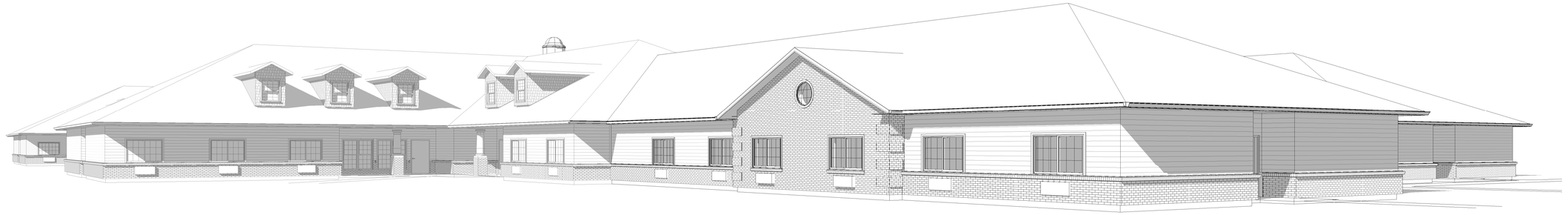
CONSTRUCTION DOCUMENTS

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC



DRAWING INDEX

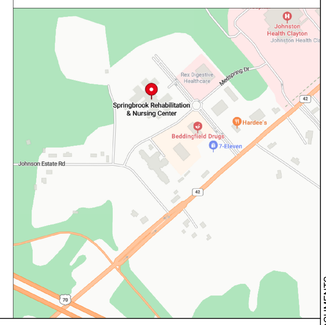
1	GENERAL		2.1	D-1.0	LANDSCAPE PLAN	4.1	A1.03	LEVEL 1 ENLARGED PLAN - BLDG A & B	5.1	I1.00	FINISH SCHEDULE & LEGEND
1.1	G1.00	COVER SHEET	2.1	D-1.1	STORM DRAINAGE DETAILS	4.1	A1.04	LEVEL 1 ENLARGED RCP - BLDG A & B			
1.1	G1.01	APPENDIX B	2.1	D-1.2	UTILITY DETAILS	4.1	A1.05	LEVEL 1 ENLARGED PLAN - BLDG C	6	STRUCTURAL	
1.1	G1.02	PARTITION TYPES	2.1	EC-1.0	EROSION CONTROL PLAN	4.1	A1.06	LEVEL 1 ENLARGED RCP - BLDG C			
1.1	G2.01	LEVEL 1 LIFE SAFETY PLAN	2.1	EC-1.1	EROSION CONTROL DETAIL I	4.1	A1.07	ROOF PLAN	6.1	S001	GENERAL NOTES
1.1	G2.02	DHSR PLAN	2.1	EC-1.2	EROSION CONTROL DETAIL II	4.1	A2.01	EXTERIOR ELEVATIONS	6.1	S004	SPECIAL INSPECTIONS
1.1	G2.03	TEMP LIFE SAFETY PLAN	2.1	L-1.0	LANDSCAPE PLAN	4.1	A2.02	EXTERIOR ELEVATIONS	6.1	S100	FOUNDATION PLAN - AREA A
1.1	G3.01	UL ASSEMBLIES	2.1	L-2.0	LANDSCAPE DETAILS	4.1	A2.03	EXTERIOR ELEVATIONS	6.1	S101	FOUNDATION PLAN - AREA B
1.1	G3.02	UL ASSEMBLIES				4.1	A3.01	BUILDING SECTIONS	6.1	S102	FOUNDATION PLAN - AREA C
1.1	G3.03	UL ASSEMBLIES	3	LANDSCAPE		4.1	A3.02	WALL SECTIONS	6.1	S200	ROOF FRAMING PLAN - AREA A
1.1	G3.04	UL ASSEMBLIES				4.1	A3.03	WALL SECTIONS	6.1	S201	ROOF FRAMING PLAN - AREA B
1.1	G3.05	UL ASSEMBLIES	4	ARCHITECTURAL		4.1	A3.04	ENLARGED PLAN DETAILS	6.1	S202	ROOF FRAMING PLAN - AREA C
						4.1	A4.01	ENLARGED PLANS	6.1	S301	TYPICAL SLAB-ON-GRADE & FOUNDATION DETAILS
2	CIVIL		4.1	A0.01	LEVEL 1 DEMO PLAN	4.1	A5.01	INTERIOR ELEVATIONS			
			4.1	A0.02	LEVEL 1 DEMO REFLECTED CEILING PLAN	4.1	A5.02	INTERIOR ELEVATIONS	6.1	S601	TYPICAL WOOD DETAILS
2.1	C-0.0	COVER	4.1	A0.03	LEVEL 1 ENLARGED DEMO PLAN - BLDG A & B	4.1	A6.01	MILLWORK & INTERIOR DETAILS			
2.1	C-1.0	CIVIL NOTES	4.1	A0.04	LEVEL 1 ENLARGED DEMO RCP - BLDG A & B	4.1	A6.02	MILLWORK & INTERIOR DETAILS	7	FIRE PROTECTION	
2.1	C-2.0	EXISTING CONDITION AND DEMOLITION				4.1	A6.04	TYP. ROOF DETAILS			
2.1	C-3.0	OVERALL SITE PLAN	4.1	A0.05	LEVEL 1 ENLARGED DEMO PLAN - BLDG C	4.1	A7.01	DOOR SCHEDULE	8	PLUMBING	
2.1	C-3.1	SITE PLAN	4.1	A0.06	LEVEL 1 ENLARGED DEMO RCP - BLDG C	4.1	A7.02	DOOR AND WINDOW DETAILS			
2.1	C-4.0	GRADING & DRAINAGE PLAN	4.1	A0.07	ROOF DEMO PLAN	4.1	A7.03	GLAZING ELEVATIONS & DETAILS	9	MECHANICAL	
2.1	C-5.0	UTILITY PLAN	4.1	A1.01	LEVEL 1 FLOOR PLAN						
2.1	C-6.0	LIGHTING PLAN	4.1	A1.02	LEVEL 1 REFLECTED CEILING PLAN	5	INTERIORS		10	ELECTRICAL	

Town of Clayton Plan Review Stamp

Project Number: _____

Department	Review Complete Corrections Req'd	Review Complete w/ Minor Revs	Review Complete No Comments	Review Not Required	Signature Stamp
Planning	☐	☐	☐	☐	
Engineering	☐	☐	☐	☐	
Stormwater	☐	☐	☐	☐	
Inspections	☐	☐	☐	☐	
Public Works	☐	☐	☐	☐	
Electric	☐	☐	☐	☐	
Fire	☐	☐	☐	☐	
Water Resources	☐	☐	☐	☐	
NC DOT	☐	☐	☐	☐	

VICINITY MAP



CIVIL ENGINEER

CURRY ENGINEERING GROUP

205 S. FUQUAY AVE.,
FUQUAY-VARINA, NC
(919) 552-0849

LANDSCAPE ARCHITECT

N/A

-

STUDIO WALES
architecture

3151 Milhaven Lake Dr. I WINSTON-SALEM, NC 27106
p. 414.704.6764 I www.studio-wales.com

DATE: 02/06/2024

PROJECT NUMBER: NH-3138

STRUCTURAL ENGINEER

LABELLA ASSOC.

400 S. TRYON, STE 1300
CHARLOTTE, NC
(704) 376-6423

MEP ENGINEER

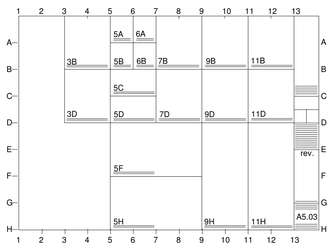
LABELLA ASSOC.

400 S. TRYON, STE 1300
CHARLOTTE, NC
(704) 376-6423

ABBREVIATIONS

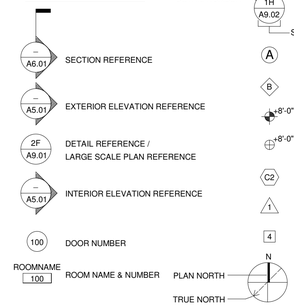
&	and	C.H.	ceiling height	E.	east	GYP.	gypsum	MAX.	maximum	Q.T.	quarry tile	SUSP.	suspended
∠	angle	C.I.	cast iron	E.C.	electrical contractor	H.B.	hose bibb	MBR.	member	R.	riser, radius	SW.	switch
@	at	C.J.	control joint	E.J.	expansion joint	H.C.	hollow core	MECH.	mechanic (al)	R.A.	return air	SYM.	symmetry (ical)
℄	centerline	C.M.T.	ceramic mosaic tile	E.W.C.	electric water cooler	H.M.	hollow metal	MED.	medium	R.C.P.	reinforced concrete pipe	T&B.	top and bottom
⌶	channel	C.M.U.	concrete masonry unit	EA.	each	H.P.	horsepower	MEMB.	membrane	R.D.	roof drain	T&G.	tongue and groove
⌀	diameter or round	C.T.	ceramic tile	ELAS.	elastomeric	HDW.	hardware	MET.	metal	R.H.	right hand	T.	tread
⊥	perpendicular	C. to C.	center to center	ELEC.	electric (al)	HDWD.	hardwood	MEZZ.	mezzanine	R.O.	rough opening	T.C.	top of curb
▭	plate	CAB.	cabinet	ELEC. CAB.	electric cabinet	HORIZ.	horizontal	MFGR.	manufacture (er)	R.O.W.	right of way	T.P.	top of pavement
#	pound or number	CARP.	carpet	ELEV.	elevator, elevation	HT.	height	MIN.	minimum	REBAR.	reinforcing bar	T.P.D.	toilet paper dispser
A.B.	anchor bolt	CEM.	cement	EMER.	emergency	HVAC.	heating/ventilating /air conditioning	MISC.	miscellaneous	REC.	recessed	T.W.	top of wall
A.F.F.	above finish floor	CER.	ceramic	ENCL.	enclose (ure)			MOD.	modified	RECT.	rectangular	TEL.	telephone
A.P.	access panel	CLG.	ceiling	ENTR.	entrance	HWY.	highway	MTD.	mounted	REF.	reference	TEMP.	tempered or temperature
A.C.T.	acoustical tile ceiling	CLO.	closet	EQ.	equal			MUL.	mullion	REFR'G.	refrigerator	TERZ.	terrazzo
A/C.	air conditioning	CLR.	clear	EQUIP.	equipment	I.P.S.	iron pipe size	N.	north	REG.	register	THK.	thick (ness)
ABV.	above	CNTR.	counter	ESTB.	establish	ID.	inside diameter	N.C.B.C.	2012 NC building code	REINF.	reinforced	THRES.	threshold
ACOUS.	acoustical	COL.	column	EXP.	expansion	IN.	inches	N.I.C.	not in contract	REQ.	required	TLT.	toilet
ADD.	addendum	COMP.	composition	EXSTG.	existing	INCL.	include (ed) (sion)	N.T.S.	not to scale	RESIL.	resilient	T.O.F.	top of footing
ADJ.	adjacent or adjustable	CONC.	concrete	EXT.	exterior	INSUL.	insulation (ed)	NO. or #	number	RET.	return	TV.	television
AGG.	aggregate	CONF.	conference	F.B.O.	furnished by others	INTR.	interior	NOM.	nominal	REV.	revisions(s), revised	TYP.	typical
AL.	aluminum	CONN.	connection	F.D.	floor drain	INV.	invert	O. to O.	out to out	RFG.	roofing	U.O.N.	unless otherwise noted
ALT.	alternate	CONSTR.	construction	F.E.	fire extinguisher	INV. EL.	invert elevation	O.C.	on center (s)	RM.	room	UNFIN.	unfinished
ANOD.	anodize	CONT.	continuous	F.E.C.	fire extinguisher cab.			O.D.	outside diameter	S-P.	single-ply	UTIL.	utility
APPROX.	approximate	CONTR.	contractor	F.H.C.	fire hose cabinet	JAN.	janitor	OFF.	office	S.	south	V.B.	vinyl base
APT.	apartment	CORR.	corridor	F.O.C.	face of concrete	JT.	joint	O.H.	opposite hand	S.C.	solid core	V.C.T.	vinyl composition tile
ARCHT.	architect (ural)	CSMT.	casement	F.O.F.	face of finish	K.D.	kiln dried or knock down	OPNG.	opening	S.C.J.	structural control joint	V.I.F.	verify in field
AUTO.	automatic	CTR.	center	F.O.S.	face of studs	KIT.	kitchen	OPP.	opposite	S.D.	soap dispenser or storm drain	V.F.	vinyl fabric
AVG.	average	CTSK.	countersink (sunk)	F.S.	full size	KO.	knockout	OUT.	outvert			V.T.	vinyl tile
B.U.R.	built-up roofing	D.	diameter	F.T.F.	face to face	L.	left, length	OZ.	ounce	S.N.D.	sanitary napkin dispenser	V.,W.F.	vinyl wall fabric
BD.	board	D.F.	drinking fountain	FDN.	foundation	L.H.	left hand	P.C.	plumbing contractor	S.N.R.	sanitary napkin receptacle	VENT.	ventilating
BEV.	beveled	D.H.	double hung	FIN.	finish (ed)	L.L.	live load	P.C.F.	pounds per cubic foot	S.S.	stainless steel	VERT.	vertical
BITUM.	bituminous	D.L.	dead load	FL.	floor (ing)	L.P.	low point	P.L.F.	pounds per lineal foot	S.T.C.	sound transmission classification	VEST.	vestibule
BLDG.	building	DBL.	double	FLASH'G.	flashing	L.R.	living room	P.LAM.	plastic laminate	S4S.	surfaced 4 sides	VOL.	volume
BLK.	block	DEM.	demolish, demolition	FLUOR.	fluorescent	L.W.	lightweight	P.S.F.	pounds per square foot	SAN.	sanitary	W.	west, women
BLKG.	blocking	DEPT.	department	FRPF.	fireproof (ing)	LAB.	laboratory	P.S.I.	pounds per square inch	SCHED.	schedule	W.C.	water closet
BM.	beam or bench mark	DIAG.	diagonal, diagram	F.P.W.H.	freeze proof wall hydrant	LAM.	laminate (d)	P.T.D.	paper towel dispenser	SECT.	section	W.F.	wide flange
BR.	bedroom	DIFF.	diffuser	FT.	foot or feet	LAV.	lavatory	P.T.R.	paper towel receptacle	SFTWD.	softwood	W.I.	wrought iron
BRCG.	bracing	DIM.	dimension	FTG.	footing	LT.	light	P.T.	pressure treat (ed)	SHT.	sheet	W.W.F.	welded wire fabric
BRG.	bearing	DMT.	demountable	FURN.	furnish	LTG.	lighting	PLAS.	plaster	SIM.	similar	W/	with
BSMT.	basement	DN.	down	FURR.	furring	LVR.	louver	PLYWD.	plywood	SPEC.	specification	W/O	without
BTW.	between	DO.	door opening	FUT.	future	M.C.	medicine cabinet or mechanical contractor	PNL.	panel	SQ.	square	WD.	wood
C.B.	catch basin	DR.	door	F.V.	field verify			PNT(d).	paint (ed)	SQ. FT.	square foot	WDW.	window
		DS.	downspout	G.B.	grab bar	M.H.	manhole	PR.	pair	STD.	standard	WP.	waterproofing
		DTL.	detail	G.C.	general contractor	M.O.	masonry opening	PT.	point	STL.	steel	WSCT.	wainscot
		DWG.	drawing	GA.	gage, gauge	MACH.	machine	PTD	paper towel dispencer	STOR.	storage	WT.	weight
		DWR.	drawer	GALV.	galvanized	MAINT.	maintenance	PTN.	partition	STRUC.	structure (al)	YD.	yard
				GL.	glass, glazing	MAS.	masonry	PVC.	polyvinyl chloride	SURF.	surface		
				GR.	grade	MATL.	material (s)	PVMT.	pavement				

DETAIL REFERENCE

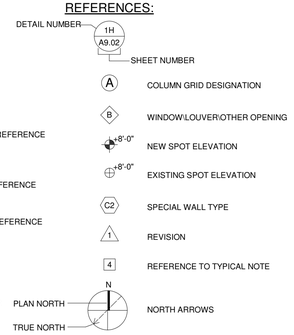


DETAILS ARE REFERENCED ACCORDING TO THEIR POSITION ON THE DRAWING SHEET. THE SYSTEM IS SIMILAR TO THAT OF A MAP. THE DRAWING SHEET IS DIVIDED INTO A GRID WITH LETTERS ON THE SIDES AND NUMBERS GOING ACROSS AS SHOWN ABOVE. FOR EXAMPLE DETAIL 9D.A5.03 WOULD BE FOUND AT THE INTERSECTION OF LINES 9 AND ON SHEET A5.03

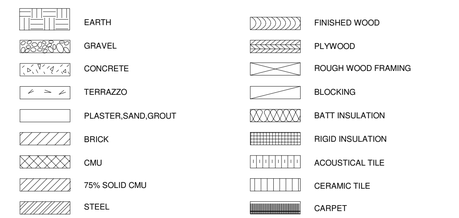
SYMBOLS



REFERENCES:



MATERIAL DESIGNATIONS



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PROJECT NAME: SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION
DOCUMENT PHASE: CONSTRUCTION DOCUMENTS

2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

Address: 195 SPRINGBROOK AVE, CLAYTON, NC

Proposed Use: NURSING HOME

Owner/Authorized Agent: JON WHITE Phone #: 919-428-7361 E-Mail: JONWHITE.NC@OUTLOOK.COM

Owned By: ☐ City / County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City ☒ County JOHNSTON ☐ State

CONTACT:

DESIGNER:	FIRM:	NAME:	LICENSE #:	TELEPHONE #:	E-MAIL:
Architectural	STUDIO WALES	KEITH WALES JR.	13140	414-704-6764	KEITH@STUDIO-WALES.COM
Civil	CURRY ENGINEERING GROUP	JARED MATTHEWS	048484	919-552-0849	JARED@CURRYENG.COM
Electrical	LABELLA ASSOC.	KEVIN HOWARD	045398	704-376-6423	KHOWARD@LABELLAPC.COM
Fire Alarm	–	KEVIN HOWARD	045398	704-376-6423	KHOWARD@LABELLAPC.COM
Plumbing	LABELLA ASSOC.	MICHAEL CROSE	047719	704-376-6423	MCROSE@LABELLAPC.COM
Mechanical	LABELLA ASSOC.	MICHAEL CROSE	047719	704-376-6423	MCROSE@LABELLAPC.COM
Sprinkler-Standpipe	–	PROVIDED BY GC / SPRINKLER SUB-CONTRACTOR			
Structural	LABELLA ASSOC.	DAN HILL	040156	704-376-6423	DHILL@LABELLAPC.COM
Retaining Walls>5' High	LABELLA ASSOC.	–	–	–	–
Landscape	N/A	–	–	–	–

2018 EDITION OF NC CODE FOR: ☐ New Construction ☒ Addition ☐ Renovation ☐ 1st Time Interior ☐ Shell / Core ☐ Phased Construction – Shell / Core

2018 EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Ch. 14 ☐ Historic Property
Alteration: ☐ Level 1 ☒ Level 2 ☐ Level 3 ☐ Change of Use

CONSTRUCTED: (date) 2014 CURRENT OCCUPANCY (Ch. 3): I-2, CONDITION 1

RENOVATED: (date) – PROPOSED OCCUPANCY (Ch. 3): I-2, CONDITION 1

RISK CATEGORY (NCBC1604.5) Current: ☐ I ☐ II ☒ III ☐ IV
Proposed: ☐ I ☐ II ☒ III ☐ IV

BASIC BUILDING DATA:

Construction Type: (check all that apply) ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☒ V-A ☐ V-B

Sprinklers: ☐ No ☐ Partial ☒ Yes* ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
*SPRINKLER HEADS ARE FAST RESPONSE AS PER NCBC 407.2.5+4

Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry

Fire District: ☒ No ☐ Yes Flood Hazard Area: ☒ No ☐ Yes

Special Insp. ☐ No ☒ Yes – NCFC 909.5 SMOKE PRESSURE, SEE ALSO STRUCTURAL DWGS.

Gross Building Area:

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL (SQ. FT.)
FLOOR 3	– SF	– SF	– SF
FLOOR 2	– SF	– SF	– SF
BUILDING C – LEVEL 1	26,070 SF	8,172 SF	34,242 SF
BUILDING B – LEVEL 1	12,704 SF	0 SF	12,704 SF
BUILDING A – LEVEL 1	26,290 SF	0 SF	26,290 SF
TOTAL	65,064 SF	8,172 SF	73,236 SF

*AREA INCLUDES INTERIOR SF AND COVERED EXTERIOR AREA
**AREA INCLUDES INTERIOR SF & EXTERIOR DECKS

Occupancy: ALLOWABLE AREA

Assembly ☐ A-1 ☒ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ 1 ☐ 2
☒ I-2 ☒ 1 ☐ 2
☐ I-3 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): B, S-1 EA. LESS THAN 10%

Incidental Uses (Table 509) : –

Special Uses (Ch.4 - List Sections) : 407

Special Provisions (Ch.5 - List Sections : –

Mixed Occupancy: ☐ No ☒ Yes Separation: – Hr. Exception: –

☒ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Separated Use (508.4) – See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} + \ldots = \frac{-}{-} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA OR UNLIMITED
BLDG A – LEVEL 1	I-2, COND. 1*, A-2	26,290 SF	38,000 SF*	NOT USED	38,000 SF
BLDG B – LEVEL 1	I-2, COND. 1*, A-2	12,704 SF	38,000 SF*	NOT USED	38,000 SF
BLDG B – LEVEL 1	I-2, COND. 1*, A-2	34,242 SF	38,000 SF*	NOT USED	38,000 SF
–	–	–	–	–	–

*AREA CALCULATION BASED UPON MOST RESTICTIVE OCCUPANCY (I-2, COND. 1) NCBC 508.3

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = –'–" (F)
b. Total Building Perimeter = –'–0" (P)
c. Ratio (F/P) = – (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase [= 100 [F/P – 0.25]x W/30 = – (%)

2 Unlimited area applicable under conditions of Section 507.

3 Maximum Building Area = total number of stories in the building x D (max. 3 stories)(506.2)

4 The maximum area of parking garages must comply with 406.5.4

5 Frontage increase is based upon the unsprinklered area value in Table 506.2

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE[1]
Building Height in Feet (Table 5.4.3)[2]	Feet 50'-0"*	Feet 41'-10"	–
Building Height in Stories (Table 5.4.4)[3]	Stories 1*	Stories 1	–

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4
2. The maximum height of air traffic control towers must comply with Table 412.3.1
3. The maximum height of an open parking garage must comply with table 406.5.4

* *AREA CALCULATION BASED UPON MOST RESTICTIVE OCCUPANCY (I-2, COND. 1) NCBC 508.3

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDE (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural frame, including columns, girders, trusses		1 HR	1 HR				
Bearing walls	>30						
Exterior							
North		1 HR	1 HR	G3.02	U-356	G1.02	G1.02
East		1 HR	1 HR	G3.02	U-356	G1.02	G1.02
West		1 HR	1 HR	G3.02	U-356	G1.02	G1.02
South		1 HR	1 HR	G3.02	U-356	G1.02	G1.02
Interior		1 HR	1 HR	G3.01	U-305	G1.02	G1.02
Nonbearing walls and partitions – Exterior	>30						
North		0 HR	–	–	–	–	–
East		0 HR	–	–	–	–	–
West		0 HR	–	–	–	–	–
South		0 HR	–	–	–	–	–
Interior walls and partitions		0 HR	0 HR	G3.01	U-305	G1.02	G1.02
Floor Construction including supporting beams and joists		1 HR	N/A	N/A	N/A	N/A	N/A
Floor Ceiling Assembly		1 HR	N/A	N/A	N/A	N/A	N/A
Columns Supporting Floors		1 HR	N/A	N/A	N/A	N/A	N/A
Roof Construction including supporting beams and joists		1 HR	1 HR	G3.02	RC-2602	G3.02	A6.01
Roof Ceiling Assembly		1 HR	1 HR	G3.02	RC-2602	G3.02	A6.01
Columns Supporting Roof		1 HR	1 HR	G3.02	RC-2602	G1.02	G1.02
Shafts Enclosures – Exit		–	N/A	N/A	N/A	N/A	N/A
Shafts Enclosures – Other		–	N/A	N/A	N/A	N/A	N/A
Corridor Separation		0HR/SP	0HR/SP	G3.01	U-305	G1.02	G1.02
Occupancy/Fire Barrier Separation		1 HR	1 HR	G3.01	U-305	G1.02	G1.02
Party/Fire Wall Separation		2HR	2HR	EXG	U-305	EXG	EXG
Smoke Barrier Separation		1 HR	1 HR	EXG	U-305	EXG	EXG
Smoke Partition		0HR/SP	0HR/SP	G3.01	U-305	G1.02	G1.02
Tenant/Dwelling/Sleeping Separation		–	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation		NR	–	–	–	–	–

* Indicates section number permitting reduction
** All code references are for NC Building Code, U.N.O.
*** Indicates calculated equivalent thickness

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPERATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENING PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
SOUTH >30'-0"	UP,S	NO LIMIT	27%
NORTH >30'-0"	UP,S	NO LIMIT	16%
WEST >30'-0"	UP,S	NO LIMIT	21%
EAST >30'-0"	UP,S	NO LIMIT	21%

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	☐ No	☒ Yes	
Exit Signs:	☐ No	☒ Yes	
Fire Alarm:	☐ No	☒ Yes	
Smoke Detection Systems:	☐ No	☒ Yes	☐ Partial _____
Carbon Monoxide Detection:	☐ No	☒ Yes	NCFC 915.1

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G2.01

☒ Fire and/or smoke rated wall locations (Chapter 7)
☒ Assumed and real property line locations (if not on the site plan)
☒ Exterior wall opening area with respect to distance to assumed property lines (705.8) N/A
☒ Occupancy Use for each area as it relates to occupant load calculations (Table 1004.1.2)
☒ Occupant loads for each area
☒ Exit access travel distances (1017)
☒ Common path of travel distances (1006.2.1 & 1006.3.2(1))
☒ Dead end lengths (1020.4) – NOT ALLOWED
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☒ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation SE/A6.01
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) NONE
☒ Location of doors with electromagnetic egress locks (1010.1.9.9) EXG. TO REMAIN UNMODIFIED
☒ Location of doors with hold-open devices
☐ Location of emergency escape windows (1030) IN EACH SLEEPING ROOM
☐ The square footage of each fire area (202) N/A
☒ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above N/A

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
	–	–		–		–	–

ACCESSIBLE PARKING (SEE CIVIL DRAWINGS)
SECTION 1106

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
TOTAL						

STRUCTURAL DESIGN: (SEE STRUCTURAL DRAWINGS)

DESIGN LOADS:
Importance Factors: Wind (I_W) –; Snow (I_S) –; Seismic (I_E) –
Live Loads: Roof – psf.; Catwalks – psf.; Floor – psf.
Ground Snow Load: – psf.
Wind Load: Basic Wind Speed – mph (ASCE-7); Exposure Category –
Wind Base Shears (for MWFRS) Wx = –K Wy = –K

SEISMIC DESIGN CATEGORY ☐ A ☐ B ☐ C ☐ D

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration S_{DS} – %g S1 – %g
Site Classification (Table 1613.5.2) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data

Basic structural system (check one)
☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum

Seismic Base Shear: Vx = –K Vy = –K
Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored: ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) – psf
Presumptive Bearing Capacity N/A psf
Pile size, type, and capacity N/A

SPECIAL INSPECTIONS REQUIRED: ☐ Yes ☐ No

PLUMBING FIXTURE REQUIREMENTS NO CHANGE IN OCCUPANCY OR FIXTURES PROVIDED IN RENOVATION AREA, AREA OF ADDITION IS ONLY CARE RECEIPEINTS WHICH MEETS NC DHSR REQ'S

	WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Floor 1 Existing	–	–	–	–	–	–	–	–	–	–
Floor 1 New	–	–	–	–	–	–	–	–	–	–
Floor 1 Required*	–	–	–	–	–	–	–	–	–	–
Floor 2 Existing	–	–	–	–	–	–	–	–	–	–
Floor 2 New	–	–	–	–	–	–	–	–	–	–
Floor 2 Required*	–	–	–	–	–	–	–	–	–	–

SPECIAL APPROVALS - N/A

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Division of Health Service Regulation at NC Department of Health and Human Services, Johnston County Health Dept.

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies w/ code ☒ NO ☐ YES (Remainder of section is not applicable)

Exempt Building ☒ NO ☐ YES (Provide Code Reference)_____

Climate Zone: ☒ 3A ☐ 4A ☐ 5A
Method of Compliance:
☒ Prescriptive (Energy Code) ☐ Prescriptive (ASHRAE 90.1)
☐ Performance (Energy Code) ☐ Performance (ASHRAE 90.1)

THERMAL ENVELOPE *NO MODIFICATION TO THERMAL ENVELOPE [NCEBC 2018 811.1]

Roof/ceiling Assembly (each assembly)
Description of Assembly: WOOD FRAME W/ SHINGLES
U-Value of total assembly: U-0.027
R-Value of insulation: R-38
Skylights in each assembly: 0
U-Value of skylight: U-0.0 MIN.
total square footage of skylights in each assembly: 0 SF

Exterior Walls (each assembly)
Description of Assembly (1): WOOD FRAME W/ SIDING
U-Value of total assembly: U-0.064
R-Value of insulation: R-20
Description of Assembly (2): WOOD FRAME W/ MASONRY VENEER
U-Value of total assembly: U-0.064
R-Value of insulation: R-20
Openings (windows or doors with glazing)
U-Value of assembly: U-0.45
Solar heat gain coefficient: 0.25
projection factor: 0.0
Door R-Values: U-0.70

Walls below grade (each assembly)
Description of Assembly: N/A
U-Value of total assembly: –
R-Value of insulation: –

Floors over unconditioned space (each assembly)
Description of Assembly: N/A
U-Value of total assembly: –
R-Value of insulation: –

Floors slab on grade
Description of Assembly: CONC. S.O.G.
U-Value of total assembly: NR
R-Value of insulation: NR
Horizontal/vertical requirement: NR
slab heated: N

MECHANICAL SUMMARY (SEE MECHANICAL DRAWINGS)

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Method of Compliance: ☐ Prescriptive (Energy Code)
Thermal Zone –
winter dry bulb: –
summer dry bulb: –
Interior Design Conditions
winter dry bulb: –
summer dry bulb: –
relative humidity: –
Building heating load: –
Building cooling load: –
Mechanical Spacing Conditioning System
Unitary
description of unit: –
heating efficiency: –
cooling efficiency: –
heat output of unit: –
size category of unit: –
Boiler Size category. If oversized, state reason: –
Chiller Size category. If oversized, state reason: –
List equipment efficiencies: –

ELECTRICAL SUMMARY (SEE ELECTRICAL DRAWINGS)

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture –
number of lamps in fixture –
ballast type used in fixture –
number of ballasts in fixture –
total wattage per fixture –
total interior wattage specified vs allowed (whole building or space by space) –
total exterior wattage specified vs allowed –

Additional Prescriptive Compliance
☐ 506.2.1 More Effecient Mechanical Equipment
☐ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable Energy
☐ 506.2.6 Automatic Daylighting Control Systems

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p. 414.704.6764 | www.STUDIO-WALES.com

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION
195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

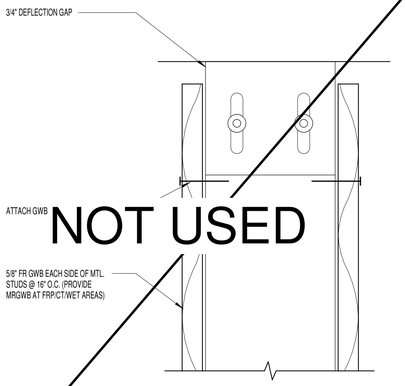
No.	Description	Date

date: 02/18/2024
commission: NH-3138

sheet title: APPENDIX B

sheet number: G1.01

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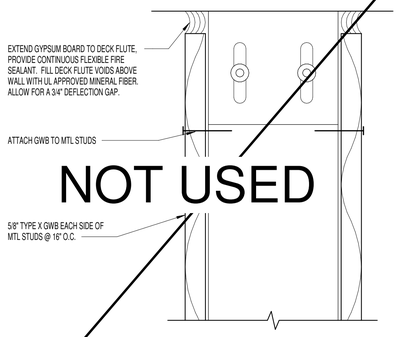


NOT USED

UN-RATED SLIP TRACK

2D DTL.

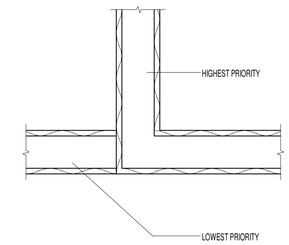
6" = 1'-0"



NOT USED

4D RATED SLIP TRACK DTL.

6" = 1'-0"



WALL PRIORITY LEGEND	
TWO HOUR FIRE & SMOKE WALL	PRIORITY 1 HIGHEST
TWO HOUR FIRE WALL TWO HOUR SHAFTWALL	PRIORITY 2
ONE HOUR FIRE & SMOKE WALL	PRIORITY 3
ONE HOUR FIRE WALL	PRIORITY 4
NON-RATED WALL	PRIORITY 5 LOWEST

6D WALL PRIORITY LEGEND

1 1/2" = 1'-0"

GEN. NOTES - PARTITIONS

1. REFER TO BUILDING AND WALL SECTIONS FOR EXTERIOR WALL CONSTRUCTION
2. NOT USED
3. PROVIDE MOISTURE RESISTANT TYPE X GYPSUM BOARD WHERE INDICATED AND AT THE FOLLOWING LOCATIONS:
   - RESTROOMS, SHOWERS, JANITOR CLOSETS, LAUNDRY ROOMS, KITCHENS, DRINKING FOUNTAINS
   - PARTITIONS WITHIN 5'-0" OF PLUMBING FIXTURES
   - ALL EXTERIOR APPLICATIONS
   - ALL PARTITIONS RECEIVING EPOXY PAINT
4. PROVIDE CEMENTITIOUS BACKER BOARD OVER TOP OF TYPE X GYP. BOARD WHERE INDICATED AND AT THE FOLLOWING LOCATIONS:
   - ALL PARTITIONS WITH CERAMIC TILE, BRICK OR ANY OTHER THIN SET MORTAR BASED PRODUCT.
5. PROVIDE ADEQUATE IN-WALL BLOCKING AT ALL TOILET ACCESSORIES, CORRIDOR HANDRAIL (VERIFY LOCATIONS W/ OWNER), DOOR PROTECTION, TV MOUNTS, UPPER AND LOWER CABINET MOUNTING LOCATIONS, AND EQUIPMENT MOUNTING POINTS. ADEQUATE BLOCKING IS DEFINED AS PREVENTING ITEMS FROM DETACHING FROM WALL UNDER NORMAL USE, U.N.O.
6. THE CONTRACTOR SHALL MAINTAIN ALL RATED WALLS AS SHOWN ON LIFE SAFETY DRAWINGS. ALL JOINTS AND PENETRATIONS SHALL BE FIRE SEALED.
7. REFER TO LIFE SAFETY PLAN FOR ALL FIRE RATED AND SMOKE RATED PARTITION LOCATIONS.
8. PARTITIONS NOTED AS ACOUSTIC SHALL HAVE SOUND ATTENUATION BATTS, U.N.O.. PROVIDE FIRE & ACOUSTICAL SEALANT CONTINUOUSLY ALONG BOTTOM TRACK AT ALL PENETRATIONS AND OUTLETS.
9. NOT USED
10. PROVIDE THICKENED PARTITIONS AT SEWER DRAINS GREATER THAN 2" O.D., ELECTRICAL PANELS, AND RECESSED MECHANICAL EQUIPMENT. COORDINATE W/ PLANS AND VERIFY LOCATION AND THICKNESS W/ ARCHITECT PRIOR TO INSTALLATION.
11. PROVIDE 5/8" TYPE 'X' GYPSUM BOARD AT ALL GWB PARTITIONS. GYP. BOARD AT RATED SHAFTWALL SHALL COMPLY WITH REQUIREMENTS UL LISTING. PROVIDE HEAVIER GAUGE STUDS AS REQUIRED AT LONG SPAN STUDS.
12. WHERE ACOUSTIC WALLS ARE INDICATED AT PLUMBING CHASE, PIPE CHASE, OR SIMILAR CONDITION, PROVIDE SOUND BATTS ON ONE SIDE ONLY.
13. PROVIDE MASONRY CONTROL JOINTS @ 30'-0" O.C. MAXIMUM. LOCATION SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION IF NOT SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS.
14. PROVIDE CONTROL JOINTS IN GYP. BOARD PARTITIONS AND CEILINGS AT 30'-0" O.C. MAXIMUM. LOCATION SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION. GYP. BOARD CONTROL JOINTS TO BE LOCATED AT DOOR FRAME CORNERS WHERE APPLICABLE. GYP. BOARD CONTROL JOINTS IN RATED WALL AND CEILING ASSEMBLIES MEET U.L. REQUIREMENTS.
15. AT EDGE OF RECESSED SLABS, WALL WILL TERMINATE ON HIGH SIDE OF STEP. U.N.O.
16. PROVIDE STENCILED LABELS VISIBLE ABOVE CEILINGS ON WALLS WHICH ARE RATED PARTITIONS. SMOKESTOP PARTITIONS, HORIZONTAL EXIT PARTITIONS AND RATED CORRIDORS. STENCILED LABEL SHALL BE 3" HIGH RED LETTERING.
17. NOT USED
18. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

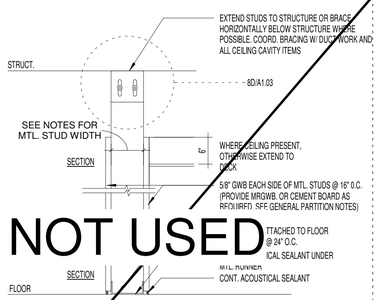
Revisions		
No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title: PARTITION TYPES

sheet number: G1.02

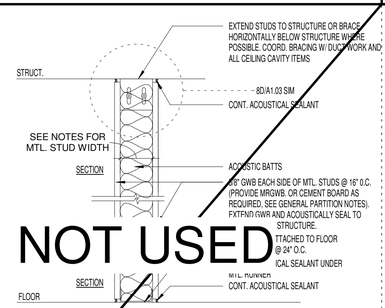


NOT USED

NOTES		UL ASSEMBLY
MTL STUD SIZING		N/A
A2	2 1/2" MTL STUDS	
A4	3 5/8" MTL STUDS	STC / NRC
A6	6" MTL STUDS	N/A
A8	8" MTL STUDS	

PARTITION TYPE A

1 1/2"=1'-0"

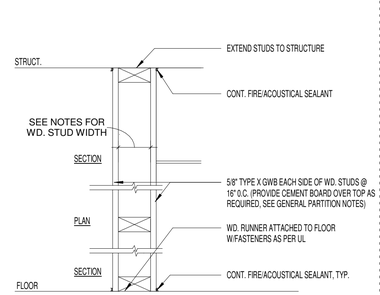


NOT USED

NOTES		UL ASSEMBLY
MTL STUD SIZING		N/A
B2	2 1/2" MTL STUDS	
B4	3 5/8" MTL STUDS	STC / NRC
B6	6" MTL STUDS	N/A
B8	8" MTL STUDS	

PARTITION TYPE B

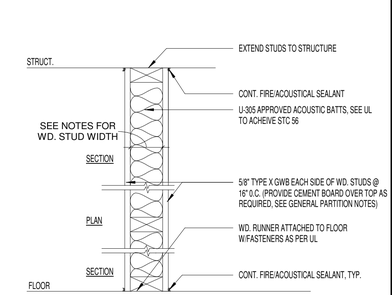
1 1/2"=1'-0"



NOTES		UL ASSEMBLY
STUD SIZING		U-305
C2	1 1/2" WD STUDS	
C4	3 1/2" WD STUDS	STC / NRC
C6	5 1/2" WD STUDS	N/A
C8	7 1/4" WD STUDS	

PARTITION TYPE C

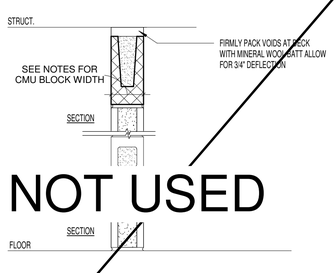
1 1/2"=1'-0"



NOTES		UL ASSEMBLY
STUD SIZING		U-305
D2	1 1/2" WD STUDS	
D4	3 1/2" WD STUDS	STC / NRC
D6	5 1/2" WD STUDS	56
D8	7 1/4" WD STUDS	

PARTITION TYPE D

1 1/2"=1'-0"

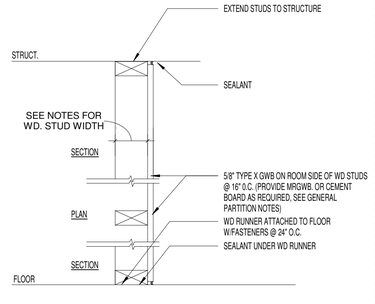


NOT USED

NOTES		UL ASSEMBLY
CMU BLOCK WIDTH		N/A
E4	4" NOMINAL CMU BLOCK WIDTH	
E6	6" NOMINAL CMU BLOCK WIDTH	STC / NRC
E8	8" NOMINAL CMU BLOCK WIDTH	N/A
E12	12" NOMINAL CMU BLOCK WIDTH	

PARTITION TYPE E

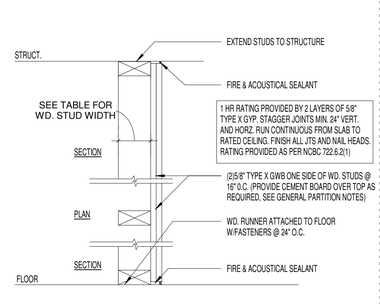
1 1/2"=1'-0"



NOTES		UL ASSEMBLY
WD STUD SIZING		N/A
F1	3/4" FURRING	
F2	1 1/2" WD STUDS	STC / NRC
F4	3 1/2" WD STUDS	N/A
F6	5 1/2" WD STUDS	

PARTITION TYPE F

1 1/2"=1'-0"



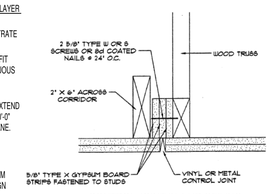
NOTES FIRE & ACOUSTICAL SEALANT AT ALL GAPS AND PENETRATIONS		UL ASSEMBLY
WD STUD SIZING		NR-2602
G0	ATTACH TO STRUCTURAL FRAME	
G1	3/4" FURRING	STC / NRC
G2	1 1/2" WD STUDS	N/A
G4	3 1/2" WD STUDS	
G6	5 1/2" WD STUDS	

PARTITION TYPE G

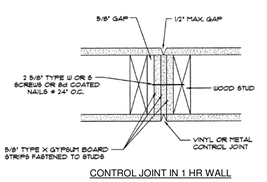
1 1/2"=1'-0"

PROVIDE CONTROL JOINTS IN FACE LAYER OF GYPBOARD AS FOLLOWS:

- AT CHANGES IN BACKUP OR SUBSTRATE MATERIAL.
- WHERE DRYWALL CEILING OR SOFFIT ABUTS PARTITION, EXTEND CONTINUOUS HORIZONTALLY AND VERTICALLY.
- IN CONTINUOUS GYPSUM BOARD PARTITIONS AND CEILINGS WHICH EXTEND IN ANY DIRECTION MORE THAN AT 30'-0" WITHOUT BREAK OR CHANGE IN PLANE. LOCATE 30'-0"o.c. MAXIMUM.
- PROVIDE GYPBOARD BACKING AT CONTROL JOINTS IN RATED ASSEMBLIES AS DETAILED IN GYPSUM HANDBOOK FIRE-RESISTANCE DESIGN MANUAL.
- ALL LOCATION SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION. LOCATE AT CORNER OF DOOR FRAMES WHERE PRACTICAL.



CONTROL JOINT IN 1 HR CEILING



CONTROL JOINT IN 1 HR WALL

8A RATED CONTROL JTS

1" = 1'-0"

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BUILDING A
26, 290 SF

BUILDING B
12, 704 SF

BUILDING C
34, 242 SF

SMOKE COMPARTMENT A
14,231 SF (MAX. 22,500 SF NCBC407.5)
192 OCC.
[-2 AREA OF REFUGE (407.5.1)
AVAILABLE AREA OF REFUGE = 1274SF
MAX. OCCUPANTS SERVED = 432 OCC.
ADJ. SMOKE COMP. OCC. = 185

SMOKE COMPARTMENT D
12,704 SF (MAX. 22,500 SF NCBC407.5)
122 OCC.
[-2 AREA OF REFUGE (407.5.1)
AVAILABLE AREA OF REFUGE = 7,701SF
MAX. OCCUPANTS SERVED = 243 OCC.
ADJ. SMOKE COMP. OCC. = 210

SMOKE COMPARTMENT D
18,194 SF (MAX. 22,500 SF NCBC407.5)
210 OCC.
[-2 AREA OF REFUGE (407.5.1)
AVAILABLE AREA OF REFUGE = 16,747SF
MAX. OCCUPANTS SERVED = 589 OCC.
ADJ. SMOKE COMP. OCC. = 197

SMOKE COMPARTMENT B
12,591 SF (MAX. 22,500 SF NCBC407.5)
185 OCC.
[-2 AREA OF REFUGE (407.5.1)
AVAILABLE AREA OF REFUGE = 9,947SF
MAX. OCCUPANTS SERVED = 332 OCC.
ADJ. SMOKE COMP. OCC. = 192

SMOKE COMPARTMENT E
16,047 SF (MAX. 22,500 SF NCBC407.5)
197 OCC.
[-2 AREA OF REFUGE (407.5.1)
AVAILABLE AREA OF REFUGE = 14,438SF
MAX. OCCUPANTS SERVED = 489 OCC.
ADJ. SMOKE COMP. OCC. = 210

DOOR 09 (EXG)
OCC. LOAD = 64
WIDTH REQ'D = 12.8"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 10 (EXG)
OCC. LOAD = 64
WIDTH REQ'D = 12.8"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 11 (EXG)
OCC. LOAD = 31
WIDTH REQ'D = 6.2"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 12 (EXG)
OCC. LOAD = 30
WIDTH REQ'D = 6.0"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 13 (EXG)
OCC. LOAD = 31
WIDTH REQ'D = 6.2"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 14 (EXG)
OCC. LOAD = 70
WIDTH REQ'D = 14.0"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 08 (EXG)
OCC. LOAD = 64
WIDTH REQ'D = 12.8"
WIDTH PROV'D = 84"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 07 (EXG)
OCC. LOAD = 93
WIDTH REQ'D = 18.6"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 06 (EXG)
OCC. LOAD = 93
WIDTH REQ'D = 18.6"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 05 (EXG)
OCC. LOAD = 30
WIDTH REQ'D = 6.0"
WIDTH PROV'D = 84"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 04 (EXG)
OCC. LOAD = 99
WIDTH REQ'D = 19.8"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 03
OCC. LOAD = 99
WIDTH REQ'D = 19.8"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 02 (EXG)
OCC. LOAD = 70
WIDTH REQ'D = 14.0"
WIDTH PROV'D = 84"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

DOOR 01
OCC. LOAD = 70
WIDTH REQ'D = 14.0"
WIDTH PROV'D = 42"
ACCESSIBLE : Y
CLOSER : Y
PANIC : Y

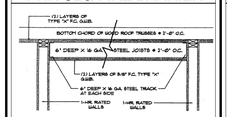
EXISTING CANOPY W/ DRY PIPE SPRINKLER SYSTEM (ABOVE)

OPEN TO CORRIDOR PERMITTED AS PER NCBC 407.2.5

TEMPORARY EGRESS POINT, SEE G2.03

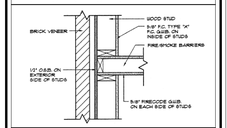
NOTE: GC / SPRINKLER SUB-CONTRATOR TO EXTEND EXISTING SYSTEM FOR FULL COVERAGE OF BOTH ADDITIONS. ADJUST HEAD LOCATIONS THROUGHOUT RENOVATION TO PROVIDE FULL COVERAGE.

1 HR CLG FIRE BARRIER



FACTORY MUTUAL TEST FC 205-1
GYPSUM ASSOCIATION FC-4503

PROVIDE AT CEILINGS IN ROOMS; 30, 32, 34, 37 (EXG), 39B, 49, 51, 53, 54 (EXG), 55 (EXG), 71 (EXG), AND 79.



FIRE/SMOKE BARRIER AT EXT. WALL

LIFE SAFETY NOTES

1. ALL SMOKE PARTITIONS, SMOKE BARRIERS AND RATED WALLS SHALL:
   - -EXTEND AND SEAL TO UNDERSIDE OF CEILING ASSEMBLY.
   - -EXTEND AND SEAL TO UNDERSIDE OF FIRE-RATED SUB-CEILING ASSEMBLY WHERE INDICATED.
   - -EXTEND AND SEAL TO EXTERIOR WALL SHEATHING. SEAL ALL VOIDS AND PENETRATIONS WITH THE SPECIFIED RESPECTIVE RATED FIRESTOP SYSTEM.
2. HIGHER FIRE RATED WALLS / PARTITIONS SHALL BE CONSTRUCTED FIRST WITH WALLS OF LOWER RATING ABUTTING AND SEALING TO THEM.
3. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON EXIT AND EMERGENCY LILGHTING.
4. DOOR OCC. LOAD AS PER SMOKE COMPARTMENT OCCCUPANT LOAD.

LIFE SAFETY LEGEND

FE-A	FIRE EXTINGUISHER IN CABINET - TYPE 4-A; B:C (NFPA 10), SEE 8E/A6.02
	EXIT SIGN
EML	ELECTROMAGNETIC EGRESS LOCK
EHO	HOLD OPEN DEVICE
FE-D	FIRE EXTINGUISHER IN CABINET - TYPE D(EXG); B:C:K (NFPA 10), SEE 8E/A6.02
	UNRATED SMOKE PARTITION
	1 HR FIRE BARRIER
	1 HOUR SMOKE / FIRE BARRIER
	2 HOUR RATED WALL
	EXIT ROUTE
	COMMON PATH OF TRAVEL
	DIAGONAL DISTANCE

OCCUPANCY LEGEND

- ASSEMBLY, UNCONC.
- BUSINESS
- INST. - SLEEP AREA
- INST. - TREATMENT
- KITCHEN
- STORAGE

KITCHEN
2 OCC. — OCCUPANCY (TABLE 1004.1.1)
200 G — OCCUPANT LOAD
400 SF — SQUARE FOOTAGE
ALLOWABLE SF PER OCC.

STUDIO WALES architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 414.704.6764 | www.STUDIO-WALES.com

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KEITH E. WALES JR. — 02/18/2024 — 13140 — WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024
commission: NH-3138

sheet title:
LEVEL 1 LIFE SAFETY PLAN

sheet number :
G2.01

1A LEVEL 1 EGRESS PLAN
1/16" = 1'-0"

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BUILDING BED COUNT
120

BLDG TOTAL: 68- PVT. BR., 52- 2 BR.

KEY

RENOVATION (8,955 SF)

ADDITION (7,900 SF)

32 BED NEIGHBORHOOD

6- PVT. BR., 13- 2 BR.

SMOKE COMPARTMENT A
14,231 SF (MAX. 22,500 SF NCBC407.5)
192 OCC.

SMOKE COMPARTMENT D
12,704 SF (MAX. 22,500 SF NCBC407.5)
122 OCC.

18 BED NEIGHBORHOOD

18- PVT. BR., 0- 2 BR.

SMOKE COMPARTMENT D
18,194 SF (MAX. 22,500 SF NCBC407.5)
210 OCC.

NOTE:
A. ALL RENOVATED AND NEW CORRIDORS TO BE PROVIDED WITH HANDRAILS AS PER [13D.3202.a]. SEE 7E/A6.01. HANDRAILS ARE OFOI W/ GC TO PROVIDE PRESCRIBED BLOCKING.

B. RENOVATION OF COMMUNITY ROOM (18) WILL MAKE 985 SF OF REQUIRED RESIDENT SPACE [10A NCAC 13D .3201.b.1.A,B,C] UNAVAILABLE. COMMUNITY AREAS 35,76, AND 77 HAVE 1,349 SF OF SPACE IN EXCESS OF THE REQUIREMENTS AND WILL BE USED TO ACCOMODATE THE REQUIREMENTS.

C. GC TO PHASE CONSTRUCTION SO THAT RENOVATION OF NURSE STATION 29 AND 48 ARE STAGGERED. EACH NURSING STATION WILL SERVE TO MEET THE REQUIREMENTS OF [10A NCAC 13D .3201.f.1-10] WHILE THE OTHER IS RENOVATED. FAMILY ROOMS 16 WILL SERVE AS NURSING CONTROL POINTS DURING RENOVATION TO BLDG A NURSING STATION W/ TEMPORARY PATIENT CALL AND ALARM ANNUNCIATION SYSTEMS LOCATED WITHIN. OFFICE 74 AND MEDICAL ASSESSMENT 80 WILL SERVE AS NURSING CONTROL POINTS DURING RENOVATION TO BLDG A NURSING STATION W/ TEMPORARY PATIENT CALL AND ALARM ANNUNCIATION SYSTEMS LOCATED WITHIN.

1

ACTIVITY AREA : 354SF (13D.3201.b.1C 160 SF MIN.)
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 13 SF MIN.), TYP.
DINING AREA : 408SF (13D.3201.b.1A 320 SF MIN.)
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 26 SF MIN.), TYP.
ACTIVITY AREA : 357SF (13D.3201.b.1B 320 SF MIN.)

NOURISHMENT (13D.3201.f.7)

WORK AREA

COMPLIANT SOILED AND CLEAN UTIL. (13D.3201.f.2&3)

CONTROL POINT REMOTENESS = 111'-3" (MAX. 150'-0" 13D3201.f.9)

CONTROL POINT REMOTENESS = 110'-7" (MAX. 150'-0" 13D3201.f.9)

MED PREP (13D.3201.f)

CONTROL POINT REMOTENESS = 147'-3" (MAX. 150'-0" 13D3201.f.9)

DINING AREA : 357SF (13D.3201.b.1B 320 SF MIN.)
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 26 SF MIN.), TYP.
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 39 SF MIN.), TYP.
COMBINED ACTIVITY AREA : 985SF (13D.3201.b.1C 480 SF MIN.)

CONTROL POINT REMOTENESS = 145'-9" (MAX. 150'-0" 13D3201.f.9)

SMOKE COMPARTMENT B
12,591 SF (MAX. 22,500 SF NCBC407.5)
185 OCC.

32 BED NEIGHBORHOOD

6- PVT. BR., 13- 2 BR.

CENTRAL BATHING AREA (13D.3201.e.5)

CONTROL POINT REMOTENESS = 125'-3" (MAX. 150'-0" 13D3201.f.9)

WINDOW TYPE B(2) : 72SF (13D.3201.b.7 10.5 SF MIN.), TYP.
ACTIVITY/DINING AREA : 546SF (13D.3201.b.1C 130 SF MIN.)
DINING AREA : 408SF (13D.3201.b.1A 260 SF MIN.)
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 21 SF MIN.), TYP.
ACTIVITY AREA : 357SF (13D.3201.b.1B 260 SF MIN.)

NOURISHMENT (13D.3201.f.7)

WORK AREA

COMPLIANT SOILED AND CLEAN UTIL. (13D.3201.f2&3)

8 BED ADDITION

8- PVT. BR., 0- 2 BR.

STORAGE (2) 173SF EA. IN ADDITION TO 448 SF IN OUTBUILDING (MIN. = 600SF)

WORK AREA

WINDOW TYPE A : 24SF (13D.3201.a.3 13 SF MIN.)

WARDROBE, SINGLE, TYP. : 42CU. (13D.3201.a.3 36 CU. MIN.), TYP. SEE 8A/A6.02

CONTROL POINT REMOTENESS = 77'-2" (MAX. 150'-0" 13D3201.f.9)

CONTROL POINT REMOTENESS = 83'-2" (MAX. 150'-0" 13D3201.f.9)

STORAGE (2) 173SF EA. IN ADDITION TO 448 SF IN OUTBUILDING (MIN. = 600SF)

WORK AREA

NOURISHMENT (13D.3201.f.7)

ACTIVITY AREA : 357SF (13D.3201.b.1B 300 SF MIN.)
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 24 SF MIN.), TYP.
DINING AREA : 408SF (13D.3201.b.1A 300 SF MIN.)
WINDOW TYPE B(2) : 72SF (13D.3201.b.7 12 SF MIN.), TYP.
ACTIVITY AREA : 354SF (13D.3201.b.1C 150 SF MIN.)

CONTROL POINT REMOTENESS = 145'-9" (MAX. 150'-0" 13D3201.f.9)

SMOKE COMPARTMENT E
16,047 SF (MAX. 22,500 SF NCBC407.5)
197 OCC.

18 BED NEIGHBORHOOD

18- PVT. BR., 0- 2 BR.

12 BED ADDITION

12- PVT. BR., 0- 2 BR.

COLOR	NFPA 101 & NCSBC* TERMINOLOGY	CODE REFERENCE NCSBC (NFPA 101)**	FIRE RESISTANCE RATING	SEPARATION USE
Red	Fire Walls	Section 706	4-hr., 3-hr., 2-hr.	building separations
Pink	Fire Barriers	Section 707 (Section 8.3)	2-hr.	shafts, exits, exit passageways, horizontal exits, incidental use areas, different occupancies, fire areas
Yellow & Pink	Fire/Smoke Barriers	Sections 707 & 710 (Sections 8.3 & 8.5)	1-hr. (Yellow) 2-hr. (Pink)	combination smoke barrier & 2-hr. fire barrier as defined above
Blue	Fire Barriers	Section 707 (Section 8.3)	1-hr.	shafts, exits, exit passageways, incidental use areas, different occupancies, fire areas
Blue	Fire Partitions	Section 709	1-hr.	dwelling unit separations, sleeping units, rated corridors, elevator lobbies
Yellow	Smoke Barriers	Section 710 (Section 8.5)	1-hr.	building smoke compartmenting
Green	Smoke Partition	Sections 711 & 407.3 (Section 18.3.6.2)	Smoke-Tight	smoke-tight corridor walls
Orange	Suite Perimeter Walls	Sections 1014.2.7 & 711 (Section 18.2.5.7.1.2)	Smoke-Tight	suite delineation

*2012 North Carolina State Building Code Building Code, National Fire Protection Association (NFPA) 101 Life Safety Code 2012 Edition
**NFPA 101 Code References are in parentheses.

1A LEVEL 1 DHSR PLAN

1/16" = 1'-0"

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STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 414.704.6764 | www.STUDIO-WALES.com

STUDIO WALES PLLC. 02/06/2024 53175 WINSTON-SALEM, NC.

KEITH E. WALES JR. 02/06/2024 13140 WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

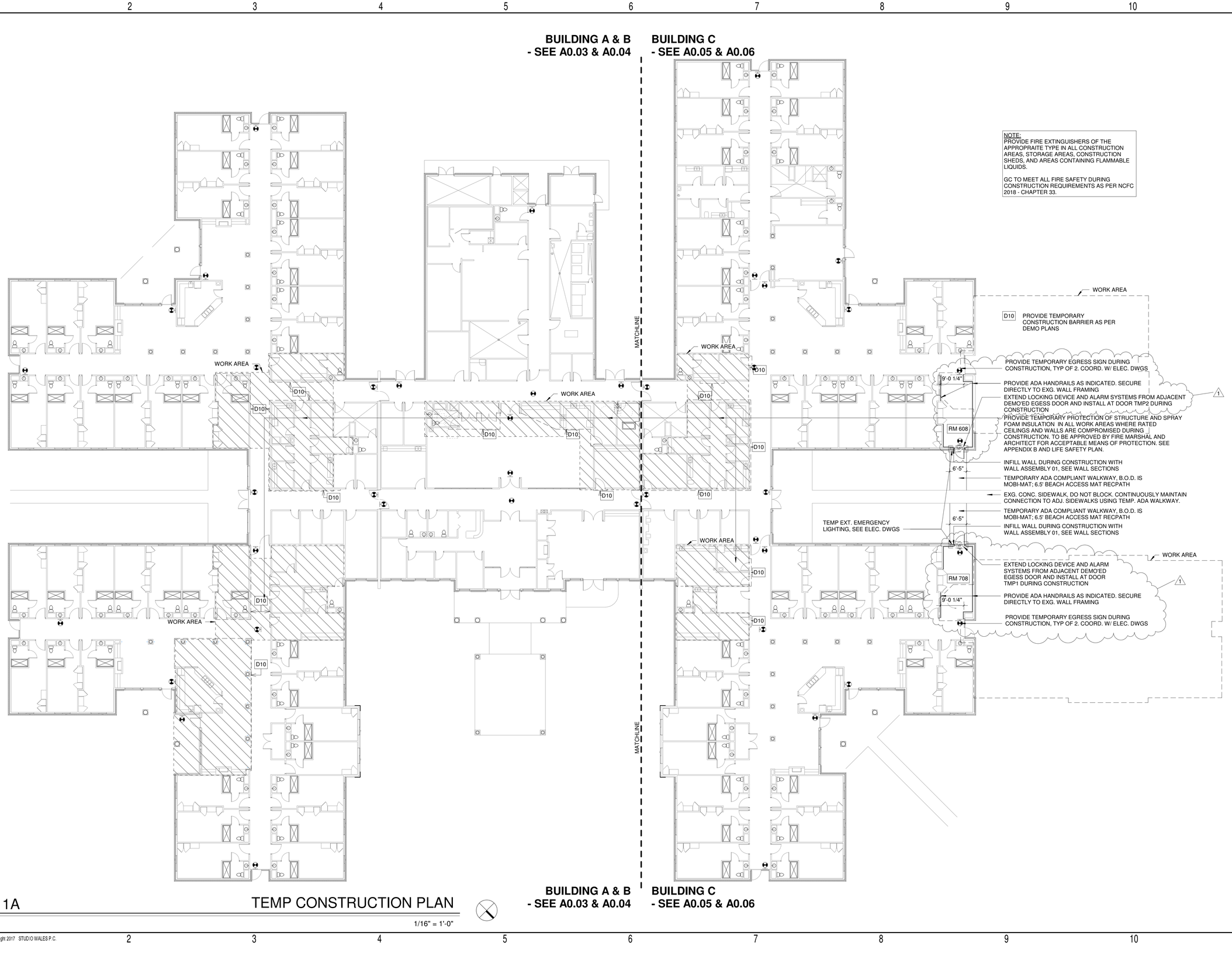
No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024

commission: NH-3138

sheet title: DHSR PLAN

sheet number: G2.02



1A TEMP CONSTRUCTION PLAN

1/16" = 1'-0"

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architecture
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p. 414.704.6764 | www.STUDIO-WALES.com

STUDIO WALES P.L.L.C. 02/06/2024 53175 WINSTON-SALEM, N.C.

KEITH E. WALES JR. 02/06/2024 13140 WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024

commission: NH-3138

sheet title:
TEMP LIFE SAFETY PLAN

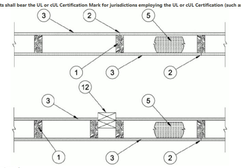
sheet number :

G2.03

Design No. **U305**
June 14, 2024

Bearing Wall Rating — 1 Hr
Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.
STC Rating - 56 (See Item 9)
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide [BXUV](#) or [BXUV7](#)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Wood Studs —** Nom 2 by 4 in, spaced 16 in. OC max, effectively firestopped.

2. **Joints and Nail-Heads —** Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. **Gypsum Board* —** 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 8 through 9F. **Steel Framing Members***. When Items 6, 6B, 6C, 6D, 6E, or 6F, **Steel Framing Members***, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

When Item 6A, **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels, Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs.
AMERICAN GYPSUM CO — Types AGX-1(finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22 min), Type LightRoc (finish rating 23 min) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

CABOT MANUFACTURING ULC — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X-1 (finish rating 26 min) Type EGRG or GlasRoc (finish rating 23 min). GlasRoc-2, Type Habito (finish rating 26 min), Type LWTX (finish rating 18 min), Type LGFCSA (finish rating 34 min). Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type GGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min), Type ULIX (finish rating 20 min)

GEORGIA-PACIFIC GYPSUM L L C — Type S (finish rating 26 min), Type 6 (finish rating 23 min), Type X (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFSX (finish rating 20 min), Type GPFSI (finish rating 20 min), Type DS, Type DAT, Type DZI (finish rating 20 min), Type DFA, Type DATC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water-Rated - Type X, Sheathing - Type X, ToughRock - Type X, Soffit - Type X, Type UWX (finish rating 22 min), Veneer Plaster Base-Type UWX (finish rating 22 min), Water-Rated-Type UWX (finish rating 22 min), Sheathing Type-UWX (finish rating 22 min), SoftRock-Type UWX (finish rating 22 min), Type DGGW (finish rating 22 min), Water-Rated-Type DGGW (finish rating 22 min), Sheathing Type- DGGW (finish rating 22 min), SoftRock-Type DGGW (finish rating 22 min), Type UWX (finish rating 22 min), Veneer Plaster Base - Type UWZX (finish rating 22 min), Water-Rated - Type UWZX (finish rating 22 min), Sheathing - Type UWZX (finish rating 22 min), SoftRock - Type UWZX (finish rating 22 min), Type DGZLW (finish rating 22 min), Water Rated - Type DGZLW (finish rating 22 min), Sheathing - Type DGZLW (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSX-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSI, (finish rating 24 min), Type FSW-B, Type FSUX (finish rating 21 min), Type PDX (finish rating 26 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PUS-WRS (finish rating 20 min), Types PG-5, PG-5 (finish rating 26 min), PG-11 PG-13 (Nails increased to 2-in.), Type PG-C or PGI (finish rating 26 min)

PANEL REY S A — Type ARX, GREX, GRIX, PRX, PRC, PRC2, Types RHX, Guard Rey, MDX, ETX (finish rating 22 min), PRX2 (finish rating 21 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL — Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULIX (finish rating 20 min), Type SCX (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), SCX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type ULX (finish rating 22 min)

3A. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

CERTAINTEED GYPSUM INC — Type C, Type X-1 (finish rating 26 min), Type EGRG or GlasRoc, GRTX.

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min), Type ULIX (finish rating 20 min)

NATIONAL GYPSUM CO

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX. Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min). Type SCX. Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

3B. **Gypsum Board* —** (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

3C. **Gypsum Board* —** (As an alternate to Items 3, 3A and 3B) — 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-1/4 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A, Joint covering (Item 2) not required.
CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

3D. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, or 3C — Not Shown) — For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or nun 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RAY-BAR ENGINEERING CORP — Type RB-LBG (finish rating 24 min)

3E. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, and 3D) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG (finish rating 20 min), GreenGlass Type X (finish rating 23 min)

3F. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3G) — 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter.
CGC INC — Type USGX (finish rating 22 min).

UNITED STATES GYPSUM CO — Type USGX (finish rating 22 min.)

USG BORAL DRYWALL SFZ LLC — . Type USGX (finish rating 22 min.)

USG MEXICO S A DE C V — Type USGX (finish rating 22 min.)

3G. **Gypsum Board* —** (As an alternate to Items 3 through 3F) — 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

3H. **Gypsum Board* —** (As an alternate to Items 3) — Not to be used with Items 6 or 7, 5/8 in. thick paper surfaced applied vertically only. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
NATIONAL GYPSUM CO — Type SBWB

3I. **Gypsum Board* —** (As an alternate to Items 3 through 3H, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES (finish rating 20 min)

3J. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick paper surfaced applied vertically or horizontally. Gypsum panels secured with 1-1/4 in. Type W coarse thread gypsum panel steel screws spaced a maximum of 12 in. OC.
CERTAINTEED GYPSUM INC — Type SilentFX

3K. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC with the last screw 1 in. from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSX-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSI, (finish rating 24 min).

3L. **Gypsum Board* —** (As an alternate to Item 3) — For Direct Application to Studs Only — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D".
MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

3M. **Gypsum Board* —** (As an alternate to Items 3) — For Direct Application to Studs Only — For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f. Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

3N. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick, 4 ft. wide, applied horizontally or vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A.
CERTAINTEED GYPSUM INC — Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2 (finish rating 24 min)

3O. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 3, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527 (finish rating 24 min).

3P. **Gypsum Board* —** (As an alternate to Item 3, Not Shown) — Two layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by wood studs. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in. long drywall nails spaced 8 in. OC. Face layer gypsum panels fastened to studs with 1-7/8 in. long drywall nails spaced 8 in. OC starting with a 4" stagger.
NATIONAL GYPSUM CO — Type FSW (finish rating 25 min)

3Q. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type LGFCSA (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type GGLLX

3R. **Gypsum Board* —** (As an alternate to Item 3. For use with Item 5H) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 1/4 in. from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

3S. **Gypsum Board* —** 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

3T. **Wall and Partition Facings and Accessories* —** (As an alternate to 5/8 in. thick board as outlined in Item 3) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

3U. **Gypsum Board* —** (As an alternate to Item 3 - For use with Foamed Plastic products, Item 5S — 5/8 in. thick, 4 ft. wide, applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
AMERICAN GYPSUM CO — Types AGX-1

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC — Type X

CERTAINTEED GYPSUM INC — Type X

CGC INC — Type SCX

PANEL REY S A — Type ARX, PRX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type X

UNITED STATES GYPSUM CO — Types SCX and SGX

USG BORAL DRYWALL SFZ LLC — Types SCX and SGX

USG MEXICO S A DE C V — Type SCX

3V. **Gypsum Board* —** (As an alternate to Item 3. For use with Item 5G — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-5/8 in. long Type W screws spaced 8 in. OC at perimeter and in the field.

3W. **Gypsum Board* —** (As an alternate to Item 3. For use with Item 5J — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type W screws spaced 8 in. OC at perimeter and in the field.

4. **Steel Corner Fasteners —** (Optional) — For use at wall corners, Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. **Batts and Blankets* —** (Optional — Required when Item 6A is used (RC-1)) — Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be friction-fitted to completely fill the stud cavities.
CERTAINTEED CORP
JOHNS MANVILLE
KNAUF INSULATION LLC
MANSON INSULATION INC
ROCKWOOL — Types Acoustical Fire Batts and Type AFB, min. density 1.69 pcf / 27.0 kg/m^3

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

ROCK WOOL MANUFACTURING CO — Delta Board

THERMAFIBER/OWENS CORNING — Type SAFB, SAFB FF

5A. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product. When Item 6B is used, Fiber, Sprayed shall be SANCTUARY.

Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY for use with wet or dry application.

5B. **Fiber, Sprayed* —** (Not Shown - Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Batts and Blankets* —** Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall.
THERMAFIBER/OWENS CORNING — Type SAFB, SAFB FF

5D. **Glass Fiber Insulation —** (As an alternate to Item 5C) — 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5E. **Batts and Blankets* —** (Required for use with Wall and Partition Facings and Accessories, Item 3O) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities, See Batts and Blankets Category (BKNX) for names of manufacturers.

5F. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D) — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5G. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D), — As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft^3.
INTERNATIONAL CELLULOSE CORP — Cellser-RL

5H. **Foamed Plastic* —** (Optional -For use with Item 3R) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
Holcim Solutions and Products US, LLC — Nereset™ 2.0 or Nereset™ 2.0 LE Spray Foam and Sucrasel Spray Foam.

5I. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft^3.
Applegate Greenfiber Acquisition LLC — Applegate Advanced Stabilized Cellulose Insulation

5J. **Foamed Plastic* —** (Optional, Not Shown - For use with Item 3U) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
HOLCIM SOLUTIONS AND PRODUCTS US, LLC — Types GacoEZSpray F4000, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1150, GacoOnePass Low GWP F1880, and Gaco WallFoam 183M

5K. **Foamed Plastic* —** (Optional, Not Shown - For use with Item 3V) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamulate Closed Cell, Foamulate OCX, Foamulate 70, and Foamulate HFO.

5L. **Foamed Plastic* -** (Optional, Not Shown - For use with Item 3W) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
BASF CORP — Types Enertite® NM, Enertite® G, FE17®, Spraytite® 178, Spraytite® 8120G, Walltite® 200, Walltite® US, Walltite® US-N, Walltite® HFx, Spraytite® Comfort XL, Walltite® XL , Walltite® MAX, Walltite® LWF, Walltite® Plus and Enertite® Max

6. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-15/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-15/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75)

6A. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members on one side of studs as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Aa) to one side of studs only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC — Type Isomax

6B. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6C. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDIO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R.

6D. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
RSGUPOL AMERICA — Type SonusClip

6E. **Steel Framing Members* —** (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:
a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC - Type RC+ Assurance Clip

6F. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

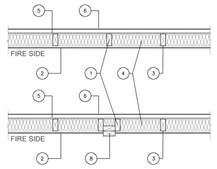
6G. **Steel Framing Members* —** (Optional, Not Shown) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 16 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used

Design No. **U356**

January 29, 2024

Bearing Wall Rating – 1 Hr Rating Exposed to Fire on Interior Face Only
Bearing Wall Rating — 1 Hr Rating Exposed to Fire on Exterior Face (See Item 6E)
Finish Rating — 23 Min or 25 Min (See Item 2C)
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide RBVV **or** RHVV

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Wood Studs —** Nom 2 by 4 in. spaced 16 in. OC with two 2 by 4 in. top and one 2 by 4 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5). When **Mineral and Fiber Boards*** (Item 5A) are considered as bracing for the studs, the load is restricted to 76% of allowable axial load. Walls effectively fire stopped at top and bottom of wall.

2. **Gypsum Board* — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. U501, U512 or U305.** Nom 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam head.
When Item **Steel Framing Members*** (Item 7 or any alternate clips), is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.
When Item 7A **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers.
AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — CKNX.R19374

CABOT MANUFACTURING ULC (View Classification) — CKNX.R25370

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R15482

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R3119

USG BORAL DRYWALL SFZ LLC (View Classification) — CKNX.R30438

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

2A. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — Any 5/8 in. thick 4 ft wide gypsum panels that are eligible for use in Design Nos. L501, G512 or U305, supplied by the Classified Companies listed below shown in the **Gypsum Board*** (CKNX) category. Applied vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
CGC INC
UNITED STATES GYPSUM CO
USG BORAL DRYWALL SFZ LLC
USG MEXICO S A DE C V

2B. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — 5/8 in. thick 4 ft wide gypsum panels applied vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X-1, Easi-Lite Type X-2

GEORGIA-PACIFIC GYPSUM L L C — Types X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-11, PGS-WRS, PGI.

THAI GYPSUM PRODUCTS PCL — Type C or Type X

2C. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — For Use with Item 5A only - 5/8 in. thick 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screws 1 in.and 4 in. from edges of board. Finish Rating is 23 min.
CABOT MANUFACTURING ULC — 5/8 Type X, Type Blueglass Exterior Sheathing

GEORGIA-PACIFIC GYPSUM L L C — Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type X, Soffit-Type X

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-11, PGS-WRS, PGI

2D. **Gypsum Board* —** (As an alternate to Item 2) — Not to be used with item 7. 5/8 in. thick, 4 ft. wide, paper surfaced. applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.
NATIONAL GYPSUM CO — Type GRW8

2E **Gypsum Board* —** (As an alternate to Items 2 through 2D) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES.

2F. **Gypsum Board* —** (As an alternate to Item 2) — Not to be used with item 7. 5/8 in. thick, 4 ft. wide, paper surfaced. applied vertically or horizontally and fastened to the studs and plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
CERTAINTEED GYPSUM INC — Type SilentFX

2G. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 2 through 2F) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 537.

2H. **Gypsum Board* —** (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type USFGNA (finish rating 21 min), Type USFCZA, Type USFC-CRL Type USFC-WD. Type USLLX

2I. **Gypsum Board* —** (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

NATIONAL GYPSUM CO — Type FSK, Type FSK-G, Type FSW, Type FSW-3, Type FSW-5, Type FSW-G, Type FSK-C, Type FSK-C, Type FSMR-C, Type FSW-G, Type FSL

2J. **Gypsum Board* —** (As an alternate to Item 2) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread steel screws spaced a max 8 in. OC with the last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type C, Type X-10inch rating 25 min), Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2, Type EGRG or Glasfloc Sheathing (finish rating 23 min)

3. **Joints and Fastener Heads —** (Not Shown) — Gypsum board joints covered with tape and joint compound. Fastener heads covered with joint compound.

4. **Batts and Blankets* —** Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min R-13 thermal insulation rating).
See **Batts and Blankets*** (BKNX) Category in the Building Materials Directory and **Batts and Blankets*** (BZJZ) Category in the Fire Resistance Directory for names of Classified Companies.

4A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY are to be used for dry application only.

4B. **Fiber, Sprayed* —** As an alternate to Item 4 and 4A — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.55 lb/ft ³.
NU-WOOL CO INC — Cellulose Insulation

4C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.32 lb/ft³.
INTERNATIONAL CELLULOSE CORP — Cellar-RL

4D. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 4) — Spray applied, granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAO).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Wood Structural Panel Sheathing —** Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing". Installed with long dimension of sheet (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 6d cement coated box nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs.

5A. **Mineral and Fiber Boards* —** As an alternate to Item 5 - Min 1/2 in. thick, 4 ft wide sheathing, installed vertically to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 1-1/2 in. long galvanized roofing nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs. As an option a weather resistive barrier may be applied over the Mineral and Fiber Boards.

6. **Exterior Facings —** Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:
A. **Vinyl Siding — Molded Plastic* —** Contoured rigid vinyl siding having a flame spread value of 20 or less.
See **Molded Plastic** (BRAT) category in the Building Materials Directory for names of manufacturers.

B. **Particle Board Siding —** Hardboard exterior sidings including patterned panel or lap siding.

C. **Wood Structural Panel or Lap Siding —** APA Rated Siding, Exterior, plywood, OSB or composite panels with veneer faces and structural wood core, per PS 1 or APA Standard PRP-108, including textured, rough sawn, medium density overlay, brushed, grooved and lap siding.

D. **Cementitious Stucco —** Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.

E. **Brick Veneer —** Any type on nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal wall ties attached over sheathing to wood studs with 8d nail per tie; ties spaced not more than each sixth course of brick and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.

F. **Exterior Insulation and Finish System (EIFS) —** Nom 1 in. **Foamed Plastic*** insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or Portland cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Foamed Plastic** (BRYX and CCWR) categories for names of Classified companies.

G. **Siding —** Aluminum or steel siding attached over sheathing to studs.

H. **Fiber-Cement Siding —** Fiber-cement exterior sidings including smooth and patterned panel or lap siding.

I. **Wall and Partition Facings and Accessories* —** Stone veneer is mortar bonded to a lath, scratch coat and water resistant barrier applied to sheathing, installed in accordance with the manufacturers installation instructions, and meeting the requirements of local code agencies.
ELDORADO STONE OPERATIONS L L C — Type Eldorado Stone

J. **Cementitious Backer Units —** 1/2 in. or 5/8 in., min. 32 in. wide.- Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum 3/4 in., spaced a max of 8 in. OC. Horizontal joints need not be backed by framing. When Cementitious Backer Units are used, the rating is applicable with exposure on either face. Cementitious Backer Units for use as substrate for exterior finishes such as ceramic tile, slate, marble, natural stone, manufactured stone, thin brick, or Portland cement or synthetic stucco.
NATIONAL GYPSUM CO — Type PermaBase

K. **Building Units —** 1 in., 2 in, or 3 in. thick, 4 ft. wide composite exterior cement backer board with rigid insulation, finished with ceramic tile, marble, natural stone, manufactured stone, thin brick, Portland cement or synthetic stucco.
NATIONAL GYPSUM CO - Type PBO

6A. **Building Units* — As an alternate to Exterior Facing Item 6 —** Insulated steel panels, 12 through 42 in. wide. Attached over sheathing through retainer clips to studs or support steel with No. 14 hex head self-tapping screws located at each joint in the concealed lip of the units and spaced in accordance with the structural design requirements.

KINGSPAN INSULATED PANELS INC — Types KS series with Kingspan PIR core. 3in, nominal thickness or Designnail 2000 or Designnail 4000D. 2 or 3 in. nominal thickness.

7. **Steel Framing Members* —** (Optional, Not Shown) — Furring Channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min, 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7A) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (Z75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (Z75).

7A. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two layers of gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7AA) to interior side of studs. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC — Type Isomax.

7B. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min, 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

7C. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ca) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A25TR.

7D. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Db. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

7E. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — Resilient channels and Steel Framing Members as described below:
a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7F. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min, 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

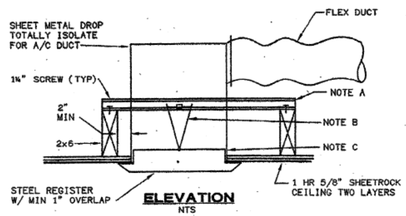
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

8. **Non-Bearing Wall Partition Intersection —** (Optional) — Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

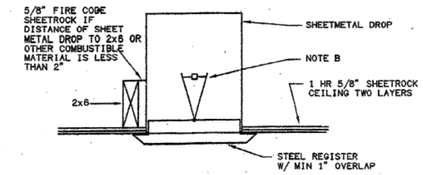
Last Updated on 2024-01-29

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ELEVATION
NTS

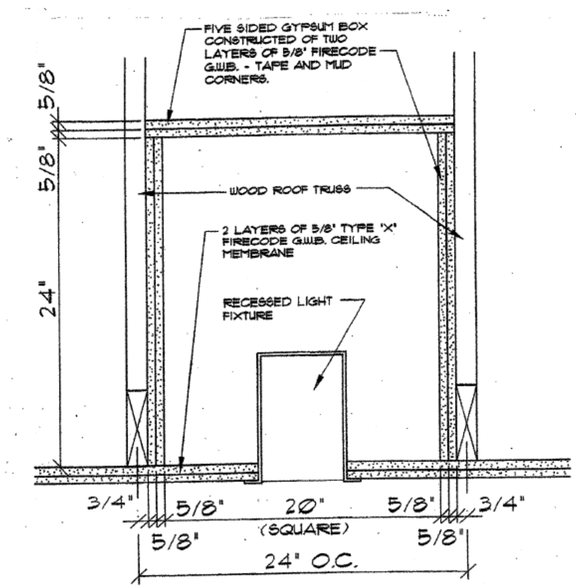
NOTES:
A. SUPPORT EACH SIDE WITH 16 GA. x 1⅝x1⅝ GALVANIZED CHANNEL. SIZE & SPACE SHALL BE PER MFG. RECOMMENDATIONS. SCREW POINTS SHALL NOT INTERFERE W/DAMPER OPERATION.
B. USE 1-1/2 HR. RADIATION DAMPER.
C. CONTRACTOR SHALL FOLLOW MFGR'S INSTRUCTIONS FULLY INSTALLING BOTH RADIATION DAMPER & REGISTER.



BOX NEXT TO 2x6 JOIST

PROVIDE FLEXIBLE SEALANT SEAL ON ALL SIDES OF DUCT DROP AND ADJACENT G.W.B.

RADIATION DAMPER AT CEILING LOCATIONS



RECESSED LIGHTING CEILING PROTECTION

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
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STUDIO WALES P.L.L.C. — 02/18/2024 — 53175 — WINSTON-SALEM, N.C.

KEITH E. WALES JR. — 02/18/2024 — 13140 — WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024
commission: NH-3138

sheet title:
UL ASSEMBLIES

sheet number :
G3.02

System No. W-L-1001

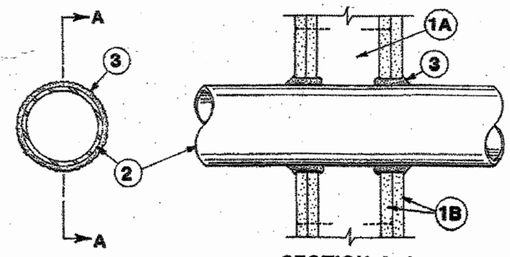
June 15, 2005

F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)

T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)

L Rating At Ambient — less than 1 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).

2. Through-Penetrant — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in / (0 mm). (point contact) to max 2 in. (51 mm) Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

F. Through Penetrating Product* — Flexible Metal Piping The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

GASTITE, DIV OF TITEFLEX

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG L L C

3. Fill, Void or Cavity Material* — Caulk or Sealant — Min 5/8. , 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Nax Pipe or Conduit Diam In (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+When copper pipe is used, T Rating is 0 h.

3M COMPANY — CP 25WB+ or FB-3000 WT.

*Bearing the UL Classification Mark

System No. W-L-5001

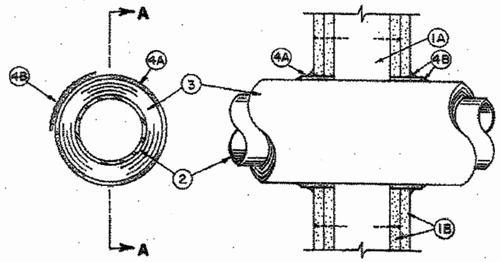
May 19, 2005

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 3/4, 1 and 1-1/2 Hr (See Item 3)

L Rating At Ambient — 2 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Nom 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Design in the UL Fire Resistance Directory. Max diam of opening is 14-1/2 (368mm) in for wood stud walls and 18 in. (457 mm) for steel stud wells.

The hourly F Rating of the firestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.

2. Through Penetrants — One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Pipe Covering* — Nom 1 or 2 in. (25 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m^3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints sealed with metal fasteners or with butt strip tape supplied with the product. When nom 1 in. (25 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum wallboard layers on each side of the

wall shall be min 1/4 in. (6 mm) to max 3/8 in. (10 mm) When nom 2 in. (51 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum board layers on each side of the wall shall be min 1/2 in. (13 mm) to max 3/4 in. (19 mm)

See **Pipe and Equipment Covering Materials (BRGU)** category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the firestop system is 3/4 hr when nom 1 in. (25 mm) thick pipe covering is used. The hourly T Rating of the firestop system is 1 hr and 1-1/2 hr when nom 2 in. (52 mm) thick pipe covering is used with 1 hr and 2 hr fire rated walls, respectively.

4. Firestop System — Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows:

A. Fill, Void or Cavity Materials* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. One layer of wrap strip is required when nom 1 in. (25 mm) thick pipe covering is used. Two layers of wrap strip are required when nom 2 in. (51 mm) thick pipe covering is used.

3M COMPANY — FS-195+

B. Fill, Void or Cavity Materials* — Caulk or Sealant — Min 1/4 in. (6 mm) diam continuous bead applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. (19 mm) from the wall surface.

3M COMPANY — CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark

System No. W-L-5009

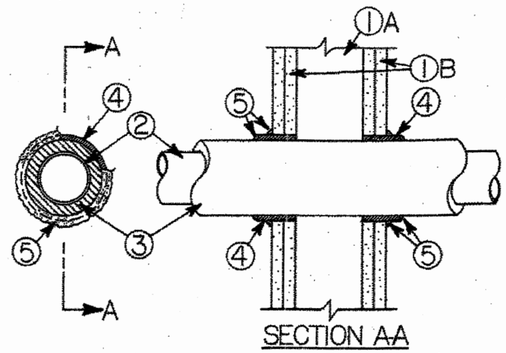
May 19, 2005

F Rating — 2 Hr

T Rating — 1/2 Hr

L Rating At Ambient — Less than 1 CFM/sq ft

L Rating At 400 F — Less tiesn 1 CFM/sq ft



SECTION AA

1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 mm by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Two layers of nom 5/8 in. (16 mm) thick gypsum board, as specified in the individual Wall and Partition Design. Diam of opening cut in gypsum board layers on each side of wall assembly (concentric with pipe, Item 2) to be 1/2 to 3/4 in. (13 to 19 mm) larger than outside diam of pipe insulation (Item 3) such that, when installed, a 1/4 to 3/8 in. (6 to 10 mm) annular space will be present between the pipe insulation and the gypsum board around the entire circumference of the opening. Max diam of opening is 4 in. (102 mm).

2. Copper Pipe — Nom 2 in. (51 mm) diam (or smaller) Type L (or heavier) copper pipe. A max of one pipe is permitted in the firestop system. Pipe to be installed near center of stud cavity width and is to be rigidly supported on both sides of wall assembly.

3. Pipe Insulation — Plastic# — Nom 5/8 in. (16 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam supplied in the form of tubes with skin. Pipe insulation to be sized to outside diam of copper pipe.

See **Plastics (QMFZ2)** category in the Recognized Component Directory for names of manufacturers. Any Recognized Component pipe insulation material meeting the above specifications and having a UL94 Flammability Classification of 94-5VA may be used.

4. Fill, Void or Cavity Materials* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in (51 mm) wide strip tightly wrapped around pipe insulation (foil side out) with seam butted. Wrap strip layer securely bound

with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. Wrap strip installed symmetrically on both sides of wall.

3M COMPANY — FS-195+

5. Fill, Void or Cavity Materials* — Caulk or Sealant — Min 1/4 in. (6 mm) diam continuous bead applied to leading edge of wrap strip layer (Item 4) prior to insertion of wrap strip layer into annular space. After insertion of wrap strip layer in annular space, a nom 1/4 in. (6 mm) diam continuous bead is to be applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. (19 mm) from the wall surface.

3M COMPANY — CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

#Bearing the UL Recognized Component Marking.

*Bearing the UL Classification Mark

System No. W-L-2005

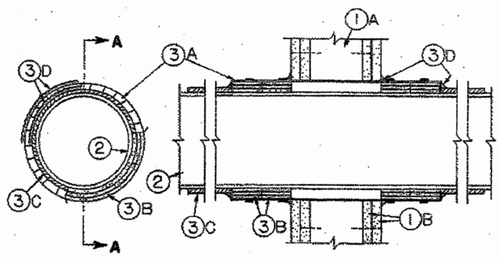
April 11, 2006

F Ratings — 1 and 2 Hr

T Ratings — 0, 3/4, 1, 1-1/2 and 2 Hr

L Rating At Ambient — 7 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. 51 by 102 mm lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. 51 by 102 mm lumber and plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 13-3/4 in. (349 mm).

2. Nonmetallic Pipe — Nom 6, 8 or 10 in. (152, 203 or 254 mm) diam Schedule 40 polyvinyl chloride (PVC) pipe for use in closed (process or supply) or vented (drain, waste of vent) piping systems. One pipe to be centered in the firestop system. Pipe to be installed near center of stud cavity width and to be rigidly supported on both sides of wall.

3. Firestop System — Installed symmetrically on both sides of wall assembly. The hourly F and T Ratings for the firestop system are dependent upon the size of nonmetallic pipe and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Nom Pipe Diam In.	Annular Space In.	Wall Fire Rating Hr	F Rating Hr	T Rating Hr
6 (152)	3/4 (19)	1	1	1
6 (152)	3/4 (19)	2	2	2
8 (203)	1 (25)	1	1	3/4
8 (203)	1 (25)	2	2	1-1/2
10 (254)	1-1/2 (38)	1	1	3/4
10 (254)	1-1/2 (38)	2	1	3/4

The details of the firestop system shall be as follows.

A. Steel Sleeve — Cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) thick (28 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam. Length of steel sleeve shall be equal to thickness of wall plus 9-1/2 in. (241 mm). 10 in. (254 mm) or 11 in. (279 mm) for the 6, 8 and 10 in. (152,203 and 254 mm) diam pipe sizes, respectively. Inside diam of steel sleeve and diam of through opening in the gypsum wallboard layers to be equal to outside diam of wrap strip (Item B) layers on pipe. Cylindrical sleeve inserted in annular space around nonmetallic pipe and centered in wall. After installation of wrap strip (Item B) layers, min 1/2 in. (13 mm) wide by min 0.028 in. (0.71 mm) thick stainless steel band clamps installed around steel collar on both sides of wall assembly with one band clamp located near the wall surface and another located approx 1 in. (25 mm) from the outer edge of the wrap strip layers. Edges of steel sleeve to be slit approx 1 in. (25 mm) OC around circumference of sleeve on both sides of wall, with length of slits approximately equal to thickness of mat wrap layers, to form retainer tabs. Retainer tabs bent 90 deg toward pipe to lock wrap strip layer(s) in position.

B. Fill, Void or Cavity Materials* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide by 24 in. (610 mm) long strips. Two stacks of wrap strip (nom 4 in. or 102 mm high stack) tightly-wrapped around nonmetallic pipe on each side of wall and slid into steel sleeve (Item A) such that inner edges are flush with or recessed max 1/4 in. (6 mm) into surface of wall. For nom 6 in. (152 mm) diam pipes, three layers of wrap strip are required in each stack. For nom 8 in. (203 mm) diam pipes, four layers of wrap strip are required in each stack. For nom 10 in. (254 mm) diam pipes, six layers of wrap strip are required in each stack. Each layer of wrap strip to be installed with butted seams, with the butted seams in successive layers staggered. Wrap strips temporarily held in position using aluminum foil tape, filament tape, steel wire tie, or equivalent.

3M COMPANY — Type FS-195+

C. Pipe Covering* — Nom 1 in. (25 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m^3) glass fiber units jacketed on the outside with an all service jacket. Min 6 in. (152 mm) length of pipe covering installed around PVC pipe at its egress from the wrap strip layers (Item B) on both sides of the wall. Pipe covering secured to pipe with steel wire ties spaced max 4 in. (102 mm) OC. Edge of pipe covering abutting wrap strip to be sealed with a min 1/4 in. (6 mm) diam bead of caulk (Item D).

See **Pipe And Equipment Covering -- Materials (BRGU) category** in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

D. Fill, Void or Cavity Materials* — Caulk or Sealant — Generous bead of caulk to be applied to outer perimeter of steel sleeve at interface with wall surfaces and to perimeter of pipe covering material wrap at its interface with the wrap strip layers.

3M COMPANY — CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark

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STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 414.704.6764 | www.STUDIO-WALES.com

STUDIO WALES PLLC 02/18/2024 53175 WINSTON-SALEM NC

KEITH E. WALES JR 02/18/2024 13140 WINSTON-SALEM NC

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title:

UL ASSEMBLIES

sheet number :

G3.03

System No. W-L-2003

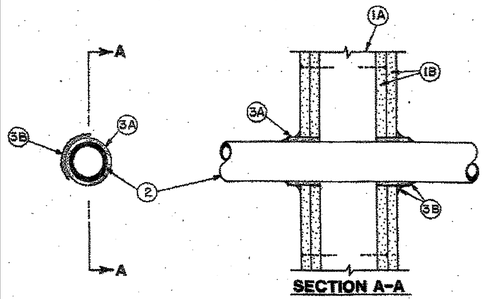
May 23, 2005

F Ratings — 1 and 2 Hr (See Item 3)

T Ratings — 1 and 2 Hr (See Item 3)

L Rating At Ambient — 7 CFM/sq ft (See Items 3B)

L Rating At 400 F — less than 1 CFM/sq ft (See Item 3B)



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/8 in. (79 mm).

2. Through Penetrants — One nonmetallic pipe or conduit to be centered in the through opening. The annular space between pipe or conduit and periphery of opening shall be min 1/4 in. (6 mm) and max 3/8 in. (10 mm). Pipe or conduit to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. Rigid Nonmetallic Conduit++ — Nom 2 in. (51 mm) diam (or smaller) (Schedule 40 or 80) PVC conduit installed in accordance with the National electric Code (NFPA No. 70).

C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

D. Cellular Core Polyvinyl Chloride (ccPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

E. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

F. Cellular Core Acrylonitrile Butadiene Styrene (ccABS) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

3. Firestop System — Installed symmetrically on both sides of wall assembly. The hourly F and T Ratings for the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. The details of the firestop system shall be as follows.

A. Fill, Void or Cavity Materials* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around nonmetallic pipe (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip protrudes from the wall surface.

3M COMPANY — FS-195+

B. Fill, Void or Cavity Materials* — Caulk, Sealant or Putty — Min 5/8 in. (16 mm) thickness of caulk or putty applied into annular space between wrap strip and periphery of opening. A nom 1/4 in. (6 mm) diam bead of caulk or putty to be applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layers approx 3/4 in. (19 mm) from the wall surface.

3M COMPANY — CP 25WB+ caulk or MP+ Stix putty, IC 15WB+ caulk, FireDam 150+ caulk or FB-3000 WT sealant. (Note: L Ratings apply only when Type CP 25WB+ caulk or FB-3000 WT sealant is used. CP 25WB+ not suitable for use with CPVC pipes.)

C. Foil Tape — (not shown) — Nom 4 in. (102 mm) wide, 3 mil thick aluminum tape wrapped around pipe prior to the installation of the wrap strip (Item 3A). Min of one wrap, flush with both sides of wall and proceeding outward. Tape is not required for pipes shown in Items 2A, 2B and 2C.

*Bearing the UL Classification Mark

System No. W-L-3001

September 07, 2004

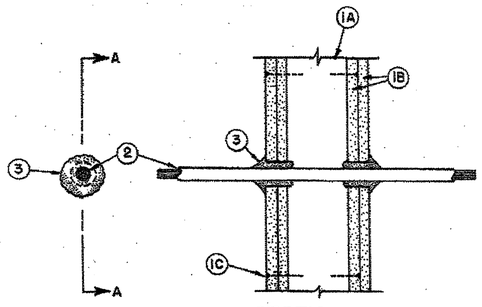
(Formerly System No. 149)

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 3/4, 1, 1-1/2 and 2 Hr (See Item 2)

L Rating At Ambient — 15 CFM/sq ft (See Item 3)

L Rating At 400 F — less than 1 CFM/sq ft (See Item 3)



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in OC.

B. Gypsum Board* — Nom 1/2 or 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers and sheet orientation shall be as specified in the individual Wall or Partition Design. Diam of circular through opening to be 3/8 in. to 5/8 in. larger than outside diam of cable or cable bundle.

C. Fasteners — When wood stud framing is employed gypsum wallboard layers attached to studs with cement coated nails as specified in the individual Wall or Partition Design. When steel channel stud framing is employed, gypsum wallboard attached to studs with Type S self-drilling, self-tapping bugle-head steel screws as specified in the individual Wall or Partition Design.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Cables — Individual cable or max 1 in. diam cable bundle installed in through opening with an annular space of min 0 in. (point contact) to max 3/4 in. Cable to be rigidly supported on both sides of wall assembly. The following types and sizes of cables may be used:

A. Max 150 pair No. 24 AWG copper conductor telephone cable with polyvinyl chloride (PVC) insulation and jacket materials. **When max 25 pair telephone cable is used, T Rating is 2 hr. When 50 to 150 pair telephone cable is used in 1 hr fire rated wall, T Rating is 3/4 hr. When 50 to 150 pair telephone cable is used in 2 hr fire rated wall, T Rating is 1 hr.**

B. Max No. 10 AWG multiple copper conductor Type NM ("Romex") nonmetallic sheathed cable with PVC insulation and jacket materials. **When Type NM cable is used, max T Rating is 1-1/2 hr.**

C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 5/8 in. **When fiber optic cable is used, max T Rating is 2 hr.**

D. Max 12 AWG multiconductor (max seven conductors) power/control cable with cross-linked polyethylene (XLPE) insulation and XLPE or PVC jacket materials. **When multiconductor power/control cable is used, max T Rating is 2 hr.**

E. Max four conductor with ground No. 2 AWG (or smaller) aluminum SER cables with polyvinyl chloride insulation amd jacket materials.

3. Fill, Void or Cavity Materials* — Caulk, Sealant or Putty — Caulk or putty fill material installed to completely fill annular space between cable and gypsum wallboard on both sides of wall and with a min 1/4 in. diam bead of caulk or putty applied to perimeter of cable(s) at its egress from each side of the wall.

3M COMPANY — MP+ putty, CP 25WB+ caulk or FB-3000 WT sealant. (Note: L Ratings apply only when Type CP 25WB+ caulk or FB-3000 WT sealant is used.)

*Bearing the UL Classification Mark

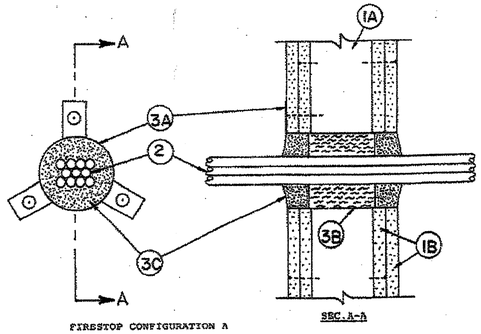
System No. W-L-3005

June 23, 2000

(Formerly System No. 235)

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1/2 Hr



FIRESTOP CONFIGURATION A

SEC. A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. In 2 hr fire-rated assemblies, steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. In 1 hr fire-rated assemblies, steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.

B. Gypsum Board* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in.

The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Cables — Aggregate cross-sectional area of cable in opening to be max 40 percent of the aggregate cross-sectional of the opening. Cables to be centered and rigidly supported on both sides of floor or wall assembly. The following types and sizes of copper conductor cables may be used:

A. Max 80 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride (PVC) insulation and jacket materials.

B. Max 2/C (with ground) — 12 AWG (or smaller) PVC insulated and jacketed nonmetallic sheathed cable.

3. Firestop System — The firestop system shall consist of the following:

A. Steel Sleeve — Cylindrical sleeve friction fitted into the opening with nom 1 in.

by 1 in. long mounting flanges and secured to gypsum wallboard with 2 in. long Type S self-drilling, self-tapping steel screws and fender washers. Sleeve may be field fabricated from min 0.016 in. thick (No. 30 gauge) galv sheet metal in accordance with the manufacturer's installation instructions.

B. Packing Material — In 2 hr fire-rated assemblies, min 2-1/2 in. thickness of min 4 pcf mineral wool insulation firmly packed into opening as a permanent form. In 1 hr fire-rated assemblies, min 2-3/8 in. thickness of min 4 pcf mineral wool insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

C. Fill, Void or Cavity Material* — Caulk or Putty — Min 1-1/4 in. thickness of fill material applied within annulus flush with both surfaces of wall. Fill material to be forced into interstices of cable bundle max extent possible. Additional fill material to be installed such that a min 1/2 in. crown is formed around the penetrating item.

W R GRACE & CO - CONN — FS900, FS901, FS903, FS923CG, FS905, FS905CG, FS929, FST901, FST903 or FST905 Sealant or FSP 1000 Putty

System No. W-J-1010

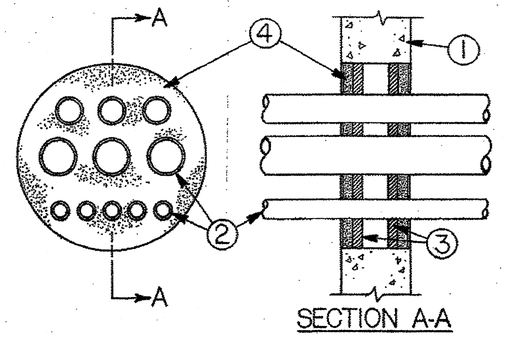
June 15, 2005

F Rating — 3 Hr

T Ratings — 1, 1-1/2 and 2 Hr (See Item 2)

L Rating At Ambient — 2 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — Min 6 in. (152 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 12 in. (305 mm).

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Steel Pipe or Conduit — Nom 3 in. (76 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe, steel conduit or steel electrical metallic tubing. Multiple pipes and/or conduit permitted in opening provided a min separation of 1/4 in. (6 mm) is maintained between pipes or conduits. Pipes and/or conduits to be rigidly supported on both sides of the wall assembly. The T Rating of the firestop system is dependent upon the max diam of the pipes or conduits, as tabulated below:

Max Pipe or Conduit Diam In.	T Rating Hr
3 (76)	1
1 (25)	1-1/2
3/4 (19)	2

3. Packing Material — Min 1 in. (25 mm) thick rigid glass fiber insulation or mineral wool batt insulation firmly packed into opening on both sides of wall assembly as a permanent form. Packing material to be recessed min 1 in. (25 mm) from surface of wall on both sides of wall assembly.

4. Fill, Void or Cavity Materials* — Caulk or Sealant — Applied to fill the through opening to a min depth of 1 in. (25 mm) on both sides of wall assembly.

3M COMPANY — CP 25WB+ or FB-3000 WT

*Bearing the UL Classification Mark

STUDIO WALES
architecture

3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 414.704.6764 | www.STUDIO-WALES.com

STUDIO WALES PLLC — 02/18/2024 — 53175 — WINSTON-SALEM, NC

KEITH E. WALES JR. — 02/18/2024 — 13140 — WINSTON-SALEM, NC

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title: UL ASSEMBLIES

sheet number: G3.04

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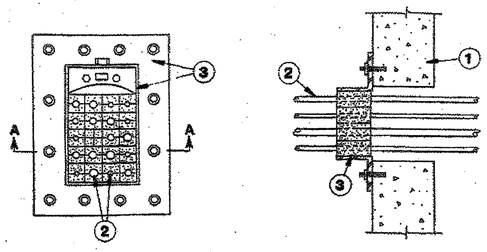
System No. W-J-1016

December 05, 1996

(Formerly System No. 497)

F Rating — 3 Hr

T Rating — 0 Hr



SECTION A-A

1. **Wall Assembly** — Min 4 in. thick reinforced normal weight (140-150) concrete. Wall assembly may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 72.2 sq in. with max dimension of 10-17/64 in.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants** — One metallic pipe or conduit to be positioned within the firestop device. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits may be used:

A. **Steel Pipe** — Nom 2 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.

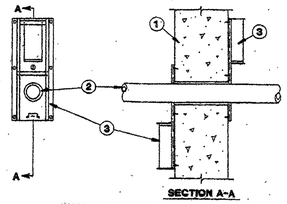
B. **Conduit** — Nom 2 in. diam (or smaller) rigid galv steel conduit.

3. **Firestop Device** — Firestop device shall be installed in accordance with the accompanying installation instructions. Firestop device consists of a steel frame, compression unit, stay plates and elastomeric insert blocks. The firestop device may be installed on either side of a solid concrete wall assembly. When wall is constructed of concrete blocks, devices are to be installed symmetrically on both sides of wall assembly. Device secured by means of 3/8 in. diam by 1-7/8 in. long steel expansion anchors spaced a max 4 in. OC. The annular space between the through-penetrants and the periphery of the steel frame shall be filled with elastomeric insert blocks and a compression unit sized to fit the specific penetrating items and steel frame. During the installation of the insert blocks within the steel frame, thin metal stay plates shall be used to separate each row of insert blocks and retain the insert blocks within the steel frame. After installation of the blocks, the bolts of the compression unit are tightened to form an effective seal around the through-penetrants and elastomeric insert blocks. The size of device is dependent upon the thickness of the wall and the size of the opening as tabulated below:

Thkns of Wall In.	Opening Size In.	Size of Device
8	4-11/32 x 5-1/2	RGB-2
8	7-1/32 x 5-1/2	RGB-4
8	9-11/32 x 5-1/2	RGB-6
8	7-1/32 x 10-17/64	RGB-4x2
4	4-11/32 x 5-1/2	RGB-2
4	7-1/32 x 5-1/2	RGB-4
4	9-11/32 x 5-1/2	RGB-6
4	7-1/31 x 10-17/64	RGB-4x2

EGS NELSON FIRESTOP — Types RGB-2, RGB-4, RGB-4x2, RGB-6

System No. WJ2009
(Formerly System No. 527)
F Ratings—1, 2 and 3 Hr (See Item 3)
T Ratings—1, 2 and 3 Hr (See Item 3)



SECTION A-A

WALL ASSEMBLY

1. **Wall Assembly**—Min 7-5/8 in. thick wall assembly constructed of any UL Classified Concrete Blocks* or common bricks, laid up with mortar. Max diam of opening is 7 in.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Through Penetrants**—One nonmetallic pipe or conduit to be centered within the firestop system. Pipe to be rigidly supported on both sides of wall assembly. A nom annular space of 1/4 to 3/8 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types of nonmetallic pipes or conduits may be used:
   A. **Polyvinyl Chloride (PVC) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. **Polyethylene (PE) Pipe**—Nom 8 in. diam (or smaller) Schedule 40 PE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   D. **Polypropylene (PP) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. Pipe to be rigidly supported on both sides of wall assembly.
3. **Firestop Device***—Devices consist of rectangular metal frame with a spring-loaded guillotine blade mechanism installed around outer circumference of opening. Devices to be mounted to each surface of wall assembly using 1-5/8 in. long steel masonry anchors in accordance with accompanying installation instructions. The hourly F and T ratings of the devices are dependent upon the type, size and schedule of the penetrating item, as shown in the following table:

Max Device Size (In.)	Type Of Pipe	Nom Pipe Diam In.	Pipe Schedule	F Rating, Hr	T Rating, Hr
4	PE	4	Sch 40	1	1
3	PP	3	Sch 40	2	2
2	CPVC	2	Sch 80	3	2
1-1/2	PVC	1-1/2	Sch 80	3	2
3	PVC	3	Sch 40	3	3
6	PVC	6	Sch 40	3	2

Orion Industries Inc.—Types 1-1/2, 2, 3, 4 and 6 in.

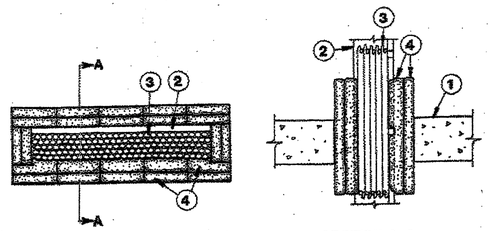
*Bearing the UL Classification Marking

System No. W-J-4005

January 08, 1993

F Rating — 3 Hr

T Rating — 0 Hr



SECTION A-A

1. **Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 176 sq in. with max dimension of 22 in.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Cable Tray** — Max 18 in. wide by 4 in. deep open ladder cable tray with channel-shaped side-rails formed of min 0.064 in. thick steel and with 1 in. wide by 1 in. deep rungs spaced 9 in. OC. One cable tray to be installed in the opening. The annular space between the cable tray and the periphery of the opening shall be min 2 in. Cable tray to be rigidly supported on both sides of wall assembly.

3. **Cables** — Aggregate cross-sectional area of cables in cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 2 in. cable loading depth within the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:

A. Max 100 pair No. 24 AWG copper conductor communication cables with polyvinyl chloride (PVC) insulation and jacket materials.

B. Max 7/C No. 12 AWG copper conductor control cables with polyvinyl chloride (PVC) insulation and jacket materials.

C. Max 350 kcmil single conductor power cables with polyvinyl chloride (PVC) insulation.

4. **Fill, Void or Cavity Materials* — Cushions** — Nominal 13 in. long by 4-1/2 or 7-1/2 in. wide by 1 in. thick fabric covered intumescent cushions. Cushions installed flat with nominal 13 in. length of each cushion passing through the wall opening with its ends projecting equally beyond the wall surface on each side of the wall assembly. Cushions tightly-packed into through opening between cables, cables and cable tray and cable tray and periphery of opening.

