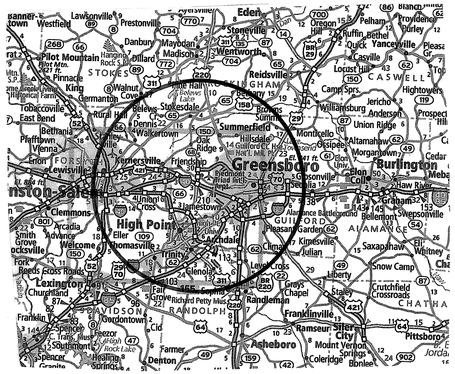
HEARTLAND LIVING AND REHABILITATION

9206 West Market Street
Greensboro, North Carolina 27235

125 BED NURSING FACILITY



VICINITY MAP



LOCATION MAP

SCHEDULE OF DRAWINGS:

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T 3- STORAGE BUILDING DATA - APPENDIX 'B'

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3 OF 19- SITE PLAN
4 OF 19- UTILITY PLAN
5 OF 19- LANDSCAPE PLAN
6 OF 19- GRADING PLAN
7 OF 19- DETAILED GRADING INSETS
8 OF 19- DRAINAGE PLAN
9 OF 19- DRAINAGE DETAILS AND CHARTS
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12 OF 19- LIFT STATION DETAILS
13 OF 19- EFFLUENT PRE-TREAMENT SYSTEM DETAIL
14 OF 19- DETAILS (EC1)
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16 OF 19- DETAILS (WATER)
17 OF 19- DETAILS (SEWER)
18 OF 19- DETAILS (ROAD)
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SANITARY SEWER OUTFALL

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3 OF 12- ABBREVIATIONS AND LEGEND
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5 OF 12- UTILITY PLAN AND PROFILE STA 0+00 - 9+00
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7 OF 12- UTILITY PLAN AND PROFILE STA 19+75.00 - 29+26.82
8 OF 12- UTILITY PLAN AND PROFILE STA 29+26.82 - 39+19.10
9 OF 12- UTILITY PLAN AND PROFILE STA 39+19.10 - 45+16.48
10 OF 12- UTILITY PLAN AND PROFILE STA 0+00-9+42.27
11 OF 12- UTILITY PLAN AND PROFILE STA 9+42.27 - 15+32.78
12 OF 12- DETAILS

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S 1.2- PARTIAL FOUNDATION PLAN
S 1.3- PARTIAL FOUNDATION PLAN
S 1.4- PARTIAL FOUNDATION PLAN
S 1.5- PARTIAL FOUNDATION PLAN
S 1.6- PARTIAL FOUNDATION PLAN
S 1.7- PARTIAL FOUNDATION PLAN
S 1.8- PARTIAL FOUNDATION PLAN
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S 2.2- PARTIAL FRAMING PLAN
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S 7- STRUCTURAL DETAILS
S 8- STRUCTURAL DETAILS
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A 6- 1/4" SCALE BEDROOM PLANS
A 7- 1/4" SCALE NURSES' STATIONS / RECEPTION AREA
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A 15- NURSES' STATION COUNTER PLANS AND INTERIOR ELEVATIONS
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P 3- PARTIAL PLUMBING PLAN
P 4- PARTIAL PLUMBING PLAN
P 5- PARTIAL PLUMBING PLAN
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P 7- ENLARGED PLUMBING PLANS
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M 7- PARTIAL MECHANICAL PLAN
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E 2- PARTIAL LIGHTING PLAN
E 3- PARTIAL LIGHTING PLAN
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E 5- PARTIAL LIGHTING PLAN
E 6- ATTIC LIGHTING AND POWER PLAN
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E 8- PARTIAL POWER PLAN
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E 11- KITCHEN POWER PLAN AND DETAILS
E 12- ENLARGED BEDROOM ELECTRICAL PLANS
E 13- FIRE ALARM PLAN
E 14- FIRE ALARM RISER
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E 16- PUBLIC ADDRESS SYSTEM PLAN
E 17- PANEL SCHEDULES
E 18- PANEL SCHEDULES
E 19- PANEL SCHEDULES
E 20- PANEL SCHEDULES
E 21- PANEL SCHEDULES AND POWER RISER

DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

T 1

NORTH CAROLINA BUILDING CODE SUMMARY

125 BED NURSING FACILITY

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: HEARTLAND LIVING AND REHABILITATION - 125 BED NURSING FACILITY

Address: 1509 W. MARKET ST., 1R KIDD ROAD, AND 1220 W. MARKET STREET GOLFAX, NORTH CAROLINA Zip Code: 27235

Owner/Authorized Agent: JIM SCHMIDLIN Phone 910-283-1215 E-mail JIM.SCHMIDLIN@CENTURY-CARE.COM

Owned By: ☐ City/County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City _____ ☒ County GUILFORD ☐ State

DESIGNER OF RECORD:

LEAD DESIGN PROFESSIONAL: DAVID R. POLSTON, ARCHITECT

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	DAVID R. POLSTON, ARCH.	DAVID R. POLSTON	3275	(910) 350-8900	polstonarch@bellsouth.net
Civil	FLEMING ENGINEERING, INC.	BRENT SIEVERS, P.E.	27339	(336) 544-6432	bsievers@fleconsulting.com
Electrical	DAVID BITTS & ASSOC.	DAVID BITTS	#27138	(910) 791-8616	office@dbaeng.com
Fire Alarm	DAVID BITTS & ASSOC.	DAVID BITTS	#27138	(910) 791-8616	office@dbaeng.com
Plumbing	DAVID BITTS & ASSOC.	DAVID BITTS	#27138	(910) 791-8616	office@dbaeng.com
Mechanical	DAVID BITTS & ASSOC.	DAVID BITTS	#27138	(910) 791-8616	office@dbaeng.com
Sprinkler–Standpipe	DESIGN / BUILD BY SPRINKLER CONTRACTOR				
Structural	HAUSER-CREECH	TED DETERS	#48492	(919) 624-2940	tad@hauser-creech.com
Retaining Walls > 5' High					
Other					

2018 EDITION OF NC CODE: ☒ New Building ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core – Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction – Shell/Core – Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level 1 ☐ Level 2 ☐ Level 3
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) _____ CURRENT OCCUPANCY(S) (CH.3) _____

RENOVATED: (date) _____ PROPOSED OCCUPANCY(S) (CH.3) _____

RISK CATEGORY (table 1604.5): Current: ☐ I ☐ II ☐ III ☐ IV
Proposed: ☐ I ☐ II ☒ III ☐ IV

BASIC BUILDING DATA:

Construction Type: ☐ I–A ☐ II–A ☐ III–A ☐ IV ☒ V–A
☐ I–B ☐ II–B ☐ III–B ☐ V–B

Sprinklers: ☐ No ☐ Partial ☒ Yes ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D

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

Fire District: ☒ No ☐ Yes (Primary) Flood Hazard Area: ☐ No ☒ Yes

Special Inspections Required: ☐ No ☒ Yes

Gross Building Area Table:

FLOOR:	EXISTING (SQFT.)	NEW (SQFT.)	SUB–TOTAL
3rd Floor			
2nd Floor			
1st. Floor		76,085 SF.	
Mazanine			
Basement			
Total		76,085 SF.	

ALLOWABLE AREA

Primary Occupancy Classification(s):

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 Condition ☐ 1 ☐ 2
☒ I–2 Condition ☒ 1 ☐ 2
☐ I–3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4
☐ I–4
Mercantile ☐
Residential ☐ R–1 ☐ R–2 ☐ R–3 ☐ R–4
Storage ☒ S–1 Moderate ☐ S–2 Low ☐ S–3 High–piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): _____

Incidental Uses (Table 509): LAUNDRY ROOMS OVER 100 SQUARE FEET, GROUP I-2 WASTE AND LINEN, COLLECTION ROOMS, GROUP I-2 STORAGE ROOMS OVER 100 SQUARE FEET, GROUP I-2 COMMERCIAL KITCHENS, AND GROUP I-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET.

Special Uses (Chapter 4 – List Code Selections): SECTION 407

Special Provisions (Chapter 5 – List Code Selections): N/A

Mixed Occupancy: ☐ No ☒ Yes Seperation ____ 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.

☐ Seperated Use (508.4) – See below for area calcs.
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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + ...= ____ ≤ 1.00

NOTE: FACILITY IS DIVIDED W/ (5) 2 HOUR FIREWALLS - BUILDINGS # 1, # 2, # 3, AND # 4
ALLOWABLE AREA PER TABLE 506.2 IS FOR SPRINKLED ONE STORY

	STORY NO.	DESCR. AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA [4]	(C) AREA FOR FRONTAGE INCREASE [1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED [2,3]
BLDG. # 1	1	I-2	20,657 SF.	38,000 SF.	NOT USED	38,000 SF.
BLDG. # 2	1	I-2	14,084 SF.	38,000 SF.	NOT USED	38,000 SF.
BLDG. # 3	1	I-2	36,321 SF.	38,000 SF.	NOT USED	38,000 SF.
BLDG. # 4	1	I-2	4,823 SF.	38,000 SF.	NOT USED	38,000 SF.

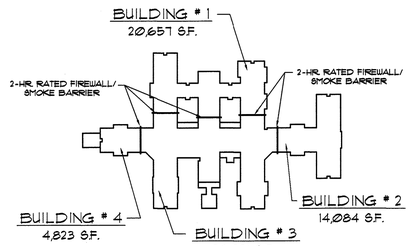
[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a puplic way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase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

[2] Unlimited area applicable under conditions of Section 507.

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

[4] The maximum area of parking garages must comply with 406.5.4.

[5] Frontage increase is based on the unsprinklered area value in Table 506.2.



SQUARE FOOTAGE BREAKDOWN KEY

PROPOSED BUILDING AREA:

BUILDING # 1 = 20,657 S.F. IS LESS THAN 38,000 S.F. ALLOWED
BUILDING # 2 = 14,084 S.F. IS LESS THAN 38,000 S.F. ALLOWED
BUILDING # 3 = 36,321 S.F. IS LESS THAN 38,000 S.F. ALLOWED
BUILDING # 4 = 4,823 S.F. IS LESS THAN 38,000 S.F. ALLOWED

TOTAL BUILDING S.F. = 76,085 S.F.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET (Table 504.3)	50'	38'	TABLE 504.3
BUILDING HEIGHT IN STORIES (Table 504.4)	1 STORY	1 STORY	TABLE 504.4

FIRE PROTECTION REQUIREMENTS

LIFE SAFETY PLAN SHEET NO., IF PROVIDED SHEET L8-1 AND L8-2

BUILDING ELEMENT	FIRE SEPERATION DISTANCE (FEET)	RATING REQ'D.	RATING PROVIDED * (W/ REDUCTION)	DETAIL NO. AND SHEET NO.	DESIGN NO. FOR RATED ASSEMBLY	DESIGN NO. FOR RATED PENETRATION	DESIGN NO. FOR RATED JOINTS
Structural frame, including columns, girders, and trusses							
Bearing walls							
Exterior	> 30'	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
North	> 30'	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
East	> 30'	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
West	> 30'	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
South	> 30'	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
Interior	N/A	1-HR.	1-HR.	DTL. # 4 / F62	U-305		
Nonbearing walls and partitions Exterior walls							
North	N/A	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
East	N/A	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
West	N/A	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
South	N/A	1-HR.	1-HR.	DTL. # 2 / F61	U-356		
Interior walls	N/A	0	———	DTL. # 4 / F62	U-305		
Floor construction including supporting beams and joists							
Floor Ceiling Assembly	N/A	1-HR.	1-HR.	———	SLAB ON GRADE		
Column Supporting Floor	N/A	N/A	N/A	N/A	N/A		
Roof construction including supporting beams and joists							
Roof Ceiling Assembly	N/A	1-HR.	1-HR.	DTL. # 1 / F61	RC-2602		
Column Supporting Roof	N/A	1-HR.	1-HR.	DTL. # 7 / F63	X-328		
Shafts – Exit	N/A	N/A	N/A	N/A	N/A		
Shafts – Other	N/A	N/A	N/A	N/A	N/A		
Corridor Seperation	N/A	0	———	DTL. # 4 / F62	U-305		
Occup./Fire Barrier Sep.	N/A	1-HR.	1-HR.	DTL. # 4 / F62	U-305		
Party/Fire Wall Sep.	N/A	2-HR.	2-HR.	DTL. # 5 / F63 DTL. # 3 / F61	U-901 / U-302		
Smoke Barrier Sep.	N/A	1-HR.	1-HR.	DTL. # 4 / F62	U-305		
Tenant/Dwelling Unit/ Sleeping Unit Seperation	N/A	N/A	N/A	N/A	N/A		
Incidental Use Sep.	N/A	1-HR.	1-HR.	DTL. # 4 / F62	U-305		

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPERATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (Table 705.8)	ALLOWABLE AREA (PERCENT)	ACTUAL SHOWN ON PLANS (PERCENT)
GREATER THAN 30 FEET	UP. 8	UNLIMITED	N/A

ALL WINDOWS GREATER THAN 30 FEET TO REAL AND ASSUMED PROPERTY LINES

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes ☐ Partial _____
Panic Hardware: ☐ No ☒ Yes

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET NO. SHEET L8-1 AND L8-2

☒ Fire and/or smoke rated wall locations (Chapter 7)
1 ☒ Assume 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)
☒ Occupancy Use for each area as it relates to occupant load calculations (Table 1004.1.2)
☒ Occupant loads for each area
1 ☒ Exit access travel distances (1017)
☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
☒ Dead end lengths (1020.4)
☒ Clear exit widths for each door
☒ Maximum calculated occupant load capacity each exit door can accomodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A seperate schematic plan indicating where fire rated floor / ceiling and/or roof structure is provided for puposes of occupancy seperation.
1 ☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and amount of delay (1010.1.9.7)
1 ☒ Location of doors with electromagnetic egress locks (407.12) 1
☒ Location of doors equipped with hold–open devices
☐ Location of emergency escape windows (1030)
☒ The square footage of each fire area (202)
☒ 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

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQ.	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQ.	TYPE A UNITS PROVIDED	TYPE B UNITS REQ.	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
107	5	107	0	0	5	107	107

80 UNITS ARE PRIVATE BEDROOMS
18 UNITS ARE SEMI-PRIVATE BEDROOMS
ALL UNITS ARE COMPLETELY ACCESSIBLE.

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL NO. OF PARKING SPACES (REGULAR – NON–H/C)		NO. OF ACCESSIBLE SPACES PROVIDED			TOTAL ACCESS. PROVIDED
	REQUIRED	PROVIDED	REGULAR W/ 5' ACCESS AISLE	VAN SPACES WITH 132" AISLE	VAN SPACES WITH 8' ACCESS AISLE	
FACILITY SPACES	63	115	4		6	10
TOTAL	63	115				10

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REG.	ACCESS.
SPACE	EXISTING	N/A	N/A	N/A	N/A	N/A		N/A	N/A
	NEW	9	9	0	10	10		1	1
	REQUIRED	2	2	0	2	2		1	1

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., described below)
DHSR CONSTRUCTION SECTION

ENERGY SUMMARY:

ENERGY REQUIRMENTS:

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 with code: ☐ No ☐ Yes (provide code or statutory reference): _____

Exempt Building: ☐ No ☐ Yes (provide code or statutory reference): _____

Climate Zone: ☐ 3A ☒ 4A ☐ 5A

METHOD OF COMPLIANCE: Energy Code ☒ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

THERMAL ENVELOPE: (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly: GWB, WOOD TRUSSES, DECKING, SHINGLES
U–Value of total assembly: .021
R–Value of insulation: 42
Skylights in each assembly: NOT APPLICABLE
U–Value of skylight: N/A
total square footage of skylights in each assembly: 0

Exterior Walls (each assembly) DECORATIVE BLOCK / HARDIE-BOARD,
Description of assembly: WOOD STUDS, GWB, INT. SIDE / OSB, EXT. SIDE
U–Value of total assembly: .061
R–Value of insulation: 19
Openings (windows or doors w/ glazing)
U–Value of assembly: .38
Solar heat gain coefficient: .25
projection factor: N/A
Door R–Values: 2.1

Walls below grade (each assembly) NOT APPLICABLE
Description of assembly: _____
U–Value of total assembly: _____
R–Value of insulation: _____

Floors over unconditioned space (each assembly) NOT APPLICABLE
Description of assembly: _____
U–Value of total assembly: _____
R–Value of insulation: _____

Floors – slab on grade
Description of assembly: CONC. SLAB ON GRADE
U–Value of total assembly: N/A
R–Value of insulation: 15
Horizontal/Vertical Requirment: 24" HORIZONTAL, 16" VERTICAL
Slab Heated: _____

1 I-2 OCCUPANCY WITH GREATER THAN 50 RESIDENTS AND NOT HAVING SURGERY OR EMERGENCY TREATMENT RISK CATEGORY III PER NCSBC TABLE 1604.5 IS MORE STRINGENT THAN CATEGORY II FOR A-2, B, AND S-1 OCCUPANCIES.

STRUCTURAL DESIGN DATA SHEET (ASCE 7-10):

RISK CATEGORY III
OCCUPANCY CLASSIFICATION INSTITUTIONAL GROUP I-2 (2015 IBC)
IMPORTANCE FACTORS:
I seismic 1.25
I snow 1.10
LIVE LOADS:
ROOF 20 psf
CATWALK 40 psf
FLOOR 100 psf
SNOW LOAD:
Pg 15 psf
WIND LOAD:
Basic Wind Speed 120 MPH
Exposure Category C
Wind Base Shear (MWFRS)
Vx 143.2 K
Vy 85.4 K
SEISMIC LOAD:
Spectral Response
Ss 0.168
S1 0.082
Sds 0.179
Sd1 0.131
Seismic Design Category B
Seismic Site Class D (Default)
Structural System Light framed walls sheathed w/ structural panels
R-Factor 6.5
Analysis Procedure Equivalent Lateral Force
Seismic Base Shear
Vx 40.5 K
Vy 40.5 K

SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:
Per ASCE 7 Chapter 13 all non-structural components are exempt.

LATERAL DESIGN CONTROL:
X-Direction Wind
Y-Direction Wind

SOIL BEARING PROPERTIES:
Allowable Bearing Capacity 2000 psf (Presumptive)

SEE MECHANICAL DRAWINGS FOR MECHANICAL METHOD OF COMPLIANCE BUILDING DATA

SEE ELECTRICAL DRAWINGS FOR ELECTRICAL METHOD OF COMPLIANCE BUILDING DATA

DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
7.2.2026

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

1 REVISED: 08-24-2026 PER CITY OF GREENSBORO REVIEW

T 2

NORTH CAROLINA BUILDING CODE SUMMARY

EXTERIOR STORAGE BUILDING

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: HEARTLAND LIVING AND REHABILITATION - STORAGE BUILDING FOR NEW 125 BED NURSING FACILITY
Address: 9206 W. MARKET ST., 118 KIDD ROAD, AND 9230 W. MARKET STREET GOLFAX, NORTH CAROLINA Zip Code: 27235

Owner/Authorized Agent: JIM SCHMIDLIN Phone 910-263-1978 E-mail jimschmidlin@century-care.com

Owned By: ☐ City/County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City _____ ☒ County GUILFORD ☐ State

DESIGNER OF RECORD:

DESIGNER	FIRM NAME	LICENSE #	TELEPHONE #	E-MAIL
LEAD DESIGN PROFESSIONAL:	DAVID R. POLSTON, ARCHITECT			
Architectural	DAVID R. POLSTON, ARCH	DAVID R. POLSTON, 3275	(910) 350-9500	polstonlatt@bellsouth.net
Civil	FLEMING ENGINEERING, INC.	BRENT SIEVERS, P.E. 27339	(336) 544-6422	bsievers@falconeng.com
Electrical	DAVID BITTS & ASSOC.	DAVID BITTS #027138	(910) 791-8616	office@dbaeng.com
Fire Alarm	DAVID BITTS & ASSOC.	DAVID BITTS #027138	(910) 791-8616	office@dbaeng.com
Plumbing	DAVID BITTS & ASSOC.	DAVID BITTS #027138	(910) 791-8616	office@dbaeng.com
Mechanical	DAVID BITTS & ASSOC.	DAVID BITTS #027138	(910) 791-8616	office@dbaeng.com
Sprinkler–Standpipe	DESIGN / BUILD BY SPRINKLER CONTRACTOR			
Structural	HAUSER-CREECH	TED DETERS #048492	(919) 604-2540	ted@hauser-creech.com
Retaining Walls > 5' High				
Other				

2018 EDITION OF NC CODE: ☒ New Building ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core – Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction – Shell/Core – Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level 1 ☐ Level 2 ☐ Level 3
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) _____ CURRENT OCCUPANCY(S) (CH.3) _____
RENOVATED: (date) _____ PROPOSED OCCUPANCY(S) (CH.3) _____
RISK CATEGORY (table 1604.5): Current: ☐ I ☐ II ☐ III ☐ IV
Proposed: ☐ I ☐ II ☐ III ☐ IV

BASIC BUILDING DATA:

Construction Type: ☐ I–A ☐ II–A ☐ III–A ☐ IV ☐ V–A ☐ I–B ☐ II–B ☐ III–B ☒ V–B
Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes (Primary) Flood Hazard Area: ☒ No ☐ Yes
Special Inspections Required: ☒ No ☐ Yes

Gross Building Area Table:

FLOOR:	EXISTING (SQFT.)	NEW (SQFT.)	SUB–TOTAL
3rd Floor			
2nd Floor			
1st. Floor		1,103 S.F.	
Mezanine			
Basement			
Total		1,103 S.F.	

ALLOWABLE AREA

Primary Occupancy Classification(s):

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 Condition ☐ 1 ☐ 2
☐ I–2 Condition ☐ 1 ☐ 2
☐ I–3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4
☐ I–4
Mercantile ☐
Residential ☐ R–1 ☐ R–2 ☐ R–3 ☐ R–4
Storage ☐ S–1 Moderate ☒ S–2 Low ☐ S–3 High–piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): N/A

Incidental Uses (Table 509): N/A

Special Uses (Chapter 4 – List Code Selections): _____

Special Provisions (Chapter 5 – List Code Selections: N/A

Mixed Occupancy: ☒ No ☐ Yes Seperation ____ 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.

☐ Seperated Use (508.4) – See below for area calcs.
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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \ldots\ldots = \quad \leq 1.00$$

STORY NO.	DESCR. AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA [4]	(C) AREA FOR FRONTAGE INCREASE [1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED [2,3]
1	B-2	1,103 S.F.	13,500 S.F.	NOT USED	13,500 S.F.

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a puplic way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100\ [F/P-0.25] \times W/30 =$ _____ (%)

[2] The sprinkler increase per Section 506.3 is as follows:
a. Multi–story building I_s = 200 percent
b. Single story building I_s = 300 percent

[3] Unlimited area applicable under conditions of Sections 507.

[4] Maximum Building Area = total number of stories in the building x E (506.4).

[5] The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET (Table 504.3)	40'	20'	TABLE 504.3
BUILDING HEIGHT IN STORIES (Table 504.4)	1 STORY	1 STORY	TABLE 504.4

FIRE PROTECTION REQUIREMENTS

LIFE SAFETY PLAN SHEET NO., IF PROVIDED _____

BUILDING ELEMENT	FIRE SEPERATION DISTANCE (FEET)	RATING REQ'D.	RATING PROVIDED (W/ REDUCTION)	DETAIL NO. AND SHEET NO.	DESIGN NO. FOR RATED ASSEMBLY	DESIGN NO. FOR RATED PENETRATION	DESIGN NO. FOR RATED JOINTS
Structural frame, including columns, girders, and trusses							
Bearing walls							
Exterior	> 30'	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
North	> 30'	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
East	> 30'	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
West	> 30'	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
South	> 30'	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
Interior	N/A	1-HR.	1-HR.	DTL. * 4 / FS2	U-305		
Nonbearing walls and partitions Exterior walls							
North	N/A	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
East	N/A	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
West	N/A	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
South	N/A	1-HR.	1-HR.	DTL. * 2 / FS1	U-356		
Interior walls	N/A	Ø	———	DTL. * 4 / FS2	U-305		
Floor construction including supporting beams and joists							
Floor Ceiling Assembly	N/A	1-HR.	1-HR.	———	SLAB ON GRADE		
Column Supporting Floor	N/A	N/A	N/A	N/A	N/A		
Roof construction including supporting beams and joists							
Roof Ceiling Assembly	N/A	1-HR.	1-HR.	DTL. * 1 / FS1	RC-2602		
Column Supporting Roof	N/A	1-HR.	1-HR.	DTL. * 7 / FS3	X-528		
Shafts – Exit	N/A	N/A	N/A	N/A	N/A		
Shafts – Other	N/A	N/A	N/A	N/A	N/A		
Corridor Seperation	N/A	Ø	———	DTL. * 4 / FS2	U-305		
Occup./Fire Barrier Sep.	N/A	1-HR.	1-HR.	DTL. * 4 / FS2	U-305		
Party/Fire Wall Sep.	N/A	2-HR.	2-HR.	DTL. * 5 / FS3 DTL. * 3 / FS1	U-901 / U-302		
Smoke Barrier Sep.	N/A	1-HR.	1-HR.	DTL. * 4 / FS2	U-305		
Tenant/Dwellng Unit/ Sleeping Unit Seperation	N/A	N/A	N/A	N/A	N/A		
Incidental Use Sep.	N/A	1-HR.	1-HR.	DTL. * 4 / FS2	U-305		

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPERATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (Table 705.8)	ALLOWABLE AREA (PERCENT)	ACTUAL SHOWN ON PLANS (PERCENT)
GREATER THAN 30 FEET	UP, N5	UNLIMITED	N/A

ALL WINDOWS GREATER THAN 30 FEET TO REAL AND ASSUMED PROPERTY LINES

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☒ No ☐ Yes
Exit Signs: ☒ No ☐ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection Systems: ☒ No ☐ Yes ☐ Partial _____
Panic Hardware: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET NO. _____

☐ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assume 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)
☐ 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 (Tables 1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4)
☐ Clear exit widths for each door
☐ Maximum calculated occupant load capacity each exit door can accomodate based on egress width (1005.3)
☐ Actual occupant load for each exit door
☐ A seperate schematic plan indicating where fire rated floor / ceiling and/or roof structure is provided for puposes of occupancy seperation.
☐ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold–open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ 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

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQ.	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQ.	TYPE A UNITS PROVIDED	TYPE B UNITS REQ.	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

NOT APPLICABLE

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL NO. OF PARKING SPACES (REGULAR – NON–H/C)		NO. OF ACCESSIBLE SPACES PROVIDED			TOTAL ACCESS. PROVIDED
	REQUIRED	PROVIDED	REGULAR W/ 5' ACCESS AISLE	VAN SPACES WITH 132" AISLE	VAN SPACES WITH 8' ACCESS AISLE	
FACILITY SPACES	SEE SHEET T-2 FOR FACILITY PARKING					
TOTAL						

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REG.	ACCESS.
SPACE	EXISTING	N/A	N/A	N/A	N/A	N/A		N/A	N/A
	NEW	N/A	N/A	N/A	N/A	N/A		N/A	N/A
	REQUIRED	N/A	N/A	N/A	N/A	N/A		N/A	N/A

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., described below)

ENERGY SUMMARY:

ENERGY REQUIRMENTS:

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 with code: ☐ No ☐ Yes (provide code or statutory reference): _____
Exempt Building: ☐ No ☐ Yes (provide code or statutory reference): _____
Climate Zone: ☐ 3A ☒ 4A ☐ 5A
METHOD OF COMPLIANCE: Energy Code ☒ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

THERMAL ENVELOPE: (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly: GWB, WOOD TRUSSES, DECKING, SHINGLES
U–Value of total assembly: .021
R–Value of insulation: 42
Skylights in each assembly: NOT APPLICABLE
U–Value of skylight: N/A
total square footage of skylights in each assembly: 0

Exterior Walls (each assembly) DECORATIVE BLOCK / HARDIE-BOARD, WOOD STUDS, GWB. INT. SIDE / OSB. EXT. SIDE
Description of assembly: _____
U–Value of total assembly: .051
R–Value of insulation: 19
Openings (windows or doors w/ glazing)
U–Value of assembly: .38
Solar heat gain coefficient: .25
projection factor: N/A
Door R–Values: 2.1

Walls below grade (each assembly) NOT APPLICABLE
Description of assembly: _____
U–Value of total assembly: _____
R–Value of insulation: _____

Floors over unconditioned space (each assembly) NOT APPLICABLE
Description of assembly: _____
U–Value of total assembly: _____
R–Value of insulation: _____

Floors – slab on grade
Description of assembly: CONC. SLAB ON GRADE
U–Value of total assembly: N/A
R–Value of insulation: 15
Horizontal/Vertical Requirment: 24" HORIZONTAL, 16" VERTICAL
Slab Heated: _____

STRUCTURAL DESIGN DATA SHEET (ASCE 7-10):

RISK CATEGORY III (ASCE 7-10)

OCCUPANCY CLASSIFICATION INSTITUTIONAL GROUP I-2 (2015 IBC)

IMPORTANCE FACTORS:
I seismic 1.25
I snow 1.10

LIVE LOADS:
ROOF 20 psf
CATWALK 40 psf
FLOOR 100 psf

SNOW LOAD:
Pg 15 psf

WIND LOAD:
Basic Wind Speed 120 MPH
Exposure Category C
Wind Base Shear (MWFRS)
Vx 143.2 K
Vy 85.4 K

SEISMIC LOAD:
Spectral Response
Ss 0.168
S1 0.082
Sds 0.179
Sd1 0.131
Seismic Design Category B
Seismic Site Class D (Default)
Structural System Light framed walls sheathed w/ structural panels
R-Factor 6.5
Analysis Procedure Equivalent Lateral Force
Seismic Base Shear
Vx 40.5 K
Vy 40.5 K

SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:
Per ASCE 7 Chapter 13 all non-structural components are exempt.

LATERAL DESIGN CONTROL:
X-Direction Wind
Y-Direction Wind

SOIL BEARING PROPERTIES:
Allowable Bearing Capacity 2000 psf (Presumptive)

SEE MECHANICAL DRAWINGS FOR MECHANICAL METHOD OF COMPLIANCE BUILDING DATA

SEE ELECTRICAL DRAWINGS FOR ELECTRICAL METHOD OF COMPLIANCE BUILDING DATA

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T-3

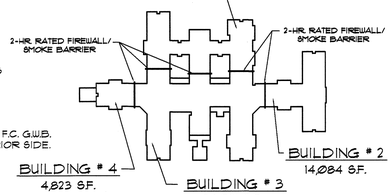
A. OCCUPANCY:
PRIMARY: I-2 (125 BED NURSING FACILITY)
ACCESSORY: A-2 (DINING ROOM/LIVING ROOMS, ETC.) / BUSINESS (OFFICES)) S-1 (MODERATE STORAGE)

OCCUPANCY CLASSIFICATION:
NON-SEPERATED MIXED OCCUPANCY

B. CONSTRUCTION TYPE: TYPE V A
SPRINKLERS: NFPA 13, W/ QUICK RESPONSE HEADS
BUILDING HEIGHT: ONE STORY

C. CONSTRUCTION DESCRIPTIONS:
1.) FLOORS - 4" CONCRETE SLAB ON GRADE.
2.) EXTERIOR WALLS - 2" X 6" WOOD STUDS W/ 5/8" F.C. G.W.B. ON INSIDE OF STUDS W/ 7/16" O.S.B. ON EXTERIOR SIDE. U.L. ASSEMBLY U-356 1-HR. RATED
3.) INTERIOR BEARING WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE. U.L. ASSEMBLY U-305 1-HR. RATED
4.) INTERIOR NON-BEARING WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE. U.L. ASSEMBLY U-305 1-HR. RATED
5.) FIRE BARRIER WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE. U.L. ASSEMBLY U-305 1-HR. RATED
6.) SMOKE BARRIER WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE. U.L. ASSEMBLY U-305 1-HR. RATED
7.) 2-HR. MASONRY FIREWALL / SMOKE BARRIER - 12" 75 % SOLID C.M.U. U.L. ASSEMBLY U-901 2-HR. RATED
8.) CANOPY/ PORCH COLUMNS - DOUBLE LAYER 5/8" FIRECODE GWB WRAP / U.L. ASSEMBLY X-528 1-HR. RATED
9.) CANOPY/ PORCH BEAMS - DOUBLE LAYER 5/8" FIRECODE GWB WRAP / U.L. BEAM ASSEMBLY N-502 1-HR. RATED
10.) INTERIOR COLUMNS - DOUBLE LAYER 5/8" FIRECODE GWB WRAP / U.L. ASSEMBLY X-528 1-HR. RATED
11.) INTERIOR BEAMS - DOUBLE LAYER 5/8" FIRECODE GWB WRAP / U.L. BEAM ASSEMBLY N-502 1-HR. RATED
12.) CEILING - MANUFACTURED WOOD TRUSSES W/ PLYWOOD DECK AND FIBERGLASS CLASS "A" SHINGLES / FIRE PROTECTION TO BE TWO LAYERS 5/8" FIRECODE GWB CEILING THROUGH-OUT / CEILING HUNG REGISTER OPENINGS TO BE PROTECTED W/U.L. RADIATION DAMPERS / GYPSUM ASSOCIATION RC 2602 - 1-HR. RATED

SMOKE COMPARTMENT "A"
20,657 S.F.



SQUARE FOOTAGE BREAKDOWN KEY

NOTE:
ALL TRAVEL DISTANCES SHOWN ARE TO CENTER OF CORRIDOR INTERSECTIONS AND TO THE 2-HOUR RATED FIREWALL / SMOKE BARRIERS.

WALL RATING LEGEND
- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
- 2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NCSBC
- SMOKE RESISTANT INCIDENTAL WALL (SR W)

EXIT 42" 210 — CLEAR OPENING OF EXIT; EXIT CAPACITY (1005.3.2)

NOTE: CLEAR OPENING OF EXIT AT DOUBLE DOOR LOCATIONS IS FOR SINGLE LEAF OF DOOR.

EXIT LOCATION DESIGNATION

SMOKE COMPARTMENT "B"
2,271 S.F.

SMOKE COMPARTMENT "G"
4,823 S.F.

SMOKE COMPARTMENT "F"
22,145 S.F.

SMOKE COMPARTMENT "E"
5,242 S.F.

SMOKE COMPARTMENT "D"
9,134 S.F.

SMOKE COMPARTMENT "C"
11,813 S.F.

LIFE SAFETY PLAN KEY:
- TYPICAL EXIT LIGHT
- WALL MOUNT EXIT LIGHT
- P DOOR W/ PANIC HARDWARE

D. ALLOWABLE AREA: (TABLE 506.2)
I-2 (V A): 38,000 S.F. (SPRINKLED, 1-STORY)
A-2 (V A): 46,000 S.F. (SPRINKLED, 1-STORY))
B (V A): 72,000 S.F. (SPRINKLED, 1-STORY)
S-1 (V A): 36,000 S.F. (SPRINKLED, 1-STORY)
I-2 IS THE MOST RESTRICTIVE LIMITATION OF AREA FOR THE CONSTRUCTION TYPE.

E. PROPOSED BUILDING AREA:
BUILDING # 1 = 20,657 S.F. IS LESS THAN 38,000 S.F. ALLOWED
BUILDING # 2 = 14,084 S.F. IS LESS THAN 38,000 S.F. ALLOWED
BUILDING # 3 = 36,521 S.F. IS LESS THAN 38,000 S.F. ALLOWED
BUILDING # 4 = 4,823 S.F. IS LESS THAN 38,000 S.F. ALLOWED
TOTAL BUILDING S.F. = 76,085 S.F.

F. SPECIAL OCCUPANCY REQUIREMENTS (CHAPTER 4) - 407 GROUP I-2
1. CORRIDOR WALLS ARE NON-RATED AND CONSTRUCTED TO FORM A BARRIER TO LIMIT THE TRANSFER OF SMOKE (DETAILS # 2703 AND 2704) (407.3.) IN ACCORDANCE W/ SECTION 710
2. THE BUILDING IS SUB-DIVIDED INTO SMOKE COMPARTMENTS WHICH DO NOT EXCEED 22,500 S.F. / HAVE TRAVEL DISTANCES WHICH DO NOT EXCEED 200 FEET, AND PROVIDE 30 NET SQUARE FEET OF REFUGE ON EA. SIDE OF ADJACENT COMP. (DETAIL # 2702 (1-HR.) & # 2701 (2-HR.)) (407.5.)
3. THE BUILDING IS PROTECTED THROUGH-OUT WITH AN NFPA-13 AUTOMATIC SPRINKLER SYSTEM AND QUICK RESPONSE HEADS (407.6)
4. THE BUILDING IS PROTECTED THROUGH-OUT WITH A NFPA 72 SMOKE DETECTION / NOTIFICATION AUTOMATIC FIRE ALARM SYSTEM (407.7 AND 407.8)
5. ALL MAGNETIC LOCKED EXTERIOR DOORS TO COMPLY WITH NCSBC 407.12 SPECIAL LOCKING ARRANGEMENT FOR LICENSED GROUP I-2.

G. FIRE RESISTANT RATED CONSTRUCTION (CHAPTER 7)
1. EXTERIOR WALLS (DETAILS # 2604 TYPICAL)
   A. PERIMETER OPENINGS ALL EXCEED 30 FEET TO PROPERTY LINE - NO LIMIT ON UNPROTECTED OPENINGS PER TABLE 705.8.
2. FIREWALLS (706):
   A. FIREWALL CONSTRUCTION IS A 2-HOUR ASSEMBLY (DETAIL # 2701). (TABLE 706.4 NOTE a)
   B. FIREWALL TO EXTEND FROM FINISHED FLOOR TO 3'-0" ABOVE ROOF DECK AND 3'-0" BEYOND OUTSIDE WALLS.
3. FIRE BARRIERS (707):
   A. FIRE BARRIERS ARE 1-HOUR ASSEMBLIES.
   B. FIRE BARRIERS EXTEND FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE 1-HR. FLOOR / CEILING ASSEMBLY ABOVE.
4. SMOKE BARRIERS (709):
   A. SMOKE BARRIERS ARE 1-HOUR ASSEMBLIES.
   B. SMOKE BARRIERS EXTEND FROM OUTSIDE WALL TO OUTSIDE WALL AND FLOOR SLAB TO ROOF DECK. (DETAILS # 2702, # 3105, AND # 3106)
5. OPENING PROTECTION (TABLE 716.5):
   A. TWO HOUR FIREWALLS: 1 1/2-HOUR RATED DOORS
   B. ONE-HOUR FIRE BARRIERS: 3/4-HOUR RATED DOORS.
   C. ONE-HOUR SMOKE BARRIER: 20 MINUTE RATED DOORS.
6. DRAFTSTOPPING:
   ATTIC DRAFTSTOPPING IS NOT REQUIRED SINCE BUILDING IS PROTECTED WITH A NFPA 13 SPRINKLER SYSTEM IN ATTIC. (718.4.3 EXCEPTION))

H. INTERIOR FINISHES (CHAPTER 8)
1. WALL AND CEILING FINISHES (803)
   ALL INTERIOR WALL AND CEILING FINISHES ARE SPECIFIED TO BE CLASS 'A' OR 'B' WHICH EXCEEDS TABLE 803.11 REQUIREMENTS FOR OCCUPANCY TYPES I-2, A-2, B, AND S-1 WITHIN SPRINKLED BUILDINGS.
2. INTERIOR FLOOR FINISHES (804)
   ALL INTERIOR FLOOR FINISHES ARE SPECIFIED TO BE CLASS I OR II WHICH EXCEEDS 804.4.2. (EXCEPTION) FOR OCCUPANCY TYPES I-2, A-2, B, AND S-1 WITHIN SPRINKLERED BUILDINGS.

I. FIRE PROTECTION SYSTEM (CHAPTER 9)
1. AUTOMATIC SPRINKLER SYSTEM (903)
   THE BUILDING IS PROTECTED THROUGH-OUT WITH A NFPA-13 AUTOMATIC SPRINKLER SYSTEM.
2. ALTERNATE FIRE-EXTINGUISHING SYSTEM (904)
   THE COMMERCIAL COOKING HOOD IS PROTECTED WITH AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM IN COMPLIANCE WITH NFPA 96 AND NFPA 17 OR 17A.
3. PORTABLE FIRE EXTINGUISHERS.
   PORTABLE FIRE EXTINGUISHERS ARE LOCATED THROUGH-OUT THE FACILITY AS REQUIRED BY NFPA 10 AND IBC. (906)
4. FIRE ALARM / DETECTION SYSTEM (907).
   THE BUILDING IS PROTECTED THROUGH-OUT WITH AN AUTOMATIC FIRE DETECTION / ALARM SYSTEM WHICH COMPLIES WITH NFPA72.

J. MEANS OF EGRESS (CHAPTER 10):
1. OCCUPANCY LOAD ALLOWANCES (TABLE 1004.1.2)
   A. A-2 (WITH-OUT FIXED SEATS) 15 S.F. NET (TABLE / CHAIRS)
   B. B (OFFICES) 100 S.F. GROSS
   C. I-2
      1. OUTPATIENT AREA: NOT APPLICABLE
      2. SLEEPING AREAS: 120 GROSS
      3. INPATIENT TREATMENT AREAS: 240 GROSS
   D. S-1 300 S.F. GROSS (ACCESSORY STORAGE)
2. EGRESS WIDTH PER OCCUPANT (TABLE 1005.3.2)
   A. I-2: 0.20" FOR LEVEL AND SPRINKLED
   B. THERE ARE NO STAIRWAYS.
3. EXIT SIGNS (1013)
   EXIT SIGNS PROVIDED AS REQUIRED AND ARE POWERED BY THE EMERGENCY ELECTRICAL GENERATOR.
4. EGRESS ILLUMINATION (1008)
   EGRESS ILLUMINATION PROVIDED AS REQUIRED AND ARE POWERED BY THE EMERGENCY ELECTRICAL GENERATOR.

J. MEANS OF EGRESS (CHAPTER 10) (CONTINUED):
5. EGRESS DOOR SIZES (1010.1.1)
   ALL EGRESS DOORS ARE 3'-8" WIDE AND 6'-8" HIGH FOR I-2 OCCUPANCY (MOST STRINGENT X 6'-8" IS REQUIRED).
6. PANIC AND FIRE EXIT HARDWARE (1010.1.10)
   ALL EGRESS DOORS ARE SPECIFIED TO HAVE PANIC HARDWARE TO COMPLY WITH A-2 REQUIREMENT.
7. NUMBER OF EXITS (1006):
   A. ALL AREAS HAVE TWO MEANS OF EGRESS.
   B. PHYSICAL THERAPY = 38 EXCEEDS 750 S.F. THEREFORE, TWO EXITS ARE PROVIDED FROM THESE ROOMS.
   C. ALL RESIDENT ROOMS OPEN TO THE CORRIDOR.
8. EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)
   A. A-2: 250 FEET WITH SPRINKLERS
   B. B: 300 FEET WITH SPRINKLERS
   C. S-1: 250 FEET WITH SPRINKLERS
   D. I-2: 200 FEET WITH SPRINKLERS
   E. I-2: MORE STRINGENT AND USED.
9. CORRIDORS (1020)
   A. WIDTHS (TABLE 1020.2): 96 INCHES PROVIDED FOR I-2 WHICH IS THE MOST STRINGENT.
   B. DEAD END CORRIDORS (1020.4.):
      NO DEAD END CORRIDORS ARE PROVIDED.
10. CORRIDOR FIRE RESISTANCE RATINGS:
   A. A-2: 0-HOUR WITH SPRINKLERS
   B. B: 0-HOURS WITH SPRINKLERS
   C. I-2: 0-HOURS WITH SPRINKLERS
   D. S-1: 0 HOURS WITH SPRINKLERS

LS101 **FLOOR PLAN** — GENERAL LIFE SAFETY REQUIREMENTS
SCALE: 1" = 20'-0"

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7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

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LS 1

OCCUPANCY / EGRESS CALCULATIONS

A. BUSINESS OCCUPANCY (B):

OFFICE GROUP ONE -	509 S.F. / 100 =	6
OFFICE GROUP TWO -	634 S.F. / 100 =	7
MDS OFF. * 8 / M.R. OFF. * 8A -	105 S.F. / 100 =	2
CONF. ROOM * 9 -	368 S.F. / 100 =	4
ADMIN. OFFICE * 10 -	208 S.F. / 100 =	3
DIALYSIS SUITE * 18 -	1,086 S.F. / 100 =	11
MED. DIR. * 25 -	126 S.F. / 100 =	2
DON OFF. * 32 -	110 S.F. / 100 =	2
OFFICE * 42 -	132 S.F. / 100 =	2
NURSES AID / TRAIN'G. * 43 -	547 S.F. / 100 =	6
LAUNDRY * 46 -	812 S.F. / 100 =	9
OFFICES * 51 & * 52 -	184 S.F. / 100 =	2
BEAUTY SALON * 54 -	290 S.F. / 100 =	3
ADON OFFICE * 63 -	120 S.F. / 100 =	2
LAUNDRY * 80 -	921 S.F. / 100 =	10

B. ASSEMBLY (A-2):

LIVING * 27 / DINING * 28 -	1,194 S.F. / 15 =	80
DUNCAN TAVERN * 37 -	559 S.F. / 15 =	33
ACT. ROOM * 57 -	482 S.F. / 15 =	33
ALZ. LIVING / DINING * 69 -	695 S.F. / 15 =	47
DINING * 76 / LIVING * 77 -	1,194 S.F. / 15 =	80
LIVING ROOM * 84 -	613 S.F. / 15 =	41
CHAPEL * 85 -	269 S.F. / 15 =	18

C. INSTITUTIONAL (I-2):

SLEEPING AREAS:	32,819 S.F. / 120 =	274
IN-PATIENT TREATMENT AREA:	2,198 S.F. / 240 =	10

D. MODERATE STORAGE (S-1):

STORAGE * 19 -	184 S.F. / 300 =	1
STORAGE * 22 -	249 S.F. / 300 =	1
CLN./CL. * 20 -	122 S.F. / 300 =	1
STORAGE * 24 -	163 S.F. / 300 =	1
SLN. / SL. * 33 -	184 S.F. / 300 =	1
STORAGE * 38B -	120 S.F. / 300 =	1
STORAGE * 40 -	163 S.F. / 300 =	1
STORAGE * 41 -	163 S.F. / 300 =	1
CENT. SUPPLY * 44 -	344 S.F. / 300 =	2
DRY STORAGE * 38D -	233 S.F. / 300 =	1
HOUSE-KPG.' * 50 -	184 S.F. / 300 =	1
MAINT. OFFICE * 53 -	245 S.F. / 300 =	1
STORAGE * 56 -	179 S.F. / 300 =	1
STORAGE * 62 -	163 S.F. / 300 =	1
SLN./SL. * 66A -	124 S.F. / 300 =	1
CLN./ CL. * 70 -	163 S.F. / 300 =	1
STORAGE * 74 -	163 S.F. / 300 =	1
STORAGE * 78 -	163 S.F. / 300 =	1
SLN. / SL., * 79 -	163 S.F. / 300 =	1
CLN./CL. * 80 -	163 S.F. / 300 =	1
STORAGE * 81 -	115 S.F. / 300 =	1
WHL-CHR. STOR. * 83 -	150 S.F. / 300 =	1

TOTAL OCCUPANCY LOAD: 710 PEOPLE

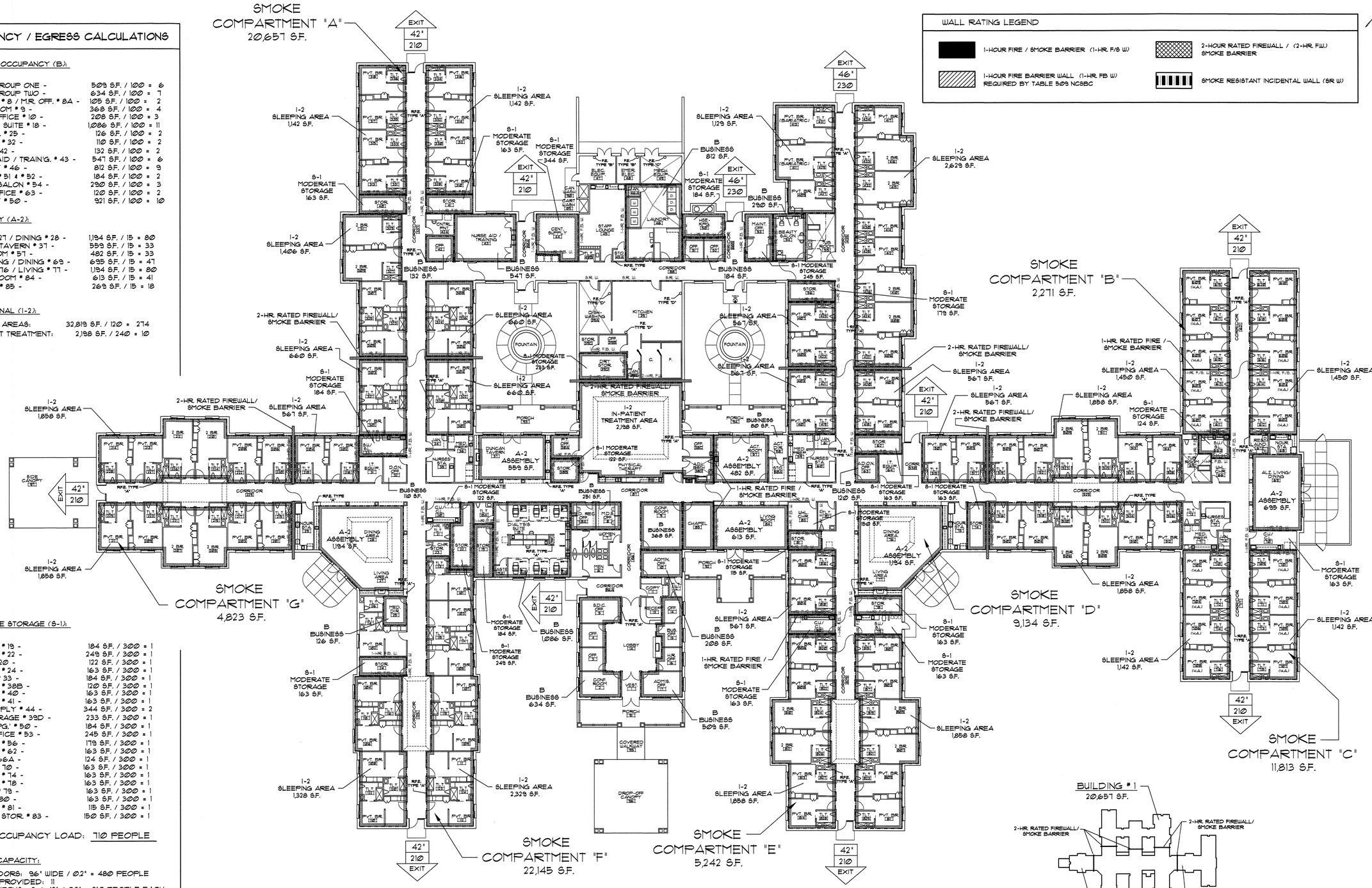
E. EGRESS CAPACITY:

1. CORRIDORS: 96" WIDE / 0.2" = 480 PEOPLE
2. EXITS PROVIDED: 11
3. EXIT WIDTHS: 9 @ 42" / 0.2" = 210 PEOPLE EACH
   2 @ 46" / 0.2" = 230 PEOPLE EACH
4. EXIT CAPACITY: 210 X 9 = 1,890 PEOPLE
   230 X 2 = 460 PEOPLE
   TOTAL OF 2,350 PEOPLE

F. RESIDENTIAL STORAGE:

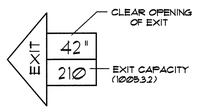
EXT. STORAGE BUILDING - 960 S.F.

960 S.F. / 125 = 7.68 S.F. PER PERSON



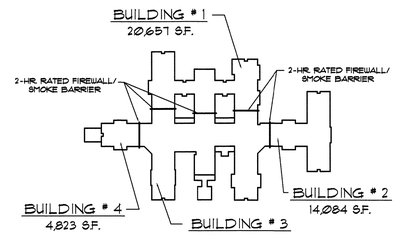
WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
- 2-HOUR RATED FIREWALL / SMOKE BARRIER (2-HR. F.W.)
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NCSBC
- SMOKE RESISTANT INCIDENTAL WALL (SR W)



NOTE: CLEAR OPENING OF EXIT AT DOUBLE DOOR LOCATIONS IS FOR SINGLE LEAF OF DOOR.

EXIT LOCATION DESIGNATION



SQUARE FOOTAGE BREAKDOWN KEY

L-S201 FLOOR PLAN SCALE: 1" = 20'-0"

OCCUPANCY CLASSIFICATIONS AND EGRESS LOADS

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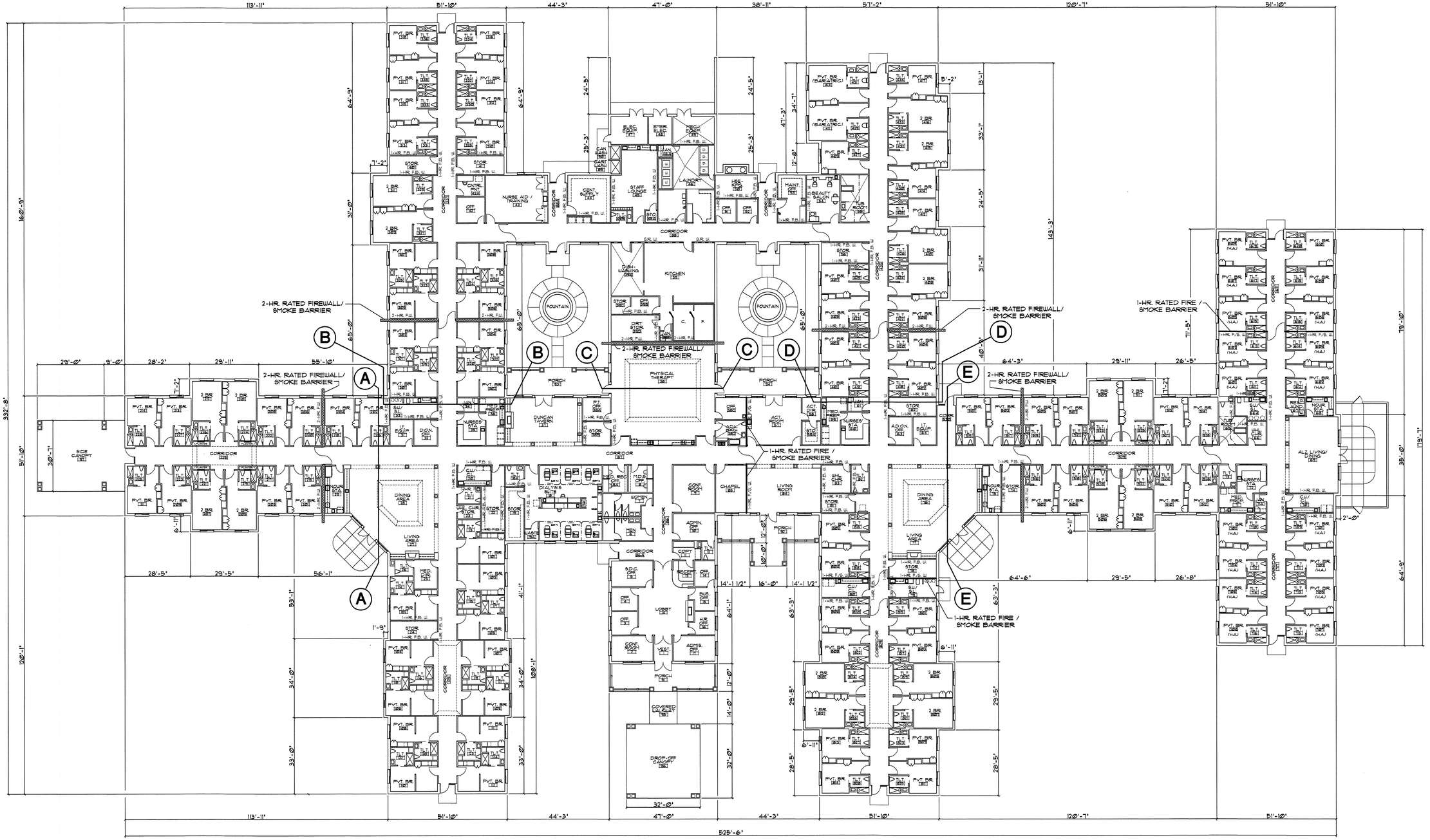
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LS 2



101 **FLOOR PLAN** COMPOSITE FLOOR PLAN

SCALE: 1" = 20'-0"

WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
- 2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NCSBC
- SMOKE RESISTANT INCIDENTAL WALL (SR W)