TREMCO INC — TREMstop-PS

*Bearing the UL Classification Mark

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p. 414.704.6764 | www.STUDIO-WALES.com

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KEITH E. WALES JR. — 02/18/2024 — 13140 — WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title:
UL ASSEMBLIES

sheet number :
G3.05

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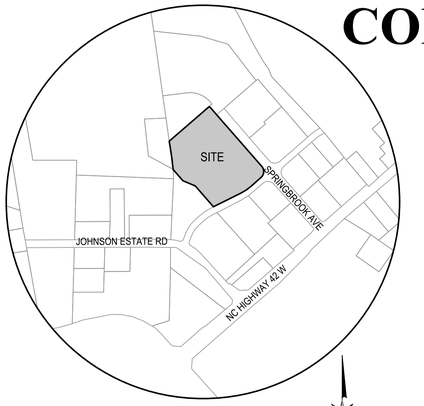
LONG TERM CARE - SPRINGBROOK

TOWN OF CLAYTON
JOHNSTON COUNTY, NORTH CAROLINA

CONSTRUCTION DRAWINGS AND SITE PLAN SUBMITTAL

TOWN OF CLAYTON PROJECT #2024-114-SP_CD / MASTER PLAN MSD-2013-59

1ST SUBMITTAL TO TOWN OF CLAYTON FOR REVIEW: JULY 30, 2024
2ND SUBMITTAL TO TOWN OF CLAYTON FOR REVIEW: DECEMBER 13, 2024



VICINITY MAP
NOT TO SCALE

SITE INFORMATION:

PROJECT NAME:	LONG TERM CARE - SPRING BROOK
PROPERTY LOCATION:	195 SPRINGBROOK AVE CLAYTON, NC 27520 (TOWN LIMITS)
COUNTY:	JOHNSTON
PARENT PIN:	164800-64-3207
DB/PG:	04348/0153
ZONING:	PD-MU
ACREAGE:	7.5 AC.
EXISTING USE:	NURSING HOME
PROPOSED USE:	NURSING HOME
EXISTING BUILDING COVERAGE:	20.81%
PROPOSED BUILDING COVERAGE:	23.37%
TOTAL IMPERVIOUS ADDED:	0.45 AC.
BUILDING HEIGHT:	24'
ELECTRIC PROVIDER:	DUKE ENERGY
WATER PROVIDER:	TOWN OF CLAYTON
SEWER PROVIDER:	TOWN OF CLAYTON
LIMITS OF DISTURBANCE:	23.37%

SETBACKS:

FRONT YARD:	25'
SIDE YARD:	15'
EXISTING BUILDING:	68,000 SF
PROPOSED BUILDING ADDITION:	8 BED ADDITION: 3,397 SF 12 BED ADDITION: 4,972 SF
TOTAL:	76,369 SF
EXISTING BEDS:	100
PROPOSED BEDS:	20
REQUIRED ADA PARKING:	26-50 SPACES REQUIRES 2 ADA SPACES
PARKING PROVIDED:	91 EXISTING SPACES 43 PROPOSED REGULAR SPACES 2 HANDICAP SPACES TOTAL:136 SPACES

BEFORE YOU DIG CALL 811
NORTH CAROLINA ONE CALL CENTER
www.ncocc.org

DRAWING INDEX

C-0.0	COVER
C-1.0	CIVIL NOTES
C-2.0	EXISTING CONDITIONS & DEMOLITION
C-3.0	OVERALL SITE PLAN
C-3.1	SITE PLAN
C-4.0	GRADING & DRAINAGE PLAN
C-5.0	UTILITY PLAN
C-6.0	LIGHTING PLAN
L-1.0	LANDSCAPE PLAN
L-2.0	LANDSCAPE DETAILS
D-1.0	SITE DETAILS
D-1.1	STORM DRAINAGE DETAILS
D-1.2	UTILITY DETAILS
EC-1.0	EROSION CONTROL PLAN
EC-1.1	EROSION CONTROL DETAILS I
EC-1.2	EROSION CONTROL DETAILS II

GOVERNING AGENCIES:

PLANNING/ZONING/LANDSCAPE:
TOWN OF CLAYTON
PLANNING DEPT.
111 EAST SECOND ST.
CLAYTON, NC 27520
919-359-9364

STORMWATER
TOWN OF CLAYTON
ENGINEERING DEPT.
111 EAST SECOND ST.
CLAYTON, NC 27520
919-593-5002

ENGINEERING
TOWN OF CLAYTON
ENGINEERING DEPT.
111 EAST SECOND ST.
CLAYTON, NC 27520
919-553-3002

US ARMY CORPS OF ENGINEERS (USACE)
USACE RALEIGH FIELD OFFICE
3331 HERITAGE TRADE DR. SUITE 105
WAKE FOREST, NC 27587
919-554-4884
CONTACT: MR. JAMES LASTINGER

UTILITY AGENCIES:

WATER & SEWER
TOWN OF CLAYTON WATER & SEWER DEPT.
111 EAST SECOND ST.
CLAYTON, NC 27520
919-359-1267
CONTACT: BRANDON CARROLL

NCDENR-DWQ SEWER
NCDENR RALEIGH REGIONAL OFFICE
3800 BARRETT DRIVE
RALEIGH, NC 27609
919-791-4232

NCDENR-PUBLIC WATER SUPPLY
NCDENR DIVISION OF WATER RESOURCES
RALEIGH REGIONAL OFFICE
3800 BARRETT DRIVE
RALEIGH, NC 27609
919-791-4232

Civil Engineering:
The Curry Engineering Group, PLLC
NC License # P-0799
PO Box 2018
205 S. Fuquay Ave
Fuquay-Varina, NC 27526
919.552.0849 (o)
Contact: Don Curry, PE
don@curryeng.com

Land Owner:
Britthaven Inc
PO Box 6159
Kinston, NC 28502
919.428.7361
Contact: Jon White
jonwhite.nc@outlook.com

Surveyor:
True Line Surveying, P.C.
205 West Main Street
Clayton, NC 27520
919.359.0427 (o)
Contact: Curk Lane, PLS

Town of Clayton
Construction Drawing
Approved for Construction
Director/Assistant Director of Engineering:
Planning Director:
Official Document
Town of Clayton Engineering must be contacted at a minimum of 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER
GARRETT B. MATTHEWS
12/13/24

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
COVER

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0849
F (919) 552-2043
NC LIC. NO. P-0799

Curry ENGINEERING

C-0.0

Z:\PROJECTS FOLDER_PZBU\ON\2024\2024-117 LONG TERM CARE - SPRINGBROOK - CLAYTON_ARK\SITE PLAN\SHEET FILES\COVER DRAWING NOTES.DWG
PLOTTED: 12/13/2024 10:53 AM

General Notes:

1. TOPOGRAPHICAL DATA PERFORMED BY TRUE LINE SURVEYING AND AS-BUILT INFORMATION. SITE BENCHMARK IS AVAILABLE FROM SURVEYOR. CONTOURS SHOWN HEREON ARE FROM AN ACTUAL FIELD SURVEY. BOUNDARY INFORMATION SUPPLIED BY OWNER AND SHOWN FOR REFERENCE ONLY. CONSULT PLS FOR ACTUAL BOUNDARY DATA.
2. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OF FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. THE OWNER SHALL PAY ALL COSTS IN CONNECTION WITH ALTERATION OF OR RELOCATION OF ANY EXISTING FACILITIES.
3. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED.
4. ALL STRUCTURAL FILL MATERIAL SHALL BE FREE OF ALL STICKS, ROCKS, AND CLUMPS OF MUD.
5. UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN AN APPROVED SOLID WASTE LANDFILL.
6. THE PROPOSED BUILDING IS SPRINKLERED.
7. THERE IS EXISTING UNDERGROUND WATER, SEWER, ELECTRICAL, AND FIBER OPTIC ON-SITE OR WITHIN CLOSE PROXIMITY. CONTRACTORS SHALL DIG WITH EXTREME CAUTION.
8. CONCRETE SUB SHALL BE RESPONSIBLE FOR ALL SCORE JOINTS AND EXPANSION JOINTS. SHOULD A QUESTION ARISE ABOUT THE PROPOSED PATTERN CONSULT WITH THE ENGINEER PRIOR TO POURING.
9. CONTRACTOR TO FURNISH ALL PAVEMENT MARKINGS AS SHOWN.
10. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CONTACT THE NC ONE CALL CENTER AT LEAST 48 HOURS PRIOR TO DIGGING @ 1.800.632.4949. THE SURVEYOR HAS ONLY LOCATED THE UTILITIES THAT ARE ABOVE GROUND AT THE TIME OF FIELD SURVEY. UNDERGROUND LINES SHOWN HEREON ARE APPROXIMATE OR AS REPORTED BY VARIOUS RESPONSIBLE PARTIES. THE SURVEYOR DOES NOT GUARANTEE THAT ANY UNDERGROUND STRUCTURES SUCH AS UTILITIES, TANKS AND PIPES ARE LOCATED HEREON.
11. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
12. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY, JOHNSTON COUNTY, AND TOWN OF CLAYTON.
13. ALL CONSTRUCTION AND MATERIALS SHALL MEET TOWN OF CLAYTON SPECIFICATIONS AND STANDARDS, LATEST EDITION. ALL WORK WITHIN NCDOT RIGHT-OF-WAY SHALL MEET THE SPECIFICATIONS AND STANDARDS OF NCDOT.
14. ALL CONCRETE PIPE IS TO BE ASTM C-76, CLASS III WITH RAM-NEK.
15. THIS SITE IS NOT LOCATED IN A FLOOD HAZARD ZONE PER FEMA MAP. FEMA COMMUNITY MAP #: 3720164800K, DATED JUNE 20, 2018.
16. ALL LOT DIMENSIONS SHOWN ARE APPROXIMATE. CONSULT THE BOUNDARY SURVEY OF ACTUAL SITE BOUNDARY INFORMATION.
17. WETLANDS ARE NOT PRESENT ON SITE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT RIGHT-OF-WAY, ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
19. PRIOR TO PLACING CABC STONE BASE, THE CONTRACTOR SHOULD NOTIFY THE PROJECT ENGINEER TO INSPECT AND PROOF ROLL THE SUBGRADE. ANY STONE PLACE WITHOUT PRIOR APPROVAL WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
20. DESIGN/FIELD CONDITIONS QUITE EASILY MAY VARY FROM THAT REPRESENTED IN THE INITIAL SOILS REPORT AND/OR TOPOGRAPHICAL REPORT. ISOLATED AREAS MAY SHOW UP WEAK AND ADVERSE SOILS OR GROUNDWATER CONDITIONS MAY BE DISCOVERED THAT WERE NOT REVEALED DURING THE INITIAL SOILS INVESTIGATION. THEREFORE, THE OWNER/CLIENT IS TO BE AWARE THAT CURRY ENGINEERING GROUP, PLLC WILL NOT AND CANNOT BE HELD RESPONSIBLE FOR ANY FAILURES TO EITHER A STREET OR PARKING LOT PAVEMENT DESIGN UNLESS WE CAN BE FULLY AND TOTALLY INVOLVED IN THE CONSTRUCTION PROCESS WHICH MAY INCLUDE, BUT MAY NOT NECESSARILY BE LIMITED TO, TESTING SUBGRADE AND BASE DENSITY, ENGAGING THE DESIGN ENGINEER FOR THE EVALUATION OF THE SUBGRADE AND FOR THE OBSERVATION OF PROOF ROLLING SUBGRADE AND BASE AT VARIOUS STEPS OF CONSTRUCTION, OPPORTUNITY FOR THE DESIGN ENGINEER TO CALL IN A SOILS ENGINEER FOR CONSULTATION AND ADVICE, ETC. - STEPS WHICH TAKEN ALTOGETHER WITH THE INITIAL DESIGN SHOWN ON THE PLANS, CONSTITUTE THE COMPLETE DESIGN OF THE ROAD, STREET OF PARKING AREA (PRIVATE OR PUBLIC). THE DESIGN ENGINEER MUST BE GIVEN THE FULL LATITUDE AND OPPORTUNITY TO COMPLETE THE DESIGN BY FULLY PARTICIPATING IN THE CONSTRUCTION PROCESS. PLAN DESIGN IS A SMALL PORTION OF THE DESIGN AND CANNOT BE SEPARATED FROM THE CONSTRUCTION PROCESS IF THE OWNER'S/CLIENT'S DESIRE IS TO HAVE THE DESIGN ENGINEER STAND BEHIND THE COMPLETED DESIGNED PROJECT.
21. ALL UTILITY SERVICES, (POWER, TELEPHONE, CABLE, ETC.) ARE PROPOSED TO BE UNDERGROUND. DO NOT SEED OR MULCH DISTURBED AREAS UNTIL ALL UNDERGROUND UTILITIES HAVE BEEN INSTALLED.
22. WATER AND SEWER IS TO BE PROVIDED BY THE TOWN OF CLAYTON.
23. THE BUILDING SETBACK LINES SHOWN ON THIS PLAN ARE FOR THE ENGINEER'S USE IN ESTABLISHING MINIMUM LOT FRONTAGES AT THE SETBACK LINE AND FOR RESERVING SUFFICIENT BUILDING AREA. BUILDING CONTRACTORS ARE TO VERIFY LOT LINE SETBACKS BEFORE SETTING FORMS OR DIGGING FOOTINGS.
24. REGULATORY SIGNS, STOPS SIGNS AND STREET NAME SIGNS SHALL BE MANUFACTURED FROM HIGH INTENSITY REFLECTIVE MATERIALS.
25. ALL EXCESS TOPSOIL AND UNCLASSIFIED EXCAVATION IS TO BE HAULED OFF-SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
26. ALL SITE CONSTRUCTION MUST BE INSPECTED BY THE PROJECT ENGINEER AT THE FOLLOWING STAGES:
    A. COMPLETION OF GRADING SUBGRADE PRIOR TO PLACING STONE BASE.
    B. COMPLETION OF STONE PLACEMENT PRIOR TO PAVING.
    C. FINAL INSPECTION WHEN ALL WORK IS COMPLETE.
27. THE SURVEYOR DID NOT VISIBLY SEE ANY CEMETERIES IN ANY OPEN AREAS UNLESS OTHERWISE NOTED.
28. THIS PROPERTY DOES NOT DEPICT ENCUMBRANCES THAT ARE FOUND DURING A THOROUGH TITLE SEARCH.
29. ALL HVAC UNITS FOR THE PROPOSED BUILDING WILL BE SCREENED FROM PUBLIC RIGHT OF WAY.
30. ALL CURB AND GUTTER TO BE 24" STANDARD CURB AND GUTTER. ALL CURB AND GUTTER WITHIN NCDOT R/W SHALL BE 30" STANDARD.
31. ALL CURB AND GUTTER AND SIDEWALK CONCRETE IS TO BE MINIMUM 3,000 PSI AT 28 DAYS, AIR ENTRAINED.
32. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS INDICATED OTHERWISE.
33. PROVIDE HANDICAP SIGNS, MARKING AND RAMPS AS SHOWN.
34. HANDICAP RAMPS ARE TO MEET "ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" AS DETAILED IN THE FEDERAL REGISTER, VOLUME 56, NUMBER 144 DATED JULY 26, 1991, RULES AND REGULATIONS ACTIVATED JANUARY 26, 1992. FOR ADDITIONAL INFORMATION, REFER TO THE 2012 NC STATE BUILDING CODE CHAPTER 11, "ACCESSIBILITY." ALL STREET RETURNS TO HAVE H.C. RAMPS.
35. CONTRACTOR SHALL NOT POUR ANY CONCRETE BEFORE FORMS ARE INSPECTED BY THE PROJECT ENGINEER AND/OR OWNER. ANY CONCRETE THAT HAS NOT BEEN APPROVED BY THE ENGINEER AND/OR OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
36. ALL AREAS NOT COVERED BY BUILDING OR PARKING SHALL BE COVERED WITH 4" MINIMUM OF TOPSOIL, FREE OF ROOT MATTER AND ROCKS AND GRASSED.
37. CONTRACTOR SHALL SAW-CUT TO PROVIDE SMOOTH TRANSITIONS WHERE EXISTING ASPHALT AND/OR CURB AND GUTTER IS TO BE REMOVED.
38. THE CONTRACTOR SHALL PROVIDE ALL THE MATERIAL AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE UTILITIES. ALL PIPE AND FITTINGS SHALL BE INSPECTED PRIOR TO BEING COVERED.
39. ALL HANDICAP SPACES ARE TO RECEIVE A HANDICAP SIGN AND HANDICAP SYMBOL PAINTED ON THE ASPHALT. NOTE STALLS TO RECEIVE 'VAN ACCESSIBLE' SIGNAGE.
40. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE POINTS.
41. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED ON THE PLANS OR 12 INCHES, WHICH EVER IS LESS, CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
42. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL OF ANY EXCESS TOPSOIL HE DETERMINES IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION.
43. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. JOHNSTON COUNTY, TOWN OF CLAYTON, & CURRY ENGINEERING ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
44. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE DAILY RECORD KEEPING OF THE AS-BUILT CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKEOUT ASSOCIATED WITH THE PROJECT.
45. ALL WATER LINE AND SEWER LINE INSTALLATION SHALL CONFORM TO THE STANDARDS AND DETAILS OF THE STATE OF NORTH CAROLINA DEPARTMENT OF HEALTH CONSTRUCTION PERMIT AND TOWN OF CLAYTON .
46. THE LAND DISTURBANCE PERMIT MUST BE KEPT ON THE WORK SITE AND SHOWN UPON REQUEST.
47. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ALL MATERIAL AND LABOR ASSOCIATED WITH THE TESTING OF THE WATER AND SEWER LINES REQUIRED BY THE STATE OF NORTH CAROLINA DEPARTMENT OF HEALTH & TOWN OF CLAYTON.
48. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DE-WATERING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS.
49. NATURAL GAS MAY BE AVAILABLE. SEE CONTACT INFORMATION THIS SHEET.
50. TESTING BY CONTRACTOR: CONTRACTOR SHALL EMPLOY AT HIS EXPENSE AN OUTSIDE INDEPENDENT SOIL TESTING SERVICE (APPROVED BY THE ARCHITECT) TO PERFORM SOIL TESTING AND INSPECTION SERVICE FOR QUALITY CONTROL TESTING DURING EARTHWORK OPERATIONS. COPIES OF RESULTS OF TESTS SHALL BE SUBMITTED BY THE TESTING SERVICE DIRECTLY TO THE CONTRACTOR, THE ARCHITECT, AND THE STRUCTURAL ENGINEER. --THE TESTING SERVICE WILL CLASSIFY PROPOSED ON-SITE AND BORROW SOILS TO VERIFY THAT SOILS COMPLY WITH SPECIFIED REQUIREMENTS AND TO PERFORM REQUIRED FIELD AND LABORATORY TESTING. (MINIMUM REQUIRED SOIL BEARING CAPACITY IS NOTED ON THE STRUCTURAL DRAWINGS). --IN PAVED AND BUILDING SLAB AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 2000 SQUARE FEET OF FILL IN EACH COMPACTED FILL LAYER. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION. --IN FOUNDATION WALL AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 100 FEET OR LESS OF WALL LENGTH OF FILL IN EACH COMPACTED FILL LAYER, WITH NO LESS THAN TWO TESTS ALONG A WALL FACE. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION.
51. COMPACTION: COMPACT EACH LAYER OF BACKFILL AND FILL SOIL MATERIALS AND THE TOP 12" OF SUBGRADE IN CUT AREAS TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698 FOR STRUCTURES, SLABS, AND PAVEMENTS AND 95% OF MAXIMUM DENSITY FOR LAWNS OR UNPAVED AREAS.
52. THE BUILDING CONTRACTOR AND THE SITE WORK CONTRACTOR ARE TO COORDINATE THE INSTALLATION OF DRAINAGE PIPES AROUND THE BUILDING STRUCTURE.
53. ANY RELOCATION OF EXISTING UTILITIES WILL BE AT THE COST OF THE DEVELOPER/OWNER. THE TOWN WILL NOT ACCEPT RESPONSIBILITY FOR DAMAGES TO CURB AND GUTTER OR STREET IMPROVEMENTS INSTALLED PRIOR TO UNDERGROUND SERVICES. NOR WILL THE TOWN ABSORB THE COST FOR BORINGS TO INSTALL UNDERGROUND SERVICE, PAVEMENT PATCHING OR DAMAGE TO LANDSCAPING. THESE WILL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER.
54. FIRE DEPARTMENT VEHICULAR ACCESS TO ALL STRUCTURES UNDER CONSTRUCTION SHALL BE PROVIDED AT ALL TIMES. IN AREAS WHERE GROUND SURFACES ARE SOFT OR LIKELY TO BECOME SOFT, HARD ALL WEATHER SURFACE ROADS SHALL BE PROVIDED AND MAINTAINED.
55. ADDRESS NUMBERS, BOTH COMMERCIAL AND RESIDENTIAL, MUST BE POSTED ON THE FRONT OF THE STRUCTURE NEAREST TO THE MAIN ENTRANCE IN A POSITION TO BE PLAINLY LEGIBLE, VISIBLE, AND UNOBSTRUCTED FROM THE STREET OR ROAD FRONTING THE PROPERTY.
39. DISTURBED AREA IS IN EXCESS OF 1 ACRE AND FORMAL SEDIMENTATION & EROSION CONTROL PLAN APPROVAL IS REQUIRED AS A CONDITION OF CONSTRUCTION PLAN APPROVAL. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE KEPT ON SITE AT ALL TIMES. THE APPROVED SEDIMENTATION & EROSION CONTROL PLAN SHOULD BE REGARDED AS MINIMUM REQUIREMENTS; ADDITIONAL MEASURES SHALL BE PUT IN PLACE AS NEEDED TO ENSURE THAT NO SEDIMENT IS RELEASED FROM THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR PICKING UP AND PAYING FOR GRADING PERMIT ISSUED BY NCDENR LAND QUALITY
40. COPIES OF ALL PERMITS AND APPROVED PLANS MUST BE KEPT ON SITE IN A PERMIT BOX THAT IS CONSPICUOUSLY LOCATED AND EASILY ACCESSIBLE DURING CONSTRUCTION. THIS INCLUDES APPROVED CONSTRUCTION PLANS, APPROVED EROSION CONTROL PLANS, ENCROACHMENT AGREEMENTS, DRIVEWAY PERMITS, WATER/SEWER PERMITS, ETC.
41. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL JOHNSTON COUNTY, TOWN OF CLAYTON AND NCDENR STANDARDS AND SPECIFICATIONS.
42. MAINTAIN MINIMUM 3' COVER FOR ALL WATER PIPE.
43. WHERE WATERLINE CROSSES:
    A. SANITARY SEWER: WATERLINE SHALL CROSS ABOVE AND MAINTAIN 18" VERTICAL SEPARATION OR 10' OF HORIZONTAL SEPARATION. IF THIS SEPARATION CANNOT MAINTAIN OR IF WATERLINE PASSES BELOW SEWER LINE THEN BOTH WATERLINE AND SEWER LINE SHALL BE CLASS 50 DUCTILE IRON PIPE FOR A MINIMUM OF 10' EACH SIDE OF CROSSING.
    B. STORM SEWER: WHERE WATERLINE CROSSES ABOVE MAINTAIN 1' VERTICAL SEPARATION. WHERE WATERLINE CROSSES BELOW MAINTAIN 18" VERTICAL SEPARATION. IF THIS SEPARATION CANNOT BE MAINTAINED WATERLINE SHALL BE CLASS 50 DUCTILE IRON PIPE FOR MINIMUM OF 10' EACH SIDE OF CROSSING.
44. WHERE SANITARY SEWER CROSSES STORM MAINTAIN 18" SEPARATION. IF THIS SEPARATION CANNOT BE MAINTAINED SANITARY SEWER SHALL BE CLASS 50 DUCTILE IRON PIPE FOR MINIMUM OF 10' EACH SIDE OF CROSSING.
45. REFERENCE NC 15A, 18C, .0906 FOR ADDITIONAL CROSSING INFORMATION. THIS CRITERIA SHALL BE MET AT ALL CROSSINGS.

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
&	AND
℄	CENTERLINE
⌀	DIAMETER OR ROUND
ℙ	PROPERTY LINE
– A –	
ABC	AGGREGATE BASE
ASPH	ASPHALT
AVE	AVENUE
– B –	
BLVD	BOULEVARD
BLDG	BUILDING
BOC	BACK OF CURB
BW	BOTTOM OF WALL
– C –	
CB	CATCH BASIN
CI	CURB INLET
CIP	CAST IRON PIPE
CLS	CLASS
CJ	CONTROL JOINT
CO	CLEANOUT
CONC	CONCRETE
– D –	
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DOM	DOMESTIC
DR	DRIVE
– E –	
(XX)	EXISTING ELEVATION
E	EAST, EASTING
EL	ELEVATION
EJ	EXPANSION JOINT
EOP	EDGE OF PAVEMENT
EX	EXISTING
EVAP	EVAPORATIVE
– F –	
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FHA	FIRE HYDRANT ASSEMBLY
FL	FLOW LINE
FT	FOOT OR FEET
– G –	
G	GAS
GALV	GALVANIZED
GB	GRADE BREAK
GE	GENERAL ELECTRIC
GR	GRADE
– H –	
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HOV	HIGH OCCUPANCY VEHICLE
HP	HIGH POINT
– I –	
IAW	IN ACCORDANCE WITH
I.H.	INTERSTATE HIGHWAY
INV	INVERT
– L –	
LEN	LENGTH
LEV	LOW EMISSION VEHICLE
LF	LINEAR FEET
LP	LOW POINT

IDENTIFIER	DESCRIPTION
– M –	
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
– N –	
N	NORTH, NORTHING
NCDENR	NORTH CAROLINA DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
NCDOT	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
NTS	NOT TO SCALE
– O –	
OH	OVERHEAD
OCB	OFF-SET CATCH BASIN
– P –	
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
PKWY	PARKWAY
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
– R –	
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT OF WAY
RPDA	REDUCED PRESSURE DETECTOR ASSEMBLY
RPZ	REDUCED PRESSURE ZONE
– S –	
S	SOUTH
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDE	SIGHT DISTANCE EASEMENT
SSMH	SANITARY SEWER MANHOLE
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
ST.STL	STAINLESS STEEL
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
– T –	
TB	TOP OF BARRIER
TC/TOC	TOP OF CURB
TD	TEMPORARY DIVERSION
TH	TEST HEADER
TOP	TOP OF PIPE
TP	TOP OF PAD
TYP	TYPICAL
TW	TOP OF WALL
– U –	
UG	UNDERGROUND
– V –	
VEG	VEGETATED
VERT	VERTICAL
– W –	
W	WEST
W/	WITH
W/O	WITHOUT
– Y –	
YI	YARD INLET

** ALL SYMBOLS & ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS DRAWING PACKAGE **

BEFORE YOU DIG CALL 811
NORTH CAROLINA ONE CALL CENTER
www.ncocc.org

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON

CIVIL NOTES

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0649
F (919) 552-2043
NC LIC. NO. P-0799

Curry ENGINEERING

C-1.0

Town of Clayton Construction Drawing Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 048484 JARED B. MATTHEWS 12/13/24

Z:\PROJECTS FOLDER\JEB\LON\2024\2024-171 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\C-1.0 CIVIL NOTES.DWG
PLOTTED: 12/13/2024 10:53 AM

GENERAL NOTES:

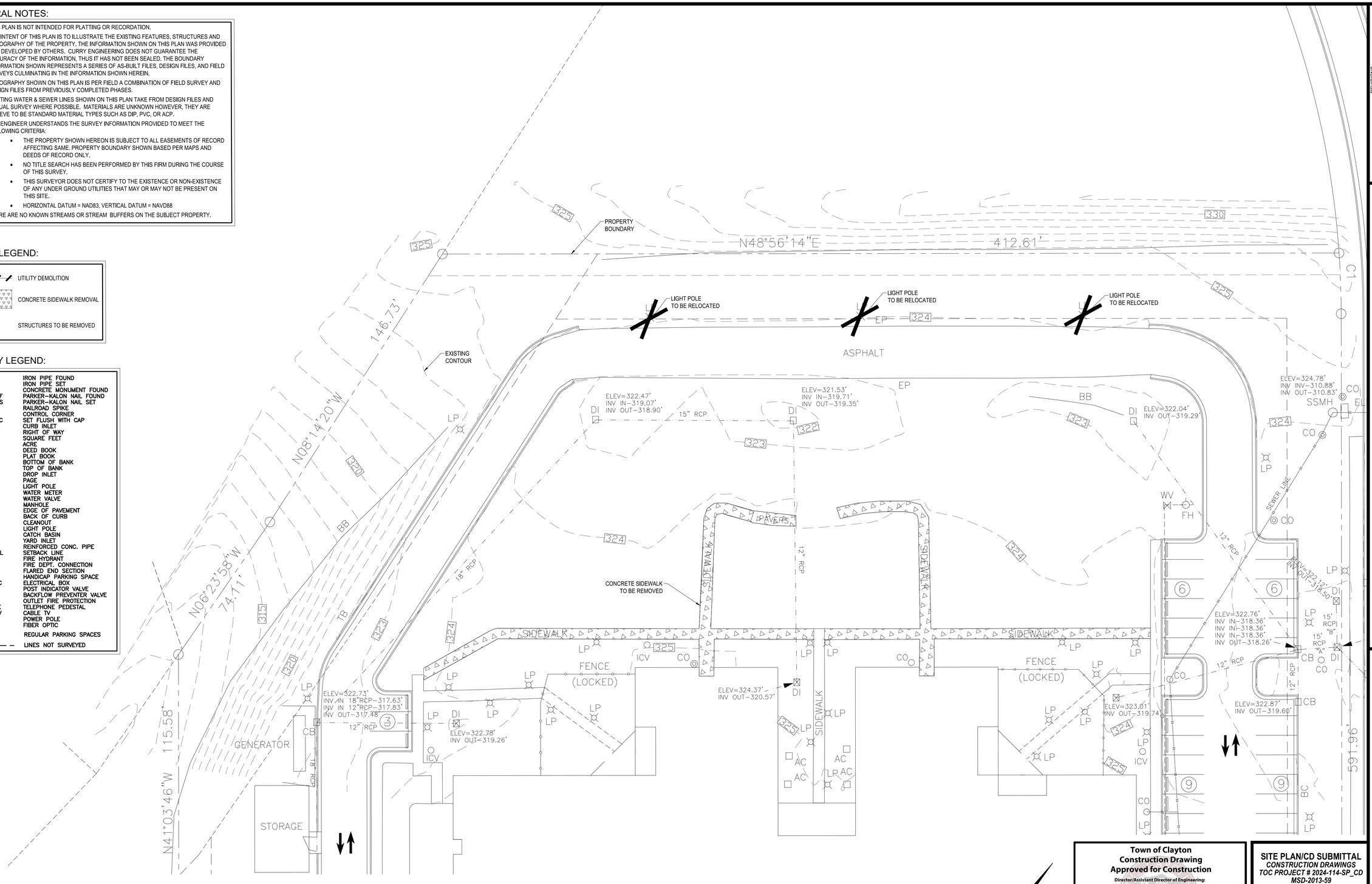
1. THIS PLAN IS NOT INTENDED FOR PLATTING OR RECORDATION.
2. THE INTENT OF THIS PLAN IS TO ILLUSTRATE THE EXISTING FEATURES, STRUCTURES AND TOPOGRAPHY OF THE PROPERTY. THE INFORMATION SHOWN ON THIS PLAN WAS PROVIDED AND DEVELOPED BY OTHERS. CURRY ENGINEERING DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION, THUS IT HAS NOT BEEN SEALED. THE BOUNDARY INFORMATION SHOWN REPRESENTS A SERIES OF AS-BUILT FILES, DESIGN FILES, AND FIELD SURVEYS CULMINATING IN THE INFORMATION SHOWN HEREIN.
3. TOPOGRAPHY SHOWN ON THIS PLAN IS PER FIELD A COMBINATION OF FIELD SURVEY AND DESIGN FILES FROM PREVIOUSLY COMPLETED PHASES.
4. EXISTING WATER & SEWER LINES SHOWN ON THIS PLAN TAKE FROM DESIGN FILES AND ACTUAL SURVEY WHERE POSSIBLE. MATERIALS ARE UNKNOWN HOWEVER, THEY ARE BELIEVE TO BE STANDARD MATERIAL TYPES SUCH AS DIP, PVC, OR ACP.
5. THE ENGINEER UNDERSTANDS THE SURVEY INFORMATION PROVIDED TO MEET THE FOLLOWING CRITERIA:
   - THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL EASEMENTS OF RECORD AFFECTING SAME. PROPERTY BOUNDARY SHOWN BASED PER MAPS AND DEEDS OF RECORD ONLY.
   - NO TITLE SEARCH HAS BEEN PERFORMED BY THIS FIRM DURING THE COURSE OF THIS SURVEY.
   - THIS SURVEYOR DOES NOT CERTIFY TO THE EXISTENCE OR NON-EXISTENCE OF ANY UNDER GROUND UTILITIES THAT MAY OR MAY NOT BE PRESENT ON THIS SITE.
   - HORIZONTAL DATUM = NAD83, VERTICAL DATUM = NAVD88
4. THERE ARE NO KNOWN STREAMS OR STREAM BUFFERS ON THE SUBJECT PROPERTY.

DEMO LEGEND:

- UTILITY DEMOLITION
- CONCRETE SIDEWALK REMOVAL
- STRUCTURES TO BE REMOVED

SURVEY LEGEND:

○	IPF	IRON PIPE FOUND
●	IPS	IRON PIPE SET
□	CMF	CONCRETE MONUMENT FOUND
○	PKNF	PARKER-KALON NAIL FOUND
●	PNKS	PARKER-KALON NAIL SET
●	RRS	RAILROAD SPIKE
△	CC	CONTROL CORNER
	SFWC	SET FLUSH WITH CAP
	CI	CURB INLET
	R/W	RIGHT OF WAY
	S.F.	SQUARE FEET
	AC	ACRE
	DB	DEED BOOK
	PB	PLAT BOOK
	BB	BOTTOM OF BANK
	TB	TOP OF BANK
	DI	DROP INLET
	PG	PAGE
	LP	LIGHT POLE
	WM	WATER METER
	WV	WATER VALVE
	MH	MANHOLE
	EP	EDGE OF PAVEMENT
	BC	BACK OF CURB
	CO	CLEANOUT
	LP	LIGHT POLE
	CB	CATCH BASIN
	YI	YARD INLET
	RCP	REINFORCED CONC. PIPE
	MBSL	SETBACK LINE
	HYD	FIRE HYDRANT
	FDC	FIRE DEPT. CONNECTION
	FES	FLARED END SECTION
	HC	HANDICAP PARKING SPACE
	ELEC	ELECTRICAL BOX
	PIV	POST INDICATOR VALVE
	BPV	BACKFLOW PREVENTER VALVE
	OFP	OUTLET FIRE PROTECTION
	TELE	TELEPHONE PEDESTAL
	CATV	CABLE TV
	P/P	POWER POLE
	FO	FIBER OPTIC
(8)		REGULAR PARKING SPACES
		LINES NOT SURVEYED



Surveyor:

True Line Surveying, P.C.
205 West Main Street
Clayton, NC 27520
919.359.0427 (o)
Contact: Curk Lane, PLS

SCALE: 1 IN = 20 FT

20' 10' 0 20' 40'

SCALE IN FEET
HORIZONTAL

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document
Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL NOT AFFIXED AS ENGINEER DOES NOT DESIGN INFORMATION PROVIDED BY OTHERS

CURK B. MATTHEWS 12/13/24

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE:
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
EXISTING CONDITIONS & DEMOLITION

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0249
F (919) 552-2043
NC LIC. NO. P-0799
Curry ENGINEERING

C-2.0

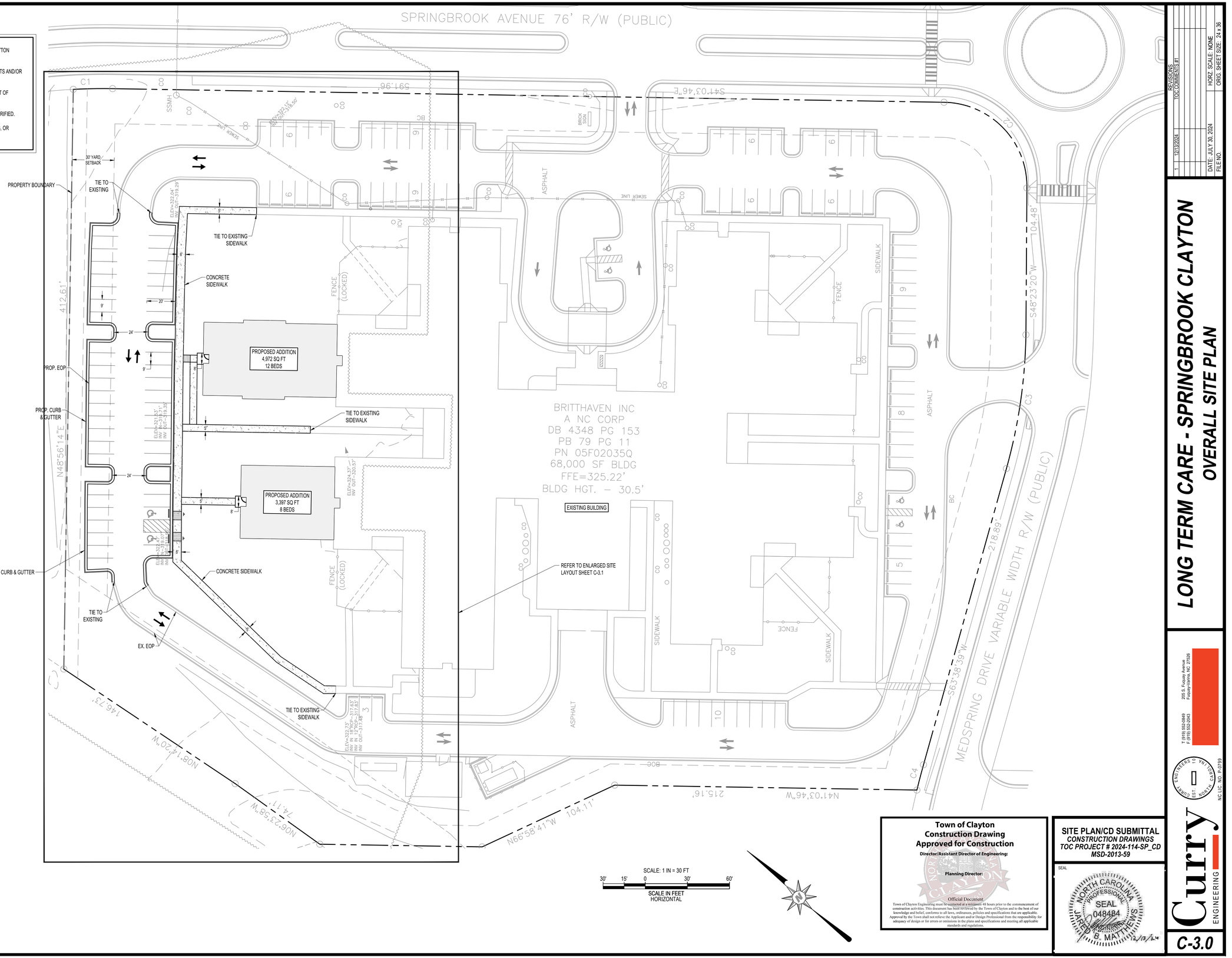
Z:\PROJECTS FOLDER\ZEBULON\2024\2024171 LONG TERM CARE - SPRINGBROOK - CLAYTON\ANS\SITE PLAN\SHEET FILES\C-2.0 EXISTING CONDITIONS & DEMOLITION.DWG

SITE NOTES:

1. ALL CONSTRUCTION MUST BE PERFORMED IN ACCORDANCE WITH TOWN OF CLAYTON STANDARD SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION FEES REQUIRED TO CARRY OUT THE WORK.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL GRADES PRIOR TO THE START OF CONSTRUCTION.
4. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
5. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, FACE OF BUILDING, OR PROPERTY LINE UNLESS SHOWN OTHERWISE.

SITE LEGEND:

- STREET LIGHT
- SIGN
- LOT LINE
- RIGHT OF WAY LINE
- SETBACK LINE
- STANDARD CURB & GUTTER



SCALE: 1 IN = 30 FT

30' 15' 0 30' 60'

SCALE IN FEET
HORIZONTAL

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

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SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER JARED B. MATTHEWS 12/13/24

NO.	DATE	REVISIONS
1	12/13/2024	TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
OVERALL SITE PLAN

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-6848
F (919) 552-2643
NC LIC. NO. P-0789
Curry ENGINEERING

C-3.0

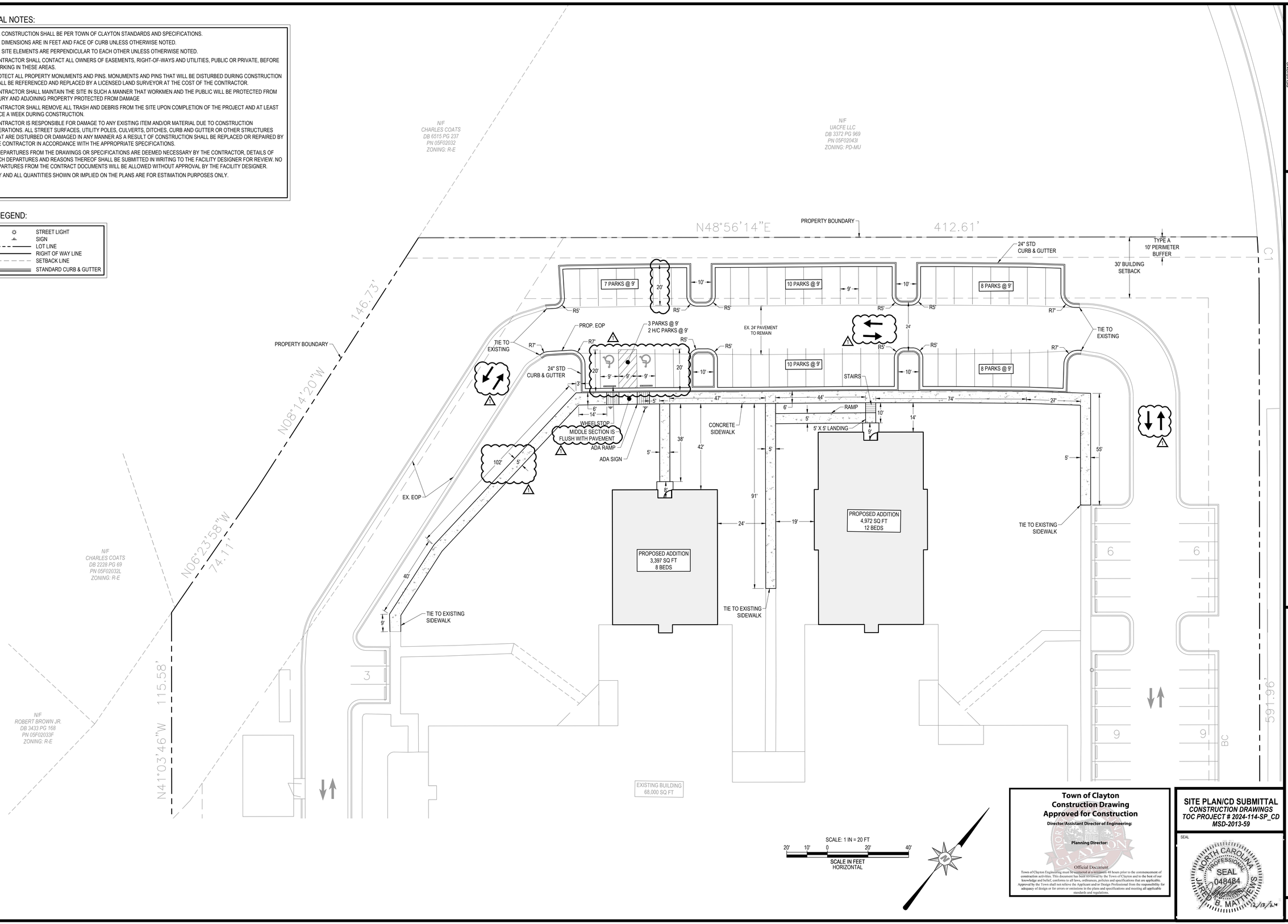
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PLOTTED: 12/13/2024 9:53 AM

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE PER TOWN OF CLAYTON STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE IN FEET AND FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL SITE ELEMENTS ARE PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, RIGHT-OF-WAYS AND UTILITIES, PUBLIC OR PRIVATE, BEFORE WORKING IN THESE AREAS.
5. PROTECT ALL PROPERTY MONUMENTS AND PINS. MONUMENTS AND PINS THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE REFERENCED AND REPLACED BY A LICENSED LAND SURVEYOR AT THE COST OF THE CONTRACTOR.
6. CONTRACTOR SHALL MAINTAIN THE SITE IN SUCH A MANNER THAT WORKMEN AND THE PUBLIC WILL BE PROTECTED FROM INJURY AND ADJOINING PROPERTY PROTECTED FROM DAMAGE
7. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL DUE TO CONSTRUCTION OPERATIONS. ALL STREET SURFACES, UTILITY POLES, CULVERTS, DITCHES, CURB AND GUTTER OR OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROPRIATE SPECIFICATIONS.
9. IF DEPARTURES FROM THE DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED IN WRITING TO THE FACILITY DESIGNER FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS WILL BE ALLOWED WITHOUT APPROVAL BY THE FACILITY DESIGNER.
10. ANY AND ALL QUANTITIES SHOWN OR IMPLIED ON THE PLANS ARE FOR ESTIMATION PURPOSES ONLY.

SITE LEGEND:

- STREET LIGHT
- SIGN
- LOT LINE
- RIGHT OF WAY LINE
- SETBACK LINE
- STANDARD CURB & GUTTER



Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

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SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

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NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER JARED B. MATTHEWS 12/13/24

REVISIONS
1 12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
SITE PLAN

205 S. Fayetteville Avenue
Fuquay-Varina, NC 27526
T (919) 552-0049
F (919) 552-2043
NC LIC. NO. P-0799
Curry ENGINEERING

C-3.1

Z:\PROJECTS FOLDER-JERILYN\2024\2024-071 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\C-2.1 SITE PLAN.DWG
PLOTTED: 12/13/2024 9:33 AM

GENERAL NOTES:

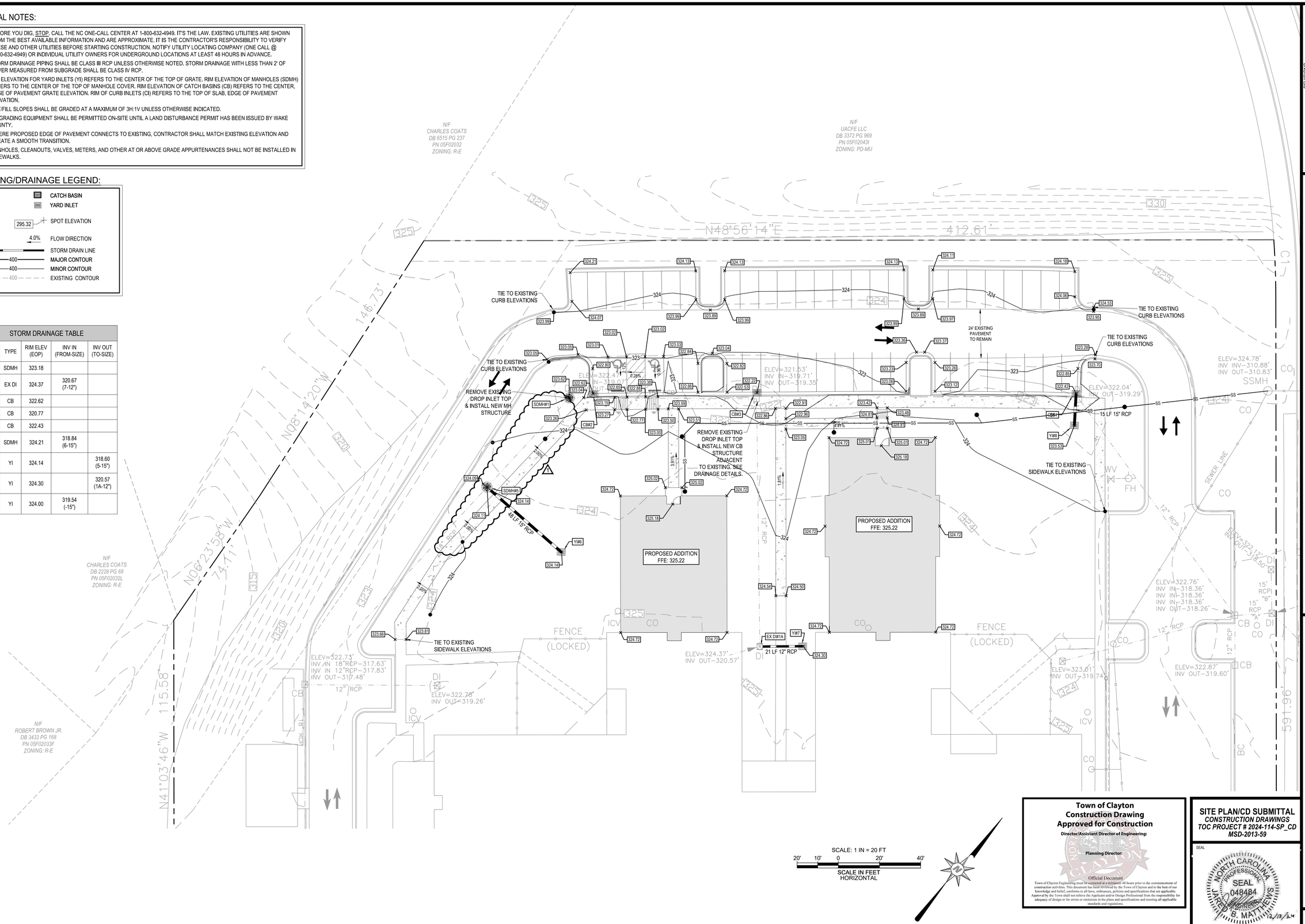
1. BEFORE YOU DIG, STOP, CALL THE NC ONE-CALL CENTER AT 1-800-632-4949. IT'S THE LAW. EXISTING UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE AND OTHER UTILITIES BEFORE STARTING CONSTRUCTION. NOTIFY UTILITY LOCATING COMPANY (ONE CALL @ 1-800-632-4949) OR INDIVIDUAL UTILITY OWNERS FOR UNDERGROUND LOCATIONS AT LEAST 48 HOURS IN ADVANCE.
2. STORM DRAINAGE PIPING SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED. STORM DRAINAGE WITH LESS THAN 2' OF COVER MEASURED FROM SUBGRADE SHALL BE CLASS IV RCP.
3. RIM ELEVATION FOR YARD INLETS (YI) REFERS TO THE CENTER OF THE TOP OF GRATE. RIM ELEVATION OF MANHOLES (SDMH) REFERS TO THE CENTER OF THE TOP OF MANHOLE COVER. RIM ELEVATION OF CATCH BASINS (CB) REFERS TO THE CENTER, EDGE OF PAVEMENT GRATE ELEVATION. RIM OF CURB INLETS (CI) REFERS TO THE TOP OF SLAB, EDGE OF PAVEMENT ELEVATION.
4. CUT/FILL SLOPES SHALL BE GRADED AT A MAXIMUM OF 3H:1V UNLESS OTHERWISE INDICATED.
5. NO GRADING EQUIPMENT SHALL BE PERMITTED ON-SITE UNTIL A LAND DISTURBANCE PERMIT HAS BEEN ISSUED BY WAKE COUNTY.
6. WHERE PROPOSED EDGE OF PAVEMENT CONNECTS TO EXISTING, CONTRACTOR SHALL MATCH EXISTING ELEVATION AND CREATE A SMOOTH TRANSITION.
7. MANHOLES, CLEANOUTS, VALVES, METERS, AND OTHER AT OR ABOVE GRADE APPURTENANCES SHALL NOT BE INSTALLED IN SIDEWALKS.

GRADING/DRAINAGE LEGEND:

- CATCH BASIN
- YARD INLET
- 295.32 — SPOT ELEVATION
- 4.0% — FLOW DIRECTION
- STORM DRAIN LINE
- 400 — MAJOR CONTOUR
- 400 — MINOR CONTOUR
- 400 — EXISTING CONTOUR

STORM DRAINAGE TABLE

INLET#	TYPE	RIM ELEV (EOP)	INV IN (FROM-SIZE)	INV OUT (TO-SIZE)
1	SDMH	323.18		
1A	EX DI	324.37	320.67 (7-12")	
2	CB	322.62		
3	CB	320.77		
4	CB	322.43		
5	SDMH	324.21	318.84 (6-15")	
6	YI	324.14		318.60 (5-15")
7	YI	324.30		320.57 (1A-12")
8	YI	324.00	319.54 (-15")	



SCALE: 1 IN = 20 FT

20' 10' 0 20' 40'

SCALE IN FEET HORIZONTAL

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

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SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER B. MATTHEWS 12/13/24

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
GRADING & DRAINAGE PLAN

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0849
F (919) 552-2043
ENGINEERS OF COURT EST. NORTH CAROLINA
NC LIC. NO. P-0789
Curry ENGINEERING

C-4.0

Z:\PROJECTS FOLDER-ZEBU\JON\2024\2024-117 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\C-3.0 GRADING & DRAINAGE PLAN.DWG
PLOTTED: 12/13/2024 10:54 AM

UTILITY NOTES:

1. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL UTILITY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH TOWN OF CLAYTON STANDARD SPECIFICATIONS AND DETAILS IN EFFECT AT TIME OF PERMITTING.
3. THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL LOCATION OF UTILITIES TO AVOID CONFLICTS AND MEET MINIMUM SIZE, SLOPE, AND CODE REQUIREMENTS.
4. NO CHANGES TO ANY ASPECT OF THIS PLAN WILL BE MADE WITHOUT APPROVAL OF THE ENGINEER AND TOWN OF CLAYTON PLANNING DEPARTMENT.
5. CONTRACTOR SHALL ADJUST ALL CLEANOUTS, VALVE BOXES, MANHOLES, ETC. TO THE FINISHED GRADES ESTABLISHED BY THIS PROJECT.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY PIPE SIZE AND MATERIAL ADAPTERS FOR CONNECTION FROM SITE UTILITY PIPING TO BUILDING SERVICE PIPING. CONTRACTOR SHALL PROVIDE ALL REDUCERS NEEDED WHEN CHANGING PIPE SIZES. A SEWER SERVICE LINE SHALL BE A MINIMUM 6" AT 2ND BUILDING SERVICE CONNECTION.
8. ALL SEWER CONNECTIONS SHALL BE SWEEPING TEES OR WYES WITH CLEANOUTS.
9. ALL METERS, BFP's, PIV, FDC CONNECTION, AND VALVES ARE TO ADHERE TO TOWN OF CLAYTON STANDARDS.
10. ELECTRICAL POWER TO THE BUILDING IS TO BE SUPPLIED BY DUKE ENERGY.
11. ALL WATER LINES ARE TO HAVE MINIMUM 48" COVER.
12. ALL U/G ELECTRICAL CONDUITS ARE TO HAVE MIMIMUM 24" COVER. GAS, TELEPHONE AND CABLE LINES SHALL HAVE MINIMUM COVER AS DETERMINED BY SERVICE COMPANY.
13. CLEANOUTS ARE REQUIRED ON ALL SERVICES WITH A MAXIMUM SPACING OF 75 FEET ON 4-INCH SERVICES AND 100 FEET ON 6-INCH SERVICES, AND AT THE ROW LINE OR EDGE OF EASEMENT. ALL CLEANOUTS SHALL BE FLUSH WITH FINISHED GRADE WITH AN INVERTED BRASS CAP.
14. REFER TO BUILDING PLANS FOR EXACT LOCATION OF WHERE UTILITIES ENTER THE BUILDING.
15. THERE SHALL BE AT MINIMUM 24" VERTICAL SEPARATION BETWEEN WATER & SANITARY SEWER. THERE SHALL BE AT MINIMUM 24" VERTICAL SEPARATION BETWEEN WATER & STORM SEWER (OR ROOF DRAINS) AND BETWEEN SANITARY SEWER & STORM DRAINAGE (OR ROOF DRAINS). IN BOTH SITUATIONS IT IS PREFERRED THAT THE UTILITY CROSSES ABOVE THE SANITARY SEWER. IF THE MINIMUM SEPARATION CANNOT BE MAINTAINED OR IF THE UTILITY HAS BE LAID BENEATH THE SANITARY SEWER, THE SANITARY SEWER WILL BE DUCTILE IRON PIPE.
16. ALL PROPOSED UTILITIES LINES MUST BE UNDER GROUND
17. NOTE THAT IF ANY ACCESSORY UNITS ARE VISIBLE FROM THE RIGHT-OF-WAY, ADDITIONAL SCREENING WILL BE REQUIRED THAT WILL DELAY ISSUANCE OF A CERTIFICATE OF OCCUPANCY UNTIL SUCH SCREENING IS INSTALLED AND ACCEPTED BY THE TOWN.
18. ALL SEWER CLEANOUTS IN PAVEMENT AREAS SHALL BE TRAFFIC-RATED.
19. PERMANENT MARKERS SHALL BE INSTALLED WHERE THE WATER SERVICE CHANGES DIRECTION, IN COMPLIANCE WITH TOWN SPECIFICATIONS.

UTILITY LEGEND:

- SANITARY CLEANOUT / SERVICE
- SANITARY MANHOLE
- CATCH BASIN
- YARD INLET
- SANITARY SEWER LINE (SS)
- STORM DRAIN LINE

N/F
CHARLES COATS
DB 6515 PG 237
PN 05F02032
ZONING: R-E

N/F
UACFE LLC
DB 3372 PG 969
PN 05F02043I
ZONING: PD-MU

N48°56'14"E 412.61'

N08°14'20"W 146.73'

N06°23'58"W 74.11'

N41°03'46"W 115.58'

N/F
CHARLES COATS
DB 2228 PG 69
PN 05F02032L
ZONING: R-E

N/F
ROBERT BROWN JR.
DB 3433 PG 168
PN 05F02033F
ZONING: R-E

591.96'

26 LF OF 4" PVC (MINIMUM 2% SLOPE) 1

75 LF OF 4" PVC (MINIMUM 2% SLOPE) 1

71 LF OF 4" PVC (MINIMUM 2% SLOPE) 1

70 LF OF 4" PVC (MINIMUM 2% SLOPE) 1

70 LF OF 4" PVC (MINIMUM 2% SLOPE) 1
ELEV=324.78
INV IN=310.88'
INV OUT=310.83'

PROP. CLEANOUT

CONNECT PROPOSED 4" PVC TO EX. SANITARY SEWER LINE 1

PROPOSED ADDITION
FFE: 325.22

PROPOSED ADDITION
FFE: 325.22

ABANDON C/O LOCATIONS AND EXTEND SEWER THROUGH EXPANSION TO NEW LOCATIONS 1

ELEV=322.78'
INV OUT=319.26'

ELEV=322.76'
INV IN=318.36'
INV IN=318.36'
INV IN=318.36'
INV OUT=318.26'

ELEV=323.01'
INV OUT=319.74'

ELEV=322.87'
INV OUT=319.60'

ELEV=322.12'
INV OUT=318.50'

SEWER LINE

SCALE: 1 IN = 20 FT
20' 10' 0 20' 40'
SCALE IN FEET
HORIZONTAL

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

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SITE PLAN/CD SUBMITTAL
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MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER JARED B. MATHEWS
12/13/24

REVISIONS
1 12/13/2024 TOC COMMENTS #1

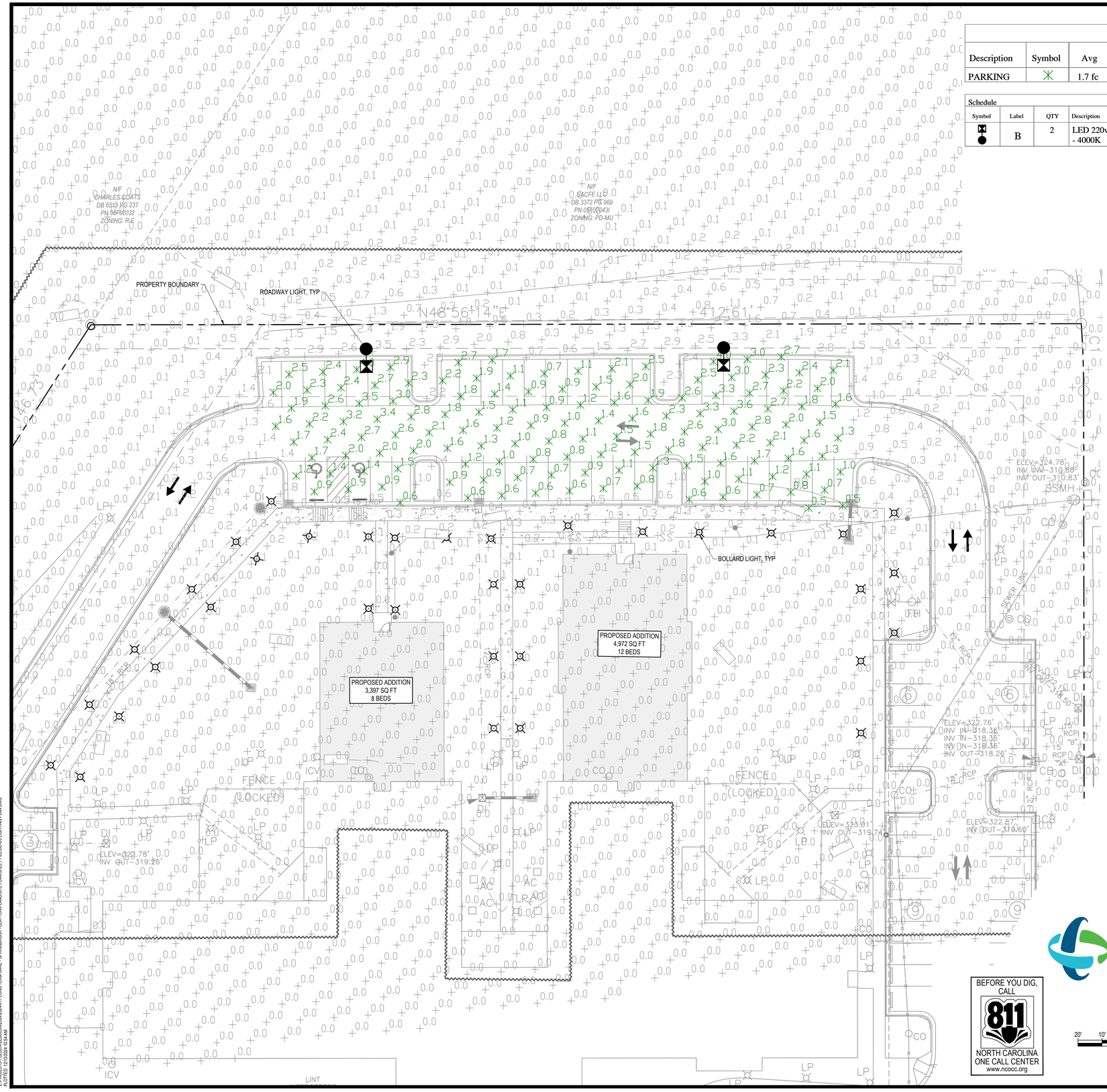
DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
UTILITY PLAN

Curry ENGINEERING
205 S. Fayetteville Avenue
Fuquay-Varina, NC 27526
T (919) 552-0649
F (919) 552-2643
NC LIC. NO. P-0798

C-5.0

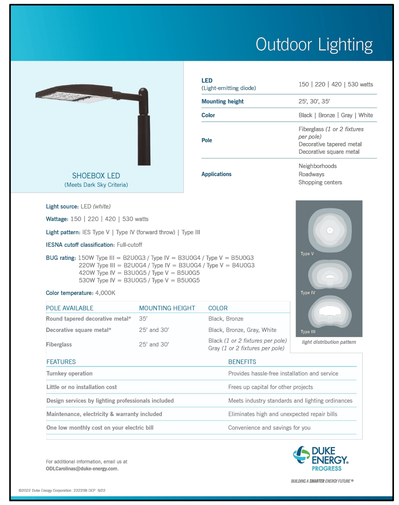
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PLOTTED: 12/13/2024 9:54 AM



Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING		1.7 fc	4.0 fc	0.5 fc	8.0:1	3.4:1

Schedule

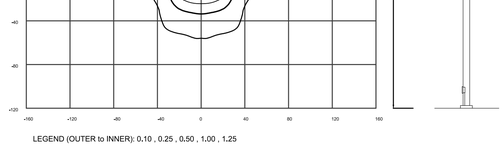
Symbol	Label	QTY	Description	Number Lamps	Lamp Output	LLF
	B	2	LED 220w Shoebox - Type IV - - 4000K	64	381	0.85



ISOFOOTCANDLE CURVES

FIXTURE: LED 220W SHOEBOX
MOUNTING HEIGHT: 25 FT
LIGHT SOURCE: LED'S, 4000K, 70 CRI
LUMENS - 24391
PATTERN: TYPE IV, B3-U0-G4 (zero light at or above 90 degrees)

ASSY# LFIX-SBX-LED-205-BLK-IV-MULTIV-___-P (BLACK)
POLE ASSY# LPOLE-AB-STL-25FT-BLK-SQ___-P (BLACK)
BRACKET ASSY# LBKT-SIDE-12IN-BLK-UNV-STL-___-P (BLACK)



LEGEND (OUTER to INNER): 0.10 , 0.25 , 0.50 , 1.00 , 1.25

LIGHTING DESIGN TOLERANCE

The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this design may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will also affect results.

PROPRIETARY & CONFIDENTIAL

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BEFORE YOU DIG, CALL 811
NORTH CAROLINA ONE CALL CENTER
www.ncocc.org

DUKE ENERGY® PROGRESS

SCALE: 1 IN = 20 FT
20' 10' 0 20' 40'
SCALE IN FEET HORIZONTAL

Town of Clayton
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Approved for Construction
Director/Assistant Director of Engineering:
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SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 048484 REGISTERED BRANDON B. MATHEWS
I HEREBY CERTIFY THAT THE ENGINEERING DESIGN AND PLANS SHOWN AND DESCRIBED HEREIN ARE IN COMPLIANCE WITH THE TOWN OF CLAYTON'S ENGINEERING STANDARDS AND SPECIFICATIONS. 12/13/24

NO.	DATE	REVISIONS
1	12/13/2024	TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.
HORZ. SCALE: 1" = 30'
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
LIGHTING PLAN

205 S. Fayetteville Avenue
Fuquay-Varina, NC 27526
T (919) 552-0649
F (919) 552-2043
NC LIC. NO. P-0799
Curry ENGINEERING

C-6.0

Z:\PROJECTS FOLDER ZERO\JN\2024\2024-071 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLANS\SHEET FILES\C-6.0 LIGHTING PLAN.DWG
PLOTTED: 12/13/2024 9:54 AM

LANDSCAPING NOTES:

1. ALL TREES SHALL BE MIN. 10' TALL AND 2.5" CALIPER AT TIME OF PLANTING.
2. LANDSCAPING SHALL COMPLY WITH THE TOWN OF CLAYTON LANDSCAPING ORDINANCE AS SPECIFIED IN CHAPTER 6, SUBSECTION 6.6.11 OFF-STREET PARKING LOT LANDSCAPING, WHICH REQUIRES 1 SHADE TREE FOR EVERY 12 PARKING SPACES. EACH TREE MUST BE NO MORE THAN 60' APART.
3. THIS SITE SHALL COMPLY WITH TOWN OF CLAYTON UDO SECTION 6.6.12 PERIMETER BUFFER TABLE 6.6.12.G BUFFER APPLICATION, WHICH REQUIRES A TYPE A BUFFER.
4. ALL DENUDED AREAS NOT SHOWN TO HAVE MULCH GROUND COVER SHALL BE SEEDED WITH PERMANENT SEEDING IN ACCORDANCE WITH TOWN OF CLAYTON STANDARDS AND SPECIFICATIONS.
5. PLANT TREES WITH A MINIMUM CALIPER OF TWO & ONE HALF INCHES MEASURED SIX INCHES ABOVE THE GROUND AND A ROOT BALL NO SMALLER THAN TWO FEET IN DIAMETER AND 16 INCHES IN DEPTH.
6. THE BEST TIMES FOR PLANTING ARE EARLY SPRING AND EARLY FALL. TREES PLANTED IN THE SUMMER RUN THE RISK OF DEHYDRATION.
7. PLANT ALL TREES AT LEAST THREE-AND-A-HALF FEET FROM THE END OF HEAD-IN PARKING SPACES IN ORDER TO PREVENT DAMAGE FROM CAR OVERHANGS.
8. DIG THE TREE PIT AT LEAST TWO FOOT WIDER THAN THE ROOT BALL AND AT LEAST SIX INCHES DEEPER THAN THE BALL VERTICAL DIMENSION.
9. ESPECIALLY IN AREAS WHERE CONSTRUCTION ACTIVITY HAS COMPACTED THE SOIL, THE BOTTOM OF THE PIT SHOULD BE SCARIFIED OR LOOSENED WITH A PICK AX OR SHOVEL.
10. AFTER THE PIT IS DUG, OBSERVE SUB-SURFACE DRAINAGE CONDITIONS. WHERE POOR DRAINAGE EXISTS, THE TREE PIT SHOULD BE DUG AT LEAST AN ADDITIONAL TWELVE INCHES WIDER AND THE SOIL AMENDED TO ALLOW PROPER ROOT GROWTH.
11. BACKFILL SHOULD INCLUDE A PROPER MIX OF SOIL AND FERTILIZER. ALL ROOTS MUST BE COMPLETELY COVERED. BACKFILL SHOULD BE THOROUGHLY WATERED AS IT IS PLACED AROUND THE ROOTS.
12. IMMEDIATELY AFTER IT IS PLANTED, THE TREE SHOULD BE SUPPORTED WITH STAKES AND STRAPS TO FIRMLY HOLD IT IN PLACE AS ITS ROOT SYSTEM BEGINS TO DEVELOP. REMOVE STAKES AND TIES AFTER ONE YEAR.
13. SPREAD AT LEAST THREE INCHES OF MULCH OVER THE ENTIRE EXCAVATION IN ORDER TO RETAIN MOISTURE AND KEEP DOWN DUST
14. AN ADDITIONAL THREE-INCH SAUCER AND MULCH SHOULD BE PROVIDED TO FORM A BASIN AROUND THE TRUNK OF THE TREE. THIS SAUCER HELPS CATCH AND RETAIN MOISTURE.
15. CONSCIENTIOUS POST-PLANTING CARE, ESPECIALLY WATERING, PRUNING AND FERTILIZING, IS A MUST FOR STREET AND PARKING LOT TREES. PRUNE OFF BROKEN OR DAMAGED BRANCHES.
16. ALL DISTURBED AREAS NOT IDENTIFIED FOR PLANTINGS AND MULCH SHALL BE SEEDED. SEE DETAIL SHEETS FOR REQUIREMENTS.

LANDSAPE LEGEND:

RED MAPLE (ARF)

LANDSCAPE CALCULATIONS

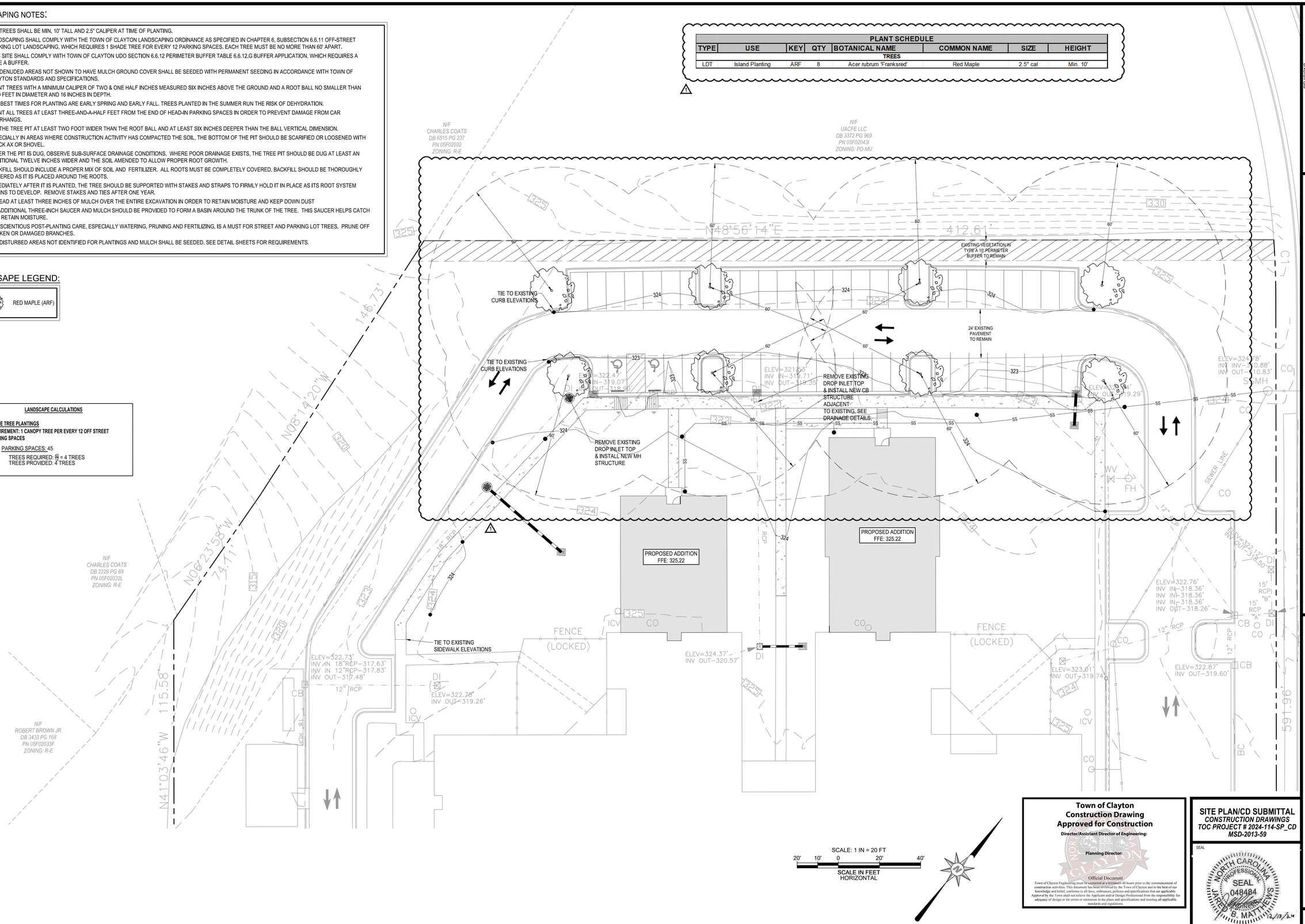
SHADE TREE PLANTINGS
REQUIREMENT: 1 CANOPY TREE PER EVERY 12 OFF STREET PARKING SPACES

PARKING SPACES: 45

TREES REQUIRED: $\frac{45}{12}$ = 4 TREES
TREES PROVIDED: 4 TREES

PLANT SCHEDULE

TYPE	USE	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT
TREES							
LDT	Island Planting	ARF	8	Acer rubrum 'Franksred'	Red Maple	2.5" cal	Min. 10'



SCALE: 1 IN = 20 FT

20' 10' 0 20' 40'

SCALE IN FEET
HORIZONTAL

Town of Clayton
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NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER B. MATTHEWS 12/13/24

REVISIONS
1 12/13/2024 TOC COMMENTS #1

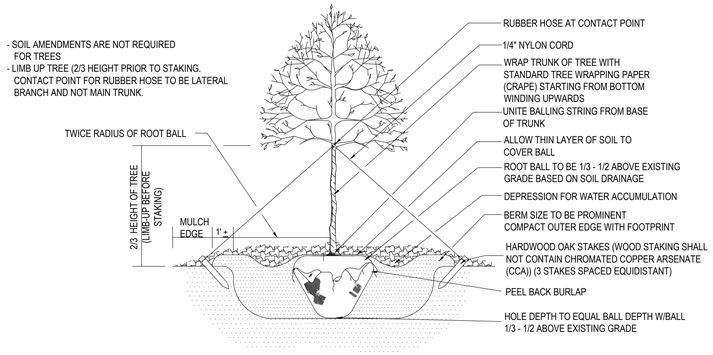
DATE: JULY 30, 2024
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LONG TERM CARE - SPRINGBROOK CLAYTON
LANDSCAPE PLAN

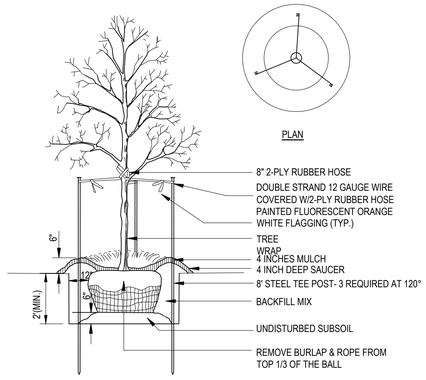
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ENGINEERS OF COASTAL NORTH CAROLINA EST.
NC LIC. NO. P-0789
Curry ENGINEERING

L-1.0

Z:\PROJECTS FOLDER-ZEBU\LON\2024\2024-117 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\L-1.0 LANDSCAPE PLAN.DWG
PLOTTED: 12/13/2024 10:54 AM

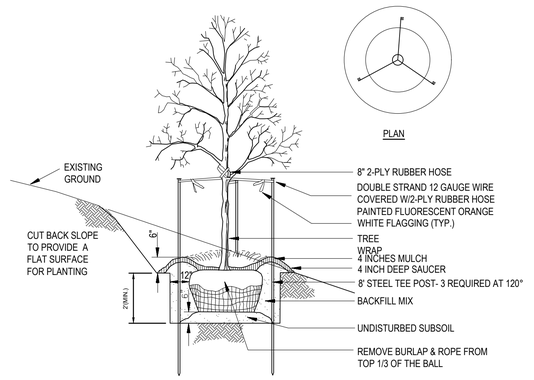


1 L-02 TREE STAKING & PLANTING DETAIL
SCALE: N.T.S



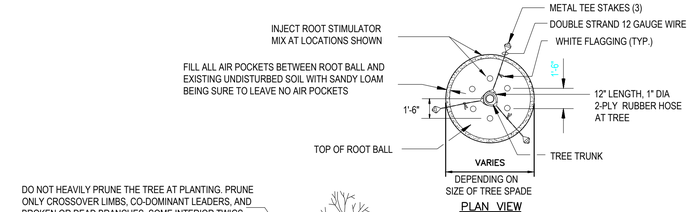
NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

2 L-02 TREE PLANTING
SCALE: N.T.S



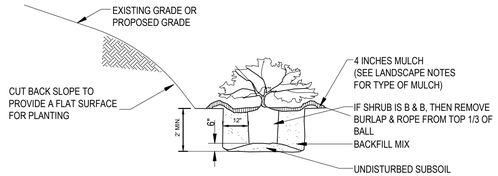
NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

3 L-02 TREE PLANTING ON SLOPE
SCALE: N.T.S

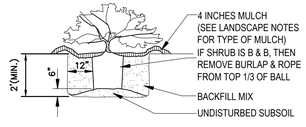


NOTE: PLANT TREE 2"-4" ABOVE GRADE

4 L-02 MACHINE DUG TREE PLANTING
SCALE: N.T.S



5 L-02 SHRUB PLANTING ON SLOPE
SCALE: N.T.S



6 L-02 SHRUB PLANTING
SCALE: N.T.S

NOTE:

1. PLANT TREES WITH A MINIMUM CALIPER OF TWO INCHES MEASURED SIX INCHES ABOVE THE GROUND AND A ROOT BALL NO SMALLER THAN TWO FEET IN DIAMETER AND 16 INCHES IN DEPTH.
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4. DIG THE TREE PIT AT LEAST TWO FOOT WIDER THAN THE ROOT BALL AND AT LEAST SIX INCHES DEEPER THAN THE BALL VERTICAL DIMENSION.
5. ESPECIALLY IN AREAS WHERE CONSTRUCTION ACTIVITY HAS COMPACTED THE SOIL, THE BOTTOM OF THE PIT SHOULD BE SCARIFIED OR LOOSENED WITH A PICK AX OR SHOVEL.
6. AFTER THE PIT IS DUG, OBSERVE SUB-SURFACE DRAINAGE CONDITIONS. WHERE POOR DRAINAGE EXISTS, THE TREE PIT SHOULD BE DUG AT LEAST AN ADDITIONAL TWELVE INCHES WIDER AND THE SOIL AMENDED TO ALLOW ROOTS GROW PROPERLY.
7. BACKFILL SHOULD INCLUDE A PROPER MIX OF SOIL AND FERTILIZER. ALL ROOTS MUST BE COMPLETELY COVERED.
8. BACKFILL SHOULD BE THOROUGHLY WATERED AS IT IS PLACED AROUND THE ROOTS.
9. IMMEDIATELY AFTER IT IS PLANTED, THE TREE SHOULD BE SUPPORTED WITH STAKES AND STRAPS TO FIRMLY HOLD IT IN PLACE AS ITS ROOT SYSTEM BEGINS TO DEVELOP. REMOVE STAKES AND TIES AFTER ONE YEAR.
10. SPREAD AT LEAST THREE INCHES OF MULCH OVER THE ENTIRE EXCAVATION IN ORDER TO RETAIN MOISTURE AND KEEP DOWN WEEDS. AN ADDITIONAL THREE-INCH SAUCER AND MULCH SHOULD BE PROVIDED TO FORM A BASIN AROUND THE TRUNK OF THE TREE. THIS SAUCER HELPS CATCH AND RETAIN MOISTURE.
11. CONSCIENTIOUS POST-PLANTING CARE, ESPECIALLY WATERING, PRUNING AND FERTILIZING, IS A MUST FOR STREET AND PARKING LOT TREES. PRUNE OFF BROKEN OR DAMAGED BRANCHES.

Town of Clayton
Construction Drawing
Approved for Construction
Director/Assistant Director of Engineering:
Planning Director:
Official Document
Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER
JARED B. MATTHEWS
12/13/24

REVISIONS
1 12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE:
ORIG. SHEET SIZE: 24 x 36

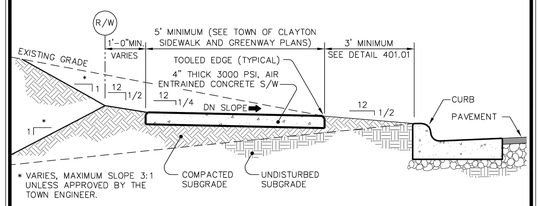
LONG TERM CARE - SPRINGBROOK CLAYTON
LANDSCAPE DETAILS

205 S. Fireside Avenue
Fuquay-Varina, NC 27526
T (919) 552-0649
F (919) 552-2043
CURRY ENGINEERING
NC LIC. NO. P-0789

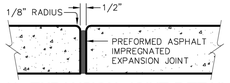
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PLOTTED: 12/13/2024 10:54 AM

Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 08/06/2010 – 10:30:47 AM



TYPICAL SIDEWALK with UTILITY STRIP



TYPICAL EXPANSION JOINT DETAIL

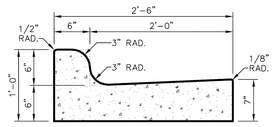
NOTES:

1. Provide 1" deep tooled traverse structural score joint with 1/8" radius at 5'-0" o.c.
2. 1/2" preformed asphalt impregnated expansion strip joints to be placed 40'-0" o.c. longitudinally, adjacent to curbs, when butting existing structures, concrete, or buildings, and at changes in width.

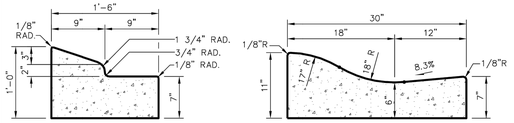
TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

TYPICAL CONCRETE SIDEWALK AND EXPANSION JOINT DETAIL	SCALE: Not To Scale	DETAIL # 404.03
	REVISION DATE: July, 2010	SHEET #: 1 of 1

Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 08/06/2010 – 9:22:06 AM

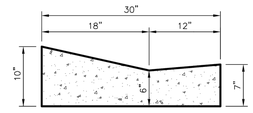


2'-6" CURB AND GUTTER

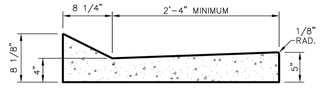


1'-6" CURB AND GUTTER

ROLL TYPE CURB AND GUTTER



VALLEY GUTTER

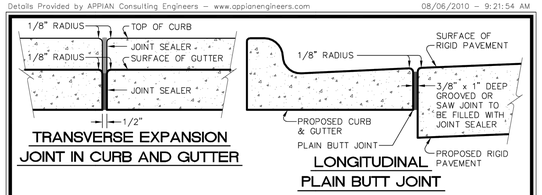


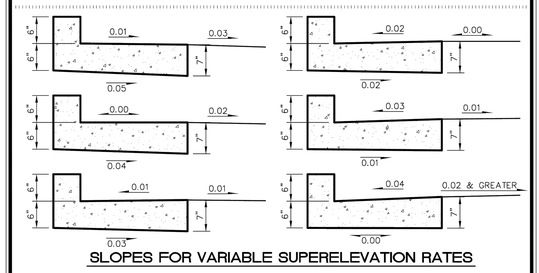
SHOULDER BERM GUTTER

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

CONCRETE CURB AND GUTTER SECTIONS	SCALE: Not To Scale	DETAIL # 402.01
	REVISION DATE: July, 2010	SHEET #: 1 of 2

Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 08/06/2010 – 9:21:54 AM





SLOPES FOR VARIABLE SUPERELEVATION RATES

NOTES:

1. Contraction joints shall be placed at 10' intervals, except that a 15' spacing may be used when a machine is used.
2. Joint spacing may be altered if required by the engineer
3. Contraction joints may be installed by the use of templates or formed by other approved methods. Where such joints are not formed by templates, a minimum depth of 1 1/2" shall be obtained.
4. All construction joints shall be filled with joint filler and sealer as directed by Town Engineer.
5. Expansion joints shall be spaced at 90' intervals, and adjacent to all rigid objects.
6. Concrete to be a minimum of 3,000 PSI @ 28 days, air entrained.
7. Spill sections will be approved on a case–by–case basis by Town Engineer.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

CONCRETE CURB AND GUTTER SECTIONS	SCALE: Not To Scale	DETAIL # 402.01
	REVISION DATE: July, 2010	SHEET #: 2 of 2



VEHICULAR PROTECTION BOLLARD LEGEND:

S15 — S15 BOLLARD RATED FOR 15 MPH:
McCUE 4" CRASHCORE BOLLARD WITH HDPE (PLASTIC) POST COVER, COLOR GRAY: ORDER NO. 15B-601-121

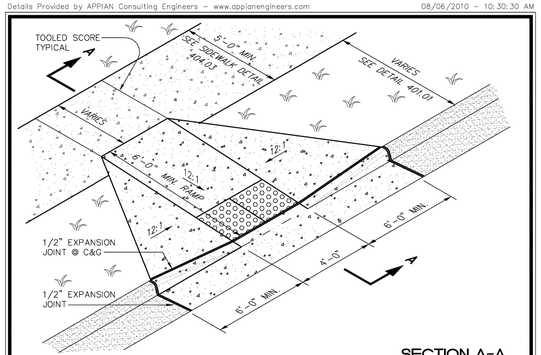
S20 — S20 BOLLARD RATED FOR 20 MPH:
McCUE 4" CRASHCORE BOLLARD WITH HDPE (PLASTIC) POST COVER, COLOR GRAY: ORDER NO. 2B-601-121

S20-S — S20 BOLLARD RATED FOR 20 MPH:
McCUE 4" CRASHCORE BOLLARD WITH HDPE (PLASTIC) POST COVER, COLOR GRAY, WITH CRASHCORE SIGN POST ADD-ON: ORDER NO. 2B-695-121-9S604.
(PROVIDE SIGN PLACARD PER PER CIVIL'S SPECIFICATIONS)

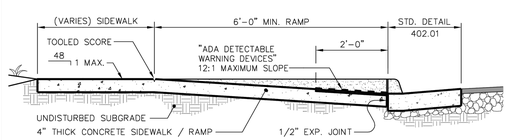
1 / D-1.0 CONCRETE BOLLARD
SCALENTS

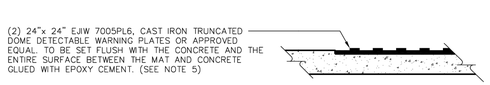
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Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 08/06/2010 – 10:30:30 AM



SECTION A-A
NOT TO SCALE





TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

TYPICAL WHEELCHAIR RAMP - TYPE I	SCALE: Not To Scale	DETAIL # 405.02
	REVISION DATE: July, 2010	SHEET #: 1 of 2

Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 08/06/2010 – 10:30:23 AM

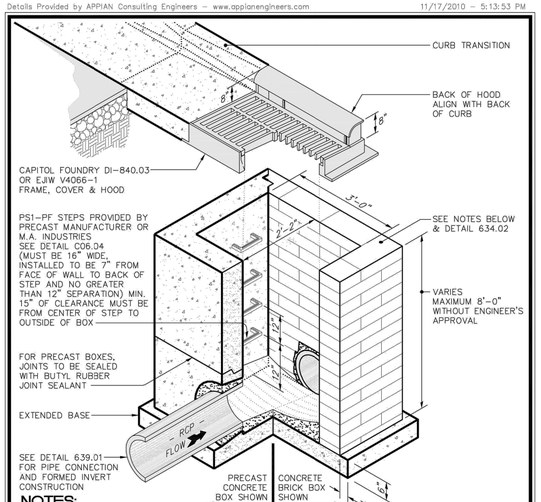
NOTES:

1. Detectable warnings shall contrast visually with adjoining surfaces, either light on dark or dark on light.
2. The material used to provide contrast shall be an integral part of the walking surface.
3. Dimensions assume sidewalk is parallel to street and perpendicular to curb.
4. Concrete shall be tinted battleship gray. Painted surface will not be acceptable.
5. Domes are not required for handicap ramps located in single family developments.
6. Handicap ramps are not required until such time as sidewalk is connected to return. Otherwise contractors are required to depress curb to the minimum dimensions shown for future ramp construction.
7. Single handicap ramps at the center of the return are not permitted.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

TYPICAL WHEELCHAIR RAMP - TYPE I	SCALE: Not To Scale	DETAIL # 405.02
	REVISION DATE: July, 2010	SHEET #: 2 of 2

Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 11/17/2010 – 5:13:53 PM



NOTES:

1. Use either concrete building brick – ASTM C55, grade N, type 1 or clay brick – ASTM C32, grade MS.
2. Mortar to be type M.
3. Concrete pipe to be class III
4. Precast boxes to conform to latest ASTM C–913
5. Precast boxes concrete strength to be a minimum 4,000 PSI at 28 days
6. See detail 634.02 for miscellaneous notes.
7. Top of precast box to be field adjusted using methods outlined in specifications.
8. This detail is a representation of the minimum standards for town of Clayton combination curb opening inlet & catch basin. Refer to NCDOT Std. Details 840.00, 840.01, 840.02, 840.03, 840.45, & 840.46 for additional details and requirements.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

TYPICAL CATCH BASIN AND CURB INLET WITH HOOD	SCALE: Not To Scale	DETAIL # 633.02
	REVISION DATE: July, 2010	SHEET #: 1 of 1

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 048484 R. B. MATTHEWS 12/13/24

REVISIONS
1 12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

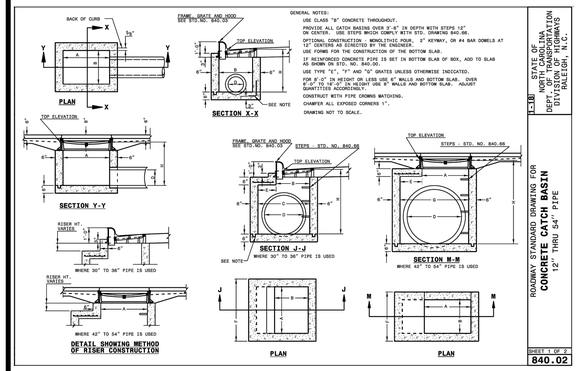
LONG TERM CARE - SPRINGBROOK CLAYTON
SITE DETAILS

205 S. Fayetteville Avenue
Fuquay-Varina, NC 27526
T (919) 552-6349
F (919) 552-2943
NC LIC. NO. P-0793

Curry ENGINEERING

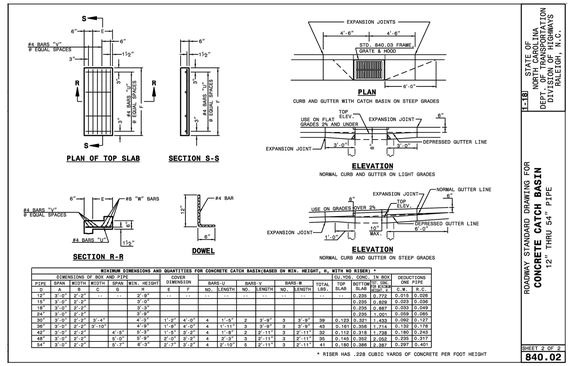
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GENERAL NOTES:
USE CLASS "B" CONCRETE THROUGHOUT.
PROVIDE ALL CATCH BASINS OVER 5'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
OPTIONAL CONSTRUCTION - MONOLITHIC POUR. 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
CONSTRUCT WITH PIPE CROWNS MATCHING.
CHAMFER ALL EXPOSED CORNERS ¾".
DRAWING NOT TO SCALE.

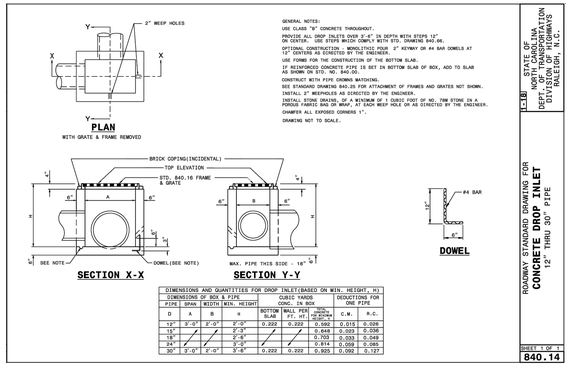
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE
SHEET 1 OF 2
840.02



MINIMUM DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN(BASED ON MIN. HEIGHT, H, WITH NO RISER) *																	
DIMENSIONS OF BOX AND PIPE						COVER DIMENSION		BARS-U		BARS-V		BARS-W		CU.YDS. CONC. IN BOX		DEDUCTIONS ONE PIPE	
PIPE	SPAN	WIDTH	WIDTH	H	SPAN	MIN. HEIGHT	E	F	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	TOTAL LBS.	TOP SLAB	BOTTOM SLAB	SIDE WALLS
12"	3'-0"	3'-0"			3'-0"	3'-0"										0.296	0.370	0.316	0.026
15"	3'-0"	3'-0"			3'-0"	3'-0"										0.296	0.409	0.323	0.026
18"	3'-0"	3'-0"			3'-0"	3'-0"										0.296	0.447	0.333	0.043
24"	3'-0"	3'-0"			3'-0"	3'-0"										0.296	1.001	0.059	0.060
30"	3'-0"	3'-0"	3'-4"		4'-0"	4'-0"	1'-8"	4'-0"	4	1'-5"	3	2'-5"	3	4'-8"	39	0.193	0.351	1.429	0.092	0.137
36"	3'-0"	3'-0"	3'-10"		4'-6"	4'-6"	1'-8"	4'-0"	4	1'-11"	3	3'-0"	3	5'-8"	45	0.161	0.358	1.714	0.130	0.179
42"	3'-0"	3'-0"		4'-5"	5'-0"	5'-0"	1'-8"	4'-0"	4	1'-8"	3	2'-11½"	3	2'-11½"	33	0.138	0.318	1.794	0.185	0.243
48"	3'-0"	3'-0"		5'-5"	5'-6"	5'-6"	2'-0"	5'-0"	4	2'-0"	3	2'-11½"	3	2'-11½"	35	0.146	0.352	2.052	0.239	0.317
54"	3'-0"	3'-0"		6'-5"	6'-0"	6'-0"	2'-0"	5'-0"	4	2'-0"	3	2'-11½"	3	2'-11½"	41	0.130	0.366	2.287	0.297	0.401

* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

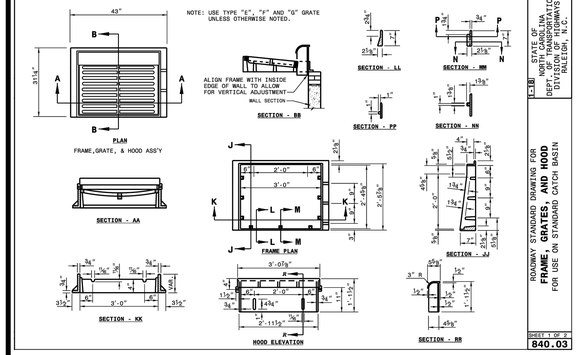
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE
SHEET 2 OF 2
840.02



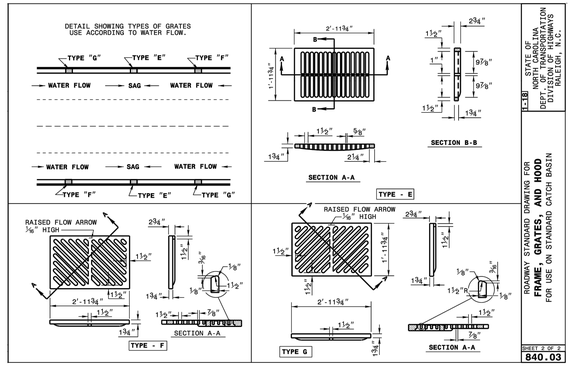
GENERAL NOTES:
USE CLASS "B" CONCRETE THROUGHOUT.
PROVIDE ALL DROP INLETS OVER 5'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
OPTIONAL CONSTRUCTION - MONOLITHIC POUR. 2" KEYWAY OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
CONSTRUCT WITH PIPE CROWNS MATCHING.
SEE STANDARD DRAWING 840.29 FOR ATTACHMENT OF FRAMES AND GRATES NOT SHOWN.
INSTALL ATTACHMENTS AS DIRECTED BY THE ENGINEER.
FOR 5'-0" IN HEIGHT OR LESS USE A MINIMUM OF 2 GUSSET KEYS OF NO. 7SW STONE IN A CONCRETE MASONRY UNIT WALL AT WEEP HOLE OR AS DIRECTED BY THE ENGINEER.
CHAMFER ALL EXPOSED CORNERS ¾".
DRAWING NOT TO SCALE.

DIMENSIONS AND QUANTITIES FOR DROP INLET(BASED ON MIN. HEIGHT, H)								
DIMENSIONS OF BOX & PIPE				CUBIC YARDS CONC. IN BOX			DEDUCTIONS FOR ONE PIPE	
PIPE	SPAN	WIDTH	WIDTH	H	BOTTOM SLAB	WALL PER FT. OF H	TOP SLAB REMOVABLE SECTION	C.Y.	R.C.
12"	3'-0"	3'-0"		2'-0"	0.222	0.222	0.592	0.015	0.026
15"	3'-0"	3'-0"		2'-3"			0.703	0.023	0.026
18"	3'-0"	3'-0"		2'-6"			0.703	0.034	0.043
24"	3'-0"	3'-0"		3'-0"			0.814	0.059	0.060
30"	3'-0"	3'-0"		3'-6"	0.222	0.222	0.925	0.092	0.137

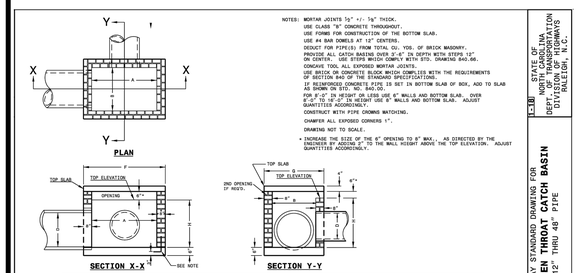
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
CONCRETE DROP INLET
12" THRU 30" PIPE
SHEET 1 OF 1
840.14



STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN
SHEET 1 OF 3
840.03



STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN
SHEET 2 OF 3
840.03

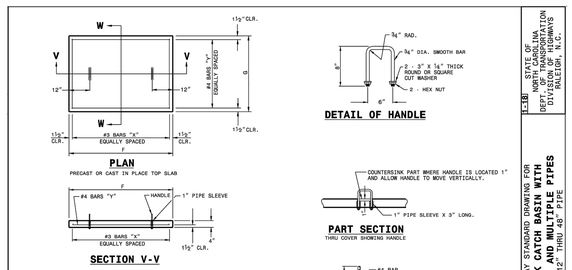


NOTES: MORTAR JOINTS ½" +/- ⅛" THICK.
USE CLASS "B" CONCRETE THROUGHOUT.
USE FORMS FOR CONSTRUCTION OF THE BOTTOM SLAB.
USE #4 BAR DOWELS AT 12" CENTERS.
DEDUCT FOR PIPE(S) FROM TOTAL CU. YDS. OF BRICK MASONRY.
PROVIDE ALL CATCH BASINS OVER 5'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
CONCAVE TOOL ALL EXPOSED MORTAR JOINTS.
BRICK OR CONCRETE BLOCK MASONRY COMPLIES WITH THE REQUIREMENTS OF SECTION 842 OF THE STANDARD SPECIFICATIONS.
IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
CONSTRUCT WITH PIPE CROWNS MATCHING.
CHAMFER ALL EXPOSED CORNERS ¾".
DRAWING NOT TO SCALE.
* INCREASE THE SIZE OF THE 8" OPENING TO 8" MAX., AS DIRECTED BY THE ENGINEER BY ADDING 4" TO THE WALL HEIGHT ABOVE THE TOP ELEVATION. ADJUST QUANTITIES ACCORDINGLY.

MIN. DIMENSIONS AND QUANTITIES FOR CATCH BASIN (BASED ON MIN. HEIGHT, H)															
DIM'S OF BOX & PIPE				REINFORCING				SLAB DIMENSIONS		CU. YDS. CONC. IN BOX		TOTAL BRICK MASONRY	DEDUCTION ONE PIPE	DEC. ONE PIPE OPENING	
PIPE	SPAN	WIDTH	HEIGHT	BARS - X		BARS - Y		TOTAL LBS.	F	G	TOP SLAB	BOT. SLAB	TOTAL	SQ.FT.	C.Y.
D	A	B	H	NO.	LENGTH	NO.	LENGTH								
12"	3'-6"	2'-3"	1'-10"	5	3'-4"	7	4'-3"	28	4'-10"	3'-7"	0.214	0.321	0.535	0.350	0.656
15"	3'-6"	2'-3"	2'-1"	5	3'-4"	7	4'-3"	28	4'-10"	3'-7"	0.214	0.321	0.535	0.350	0.744
18"	4'-0"	2'-8"	2'-4"	6	3'-9"	8	5'-1"	36	5'-4"	4'-0"	0.263	0.395	0.658	0.396	0.938
24"	4'-0"	2'-8"	2'-10"	6	3'-9"	8	5'-1"	36	5'-4"	4'-0"	0.263	0.395	0.658	0.395	1.138
30"	4'-6"	3'-6"	3'-4"	8	4'-7"	10	5'-1"	44	5'-4"	4'-10"	0.318	0.477	0.795	0.436	1.472
36"	4'-9"	4'-0"	3'-10"	8	5'-1"	11	5'-2"	52	5'-10"	5'-4"	0.384	0.576	0.960	0.485	1.879
42"	5'-0"	4'-6"	4'-4"	8	5'-7"	13	6'-1"	65	6'-4"	5'-10"	0.456	0.684	1.140	0.535	2.340
48"	5'-3"	5'-0"	4'-10"	8	6'-1"	14	6'-1"	71	6'-4"	6'-4"	0.495	0.743	1.238	0.599	2.725

DEDUCTION ONE PIPE	
C.Y.	R.C.
0.026	0.037
0.026	0.043
0.034	0.049
0.034	0.049
0.078	0.134
0.122	0.199
0.178	0.278
0.240	0.371
0.313	0.476

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
BRICK OPEN THROAT CATCH BASIN
12" THRU 48" PIPE
SHEET 1 OF 2
840.05



STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
1-18
ROADWAY STANDARD DRAWING FOR
BRICK CATCH BASIN WITH SINGLE AND MULTIPLE PIPES
12" THRU 48" PIPE
SHEET 2 OF 2
840.05

Details Provided by APPIAN Consulting Engineers - www.appianengineers.com 11/17/2010 - 5:13:45 PM



NCDOT 840.03 HOOD

NOTES:
1. See detail C06.01 for addition frame & cover detail.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY
STANDARD STORM DRAINAGE COVERS
SCALE: Not To Scale | REVISION DATE: July, 2010 | SHEET # 1 of 1

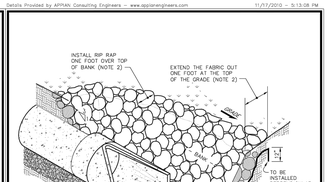
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Drainage Structures Notes:

Unless more stringent requirements are called for on referenced NCDOT standard details, the following shall apply:

1. Boxes may be reinforced masonry, masonry, precast concrete or cast-in-place reinforced concrete.
2. Any non-standard box (non-standard meaning not shown in this manual), is to be designed by a NC Professional Engineer and approved by the Town Engineer.
3. The maximum height of an un-reinforced masonry drainage structure with 8" walls shall be limited to 8'-0" from invert of the outlet pipe to the top of the casting. Depths greater than 8'-0" shall have walls 12" thick. Basins over 12' in total depth shall be designed by a NC Professional Engineer and approved by the Town Engineer. Four inch walls are not allowed on drainage structures. Bottom slab on structures shall be reinforced when box depth exceeds 8 ft.
4. Steps are to be provided on all basins deeper than 36".
5. Steps are to be PS1-PF as manufactured by M. A. Industries or an approved equal. Locate on non-pipe walls. Steps shall meet OSHA requirements.
6. Mortar in masonry boxes is to be type M.
7. Clay brick structures are not allowed.
8. Concrete pipe is to be minimum class III.
9. Concrete building brick is to meet ASTM C-55, Grade N, Type 1 and must be NCDOT standard.
10. All cast-in-place or precast concrete drainage structures located in paved areas accessible to truck loadings to be designed to meet AASHTO HS 20-44 loading. See manufacturers details for wall, top and bottom thickness.
11. Inside of boxes shall allow for 6" of clearance on both sides of pipe. The dimension shown on the structures in this manual are minimum dimensions. For boxes with greater dimensions, either corbel walls, add a reinforced concrete top slab or lengthen box by adding additional grates & frames. Top and bottom slabs to be designed by NC Professional Engineer and approved by the Town Engineer for H20 loading.
12. Maximum horizontal span of an 8" thick wall shall not exceed 8' for boxes of 8 feet or less in depth and 10 feet for boxes 12 feet or less in depth.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY
DRAINAGE STRUCTURES NOTES
SCALE: Not To Scale | REVISION DATE: July, 2010 | SHEET # 1 of 1



NOTES:
1. Initial course of rip rap to be laid in excavated bed at side slopes. Rip-rap is not to be laid on top of grade of side slopes.
2. Comply with NCDENR Land Quality minimum requirements.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY
END OF PIPE TREATMENTS
SCALE: Not To Scale | REVISION DATE: July, 2010 | SHEET # C-04.01

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER S. B. MATTHEWS
12/13/24

REVISIONS	
1	12/13/2024 COC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

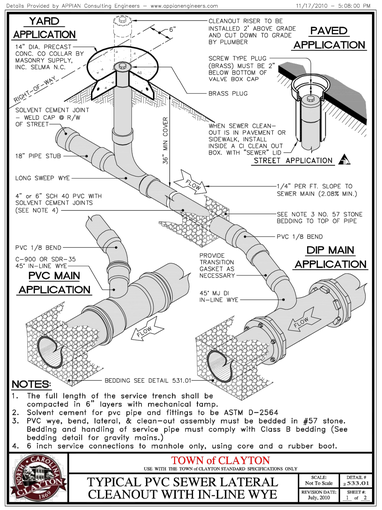
LONG TERM CARE - SPRINGBROOK CLAYTON
STORM DRAINAGE DETAILS

Curry ENGINEERING
205 S. Fayetty Avenue
Fuquay-Varina, NC 27526
T (919) 552-6849
F (919) 552-2943
NC LIC: NO. P-0799

D-1.1

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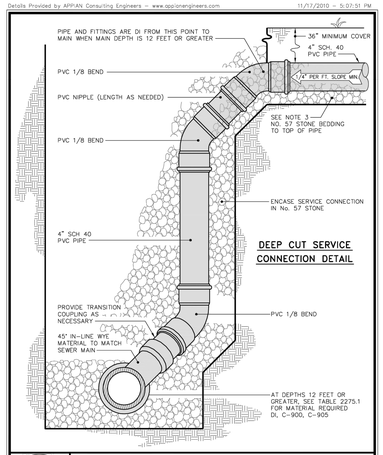


NOTES:
1. The full length of the service trench shall be compacted in 6" layers with mechanical tamp.
2. Solvent cement for pvc pipe and fittings to be ASTM D-2564
3. PVC wye, bend, lateral, & clean-out assembly must be bedded in #57 stone. Bedding and handling of service pipe must comply with Class B bedding (See bedding detail for gravity mains.)
4. 6 inch service connections to manhole only, using core and a rubber boot.

TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

TYPICAL PVC SEWER LATERAL CLEANOUT WITH IN-LINE WYE	SCALE: Not To Scale	DETAIL #: s.533.01
	REVISION DATE: July, 2010	SHEET #: 1 of 2

Details Provided by APPIAN Consulting Engineers – www.appianengineers.com 11/17/2010 – 5:07:51 PM



TOWN of CLAYTON
USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

TYPICAL PVC SEWER LATERAL CLEANOUT WITH IN-LINE WYE	SCALE: Not To Scale	DETAIL #: s.533.01
	REVISION DATE: July, 2010	SHEET #: 2 of 2

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

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SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER JARED B. MATTHEWS
12/13/24

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON

UTILITY DETAILS

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0249
F (919) 552-2043
CURRY ENGINEERS PA EST. NORTH CAROLINA
NC LIC. NO. P-0789
Curry ENGINEERING

D-1.2

Z:\PROJECTS FOLDER\ZEBULON\2024\2024171.LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\D-1.2 UTILITY DETAILS.DWG
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EROSION CONROL LEGEND:

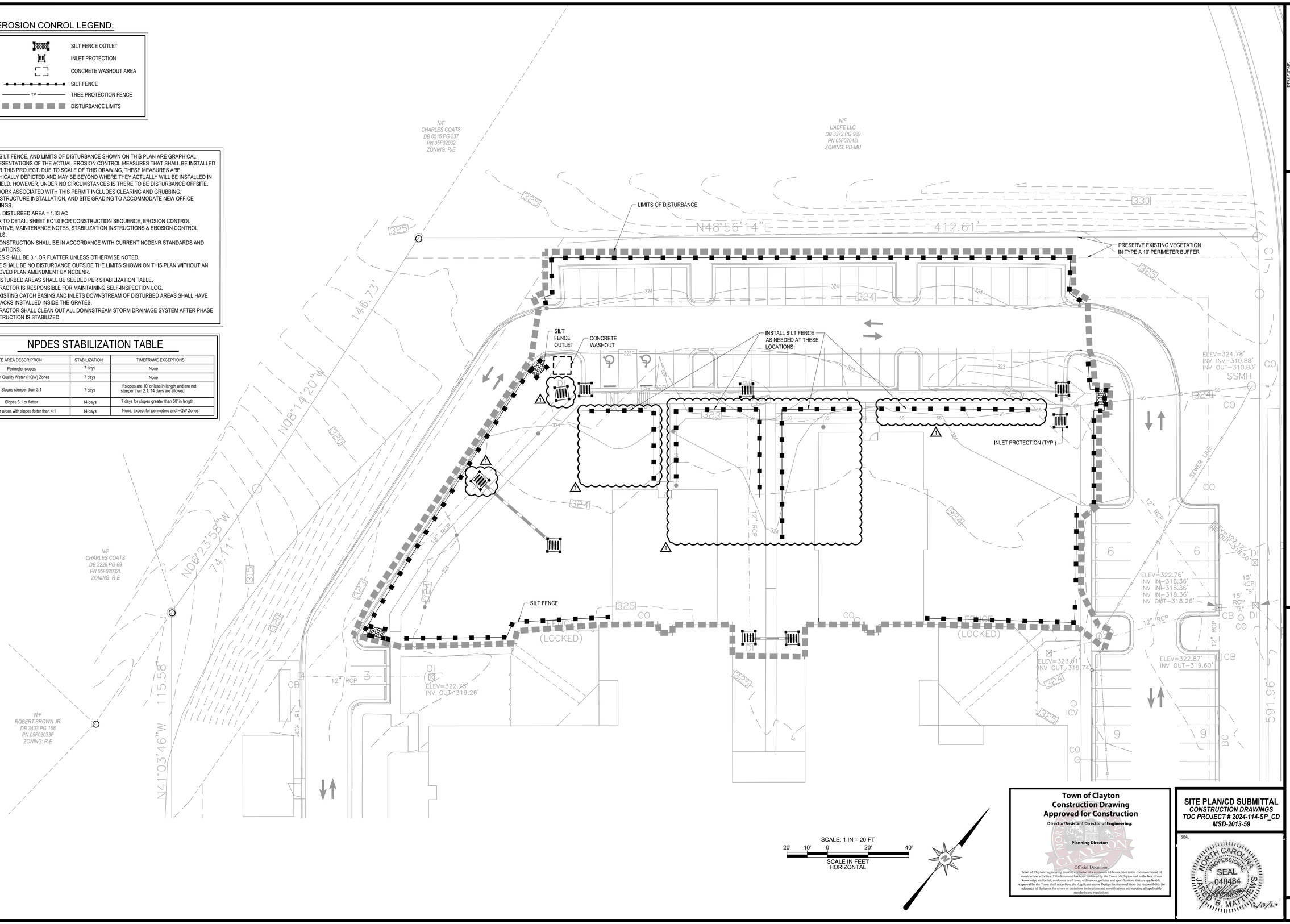
- SILT FENCE OUTLET
- INLET PROTECTION
- CONCRETE WASHOUT AREA
- SILT FENCE
- TP — TREE PROTECTION FENCE
- DISTURBANCE LIMITS

NOTES:

1. THE , SILT FENCE, AND LIMITS OF DISTURBANCE SHOWN ON THIS PLAN ARE GRAPHICAL REPRESENTATIONS OF THE ACTUAL EROSION CONTROL MEASURES THAT SHALL BE INSTALLED UNDER THIS PROJECT. DUE TO SCALE OF THIS DRAWING, THESE MEASURES ARE GRAPHICALLY DEPICTED AND MAY BE BEYOND WHERE THEY ACTUALLY WILL BE INSTALLED IN THE FIELD. HOWEVER, UNDER NO CIRCUMSTANCES IS THERE TO BE DISTURBANCE OFFSITE.
2. THE WORK ASSOCIATED WITH THIS PERMIT INCLUDES CLEARING AND GRUBBING, INFRASTRUCTURE INSTALLATION, AND SITE GRADING TO ACCOMMODATE NEW OFFICE BUILDINGS.
3. TOTAL DISTURBED AREA = 1.33 AC
4. REFER TO DETAIL SHEET EC1.0 FOR CONSTRUCTION SEQUENCE, EROSION CONTROL NARRATIVE, MAINTENANCE NOTES, STABILIZATION INSTRUCTIONS & EROSION CONTROL DETAILS.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT NCDENR STANDARDS AND REGULATIONS.
6. SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
7. THERE SHALL BE NO DISTURBANCE OUTSIDE THE LIMITS SHOWN ON THIS PLAN WITHOUT AN APPROVED PLAN AMENDMENT BY NCDENR.
8. ALL DISTURBED AREAS SHALL BE SEEDED PER STABILIZATION TABLE.
9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SELF-INSPECTION LOG.
10. ALL EXISTING CATCH BASINS AND INLETS DOWNSTREAM OF DISTURBED AREAS SHALL HAVE SILT SACKS INSTALLED INSIDE THE GRATES.
11. CONTRACTOR SHALL CLEAN OUT ALL DOWNSTREAM STORM DRAINAGE SYSTEM AFTER PHASE CONSTRUCTION IS STABILIZED.