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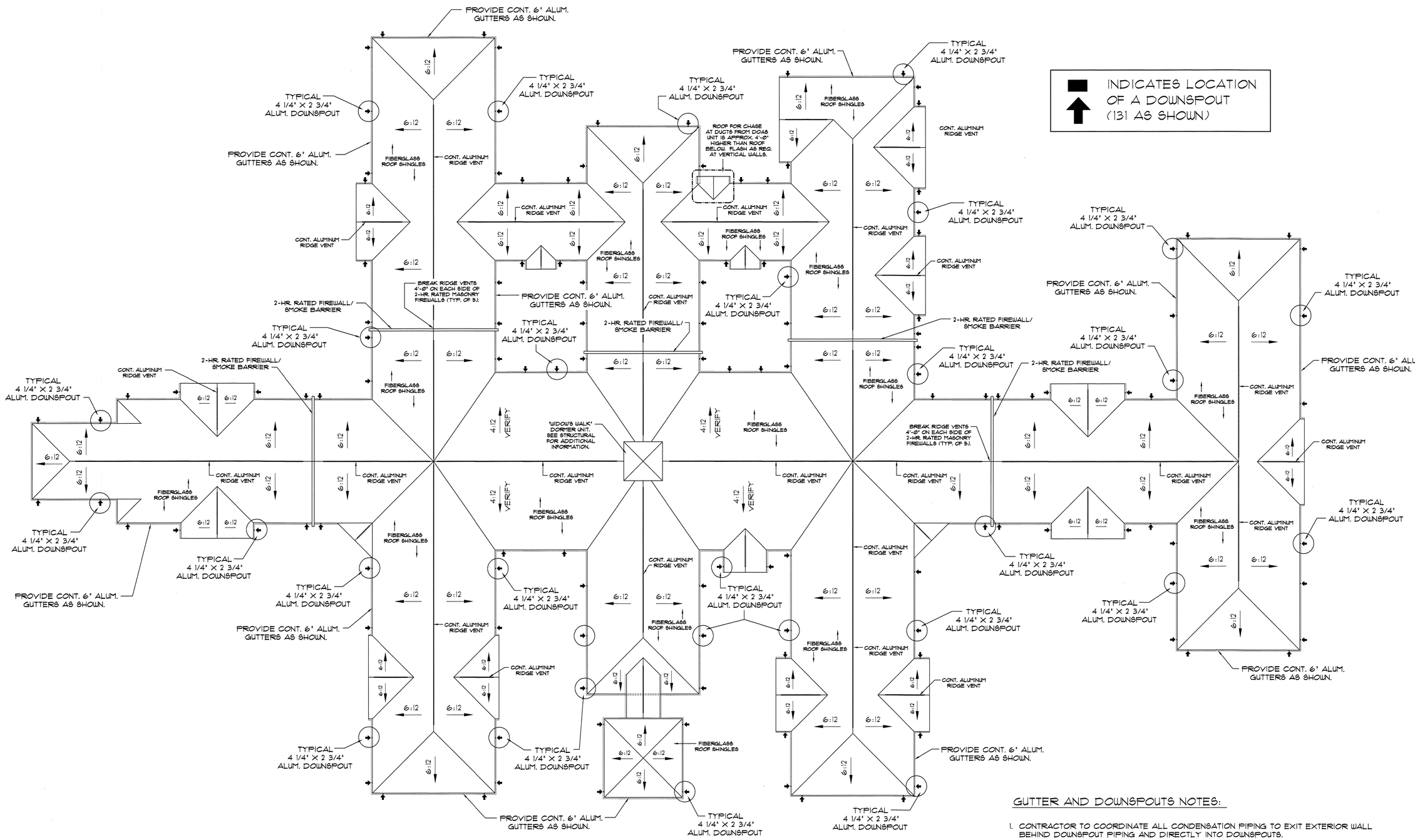
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A 1



GUTTER AND DOWNSPOUTS NOTES:

1. CONTRACTOR TO COORDINATE ALL CONDENSATION PIPING TO EXIT EXTERIOR WALL BEHIND DOWNSPOUT PIPING AND DIRECTLY INTO DOWNSPOUTS.
2. SEE SITE PLANS FOR LOCATIONS OF DOWNSPOUTS PIPED TO YARD INLETS.
3. DOWNSPOUTS AT PORCH AND CANOPY LOCATIONS ARE TO BE PIPED DOWN THE SIDE OF COLUMNS WHEN POSSIBLE.
4. COVER BRICK EXPANSION JOINTS WITH DOWNSPOUTS WHEN POSSIBLE.
5. DOWNSPOUTS SHOWN ARE APPROXIMATE LOCATIONS. COORDINATE PLACEMENT WITH ADJACENT ARCHITECTURAL DETAILS AND MECHANICAL EQUIPMENT.

1.101 **ROOF PLAN** — COMPOSITE ROOF PLAN
SCALE: 1" = 20'-0"

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A 1.1

SEE SHEET A-3
FOR GENERAL
FLOOR PLAN NOTES

PLAN KEY

201 FLOOR PLAN PARTIAL PLAN

SCALE: 1/8" = 1'-0"

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HEARTLAND LIVING AND REHABILITATION

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A 2

GENERAL FLOOR PLAN NOTES:

1. 5/8" TYPE 'X' GWB. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS / BATH, SHOWER ROOM, TUB ROOM, SPA, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE 'XP' MUST BE USED.
2. ALL EXTERIOR STUDS TO BE 2" X 6" WOOD STUDS AT 16" O.C. ALL INTERIOR LOAD-BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C. ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS AND RECESSED MECHANICAL EQUIPTENT.
5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE GWB. TO INSURE 1-HOUR RATING OF PARTITIONS.
6. GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
7. ALL 1-HOUR FIRE / SMOKE BARRIERS (1-HR. F/S W) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL * 21/02 FOR CONSTRUCTION OF THESE PARTITIONS.
8. PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

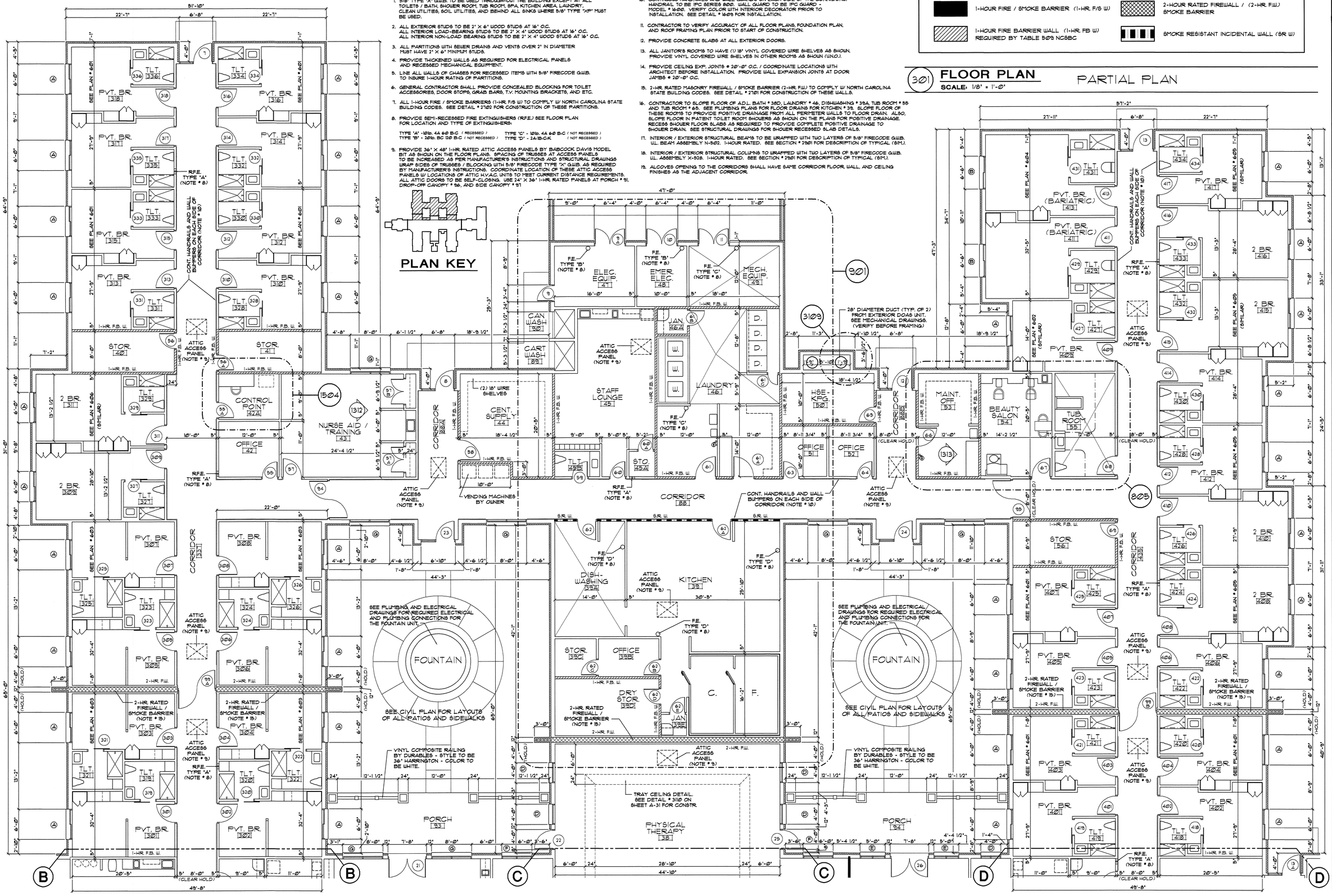
   TYPE 'A' - 10lb. 4A 60 B:C (RECESSED) — TYPE 'C' - 10lb. 4A 60 B:C (NOT RECESSED)
   TYPE 'B' - 20lb. BC 120 B:C (NOT RECESSED) — TYPE 'D' - 2A:lB:C.K. (NOT RECESSED)
9. PROVIDE 36" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIS MODEL BIT AS SHOUN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS WRAP SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE 'X' GWB. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATIONS OF ATTIC H.V.A.C. UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING. USE 24" X 36" 1-HR. RATED PANELS AT PORCH * 91, DROP-OFF CANOPY * 96, AND SIDE CANOPY * 97
10. CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IFC SERIES 800. WALL GUARD TO BE IFC GUARD - MODEL * 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL * 16/05 FOR INSTALLATION.
11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (1) 18" VINYL COVERED WIRE SHELVES AS SHOUN. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOUN (U.N.O.).
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION. PROVIDE WALL EXPANSION JOINTS AT DOOR JAMBS @ 30'-0" O.C.
15. 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. F.W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL * 21/01 FOR CONSTRUCTION OF THESE WALLS.
16. CONTRACTOR TO SLOPE FLOOR OF A.D.L. BATH * 38D, LAUNDRY * 46, DISHWASHING * 39A, TUB ROOM * 55 AND TUB ROOM * 65. SEE PLUMBING PLANS FOR FLOOR DRAINS FOR KITCHEN * 39. SLOPE FLOOR OF THESE ROOMS TO PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. ALSO, SLOPE FLOOR IN PATIENT TOILET ROOM SHOWERS AS SHOUN ON THE PLANS FOR POSITIVE DRAINAGE. RECESS SHOUER FLOOR SLABS AS REQUIRED TO PROVIDE COMPLETE POSITIVE DRAINAGE TO SHOUER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOUER RECESSED SLAB DETAILS.
17. INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE GWB. U.L. BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION * 25/01 FOR DESCRIPTION OF TYPICAL (BIM.).
18. INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE GWB. U.L. ASSEMBLY X-928. 1-HOUR RATED. SEE SECTION * 25/01 FOR DESCRIPTION OF TYPICAL (BIM.).
19. ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.

WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
- 2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NCSBC
- SMOKE RESISTANT INCIDENTAL WALL (SR W)

301 **FLOOR PLAN** — PARTIAL PLAN
SCALE: 1/8" = 1'-0"

PLAN KEY



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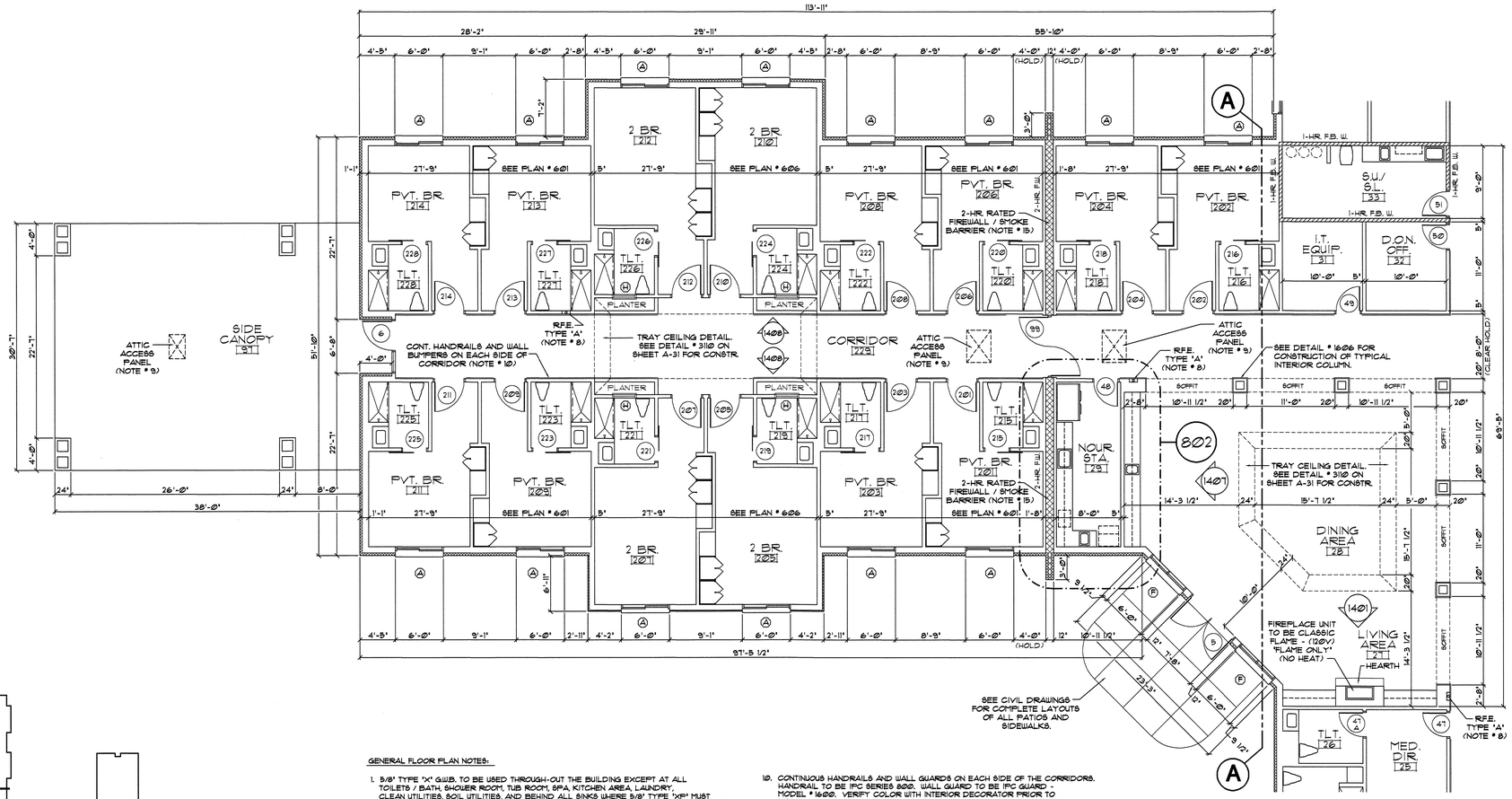
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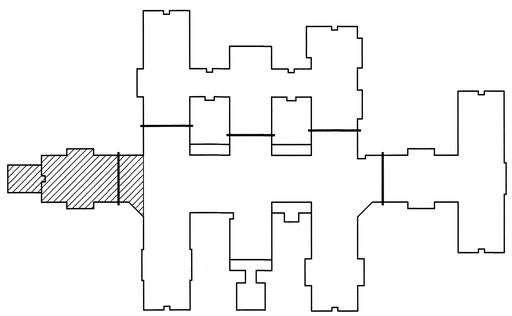
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A 3

WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W.)
- 2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W.) REQUIRED BY TABLE 509 NCSBC
- SMOKE RESISTANT INCIDENTAL WALL (SR W.)





PLAN KEY

GENERAL FLOOR PLAN NOTES:

1. 5/8" TYPE 'X' G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS / BATH, SHOWER ROOM, TUB ROOM, SPA, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE "XP" MUST BE USED.
2. ALL EXTERIOR STUDS TO BE 2" X 6" WOOD STUDS AT 16" O.C. ALL INTERIOR LOAD-BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C. ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS AND RECESSED MECHANICAL EQUIPMENT.
5. LINE ALL WALLS OR CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF PARTITIONS.
6. GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
7. ALL 1-HOUR FIRE / SMOKE BARRIERS (1-HR. F/S W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL * 2702 FOR CONSTRUCTION OF THESE PARTITIONS.
8. PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

   TYPE 'A' - 10lb. 4A 60 B:C (RECESSED) — TYPE 'C' - 10lb. 4A 60 B:C (NOT RECESSED)
   TYPE 'B' - 20lb. BC 120 B:C (NOT RECESSED) — TYPE 'D' - 2A:1B:C.K (NOT RECESSED)

9. PROVIDE 36" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIS MODEL BIT AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS WRAP SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE 'X' G.W.B. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATIONS OF ATTIC H.V.A.C. UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING. USE 24" X 36" 1-HR. RATED PANELS AT PORCH * 91, DROP-OFF CANOPY * 96, AND SIDE CANOPY * 97.
10. CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IFC SERIES 800. WALL GUARD TO BE IFC GUARD - MODEL * 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL * 1603 FOR INSTALLATION.
11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (1) 18" VINYL COVERED WIRE SHELVES AS SHOWN. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (U.N.O.).
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION. PROVIDE WALL EXPANSION JOINTS AT DOOR JAMBS @ 20'-0" O.C.
15. 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. F.W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL * 2701 FOR CONSTRUCTION OF THESE WALLS.
16. CONTRACTOR TO SLOPE FLOOR OF A.D.L. BATH * 38D, LAUNDRY * 46, DISHWASHING * 39A, TUB ROOM * 55 AND TUB ROOM * 65. SEE PLUMBING PLANS FOR FLOOR DRAINS FOR KITCHEN * 39. SLOPE FLOOR OF THESE ROOMS TO PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. ALSO, SLOPE FLOOR IN PATIENT TOILET ROOM SHOWERS AS SHOWN ON THE PLANS FOR POSITIVE DRAINAGE. RECESS SHOWER FLOOR SLABS AS REQUIRED TO PROVIDE COMPLETE POSITIVE DRAINAGE TO SHOWER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOWER RECESSED SLAB DETAILS.
17. INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. U.L. BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION * 2501 FOR DESCRIPTION OF TYPICAL (SIM.).
18. INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. U.L. ASSEMBLY X-502. 1-HOUR RATED. SEE SECTION * 2501 FOR DESCRIPTION OF TYPICAL (SIM.).
19. ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.

401 **FLOOR PLAN** — PARTIAL PLAN
SCALE: 1/8" = 1'-0"

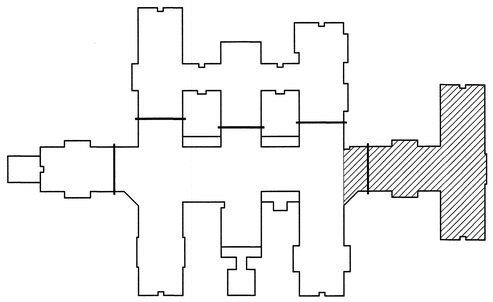
David R. Polston
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

A 4



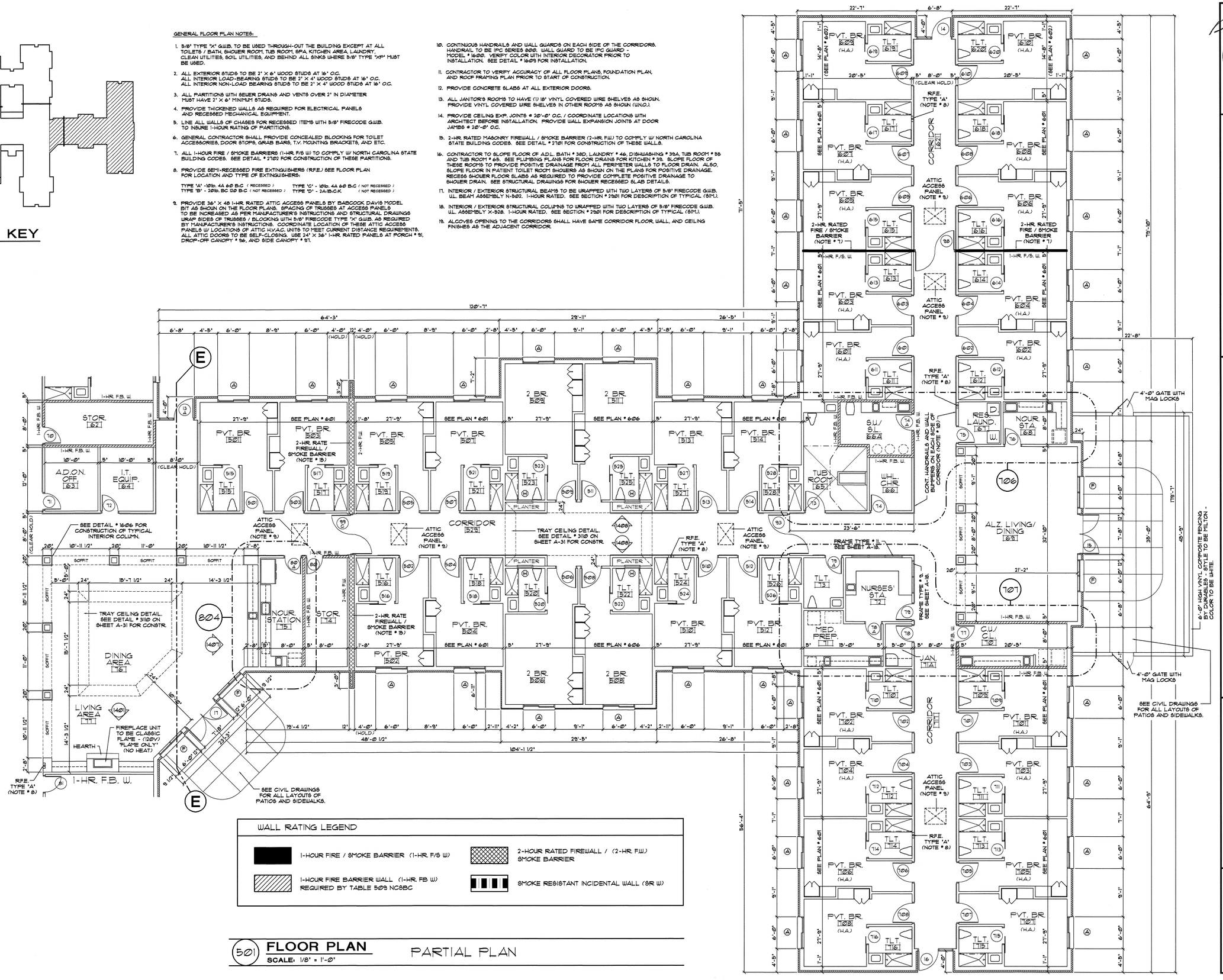
PLAN KEY

GENERAL FLOOR PLAN NOTES:

1. 5/8" TYPE 'X' G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS / BATH, SHOWER ROOM, TUB ROOM, SPA, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE "XP" MUST BE USED.
2. ALL EXTERIOR STUDS TO BE 2" X 6" WOOD STUDS AT 16" O.C. ALL INTERIOR LOAD-BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C. ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS AND RECESSED MECHANICAL EQUIPMENT.
5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF PARTITIONS.
6. GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
7. ALL 1-HOUR FIRE / SMOKE BARRIERS (1-HR. F/S W) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 21/2 FOR CONSTRUCTION OF THESE PARTITIONS.
8. PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

   TYPE 'A' - 10lb. 4A 60 B:C. (RECESSED) — TYPE 'C' - 10lb. 4A 60 B:C (NOT RECESSED)
   TYPE 'B' - 20lb. 8C 120 B:C (NOT RECESSED) — TYPE 'D' - 2Alb.C.K. (NOT RECESSED)

9. PROVIDE 36" X 48 1-HR. RATED ATTIC ACCESS PANELS BY: BABCOCK DAVIS MODEL BIT AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS WRAP SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE 'X' G.W.B. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATIONS OF ATTIC H.V.A.C. UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING. USE 24" X 36" 1-HR. RATED PANELS AT PORCH # 81, DROP-OFF CANOPY # 86, AND SIDE CANOPY # 87.
10. CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IPC SERIES 800. WALL GUARD TO BE IPC GUARD - MODEL # 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL # 18/13 FOR INSTALLATION.
11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (1) 18" VINYL COVERED WIRE SHELVES AS SHOWN. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (U.N.O.).
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION. PROVIDE WALL EXPANSION JOINTS AT DOOR JAMBS @ 20'-0" O.C.
15. 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. F.W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 21/01 FOR CONSTRUCTION OF THESE WALLS.
16. CONTRACTOR TO SLOPE FLOOR OF A.D.L. BATH # 38D, LAUNDRY # 46, DISHWASHING # 38A, TUB ROOM # 85 AND TUB ROOM # 65. SEE PLUMBING PLANS FOR FLOOR DRAINS FOR KITCHEN # 39. SLOPE FLOOR OF THESE ROOMS TO PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. ALSO, SLOPE FLOOR IN PATIENT TOILET ROOM SHOWERS AS SHOWN ON THE PLANS FOR POSITIVE DRAINAGE. RECESS SHOWER FLOOR SLABS AS REQUIRED TO PROVIDE COMPLETE POSITIVE DRAINAGE TO SHOWER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOWER RECESSED SLAB DETAILS.
17. INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. U.L. BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION # 25/01 FOR DESCRIPTION OF TYPICAL (SIM.).
18. INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. U.L. ASSEMBLY X-528. 1-HOUR RATED. SEE SECTION # 25/01 FOR DESCRIPTION OF TYPICAL (SIM.).
19. ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.



WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
- 2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 508 NCSBC
- SMOKE RESISTANT INCIDENTAL WALL (SR W)

501 **FLOOR PLAN** — PARTIAL PLAN
SCALE: 1/8" = 1'-0"

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

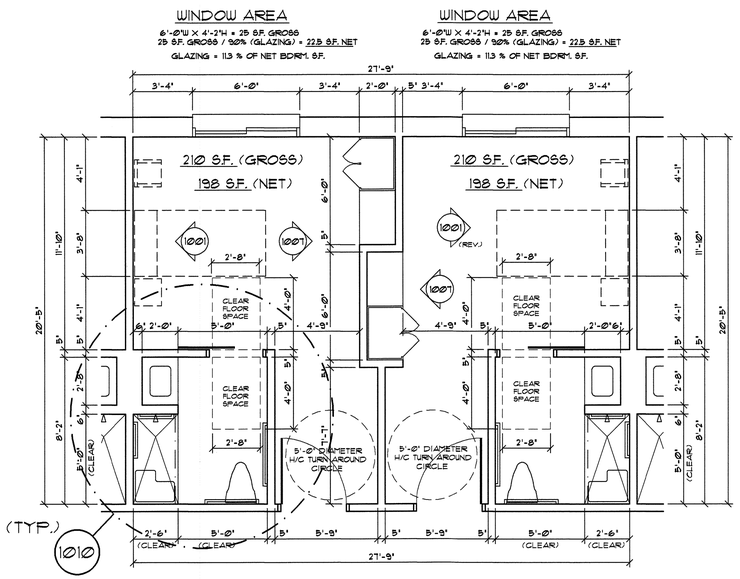
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

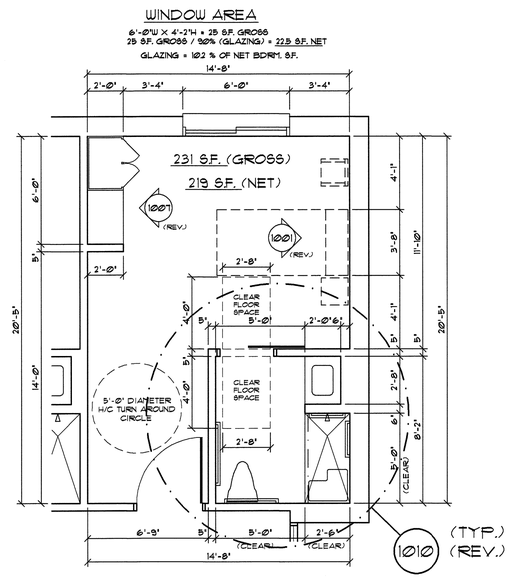
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

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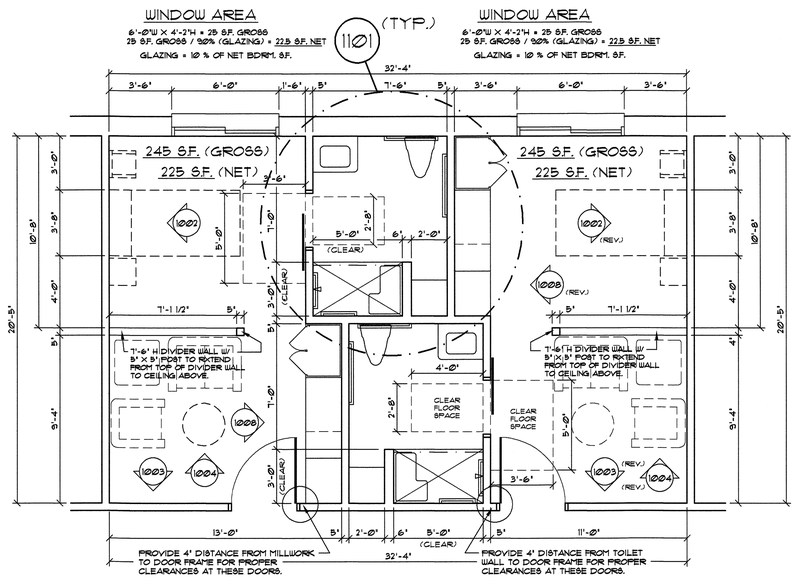
A 5



601 **FLOOR PLAN** TYP. PRIVATE BEDROOM SUITE - TYPE ONE
SCALE: 1/4" = 1'-0"



602 **FLOOR PLAN** TYP. PRIVATE BEDROOM "HALF-SUITE"
SCALE: 1/4" = 1'-0"



603 **FLOOR PLAN** TYP. PRIVATE BEDROOM SUITE - TYPE TWO
SCALE: 1/4" = 1'-0"

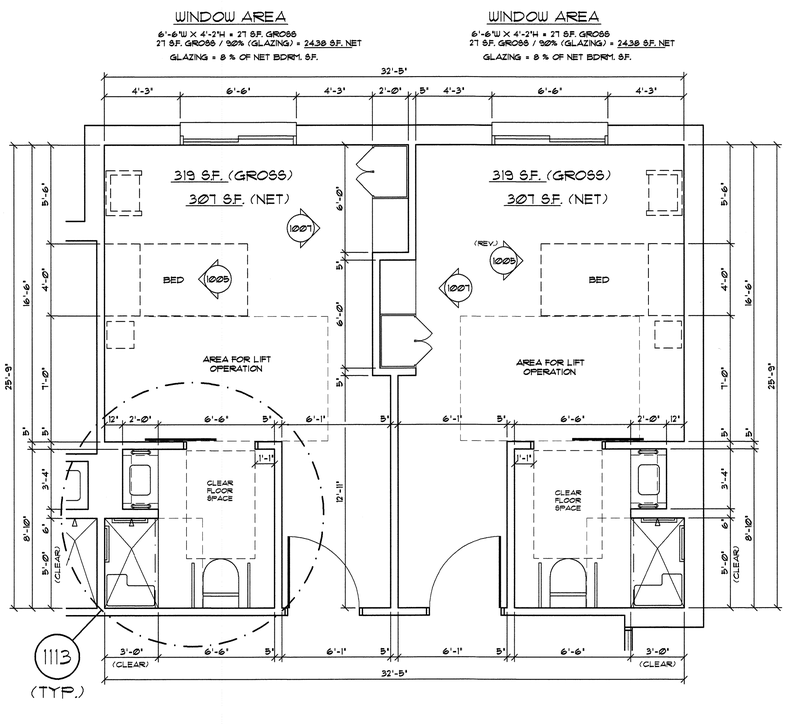
TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42'
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24'
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36'
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12'
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4998
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN
7	TOILET PAPER DISPENSER	MOEN	DN6808BN
8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.
10	ROBE HOOK	MOEN	DN6803BN
11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
12	PRIVACY CURTAIN TRACK	ARNCO	1200
13	MOP HOOK RACK	BY OWNER	——
14	SHOWER SEAT	SEACHROME	S5R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	4329S SATIN NICKEL FINISH
16	TUB SEAT	BY OWNER	

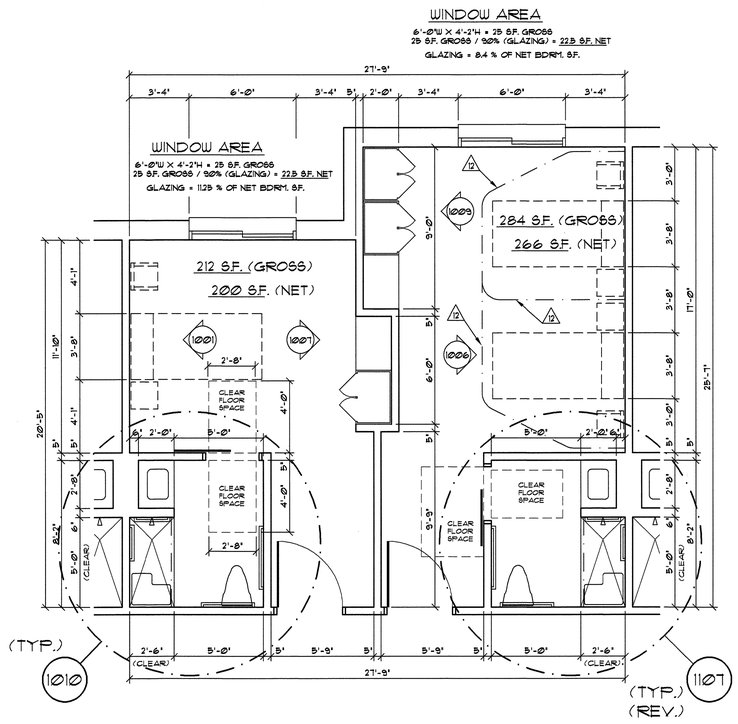
TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
17	SHOWER SEAT	SEACHROME	S5R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
19	SHOWER SEAT W/ LEGS	SEACHROME	S5R2-320225 (NW)
20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	
22	TOILET PARTITION SYSTEM	BOBRICK	SERIES 5CRC

TOILET ACCESSORY NOTES:

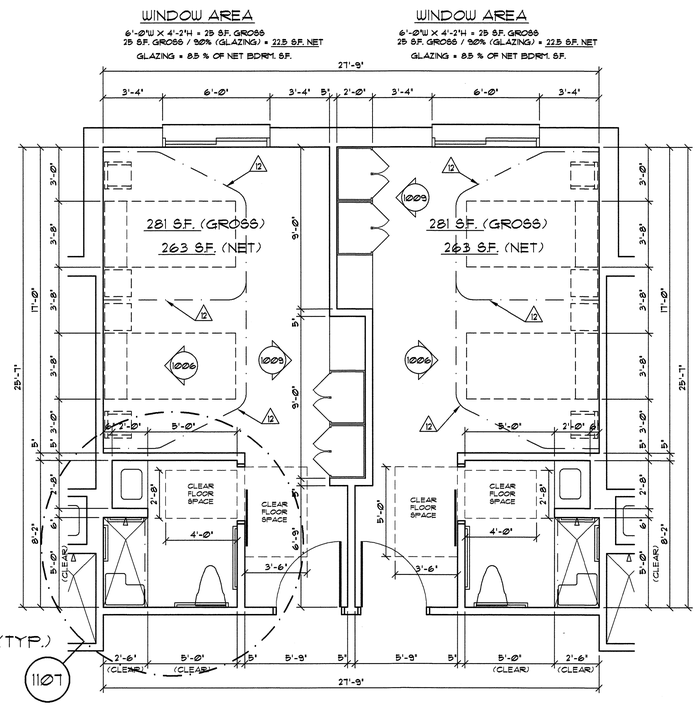
1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. TOILET ACCESSORY ITEMS * 8, * 9, AND * 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
6. TOILETS ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
7. MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



604 **FLOOR PLAN** TYPICAL PRIVATE BARIATRIC SUITE
SCALE: 1/4" = 1'-0"



605 **FLOOR PLAN** HALF PRIVATE SUITE / HALF SEMI-PVT. BEDROOM SUITE
SCALE: 1/4" = 1'-0"



606 **FLOOR PLAN** TYPICAL SEMI-PRIVATE BEDROOM SUITE
SCALE: 1/4" = 1'-0"

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

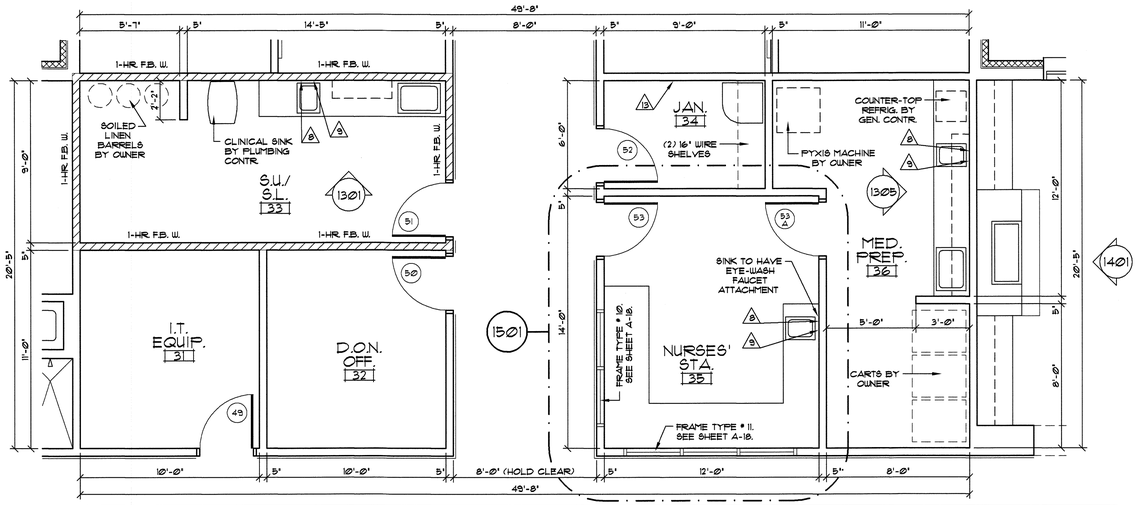
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
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Architecture Planning Design

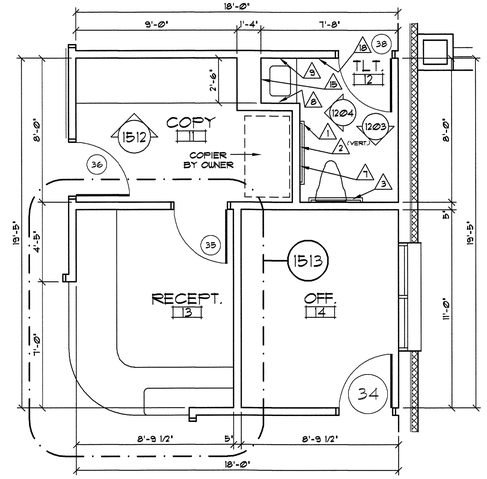
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701 **FLOOR PLAN** LEFT SIDE NURSES' STATION # 35 AREA

SCALE: 1/4" = 1'-0"



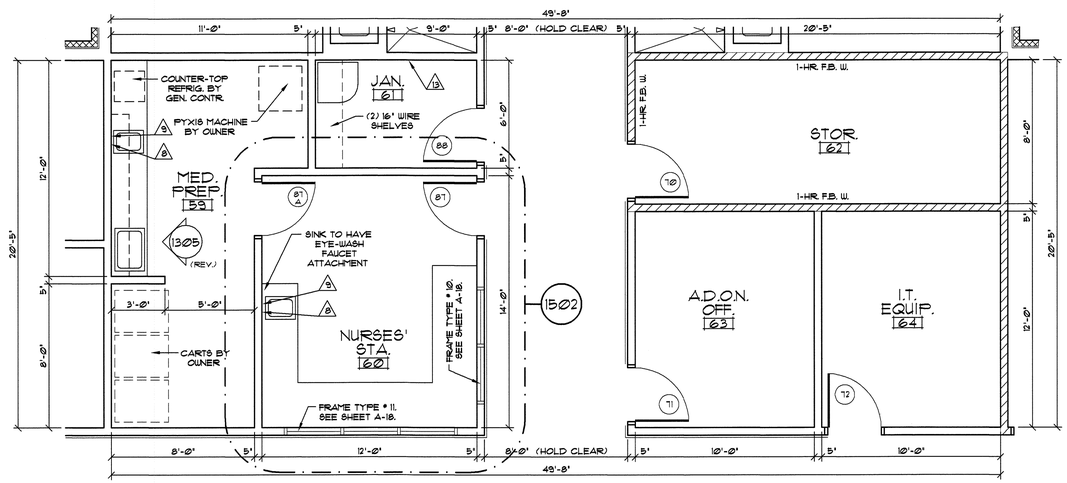
702 **FLOOR PLAN** RECEPTION # 13

SCALE: 1/4" = 1'-0"

△	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36"
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4998
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN
7	TOILET PAPER DISPENSER	MOEN	DN6808BN
8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.
9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.
10	ROBE HOOK	MOEN	DN6803BN
11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
12	PRIVACY CURTAIN TRACK	ARNCO	1200
13	MOP HOOK RACK	BY OWNER	——
14	SHOWER SEAT	SEACHROME	S9R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43286 SATIN NICKEL FINISH
16	TUB SEAT	BY OWNER	
17	SHOWER SEAT	SEACHROME	S9R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
19	SHOWER SEAT W/ LEGS	SEACHROME	S9R2-320225 (NW)
20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	
22	TOILET PARTITION SYTSTEM	BOBRICK	SERIES SCRC

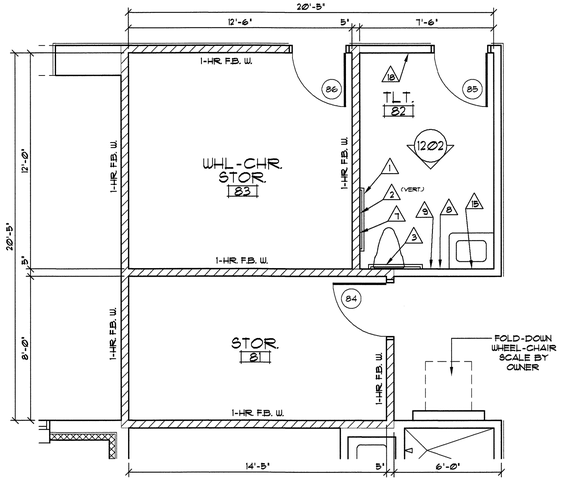
TOILET ACCESSORY NOTES:

1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. TOILET ACCESSORY ITEMS # 8, # 9, AND # 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
6. TOILETS ACCESSORIES # 6, # 7, # 10, AND # 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
7. MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



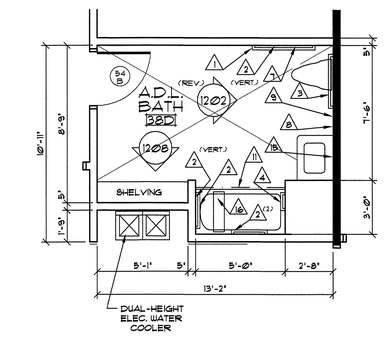
703 **FLOOR PLAN** RIGHT SIDE NURSES' STATION # 60 AREA

SCALE: 1/4" = 1'-0"



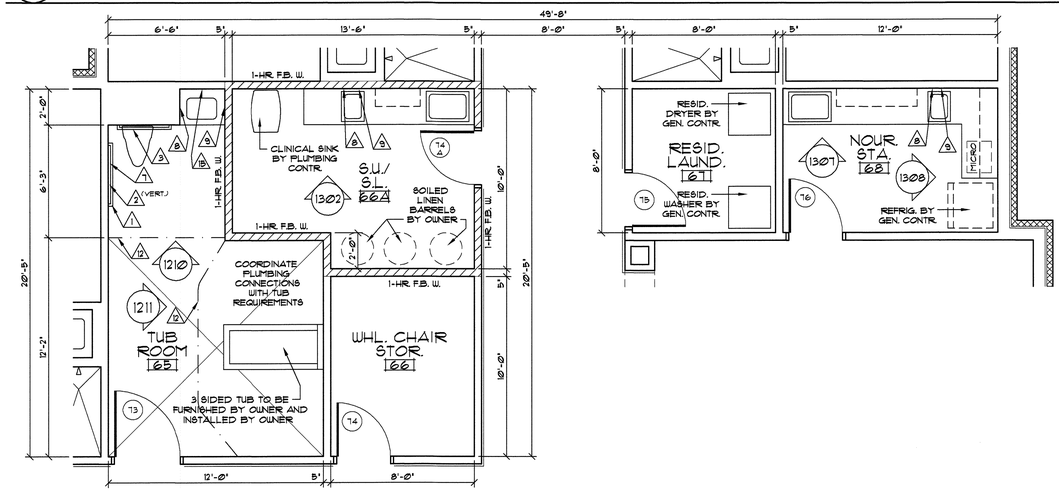
704 **FLOOR PLAN** RIGHT SIDE STAFF SUPPORT

SCALE: 1/4" = 1'-0"



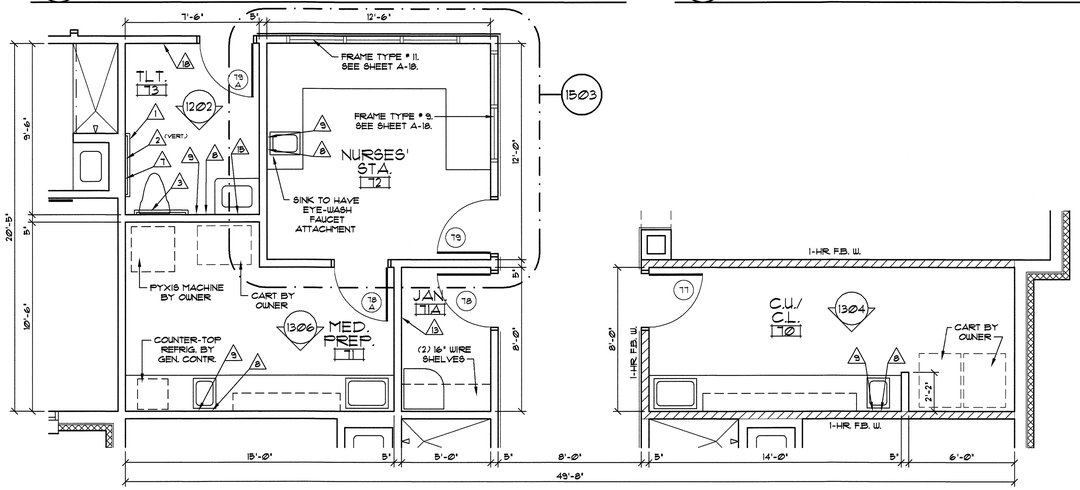
705 **FLOOR PLAN** A.D.L. BATH # 138D

SCALE: 1/4" = 1'-0"



706 **FLOOR PLAN** ALZHEIMER UNIT STAFF SUPPORT / TUB ROOM AREA

SCALE: 1/4" = 1'-0"



707 **FLOOR PLAN** ALZHEIMER UNIT NURSES' STATION AREA

SCALE: 1/4" = 1'-0"

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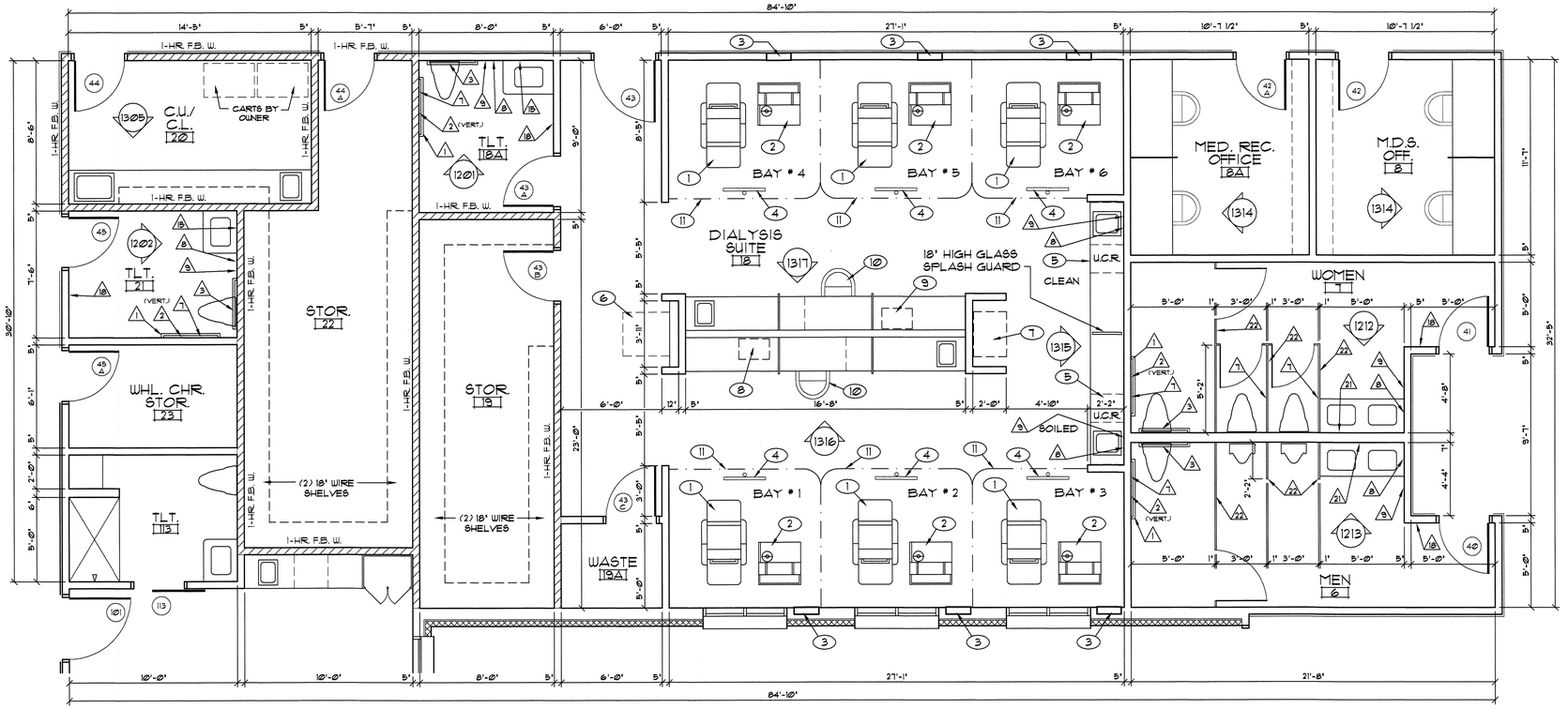
7.1.2025

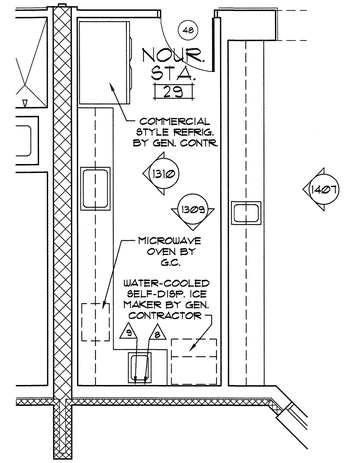
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A 7



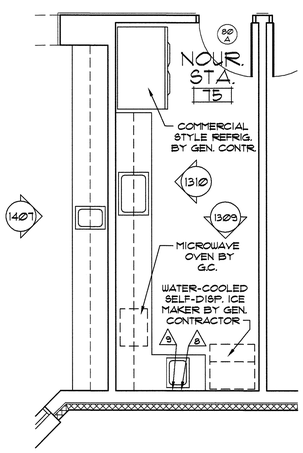


802 **FLOOR PLAN** NOUR. STATION # 29
SCALE: 1/4" = 1'-0"

DIALYSIS DEN EQUIPMENT SCHEDULE							
NO.	ITEM DESCRIPTION	MANUFACTURER / MODEL	PROVIDER	NO.	ITEM DESCRIPTION	MANUFACTURER / MODEL	PROVIDER
1	DIALYSIS CHAIR	———	DIALYSIS PROVIDER	7	MEDICAL CRASH CART	———	OWNER
2	DIALYSIS CYCLER	DIALYSIS CYCLER	DIALYSIS PROVIDER	8	MULTI-FUNCTION COPIER	LEXMARK MX826ADXE	DIALYSIS PROVIDER
3	DOMESTIC WATER BOX	NXSTAGE APM40539NF	OWNER	9	LABEL PRINTER	ZEBRA PRINTER GK 420D	DIALYSIS PROVIDER
4	TV / TV MOUNT	———	OWNER	10	DESK CHAIR	———	OWNER
5	UNDERCOUNTER REFRIGERATOR	HISENSE LCT33D6ASE	OWNER	11	PRIVACY CURTAIN TRACK	———	GEN. CONTRACTOR
6	WHEELCHAIR SCALE	———	OWNER				

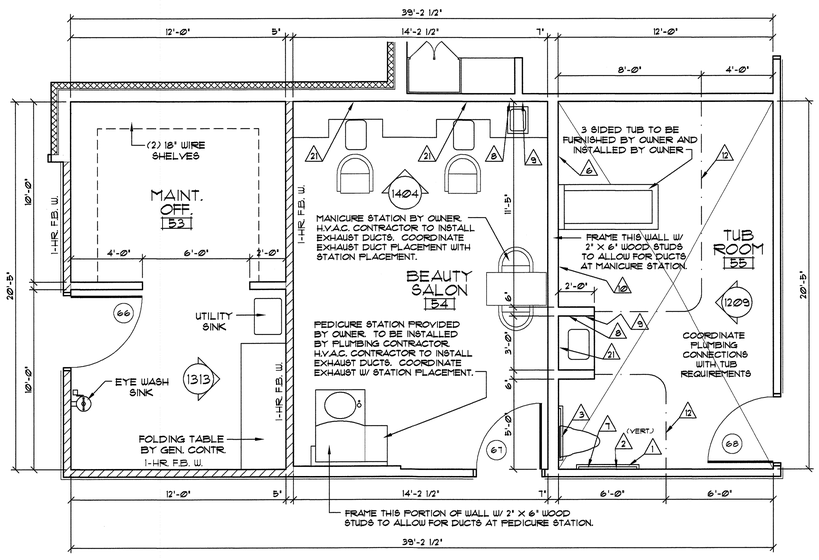
NOTE:

REFER TO P.M.E. ENGINEERING DRAWINGS FOR PLUMBING, MECHANICAL, AND ELECTRICAL EQUIPMENT REQUIREMENTS.