NPDES STABILIZATION TABLE

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
Perimeter slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length
All other areas with slopes fatter than 4:1	14 days	None, except for perimeters and HQW Zones



SCALE: 1 IN = 20 FT

20' 10' 0 20' 40'

SCALE IN FEET
HORIZONTAL

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

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SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 048484 JARED B. MATTHEWS 12/13/24

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
EROSION CONTROL PLAN

Curry ENGINEERING
205 S. Fayetteville Avenue
Fuquay-Varina, NC 27526
T (919) 552-0549
F (919) 552-2043
CURRY ENGINEERING COMPANY, LLC EST. 2019 NORTH CAROLINA
NC LIC. NO. P-0799

EC-1.0

Z:\PROJECTS FOLDER\JEB\LON\2024\2024-117 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\EC-1.0 EROSION CONTROL PLAN.DWG
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EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS.
2. TOTAL DISTURBANCE LIMITS = 1.33 ACRES.
3. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN IN THE PLAN IS A VIOLATION OF THE NORTH CAROLINA SEDIMENTATION CONTROL LAW & IS SUBJECT TO A FINE.
4. GRADING MORE THAN 1 ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE THE NORTH CAROLINA SEDIMENTATION CONTROL LAW AND IS SUBJECT TO A FINE.
5. ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH ALL NCDENR AND TOWN OF CLAYTON STANDARDS AND SPECIFICATIONS.
8. ADJACENT PROPERTIES AND RIGHT-OF-WAY SHALL BE KEPT FREE OF MUD AND/OR SEDIMENT-LADEN RUNOFF.
9. THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE RECOMMENDED AS A MINIMUM IN ORDER TO CONTROL RUN-OFF. IT IS POSSIBLE THAT MORE STRINGENT MEASURES MAY BE NEEDED AS DETERMINED BY THE CONTRACTOR, PROJECT ENGINEER, AND/OR EROSION CONTROL INSPECTOR. IF IT IS DETERMINED THAT ADDITIONAL RUN-OFF CONTROL IS NEEDED, SUCH MEASURES SHALL BE INSTALLED IMMEDIATELY.
10. SHOULD MAINTENANCE ISSUES ARISE, PLEASE CONTACT JON WHITE AT 919-428-7361 .
11. CONTRACTOR SHALL LOCATE AND VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO CLEAR & GRUB AND SITE GRADE THE PROPERTY TO ACCOMMODATE 2 BUILDING ADDITIONS AND ASSOCIATED PARKING LOT AND UTILITY INFRASTRUCTURE. THE PROPERTY IS PRIVATELY OWNED. SEE OWNER INFORMATION ON EXISTING CONDITIONS PLAN.
APPROXIMATELY 1.33 ACRES WILL BE DISTURBED DURING CONSTRUCTION. THE MAXIMUM FILL WILL BE APPROX. 2 FEET AND THE MAXIMUM CUT WILL BE APPROX. 2 FEET. THIS PROJECT WILL INVOLVE REMOVAL OF TOPSOIL AND SITE GRADING. STORM INLETS WILL BE EXTENED TO THE EXISTING UNDERGROUND STORM DRAINAGE SYSTEM.

THE PROJECT IS SCHEDULED TO BEGIN CONSTRUCTION IN FALL 2024 WITH PROJECT COMPLETION AND FINAL STABILIZATION BY SUMMER 2025. THE EROSION AND SEDIMENT CONTROL PROGRAM FOR THIS PROJECT WILL INCLUDE THE INSTALLATION OF TEMPORARY SILT FENCING, SILT FENCE OUTLETS, INLET PROTECTION MEASURES.

ADJACENT PROPERTY
ADJACENT PROPERTY OWNERS ARE NOTED ON THE EXISTING CONDITIONS PLAN.

NATIVE SOILS

THE SOILS AT THIS SITE ARE PREDOMINATELY LOAMY SANDS. SOILS ARE MOSTLY WELL DRAINED WITH Ksat RANGES FROM MODERATELY HIGH TO HIGH. SLOPES ARE LARGELY BETWEEN 2 TO 6%.

CONSTRUCTION SEQUENCE:

1. OBTAIN A LAND-DISTURBING PERMIT FROM NCDENR. THE PERMIT WILL COME FROM TOWN OF CLAYTON. THE STATE WILL PROVIDE NCG01. A COPY OF THE NCG01 MUST BE SENT TO THE TOC BEFORE PRECON.
2. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH TOWN OF CLAYTON AT LEAST ONE WEEK PRIOR TO START OF LAND DISTURBANCE. 1
3. CLEAR THE AREA NEEDED TO CONSTRUCT THE REMAINDER OF PERIMETER EROSION CONTROL MEASURES INCLUDING SILT FENCE, AND OTHER MEASURES AS SHOWN ON THE APPROVED PLAN.
4. CALL TOWN OF CLAYTON FOR AN ONSITE INSPECTION BY THE ONSITE INSPECTOR TO OBTAIN A CERTIFICATE OF COMPLIANCE.
5. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED.
6. ROUGH GRADE ALL PAVEMENT AREAS/DRIVE AISLES.
7. CONSTRUCT SANITARY SEWER SYSTEM THROUGHOUT PROJECT. 1
8. INSTALL STORM SEWER, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
9. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, SEED AND MULCH DENUDED AREAS WITHIN 7 OR 14 DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION.
10. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL TOWN OF CLAYTON ON SITE INSPECTOR.
11. IF SITE IS APPROVED, REMOVE SILT FENCE AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. EXISTING STORM DRAINAGE SYSTEM SHALL BE CLEANED OF ANY SEDIMENT.
12. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ONSITE INSPECTOR. OBTAIN A CERTIFICATE OF COMPLETION.
13. SUBMIT NOTICE OF TERMINATION TO NCDENR.

- INSPECTOR REFERS TO NORTH CAROLINA LAND QUALITY INSPECTOR, TOWN OF CLAYTON INSPECTOR, OR HIS REPRESENTATIVE, FIELD INSPECTIONS MAY REQUIRE ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES AS DEEMED NECESSARY BY THE INSPECTOR.
- CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES LAND QUALITY SECTION: EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF EROSION CONTROL MEASURES DURING CONSTRUCTION AND THE OWNER IS RESPONSIBLE FOR ALL PERMANENT EROSION CONTROL METHODS AFTER CONSTRUCTION IS COMPLETE, IF ANY PERMANENT METHODS ARE REQUIRED.

DUST CONTROL

VEGETATIVE COVER
FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.

MULCH
WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST.

MAINTENANCE
MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.

SEDIMENT & EROSION CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND SEDIMENT CONTROLS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION CONTROLS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS. ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES BE TO THE STANDARDS OF THE NC DEPT. OF ENVIRONMENTAL MANAGEMENT - LAND QUALITY SECTION.

STRUCTURAL PRACTICES

1. SILT FENCE (SEDIMENT FENCE): SILT FENCE CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION. SILT FENCES SHALL BE PROVIDED WHERE SHOWN AND AS NEEDED ON THE SITE PLAN. THESE BARRIERS SHALL BE USED TO CONTAIN SEDIMENT.
2. SILT FENCE OUTLET: GRAVEL SILT FENCE OUTLETS SHALL BE PROVIDED WHERE SHOWN AND AS NEEDED ON THE SITE PLAN. THESE OUTLETS SHALL BE LOCATED AT ALL LOW POINTS IN A RUN OF SILT FENCE AND USED TO DISCHARGE "CLEAN WATER" OFF-SITE.
3. INLET PROTECTION: HARDWIRE CLOTH AND GRAVEL INLET PROTECTION DEVICES CAN BE USED PREVENT SEDIMENT FROM ENTERING YARD INLETS, GRATED STORM DRAINS OR DROP INLETS DURING CONSTRUCTION. THIS PRACTICE ALLOWS EARLY USE OF THE STORM DRAIN SYSTEM

VEGETATIVE PRACTICES

1. TEMPORARY SEEDING: DISTURBED AREAS THAT ARE NOT ANTICIPATED TO BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 7 OR 14 CALENDAR DAYS MUST RECEIVE TEMPORARY SEEDING (SEE NPDES TABLE). A QUICK GROWING GRASS SPECIES, WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING, SHOULD BE USED. TEMPORARY SEEDING SHALL BE PER TOWN OF CLAYTON REQUIREMENTS.
2. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
3. TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER. RESEED AND MULCH BARE SPOTS LARGER THAN 9 SQUARE FEET.
4. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. PERMANENT SEEDING SHALL BE PER TOWN OF CLAYTON REQUIREMENTS. IF GROWTH IS NOT ESTABLISHED BY FINAL PROJECT INSPECTION, CONTINUE SPECIFIED ATTENTION UNTIL THE STAND OF GRASS IS ACCEPTABLE.

MAINTENANCE/INSPECTION PROCEDURES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

- ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, DAILY AND WITHIN 24 HOURS OF EVERY RAINFALL EVENT.
- SILT FENCE: INSPECT FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND, BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
- INLET PROTECTION: INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (½ INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.
- SEEDING, FERTILIZING, AND MULCHING: INSPECT SEEDED AREAS FOR FAILURE AND NECESSARY REPAIRS AND RE-SEEDING SHALL BE MADE WITHIN THE SAME SEASON. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- MAINTAIN THE ON-SITE RAIN GAUGE & DATA AND STORMWATER INSPECTION LOG SHEETS, THIS PERMIT INFORMATION MUST BE COLLECTED AND MAINTAINED UNTIL TOWN OF CLAYTON HAS CLOSED THE PROJECT & SURETY HAS BEEN RELEASED.
- THE CONTACT PERSON IS REQUIRED TO MAINTAIN A LOG OF SELF-INSPECTIONS PER REQUIREMENTS AS OUTLINED IN NCG01000 PERMIT. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORMWATER MANAGEMENT PLANS. THIS PERMIT INFORMATION MUST BE COLLECTED AND MAINTAINED UNTIL TOWN OF CLAYTON HAS CLOSED THE PROJECT.
- THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
- PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE. SUPERINTENDENT: THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.
- GROUND STABILIZATION: SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
  - A. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
  - B. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS POSSIBLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY

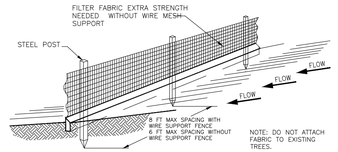
1

NOTIFICATION OF COMBINED SELF-MONITORING AND SELF-INSPECTION FORM:

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010.

TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, DWQ AND DEMLR DEVELOPED A COMBINED FORM. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE FORM CAN BE ACCESSED AT:
HTTP://PORTAL.NCDENR.ORG/WEB/LR/EROSION

IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THE RALEIGH REGIONAL OFFICE AT (919) 791-4200.



CONSTRUCTION SPECIFICATIONS

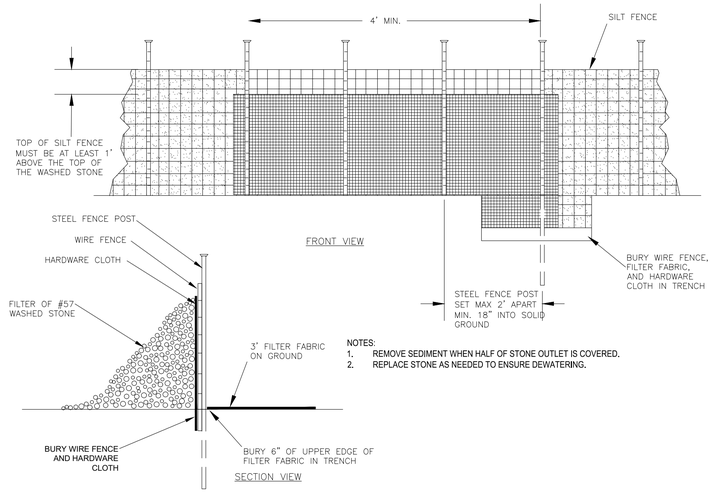
1. USE A SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6461, WHICH IS SHOWN IN PART IN TABLE 6.62B. SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 TO 120° F.
2. ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1.33 LB/LINEAR FT STEEL WITH A MINIMUM LENGTH OF 5 FEET. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
3. FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH A MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.

MAINTENANCE

INSPECT SEDIMENT FENCES DAILY AND AFTER EACH RAINFALL EVENT. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

DETAIL REFERENCE 6.62 NC ESCPDM

1 EC-1.1 STANDARD TEMPORARY SILT FENCE
SCALE: NTS



NOTES.
1. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.
2. REPLACE STONE AS NEEDED TO ENSURE DEWATERING.

2 EC-1.1 STANDARD SILT FENCE OUTLET
SCALE: NTS

Town of Clayton
Construction Drawing
Approved for Construction
Director/Assistant Director of Engineering:
Planning Director:
Official Document
Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER JARED B. MATTHEWS
12/13/24

REVISIONS		
	1	12/13/2024

HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36
DATE: JULY 30, 2024
FILE NO.:

LONG TERM CARE - SPRINGBROOK CLAYTON
EROSION CONTROL DETAILS I

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0849
F (919) 552-2043
NC LIC. NO. P-0789

EC-1.1

Z:\PROJECTS FOLDER_ZEBULON\2024\2024-071 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANSHEET FILES\EC-2.0 EROSION CONTROL DETAILS.DWG
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GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Site Area Description	Required Ground Stabilization Timeframes: Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

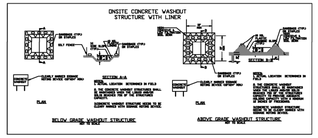
PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

NORTH CAROLINA Environmental Quality



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those un-attended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This General Permit as well as the Certificate of Coverage, after it is received.

(b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:
- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(d) Anticipated bypasses and unanticipated bypasses.

(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes [After Discovery] and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	• ***Within 24 hours***, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• ***A report at least ten days before the date of the bypass, if possible.*** The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• ***Within 24 hours,*** an oral or electronic notification. • ***Within 7 calendar days,*** a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(l)(7)]	• ***Within 24 hours,*** an oral or electronic notification. • ***Within 7 calendar days,*** a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6).
	• Division staff may waive the requirement for a written report on a case-by-case basis.

NORTH CAROLINA Environmental Quality

PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

(a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
(b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
(c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
(d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
(e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
(f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

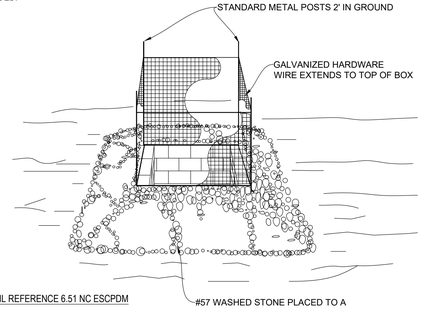
EFFECTIVE: 04/01/19

CONSTRUCTION SPECIFICATIONS

1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
4. PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUNDCOVER.

MAINTENANCE:

INSPECT INLETS DAILY AND AFTER EACH SIGNIFICANT (½ INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.



DETAIL REFERENCE 6.51 NC ESCPDM

1 EC-1.2 INLET PROTECTION
SCALE: NTS

Town of Clayton
Construction Drawing
Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 048484 ENGINEER JARED B. MATTHEWS
7/13/24

REVISIONS	
1	12/13/2024 TOC COMMENTS #1

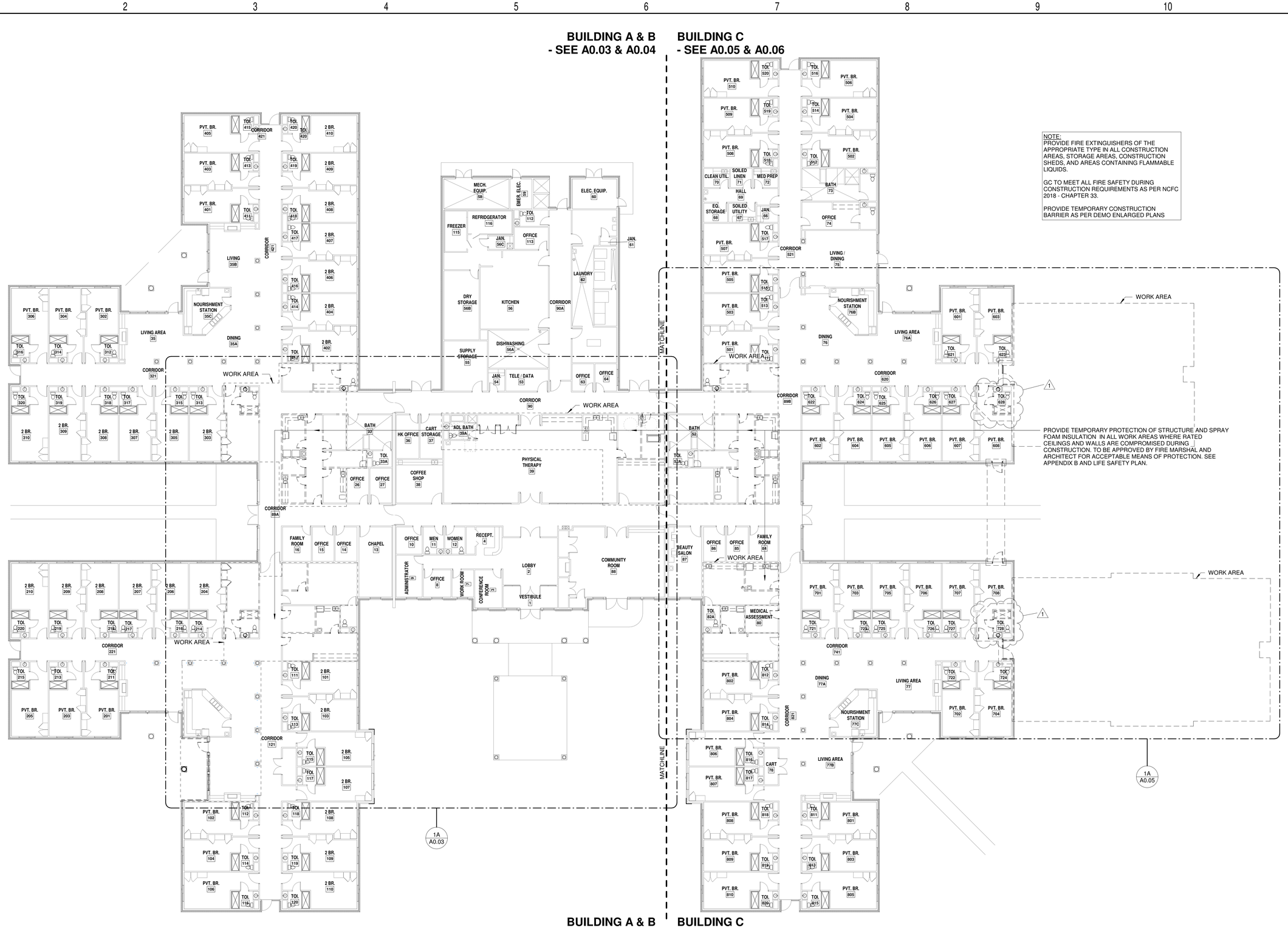
DATE: JULY 30, 2024
FILE NO.:
HORZ. SCALE: NONE
ORIG. SHEET SIZE: 24 x 36

LONG TERM CARE - SPRINGBROOK CLAYTON
EROSION CONTROL DETAILS II

205 S. Fuquay Avenue
Fuquay-Varina, NC 27526
T (919) 552-0249
F (919) 552-2043
NC LIC. NO. P-0793
Curry ENGINEERING

EC-1.2

Z:\PROJECTS FOLDER\ZEBULON\2024\2024-117 LONG TERM CARE - SPRINGBROOK - CLAYTON\PLANS\SITE PLAN\SHEET FILES\EC-1.2 EROSION CONTROL DETAILS.DWG
PLOTTED: 12/13/2024 10:52 AM



NOTE:
PROVIDE FIRE EXTINGUISHERS OF THE APPROPRIATE TYPE IN ALL CONSTRUCTION AREAS, STORAGE AREAS, CONSTRUCTION SHEDS, AND AREAS CONTAINING FLAMMABLE LIQUIDS.

GC TO MEET ALL FIRE SAFETY DURING CONSTRUCTION REQUIREMENTS AS PER NCFC 2018 - CHAPTER 33.

PROVIDE TEMPORARY CONSTRUCTION BARRIER AS PER DEMO ENLARGED PLANS

1A LEVEL 1 DEMO PLAN

1/16" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

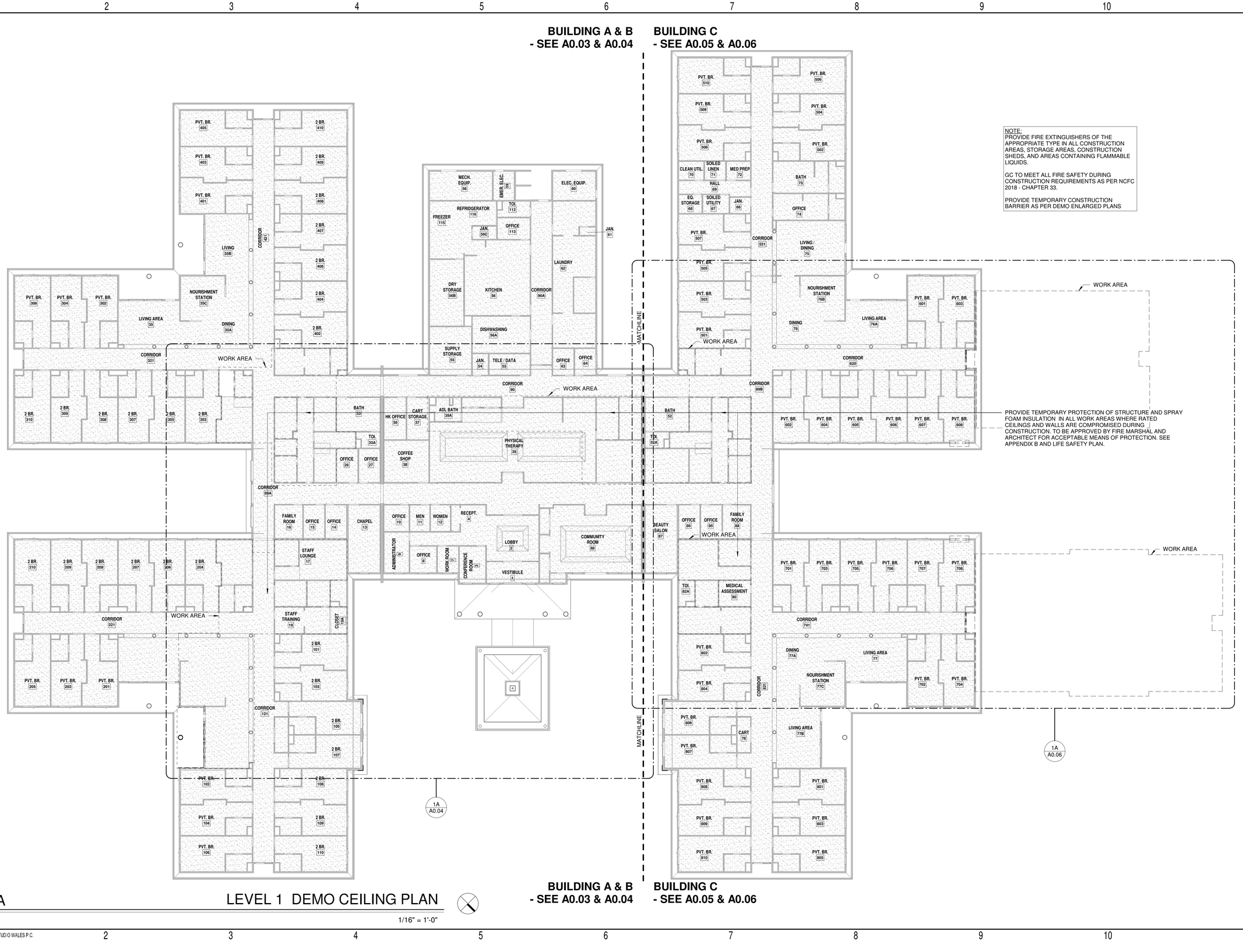
date: 02/06/2024

commission: NH-3138

sheet title:
LEVEL 1 DEMO PLAN

sheet number :

A0.01



NOTE:
PROVIDE FIRE EXTINGUISHERS OF THE APPROPRIATE TYPE IN ALL CONSTRUCTION AREAS, STORAGE AREAS, CONSTRUCTION SHEDS, AND AREAS CONTAINING FLAMMABLE LIQUIDS.

GC TO MEET ALL FIRE SAFETY DURING CONSTRUCTION REQUIREMENTS AS PER NCFC 2018 - CHAPTER 33.

PROVIDE TEMPORARY CONSTRUCTION BARRIER AS PER DEMO ENLARGED PLANS

1A LEVEL 1 DEMO CEILING PLAN

1/16" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

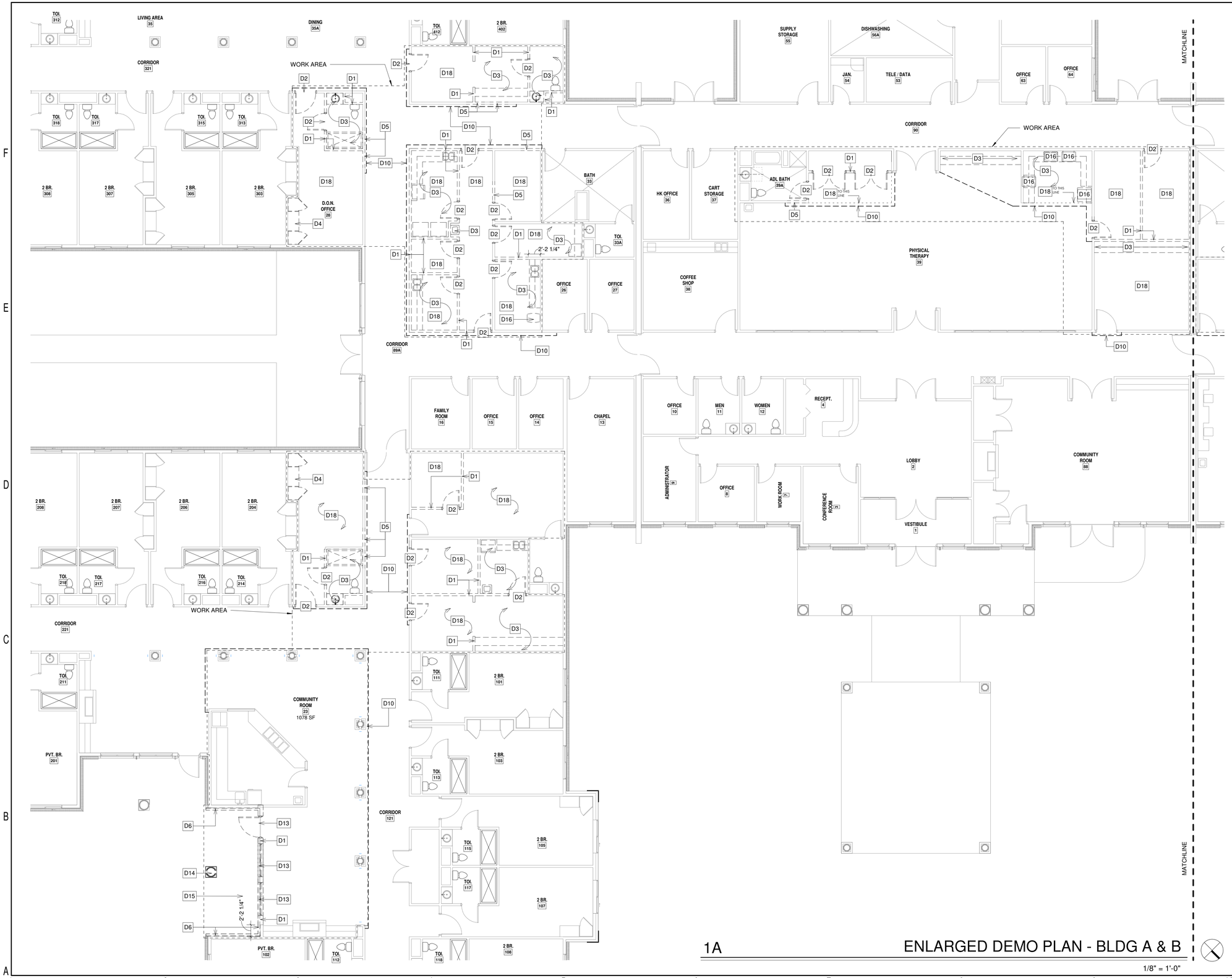
date: 02/18/2024

commission: NH-3138

sheet title:
LEVEL 1 DEMO REFLECTED CEILING PLAN

sheet number :

A0.02



1A ENLARGED DEMO PLAN - BLDG A & B

1/8" = 1'-0"

KEYED NOTES - DEMO

- D1 DEMO WALL AND ASSOCIATED FINISHES. CAP ALL SERVICES IN COORDINATION WITH MEP DRAWINGS.
- D2 DEMO DOOR AND FRAME. GC TO EVALUATE DOOR FOR RE-INSTALLTION IN ALTERNATE LOCATION.
- D3 DEMO EXG. CABINETS, FIXTURES AND INTERIOR WALL/FLOOR TILE. CAP ALL SERVICES IN PLACE IN COORDINATION WITH MEP DWGS.
- D4 DEMO EXG. CABINETS, LEAVING INTERIOR FINISHES INTACT. PATCH A REPAIR ANY DAMAMGE TO EXG. SURFACES TO MATCH ADJACENT.
- D5 DEMO WALL IN PREP. FOR NEW DOOR. COORDINATE W/ DWGS.
- D6 DEMO WALL MASONRY/SIDING, TRIM, VAPOR BARRIER DOWN TO SHEATHING. PROTECT BEARING STUDS AGAINST DAMAGE AND COMPROMISE. SEE DEMO ROOF PLAN FOR ROOF AND SOFFIT DEMOLITION.
- D7 ~~SEE CIVIL FOR SITE DEMOLITION AND COORDINATE W/ DWGS.~~
- D8 ~~DEMO RATED CLG. GWB./FIBER CEMENT SOFFIT TO UNDERSIDE OF TRUSS. RETAIN ALL FIXTURES AND DEVICES FOR RE-INSTALLATION. COORDINATE W/ MEP. PROVIDE TEMPORARY PROTECTION OF RATED ASSEMBLY AS PER LOCAL FIRE MARSHAL.~~
- D9 ~~REMOVE AND RETAIN EXG. WINDOW AND HVAC UNIT. CAP ALL LINES FOR LATER RECONNECTION. REMOVE KNEE WALL AND MASONRY IN PREP FOR TEMPORARY EGRESS DOOR. SEE TEMP. EGRESS PLAN. LEAVE EXG. HEADER, JACK STUDS, AND KING STUDS IN PLACE. REMOVE TEMPORARY EGRESS DOOR AT END OF PROJECT AND INFILL WALL AS PER DWGS.~~
- D10 PROVIDE TEMPORARY CONSTRUCTION BARRIER. BARRIER SHOULD PREVENT SPREAD OF DUST PARTICLES WITHIN BUILDING. SEAL ALL DUCTWORK WITHIN ENCLOSURE DURING CONSTRUCTION. PROVIDE INDEPENDENT FILTERED (N95) AIR SUPPLY AND EXHAUST. BARRIER SHALL NOT ENCROACH MORE THAN 1 1/2" INTO CORRIDORS AND HAVE SWINGING DOORS FOR INGRESS/EGRESS.
- D11 ~~DEMO EXISTING ROOFING DOWN TO SHEATHING. PROTECT SHEATHING AND ROOF FRAMING AGAINST DAMAGE AND COMPROMISE. COORD. W/ STR. DWGS.~~
- D12 ~~DEMO EXISTING ROOF OVERHANG/SOFFIT TO FACE OF WALL BELOW (V.I.F.). PROTECT ALL ROOF FRAMING AGAINST DAMAGE AND COMPROMISE. COORD. W/ STR. DWGS.~~
- D13 REMOVE EXG. DOOR / WINDOW AND PRESERVE FOR LATER RE-INSTALLATION. RETAIN ASSOCIATED HARDWARE AND OPERABLE ACCESSORIES.
- D14 DEMO EXISTING EXTERIOR COLUMN. PROVIDE TEMPORARY BEARING SUPPORT AND BRACING. SEE STR. DWGS.
- D15 DEMO EXISTING EXTERIOR CONC. SLAB. COORD. W/ STR.
- D16 REMOVE EQUIPMENT / FIXTURE AND RETAIN FOR RE-INSTALLATION.
- D17 RETAIN BEAM IN PLACE, SEE STR. DWGS.
- D18 DEMO ALL FLOORING IN ROOM INCLUDING PADS AND ADHESIVES

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title:
LEVEL 1 ENLARGED DEMO PLAN - BLDG A & B

sheet number :

A0.03

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1A ENLARGED DEMO RCP - BLDG A & B

1/8" = 1'-0"

KEYED NOTES - DEMO

- D1 DEMO WALL AND ASSOCIATED FINISHES. CAP ALL SERVICES IN COORDINATION WITH MEP DRAWINGS.
- D2 DEMO DOOR AND FRAME. GC TO EVALUATE DOOR FOR RE-INSTALLTION IN ALTERNATE LOCATION.
- D3 DEMO EXG. CABINETS, FIXTURES AND INTERIOR WALL/FLOOR TILE. CAP ALL SERVICES IN PLACE IN COORDINATION WITH MEP DWGS.
- D4 DEMO EXG. CABINETS, LEAVING INTERIOR FINISHES INTACT. PATCH & REPAIR ANY DAMAMGE TO EXG. SURFACES TO MATCH ADJACENT.
- D5 DEMO WALL IN PREP. FOR NEW DOOR. COORDINATE W/ DWGS.
- D6 DEMO WALL: MASONRY/SIDING, TRIM, VAPOR BARRIER DOWN TO SHEATHING. PROTECT BEARING STUDS AGAINST DAMAGE AND COMPROMISE. SEE DEMO ROOF PLAN FOR ROOF AND SOFFIT DEMOLITION.
- D7 SEE CIVIL FOR SITE DEMOLITION AND COORDINATE W/ DWGS.
- D8 DEMO RATED CLG. GWB./FIBER CEMENT SOFFIT TO UNDERSIDE OF TRUSS. RETAIN ALL FIXTURES AND DEVICES FOR RE-INSTALLATION. COORDINATE W/ MEP. PROVIDE TEMPORARY PROTECTION OF RATED ASSEMBLY AS PER LOCAL FIRE MARSHAL.
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- D10 PROVIDE TEMPORARY CONSTRUCTION BARRIER. BARRIER SHOULD PREVENT SPREAD OF DUST PARTICLES WITHIN BUILDING. SEAL ALL DUCTWORK WITHIN ENCLOSURE DURING CONSTRUCTION. PROVIDE INDEPENDENT FILTERED (N95) AIR SUPPLY AND EXHAUST. BARRIER SHALL NOT ENCROACH MORE THAN 1 1/2" INTO CORRIDORS AND HAVE SWINGING DOORS FOR INGRESS/EGRESS.
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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

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commission: NH-3138

sheet title:
LEVEL 1 ENLARGED DEMO RCP - BLDG A & B

sheet number :

A0.04

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1A ENLARGED DEMO PLAN - BLDG C

1/8" = 1'-0"

KEYED NOTES - DEMO

- D1 DEMO WALL AND ASSOCIATED FINISHES. CAP ALL SERVICES IN COORDINATION WITH MEP DRAWINGS.
- D2 DEMO DOOR AND FRAME. GC TO EVALUATE DOOR FOR RE-INSTALLTION IN ALTERNATE LOCATION.
- D3 DEMO EXG. CABINETS, FIXTURES AND INTERIOR WALL TILE. CAP ALL SERVICES IN PLACE IN COORDINATION WITH MEP DWGS.
- D4 DEMO EXG. CABINETS, LEAVING INTERIOR FINISHES INTACT. PATCH A REPAIR ANY DAMAMGE TO EXG. SURFACES TO MATCH ADJACENT.
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- D17 RETAIN BEAM IN PLACE, SEE STR. DWGS.
- D18 DEMO WALLS, DOORS, AND FIXTURES. RETAIN ALL FIXTURES AND DOORS FOR LATER RE-INSTALATION. CAP ALL LINES IN PLACE.
- D19 ESTABLISH ALTERNATE EGRESS ROUTE PRIOR TO SEALING OFF END OF HALL EGRESS FOR NEW ADDITIOIN CONSTRUCTION.

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024

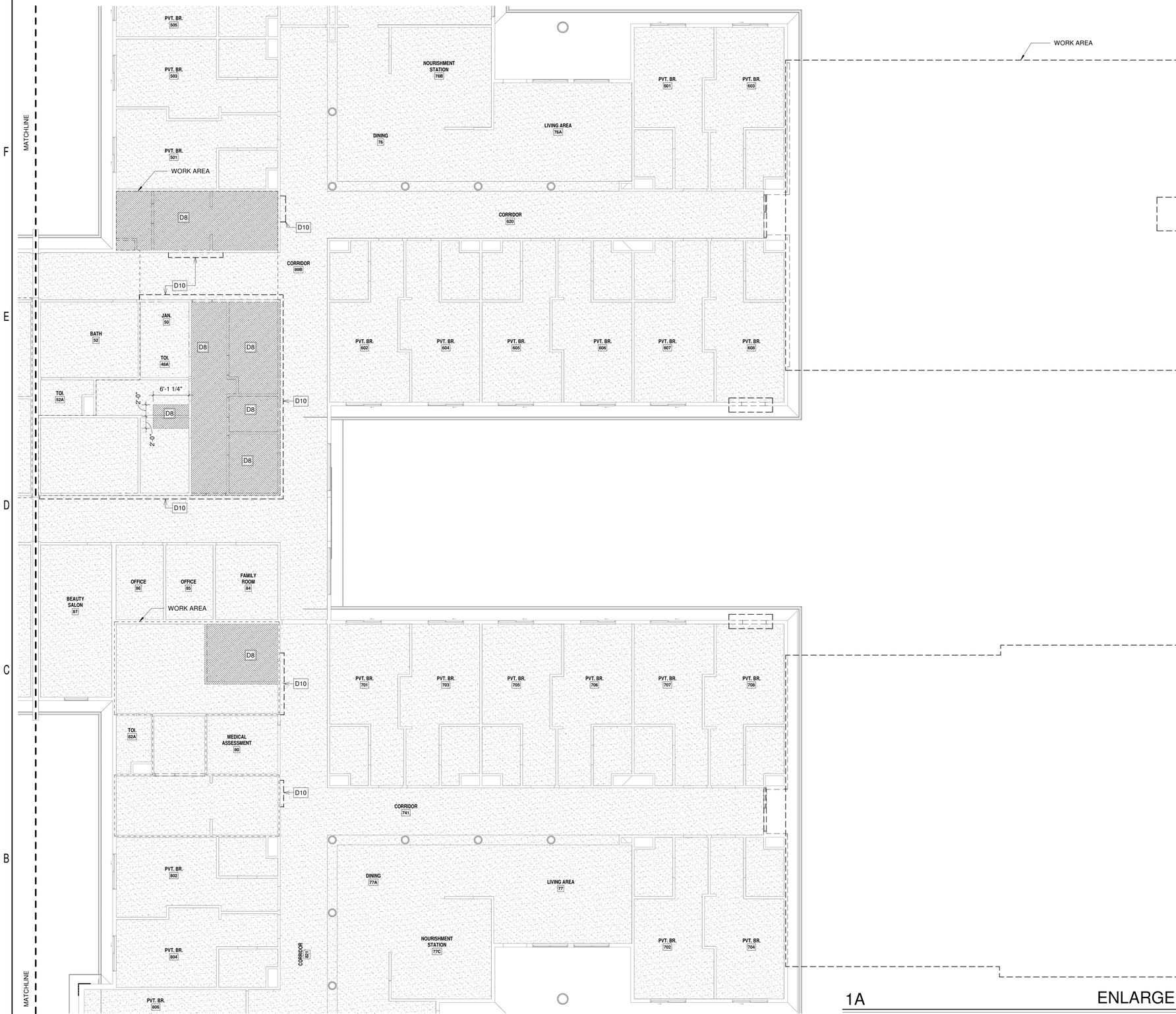
commission: NH-3138

sheet title:
LEVEL 1 ENLARGED DEMO PLAN - BLDG C

sheet number :

A0.05

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1A ENLARGED DEMO RCP - BLDG C

1/8" = 1'-0"

KEYED NOTES - DEMO

- D1 DEMO WALL AND ASSOCIATED FINISHES. CAP ALL SERVICES IN COORDINATION WITH MEP DRAWINGS.
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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

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date: 02/18/2024

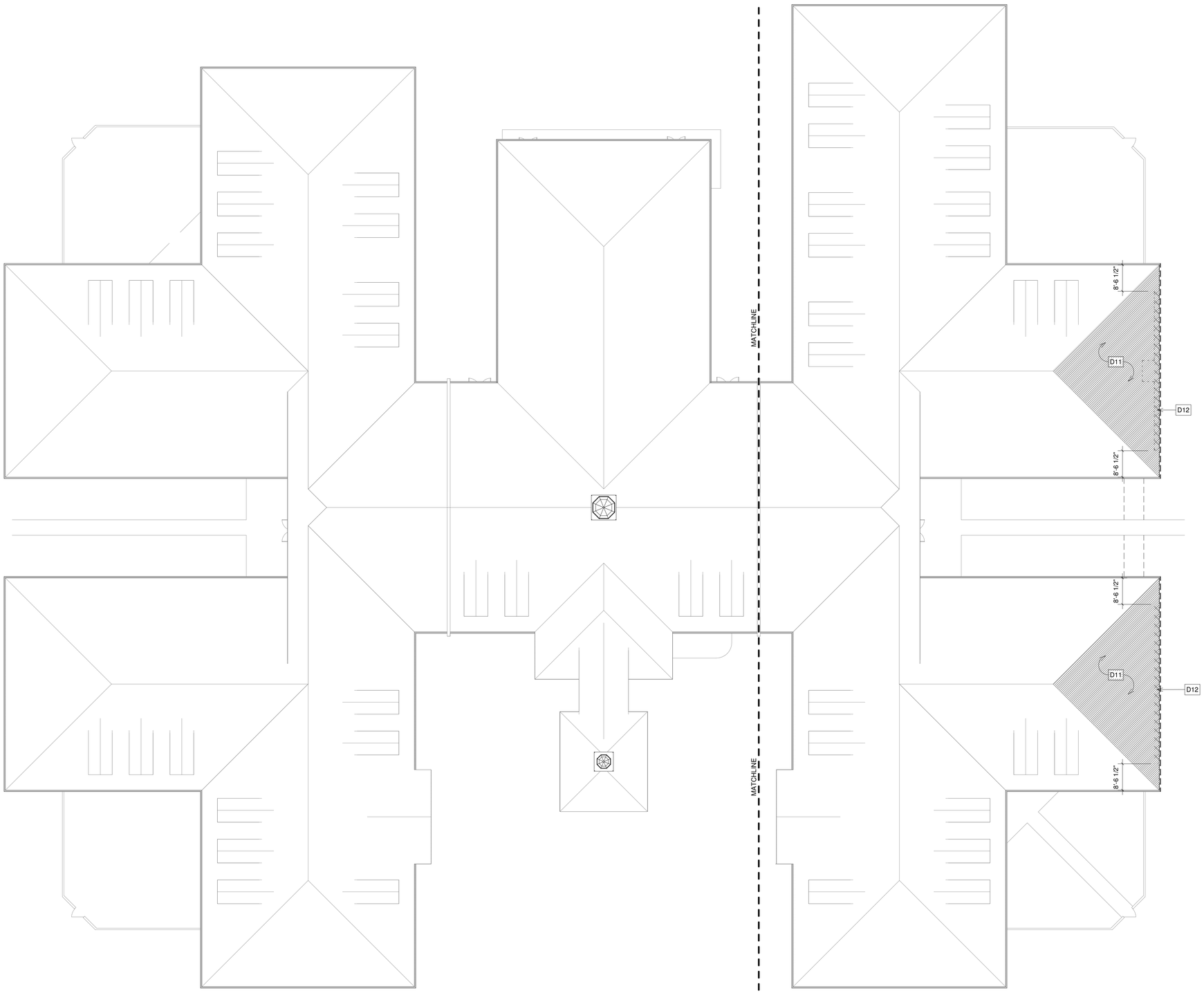
commission: NH-3138

sheet title:
LEVEL 1 ENLARGED DEMO RCP - BLDG C

sheet number :

A0.06

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KEYED NOTES - DEMO

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1A ROOF DEMO PLAN

1/16" = 1'-0"

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CONSTRUCTION DOCUMENTS

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Revisions

No.	Description	Date

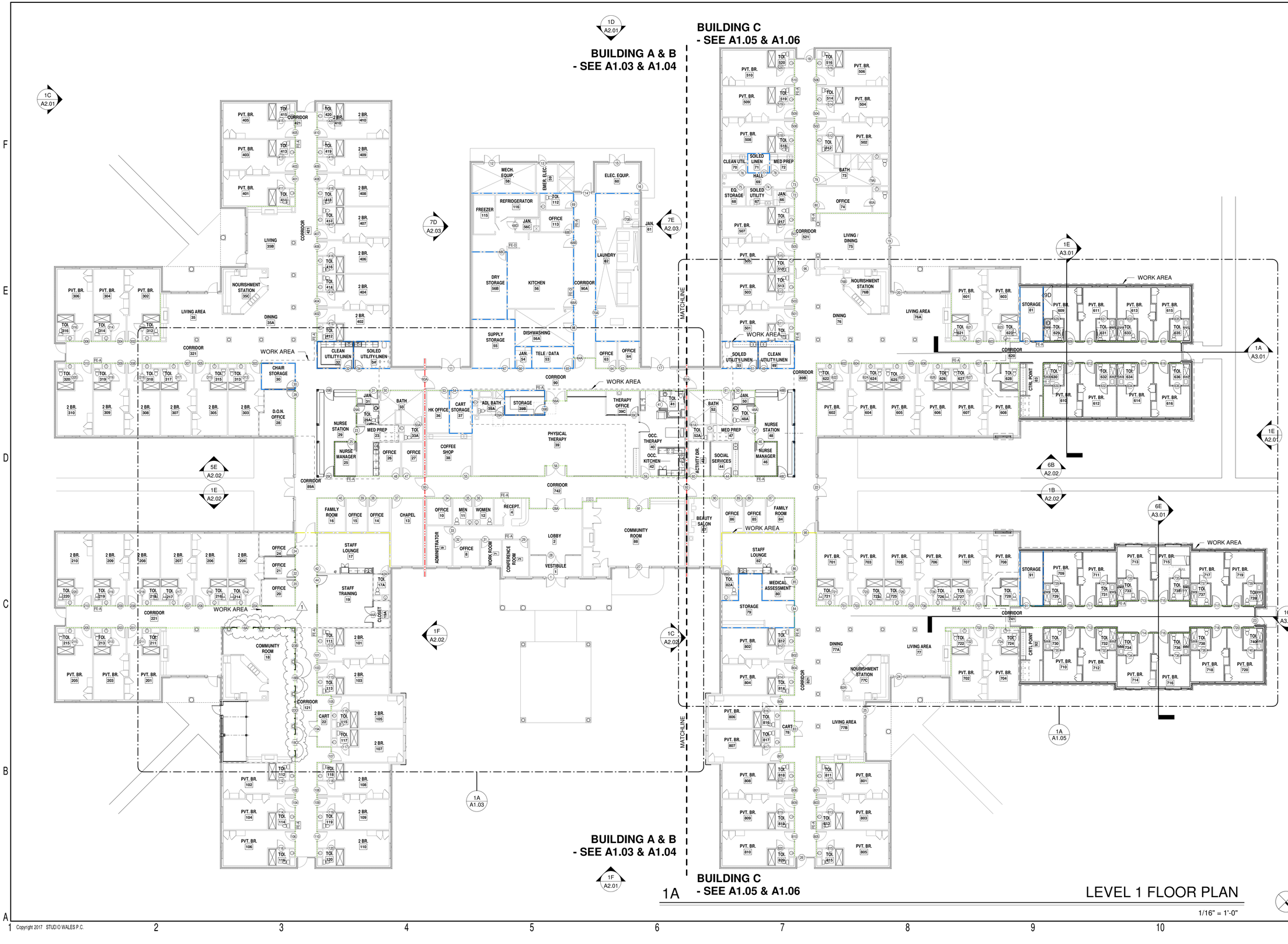
date: 02/18/2024

commission: NH-3138

sheet title: ROOF DEMO PLAN

sheet number : A0.07

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024

commission: NH-3138

sheet title:

LEVEL 1 FLOOR PLAN

sheet number :

A1.01

LEVEL 1 FLOOR PLAN

1/16" = 1'-0"

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BUILDING A & B
- SEE A1.03 & A1.04

BUILDING C
- SEE A1.05 & A1.06

RCP GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH 2018NCBC AND ANY LOCAL CODES.
2. REFER TO ELECTRICAL DRAWINGS FOR CEILING MOUNTED DEVICES, LIGHTS, AND EXIT SIGNS.
3. NOT USED
4. NOT USED
5. PROVIDE RATED CONTROL JOINTS IN CEILING AT 30'-0" INTERVALS, SEE INTERIOR DETAILS

RATED WALL LEGEND

- UNRATED SMOKE PARTITION
- 1 HR FIRE BARRIER
- 1 HOUR SMOKE / FIRE BARRIER
- 2 HOUR RATED WALL

CEILING LEGEND

- RECESSED CAN
- PENDANT FIXTURE
- STRIP LIGHT
- RECESSED DIRECT/INDIRECT
- RECESSED LENSED FIXTURE
- RECESSED LINEAR FIXTURE
- SUPPLY GRILLE
- RETURN AIR GRILLE
- GYPSUM WALL BOARD
- EIFS EXT. SOFFIT
- SHAFT WALL CEILING
- 2 x 2 LAY-IN ACOUS. TILE AND GRID
- 2 x 4 LAY-IN ACOUS. TILE AND GRID
- LIGHTED EXIT SIGN

RCP KEYED NOTES

1. 1 HR RATED CEILING, PROVIDE AS;
   - WD TRUSS, SEE STR. DWGS
   - (2) 5/8" TYPE X GYP. BOARD. FINISH ALL JTS. AND NAIL HEADS. STAGGER ALL JTS 24". GWB TO RUN PERPENDICULAR TO FRAMING MEMBERS.

   GA: NR2602

   NOTE: CALCULATED RESISTANCE BASE ON NCBC 722.6.2(1) - 1 HOUR MAX. RATING
2. PROVIDE 1 HR RATED CEILING FIRE PARTITION TERMINATION ASSEMBLY, SEE 5E/A6.01.
3. CEILING ACCESS DOOR, COORD. W/ WD TRUSSES AND PROVIDE SUPPORT FRAMING. B.O.D. IS ELMDOR; FRC24X36. INSTALL AS PER MFR. RECOMMENDATION. CONFIRM LOCATION AND FINISH W/ OWNER.

NOTE: GC / SPRINKLER SUB-CONTRATOR TO EXTEND EXISTING SYSTEM FOR FULL COVERAGE OF BOTH ADDITIONS. ADJUST HEAD LOCATIONS THROUGHOUT RENOVATION TO PROVIDE FULL COVERAGE.

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

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Revisions

No.	Description	Date

date: 02/18/2024

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sheet title:
LEVEL 1 REFLECTED CEILING PLAN

sheet number :

A1.02

1A LEVEL 1 REFLECTED CEILING PLAN

1/16" = 1'-0"

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KEYED NOTES - PLAN

1. EXG. TO REMAIN UNMODIFIED
2. REFRIGERATOR, OFCI
3. IN-OPERABLE DOOR, SEE ELEVATIONS
4. INFILL RECESSED SLAB LEVEL W/ ADJ. CONC. SLAB
5. PROVIDE BLOCKING FOR CONT. HANDRAIL IN ALL HALLWAYS. CONT. HANDRAIL IS OFIO. CONFIRM LOCATIONS W/ OWNER
6. JAN. SHELF AND MOP RACK. CONFIRM LOCATION W/ OWNER PRIOR TO INSTALLATION.
7. CORNER AND WALL GUARDS, OFOI IN ALL HALLWAYS
8. 3 DRAWER BASE CABINET, SEE MILLWORK AND INTERIOR DETAILS
9. (5) VINYL COATED WIRE FULL WIDHT SHELVES. CONFIRM SPACING W/ OWNER PRIOR TO INSTALLATION.

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

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Revisions

No.	Description	Date
1	DHSR	1/30/2026

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sheet title:
LEVEL 1 ENLARGED PLAN - BLDG A & B

sheet number :

A1.03

1A ENLARGED FLOOR PLAN - BLDG A & B

1/8" = 1'-0"

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1A ENLARGED RCP - BLDG A & B

1/8" = 1'-0"

CEILING LEGEND

- RECESSED CAN
- PENDANT FIXTURE
- STRIP LIGHT
- RECESSED DIRECT/INDIRECT
- RECESSED LENSED FIXTURE
- RECESSED LINEAR FIXTURE
- SUPPLY GRILLE
- RETURN AIR GRILLE
- GYPSUM WALL BOARD
- EIFS EXT. SOFFIT
- SHAFT WALL CEILING
- 2 x 2 LAY-IN ACOUS. TILE AND GRID
- 2 x 4 LAY-IN ACOUS. TILE AND GRID
- LIGHTED EXIT SIGN

RCP KEYED NOTES

1 1 HR RATED CEILING, PROVIDE AS;



WD TRUSS, SEE STR. DWGS

(2) 5/8" TYPE X GYP. BOARD. FINISH ALL JTS. AND NAIL HEADS. STAGGER ALL JTS 24". GWB TO RUN PERPENDICULAR TO FRAMING MEMBERS.

GA: NR2602

NOTE: CALCULATED RESISTANCE BASE ON NCBC 722.6.2(1) - 1 HOUR MAX. RATING

2 PROVIDE 1 HR RATED CEILING FIRE PARTITION TERMINATION ASSEMBLY, SEE 5E/A6.01.

3 CEILING ACCESS DOOR, COORD. W/ WD TRUSSES AND PROVIDE SUPPORT FRAMING. B.O.D. IS ELMDOR; FRC24X36. INSTALL AS PER MFR. RECOMMENDATION. CONFIRM LOCATION AND FINISH W/ OWNER.

RCP GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH 2018NCBC AND ANY LOCAL CODES.
2. REFER TO ELECTRICAL DRAWINGS FOR CEILING MOUNTED DEVICES, LIGHTS, AND EXIT SIGNS.
3. NOT USED
4. NOT USED
5. PROVIDE RATED CONTROL JOINTS IN CEILING AT 30'-0" INTERVALS, SEE INTERIOR DETAILS, 8A/G1.02

RATED WALL LEGEND

- UNRATED SMOKE PARTITION
- 1 HR FIRE BARRIER
- 1 HOUR SMOKE / FIRE BARRIER
- 2 HOUR RATED WALL

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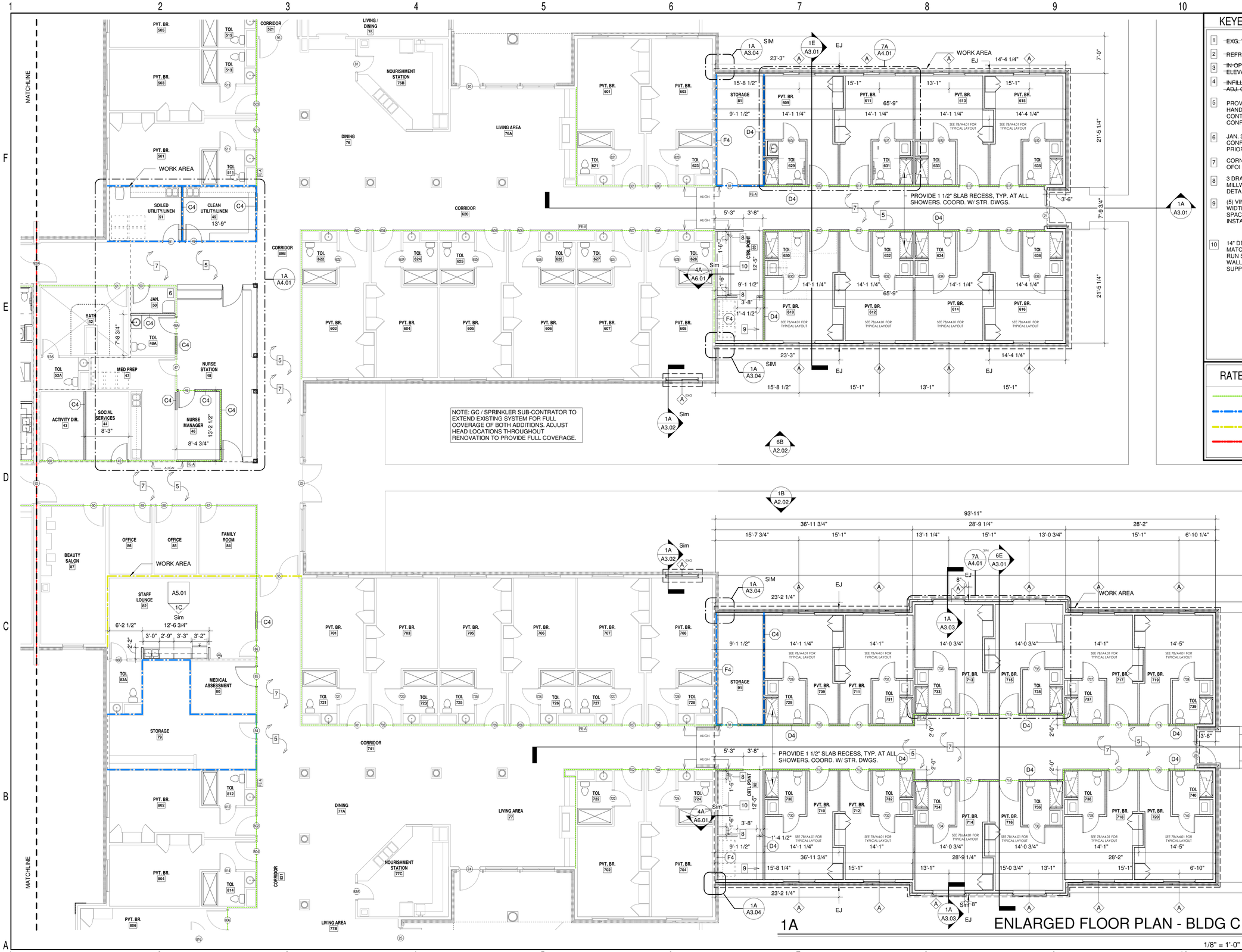
commission: NH-3138

sheet title: LEVEL 1 ENLARGED RCP - BLDG A & B

sheet number :

A1.04

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KEYED NOTES - PLAN

1. ~~EXG. TO REMAIN UNMODIFIED~~
2. ~~REFRIGERATOR, OFCI~~
3. ~~IN-OPERABLE DOOR, SEE ELEVATIONS~~
4. ~~INFILL RECESSED SLAB LEVEL W/ ADJ. CONC. SLAB~~
5. PROVIDE BLOCKING FOR CONT. HANDRAIL IN ALL HALLWAYS. CONT. HANDRAIL IS OFIO. CONFIRM LOCATIONS W/ OWNER
6. JAN. SHELF AND MOP RACK. CONFIRM LOCATION W/ OWNER PRIOR TO INSTALLATION.
7. CORNER AND WALL GUARDS, OFOI IN ALL HALLWAYS
8. 3 DRAWER BASE CABINET, SEE MILLWORK AND INTERIOR DETAILS
9. (5) VINYL COATED WIRE FULL WIDTH SHELVES. CONFIRM SPACING W/ OWNER PRIOR TO INSTALLATION.
10. 14" DEEP PLAM SHELF TO MATCH WORKTOP @ 56" A.F.F. RUN SHELF FULL WIDTH OF WALL. PROVIDE BLOCKING AND SUPPORT AS REQ'D

RATED WALL LEGEND

- UNRATED SMOKE PARTITION
- 1 HR FIRE BARRIER
- 1 HOUR SMOKE / FIRE BARRIER
- 2 HOUR RATED WALL

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195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

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No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title:
LEVEL 1 ENLARGED PLAN - BLDG C

sheet number :

A1.05

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NOTE: GC / SPRINKLER SUB-CONTRATOR TO EXTEND EXISTING SYSTEM FOR FULL COVERAGE OF BOTH ADDITIONS. ADJUST HEAD LOCATIONS THROUGHOUT RENOVATION TO PROVIDE FULL COVERAGE.

CEILING LEGEND

- RECESSED CAN
- PENDANT FIXTURE
- STRIP LIGHT
- RECESSED DIRECT/INDIRECT
- RECESSED LENSED FIXTURE
- RECESSED LINEAR FIXTURE
- SUPPLY GRILLE
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- 2 x 2 LAY-IN ACOUS. TILE AND GRID
- 2 x 4 LAY-IN ACOUS. TILE AND GRID
- LIGHTED EXIT SIGN

RCP KEYED NOTES

1 1 HR RATED CEILING, PROVIDE AS;

WD TRUSS, SEE STR. DWGS

(2) 5/8" TYPE X GYP. BOARD. FINISH ALL JTS. AND NAIL HEADS. STAGGER ALL JTS 24". GWB TO RUN PERPENDICULAR TO FRAMING MEMBERS.

GA: NR2602

NOTE: CALCULATED RESISTANCE BASE ON NCBC 722.6.2(1) - 1 HOUR MAX. RATING

2 PROVIDE 1 HR RATED CEILING FIRE PARTITION TERMINATION ASSEMBLY, SEE 5E/A6.01.

3 CEILING ACCESS DOOR, COORD. W/ WD TRUSSES AND PROVIDE SUPPORT FRAMING. B.O.D. IS ELMDOR; FRC24X36. INSTALL AS PER MFR. RECOMMENDATION. CONFIRM LOCATION AND FINISH W/ OWNER.

RCP GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH 2018NCBC AND ANY LOCAL CODES.
2. REFER TO ELECTRICAL DRAWINGS FOR CEILING MOUNTED DEVICES, LIGHTS, AND EXIT SIGNS.
3. NOT USED
4. NOT USED
5. PROVIDE RATED CONTROL JOINTS IN CEILING AT 30'-0" INTERVALS, SEE INTERIOR DETAILS, 8A/G1.02

1A ENLARGED RCP - BLDG C

1/8" = 1'-0"

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No.	Description	Date

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commission: NH-3138

sheet title: LEVEL 1 ENLARGED RCP - BLDG C

sheet number:

A1.06

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GENERAL ROOF NOTES

1. PENETRATION DETAILS SHOWN ARE TO BE APPROVED BY ROOFING MANUFACTURER.
2. ROOFING DETAILS TO COMPLY WITH THE LATEST EDITION OF SMACNA & NRCA MANUAL.
3. ALL COPING TO BE FASTENED PER ANSI SPRI ES-1 STANDARDS
4. WIND UPLIFT RATINGS TO BE VERIFIED WITH STRUCTURAL DESIGN CRITERIA, BUILDING HEIGHTS, PARAPET CONDITIONS, ETC. SEE STRUCTURAL DESIGN CRITERIA
5. COORDINATE DOWNSPOUT SIZE AND LOCATION WITH CIVIL.
6. MAINTAIN POSITIVE DRAINAGE ON ALL ROOF SURFACES, MINIMUM SLOPE OF 1/4" PER 1'-0"
7. SEE A6.04 FOR ALL ROOF PENETRATIONS.

DS MTL DOWNSPOUT TO MATCH EXG. SIZE AND LOCATE AS PER SMACNA GUIDELINES. VERIFY FINAL LOCATION WITH ARCHITECT. CONNECT TO SITE DRAINAGE OR PROVIDE CONC. SPLASH BLOCK. DO NOT PLACE DISCHARGE UPHILL OF EQUIPMENT, V.I.F.

NOTE : PROVIDE ROOF CURB @ ALL DUCTED ROOF PENETRATIONS. COORD. W/ MECH. DWGS.

1D A2.01
1C A2.01
7D A2.03
7E A2.03
MATCHLINE
5E A2.02
1E A2.02
5A A3.03
1F A2.02
1C A2.02
1F A2.01

EXG. MTL GUTTER
EXG. FIBERGLASS SHINGLE ROOF
FIBERGLASS CLASS A SHINGLES, SEE SECTIONS AND ELEVATIONS
PROVIDE OPEN VALLEY PRE-FINISHEDMTL FLASHING, TYP. CONFIRM UNDERLAYMENT AND SHINGLE COMPATIBILITY.
WORK AREA
BLDG OUTLINE
MTL GUTTER, SEE ELEVATIONS
1E A3.01
1A A3.01
6B A2.02
1B A2.02
6E A3.01
1C A3.01
1E A2.01
DS

1A ROOF PLAN

1/16" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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CONSTRUCTION DOCUMENTS

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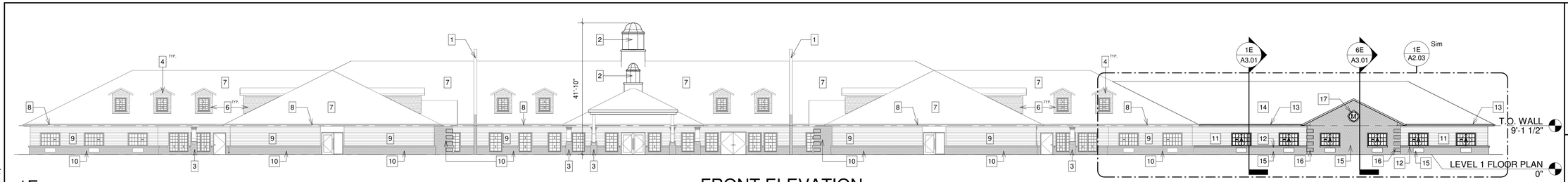
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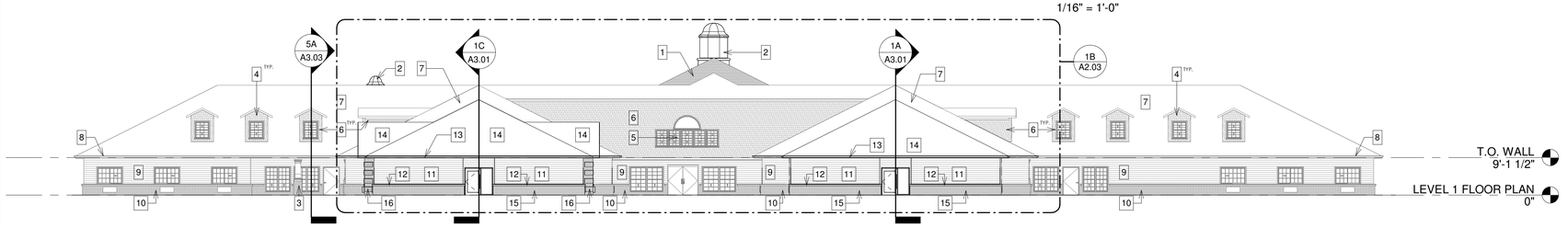
sheet title: ROOF PLAN

sheet number : A1.07



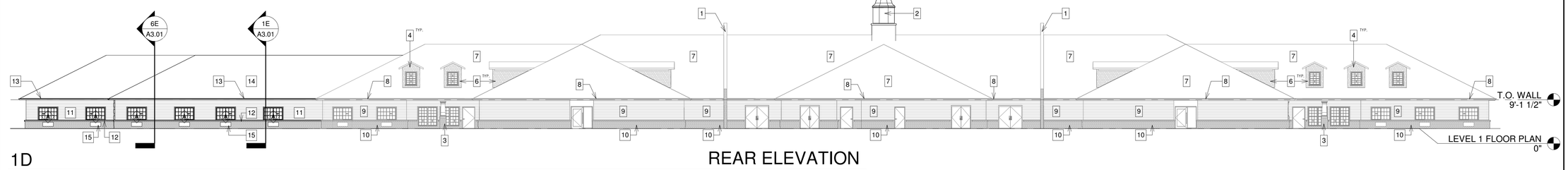
1F FRONT ELEVATION

1/16" = 1'-0"



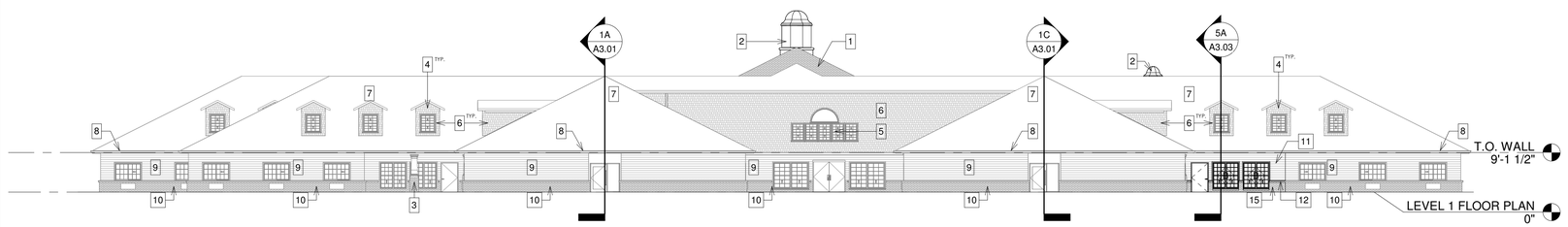
1E EXTERIOR ELEVATION - BLDG C EXTERIOR SIDE

1/16" = 1'-0"



1D REAR ELEVATION

1/16" = 1'-0"



1C EXTERIOR ELEVATION - BLDG A EXTERIOR SIDE

1/16" = 1'-0"

KEYED NOTES - ELEVATION

1. EXG. 2 HR MASONRY FIREWALL
2. EXG. FIBERGLASS CUPOLA
3. EXG. FIBERGLASS COLUMN WRAP W/ BRICK BASE
4. EXG. DORMER UNIT
5. EXG. PALLADIAN WINDOW UNIT
6. EXG. SHAKER STYLE FIBER CEMENT SIDING
7. EXG. FIBERGLASS SHINGLES
8. EXG. CONT. MTL GUTTERS
9. EXG. FIBER CEMENT SIDING
10. EXG. MASONRY VENEER
11. FIBER CEMENT SIDING TO MATCH EXG. IN TYPE, SPACING, AND FINISH
12. ROWLOCK COURSE TO MATCH EXG.
13. CONT. MTL GUTTERS TO MATCH EXG. TYPE, SIZE AND FINISH
14. CLASS A FIBERGLASS SHINGLES TO MATCH EXG.
15. MASONRY VENEER TO MATCH EXG.
16. MASONRY QUOINS, 5 COURSES TALL W/ 4 COURSE SPACE BETWEEN. TO MATCH EXG. QUOINS.
17. PROVIDE CIRCULAR MASONRY ROWLOCK JAMB/SURROUND TO MATCH EXG.

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

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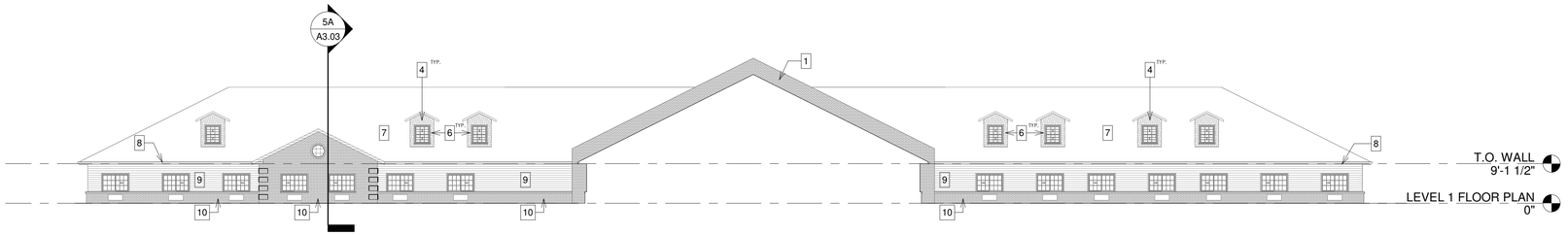
date: 02/18/2024

commission: NH-3138

sheet title:
EXTERIOR ELEVATIONS

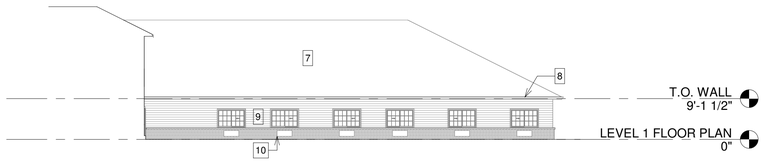
sheet number :

A2.01



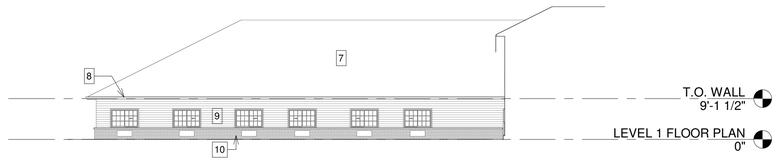
1F EXTERIOR ELEVATION - BLDG A INTERIOR SIDE

1/16" = 1'-0"



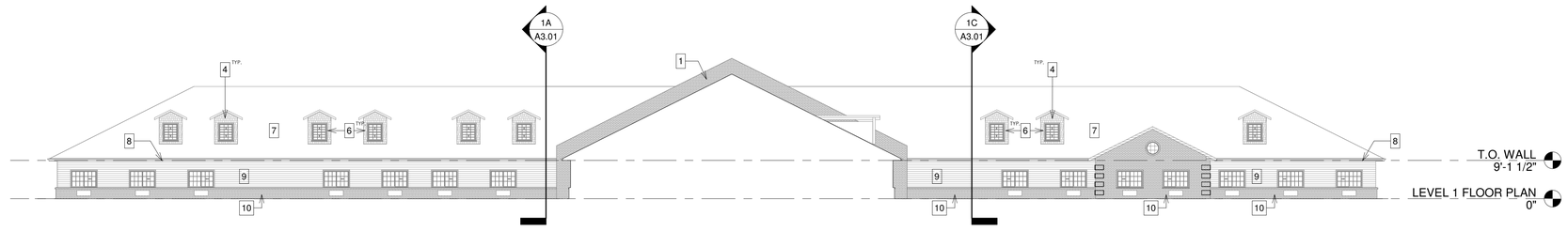
1E EXTERIOR ELEVATION - BLDG A COURTYRAD FRONT

1/16" = 1'-0"



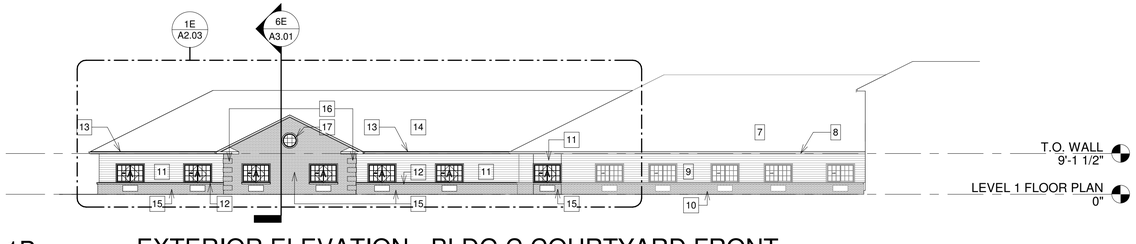
5E EXTERIOR ELEVATION - BLDG A COURTYARD REAR

1/16" = 1'-0"



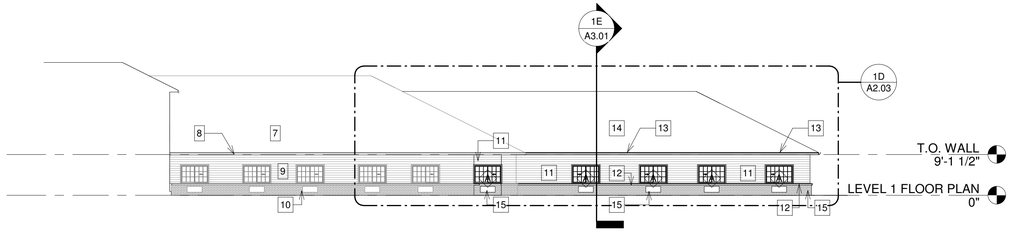
1C EXTERIOR ELEVATION - BUILDING C INTERIOR SIDE

1/16" = 1'-0"



1B EXTERIOR ELEVATION - BLDG C COURTYARD FRONT

1/16" = 1'-0"



6B EXTERIOR ELEVATION - BLDG C COURTYARD REAR

1/16" = 1'-0"

KEYED NOTES - ELEVATION

1 EXG. 2 HR MASONRY FIREWALL	6 EXG. SHAKER STYLE FIBER CEMENT SIDING	11 FIBER CEMENT SIDING TO MATCH EXG. IN TYPE, SPACING, AND FINISH	16 MASONRY QUOINS, 5 COURSES TALL W/ 4 COURSE SPACE BETWEEN. TO MATCH EXG. QUOINS.
2 EXG. FIBERGLASS CUPOLA	7 EXG. FIBERGLASS SHINGLES	12 ROWLOCK COURSE TO MATCH EXG.	17 PROVIDE CIRCULAR MASONRY ROWLOCK JAMB/SURROUND TO MATCH EXG.
3 EXG. FIBERGLASS COLUMN WRAP W/ BRICK BASE	8 EXG. CONT. MTL GUTTERS	13 CONT. MTL GUTTERS TO MATCH EXG. TYPE, SIZE AND FINISH	
4 EXG. DORMER UNIT	9 EXG. FIBER CEMENT SIDING	14 CLASS A FIBERGLASS SHINGLES TO MATCH EXG.	
5 EXG. PALLADIAN WINDOW UNIT	10 EXG. MASONRY VENEER	15 MASONRY VENEER TO MATCH EXG.	

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195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
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Revisions

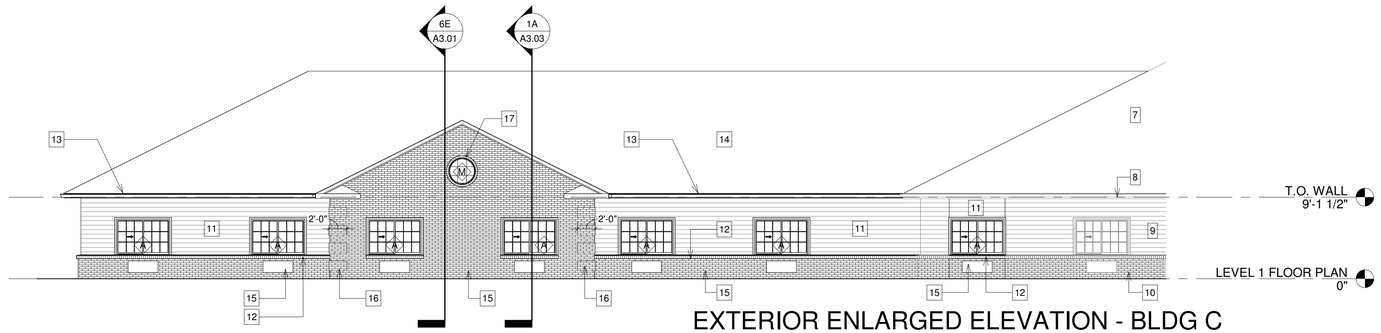
No.	Description	Date

date: 02/18/2024
commission: NH-3138

sheet title:
EXTERIOR ELEVATIONS

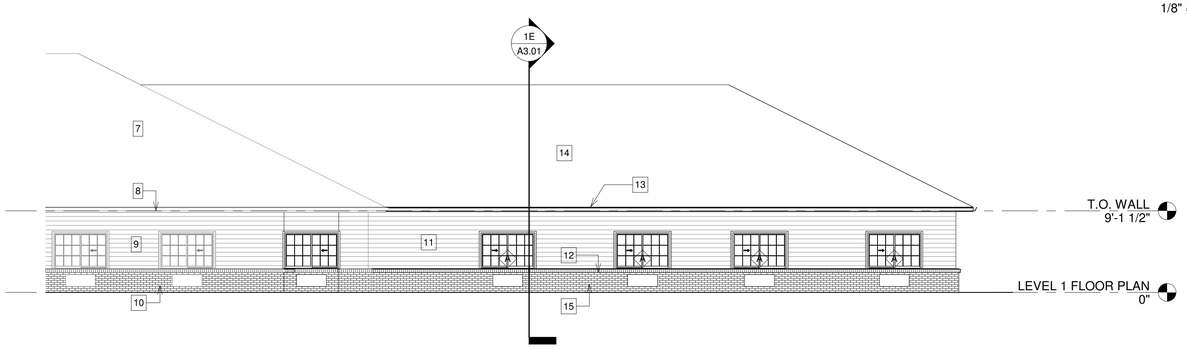
sheet number :
A2.02

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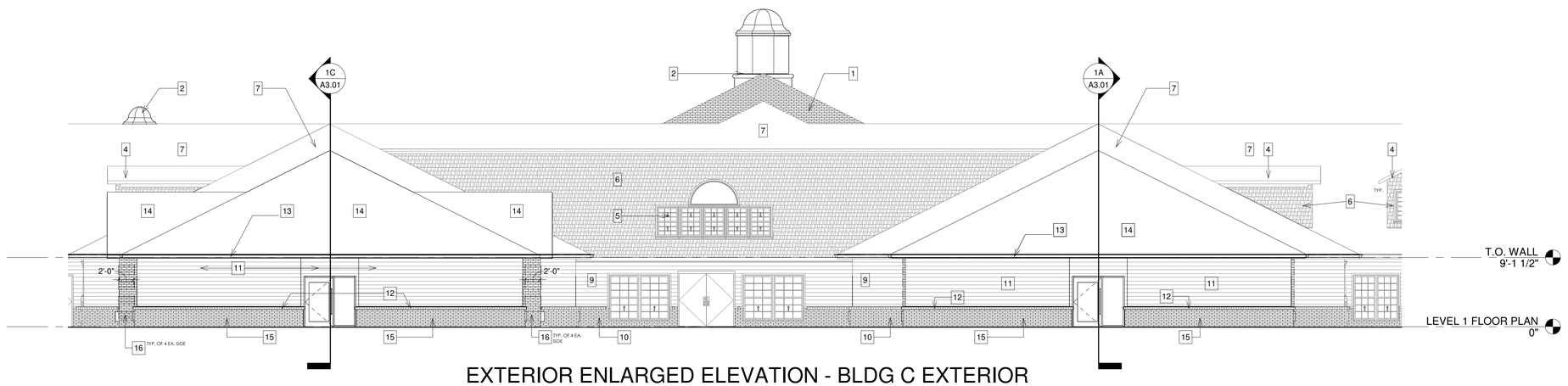
1E EXTERIOR ENLARGED ELEVATION - BLDG C COURTYARD FRONT

1/8" = 1'-0"



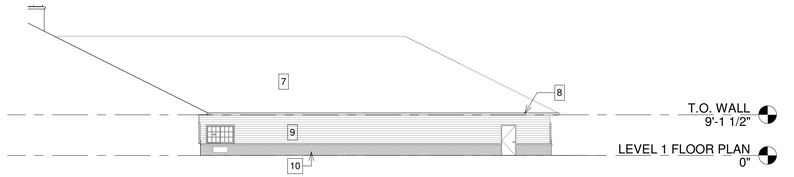
1D EXTERIOR ENLARGED ELEVATION - BLDG C COURTYARD REAR

1/8" = 1'-0"



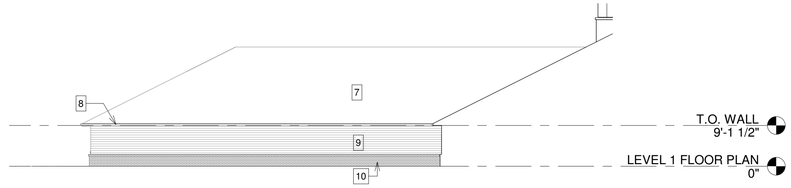
1B EXTERIOR ENLARGED ELEVATION - BLDG C EXTERIOR SIDE

1/8" = 1'-0"



7E EXTERIOR ELEVATION - BLDG B SIDE C

1/16" = 1'-0"



7D EXTERIOR ELEVATION - BLDG B SIDE A

1/16" = 1'-0"

KEYED NOTES - ELEVATION

1 EXG. 2 HR MASONRY FIREWALL	6 EXG. SHAKER STYLE FIBER CEMENT SIDING	11 FIBER CEMENT SIDING TO MATCH EXG. IN TYPE, SPACING, AND FINISH	16 MASONRY QUOINS, 5 COURSES TALL W/ 4 COURSE SPACE BETWEEN. TO MATCH EXG. QUOINS.
2 EXG. FIBERGLASS CUPOLA	7 EXG. FIBERGLASS SHINGLES	12 ROWLOCK COURSE TO MATCH EXG.	17 PROVIDE CIRCULAR MASONRY ROWLOCK JAMB/SURROUND TO MATCH EXG.
3 EXG. FIBERGLASS COLUMN WRAP W/ BRICK BASE	8 EXG. CONT. MTL GUTTERS	13 CONT. MTL GUTTERS TO MATCH EXG. TYPE, SIZE AND FINISH	
4 EXG. DORMER UNIT	9 EXG. FIBER CEMENT SIDING	14 CLASS A FIBERGLASS SHINGLES TO MATCH EXG.	
5 EXG. PALLADIAN WINDOW UNIT	10 EXG. MASONRY VENEER	15 MASONRY VENEER TO MATCH EXG.	

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KEITH E. WALES JR. 02/18/2024 13140 WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

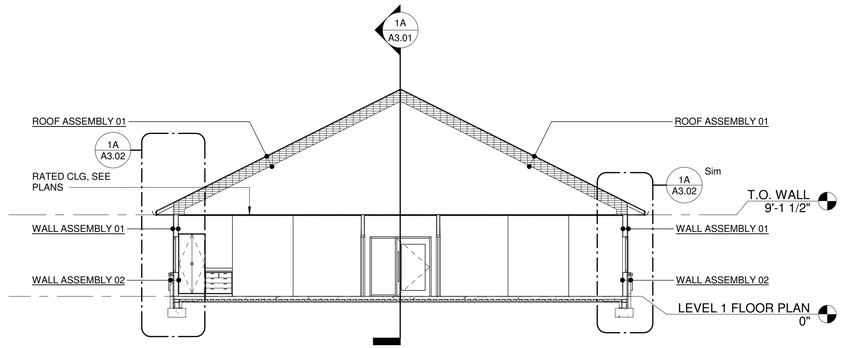
date: 02/18/2024

commission: NH-3138

sheet title:
EXTERIOR ELEVATIONS

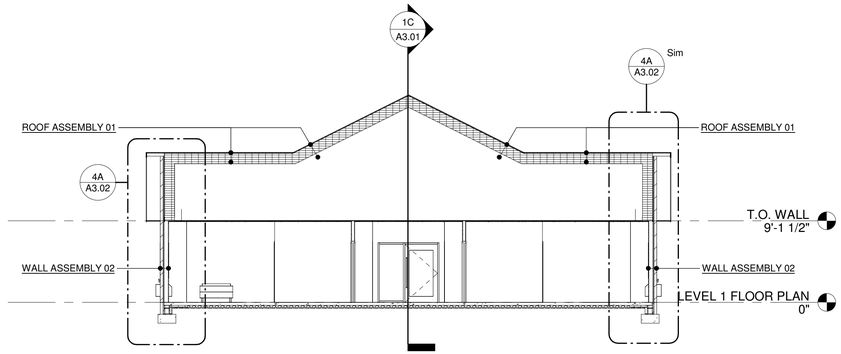
sheet number :

A2.03



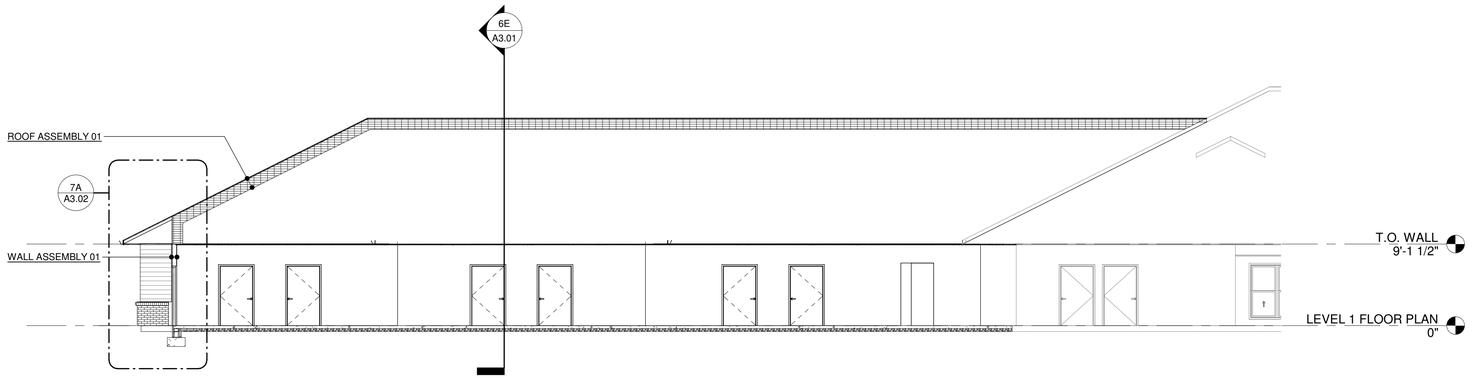
1E BUILDING SECTION 01

1/8" = 1'-0"



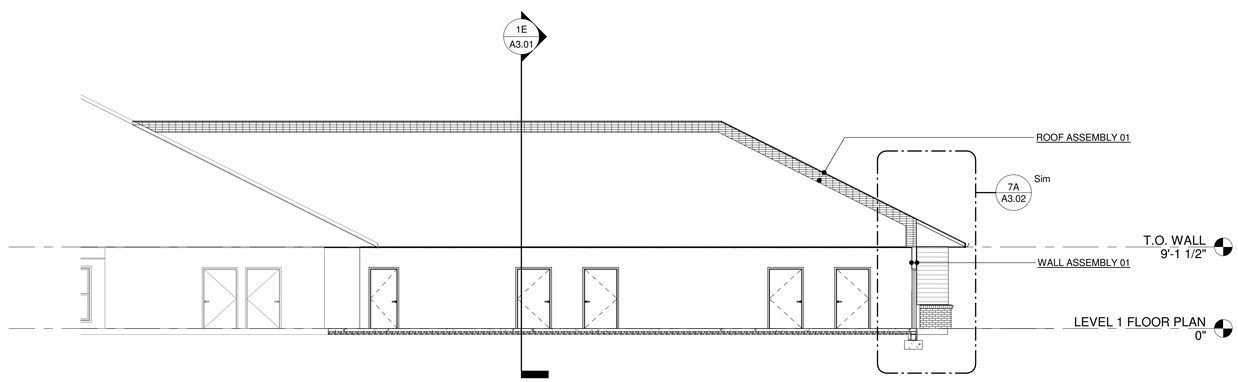
6E BUILDING SECTION 02

1/8" = 1'-0"



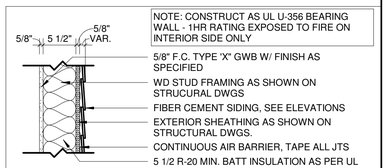
1C BUILDING SECTION 03

1/8" = 1'-0"



1A BUILDING SECTION 04

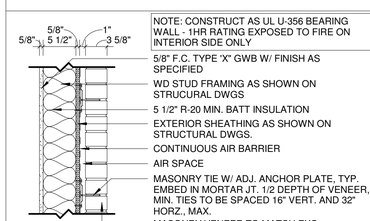
1/8" = 1'-0"



NOTE: CONSTRUCT AS UL U-356 BEARING WALL - 1HR RATING EXPOSED TO FIRE ON INTERIOR SIDE ONLY

- 5/8" F.C. TYPE "X" GWB W/ FINISH AS SPECIFIED
- WD STUD FRAMING AS SHOWN ON STRUCURAL DWGS
- FIBER CEMENT SIDING, SEE ELEVATIONS
- EXTERIOR SHEATHING AS SHOWN ON STRUCTURAL DWGS.
- CONTINUOUS AIR BARRIER, TAPE ALL JTS
- 5 1/2 R-20 MIN. BATT INSULATION AS PER UL

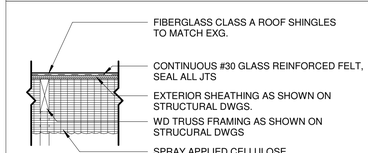
WALL ASSEMBLY 01 - UL U356



NOTE: CONSTRUCT AS UL U-356 BEARING WALL - 1HR RATING EXPOSED TO FIRE ON INTERIOR SIDE ONLY

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- AIR SPACE
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- MASONRY VENEER TO MATCH EXG.

WALL ASSEMBLY 02 - UL U356



- FIBERGLASS CLASS A ROOF SHINGLES TO MATCH EXG.
- CONTINUOUS #30 GLASS REINFORCED FELT, SEAL ALL JTS
- EXTERIOR SHEATHING AS SHOWN ON STRUCTURAL DWGS.
- WD TRUSS FRAMING AS SHOWN ON STRUCURAL DWGS
- SPRAY APPLIED CELLULOSE INSULATION, R-38 MIN. THICKNESS

ROOF ASSEMBLY 01

ASSEMBLIES

1" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

No.	Description	Date

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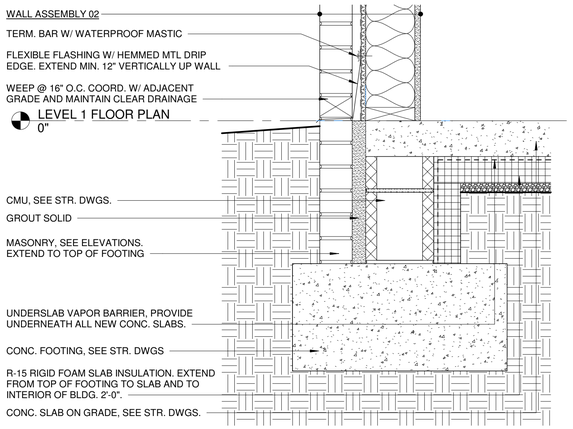
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sheet title:
BUILDING SECTIONS

sheet number :

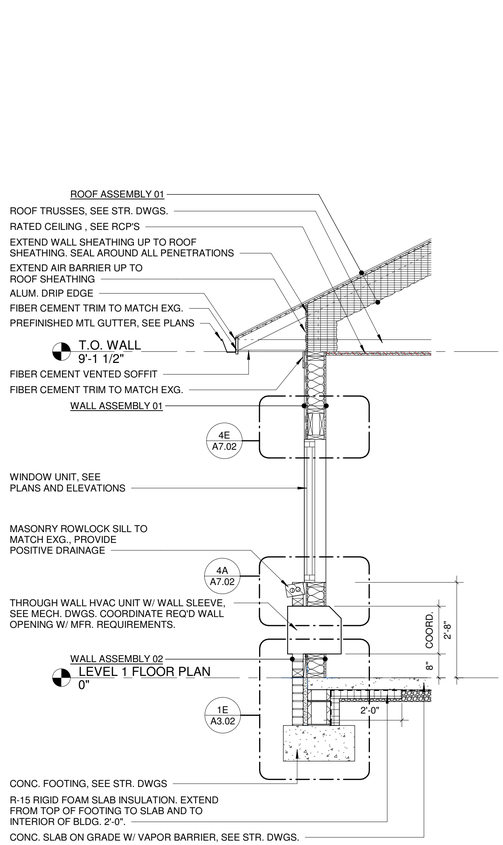
A3.01

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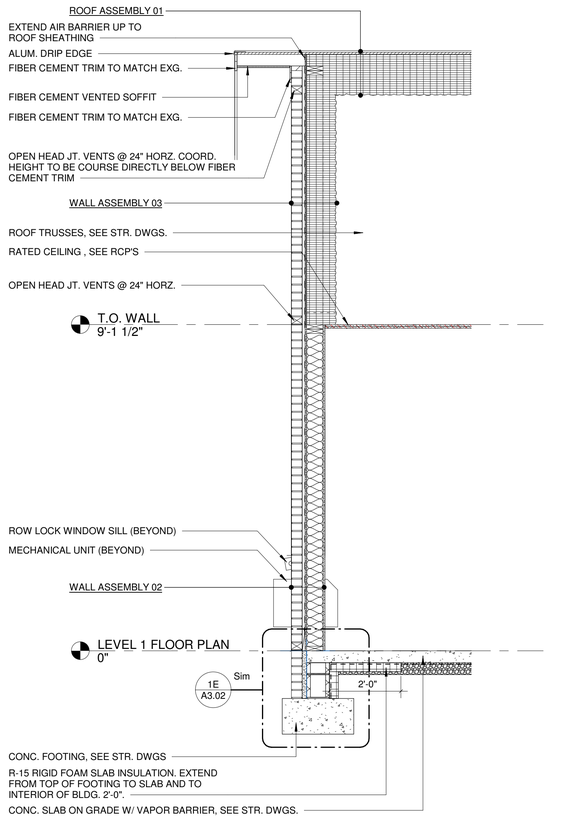
1E DETAIL SECTION - TYP. WALL BASE

1 1/2" = 1'-0"



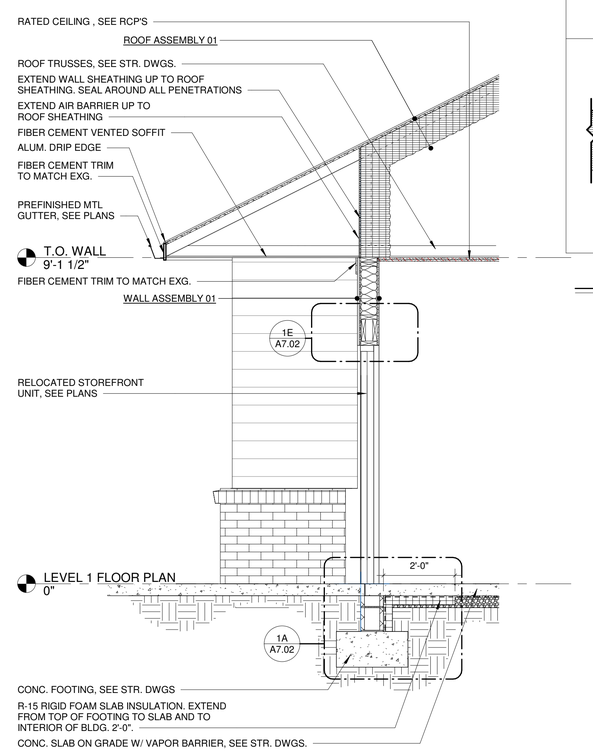
1A WALL SECTION 01

1/2" = 1'-0"



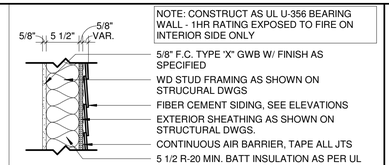
4A WALL SECTION 02

1/2" = 1'-0"

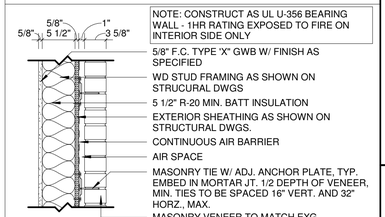


7A WALL SECTION 03

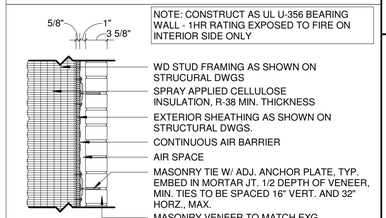
1/2" = 1'-0"



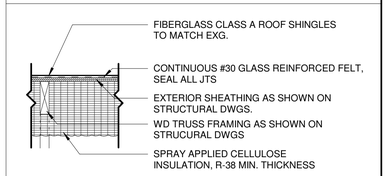
WALL ASSEMBLY 01 - UL U356



WALL ASSEMBLY 02 - UL U356



WALL ASSEMBLY 03



ROOF ASSEMBLY 01

ASSEMBLIES

1" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

No.	Description	Date

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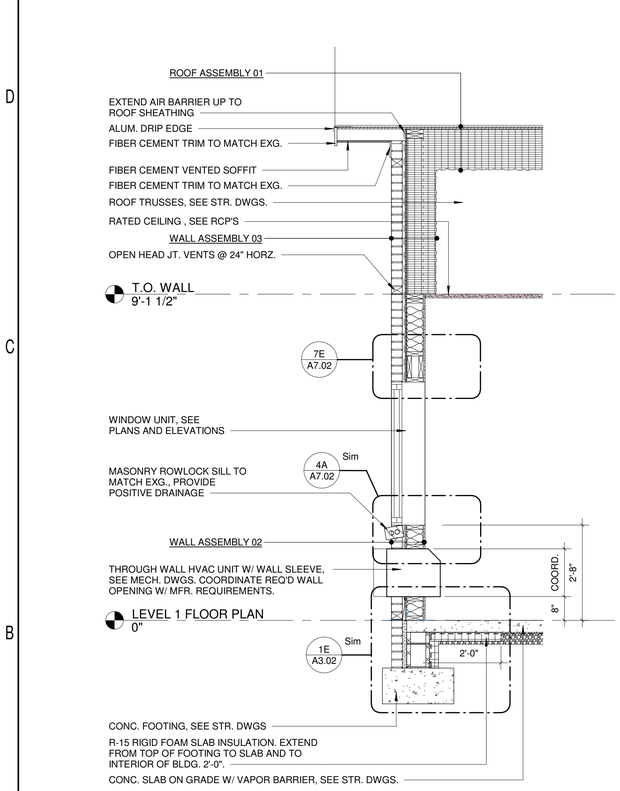
commission: NH-3138

sheet title:
WALL SECTIONS

sheet number :

A3.02

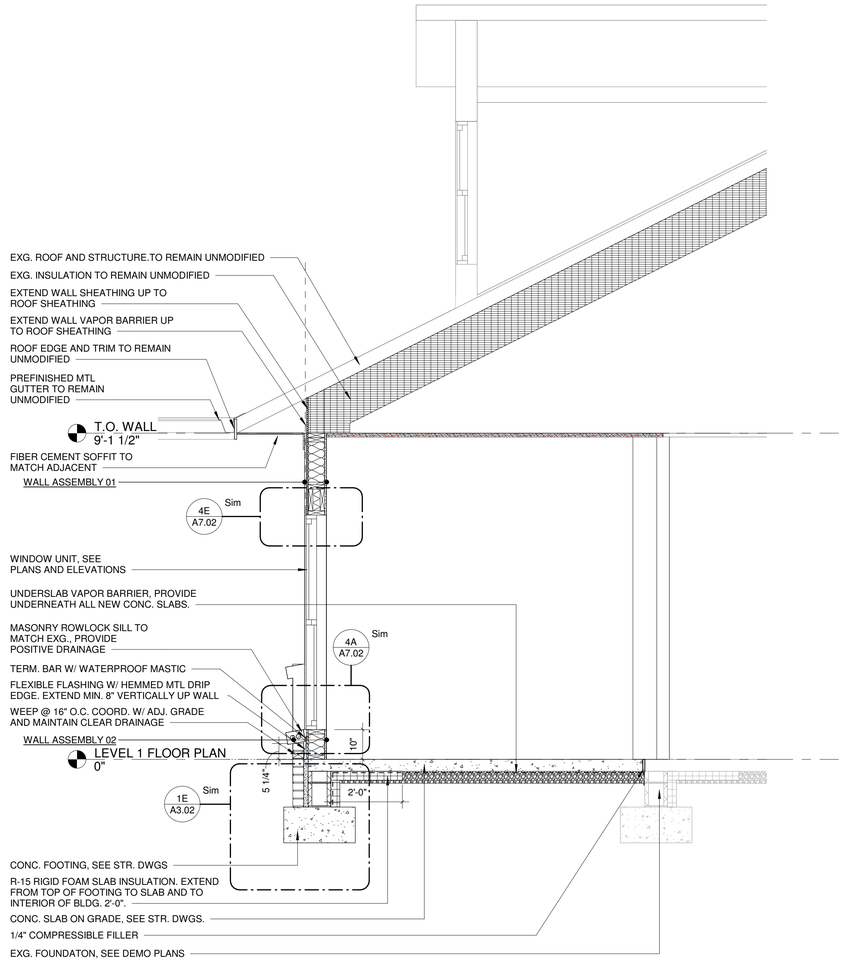
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1A

WALL SECTION 04

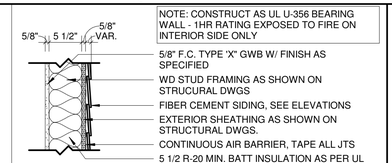
1/2" = 1'-0"



5A

WALL SECTION 05

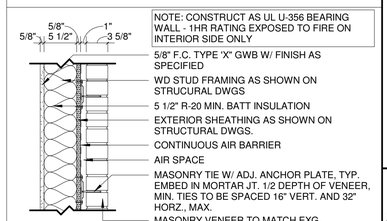
1/2" = 1'-0"



NOTE: CONSTRUCT AS UL U-356 BEARING WALL - 1HR RATING EXPOSED TO FIRE ON INTERIOR SIDE ONLY

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- FIBER CEMENT SIDING, SEE ELEVATIONS
- EXTERIOR SHEATHING AS SHOWN ON STRUCTURAL DWGS.
- CONTINUOUS AIR BARRIER, TAPE ALL JTS
- 5 1/2 R-20 MIN. BATT INSULATION AS PER UL

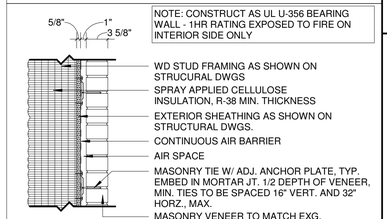
WALL ASSEMBLY 01 - UL U356



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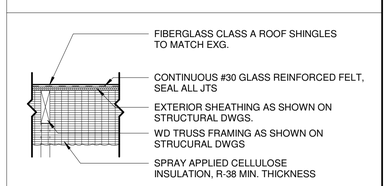
WALL ASSEMBLY 02 - UL U356



NOTE: CONSTRUCT AS UL U-356 BEARING WALL - 1HR RATING EXPOSED TO FIRE ON INTERIOR SIDE ONLY

- WD STUD FRAMING AS SHOWN ON STRUCURAL DWGS
- SPRAY APPLIED CELLULOSE INSULATION, R-38 MIN. THICKNESS
- EXTERIOR SHEATHING AS SHOWN ON STRUCTURAL DWGS.
- CONTINUOUS AIR BARRIER
- AIR SPACE
- MASONRY TIE W/ ADJ. ANCHOR PLATE, TYP. EMBED IN MORTAR JT. 1/2 DEPTH OF VENEER, MIN. TIES TO BE SPACED 16" VERT. AND 32" HORZ., MAX.
- MASONRY VENEER TO MATCH EXG.

WALL ASSEMBLY 03



- FIBERGLASS CLASS A ROOF SHINGLES TO MATCH EXG.
- CONTINUOUS #30 GLASS REINFORCED FELT, SEAL ALL JTS
- EXTERIOR SHEATHING AS SHOWN ON STRUCTURAL DWGS.
- WD TRUSS FRAMING AS SHOWN ON STRUCURAL DWGS
- SPRAY APPLIED CELLULOSE INSULATION, R-38 MIN. THICKNESS

ROOF ASSEMBLY 01

ASSEMBLIES

1" = 1'-0"

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KEITH E. WALES JR. REGISTERED LANDSCAPE ARCHITECT 02/18/2024 13140 WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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CONSTRUCTION DOCUMENTS

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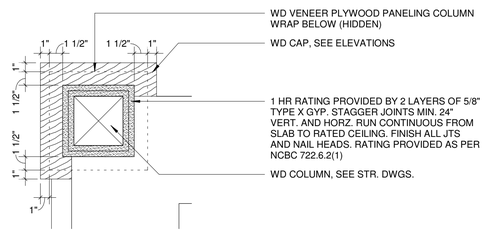
commission: NH-3138

sheet title: WALL SECTIONS

sheet number :

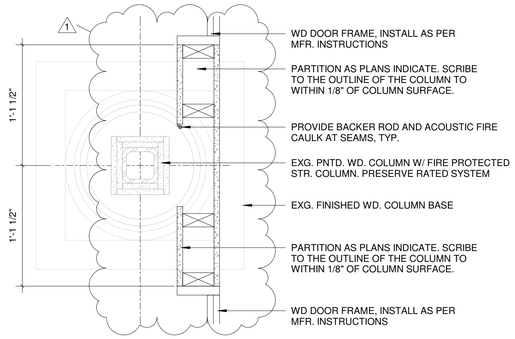
A3.03

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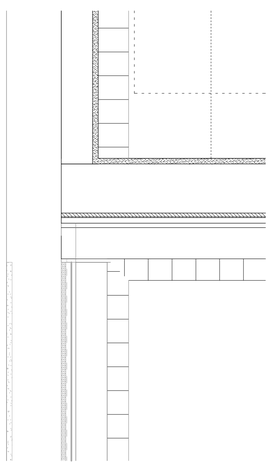
1D ENLARGED PLAN DETAIL - NURSING STATION COLUMN

1 1/2" = 1'-0"



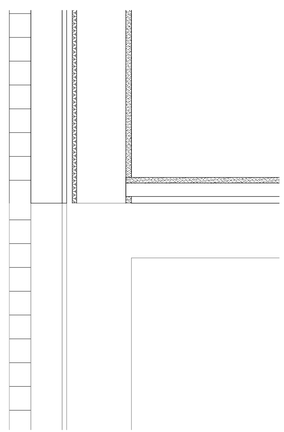
5D ENLARGED PLAN DETAIL - COMMUNITY RM. INTERIOR COLUMN

1 1/2" = 1'-0"



1A ENLARGED PLAN DETAIL - ADDITION EXT. WALL

1 1/2" = 1'-0"



5A ENLARGED PLAN DETAIL - COMMUNITY RM EXT. CORNER

1 1/2" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION
195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024
commission: NH-3138

sheet title:
ENLARGED PLAN DETAILS

sheet number :
A3.04

TOILET ACCESSORY SCHEDULE

KEY	DESCRIPTION		
TA1	SS GRAB BAR - 36"	BOBRICK	B-6806x36
TA2	SS GRAB BAR - 42"	BOBRICK	B-6806x42
TA3	SS GRAB BAR - 18"	BOBRICK	B-6806x18
TA4	SS GRAB BAR - 24"	BOBRICK	B-6806x24
TA5	SS GRAB BAR - 30"	BOBRICK	B-6806x30
TA6	TOWEL BAR 18" LONG	BOBRICK	B674x18
TA7	TOILET PAPER DISPENSER	BOBRICK	B-7685
TA8	WALL MOUNT SOAP DISPENSER	BY OWNER	OFOI
TA9	PAPER TOWEL DISPENSER	BY OWNER	OFOI
TA10	JANITORIAL SHELF	BOBRICK	B-295x16
TA11	SHOWER CURTAIN ROD	BOBRICK	B-6107
TA12	PRIVACY CURTAIN TRACK	ARNCO AR NELSON	1200CT
TA13	MOP HOOK RACK	BOBRICK	B-233x36
TA14	MIRROR 18" X 30"	BOBRICK	B-290-1830
TA15	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	
TA16	TUB SEAT	BY OWNER	OFOI
TA17	SHOWER SEAT	BARRIER FREE ARCH.	61-PA2802 (COORD. R/L)
TA18	SAN. NAP. DISP.	BOBRICK	B-270

NOTE 1:
PROVIDE/INSTALL BLOCKING FOR GRAB BAR SUPPORT - TYPICAL. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 LBS IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER MOUNTING DEVICE OR SUPPORTING STRUCTURE

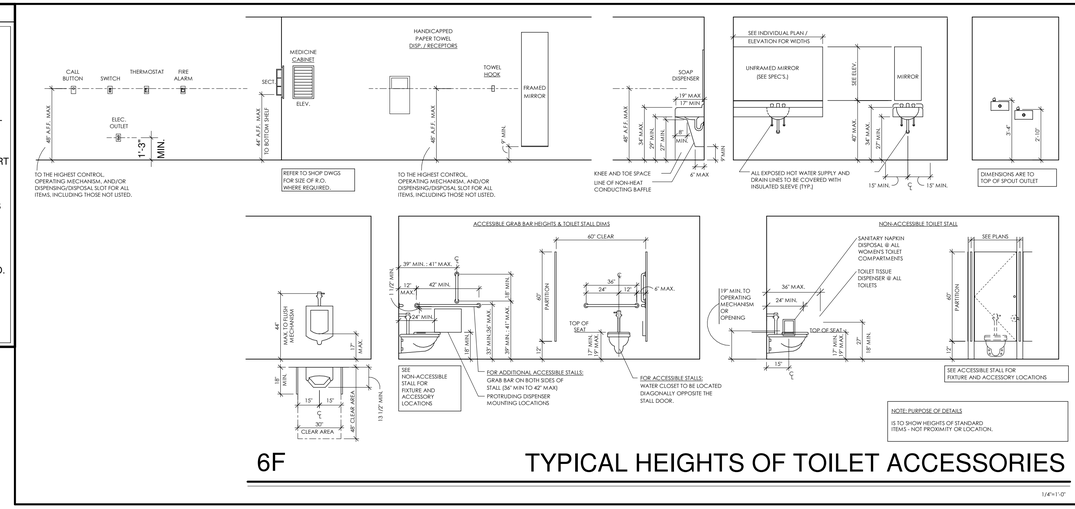
NOTE 2:
PROVIDE IN-WALL BLOCKING WITHIN WALL FOR SUPPORT OF ALL TOILET ACCESSORIES. COORD. WITH DWGS.

NOTE 3:
INSTALL IN-WALL BLOCKING FOR SHOWER SEAT SUFFICIENT TO SUPPORT 300LBS.

NOTE 4:
TOILET STALL DOORS TO BE SELF CLOSING AT ADA ACCESSIBLE STALLS

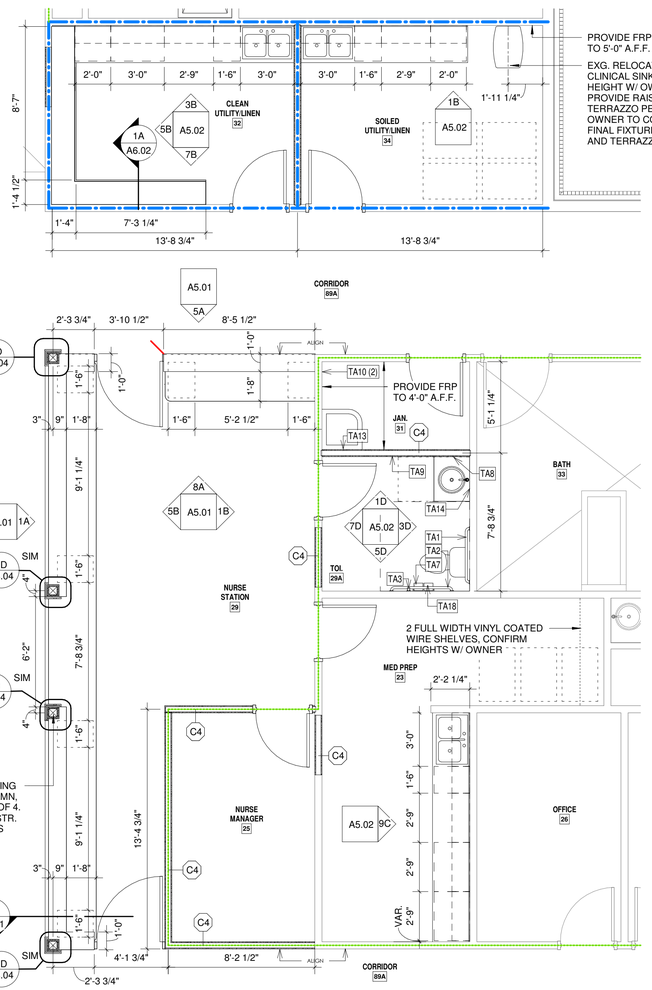
NOTE 5:
INSTALL 3/4" FRT PLYWOOD BACKING (24"h X 48"w MIN.) IN WALLS FOR BABY CHANGING STATION SUPPORT

NOTE 6:
MANUF. BOBRICK & TOTO ACCESSORIES TO BE "BASIS OF DESIGN" U.N.O.



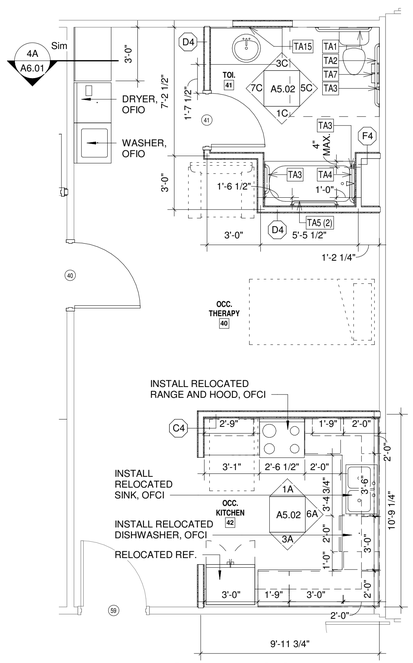
6F TYPICAL HEIGHTS OF TOILET ACCESSORIES

1/4"=1'-0"



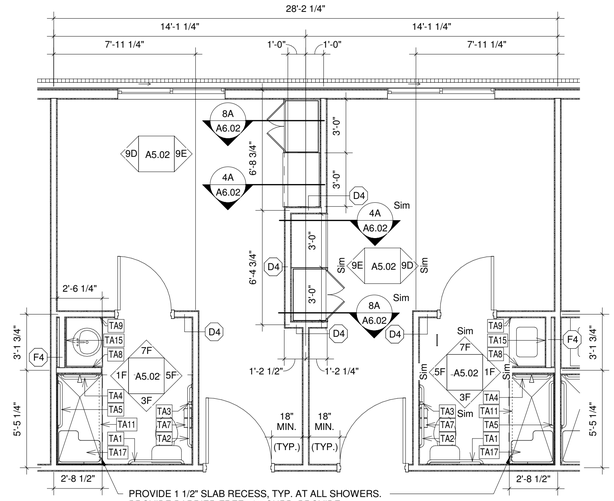
1A ENLARGED FLOOR PLAN - NURSING STATION

1/4" = 1'-0"



5A ENLARGED FLOOR PLAN - OCCUPATIONAL THERAPY

1/4" = 1'-0"



7A ENLARGED FLOOR PLAN - PVT. BEDROOMS - TYPE A

1/4" = 1'-0"

GENERAL NOTES - PLAN

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH 2018 NCBC AND ANY LOCAL CODES. CLEARANCES AND ACCESSIBILITY SHALL COMPLY WITH ANSI A117.1.
2. ALL PLAN DIMENSIONS ARE TO CENTER OF STUD & COLUMN CENTER LINE UNLESS NOTED OTHERWISE. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF STUD/STRUCTURE & COLUMN CENTERLINE UNLESS NOTED OTHERWISE.
3. SEE SHEET G1.02 FOR INTERIOR PARTITION TYPES AND RELATED DETAILS. SEE LIFE SAFETY DRAWINGS FOR FIRE RESISTANCE REQUIREMENTS FOR PARTITIONS.
4. PLANS MAY BE ROTATED FOR CLARITY. REFER TO NORTH ARROWS FOR ACTUAL ORIENTATION.
5. PROVIDE CONTROL JOINTS IN GYPSUM BOARD PARTITIONS AT 30'-0" MAX. LOCATION SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION. GYPSUM CONTROL JOINTS TO BE LOCATED AT DOOR FRAME CORNERS WHERE APPLICABLE.
6. REFER TO CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND UTILITY PADS FOR EQUIPMENT, WALKWAYS, ETC.
7. DISTANCE FROM BACK OF HINGE SIDE FRAME TO WALL SHALL BE 4" CLEAR, U.N.O. FOR INTERIOR HOLLOW METAL FRAMES.
8. FIRMLY PACK VOIDS AT METAL DECK FLUTES WITH MINERAL WOOL BATT INSULATION OR CLOSED CELL SPRAY FOAM AT ALL EXTERIOR WALL APPLICATIONS.
9. PROVIDE FIRE RETARDANT TREATED PLYWOOD BACKING AT ELECTRICAL PANELS, PROVIDE WOOD BLOCKING AS REQUIRED AT MILLWORK AND OTHER WALL MOUNTED ACCESSORIES TYPICAL.
10. COORDINATE WITH STRUCTURAL AND CIVIL DOCUMENTS FOR SLOPING SLABS, PEAKS AND VALLEYS.
11. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS AND HOSE BIBBS.
12. RE: CIVIL / LANDSCAPE DRAWINGS FOR REQUIREMENTS. CONCRETE SLAB OUTSIDE OF BUILDING FOOTPRINT.

KEYED NOTES - PLAN

1. EXG. TO REMAIN UNMODIFIED
2. REFRIGERATOR, OFCI
3. IN-OPERABLE DOOR, SEE ELEVATIONS
4. INFILL RECESSED SLAB LEVEL W/ ADJ. CONC. SLAB
5. PROVIDE BLOCKING FOR CONT. HANDRAIL IN ALL HALLWAYS. CONT. HANDRAIL IS OFIO. CONFIRM LOCATIONS W/ OWNER
6. JAN. SHELF AND MOP RACK. CONFIRM LOCATION W/ OWNER PRIOR TO INSTALLATION.
7. CORNER AND WALL GUARDS, OFOI IN ALL HALLWAYS
8. 3 DRAWER BASE CABINET, SEE MILLWORK AND INTERIOR DETAILS
9. (5) VINYL COATED WIRE FULL WIDTH SHELVES. CONFIRM SPACING W/ OWNER PRIOR TO INSTALLATION.
10. 14" DEEP PLAM SHELF TO MATCH WORKTOP @ 56" A.F.F. RUN SHELF FULL WIDTH OF WALL. PROVIDE BLOCKING AND SUPPORT AS REQ'D

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195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

No.	Description	Date

date: 02/18/2024

commission: NH-3138

sheet title:
ENLARGED PLANS

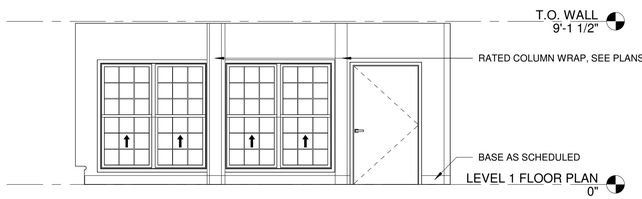
sheet number :
A4.01

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1F INTERIOR ELEVATION - RM 23 - 01

1/4" = 1'-0"



7F INTERIOR ELEVATION - RM 23 - 02

1/4" = 1'-0"



1E INTERIOR ELEVATION - RM 23 - 04

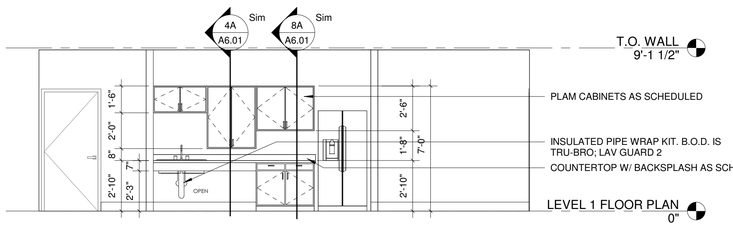
1/4" = 1'-0"

NOTES:
1. GC TO PROVIDE INSULATED PROTECTION OF ALL EXPOSED SUPPLY AND DRAIN PIPES. PIPE PROTECTION B.O.D. IS TRU-BRO; LAV GUARD 2

2. DO NOT INSTALL PIPES WITHIN ADA CLEAR KNEE SPACE. SEE TYP. ADA MOUNTING HEIGHTS TO VERIFY REQUIREMENTS. OFFSET PIPE INSTALLATION TO ALLOW FOR PIPE PROTECTION KIT OUTSIDE OF KNEE CLEARANCE.

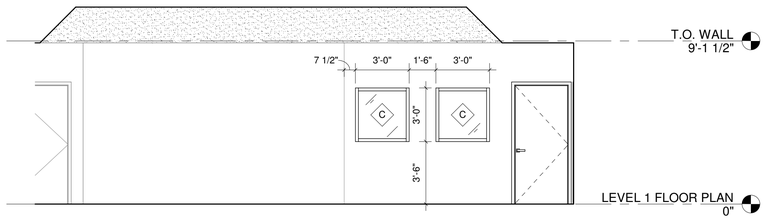
3. GC TO CCORDNATE LOCATION OF ELEC., TV OUTLET, AND TV MOUNT WITHIN PRIV. BR. W/ OWNER PRIOR TO COVERING UP FRAMING..

4. PROVIDE BLOCKING FOR TV MOUNT IN EA. PRIV. BR.



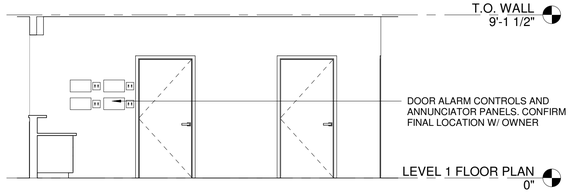
1C INTERIOR ELEVATION - RM 17

1/4" = 1'-0"



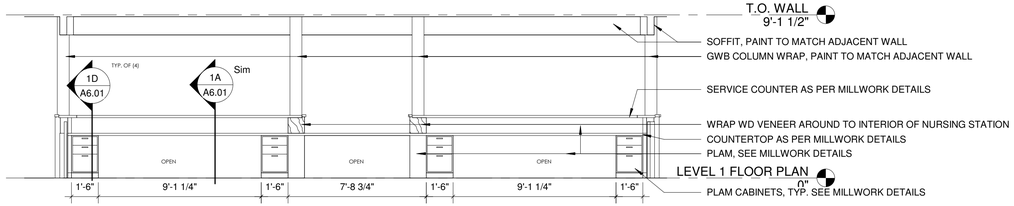
5C INTERIOR ELEVATION - RM 39

1/4" = 1'-0"



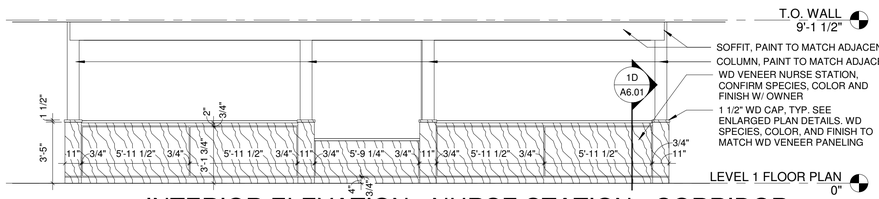
1B INTERIOR ELEVATION - NURSE STATION - INTERIOR 03

1/4" = 1'-0"



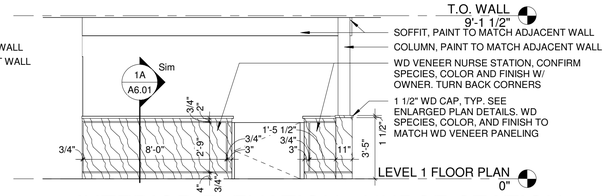
5B INTERIOR ELEVATION - NURSE STATION - INTERIOR 01

1/4" = 1'-0"



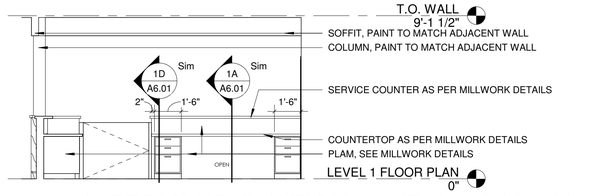
1A INTERIOR ELEVATION - NURSE STATION - CORRIDOR SIDE 01

1/4" = 1'-0"



5A INTERIOR ELEVATION - NURSE STATION - CORRIDOR SIDE 02

1/4" = 1'-0"



8A INTERIOR ELEVATION - NURSE STATION - INTERIOR 02

1/4" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

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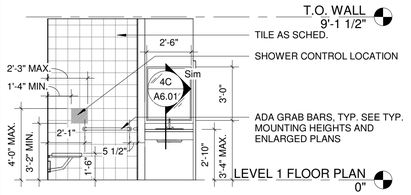
date: 02/18/2024

commission: NH-3138

sheet title:
INTERIOR ELEVATIONS

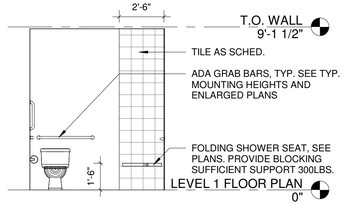
sheet number :
A5.01

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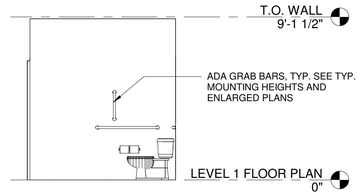
INTERIOR ELEVATION - 1F TYP. PRIV. BR - SINK SIDE

1/4" = 1'-0"



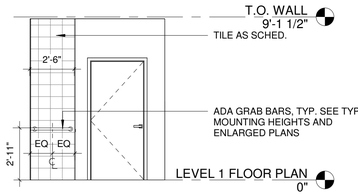
INTERIOR ELEVATION - TYP. PRIV. BR. - REAR WALL 3F

1/4" = 1'-0"



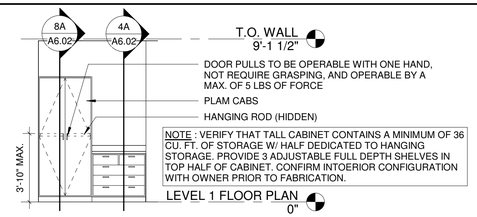
INTERIOR ELEVATION - 5F TYP. PRIV. BR. - W.C. SIDE

1/4" = 1'-0"



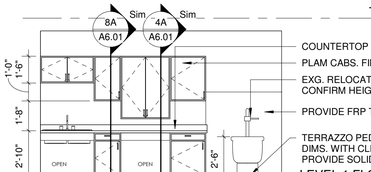
INTERIOR ELEVATION - TYP. PRIV. BR. - DOOR SIDE 7F

1/4" = 1'-0"



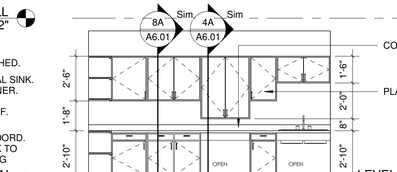
INTERIOR ELEVATION - TYP. PRIV. BR. - STORAGE CAB. 9E

1/4" = 1'-0"



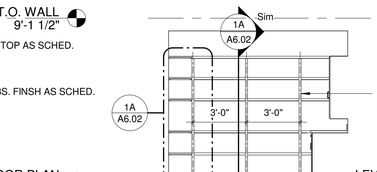
INTERIOR ELEVATION - 1D RM29A/48A - SINK SIDE

1/4" = 1'-0"



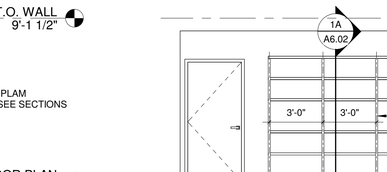
INTERIOR ELEVATION - 3D RM29A/48A - WET WALL

1/4" = 1'-0"



INTERIOR ELEVATION - 5D RM29A/48A - W.C. SIDE

1/4" = 1'-0"



INTERIOR ELEVATION - 7D RM29A/48A - DOOR SIDE

1/4" = 1'-0"



INTERIOR ELEVATION - 9D TYP PVT. BR

1/4" = 1'-0"

INTERIOR ELEVATION - 1C RM 41 - TUB SIDE

1/4" = 1'-0"

INTERIOR ELEVATION - 3C RM 41 - WET WALL

1/4" = 1'-0"

INTERIOR ELEVATION - 5C RM 41 - W.C. SIDE

1/4" = 1'-0"

INTERIOR ELEVATION - 7C RM 41 - DOOR SIDE

1/4" = 1'-0"

INTERIOR ELEVATION - 9C RM 23 - CABINETS

1/4" = 1'-0"

INTERIOR ELEVATION - 1B SOILED UTIL - CABINETS

1/4" = 1'-0"

INTERIOR ELEVATION - 3B CLEAN UTIL - CABINETS

1/4" = 1'-0"

INTERIOR ELEVATION - 5B CLEAN UTIL - SHELVES 01

1/4" = 1'-0"

INTERIOR ELEVATION - 7B CLEAN UTIL - SHELVES 02

1/4" = 1'-0"

INTERIOR ELEVATION - 1A RM 42 - COOKTOP SIDE

1/4" = 1'-0"

INTERIOR ELEVATION - RM 42 - REFRIDGERATOR SIDE 3A

1/4" = 1'-0"

INTERIOR ELEVATION - RM 42 - SINK SIDE 6A

1/4" = 1'-0"

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KEITH E. WALES JR. 02/18/2024 13140 WINSTON-SALEM, NC

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

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INTERIOR ELEVATIONS

sheet number :
A5.02

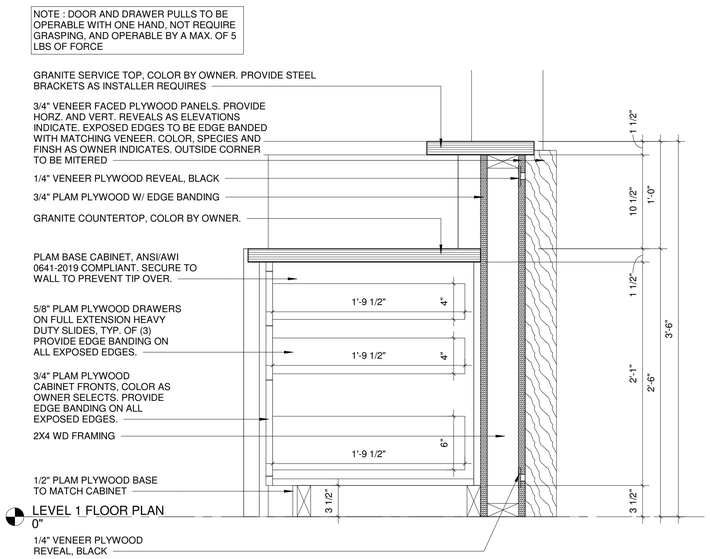
NOTES:
1. GC TO PROVIDE INSULATED PROTECTION OF ALL EXPOSED SUPPLY AND DRAIN PIPES. PIPE PROTECTION B.O.D. IS TRU-BRO; LAV GUARD 2

2. DO NOT INSTALL PIPES WITHIN ADA CLEAR KNEE SPACE. SEE TYP. ADA MOUNTING HEIGHTS TO VERIFY REQUIREMENTS. OFFSET PIPE INSTALLATION TO ALLOW FOR PIPE PROTECTION KIT OUTSIDE OF KNEE CLEARANCE.

3. GC TO CCORDNATE LOCATION OF ELEC., TV OUTLET, AND TV MOUNT WITHIN PRIV. BR. W/ OWNER PRIOR TO COVERING UP FRAMING..

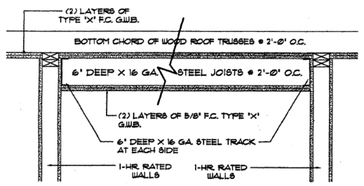
4. PROVIDE BLOCKING FOR TV MOUNT IN EA. PRIV. BR.

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1D MILLWORK SECTION - TYP, NURSE STATION CABINET

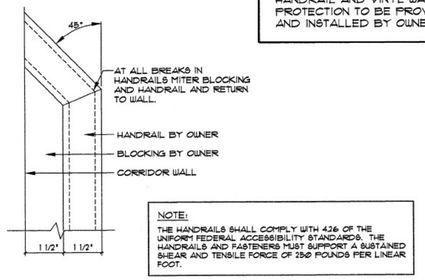
1 1/2" = 1'-0"



FACTORY MUTUAL TEST FC 205-1
GYPSUM ASSOCIATION FC-4503

5E 1 HR HORZ. SEPERATION

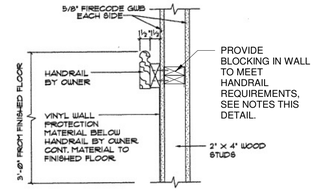
NTS



NOTE:
HANDRAIL AND VINYL WALL PROTECTION TO BE PROVIDED AND INSTALLED BY OWNER.

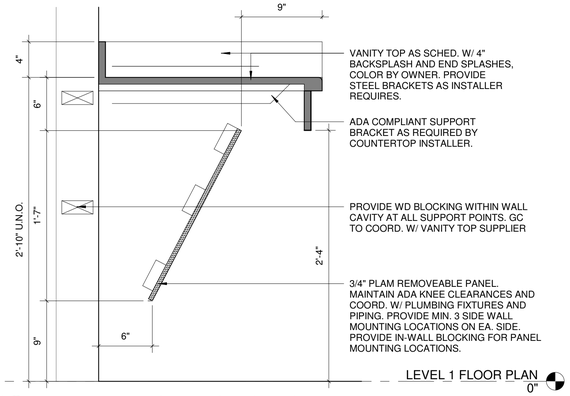
NOTE:
THE HANDRAILS SHALL COMPLY WITH 426 OF THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS. THE HANDRAILS AND FASTENERS MUST SUPPORT A SUSTAINED SHEAR AND TENSILE FORCE OF 250 POUNDS PER LINEAR FOOT.

NOTE
BLOCKING AND HANDRAILS TO BE PROVIDED IN ALL CORRIDORS INCLUDING RENOVATION AREAAS. CONFIRM EXTENTS WITH OWNER.



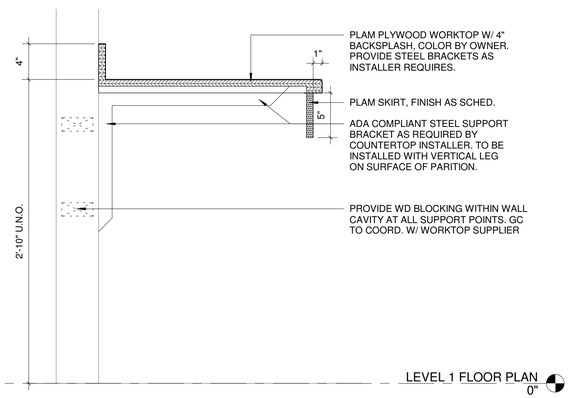
7E CORRIDOR HANDRAIL

NOT TO SCALE



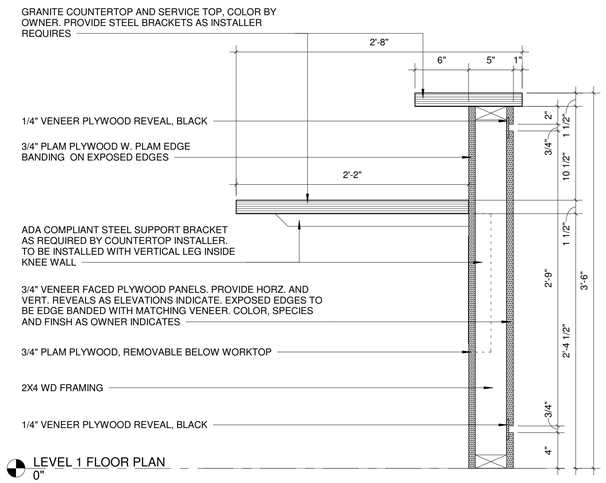
4C MILLWORK SECTION - TYP. VANITY TOP

1 1/2" = 1'-0"



4A MILLWORK SECTION - TYP. WORKTOP

1 1/2" = 1'-0"



1A MILLWORK SECTION - NURSE STATION

1 1/2" = 1'-0"

8A MILLWORK SECTION - TYP. CABINETS @ COUNTERTOP

1 1/2" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

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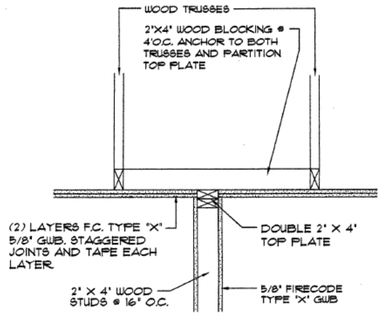
date: 02/18/2024
commission: NH-3138

sheet title:
MILLWORK & INTERIOR DETAILS

sheet number :

A6.01

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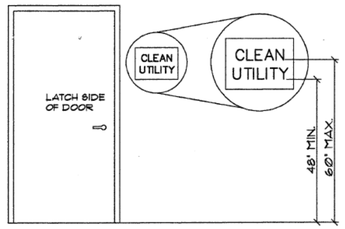


1E PARTITION PARALLEL TO TRUSS

1" = 1'-0"

NOTE: ALL SIGNAGE PROVIDED BY THE OWNER SHALL COMPLY WITH ALL MOUNTING HEIGHTS, CHARACTER AND BRAILLE REQUIREMENTS OF ANSI A117.1-03.

SIGNAGE TO BE PROVIDED & INSTALLED BY OWNER



NOTES:
CHARACTER PROPORTIONS:
WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 3:5 & 1:1. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10

CHARACTER HEIGHT: MIN. CHARACTER HEIGHT SHALL BE 3".

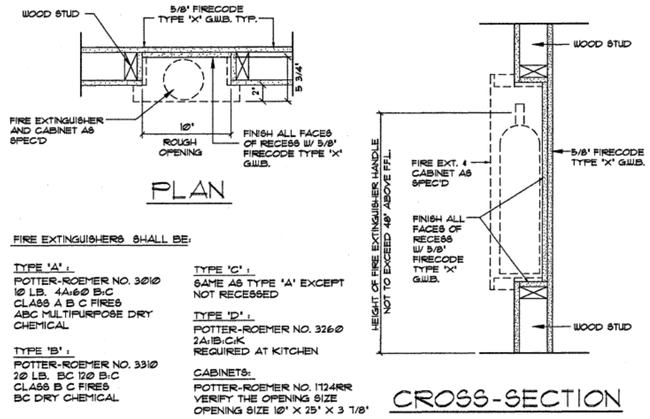
RAISED & BRAILLED CHARACTERS & PICTORIAL SYMBOL SIGNS (PICTOGRAMS): RAISED 1/32" MIN. UPPER CASE, SANS SERIF OR SIMPLE SERIF ACCOMPANIED W/ GRADE 2 BRAILLE. RAISED CHARACTERS AT LEAST 5/8" HIGH, NO HIGHER THAN 2". PICTO. ACCOMPANIED BY EQUIVALENT DESCRIPTION DIRECTLY BELOW PICTOGRAM. BORDER DIMENSION 6" MIN. HT.

FINISH & CONTRAST: CHARACTERS & BACKGROUND EGGSHELL, MATTE OR OTHER NON-GLARE FINISH SHALL CONTRAST WITH BACKGROUND - EITHER LIGHT ON DARK OR DARK ON LIGHT.

MOUNTING LOCATION & HEIGHT: PERMANENT IDENTIFICATION INSTALLED ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE ADJACENT TO THE LATCH SIDE, PLACE ON NEAREST ADJACENT WALL. MOUNTING HEIGHT 48" TO 60" ABOVE FIN. FLOOR TO CENTERLINE OF SIGNAGE. DO NOT MOUNT WITHIN APPROACH 1/2 W 3" OF SIGNAGE SHOT PROTRUSIONS OR SWING OF DOOR.

4E TYP. SIGNAGE

1/2" = 1'-0"



FIRE EXTINGUISHERS SHALL BE:

TYPE 'A' :
POTTER-ROEMER NO. 3010
10 LB. 4A:60 B:C
CLASS A B C FIRES
ABC MULTIPURPOSE DRY CHEMICAL

TYPE 'B' :
POTTER-ROEMER NO. 3310
20 LB. BC 120 B:C
CLASS B C FIRES
BC DRY CHEMICAL

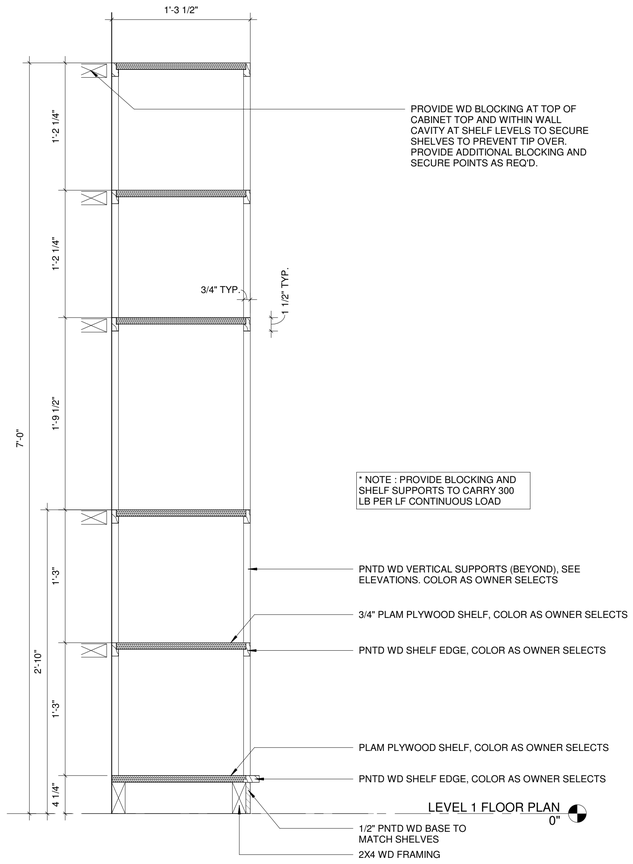
TYPE 'C' :
SAME AS TYPE 'A' EXCEPT NOT RECESSED

TYPE 'D' :
POTTER-ROEMER NO. 3260
2A:1B:C:K
REQUIRED AT KITCHEN

CABINETS:
POTTER-ROEMER NO. 1124RR
VERIFY THE OPENING SIZE
OPENING SIZE 10" X 25" X 3 7/8"

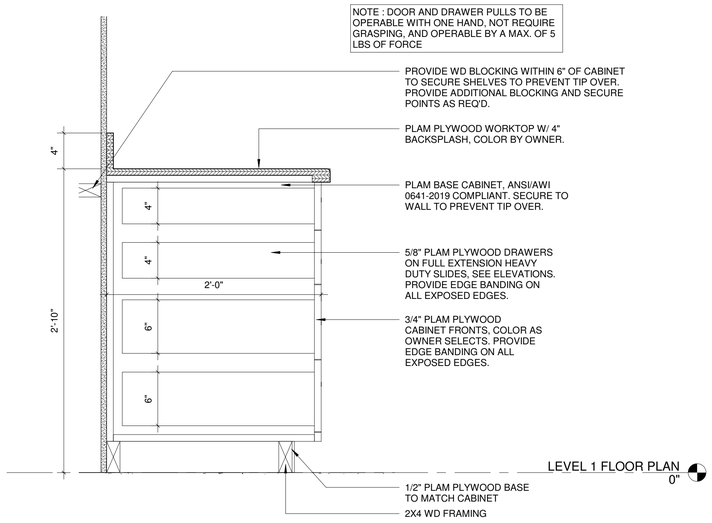
8E FIRE EXTIGUISHER CABINET

NTS



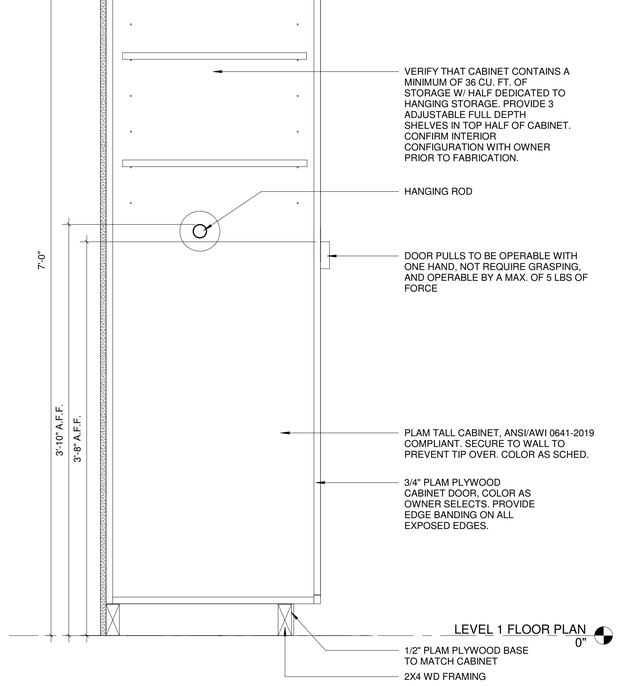
1A MILLWORK SECTION - TYP. CLEAN UTIL. SHELVES

1 1/2" = 1'-0"



4A MILLWORK SECTION - TYP. PRIV. BR. DRAWERS

1 1/2" = 1'-0"



8A MILLWORK SECTION - TYP. PRIV. BR. TALL CABINET

1 1/2" = 1'-0"

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KEITH E. WALES JR. 02/18/2024 13140 WINSTON-SALEM, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2024

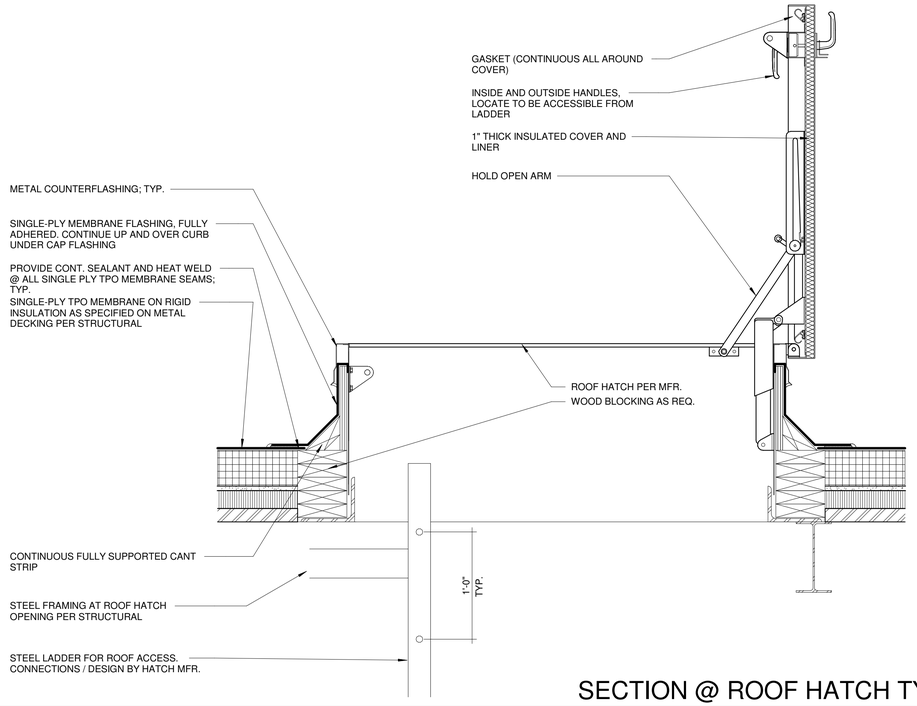
commission: NH-3138

sheet title:
MILLWORK & INTERIOR DETAILS

sheet number :

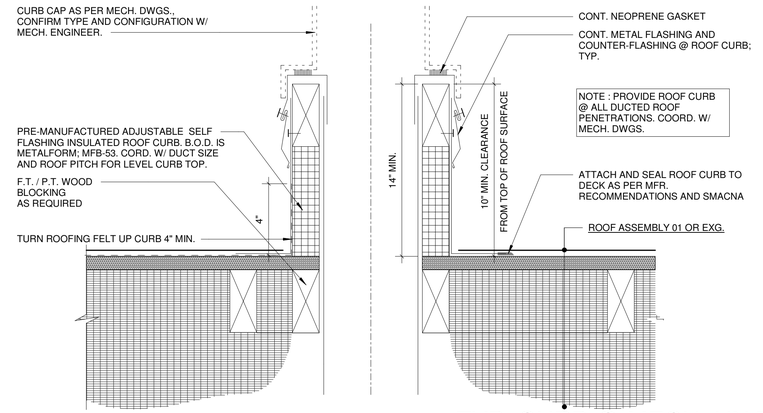
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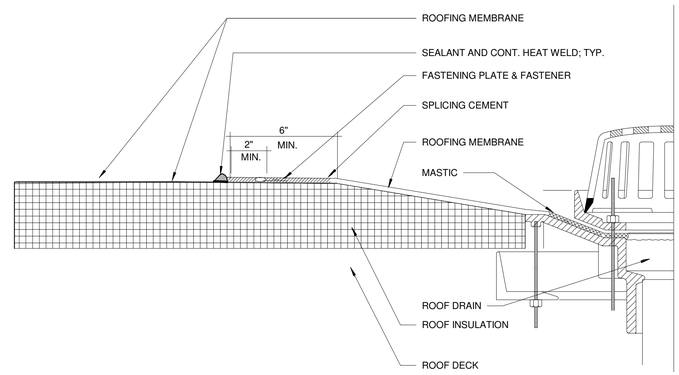
2C SECTION @ ROOF HATCH TYP.

1 1/2" = 1'-0"



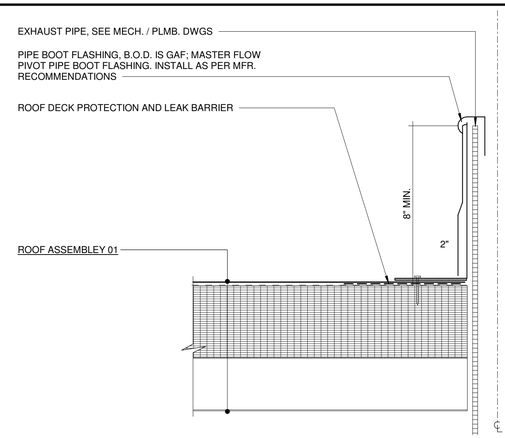
7B TYP. CURB @ MECH. UNITS

3" = 1'-0"



7D ROOF DRAIN DETAIL TYP.

3" = 1'-0"



7F WASTE STACK PENETRATION TYP.

3" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

No.	Description	Date

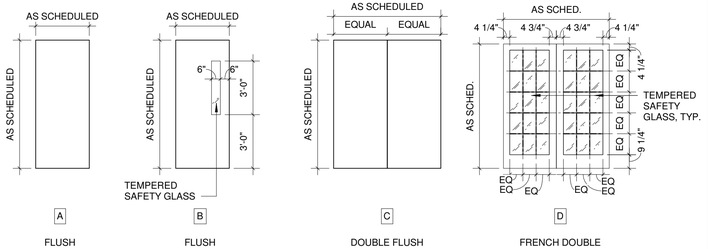
date: 02/18/2024

commission: NH-3138

sheet title:
TYP. ROOF DETAILS

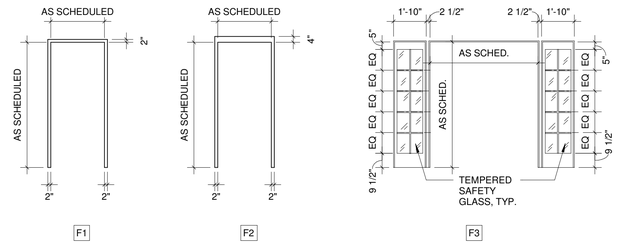
sheet number :
A6.04

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1F DOOR TYPES

1/4" = 1'-0"



5F FRAME TYPES

1/4" = 1'-0"

TRIM GENERAL NOTES

1. WD DOOR ARE TO BE PNTD; COLOR AS OWNER SELECTS

2. ALL OTHER DOOR FRAMES TO BE PA-13, SEE FINISH SCHEDULE. DOORS ARE FINISHED AS OWNER SELECTS.

DOOR GENERAL NOTES

1. ALL EXTERIOR HOLLOW METAL DOORS TO BE INSULATED (R-3 MINIMUM)
2. ALL EXTERIOR HOLLOW METAL DOORS & FRAMES TO BE GALVANIZED
3. HARDWARE LEGEND AND SCHEDULE
4. NOT USED
5. COORDINATE FRAME SIZE WITH DETAILS, WALL TYPES & FINISHES
6. ALL MAGNETIC LOCKED DOORS TO COMPY WITH NCBC 407.11 SPECIAL LOCKING ARRANGEMENT FOR I-2:1

DOOR ABBREVIATIONS

HM	HOLLOW METAL
WD	WOOD
AC	ALUMINUM CLAD WOOD
FG	FIBERGLASS
ALUM	ALUMINUM
MET	METAL
SCW	SOLID CORE WOOD VENEER

HARDWARE SCHEDULE

SET	ITEMS
A	1,3,5,7,9,25
B	1,3,5,9,17
C	1,8,14,18,26
D	1,10,14,18
E	1,8,10,13
F	1,7,8,11,13,15
G	1,8,9,15,17,22
H	1,9,15,17,19,25
I	1,4,8,9,15,17,25
J	1,8,9,15,17,19,25
K	1,4,8,9,15,17

SET	ITEMS
L	1,3,8,9,15,17,25
M	1,5,9,17,19
N	1,5,15,16,17,19
O	1,8,9,15,17,19
P	1,7,8,13,14,26
Q	1,4,8,9,15,17
R	1,8,9,16,13
S	1,8,9,15,17,19
T	1,8,9,13,24,25
U	1,8,9,15,17,26,27
V	1,8,15,17,23,24,26,27
W	1,15,17,9

LEGEND- HARDWARE SET

1) FULL MORTISE BALL BEARING HINGES
2) FULL MORTISE AVERAGE FREQUENCY HINGES
3) LEVER HANDLE PASSAGE LATCH
4) LEVER HANDLE PRIVACY LOCK
5) ORBIT KEYLOCK (OFFICE FUNCTION)
6) VON DUPRIN 99/9927- FIRE EXIT VERTICAL ROD EXIT DEVICE
7) PUSH-PULL SET
8) CLOSER
9) WALL MOUNTED DOOR BUMPER WITH ADEQUATE WOOD BLOCKING
10) UL LISTED EXIT DEVICE WITH EXTERIOR PULL AND KEYLOCK
11) ELECTRONIC HOLD-OPEN DEVICE TIED TO FIRE ALARM SYSTEM
12) SURFACE MOUNTED OVERHEAD DOOR STOP
13) METAL ASTRAGAL
14) ALUMINUM THRESHOLD W/ DOOR SWEEP
15) 16" HIGH KICK PLATE- VARYING WIDTH
16) STRIKE BOLTS
17) DOOR SILENCERS
18) WEATHER STRIPPING
19) LEVER HANDLE LOCKSET (OFFICE FUNCTION)
20) ORBIT KEYLOCK (STORAGE FUNCTION)
21) FLOOR STOP
22) LEVER HANDLE LOCKSET (STORAGE FUNCTION)
23) AUTOMATIC FLUSH BOLTS
24) DOOR COORDINATOR
25) SMOKE GASKETING
26) MAGNETIC DOOR LOCK
27) KEYPUNCH LEVER HANDLE LOCKSET

NOTE:
CONTRACTOR TO COORDINATE LOCATION OF CENTER BAR OF DOOR WITH THAT OF ADJACENT DOOR PAIRS.
SEE DOOR AND FRAME SCHEDULE FOR DOOR AND FRAME MATERIALS.
ALUMINUM DOOR PANIC DEVICES TO BE CONCEALED ROSS
WITH FLUSH PANIC DEVICES INTERGRATED INTO DOOR.

LRDA : LEAKAGE RATED DOOR ASSEMBLY FOR SMOKE AND DRAFT CONTROL SHALL MEET UL 1784

DOOR & FRAME SCHEDULE

Door						Frame					Fire Rating	Hardware	Remarks
Number	Width	Height	Thickness	Material	Type	Material	Type	Head	Jamb	Sill			
LEVEL 1 FLOOR PLAN													
20	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	
21	3'-8"	6'-6"	2"	ALUM	EXG	EXG	EXG	1E/A7.02	1C/A7.02	1A/A7.02	-	EXG	RELOCATED, SEE DEMO DWGS
22	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	
23	3'-0"	6'-8"	1 3/4"	ALUM	EXG	ALUM	EXG	1E/A7.02	1C/A7.02	1A/A7.02	-	EXG	RELOCATED, SEE DEMO DWGS
23A	6'-0"	7'-0"	1 1/2"	SCW	D	WD	F3	MFR	MFR	7A/A7.02	LRDA	D	
23B	6'-0"	7'-0"	1 1/2"	SCW	D	WD	F3	MFR	MFR	7A/A7.02	LRDA	D	
23C	6'-0"	7'-0"	1 1/2"	SCW	D	WD	F3	MFR	MFR	7A/A7.02	LRDA	D	
24	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	
25	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	
26	3'-8"	6'-6"	2"	ALUM	EXG	ALUM	EXG	1E/A7.02	1C/A7.02	1A/A7.02	-	EXG	RELOCATED, SEE DEMO DWGS
28	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	PROVIDE (2) 2X10 HEADER AT NEW DOOR OPENING
29A	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	I	
29B	3'-8"	3'-1 3/4"	1 3/4"	PLAM	A	WD	-	-	-	-	-	-	PROVIDE HINGES AND MAGNETIC CATCH
29C	3'-8"	3'-1 3/4"	1 3/4"	PLAM	A	WD	-	-	-	-	-	-	PROVIDE HINGES AND MAGNETIC CATCH
30	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	PROVIDE (2) 2X10 HEADER AT NEW DOOR OPENING
32	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
34	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
39A	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
39B	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	G	
39C	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	M	
40	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
41	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
44	3'-8"	6'-8"	1 3/4"	SCW	B	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	U	
44A	6'-0"	7'-0"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	G	
45	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	PROVIDE (2) 2X10 HEADER AT NEW DOOR OPENING
46	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	
47	3'-0"	6'-8"	1 3/4"	SCW	B	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	U	
48A	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	I	
48B	3'-8"	3'-1 3/4"	1 3/4"	PLAM	A	WD	-	-	-	-	-	-	PROVIDE HINGES AND MAGNETIC CATCH
48C	3'-8"	3'-1 3/4"	1 3/4"	PLAM	A	WD	-	-	-	-	-	-	PROVIDE HINGES AND MAGNETIC CATCH
49	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
50	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	U	
51	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
81	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
84	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
85	3'-8"	6'-8"	1 3/4"	SCW	A	HM	1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	H	
91	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	45 MIN.	U	
609	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
610	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
611	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
612	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
613	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
614	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
615	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
616	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
629	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
630	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
631	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
632	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
633	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
634	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
635	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
636	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
709	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
710	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
711	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
712	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
713	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
714	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
715	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
716	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
717	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
718	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
719	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
720	3'-8"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	LRDA	A	
729	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
730	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
731	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
732	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
733	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
734	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
735	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
736	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
737	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
738	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
739	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	
740	3'-0"	6'-8"	1 3/4"	SCW	A	HM	F1	7B/A7.02	9B/A7.02	7A/A7.02	-	B	

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195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

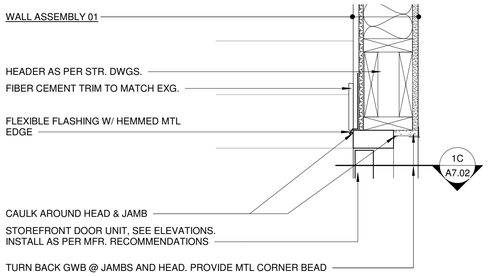
No.	Description	Date

date: 02/18/2024
commission: NH-3138

sheet title:
DOOR SCHEDULE

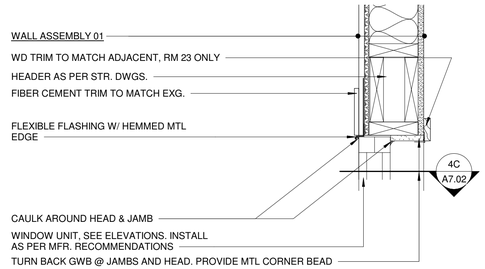
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A7.01

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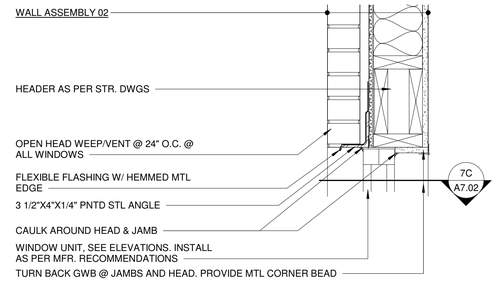
1E DETAIL SECTION - TYP. EXT. DOOR HEAD

1 1/2" = 1'-0"



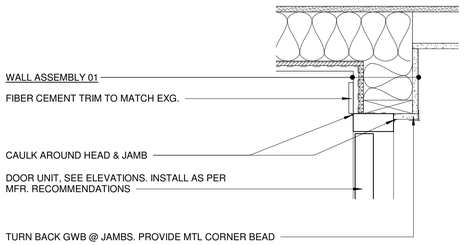
4E DETAIL SECTION - TYP. WINDOW HEAD

1 1/2" = 1'-0"



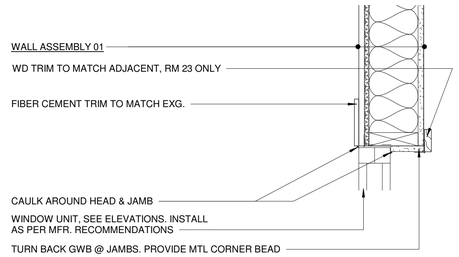
7E DETAIL SECTION - TYP. WINDOW HEAD @ MASONRY

1 1/2" = 1'-0"



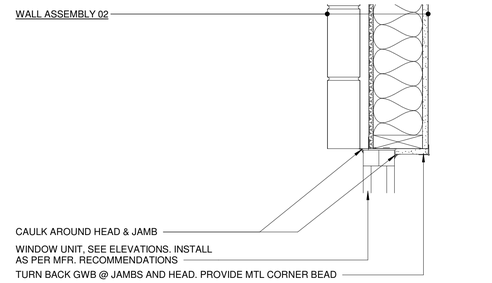
1C DETAIL SECTION - TYP. EXT. DOOR JAMB

1 1/2" = 1'-0"



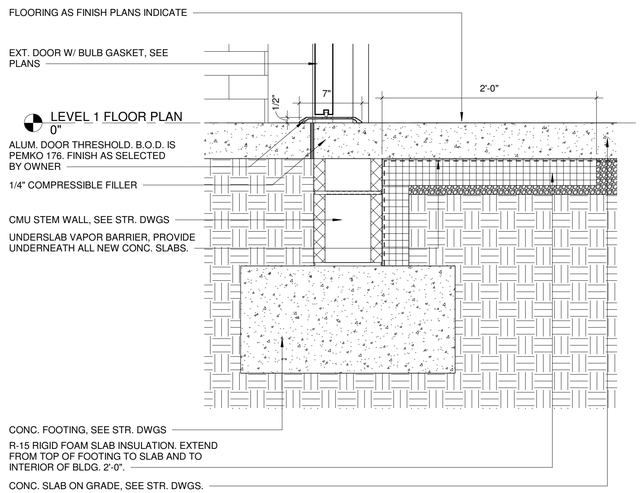
4C DETAIL SECTION - TYP. WINDOW JAMB

1 1/2" = 1'-0"



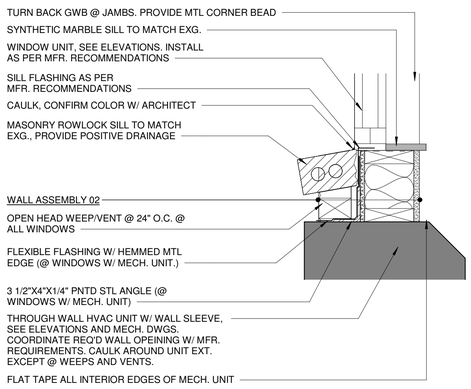
7C DETAIL SECTION - TYP. WINDOW JAMB @ MASONRY

1 1/2" = 1'-0"



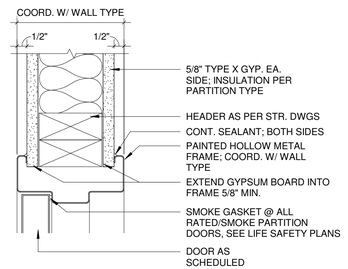
1A DETAIL SECTION - EXT. DOOR THRESHOLD

1 1/2" = 1'-0"



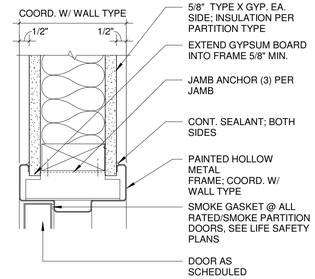
4A DETAIL SECTION - TYP. WINDOW SILL

1 1/2" = 1'-0"



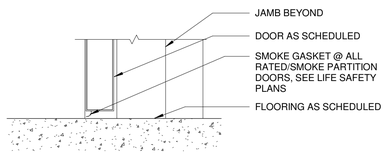
7B HEAD DETAIL TYP.

3" = 1'-0"



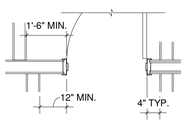
9B JAMB DETAIL TYP.

3" = 1'-0"



7A SILL DETAIL TYP

3" = 1'-0"



9A PUSH/PULL TYP. DETAIL

1 1/2" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

Revisions

No.	Description	Date

date: 02/18/2024

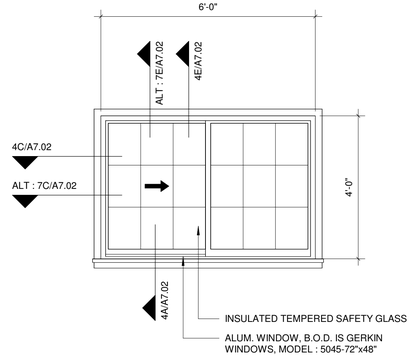
commission: NH-3138

sheet title:
DOOR AND WINDOW DETAILS

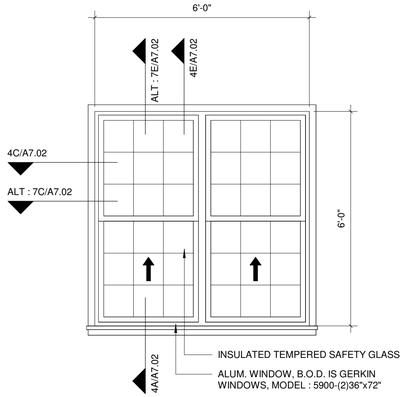
sheet number :

A7.02

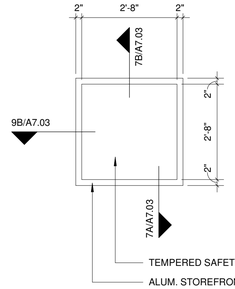
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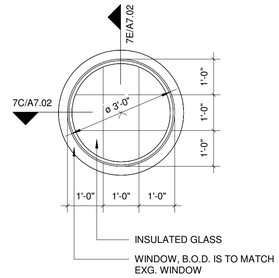
WINDOW TYPE A



WINDOW TYPE B



WINDOW TYPE C



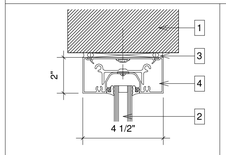
WINDOW TYPE D

GLAZING ELEVATIONS

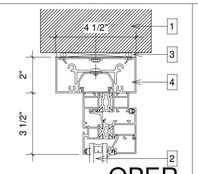
1/2" = 1'-0"

LEGEND

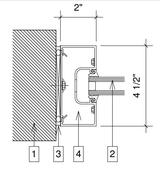
1. WALL AS PLANS INDICATE
2. GLAZING AS PER GLAZING ELEVATION
3. BACKER ROD AND SEALANT
4. ALUM. STOREFRONT SYSTEM, INSTALL AS PER MFR. RECOMMENDATIONS



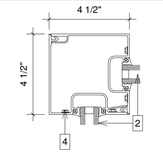
7B HEAD — 3" = 1'-0"



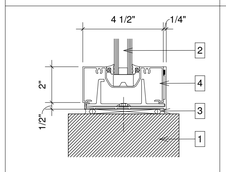
8B OPER. HEAD — 3" = 1'-0"



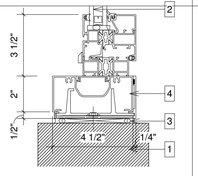
9B JAMB — 3" = 1'-0"



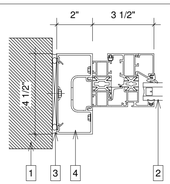
10B INSIDE CORNER — 3" = 1'-0"



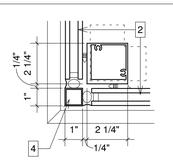
7A SILL — 3" = 1'-0"



8A OPER. SILL — 3" = 1'-0"



9A OP. JAMB — 3" = 1'-0"



10A OUTSIDE CORNER — 3" = 1'-0"

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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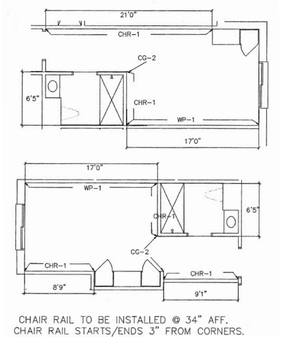
commission: NH-3138

sheet title: GLAZING ELEVATIONS & DETAILS

sheet number :

A7.03

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CHAIR RAIL TO BE INSTALLED @ 34" AFF.
CHAIR RAIL STARTS/ENDS 3" FROM CORNERS.

CONFIRM LAYOUT AND EXTENTS OF CHAIR RAIL WITH OWNER PRIOR TO PROCEEDING

ROOM FINISH SCHEDULE

Number	Name	Floor Finish	Base Finish	Walls				Millwork		Ceiling Finish	Remarks
				North	South	East	West	Vert	Horz		
LEVEL 1 FLOOR PLAN											
17	STAFF LOUNGE	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
19	STAFF TRAINING	CPT-6	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
19A	CLOSET	CPT-6	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
20	OFFICE	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
21	OFFICE	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
23	MED PREP	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
23	COMMUNITY ROOM	CPT-6	RB-2	PA-4	PA-4	PA-4	PA-4	-	-	PA-13	VERIFY W/ OWNER
23A	DINING	EXG	EXG	-	EXG	PA-4	EXG	-	-	PA-13	-
24	OFFICE	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
25	NURSE MANAGER	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
28	D.O.N. OFFICE	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
29	NURSE STATION	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
29A	TOI.	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
30	CHAIR STORAGE	VS-1	RB-1	PA-2	PA-2	PA-2	PA-2	-	-	PA-13	-
31	JAN.	SCONC-1	RB-1	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
32	CLEAN UTILITY/LINEN	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
34	SOILED UTILITY/LINEN	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
39	PHYSICAL THERAPY	VS-9	RB-1	PA-5	PA-6	PA-5	PA-5	PLAM-1	SSM-1	PA-13	-
39B	STORAGE	VS-9	RB-1	PA-6	PA-6	PA-6	PA-6	-	-	PA-13	-
39C	THERAPY OFFICE	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
40	OCC. THERAPY	VS-9	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
41	TOI.	CT-3	CTB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
42	OCC. KITCHEN	VS-9	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
43	ACTIVITY DIR.	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
44	SOCIAL SERVICES	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
46	NURSE MANAGER	CPT-2	RB-2	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
47	MED PREP	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
48	NURSE STATION	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
48A	TOI.	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
49	CLEAN UTILITY/LINEN	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
50	JAN.	SCONC-1	RB-1	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	-
51	SOILED UTILITY/LINEN	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
74	OFFICE	EXG	EXG	EXG	EXG	EXG	EXG	EXG	EXG	PA-13	- OWNER TO CONFIRM NO RENOVATION THIS AREA
78	CART	VS-1	RB-1	PA-2	PA-2	PA-2	PA-5	-	-	PA-13	-
79	STORAGE	VS-1	RB-1	PA-2	PA-2	PA-2	PA-2	EXG	EXG	PA-13	-
80	MEDICAL ASSESSMENT	VCT-1	RB-1	PA-5	PA-5	PA-5	PA-5	-	-	PA-13	- OWNER TO CONFIRM NO RENOVATION THIS AREA
81	STORAGE	VS-1	RB-1	PA-2	PA-2	PA-2	PA-2	-	-	PA-13	-
82	STAFF LOUNGE	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
83	CTRL POINT	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
89A	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION
89B	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION
91	STORAGE	VS-1	RB-1	PA-2	PA-2	PA-2	PA-2	-	-	PA-13	-
92	CRTL POINT	VS-1	RB-1	PA-5	PA-5	PA-5	PA-5	PLAM-3	PLAM-5	PA-13	-
121	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION
221	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION
321	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION
421	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION
609	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
610	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
611	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
612	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
613	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
614	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
615	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
616	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
620	CORRIDOR	VS-1	RB-1	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	-
629	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
630	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
631	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA/CT-3	PA	PLAM-2	CMBL-1	PA-13	-
632	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	CT-3	PLAM-2	CMBL-1	PA-13	-
633	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
634	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
635	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA/CT-3	PA	PLAM-2	CMBL-1	PA-13	-
636	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	CT-3	PLAM-2	CMBL-1	PA-13	-
709	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
710	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
711	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
712	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
713	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
714	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
715	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
716	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
717	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
718	PVT. BR.	VS-1	RB-1	PA	PA	PA/WP-1	PA	PLAM-3	PLAM-5	PA-13	-
719	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
720	PVT. BR.	VS-1	RB-1	PA	PA	PA	PA/WP-1	PLAM-3	PLAM-5	PA-13	-
729	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
730	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
731	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA/CT-3	PA	PLAM-2	CMBL-1	PA-13	-
732	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	CT-3	PLAM-2	CMBL-1	PA-13	-
733	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
734	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
735	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA/CT-3	PA	PLAM-2	CMBL-1	PA-13	-
736	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	CT-3	PLAM-2	CMBL-1	PA-13	-
737	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
738	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	PA/CT-3	PLAM-2	CMBL-1	PA-13	-
739	TOI.	CT-2	CTB-6	PA	PA/CT-3	PA/CT-3	PA	PLAM-2	CMBL-1	PA-13	-
740	TOI.	CT-2	CTB-6	PA/CT-3	PA	PA	CT-3	PLAM-2	CMBL-1	PA-13	-
741	CORRIDOR	VS-1	RB-1	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	-
821	CORRIDOR	EXG	EXG	PA/WB-2	PA/WB-2	PA/WB-2	PA/WB-2	-	-	PA-13	GC TO RETURN TO EXG. CONDITION UPON COMPLETION

INTERIOR NOTES

- INTERIOR FINISH REQUIREMENTS	REQUIREMENTS	PROVIDED
CORRIDORS	A & B	A
ROOMS AND ENCLOSED	A & B	A
ADMIN SPACES	C	A
TRIM	C	A
	< 10% OF WALL AREA	
FLOOR	CLASS I OR II	I
WALL BASE	CLASS I OR II	I

NOTE: ALL INTERIOR FINISHES TO BE CLASS A OR B.

MATERIALS LEGEND

CODE	MATERIAL	MANUFACTURER	ITEM#	DESCRIPTION	COLOR	NOTES	MATERIAL SUPPLIER	INSTALLER
CAST-IN-PLACE CONCRETE								
SCONC-1	SEALED CONCRETE						CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
INTERIOR ARCHITECTURAL WORK								
BM-1	BASE MOLDING	TBD BY CONTRACTOR		WOOD STAIN GRADE	STN-1	INTERIOR DESIGNER TO APPROVE DURING SUBMITTALS	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
DR	INTERIOR DOOR	SPEC TRIM DOORSYSTEMS	DURABLE DOOR	CLASS I/A FIRE CODE COMPLIANT	GB HONDURAS MAHOGANY		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PLAM-1	PLASTIC LAMINATE	WILSONART	FIREMUM AEON	PLASTIC LAMINATE	7951K-18 ASIAN SUN	VERTICAL SURFACES	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PLAM-2	PLASTIC LAMINATE	WILSONART	FIREMUM AEON	PLASTIC LAMINATE	0495K-18 COFFEE BEAN	VERTICAL SURFACES	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PLAM-3	PLASTIC LAMINATE	FORMICA		PLASTIC LAMINATE	8849-58 NATURAL TEAK	VERTICAL SURFACES	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PLAM-4	PLASTIC LAMINATE	WILSONART	FIREMUM AEON	PLASTIC LAMINATE	7946K-07 MAMBO	VERTICAL SURFACES HORIZONTAL COUNTERS	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
ST-1	STONE	NORSTONE	ROCK PANEL	24"W X 6" H, 3/4" TO 1 1/2" THICK	CCHRE	FIREPLACE AND FRONT OF SERVING COUNTERS	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
COUNTERTOPS								
CMBL-1	CULTURED MARBLE	TBD BY CONTRACTOR		TBD BY CONTRACTOR	TBD	INTERIOR DESIGNER TO SELECT DURING SUBMITTALS	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PLAM-5	PLASTIC LAMINATE	WILSONART		PLASTIC LAMINATE	4911-38 SOFT GOLD MESH	HORIZONTAL SURFACES CASCADE EDGE	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
QZ-1	QUARTZ	MANSTONE		3/4" SLAB, 55" W X 120" L	ENGLISH TOFFEE - RS462	HORIZONTAL SURFACES BULLNOSE EDGE	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
QZ-2	QUARTZ	MANSTONE		3/4" SLAB, 55" W X 120" L	ROLLING STONE - MV618	HORIZONTAL SURFACES BULLNOSE EDGE	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
QZ-3	QUARTZ	MANSTONE		3/4" SLAB, 55" W X 120" L	IVORY WAVE - MV620	HORIZONTAL SURFACES BULLNOSE EDGE	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
SSM-1	SOLID SURFACING	CORIAN		3/4" SLAB, THREE SHEET SIZES AVAILABLE	FOSSIL	HORIZONTAL SURFACES BULLNOSE EDGE	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
TILE								
CT-1	QUARRY TILE	DALTILE	SURETHEAD	6X6X3/8", UNSANDED GROUT: LATICRETE 50 DUSTY GREY, 3/8" JOINT	0070 GOLDEN BROWN		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CT-2	CERAMIC	DALTILE	KEYSTONES	2"X2"X1/4", UNSANDED GROUT: LATICRETE 17 MARBLE BEIGE, 1/16" JOINT	0320 MARBLE		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CT-3	CERAMIC	DALTILE	TRAVATA	13X13X3/8", UNSANDED GROUT: LATICRETE 17 MARBLE BEIGE, 1/16" JOINT	TV90 FRESCO CREAM		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CT-4	CERAMIC	AMERICAN OLEAN	LEGACY GLASS	5/8"X RANDOM LINEAR MOSAIC BLEND, 5/16" THICKNESS UNSANDED GROUT: LATICRETE 17 MARBLE BEIGE, 1/8" JOINT	LG49 JUNGLE BLEND		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CT-5	CERAMIC	AMERICAN OLEAN	LEGACY GLASS	5/8"X5/8" GLASS & NATURAL STONE BLEND, 5/16" THICKNESS UNSANDED GROUT: LATICRETE 17 MARBLE BEIGE, 1/8" JOINT	LG45 ARTIC BLEND		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CT-6	CERAMIC	AMERICAN OLEAN	LEGACY GLASS	2" X 4 1/4" - MESH MOUNTED SHEET ON 12" X 12" SHEET UNSANDED GROUT: LATICRETE 17 MARBLE BEIGE, 1/8" JOINT	LG15 MOONLIGHT	BRICK INSTALL	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CTB-1	CERAMIC	DALTILE	TRAVATA	3X13X3/8", BULLNOSE BASE, UNSANDED GROUT: LATICRETE 17 MARBLE BEIGE, 3/16" JOINT	TV90 FRESCO CREAM		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CTB-2	CERAMIC	DALTILE	SURETHEAD	6X6X3/8", COVE BASE & CORNERS, UNSANDED GROUT: LATICRETE 60 DUSTY GREY, 3/8" JOINT	0075 GOLDEN BROWN		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
RESILIENT FLOORING								
RB-1	RESILIENT BASE	JOHNSONITE	TRADITIONAL	6" HEIGHT, 1/8" GA. VINYL COVE	264 GROUNDED		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
RB-2	RESILIENT BASE	JOHNSONITE	TRADITIONAL	6" HEIGHT, 1/8" GA. VINYL STRAIGHT	264 GROUNDED		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
LVT-1	VINYL TILE	SHAW CONTRACT GROUP	CRETE 00251	18X18 TILE	SLATE 03750		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
VCT-1	VINYL TILE	ARMSTRONG	STANDARD IMPERIAL TEXT.	12X12 TILE	51808 SANDRIFT WHITE		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
VS-1	VINYL SHEET	SHAW CONTRACT GROUP	NATURELIFE WOOD 00021	72" WIDE X 25 YDS LONG ROLLS	07716 CHOCOLATE CHERRY		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
VS-9	VINYL SHEET	SHAW CONTRACT GROUP	REACOURT 00021	70.86" WIDE X 65' LONG	01451 GOLDEN CHERRY		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	
CARPET								
CPT-1	CARPET	SHAW CONTRACT GROUP	59384 APPLESAUCE	24X24 MODULAR,ECO SOLUTION Q NYLON, 28 OZ./SQ/E SOLUTION DYED, SSP TAILE SOIL PROTECTION, ECOWORX BACKING	63335 COM LALA	QUARTER TURN INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-2	CARPET	SHAW CONTRACT GROUP	80659 FIELD TRIP	12' BROADLOOM,ECO SOLUTN Q NYLON, 28 OZ. PATTERN LOOP, B28 SOL DYED,7/8 YARN DYED,SSP SOIL PROT.,TRILOK BACKING	97300 CITY HALL	DIRECT GLUE INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-3	CARPET	SHAW CONTRACT GROUP	00515 TOTEM	12' BROADLOOM, ANTRON LEGACY NYLON, 32 OZ., TEXTURED LOOP, 100% PIECE DYED, ULTRALOC BACKING	45309 ELEPHANT	DIRECT GLUE INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-4	CARPET	SHAW CONTRACT GROUP	57531 WELCOME II	24X24 MODULAR, 49 OZ., NEEDLEBOND WORKMAL CONSTRUCTION, 100% SOLUTION DYED NYLON, SSP SOIL PROTECTION, ECOWORX BACKING	51150 TOBACCO	QUARTER TURN INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-5	CARPET	SHAW CONTRACT GROUP	59300 SHINE	24X24 MODULAR,ECO SOLUTION Q NYLON, 28 OZ./SQ/E SOLUTION DYED, SSP SHAW SOIL PROTECTION, ECOWORX BACKING	63335 COM LALA	BRICK INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-6	CARPET	SHAW CONTRACT GROUP	59303 SHINE	24X24 MODULAR,ECO SOLUTION Q NYLON, 28 OZ./SQ/E SOLUTION DYED, SSP SHAW SOIL PROTECTION, ECOWORX BACKING	63335 COM LALA	QUARTER TURN INSTALL = EXCEPT IN CORRIDOR INTERSECTION MONOLITHIC	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-7	CARPET	SHAW CONTRACT GROUP	59368 TRU COLOURS	24X24 MODULAR,ECO SOLUTION Q NYLON, 28 OZ./SQ/E SOLUTION ECOWORX BACKING	68370 PATINA	MONOLITHIC INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
CPT-8	CARPET	SHAW CONTRACT GROUP	59368 TRU COLOURS	24X24 MODULAR,ECO SOLUTION Q NYLON, 28 OZ./SQ/E SOLUTION ECOWORX BACKING	68372 BRASSERIE	MONOLITHIC INSTALLATION	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
TRANSITIONS								
TS-1	N/A							
TS-2	TRANSITION STRIP	JOHNSONITE	TBD BY CONTRACTOR	TBD BY CONTRACTOR	TBD SELECT DURING SUBMITTALS	CERAMIC & VINYL	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
TS-3	TRANSITION STRIP	SCHLUTER	TBD BY CONTRACTOR	TBD BY CONTRACTOR	INTERIOR DESIGNER TO SELECT DURING SUBMITTALS	CERAMIC & CARPET	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PAINTS AND STAINS								
PA-1	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX PRIMER	PREMIUM WALL AND WOOD PRIMER OR EQUAL		USE WITH HARMONY PRODUCTS	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-2	PAINT	SHERWIN WILLIAMS	LOW ODOR EQ-SHELL PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	6379 JERSEY CREAM		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-3	N/A							
PA-4	PAINT	SHERWIN WILLIAMS	LOW ODOR EQ-SHELL PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	6179 ARTICHOKE		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-5	PAINT	SHERWIN WILLIAMS	LOW ODOR EQ-SHELL PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	6213 HALCYON GREEN		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-6	PAINT	SHERWIN WILLIAMS	LOW ODOR EQ-SHELL PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	7727 KIX PONG		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-7	PAINT	SHERWIN WILLIAMS	LOW ODOR EQ-SHELL PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	7694 DROMEDARY CAMEL		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-8	PAINT	SHERWIN WILLIAMS	LOW ODOR EQ-SHELL PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	6116 TATAMI TAN		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-9	PAINT	SHERWIN WILLIAMS	LOW ODOR SEMI-GLOSS PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	6772 CAY	WALL PAINT FOR #33, 33A, 52, 52A, 73, 73A	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-10	PAINT	SHERWIN WILLIAMS	LOW ODOR SEMI-GLOSS PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	6771 BATHE BLUE	CEILING PAINT FOR #33, 33A, 52, 52A, 73, 73A	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-11	PAINT	SHERWIN WILLIAMS	LOW ODOR SEMI-GLOSS PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	7694 DROMEDARY CAMEL	DOOR FRAME	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-12	PAINT	SHERWIN WILLIAMS	LOW ODOR SEMI-GLOSS PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	7008 ALABASTER	COLUMN PAINT IN LIVING & DINING AREAS	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
PA-13	PAINT	SHERWIN WILLIAMS	LOW ODOR CEILING PAINT	HARMONY ZERO VOC ANTIMICROBIAL INTERIOR ACRYLIC LATEX	7008 ALABASTER	CEILING PAINT FOR AREAS EXCEPT AS SPEC. ABOVE IN PA-10	CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
STN-1	STAIN	SHERWIN WILLIAMS OR EQUAL		TBD BY CONTRACTOR	MATCH SPEC TRIM DOORS COLOR: SHAKER CHERRY		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
SIGNAGE								
SIGN-1	INTERIOR SIGNAGE	TBD					OWNER SUPPLIED	
WALL AND DOOR PROTECTION								
CG-2A	CORNER GUARD	INPRO		1548N CORNER GUARD 3"	POPCORN 0274	PUBLIC AREAS	OWNER SUPPLIED VIA INPRO	INPRO
CG-2B	CORNER GUARD	INPRO		1648N CORNER GUARD 2"	POPCORN 0274	RESIDENT ROOMS--SEE DRAWING	OWNER SUPPLIED VIA INPRO	INPRO
CG-4	CORNER GUARD	INPRO		1548N CORNER GUARD 3"	WOODLANDS SHAKER CHERRY 0549		OWNER SUPPLIED VIA INPRO	INPRO
CG-5	CORNER GUARD	INPRO		1648N CORNER GUARD 2"	CRYSTAL JADE 0187		OWNER SUPPLIED VIA INPRO	INPRO
CG-6	CORNER GUARD	INPRO		1648N CORNER GUARD 2"	VERANDA 0231		OWNER SUPPLIED VIA INPRO	INPRO
CG-7	CORNER GUARD	INPRO		1548N CORNER GUARD 3"	CAMELBACK 0253		OWNER SUPPLIED VIA INPRO	INPRO
CG-9	CORNER GUARD	INPRO		1648N CORNER GUARD 2"	TAUPE 0113		OWNER SUPPLIED VIA INPRO	INPRO
CHR-1	CHAIR RAIL	INPRO		2700 CHAIR RAIL	WOODLANDS SHAKER CHERRY 0549		OWNER SUPPLIED VIA INPRO	INPRO
FRP-1	FIBERGLASS REINFORCED PLASTIC	PANOLAM	CLASS C	SMOOTH FINISH, .090" THICKNESS	WHITE		CONTRACTOR RESPONSIBLE FOR FABRICATION OR PURCHASING	CONTRACTOR
HRL-1	HANDRAIL	INPRO		1000 SERIES HANDRAIL WOODLAND FULL WRAP	WOODLANDS SHAKER CHERRY 0549	36" AFF	OWNER SUPPLIED VIA INPRO	INPRO
WG-1	WALL GUARD	INPRO		1500 SILHOUETTE WALL GUARD WOODLAND FULL WRAP	WOODLANDS SHAKER CHERRY 0549	MOUNT ABOVE 6" BASE	OWNER SUPPLIED VIA INPRO	INPRO
LIGHTING								
LT-1	LIGHTING	HINKEL & FR	3208BR HAMPTON	PENDANT 40" W X 35" H X 18" D FOUR 100W MEDIUM BASE	BRUSHED BRONZE		C

GENERAL STRUCTURAL NOTES:

1. BUILDING CODE: BUILDING CODE OF NORTH CAROLINA STATE, LATEST EDITION
2. CONSTRUCTION LOADING: DURING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL LIMIT AND CONTROL CONSTRUCTION LOADING, INCLUDING BUT NOT LIMITED TO:
   a. MATERIAL STOCKPILING AND EQUIPMENT TO PRECLUDE OVERSTRESSING, CONSTRUCTION LIVE LOAD IN EXCESS OF 20 PSF, OR DAMAGE TO ANY STRUCTURAL ELEMENT.
3. COORDINATION WITH OTHER DISCIPLINES: THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND SPECIFICATIONS.
4. EXISTING CONDITIONS: THE INFORMATION SHOWN ON THESE DOCUMENTS IS THE BEST REPRESENTATION OF EXISTING CONDITIONS AVAILABLE TO THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND BRING TO THE ENGINEER'S AND CONSTRUCTION MANAGER'S ATTENTION ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
5. EXISTING STRUCTURES: ALL EXISTING STRUCTURES ADJACENT TO NEW WORK ARE TO BE ADEQUATELY PROTECTED AND/OR SUPPORTED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY NEW OR EXISTING CONSTRUCTION DAMAGED WHILE WORK IS IN PROGRESS.
6. OPENINGS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SIZE AND LOCATION OF ALL OPENINGS IN NEW AND EXISTING CONSTRUCTION WITH THE DISCIPLINE REQUIRING THEM.

FOUNDATION NOTES:

1b. (NO GEOTECHNICAL INFORMATION WAS AVAILABLE AT THE TIME OF DESIGN. ASSUMED ALLOWABLE BEARING PRESSURE = 1,500 PSF.)
2. TAKE ALL NECESSARY PRECAUTIONS WHEN EXCAVATING OR DRILLING ADJACENT TO EXISTING STRUCTURES TO AVOID DISTURBING EXISTING FOUNDATIONS. DO NOT EXCAVATE BELOW EXISTING FOUNDATIONS. CONTACT THE ENGINEER IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWING.
3. ALL EXCAVATIONS SHALL FULLY CONFORM TO LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
4. DO NOT BACKFILL AGAINST CONCRETE ELEMENTS UNTIL PLACED CONCRETE HAS REACHED 75% OF ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
5. BACKFILL BOTH SIDES OF FOUNDATION WALLS IN EQUAL, ALTERNATE LIFTS IN ORDER TO AVOID IMPOSING UNBALANCED LATERAL PRESSURE ON THE WALLS.
6. ALLOW TESTING AGENCY TO INSPECT AND APPROVE ALL COMPACTED SUBGRADE AND FILL LAYERS PRIOR TO FURTHER BACKFILL AND/OR PLACEMENT OF CONCRETE. TESTING AND INSPECTION RESULTS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.
7. THE SUITABILITY AND STABILITY OF EXISTING SOILS AND FILL, THE DEPTHS AND LATERAL LIMITS OF UNSUITABLE MATERIAL TO BE REMOVED, AND ADEQUACY OF FOUNDATION BEARING GRADES SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER.
8. BACKFILL AND FILL MATERIALS SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY ACCORDING TO THE MODIFIED PROCTOR TEST (ASTM D-1557). ALL EXISTING BACKFILL SHALL BE RECOMPACTED AS SUCH.
9. EXCAVATION AND BACKFILL OPERATIONS SHALL BE MAINTAINED IN A DRY CONDITION. SURFACE AND INFILTRATING WATER SHALL BE REMOVED BY SITE GRADING AND/OR BY PUMPING FROM SUMPS AS REQUIRED.

CONCRETE NOTES:

2. PROVIDE THE FOLLOWING MINIMUM CONCRETE CLEAR COVER FOR REINFORCING STEEL, UNLESS OTHERWISE NOTED.:
   a. CONCRETE PLACED AGAINST EARTH: 3.0 IN.
   b. FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER
      #6 THROUGH #18 BARS: 2.0 IN.
      #5 BARS AND SMALLER: 1.5 IN.
   c. FORMED SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER
      #14 AND #18 BARS: 1.5 IN.
      #11 BARS AND SMALLER: 1.0 IN.
3. ALL CONCRETE WORK, CONSTRUCTION, AND REINFORCING DETAILS SHALL CONFORM TO THE "NORTH CAROLINA STATE BUILDING CODE, LATEST EDITION".
4. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 318.
5. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
6. ALL REINFORCING SHALL BE LAPPED OR EMBEDDED IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE NOTED.
7. PROVIDE CORNER BARS TO MATCH ALL HORIZONTAL REINFORCING AT CORNERS OR INTERSECTIONS.
8. CHAMFER EXTERIOR CORNERS AND EDGES OF PERMANENTLY EXPOSED CONCRETE.
9. PRIOR TO PLACEMENT OF CONCRETE, A FIELD REPRESENTATIVE SHALL BE INFORMED A MINIMUM OF 24 HOURS IN ADVANCE OF PLACEMENT, TO ALLOW INSPECTION OF REINFORCING STEEL, AND PREPARATION FOR TAKING CONCRETE SAMPLES. INDEPENDENT TESTS ARE REQUIRED FOR ALL CONCRETE PLACEMENTS.
10. INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT.
13. VAPOR BARRIER: POLYETHYLENE SHEET, ASTM D 4397, NOT LESS THAN 15-MIL. LOCATED BELOW INTERIOR SLABS-ON-GRADE.
14. EPOXY ADHESIVE: HILTI HIT-HY 200 OR SIMPSON SET EPOXY.
15. GROUT: NON-METALLIC/NON-SHRINK STRUCTURAL GROUT. FIVE STAR GROUT OR APPROVED EQUAL.
16. SYNTHETIC MACRO-FIBER; FIBRILLATED POLYPROPYLENE MICRO-FIBERS ENGINEERED AND DESIGNED FOR USE IN CONCRETE, COMPLYING WITH ASTM C 1116/C 1116M, TYPE III.
17. PROTECT CONCRETE FROM PREMATURE DRYING IMMEDIATELY AFTER PLACEMENT. CURING OF CONCRETE SLABS MUST START WITHIN 2 HOURS AFTER FINISHING OPERATIONS ARE COMPLETE. SLABS-ON-GRADE SHALL BE WET CURED FOR 7 DAYS. CURING COMPOUNDS ARE PROHIBITED.
18. SLABS-ON-GRADE SHALL HAVE CONTROL JOINTS AS SHOWN ON PLANS. SAW CUT JOINTS SHALL BE MADE WITHIN 12 HOURS OF PLACING SLAB. AFTER CONCRETE IS CURED AND READY FOR PLACEMENT OF FLOOR FINISH, ALL SLABS INSIDE THE BUILDING SHALL HAVE CONTROL JOINTS FILLED WITH APPROVED JOINT FILLER.
19. CONCRETE SHALL BE CONTROLLED, PROPORTIONED, MIXED AND PLACED IN THE PRESENCE OF A REPRESENTATIVE OF AN APPROVED TESTING AGENCY.
20. CONDUIT OR PIPES SHALL BE PLACED UNDER SLABS-ON-GRADE.
21. ALUMINUM CONDUITS OR PIPES SHALL NOT BE PLACED IN CONCRETE.

MASONRY NOTES:

2. MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI-530).
3. ALL CONCRETE BLOCK SHALL CONFORM TO ASTM-C90. PROVIDE NORMAL WEIGHT UNITS WITH MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 2000 PSI.
4. MORTAR FOR UNIT MASONRY: COMPLY WITH ASTM C 270. PROVIDE THE FOLLOWING TYPES OF MORTAR FOR APPLICATIONS BELOW:
   a. FOR REINFORCED MASONRY, USE TYPE M.
   b. FOR MASONRY BELOW GRADE OR IN CONTACT WITH EARTH, USE TYPE M.
   c. FOR INTERIOR NONLOAD-BEARING PARTITIONS, USE TYPE N.
5. PLACE GROUT IN ALL REINFORCED CELLS. GROUT SHALL BE PLACED USING LOW-LIFT GROUTING NOT TO EXCEED 5' - 0".
6. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. REINFORCING BARS MARKED "CONTINUOUS" SHALL BE LAPPED PER ACI 530. CONSTRUCT LAP SPLICES AND EMBEDMENT LENGTHS PER ACI 530. MAINTAIN A MINIMUM OF 1/2" CLEARANCE BETWEEN REINFORCING BARS AND MASONRY. PROVIDE #5 BARS UNLESS OTHERWISE NOTED.
7. JOINT REINFORCEMENT FACTORY FABRICATED FROM COLD-DRAWN STEEL WIRE, ASTM A 82, LADDER DESIGN, WITH 9 GAGE DEFORMED STEEL WIRE LONGITUDINAL RODS WELDED TO 9 GAGE STEEL WIRE CROSS TIES SPACED 16 INCHES ON CENTER MAXIMUM; WIDTH 1-1/2 TO 2 INCHES LESS THAN TOTAL WALL THICKNESS. FURNISH FACTORY FABRICATED CORNER AND TEE SECTIONS FOR CORNERS AND WALL INTERSECTIONS.
8. DESIGN AND PROVIDE TEMPORARY BRACING OF MASONRY WALLS DURING CONSTRUCTION. BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED. BRACING SHALL FULLY CONFORM TO ALL OSHA REQUIREMENTS.
9. GALVANIZED ADJUSTABLE WIRE TIES SHALL BE FURNISHED AND INSTALLED AT 16 INCHES ON CENTER MAXIMUM, EACH WAY, FOR ALL CAVITY WALLS AND AS INDICATED. MASONRY TIES SHALL BE FURNISHED AND INSTALLED TO STEEL FRAMING TO SUPPORT ALL MASONRY CONSTRUCTION, TIES TO BE AT 16 INCHES ON CENTER MAXIMUM. SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS.
10. GROUT ALL CELLS OF MASONRY UNITS FOR THE FIRST TWO COURSES ABOVE ALL FOUNDATION WALLS AND SLABS.
11. PROVIDE CORNER BARS WHERE HORIZONTAL REINFORCING MEETS AT A CORNER OR INTERSECTION.
12. PROVIDE REINFORCING BARS AROUND ALL MASONRY OPENINGS. SEE TYPICAL MASONRY DETAILS.
13. ALL MASONRY COURSING SHOWN IN SECTION AND ELEVATION IS SCHEMATIC. MASONRY MAY NEED TO BE CUT AS REQUIRED.
14. CONDUITS, PIPES, AND SLEEVES IN MASONRY SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. ALUMINUM SHALL NOT BE USED.

WOOD FRAMING NOTES:

1. WOOD CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL FOREST PRODUCTS ASSOCIATION'S (NFPA) NATIONAL DESIGN SPECIFICATIONS (NDS) AND CHAPTER 23 OF THE BUILDING CODE OF NYS, LATEST EDITION.
2. MINIMUM DESIGN VALUES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
3. WOOD IN CONTACT WITH MASONRY, CONCRETE OR EARTH, OR WITHIN 1'-0" OF GRADE OR EXPOSED TO THE EXTERIOR SHALL BE PRESSURE PRESERVATIVE TREATED.
4. FRAMING ANCHORS AND MISCELLANEOUS METAL DEVICES FOR ALL FRAMING SHALL BE GALVANIZED STEEL OF AT LEAST 16 GAGE THICKNESS (G90 FOR INTERIOR APPLICATION, G185 OR STAINLESS STEEL FOR EXTERIOR). INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE FASTENERS AND FASTENING METHODS RECOMMENDED BY THE MANUFACTURER. EXTERIOR EXPOSED ANCHORS AND ANCHORS IN CONTACT WITH PRESSURE TREATED WOOD TO BE STAINLESS OR GALVANIZED (G185).
5. BUILT-UP FRAMING MEMBERS SHALL BE FASTENED IN ACCORDANCE WITH NDS STANDARDS UNLESS OTHERWISE NOTED.
6. NOTCHES, COPES, AND HOLES IN WOOD MEMBERS ARE NOT PERMITTED UNLESS SPECIFICALLY DETAILED. NOTCHES, COPES, AND HOLES IN PRE-ENGINEERED MEMBERS SHALL BE IN ACCORDANCE AND APPROVED BY THE MANUFACTURER.
7. ROOF TRUSSES, INCLUDING DESIGN, FRAMING CONNECTORS, BRACING ERECTION AND QUALITY SHALL CONFORM TO THE SPECIFICATIONS AND RECOMMENDATIONS OF NFPA AND THE TRUSS PLATE INSTITUTE (TPI).
8. SHEATHING SHALL BE RATED AS FOLLOWS (CHECK THAT IT MEETS DESIGN LOADS)
   a. WALL: APA RATED 24" O.C. EXPOSURE I (7/16" MIN. THICKNESS)
   b. FLOOR: APA RATED 24/16, EXPOSURE I (3/4" MIN. THICKNESS)
   c. ROOF: APA RATED 48/24, EXPOSURE I (5/8" MIN. THICKNESS)
9. SHEATHING SHALL BE CONTINUOUS OVER TWO OR MORE SUPPORTS. FLOOR AND ROOF SHEATHING SHALL BE ORIENTED WITH THE STRENGTH AXIS PERPENDICULAR TO THE SUPPORTS. WALL SHEATHING CAN BE ORIENTED PERPENDICULAR OR PARALLEL
10. WALL SHEATHING SHALL HAVE 2X BLOCKING OR FRAMING MEMBERS BEHIND ALL PANEL EDGES.
11. UNLESS NOTED OTHERWISE, THE MINIMUM FASTENING FOR SHEATHING SHALL BE AS FOLLOWS:
   a. WALL: 8d COMMON NAILS @ 6" O.C. (EDGE) & 12" O.C. (FIELD)
   b. FLOOR: GLUED AND 10d COMMON NAILS @ 6" O.C. (PANEL EDGES) AND 12" O.C. (FIELD)
   c. ROOF: 10d COMMON NAILS@ 6" O.C. (PANEL EDGES) AND 12" O.C. (FIELD)
   d. GWB: #6 - 1 ¼" SCREWS AT 8" (EDGE) AND 12" (FIELD).
12. WOOD CONNECTORS: SIMPSON STRONG-TIE CONNECTORS USED AS BASIS OF DESIGN. USP STRUCTURAL CONNECTORS OF EQUAL STRENGTH ARE ACCEPTABLE.
13. BOLTS THROUGH WOOD MEMBERS SHALL BE ASTM A307.

GENERAL DEMOLITION NOTES:

1. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
   a. PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE SELECTIVE DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEVEL.
   b. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS TO MAINTAIN A WATERTIGHT CONDITION UNTIL PERMANENT CONSTRUCTION IS COMPLETE.
   c. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES. AVOID MARRING EXISTING FINISHED SURFACES.
   d. NO FLAME CUTTING.
   e. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE NON-HAZARDOUS MATERIALS. PROMPTLY DISPOSE OF OFF-SITE.
   f. ASBESTOS CONTAINING MATERIAL (ACM) / HAZARDOUS MATERIALS:
      .... i. NO ACM SURVEY HAS BEEN PERFORMED FOR THIS PROJECT
   g. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER TO GROUND BY METHOD SUITABLE TO AVOID FREE FALL AND TO PREVENT GROUND IMPACT OR DUST GENERATION.
   h. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.
   i. DISPOSE OF DEBRIS OFF-SITE PROMPTLY AT CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
2. BUILDING ELEMENTS TO REMAIN: DO NOT DEMOLISH BUILDING ELEMENTS BEYOND LIMITS INDICATED.
3. EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION[AND CLEANED] AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE. COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS NECESSARY TO MAKE ITEM FUNCTIONAL FOR USE INDICATED.
4. SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS:
   a. REINFORCED CONCRETE: DEMOLISH IN SMALL SECTIONS. SAW CUT CONCRETE TO A DEPTH OF AT LEAST 3/4 INCH AT JUNCTURES WITH CONSTRUCTION TO REMAIN. DISLODGE CONCRETE FROM REINFORCEMENT AT PERIMETER OF AREAS BEING DEMOLISHED, CUT REINFORCEMENT, AND THEN REMOVE REMAINDER OF CONCRETE INDICATED FOR SELECTIVE DEMOLITION USING MAXIMUM 15-LB CHIPPING HAMMER. NEATLY TRIM OPENINGS TO DIMENSIONS INDICATED.
   b. CONCRETE SLABS-ON-GRADE: SAW-CUT PERIMETER OF AREA TO BE DEMOLISHED, THEN BREAK UP AND REMOVE.
   c. WOOD: SAWCUT CLEANLY, LEVEL, PLUMB, AND SQUARE TO DIMENSIONS REQUIRED FOR RECONSTRUCTION.
   DISPOSAL OF DEMOLISHED MATERIALS
   d. GENERAL: EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE RECYCLED, REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL.
5. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
6. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
7. REMOVE DEBRIS FROM ELEVATED PORTIONS OF BUILDING BY CHUTE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE LEVEL IN A CONTROLLED DESCENT.
8. BURNING: DO NOT BURN DEMOLISHED MATERIALS.

8a. COMPLY WITH REQUIREMENTS SPECIFIED IN DIVISION 01 SECTION "CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL."

9. DISPOSAL:
   TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.
10. CLEANING:
    CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY ALL DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE DEMOLITION OPERATIONS BEGAN.

STRUCTURAL DESIGN TABLE - IBC 2015
(IN ACCORDANCE WITH APPLICABLE BUILDING CODE)

BUILDING DATA:			
LOCATION		195 SPRINGBROOK AVE, CLAYTON, NC 27520	
BUILDING OCCUPANCY RISK CATEGORY		III	IBC 2015 TABLE 1604.5
APPLICABLE BUILDING CODE		NORTH CAROLINA STATE BUILDING CODE, LATEST EDITION	
FLOOR LIVE LOAD:			
LOBBY	LL1	100 PSF	IBC 2015 TABLE 1607.1
CORRIDORS (FIRST FLOOR)	LL2	100 PSF	
OFFICES	LL3	40 PSF	
MECHANICAL	LL4	150 PSF	
ROOF LIVE LOAD:			
ROOF	LLr	20 PSF	IBC 2015 TABLE 1607.1
SNOW LOAD:			
SNOW LOAD IMPORTANCE FACTOR	Is	1.0	ASCE 7-10 TABLE 1.5-2
GROUND SNOW LOAD	Pg	15 PSF	IBC 2015 FIGURE 1608.2
SNOW EXPOSURE FACTOR	Ce	1.0	ASCE 7-10 TABLE 7-2
THERMAL FACTOR	Ct	1.0	ASCE 7-10 TABLE 7-3
DRIFTING SNOW		AS REQ. PER ASCE 7-10	ASCE 7-10 SECTION 7.7
WIND LOAD (MAIN WIND-FORCE RESISTING SYSTEM):			
ANALYSIS PROCEDURE		DIRECTIONAL PROCEDURE	ASCE 7-10 CHAPTER 27
ULTIMATE DESIGN WIND SPEED (3-SECOND GUST)	Vult	122 mph	ASCE 7-10 SECTION 26.5
WIND DIRECTIONALITY FACTOR	Kd	0.85	ASCE 7-10 SECTION 26.6
EXPOSURE CATEGORY		C	ASCE 7-10 SECTION 26.7
TOPOGRAPHIC FACTOR	Kzt	1.00	ASCE 7-10 SECTION 26.8
GUST-EFFECT FACTOR	G	0.85	ASCE 7-10 SECTION 26.9
ENCLOSURE CLASSIFICATION		ENCLOSED	ASCE 7-10 SECTION 26.10
INTERNAL PRESSURE COEFFICIENT	GCpi	+0.18/-0.18	ASCE 7-10 SECTION 26.11
VELOCITY PRESSURE	q	16 PSF	ASCE 7-10 SECTION 27.3.2
MINIMUM WALL WIND PRESSURE	Pmin	16 PSF	ASCE 7-10 SECTION 27.4.7
MINIMUM ROOF WIND PRESSURE	Pmin	8 PSF	ASCE 7-10 SECTION 27.4.7
NOTES		WIND LOADS ARE CALCULATED FROM THESE PARAMETERS FOR EACH SURFACE OF THE MAIN WIND-FORCE RESISTING SYSTEM.	
WIND LOAD (COMPONENTS & CLADDING):			
BASIC WIND SPEED (3-SECOND GUST)	V	122 mph	ASCE 7-10 SECTION 26.5
EXPOSURE CATEGORY		C	ASCE 7-10 SECTION 26.7
TOPOGRAPHIC FACTOR	Kzt	1.00	ASCE 7-10 SECTION 26.8
ENCLOSURE CLASSIFICATION		ENCLOSED	ASCE 7-10 SECTION 26.10
EFFECTIVE WIND AREA	Aeff	10 SQFT	ASCE 7-10 FIGURE 30.5-1
MINIMUM DESIGN WIND PRESSURE	Pmin	+/- 16 PSF	ASCE 7-10 SECTION 30.2.2
NOTES	1.	EFFECTIVE AREA ABOVE USED AS BASIS FOR "WORST CASE" PRESSURE CALCULATIONS. THE EFFECTIVE AREA FOR EACH INDIVIDUAL COMPONENT SHALL BE CALCULATED AND PRESSURE VALUES ADJUSTED ACCORDINGLY.	
	2.	INCREASED WIND PRESSURES AT EDGES, OVERHANGS, AND OTHER SURFACES ARE AS DERIVED IN ASCE 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".	
EARTHQUAKE LOAD:			
SEISMIC - FORCE RESISTING SYSTEM		BEARING WALL SYSTEM W/ LIGHT FRAMED (WOOD) WALLS SHEATHED WITH SHEAR PANELS	ASCE 7-10 TABLE 12.2-1
SOIL SITE CLASSIFICATION		D	ASCE 7-10 SECTION 20.3
SPECTRAL RESPONSE ACCELERATION AT 0.2 SEC	Ss	0.158g	ASCE 7-10 FIGURE 22-1
SPECTRAL RESPONSE ACCELERATION AT 1.0 SEC	S1	0.077g	ASCE 7-10 SECTION 11.4.1
SEISMIC IMPORTANCE FACTOR	Ie	1.25	ASCE 7-10 TABLE 1.5-2
DESIGN SPECTRAL RESPONSE COEFFICIENT	SDS	0.124g	ASCE 7-10 SECTION 11.4.4
DESIGN SPECTRAL RESPONSE COEFFICIENT	SD1	0.000g	ASCE 7-10 SECTION 11.4.4
SEISMIC DESIGN CATEGORY		B	ASCE 7-10 TABLE 11.6-(1&2)
ANALYSIS PROCEDURE		EQUIV. LATERAL FORCE	ASCE 7-10 SECTION 12.8
SEISMIC RESPONSE COEFFICIENT	Cs	0.0238	ASCE 7-10 SECTION 12.8.1.1
SEISMIC BASE SHEAR - AREA B	V	5.5K	ASCE 7-10 SECTION 12.8.1
RESPONSE MODIFICATION FACTOR	R	6.5	ASCE 7-10 TABLE 12.2-1
SEISMIC BASE SHEAR - AREA A	V	4K	ASCE 7-10 SECTION 12.8.1

ROOF DECK SCHEDULE

MARK	TYPE	FASTENER SIZE AND SPACING		COMMENTS
		AT BOUNDARIES AND PANEL EDGES	INTERMEDIATE	
RD-1	5/8" EXTERIOR GRADE PLYWOOD STRUCTURAL 1 RATED SHEATHING	10D NAILS @ 6" O.C.	10D NAILS @ 12" O.C.	PROVIDE BLOCKING AT ALL PANEL EDGES

SLAB-ON-GRADE SCHEDULE

MARK	TYPE	SLAB THICKNESS	SLAB REINFORCEMENT	COMMENTS
S.O.G. 1	SLAB-ON-GRADE	4"	FIBER REINFORCEMENT - SEE GENERAL NOTES	SEE SPECIFICATIONS & ARCH FOR FINISH

MASONRY WALL SCHEDULE

MARK	THICKNESS	WALL REINFORCEMENT			COMMENTS
		HORIZONTAL	VERTICAL	BOND BEAM REINF. & SPACING	
M8	7 5/8"	JOINT REINFORCEMENT - SEE SPECS	#5 BARS @ 48" O.C.	(1) #5 BAR CONT.	

WOOD WALL SCHEDULE

MARK	THICKNESS	SHEATHING GRADE	FRAMING SIZE & SPACING			BASE OF WALL CONNECTIONS		COMMENTS
			STUDS	CHORDS	TOP & BOTTOM PLATE	BOTTOM PLATE ANCHORS	CHORD HOLDOWN ANCHOR	
W4	3 1/2"	TYPE X	2X4 STUDS @ 16" O.C.	(2) 2X4	(2) 2X4 TOP PLATE 2X4 PT SILL PLATE	1/2" DIA. ANCHORS @ 4' - 0" O.C.	SIMPSON STRONG-TIE HDU8-SDS2.5	HOLDOWN ANCHORS ONLY REQUIRED AT SHEARWALLS - SEE PLAN
W6	5 1/2"	VARIES	2X6 STUDS @ 16" O.C.	(2) 2X6	(2) 2X6 TOP PLATE 2X6 PT SILL PLATE	1/2" DIA. ANCHORS @ 4' - 0" O.C.	SIMPSON STRONG-TIE HDU8-SDS2.5	HOLDOWN ANCHORS ONLY REQUIRED AT SHEARWALLS - SEE PLAN

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	FOOTING REINFORCEMENT		COMMENTS
			LONGITUDINAL	TRANSVERSE	
WF2	2' - 0"	1' - 0"	(3) #4 BARS CONT.	#4 BARS @ 12" O.C.	

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 | www.STUDIO-WALES.com

LaBella
Powered by partnership.
400 S. Tryon Street, Suite 1300
Charlotte, NC 28285
704-376-6423
labellapc.com
CORPORATE ENGINEERING
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NORTH CAROLINA PROFESSIONAL SEAL 040156 ENGINEER DANIEL R. HILL
02/18/2025

LABELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N. C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/06/2025
commission: NH-3138

sheet title:
GENERAL NOTES

sheet number :
S001

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STATEMENT OF SPECIAL INSPECTIONS

LOCATION	195 SPRINGBROOK AVE. CLAYTON, NC 27520
OWNER	HILL CO LTD.
DESIGN PROFESSIONAL IN CHARGE	DANIEL R. HILL, P.E.

This statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the applicable building code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibility for quality assurance.

Interim reports shall be submitted to the Building Official and the RDP.

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted by the special Inspection Coordinator prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the contractor.

Interim reports shall be submitted monthly.

In accordance with the applicable building code, the Observations and Inspections listed in the Schedule of Special Inspections are required.

SCHEDULE OF INSPECTION AND TESTING AGENCIES

SPECIAL INSPECTION AGENCIES	FIRM	ADDRESS	TELEPHONE No.
Special Inspection Coordinator	TBD	TBD	(###) ###-####
Inspector	TBD	TBD	(###) ###-####

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent in accordance with the applicable building code, and not by the Contractor or Subcontractor whose work is to be inspected or tested. An approved agency shall be objective, competent and independent from the contractor responsible for the work being inspected. The agency shall also disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.

STATEMENT OF CONTRACTORS RESPONSIBILITY

In accordance with the applicable building code, each contractor responsible for the construction of a main wind or seismic force-resisting system, designated seismic system or a wind or seismic force-resisting component listed in the statement of special inspections above shall submit a written statement of responsibility to the building official and the owner or the owner's authorized agent prior to the commencement of work on the system or component. The contractor's statement of responsibility shall contain acknowledgement of awareness of the special requirements contained in the statement of special inspections.

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test of inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PE/SE	Structural Engineer - a licensed PE specializing in the design of building structures
PE/GE	Geotechnical Engineer - a licensed PE specializing in soil mechanics and foundations
EIT	Engineer - In - Training - a graduate engineer who as passed the Fundamentals of Engineering examination
AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION	
ACI-CFTT	Concrete Field Testing Technician - Grade 1
ACI-CCSI	Concrete Construction Special Inspector
ACI-LTT	Laboratory Testing Technician - Grade 1&2
ACI-STT	Strength Testing Technician
AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	
AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)	
NICET-CT	Concrete Technician - Levels I, II, III, & IV
NICET-ST	Soil Technicians - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

REFERENCES

CODE/STANDARD	TITLE
ACI 301	Standard Specifications for Structural Concrete.
ACI 318	Building Code Requirements for Structural Concrete
ACI 530.1/ASCE 6/TMS 602	Specifications for Masonry Structures
AISC 360	Specifications for Structural Steel Buildings
ASTM A6	Specifications for General Requirements for Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use.
ASTM A568	Specifications for Steel Sheet, Carbon and High Strength, Low-Alloy, Hot-Rolled and Cold Rolled.
ASTM C31	Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C94	Specifications for Ready-Mixed Concrete
ASTM C109	Test Methods for Compressive Strength of Hydraulic Cement Mortars (Using 2 in. or 50 mm Cube Specimens)
ASTM C138	Test Method for Unit Weight, Yield and Air Content (Gravimetric) of Concrete
ASTM C143	Test Method for Slump of Hydraulic Cement Concrete.
ASTM C172	Practice for Sampling Freshly Mixed Concrete
ASTM C173	Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method
ASTM C231	Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C567	Test Method for Unit Weight of Structural Lightweight Concrete
ASTM C1090	Test Method for Temperature of Freshly Mixed Portland Cement Concrete
ASTM C1064	Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic Cement Grout
ASTM C1314	Test Method for Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry
ASTM E605	Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Material Applied to Structural Members
ASTM E736	Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members
ASTM E2174	Standard Practice for On-Site Inspection of Installed Firestops
ASTM E2393	Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers
AWCI 12-B	Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials
AWS D1.1	Structural Welding Code - Steel.
APPLICABLE BUILDING CODE	SEE STRUCTURAL DESIGN CRITERIA CHART AND GENERAL NOTES.
RCSC	Specification for Structural Joints Using High Strength Bolts.