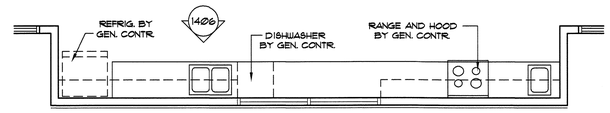


804 **FLOOR PLAN** NOUR. STATION # 75
SCALE: 1/4" = 1'-0"

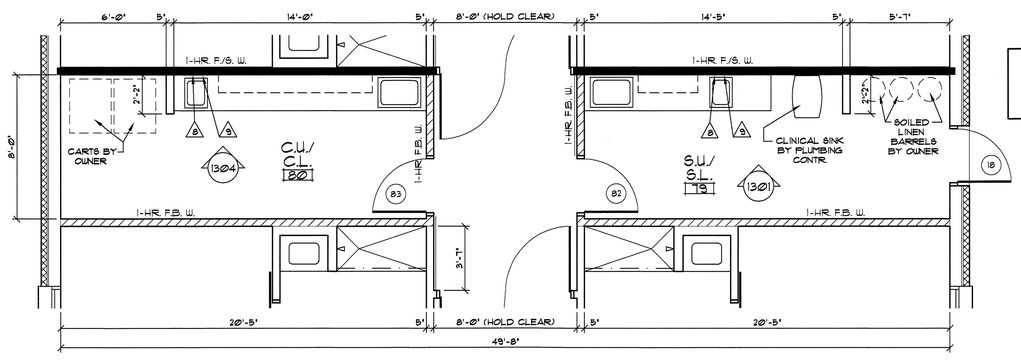
801 **FLOOR PLAN** PUBLIC TOILETS / DIALYSIS SUITE / LEFT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"



805 **FLOOR PLAN** BEAUTY SALON # 54 / TUB ROOM # 55
SCALE: 1/4" = 1'-0"



803 **FLOOR PLAN** PHYSICAL THERAPY # 38 - OCCUP. THERAPY MILLWORK
SCALE: 1/4" = 1'-0"



806 **FLOOR PLAN** CLEAN UTIL. / CLEAN LINEN # 80 & SOIL UTIL. / SOIL LINEN # 79
SCALE: 1/4" = 1'-0"

SEE TOILET ACCESSORIES SCHEDULE ON SHEET A-7

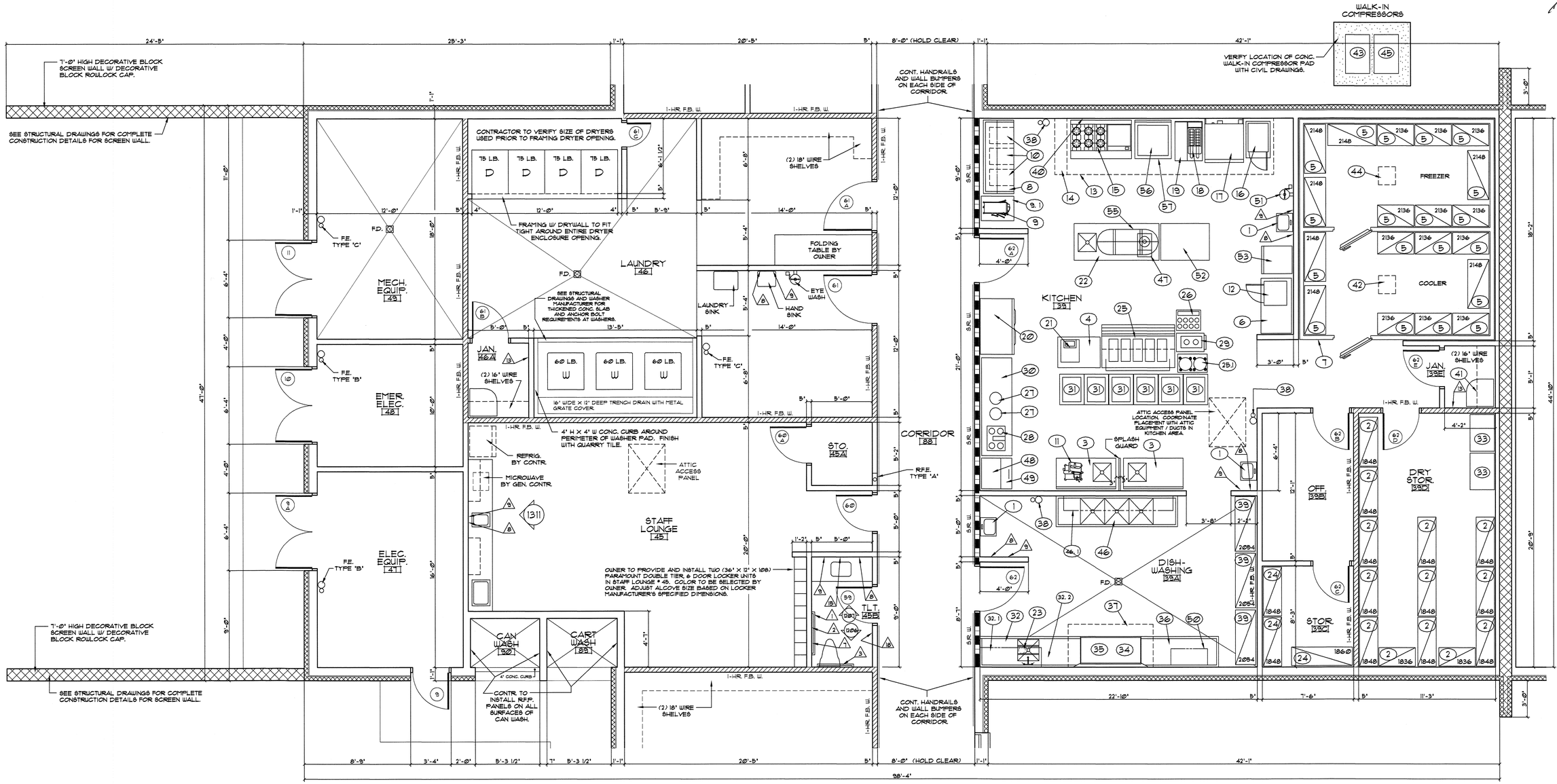
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

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HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

A 8



KITCHEN EQUIPMENT SCHEDULE			KITCHEN EQUIPMENT SCHEDULE			KITCHEN EQUIPMENT SCHEDULE		
NO.	DESCRIPTION	QTY.	NO.	DESCRIPTION	QTY.	NO.	DESCRIPTION	QTY.
1	HAND SINK	3	22	CHEF'S TABLE W/ SINK	1	41	MOP SINK-BY OTHERS AT KITCHEN JAN.	1
2	DRY STORAGE SHELVING	1-LOT	23	FOOD DISPOSAL	1	42	MED. TEMP. COIL	1
3	30"x 5'-0" WORK TABLE W/ SINK	2	24	STORAGE SHELVING	1-LOT	43	MED. TEMP. CONDENSOR	1
4	30" X 42" S.S. MOVABLE TABLE	1	25	S.S. CHEF'S TABLE W/ DROP-IN FOOD WELLS	1	44	LOW TEMP. COIL	1
5	COOLER/FREEZER STORAGE SHELVING	1-LOT	25. 1	DISH DISP. W/ HEATED SELF LEVELER	1	45	LOW TEMP. CONDENSOR	1
6	30" X 54" S.S. WORK TABLE	1	26	TRAY CART W/ CUTLARY PANS	1	46	POTWASH SINK	1
7	WALK-IN FREEZER / COOLER	1	27	TEA URNS-BY VENDOR	2	46. 1	108" S/S WALL SHELF W/ POT RACK	1
8	BAKER'S' TABLE: STAINLESS STEEL	1	28	COFFEE BREWER-BY VENDOR	1	47	BLIXER	1
9	20 QT. MIXER	1	29	HEATED BASE DISPENSER	1	48	ICE MAKER	1
9. 1	MIXER MOBILE STAND	1	30	BEVERAGE COUNTER	1	49	ICE STORAGE BIN	1
10	INGREDIENT BINS	3	31	TRAY DELIVERY CARTS	6	50	WALL MOUNTED DISH RACK	1
11	SLICER	1	32	SOILED DISH TABLE	1	51	EYE WASH SINK-BY OTHERS	1
12	MICROWAVE OVEN	1	32. 1	SLOPED WALL SHELF	1	52	36"x48" WORK TABLE	1
13	EXHAUST HOOD SYSTEM	1	32. 2	PRE-RINSE SPRAY	1	53	HOT HOLDING CABINET	1
14	FIRE SUPPRESSION SYSTEM	1	33	CAN RACK	2	54	48" FLT FAN W/ MICROSWITCH (9 DRS. * 8 & * 12)	2
15	RANGE / GRIDDLE / DOUBLE OVEN	1	34	44' CONVEYOR TYPE DISHWASHER	1	55	POT RACK	1
16	STEAMER	1	35	BOOSTER HEATER	1	56	36' GAS CHARBROILER	1
17	DOUBLE OVEN	1	36	CLEAN DISH TABLE	1	57	36' WIDE TABLE FOR CHARBROILER	1
18	FRYER	1	37	D.W. CONDENSATE HOOD	1			
19	FRYER DUMP SHELF	1	38	FIRE EXTINGUISHER: TYPE 'K'	3			
20	2- SECTION REFRIGERATOR	1	39	DISH AIR DRYING SHELVING	3			
21	TOASTER	1	40	STAINLESS STEEL PANELS	1			

NOTES:

1. WALL SURFACE FROM BOTTOM OF HOOD TO TOP OF FLOOR BASE FOR LENGTH OF COOKING HOOD TO BE COVERED W/ STAINLESS STEEL PANELS.
2. ALL PIECES OF KITCHEN EQUIPMENT TO HAVE A NSF LABEL AND BE INSTALLED IN ACCORDANCE WITH CURRENT NSF STANDARDS.
3. ALL ELECTRICAL EQUIPMENT TO HAVE UL. LABEL.
4. ALL GAS EQUIPMENT TO HAVE AGA. LABEL.
5. THE KITCHEN EXHAUST HOOD SHALL BE FACTORY FABRICATED FOR COMPLIANCE WITH NFPA 96, NSF 1362 AND HAVE A UL. LABEL. SEE DETAIL * 3201 ON SHEET A-32 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.
6. THE FIRE SUPPRESSION SYSTEM SHALL BE AN ANSUL MODEL R-102 SYSTEM. A READILY ACCESSIBLE MEANS TO MANUALLY ACTUATE THE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED IN A PATH OF EGRESS AND SHALL BE CLEARLY IDENTIFIED. THE OPERATION OF THE ANSUL SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL AND HEAT TO ALL EQUIPMENT UNDER THE KITCHEN EXHAUST HOOD AND ALSO AUTOMATICALLY ACTIVATE THE BUILDING FIRE ALARM SYSTEM.
7. THE DISHWASHER CONDENSATE HOOD SHALL BE FACTORY FABRICATED AND HAVE BOTH A UL. LABEL AND NSF. LABEL. SEE DETAIL * 3202 ON SHEET A-32 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.

WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
- 1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NCSBC
- 2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
- SMOKE RESISTANT INCIDENTAL WALL (SR W)

901 **FLOOR PLAN** SCALE: 1/4" = 1'-0" — KITCHEN & LAUNDRY AREA

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON N.C.

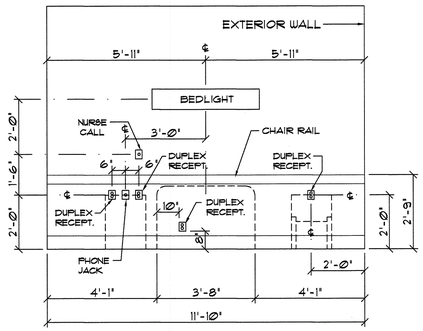
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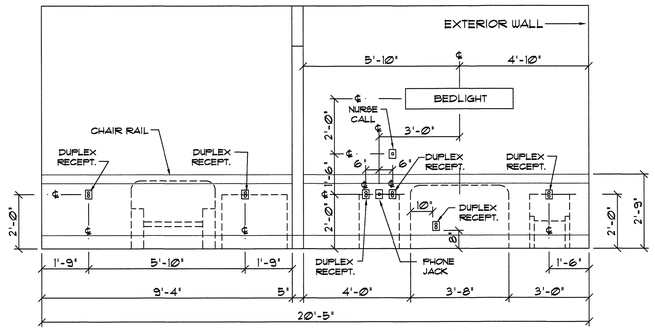
125 BED FACILITY

A 9



VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

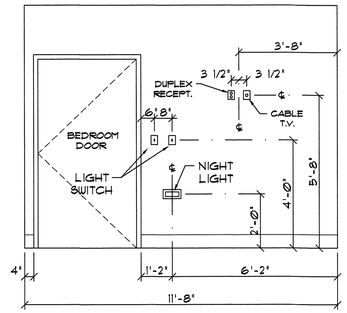
1001 **ELEVATION** TYPICAL BEDWALL AT PVT. BEDROOM TYPE ONE
SCALE: 3/8"=1'-0"



VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

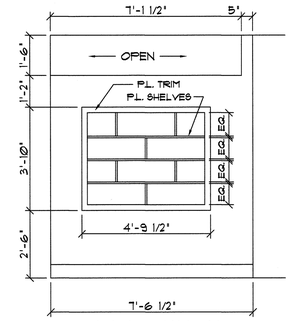
1002 **ELEVATION** TYPICAL BEDWALL AT PRIVATE BEDROOM TYPE TWO
SCALE: 3/8"=1'-0"

VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.



BEDROOM DOOR WALL AT PRIVATE BEDROOM TYPE TWO

1003 **ELEVATION**
SCALE: 3/8"=1'-0"



DIVIDER WALL AT PRIVATE BEDROOM TYPE TWO
(VERIFY DESIGN WITH INTERIOR DESIGNER.)

1004 **ELEVATION**
SCALE: 3/8"=1'-0"

WARDROBE NOTES - SEE ELEVATION * 1007, * 1008, AND * 1009

WARDROBE CLOSET ROD TO BE 68" MAXIMUM ABOVE FINISHED FLOOR. DOOR PULLS TO BE OPERABLE WITH ONE HAND, NOT REQUIRE GRASPING, AND OPERABLE BY A FORCE OF 5 POUNDS MAXIMUM.

OWNER TO VERIFY PRIOR TO FABRICATION THAT NURSING BED WARDROBE UNITS HAVE A MINIMUM OF 36 CUBIC FEET OF STORAGE SPACE. HALF OF THIS SPACE MUST BE HANGING STORAGE. (THIS CUBIC FEET REQUIREMENT IS PER RESIDENT)

OWNER TO VERIFY PRIOR TO FABRICATION THAT H.A. BED WARDROBE UNITS HAVE A MINIMUM OF 48 CUBIC FEET OF STORAGE SPACE. HALF OF THIS SPACE MUST BE HANGING STORAGE. (THIS CUBIC FEET REQUIREMENT IS PER RESIDENT)

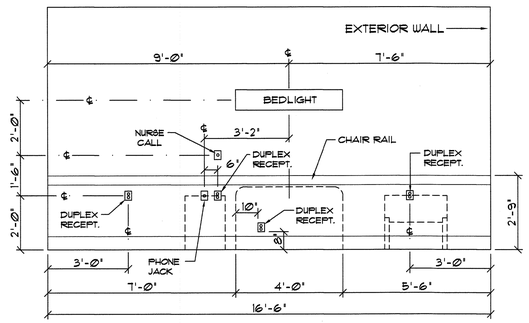
CONTRACTOR TO VERIFY AND COORDINATE LOCATIONS OF ELECTRICAL OUTLETS W/ OWNER PRIOR TO INSTALLATION.

OWNER TO SELECT COLOR AND FINISH OF WARDROBE AND DRAWER UNIT PLASTIC LAMINATE.

PROVIDE ADJUSTABLE CLOTHES ROD THAT IS ADJUSTABLE IN MAXIMUM OF 4" INCH INCREMENTS FROM 48" TO 68" INCHES ABOVE FINISHED FLOOR.

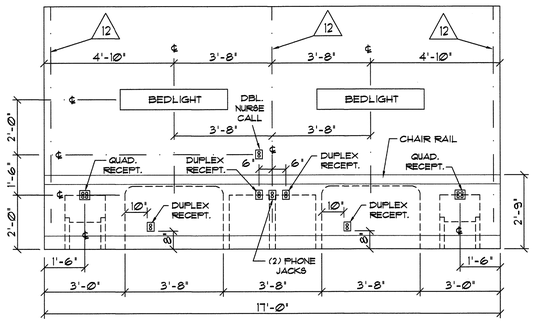
ELEVATIONS * 1007, * 1008, AND * 1009 ARE BY OWNER. MILLWORK TO BE VERIFIED BY OWNER AND INTERIOR DESIGNER.

OWNER PROVIDED BEDSIDE TABLE TO HAVE LOCKABLE DRAWERS FOR SECURE STORAGE OF RESIDENTS' PERSONAL ITEMS.



VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

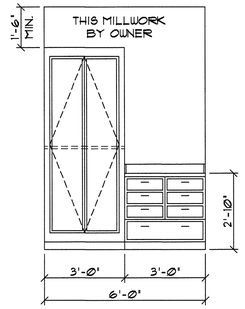
1005 **ELEVATION** TYPICAL BEDWALL AT PRIVATE BARIATRIC BEDROOM SUITE
SCALE: 3/8"=1'-0"



VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

1006 **ELEVATION** TYPICAL BEDWALL AT SEMI-PRIVATE BEDROOM SUITE
SCALE: 3/8"=1'-0"

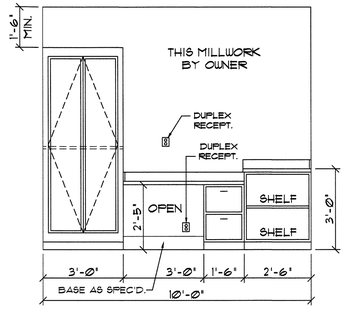
VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.



TYPICAL MILLWORK AT PRIVATE BEDROOMS

1007 **ELEVATION**
SCALE: 3/8"=1'-0"

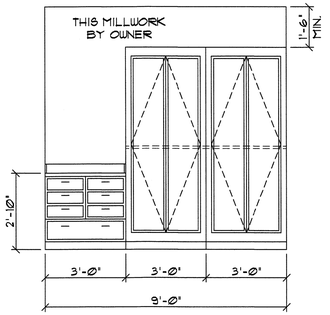
VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.



TYPICAL MILLWORK AT PVT. BEDROOM TYPE TWO

1008 **ELEVATION**
SCALE: 3/8"=1'-0"

VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.



TYPICAL MILLWORK AT SEMI-PRIVATE BEDROOM

1009 **ELEVATION**
SCALE: 3/8"=1'-0"

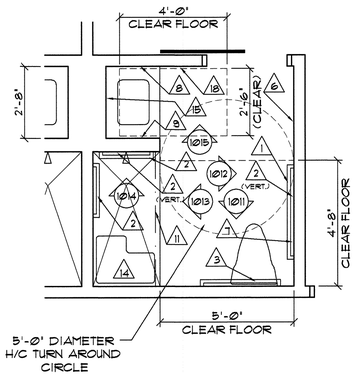
TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42'
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24'
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36'
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12'
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4998
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN
7	TOILET PAPER DISPENSER	MOEN	DN6808BN
8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.
10	ROBE HOOK	MOEN	DN6803BN
11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
12	PRIVACY CURTAIN TRACK	ARNCO	1200
13	MOP HOOK RACK	BY OWNER	——
14	SHOWER SEAT	SEACHROME	S6R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	4329S SATIN NICKEL FINISH
16	TUB SEAT	BY OWNER	

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
17	SHOWER SEAT	SEACHROME	S6R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
19	SHOWER SEAT W/ LEGS	SEACHROME	S6R2-320225 (NW)
20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	
22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC

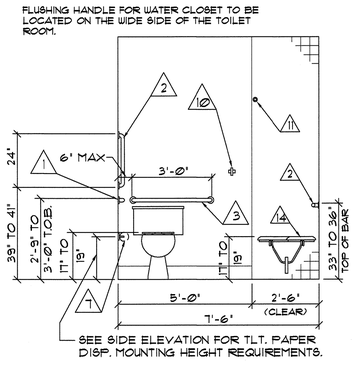
TOILET ACCESSORY NOTES:

1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. TOILET ACCESSORY ITEMS * 8, * 9, AND * 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
6. TOILETS ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
7. MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



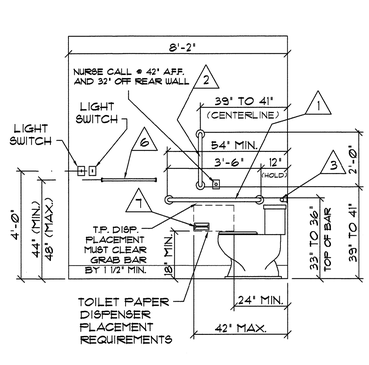
TYP. PVT. SUITE TYPE ONE TOILET ROOM

1010 **FLOOR PLAN** TOILET ACCESSORIES & FLOOR CLEARANCES
SCALE: 3/8"=1'-0"



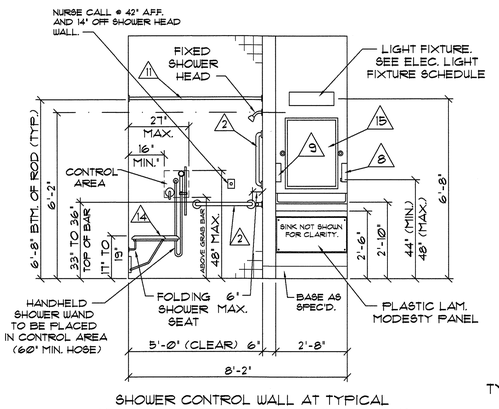
TOILET / SHOWER SEAT WALL AT TYPICAL BEDROOM SUITE TYPE ONE TOILET ROOMS

1011 **ELEVATION**
SCALE: 3/8"=1'-0"



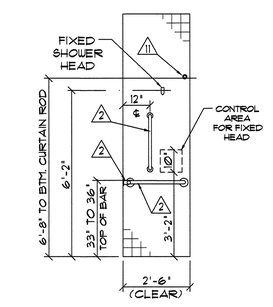
TYP. SIDE WALL AT WATER CLOSETS AT TYP. BEDROOM SUITE TYPE ONE TOILETS

1012 **ELEVATION**
SCALE: 3/8"=1'-0"



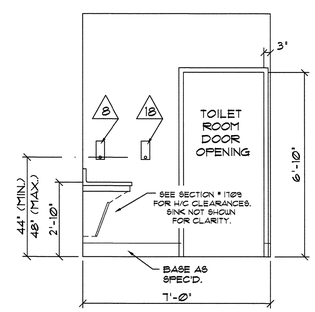
SHOWER CONTROL WALL AT TYPICAL BEDROOM SUITE TYPE ONE TOILET ROOMS

1013 **ELEVATION**
SCALE: 3/8"=1'-0"



FIXED SHOWER HEAD WALL AT TYPICAL BEDROOM SUITE TYPE ONE TOILET ROOMS

1014 **ELEVATION**
SCALE: 3/8"=1'-0"



TYP. ACCESSORIES WALL AT TYP. BEDROOM SUITE TYPE ONE TOILET ROOMS

1015 **ELEVATION**
SCALE: 3/8"=1'-0"

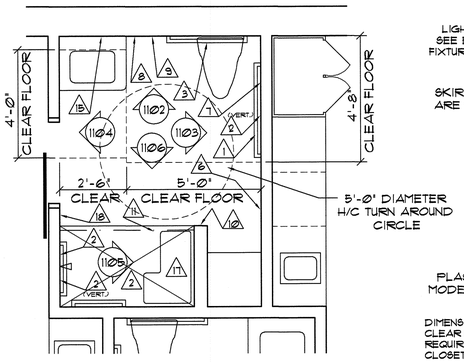
David R. Polston
7-1-2025

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

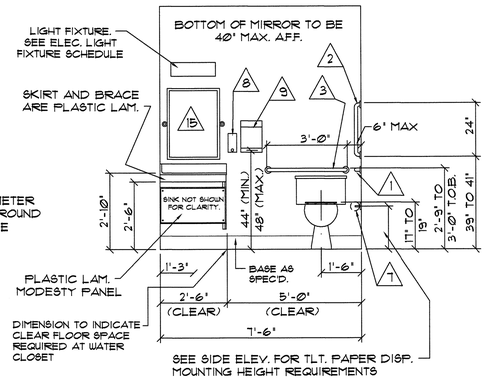
HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

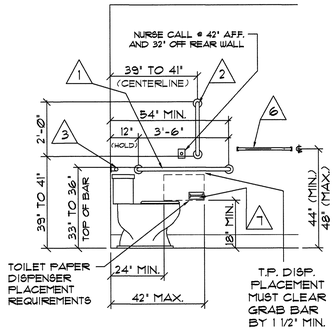
A 10



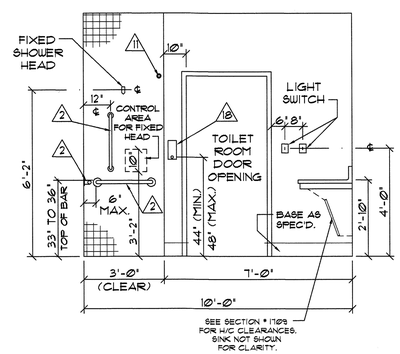
TYP. PVT. SUITE TYPE TWO TOILET ROOM



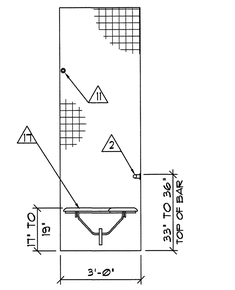
TYP. SIDE WALL AT WATER CLOSETS AT TYPICAL PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS



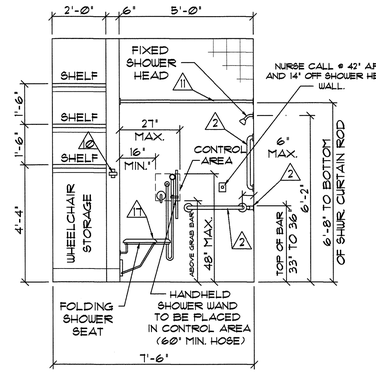
TYP. SIDE WALL AT WATER CLOSETS AT TYPICAL PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS



FIXED SHOWER HEAD WALL AT PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS



SHOWER SEAT WALL AT TYPICAL PVT. BEDROOM TYPE TWO SUITE TOILET ROOMS



SHOWER CONTROL WALL AT PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS

1101 FLOOR PLAN TOILET ACCESSORIES & FLOOR CLEARANCES
SCALE: 3/8"=1'-0"

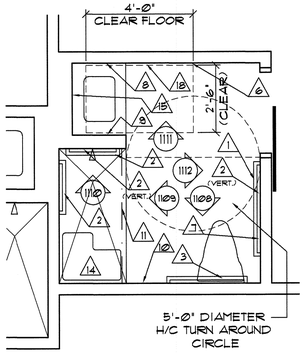
1102 ELEVATION TYPICAL FIXTURE WALL AT PVT. SUITE TYPE TWO TOILET ROOMS
SCALE: 3/8"=1'-0"

1103 ELEVATION
SCALE: 3/8"=1'-0"

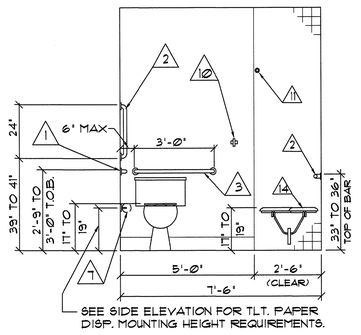
1104 ELEVATION
SCALE: 3/8"=1'-0"

1105 ELEVATION
SCALE: 3/8"=1'-0"

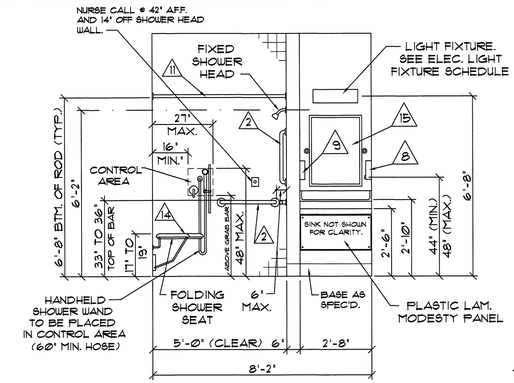
1106 ELEVATION
SCALE: 3/8"=1'-0"



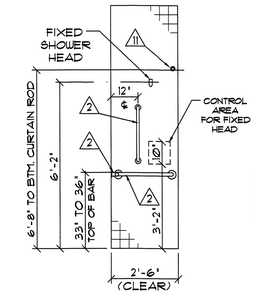
TYPICAL SEMI-PRIVATE BEDROOM SUITE TOILET ROOM



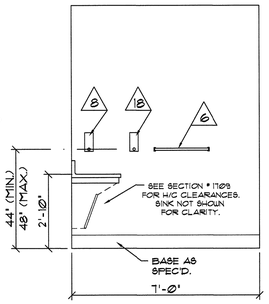
TOILET / SHOWER SEAT WALL AT TYPICAL SEMI-PVT. BEDROOM SUITE TOILET ROOMS



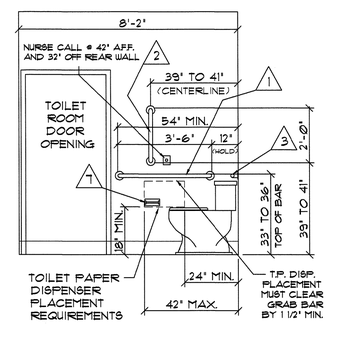
SHOWER CONTROL WALL AT TYPICAL SEMI-PVT. BEDROOM SUITE TOILET ROOMS



FIXED SHOWER HEAD WALL AT TYP. SEMI-PVT. BEDROOM SUITE TOILET ROOMS



TYP. ACCESSORIES WALL AT TYP. BEDROOM SUITE TOILET ROOMS



TYP. SIDE WALL AT WATER CLOSETS AT TYP. BEDROOM SUITE TOILETS

1107 FLOOR PLAN TOILET ACCESSORIES & FLOOR CLEARANCES
SCALE: 3/8"=1'-0"

1108 ELEVATION
SCALE: 3/8"=1'-0"

1109 ELEVATION
SCALE: 3/8"=1'-0"

1110 ELEVATION
SCALE: 3/8"=1'-0"

1111 ELEVATION
SCALE: 3/8"=1'-0"

1112 ELEVATION
SCALE: 3/8"=1'-0"

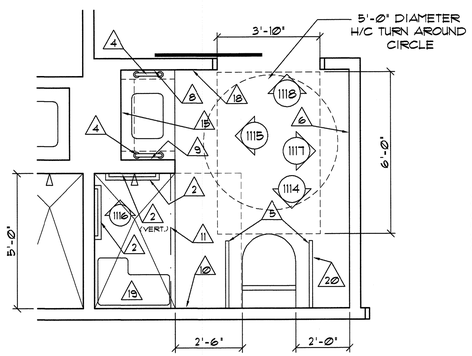
△	TOILET ACCESSORIES SCHEDULE DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36"
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4998
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN
7	TOILET PAPER DISPENSER	MOEN	DN6808BN
8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.