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

THE FOLLOWING TABLES COMPRISES THE STRUCTURAL SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH CHAPTER 17 OF THE 2015 INTERNATIONAL BUILDING CODE. REFER TO THE PROJECT SPECIFICATIONS FOR REQUIRED QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES AND ADDITIONAL TESTING INFORMATION.

EARTHWORK - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	-	1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		

CAST-IN-PLACE CONCRETE - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH. 20, 25.2, 25.3, 26.6.1 - 26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" C. INSPECT ALL OTHER WELDS.	 PERIODIC PERIODIC CONTINUOUS	 AWS D1.4 ACI 318: 26.6.4	 -
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS.	 CONTINUOUS PERIODIC	 ACI 318: 17.8.2.4 ACI 318: 17.8.2	 -
5. VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.5.3 - 26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES B. GROUTING OF BONDED PRESTRESSING TENDONS.	 CONTINUOUS CONTINUOUS	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	ACI 318: CH. 26.8	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.11.2 (b)	-

MASONRY CONSTRUCTION - REQUIREMENTS FOR LEVEL B SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC	-	1705.4
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ITEMS ARE IN COMPLIANCE: A. PROPORTIONS OF SITE-PREPARED MORTAR. B. CONSTRUCTION OF MORTAR JOINTS. C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES. D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS, AND ANCHORAGES. E. PRESTRESSING TECHNIQUE. F. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY.	 PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	-	
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: A. GROUT SPACE B. GRADE, TYPE, SIZE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES. C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES. D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS. E. CONSTRUCTION OF MORTAR JOINTS.	 PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	 SEC. 6.1 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7	
4. VERIFY DURING CONSTRUCTION: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGES OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION. C. WELDING OF REINFORCEMENT. D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). E. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. F. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE G. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS.	 PERIODIC PERIODIC CONTINUOUS PERIODIC CONTINUOUS CONTINUOUS PERIODIC	 SEC. 1.2.1(E), 6.1.4.3, 8.2.1 SEC. 8.1.6.7.2, 9.3.3.4(C), 11.3.3.4(B)	
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	PERIODIC		

WOOD CONSTRUCTION - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM.	REQUIRED FOR SEISMIC CATEGORY C, D, E OR F.	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION	1705.12.2
2. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS.	PERIODIC		

SCHEDULE OF SPECIAL INSPECTIONS

SPECIAL INSPECTION AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODE LATEST EDITION:

PERIODIC SPECIAL INSPECTIONS:

1. STEEL - SEE SPECIFICATION 05120
2. STEEL JOISTS AND JOIST GIRDERS - SEE SPECIFICATION 05210
3. STEEL DECK - SEE SPECIFICATION 05300
4. CONCRETE - SEE SPECIFICATION 03310 AND 03312
5. MASONRY - SEE SPECIFICATION 04200
6. PRECAST - SEE SPECIFICATION 03410
7. SEISMIC - INSPECTIONS DURING THE ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR NON-LOAD BEARING WALLS, AND VENEER.

CONTINUOUS SPECIAL INSPECTIONS:

1. CONCRETE - SEE SPECIFICATION 03310 AND 03312
2. MASONRY - SEE SPECIFICATION 04200
3. POST-INSTALLED ANCHORS - SEE SPECIFICATION 05090

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SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

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date: 02/06/2025

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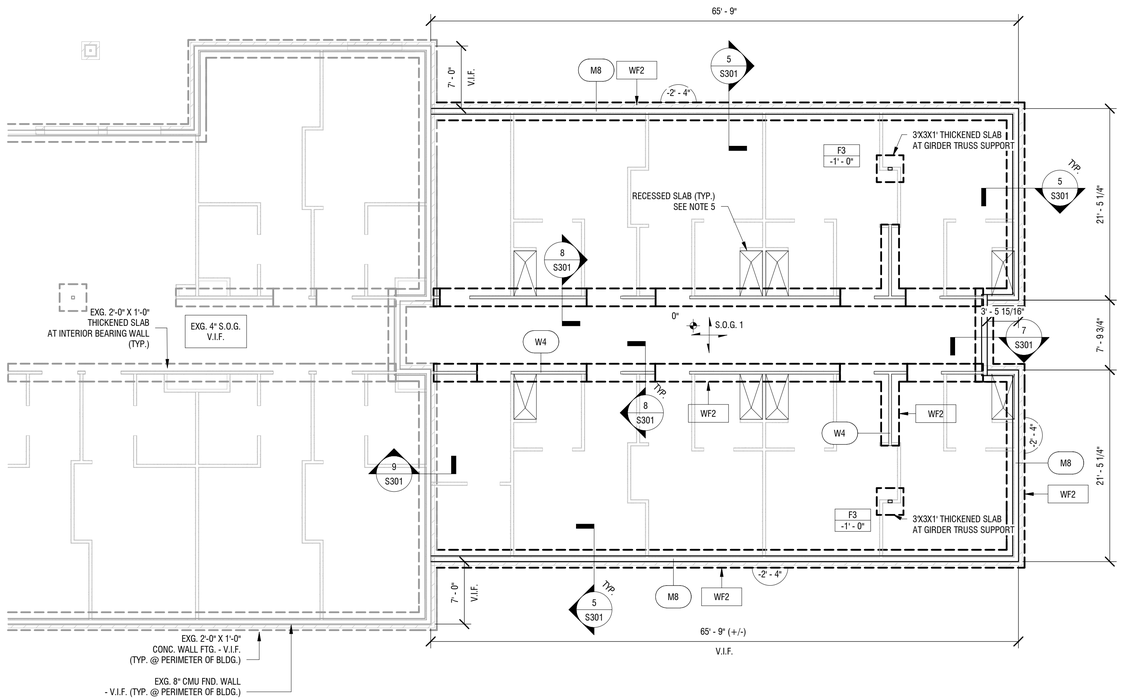
sheet title:
SPECIAL INSPECTIONS

sheet number :
S004

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FOUNDATION LEGEND

1.	P# | F# / #' - #" | -#' - #"	P# - INDICATES PIER TYPE (SEE PIER SCHEDULE) F# - INDICATES COLUMN FOOTING TYPE (SEE FOOTING SCHEDULE) [-#' - #"] - BELOW COLUMN FOOTING TYPE INDICATES BOTTOM OF FOOTING ELEVATION WITH RESPECT TO DATUM ELEVATION = 0' - 0". [-#' - #"] - BELOW PIER TYPE INDICATES TOP OF PIER ELEVATION WITH RESPECT TO DATUM ELEVATION = 0' - 0".
2.	W#	## - INDICATES WALL TYPE (SEE FOUNDATION WALL &/OR WALL SCHEDULE)
3.	WF# | #'-#"	WF# - INDICATES WALL FOOTING TYPE (SEE WALL FOOTING SCHEDULE) #'-#" - BOTTOM OF FOOTING ELEV. FOR WALL FOOTING W/ RESPECT TO DATUM ELEVATION = 0' - 0".
4.	#'-#"	#'-#" - BOTTOM OF FOOTING ELEV. FOR WALL FOOTING W/ RESPECT TO DATUM ELEVATION = 0' - 0".
5.	[##'-##"]	TOP OF WALL ELEVATION



1 / S100 FOUNDATION PLAN - AREA A

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. BOTTOM OF FOOTING ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION (DATUM ELEV. 0' - 0") AND ARE NOTED ON PLAN.
2. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
3. CENTER ISOLATED FOOTINGS UNDER COLUMNS AND/OR AT COLUMN LINE INTERSECTIONS. U.O.N..
4. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL FLOOR PLANS FOR DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
5. SEE DETAIL 1/S301 FOR RECESSED SLAB DETAIL.
6. SEE DETAIL 2/S301 FOR CONTROL JOINT SPACING.
7. PROVIDE (4) 2X6 AT EXTERIOR WALLS, (5) 2X4 AT INTERIOR BEARING WALLS (MIN.) AT ALL GIRDER TRUSS BEARING POINTS WITH SIMPSON HTT4 AT STUD BASE.
8. ALL EXTERIOR STUDS SHALL BE 2X6 SPF NO. 2 STUDS AT 16" O.C. AND ALL INTERIOR STUDS SHALL BE 2X4 SPF NO. 2 STUDS AT 16" O.C.

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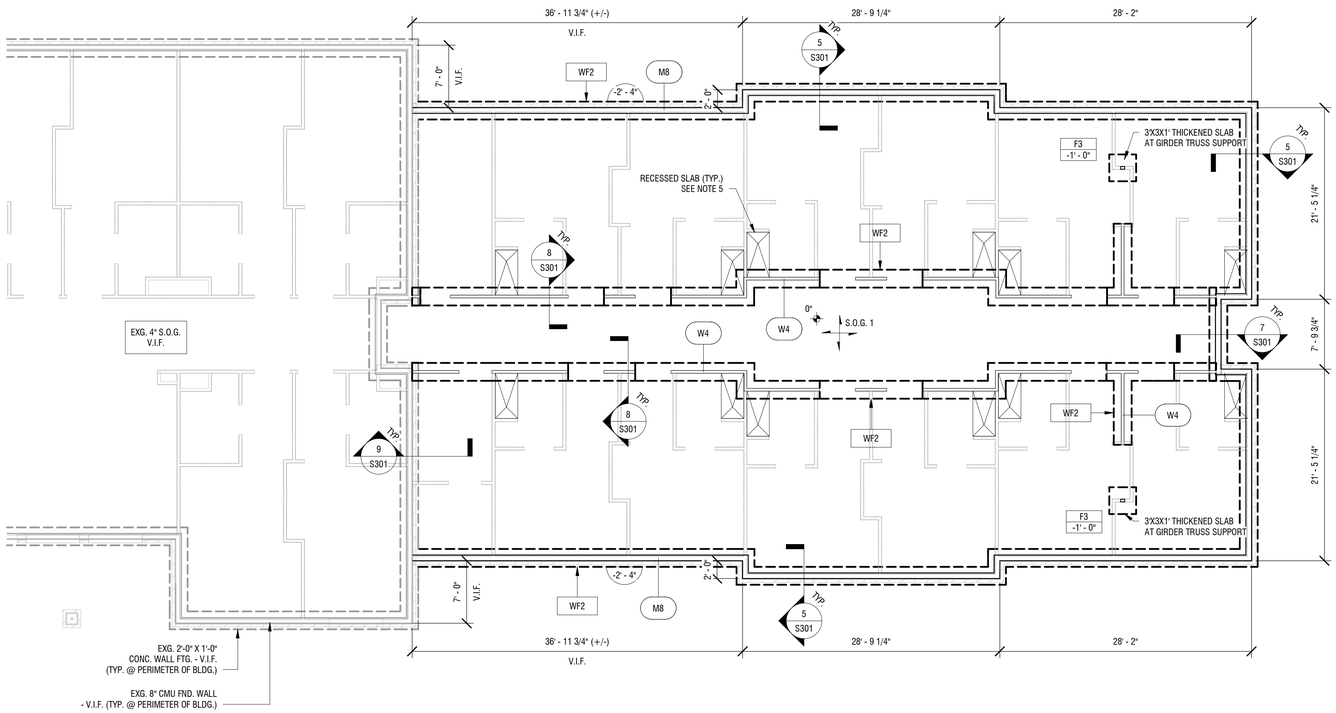
sheet title:
FOUNDATION PLAN - AREA A

sheet number :

S100

FOUNDATION LEGEND

1.	P# / #'-#" | F# / -#"-#"	P# - INDICATES PIER TYPE (SEE PIER SCHEDULE) F# - INDICATES COLUMN FOOTING TYPE (SEE FOOTING SCHEDULE) [-#"-#"] - BELOW COLUMN FOOTING TYPE INDICATES BOTTOM OF FOOTING ELEVATION WITH RESPECT TO DATUM ELEVATION = 0' - 0". [-#"-#"] - BELOW PIER TYPE INDICATES TOP OF PIER ELEVATION WITH RESPECT TO DATUM ELEVATION = 0' - 0".
2.	W#	## - INDICATES WALL TYPE (SEE FOUNDATION WALL &/OR WALL SCHEDULE)
3.	WF# | #'-#"	WF# - INDICATES WALL FOOTING TYPE (SEE WALL FOOTING SCHEDULE) #'-#" - BOTTOM OF FOOTING ELEV. FOR WALL FOOTING W/ RESPECT TO DATUM ELEVATION = 0' - 0".
4.	#'-#"	#'-#" - BOTTOM OF FOOTING ELEV. FOR WALL FOOTING W/ RESPECT TO DATUM ELEVATION = 0' - 0".
5.	[##'-##"]	TOP OF WALL ELEVATION



1 / S101 FOUNDATION PLAN - AREA B

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. BOTTOM OF FOOTING ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION (DATUM ELEV. 0' - 0") AND ARE NOTED ON PLAN.
2. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
3. CENTER ISOLATED FOOTINGS UNDER COLUMNS AND/OR AT COLUMN LINE INTERSECTIONS. U.O.N..
4. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL FLOOR PLANS FOR DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
5. SEE DETAIL 1/S301 FOR RECESSED SLAB DETAIL.
6. SEE DETAIL 2/S301 FOR CONTROL JOINT SPACING.
7. PROVIDE (4) 2X6 AT EXTERIOR WALLS, (5) 2X4 AT INTERIOR BEARING WALLS (MIN.) AT ALL GIRDER TRUSS BEARING POINTS WITH SIMPSON HTT4 AT STUD BASE.
8. ALL EXTERIOR STUDS SHALL BE 2X6 SPF NO. 2 STUDS AT 16" O.C. AND ALL INTERIOR STUDS SHALL BE 2X4 SPF NO. 2 STUDS AT 16" O.C.

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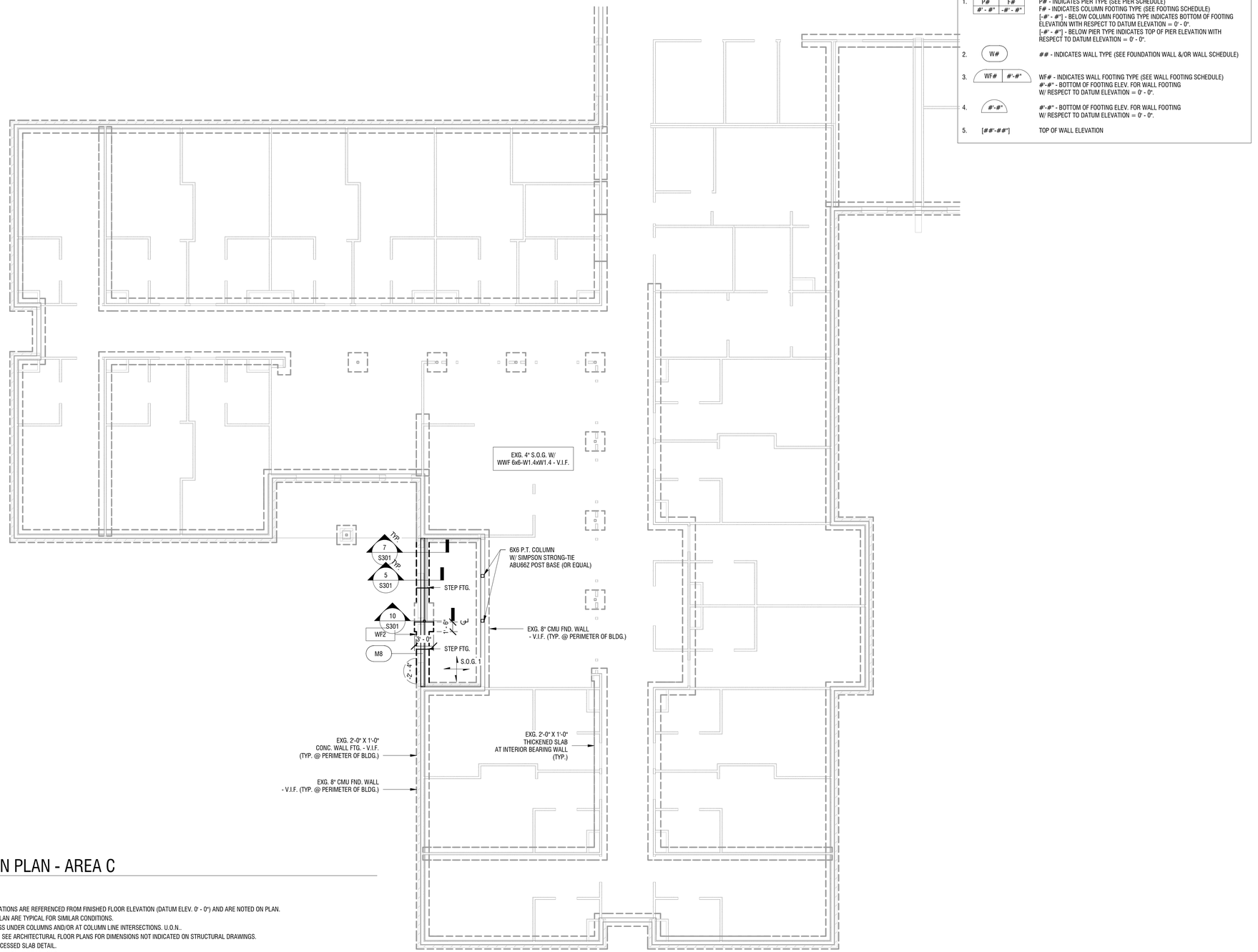
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sheet title:
FOUNDATION PLAN - AREA B

sheet number :

S101



FOUNDATION PLAN - AREA C

1 / S102 — 1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. BOTTOM OF FOOTING ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION (DATUM ELEV. 0' - 0") AND ARE NOTED ON PLAN.
2. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
3. CENTER ISOLATED FOOTINGS UNDER COLUMNS AND/OR AT COLUMN LINE INTERSECTIONS. U.O.N..
4. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL FLOOR PLANS FOR DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
5. SEE DETAIL 1/S301 FOR RECESSED SLAB DETAIL.
6. SEE DETAIL 2/S301 FOR CONTROL JOINT SPACING.
7. PROVIDE (4) 2X6 AT EXTERIOR WALLS, (5) 2X4 AT INTERIOR BEARING WALLS (MIN.) AT ALL GIRDER TRUSS BEARING POINTS WITH SIMPSON HTT4 AT STUD BASE.
8. ALL EXTERIOR STUDS SHALL BE 2X6 SPF NO. 2 STUDS AT 16" O.C. AND ALL INTERIOR STUDS SHALL BE 2X4 SPF NO. 2 STUDS AT 16" O.C.

FOUNDATION LEGEND

1.	P# | F# / #' - #" | -#' - #"	P# - INDICATES PIER TYPE (SEE PIER SCHEDULE) F# - INDICATES COLUMN FOOTING TYPE (SEE FOOTING SCHEDULE) [-#' - #"] - BELOW COLUMN FOOTING TYPE INDICATES BOTTOM OF FOOTING ELEVATION WITH RESPECT TO DATUM ELEVATION = 0' - 0". [-#' - #"] - BELOW PIER TYPE INDICATES TOP OF PIER ELEVATION WITH RESPECT TO DATUM ELEVATION = 0' - 0".
2.	W#	## - INDICATES WALL TYPE (SEE FOUNDATION WALL &/OR WALL SCHEDULE)
3.	WF# | #'-#"	WF# - INDICATES WALL FOOTING TYPE (SEE WALL FOOTING SCHEDULE) #'-#" - BOTTOM OF FOOTING ELEV. FOR WALL FOOTING W/ RESPECT TO DATUM ELEVATION = 0' - 0".
4.	#'-#"	#'-#" - BOTTOM OF FOOTING ELEV. FOR WALL FOOTING W/ RESPECT TO DATUM ELEVATION = 0' - 0".
5.	[##'-##"]	TOP OF WALL ELEVATION

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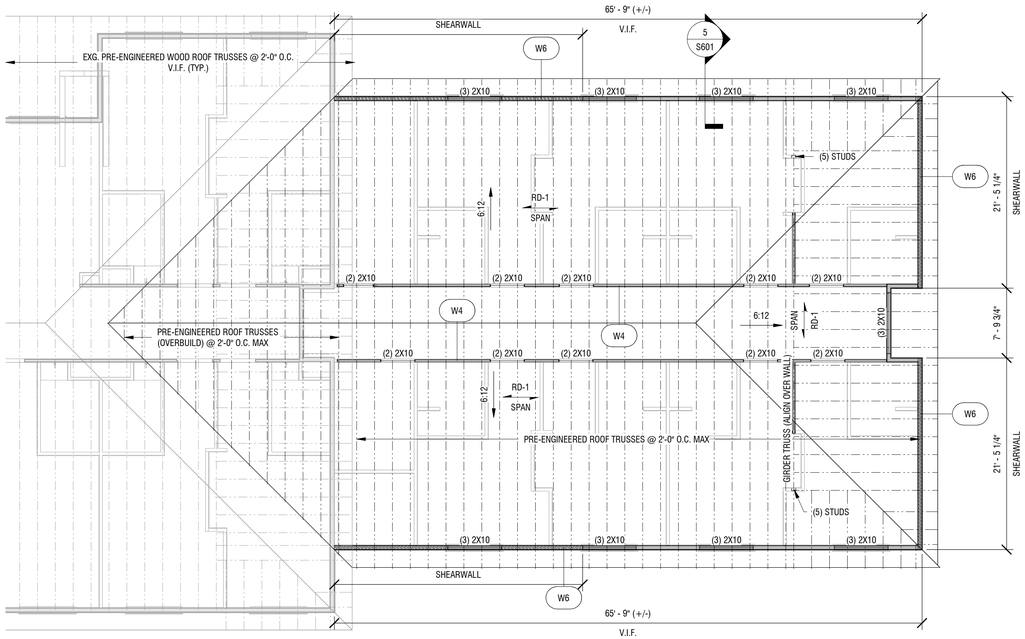
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FOUNDATION PLAN - AREA C

sheet number :
S102

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FRAMING LEGEND		
1.	S# / SPAN	ROOF DECK: ARROWS INDICATE SPAN DIRECTION # = DECK MARK (SEE ROOF DECK SCHEDULE)
2.	W#	WALL MARK: SEE WALL SCHEDULE
3.	F.D.	F.D. = FLOOR DRAIN (SEE MECH. & ARCH.)
4.	C.O.	C.O. = CLEAN OUT (SEE MECH. & ARCH.)
5.	R.D.	R.D. = ROOF DRAIN (SEE MECH. & ARCH.)
6.		INDICATES SHEAR WALL LOCATION
7.		INDICATES LOAD BEARING WALL LOCATION



1 S200 ROOF FRAMING PLAN - AREA A

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. ALL TRUSS SPACING IS AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SPACE TRUSSES AT ATTIC ACCESS DOORS TO ALLOW FOR PROPER INSTALLATION. VERIFY ATTIC ACCESS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS AND LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS.
3. DESIGN ROOF TRUSSES FOR ADDITIONAL MECHANICAL, SPRINKLER AND ARCHITECTURAL LOADS AS REQUIRED.
4. PROVIDE L5X3 1/2X5/16 (LLV) BRICK LINTEL FOR ALL OPENINGS 6'-6" OR LESS.
5. ROOF SHEATHING SHALL BE CONTINUOUS BENEATH TRUSS OVERBUILD. PROVIDE ATTACHMENT OF OVERBUILD FRAMING TO ROOF SHEATHING AND TRUSSES BELOW ACCORDING TO TRUSS MANUFACTURER.
6. PROVIDE (4) 2X6 AT EXTERIOR WALL AND (5) 2X4 AT INTERIOR WALL BELOW ALL GIRDER TRUSS BEARING POINTS.
7. VERIFY LOCATION AND EXTENT FOR THE ROOF TOP WALKWAY AND PLATFORM. SEE MECH. DRAWINGS FOR LOCATIONS.

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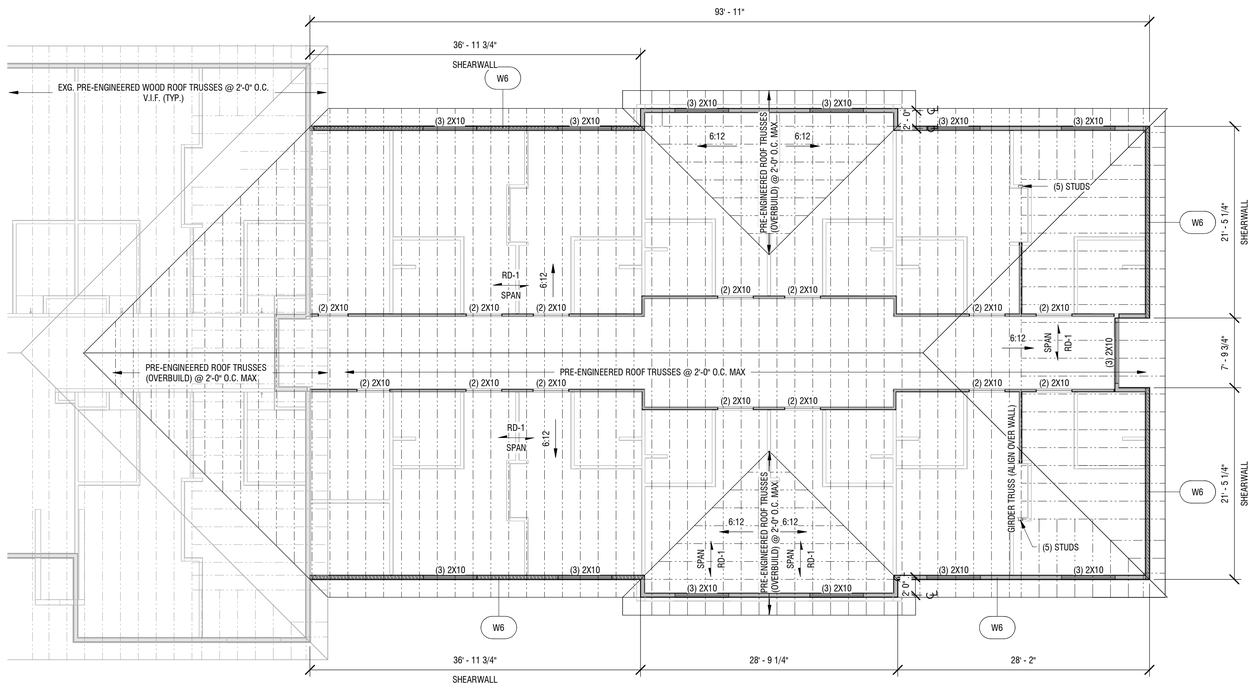
commission: NH-3138

sheet title:
ROOF FRAMING PLAN - AREA A

sheet number :

S200

FRAMING LEGEND		
1.	S# / SPAN	ROOF DECK: ARROWS INDICATE SPAN DIRECTION # = DECK MARK (SEE ROOF DECK SCHEDULE)
2.	W#	WALL MARK: SEE WALL SCHEDULE
3.	F.D.	F.D. = FLOOR DRAIN (SEE MECH. & ARCH.)
4.	C.O.	C.O. = CLEAN OUT (SEE MECH. & ARCH.)
5.	R.D.	R.D. = ROOF DRAIN (SEE MECH. & ARCH.)
6.		INDICATES SHEAR WALL LOCATION
7.		INDICATES LOAD BEARING WALL LOCATION



1 S201

ROOF FRAMING PLAN - AREA B

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. ALL TRUSS SPACING IS AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SPACE TRUSSES AT ATTIC ACCESS DOORS TO ALLOW FOR PROPER INSTALLATION. VERIFY ATTIC ACCESS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS AND LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS.
3. DESIGN ROOF TRUSSES FOR ADDITIONAL MECHANICAL, SPRINKLER AND ARCHITECTURAL LOADS AS REQUIRED.
4. PROVIDE L5X3 1/2X5/16 (LLV) BRICK LINTEL FOR ALL OPENINGS 6'-6" OR LESS.
5. ROOF SHEATHING SHALL BE CONTINUOUS BENEATH TRUSS OVERBUILD. PROVIDE ATTACHMENT OF OVERBUILD FRAMING TO ROOF SHEATHING AND TRUSSES BELOW ACCORDING TO TRUSS MANUFACTURER.
6. PROVIDE (4) 2X6 AT EXTERIOR WALL AND (5) 2X4 AT INTERIOR WALL BELOW ALL GIRDER TRUSS BEARING POINTS.
7. VERIFY LOCATION AND EXTENT FOR THE ROOF TOP WALKWAY AND PLATFORM. SEE MECH. DRAWINGS FOR LOCATIONS.

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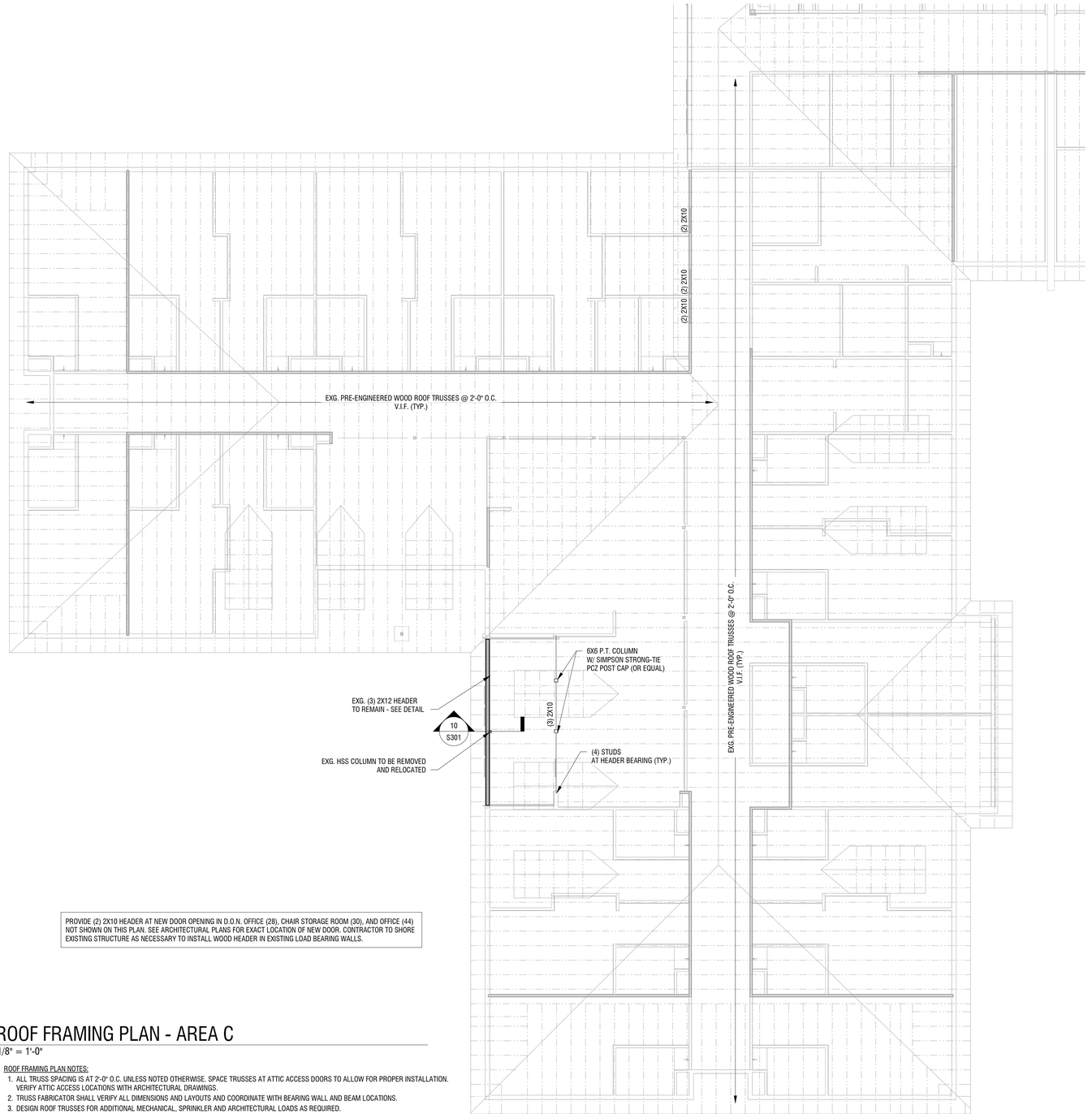
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commission: NH-3138

sheet title:
ROOF FRAMING PLAN - AREA B

sheet number :

S201



FRAMING LEGEND		
1.	S# SPAN	ROOF DECK: ARROWS INDICATE SPAN DIRECTION # = DECK MARK (SEE ROOF DECK SCHEDULE)
2.	W#	WALL MARK: SEE WALL SCHEDULE
3.	F.D.	F.D. = FLOOR DRAIN (SEE MECH. & ARCH.)
4.	C.O.	C.O. = CLEAN OUT (SEE MECH. & ARCH.)
5.	R.D.	R.D. = ROOF DRAIN (SEE MECH. & ARCH.)
6.		INDICATES SHEAR WALL LOCATION
7.		INDICATES LOAD BEARING WALL LOCATION

PROVIDE (2) 2X10 HEADER AT NEW DOOR OPENING IN D.O.N. OFFICE (28), CHAIR STORAGE ROOM (30), AND OFFICE (44) NOT SHOWN ON THIS PLAN. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF NEW DOOR. CONTRACTOR TO SHORE EXISTING STRUCTURE AS NECESSARY TO INSTALL WOOD HEADER IN EXISTING LOAD BEARING WALLS.

1 / S202 ROOF FRAMING PLAN - AREA C

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. ALL TRUSS SPACING IS AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SPACE TRUSSES AT ATTIC ACCESS DOORS TO ALLOW FOR PROPER INSTALLATION. VERIFY ATTIC ACCESS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS AND LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS.
3. DESIGN ROOF TRUSSES FOR ADDITIONAL MECHANICAL, SPRINKLER AND ARCHITECTURAL LOADS AS REQUIRED.
4. PROVIDE L5X3 1/2X5/16 (LLV) BRICK LINTEL FOR ALL OPENINGS 6'-6" OR LESS.
5. ROOF SHEATHING SHALL BE CONTINUOUS BENEATH TRUSS OVERBUILD. PROVIDE ATTACHMENT OF OVERBUILD FRAMING TO ROOF SHEATHING AND TRUSSES BELOW ACCORDING TO TRUSS MANUFACTURER.
6. PROVIDE (4) 2X6 AT EXTERIOR WALL AND (5) 2X4 AT INTERIOR WALL BELOW ALL GIRDER TRUSS BEARING POINTS.
7. VERIFY LOCATION AND EXTENT FOR THE ROOF TOP WALKWAY AND PLATFORM. SEE MECH. DRAWINGS FOR LOCATIONS.

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Charlotte, NC 28285
704-376-6423
labellapc.com

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02/18/2025

LABELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

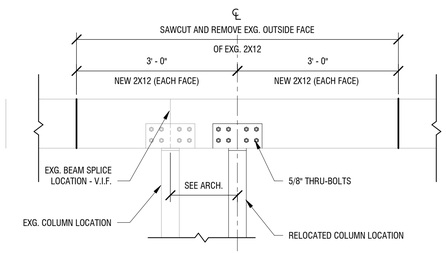
date: 02/06/2025

commission: NH-3138

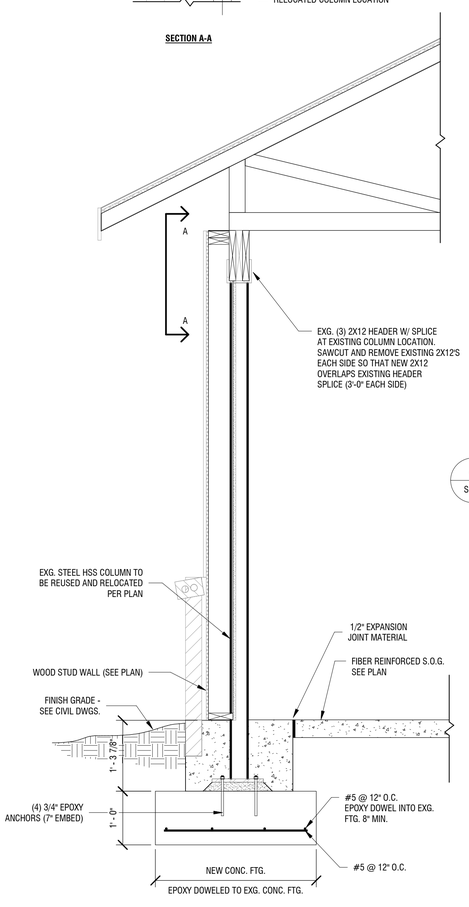
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ROOF FRAMING PLAN - AREA C

sheet number :

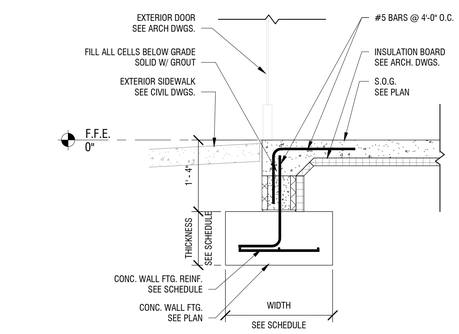
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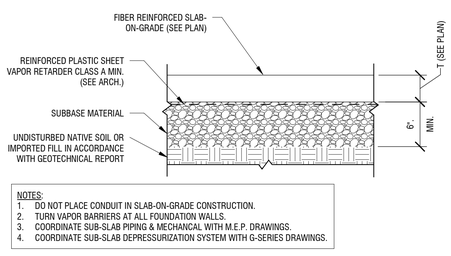
SECTION A-A



10 S301 ENCLOSED BALCONY DETAIL
3/4" = 1'-0"

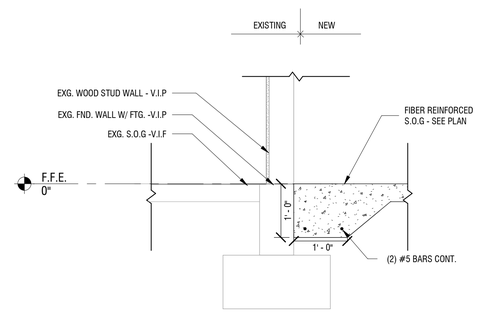


7 S301 EXTERIOR DOOR DETAIL
3/4" = 1'-0"

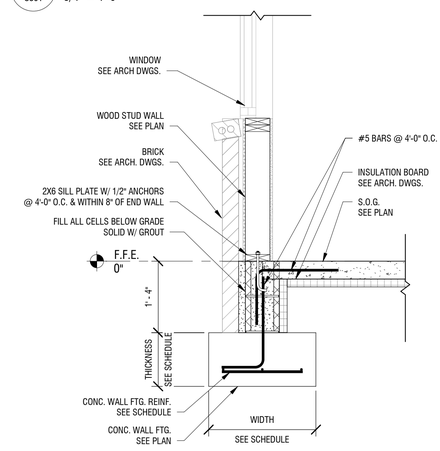


NOTES:
1. DO NOT PLACE CONDUIT IN SLAB-ON-GRADE CONSTRUCTION.
2. TURN VAPOR BARRIERS AT ALL FOUNDATION WALLS.
3. COORDINATE SUB-SLAB PIPING & MECHANCAL WITH M.E.P. DRAWINGS.
4. COORDINATE SUB-SLAB DEPRESSURIZATION SYSTEM WITH G-SERIES DRAWINGS.

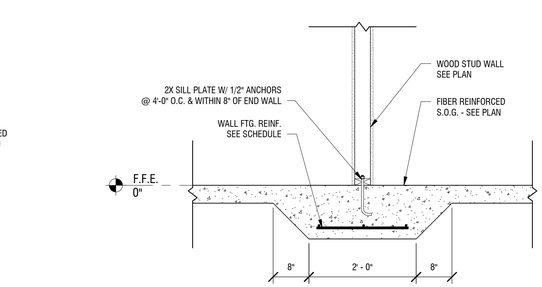
4 S301 TYPICAL SLAB-ON-GRADE WITH VAPOR BARRIER
3/4" = 1'-0"



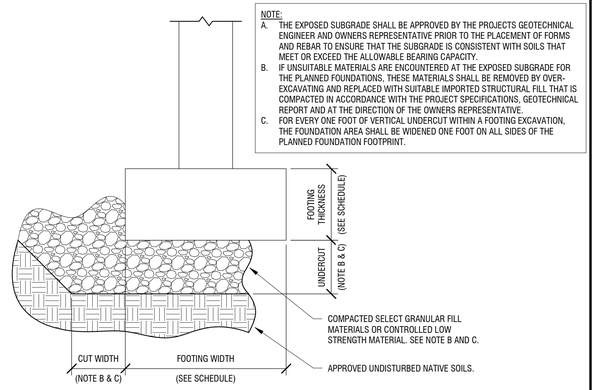
9 S301 NEW/EXISTING SLAB FOUNDATION
3/4" = 1'-0"



5 S301 FOUNDATION WALL DETAIL
3/4" = 1'-0"

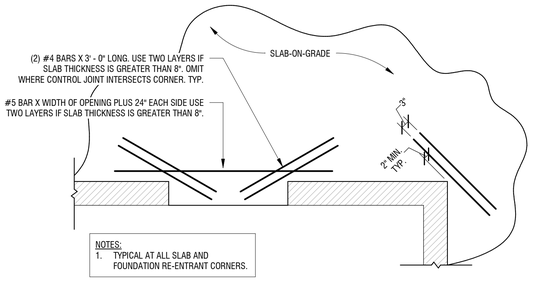


8 S301 INTERIOR LOAD BEARING WALL DETAIL
3/4" = 1'-0"



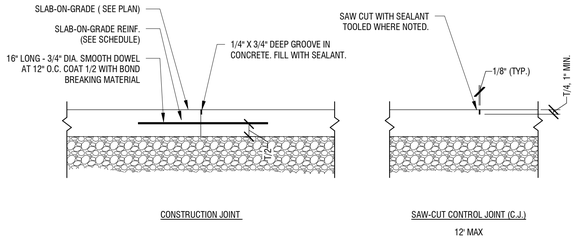
NOTE:
A. THE EXPOSED SUBGRADE SHALL BE APPROVED BY THE PROJECTS GEOTECHNICAL ENGINEER AND OWNERS REPRESENTATIVE PRIOR TO THE PLACEMENT OF FORMS AND REBAR TO ENSURE THAT THE SUBGRADE IS CONSISTENT WITH SOILS THAT MEET OR EXCEED THE ALLOWABLE BEARING CAPACITY.
B. IF UNSUITABLE MATERIALS ARE ENCOUNTERED AT THE EXPOSED SUBGRADE FOR THE PLANNED FOUNDATIONS, THESE MATERIALS SHALL BE REMOVED BY OVER-EXCAVATING AND REPLACED WITH SUITABLE IMPORTED STRUCTURAL FILL THAT IS COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, GEOTECHNICAL REPORT AND AT THE DIRECTION OF THE OWNERS REPRESENTATIVE.
C. FOR EVERY ONE FOOT OF VERTICAL UNDERCUT WITHIN A FOOTING EXCAVATION, THE FOUNDATION AREA SHALL BE WIDENED ONE FOOT ON ALL SIDES OF THE PLANNED FOUNDATION FOOTPRINT.

6 S301 TYPICAL FOUNDATION SOIL BEARING
3/4" = 1'-0"

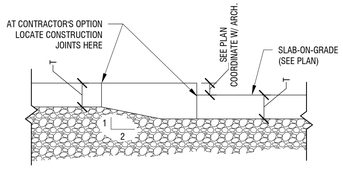


NOTES:
1. TYPICAL AT ALL SLAB AND FOUNDATION RE-ENTRANT CORNERS.

3 S301 TYPICAL SLAB-ON-GRADE RE-ENTRANT CORNER
1/2" = 1'-0"



2 S301 TYPICAL SLAB-ON-GRADE JOINT
3/4" = 1'-0"



1 S301 TYPICAL RECESSED SLAB DETAIL
1" = 1'-0"

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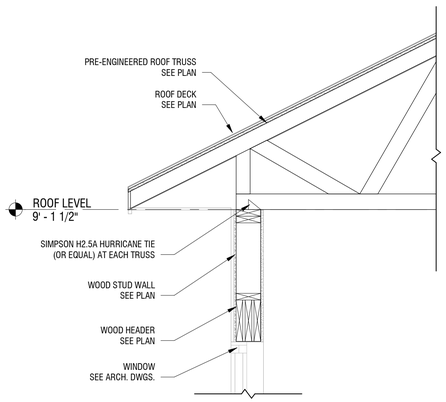
Revisions

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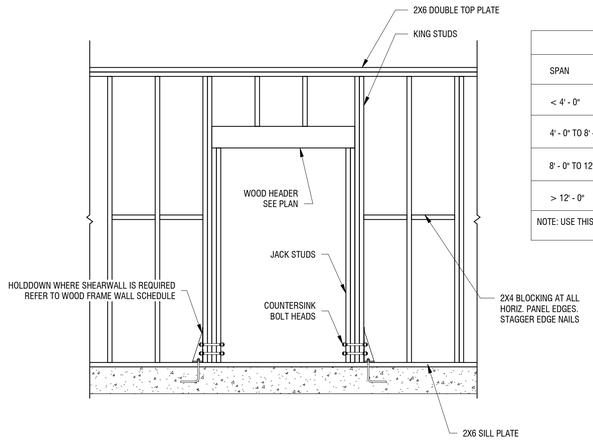
sheet title:
TYPICAL SLAB-ON-GRADE & FOUNDATION DETAILS

sheet number:
S301



5 S601 ROOF FRAMING DETAIL

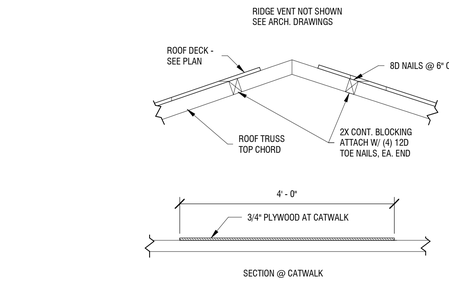
3/4" = 1'-0"



JACK AND KING STUD SCHEDULE		
SPAN	NO. OF JACK STUDS	NO. OF KING STUDS
< 4' - 0"	2	2
4' - 0" TO 8' - 0"	2	2
8' - 0" TO 12' - 0"	2	3
> 12' - 0"	NOTIFY ENGINEER	NOTIFY ENGINEER
NOTE: USE THIS SCHEDULE IF NO HEADER IS CALLED OUT ON PLANS		

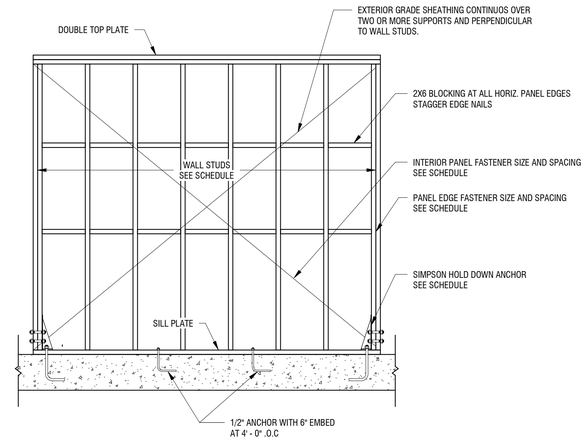
4 S601 TYPICAL WALL OPENING DETAIL

1/2" = 1'-0"



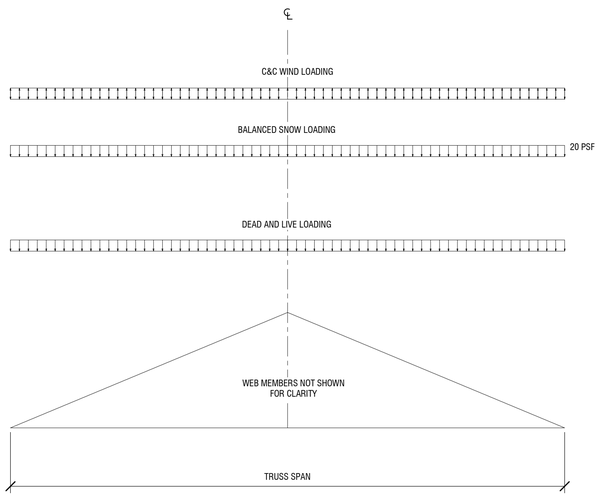
6 S601 SECTION @ RIDGE & CATWALK

3/4" = 1'-0"



3 S601 TYPICAL SHEARWALL ELEVATION

1/2" = 1'-0"



TOP CHORD SUPERIMPOSED DEAD LOAD = 10 PSF
BOTTOM CHORD COLLATERAL DEAD LOAD = 10 PSF
*NOTES
1. TRUSS DESIGN SHALL INCLUDE A 250 LB LOAD PER NFPA TO SUPPORT SPRINKLER LOADS LOCATED ANYWHERE ALONG THE BOTTOM CHORD OF THE TRUSS.
2. TRUSS DESIGN SHALL INCLUDE WEIGHT OF ALL HUNG MECHANICAL EQUIPMENT. COORDINATE LOCATIONS AND LOADING WITH MEP DRAWINGS.

LIVE LOAD = 20 PSF
LIVE LOAD AT CATWALK ONLY= 40 PSF
LIVE LOAD IN ATTICS WITHOUT A STORAGE= 10 PSF
BALANCED SNOW LOAD = SEE TRUSS LOADING DIAGRAMS
UNBALANCED SNOW LOAD = SEE TRUSS LOADING DIAGRAMS
DRIFT SNOW LOAD = SEE TRUSS LOADING DIAGRAMS

WIND C&C LOADING
TRUSS TYPE 1

DOWNWARD WIND PRESSURES
ZONE 1 = 16 PSF
ZONE 2 = 24 PSF
ZONE 3 = 24 PSF

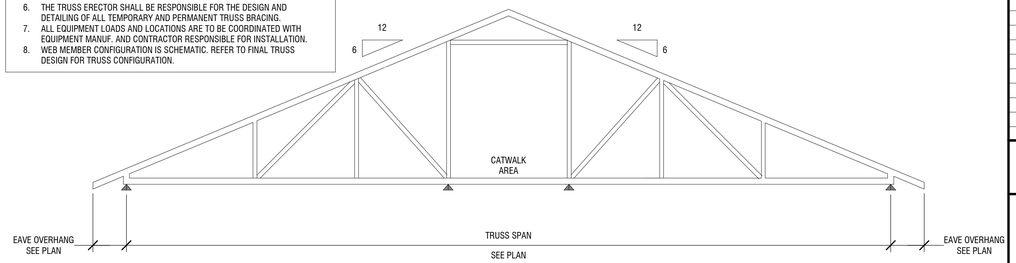
MINIMUM WIND UPLIFT PRESSURES
ZONE 1 = 16 PSF
ZONE 2 = 20 PSF
ZONE 3 = 20 PSF

DIAPHRAMS LOADS
STORY SHEAR IN BOTH MAJOR AND MINOR DIRECTION = 150 PLF

2 S601 TRUSS LOADING DIAGRAMS

1/8" = 1'-0"

NOTES:
1. ROOF TRUSSES SHALL BE DESIGNED AND DETAILED BY PRE-ENGINEERED TRUSS MANUFACTURER.
2. TRUSS MANUFACTURER TO PROVIDE HEEL BLOCKING AND CLIPS CAPBLE OF TRANSFERRING DIAPHRAMS LOADS LISTED ABOVE.
3. LOADS LISTED ABOVE ARE BASED ON SLOPED LOADS. TRUSS MANUFACTURER SHALL ADJUST LOADS IN THE HORIZONTAL PROJECTION BASED ON THE ROOF SLOPE.
4. SEE STRUCTURAL DESIGN TABLE FOR DESIGN INFORMATION.
5. SEE STRUCTURAL AND ARCHITECTURAL PLANS AND SECTIONS FOR REQUIRED TRUSS DIMENSIONS.
6. THE TRUSS ERECTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL TEMPORARY AND PERMANENT TRUSS BRACING.
7. ALL EQUIPMENT LOADS AND LOCATIONS ARE TO BE COORDINATED WITH EQUIPMENT MANUF. AND CONTRACTOR RESPONSIBLE FOR INSTALLATION.
8. WEB MEMBER CONFIGURATION IS SCHEMATIC. REFER TO FINAL TRUSS DESIGN FOR TRUSS CONFIGURATION.



TRUSS TYPE 1

1 S601 TRUSS PROFILES

3/16" = 1'-0"

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sheet title:
TYPICAL WOOD DETAILS

sheet number :

S601

DRAWING SYMBOLS

AV	ACID VENT
AW	ACID WASTE
CA	COMPRESSED AIR
FR	FUEL OIL RETURN
FS	FUEL OIL SUPPLY
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER SUPPLY
DHR	DOMESTIC HOT WATER RECIRC
IW	INDIRECT WASTE
NG	NATURAL GAS
SAN	SANITARY DRAIN
ST	STORM DRAIN
VAC	VACUUM
V	VENT

EXISTING PIPE, EQUIPMENT

NEW PIPE, EQUIPMENT

PIPE, EQUIPMENT TO BE REMOVED

EQUIPMENT TO BE REMOVED

F.D. FLOOR DRAIN

R.D. ROOF DRAIN

F.S. FLOOR SINK

P TRAP

BRANCH OFF TOP OF PIPE

BRANCH OFF BOTTOM OF PIPE

PIPE TURNED UP

PIPE TURNED DOWN

REDUCER

PIPE BREAK

BALL VALVE

BUTTERFLY VALVE

GATE VALVE

SHUT OFF VALVE (GATE, BALL, OR BUTTERFLY - REFER TO SPECS)

CHECK VALVE

BALANCE VALVE

ANGLE VALVE

PRESSURE REDUCING VALVE

STEAM TRAP

MOTOR OR SOLENOID CONTROL VALVE

MOTOR OR SOLENOID CONTROL VALVE (3-WAY)

TRIPLE DUTY VALVE

RELIEF VALVE

STRAINER

WHA WATER HAMMER ARRESTER

P-TRAP

UNION

PRESSURE GAUGE

PUMP

CO CLEAN OUT

POINT OF DISCONNECTION

POINT OF CONNECTION

A / M-2 SECTION CALLOUT

A / M-2 DETAIL NUMBER

1 DEMOLITION KEY NOTE

1 KEY NOTE

NOTE:
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/ OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

GENERAL NOTES

PLUMBING GENERAL NOTES

1 DO NOT SHUT DOWN ANY PLUMBING, FIRE PROTECTION, NATURAL GAS, OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT. PROVIDE 7 DAYS NOTICE PRIOR TO SHUTTING DOWN.

2 IF REQUIRED, COORDINATE ALL SHUT DOWNS AND TIE-INS DURING OFF HOURS TO AVOID DISRUPTION OF BUILDING SYSTEMS. COORDINATE ALL SHUT DOWN REQUIREMENTS PRIOR TO SUBMITTING BID (INCLUDE ALL REQUIRED DURING OFF HOURS IN BID).

3 PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.

4 PROVIDE ALL REQUIRED EXCAVATION, BACKFILL AND COMPACTION FOR ALL UNDERGROUND WORK.

5 FIELD VERIFY EXACT LOCATION, DEPTH, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.

6 PROVIDE CUTTING, CORING AND PATCHING OF ALL WALLS, SLABS AND DECKS AS REQUIRED FOR WORK SHOWN. COORDINATE ALL WORK WITH OWNER AND GENERAL CONTRACTOR AND ALL TRADES.

7 PROVIDE SCHEDULE 40 BLACK STEEL PIPE SLEEVES FOR ALL UNDERGROUND PIPING PASSING THROUGH OR UNDER FOOTINGS, WALLS, FOUNDATION WALLS, SLABS FLOORS AND/OR UNDERGROUND STRUCTURES.

8 WHERE PIPING IS LOCATED OVER FOOTINGS AND/OR OTHER UNDERGROUND STRUCTURES, ROLL DOWN AS REQUIRED TO CONNECT TO SYSTEMS NOTED. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS.

9 PITCH ALL SANITARY, WASTE, AND STORM PIPING AS FOLLOWS: PIPING SMALLER THAN 3", PITCH AT 2 PERCENT (1/4" PER FOOT) MINIMUM. 3" AND LARGER, PITCH AT 1 PERCENT (1/8" PER FOOT) MINIMUM.

10 CONNECT TO SITE PIPING OUTSIDE BUILDING AS SHOWN. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS. FIELD VERIFY EXACT LOCATION, DEPTH AND COMPOSITION OF SITE SERVICES AND COORDINATE ALL WORK WITH SITE CONTRACTOR.

11 COORDINATE ALL VENT TERMINATIONS ABOVE ROOF WITH HVAC CONTRACTOR. ALL VENT TERMINATIONS ABOVE ROOF SHALL BE A MINIMUM 10'-0" AWAY FROM ANY HVAC OUTSIDE AIR INTAKE (ROOFTOP UNIT, LOUVER, ETC.).

12 PROVIDE SINGLE HOSE BIBB WITH VACUUM BREAKER (HB) UNDER LAVATORY(S) IN ALL TOILET ROOMS WITH FLOOR DRAINS. ONE REQUIRED PER ROOM.

13 THE EXISTING PIPING INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.

14 THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.

15 THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTIONS, TAP-ON FEES, ETC.

16 CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUTDOWN WITH THE OWNER 5 DAYS IN ADVANCE.

17 CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY PIPING & PLUMBING FITTINGS, PIPING, MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL PLUMBING RELATED ITEMS.

18 ALL WORK SHALL BE COORDINATED WITH THE EQUIPMENT VENDORS.

19 THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDER SLAB PIPING WITH EXISTING STRUCTURAL FOUNDATIONS. UNDERGROUND UTILITY LOCATIONS SHALL BE VERIFIED PRIOR TO ANY WORK BEING PERFORMED. CONTRACTOR SHALL REPAIR OR REPLACE ALL PIPING NOT IN PROPER WORKING ORDER OR DAMAGED DURING INSTALLATION OF THE NEW UNDERSLAB PIPING.

20 ALL PLUMBING & PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE STATE AND LOCAL CODE REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.

21 ALL PIPING PENETRATIONS THROUGH NEW, EXISTING WALL, OR FLOOR SHALL BE SEALED TO EQUAL THE RATING OF THE NEW, EXISTING WALL OR FLOOR.

22 THE ENTIRE DOMESTIC WATER SYSTEM (EXISTING/NEW) SHALL BE DISINFECTED IN ACCORDANCE TO THE LOCAL CODE & HEALTH DEPARTMENT REQUIREMENTS.

23 THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER STATE AND LOCAL CODE & PER AUTHORITY HAVING JURISDICTION REQUIREMENTS.

24 ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.

25 CONTRACTOR SHALL INSULATE ALL PLUMBING PIPING PER ENERGY CONSERVATION CODE REQUIREMENTS.

APPLICABLE CODES

- 2018 NORTH CAROLINA BUILDING CODE
- 2018 NORTH CAROLINA MECHANICAL CODE
- 2018 NORTH CAROLINA FIRE CODE
- 2018 NORTH CAROLINA PLUMBING CODE
- 2018 NORTH CAROLINA ENERGY CONSERVATION CONSTRUCTION CODE
- ACCESSIBLE AND USUABLE BUILDING AND FACILITIES-CABO/ANSI A117.1
- 2017 NATIONAL ELECTRIC CODE
- 2016 NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

SHEET LIST

P001	PLUMBING LEGEND SHEET
P002	OVERALL LEVEL 1 PLUMBING PLAN
PD101	DEMOLITION PLUMBING PLAN - BLDG A & B
PD102	DEMOLITION PLUMBING PLAN - BLDG C
P101	LEVEL 1 DOMESTIC WATER PLAN - BLDG A & B
P102	LEVEL 1 DOMESTIC WATER PLAN - BLDG C
P103	LEVEL 1 DOMESTIC WATER PLAN - ADDITION A & B
P201	LEVEL 1 SANITARY/WASTE PLAN - BLDG A & B
P202	LEVEL 1 SANITARY/WASTE PLAN - BLDG C
P203	LEVEL 1 SANITARY/WASTE PLAN - ADDITION A & B
P401	PLUMBING ENLARGED/ISOMETRIC PLANS
P501	PLUMBING DETAILS & SCHEDULES

EQUIPMENT DESIGNATIONS

BT	BATH TUB
CO	CLEANOUT
CS	CUP SINK
CV	CONTROL VALVE
DF	DRINKING FOUNTAIN
DPCO	DECK PLATE CLEANOUT
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
EJ	EXPANSION JOINT
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWS	EMERGENCY EYEWASH/SHOWER
FI	FILTER
HB	HOSE BIBB
KS	KITCHEN SINK
LAV	LAVATORY
M	METER
MS	MOP SINK
NF	NON-FREEZE HOSE BIB
P	PUMP
OS	OIL SEPARATOR
S	SINK
SA	SHOCK ABSORBER (WATER HAMMER ARRESTOR)
SS	SERVICE SINK
SH	SHOWER
SP	SUMP PUMP
SRV	SAFETY RELIEF VALVE
SWP	SEWAGE PUMP
TK	WATER TANK
UR	URINAL
WC	WATER CLOSET
WCO	WALL CLEANOUT
WS	WATER SOFTENER

NOTE:
SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

ABBREVIATIONS

%	PERCENT
AC	ALTERNATING CURRENT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
AMB	AMBIENT
AMP	AMPERE (AMP AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APPROX	APPROXIMATE (LY)
AVG	AVERAGE
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BO	BOTTOM OF
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BV	BALANCING VALVE
CAP	CAPACITY
CIP	CAST IRON PIPE
CLG	CEILING
CLR	CLEAR
CO	CLEANOUT or CARBON MONOXIDE
COL	COLUMN
CONN	CONNECTION
CONC	CONCRETE
CONT	CONTINUOUS
CU FT	CUBIC FEET
CV	VALVE FLOW COEFFICIENT
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DCV	DETECTOR CHECK VALVE
DCW	DOMESTIC COLD WATER
DEMO	DEMOLISH or DEMOLITION
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWH	DOMESTIC WATER HEATER
DWV	DRAIN, WASTE, & VENT
DWG	DRAWING
(E)	EXISTING
ENGR	ENGINEER
EQ	EQUAL
EST	ESTIMATED
ETR	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
°F	DEGREES FAHRENHEIT
FA	FREE AREA
FIN	FINISHED
FL	FLOOR
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT OR FEET
FUT	FUTURE
GA	GAGE OR GAUGE
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HR	HOUR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	FREQUENCY
ID	DIAMETER, INSIDE
IN	INCH
INSUL	INSULATION
INT	INTERIOR
IPS	IRON PIPE SIZE
INV	INVERT
KW	KILOWATT
KWH	KILOWATT HOUR
LBS	POUNDS
LF	LINEAR FEET
LG	LENGTH
LOC	LOCATION
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MATL	MATERIAL
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPT	NATIONAL PIPE TREAD
NRS	NON-RISING STEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	DIAMETER, OUTSIDE
OS&Y	OUTSIDE SCREW AND YOKE
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PH	PHASE (ELECTRICAL)
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GUAGE
PRV	PRESSURE REDUCING VALVE
RCVR	RECEIVER
RECIRC	RECIRCULATE
RHW	HOT WATER RE-CIRCULATION
RO	ROUGH OPENING
RPDA	REDUCED-PRESSURE DETECTOR ASSY.
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED-PRESSURE ZONE
SCH	STEAM CAPTURE HOOD
SPEC	SPECIFICATION
SPLY	SUPPLY
SQ	SQUARE
SQ FT	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH (INCHES)
STD	STANDARD
SUCT	SUCTION
T'STAT	THERMOSTAT
TBD	TO BE DETERMINED
TC	TEMPERATURE CONTROL CONTRACTOR
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TO	TOP OF
TYP	TYPICAL
V	VOLT
VAC	VACUUM
VAR	VARIABLE
VEL	VELOCITY
VIF	VERIFY IN FIELD
VOL	VOLUME
W	WASTE
W/	WITH
W/O	WITH OUT
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTER
WM	WATER METER
WPD	WATER PRESSURE DROP
WT	WEIGHT
WWP	WORKING WATER PRESSURE

NOTE:
SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

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01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION
195 SPRINGBROOK AVE, CLAYTON, NC

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FOR CONSTRUCTION

Revisions

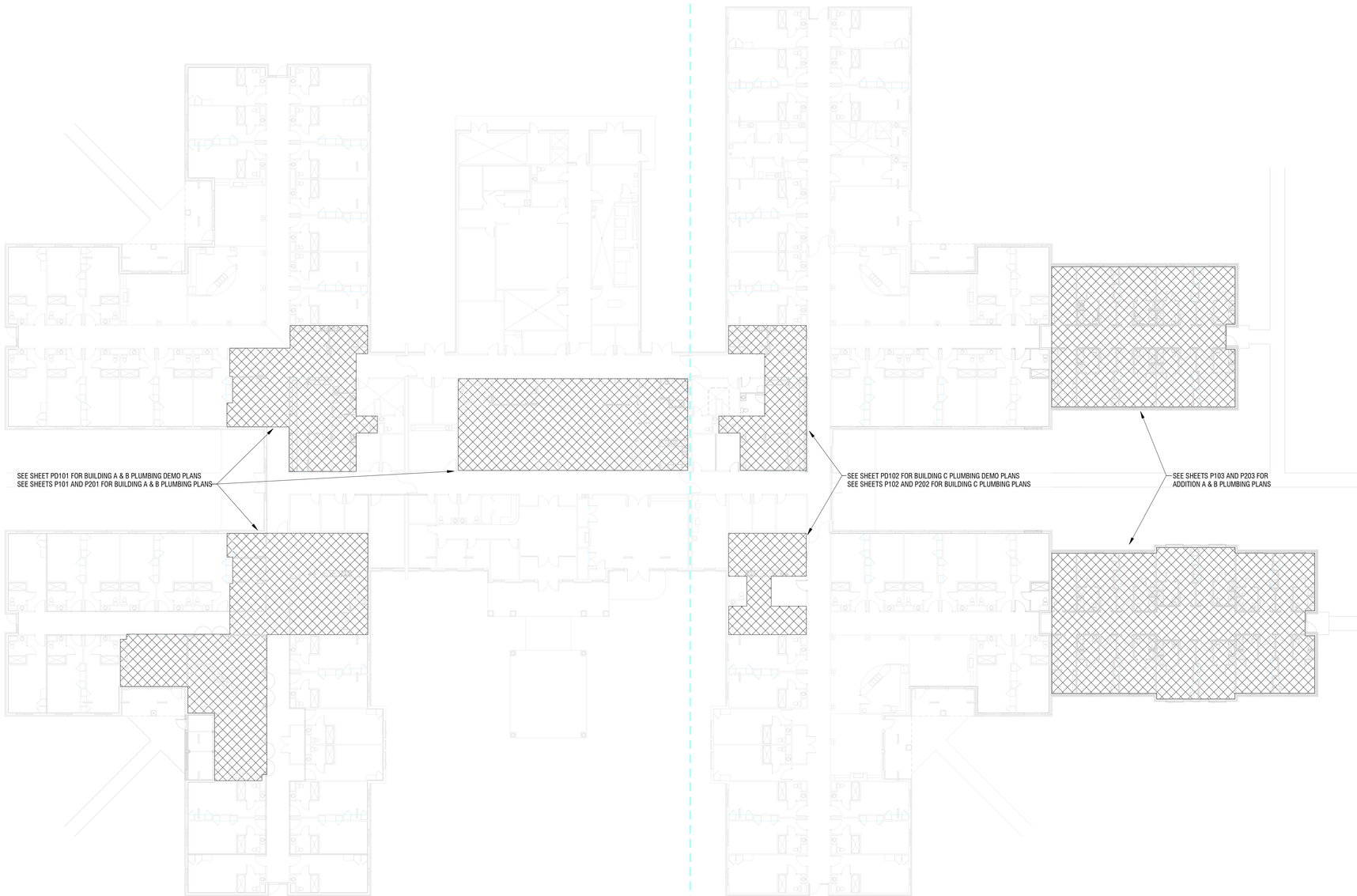
No.	Description	Date

date: 02/06/2024
commission: NH-3138

sheet title:
PLUMBING LEGEND SHEET

sheet number :
P001

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1 / P002 LEVEL 1 PLUMBING PLAN - OVERALL

1" = 20'-0"

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195 SPRINGBROOK AVE, CLAYTON, NC

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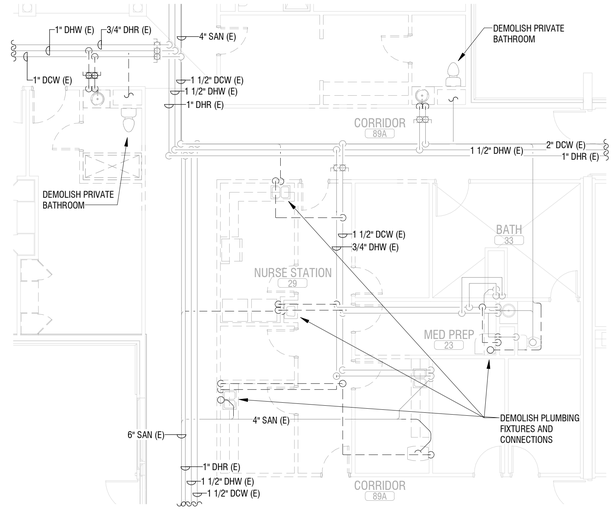
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commission: NH-3138

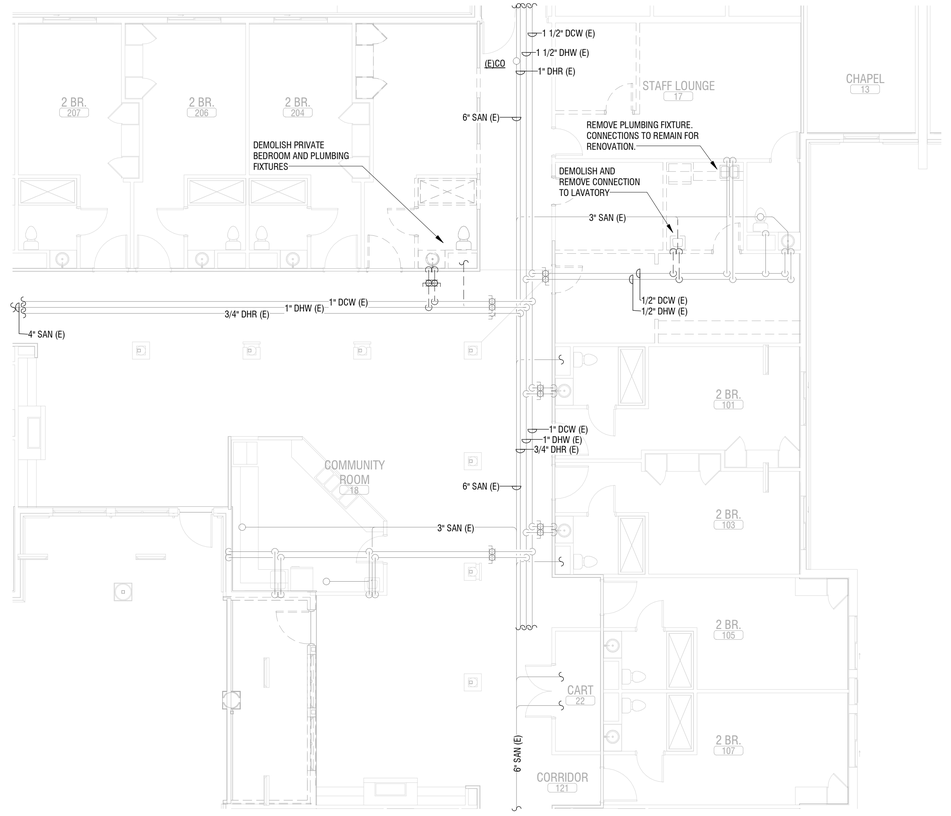
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OVERALL LEVEL 1 PLUMBING PLAN

sheet number :

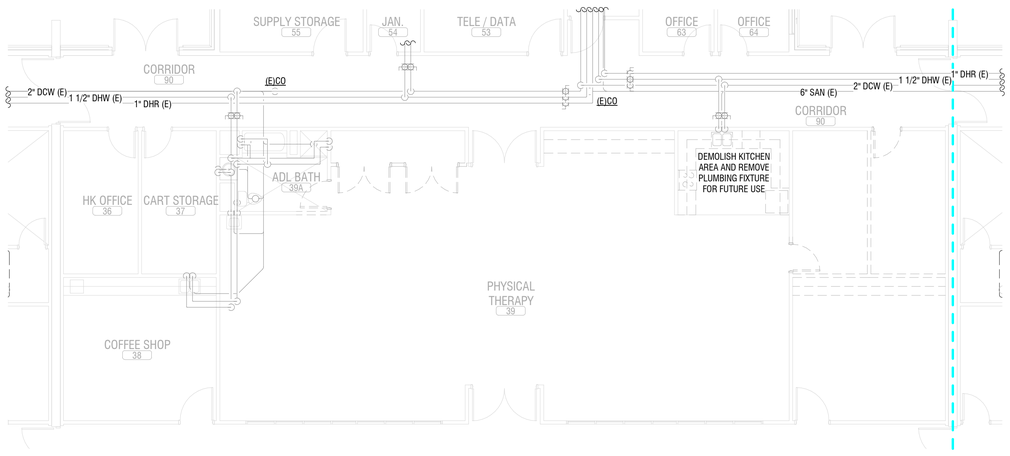
P002



2 PD101 LEVEL 1 DEMOLITION PLUMBING PLAN - BLDG A (NURSE STATION)
1/8" = 1'-0"



1 PD101 LEVEL 1 DEMOLITION PLUMBING PLAN - BLDG A (COMMUNITY ROOM)
1/8" = 1'-0"



3 PD101 LEVEL 1 DEMOLITION PLUMBING PLAN - BLDG B
1/8" = 1'-0"

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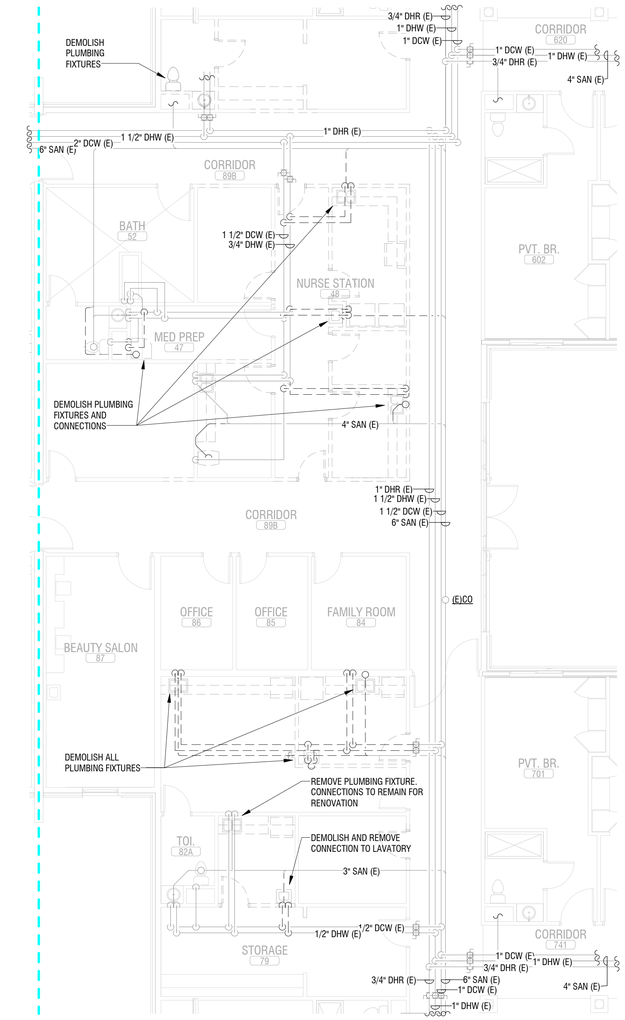
date: 02/06/2024

commission: NH-3138

sheet title:
DEMOLITION PLUMBING PLAN - BLDG A & B

sheet number :

PD101



1 PD102 LEVEL 1 DEMOLITION PLUMBING PLAN - BLDG C

1/8" = 1'-0"

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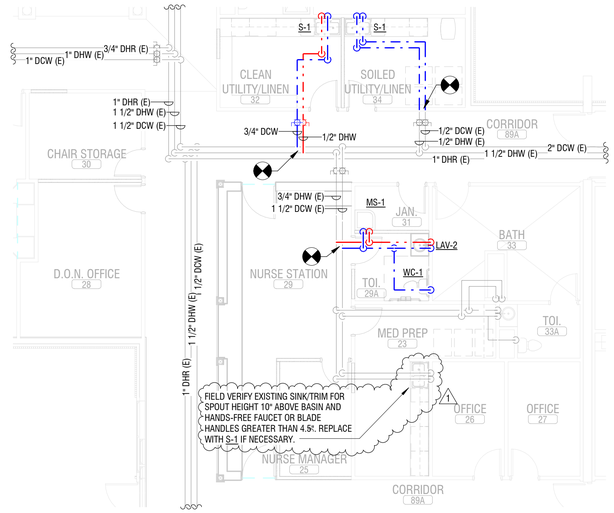
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sheet title:
DEMOLITION PLUMBING PLAN - BLDG C

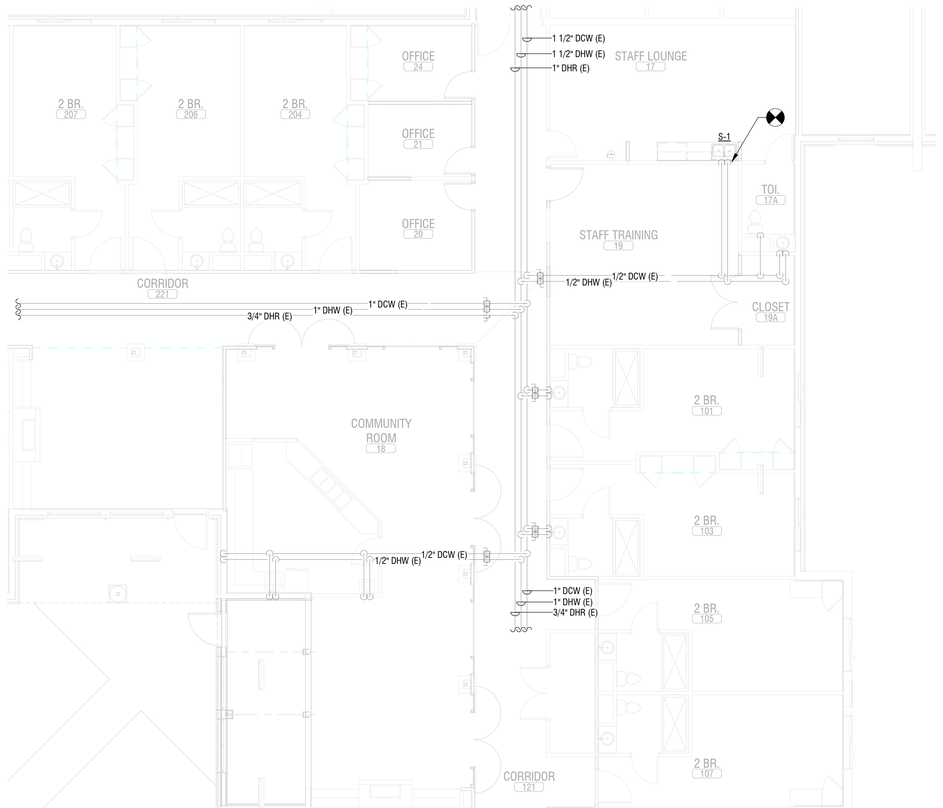
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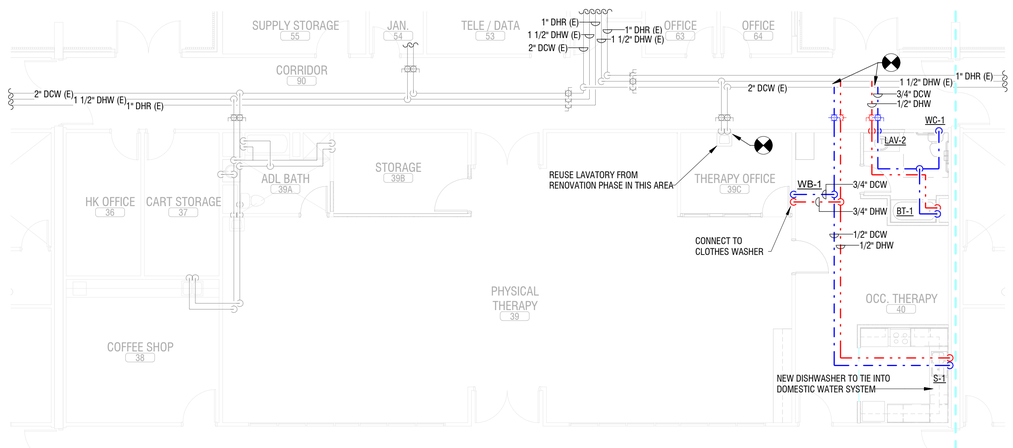
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2 P101 LEVEL 1 DOMESTIC WATER PLAN - BLDG A (NURSE STATION)
1/8" = 1'-0"



1 P101 LEVEL 1 DOMESTIC WATER PLAN - BLDG A (COMMUNITY ROOM)
1/8" = 1'-0"



3 P101 LEVEL 1 DOMESTIC WATER PLAN - BLDG B
1/8" = 1'-0"

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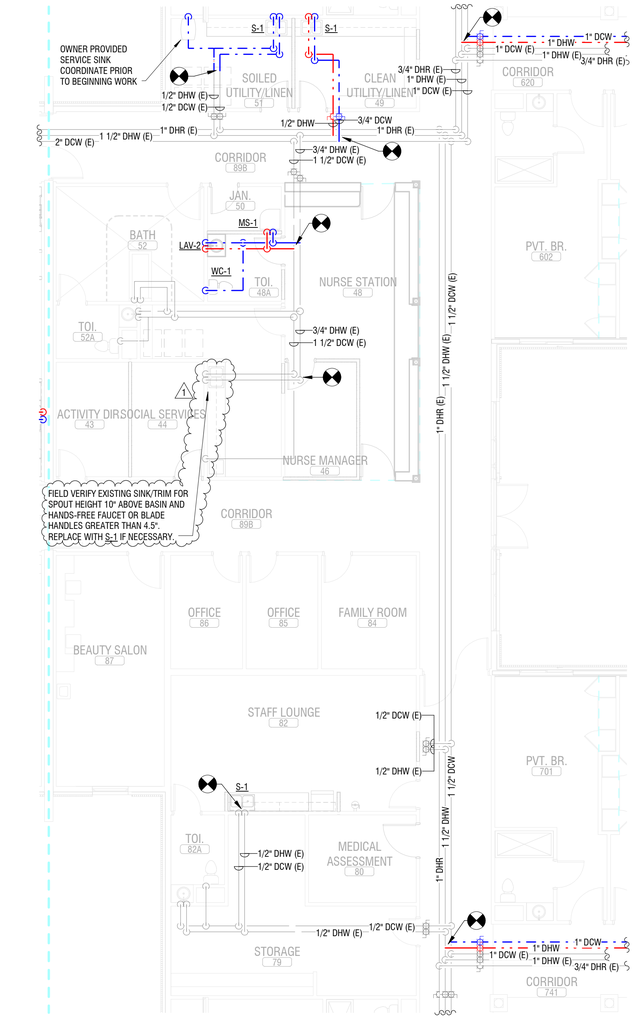
Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024
commission: NH-3138

sheet title:
LEVEL 1 DOMESTIC WATER PLAN - BLDG A & B

sheet number :
P101



1 P102 LEVEL 1 DOMESTIC WATER PLAN - BLDG C

1/8" = 1'-0"

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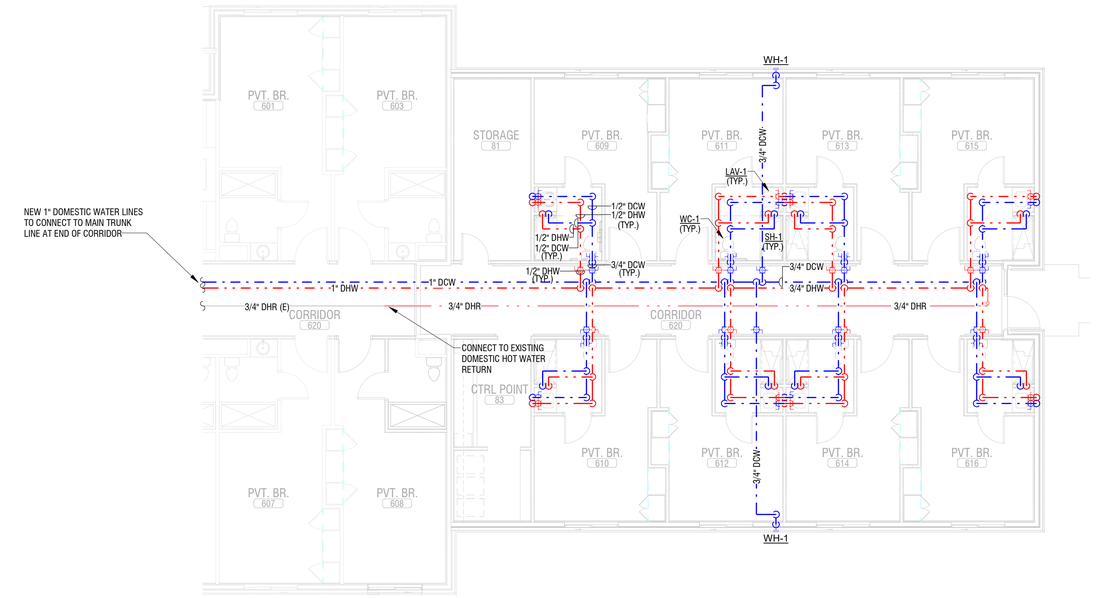
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sheet number :

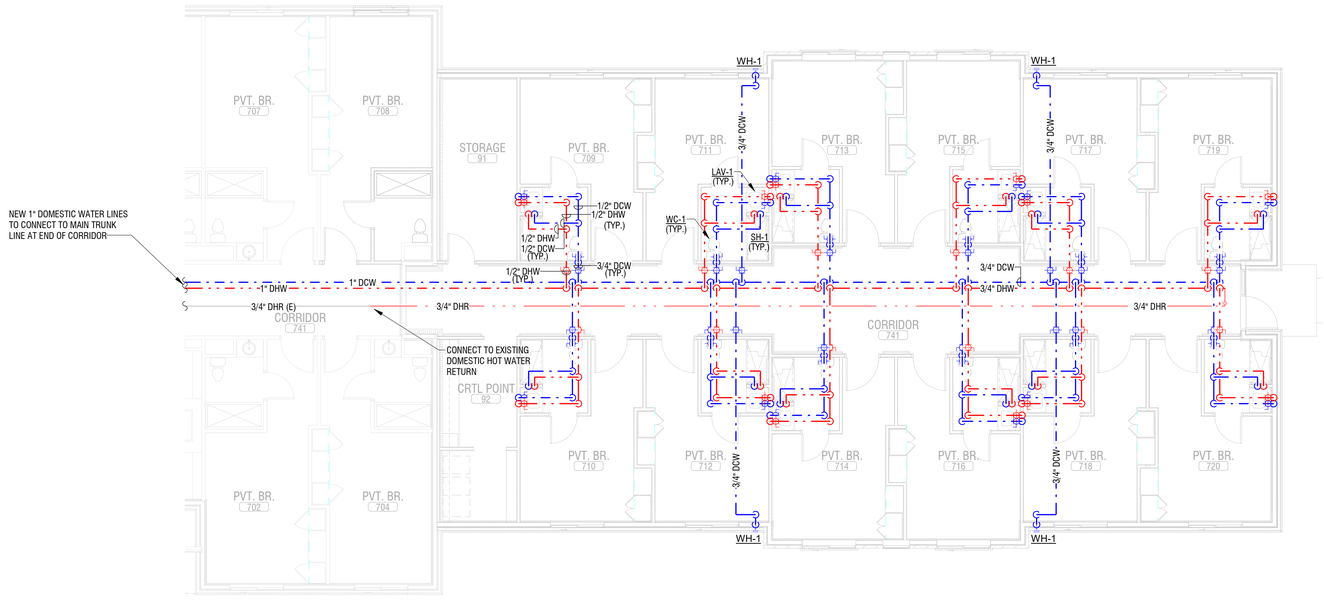
P102

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1 P103 LEVEL 1 DOMESTIC WATER PLAN - ADDITION A

1/8" = 1'-0"



2 P103 LEVEL 1 DOMESTIC WATER PLAN - ADDITION B

1/8" = 1'-0"

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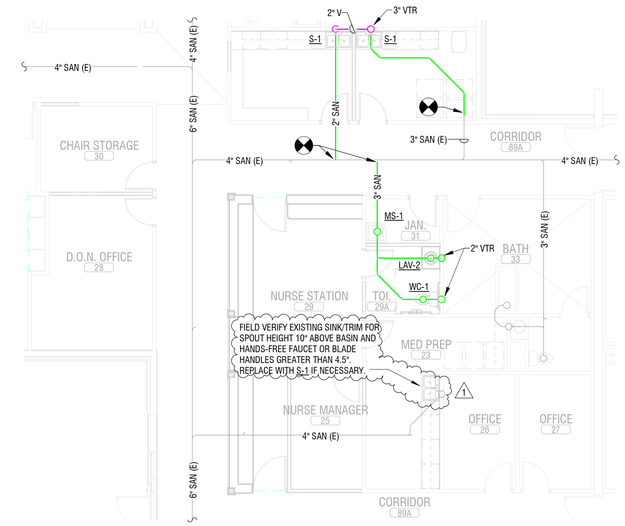
date: 02/06/2024

commission: NH-3138

sheet title:
LEVEL 1 DOMESTIC WATER PLAN - ADDITION A & B

sheet number :

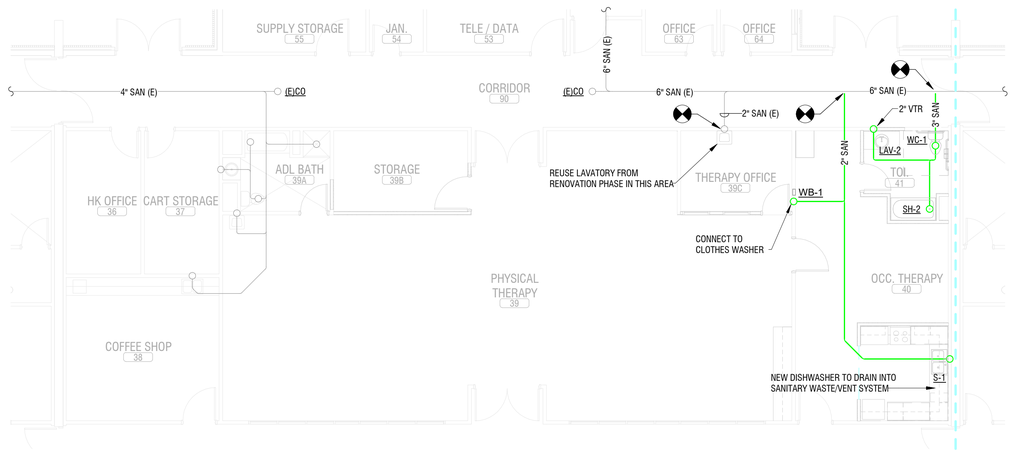
P103



2 P201 LEVEL 1 SANITARY/WASTE PLAN - BLDG A (NURSE STATION)
1/8" = 1'-0"



1 P201 LEVEL 1 SANITARY/WASTE PLAN - BLDG A (COMMUNITY ROOM)
1/8" = 1'-0"



3 P201 LEVEL 1 SANITARY/WASTE PLAN - BLDG B
1/8" = 1'-0"

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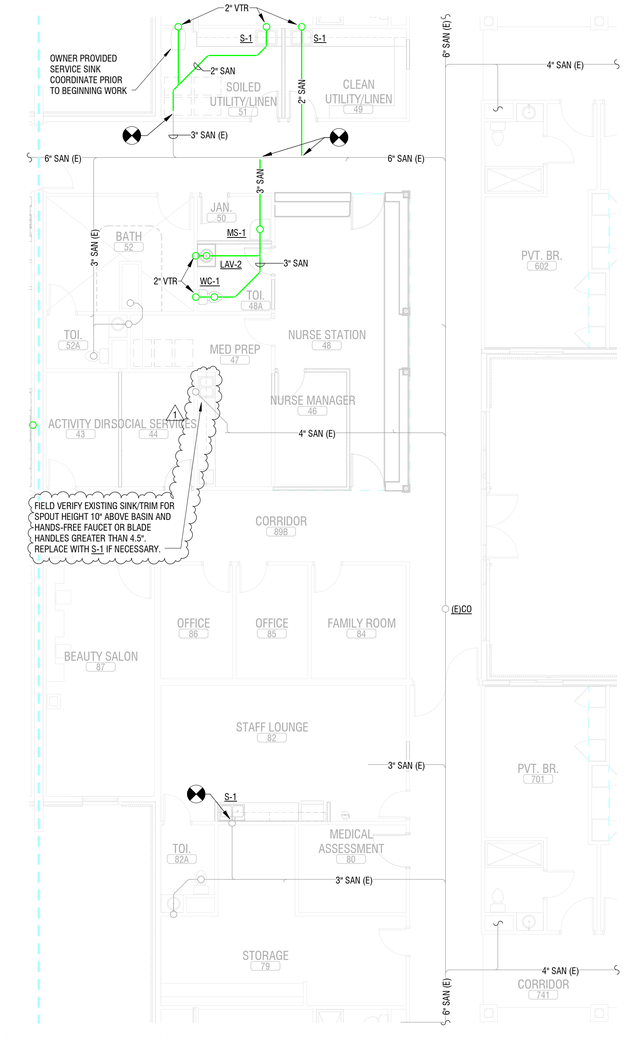
commission: NH-3138

sheet title:
LEVEL 1 SANITARY/WASTE PLAN - BLDG A & B

sheet number :

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1 P202 LEVEL 1 SANITARY/WASTE PLAN - BLDG C
1/8" = 1'-0"

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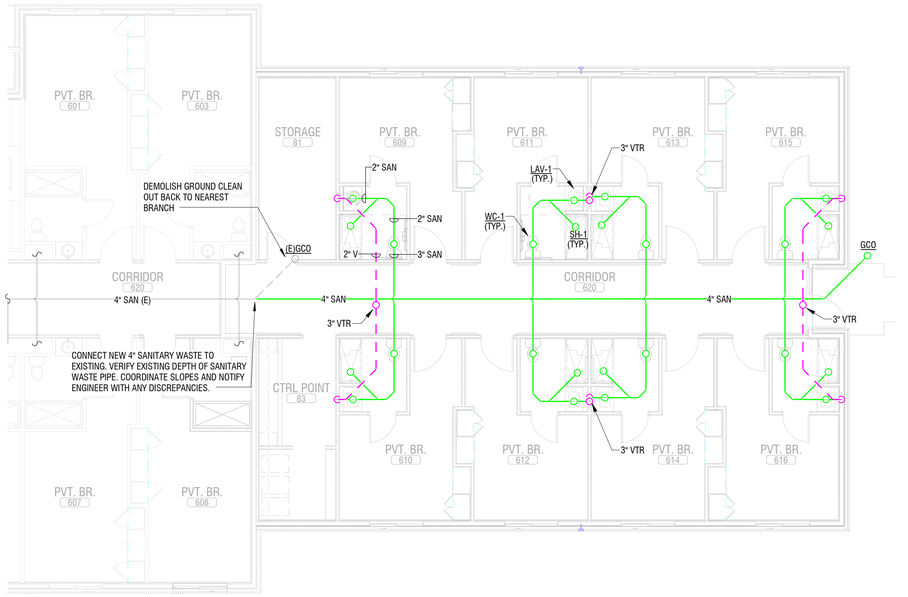
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sheet title:
LEVEL 1 SANITARY/WASTE PLAN - BLDG C

sheet number :

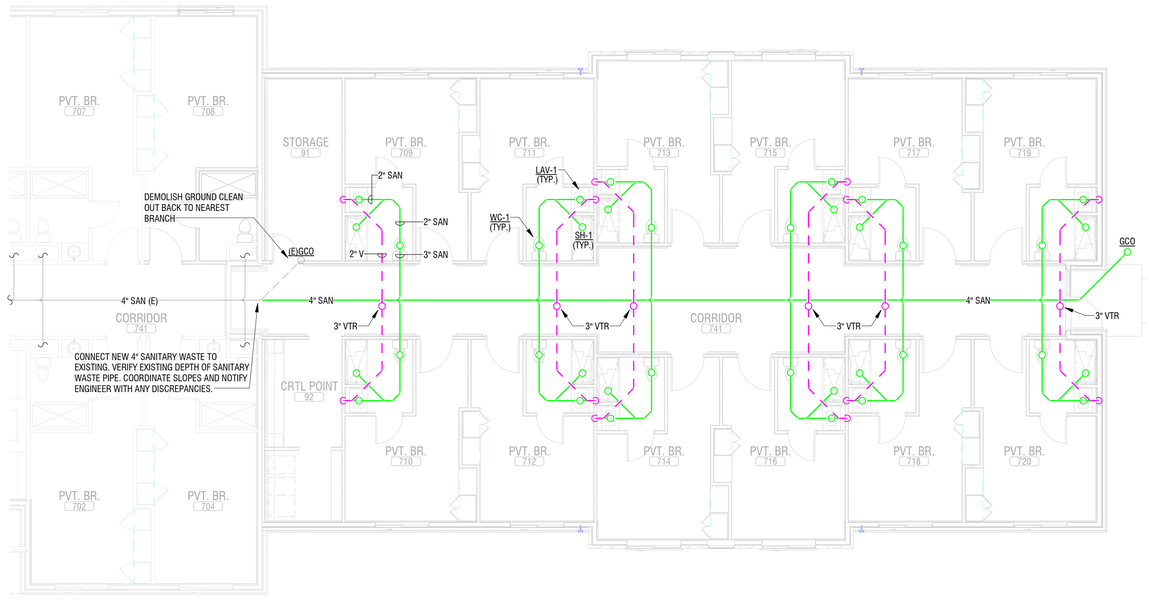
P202

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1 P203 LEVEL 1 SANITARY/WASTE PLAN - ADDITION A

1/8" = 1'-0"



2 P203 LEVEL 1 SANITARY/WASTE PLAN - ADDITION B

1/8" = 1'-0"

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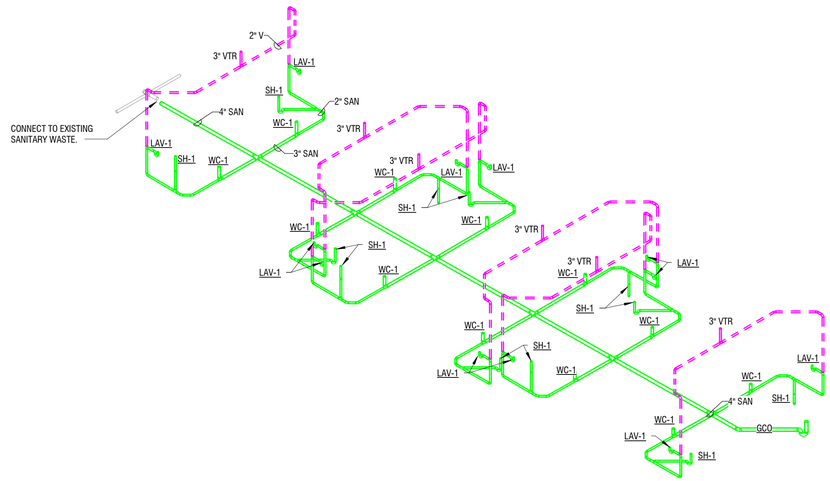
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sheet title:
LEVEL 1 SANITARY/WASTE PLAN - ADDITION A & B

sheet number :

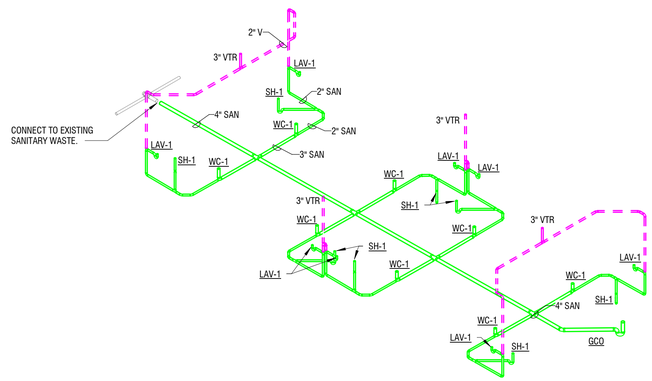
P203

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2 P401 SANITARY AND WASTE ISOMETRIC PLAN - ADDITION B

NOT TO SCALE



1 P401 SANITARY AND WASTE ISOMETRIC PLAN - ADDITION A

NOT TO SCALE

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sheet title:

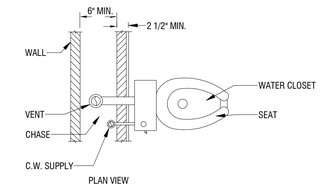
PLUMBING
ENLARGED/ISOMETRIC PLANS

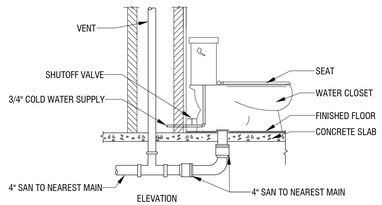
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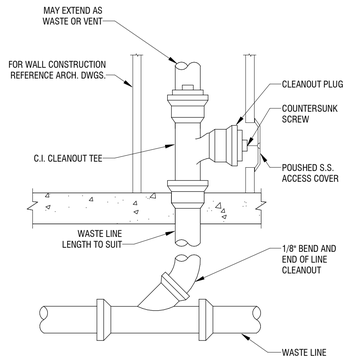
PLUMBING FIXTURE SCHEDULE

MARK	TRIM	COLD	HOT	SAN/W	VENT	SUPPORT	REMARKS	MANUFACTURER	MODEL	NOTES
BT-1	CHICAGO FAUCET SH-PB1-00-044	1/2"	1/2"	2"	2"	FLOOR SUPPORT	ADA	AMERICAN STANDARD	2963102	60" x30" FIBERGLASS TUB
LAV-1	AMERICAN STANDARD 2506821.002	1/2"	1/2"	2"	2"	COUNTERTOP	ADA	AMERICAN STANDARD	0643008.020	DROP-IN BATHROOM LAVATORY, 3 HOLE FAUCET
LAV-2	AMERICAN STANDARD 2506821.002	1/2"	1/2"	2"	2"	COUNTERTOP	ADA	AMERICAN STANDARD	0476028.020	DROP-IN BATHROOM LAVATORY, 3 HOLE FAUCET
LAV-3	AMERICAN STANDARD 7053.105	1/2"	1/2"	1-1/2"	1-1/2"	WALL CARRIER	ADA	TOTO	LT307	SINGLE HOLE, WHITE, VITREOUS CHINA, BATTERY POWERED FAUCET, PROVIDE MIXING VALVE SET TO 105°F
MS-1	DELTA 28T9	1/2"	1/2"	3"	2"	FLOOR SUPPORT	-	AMERICAN STANDARD	7741000.020	28" CAST IRON UTILITY SINK, SINGLE FAUCET
S-1	ELKAY LK800LGN08T6 1	1/2"	1/2"	2"	2"	CABINET	ADA	ELKAY	D23319	STAINLESS STEEL 33"x19"x6-7/16" DROP IN SINK, 3 HOLE: 8" GOOSENECK SPOUT AND 6" WRISTBLADE HANDLES
SH-1	CHICAGO FAUCET SH-PB1-00-044	1/2"	1/2"	2"	2"	FLOOR SUPPORT	ADA	STERLING	62060103-0	GRAB BARS, FOLDING SHOWER SEAT, CENTER DRAIN LOCATION
WB-1	-	1/2"	1/2"	2"	2"	WALL SUPPORT	-	OATEY	38529	-
WC-1	-	3/4"	-	3"	2"	FLOOR SUPPORT	ADA	AMERICAN STANDARD	231AA.104	1.28GPF, VITREOUS CHINA, WHITE, CLOSED FRONT SEAT ADA HEIGHT
WH-1	-	3/4"	-	-	-	WALL SUPPORT	-	WOODFORD	MODEL 67	-

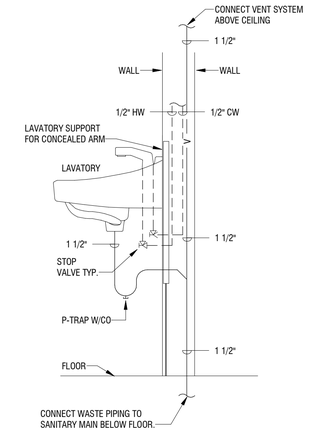




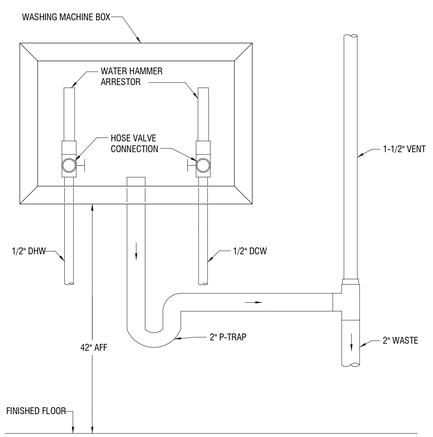
6 P501 PLB - WATER CLOSET - FLR MTD- TANK DETAIL
NOT TO SCALE



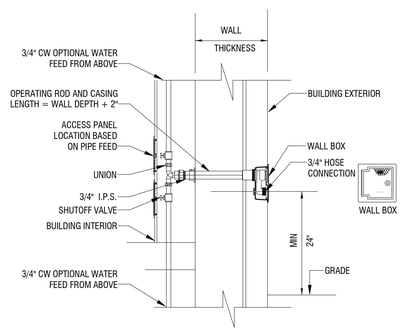
4 P501 PLB - WALL CLEANOUT
NOT TO SCALE



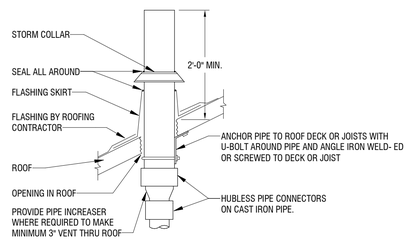
2 P501 PLB - LAV - W/ HW & CW SUPPLY DETAIL
NOT TO SCALE



7 P501 PLB - WASHING MACHINE BOX
NOT TO SCALE



5 P501 PLB - WALL HYDRANT NON-FREEZE
NOT TO SCALE



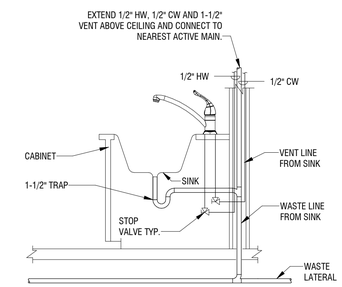
COMMENTS:

1. REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS.

2. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL, OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE.

3. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

3 P501 PLB - VENT - VENT THROUGH ROOF
NOT TO SCALE



1 P501 PLB - LAV - LAVATORY DETAIL
NOT TO SCALE

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architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 | www.STUDIO-WALES.com

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LICENSE NO. C-0430

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 050139 MICHAEL ANTHONY MORITZ

LABELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024

commission: NH-3138

sheet title:
PLUMBING DETAILS & SCHEDULES

sheet number :

P501

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DRAWING SYMBOLS

- CA — COMPRESSED AIR
- CD — CONDENSATE DRAIN
- GHR — GLYCOL HOT WATER RETURN
- GHS — GLYCOL HOT WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CHWS — CHILLED WATER SUPPLY
- C — CONDENSATE
- CTR — COOLING TOWER RETURN
- CTS — COOLING TOWER SUPPLY
- DIRECTION OF FLOW
- DN — DIRECTION OF PITCH
- RHL — REFRIGERANT H/L PRESSURE
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SV — STEAM VENT
- HPLR — HEAT PUMP LOOP RETURN
- HPLS — HEAT PUMP LOOP SUPPLY
- HPC — HIGH PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- MPC — MEDIUM PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM
- LPC — LOW PRESSURE CONDENSATE
- LPS — LOW PRESSURE STEAM
- HWR — HOT WATER RETURN
- HWS — HOT WATER SUPPLY
- MU — MAKE-UP WATER
- NG — NATURAL GAS
- PC — PUMPED CONDENSATE
- VAC — VACUUM
- IW — INDIRECT WASTE

- EXISTING DUCTWORK, PIPE, EQUIPMENT
- NEW DUCTWORK, PIPE, EQUIPMENT
- DUCTWORK, PIPE, EQUIPMENT TO BE REMOVED
- EQUIPMENT TO BE REMOVED

- PIPE TURNED UP
- PIPE TURNED DOWN
- BRANCH OFF TOP OF PIPE
- BRANCH OFF BOTTOM OF PIPE
- REDUCER
- PIPE BREAK

- BALL VALVE
- BUTTERFLY VALVE
- GATE VALVE
- CHECK VALVE
- BALANCE VALVE
- ANGLE VALVE
- PRESSURE REDUCING VALVE
- STEAM TRAP
- MOTOR OR SOLENOID CONTROL VALVE
- MOTOR OR SOLENOID CONTROL VALVE (3-WAY)
- TRIPLE DUTY VALVE
- RELIEF VALVE
- STRAINER
- UNION
- PRESSURE GAUGE
- PUMP

NOTE:
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/ OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

- REMOVE TO THIS POINT
- NEW CONNECTION TO EXISTING
- SECTION CALLOUT (A / M-2)
- DETAIL NUMBER (A / M-2)
- DEMOLITION KEYNOTE (1)
- KEYNOTE (1)
- RETURN AIR
- SUPPLY AIR
- DUCT (DIMENSIONS SHOWN IN DUCT. DIMENSIONS IN INCHES.) (18/8)
- DUCT (DIMENSIONS SHOWN BY LEADER. DIMENSIONS IN INCHES.) (18/8)
- FLEX DUCT
- DUCT SECTION - SUPPLY AIR
- DUCT SECTION - EXHAUST AIR
- DUCT SECTION - RETURN AIR
- VOLUME DAMPER
- 14" ROUND DUCT (14" Ø)
- 18" x 8" FLAT OVAL DUCT (18/8 ⇔)

- INSULATED DUCT (DIM. IS INTERNAL) (18/8)
- MITERED ELBOW W/ TURNING VANES
- WALL OR DUCT MOUNTED SUPPLY GRILLE
- WALL OR DUCT MOUNTED RETURN OR EXHAUST GRILLE
- FIRE DAMPER (FD / AD)
- ACCESS DOOR TO BE LOCATED ON MOST ACCESSIBLE SIDE OF DUCT
- SMOKE DAMPER (SD. / AD)
- ACCESS DOOR TO BE LOCATED ON MOST ACCESSIBLE SIDE OF DUCT
- COMBINATION FIRE / SMOKE DAMPER (F/S. / AD)
- ACCESS DOOR TO BE LOCATED ON MOST ACCESSIBLE SIDE OF DUCT
- MOTOR OPERATED DAMPER (M)
- THERMOSTAT (T)
- SENSOR (S)
- HUMIDISTAT (H)
- CARBON DIOXIDE SENSOR (CO2)
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN GRILLE
- REGISTER OR GRILLE - TOP NUMBER REPRESENTS TAG, SEE SCHEDULE; BOTTOM NUMBER REPRESENTS CFM. (8 / 750)
- DIFFUSER - LETTER REPRESENTS TAG, SEE SCHEDULE; NUMBER REPRESENTS CFM (A / 125)

GENERAL NOTES

DUCTWORK GENERAL NOTES

1 HVAC CONTRACTOR TO PROVIDE CRANE AND NECESSARY EQUIPMENT TO HOIST ROOF MOUNTED HVAC EQUIPMENT FROM SITE TO FINAL ROOF LOCATION. GENERAL CONTRACTOR TO PROVIDE ALL ROOF PENETRATIONS REQUIRED TO ACCOMMODATE HVAC EQUIPMENT OPENINGS AND SET CURBS. HVAC CONTRACTOR TO COORDINATE EXACT LOCATION OF PENETRATIONS WITH G.C. AND SHALL ASSIST WITH SETTING ALL HVAC EQUIPMENT ROOF CURBS. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY CAP OF ALL ROOF PENETRATIONS IN INTERIM FROM TIME PENETRATIONS ARE COMPLETE TO TIME EQUIPMENT IS SET ON ROOF CURBS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING ALL EQUIPMENT CURBS AND OTHER HVAC RELATED ROOF PENETRATIONS. HVAC CONTRACTOR SHALL REMOVE AND DISPOSE OF TEMPORARY CAP WHEN EQUIPMENT IS SET IN PLACE.

2 PROVIDE 45 DEGREE SHOE-TAP FITTING AND VOLUME DAMPER AT ALL BRANCH DUCT TAKE-OFFS (TOP, SIDE AND BOTTOM) FOR SUPPLY, RETURN AND EXHAUST AIR, UNLESS SHOWN OR NOTED OTHERWISE. VOLUME DAMPERS SHALL BE OMITTED FROM VAV INLET BRANCH DUCTWORK.

3 COORDINATE HVAC INSTALLATION WITH STRUCTURE, CEILING, LIGHTING, CONDUIT, HEATING AND DOMESTIC PIPING, STORM AND SANITARY DRAIN PIPING (ALL TRADES). PREPARE AND SUBMIT FULL COORDINATION DRAWINGS FOR APPROVAL BY ENGINEER PRIOR TO ORDERING MATERIALS AND/OR BEGINNING CONSTRUCTION.

4 INSULATE OR LINE DUCTWORK AS SPECIFIED IN THE MECHANICAL INSULATION AND METAL DUCTS SPECIFICATIONS OR NOTED ON DRAWINGS. NOTE THAT DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE NET CLEAR DIMENSIONS.

5 ALL 90 DEGREE RECTANGULAR ELBOWS AND DUCTWORK TEES SHALL BE HARD MITERED WITH FACTORY TURNING VANES. TURNING VANES SHALL BE OMITTED FROM AIR TRANSFER DUCT ELBOWS.

6 ALL DUCTWORK PASSING THROUGH NON-FIRE RATED WALLS TO BE SEALED AROUND PERIMETER (BOTH SIDES) WITH DRYWALL JOINT COMPOUND OR APPROVED EQUAL.

7 HVAC CONTRACTOR TO PROVIDE ALL WALL & ROOF PENETRATIONS 8"x8" OR SMALLER. ALL PENETRATIONS LARGER THAN 8"x8" IS THE RESPONSIBILITY OF THE G.C. COORDINATE ALL 8"x8" OR LARGER PENETRATION LOCATIONS WITH G.C. LINTELS (BY G.C.) REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE. PENETRATIONS AND LINTEL LOCATIONS TO BE COORDINATED WITH G.C. AND DOCUMENTED ON COORDINATION DRAWINGS.

8 BALANCING CONTRACTOR TO SET MINIMUM OUTSIDE AIR DAMPER POSITION TO MEET VENTILATION AIR QUANTITIES REQUIRED AS SHOWN ON PLANS OR LISTED IN EQUIPMENT SCHEDULES.

9 ALL SUPPORT OF EQUIPMENT, DUCTWORK AND ASSOCIATED DISTRIBUTION SERVICES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE BUILDING CODE. THE DISCIPLINE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE STRUCTURAL STEEL WHERE REQUIRED IN ORDER TO SUPPORT EQUIPMENT, DUCTWORK AND ASSOCIATED DISTRIBUTION SERVICES WHERE THE BUILDING STRUCTURE SPACING IS TOO GREAT TO ALLOW DIRECT SUPPORT. THE DISCIPLINE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMATION OF ALL SUPPORTS AND SHALL OBTAIN THE PROFESSIONAL SERVICE OF A LICENSED STRUCTURAL ENGINEER AND FURNISH SEALED DRAWINGS AND DETAILS ILLUSTRATING SUCH SUPPORTS AND COMPLIANCE METHODS.

10 THE ABOVE GENERAL NOTES APPLY TO ALL HVAC CONSTRUCTION DOCUMENT DRAWINGS.

NC ENERGY REQUIREMENTS:

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

METHOD OF COMPLIANCE

PRESCRIPTIVE ☒ ENERGY COST BUDGET ☐

THERMAL ZONE	4A
EXTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	22
SUMMER DRY BULB	94
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	72
SUMMER DRY BULB	75
RELATIVE HUMIDTY	50
BUILDING HEATING LOAD	211.4 MBH
BUILDING COOLING LOAD	239.0 MBH
MECHANICAL SPACE CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT	SEE SCHEDULES
HEATING EFFICIENCY	SEE SCHEDULES
COOLING EFFICIENCY	SEE SCHEDULES
HEAT OUTPUT OF UNIT	SEE SCHEDULES
COOLING OUTPUT OF UNIT	SEE SCHEDULES
BOILER	
TOTAL BOILER OUTPUT	N/A
CHILLER	
TOTAL CHILLER OUTPUT	N/A
LIST EQUIPMENT EFFICIENCIES	SEE SCHEDULES
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)	
MOTOR HORSEPOWER	SEE SCHEDULES
NUMBER OF PHASES	SEE SCHEDULES
MINIMUM EFFICIENCY	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
NUMBER OF POLES	SEE SCHEDULES

ADDITIONAL PRESCRIPTIVE COMPLIANCE REQUIREMENTS

- ☐ C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
- ☒ C406.3 REDUCED LIGHTING POWER DENSITY
- ☐ C406.4 ENHANCED DIGITAL LIGHTING CONTROLS
- ☐ C406.5 ON-SITE RENEWABLE ENERGY
- ☐ C406.6 DEDICATED OUTDOOR AIR SYSTEM
- ☐ C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

APPLICABLE CODES

- 2018 NORTH CAROLINA BUILDING CODE
- 2018 NORTH CAROLINA MECHANICAL CODE
- 2018 NORTH CAROLINA FIRE CODE
- 2018 NORTH CAROLINA PLUMBING CODE
- 2018 NORTH CAROLINA ENERGY CONSERVATION CODE
- ACCESSIBLE AND USABLE BUILDING AND FACILITIES-CABO/ANSI A117.1
- 2017 NATIONAL ELECTRIC CODE
- 2016 NFPA 13

SHEET LIST

M001	MECHANICAL LEGEND SHEET
M002	OVERALL LEVEL 1 DUCTWORK PLAN
MD101	DEMOLITION DUCTWORK PLANS - BLDG A & B
MD201	DEMOLITION DUCTWORK PLANS - BLDG C
M101	LEVEL 1 DUCTWORK PLAN - BLDG A & B
M102	LEVEL 1 DUCTWORK PLAN - BLDG C
M103	LEVEL 1 DUCTWORK PLAN - ADDITION A & B
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES

EQUIPMENT DESIGNATIONS

ACU	AIR CONDITIONING UNIT
AHU	AIR HANDLING UNIT
AD	ACCESS DOOR
AS	AIR SEPARATOR
BDD	BACK DRAFT DAMPER
B	BOILER
CA	AIR COMPRESSOR
CAV	CONSTANT AIR VOLUME BOX
CC	COOLING COIL
CFP	CHEMICAL FEED PUMP
CH	CHILLER
CHP	CHILLED WATER PUMP
CP	CONDENSATE PUMP
CRAC	COMPUTER ROOM UNIT
CRU	CONDENSATE RETURN UNIT
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
DHW	DOMESTIC WATER HEATER
EF	EXHAUST FAN
ET	EXPANSION TANK
FCU	FAN COIL UNIT
FP	FIRE PUMP
FT	FINNED TUBE
HC	HEATING COIL
HP	HEAT PUMP
HU	HUMIDIFIER
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
L	LOUVER
MAU	MAKE UP AIR UNITS
MD	MOTORIZED DAMPER
P	PUMP
PHC	PREHEAT COIL
PPU	PUMPING PACKAGED UNIT
PRG	GAS PRESSURE REGULATOR
PRV	PRESSURE REDUCING VALVE
R	REGISTER
RCP	RADIANT CEILING PANEL
RTU	ROOF TOP UNIT
UH	UNIT HEATER
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME BOX
VD	VOLUME DAMPER
VFD	VARIABLE SPEED DRIVE
WS	WATER SOFTENER

NOTE:
SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

ABBREVIATIONS

%	PERCENT
AC	ALTERNATING CURRENT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
AMB	AMBIENT
AMP	AMPERE (AMP,AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APPROX	APPOXIXAMTE (LY)
AVG	AVERAGE
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BO	BOTTOM OF
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BV	BALANCING VALVE
CAP	CAPACITY
CIP	CAST IRON PIPE
CLG	CEILING
CLR	CLEAR
CO	CLEANOUT or CARBON MONOXIDE
COL	COLUMN
CONN	CONNECTION
CONC	CONCRETE
CONT	CONTINUOUS
CU FT	CUBIC FEET
CV	VALVE FLOW COEFFICIENT
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DCV	DETECTOR CHECK VALVE
DCW	DOMESTIC COLD WATER
DEMO	DEMOLISH or DEMOLITION
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWH	DOMESTIC WATER HEATER
DWV	DRAIN, WASTE, & VENT
DWG	DRAWING
(E)	EXISTING
ENGR	ENGINEER
EQ	EQUAL
EST	ESTIMATED
ETR	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
°F	DEGREES FAHRENHEIT
FA	FREE AREA
FIN	FINISHED
FL	FLOOR
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT OR FEET
FUT	FUTURE
GA	GAGE OR GAUGE
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HR	HOUR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	FREQUENCY
ID	DIAMTER, INSIDE
IN	INCH
INSUL	INSULATION
INT	INTERIOR
IPS	IRON PIPE SIZE
INV	INVERT
KW	KILOWATT
KWH	KILOWATT HOUR
LBS	POUNDS
LF	LINEAR FEET
LG	LENGTH
LOC	LOCATION
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MATL	MATERIAL
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPT	NATIONAL PIPE TREAD
NRS	NON-RISING STEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	DIAMETER, OUTSIDE
OS&Y	OUTSIDE SCREW AND YOKE
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PH	PHASE (ELECTRICAL)
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GUAGE
PRV	PRESSURE REDUCING VALVE
RCVR	RECEIVER
RECIRC	RECIRCULATE
RHW	HOT WATER RE-CIRCULATION
RO	ROUGH OPENING
RPDA	REDUCED-PRESSURE DETECTOR ASSY.
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED-PRESSURE ZONE
SCH	STEAM CAPTURE HOOD
SPEC	SPECIFICATION
SPLY	SUPPLY
SQ	SQUARE
SQ FT	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH (INCHES)
STD	STANDARD
SUCT	SUCTION
T'STAT	THERMOSTAT
TBD	TO BE DETERMINED
TC	TEMPERATURE CONTROL CONTRACTOR
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TO	TOP OF
TYP	TYPICAL
V	VOLT
VAC	VACUUM
VAR	VARIABLE
VEL	VELOCITY
VIF	VERIFY IN FIELD
VOL	VOLUME
W	WATT
W/	WITH
W/O	WITH OUT
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTER
WM	WATER METER
WPD	WATER PRESSURE DROP
WT	WEIGHT
WWP	WORKING WATER PRESSURE

NOTE:
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3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

CORPORATE ENGINEERING LICENSE NO. C-0430

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 050139 MICHAEL ANTHONY MORTENSEN

LABELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

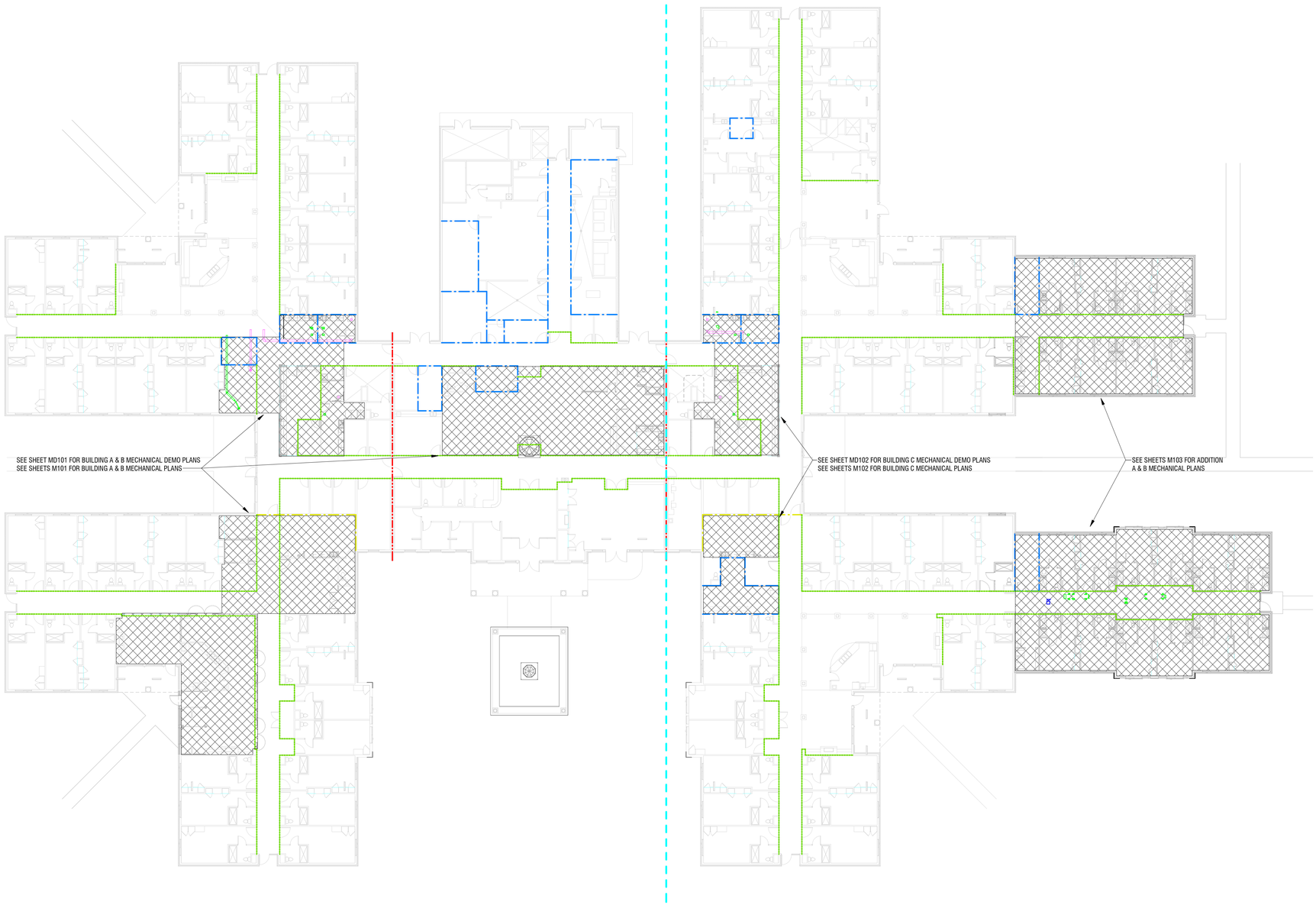
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MECHANICAL LEGEND SHEET

sheet number :
M001

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1 / M002 LEVEL 1 DUCTWORK PLAN - OVERALL
1" = 20'-0"

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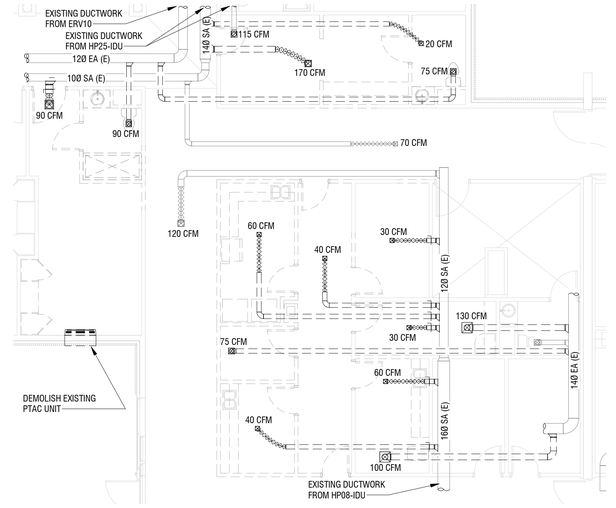
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OVERALL LEVEL 1 DUCTWORK PLAN

sheet number :

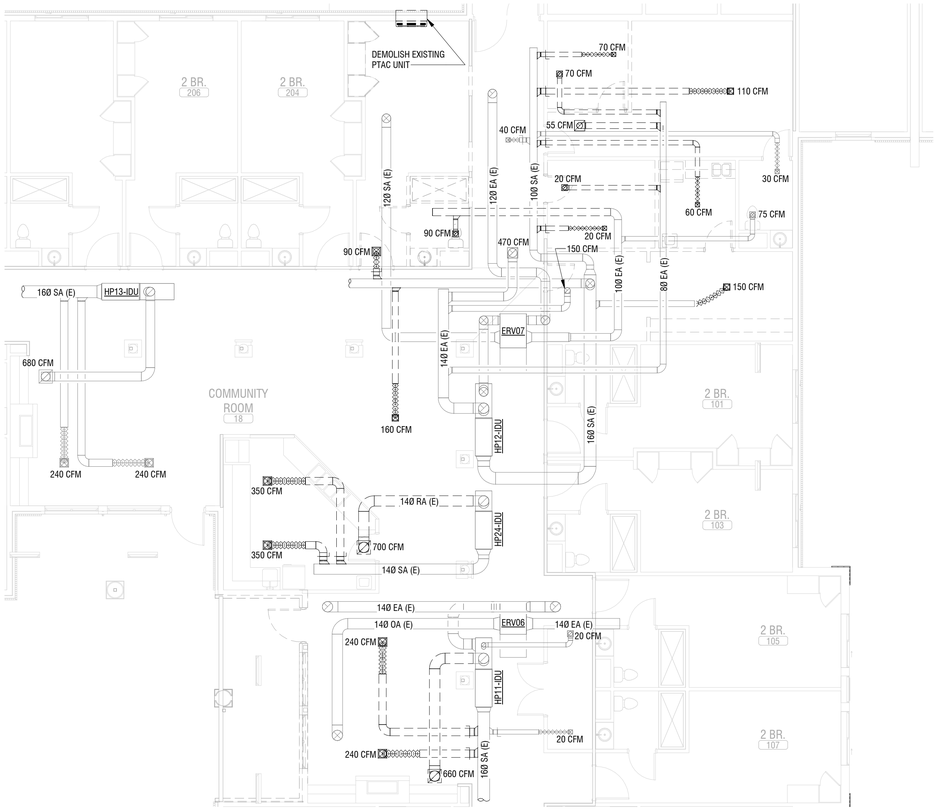
M002

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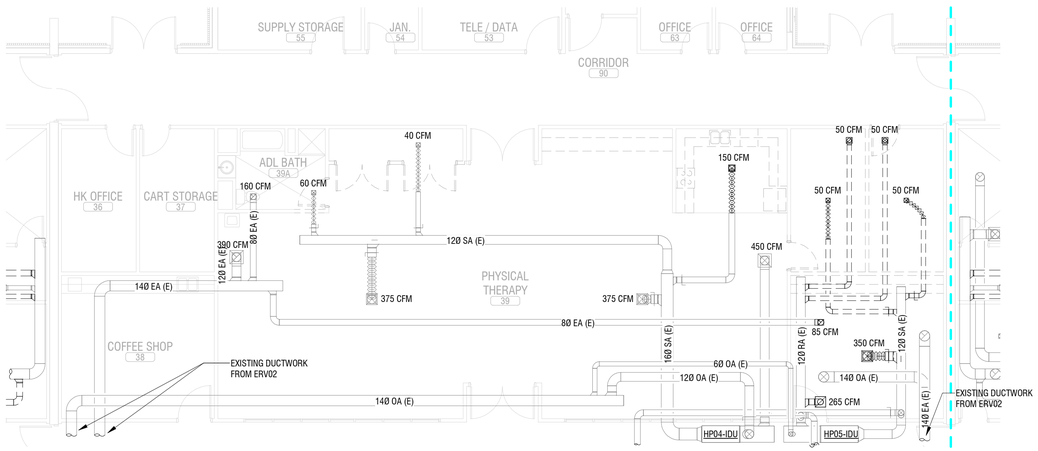
2 MD101 LEVEL 1 DEMOLITION DUCTWORK PLAN - BLDG A (NURSE STATION)

1/8" = 1'-0"



1 MD101 LEVEL 1 DEMOLITION DUCTWORK PLAN - BLDG A (COMMUNITY ROOM)

1/8" = 1'-0"



3 MD101 LEVEL 1 DEMOLITION DUCTWORK PLAN - BLDG B

1/8" = 1'-0"

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CORPORATE ENGINEERING
LICENSE NO. C-0430

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 050139 MICHAEL ANTHONY MORTENSEN

LABELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/06/2024

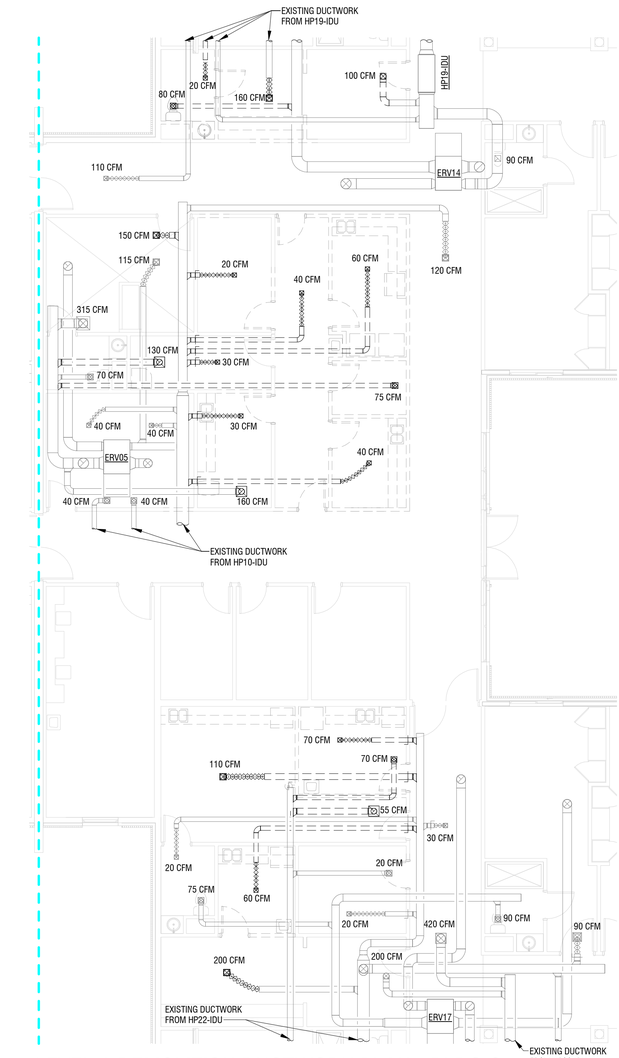
commission: NH-3138

sheet title:
DEMOLITION DUCTWORK PLANS - BLDG A & B

sheet number :

MD101

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1 / MD201 LEVEL 1 DEMOLITION DUCTWORK PLAN - BLDG C

1/8" = 1'-0"

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01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/06/2024

commission: NH-3138

sheet title:
DEMOLITION DUCTWORK PLANS - BLDG C

sheet number :

MD201

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MECHANICAL NOTES:

1. ALL CEILINGS ARE FIRE RATED. PROVIDE SUITABLE RADIATION DAMPERS AT ALL DUCT, DIFFUSER OR GRILLE LOCATIONS.
2. ALL PIPING PENETRATIONS THRU RATED PARTITIONS SHALL BE PER PENETRATION DETAILS. REFER TO ARCH.
3. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED 10'-0" MIN. FROM ANY PLUMBING VENT TERMINAL.
4. ALL ROOF MOUNTED EQUIPMENT, INTAKES, CAPS, ETC. SHALL BE LOCATED ON THE REAR FACE OF THE ROOF.
5. PAINT ALL ROOF VENTILATORS IN COLOR TO MATCH ROOF.
6. BRANCH DUCT CONNECTION TO DIFFUSER OR GRILLE MAY HAVE 8'-0" LONG MAX. FLEX DUCT CONNECTOR.
7. ALL BRANCH DUCTS SHALL HAVE BALANCING DAMPERS.
8. BALANCE ALL FAN AND AIR CONDITIONING SYSTEMS TO CFM'S INDICATED ON PLANS.
9. SEE SPECS FOR PROCEDURE ON APPROVAL OF EQUIVALENT MATERIALS AND EQUIPMENT.
10. EQUIPMENT AND DUCTWORK LOCATIONS IN ATTIC ARE APPROXIMATE BASED ON ASSUMED ROOF FRAMING ARRANGEMENTS. ADJUST AND COORDINATE WITH ACTUAL FIELD CONDITIONS AS REQUIRED TO PROVIDE CLEARANCES FOR CODE AND MAINTENANCE.
11. REFRIGERANT PIPING RUNS SHALL BE SIZED AND ARRANGED PER MFR'S RECOMMENDATIONS. PROVIDE ACCUMULATOR, DRYER, TXP VALVE AND OTHER ACCESSORIES AS RECOMMENDED.
12. COORDINATE REGISTER DIFFUSER LOCATIONS WITH LIGHTS, SMOKE DETECTORS ETC. ADJUST LOCATIONS AS REQUIRED.
13. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION THAT ALL EQUIPMENT INSTALLED IN ATTIC CAN BE REMOVED THROUGH ACCESS OPENINGS PROVIDED IN ACCORDANCE WITH CODE.
14. BUILDING ADDITION INCLUDES FULL COVERAGE FIRE ALARM. DUCT SMOKE DETECTORS ARE NOT REQUIRED.
15. DAMPERS EQUIPPED WITH FUSIBLE LINKS, INTERNAL OPERATORS, OR BOTH SHALL BE PROVIDED WITH AN ACCESS DOOR THAT IS NOT LESS THAN 12-INCHES SQUARE OR PROVIDED WITH A REMOVABLE DUCT SECTION. /1

AIR BALANCE DESIGNATION - BLDG A & B

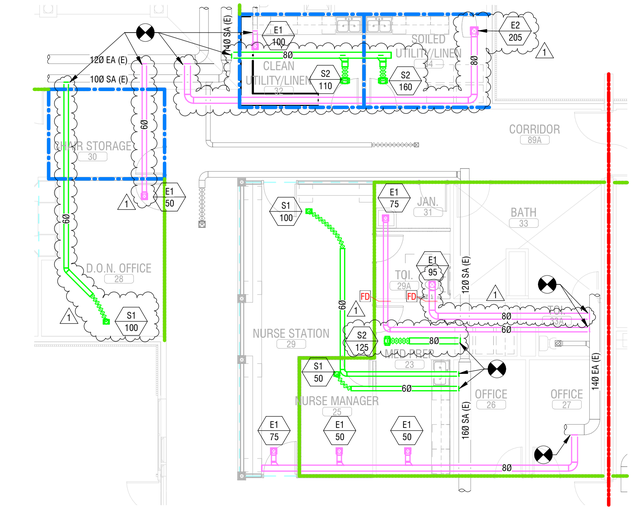
NOTES:
Balance CFM = Supply CFM - Return/Exhaust CFM
Pressure Options: Positive, Negative or Neutral
ACH = (Supply or Exhaust CFM * 60) / (Area * Roorn Height) ; Roorn Height = 9'-0"
Outdoor Air Quantities are flow-based and derived from ERV supply rates. ERVs provide 100% Outdoor Air.

Room Name	Areas (SF)	Supply (CFM)	Return/Exhaust (CFM)	Balance (CFM)	Pressure	Air Changes per Hour (ACH)
17 STAFF LOUNGE	416 SF	180	180	0	NEUTRAL	2.88
19 STAFF TRAINING	426 SF	150	150	0	NEUTRAL	2.35
20 OFFICE	126 SF	100	100	0	NEUTRAL	5.29
21 OFFICE	93 SF	100	100	0	NEUTRAL	7.17
23 COMMUNITY ROOM	1330 SF	1180	1180	0	NEUTRAL	5.91
24 OFFICE	99 SF	100	100	0	NEUTRAL	6.73 /1
23 MED PREP	203 SF	125	50	75	POSITIVE	4.11
25 NURSE MANAGER	102 SF	50	50	0	NEUTRAL	3.27
29 NURSE STATION	357 SF	100	75	25 /1	POSITIVE	1.87 /1
29A TOI.	62 SF	0	95	-95	NEGATIVE	10.22
31 JAN.	41 SF	0	75	-75	NEGATIVE /1	12.2
32 CLEAN UTILITY/LINEN	135 SF	110	100	10	POSITIVE	5.4
34 SOILED UTILITY/LINEN	135 SF	160	205	-45	NEGATIVE	10.12
40 OCC. THERAPY	350 SF	250	320	0	NEUTRAL	4.76
41 TOI.	81 SF	0	125	-125	NEGATIVE	10.29 /1
42 OCC. KITCHEN	105 SF	200	0	200	POSITIVE	12.7

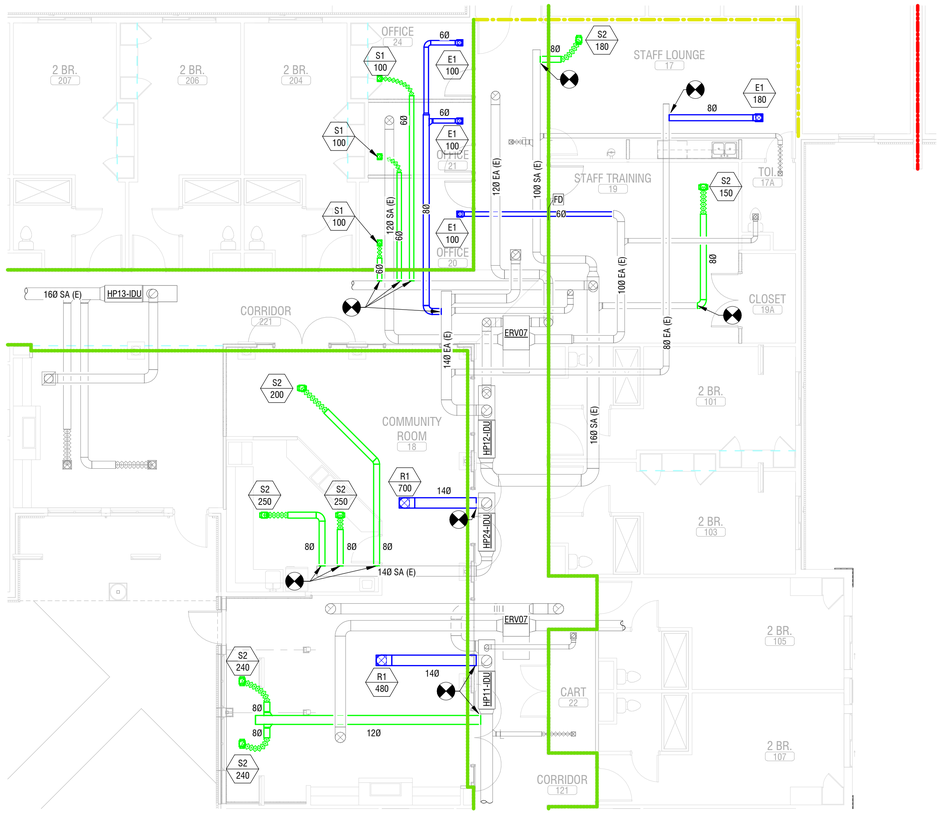
/1 ERVS PROVIDE 100% OUTSIDE AIR DIRECTLY TO RETURN AIR PLENUMS OF EXISTING AIR HANDLERS. RATIO OF OUTSIDE AIR TO SUPPLY AIR SHOULD BE CONSIDERED TO BE 60%.

OCC. THERAPY 40 AND OCC. KITCHEN 42 ARE OPEN, CONTINUOUSLY CONNECTED SPACES EVALUATED AS A SINGLE AIR VOLUME.

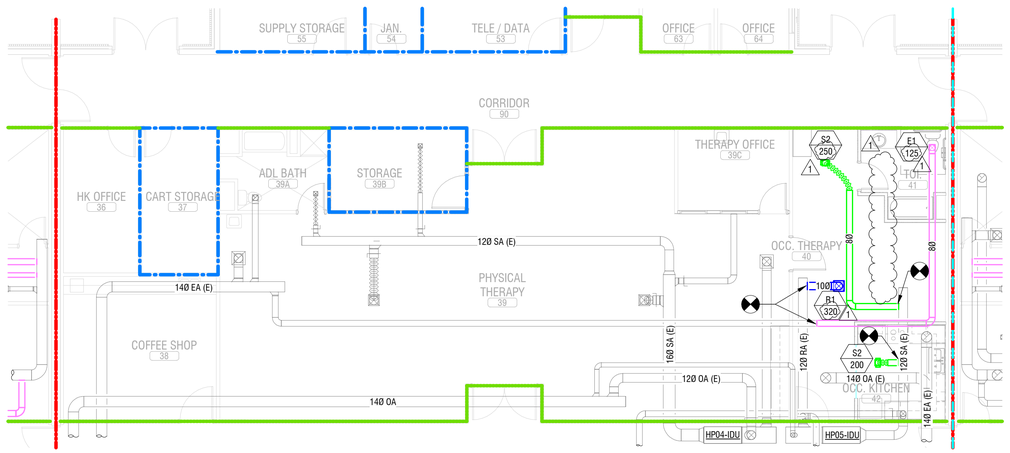
40 OCC. THERAPY + 42 OCC. KITCHEN
A: 455SF; H: 9'-0"
SUPPLY: 455CFM (6.59 ACH)



2 LEVEL 1 DUCTWORK PLAN - BLDG A (NURSE STATION)
M101 1/8" = 1'-0"



1 LEVEL 1 DUCTWORK PLAN - BLDG A (COMMUNITY ROOM)
M101 1/8" = 1'-0"



3 LEVEL 1 DUCTWORK PLAN - BLDG B
M101 1/8" = 1'-0"

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CORPORATE ENGINEERING LICENSE NO. C-0430

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 050139 MICHAEL ANTHONY MORTIER

ABELLA ASSOCIATES P.S.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024
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sheet title:
LEVEL 1 DUCTWORK PLAN - BLDG A & B

sheet number :

M101

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MECHANICAL NOTES:

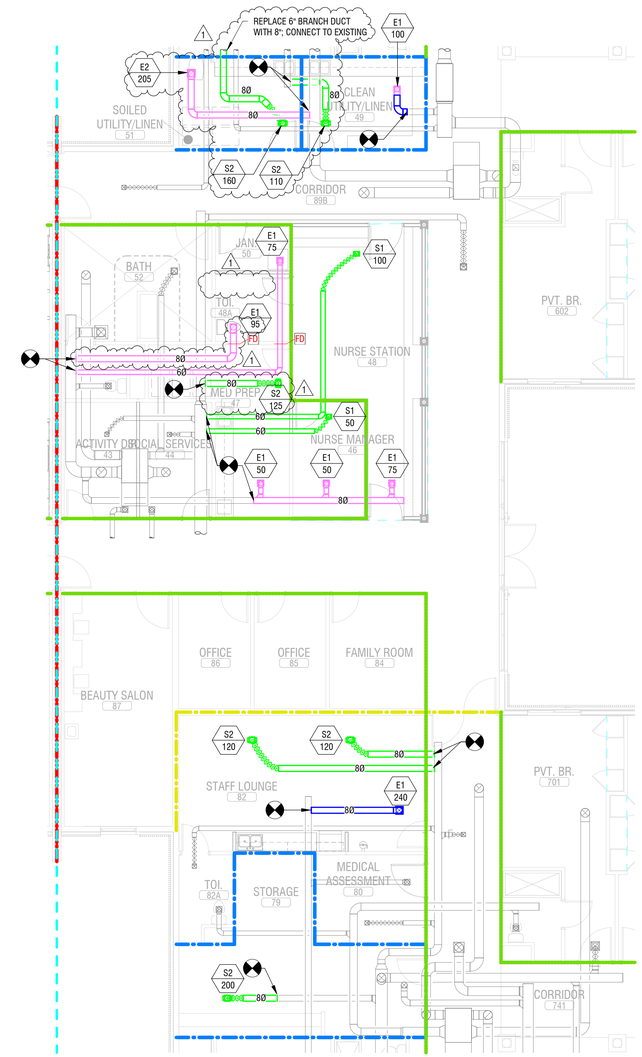
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AIR BALANCE DESIGNATION - BLDG C

NOTES:
Balance CFM = Supply CFM - Return/Exhaust CFM
Pressure Options: Positive, Negative or Neutral
ACH = (Supply or Exhaust CFM * 60) / (Area * Room Height) ; Room Height = 9'-0"
Outdoor Air Quantities are flow-based and derived from ERV supply rates. ERVs provide 100% Outdoor Air.

Room Name	Area (SF)	Supply (CFM)	Return/Exhaust (CFM)	Balance (CFM)	Pressure	Air Changes per Hour (ACH)
46 NURSE MANAGER	102 SF	50	50	0	NEUTRAL	3.27
47 MED PREP	203 SF	125	50	75	POSITIVE	4.11 (1)
48 NURSE STATION	359 SF	100	75	25	POSITIVE (1)	1.86
48A TOI.	62 SF	0	95	-95	NEGATIVE	10.22 (1)
49 CLEAN UTILITY/LINEN	136 SF	110	100	10	POSITIVE (1)	5.4
50 JAN.	41 SF	0	75	-75	NEGATIVE	12.2
51 SOILED UTILITY/LINEN	135 SF	160	205	-45	NEGATIVE	5.4 (1)
79 STORAGE	362 SF	200	200	0	NEUTRAL	3.68
82 STAFF LOUNGE	416 SF	240	240	0	NEUTRAL	3.85

(1) ERVS PROVIDE 100% OUTSIDE AIR DIRECTLY TO RETURN AIR PLENUMS OF EXISTING AIR HANDLERS. RATIO OF OUTSIDE AIR TO SUPPLY AIR SHOULD BE CONSIDERED TO BE 60%.



1 M102 LEVEL 1 DUCTWORK PLAN - BLDG C
1/8" = 1'-0"

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CORPORATE ENGINEERING LICENSE NO. C-0430

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01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024
commission: NH-3138

sheet title:
LEVEL 1 DUCTWORK PLAN - BLDG C

sheet number :

M102

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DESIGN BRIEF - VENTILATION CALCULATIONS - ADDITIONS A & B

NOTES:
Occupancy (Pz) = [Occupant Density / 1000] * Area (Az)
Standard Classroom (770 to 1,000 sq.ft.) = 30 people max.
Vbz = RpPz + RaAz
Voz = Vbz / Ez

Zone	Room Number	Room Name	Classification	Area (Az) (sq.ft.)	Occupant Density (#/1000 sq.ft.)	OA/Person (Rp)	Outdoor Air Rate (Ra)	Exhaust Rate	Config. (Ez)	Occupancy (Pz) Code	Occupancy (Pz) Adjusted	Breathing Zone Rate (Vbz) (cfm)	Zone Outdoor Airflow Rate (Voz) (cfm)	Space Exhaust Rate (CFM)
IDU-32/ERV-20/PTAC-1	81	STORAGE	STORAGE	182	0	0	0.12	0	0.80	0	0	22	27	0
IDU-32/ERV-20/PTAC-1	83	CONTROL POINT	OFFICE	107	5	5	0.06	0	0.80	1	1	11	14	0
IDU-32/ERV-20/PTAC-1	609	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	610	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	611	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	612	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	613	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	614	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	615	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	616	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-32/ERV-20/PTAC-1	620	CORRIDOR	CORRIDOR 1	520	0	0	0.06	0	0.80	0	0	31	39	0
				2409								200	251	720
IDU-33/ERV-21/PTAC-1	91	STORAGE	STORAGE	182	0	0	0.12	0	0.80	0	0	22	27	0
IDU-33/ERV-21/PTAC-1	91	CONTROL POINT	OFFICE	107	5	5	0.06	0	0.80	1	1	11	14	0
IDU-33/ERV-21/PTAC-1	709	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	710	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	711	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	712	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	713	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	714	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	715	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	716	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	717	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	718	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	719	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	720	PRIVATE BEDROOM	DWELLING	200	10	5	0.06	0	0.80	2	1	17	21	90
IDU-33/ERV-21/PTAC-1	741	CORRIDOR	CORRIDOR 1	819	0	0	0.06	0	0.80	0	0	49	61	0
				3508								286	358	1080
				5917								487	609	1800

AIR BALANCE DESIGNATION - ADDITIONS A & B

NOTES:
Balance CFM = Supply CFM - Return/Exhaust CFM
Pressure Options: Positive, Negative or Neutral
ACH = (Supply or Exhaust CFM * 60) / (Area * Room Height) ; Room Height = 9'-0"
Outdoor Air Quantities are flow-based and derived from ERV supply rates. ERVs provide 100% Outdoor Air.

Room Name	Area (SF)	Supply (CFM)	Return/Exhaust (CFM)	Balance (CFM)	Pressure	Air Changes per Hour (ACH)
81 STORAGE	182 SF	80	0	80	POSITIVE	2.93
83 CONTROL POINT	107 SF	200	0	200	POSITIVE	12.46
609 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
610 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
611 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
612 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
613 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
614 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
615 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
616 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
620 CORRIDOR	520 SF 1	200	480	-280	NEGATIVE	2.56 1
91 STORAGE	182 SF	100	0	100	POSITIVE	3.66
92 CONTROL POINT	107 SF	200 1	0	120 1	POSITIVE	12.46 1
709 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
710 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
711 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
712 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
713 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
714 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
715 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
716 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
717 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
718 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
719 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
720 PRIVATE BEDROOM	200 SF	90	90	0	NEUTRAL	3
741 CORRIDOR	819 SF	400	720	-320	NEGATIVE	3.26

ERV-20 PROVIDE 720 SUPPLY AIR; 100% OUTSIDE AIR
IDU-32 PROVIDE 1200 SUPPLY AIR, 480 RETURN AIR; 720 OUTSIDE AIR
ERV-21 PROVIDE 1080 SUPPLY AIR; 100% OUTSIDE AIR
IDU-33 PROVIDE 1800 SUPPLY AIR, 720 RETURN AIR; 1080 OUTSIDE AIR
- 60% OF ALL SUPPLY AIR SHOULD BE CONSIDERED TO BE OUTSIDE AIR

RESIDENT ROOM OUTDOOR AIR IS PROVIDED VIA THE CENTRAL ERV/IDU SYSTEM. PTAC OUTDOOR AIR CAPABILITY IS SUPPLEMENTAL AND NOT RELIED UPON FOR MINIMUM VENTILATION.

CORRIDOR 620/741 AND CONTROL POINT 83/92 ARE OPEN, CONTINUOUSLY CONNECTED SPACES EVALUATED AS A SINGLE AIR VOLUME.

620 CORRIDOR + 83 CONTROL POINT
A: 627SF; H: 9'-0"
SUPPLY: 400CFM (4.25 ACH)

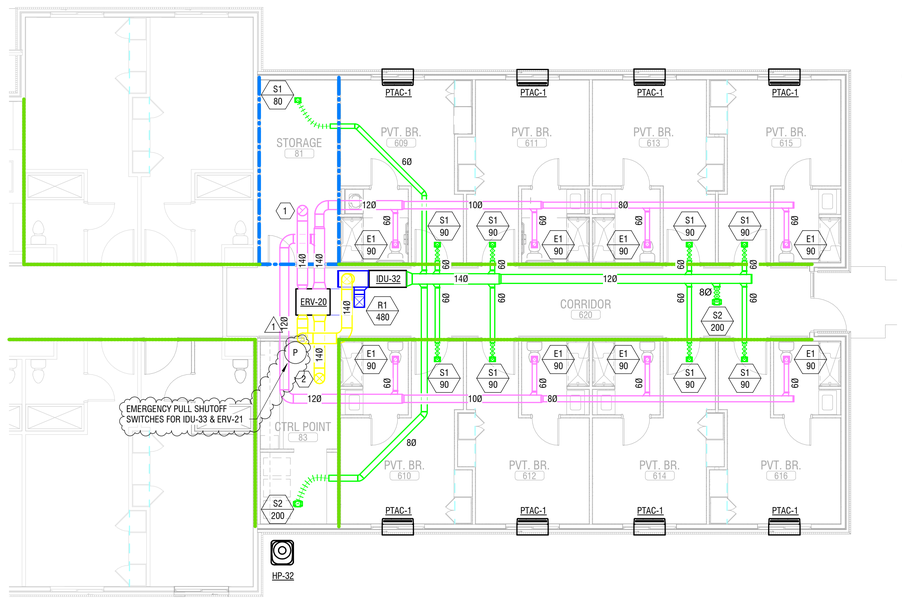
741 CORRIDOR + 92 CONTROL POINT
A: 926SF; H: 9'-0"
SUPPLY: 600CFM (4.32 ACH)

PRIVATE BEDROOMS
A: 200SF; H: 9'-0"
SUPPLY: 90CFM (3 ACH)
OUTSIDE AIR: 54CFM (1.8 ACH)
PTAC: 30CFM OA (1 ACH)
OUTSIDE AIR PROVIDED:
(54+30)CFM = 84CFM OA (2.8 ACH)

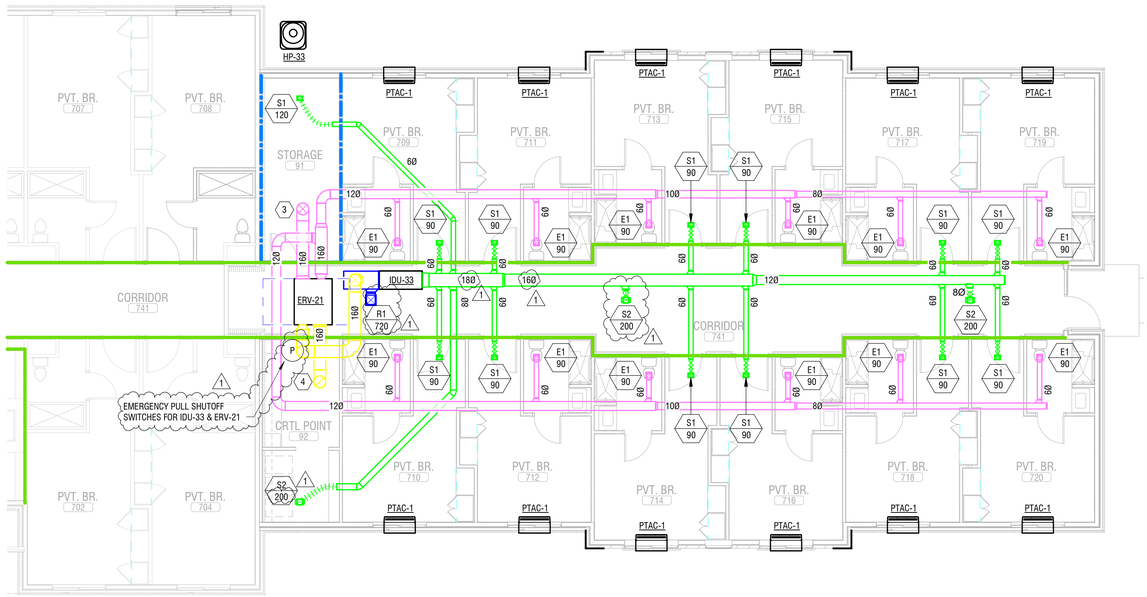
PRIVATE BATHROOMS
A: 60SF; H: 9'-0"
EXHAUST: 90 CFM (10 ACH)

MECHANICAL NOTES:

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3. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED 10'-0" MIN. FROM ANY PLUMBING VENT TERMINAL.
4. ALL ROOF MOUNTED EQUIPMENT, INTAKES, CAPS, ETC. SHALL BE LOCATED ON THE REAR FACE OF THE ROOF.
5. PAINT ALL ROOF VENTILATORS IN COLOR TO MATCH ROOF.
6. BRANCH DUCT CONNECTION TO DIFFUSER OR GRILLE MAY HAVE 8'-0" LONG MAX. FLEX DUCT CONNECTOR.
7. ALL BRANCH DUCTS SHALL HAVE BALANCING DAMPERS.
8. BALANCE ALL FAN AND AIR CONDITIONING SYSTEMS TO CFM'S INDICATED ON PLANS.
9. SEE SPECS FOR PROCEDURE ON APPROVAL OF EQUIVALENT MATERIALS AND EQUIPMENT.
10. EQUIPMENT AND DUCTWORK LOCATIONS IN ATTIC ARE APPROXIMATE BASED ON ASSUMED ROOF FRAMING ARRANGEMENTS. ADJUST AND COORDINATE WITH ACTUAL FIELD CONDITIONS AS REQUIRED TO PROVIDE CLEARANCES FOR CODE AND MAINTENANCE.
11. REFRIGERANT PIPING RUNS SHALL BE SIZED AND ARRANGED PER MFR'S RECOMMENDATIONS. PROVIDE ACCUMULATOR, DRYER, TXP VALVE AND OTHER ACCESSORIES AS RECOMMENDED.
12. COORDINATE REGISTER DIFFUSER LOCATIONS WITH LIGHTS, SMOKE DETECTORS ETC. ADJUST LOCATIONS AS REQUIRED.
13. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION THAT ALL EQUIPMENT INSTALLED IN ATTIC CAN BE REMOVED THROUGH ACCESS OPENINGS PROVIDED IN ACCORDANCE WITH CODE.
14. BUILDING ADDITION INCLUDES FULL COVERAGE FIRE ALARM. DUCT SMOKE DETECTORS ARE NOT REQUIRED.
15. DAMPERS EQUIPPED WITH FUSIBLE LINKS, INTERNAL OPERATORS, OR BOTH SHALL BE PROVIDED WITH AN ACCESS DOOR THAT IS NOT LESS THAN 12-INCHES SQUARE OR PROVIDED WITH A REMOVABLE DUCT SECTION.



1 M103 LEVEL 1 DUCTWORK PLAN - ADDITION A
1/8" = 1'-0"



2 M103 LEVEL 1 DUCTWORK PLAN - ADDITION B
1/8" = 1'-0"

KEY NOTES:

1. ROUTE 14" EXHAUST DUCT THROUGH ROOF AND TERMINATE W/ HOODED ROOF CAP. ROOF CAP TO BE GREENHECK MODEL GRSR-14, OR APPROVED EQUAL. PROVIDE W/ BIRD SCREEN & BACKDRAFT DAMPER. COORDINATE FINISH AND ROOF PITCH W/ ARCHITECT. FIELD COORDINATE EXACT LOCATION. MAINTAIN 10'-0" MIN. AWAY FROM O.A. INTAKES. MAINTAIN 3'-0" MIN. AWAY FROM BUILDING OPENINGS.
2. ROUTE 14" O.A. DUCT THROUGH ROOF AND TERMINATE W/ APPROVED ROOF CAP. ROOF CAP TO BE GREENHECK MODEL GRSI-14 OR APPROVED EQUAL. PROVIDE W/ INSECT SCREEN & BACKDRAFT DAMPER. COORDINATE FINISH AND ROOF PITCH W/ ARCHITECT. FIELD COORDINATE EXACT LOCATION. MAINTAIN 10'-0" FROM EXHAUST OUTLETS & PLUMBING VENTS.
3. ROUTE 16" EXHAUST DUCT THROUGH ROOF AND TERMINATE W/ HOODED ROOF CAP. ROOF CAP TO BE GREENHECK MODEL GRSR-16, OR APPROVED EQUAL. PROVIDE W/ BIRD SCREEN & BACKDRAFT DAMPER. COORDINATE FINISH AND ROOF PITCH W/ ARCHITECT. FIELD COORDINATE EXACT LOCATION. MAINTAIN 10'-0" MIN. AWAY FROM O.A. INTAKES. MAINTAIN 3'-0" MIN. AWAY FROM BUILDING OPENINGS.
4. ROUTE 16" O.A. DUCT THROUGH ROOF AND TERMINATE W/ APPROVED ROOF CAP. ROOF CAP TO BE GREENHECK MODEL GRSI-16 OR APPROVED EQUAL. PROVIDE W/ INSECT SCREEN & BACKDRAFT DAMPER. COORDINATE FINISH AND ROOF PITCH W/ ARCHITECT. FIELD COORDINATE EXACT LOCATION. MAINTAIN 10'-0" FROM EXHAUST OUTLETS & PLUMBING VENTS.

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p. 4140704.6764 | www.STUDIO-WALES.com

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01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

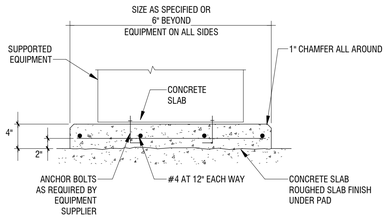
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1	DHSR	1/30/2026

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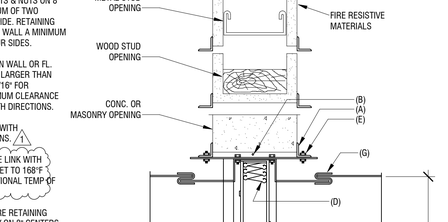
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LEVEL 1 DUCTWORK PLAN - ADDITION A & B

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M103

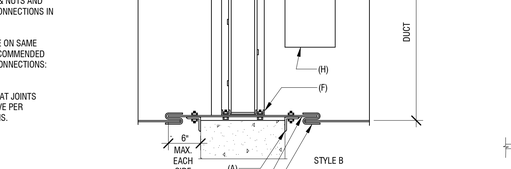
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7 M501 **S - HOUSEKEEPING PAD DETAIL**
NOT TO SCALE

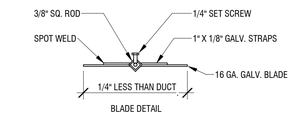


NON-DUCTED RETURN

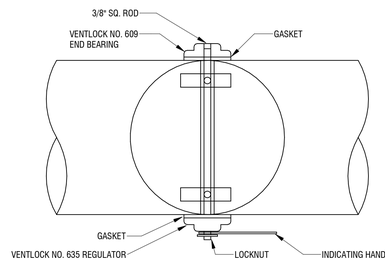


DUCTED RETURN OR EXHAUST

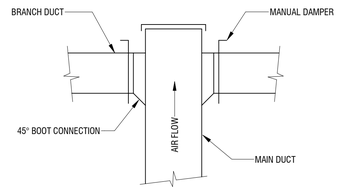
5 M501 **DUCT - FD - FIRE DAMPER DETAILS AT CEILING PENETRATION**
NOT TO SCALE



BLADE DETAIL



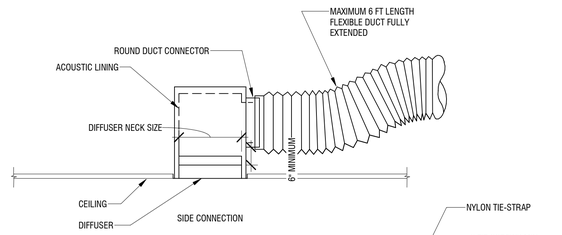
3 M501 **DUCT - ROUND VOLUME DAMPER DETAIL**
NOT TO SCALE



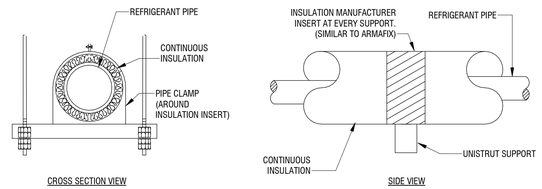
NOTE:

AIR FLOW FOR SUPPLY SYSTEM IS SHOWN. AIR FLOW FOR EXHAUST SYSTEM IS OPPOSITE.

2 M501 **DUCT - DUCT TEE BRANCH TAKE-OFF DETAIL**
NOT TO SCALE



1 M501 **DUCT - AT - DIFFUSER CONNECTION DETAIL**
NOT TO SCALE



CROSS SECTION VIEW

SIDE VIEW

NOTES:

1. PROVIDE INSULATION CONTINUOUS THROUGH SUPPORT.
2. PROVIDE MANUFACTURERS INSULATION INSERT AT EACH PIPE CLAMP.
3. PROVIDE CLAMP AROUND INSULATION INSERT.
4. INSTALL INSULATION/INSERT PER MANUFACTURERS RECOMMENDATION.
5. PROVIDE PVC JACKET AROUND PIPE IN ALL EXPOSED LOCATIONS AND EXTERIOR INSTALLATION.

6 M501 **PIPE - REFRIGERANT PIPING SUPPORT DETAIL**
NOT TO SCALE

(A) RETAINING ANGLE: SHALL BE MINIMUM OF 1-1/2"x1-1/2"x14 GA. FASTEN TO SLEEVE ONLY WITH 1/4" DIA. BOLTS & NUTS ON 8" CENTERS & WITH MINIMUM OF TWO CONNECTIONS IN EACH SIDE. RETAINING ANGLES SHALL OVERLAP WALL A MINIMUM OF ONE INCH ON ALL FOUR SIDES.

(B) CLEARANCE: OPENINGS IN WALL OR FL. SHALL BE 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS (3/16" FOR STAINLESS STEEL) MINIMUM CLEARANCE OF 1/4" REQUIRED IN BOTH DIRECTIONS.

(C) STEEL SLEEVE: 14 GAGE WITH BREAKAWAY CONNECTIONS. 1

(D) FIRE DAMPER W/ FUSIBLE LINK WITH TEMPERATURE RATING SET TO 168°F (ASSUMING MAX OPERATIONAL TEMP OF 115°F). UL BLADE TYPE.

(E) BOLTS AND NUTS: SECURE RETAINING ANGLES TO SLEEVE ONLY ON 8" CENTERS WITH 1/4" DIAMETER. BOTS & NUTS AND WITH A MINIMUM OF TWO CONNECTIONS IN EACH SIDE.

(F) SECURE DAMPER TO SLEEVE ON SAME SPACING AS ANGLES AS RECOMMENDED BY SMACNA. BREAKAWAY CONNECTIONS: PROVIDE.

(G) BREAKAWAY CONNECTIONS AT JOINTS BETWEEN DUCTS AND SLEEVE PER SMACNA RECOMMENDATIONS.

(H) ACCESS DOOR

NOTE:
FOR REFERENCE ONLY- USE MANUFACTURER PROVIDED UL LISTED INSULATION REQUIREMENTS.

4 M501 **DUCT - FD - FIRE DAMPER DETAIL**
NOT TO SCALE

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LABELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

01.30.2026

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SPLIT SYSTEM HEAT PUMP SCHEDULE

INDOOR UNIT TAG	OUTDOOR UNIT TAG	LOCATION	COOLING PERFORMANCE			HEATING PERFORMANCE		INDOOR UNIT						OUTDOOR UNIT					MANUFACTURER	MODEL	NOTES
			CAPACITY (MBH)	EER	REFRIG. TYPE	CAPACITY @ 47°F (MBH)	CAPACITY @ 17°F (MBH)	DRY CFM	WEIGHT (lb)	POWER	MAX FUSE	MCA	FAN FLA	WEIGHT (lb)	POWER	MAX FUSE	MCA	FAN FLA			
IDU-32	HP-32	CORRIDOR 620	31.7	11.7	R-454B	32.0	21.8	1200	138	208V/1Ph/60Hz	30	27.0	3.9	222	208V/1Ph/60Hz	30	19.0	0.64	TRANE	5TEM4D044C31SA / 5TWR5036A	3.6KW HEATER, PROVIDE MERV 13 FILTERS
IDU-33	HP-33	CORRIDOR 741	48.8	12.0	R-454B	44.0	28.8	1800	174	208V/1Ph/60Hz	60	52.0	6.8	222	208V/1Ph/60Hz	40	26.0	2.8	TRANE	5TEM6A0C48H41 / 5TWR5048N1	9.6W HEATER; PROVIDE MERV 13 FILTERS

1

ENERGY RECOVERY VENTILATOR SCHEDULE

No.	SERVING	SUPPLY CFM	RETURN CFM	OUTSIDE CFM	EXHAUST CFM	SUPPLY ESP	EXHAUST ESP	ENERGY PERFORMANCE					V/Hz/Ph	MCA (A)	MAX FUSE	MANUFACTURER	MODEL	NOTES
								SUPPLY TEMP (°F)	NET FLOW (CFM)	POWER (hp)	SENSIBLE EFFICIENCY (%)	LATENT RECOVERY MOISTURE						
ERV-20	ADDITION A BEDROOMS	720	720	720	720	0.25	0.37	78.8	720	0.24	1.02	76%	120/60/1	20.5	25	GREENHECK	MINIVENT-750-VG	PROVIDE MERV 13 FILTERS
ERV-21	ADDITION B BEDROOMS	1080	1080	1080	1080	0.25	0.37	78.8	1080	0.33	1.03	80%	208/60/1	12.6	15	GREENHECK	ERV-20-15L	PROVIDE MERV 13 FILTERS

1

REGISTER AND GRILLE SCHEDULE

No.	NECK SIZE	FACE SIZE	SERVICE	MATERIAL	DAMPER	FINISH	MOUNTING	USE	DESCRIPTION	MANUFACTURER	MODEL	NOTES
E1	6"x6"	8"x6"	EXHAUST	ST	YES	WE	SURFACE	EXHAUST	EXHAUST GRILLE 45 DEG DEFLECTION	PRICE	530	
E2	8"x8"	10"x10"	EXHAUST	ST	YES	WE	SURFACE	EXHAUST	EXHAUST GRILLE 45 DEG DEFLECTION	PRICE	530	
R1	14"x14"	16"x16"	RETURN	ST	YES	WE	SURFACE	SUPPLY	RETURN GRILLE 45 DEG DEFLECTION	PRICE	530	
S1	6"x6"	8"x6"	SUPPLY	ST	YES	WE	SURFACE	SUPPLY	SUPPLY GRILLE DOUBLE DEFLECTION	PRICE	510	
S2	10"x4"	10"x6"	SUPPLY	ST	YES	WE	SURFACE	SUPPLY	SUPPLY GRILLE DOUBLE DEFLECTION	PRICE	510	

PTAC SCHEDULE

No.	COOLING TOTAL BTUH	COOLING SENS. BTUH	CFM HIGH/LOW	ELECTRIC DATA	MCA	MOCP	HEATING BTU	COP	NOTES	MANUFACTURER	MODEL
PTAC-1	7.1	6.9	360/205	208V/1PH	13.6	20	9.4	4.0	2.7 kW HEATER	GE	AZ65H07DAB

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ELECTRICAL LEGEND

ELECTRICAL GENERAL NOTES

1. FOR EXACT LOCATIONS AND SURFACE FINISH CONDITIONS OF CEILINGS, WALLS, OR FLOORS, REFER TO ARCHITECTURAL DRAWINGS.
2. REFER TO HAZARDOUS MATERIALS DRAWINGS FOR LOCATIONS OF HAZARDOUS OR POSSIBLE HAZARDOUS MATERIALS BEFORE PERFORMING ANY WORK ON EXISTING STRUCTURES.
3. FOR EXACT LOCATION OF FACILITY EXPANSION JOINTS, FIRE RATED WALLS, AND SMOKE WALLS, REFER TO ARCHITECTURAL DRAWINGS.
4. FOR EXACT LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES, AND TAMPER SWITCHES REFER TO HVAC / FP DRAWINGS AND COORDINATE WITH THE HVAC FP CONTRACTOR.
5. VERIFY EXACT LOCATION OF CONNECTION POINTS PRIOR TO ROUGH-IN.
6. COORDINATE LOCATIONS OF ALL RECEPTACLES AND LUMINAIRES IN MECHANICAL SPACES WITH HVAC CONTRACTOR PRIOR TO ROUGH-IN TO AVOID CONFLICTS WITH EQUIPMENT AND DUCTWORK.
7. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS NOTED OTHERWISE. EXCEPT FOR PENDANT LIGHTING WHICH ARE TO THE BOTTOM OF THE LUMINAIRE. FOR AREAS WITH DIFFERENT FLOOR LEVELS, HEIGHT IS BASED UPON CLOSEST FLOOR OR LANDING TO DEVICE, EQUIPMENT, OR LUMINAIRE. ELEVATIONS GIVEN ON LEGEND SHEET ARE UNLESS NOTED OTHERWISE ON DRAWINGS.
8. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.
9. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG EXCEPT LIFE SAFETY/EMERGENCY BRANCH CIRCUIT WIRING WHICH SHALL BE MINIMUM #10 AWG. SIZE BRANCH CIRCUIT CONDUCTORS AS PER NEC AND AS SCHEDULED ON THIS DRAWING BASED ON ACTUAL CIRCUIT DISTANCE. INCLUDE GROUND CONDUCTOR DERATINGS.
10. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS REQUIRING A NEUTRAL CONNECTION. DERATE CONDUCTORS PER NEC ACCORDINGLY. MULTIWIRE BRANCH CIRCUITS ARE NOT ACCEPTABLE.
11. PROVIDE GROUNDING PER NEC & TIA 607B. PROVIDE GREEN GROUND CONDUCTOR IN ALL BRANCH AND FEEDER CIRCUITS.
12. DO NOT INSTALL ANY NEW WORK DIRECTLY ABOVE ANY ELECTRICAL PANELS, SWITCHBOARDS, SWITCHGEAR, OR TRANSFORMERS.
13. CIRCUIT NUMBERS SHOWN FOR EQUIPMENT TO BE CONNECTED TO EXISTING PANELBOARD(S) IS SHOWN FOR DESIGN INTENT ONLY AND MAY NOT CORRESPOND TO ACTUAL CIRCUIT BREAKER MOUNTING POSITION IN THE PANEL. UPDATE THE RECORD DRAWINGS & PANELBOARD DIRECTORY WITH THE ACTUAL CIRCUIT NUMBERS USED TO CORRESPOND TO THE PANEL DIRECTORY.
14. CONFIRM ALL LABELS AND ROOM NUMBERS WITH OWNER PRIOR TO FINALIZING LABELING AND PROGRAMMING.
15. COORDINATE FINAL OUTLET LOCATION WITH ALL TRADES AND FURNITURE/MILLWORK PLACEMENT PRIOR TO ROUGH-IN. GENERAL CONTRACTOR SHALL PROVIDE ALL DRILLING AND GROMMETING IN FURNITURE/CASEWORK FOR CORD ACCESS IF REQUIRED.
16. INSTALL DATA OUTLETS 6" ADJACENT TO ASSOCIATED ELECTRICAL OUTLET.
17. SWITCHES SHOWN SIDE BY SIDE OR GANGED SHALL BE INSTALLED UNDER A COMMON COVERPLATE, UNLESS NOTED OTHERWISE.
18. PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, CEILINGS, & ROOFS AS CALLED OUT ON ARCHITECTURAL PLANS. PROVIDE ACOUSTICAL SEALANT AT PENETRATIONS THROUGH ALL NON-FIRE RATED WALLS, FLOORS, & CEILINGS.
19. PROVIDE CONDUIT EXPANSION JOINTS AT ALL EXPANSION JOINTS AS CALLED OUT ON ARCHITECTURAL PLANS.
20. SITE PLAN CONDUIT ROUTING SHOWN FOR INTENT. REFERENCE CIVIL DRAWINGS FOR UNDERGROUND COORDINATION AND DISTANCE OF RUNS. COORDINATE WITH ALL TRADES.
21. FINAL QUANTITY AND LOCATION OF WIRELESS DATA OUTLETS IDENTIFIED ON THE FLOOR PLANS SHALL BE VERIFIED WITH THE WIRELESS ACCESS POINT MANUFACTURER BASED ON THE MODEL NUMBER UTILIZED PRIOR TO INSTALLATION/ROUGH-IN.

ELECTRICAL DEMOLITION GENERAL NOTES

1. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. WHERE EQUIPMENT IS SCHEDULED TO BE REMOVED, ABANDON CONCEALED RACEWAY AND REMOVE CONDUCTORS BACK TO SOURCE OR LAST SCHEDULED DEVICE TO REMAIN. REMOVE EXPOSED RACEWAY AND CONDUCTORS BACK TO POWER SOURCE OR LAST DEVICE SCHEDULED TO REMAIN IN ALL OTHER AREAS.
2. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, THEY SHALL BE CONCEALED BY CUTTING AND PATCHING THE WALLS UNLESS OTHERWISE NOTED.
3. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. PROVIDE SPECIAL COVERPLATES TO SUIT FIELD CONDITIONS.
4. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
5. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.
6. STORE REMOVED ELECTRICAL EQUIPMENT SUCH AS LUMINAIRES, POWER AND COMMUNICATION DEVICES, DISTRIBUTION EQUIPMENT, CONTROLLERS, ETC. ON JOB SITE FOR REUSE UNTIL SUBSTANTIAL COMPLETION OR PROJECT CLOSEOUT. PROVIDE OWNER RIGHT OF FIRST REFUSAL OF ELECTRICAL EQUIPMENT OTHERWISE REMOVE THOSE FROM SITE AT CONTRACTORS EXPENSE IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS THAT THE OWNER DOES NOT WISH TO SALVAGE.
7. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS BUT NECESSARY FOR PROJECT RENOVATIONS TO CONFORM WITH INTENT OF DOCUMENTS. VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL DEMOLITION WORK REQUIRED TO COMPLETE THE NEW CONSTRUCTION. CONTRACTOR SHALL PROVIDE IN BASE BID A NOMINAL AMOUNT OF UNKNOWN BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING BEING REMOVED OR RELOCATED FOR NEW WORK.
8. WHERE DEMOLITION OF DEVICE OR EQUIPMENT AND REMOVAL OF CONDUIT OR OTHER ACCESSORY LEAVES OPENINGS IN THE FLOORS, WALLS, OR CEILINGS, SAME SHALL BE PATCHED AND PAINTED TO MATCH EXISTING ADJACENT FINISH. ALL OPENINGS IN FLOORS SHALL BE PINNED WITH REBAR.
9. REFER TO DEMOLITION DRAWINGS & NOTES OF ALL CONTRACTS OR TRADES FOR COORDINATION.
10. IN AREAS OF DEMOLITION WHERE THE REMOVAL OF ELECTRICAL EQUIPMENT INTERFERES WITH THE NORMAL BUILDING OPERATIONS AND SYSTEMS, CONSULT WITH THE OWNER PRIOR TO PERFORMING ANY DEMOLITION.
11. WHERE UNFORESEEN CONDITIONS CONFLICT WITH CONTRACT DOCUMENTS, SUBMIT AN RFI PRIOR TO PROCEEDING WITH ANY WORK.
12. WHERE DEVICES ARE SCHEDULED FOR RELOCATION OR SALVAGING; DISCONNECT AND REMOVE EXISTING DEVICE AND REMOVE ASSOCIATED WIRING, AND STORE AS REQUIRED. RELOCATE DEVICE AS SHOWN, EXTEND WIRING AS REQUIRED, AND MATCH EXISTING.
13. WHERE REMOVALS AFFECT EXISTING CIRCUITS SCHEDULED TO REMAIN, MAINTAIN CONTINUITY OF POWER TO THESE CIRCUITS AND EXTEND WIRING AS NEEDED.
14. WHERE ANY EMPTY BACKBOXES OR EMPTY JUNCTION BOXES REMAIN DUE TO ELECTRICAL DEMOLITION, PROVIDE COVERPLATE(S) OVER EXISTING BOX(ES).
15. WHERE EQUIPMENT CONNECTIONS ARE SHOWN, REMOVE ELECTRICAL CONNECTION, CONDUIT AND WIRE BACK TO POWER SOURCE. DISCONNECT AND REMOVE ASSOCIATED CONTROLLER SERVING EQUIPMENT AND ASSOCIATED CONTROL WIRING.
16. DISCONNECT AND REMOVE EXISTING ELECTRIC WORK NOT NECESSARY FOR EXISTING OR NEW INSTALLATION, BUT INTERFERING WITH NEW CONSTRUCTION.
17. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ANY AND ALL EXISTING ELECTRIC WORK REQUIRED TO REMAIN, BUT INTERFERING WITH NEW CONSTRUCTION.
18. WHERE DEMOLITION NOTES SCHEDULE EXISTING WIRING DEVICES, LIGHTING FIXTURES, SYSTEMS DEVICES, EQUIPMENT CONNECTIONS, ETC. TO BE "DISCONNECTED AND REMOVED IN THE ENTIRETY", THE CONTRACTOR SHALL DISCONNECT AND REMOVE THE EXISTING LIGHTING FIXTURE, WIRING DEVICES, COVERPLATES, BRANCH CIRCUIT WIRING, CONDUIT OR RACEWAY, OUTLET AND/OR SPLICE BOX(ES) ETC. BACK TO EITHER LAST DEVICE SCHEDULED TO REMAIN, OR BACK TO POWER SOURCE.
19. PROPERLY DISPOSE OF ALL PCB CONTAINING FLUORESCENT BALLASTS MANUFACTURED PRIOR TO 1980 ACCORDING TO STATE AND FEDERAL REGULATIONS.
20. IF ADDITIONAL SUSPECT ASBESTOS-CONTAINING MATERIALS ARE DISCOVERED DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER AND ARCHITECT TO WITH REGARD TO CONDUCTING ADDITIONAL BULK SAMPLING AND ABATEMENT AT THE OWNER'S EXPENSE.

ABBREVIATIONS

°	DEGREES
Δ	DELTA
Ω	OHMS
Ø	PHASE
Y	WYE
A	AMPERE
AFCI	ARC-FAULT CIRCUIT INTERRUPTING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
ANN	ANNUNCIATOR
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BLDG	BUILDING
CND	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CO	CARBON MONOXIDE
COAX	COAXIAL CABLE
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DIA	DIAMETER
DIV	DIVISION
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRIC
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE DEVICE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FC	FOOTCANDLE
FLR	FLOOR
FTL	FEED THRU LUGS
GC	GENERAL CONTRACTOR
GEC	GROUND ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTING
GFI	GROUND FAULT INTERRUPTING
G	GROUND
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HTR	HEATER
HV	HIGH VOLTAGE
HZ	HERTZ (CYCLES/SECOND)
ID	INSIDE DIAMETER
IP	INTERNET PROTOCOL
IR	INFRARED
J-BOX	JUNCTION BOX
kAIC	KILOAMPERE INTERRUPTING CURRENT
kAIR	KILOAMPERE INTERRUPTING RATING
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kW	KILOWATT
kWh	KILOWATT HOUR
LAN	LOCAL AREA NETWORK
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LV	LOW VOLTAGE
MAG	MAGNETIC
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANELBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MM	MULTIMODE
MOCP	MAXIMUM OVERCURRENT PROTECTION
MV	MEDIUM VOLTAGE
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OCPD	OVERCURRENT PROTECTIVE DEVICE
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OH	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PB	PULLBOX
PC	PERSONAL COMPUTER
PH	PHASE
POE	POWER OVER ETHERNET
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PTZ	PAN TILT ZOOM
PVC	POLYVINYL CHLORIDE
RCP	REFLECTED CEILING PLANS
REC	RECEPTACLE
REF	REFRIGERATOR
RFID	RADIO FREQUENCY IDENTIFICATION DEVICE
RM	ROOM
RMC	RIGID METAL CONDUIT
SCHED	SCHEDULE
SEC	SECONDARY
SF	SUPPLY FAN
SFL	SUB FEED LUGS
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SPEC	SPECIFICATION
STP	SHIELDED TWISTED PAIR
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEL	TELEPHONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
THD	TOTAL HARMONIC DISTORTION
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TV	TELEVISION
TYP	TYPICAL
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VA	VOLT-AMPERE
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VEND	VENDING MACHINE
VSD	VARIABLE SPEED DRIVE
VOIP	VOICE OVER INTERNET PROTOCOL
W	WATT
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
WR	WEATHER RESISTANT
XFMR	TRANSFORMER

PANELBOARDS

PANELBOARD - FLOOR PLAN NOTATION:

DOOR STYLE (DESIGNATES VOLTAGE):

- 208/120V OR 240V SYSTEM
- 480/277V SYSTEM

FILL (DESIGNATES BRANCH TYPE):

- NORMAL BRANCH PANELBOARD
- NEC 700 EMERGENCY BRANCH PANELBOARD
- NEC 701 STANDBY BRANCH PANELBOARD
- NEC 702 OPTIONAL BRANCH PANELBOARD

SECURITY DEVICES & ACCESS CONTROL

- CAM1 — CAMERA, WALL MOUNTED
- DC — RECESSED DOOR CONTACT SWITCH, COORDINATE WITH DOOR FRAME INSTALLER
- ES — CONNECTION TO DOOR ELECTRIC STRIKE
- ADA — ADA COMPLIANT AUTOMATIC DOOR OPERATOR.

DEVICE SUBSCRIPTS

II	ROMAN NUMERAL INDICATES QUANTITY OF GANGED DEVICES UNDER COMMON FACEPLATE
+xx	HEIGHT OF DEVICE ABOVE FINISHED FLOOR (IN INCHES)
a	LOWER CASE LETTER(S) INDICATES SWITCH CONTROL ARRANGEMENT
5	NUMERAL INDICATES BRANCH CIRCUIT NUMBER (POWER & LIGHTING)/CANDELA RATING (FIRE ALARM DEVICES)
A	WITH AUXILIARY CONTACTS
AC	INSTALL ABOVE COUNTER, AT 40" AFF. COORDINATE WITH GC
B	REMOVE DEVICE AND INSTALL BLANK COVERPLATE
BF	BLANKFACE GFCI
CD	CORD DROP RECEPTACLE
CH	CLOCK HANGER RECEPTACLE
CL	INSTALL FLUSH IN CEILING
CLS	INSTALL ON SURFACE OF CEILING
COP	RECEPTACLE FOR COPIER , INSTALL 18" AFF
COF	RECEPTACLE FOR COFFEE , INSTALL 44" AFF
D	DIMMER SWITCH (LIGHTING CONTROL)
E	EXISTING BACKBOX TO REMAIN AND BE REUSED
EN	EXISTING BACKBOX WITH NEW DEVICE
EO	EQUIPMENT SUPPLIED BY OWNER
EQ	INSTALL IN EQUIPMENT/CASEWORK
ER	ELEVATOR RECALL
ERL	EXISTING TO BE RELOCATED
ETR	EXISTING TO REMAIN
EWC	RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATION WITH GC & PC PRIOR TO ROUGH-IN
EXP	EXPLOSION PROOF
FL	INSTALL FLUSH IN FLOOR
FB	INSTALL IN FLOORBOX/POKETHRU
FRA	FIRE RATED ASSEMBLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
GFP	FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED
H	INSTALL HORIZONTALLY
HA	HIGH ABUSE COVERPLATE WITH CENTER PIT REJECT SCREWS
IG	ISOLATED GROUND RECEPTACLE
K	KEY OPERATED
L	LOCATOR STYLE TOGGLE SWITCH (PILOT LIGHT 'ON' WHILE DEVICE IS OFF OR UNPOWERED)
LV	LOW VOLTAGE
M	MOMENTARY
MM	MULLION MOUNT
MCW	RECEPTACLE FOR MICROWAVE , INSTALL IN UPPER CABINET, COORDINATE EXACT LOCATION WITH GC PRIOR TO ROUGH-IN
N	INDICATES NEW DEVICE
NIC	NOT IN CONTRACT/PROVIDE BY OTHERS
NL	NIGHT LIGHT LUMINAIRE (UNSWITCHED / INTEGRAL NIGHT LIGHT STYLE RECEPTACLE
NLG	INTEGRAL NIGHT LIGHT STYLE GFCI RECEPTACLE
O	OCCUPANCY SENSOR (AUTOMATIC 'ON' LIGHTING SENSOR SWITCH)
P	PILOT STYLE TOGGLE SWITCH (PILOT LIGHT 'ON' WHILE DEVICE IS ON OR POWERED)
PH	FOR PHONE, INSTALL 54" AFF
PI	POWER INDICATING RECEPTACLE
PJ	RECEPTACLE FOR PROJECTOR , INSTALL FLUSH IN CEILING
PP	BACKBOX FOR AUTODOOR PUSH PLATE
R*	RELAY DESIGNATION (* INDICATES RELAY NUMBER)
REF	RECEPTACLE FOR REFRIGERATOR , INSTALL 44" AFF
RM	EXISTING DEVICE TO REMAIN
RL	RELOCATE DEVICE AS SHOWN ON PLANS
RV	REMOVE DEVICE AND ASSOCIATED CIRCUIT (UNLESS NOTED OTHERWISE)
S	INSTALL ON SURFACE
SP	SURGE PROTECTOR STYLE RECEPTACLE
SR	INSTALL IN SURFACE RACEWAY
SW	SPLIT WIRED RECEPTACLE FOR REMOTE SWITCHING
T	DIGITAL ELECTRONIC INTERVAL TIMER (LIGHTING SWITCH)
TR	TAMPER RESISTANT
TS	DIGITAL ELECTRONIC PROGRAMMABLE TIME SWITCH (LIGHTING SWITCH)
TV	FOR TELEVISION/MONITOR, INSTALL 72" AFF
UC	INSTALL UNDER COUNTER. COORDINATE EXACT LOCATION WITH GC PRIOR TO ROUGH-IN
USB	RECEPTACLE WITH USB CHARGING PORTS
VEND	RECEPTACLE FOR VENDING MACHINE, INSTALL 44" AFF
V	VACANCY SENSOR (MANUAL 'ON' LIGHTING SENSOR SWITCH)
W	INSTALL 44" AFF
WG	WIRE GUARD
WP	WEATHERPROOF DEVICE / WEATHERPROOF WHILE-IN-USE EXTRA DUTY COVER & WEATHER RESISTANT RECEPTACLE
WPS	WEATHERPROOF SPRING-LOADED COVER/WEATHERPROOF CLOSED/DAMP LOCATION COVER) & WEATHER RESISTANT RECEPTACLE
WR	WEATHER RESISTANT DEVICE/WEATHER RESISTANT RECEPTACLE
Z*	DEVICE ZONE IDENTIFIER (* INDICATES ZONE NUMBER)

GENERAL LINEWORK DESCRIPTIONS & DRAWINGS NOTES

- NEW WORK
- EXISTING WORK / FUTURE PROVISIONS / NOT IN CONTRACT WORK
- WORK TO BE REMOVED (DEMO PLANS) - DEVICE AND ALL ASSOCIATED ELECTRICAL WORK SHALL BE REMOVED BACK TO THE SOURCE, UNLESS NOTED OTHERWISE / UNDERFLOOR CONDUIT (NEW PLANS)
- WIRE AND / OR CONDUIT RUN CONTINUED ON REFERENCED DETAIL
- MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWING
- CALLOUT BOUNDARY - DETAIL AND / OR SECTION REFERENCE / SCOPE OF WORK
- BRANCH CIRCUIT BOUNDARY

BRANCH CIRCUIT CONDUCTOR SIZING

CIRCUIT NOTATION:

11,13 — CIRCUIT NUMBER(S)
1LNL1 — SOURCE PANELBOARD (IF OTHER THAN NOTED ON SHEET/CIRCUIT BOUNDARY)

PROVIDE MINIMUM WIRE SIZE AS FOLLOWED UNLESS NOTED OTHERWISE:
20A CB - #12 AWG
30A CB - #10 AWG
40A CB - #8 AWG
50A CB - #6 AWG
INCREASE SIZE OF CONDUCTOR FOR DISTANCE AS SHOWN BELOW IN 20A BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE.

20A BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE:

CONDUCTOR SIZE (AWG)	#12	#10	#8	#6	#4
MAXIMUM BRANCH CIRCUIT LENGTH AT 120V (FEET)	90	140	225	355	565
MAXIMUM BRANCH CIRCUIT LENGTH AT 277V (FEET)	205	325	520	825	1310

NOTES:

1. INCREASE ALL BRANCH CIRCUIT CONDUCTORS AS INDICATED BASED ON LENGTH OF CIRCUIT, INCLUDING EQUIPMENT GROUNDING CONDUCTOR.
2. TRANSITION FROM LARGER CONDUCTOR SIZE TO #12 AWG FOR FINAL TERMINATION TO OUTLET DEVICE. PROVIDE JUNCTION BOX WITHIN 10' OF OUTLET AND EXTEND #12 AWG CONDUCTORS TO OUTLET.
3. LENGTHS ARE FROM OVERCURRENT PROTECTIVE DEVICE, ALONG CIRCUIT ROUTING, TO CENTER OF EQUIPMENT LOAD.
4. SCHEDULE ASSUMES 12A LOAD, FOR LOADS HIGHER THAN 12A, INCREASE CONDUCTOR SIZE.

EQUIPMENT CONNECTIONS

- (N) — DIRECT CONNECTION FOR 120V EQUIPMENT CONNECTED TO NORMAL BRANCH
- SINGLE PHASE MOTOR/PUMP CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE
- THREE PHASE MOTOR/PUMP CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE
- SINGLE POINT EQUIPMENT CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE

ELECTRICAL DEVICES

GENERAL ELECTRICAL DEVICE NOTATION:

SOURCE PANELBOARD (IF OTHER THAN NOTED ON SHEET/CIRCUIT BOUNDARY) — 15 / 1LNL1 — +30" — PI
CIRCUIT #
INSTALLATION HEIGHT TO CENTER OF DEVICE IN INCHES (IF OTHER THAN SPECIFIED ON LEGEND)
SUBSCRIPT (IF APPLICABLE)

- NEMA 5-20R DUPLEX RECEPTACLE, 24" AFF
- NEMA 5-20R DUPLEX RECEPTACLE, INSTALLED FLUSH IN CEILING
- NEMA 5-20R GFCI DUPLEX RECEPTACLE, 24" AFF
- NEMA 5-20R DUPLEX RECEPTACLE, 44" AFF
- NEMA 5-20R GFCI DUPLEX RECEPTACLE, 44" AFF
- SINGLE POLE TOGGLE SWITCH, 44" AFF
- 3-WAY TOGGLE SWITCH, 44" AFF
- OCCUPANCY SENSOR SWITCH, DUAL TECHNOLOGY, SINGLE POLE, WALL-BOX STYLE, 44" AFF
- DIMMING SWITCH, SINGLE FOR MULTIPLE ELECTRONIC FUNCTIONALITY AS SHOWN, 44" AFF
- AUTOMATIC OFF TIMER SWITCH WITH MAXIMUM TIMER OF 120 MINUTES
- OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY, WIDE VIEW, CEILING MOUNTED
- OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY, WIDE VIEW, WALL MOUNTED 90° AFF

LIGHTING

GENERAL LUMINAIRE NOTATION:

SOURCE PANELBOARD(IF OTHER THAN NOTED ON SHEET/CIRCUIT BOUNDARY) — 15 / 1LNL1 — a — R4 — LD1
CIRCUIT #
SWITCHLEG CONTROL ARRANGEMENT
RELAY DESIGNATION (IF APPLICABLE)
LUMINAIRE TYPE - REFER TO LUMINAIRE SCHEDULE

POLE TYPE - REFER TO SITE LIGHTING POLE SCHEDULE/LUMINAIRE SCHEDULE — P-A
DOTS INDICATE PENDANT HUNG
ARROW INDICATES AIMING DIRECTION (WHERE APPLICABLE)
TAIL INDICATES WALL MOUNT STYLE LUMINAIRE

- PATTERN INDICATES LUMINAIRE CONNECTED TO UNSWITCHED LIGHTING CIRCUIT
- PATTERN INDICATES LUMINAIRE CONNECTED TO EMERGENCY BRANCH (NEC 700)
- PATTERN INDICATES LUMINAIRE CONNECTED TO STANDBY BRANCH (NEC 701)
- PATTERN INDICATES LUMINAIRE CONNECTED TO OPTIONAL BRANCH (NEC 702)
- PATTERN INDICATES LUMINAIRE CONNECTED TO STANDBY BRANCH (NEC 701) & NORMAL BRANCH (2 OR MORE BALLASTS/DRIVERS)
- GEOMETRIC SHAPE LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE
- ILLUMINATED EXIT SIGN - SINGLE/DOUBLE FACE AS SHOWN - DIRECTION OF ARROWS AS INDICATED - CEILING, SURFACE WALL, OR PERPENDICULAR WALL AS SHOWN
- LIGHTING TRACK WITH TRACK MOUNTED LUMINARIES
- SELF CONTAINED BATTERY LIGHTING UNIT
- REMOTE LIGHTING LAMP HEAD(S) - CONNECT TO REMOTE BATTERY PACK IN INTERIOR ACCESSIBLE CEILING SPACE
- LUMINAIRE(S) AND POLE ASSEMBLY
- SURFACE AT GRADE / FLUSH TO GRADE LUMINAIRE
- FLOOD OR MONO-POINT LUMINAIRE
- BOLLARD WITH INTEGRAL LUMINAIRE
- SPORT LIGHTING LUMINAIRES AND POLE ASSEMBLY

DATA/TELECOMMUNICATION OUTLETS

NOTE: PROVIDE CONDUIT FROM BOX STUBBED INTO ACCESSIBLE CEILING SPACE IN NEAREST CORRIDOR. REFER TO DATA/TELECOMMUNICATION OUTLET SCHEDULE FOR ADDITIONAL DETAILS.

- DATA/TELECOMMUNICATIONS OUTLET, 18" AFF
- DATA/TELECOMMUNICATIONS OUTLET, 44" AFF OR 6" ABOVE COUNTER
- DATA/TELECOMMUNICATIONS OUTLET, 60" AFF
- DATA/TELECOMMUNICATIONS OUTLET, 84" AFF OR 1'-0" BELOW CEILING (WHICHEVER IS LOWER)
- DATA/TELECOMMUNICATIONS OUTLET INSTALLED IN FLOORBOX / DEVICE, WITH CONDUIT ROUGH-IN IN SLAB TO ACCESSIBLE CEILING
- DATA/TELECOMMUNICATIONS OUTLET, INSTALLED IN FURNITURE RACEWAY
- DATA/TELECOMMUNICATIONS OUTLET, INSTALLED ABOVE CEILING
- DATA/TELECOMMUNICATIONS OUTLET, INSTALLED FLUSH IN CEILING

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JAMES M. HOWARD 2/02/26

AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS

sheet number :
E001

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GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN AREAS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

KEYED NOTES:

(1) REFER TO SITE CIVIL PLANS FOR LIGHT POLE RE-LOCATION.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.

(1) E051 SITE PLAN - DEMO
NOT TO SCALE

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p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

LAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.
CERT. NO. 52904

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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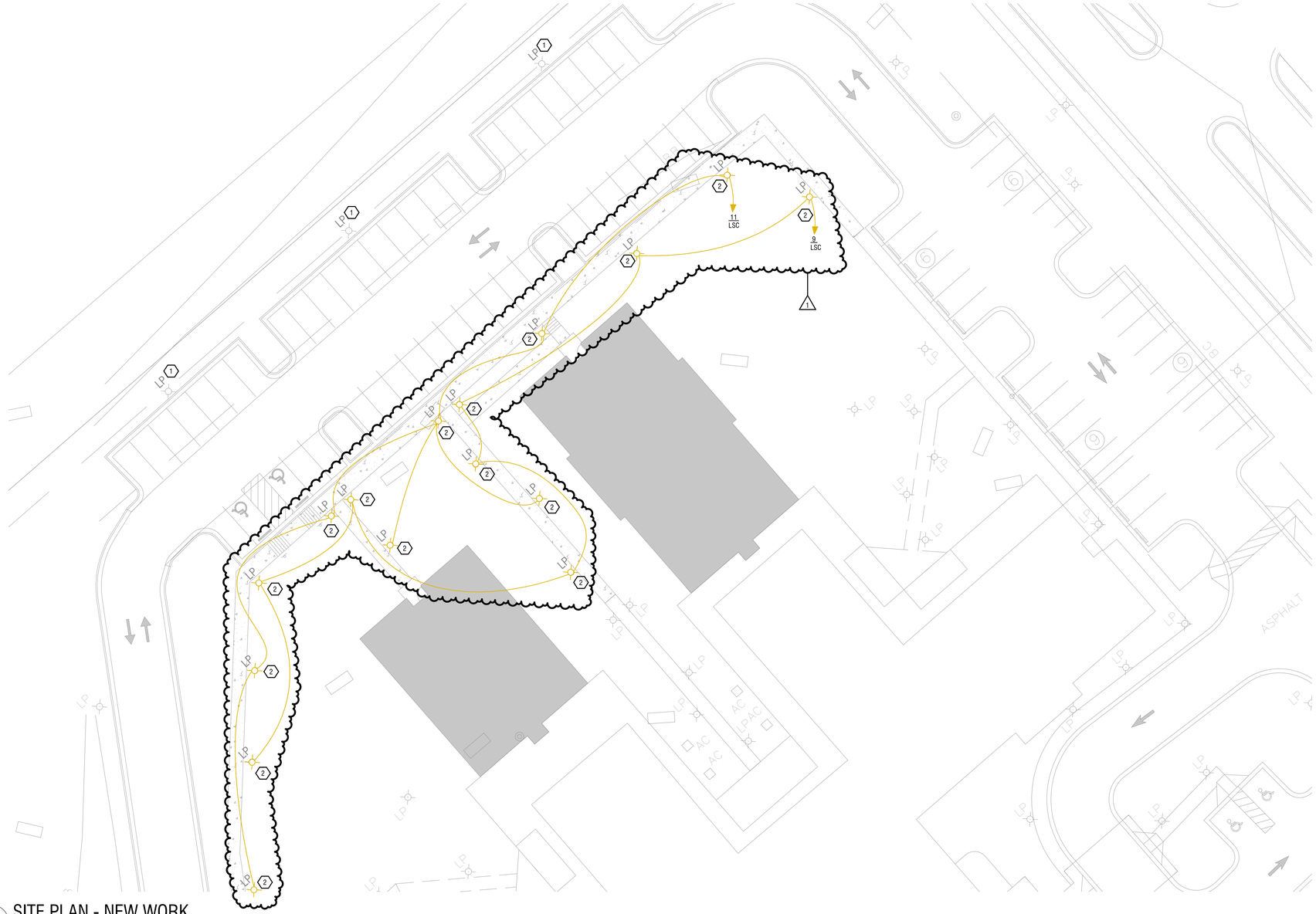
GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN AREAS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

KEYED NOTES:

(1) REFER SITE CIVIL PLANS FOR LIGHT POLE RE-LOCATION.

(2) PROVIDE BOLLARD LIGHT TYPE Y (REFER TO FIXTURE SCHEDULE ON E601). REFER TO PANEL SCHEDULE LSC ON E603. REFER TO DETAILS 3/E501 & 4/E501.



1 / E052 SITE PLAN - NEW WORK
NOT TO SCALE

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CONSTRUCTION DOCUMENTS

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ELECTRICAL SITE PLANS

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E052



1 / ED101 PARTIAL ELECTRICAL DEMOLITION FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

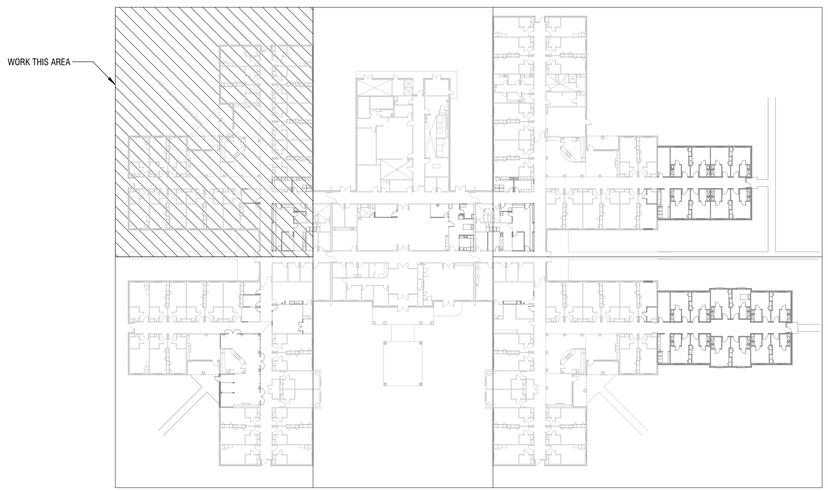
A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT AND REMOVE PANELBOARD AFTER NEW PANELBOARD IS INSTALLED. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT AND REMOVE GENERATOR ANNUNCIATOR AND SAVE FOR RE-LOCATION. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION. RE-LOCATE ANNUNCIATOR TO CONTINUOUSLY OCCUPIED LOCATION DURING CONSTRUCTION.
3. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING DOOR SECURITY SWITCHES AND PA INTERFACE. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION. PROVIDE TEMPORARY SECURITY SWITCHES AND PA INTERFACE DURING CONSTRUCTION. OPERATION AND ACCESS TO THESE SYSTEMS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING EXIT ALARM PANELS. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION. PROVIDE TEMPORARY EXIT ALARM PANELS DURING CONSTRUCTION. OPERATION AND ACCESS TO THESE SYSTEMS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING NURSE STATION. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION. PROVIDE TEMPORARY NURSE STATION DURING CONSTRUCTION. OPERATION AND ACCESS TO THESE SYSTEMS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.
B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.
D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF BY ALL TRADES.
F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL PROJECT CLOSEOUT, THEN PROPERLY DISPOSE OF THAT THE OWNER DOES NOT WISH TO SALVAGE.
G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED FROM RECORD DRAWINGS DATED 12/20/2013. EC SHALL FIELD VERIFY EXACT CONDITIONS, INCLUDING ALL ELECTRICAL EQUIPMENT, FIXTURES, AND DEVICES TO BE REMOVED, AND PROVIDE COMPLETE DEMOLITION OF ALL REQUIRED ELECTRICAL COMPONENTS TO CONFORM TO THE INTENT OF THSE DOCUMENTS.



KEY PLAN

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architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025

commission: NH-3138

sheet title:
ELECTRICAL DEMOLITION FLOOR PLANS

sheet number :

ED101

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1 ED102 PARTIAL ELECTRICAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT AND REMOVE PANELBOARD AFTER NEW PANELBOARD IS INSTALLED. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT AND REMOVE EXISTING ACCESS CONTROL DEVICES AND SAVE FOR RELOCATION. SAVE EXISTING CIRCUIT FOR RE-USE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL PROJECT CLOSEOUT, THEN PROPERLY DISPOSE OF THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED FROM RECORD DRAWINGS DATED 12/20/2013. EC SHALL FIELD VERIFY EXACT CONDITIONS, INCLUDING ALL ELECTRICAL EQUIPMENT, FIXTURES, AND DEVICES TO BE REMOVED, AND PROVIDE COMPLETE DEMOLITION OF ALL REQUIRED ELECTRICAL COMPONENTS TO CONFORM TO THE INTENT OF THSE DOCUMENTS.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 KEVIN M. HOWARD 2/02/26

CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C. CERT. NO. 52904

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL DEMOLITION FLOOR PLANS

sheet number :

ED102

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GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT EXISTING NURSE CALL LIGHT AND SAVE FOR RELOACTION. SAVE EXISTING CIRCUIT FOR RE-USE.
2. DISCONNECT EXISTING IN-CEILING SPEAKER AND SAVE FOR RELOCATION. SAVE EXISTING CIRCUIT FOR RE-USE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

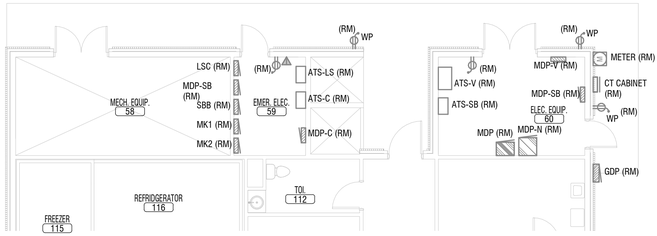
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL PROJECT CLOSEOUT, THEN PROPERLY DISPOSE OF THAT THE OWNER DOES NOT WISH TO SALVAGE.