△	TOILET ACCESSORIES SCHEDULE DESCRIPTION	MANUF.	CATALOG NO.
9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.
10	ROBE HOOK	MOEN	DN6803BN
11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
12	PRIVACY CURTAIN TRACK	ARNCO	1200
13	MOP HOOK RACK	BY OWNER	——
14	SHOWER SEAT	SEACHROME	86R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43298 SATIN NICKEL FINISH
16	TUB SEAT	BY OWNER	

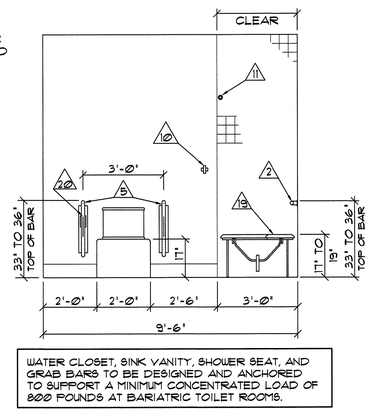
△	TOILET ACCESSORIES SCHEDULE DESCRIPTION	MANUF.	CATALOG NO.
17	SHOWER SEAT	SEACHROME	86R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
19	SHOWER SEAT W/ LEGS	SEACHROME	86R2-320225 (NW)
20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	
22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC

TOILET ACCESSORY NOTES:

1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. TOILET ACCESSORY ITEMS * 8, * 9, AND * 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
6. TOILETS ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
7. MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



TYPICAL PRIVATE BARIATRIC SUITE TOILET ROOM

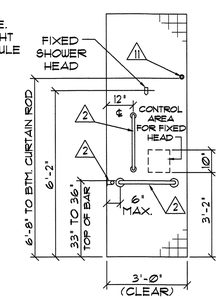


WATER CLOSET, SINK VANITY, SHOWER SEAT, AND GRAB BARS TO BE DESIGNED AND ANCHORED TO SUPPORT A MINIMUM CONCENTRATED LOAD OF 800 POUNDS AT BARIATRIC TOILET ROOMS.

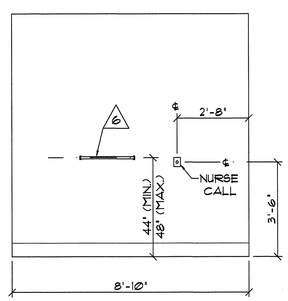
WATER CLOSET SIDE WALL / SHOWER SEAT WALL AT TYPICAL BARIATRIC BEDROOM SUITE TOILETS

2' X 4' WOOD STUD SUPPORT LOW WALLS AT VANITY COUNTER UNIT WITH FINISHED 1/2" PLYWOOD SHEATHING TO MATCH TRIM AND SLOPED P.L. MODESTY PANEL.

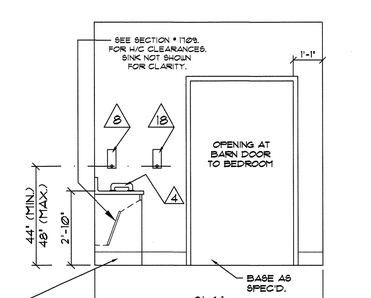
SHOWER CONTROL WALL AT TYP. BARIATRIC BEDROOM SUITE



FIXED SHOWER HEAD WALL AT TYPICAL BARIATRIC BEDROOM SUITE TOILET ROOMS



TYPICAL LIGHT SWITCH / NURSE CALL SIDE WALL AT BARIATRIC BEDROOM SUITE TOILET ROOMS



2' X 4' WOOD STUD SUPPORT LOW WALLS AT VANITY COUNTER UNIT WITH FINISHED 1/2" PLYWOOD SHEATHING TO MATCH TRIM AND SLOPED PANEL.

TYPICAL TOILET DOOR OPENING WALL AT BARIATRIC BEDROOM SUITE TOILET ROOMS

1113 FLOOR PLAN TOILET ACCESSORIES & FLOOR CLEARANCES
SCALE: 3/8"=1'-0"

1114 ELEVATION
SCALE: 3/8"=1'-0"

1115 ELEVATION
SCALE: 3/8"=1'-0"

1116 ELEVATION
SCALE: 3/8"=1'-0"

1117 ELEVATION
SCALE: 3/8"=1'-0"

1118 ELEVATION
SCALE: 3/8"=1'-0"

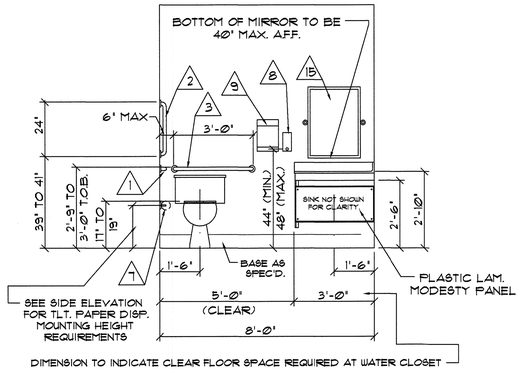
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON N.C.
7-1-2013

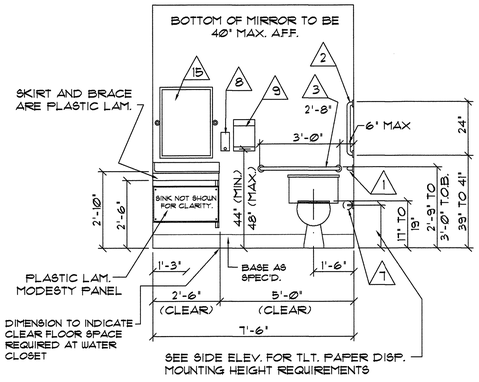
HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

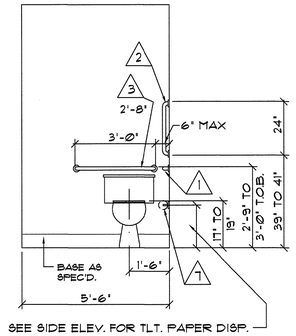
A 11



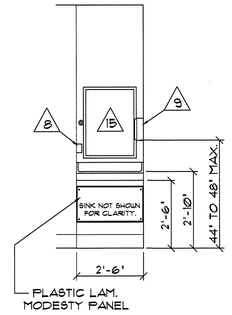
1201 **ELEVATION** SCALE: 3/8"=1'-0" — TOILET ROOM # 18A



1202 **ELEVATION** SCALE: 3/8"=1'-0" — TOILET ROOMS @ 21, # 73, # 82, AND TUB ROOM # 38D (REV)

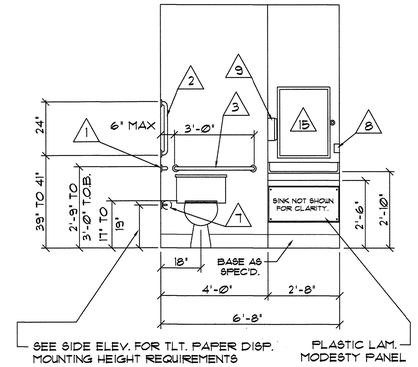


1203 **ELEVATION** SCALE: 3/8"=1'-0" — WATER CLOSET AT TOILET ROOM # 12

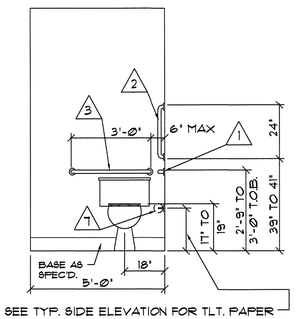


SINK / VANITY AT TOILET ROOM # 12

1204 **ELEVATION** SCALE: 3/8"=1'-0"

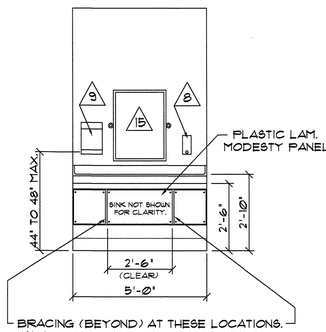


1205 **ELEVATION** SCALE: 3/8"=1'-0" — TOILET # 26



WATER CLOSET WALL AT TOILET ROOM # 45B

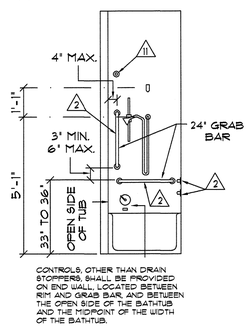
1206 **ELEVATION** SCALE: 3/8"=1'-0"



VANITY / SINK AT TOILET ROOM # 45B

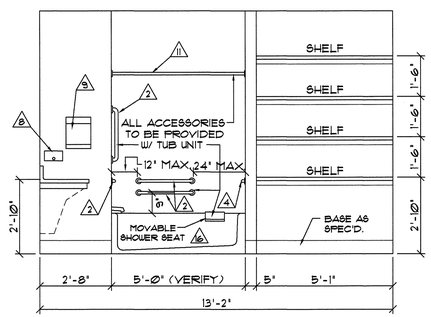
1207 **ELEVATION** SCALE: 3/8"=1'-0"

HAND-HELD SHOWER HOSE TO BE 59" MINIMUM IN LENGTH.



CONTROL WALL AT TUB

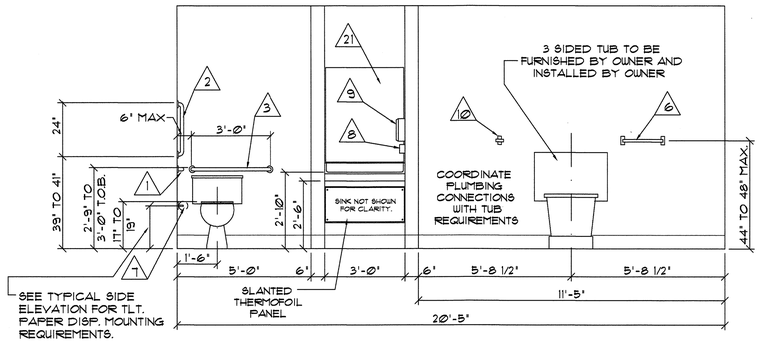
A.D.L. BATH TUB TO BE BY BEST BATH, MODEL # CT6632AIB. TUB UNIT TO BE PROVIDED COMPLETE WITH ALL REQUIRED NORTH CAROLINA HANDICAPPED ACCESSORIES INCLUDING GRAB BARS, HAND-HELD SHOWER WAND, AND TUB SEAT AS WELL AS SHOWER CURTAIN RODS, ETC. SEE TOILET ACCESSORIES SCHEDULE FOR DESCRIPTIONS. CONTRACTOR TO VERIFY TUB UNIT USED WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.



SIDE WALL AT TUB

1208 **ELEVATION** SCALE: 3/8"=1'-0" — A.D.L. BATH # 38D

NOTE: SEE INTERIOR DESIGNER DRAWINGS FOR ALL INTERIOR FINISHES AND COLOR SELECTIONS.



1209 **ELEVATION** SCALE: 3/8"=1'-0" — TUB ROOM # 55

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36"
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4998
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN
7	TOILET PAPER DISPENSER	MOEN	DN6808BN
8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.

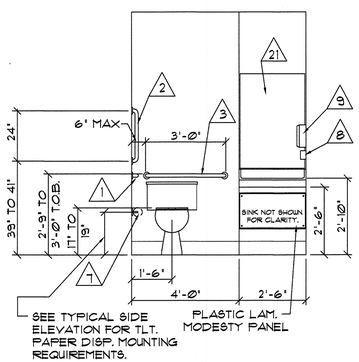
TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.
10	ROBE HOOK	MOEN	DN6803BN
11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
12	PRIVACY CURTAIN TRACK	ARNCO	1200
13	MOP HOOK RACK	BY OWNER	——
14	SHOWER SEAT	SEACHROME	65R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43295 SATIN NICKEL FINISH
16	TUB SEAT	BY OWNER	

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUF.	CATALOG NO.
17	SHOWER SEAT	SEACHROME	65R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
19	SHOWER SEAT W/ LEGS	SEACHROME	65R2-320225 (NW)
20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	
22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC

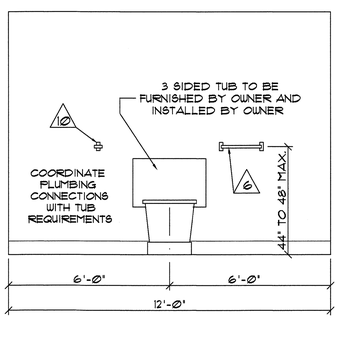
TOILET ACCESSORY NOTES:

1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. TOILET ACCESSORY ITEMS # 8, # 9, AND # 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
6. TOILETS ACCESSORIES # 6, # 7, # 10, AND # 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
7. MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.

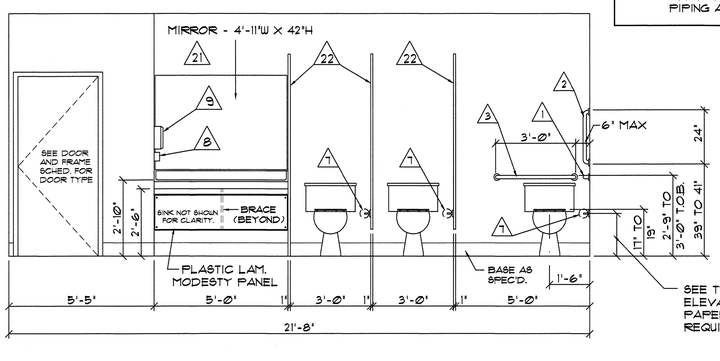
NOTE: PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED H.W., C.W., AND WASTE PIPING AT SINKS.



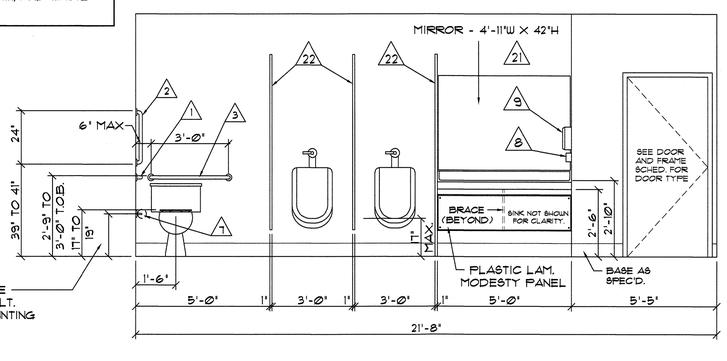
1210 **ELEVATION** SCALE: 3/8"=1'-0" — TUB ROOM # 65



1211 **ELEVATION** SCALE: 3/8"=1'-0" — TUB ROOM # 65



1212 **ELEVATION** SCALE: 3/8"=1'-0" — WOMENS' TOILET ROOM # 7



1213 **ELEVATION** SCALE: 3/8"=1'-0" — MENS' TOILET ROOM # 6

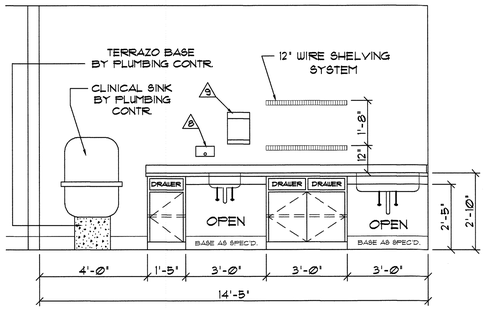
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

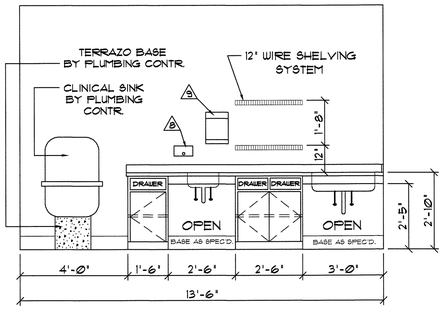
125 BED FACILITY

A 12



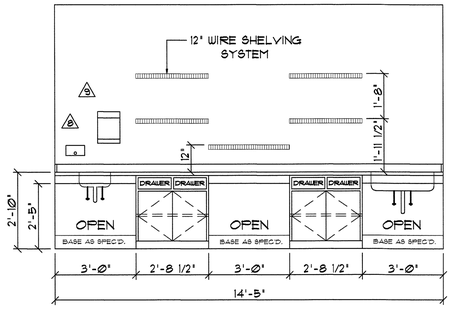
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1301 **ELEVATION** SCALE: 3/8" = 1'-0" — SOIL UTILITY/ SOIL LINEN # 33 & 79 (REV.)



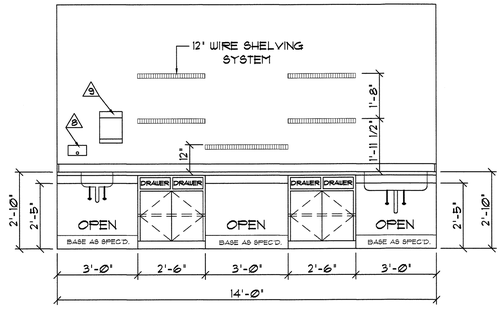
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1302 **ELEVATION** SCALE: 3/8" = 1'-0" — SOIL UTILITY/ SOIL LINEN # 66A



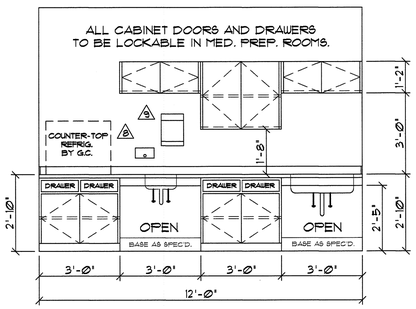
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1303 **ELEVATION** SCALE: 3/8" = 1'-0" — CLEAN UTILITY/ CLEAN LINEN # 20



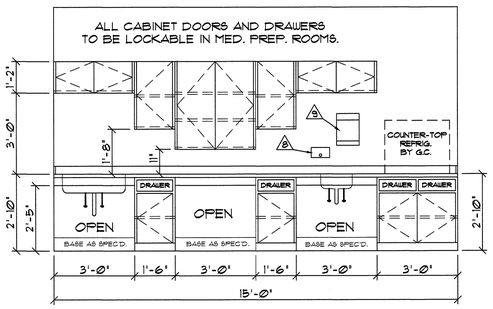
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1304 **ELEVATION** SCALE: 3/8" = 1'-0" — CLEAN UTILITY/ CLEAN LINEN # 70 & # 80 (REV.)



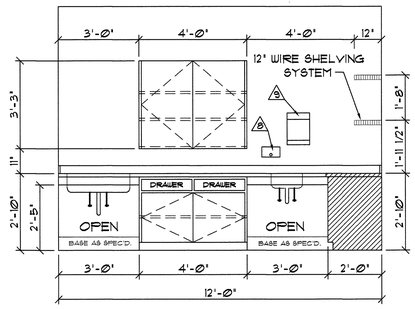
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1305 **ELEVATION** SCALE: 3/8" = 1'-0" — MED. PREP. # 36 & 59 (REV.)



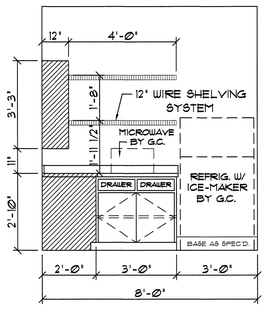
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1306 **ELEVATION** SCALE: 3/8" = 1'-0" — MED. PREP. # 71



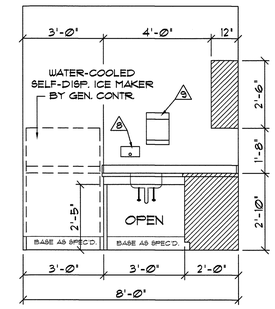
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1307 **ELEVATION** SCALE: 3/8" = 1'-0" — NOUR. STA. # 68



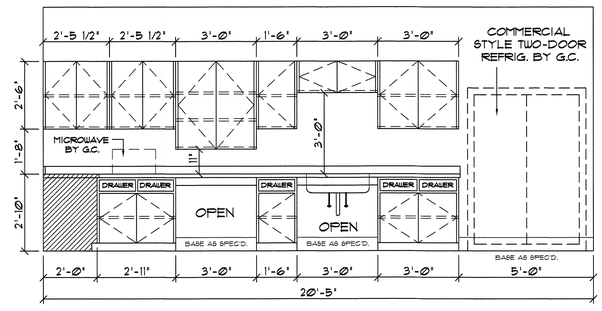
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1308 **ELEVATION** SCALE: 3/8" = 1'-0" — NOUR. STA. # 68



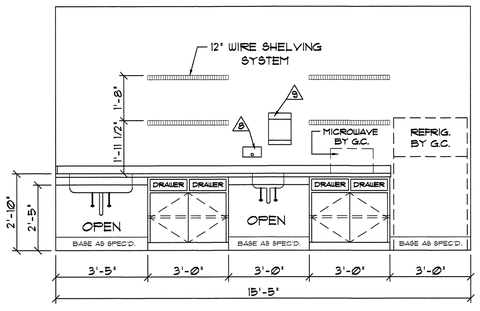
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1309 **ELEVATION** SCALE: 3/8" = 1'-0" — NOUR. STA. # 29 AND # 75



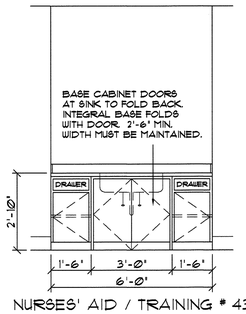
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1310 **ELEVATION** SCALE: 3/8" = 1'-0" — NOUR. STATION # 29 AND # 75



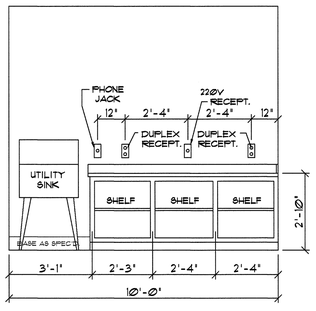
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1311 **ELEVATION** SCALE: 3/8" = 1'-0" — STAFF LOUNGE # 45

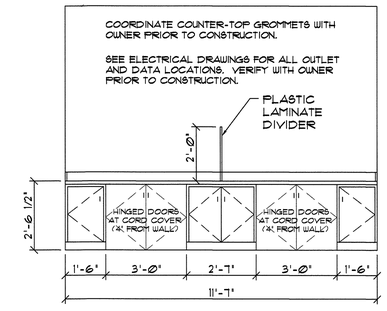


NURSES' AID / TRAINING # 43
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK.

1312 **ELEVATION** SCALE: 3/8" = 1'-0"

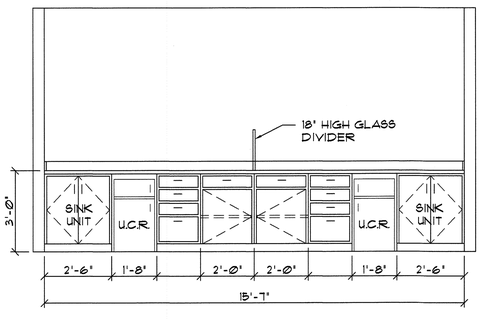


1313 **ELEVATION** SCALE: 3/8" = 1'-0" — MAINT. OFFICE # 53



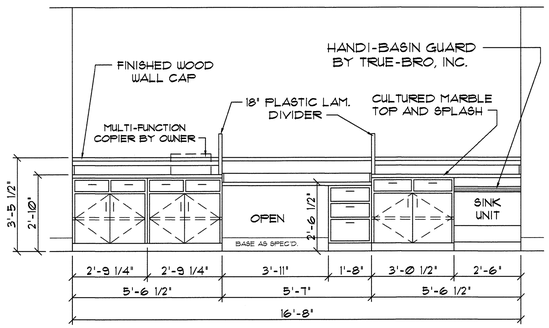
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK (SIM.).

1314 **ELEVATION** SCALE: 3/8" = 1'-0" — M.D.S. OFFICE # 8 / MED. REC. OFF. # 8A



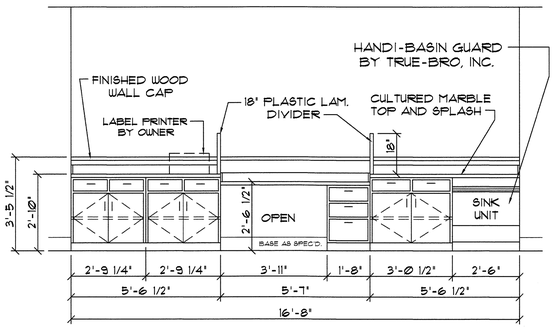
SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK (SIMILAR).

1315 **ELEVATION** SCALE: 3/8" = 1'-0" — DIALYSIS SUITE # 18 (SOIL / CLEAN MILLWORK)



SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK (SIMILAR).

1316 **ELEVATION** SCALE: 3/8" = 1'-0" — DIALYSIS SUITE # 18 (WORK AREA MILLWORK - LEFT)



SEE DETAIL # 1713 FOR CABINET SECTION FOR THIS MILLWORK (SIMILAR).

1317 **ELEVATION** SCALE: 3/8" = 1'-0" — DIALYSIS SUITE # 18 (WORK AREA MILLWORK - RIGHT)

NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

NOTE: SEE INTERIOR DESIGNER DRAWINGS FOR ALL INTERIOR FINISHES AND COLOR SELECTIONS.

NOTE: PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED H.W., C.W., AND WASTE PIPING AT SINKS.

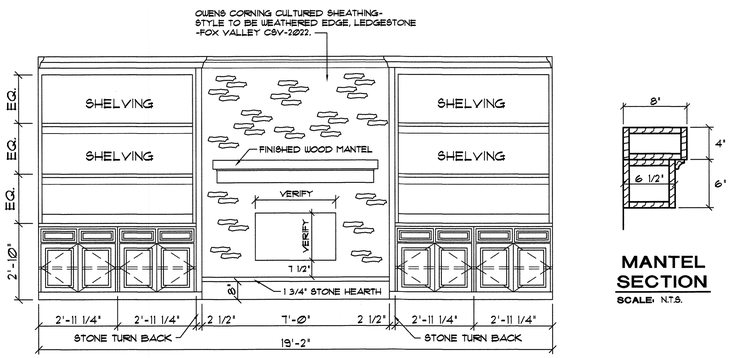
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

A 13

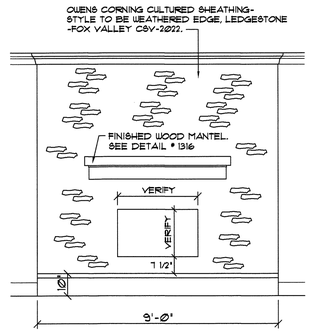


ELECTRIC FIREPLACE UNIT TO BE CLASSIC FLAME - (120V) "FLAME ONLY" (NO HEAT)

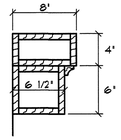
MANTEL SECTION
SCALE: N.T.S.

SEE DETAIL # 1714 FOR CABINET SECTION FOR THIS MILLWORK.