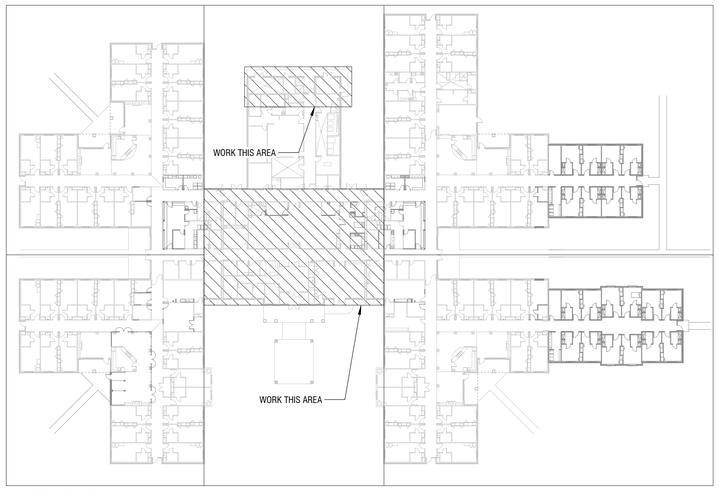
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2 ED103 PARTIAL ELECTRICAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"



1 ED103 PARTIAL ELECTRICAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD 2/02/26

AMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025

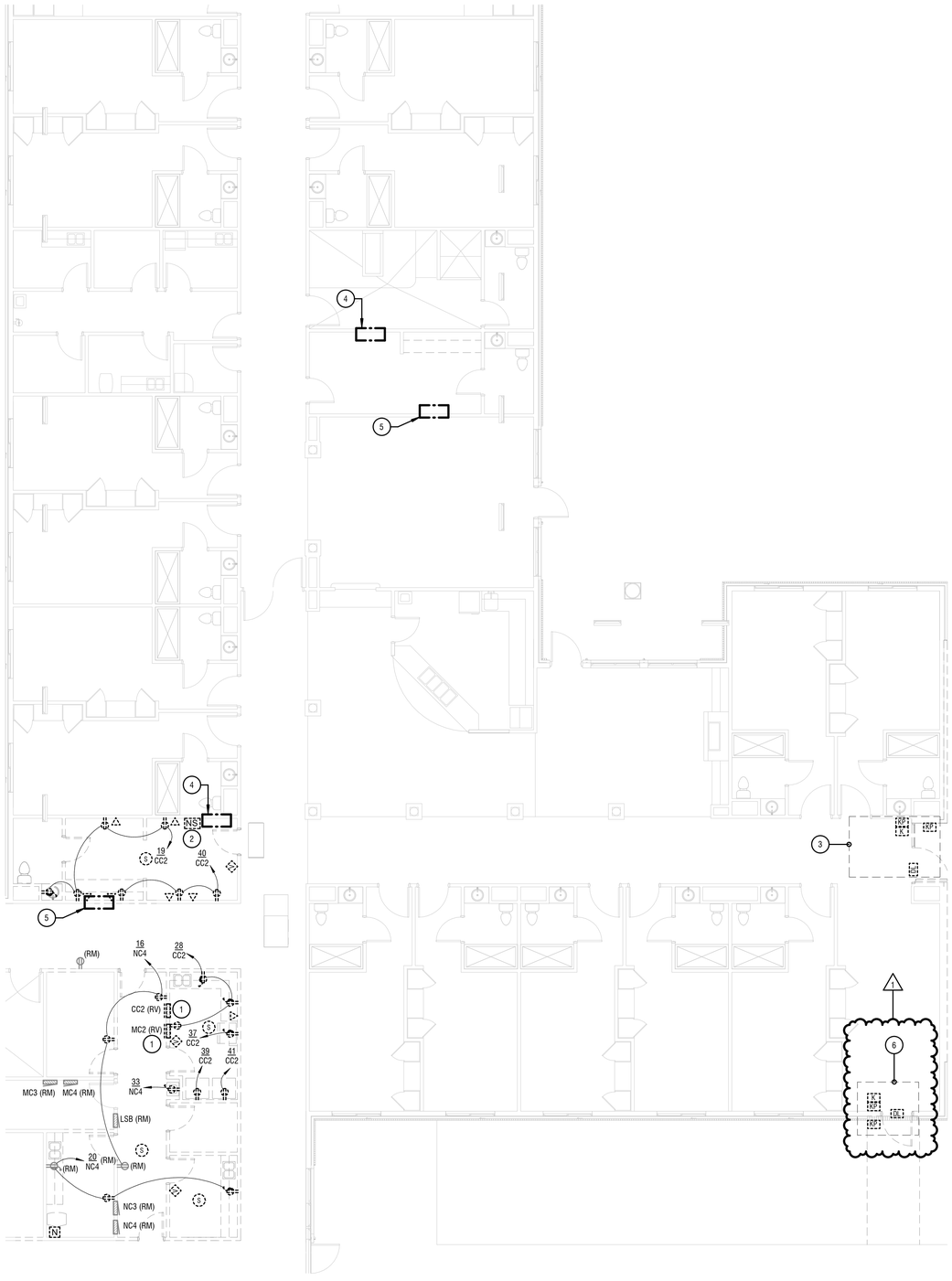
commission: NH-3138

sheet title:
ELECTRICAL DEMOLITION FLOOR PLANS

sheet number :

ED103

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1 / ED104 PARTIAL ELECTRICAL DEMOLITION FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT AND REMOVE PANELBOARD AFTER NEW PANELBOARD IS INSTALLED. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING NURSE STATION. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
3. DISCONNECT AND REMOVE EXISTING ACCESS CONTROL DEVICES AND SAVE FOR RELOCATION. SAVE EXISTING CIRCUIT FOR RE-USE.
4. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING DOOR SECURITY SWITCHES AND PA INTERFACE. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION. PROVIDE TEMPORARY SECURITY SWITCHES AND PA INTERFACE DURING CONSTRUCTION. OPERATIONS AND ACCESS TO THESE SYSTEMS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING EXIT ALARM PANELS. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION. PROVIDE TEMPORARY EXIT ALARM PANELS DURING CONSTRUCTION. OPERATION AND ACCESS TO THESE SYSTEMS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
6. PROVIDE TEMPORARY ACCESS CONTROL DEVICES AND WIRE COMPLETE. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.
B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.
D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF BY ALL TRADES.
F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL PROJECT CLOSEOUT, THEN PROPERLY DISPOSE OF THAT THE OWNER DOES NOT WISH TO SALVAGE.
G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED FROM RECORD DRAWINGS DATED 12/20/2013. EC SHALL FIELD VERIFY EXACT CONDITIONS, INCLUDING ALL ELECTRICAL EQUIPMENT, FIXTURES, AND DEVICES TO BE REMOVED, AND PROVIDE COMPLETE DEMOLITION OF ALL REQUIRED ELECTRICAL COMPONENTS TO CONFORM TO THE INTENT OF THSE DOCUMENTS.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

SIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.
CERT. NO. 52904

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

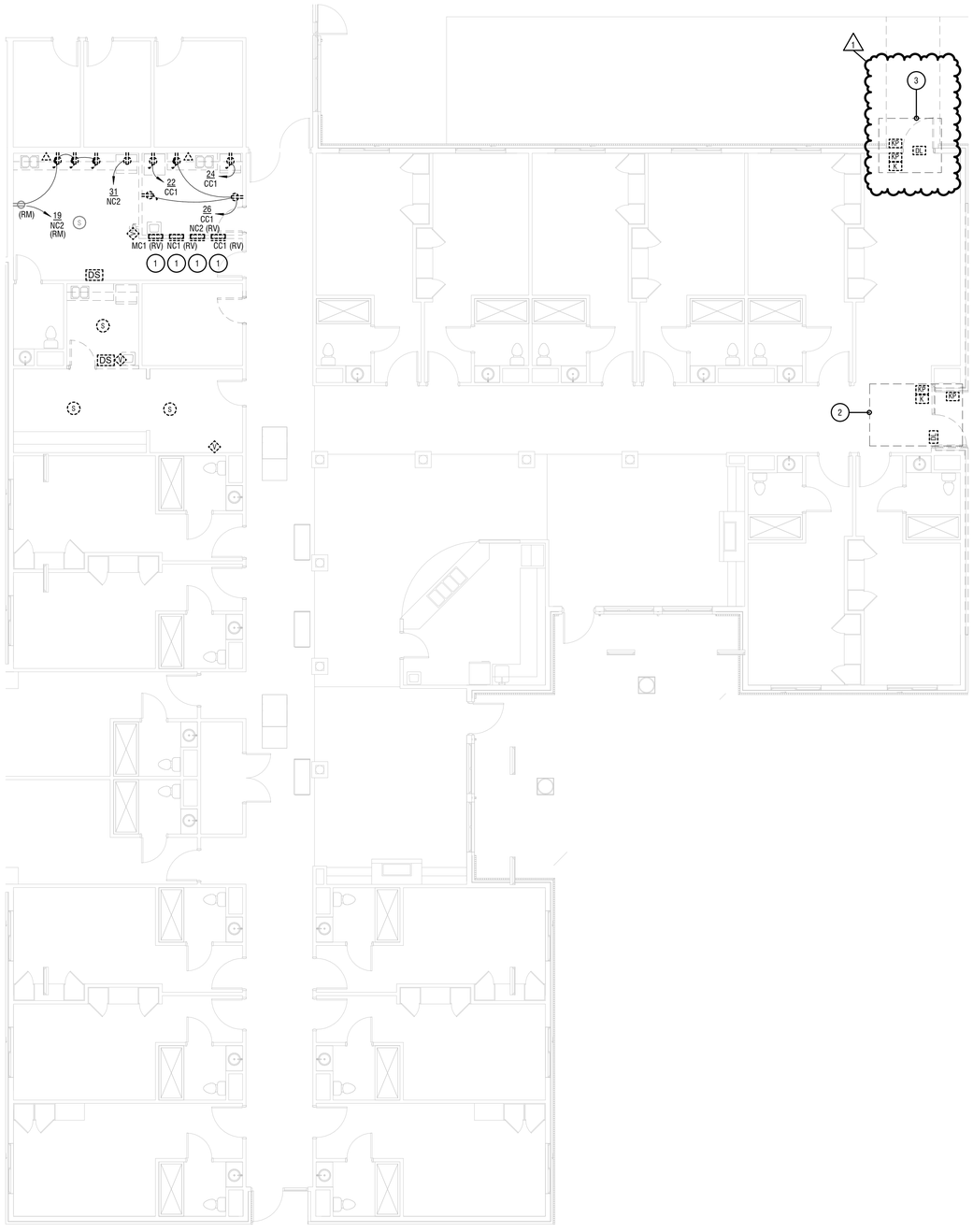
date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL DEMOLITION FLOOR PLANS

sheet number :

ED104

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1 ED105 PARTIAL ELECTRICAL DEMOLITION FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

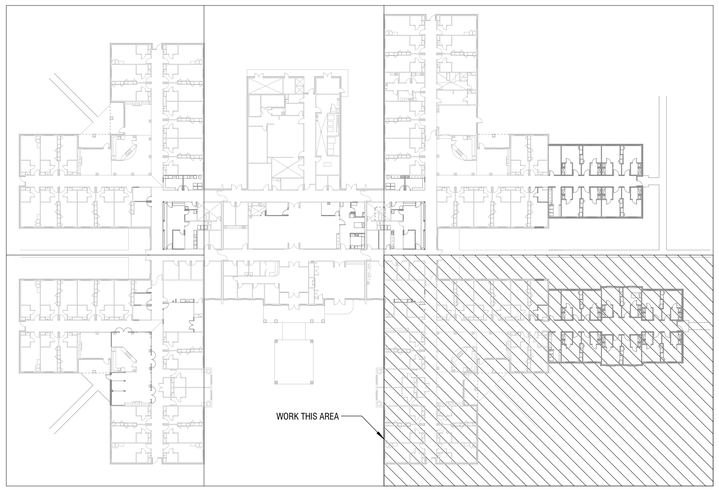
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B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT AND REMOVE PANELBOARD AFTER NEW PANELBOARD IS INSTALLED. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT AND REMOVE EXISTING ACCESS CONTROL DEVICES AND SAVE FOR RELOCATION. SAVE ASSOCIATED COMPONENTS AND WIRE.
3. PROVIDE TEMPORARY ACCESS CONTROL DEVICES AND WIRE COMPLETE. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.
B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.
D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF BY ALL TRADES.
F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL PROJECT CLOSEOUT, THEN PROPERLY DISPOSE OF THAT THE OWNER DOES NOT WISH TO SALVAGE.
G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED FROM RECORD DRAWINGS DATED 12/20/2013. EC SHALL FIELD VERIFY EXACT CONDITIONS, INCLUDING ALL ELECTRICAL EQUIPMENT, FIXTURES, AND DEVICES TO BE REMOVED, AND PROVIDE COMPLETE DEMOLITION OF ALL REQUIRED ELECTRICAL COMPONENTS TO CONFORM TO THE INTENT OF THSE DOCUMENTS.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

CIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.
CERT. NO. 52904

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

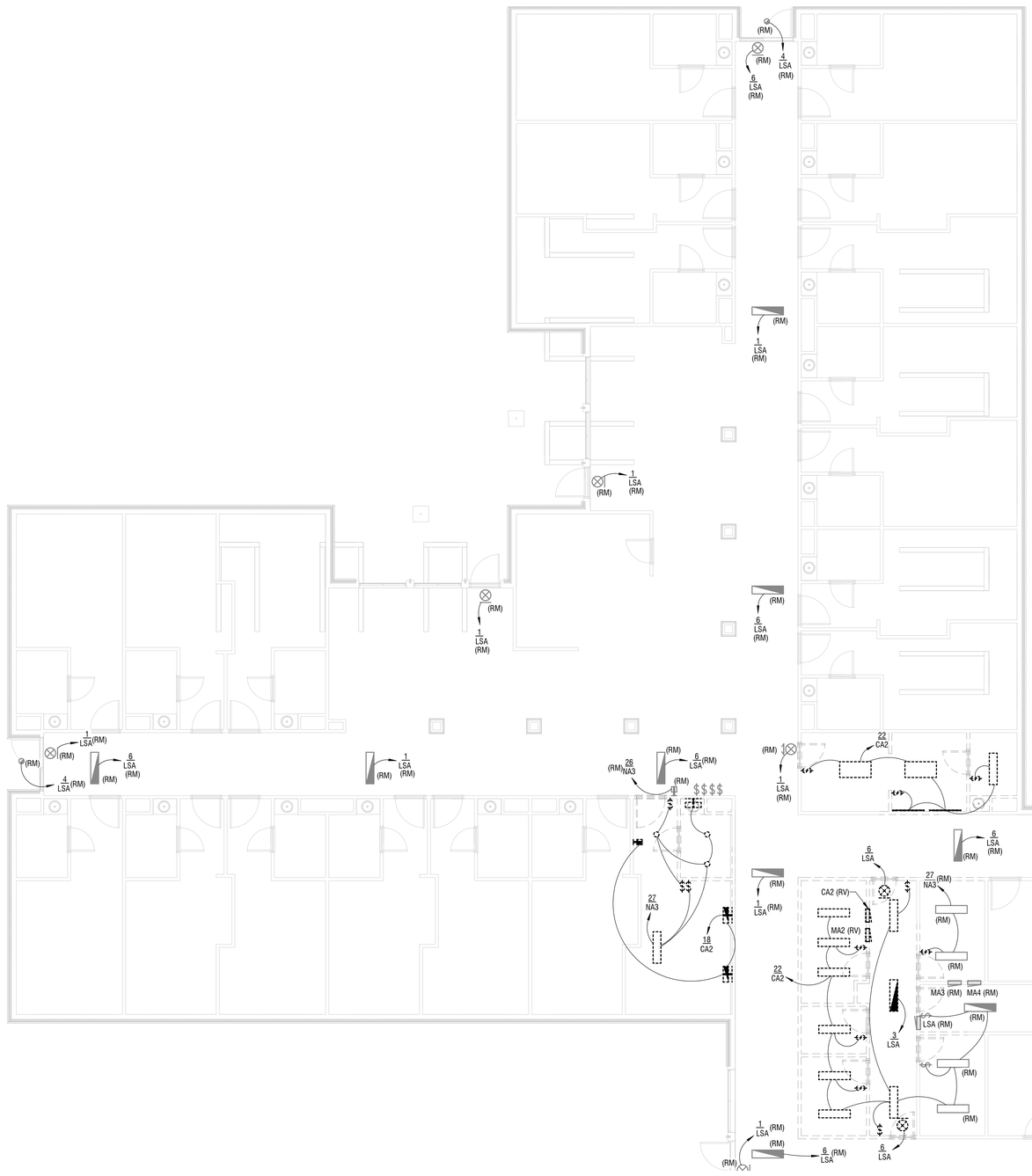
date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL DEMOLITION FLOOR PLANS

sheet number :

ED105

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1 ED201 PARTIAL LIGHTING DEMOLITION FLOOR PLAN
1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.
C. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

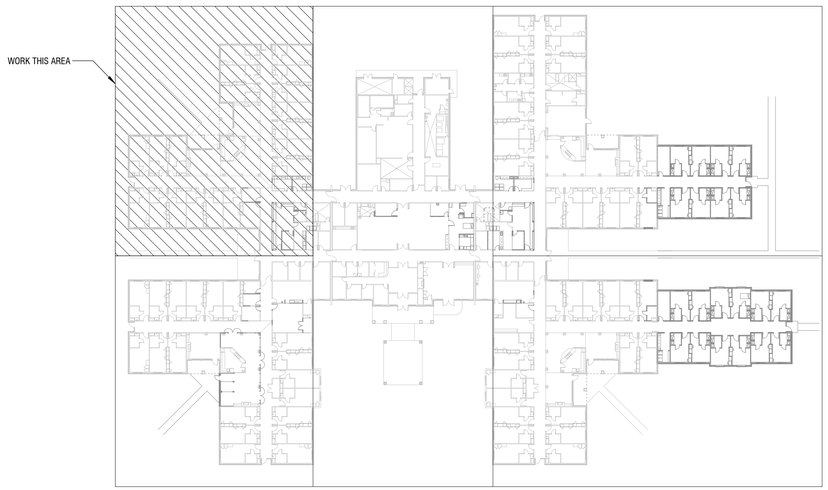
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D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT SEAL 045398 ENGINEER HOWARD JOHN M. 2/02/26

JAMEELA ASSOCIATES P.C. REGISTERED ARCHITECTURE CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025
commission: NH-3138

sheet title:
LIGHTING DEMOLITION FLOOR PLANS

sheet number :

ED201

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GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.
C. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

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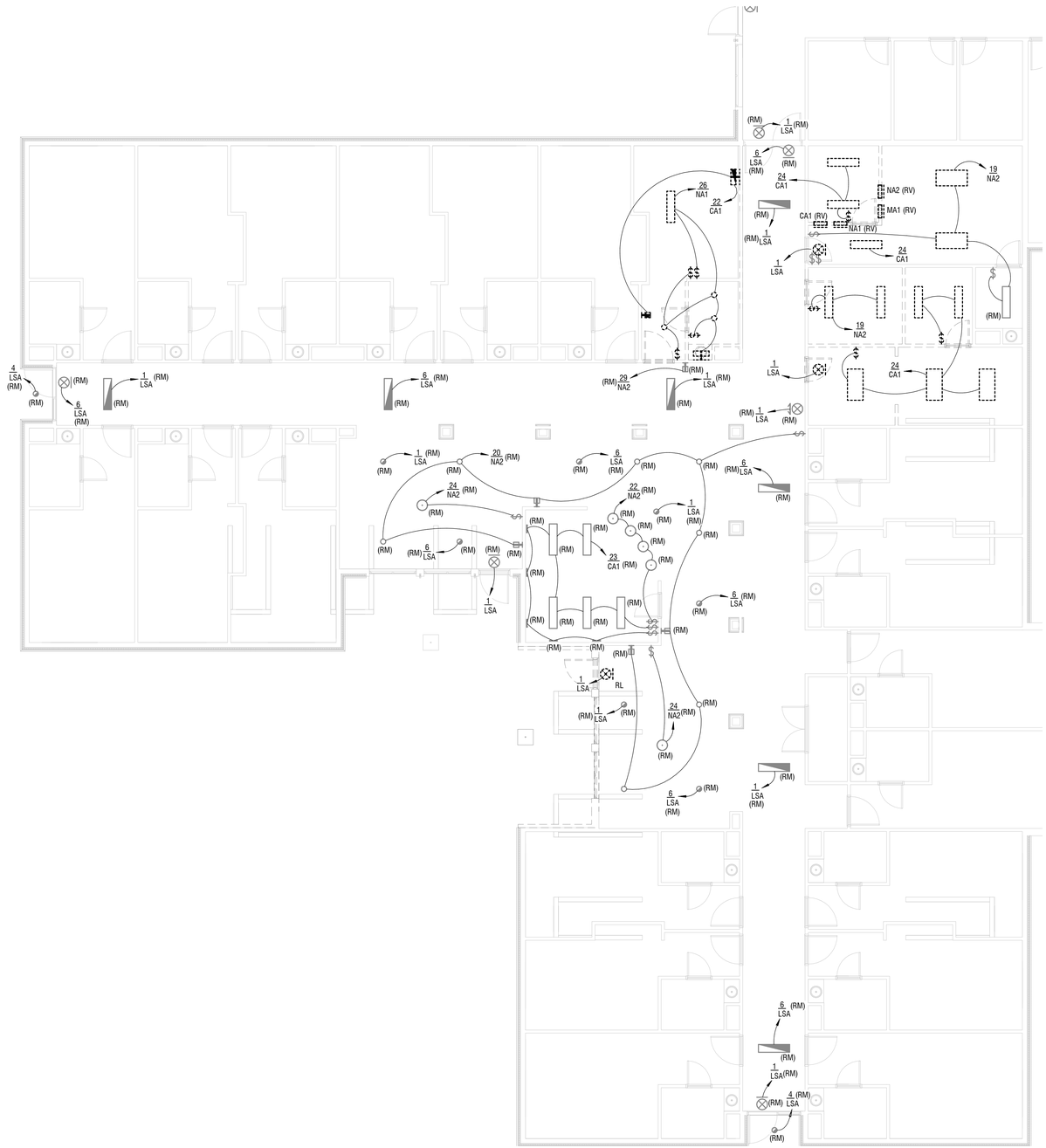
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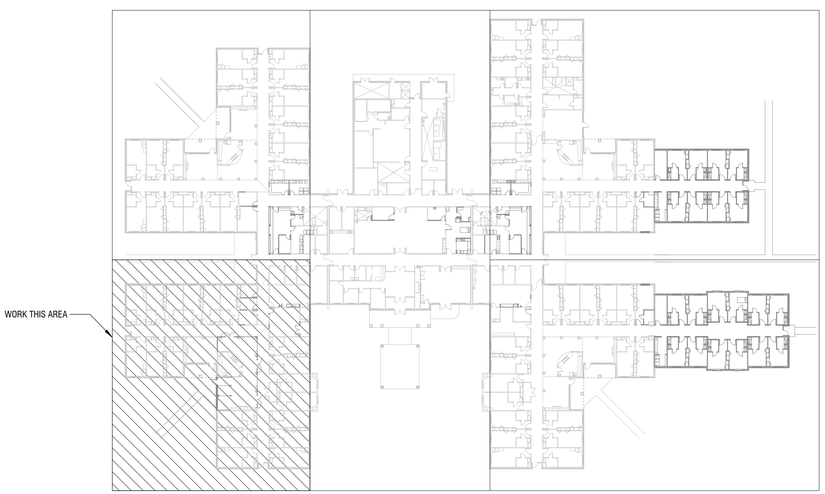
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1 ED202 PARTIAL LIGHTING DEMOLITION FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

STUDIO WALES
architecture
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p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD 2/02/26

AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

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FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025
commission: NH-3138

sheet title:
LIGHTING DEMOLITION FLOOR PLANS

sheet number :

ED202

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GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
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A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

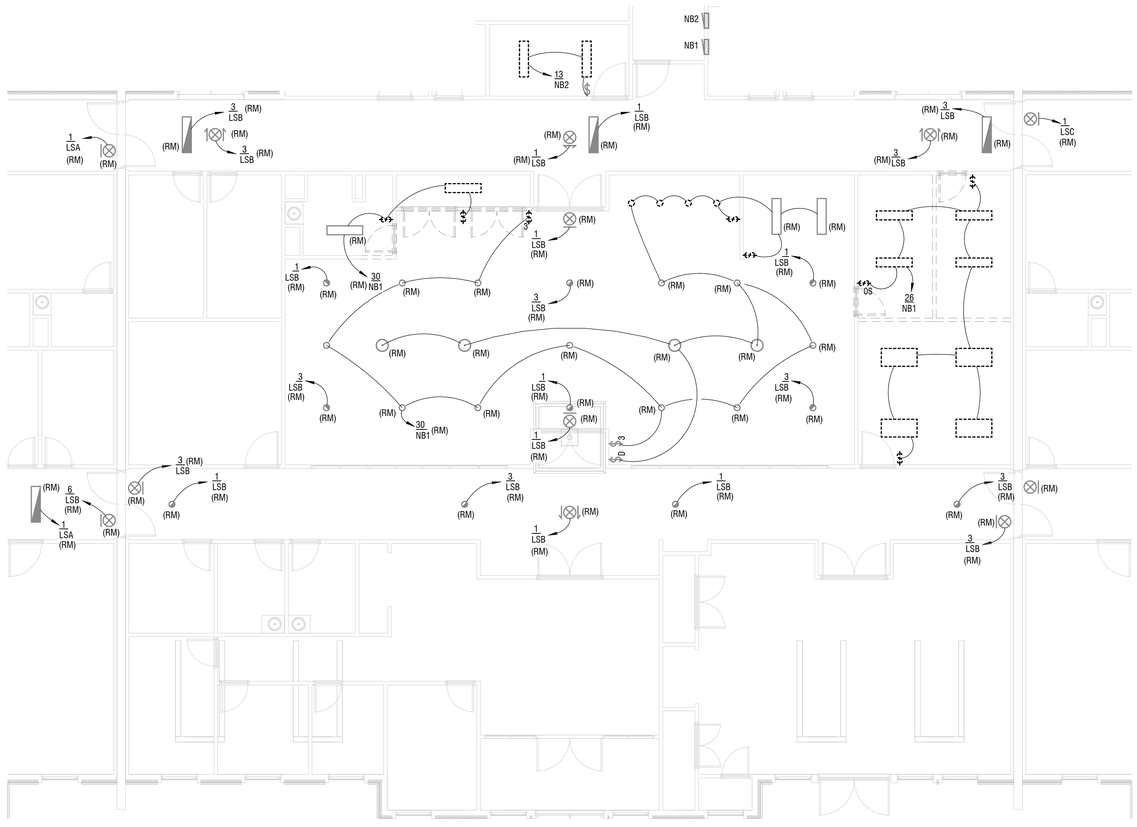
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

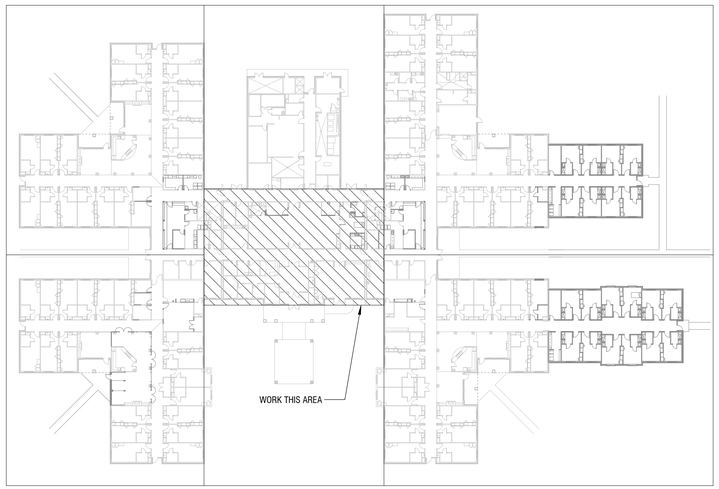
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



1 ED203 PARTIAL LIGHTING DEMOLITION FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

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architecture
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

TIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.
CERT. NO. 52904

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

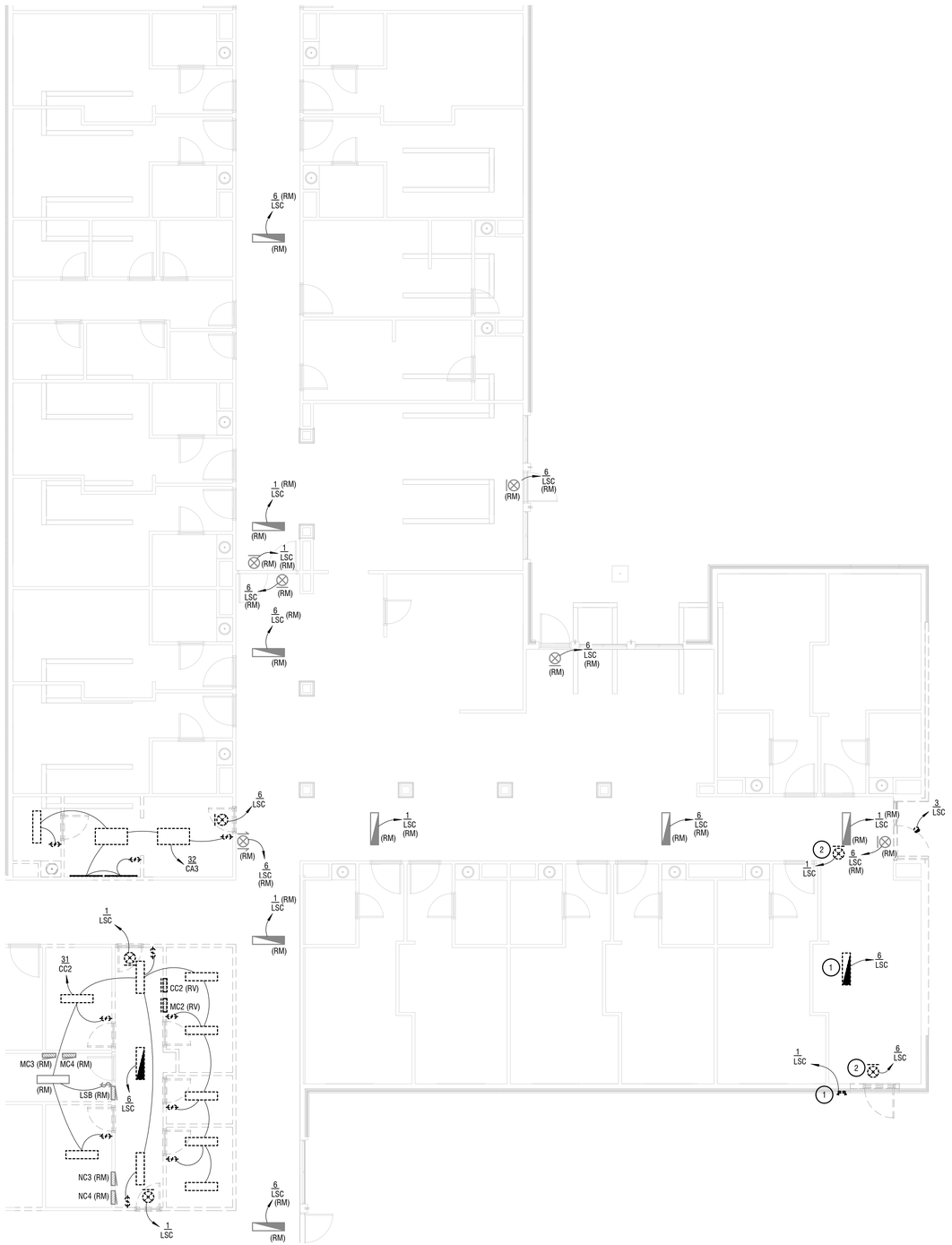
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sheet title:
LIGHTING DEMOLITION FLOOR PLANS

sheet number :

ED203

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1 ED204 PARTIAL LIGHTING DEMOLITION FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.
C. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

KEYED NOTES:

1. PROVIDE TEMPORARY EMERGENCY EGRESS LIGHTING FIXTURE. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.
2. PROVIDE TEMPORARY EXIT SIGN. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.
B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.
D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.
F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.
G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD 2/02/26

JAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

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LIGHTING DEMOLITION FLOOR PLANS

sheet number :

ED204

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1 ED205 PARTIAL LIGHTING DEMOLITION FLOOR PLAN
1/8" = 1'-0"

GENERAL DRAWING NOTES:

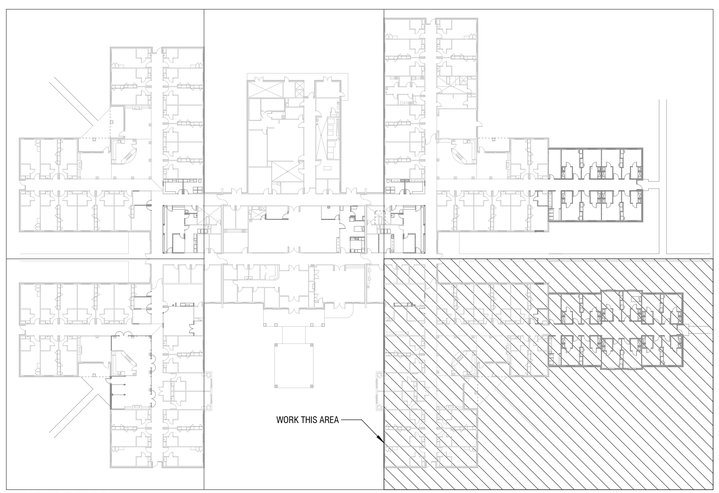
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C. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

KEYED NOTES:

1. PROVIDE TEMPORARY EMERGENCY EGRESS LIGHTING FIXTURE. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.
2. PROVIDE TEMPORARY EXIT SIGN. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.

GENERAL DEMOLITION NOTES:

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KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 | www.STUDIO-WALES.com

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

SIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

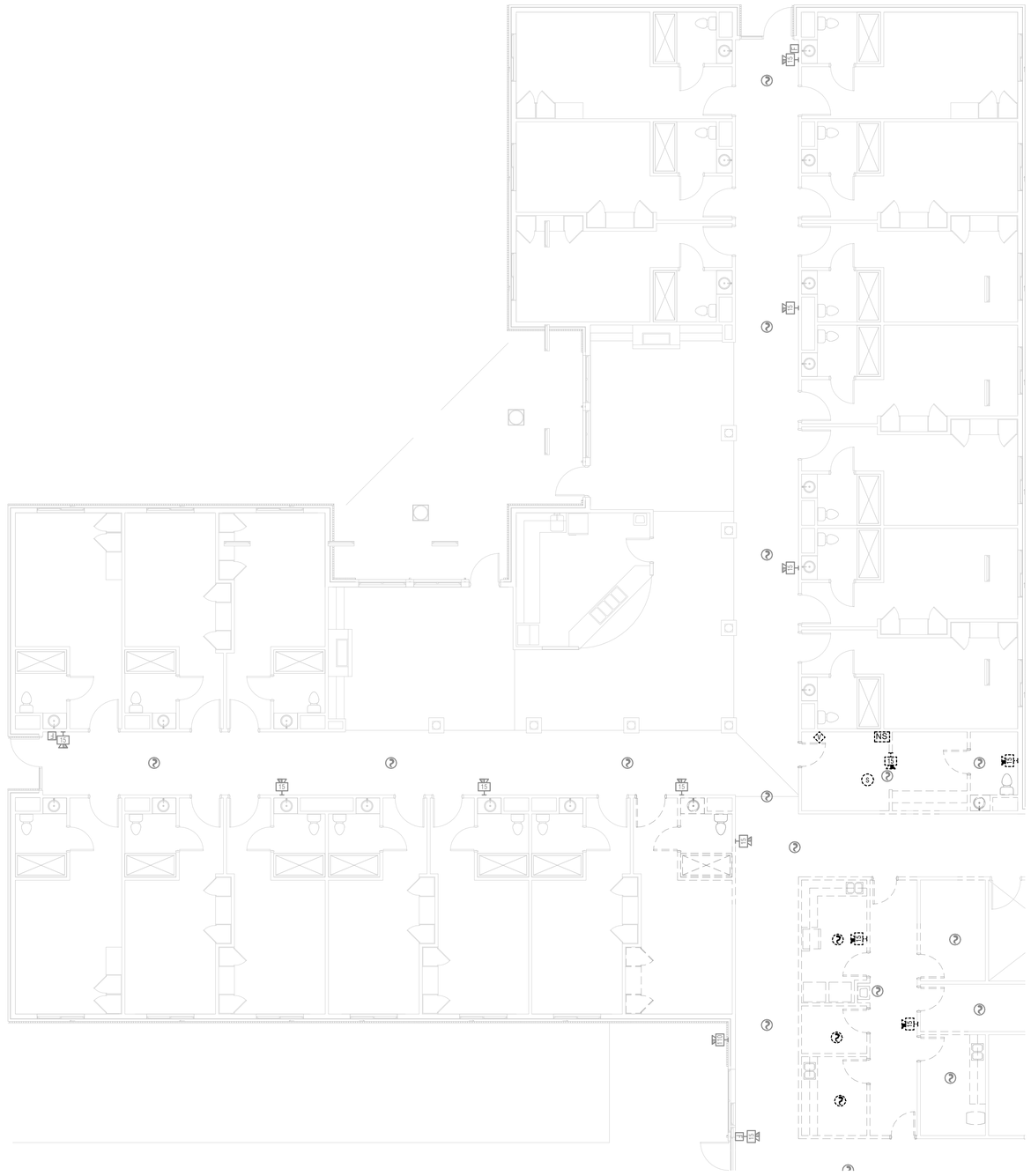
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sheet title:
LIGHTING DEMOLITION FLOOR PLANS

sheet number :

ED205

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1 PARTIAL ELECTRICAL FIRE PROTECTION DEMOLITION FLOOR PLAN
FD101 1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
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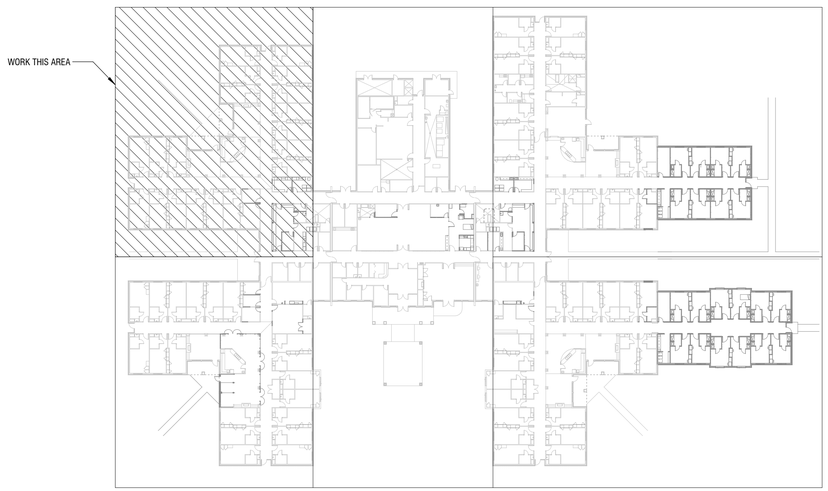
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D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 KEVIN M. HOWARD 2/02/26

AMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

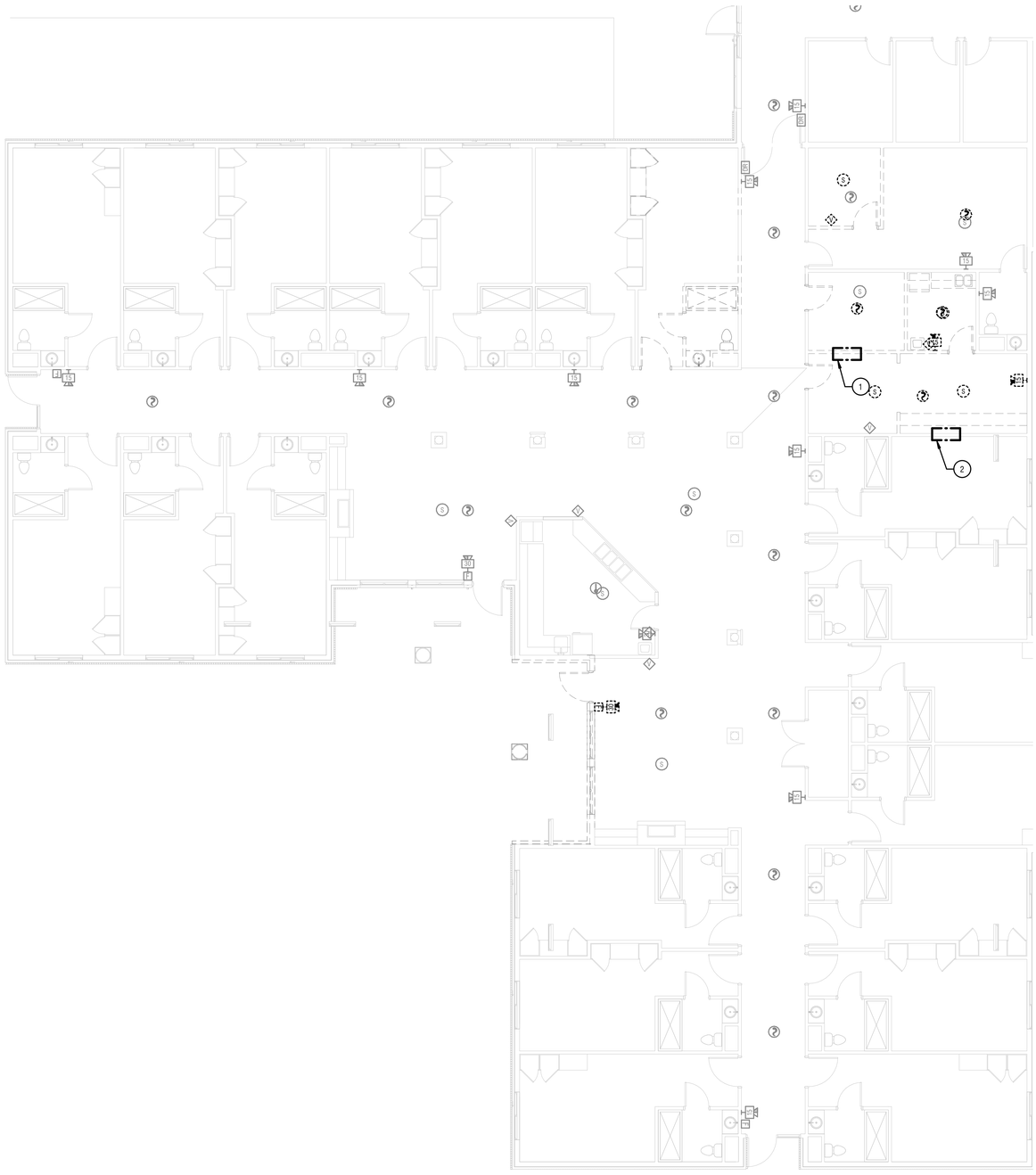
date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL FIRE ALARM DEMOLITION FLOOR PLANS

sheet number :

FD101

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1 PARTIAL ELECTRICAL FIRE PROTECTION DEMOLITION FLOOR PLAN
FD102 1/8" = 1'-0"

GENERAL DRAWING NOTES:

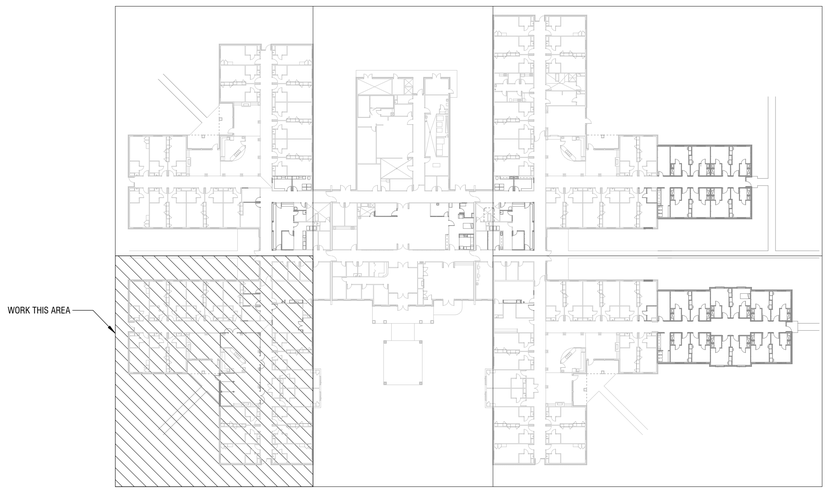
A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING DOOR SECURITY SWITCHES. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING EXIT ALARM PANELS. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.
B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.
D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.
F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.
G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



KEY PLAN

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architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

AMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

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commission: NH-3138

sheet title:
ELECTRICAL FIRE ALARM DEMOLITION FLOOR PLANS

sheet number :

FD102

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GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

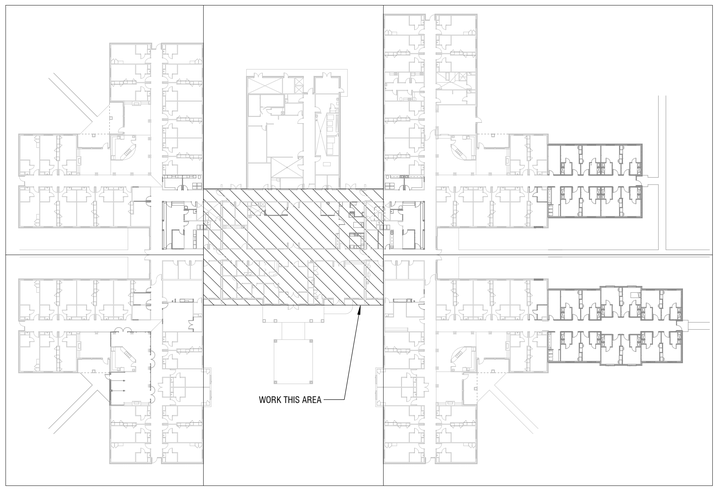
E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



1 FD103 PARTIAL ELECTRICAL FIRE PROTECTION DEMOLITION FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

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architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

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JAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

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commission: NH-3138

sheet title:
ELECTRICAL FIRE ALARM DEMOLITION FLOOR PLANS

sheet number :

FD103

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1 PARTIAL ELECTRICAL FIRE PROTECTION DEMOLITION FLOOR PLAN
FD104 1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
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KEYED NOTES:

1. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING DOOR SECURITY SWITCHES. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING EXIT ALARM PANELS. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
3. PROVIDE TEMPORARY FIRE ALARM DEVICE AS SHOWN. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.
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KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD
2/02/26

AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.
CERT. NO. 52904

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

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sheet title:
ELECTRICAL FIRE ALARM DEMOLITION FLOOR PLANS

sheet number :

FD104

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1 FD105 — PARTIAL ELECTRICAL FIRE PROTECTION DEMOLITION FLOOR PLAN
1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. NOT ALL EXISTING CIRCUITS ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN. CIRCUITS SHOWN ARE FROM RECORD DRAWINGS AND ARE NOT FEILD VERIFIED.

KEYED NOTES:

1. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING DOOR SECURITY SWITCHES. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
2. DISCONNECT, REMOVE, AND SAVE FOR RE-LOCATION EXISTING EXIT ALARM PANELS. SAVE ALL ASSOCIATED CIRCUITS FOR EXTENSION TO NEW LOCATION.
3. PROVIDE TEMPORARY FIRE ALARM DEVICE AS SHOWN. TO BE INSTALLED PRIOR TO BLOCKING EXISTING EGRESS PATH AND TO BE REMOVED AFTER NEW EGRESS PATH IS COMPLETE.

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, CONCEAL BY CUTTING AND PATCHING THE WALLS.

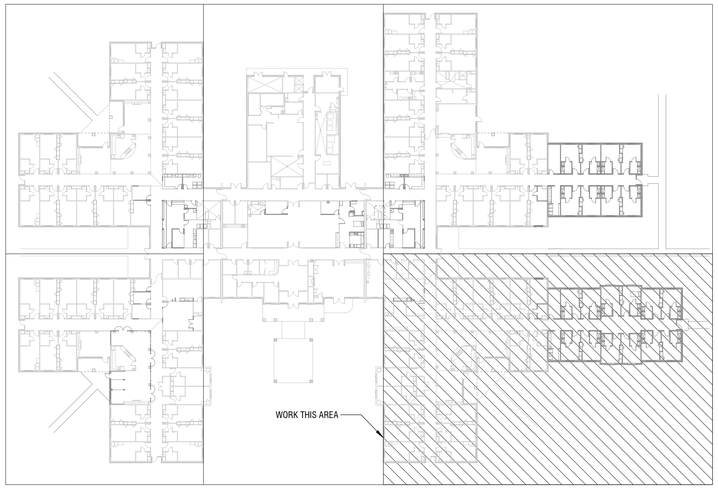
C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.



KEY PLAN

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architecture
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p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 KEVIN M. HOWARD
2/02/26

AMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

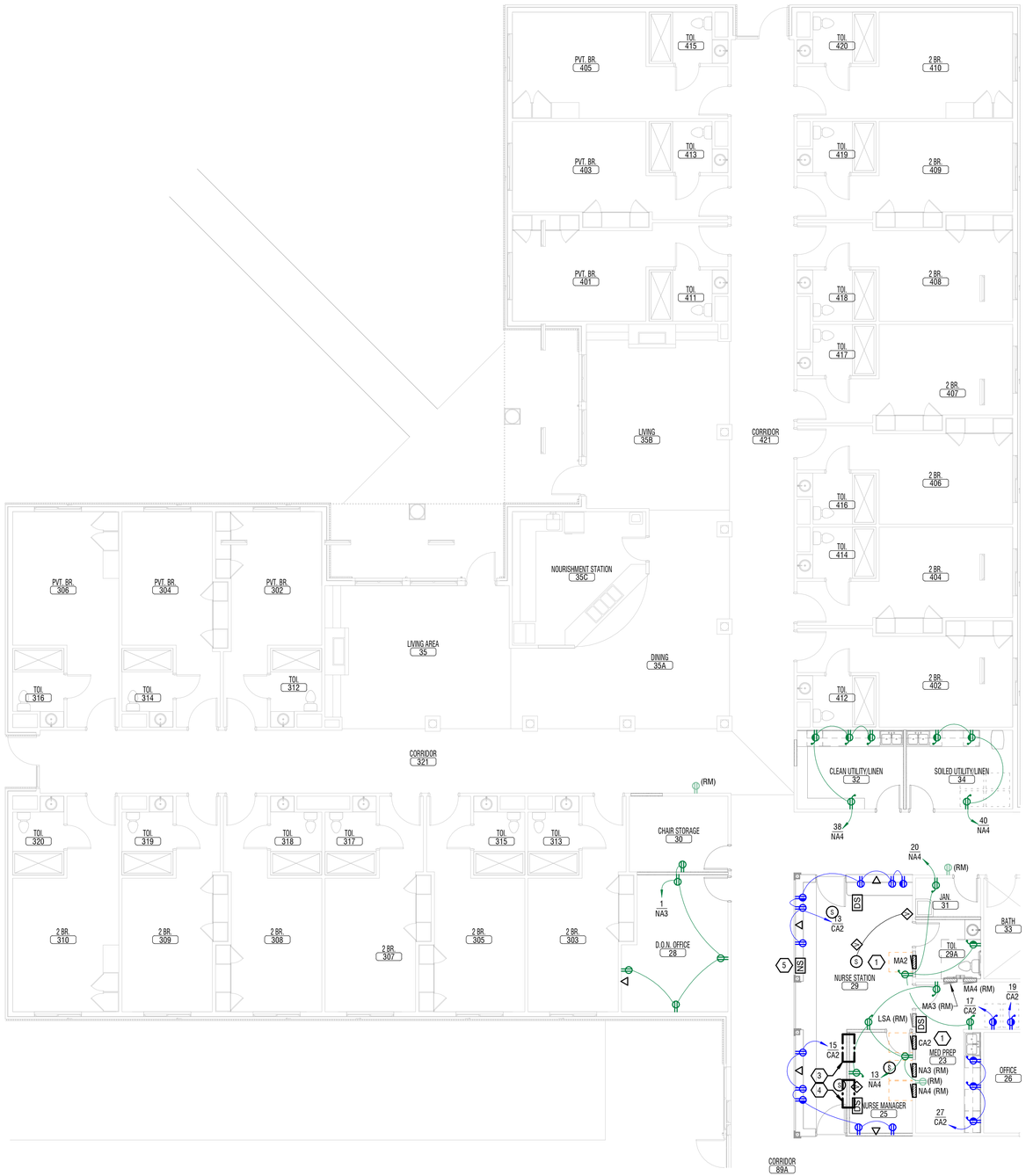
date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL FIRE ALARM DEMOLITION FLOOR PLANS

sheet number :

FD105

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1 E101 PARTIAL ELECTRICAL FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

KEYED NOTES:

1. PROVIDE NEW LOCKING PANELBOARD EQUAL TO EXISTING AND CONNECT ASSOCIATED SAVED CIRCUITS. EXTEND CIRCUITS AS NECESSARY AND PROVIDE SPLICE-BOX(S) AS REQUIRED.
2. DISCONNECT CIRCUITS AND RE-ORIENT PANELBOARD SUCH THAT THE ACCESS DOOR IS ACCESSABLE FROM MED PREP ROOM 23. RE-CONNECT CIRCUITS AFTER RE-INSTALLING PANELBOARD.
3. RE-LOCATE EXISTING DOOR SECURITY SWITCHES AND PA INTERFACE. RE-CONNECT SAVED ASSOCIATED CIRCUITS AND EXTEND TO NEW LOCATION.
4. RE-LOCATE EXISTING EXIT ALARM PANELS. RE-CONNECT SAVED ASSOCIATED CIRCUITS AND EXTEND TO NEW LOCATION.
5. RE-LOCATE EXISTING NURSE STATION. RE-CONNECT SAVED ASSOCIATED CIRCUITS AND EXTEND TO NEW LOCTION.

EXISTING CIRCUIT LOAD TABLE

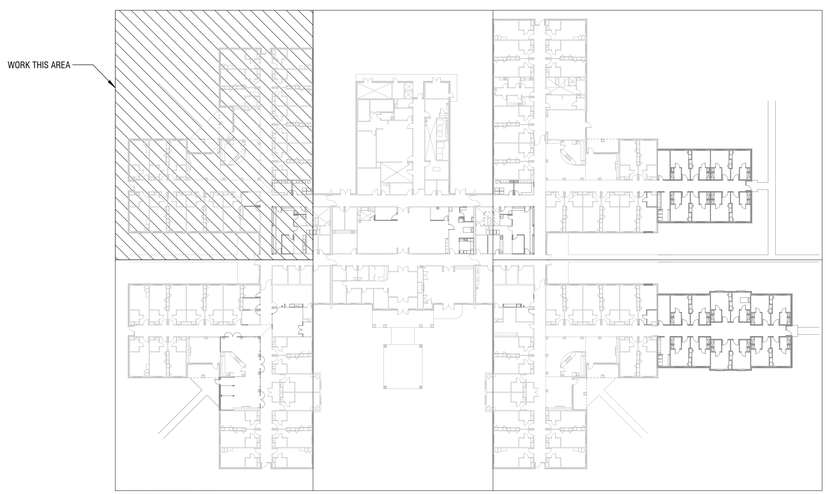
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
NA3-1	720 VA	720 VA	900 VA	900 VA
NA4-13	540 VA	360 VA	720 VA	900 VA
NA4-20	720 VA	540 VA	720 VA	900 VA
CA2-13	540 VA	540 VA	1080 VA	1080 VA
CA2-15	180 VA	180 VA	900 VA	900 VA
CA2-17	180 VA	180 VA	500 VA	500 VA
CA2-19	180 VA	180 VA	500 VA	500 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.
2. CONTRACTOR TO FIELD VERIFY EXACT NUMBER OF RECEPTACLES POWERED FROM EXISTING CIRCUIT. CONTRACTOR TO NOTIFY ENGINEER WHEN THE ADDITION OF NEW DEVICES WILL BRING THIS COUNT OVER 10.

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.
D. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
E. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
F. RECEPTACLES ON LIFE SAFETY AND CRITICAL BRANCHES SHALL BE OF A DISTINCTIVE COLOR (RED OR OTHER COLOR TO MATCH FACILITY'S EXISTING CRITICAL BRANCH DEVICES) PER NEC 517.31 (E).
G. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
H. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED TO PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
I. SEE CIRCUIT LOAD TABLE, THIS SHEET, FOR EXISTING CIRCUITS WITH NEW DEVICES ADDED.
J. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).
K. WHERE PANELS ARE BEING RELOCATED AND EXISTING WIRING EXTENDED, THE BONDING CONDUCTOR MUST BE CONTINUOUS BETWEEN EACH PANELBOARD AND IS ONLY PERMITTED TO BE BROKEN AT THE EQUIPMENT GROUND TERMINAL BUS IN EACH PANELBOARD PER NEC 517.14.

1



KEY PLAN

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architecture
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p. 4140704.6764 | www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD 2/02/26

CIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURE CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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Revisions

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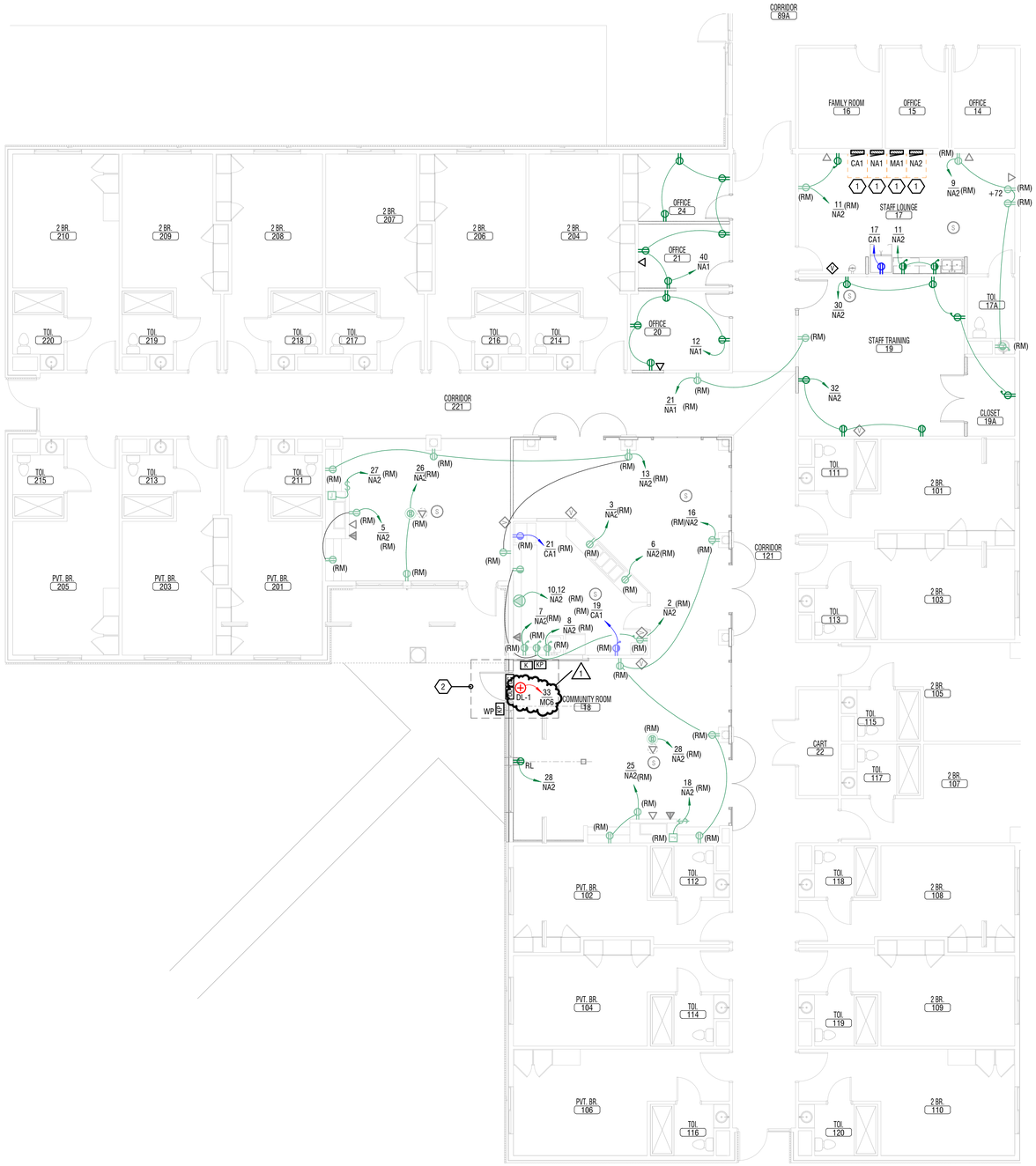
date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL FLOOR PLANS

sheet number :

E101

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1 E102 PARTIAL ELECTRICAL FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

KEYED NOTES:

1. PROVIDE NEW PANELBOARD EQUAL TO EXISTING AND CONNECT ASSOCIATED SAVED CIRCUITS. EXTEND CIRCUITS AS NECESSARY AND PROVIDE SPLICE-BOX(S) AS REQUIRED.
2. INSTALL EXISTING SAVED DEVICE. EXISTING DEVICE MAY BE RECONNECTED TO EXISTING CIRCUIT WHEN EXISTING CIRCUIT IS ON EQUIPMENT BRANCH. OTHERWISE, CONNECT TO CIRCUIT AS INDICATED ON PLANS.

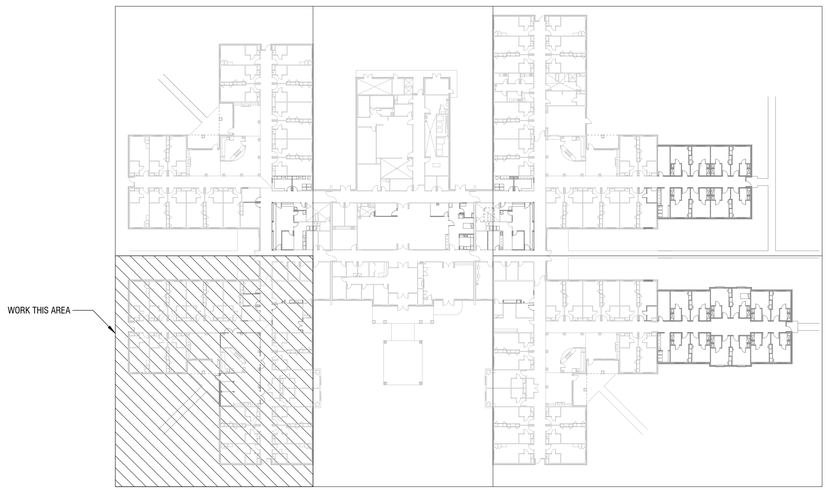
EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
CA1-17	180 VA	180 VA	180 VA	180 VA
NA1-12	720 VA	720 VA	720 VA	720 VA
NA2-11	540 VA	360 VA	540 VA	720 VA
NA2-28	540 VA	180 VA	180 VA	540 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.
2. CONTRACTOR TO FIELD VERIFY EXACT NUMBER OF RECEPTACLES POWERED FROM EXISTING CIRCUIT. CONTRACTOR TO NOTIFY ENGINEER WHEN THE ADDITION OF NEW DEVICES WILL BRING THIS COUNT OVER 10.

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.
D. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
E. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
F. RECEPTACLES ON LIFE SAFETY AND CRITICAL BRANCHES SHALL BE OF A DISTINCTIVE COLOR (RED OR OTHER COLOR TO MATCH FACILITY'S EXISTING CRITICAL BRANCH DEVICES) PER NEC 517.31 (E).
G. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
H. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED TO PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
I. SEE CIRCUIT LOAD TABLE, THIS SHEET, FOR EXISTING CIRCUITS WITH NEW DEVICES ADDED.
J. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).
K. WHERE PANELS ARE BEING RELOCATED AND EXISTING WIRING EXTENDED, THE BONDING CONDUCTOR MUST BE CONTINUOUS BETWEEN EACH PANELBOARD AND IS ONLY PERMITTED TO BE BROKEN AT THE EQUIPMENT GROUND TERMINAL BUS IN EACH PANELBOARD PER NEC 517.14.

1



KEY PLAN

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architecture
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CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

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CONSTRUCTION DOCUMENTS

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Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025

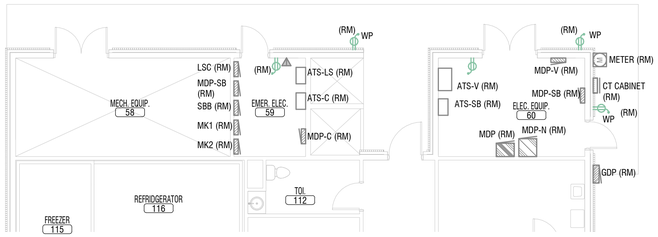
commission: NH-3138

sheet title:
ELECTRICAL FLOOR PLANS

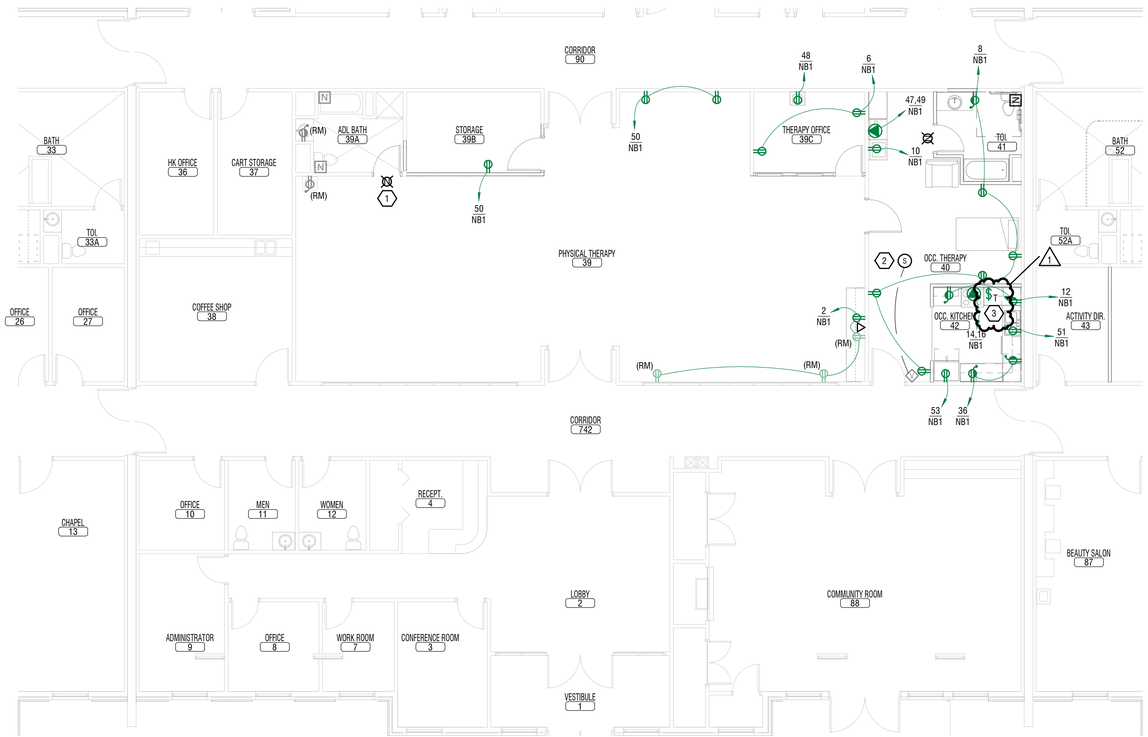
sheet number :

E102

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2 E103 PARTIAL ELECTRICAL FLOOR PLAN
1/8" = 1'-0"



1 E103 PARTIAL ELECTRICAL FLOOR PLAN
1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS DIRECTLY AFFECTED ARE SHOWN.
B. RESIDENTIAL COOKING EQUIPMENT IN OCCUPATIONAL KITCHEN SHALL BE INSTALLED IN ACCORDANCE WITH 2012 NFPA 101 18.3.2.5.4.

KEYED NOTES:

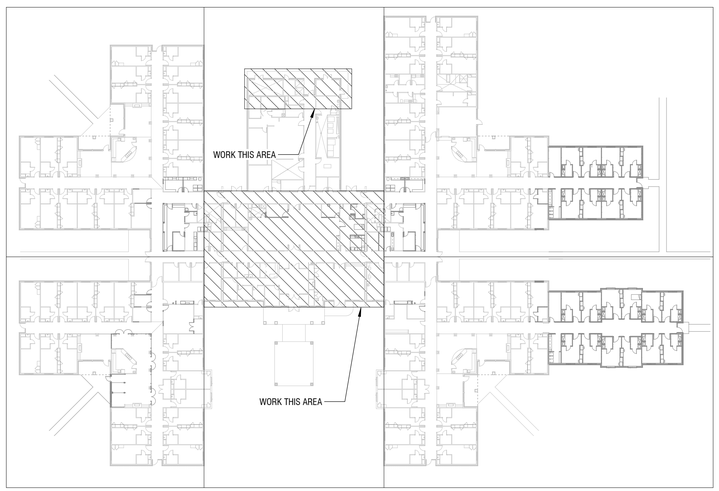
1. RELOCATE EXISTING NURSE CALL LIGHT OVER NEW DOOR. RECONNECT TO EXISTING SAVED CIRCUIT.
2. RELACTE EXISTING IN-CEILING SPEAKER AS SHOWN. RECONNECT TO EXISTING SAVED CIRCUIT.

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
NB1-2	540 VA	180 VA	180 VA	720 VA
NB1-6	540 VA	540 VA	360 VA	360 VA
NB1-8	540 VA	540 VA	1080 VA	1080 VA
NB1-10	500 VA	500 VA	1400 VA	1400 VA
NB1-12	500 VA	500 VA	360 VA	360 VA
NB1-36	720 VA	720 VA	360 VA	360 VA
NB1-51	360 VA	360 VA	1200 VA	1200 VA
NB1-53	360 VA	360 VA	800 VA	800 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.
2. CONTRACTOR TO FIELD VERIFY EXACT NUMBER OF RECEPTACLES POWERED FROM EXISTING CIRCUIT. CONTRACTOR TO NOTIFY ENGINEER WHEN THE ADDITION OF NEW DEVICES WILL BRING THIS COUNT OVER 10.

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.
D. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
E. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
F. RECEPTACLES ON LIFE SAFETY AND CRITICAL BRANCHES SHALL BE OF A DISTINCTIVE COLOR (RED OR OTHER COLOR TO MATCH FACILITY'S EXISTING CRITICAL BRANCH DEVICES) PER NEC 517.31 (E).
G. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
H. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED TO PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
I. SEE CIRCUIT LOAD TABLE, THIS SHEET, FOR EXISTING CIRCUITS WITH NEW DEVICES ADDED.
J. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).
K. WHERE PANELS ARE BEING RELOCATED AND EXISTING WIRING EXTENDED, THE BONDING CONDUCTOR MUST BE CONTINUOUS BETWEEN EACH PANELBOARD AND IS ONLY PERMITTED TO BE BROKEN AT THE EQUIPMENT GROUND TERMINAL BUS IN EACH PANELBOARD PER NEC 517.14.



KEY PLAN

STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 | www.STUDIO-WALES.com

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 045398 KEVIN M. HOWARD 2/02/26

CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

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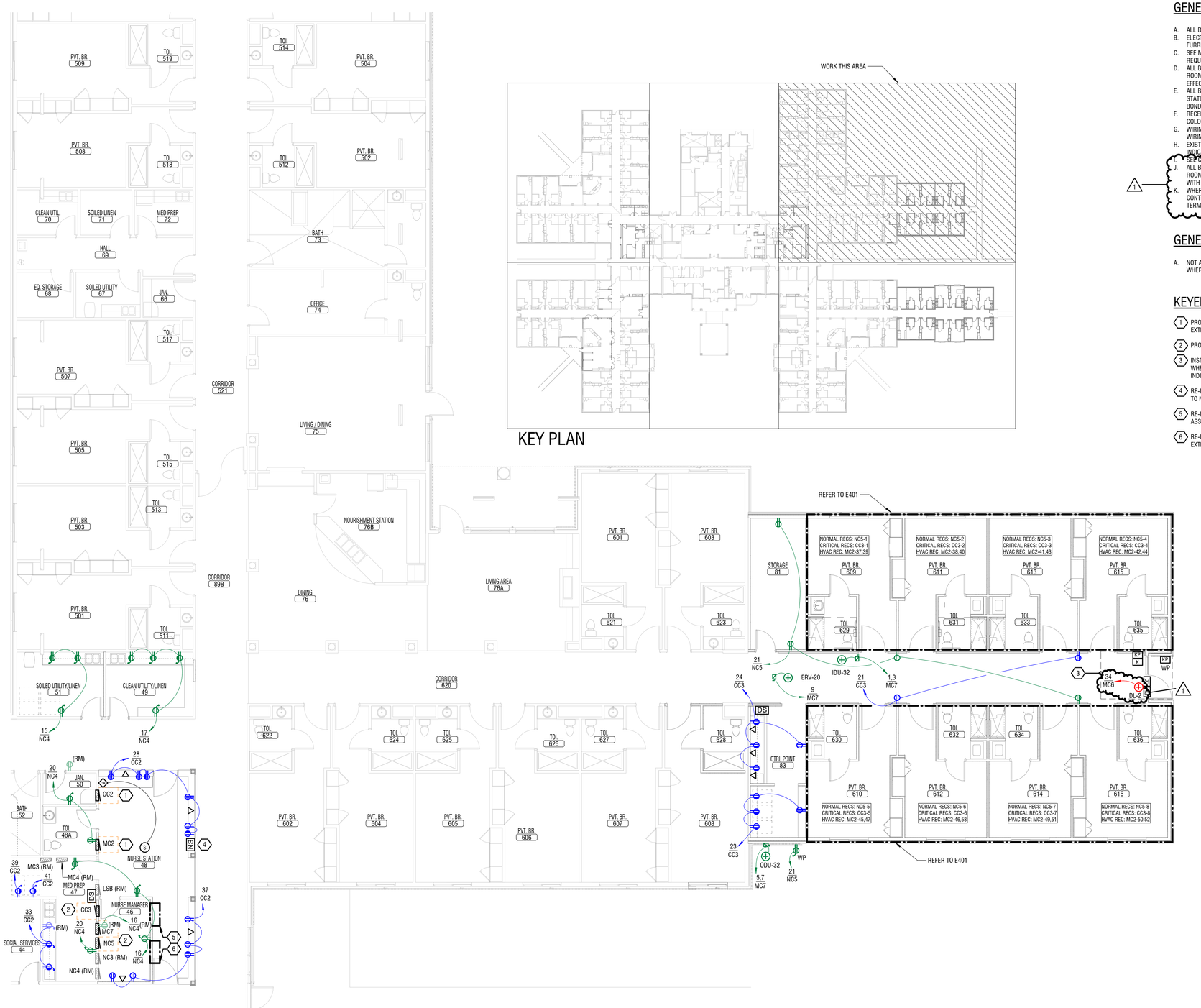
No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL FLOOR PLANS

sheet number:
E103

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1 E104 PARTIAL ELECTRICAL FLOOR PLAN

1/8" = 1'-0"

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.
D. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
E. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
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G. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
H. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED TO PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
I. SEE CIRCUIT LOAD TABLE, THIS SHEET, FOR EXISTING CIRCUITS WITH NEW DEVICES ADDED.
J. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICNE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).
K. WHERE PANELS ARE BEING RELOCATED AND EXISTING WIRING EXTENDED, THE BONDING CONDUCTOR MUST BE CONTINUOUS BETWEEN EACH PANELBOARD AND IS ONLY PERMITTED TO BE BROKEN AT THE EQUIPMENT GROUND TERMINAL BUS IN EACH PANELBOARD PER NEC 517.14.

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

KEYED NOTES:

1. PROVIDE NEW PANELBOARD EQUAL TO EXISTING AND CONNECT ASSOCIATED SAVED CIRCUITS. EXTEND CIRCUITS AS NECESSARY AND PROVIDE SPLICE-BOX(S) AS REQUIRED.
2. PROVIDE NEW PANELBOARD AND CONNECT TO NEW CIRCUITS. REFER TO PANEL SCHEDULE.
3. INSTALL EXISTING SAVED DEVICE. EXISTING DEVICE MAY BE RECONNECTED TO EXISTING CIRCUIT WHEN EXISTING CIRCUIT IS ON EQUIPMENT BRANCH. OTHERWISE, CONNECT TO CIRCUIT AS INDICATED ON PLANS.
4. RE-LOCATE EXISTING NURSE STATION. RE-CONNECT SAVED ASSOCIATED CIRCUITS AND EXTEND TO NEW LOCTION.
5. RE-LOCATE EXISTING DOOR SECURITY SWITCHES AND PA INTERFACE. RE-CONNECT SAVED ASSOCIATED CIRCUITS AND EXTEND TO NEW LOCATION.
6. RE-LOCATE EXISTING EXIT ALARM PANELS. RE-CONNECT SAVED ASSOCIATED CIRCUITS AND EXTEND TO NEW LOCATION.

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
CC2-28	540 VA	540 VA	1080 VA	1080 VA
CC2-37	180 VA	180 VA	900 VA	900 VA
CC2-39	180 VA	180 VA	500 VA	500 VA
CC2-41	180 VA	180 VA	500 VA	500 VA
NC4-16	540 VA	360 VA	900 VA	1080 VA
NC4-20	540 VA	180 VA	540 VA	900 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.
2. CONTRACTOR TO FIELD VERIFY EXACT NUMBER OF RECEPTACLES POWERED FROM EXISTING CIRCUIT. CONTRACTOR TO NOTIFY ENGINEER WHEN THE ADDITION OF NEW DEVICES WILL BRING THIS COUNT OVER 10.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 WILLIAM M. HOWARD 2/02/26

CAMELLA ASSOCIATES, P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

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date: 02/18/2025
commission: NH-3138

sheet title:
ELECTRICAL FLOOR PLANS

sheet number :
E104

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GENERAL DRAWING NOTES:

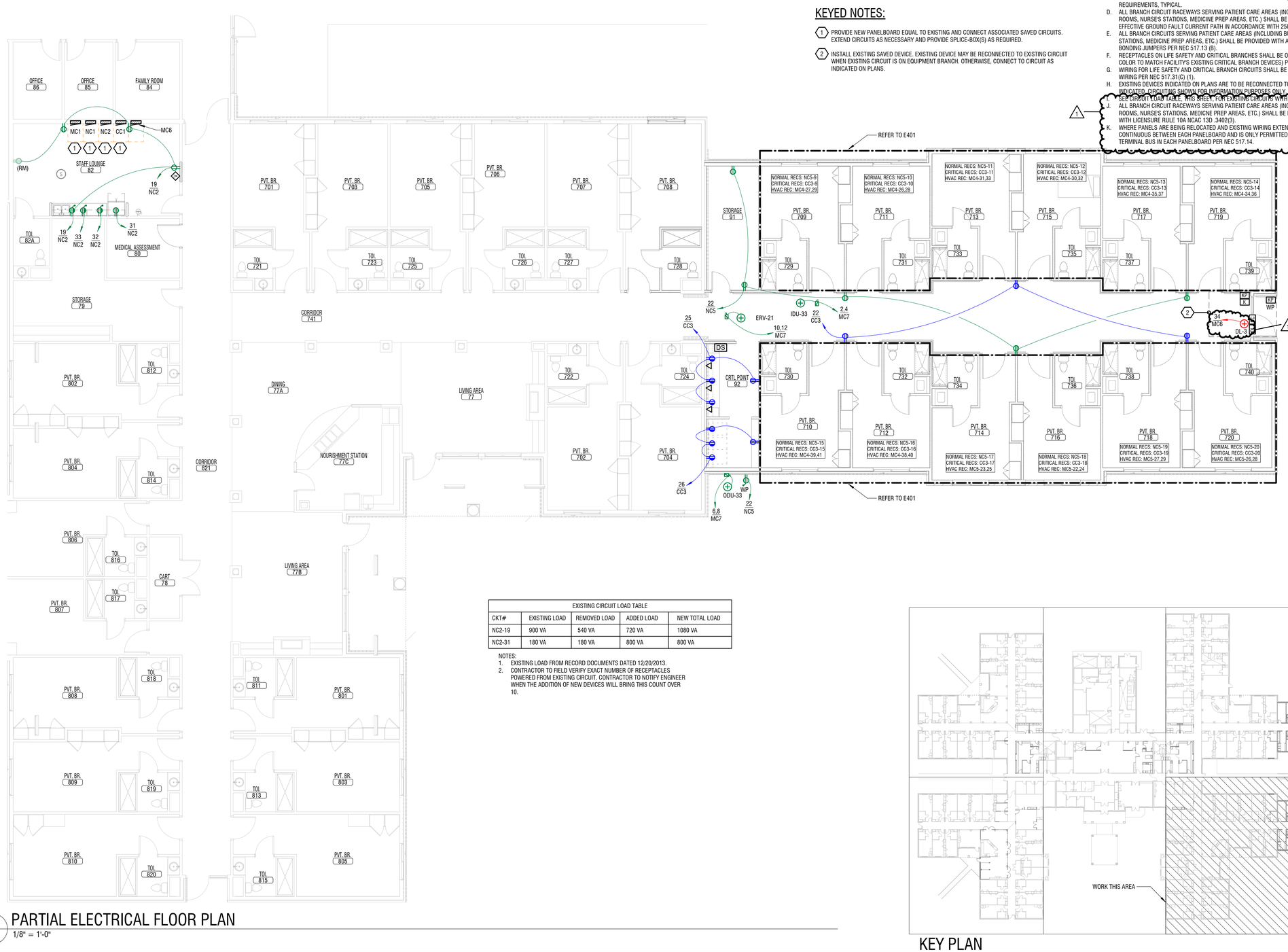
A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

KEYED NOTES:

1. PROVIDE NEW PANELBOARD EQUAL TO EXISTING AND CONNECT ASSOCIATED SAVED CIRCUITS. EXTEND CIRCUITS AS NECESSARY AND PROVIDE SPLICE-BOX(S) AS REQUIRED.
2. INSTALL EXISTING SAVED DEVICE. EXISTING DEVICE MAY BE RECONNECTED TO EXISTING CIRCUIT WHEN EXISTING CIRCUIT IS ON EQUIPMENT BRANCH. OTHERWISE, CONNECT TO CIRCUIT AS INDICATED ON PLANS.

GENERAL INSTALLATION NOTES:

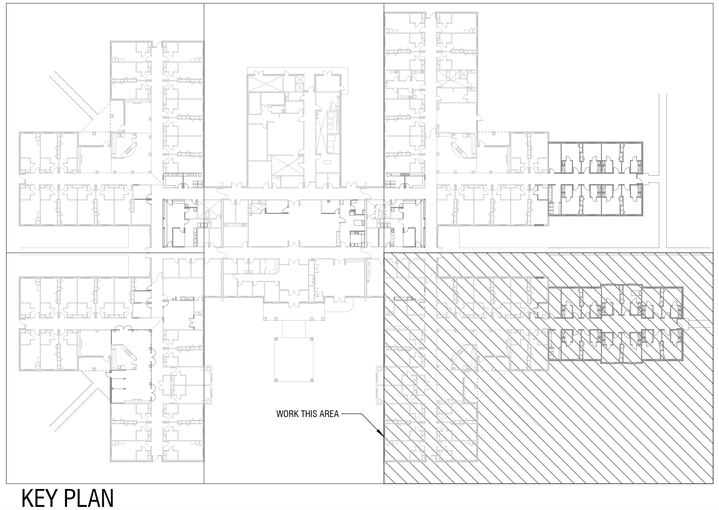
A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.
D. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
E. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
F. RECEPTACLES ON LIFE SAFETY AND CRITICAL BRANCHES SHALL BE OF A DISTINCTIVE COLOR (RED OR OTHER COLOR TO MATCH FACILITY'S EXISTING CRITICAL BRANCH DEVICES) PER NEC 517.31 (E).
G. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
H. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED TO PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
I. SEE CIRCUIT LOAD TABLE, THIS SHEET, FOR EXISTING CIRCUITS WITH NEW DEVICES ADDED.
J. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).
K. WHERE PANELS ARE BEING RELOCATED AND EXISTING WIRING EXTENDED, THE BONDING CONDUCTOR MUST BE CONTINUOUS BETWEEN EACH PANELBOARD AND IS ONLY PERMITTED TO BE BROKEN AT THE EQUIPMENT GROUND TERMINAL BUS IN EACH PANELBOARD PER NEC 517.14.



EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
NC2-19	900 VA	540 VA	720 VA	1080 VA
NC2-31	180 VA	180 VA	800 VA	800 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.
2. CONTRACTOR TO FIELD VERIFY EXACT NUMBER OF RECEPTACLES POWERED FROM EXISTING CIRCUIT. CONTRACTOR TO NOTIFY ENGINEER WHEN THE ADDITION OF NEW DEVICES WILL BRING THIS COUNT OVER 10.

1 E105 PARTIAL ELECTRICAL FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 ENGINEER MARK M. HOWARD 2/02/26

CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

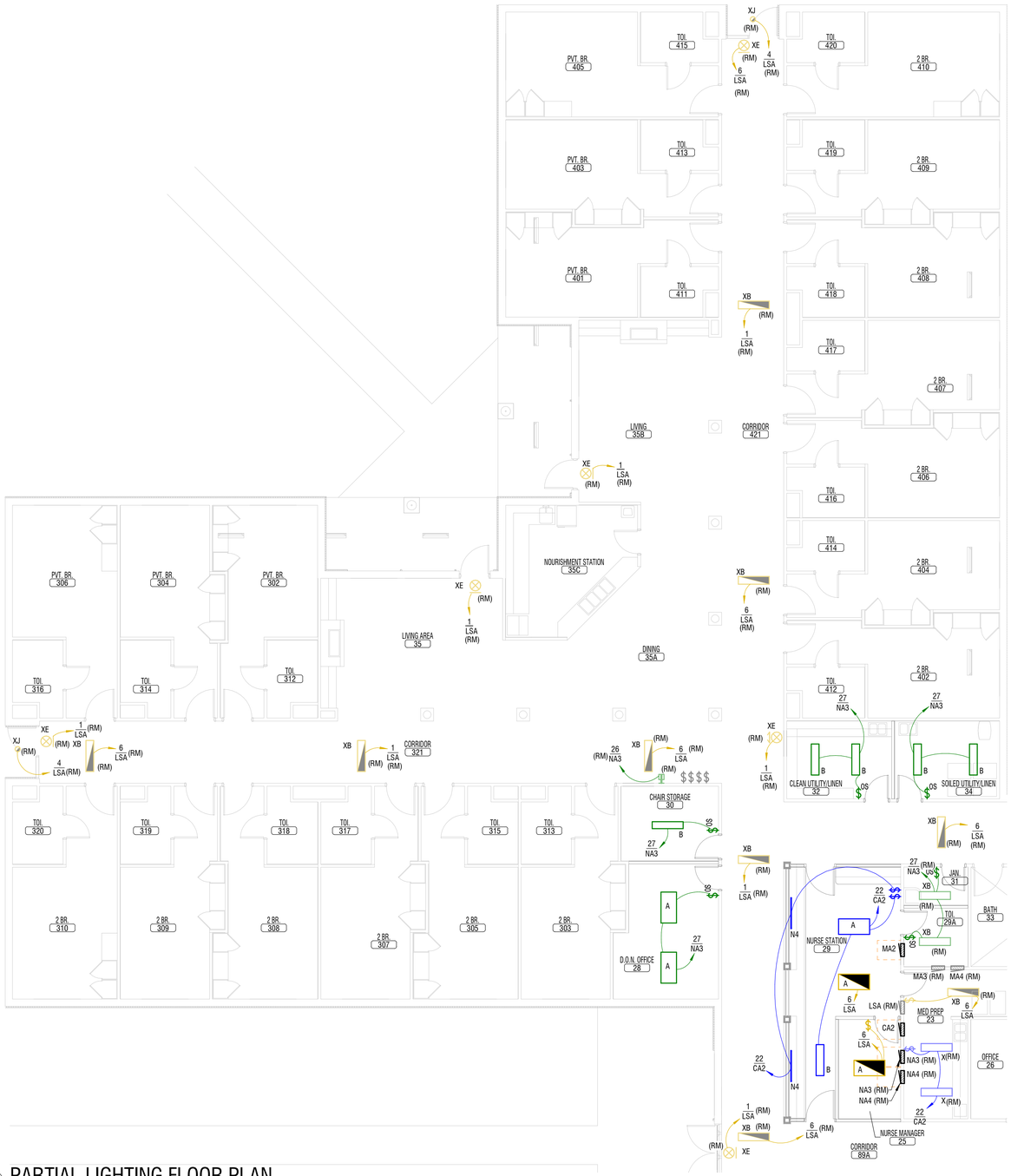
date: 02/18/2025

commission: NH-3138

sheet title:
ELECTRICAL FLOOR PLANS

sheet number:

E105



2 E201 PARTIAL LIGHTING FLOOR PLAN

1/8" = 1'-0"

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

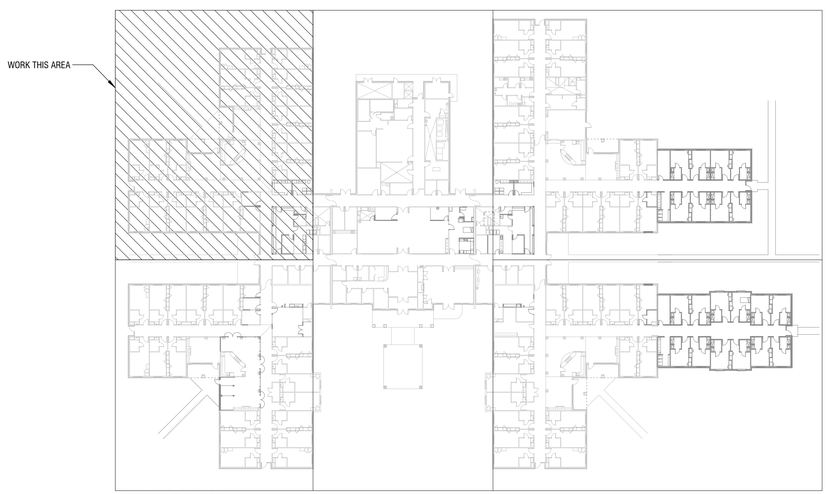
GENERAL INSTALLATION NOTES:

A. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
B. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TOPATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
C. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
D. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
E. SECURE (TAG) AND, THEREAFTER, RE-ENERGIZE CIRCUITS WITH NEW DEVICES ADDED.
F. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).

1

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
CA2-22	1452 VA	756 VA	124 VA	820 VA
LSA-6	1070 VA	9 VA	100 VA	1161 VA
NA3-27	1405 VA	400 VA	260 VA	1265 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.



KEY PLAN

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AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

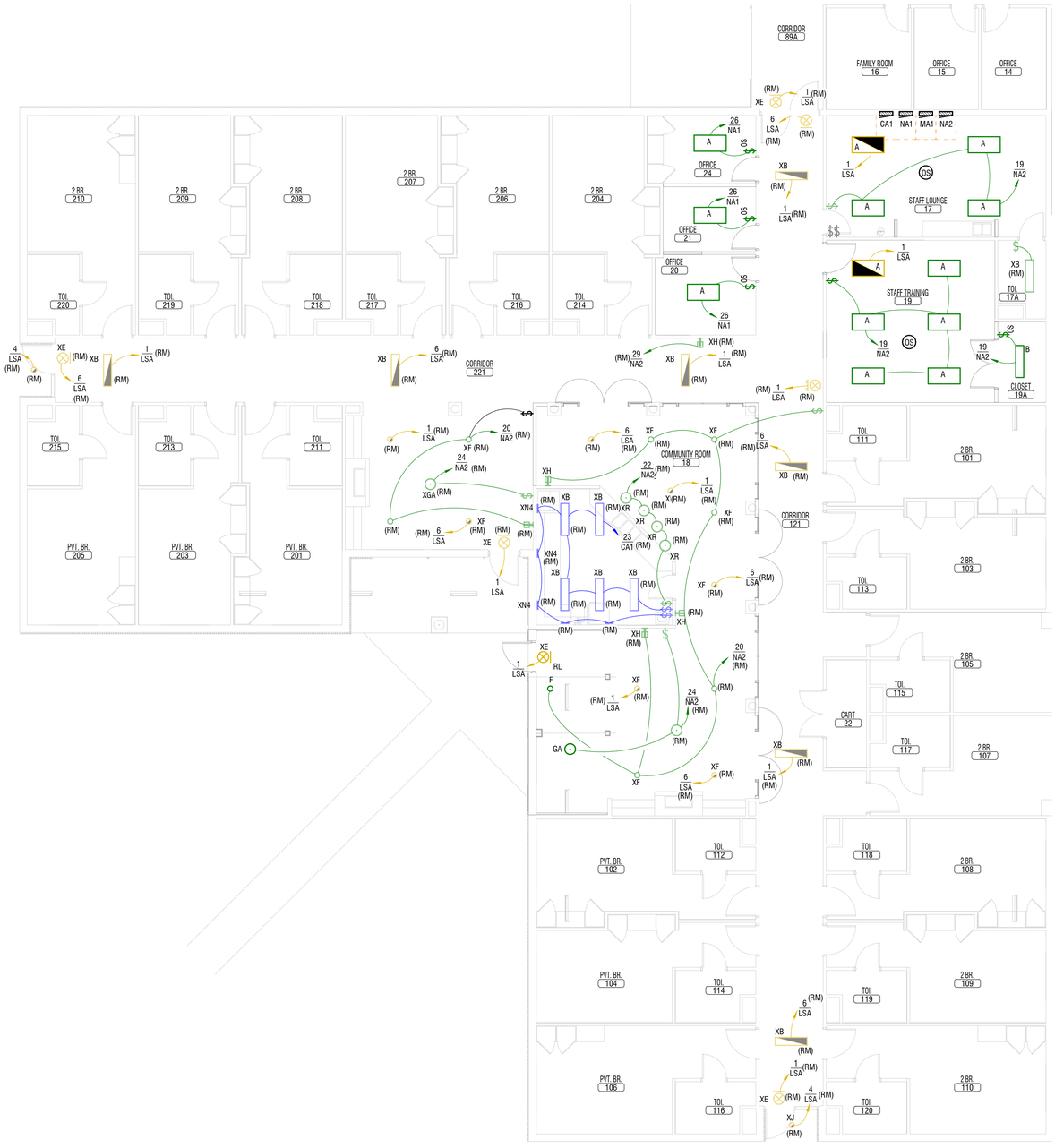
date: 02/18/2025
commission: NH-3138

sheet title:
LIGHTING FLOOR PLANS

sheet number :

E201

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GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

GENERAL INSTALLATION NOTES:

A. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
B. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TOPATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
C. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
D. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
E. SEE DETAIL 1/E202 FOR EXISTING CIRCUITS WITH NEW DEVICES NOTED.
F. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).

1

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
LSA-1	942 VA	9 VA	100 VA	1033 VA
NA1-26	1405 VA	342 VA	150 VA	1213 VA
NA2-19	1004 VA	290 VA	432 VA	1146 VA
NA2-24	600 VA	0 VA	30 VA	630 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.

1 E202 PARTIAL LIGHTING FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

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SIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURE CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

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CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions		
No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
LIGHTING FLOOR PLANS

sheet number :
E202

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

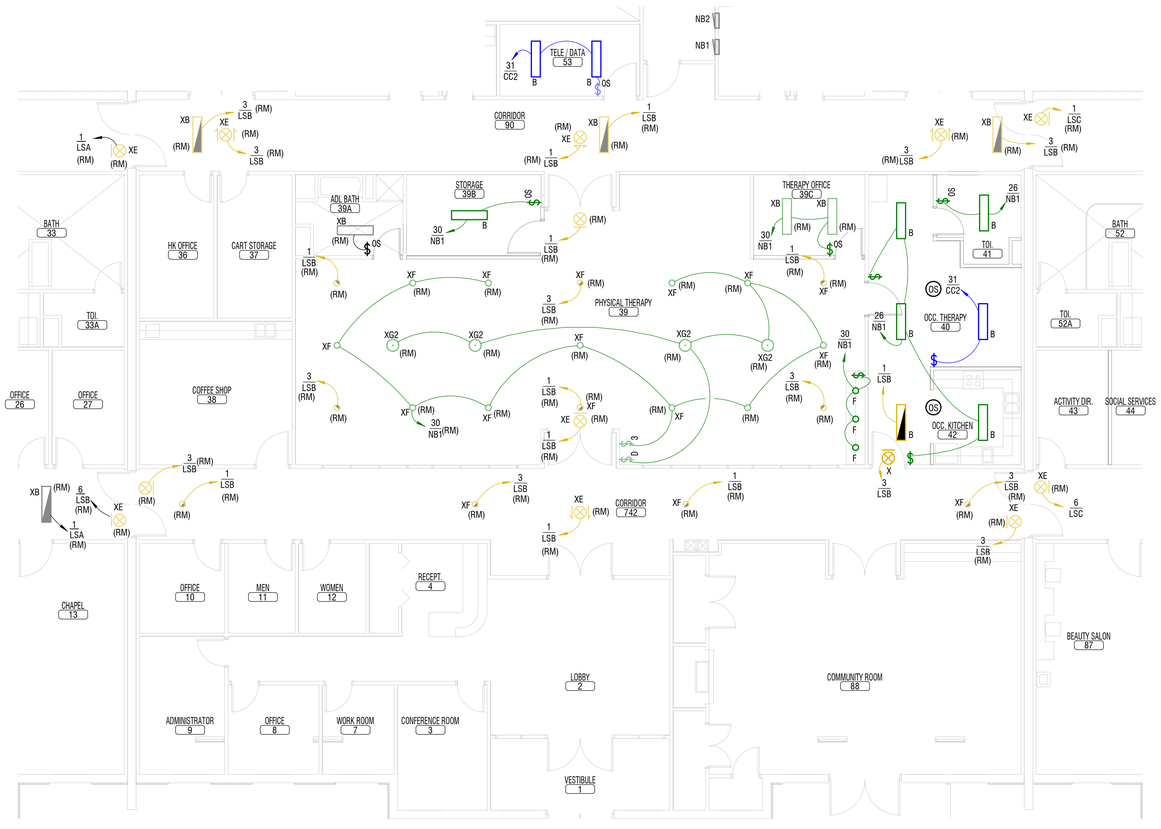
GENERAL INSTALLATION NOTES:

A. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
B. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TOPATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
C. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
D. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
E. SEE DEMOLITION PLANS FOR EXISTING CIRCUITS WITH NEW DEVICES NOTED.
F. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICNE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).

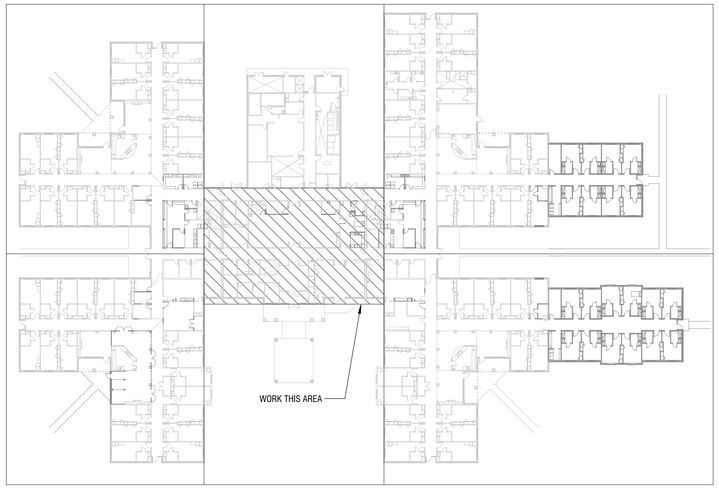
1

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
CC2-31	986 VA	0 VA	96 VA	1082 VA
LSB-1	772 VA	0 VA	32 VA	804 VA
LSB-3	956 VA	0 VA	5 VA	961 VA
NB1-26	928 VA	580 VA	128 VA	476 VA
NB1-30	1082 VA	258 VA	101 VA	925 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.



1 / E203 PARTIAL LIGHTING FLOOR PLAN
1/8" = 1'-0"



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SIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C. CERT. NO. 52904

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CONSTRUCTION DOCUMENTS
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1	DHSR COMMENTS	01/30/26

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LIGHTING FLOOR PLANS

sheet number :
E203

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GENERAL INSTALLATION NOTES:

A. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
B. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TOPATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR AND BONDING JUMPERS PER NEC 517.13 (B).
C. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
D. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
E. SEE CIRCUITING TABLE THIS SHEET FOR EXISTING CIRCUITS WITH NEW DEVICES ADDED.
F. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICNE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).

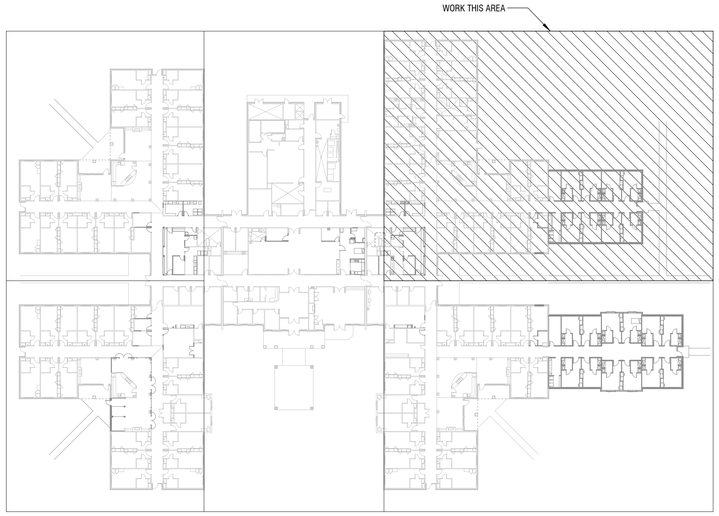
1

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
CC2-31	986 VA	522 VA	106 VA	570 VA
LSC-1	1206 VA	9 VA	32 VA	1229 VA
LSC-6	1000 VA	62.5 VA	165 VA	1102.5 VA

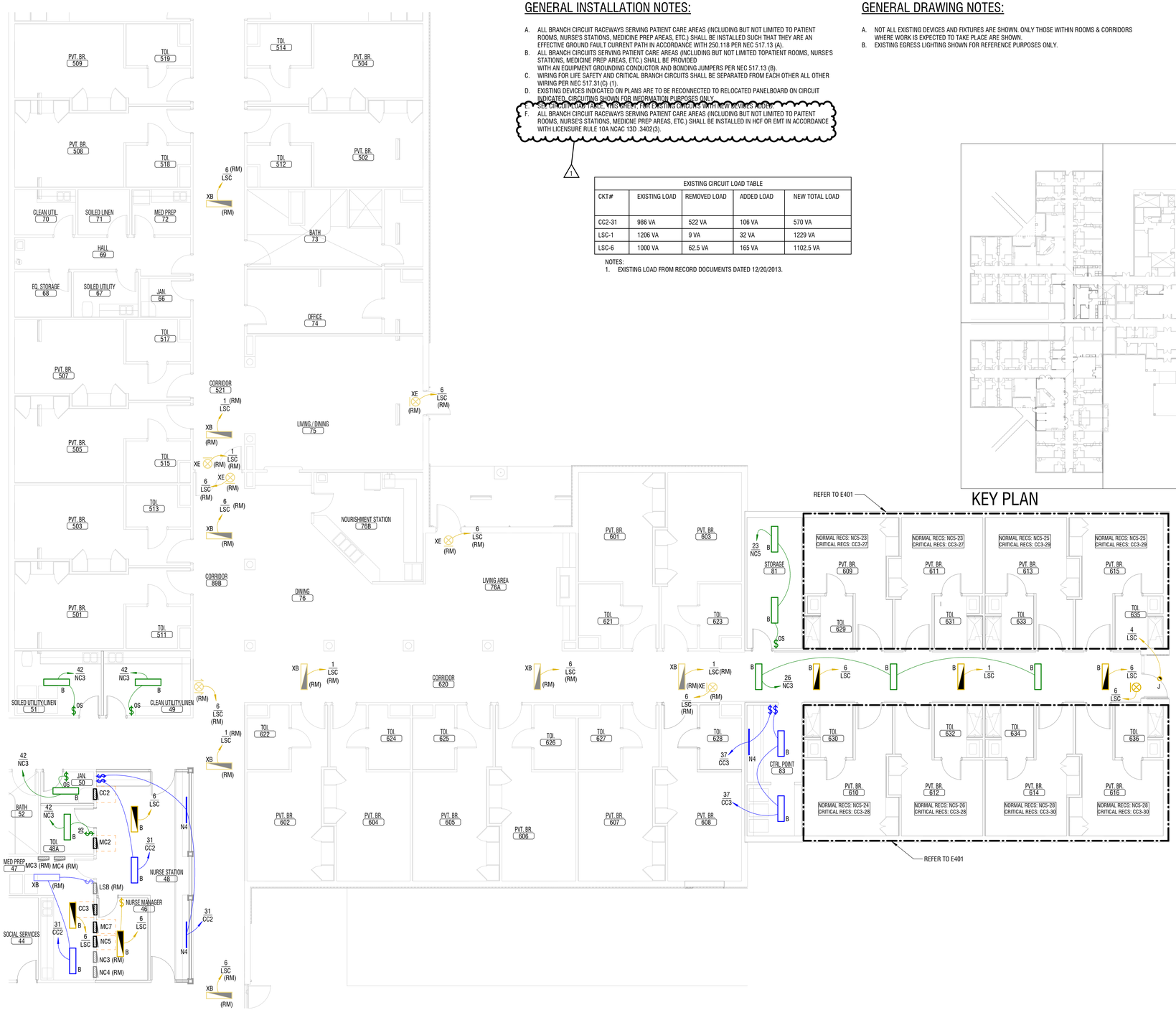
NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.



KEY PLAN



1 E204 PARTIAL LIGHTING FLOOR PLAN
1/8" = 1'-0"

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CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

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CONSTRUCTION DOCUMENTS
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E204

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.
B. EXISTING EGRESS LIGHTING SHOWN FOR REFERENCE PURPOSES ONLY.

GENERAL INSTALLATION NOTES:

A. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PATIENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED SUCH THAT THEY ARE AN EFFECTIVE GROUND FAULT CURRENT PATH IN ACCORDANCE WITH 250.118 PER NEC 517.13 (A).
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C. WIRING FOR LIFE SAFETY AND CRITICAL BRANCH CIRCUITS SHALL BE SEPARATED FROM EACH OTHER ALL OTHER WIRING PER NEC 517.31(C) (1).
D. EXISTING DEVICES INDICATED ON PLANS ARE TO BE RECONNECTED TO RELOCATED PANELBOARD ON CIRCUIT INDICATED. CIRCUITING SHOWN FOR INFORMATION PURPOSES ONLY.
E. SEE CONTRACT DRAWINGS FOR EXISTING CIRCUITS WITH NEW DEVICES NOTED.
F. ALL BRANCH CIRCUIT RACEWAYS SERVING PATIENT CARE AREAS (INCLUDING BUT NOT LIMITED TO PAITENT ROOMS, NURSE'S STATIONS, MEDICINE PREP AREAS, ETC.) SHALL BE INSTALLED IN HCF OR EMT IN ACCORDANCE WITH LICENSURE RULE 10A NCAC 13D .3402(3).

1

REFER TO E401

REFER TO E401

EXISTING CIRCUIT LOAD TABLE				
CKT#	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW TOTAL LOAD
LSC-1	1206 VA	0 VA	119 VA	1325 VA
LSC-3	400 VA	50 VA	10 VA	360 VA
LSC-6	1000 VA	0 VA	32 VA	1032 VA
NC2-24	522 VA	348 VA	246 VA	420 VA

NOTES:
1. EXISTING LOAD FROM RECORD DOCUMENTS DATED 12/20/2013.

1 E205 PARTIAL LIGHTING FLOOR PLAN
1/8" = 1'-0"

KEY PLAN

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CONSTRUCTION DOCUMENTS

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LIGHTING FLOOR PLANS

sheet number :
E205

FIRE ALARM, GAS DETECTION, & MASS NOTIFICATION DEVICES

- HEAT DETECTOR, COMBINATION RATE OF RISE/FIXED 135°F, CEILING MOUNT ('R' INDICATES RATE OF RISE TEMPERATURE SENSOR, 'F' INDICATES FIXED TEMPERATURE SENSOR, 'R/F' INDICATES COMBINATION RATE OF RISE & FIXED TEMPERATURE SENSOR)
- SMOKE DETECTOR, CEILING MOUNTED
- SMOKE DETECTOR, WALL MOUNTED
- AHU-1 RETURN — SMOKE DETECTOR, INSTALLED IN DUCTWORK - MECHANICAL UNIT INDICATED
- BT — SMOKE DETECTOR, PROJECTED BEAM TYPE, TRANSMITTER, HEIGHT AS NOTED
- BR — SMOKE DETECTOR, PROJECTED BEAM TYPE, RECEIVER, HEIGHT AS NOTED
- CO — GAS DETECTOR, CEILING MOUNTED (CO = CARBON MONOXIDE, NG = NATURAL GAS)
- CO — GAS DETECTOR, WALL MOUNTED (CO = CARBON MONOXIDE 60" AFF, NG = NATURAL GAS 18" BELOW CEILING)
- MASS NOTIFICATION HORN/STROBE, 90dB, 75cd STROBE INTENSITY UNLESS OTHERWISE NOTED, WALL MOUNTED 18" BELOW CEILING
  - SA = SECURITY ALERT; WHITE HOUSING, BLUE LENS, 'SEC ALERT' LABEL IN RED.
  - MN = MASS NOTIFICATION ALERT; WHITE HOUSING, AMBER LENS, 'ALERT' LABEL IN RED.
  - CO = CARBON MONOXIDE; WHITE HOUSING, RED LENS, 'CO ALARM' LABELING
  - NG = NATURAL GAS; WHITE HOUSING, GREEN LENS, 'NG ALARM' LABELING
- MASS NOTIFICATION HORN/STROBE, 90dB, 75cd STROBE INTENSITY UNLESS OTHERWISE NOTED, CEILING MOUNTED
  - SA = SECURITY ALERT; WHITE HOUSING, BLUE LENS, 'SEC ALERT' LABEL IN RED.
  - MN = MASS NOTIFICATION ALERT; WHITE HOUSING, AMBER LENS, 'ALERT' LABEL IN RED.
  - CO = CARBON MONOXIDE; WHITE HOUSING, RED LENS, 'CO ALARM' LABELING
  - NG = NATURAL GAS; WHITE HOUSING, GREEN LENS, 'NG ALARM' LABELING
- MASS NOTIFICATION STROBE, 75cd STROBE INTENSITY UNLESS OTHERWISE NOTED, WALL MOUNTED 18" BELOW CEILING
  - SA = SECURITY ALERT; WHITE HOUSING, BLUE LENS, 'SEC ALERT' LABEL IN RED.
  - MN = MASS NOTIFICATION ALERT; WHITE HOUSING, AMBER LENS, 'ALERT' LABEL IN RED.
  - CO = CARBON MONOXIDE; WHITE HOUSING, RED LENS, 'CO ALARM' LABELING
  - NG = NATURAL GAS; WHITE HOUSING, GREEN LENS, 'NG ALARM' LABELING
- MASS NOTIFICATION STROBE, 75cd STROBE INTENSITY UNLESS OTHERWISE NOTED, CEILING MOUNTED
  - SA = SECURITY ALERT; WHITE HOUSING, BLUE LENS, 'SEC ALERT' LABEL IN RED.
  - MN = MASS NOTIFICATION ALERT; WHITE HOUSING, AMBER LENS, 'ALERT' LABEL IN RED.
  - CO = CARBON MONOXIDE; WHITE HOUSING, RED LENS, 'CO ALARM' LABELING
  - NG = NATURAL GAS; WHITE HOUSING, GREEN LENS, 'NG ALARM' LABELING
- MN — MASS NOTIFICATION MANUAL PULL STATION, 44" AFF UNLESS NOTED OTHERWISE
- FH — FIRE ALARM HORN, 90 dB, WALL MOUNTED 18" BELOW CEILING
- FH — FIRE ALARM HORN, 90 dB, CEILING MOUNTED
- FS — FIRE ALARM EMERGENCY VOICE/ALARM SPEAKER, FLUSH CEILING MOUNTED
- FS — FIRE ALARM EMERGENCY VOICE/ALARM SPEAKER, FLUSH WALL MOUNTED
- WSN — FIRE ALARM STROBE LIGHT, WALL MOUNTED, MIN 80"/ MAX 96" AFF (# INDICATES CANDELA RATING)
- CL — FIRE ALARM STROBE LIGHT, CEILING MOUNTED (# INDICATES CANDELA RATING)
- FH — FIRE ALARM HORN/STROBE, 90 dB, WALL MOUNTED, MIN 80"/ MAX 96" AFF (# INDICATES CANDELA RATING)
- FH — FIRE ALARM HORN/STROBE, 90 dB, CEILING MOUNTED (# INDICATES CANDELA RATING)

- F — FIRE ALARM MANUAL PULL STATION, 44" AFF UNLESS NOTED OTHERWISE
- SD — FIRE ALARM CONNECTION TO SMOKE DAMPER, PROVIDE ADDRESSABLE RELAY
- RTS — DUCT SMOKE DETECTOR REMOTE TEST STATION WITH INDICATOR LIGHT, 44" AFF
- DR — FIRE ALARM CONNECTION TO ELECTRO-MAGNETIC DOOR RELEASE (DOOR HOLDER)
- FAN SHUT DOWN RELAY
- FC — FIRE ALARM ADDRESSABLE RELAY ('FM' INDICATES MONITOR POINT, 'FC' INDICATES CONTROL POINT)
- FS — WATER FLOW SWITCH FIRE ALARM CONNECTION
- PS — PRESSURE SWITCH FIRE ALARM CONNECTION (FOR PRE-ACTION SYSTEM)
- SUPERVISORY TAMPER SWITCH FIRE ALARM CONNECTION
- FB — FIRE ALARM BELL, 90" AFF
- FB — FIRE ALARM BELL, CEILING MOUNTED
- SYSTEM CABINET; FIRE ALARM CONTROL PANEL (FACP), FIRE ALARM ANNUNCIATOR PANEL (FAAP), FIRE ALARM GRAPHIC PANEL (FAGP), FIRE ALARM TERMINATION CABINET (FATC), NOTIFICATION APPLIANCE CIRCUIT PANEL (NAC),

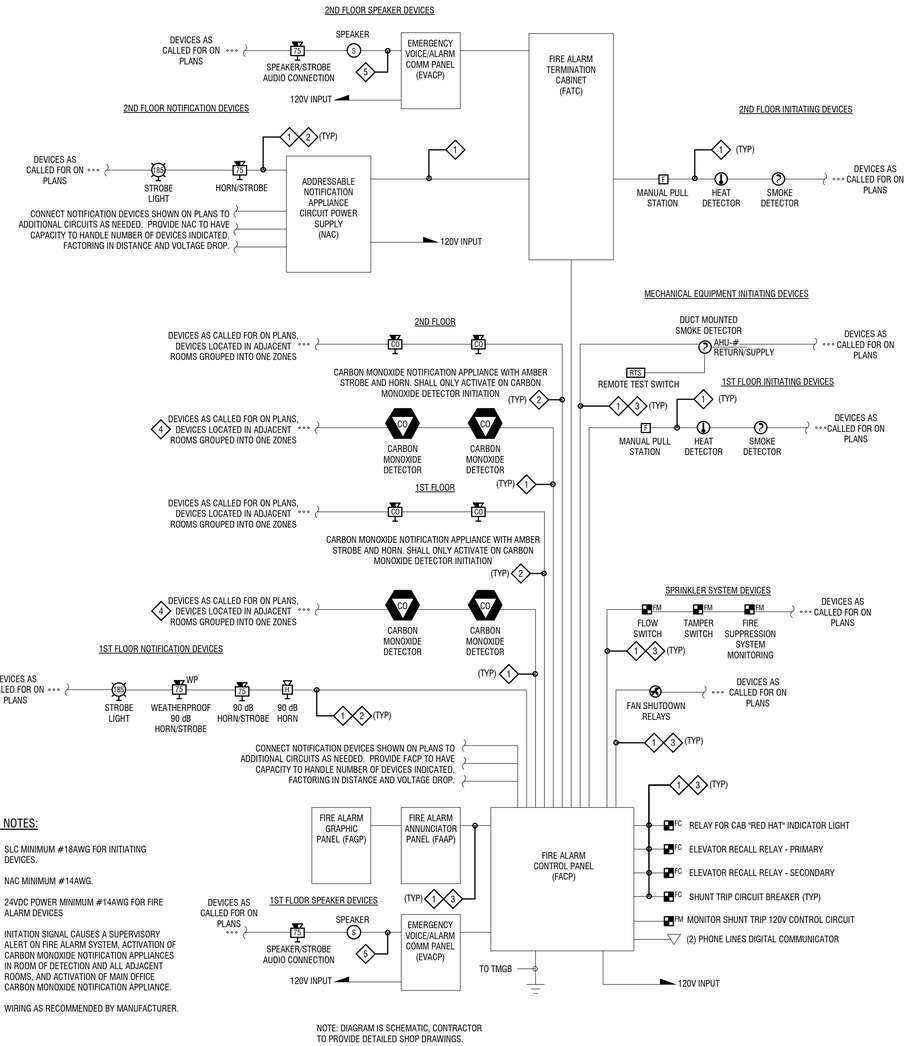
FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM OUTPUTS: FACP ANNUNCIATION | NOTIFICATION | REQUIRED FIRE SAFETY CONTROL

	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
1	FIRE ALARM SYSTEM AC POWER FAILURE			●	●								●														1
2	FIRE ALARM SYSTEM LOW BATTERY					●	●						●														2
3	OPEN CIRCUIT					●	●						●														3
4	GROUND FAULT					●	●						●														4
5	NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●						●														5
6	BUILDING MANUAL PULL STATIONS	●	●					●	●	●	●			●						●							6
7	CORRIDOR SMOKE DETECTORS	●	●					●	●	●	●			●	●					●	●		●				7
8	AREA SMOKE DETECTORS	●	●					●	●	●	●			●	●					●	●		●				8
9	HVAC AIR DUCT SMOKE DETECTORS			●	●			●				●							●			●					9
10	AREA HEAT DETECTORS	●	●					●	●	●	●			●	●					●	●		●				10
11	HOOD OR ROOM FIRE SUPPRESSION SYSTEM ALARM	●	●					●	●	●	●			●	●					●	●						11
12	SPRINKLER TAMPER SWITCH			●	●			●				●															12
13	SPRINKLER WATER FLOW IN BUILDING	●	●					●	●	●	●			●	●					●	●						13
14	SPRINKLER WATER FLOW IN ELEV EQUIP RM OR SHAFT	●	●					●	●	●	●			●	●		●	●		●	●						14

ACTUATE COMMON ALARM SIGNAL INDICATOR; ACTUATE AUDIBLE ALARM SIGNAL; ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR; ACTUATE AUDIBLE SUPERVISORY SIGNAL; ACTUATE COMMON TROUBLE SIGNAL INDICATOR; ACTUATE AUDIBLE TROUBLE SIGNAL; ACTUATE ZONE OR DEVICE ADDRESS ALARM INDICATOR; ACTUATE GENERAL EVACUATION SIGNAL; DISPLAY CHANGE OF STATUS; TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION; TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION; TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION; RELEASE MAGNETICALLY HELD DOORS; RECALL ELEVATOR TO ALTERNATE RECALL FLOOR; RECALL ELEVATOR TO RECALL FLOOR; ACTUATE WARNING TO ELEVATOR CABS; RELAYED REMOVAL OF POWER FROM ELEVATOR; CLOSE ALL SMOKE DAMPERS; UNLOCK EXITS AND CONTROL DOORS; SHUT DOWN RESPECTIVE AIR HANDLING EQUIPMENT; ACTUATE SMOKE EXHAUST

2 FIRE ALARM MATRIX
F001 — NOT TO SCALE



KEYED NOTES:

1. SLC MINIMUM #18AWG FOR INITIATING DEVICES.
2. NAC MINIMUM #14AWG.
3. 24VDC POWER MINIMUM #14AWG FOR FIRE ALARM DEVICES
4. INITATION SIGNAL CAUSES A SUPERVISORY ALERT ON FIRE ALARM SYSTEM, ACTIVATION OF CARBON MONOXIDE NOTIFICATION APPLIANCES IN ROOM OF DETECTION AND ALL ADJACENT ROOMS, AND ACTIVATION OF MAIN OFFICE CARBON MONOXIDE NOTIFICATION APPLIANCE.
5. WIRING AS RECOMMENDED BY MANUFACTURER.

NOTE: DIAGRAM IS SCHEMATIC, CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS.

1 FIRE ALARM ONE-LINE DIAGRAM
F001 — NOT TO SCALE

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CONSTRUCTION DOCUMENTS

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Revisions

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FIRE ALARM LEGEND AND DIAGRAMS

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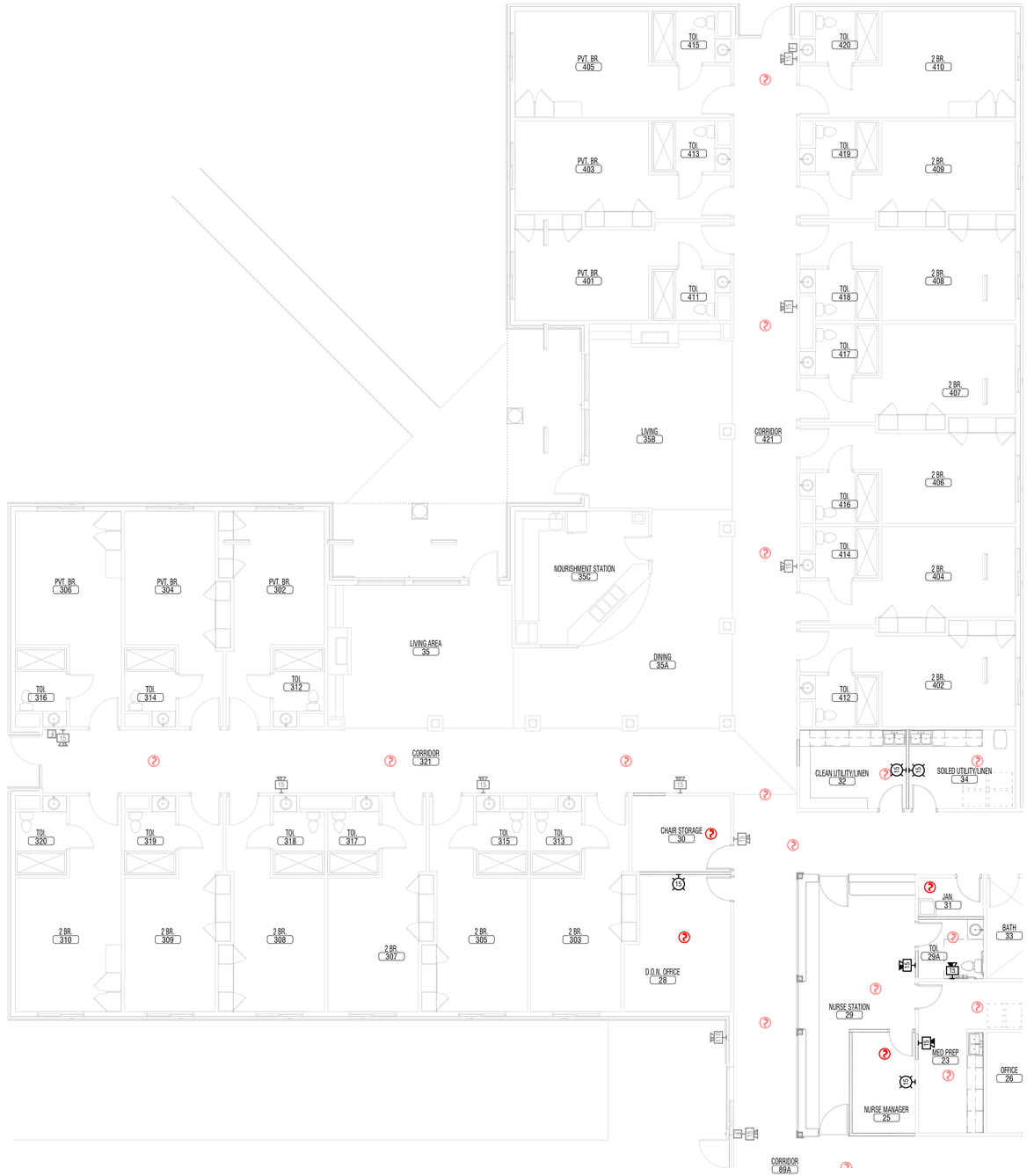
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GENERAL DRAWING NOTES:

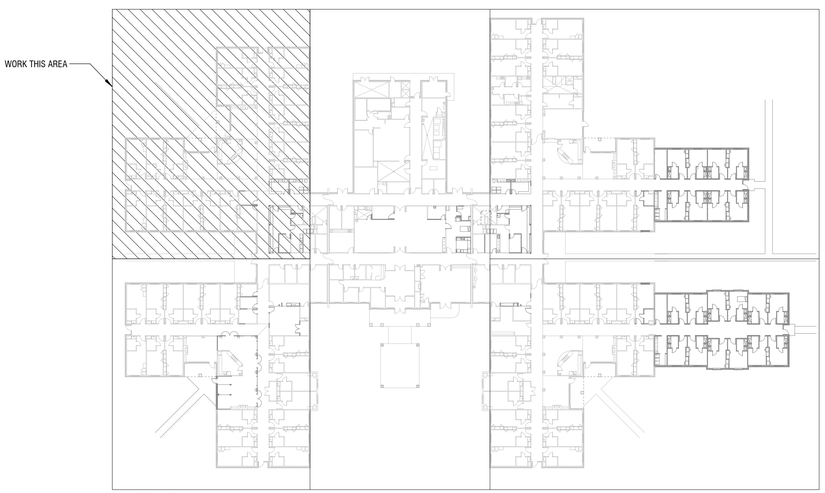
A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.



1 / F101 PARTIAL ELECTRICAL FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

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2/02/26

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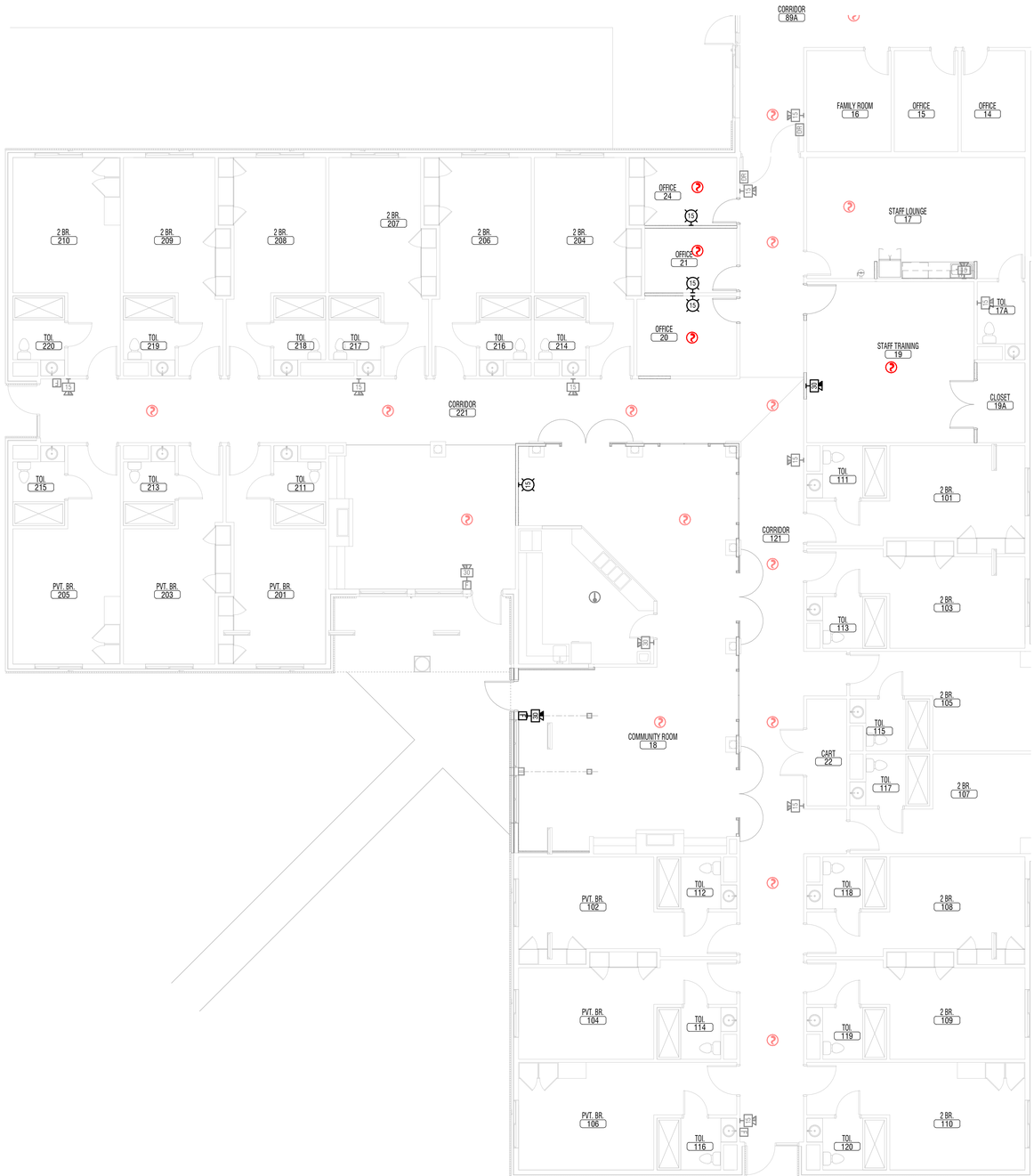
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GENERAL DRAWING NOTES:

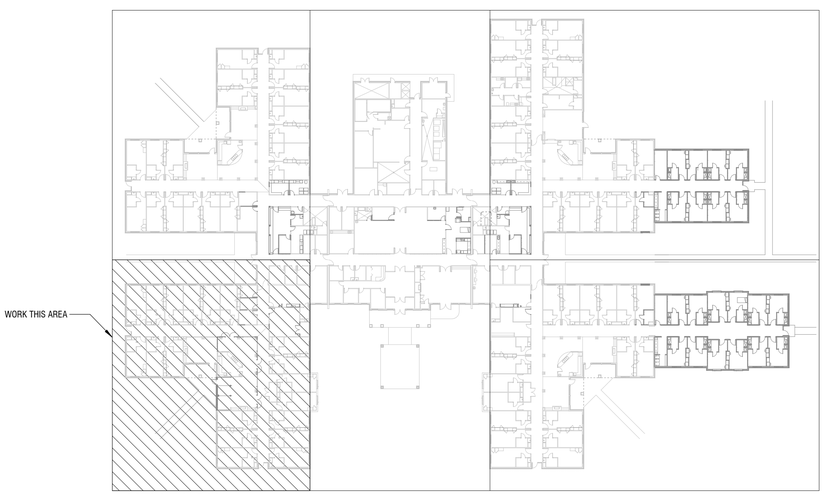
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GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.



1 F102 PARTIAL ELECTRICAL FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

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sheet number :

F102

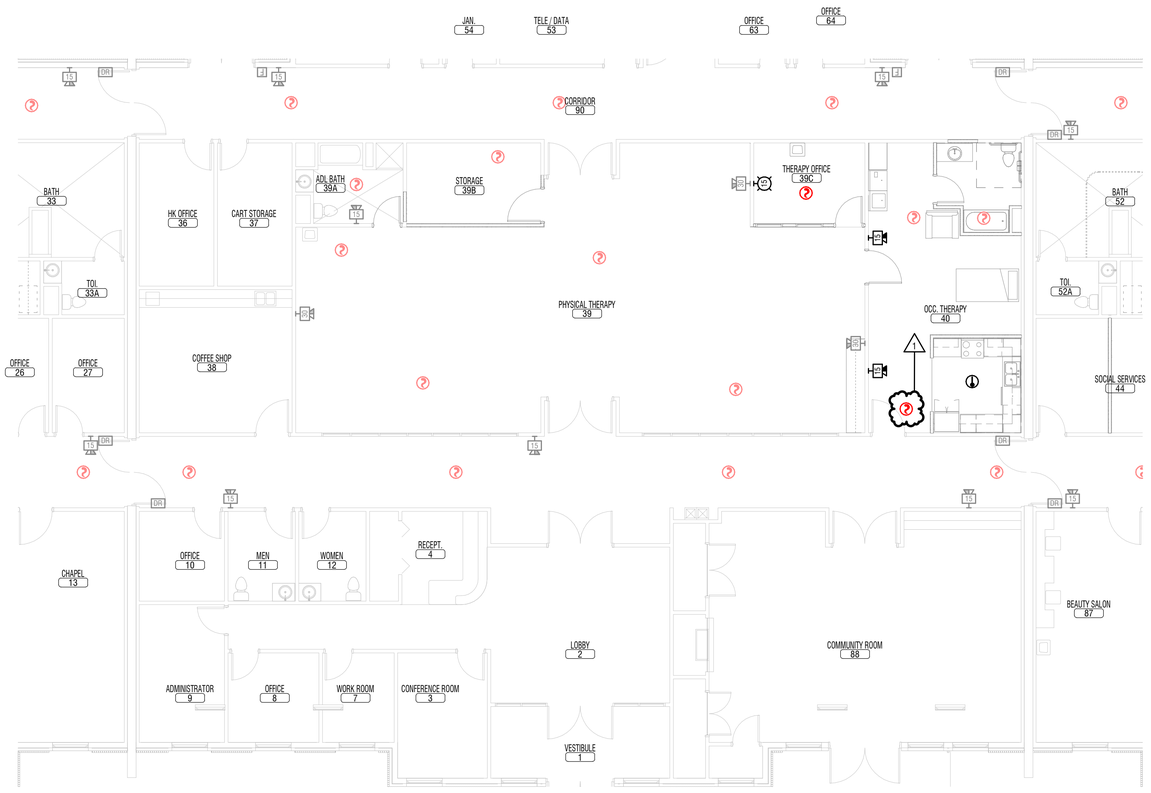
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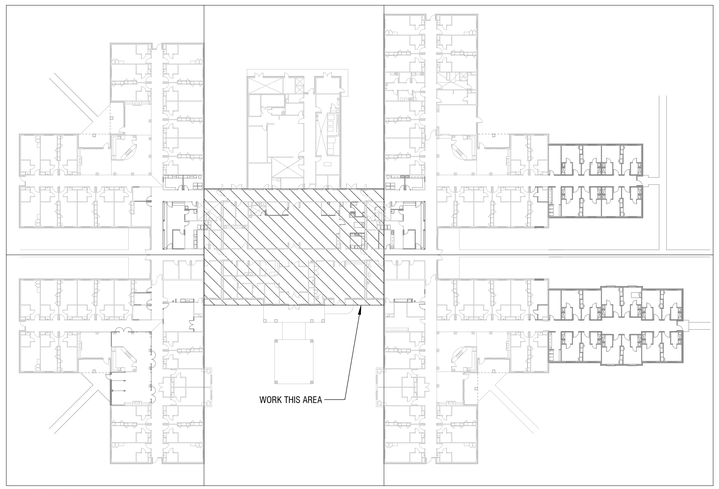
A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS INDICATED ON THE DRAWINGS.
B. FIRE ALARM DEVICES SERVING RESIDENTIAL COOKING EQUIPMENT IN OCCUPATIONAL KITCHEN SHALL BE INSTALLED IN ACCORDANCE WITH 2012 NFPA 101 18.3.2.5.4.

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.



1 / F103 PARTIAL ELECTRICAL FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"



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1	DHSR COMMENTS	01/30/26

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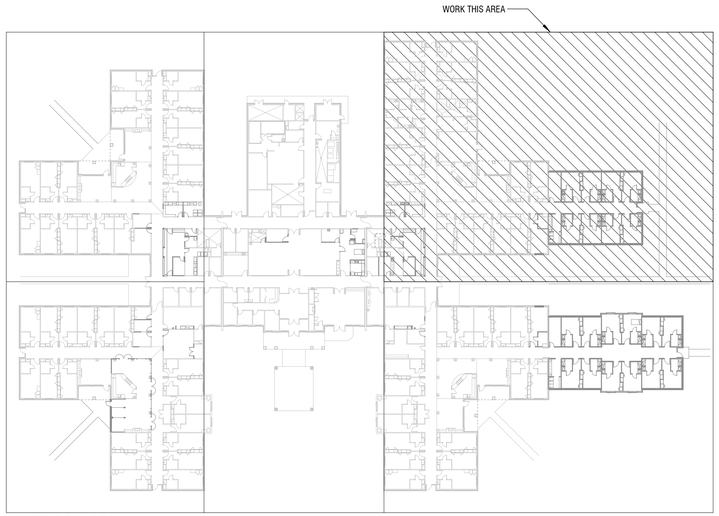
sheet number :
F103

GENERAL DRAWING NOTES:

A. NOT ALL EXISTING DEVICES AND FIXTURES ARE SHOWN. ONLY THOSE WITHIN ROOMS & CORRIDORS WHERE WORK IS EXPECTED TO TAKE PLACE ARE SHOWN.

GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.



KEY PLAN



1 / F104 PARTIAL ELECTRICAL FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"

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No.	Description	Date

date: 02/18/2025
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sheet title:
ELECTRICAL FIRE ALARM PLANS

sheet number :

F104

GENERAL DRAWING NOTES:

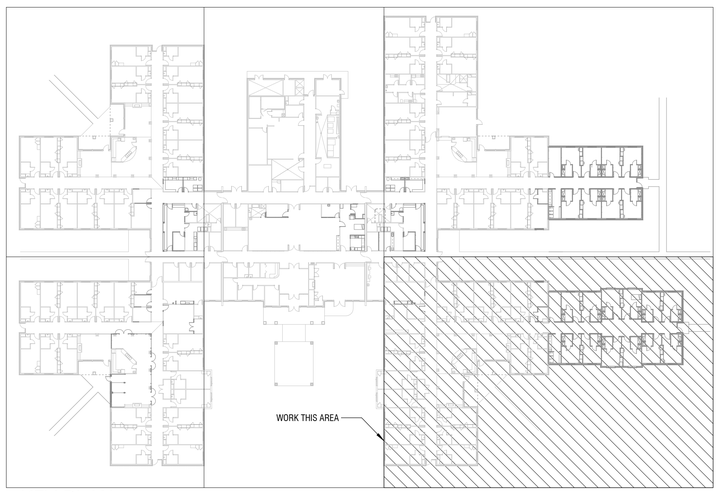
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GENERAL INSTALLATION NOTES:

A. ALL DEVICES UNDER COUNTERS SHALL HAVE GROMMETTED OPENING. COORDINATE WITH MILLWORK VENDOR.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE FURRING OF WALLS WHICH FLUSH MOUNTED PANELS SHALL BE INSTALLED.
C. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONDUIT/WIRE SIZE AND DISCONNECT SWITCH REQUIREMENTS, TYPICAL.



1 F105 PARTIAL ELECTRICAL FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"



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Revisions

No.	Description	Date

date: 02/18/2025

commission: NH-3138

sheet title:
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sheet number :

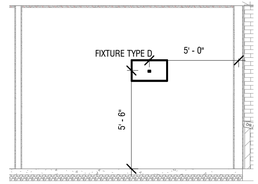
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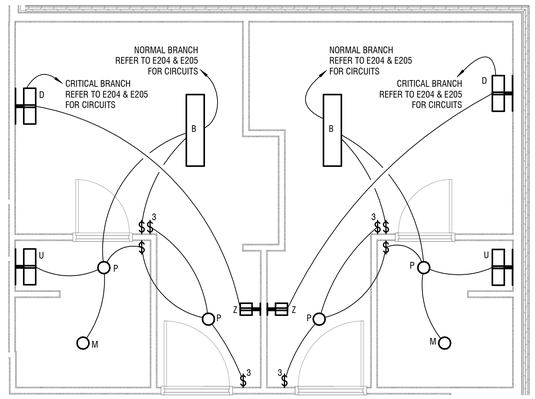
A. REFER TO E104 & E105 FOR CIRCUITING. DRAWINGS ARE DIAGRAMMATIC.
B. ALL RECEPTACLES FOR PATIENT BED LOCATIONS SHALL BE LISTED HOSPITAL GRADE PER NEC 517.18.

KEYED NOTES:

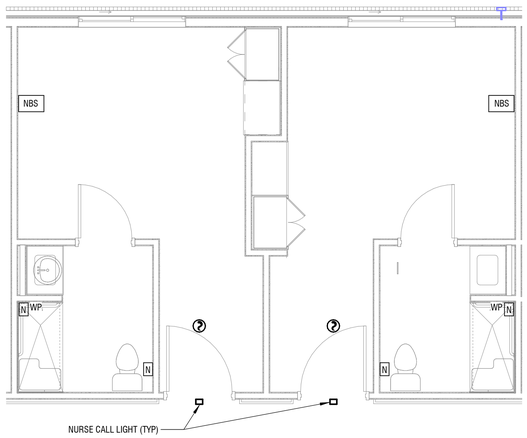
1. RECEPTACLE FOR PATIENT BED MUST BE LISTED HOSPITAL GRADE PER NEC 517.18.



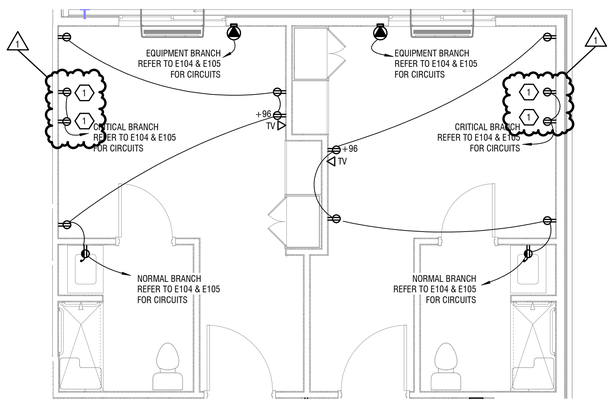
TYPICAL ONE BEDROOM
FIXTURE MOUNTING HEIGHT DETAIL
4 / E401
NOT TO SCALE



3 / E401 ENLARGED BACK TO BACK 1 BEDROOM LIGHTING PLAN
1/4" = 1'-0"



2 / E401 ENLARGED BACK TO BACK 1 BEDROOM SYSTEMS PLAN
1/4" = 1'-0"



1 / E401 ENLARGED BACK TO BACK 1 BEDROOM ELECTRICAL PLAN
1/4" = 1'-0"

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Revisions

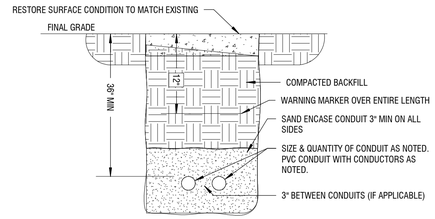
No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
ENLARGED BEDROOM ELECTRICAL & LIGHTING PLANS

sheet number :
E401

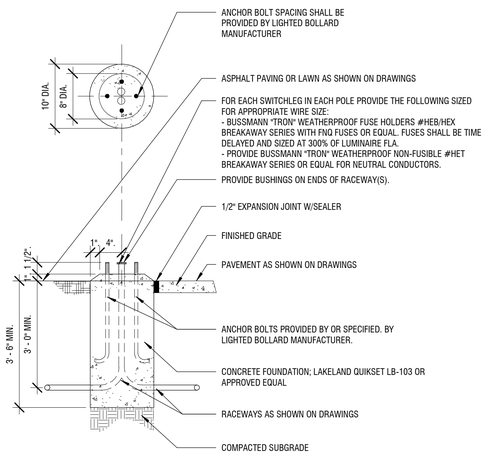
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NOTE: USE THIS DETAIL FOR ALL SITE CONDUIT UNLESS NOTED OTHERWISE

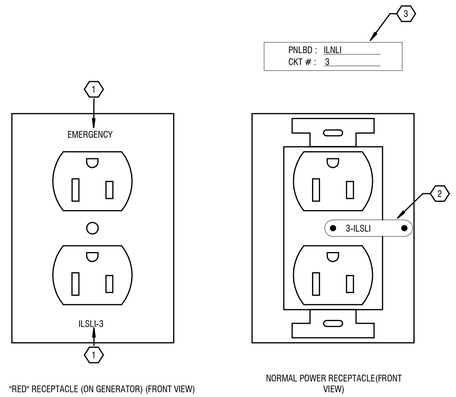
4 E501 TYPICAL DIRECT BURY CONDUIT TRENCH DETAIL

NOT TO SCALE



3 E501 TYPICAL ROUND LIGHTED BOLLARD FOUNDATION

NOT TO SCALE

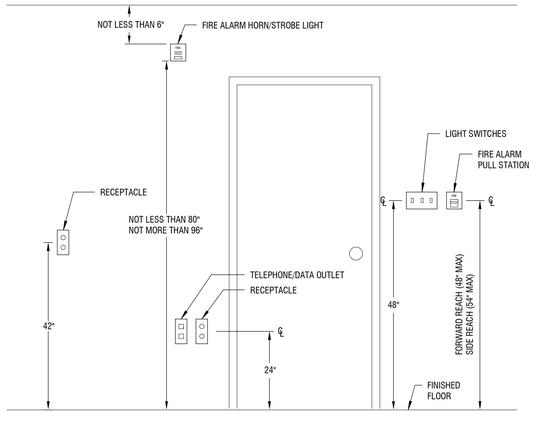


KEYED NOTES (#)

1. LASER OR MECHANICALLY ENGRAVED ONTO WALL PLATE.
2. METAL TAG ON DEVICE SCREW.
3. SELF-ADHESIVE LABEL ON BACK OF WALL PLATE COVER.

2 E501 TYPICAL RECEPTACLE CIRCUIT

NOT TO SCALE



NOTES:

1. THIS DETAIL INDICATES C FOR SWITCHES AND RECEPTACLES HOWEVER THIS SAME ℄ PRINCIPLE SHALL BE FOR GROUP MOUNTED ELECTRICAL DEVICES.
2. THIS ELEVATION IS A GENERAL ARRANGEMENT OF DEVICES. ARCHITECTUAL PLANS TAKE PRECEDENCE FOR EXACT LOCATIONS.
3. MOUNTING HEIGHTS ARE UNLESS NOTED OTHERWISE.

1 E501 TYPICAL MOUNTING HEIGHT DETAIL

NOT TO SCALE

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ELECTRICAL DETAILS

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E501

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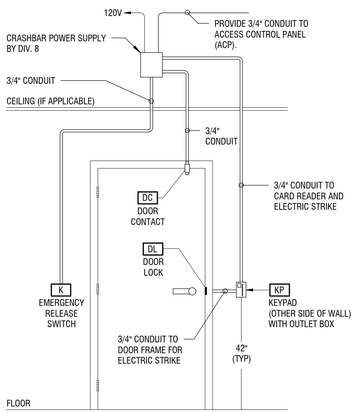
SYSTEMS LEGEND

SYMBOL	DESCRIPTION
	NURSE CALL ZONE LIGHT
NBS	NURSE CALL BEDSIDE AUDIO PATIENT STATION WITH CALL CORD
NBS 2	DUAL STATION NURSE CALL BESIDE AUDIO PATIENT STATION WITH CALL CORD
N	NURSE CALL EMERGENCY STATOIN IN TOILETS
N WP	WATERPROOF NURSE CALL EMERGENCY STATION IN SHOWERS, 48" AFF TO CENTERLINE
	NURSE CALL DOME LIGHT, MOUNTED OVER DOOR, CENTERED BETWEET TOP OF DOOR AND CEILING
DS	NURSE CALL DUTY STATION
NS	NURSE CALL MASTER STATION
SP	SPEAKER, SURFACE MOUNTED ON CEILING
V	SPEAKER VOLUME CONTROL, 42" AFF
K	EMERGENCY RELEASE SWITCH WITHIN 3'-0" OF DOOR IT CONTROLS, 48" AFF
KP	DOOR SECURITY KEYPAD LOCATED WITHIN 3'-0" OF DOOR IT CONTROLS, 48" AFF
DL	ELECTROMAGNETIC DOOR LOCK
DC	DOOR ALARM CONTACTS
PA	PUBLIC ADDRESS HEADEND WITH AMPLIFIER, TELEPHONE INPUT
DSCP	DOOR SECURITY CONTROL PANEL
FACU	FIRE ALARM CONTROL UNIT

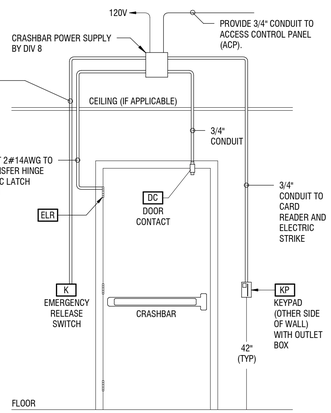
(SYMBOLS SHOWN FOR REFERENCE ONLY AND MAY NOT IMPLY CONTRACTUAL REQUIREMENTS)

MAGNETIC DOOR LOCK SYSTEM NOTES

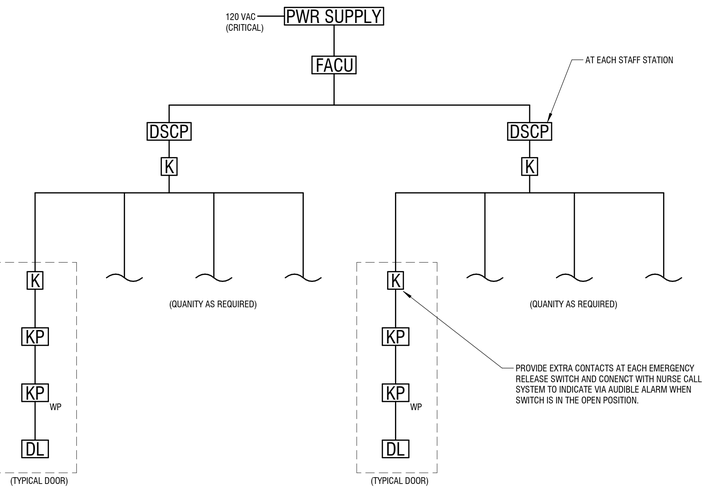
1. THE SPECIAL LOCKIGN SYSTEM SHALL MEET ALL REQUIREMENTS OF THE LATEST NORTH CAROLINA STATE BUILDING CODE, INCLUDING SECTION 407.11.
2. THE SPECIAL LOCKIGN SYSTEM SHALL BE APPROVED BY THE APPROPRIATE FIRE AND BUILDIGN INSPECTION AUTHORITY PRIOR TO INSTALLATION, AFTER INSTALLATION AND PRIOR TO INITIAL USE AND REVIEWED PERIODICALLLY TEHREAFTER.
3. THE SPECIAL LOCKING SYSTEM BE APPROVED BY DHSR CONSTRUCTION AFTER INSTALLATION AND PRIOR TO INITIAL USE.
4. THE FOLLOWING REQUIREMENTS SHALL BE MET:
   A. NOT MORE THAN ONE SYSTEM SHALL BE LOCATED IN ANY EGRESS PATH.
   B. ON/OFF EMERGENCY RELEASE SWITCHES SHALL BE LOCATED AND IDENTIFIED AT EACH NURSE'S STATION SERVING THE LOCKED UNIT.
   C. ON/OFF EMERGENCY RELEASE SWITCH SHALL BEL LOCATED AT EACH LOCKED DOOR WITHIN 3 FEET OF THE DOOR AND SHALL NOT DEPEND ON RELAYS OR OTHER DEVIES TO CAUSE THE INTERRUPTION OF POWER.
   D. ANY REQUIRED EMERGENCY RELEASE SWITCH THAT IS REQUIRED TO BE LOCKIGN TYPE, ALL STAFF RESPONSIBLE FOR THE EVACUATION OF OCCUPANTS MUST CARRY EMERGENCY RELEASE KEYS.
   E. PROVIDE ADDITIONAL EMERGENCY RELEASE SWITCHES FOR CONVENIENCE AS DIRECTED BY THE OWNER/ARCHITECT.
5. ALL MAGNETIC LOCKS SHALL OPEN UNDER THE FOLLOWING CONDITIONS:
   A. UNLOCK UPON ACTIVATIONN OF THE AUTOMATIC FIRE DETECTION SYSTEM OR AUTOMATIC SPRINKLER SYSTEM.
   B. UNLOCK UPON LOSS OF POWER OCNTROLLING THE LOCKING DEVICE.
   C. UNLOCK UPON ACTIVATION OF MASTER SHUTOFF SWITCH AT NURSES' / STAFF STATION.
6. INDIVIDUAL DOORS SHALL OPEN UNDER THE FOLLOWING CONDITIONS:
   A. UNLOCK FROM ACTIVATION OF SWITCH LOCATED BEHIND GLASS LOCATED WITHIN 3'-0" OF THE DOOR.
   B. UNLOCK FROM ACTIVATION OF KEYPAD OPERATOR LOCATED WITHIN 3'-0" OF THTE DOOR.
   C. UNLOCK FROM ACTIVATION OF EMERGENCY RELEASE AT NURSE'S STATION.
7. EMERGENCY LIGHTING SHALL BE PROVIDED AT EACH DOOR EQUIPPPED WITH SPECIAL LOCKING.
8. A WIRING DIAGRAM AND SYSTEM COMPONENTS LOCATION MAP SHALL BE PROVIDED UNDER GLASS ADJACENT TO THE FIRE ALARM PANEL AND AT NURSES'S STATION / STAFF STATION.
9. MANUFACTURER AND MODEL NUMBER OF ALL SYSTEM COMPONENTS INCLUDING SWITCH LOCATED BEHIND GLASS SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.



TYPICAL DOOR ACCESS CONTROL - SINGLE DOOR DOOR LOCK

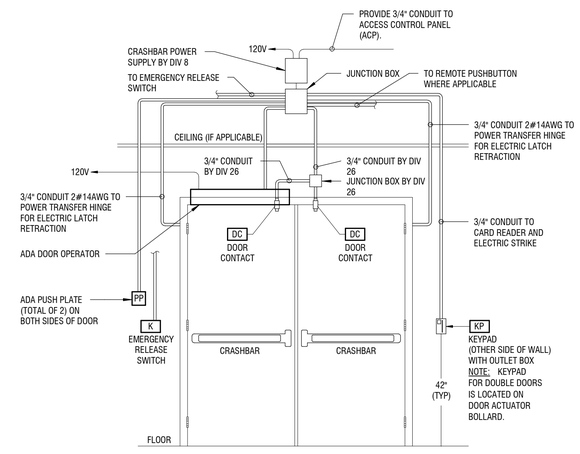


TYPICAL DOOR ACCESS CONTROL - SINGLE DOOR ELECTRIC LATCH RETRACTION

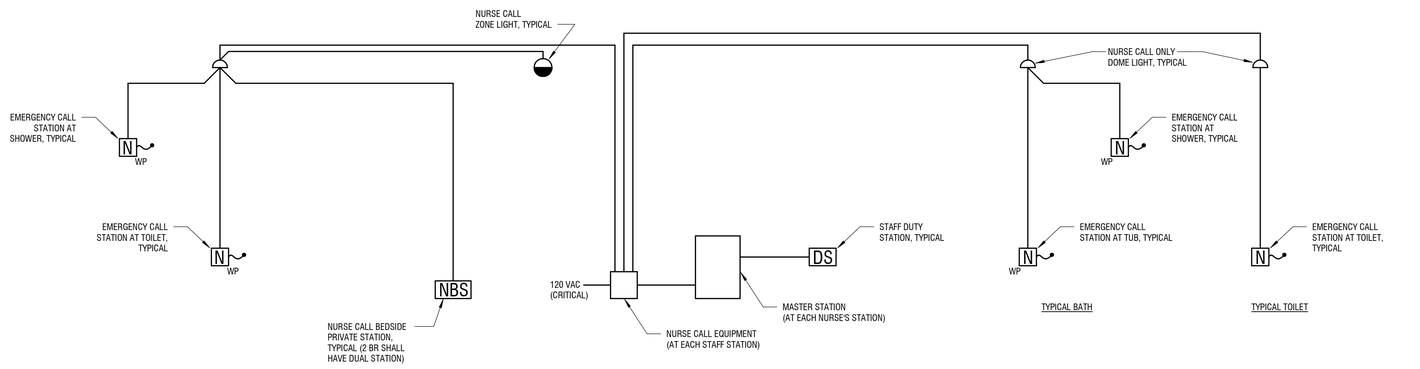


2 E502 FUNCTIONAL MAGNETIC LOCK DOOR SYSTEM

NOT TO SCALE



TYPICAL DOOR ACCESS CONTROL - DOUBLE DOORS ELECTRIC LATCH RETRACTION



GENERAL NOTES:

A. RISER DIAGRAM IS DEPICTIVE (FUNTIONAL) ONLY. ALL DEVICES ARE NOT SHOWN.
B. NURSE CALL SYSTEM CABLIGN TO BE ROUTED EXPOSED TO ATTIC SPACE. PROVIDE 3/4" RACEWAY FROM ALL WALL MOUNTED DEVICES TO ATTIC SPACE.

4 E502 DOOR ACCESS CONTROL WIRING SCHEMATICS

NOT TO SCALE

1 E502 FUNCTIONAL NURSE CALL RISER DIAGRAM

NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 KEVIN M. HOWARD 2/02/26

AMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURE CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025

commission: NH-3138

sheet title:
ELECTRICAL SYSTEMS DETAILS & SYMBOL LEGEND

sheet number :

E502

EQUIPMENT CONNECTION SCHEDULE

DESIGNATION	LOCATION	DESCRIPTION	LOAD	VOLTAGE	PHASE	PROTECTIVE DEVICE RATING (A)	NUMBER OF POLES	CONDUCTORS & CONDUIT	DISCONNECT	NOTES
DL-1	COMMUNITY ROOM 23	DOOR LOCK POWER	300 VA	120 V	1	20	1	2#12, 1#12G, 3/4"C	N/A	
DL-2	CORRIDOR 620	DOOR LOCK POWER	300 VA	120 V	1	20	1	2#12, 1#12G, 3/4"C	N/A	
DL-3	CORRIDOR 741	DOOR LOCK POWER	300 VA	120 V	1	20	1	2#12, 1#12G, 3/4"C	N/A	
ERV-20	CORRIDOR 620	ENERGY RECOVERY VENTILATOR	20.5 MCA	120 V	1	30	1	2#4, 1#4G, 1"C	PROVIDED BY MECHANICAL TRADE	EC IS RESPONSIBLE FOR INTERCONNECTING DISCONNECT SWITCH
ERV-21	CORRIDOR 741	ENERGY RECOVERY VENTILATOR	12.6 MCA	208 V	1	20	2	2#8, 1#8G, 3/4"C	PROVIDED BY MECHANICAL TRADE	EC IS RESPONSIBLE FOR INTERCONNECTING DISCONNECT SWITCH
IDU-32	CORRIDOR 620	INDOOR UNIT	21 MCA	208 V	1	30	2	2#4, 1#4G, 1"C	PROVIDED BY MECHANICAL TRADE	EC IS RESPONSIBLE FOR INTERCONNECTING DISCONNECT SWITCH
IDU-33	CORRIDOR 741	INDOOR UNIT	52 MCA	208 V	1	60	2	2#4, 1#8G, 1-1/4"C	PROVIDED BY MECHANICAL TRADE	EC IS RESPONSIBLE FOR INTERCONNECTING DISCONNECT SWITCH
ODU-32	OUTSIDE ADDITION	OUTDOOR UNIT	19 MCA	208 V	1	30	2	2#8, 1#8G, 3/4"C	PROVIDED BY MECHANICAL TRADE	EC IS RESPONSIBLE FOR INTERCONNECTING DISCONNECT SWITCH
ODU-33	OUTSIDE ADDITION	OUTDOOR UNIT	26 MCA	208 V	1	40	2	2#6, 1#6G, 3/4"C	PROVIDED BY MECHANICAL TRADE	EC IS RESPONSIBLE FOR INTERCONNECTING DISCONNECT SWITCH
GAGE	COMMUNITY ROOM	HYDRA HIGHWAY MONUM	14.1A MCA	208 V	1	20	2	2#12, 1#12G, 3/4"C	N/A	

LIGHTING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	DESIGN BASE	VOLTAGE	LAMP	WATTS	LENS	COLOR	COMMENTS
A	4 FT LED WRAPAROUND LIGHT FIXTURE WITH #12 ACRYLIC DIFFUSER, 0-10V DIMMING	LITHONIA LB SERIES	120-277 V	LED 6000 lm 3500K	50 W	PATTERNED #12 ACRYLIC	WHITE	
B	4 FT LED WRAPAROUND LIGHT FIXTURE WITH #12 ACRYLIC DIFFUSER, 0-10V DIMMING	LITHONIA LB SERIES	120-277 V	LED 4000 lm 3500K	32 W	PATTERNED #12 ACRYLIC	WHITE	
D	LED OVER BED EXAM/READING LIGHT WITH PULLCHAIN	HEALTHCARE LIGHITNG ARCHER SERIES	120-277 V	LED 5430 lm 3500K	50 W	ACRYLIC	WHITE	
F	RECESSED COMPACT LED DOWNLIGHT, 6" DIAMETER	LITHONIA LD SERIES	120-277 V	LED 2000 lm 3500K	23 W	N/A	SEMI-SPECULAR WITH WHITE TRIM	
GA	16" DIA. PENDANT WITH 0-10V DIMMING	STONEGATE DESIGNS COCO PENDANT SCOCP01L2-RB-203-206	120-277 V	LED 2400 lm 3500K	30 W	N/A	HAND-RUBBED BRONZE	COORDINATE HEIGHT WITH INTERIOR DESIGN
H	ADA CORRIDOR WALL SCONCE	HINKLEY HAMPTON 3202BR	120 V	LED 60W SOCKET	60 W	OFF-WHITE LINEN	BRUSHED BRONZE	ADA COMPLIANT, 63" AFF TO BOTTOM OF FIXTURE. PROVIDE WITH 2-5W LED 60W EQUIVELANT BULB.
J	LED EXTERIOR CEILING MOUNT	CROWN LIGHTING FM-WS2306	120 V	LED 800 lm 3000K	10 W	OPAL GLASS	WHITE	UL WET LOCATION LISTED, CONTROL THRU ROOF MTD PHOTOCELL
M	RECESSED COMPACT LED SHOWER/BATH DOWNLIGHT, 6" DIAMETER	GOTHAM EVO SERIES	120-277 V	LED 1000 lm 3500K	10 W	TEXTURED	WHITE	UL WET LOCATION LISTED
N4	4' UNDER CABINET LED	LITHONIA UC SERIES	120 V	LED 1347 lm 3500K	21 W	ACRYLIC	WHITE	
P	SURFACE MOUNTED GLASS COMPACT LED	LITHONIA FMLRL 11 148	120 V	LED 1100 lm 3000K	16 W	ACRYLIC	WHITE	
U	BRONZE ADA THREE-LIGHT BATH FIXTURE	CROWN LIGHTING WS-42524	120-277 V	LED 998 lm 3000K	22 W	SOLID CAST GLASS	AGED BRASS	
W	LED NIGHT LIGHT, GALVANIZED HOUSING, UL 1598	KIRLIN HEALTHCARE LIGHTING MTT-03NLT-HP-PLL-590	120-277 V	LED 11 lm AMBER	2 W	AMBER	WHITE	MOUNTED AT 18" AFF
X	EXIT SIGN, SINGLE OR DOUBLE FACED AS SHOWN ON PLANS, RED LETTERS, WHITE THERMOPLASTIC HOUSING.	LITHONIA QUANTUM SERIES	120-277 V	LED	5 W	N/A	N/A	CEILING OR WALL MOUNTING AS SHOWN ON PLANS. CHEVRON AS SHOWN ON PLANS
XB	EXISTING 4 FT WRAPAROUND FIXTURE TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XE	EXISTING EXIT SIGN TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XF	EXISTING DOWNLIGHT TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XG2	EXISTING PENDANT TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XGA	EXISTING PENDANT TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XH	EXISTING WALL SCONCE TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XJ	EXISTING DOWNLIGHT TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XN2	EXISTING UNDER CABINET FIXTURE TO REMAIN		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XN4	EXISTING UNDER CABINET FIXTURE TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
XR	EXISTING PENDANT TO REMAIN.		EXISTING	EXISTING	0 W	EXISTING	EXISTING	LOAD FOR EXISTING FIXTURES NOT INCLUDED IN NEW LOAD CALCULATIONS.
Y	LIGHT BLLARD, LOW COPPER CAST ALUMINUM ALLOY. LED, -20 DEGREE.	CROWN LIGHTING BQFT SERIES	120-277 V	LED 2178 lm 3000K	22 W	CONE REFLECTOR	BRONZE	

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 NATHAN M. HOWARD 2/02/26

SMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025

commission: NH-3138

sheet title:
ELECTRICAL SCHEDULES

sheet number :

E601

EX. Branch Panel: MDP

Location: ELEC. EQUIP. 60
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 100 KAIC
Mains Type: MLO
Mains Rating: 3000 A
MCB Rating: N/A

Notes:
EXISTING TO REMIAN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1						--	33483										2
3	NOT USABLE	--	--	--	3			--	29977			3	2000 A	--	--	[EX/N] MDP-N	4
5										--	20924						6
7						0	15816										8
9	[EX] MDP-SB	--	--	400 A	3			0	14080			3	800 A	--	--	[EX/N] MDP-V	10
11										0	13180						12
13						8285	--										14
15	[EX/N] MDP-C	--	--	400 A	3			9060	--			3	--	--	--	[EX] SPACE	16
17										7975	--						18
19						463	--										20
21	[EX/N] LSB	--	--	300 A	3			268	--			3	--	--	--	[EX] SPACE	22
23										585	--						24
25						--	--										26
27	[EX] SPACE	--	--	--	3			--	--			3	--	--	--	[EX] SPACE	28
29										--	--						30
				Total Load:		58038 VA		53378 VA		42645 VA							
				Total Amps:		497 A		459 A		355 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	73049 VA	100.00%	73049 VA		
Lighting	8619 VA	125.00%	10773 VA	**Total Conn. Load:**	154060 VA
Other	13808 VA	100.00%	13808 VA	**Total Est. Demand:**	131797 VA
Receptacle	58760 VA	58.51%	34380 VA	**Total Conn.:**	428 A
				Total Est. Demand:	366 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: MDP-N

Location: ELEC. EQUIP. 60
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 65 KAIC
Mains Type: MLO
Mains Rating: 2000 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1						1562	3120										2
3	[EX] NA1	--	--	200 A	3			2578	871			3	200 A	--	--	[EX] NA3	4
5										3412	0						6
7						633	2474										8
9	[EX] NC3	--	--	200 A	3			1440	1200			3	200 A	--	--	[EX] NC1	10
11										844	443						12
13						4873	0										14
15	[EX] NB1	--	--	150 A	3			3918	0			3	200 A	--	--	[EX] NB2	16
17										3696	0						18
19						0	0										20
21	[EX] MA3	--	--	400 A	3			0	0			3	250 A	--	--	[EX] MC3	22
23										0	0						24
25						0	0										26
27	[EX] MA5	--	--	150 A	3			0	0			3	150 A	--	--	[EX] MC5	28
29										0	0						30
31						0	0										32
33	[EX] PANEL S	--	--	100 A	3			0	0			3	60 A	--	--	[EX] DH3	34
35										0	0						36
37						0	0										38
39	[EX] DW BOOSTER HEATER	--	--	75 A	3			0	0			3	60 A	--	--	[EX] DH4	40
41										0	0						42
43						0	7939										44
45	[EX] DW MACHINE	--	--	125 A	3			0	7991			3	100 A	1	1-1/4	[EX/N] NC5	46
47										0	8682						48
49						--	12896										50
51	[EX] SPACE	--	--	--	3			--	11986			3	100 A	1	1-1/4	[EX/N] MC7	52
53										--	5990						54
				Total Load:		33483 VA		29977 VA		20924 VA							
				Total Amps:		291 A		261 A		174 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	30873 VA	100.00%	30873 VA		
Lighting	1510 VA	125.00%	1888 VA	**Total Conn. Load:**	84383 VA
Other	12108 VA	100.00%	12108 VA	**Total Est. Demand:**	72289 VA
Receptacle	36600 VA	63.66%	23300 VA	**Total Conn.:**	234 A
				Total Est. Demand:	201 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: MDP-C

Location: EMER. ELEC. 59
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 42 KAIC
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
EXISTING TO REMAIN PANELBOARD

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1						0	0										2
3	[EX] CA1	--	--	100 A	3			0	0			3	100 A	--	--	[EX] CC1	4
5										800	0						6
7						1580	1096										8
9	[EX] CA2	--	--	100 A	3			1808	1940			3	100 A	--	--	[EX] CC2	10
11										500	500						12
13						5611	--										14
15	[EX/N] CC3	1	1-1/4	100 A	3			5315	--			3	--	--	--	[EX] SPACE	16
17										6175	--						18
19						--	--										20
21	[EX] SPACE	--	--	--	3			--	--			3	--	--	--	[EX] SPACE	22
23										--	--						24
				Total Load:		8285 VA		9060 VA		7975 VA							
				Total Amps:		69 A		76 A		66 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	2370 VA	125.00%	2963 VA		
Other	800 VA	100.00%	800 VA	**Total Conn. Load:**	25319 VA
Receptacle	22160 VA	72.56%	16080 VA	**Total Est. Demand:**	19830 VA
				Total Conn.:	70 A
				Total Est. Demand:	55 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: MDP-V

Location: ELEC. EQUIP. 60
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 42 KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1						0	0										2
3	[EX] MA1	--	--	200 A	3			0	0			3	200 A	--	--	[EX] MA2	4
5										0	0						6
7						0	0										8
9	[EX] MC2	--	--	200 A	3			0	0			3	200 A	--	--	[EX] MC1	10
11										0	0						12
13						15816	--										14
15	[EX/N] MC6	3/0	2-1/2	200 A	3			14080	--			3	--	--	--	[EX] SPACE	16
17										13180	--						18
19						--	--										20
21	[EX] SPACE	--	--	--	3			--	--			3	--	--	--	[EX] SPACE	22
23										--	--						24
				Total Load:		15816 VA		14080 VA		13180 VA							
				Total Amps:		133 A		118 A		110 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	42176 VA	100.00%	42176 VA		
Other	900 VA	100.00%	900 VA	**Total Conn. Load:**	43076 VA
				Total Est. Demand:	43076 VA
				Total Conn.:	120 A
				Total Est. Demand:	120 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

LOAD SUMMARY

EXISTING 120/208V, 3ø, 4W, 3000A UTILITY SERVICE

300.00	KW EXISTING DEMAND (12 MONTH PEAK DEMAND OBTAINED BY LOCAL UTILITY DEC 2025)
375.00	KVA (@ 0.8 PF)
468.75	KVA EXISTING DEMAND (PER NEC 220.87)
32.08	KVA REMOVED LOAD
126.57	KVA ADDED LOAD (SEE PANEL SCHEDULES FOR BREAKDOWN)
563.24	KVA TOTAL LOAD 1,563.40 A TOTAL AMPERAGE

MDP	MDP-C		
MDP-N	MDP-V		

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD 2/02/26

SIMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number :
E602

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Branch Panel: CA1

Location: STAFF LOUNGE 17 | **Volts:** 208Y/120V | **A.I.C. Rating:** 10 KAIC
Supply From: MDP-C | **Phases:** 3 | **Mains Type:** MCB
Mounting: RECESSED | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: NEMA 1, LOCKABLE | **MCB Rating:** 100 A

Notes:
DISCONNECT AND REMOVE EXISTING CA1 PANELBOARD AFTER NEW CA1 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING CA1 PANELBOARD TO NEW CA1 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] ROOM 101 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 102+104 RECEPTACLES	2
3	[EX] ROOM 103 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 108+109 RECEPTACLES	4
5	[EX] ROOM 101+107 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 106+110 RECEPTACLES	6
7	[EX] ROOM 201+203 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 202+209 RECEPTACLES	8
9	[EX] ROOM 204+206 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 207+208 RECEPTACLES	10
11	[EX] ROOM 205+210 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	12
13	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	14
15	[EX/N] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] STAFF STATION RECEPTACLES	16
17	[EX/N] *STAFF LOUNGE FRIDGE	3/4	12	20 A	1					800	0	1	20 A	--	--	[EX] STAFF STATION RECEPTACLES	18
19	[EX] REFRIGERATOR RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] LIGHTING ROOMS 101-110	20
21	[EX] ICE MACHINE RECEPTACLE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIGHTING ROOMS 201-210	22
23	[EX] SERVING KITCHEN LIGHTING	--	--	20 A	1					0	0	1	20 A	--	--	[EX] MED PREP, STAFF, NOUR. LTG	24
25	[EX] OFFICE RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CORRIDOR RECEPTACLE	26
27	[EX] SPARE	--	--	20 A	1			0				1	20 A	--	--	[EX/N] SPARE	28
29	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	30
31	[EX] SPARE	--	--	20 A	1	0						1	20 A	--	--	[EX] SPARE	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	36
37	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	38
39	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
					Total Load:	0 VA		0 VA		800 VA							
					Total Amps:	0 A		0 A		7 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Other	800 VA	100.00%	800 VA	**Total Conn. Load:**	800 VA
Receptacle	0 VA	0.00%	0 VA	**Total Est. Demand:**	800 VA
				Total Conn.:	2 A
				Total Est. Demand:	2 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED. *INDICATES PROVIDE GFCI TYPE BREAKER

Branch Panel: CA2

Location: NURSE MANAGER 25 | **Volts:** 208Y/120V | **A.I.C. Rating:** 10 KAIC
Supply From: MDP-C | **Phases:** 3 | **Mains Type:** MCB
Mounting: RECESSED | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: NEMA 1, LOCKABLE | **MCB Rating:** 100 A

Notes:
DISCONNECT AND REMOVE EXISTING CA2 PANELBOARD AFTER NEW CA2 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING CA2 PANELBOARD TO NEW CA2 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] ROOM 301+309 RECPETALCES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 303+305 RECEPTACLES	2
3	[EX] ROOM 307+308 RECPETALCES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 302+304 RECEPTACLES	4
5	[EX] ROOM 306+310 RECPETALCES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 401+403 RECEPTACLES	6
7	[EX] ROOM 402 RECPETALCES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 404+406 RECEPTACLES	8
9	[EX] ROOM 407+408 RECPETALCES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 409 RECEPTACLES	10
11	[EX/N] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 405+410 RECEPTACLES	12
13	[EX/N] MED PREP 30 RECEPTACLES	3/4	12	20 A	1	1080	0					1	20 A	--	--	[EX] REFRIGERATOR RECEPTACLE	14
15	[EX/N] MED PREP 30 RECEPTACLES	3/4	12	20 A	1			900	0			1	20 A	--	--	[EX] ICE MACHINE RECEPTACLE	16
17	[EX/N] MED PREP 30 RECEPTACLES	3/4	12	20 A	1					500	0	1	20 A	--	--	[EX] LIGHTING ROOMS 301-310	18
19	[EX/N] MED PREP 30 RECEPTACLES	3/4	12	20 A	1	500	0					1	20 A	--	--	[EX] LIGHTING ROOMS 401-410	20
21	[EX] SERVING KITCHEN LIGHTING	--	--	20 A	1			0	383			1	20 A	12	3/4	[EX/N] RM 32 & 34 LIGHTING	22
23	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] CORRIDOR RECEPTACLES	24
25	[EX] OFFICE RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CORRIDOR RECEPTACLES	26
27	[EX/N] MED PREP 23 RECEPTACLES	3/4	12	20 A	1			540	0			1	20 A	--	--	[EX] SPARE	28
29	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	30
31	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	36
37	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	38
39	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
					Total Load:	1580 VA		1808 VA		500 VA							
					Total Amps:	15 A		16 A		4 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	383 VA	125.00%	479 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3886 VA
Receptacle	3520 VA	100.00%	3520 VA	**Total Est. Demand:**	3978 VA
				Total Conn.:	11 A
				Total Est. Demand:	11 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

Branch Panel: CC1

Location: STAFF LOUNGE 82 | **Volts:** 208Y/120V | **A.I.C. Rating:** 10 KAIC
Supply From: MDP-C | **Phases:** 3 | **Mains Type:** MCB
Mounting: EXISTING | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: NEMA 1, LOCKABLE | **MCB Rating:** 100 A

Notes:
DISCONNECT AND REMOVE EXISTING CC1 PANELBOARD AFTER NEW CC1 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING CC1 PANELBOARD TO NEW CC1 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SERVING KITCHEN RECEP	2
3	[EX] WARMING CABINET RECEP	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	4
5	[EX] LIVING AREA TELEVISION	--	--	20 A	1					0	0	1	20 A	--	--	[EX] WARMING CABINET RECEP	6
7	[EX] MICROWAVE RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] TOASTER RECEPTACLE	8
9	[EX] STAFF LOUNGE RECEPTACLES	--	--	20 A	1			0	0			2	20 A	--	--	[EX] FOOD WELL WARMER	10
11	[EX] STAFF LOUNGE RECEPTACLES	--	--	20 A	1					0	0						12
13	[EX] LIVING AREA RECPETACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CART/STORAGE RECEPTACLES	14
15	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA RECEPTACLES	16
17	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA FIRE PLACE	18
19	[EX] STAFF LOUNGE RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] LIVING AREA LIGHTING	20
21	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX/N] SPARE	22
23	[EX] ATTIC LIGHTING AND RECEPS	--	--	20 A	1					0	0	1	20 A	--	--	[EX/N] SPARE	24
25	[EX] ATTIC LIGHTING AND RECEPS	--	--	20 A	1	0	0					1	20 A	--	--	[EX/N] SPARE	26
27	[EX] LIVING ROOM TELEVISION	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA 77 RECEPTACLES	28
29	[EX] LIVING ROOM FIRE PLACE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA 77B RECEP	30
31	[EX] STAFF LOUNGE RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	SPARE	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	SPARE	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	SPARE	36
37	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	SPARE	38
39	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	SPARE	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	SPARE	42
					Total Load:	0 VA		0 VA		0 VA							
					Total Amps:	0 A		0 A		0 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

Branch Panel: CC2

Location: NURSE STATION 48 | **Volts:** 208Y/120V | **A.I.C. Rating:** 10 KAIC
Supply From: MDP-C | **Phases:** 3 | **Mains Type:** MCB
Mounting: EXISTING | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: NEMA 1, LOCKABLE | **MCB Rating:** 100 A

Notes:
DISCONNECT AND REMOVE EXISTING CC2 PANELBOARD AFTER NEW CC2 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING CC2 PANELBOARD TO NEW CC2 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] ROOM 501 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 502 RECEPTACLES	2
3	[EX] ROOM 503 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 504 RECEPTACLES	4
5	[EX] ROOM 505 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 506 RECEPTACLES	6
7	[EX] ROOM 507 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 508 RECEPTACLES	8
9	[EX] ROOM 509 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 510 RECEPTACLES	10
11	[EX] ROOM 601 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 602 RECEPTACLES	12
13	[EX] ROOM 603 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 602 RECEPTACLES	14
15	[EX] ROOM 605 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 604 RECEPTACLES	16
17	[EX] ROOM 607 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 608 RECEPTACLES	18
19	[EX/N] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] REFRIGERATOR RECEPTACLE	20
21	[EX] STAFF STATION 74 RECEP	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ICE MACHINE RECEPTACLE	22
23	[EX] STAFF STATION 74 RECEP	--	--	20 A	1					0	0	1	20 A	--	--	[EX] MED PREP 72 RECEPTACLES	24
25	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] MED PREP 72 RECEPTACLES	26
27	[EX] LIGHTING ROOMS 501-510	--	--	20 A	1			0	1080			1	20 A	12	3/4	[EX/N] NURSE STATION 48 RECEPS	28
29	[EX] LIGHTING ROOMS 601-608	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SERVING KITCHEN LIGHTING	30
31	[EX/N] NURSE STATION LIGHTING	3/4	12	20 A	1	204	0					1	20 A	--	--	[EX] MED PREP, STAFF STATION LTG	32
33	[EX/N] MED PREP RECEPTACLES	3/4	12	20 A	1			360	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] OFFICE RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] CORRIDOR RECEPTACLE	36
37	[EX/N] NURSE STATION 48 RECEPS	3/4	12	20 A	1	900	0					1	20 A	--	--	[EX] CU/CL 70 + SOIL 67 RECEPS	38
39	[EX/N] MED PREP 47 RECEPTACLES	3/4	12	20 A	1			500	0			1	20 A	--	--	[EX/N] SPARE	40
41	[EX/N] MED PREP 47 RECEPTACLES	3/4	12	20 A	1					500	0	1	20 A	--	--	[EX] SPARE	42
					Total Load:	1096 VA		1940 VA		500 VA							
					Total Amps:	10 A		17 A		4 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	204 VA	125.00%	255 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3534 VA
Receptacle	3340 VA	100.00%	3340 VA	**Total Est. Demand:**	3583 VA
				Total Conn.:	10 A
				Total Est. Demand:	10 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

CA1	CA2
CC1	CC2

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CAMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number:
E603

NEW Branch Panel: CC3

Location: MED PREP 47
Supply From: MDP-C
Mounting: RECESSED
Enclosure: NEMA 1, LOCKABLE

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100A

Notes:

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	ROOM 609 EM RECEPTACLES	3/4	12	20 A	1	720	720					1	20 A	12	3/4	ROOM 610 EM RECEPTACLES	2
3	ROOM 611 EM RECEPTACLES	3/4	12	20 A	1			360	360			1	20 A	12	3/4	ROOM 612 EM RECEPTACLES	4
5	ROOM 613 EM RECEPTACLES	3/4	12	20 A	1					720	720	1	20 A	12	3/4	ROOM 614 EM RECEPTACLES	6
7	ROOM 615 EM RECEPTACLES	3/4	12	20 A	1	360	360					1	20 A	12	3/4	ROOM 616 EM RECEPTACLES	8
9	ROOM 709 RECEPTACLES	3/4	12	20 A	1			720	720			1	20 A	12	3/4	ROOM 711 RECEPTACLES	10
11	ROOM 713 RECEPTACLES	3/4	12	20 A	1					720	720	1	20 A	12	3/4	ROOM 715 RECEPTACLES	12
13	ROOM 717 RECEPTACLES	3/4	12	20 A	1	360	360					1	20 A	12	3/4	ROOM 719 RECEPTACLES	14
15	ROOM 710 RECEPTACLES	3/4	12	20 A	1			720	720			1	20 A	12	3/4	ROOM 712 RECEPTACLES	16
17	ROOM 714 RECEPTACLES	3/4	12	20 A	1					720	720	1	20 A	12	3/4	ROOM 716 RECEPTACLES	18
19	ROOM 718 RECEPTACLES	3/4	12	20 A	1	360	360					1	20 A	12	3/4	ROOM 720 RECEPTACLES	20
21	EM HALLWAY RECEPTACLES	3/4	12	20 A	1			360	540			1	20 A	12	3/4	EM HALLWAY RECEPTACLES	22
23	EM CTL. POINT 83 RECEPTACLES	3/4	12	20 A	1					720	720	1	20 A	12	3/4	EM CTL. POINT 83 RECEPTACLES	24
25	EM CTL. POINT 92 RECEPTACLES	3/4	12	20 A	1	720	720					1	20 A	12	3/4	EM CTL. POINT 92 RECEPTACLES	26
27	ROOM 609 & 611 EM LTG	3/4	12	20 A	1			204	204			1	20 A	12	3/4	ROOM 610 & 612 EM LTG	28
29	ROOM 613 & 615 EM LTG	3/4	12	20 A	1					104	104	1	20 A	12	3/4	ROOM 614 & 616 EM LTG	30
31	ROOM 709 & 711 EM LTG	3/4	12	20 A	1	204	204					1	20 A	12	3/4	ROOM 710 & 712 EM LTG	32
33	ROOM 713 & 715 EM LTG	3/4	12	20 A	1			204	204			1	20 A	12	3/4	ROOM 714 & 716 EM LTG	34
35	ROOM 717 & 719 EM LTG	3/4	12	20 A	1					104	104	1	20 A	12	3/4	ROOM 718 & 720 EM LTG	36
37	NURSE STATION 83 LTG	3/4	12	20 A	1	86	86					1	20 A	12	3/4	NURSE STATION 92 LTG	38
39	SPARE	--	--	20 A	1			0	0			1	20 A	--	--	SPARE	40
41	SPARE	--	--	20 A	1					0	0	1	20 A	--	--	SPARE	42
					Total Load:	5611 VA		5315 VA		6175 VA							
					Total Amps:	47 A		44 A		52 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1801 VA	125.00%	2252 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	17101 VA
Receptacle	15300 VA	82.68%	12650 VA	**Total Est. Demand:**	14901 VA
				Total Conn.:	47 A
				Total Est. Demand:	41 A

Notes:

NEW Branch Panel: MC6

Location: STAFF LOUNGE 82
Supply From: MDP-V
Mounting: RECESSED
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
NEW PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	ROOM 609 TW1	3/4	12	20 A	2	1318	1318					2	20 A	12	3/4	ROOM 610 TW1	2
3								1318	1318								4
5	ROOM 611 TW1	3/4	12	20 A	2					1318	1318	2	20 A	12	3/4	ROOM 612 TW1	6
7						1318	1318										8
9	ROOM 613 TW1	3/4	12	20 A	2			1318	1318			2	20 A	12	3/4	ROOM 614 TW1	10
11										1318	1318						12
13	ROOM 615 TW1	3/4	12	20 A	2	1318	1318					2	20 A	12	3/4	ROOM 616 TW1	14
15								1318	1318								16
17	ROOM 709 TW1	3/4	12	20 A	2					1318	1318	2	20 A	12	3/4	ROOM 711 TW1	18
19						1318	1318										20
21	ROOM 713 TW1	3/4	12	20 A	2			1318	1318			2	20 A	12	3/4	ROOM 715 TW1	22
23										1318	1318						24
25	ROOM 717 TW1	3/4	12	20 A	2	1318	1318					2	20 A	12	3/4	ROOM 719 TW1	26
27								1318	1318								28
29	ROOM 710 TW1	3/4	12	20 A	2					1318	1318	2	20 A	12	3/4	ROOM 712 TW1	30
31						1318	1318										32
33	[EX/N] DL-1	3/4	12	20 A	1			300	600			1	20 A	12	3/4	[EX/N] DL-2 & DL-3	34
35	SPACE	--	--	--	1							1	--	--	--	SPACE	36
37	SPACE	--	--	--	1	--	--					1	--	--	--	SPACE	38
39	SPACE	--	--	--	1			--	--			1	--	--	--	SPACE	40
41	SPACE	--	--	--	1					--	--	1	--	--	--	SPACE	42
					Total Load:	15816 VA		14080 VA		13180 VA							
					Total Amps:	133 A		118 A		110 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	900 VA	100.00%	900 VA	**Total Conn. Load:**	43076 VA
				Total Est. Demand:	43076 VA
				Total Conn.:	120 A
				Total Est. Demand:	120 A

Notes:

EX. Branch Panel: GDP

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 65 KAIC
Mains Type: MLO
Mains Rating: 1200 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1						0	14059										2
3	[EX] MDP-SB	--	--	400 A	3			0	14059			3	800 A	--	--	[EX] MDP-V	4
5										0	14059						6
7						6610	735										8
9	[EX] MDP-C	--	--	300 A	3			6610	735			3	300 A	--	--	[EX] LSB	10
11										6610	735						12
13						--	--										14
15	[EX] SPACE	--	--	--	3			--	--			3	--	--	--	[EX] SPACE	16
17										--	--						18
19						--	--										20
21	[EX] SPACE	--	--	--	3			--	--			3	--	--	--	[EX] SPACE	22
23										--	--						24
					Total Load:	21403 VA		21403 VA		21403 VA							
					Total Amps:	178 A		178 A		178 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	64210 VA	100.00%	64210 VA		
				Total Conn. Load:	64210 VA
				Total Est. Demand:	64210 VA
				Total Conn.:	178 A
				Total Est. Demand:	178 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

CC3	GDP
MC6	-

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JAMES M. HOWARD 2/02/26

CAMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number :
E604

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NEW Branch Panel: MC7

Location: NURSE MANAGER 46
Supply From: MDP-N
Mounting: RECESSED
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
NEW PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	IDU-32	3/4	6	30 A	2	2808	5408					2	30 A	6	3/4	IDU-33	2
3								2808	5408								4
5	ODU-32	3/4	8	30 A	2					1976	2704	2	40 A	6	3/4	ODU-33	6
7						1976	2704										8
9	ERV-20	1	4	30 A	1			1492	310			2	20 A	8	3/4	ERV-21	10
11	SPARE	--	--	20 A	1					0	1310						12
13	SPARE	--	--	20 A	1	0	0					1	20 A	--	--	SPARE	14
15	SPARE	--	--	20 A	1			0	0			1	20 A	--	--	SPARE	16
17	SPARE	--	--	20 A	1					0	0	1	20 A	--	--	SPARE	18
19	SPARE	--	--	20 A	1	0	0					1	20 A	--	--	SPARE	20
21	SPACE	--	--	--	1			--	--			1	--	--	--	SPACE	22
23	SPACE	--	--	--	1					--	--	1	--	--	--	SPACE	24
25	SPACE	--	--	--	1	--	--					1	--	--	--	SPACE	26
27	SPACE	--	--	--	1			--	--			1	--	--	--	SPACE	28
29	SPACE	--	--	--	1					--	--	1	--	--	--	SPACE	30
				Total Load:		12896 VA		11986 VA		5990 VA							
				Total Amps:		115 A		108 A		50 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	30873 VA	100.00%	30873 VA		
				Total Conn. Load:	30873 VA
				Total Est. Demand:	30873 VA
				Total Conn.:	86 A
				Total Est. Demand:	86 A

Notes:

Branch Panel: NA1

Location: STAFF LOUNGE 17
Supply From: MDP-N
Mounting: RECESSED
Enclosure: NEMA 1, LOCKABLE

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
DISCONNECT AND REMOVE EXISTING NA1 PANELBOARD AFTER NEW NA1 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING NA1 PANELBOARD TO NEW NA1 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] ROOM 101 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 102 RECEPTACLES	2
3	[EX] ROOM 103 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 104 RECEPTACLES	4
5	[EX] ROOM 105 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 106 RECEPTACLES	6
7	[EX] ROOM 107 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 108 RECEPTACLES	8
9	[EX] ROOM 109 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 110 RECEPTACLES	10
11	[EX] ROOM 201 RECEPTACLES	--	--	20 A	1					0	720	1	20 A	12	3/4	[EX/N] OFFICE 20 RECEPTACLES	12
13	[EX] ROOM 203 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 204 RECEPTACLES	14
15	[EX] ROOM 205 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 206 RECEPTACLES	16
17	[EX] ROOM 207 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 208 RECEPTACLES	18
19	[EX] ROOM 209 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 210 RECEPTACLES	20
21	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	22
23	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LTG RMS 201, 203, 205, 209, 210	24
25	[EX] LTG RMS 101, 103, 105, 107, 108	--	--	20 A	1	0	149					1	20 A	12	3/4	[EX/N] LTG RMS 20, 21, 24, 202, 204,...	26
27	[EX] LTG RMS 102, 104, 106, 109, 110	--	--	20 A	1			0	0			1	20 A	--	--	[EX] RMS 212, 219, 220, TOILET...	28
29	[EX] RMS 211, 213, 215 TOILET REC	--	--	20 A	1					0	0	1	20 A	--	--	[EX] RMS 217, 218 TOILET RECEP	30
31	[EX] RMS 112, 114, 116 TOILET REC	--	--	20 A	1	0	0					1	20 A	--	--	[EX] RMS 214, 216 TOILET RECEP	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] RMS 118, 119, 120 TOILET...	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] RMS 115, 117 TOILET RECEP	36
37						1415	0					1	20 A	--	--	[EX] RMS 111, 113 TOILET RECEP	38
39	[EX/N] PANEL NA2	1-1/4	1	100 A	3			1498	1080			1	20 A	12	3/4	OFFICE 21, 24 RECEPTACLES	40
41										2692	0	1	20 A	--	--	[EX] SPARE	42
				Total Load:		1562 VA		2578 VA		3412 VA							
				Total Amps:		13 A		23 A		30 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1142 VA	125.00%	1428 VA		
Other	2636 VA	100.00%	2636 VA	**Total Conn. Load:**	7540 VA
Receptacle	3780 VA	100.00%	3780 VA	**Total Est. Demand:**	7822 VA
				Total Conn.:	21 A
				Total Est. Demand:	22 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

Branch Panel: NA2

Location: STAFF LOUNGE 17
Supply From: NA1
Mounting: RECESSED
Enclosure: NEMA 1, LOCKABE

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: N/A

Notes:
DISCONNECT AND REMOVE EXISTING NA2 PANELBOARD AFTER NEW NA2 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING NA2 PANELBOARD TO NEW NA2 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SERVING KITCHEN RECEPS	2
3	[EX] WARMING CABINET RECEP	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	4
5	[EX] LIVING AREA TELEVISION	--	--	20 A	1					0	0	1	20 A	--	--	[EX] WARMING CABINET RECEP	6
7	[EX] MICROWAVE RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] TOASTER RECEPTACLE	8
9	[EX] TRAINING ROOM RECEPS	--	--	20 A	1			0	1318			2	30 A	--	--	[EX] FOOD WELL WARMER	10
11	[EX/N] STAFF LOUNGE RECEP	3/4	12	20 A	1					540	1318						12
13	[EX] LIVING AREA RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CART STORAGE/STORAGE...	14
15	[EX] CORRIDOR SCONCE LIGHTING	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA RECEPTACLES	16
17	[EX] CORRIDOR LIGHTING	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA FIRE PLACE	18
19	[EX/N]STAFF LOUNGE/GENERAL LTG	3/4	12	20 A	1	529	363					1	20 A	--	--	[EX] LIVING AREA LIGHTING	20
21	[EX] ATTIC LIGHTING AND RECEPS	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SERVING KITCHEN LIGHTING	22
23	[EX] ATTIC LIGHTING AND RECEPS	--	--	20 A	1					0	30	1	20 A	--	--	[EX] LIVING AREA LIGHTING	24
25	[EX] LIVING AREA TELEVISION	--	--	20 A	1	0	0					1	20 A	--	--	[EX] LIVING AREA 23 RECEPTACLES	26
27	[EX] LIVING AREA FIRE PLACE	--	--	20 A	1			0	180			1	20 A	12	3/4	[EX/N] COMM. RM 23 RECEPTACLES	28
29	[EX] CORRIDOR SCONCE LIGHTING	--	--	20 A	1					85	720	1	20 A	12	3/4	[EX/N] STAFF TRAINING 10 RECEP	30
31	[EX] SPARE	--	--	20 A	1	0	540					1	20 A	12	3/4	[EX/N] STAFF TRAINING 10 RECEP	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	36
37	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	38
39	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
				Total Load:		1415 VA		1498 VA		2692 VA							
				Total Amps:		12 A		13 A		23 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	994 VA	125.00%	1243 VA		
Other	2636 VA	100.00%	2636 VA	**Total Conn. Load:**	5598 VA
Receptacle	1980 VA	100.00%	1980 VA	**Total Est. Demand:**	5844 VA
				Total Conn.:	16 A
				Total Est. Demand:	16 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: NA3

Location: NURSE MANAGER 25
Supply From: MDP-N
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX/N] RM 28 & 30 RECEPTACLES	3/4	12	20 A	1	900	0					1	20 A	--	--	[EX] ROOM 302 RECEPTACLES	2
3	[EX] ROOM 303 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 304 RECEPTACLES	4
5	[EX] ROOM 305 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 306 RECEPTACLES	6
7	[EX] ROOM 307 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 308 RECEPTACLES	8
9	[EX] ROOM 309 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 310 RECEPTACLES	10
11	[EX] ROOM 401 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 402 RECEPTACLES	12
13	[EX] ROOM 403 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 404 RECEPTACLES	14
15	[EX] ROOM 405 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 406 RECEPTACLES	16
17	[EX] ROOM 407 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 408 RECEPTACLES	18
19	[EX] ROOM 409 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 410 RECEPTACLES	20
21	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LTG RM 401,403,405,409,410	22
23	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LTG RM 402,404,406,407,408	24
25	[EX] LTG RM 302,304,306,309,310	--	--	20 A	1	0	60					1	20 A	--	--	[EX] SCONCE LIGHTING CORRIDOR	26
27	[EX/N] RM 28 & 30 LIGHTING	3/4	12	20 A	1			341	0			1	20 A	--	--	[EX] CORRIDOR LIGHTING	28
29	[EX] RM 312,314,316 TOILET REC	--	--	20 A	1					0	0	1	20 A	--	--	[EX] RM 317,318 TOILET RECEP	30
31	[EX] RM 311,319,320 TOILET REC	--	--	20 A	1	0	0					1	20 A	--	--	[EX] RM 313,315 TOILET RECEP	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] RM 412,414,416 TOILET RECEP	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] RM 417,418 TOILET RECEP	36
37						2160	0					1	20 A	--	--	[EX] RM 419,420 TOILET RECEP	38
39	[EX] PANEL NA4	[EX]	[EX]	100 A	3			540	0			1	20 A	--	--	[EX] RM 411,413,415 TOILET RECEP	40
41										0	0	1	20 A	--	--	[EX] SCONCE LIGHTING CORRIDOR	42
43	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	44
45	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	46
47	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	48
49	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	50
51	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	52
53	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	54
				Total Load:		3120 VA		871 VA		0 VA							
				Total Amps:		27 A		8 A		0 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	399 VA	125.00%	499 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3986 VA
Receptacle	3600 VA	100.00%	3600 VA	**Total Est. Demand:**	4083 VA
				Total Conn.:	11 A
				Total Est. Demand:	11 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

MC6	NA1
NA2	NA3

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JAMES M. HOWARD 2/02/26

AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION
195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number :
E605

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EX. Branch Panel: NA4

Location: NURSE MANAGER 25
Supply From: NA3
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBAORD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SERVING KITCHEN GEN REC	2
3	[EX] WARMIGN CABINET RECEP	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	4
5	[EX] MICROWAVE RECEPTACLE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] WARMING CABINET...	6
7	[EX] LIVING AREA RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] TOASTER RECEPTACLE	8
9	[EX] LIVING AREA TELEVISION	--	--	20 A	1			0	0			2	20 A	--	--	[EX] FOOD WELL WARMER	10
11	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1					0	0						12
13	[EX/N] NURSE STATION OFFICE REC	3/4	12	20 A	1	720	0					1	20 A	--	--	[EX] FAMILY ROOM 16 RECEP	14
15	[EX] OFFICE 14+15 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA RECEPTACLES	16
17	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA FIRE PLACE	18
19	[EX] PATIO RECEPTACLES	--	--	20 A	1	0	720					1	20 A	12	3/4	[EX/N] ROOM 29, 29A, 31 RECEPS	20
21	[EX] LIVING AREA LIGHITNG	--	--	20 A	1			0	0			1	20 A	--	--	[EX] OFFICE 26+27 RECEPTACLES	22
23	[EX] SERVING KITCHEN LIGHTING	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ELECTRIC WATER COOLER	24
25	[EX] SERVING KITCHEN LIGHTING	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CHAPEL 13 RECEPTACLES	26
27	[EX] LIVING AREA LIGHTING	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	28
29	[EX] ATTIC LIGHTING AND RECEP	--	--	20 A	1					0	0	1	20 A	--	--	[EX] WHIRLPOOL	30
31	[EX] ATTIC LIGHTING AND RECEP	--	--	20 A	1	0	0					1	20 A	--	--	[EX] BATH 33 AND JAN 28 RECEP	32
33	[EX] RH1	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA FIRE PLACE	34
35	[EX] LIVING AREA 35B RECEP	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA TELEVISION	36
37	[EX] LIVING AREA 35 RECEP	--	--	20 A	1	0	720					1	20 A	12	3/4	[EX/N] CLEAN UTILITY/LINEN 32 REC	38
39	[EX] SPARE	--	--	20 A	1			0	540			1	20 A	12	3/4	[EX/N] SOILED UTILITY/LINEN 34 REC	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
						Total Load:		2160 VA		540 VA		0 VA					
						Total Amps:		19 A		5 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	2700 VA	100.00%	2700 VA		
				Total Conn. Load:	2700 VA
				Total Est. Demand:	2700 VA
				Total Conn.:	7 A
				Total Est. Demand:	7 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: NB2

Location: CORRIDOR 90A
Supply From: MDP-N
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 22 KAIC
Mains Type: MLO
Mains Rating: 225 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBOARD

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] SPARE	--	--	20 A	1	0	0					2	25 A	--	--	[EX] HP03-IDU	2
3	[EX] SPARE	--	--	20 A	1			0	0								4
5	[EX] SPARE	--	--	20 A	1					0	0	3	30 A	--	--	[EX] WASHER (100LB)	6
7	[EX] WASHER	--	--	30 A	3	0	0										8
9								0	0								10
11										0	0	2	15 A	--	--	[EX] DRYER	12
13	[EX/N] LIGHTING 54,55,63,64	--	--	20 A	1	0	0										14
15	[EX] LIGHTING 52,61,60,57,59,58	--	--	20 A	1			0	0			2	15 A	--	--	[EX] DRYER (120LB)	16
17										0	0						18
19	[EX] HP30-IDU	--	--	35 A	3	0	0					1	25 A	--	--	[EX] ERV19	20
21								0	0			1	15 A	--	--	[EX] FAN F2	22
23										0	0	1	20 A	--	--	[EX] FAN DW1	24
25	[EX] HP31-IDU	--	--	45 A	3	0	0					1	15 A	--	--	[EX] FAN F3	26
27								0	0			1	15 A	--	--	[EX] FAN F1	28
29	[EX] HP06-IDU	--	--	25 A	2					0	0	3	30 A	--	--	[EX] HP04-IDU	30
31						0	0										32
33	[EX] HP05-IDU	--	--	25 A	2			0	0								34
35										0	0	1	20 A	--	--	[EX] LAUNDRY/JANITOR RECEP	36
37	[EX] ERV02	--	--	25 A	1	0	0					1	20 A	--	--	[EX] SPARE	38
39	[EX] HP02-IDU	--	--	25 A	2			0	0			1	20 A	--	--	[EX] DISHWASHER HOOD	40
41										0	0	1	20 A	--	--	[EX] SPARE	42
43	[EX] HP01-IDU	--	--	25 A	2	0	0					1	20 A	--	--	[EX] SPARE	44
45								0	0			1	20 A	--	--	[EX] SPARE	46
47	[EX] ERV01	--	--	25 A	1					0	0	1	20 A	--	--	[EX] SPARE	48
49	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	50
51	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	52
53	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	54
						Total Load:		0 VA		0 VA		0 VA					
						Total Amps:		0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: NB1

Location: CORRIDOR 90A
Supply From: MDP-N
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 22 KAIC
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBOARD

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] OFFICE 63+64 RECEPTACLES	--	--	20 A	1	0	180					1	20 A	12	3/4	[EX/N] PHYSICAL THERAPY 39 REC	2
3	[EX] CORRIDOR 89+COMM. RM REC	--	--	20 A	1			0	0			1	20 A	--	--	[EX] PHYSICAL THERAPY 39 RECEP	4
5	[EX] SPARE	--	--	20 A	1					0	360	1	20 A	12	3/4	[EX/N] THERAPY OFFICE RECEPS	6
7	[EX] SPARE	--	--	20 A	1	0	1080					1	20 A	12	3/4	[EX/N] OCC. THERAPY RECEP	8
9	[EX] COFFEE SHOP 38 RECEPTACLE	--	--	20 A	1			0	1400			1	20 A	12	3/4	[EX/N] WASHING MACHINE	10
11	[EX] COFFEE SHOP 38 RECEPTACLE	--	--	20 A	1					0	360	1	20 A	12	3/4	[EX/N] OCC. THERAPY KITCHEN REC	12
13	[EX] COFFEE SHOP 38 TV RECEP	--	--	20 A	1	0	1318					2	30 A	10	3/4	[EX/N] OCC. THERAPY STOVE	14
15	[EX] COMMUNIT ROOM 88 RECEP	--	--	20 A	1			0	1318								16
17	[EX] COMMUNIT ROOM 88 TV RECEP	--	--	20 A	1					0	0	1	20 A	--	--	[EX] PHY. THER. RESTRM REC & WF	18
19	[EX] LOBBY 2 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CONF. ROOM 3 RECEP	20
21	[EX] RECEPTION 4 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] RESTROOM RECEPTACLES	22
23	[EX] PORCH 93 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] OFFICE 9+10 RECEPTACLES	24
25	[EX] CORRIDOR / JANITOR RECEP	--	--	20 A	1	0	458					1	20 A	12	3/4	[EX/N] COR.,STOR.,GAME,OCC. LTG	26
27	[EX] COMMUNITY RM AND LOB LTG	--	--	20 A	1			0	0			1	20 A	--	--	[EX] COR., COF., IT, CART STO. LTG	28
29	[EX] GENERAL OFFICE LIGHTING	--	--	20 A	1					0	99	1	20 A	12	3/4	[EX/N] PHYS. THERAPY LIGHTING	30
31	[EX] WORK ROOM 7 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ELECTRIC WATER COOLER	32
33	[EX] WORK ROOM 7 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] COMMUNITY ROOM FIRE PLACE	34
35	[EX] CART STORAGE 37 RECEP	--	--	20 A	1					0	360	1	20 A	12	3/4	[EX/N] OCC. THERAPY KITCHEN REC	36
37	[EX] ATTIC LIGHTING AND RECEP	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ATTIC LIGHTING AND RECEP	38
39	[EX] COFFEE SHOP RECEPTACLE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] COFFEE SHOP RECEPTACLE	40
41	[EX] COFFEE SHOP RECEPTACLE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] EXTERIOR RECEPTACLES	42
43	[EX] ELECTRIC/MECH ROOM RECEP	--	--	20 A	1	0	0					1	20 A	--	--	[EX] HOUSE KEEPING OFFICE	44
45	[EX] BB1	--	--	20 A	1			0	0			1	20 A	--	--	[EX] TIE CLOCK RECEPTACLE	46
47	[EX/N] OCC. THERAPY DRYER	3/4	10	30 A	2					1318	400	1	20 A	12	3/4	[EX/N] *WATER COOLER	48
49						1318	540					1	20 A	12	3/4	[EX/N] PHYSICAL THERAPY REC	50
51	[EX/N] DISHWASER	3/4	12	20 A	1			1200	0			1	20 A	--	--	[EX] SPARE	52
53	[EX/N] *REFRIGERATOR	3/4	12	20 A	1					800	0	1	20 A	--	--	[EX] SPARE	54
						Total Load:		4873 VA		3918 VA		3696 VA					
						Total Amps:		41 A		33 A		31 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	555 VA	125.00%	694 VA		
Other	8672 VA	100.00%	8672 VA	**Total Conn. Load:**	12486 VA
Receptacle	3280 VA	100.00%	3280 VA	**Total Est. Demand:**	12620 VA
				Total Conn.:	35 A
				Total Est. Demand:	35 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.
*INDICATES PROVIDE GFCI TYPE BREAKER

Branch Panel: NC1

Location: STAFF LOUNGE 82
Supply From: MDP-N
Mounting: RECESSED
Enclosure: NEMA 1, LOCKABLE

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
DISCONNECT AND REMOVE EXISTING NC1 PANELBOARD AFTER NEW NC1 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING NC1 PANELBOARD TO NEW NC1 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] ROOM 701 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 702 RECEPTACLES	2
3	[EX] ROOM 703 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 704 RECEPTACLES	4
5	[EX] ROOM 705 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 706 RECEPTACLES	6
7	[EX] ROOM 707 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 708 RECEPTACLES	8
9	[EX] ROOM 801 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 802 RECEPTACLES	10
11	[EX] ROOM 803 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 804 RECEPTACLES	12
13	[EX] ROOM 805 RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] ROOM 806 RECEPTACLES	14
15	[EX] ROOM 807 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOM 808 RECEPTACLES	16
17	[EX] ROOM 809 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] ROOM 810 RECEPTACLES	18
19	[EX] LTG ROOM 701, 703, 705, 706	--	--	20 A	1	0	0					1	20 A	--	--	[EX] LTG RM 801, 803, 805, 809, 810	20
21	[EX] LTG ROOM 702, 704, 706, 708	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LTG RM 802, 804, 806, 807, 808	22
23	[EX] CORRIDOR SCONCE LIGHTING	--	--	20 A	1					0	0	1	20 A	--	--	[EX] RM 702, 704, 708 TOILET REC	24
25	[EX/N] CORRIDOR LIGHTING	3/4	12	20 A	1	162	0					1	20 A	--	--	[EX] ROOMS 706, 707 TOILET REC	26
27	[EX] RM 701, 802, 804 TOILET REC	--	--	20 A	1			0	0			1	20 A	--	--	[EX] ROOMS 703, 705 TOILET REC	28
29	[EX] ROOMS 806, 807, TOILET REC	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	30
31	[EX] RM 808, 809, 810 TOILET REC	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	32
33	[EX] RM 801, 803, 805 TOILET REC	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] CORRIDOR SCONCE LIGHTING	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	36
37						2320	0					1	20 A	--	--	[EX] SPARE	38
39	[EX/N] PANEL NC2	1-1/4	1	100 A	3			1200	0			1	20 A	--	--	[EX] SPARE	40
41										443	0	1	20 A	--	--	[EX] SPARE	42
						Total Load:		2474 VA		1200 VA		443 VA					
						Total Amps:		22 A		11 A		4 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	605 VA	125.00%	756 VA		
Other	800 VA	100.00%	800 VA	**Total Conn. Load:**	4099 VA
Receptacle	2720 VA	100.00%	2720 VA	**Total Est. Demand:**	4245 VA
				Total Conn.:	11 A
				Total Est. Demand:	12 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

NA4	NB1
NB2	NC1

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JAMES M. HOWARD 2/02/26

CAMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number :
E606

Branch Panel: NC2

Location: STAFF LOUNGE 82
Supply From: NC1
Mounting: RECESSED
Enclosure: NEMA 1, LOCKABLE

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: N/A

Notes:
DISCONNECT AND REMOVE EXISTING NC2 PANELBOARD AFTER NEW NC2 PANELBOARD IS INSTALLED. RELOCATE CIRCUITS FROM EXISTING NC2 PANELBOARD TO NEW NC2 PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SERVING KITCHEN RECEP	2
3	[EX] WARMING CABINET RECEP	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	4
5	[EX] LIVING AREA TELEVISION	--	--	20 A	1					0	0	1	20 A	--	--	[EX] WARMING CABINET RECEP	6
7	[EX] MICROWAVE RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] TOASTER RECEPTACLE	8
9	[EX] STAFF LOUNGE RECEPTACLES	--	--	20 A	1			0	0			2	20 A	--	--	[EX] FOOD WELL WARMER	10
11	[EX] STAFF LOUNGE RECEPTACLES	--	--	20 A	1					0	0						12
13	[EX] LIVING AREA RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] CART/STORAGE RECEPTACLES	14
15	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA RECEPTACLES	16
17	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA FIRE PLACE	18
19	[EX/N] STAFF LOUNGE 82 RECEPS	3/4	12	20 A	1	720	0					1	20 A	--	--	[EX] LIVING AREA LIGHTING	20
21	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SERVING AREA LIGHTING	22
23	[EX] ATTIC LIGHTIGN AND RECEPS	--	--	20 A	1					0	443	1	20 A	12	3/4	[EX/N] GENERAL LIGHTING	24
25	[EX] ATTIC LIGHTIGN AND RECEPS	--	--	20 A	1	0	0					1	20 A	--	--	[EX] LIVING AREA LIGHTING	26
27	[EX] LIVING ROOM TELEVISION	--	--	20 A	1			0	0			1	20 A	--	--	[EX] LIVING AREA 77 RECEPTACLES	28
29	[EX] LIVING ROOM FIRE PLACE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING AREA 77B RECEPS	30
31	[EX/N] *REFRIGERATOR RECEP	3/4	12	20 A	1	800	800					1	20 A	12	3/4	[EX/N] TOASTER RECEPTACLE	32
33	[EX/N] MICROWAVE RECEPTACLE	3/4	12	20 A	1			1200	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	36
37	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	38
39	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
					Total Load:	2320 VA		1200 VA		443 VA							
					Total Amps:	20 A		11 A		4 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	443 VA	125.00%	554 VA		
Other	800 VA	100.00%	800 VA	**Total Conn. Load:**	3943 VA
Receptacle	2720 VA	100.00%	2720 VA	**Total Est. Demand:**	4050 VA
				Total Conn.:	11 A
				Total Est. Demand:	11 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED. *INDICATES PROVIDE GFCI TYPE BREAKER

EX. Branch Panel: NC3

Location: NURSE MANAGER 46
Supply From: MDP-N
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] ROOM 501 RECEPTACLES	--	--	20 A	1	0	0					1	0 A	--	--	[EX] ROOM 502 RECEPTACLE	2
3	[EX] ROOM 503 RECEPTACLES	--	--	20 A	1			0	0			1	0 A	--	--	[EX] ROOM 504 RECEPTACLE	4
5	[EX] ROOM 505 RECEPTACLES	--	--	20 A	1					0	0	1	0 A	--	--	[EX] ROOM 506 RECEPTACLE	6
7	[EX] ROOM 507 RECEPTACLES	--	--	20 A	1	0	0					1	0 A	--	--	[EX] ROOM 508 RECEPTACLE	8
9	[EX] ROOM 509 RECEPTACLES	--	--	20 A	1			0	0			1	0 A	--	--	[EX] ROOM 510 RECEPTACLE	10
11	[EX] ROOM 601 RECEPTACLES	--	--	20 A	1					0	0	1	0 A	--	--	[EX] ROOM 602 RECEPTACLE	12
13	[EX] ROOM 603 RECEPTACLES	--	--	20 A	1	0	0					1	0 A	--	--	[EX] ROOM 604 RECEPTACLE	14
15	[EX] ROOM 605 RECEPTACLES	--	--	20 A	1			0	0			1	0 A	--	--	[EX] ROOM 606 RECEPTACLE	16
17	[EX] ROOM 607 RECEPTACLES	--	--	20 A	1					0	0	1	0 A	--	--	[EX] ROOM 608 RECEPTACLE	18
19	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1	0	0					1	0 A	--	--	[EX] CORRIDOR SCONCE LIGHTS	20
21	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1			0	0			1	0 A	--	--	[EX] LTG RM 602, 604, 605, 606	22
23	[EX] LTG RM 504, 506, 508, 509, 510	--	--	20 A	1					0	0	1	0 A	--	--	[EX] CORRIDOR SCONCE LIGHTS	24
25	[EX] LTG RM 501, 502, 503, 505, 507	--	--	20 A	1	0	97					1	20 A	12	3/4	[EX/N] CORRIDOR LIGHTING	26
27	[EX] ROOMS 601, 603 TOILET REC	--	--	20 A	1					0	0	1	0 A	--	--	[EX] ROOMS 604, 605 TOILET REC	28
29	[EX] RM 501, 602, 608 TOILET REC	--	--	20 A	1					0	0	1	0 A	--	--	[EX] ROOMS 606, 607 TOILET REC	30
31	[EX] ROOMS 509, 510 TOILET REC	--	--	20 A	1	0	0					1	0 A	--	--	[EX] ROOMS 503, 505 TOILET REC	32
33	[EX] ROOMS 504, 506 TOILET REC	--	--	20 A	1			0	0			1	0 A	--	--	[EX] ROOMS 507, 508 TOILET REC	34
35	[EX] RH2	--	--	20 A	1					0	0	1	0 A	--	--	[EX] WHIRLPOOL	36
37							540	0				1	0 A	--	--	[EX] BATH 73 RECEPTACLES	38
39	[EX] PANEL NC4	[EX]	[EX]	100 A	3			1440	0			1	0 A	--	--	[EX] CORRIDOR SCONCE LIGHTS	40
41										720	130	1	20 A	12	3/4	[EX/N] LINEN 49+51 LIGHTING	42
					Total Load:	633 VA		1440 VA		844 VA							
					Total Amps:	5 A		12 A		7 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	227 VA	125.00%	284 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	2916 VA
Receptacle	2700 VA	100.00%	2700 VA	**Total Est. Demand:**	2971 VA
				Total Conn.:	8 A
				Total Est. Demand:	8 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: NC4

Location: NURSE MANAGER 46
Supply From: NC3
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SERVING KITCHEN RECEP	2
3	[EX] WARMING CABINET RECEP	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	4
5	[EX] MICROWAVE RECEPTACLE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] WARMIGN CABINET RECEP	6
7	[EX] LIVING AREA RECEPTACLES	--	--	20 A	1	0	0					1	20 A	--	--	[EX] TOASTER RECEPTACLE	8
9	[EX] LIVING AREA TELEVISION	--	--	20 A	1			0	0			2	20 A	--	--	[EX] FOOD WELL WARMER	10
11	[EX] CORRIDOR RECEPTACLES	--	--	20 A	1					0	0						12
13	[EX] LIVING ROOM 76A RECEPS	--	--	20 A	1	0	0					1	20 A	--	--	[EX] LIVING AREA RECEPTACLES	14
15	[EX/N] SOILED UTILITY/LINEN 51 REC	3/4	12	20 A	1			540	900			1	20 A	12	3/4	[EX/N] NURSTATION RECEPTACLES	16
17	[EXN] CLEAN UTILITY/LINEN 49 REC	3/4	12	20 A	1					720	0	1	20 A	--	--	[EX] TELEVISION RECEPTACLE	18
19	[EX] SPARE	--	--	20 A	1	0	540					1	20 A	12	3/4	[EX/N] GENERAL RECEPTACLES	20
21	[EX] OFFICE 43+44 RECEPTACLES	--	--	20 A	1			0	0			1	20 A	--	--	[EX] FAMILY ROOM 84 RECEP	22
23	[EX] OFFICE 85+86 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] PATIO RECEPTACLES	24
25	[EX] LIVING AREA LIGHTING	--	--	20 A	1	0	0					1	20 A	--	--	[EX] GENERAL LIGHTING	26
27	[EX] BEAUTY SALON 87 RECEPS	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SERVING KITCHEN LIGHTING	28
29	[EX] BEAUTY SALON 87 RECEPS	--	--	20 A	1					0	0	1	20 A	--	--	[EX] BEAUTY SALON 87...	30
31	[EX] BEAUTY SALON 87 RECEPS	--	--	20 A	1	0	0					1	20 A	--	--	[EX] BEAUTY SALON 87...	32
33	[EX/N] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] BEAUTY SALON 87...	34
35	[EX] ATTIC LIGHTING AND RECEPS	--	--	20 A	1					0	0	1	20 A	--	--	[EX] LIVING+DINING AREA LIGHTING	36
37	[EX] ATTIC LIGHTING AND RECEPS	--	--	20 A	1	0	0					1	20 A	--	--	[EX] HALL 69 RECEPTACLES	38
39	[EX] WHIRLPOOL	--	--	30 A	1			0	0			1	20 A	--	--	[EX] LIVING ROOM TELEVISION	40
41	[EX] BATH 52+JAN 50 RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
					Total Load:	540 VA		1440 VA		720 VA							
					Total Amps:	5 A		12 A		6 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	2700 VA	100.00%	2700 VA		
				Total Conn. Load:	2700 VA
				Total Est. Demand:	2700 VA
				Total Conn.:	7 A
				Total Est. Demand:	7 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

NEW Branch Panel: NC5

Location: NURSE MANAGER 46
Supply From: MDP-N
Mounting: RECESSED
Enclosure: NEMA 1, LOCKABLE

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
NEW PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	ROOM 609 RECEPTACLES	3/4	12	20 A	1	900	900					1	20 A	12	3/4	ROOM 610 RECEPTACLES	2
3	ROOM 611 RECEPTACLES	3/4	12	20 A	1			900	900			1	20 A	12	3/4	ROOM 612 RECEPTACLES	4
5	ROOM 613 RECEPTACLES	3/4	12	20 A	1					900	900	1	20 A	12	3/4	ROOM 614 RECEPTACLES	6
7	ROOM 615 RECEPTACLES	3/4	12	20 A	1	900	900					1	20 A	12	3/4	ROOM 616 RECEPTACLES	8
9	ROOM 709 RECEPTACLES	3/4	12	20 A	1			900	900			1	20 A	12	3/4	ROOM 711 RECEPTACLES	10
11	ROOM 713 RECEPTACLES	3/4	12	20 A	1					900	900	1	20 A	12	3/4	ROOM 715 RECEPTACLES	12
13	ROOM 717 RECEPTACLES	3/4	12	20 A	1	900	900					1	20 A	12	3/4	ROOM 719 RECEPTACLES	14
15	ROOM 710 RECEPTACLES	3/4	12	20 A	1			900	1080			1	20 A	12	3/4	ROOM 712 RECEPTACLES	16
17	ROOM 714 RECEPTACLES	3/4	12	20 A	1					1080	1080	1	20 A	12	3/4	ROOM 716 RECEPTACLES	18
19	ROOM 718 RECEPTACLES	3/4	12	20 A	1	900	900					1	20 A	12	3/4	ROOM 720 RECEPTACLES	20
21	STORAGE 81/HALLWAY RECEP	3/4	12	20 A	1			900	1080			1	20 A	12	3/4	STORAGE 91/HALLWAY RECEP	22
23	STORAGE 81 / ROOM 609 & 611 LTG	3/4	12	20 A	1					255	190	1	20 A	12	3/4	CTL. POINT 83 / ROOM 610 & 612 LTG	24
25	ROOM 613 & 615 LTG	3/4	12	20 A	1	190	190					1	20 A	12	3/4	ROOM 614 & 616 LTG	26
27	STORAGE 91 / ROOM 709 & 711 LTG	3/4	12	20 A	1			255	190			1	20 A	12	3/4	CTL. POINT 91 / ROOM 710 & 712 LTG	28
29	ROOM 713 & 715 LTG	3/4	12	20 A	1					190	190	1	20 A	12	3/4	ROOM 714 & 716 LTG	30
31	ROOM 717 & 719 LTG	3/4	12	20 A	1	190	190					1	20 A	12	3/4	ROOM 718 & 720 LTG	32
33	SPARE	--	--	20 A	1			0	0			1	20 A	--	--	SPARE	34
35	SPARE	--	--	20 A	1					0	0	1	20 A	--	--	SPARE	36
37	SPARE	--	--	20 A	1	0	0					1	20 A	--	--	SPARE	38
39	SPACE	--	--	--	1			--	--			1	--	--	--	SPACE	40
41	SPACE	--	--	--	1					--	--	1	--	--	--	SPACE	42
					Total Load:	7939 VA		7991 VA		6562 VA							
					Total Amps:	68 A		68 A		55 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	2028 VA	125.00%	2535 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	22491 VA
Receptacle	20520 VA	74.37%	15260 VA	**Total Est. Demand:**	17728 VA
				Total Conn.:	62 A
				Total Est. Demand:	49 A

Notes:

NC2	NC3
NC4	NC5

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 ENGINEER KONRAD M. GREISER 2/02/26

AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS
FOR CONSTRUCTION

Revisions

No.	Description	Date

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number :
E607

EX. Branch Panel: SBB

Location: EMER. ELEC. 59
Supply From: MDP-SB
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: N/A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX] IT 53 RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] IT 53 RECEPTACLE	2
3	[EX] IT 53 RECEPTACLE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] IT 53 RECEPTACLE	4
5	[EX] IT 53 RECEPTACLE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] IT 53 RECEPTACLE	6
7	[EX] IT 53 RECEPTACLE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] IT 53 RECEPTACLE	8
9	[EX] IT 53 RECEPTACLE	--	--	2 A	1			0	0			1	20 A	--	--	[EX] IT 53 RECEPTACLE	10
11	[EX] OFFICE RECEPTACLES	--	--	20 A	1					0	0	1	20 A	--	--	[EX/N] SPARE	12
13	[EX/N] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] RECEPTION RECEPTACLE	14
15	[EX] WANDERGUARD	--	--	20 A	1			0	0			1	20 A	--	--	[EX] COMMUNITY ROOM RECEPS	16
17	[EX] MOTORIZED DOOR	--	--	20 A	1					0	0	2	15 A	--	--	[EX] DRYER	18
19	[EX] MAGLOCK POWER	--	--	20 A	1	0	0										20
21	[EX] PA HEAD END	--	--	20 A	1			0	0			1	20 A	--	--	[EX] HWP	22
23										0	0	1	20 A	--	--	[EX] HWP	24
25	[EX] WASHER	--	--	30 A	3	0	0					1	20 A	--	--	[EX] HWP	26
27								0	0			2	15 A	--	--	[EX] DCU-1 ODU/IDU	28
29	[EX] GWH1	--	--	20 A	1					0	0						30
31	[EX] GWH2	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	32
33	[EX] BFP HEATER	--	--	15 A	2			0	0			1	20 A	--	--	[EX] SPARE	34
35										0	0	1	20 A	--	--	[EX] SPARE	36
37	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	38
39	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	40
41	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	42
						Total Load:	0 VA		0 VA		0 VA						
						Total Amps:	0 A		0 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: LSB

Location: NURSE STATION 48
Supply From: MDP
Mounting: RECESSED
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Mains Rating: 300 A
MCB Rating: 300 A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX/N] EMERGENCY LIGHTING	--	--	20 A	1	71	0					1	20 A	--	--	[EX] FACU	2
3	[EX/N] EMERGENCY LIGHTING	--	--	20 A	1			45	0			1	20 A	--	--	[EX] PARKING LOT LIGHTING	4
5	[EX] EXTERIOR EMERGENCY...	--	--	20 A	1					0	0	1	20 A	--	--	[EX] PARKING LOT LIGHTING	6
7	[EX] EXTERIOR EMERGENCY...	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	8
9	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	10
11	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	12
13	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	14
15	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	16
17	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	18
19	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	20
21	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	22
23	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	24
25	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	26
27	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	28
29	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	30
31	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	32
33	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	34
35	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	36
37						197	195										38
39	[EX/N] PANEL "LSA"	EX	EX	100 A	3			0	225			3	100 A	EX	EX	[EX/N] PANEL "LSC"	40
41										128	457						42
						Total Load:	463 VA		268 VA		585 VA						
						Total Amps:	4 A		2 A		5 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1315 VA	125.00%	1644 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	1315 VA
				Total Est. Demand:	1644 VA
				Total Conn.:	4 A
				Total Est. Demand:	5 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX .Branch Panel: LSA

Location: NURSE STATION 29
Supply From: LSB
Mounting: RECESSED
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
EXISTING TO REMAIN PANELBOARD.

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX/N] EMERGENCY LIGHTING	3/4	12	20 A	1	197	0					1	20 A	--	--	[EX] SPARE	2
3	[EX] EXTERIOR EMERGENCY...	--	--	20 A	1			0	0			1	20 A	12	3/4	[EX/N] EXTERIOR EMERGENCY LTG	4
5	[EX] EXTERIOR LIGHTING	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	6
7	[EX] EXTERIOR LIGHTING	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	8
9	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	10
11	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	12
13	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	14
15	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	16
17	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	18
19	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	20
21	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	22
23	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	24
						Total Load:	197 VA		0 VA		128 VA						
						Total Amps:	2 A		0 A		1 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	325 VA	125.00%	406 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	325 VA
				Total Est. Demand:	406 VA
				Total Conn.:	1 A
				Total Est. Demand:	1 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

EX. Branch Panel: LSC

Location: EMER. ELEC. 59
Supply From: LSB
Mounting: EXISTING
Enclosure: EXISTING

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
EXISTING TO REMAIN PANELBOARD

CKT	Circuit Description	Cond	Wire	Trip	Poles	A		B		C		Poles	Trip	Wire	Cond	Circuit Description	CKT
1	[EX/N] EM CORRIDOR LIGHTING	3/4	12	20 A	1	195	0					1	20 A	--	--	[EX] SPARE	2
3	[EX/N] EXIT SIGNS	3/4	12	20 A	1			39	10			1	20 A	12	3/4	[EX/N] EM ENTRY WAY LIGHTING	4
5	[EX] EXTERIOR LIGHTING	--	--	20 A	1					0	281	1	20 A	12	3/4	[EX/N] EM CORRIDOR LIGHTING	6
7	[EX] EXTERIOR LIGHTING	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	8
9	[EX/N] EXTERIOR LIGHTING	3/4	6	20 A	1			176	0			1	20 A	--	--	[EX] SPARE	10
11	[EX/N] EXTERIOR LIGHTING	3/4	6	20 A	1					156	0	1	20 A	--	--	[EX] SPARE	12
13	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	14
15	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	16
17	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	18
19	[EX] SPARE	--	--	20 A	1	0	0					1	20 A	--	--	[EX] SPARE	20
21	[EX] SPARE	--	--	20 A	1			0	0			1	20 A	--	--	[EX] SPARE	22
23	[EX] SPARE	--	--	20 A	1					0	0	1	20 A	--	--	[EX] SPARE	24
						Total Load:	195 VA		225 VA		457 VA						
						Total Amps:	2 A		2 A		4 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	877 VA	125.00%	1096 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	877 VA
				Total Est. Demand:	1096 VA
				Total Conn.:	2 A
				Total Est. Demand:	3 A

Notes:
ONLY NEW/ADDED LOADS ARE SHOWN. REFER TO RECORD DRAWINGS FOR EXISTING LOADS. [EX] DENOTES EXISTING/UNCHANGED. [EX/N] DENOTES EXISTING AND NEW/CHANGED.

SBB	LSB
LSA	LSC

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 KENNETH M. HOWARD 2/02/26

CAMELLA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 52904 NORTH CAROLINA CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

No.	Description	Date
1	DHSR COMMENTS	01/30/26

date: 02/18/2025
commission: NH-3138

sheet title:
PANEL SCHEDULES

sheet number :
E608

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GENERAL DRAWING NOTES:

A. AREAS WITHIN BOUNDRY (▬•▬•▬) REQUIRE A SHORT-CIRCUIT STUDY. TRIP SETTINGS ON BREAKERS INDICATED SHALL BE ADJUSTED TO SELECTIVELY COORDINATE.

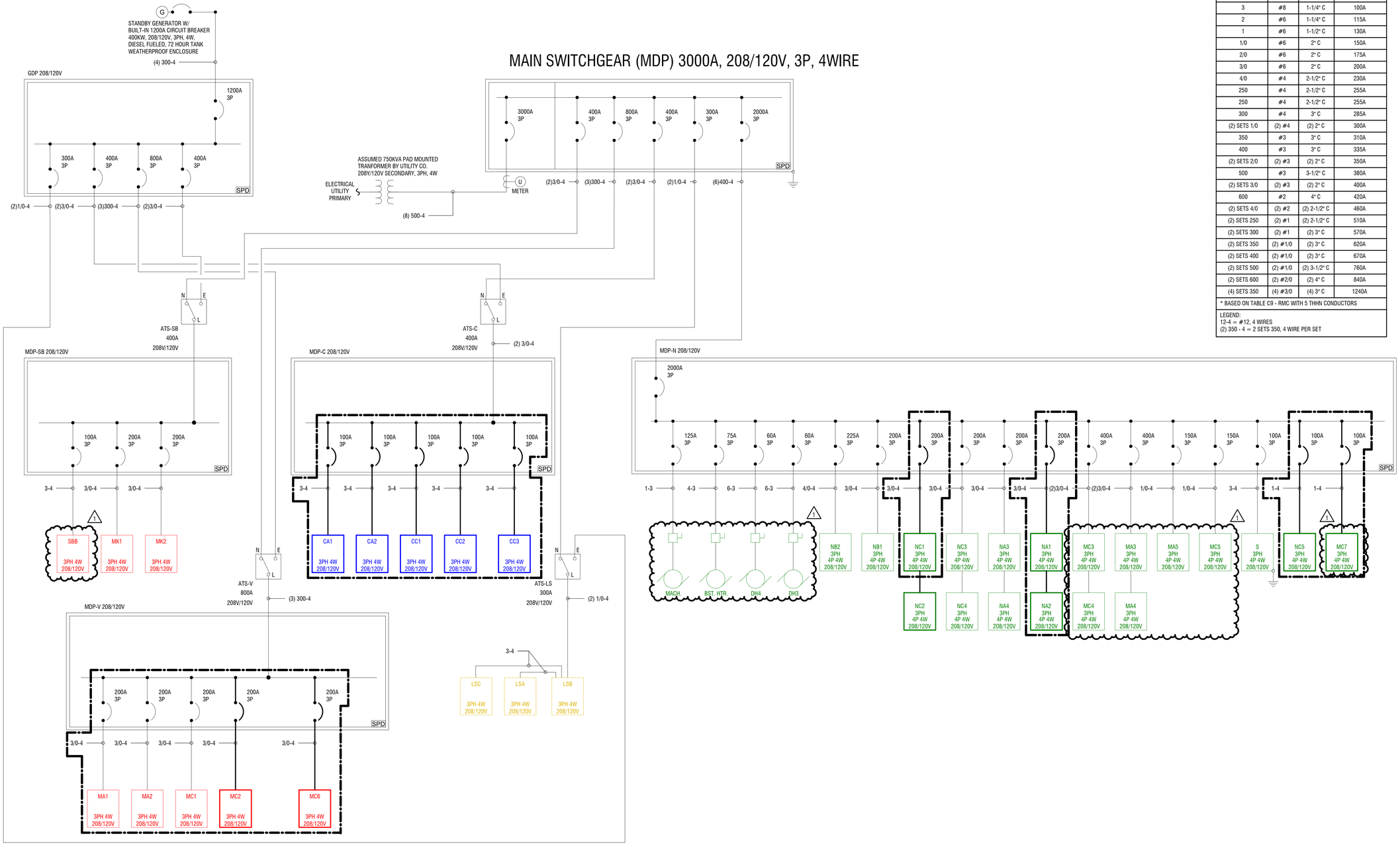
COPPER FEEDER SCHEDULE

CONDUCTOR AND NEUTRAL SIZE	EGC SIZE	CONDUIT(S)	310.15(B)(16) 75C
12	#12	3/4" C	20A
10	#10	3/4" C	30A
8	#10	3/4" C	50A
6	#8	1" C	65A
4	#8	1-1/4" C	85A
3	#8	1-1/4" C	100A
2	#6	1-1/4" C	115A
1	#6	1-1/2" C	130A
1/0	#6	2" C	150A
2/0	#6	2" C	175A
3/0	#6	2" C	200A
4/0	#4	2-1/2" C	230A
250	#4	2-1/2" C	255A
250	#4	2-1/2" C	255A
300	#4	3" C	285A
(2) SETS 1/0	(2) #4	(2) 2" C	300A
350	#3	3" C	310A
400	#3	3" C	335A
(2) SETS 2/0	(2) #3	(2) 2" C	350A
500	#3	3-1/2" C	380A
(2) SETS 3/0	(2) #3	(2) 2" C	400A
600	#2	4" C	420A
(2) SETS 4/0	(2) #2	(2) 2-1/2" C	460A
(2) SETS 250	(2) #1	(2) 2-1/2" C	510A
(2) SETS 300	(2) #1	(2) 3" C	570A
(2) SETS 350	(2) #1/0	(2) 3" C	620A
(2) SETS 400	(2) #1/0	(2) 3" C	670A
(2) SETS 500	(2) #1/0	(2) 3-1/2" C	760A
(2) SETS 600	(2) #2/0	(2) 4" C	840A
(4) SETS 350	(4) #3/0	(4) 3" C	1240A

* BASED ON TABLE C9 - RMC WITH 5 THHN CONDUCTORS

LEGEND:
12-4 = #12, 4 WIRES
(2) 350 - 4 = 2 SETS 350, 4 WIRE PER SET

MAIN SWITCHGEAR (MDP) 3000A, 208/120V, 3P, 4WIRE



1 E701 POWER DISTRIBUTION ONE-LINE DIAGRAM

NOT TO SCALE

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STUDIO WALES
architecture
3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 I www.STUDIO-WALES.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045398 JOHN M. HOWARD 2/02/26

AMELIA ASSOCIATES P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 52904 CHARLOTTE, N.C.

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions

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