1401 ELEVATION SCALE: 3/8" = 1'-0"
LIVING AREA # 27, LIVING AREA # 77, AND DUNCAN TAVERN # 37

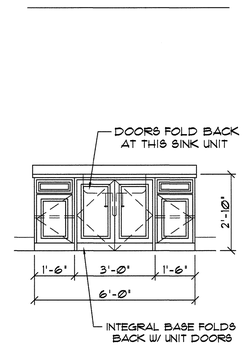


ELECTRIC FIREPLACE UNIT TO BE CLASSIC FLAME - (120V) "FLAME ONLY" (NO HEAT)



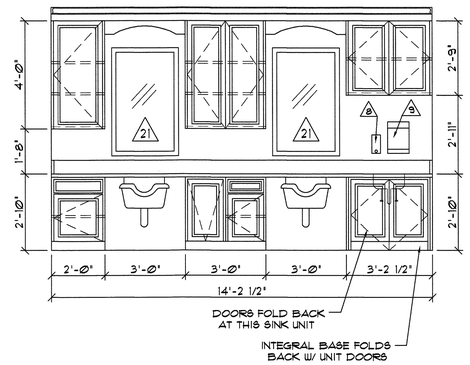
MANTEL SECTION
SCALE: N.T.S.

1402 ELEVATION SCALE: 3/8" = 1'-0"
LOBBY # 1A



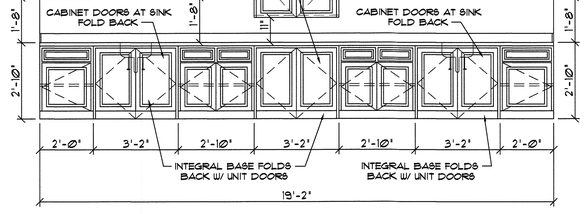
SEE DETAIL # 1714 FOR CABINET SECTION FOR THIS MILLWORK.

1403 ELEVATION SCALE: 3/8" = 1'-0"
ACT. ROOM # 57



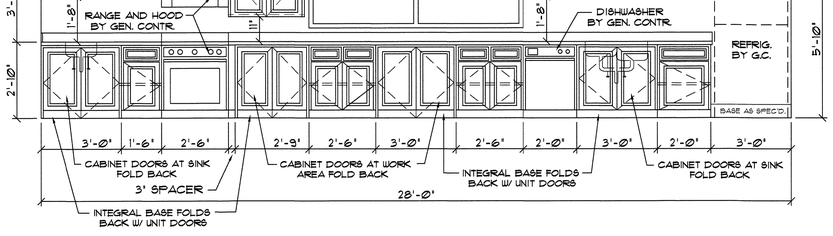
SEE DETAIL # 1714 FOR CABINET SECTION FOR THIS MILLWORK.

1404 ELEVATION SCALE: 3/8" = 1'-0"
BEAUTY SALON # 54



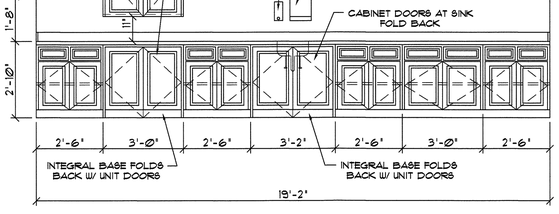
SEE DETAIL # 1714 FOR CABINET SECTION FOR THIS MILLWORK (SIMILAR).

1405 ELEVATION SCALE: 3/8" = 1'-0"
DUNCAN TAVERN # 37



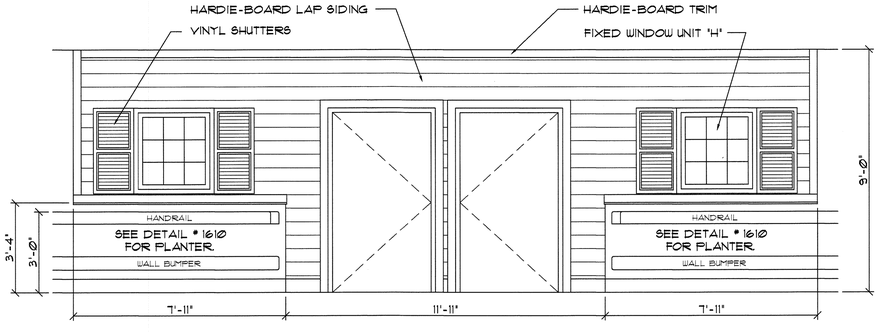
SEE DETAIL # 1714 FOR CABINET SECTION FOR THIS MILLWORK.

1406 ELEVATION SCALE: 3/8" = 1'-0"
OCCUP. THERAPY MILLWORK - PHYSICAL THERAPY # 38



SEE DETAIL # 1714 FOR CABINET SECTION FOR THIS MILLWORK.

1407 ELEVATION SCALE: 3/8" = 1'-0"
DINING ROOM # 28 AND # 76



1408 ELEVATION SCALE: 3/8" = 1'-0"
PLANTERS OUTSIDE BEDROOMS # 205, # 207, # 210, # 212, # 506, # 508, # 509, AND # 511

RESIDENTIAL APPLIANCES BY GENERAL CONTRACTOR

LOCATION / ITEM	QTY.	MANUFACTURER	MODEL NO.	NOTES	LOCATION / ITEM	QTY.	MANUFACTURER	MODEL NO.	NOTES
OCCUP. THERAPY					NOUR. STATIONS # 29 & # 75				
OVEN (VERIFY W/ OWNER)	1	WHIRLPOOL	WEE510S8AGS	STAINLESS STEEL	MICROWAVE	2	G.E.	PEM31DFSS	STAINLESS STEEL
HOOD (30" WIDE UNIT)	1	BROAN	403004	STAINLESS STEEL	2-DOOR REFRIGERATOR	2	COMMERCIAL STYLE REFRIGERTOR - PART OF KITCHEN EQUIP. ALLOWANCE		
DISHWASHER	1	G.E.	GDT225SSLSS	STAINLESS STEEL	SELF DISP. ICE MAKER	2	WATER COOLED ICE MAKER - PART OF KITCHEN EQUIP. ALLOWANCE		
FRIDGE	1	FRIDGIDAIRE	FRSS2623A5	STAINLESS STEEL					
					NOURISHMENT STATION # 68				
MED. PREPS.					FRIDGE	1	FRIDGIDAIRE	FRSS2623A5	STAINLESS STEEL
COUNTER-TOP REFRIG.	3	ACCUCOLD	FFAR23L	WITH LOCK					
					DIALYSIS DEN				
STAFF LOUNGE					SEE DIALYSIS DEN EQUIPMENT SCHEDULE ON SHEET A-8 AT FLOOR PLAN # 801 FOR ADDITIONAL ITEMS				
MICROWAVE	1	G.E.	PEM31DFSS	STAINLESS STEEL					
REFRIGERATOR	1	FRIDGIDAIRE	FRSS2623A5	STAINLESS STEEL					
BDRM. ELEVATION # 1008									
UNDER-COUNT. REFRIG.	20	SUMMIT	AL54	ADA COMPLIANT, STAINLESS STEEL					

NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

NOTE: SEE INTERIOR DESIGNER DRAWINGS FOR ALL INTERIOR FINISHES AND COLOR SELECTIONS.

NOTE: PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED H.W., C.W., AND WASTE PIPING AT SINKS.

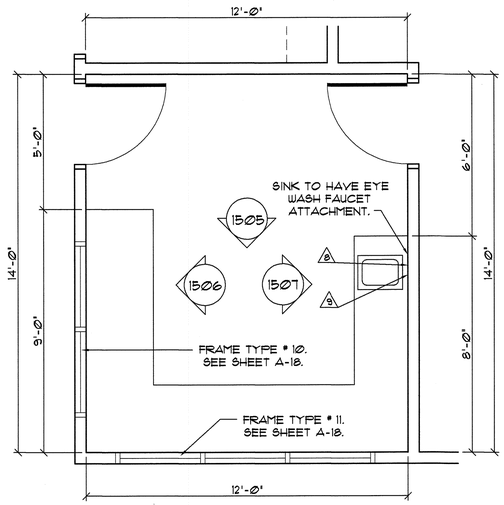
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

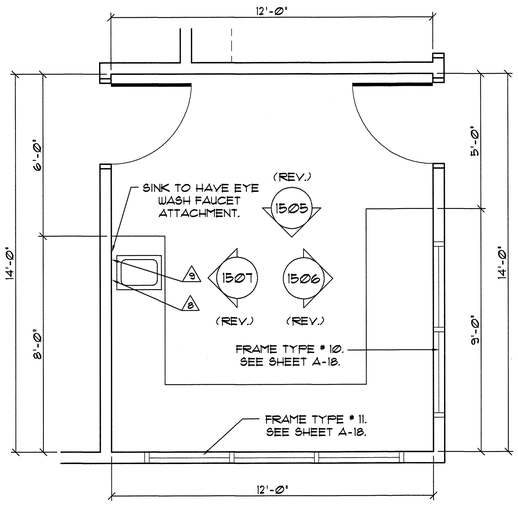
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

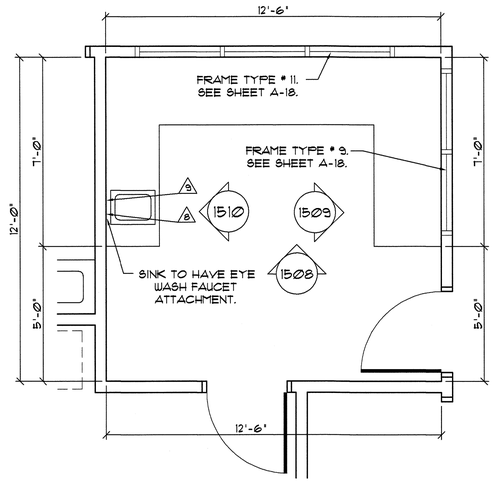
A 14



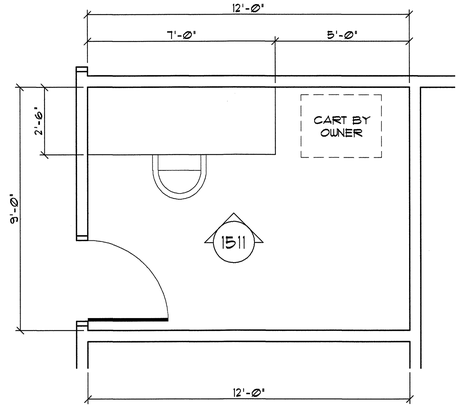
1501 **FLOOR PLAN** NURSES' STATION # 35
SCALE: 3/8" = 1'-0"



1502 **FLOOR PLAN** NURSES' STATION # 60
SCALE: 3/8" = 1'-0"

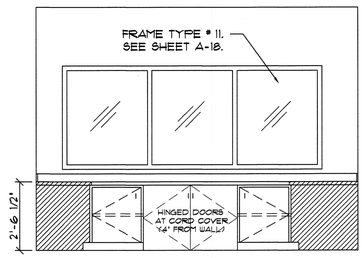


1503 **FLOOR PLAN** NURSES' STATION # 72
SCALE: 3/8" = 1'-0"



1504 **FLOOR PLAN** CONTROL POINT # 42A
SCALE: 3/8" = 1'-0"

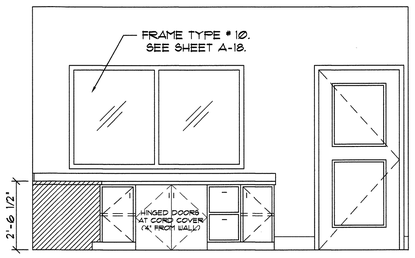
SEE ELECTRICAL DRAWINGS FOR ALL OUTLET AND DATA LOCATIONS. VERIFY WITH OWNER PRIOR TO CONSTRUCTION.



COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1505 **ELEVATION** NURSES' STATIONS # 35 AND # 60 (REV.)
SCALE: 3/8" = 1'-0"

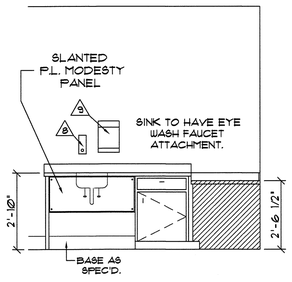
SEE ELECTRICAL DRAWINGS FOR ALL OUTLET AND DATA LOCATIONS. VERIFY WITH OWNER PRIOR TO CONSTRUCTION.



COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1506 **ELEVATION** NURSES' STATIONS # 35 AND # 60 (REV.)
SCALE: 3/8" = 1'-0"

SEE ELECTRICAL DRAWINGS FOR ALL OUTLET AND DATA LOCATIONS. VERIFY WITH OWNER PRIOR TO CONSTRUCTION.

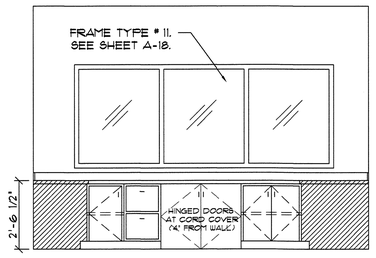


COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

NURSES' STATIONS # 35 AND # 60 (REV.)

1507 **ELEVATION**
SCALE: 3/8" = 1'-0"

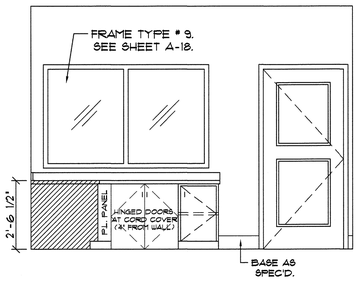
SEE ELECTRICAL DRAWINGS FOR ALL OUTLET AND DATA LOCATIONS. VERIFY WITH OWNER PRIOR TO CONSTRUCTION.



COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1508 **ELEVATION** NURSES' STATION # 72
SCALE: 3/8" = 1'-0"

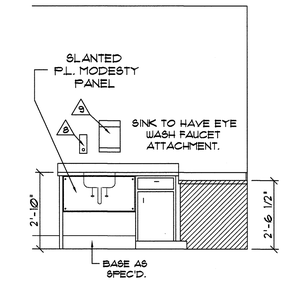
SEE ELECTRICAL DRAWINGS FOR ALL OUTLET AND DATA LOCATIONS. VERIFY WITH OWNER PRIOR TO CONSTRUCTION.



COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1509 **ELEVATION** NURSES' STATION # 72
SCALE: 3/8" = 1'-0"

SEE ELECTRICAL DRAWINGS FOR ALL OUTLET AND DATA LOCATIONS. VERIFY WITH OWNER PRIOR TO CONSTRUCTION.



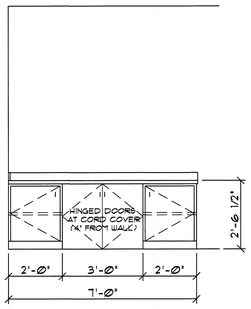
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1510 **ELEVATION** NURSES' STATION # 72
SCALE: 3/8" = 1'-0"

NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

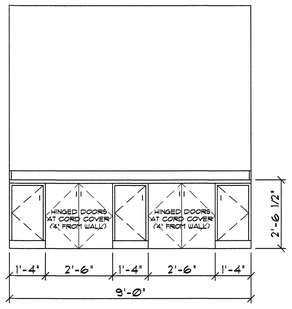
NOTE: PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED H.W. AND WASTE PIPING AT SINKS.

NOTE: SEE INTERIOR DESIGNER DRAWINGS FOR ALL INTERIOR FINISHES AND COLOR SELECTIONS.



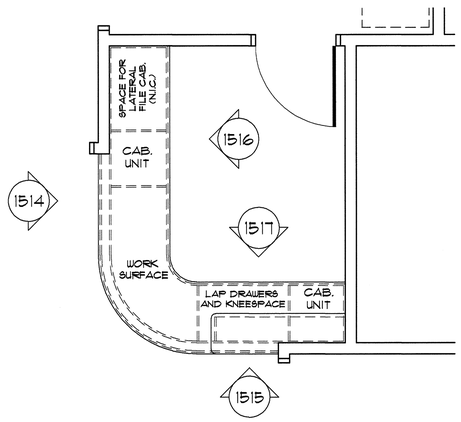
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1511 **ELEVATION** CONTROL POINT # 42A
SCALE: 3/8" = 1'-0"



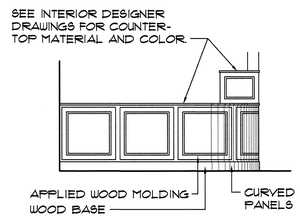
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

1512 **ELEVATION** COPIER # 11
SCALE: 3/8" = 1'-0"



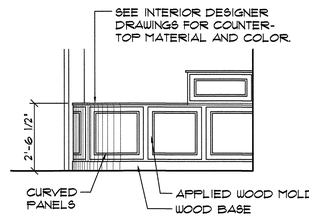
1513 **FLOOR PLAN** RECEPTION # 13
SCALE: 3/8" = 1'-0"

SEE INTERIOR DESIGNER DRAWINGS FOR COUNTER-TOP MATERIAL AND COLOR.



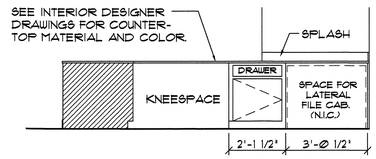
1514 **ELEVATION** RECEPTION # 13 COUNTER
SCALE: 3/8" = 1'-0"

SEE INTERIOR DESIGNER DRAWINGS FOR COUNTER-TOP MATERIAL AND COLOR.



1515 **ELEVATION** RECEPTION # 13 COUNTER
SCALE: 3/8" = 1'-0"

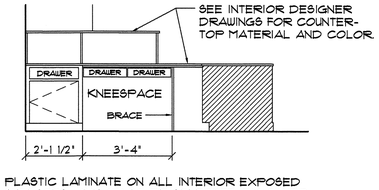
SEE INTERIOR DESIGNER DRAWINGS FOR COUNTER-TOP MATERIAL AND COLOR.



PLASTIC LAMINATE ON ALL INTERIOR EXPOSED SURFACES. COLOR TO BE SELECTED BY OWNER.

1516 **ELEVATION** RECEPTION # 13 COUNTER
SCALE: 3/8" = 1'-0"

SEE INTERIOR DESIGNER DRAWINGS FOR COUNTER-TOP MATERIAL AND COLOR.



PLASTIC LAMINATE ON ALL INTERIOR EXPOSED SURFACES. COLOR TO BE SELECTED BY OWNER.

1517 **ELEVATION** RECEPTION # 13 COUNTER
SCALE: 3/8" = 1'-0"

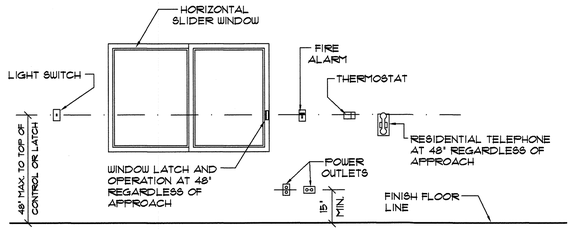
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

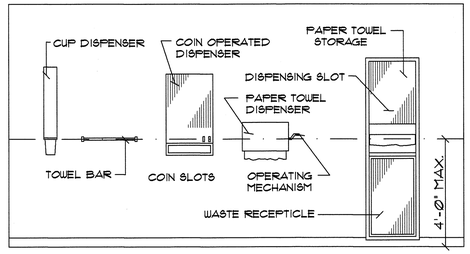
David R. Polston - Architect
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Architecture Planning Design

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A 15

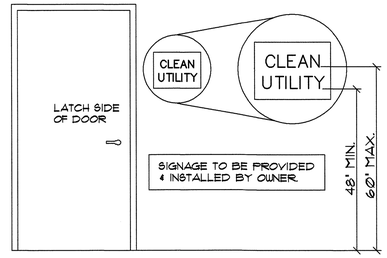


1601 **DETAIL** SCALE: N.T.S. — MOUNTING HEIGHT REQUIREMENTS



DETAIL SHOWS TYPICAL MOUNTING HEIGHTS OF TOILET ACCESSORIES. SEE TOILET ACCESSORIES SCHEDULE FOR ACTUAL ACCESSORIES USED.

1602 **ELEVATION** SCALE: 3/8"=1'-0" — MOUNTING. HGHTS. - TOWEL BARS, DISPENSERS, DISPOSALS, ETC.



NOTE: ALL SIGNAGE PROVIDED BY THE OWNER SHALL COMPLY WITH ALL MOUNTING HEIGHTS, CHARACTER, AND BRAILLE REQUIREMENTS OF ANSI A117.1-03.

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

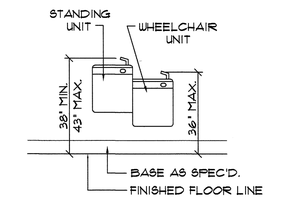
CHARACTER HEIGHT: MIN. CHARACTER HEIGHT SHALL BE 5".

RAISED & BRAILLED CHARACTERS & PICTORAL 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 A EITHER LIGHT ON DARK OR DARK ON LIGHT.

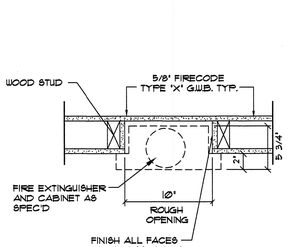
MOUNTING LOCATION & HEIGHT: PERMANENT IDENTIFICATION INSTALLED ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE ADJACENT TO THE LATCH SIDE, PLACE ON NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE FIN. FLOOR TO CENTERLINE OF SIGNAGE, SO THAT PERSON MAY APPROACH W/IN 3" OF SIGNAGE W/OUT PROTRUSIONS OR SWING OF DOOR.

1603 **DETAIL** SCALE: 1/2" = 1'-0" — SIGNAGE LOCATION



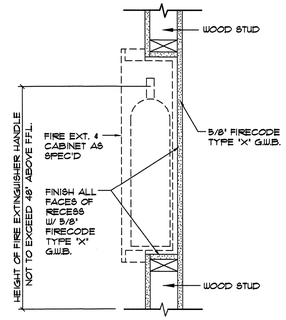
HIGH / LOW WATER COOLER SPOUT LOCATION AND WATER FLOW TO COMPLY WITH ANSI 117.1 - 2003 SECTIONS 602.5 AND 602.3.

1604 **ELEVATION** SCALE: 3/8" = 1'-0" — DUAL-HEIGHT ELEC. WATER COOLER



ALL RECESSED FIRE EXTINGUISHERS TO BE INSTALLED IN NON-RATED WALL LOCATIONS.

PLAN



CROSS-SECTION

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

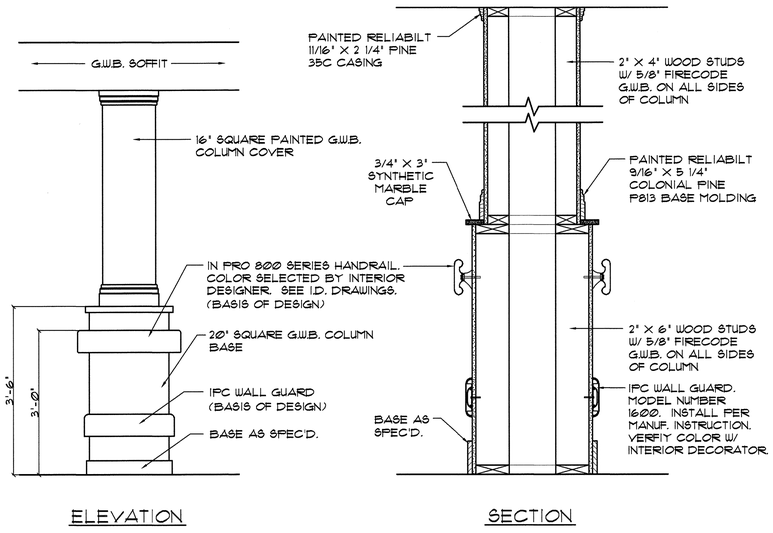
TYPE 'D' :
POTTER-ROEMER NO. 3260
2A:10B:C:K
REQUIRED AT KITCHEN

CABINETS:
POTTER-ROEMER NO. 1724RR
VERIFY THE OPENING SIZE
OPENING SIZE 10" X 25" X 3 7/8"

1605 **DETAIL** SCALE: N.T.S. — TYP. FIRE EXTINGUISHERS / CABINET DETAILS

INTERIOR STEEL COLUMNS TO BE WRAPPED WITH (2) LAYERS OF 5/8" FIRECODE G.W.B. PRIOR TO CONSTRUCTING THE FINISHED COLUMN.

FINISH COLUMN BASE WITH INPRO RIGID VINYL WALLCOVERING TO MATCH CORRIDOR. VERIFY MATERIAL USED WITH INTERIOR DESIGNER DRAWINGS. (I.D. SHEETS) - INPRO USED AS BASIS OF DESIGN.

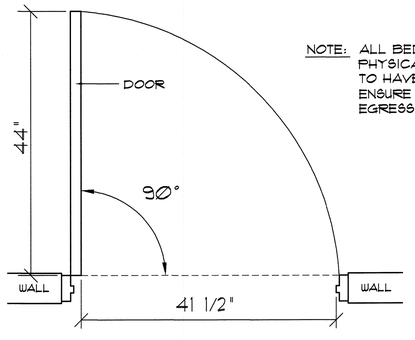


ELEVATION SECTION

1606 **DETAIL** SCALE: N.T.S. — INTERIOR COLUMN CONSTRUCTION

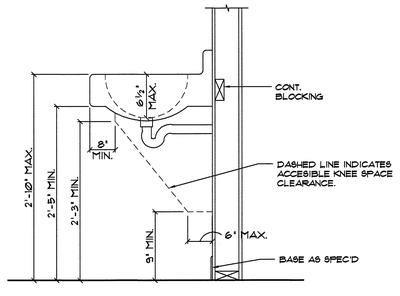
1610 **DETAIL** SCALE: N.T.S — TYPICAL PLANTER BOX AT BEDROOMS # 205, # 207, # 210, # 212, # 506, # 508, # 509, AND # 511

NOTE: ALL BEDROOM DOORS AND PHYSICAL THERAPY DOORS TO HAVE OFFSET HINGES TO ENSURE 41 1/2" CLEAR EGRESS WIDTH.

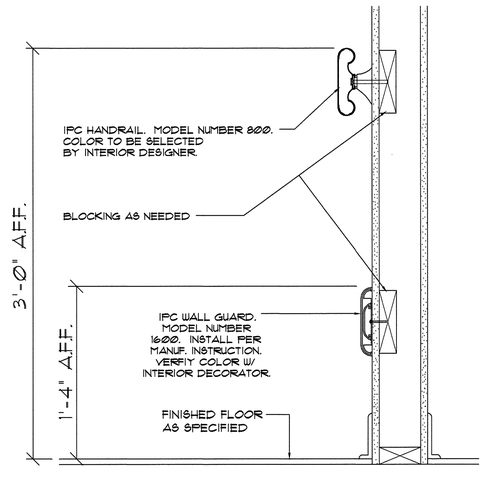


ALL 3'-8" WIDE PATIENT USE DOORS MUST PROVIDE 41 1/2" CLEAR EGRESS WIDTH AS SHOWN OR PROVIDE OFF-SET HINGES TO PROVIDE THE REQUIRED 41 1/2" CLEAR EGRESS WIDTH.

1607 **SECTION** SCALE: 1"=1'-0" — MINIMUM REQUIRED CLEAR EGRESS WIDTH AT ALL PATIENT USE DOORS



1608 **DETAIL** SCALE: 1" = 1'-0" — CLEARANCES AT WALL-HUNG LAV. FOR H/C ACCESSIBILITY



1609 **DETAIL** SCALE: N.T.S — TYPICAL CORRIDOR HANDRAIL

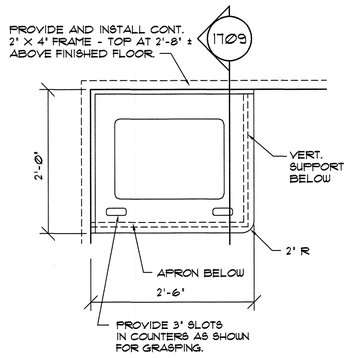
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7.1.2015

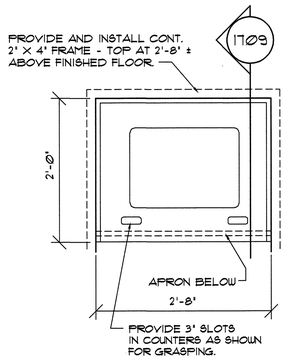
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125 BED FACILITY

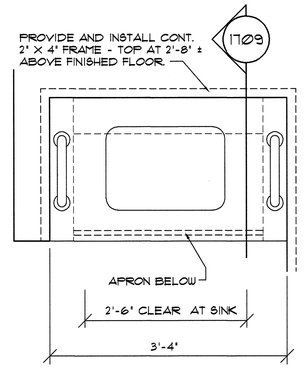
A 16



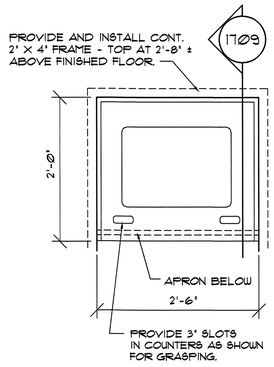
1701 **DETAIL** VANITY AT TYPICAL NON-RECESSED LOCATIONS
SCALE: N.T.S.



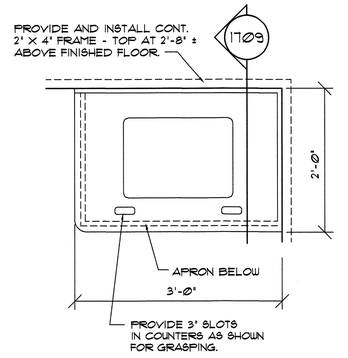
1702 **DETAIL** VANITY AT TYPICAL RECESSED LOCATIONS
SCALE: N.T.S.



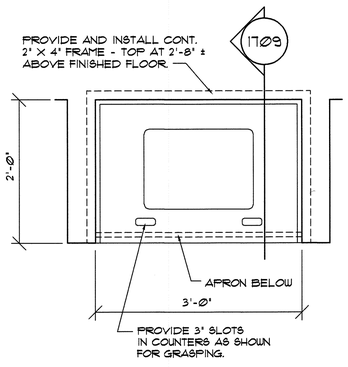
1703 **DETAIL** VANITY AT BARIATRIC TOILET LOCATIONS
SCALE: N.T.S.



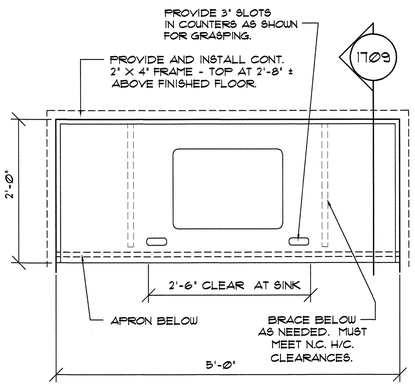
1704 **DETAIL** VANITY AT TLT. # 12 AND TUB ROOM # 65
SCALE: N.T.S.



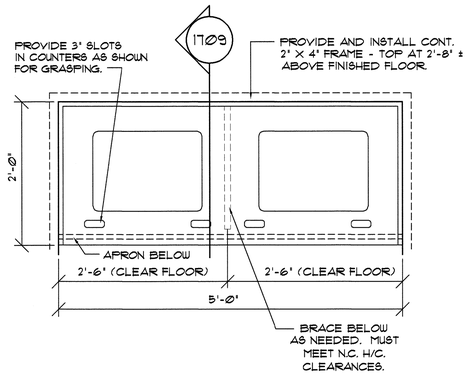
1705 **DETAIL** VANITY AT TOILET # 18A
SCALE: N.T.S.



1706 **DETAIL** VANITY AT TUB TOOM # 55
SCALE: N.T.S.

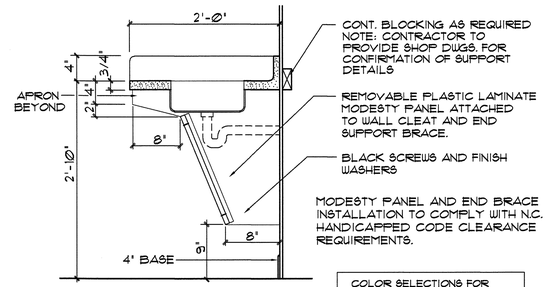


1707 **DETAIL** VANITY AT TOILET # 45B
SCALE: N.T.S.



1708 **DETAIL** VANITY AT MEN # 6 AND WOMEN # 7
SCALE: N.T.S.

NOTE: SEE INTERIOR DESIGN DRAWINGS FOR VANITY MATERIAL AND COLORS. (VERIFY SINK STYLE W/ INTERIOR DESIGNER & PLUMBING DRAWINGS.)



COLOR SELECTIONS FOR CULTURED MARBLE MATERIAL AND PLASTIC LAMINATE TO BE BY OWNER.

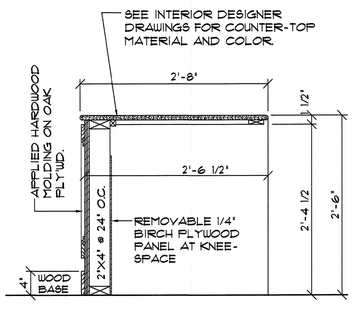
1709 **DETAIL** TYPICAL PATIENT TOILET ROOM VANITY SECTION
SCALE: 1" = 1'-0"

SEE INTERIOR DESIGN SHEETS FOR COUNTER-TOP AND CABINET MATERIAL / FINISHES FOR ALL ROOMS REQUIRING MILLWORK.

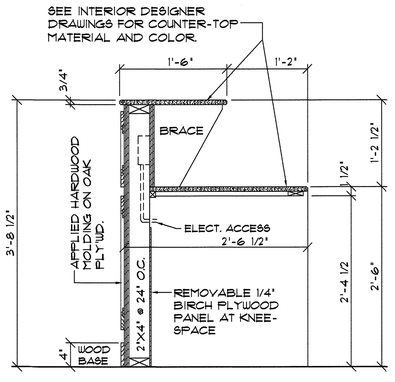
NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

NOTE: PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED H.W. AND WASTE PIPING AT SINKS.

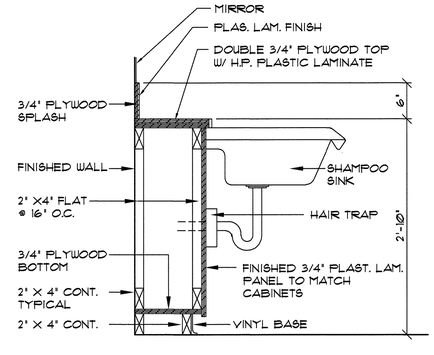
PROVIDE A MINIMUM OF ONE WALL CABINET AT ALL HANDICAPPED UNITS AT 46" MAX. A.F.F. TO BOTTOM SHELF.



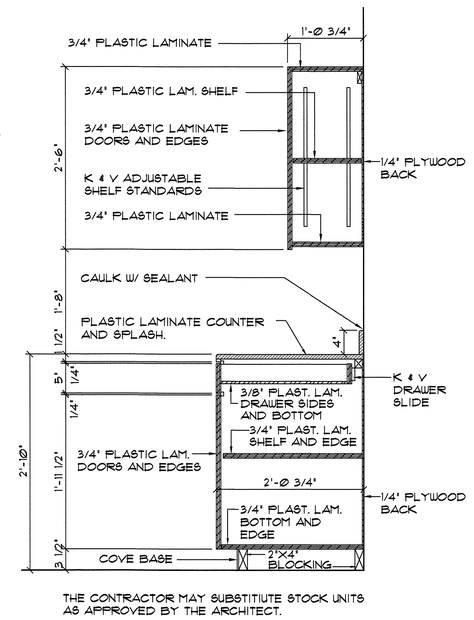
1710 **SECTION** RECEPTION COUNTER SECTION (RECEPT. # 13)
SCALE: 1" = 1'-0"



1711 **SECTION** RECEPTION COUNTER SECTION (RECEPT. # 13)
SCALE: 1" = 1'-0"

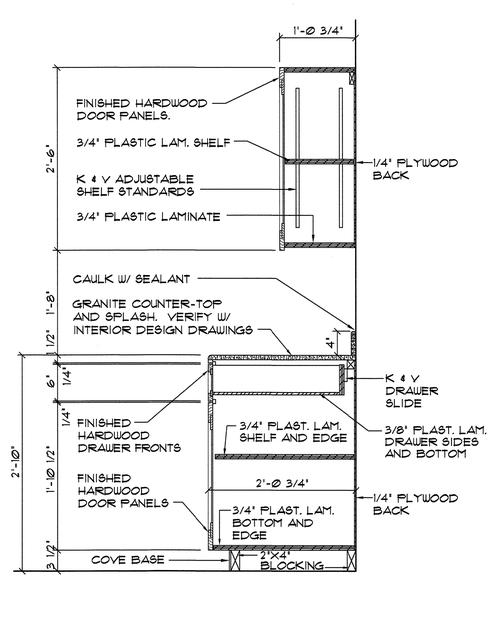


1712 **DETAIL** CABINETS @ BEAUTY SHOP SINK
SCALE: 1" = 1'-0"



THE CONTRACTOR MAY SUBSTITUTE STOCK UNITS AS APPROVED BY THE ARCHITECT.

1713 **DETAIL** TYPICAL CABINETS (STAFF SUPPORT LOCATIONS)
SCALE: 1" = 1'-0"



1714 **DETAIL** TYPICAL CABINETS (COMMUNITY USE LOCATIONS)
SCALE: 1" = 1'-0"

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3275
NORTH CAROLINA
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A 17

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRM. TYPE	HARDWARE SET	REMARKS
1	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	E	
2	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
3	DELETED	—	—	—	—	—	—	—	
4	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
5	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	D	
6	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
7	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
8	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
9	3'-0" X 6'-8"	HWM	3	—	HWM	—	1	C	
9A	6'-0" X 6'-8"	HWM	4	—	HWM	—	1	C	
10	6'-0" X 6'-8"	HWM	4	—	HWM	—	1	C	
11	6'-0" X 6'-8"	HWM	4	—	HWM	—	1	C	
12	4'-0" X 6'-8"	ALUM.	1	—	ALUM.	—	4	D	
13	4'-0" X 6'-8"	ALUM.	1	—	ALUM.	—	4	D	
13A	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
14	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
15	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	D	
16	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
17	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	P	
18	3'-0" X 6'-8"	HWM	3	—	HWM	—	1	C	
19	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	2	D	
20	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	C	
21	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	C	
22	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	1	C	
23	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	3	C	
24	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	3	C	
25	3'-8" X 6'-8"	ALUM.	1	—	ALUM.	—	1	C	
26	7'-4" X 6'-8"	ALUM.	2	—	ALUM.	—	1	C	
27	7'-4" X 6'-8"	SCW	6	LRDA	HWM	—	1	L	
28	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
29	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
30	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
31	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
32	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
32A	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
33	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
34	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	H	
35	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
36	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
37	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
38	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	G	
39	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
39A	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
40	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	M	
41	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	M	
42	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
42A	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	H	"S" LABEL
43	3'-8" X 6'-8"	SCW	7	LRDA	HWM	—	1	H	
43A	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	G	
43B	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
43C	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	J	
44	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
44A	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
45	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	F	
45A	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
46	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
47	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
47A	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	G	
48	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
49	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
50	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
51	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
52	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
53	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	K	
53A	3'-0" X 6'-8"	SCW	7	—	HWM	—	1	J	
54	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	5	H	
54A	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	5	H	
54B	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	F	
54C	3'-0" X 6'-8"	SCW	5	—	HWM	—	1	H	
54D	3'-0" X 6'-8"	SCW	5	—	HWM	—	1	H	
54E	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
55	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
55A	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	K	
56	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
56A	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
57	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
57A	5'-0" X 6'-8"	SCW	4	—	HWM	—	1	N	
57B	5'-0" X 6'-8"	SCW	4	—	HWM	—	1	N	
58	4'-0" X 6'-8"	HWM	3	45MIN	HWM	45MIN	1	S	"S" LABEL
59	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	G	
60	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
60A	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	H	
61	4'-0" X 6'-8"	HWM	9	45MIN	HWM	45MIN	1	S	"S" LABEL
61A	4'-0" X 6'-8"	HWM	9	45MIN	HWM	45MIN	1	S	"S" LABEL
61B	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	I	
61C	2'-0" X 6'-8"	SCW	3	—	HWM	—	1	H	
62	3'-8" X 6'-8"	HWM	7	—	HWM	—	1	S	
62A	3'-8" X 6'-8"	HWM	7	—	HWM	—	1	S	
62B	3'-0" X 6'-8"	SCW	5	—	HWM	—	1	H	
62C	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	I	
62D	3'-0" X 6'-8"	HWM	3	45MIN	HWM	45MIN	1	S	
62E	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	I	
63	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
64	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
65	3'-0" X 6'-8"	HWM	3	45MIN	HWM	45MIN	1	S	"S" LABEL
66	4'-0" X 6'-8"	HWM	3	45MIN	HWM	45MIN	1	S	"S" LABEL
67	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
68	3'-8" X 6'-8"	SCW	3	LRDA	HWM	—	1	I	
69	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
70	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
71	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	H	
72	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
73	3'-8" X 6'-8"	SCW	3	LRDA	HWM	—	1	I	
74	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	I	
74A	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
75	3'-0" X 6'-8"	SCW	7	LRDA	HWM	—	1	I	
76	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	I	
77	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
78	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
78A	3'-0" X 6'-8"	SCW	7	—	HWM	—	1	J	
79	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	K	
79A	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	F	
80	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
80A	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	I	
81	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
82	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
83	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
84	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
85	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	F	
86	3'-0" X 6'-8"	SCW	3	45MIN	HWM	45MIN	1	J	"S" LABEL
87	3'-0" X 6'-8"	SCW	5	LRDA	HWM	—	1	K	
87A	3'-0" X 6'-8"	SCW	7	—	HWM	—	1	J	
88	3'-0" X 6'-8"	SCW	3	LRDA	HWM	—	1	J	
89	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
89A	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
89B	3'-0" X 6'-8"	SCW	5	—	HWM	—	1	H	
89C	3'-0" X 6'-8"	SCW	3	—	HWM	—	1	I	
90	3'-8" X 6'-8"	SCW	5	LRDA	HWM	—	1	H	
91	7'-4" X 6'-8"	SCW	6	LRDA	HWM	—	1	O	
92	7'-4" X 6'-8"	SCW	8	LRDA	HWM	—	1	P	DOUBLE EGRESS FRAME
93	7'-4" X 6'-8"	SCW	8	LRDA	HWM	—	1	R	DOUBLE EGRESS FRAME
94	7'-4" X 6'-8"	HWM	8	LRDA	HWM	—	1	Q	DOUBLE EGRESS FRAME
95	7'-4" X 6'-8"	HWM	8	LRDA	HWM	—	1	Q	DOUBLE EGRESS FRAME
96	7'-4" X 6'-8"	SCW	10	20MIN	HWM	20MIN	1	O	DBL. EGRESS FRAME / "S" LABEL
97	7'-4" X 6'-8"	SCW	10	20MIN	HWM	20MIN	1	O	DBL. EGRESS FRAME / "S" LABEL
98	7'-4" X 6'-8"	SCW	10	20MIN	HWM	20MIN	1	O	DBL. EGRESS FRAME / "S" LABEL
99	7'-4" X 6'-8"	SCW	11	90MIN	HWM	90MIN	1	O	DBL. EGRESS FRAME / "S" LABEL
99A	7'-4" X 6'-8"	SCW	11	90MIN	HWM	90MIN	1	O	DBL. EGRESS FRAME / "S" LABEL
99B	7'-4" X 6'-8"	SCW	11	90MIN	HWM	90MIN	1	O	DBL. EGRESS FRAME / "S" LABEL
99C	7'-4" X 6'-8"	SCW	11	90MIN	HWM	90MIN	1	O	DBL. EGRESS FRAME / "S" LABEL

HARDWARE SCHEDULE

A	3@3,9,15,17
B	2,7
C	1,8,10,14,18
D	1,8,10,14,18,26
E	1,8,10,14,18,26,27
F	1,4,8,9,15,17
G	1,4,9,15,17
H	1,9,15,17,19
I	1,8,9,15,17,19
J	1,8,9,15,17,31
K	1,3,9,15,17
L	1,5,8,9,27
M	1,3,8,9,15,17
N	1,13,19,29
O	1,6,8,9,11,13,15
P	1,5,8,9,11,13,15
Q	5,8,9,11,13,15,32
R	1,5,8,9,13,26
S	8,9,15,17,31,32

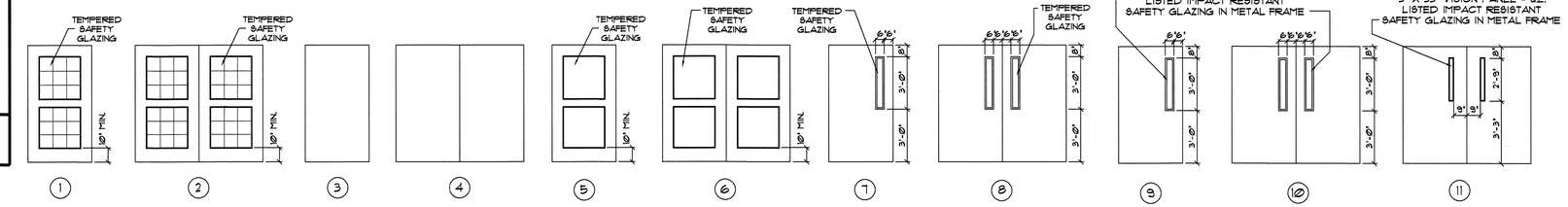
1) FULL MORTISE BALL BEARING HINGES
2) OVERHEAD BARN DOOR TRACK - PEMKO BRT W@8
3) LEVER HANDLE PASSAGE LATCH
4) LEVER HANDLE PRIVACY LOCK
5) PUSH / PULL SET
6) FIRE EXIT VERTICAL ROD EXIT DEVICE
7) 6" U SHAPED PULL ON EACH SIDE OF DOOR
8) CLOSER
9) WALL MOUNTED DOOR BUMPER WITH ADEQUATE WOOD BLOCKING
10) UL LISTED EXIT DEVICE WITH EXTERIOR LEVER HANDLE ENTRY LOCKSET
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 (AT BEDROOM WARDROBE UNITS)
22) LEVER HANDLE LOCKSET (STORAGE FUNCTION)
23) AUTOMATIC FLUSH BOLTS
24) DOOR COORDINATOR
25) SMOKE GASKETING
26) MAGNETIC DOOR LOCK
27) POWERED AUTOMATIC DOOR OPENER SYSTEM
28) KEYED DEADBOLT
29) MANUAL FLUSH BOLTS
30) FULL MORTISE BALL BEARING OFFSET HINGES
31) LEVER HANDLE KEYPAD LOCKSET
32) CONTINUOUS HEAVY DUTY PIANO HINGE

NOTE: DOOR TYPES 5 AND 6 DO NOT REQUIRE KICKPLATES.

NOTE: SEE SHEET A-33, STORAGE BUILDING FOR ADDITIONAL DOOR, FRAME, AND HARDWARE REQUIREMENTS.

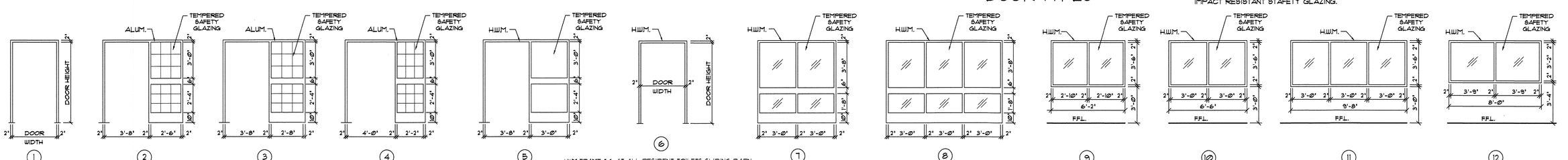
NOTES:

1. "S" LABEL FOR FIRE RATED DOOR ASSEMBLY TESTED AND APPROVED FOR SMOKE RESISTANCE.
2. "LRDA" LEAKAGE RATED DOOR FOR SMOKE AND DRAFT CONTROL.
3. CONTRACTOR TO COORDINATE LOCATION OF CENTER BAR OF DOOR WITH THAT OF ADJACENT DOOR FRAME.
4. SEE DOOR AND FRAME SCHEDULE FOR DOOR AND FRAME MATERIALS.
5. ALUM. DOOR PANIC DEVICES TO BE CONCEALED RODS WITH FLUSH PANIC DEVICES INTERGRATED INTO DOOR.
6. CONTRACTOR TO PROVIDE WOOD BLOCKING BETWEEN STUDS TO ADEQUATELY SUPPORT OVERHEAD BARN DOOR TRACK.
7. CONTRACTOR TO VERIFY REQUIRED FRAME THROAT OPENING WIDTH FOR EACH INTERIOR PARTITION PRIOR TO ORDERING FRAMES.
8. ALL EXTERIOR DOORS WITH PANIC DEVICE TO HAVE LEVER HANDLE ON OPPOSITE SIDE OF PANIC DEVICE FOR OPENING DOOR.
9. HWM FRAMES AT ALL RESIDENT TOILETS SLIDING BARN DOORS TO HAVE FLAT JAMBS WITH NO PROJECTED STOP.
10. DOORS # 21, # 22, # 23, # 24, # 25, AND # 26 TO HAVE NO CYLINDER LOCKS, FREE ACCESS FROM BOTH DIRECTIONS AT ALL TIMES.



DOOR TYPES

ALL GLAZING IN FIRE RATED DOORS TO BE LISTED AS FIRE RATED GLAZING IN ADDITION TO BEING IMPACT RESISTANT SFATETY GLAZING.



HWM FRAME # 6 AT ALL RESIDENT TOILETS SLIDING BARN DOORS TO HAVE FLAT JAMBS WITH NO PROJECTED STOP.

FRAME TYPES

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Architecture Planning Design

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

7.1.2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

A 18

DOOR AND FRAME SCHEDULE

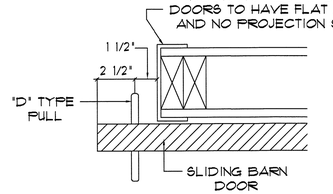
DOOR NO.	DOOR SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRAME TYPE	HARDWARE SET	REMARKS
101	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
102	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
103	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
104	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
105	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
106	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
107	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
108	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
109	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
110	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
111	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
112	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
113	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
114	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
115	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
116	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
117	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
118	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
119	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
120	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
121	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
122	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
123	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
124	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
201	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
202	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
203	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
204	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
205	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
206	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
207	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
208	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
209	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
210	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
211	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
212	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
213	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
214	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
215	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
216	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
217	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
218	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
219	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
220	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
221	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
222	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
223	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
224	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
226	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
227	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
228	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
301	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
302	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
303	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
304	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
305	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
306	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
307	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
308	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
309	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
310	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
311	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
312	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
313	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
314	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
315	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
316	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
317	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
318	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
319	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
320	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
321	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
322	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
323	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
324	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
325	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
326	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
327	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
328	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
329	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
330	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
331	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
332	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
333	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
334	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
335	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
336	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRAME TYPE	HARDWARE SET	REMARKS
401	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
402	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
403	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
404	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
405	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
406	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
407	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
408	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
409	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
410	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
411	4'-0" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
412	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
413	4'-0" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
414	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
415	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
416	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
417	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
418	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
419	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
420	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
421	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
422	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
423	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
424	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
425	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
426	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
427	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
428	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
429	4'-0" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-10" X 6'-10" OPENING
430	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
431	4'-0" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-10" X 6'-10" OPENING
432	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
433	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
434	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
501	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
502	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
503	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
504	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
505	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
506	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
507	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
508	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
509	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
510	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
511	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
512	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
513	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
514	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
515	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
516	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
517	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
518	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
519	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
520	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
521	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
522	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
523	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
524	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
525	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
526	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
527	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
528	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
601	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
602	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
603	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
604	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
605	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
606	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
607	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
608	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
609	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
610	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
611	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
612	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
613	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
614	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
615	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
616	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
617	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
618	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
619	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
620	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING

DOOR AND FRAME SCHEDULE

DOOR NO.	SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRAME TYPE	HARDWARE SET	REMARKS
701	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
702	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
703	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
704	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
706	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
707	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
708	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
709	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
710	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
711	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
712	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
713	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
714	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
715	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
716	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
801	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
802	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
803	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
804	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
805	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
806	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
807	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
808	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
809	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
810	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
811	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
812	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
813	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
814	3'-8" X 6'-8"	SCW	3	LRDA	HEM	—	1	A	OFFSET HINGES
815	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
816	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
817	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
818	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
819	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
820	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
821	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
822	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
823	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
824	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
825	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
826	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
827	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING
828	3'-2" X 7'-0"	SCW	3	—	HEM	—	6	B	3'-0" X 6'-10" OPENING



DOOR PULL PLACEMENT



CLEAR OPENING / DOOR STOP PLACEMENT

1901 **SECTION** TYPICAL BARN DOOR OPENING REQUIREMENTS
SCALE: N.T.S.

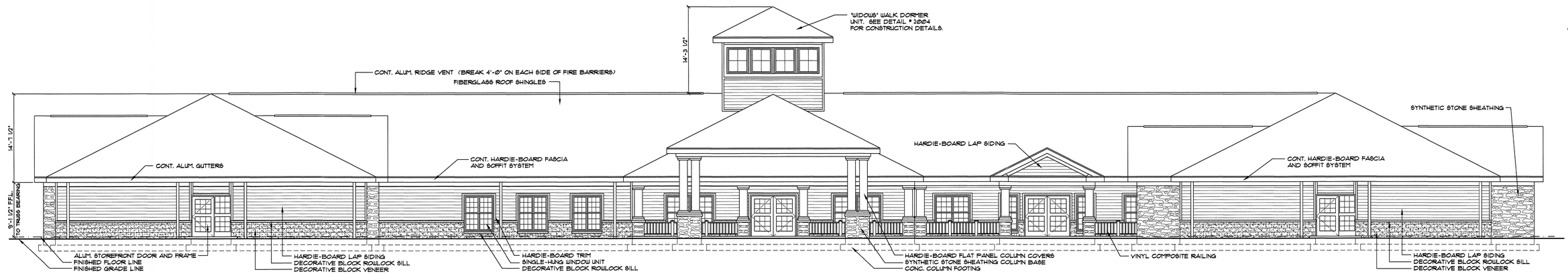
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7.1.2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

A 19

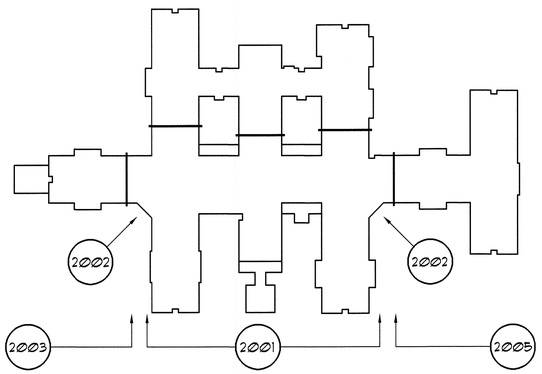


2001 **ELEVATION**
SCALE: 1/8" = 1'-0"

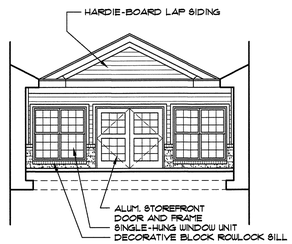
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.

DOWNSPOUT NOTES:

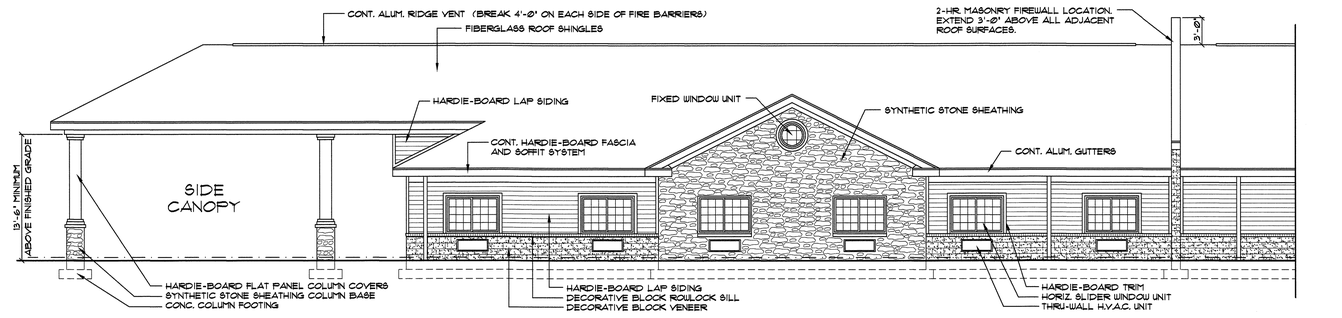
1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.
5. SEE ROOF PLAN (SHEET A-1.1) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.



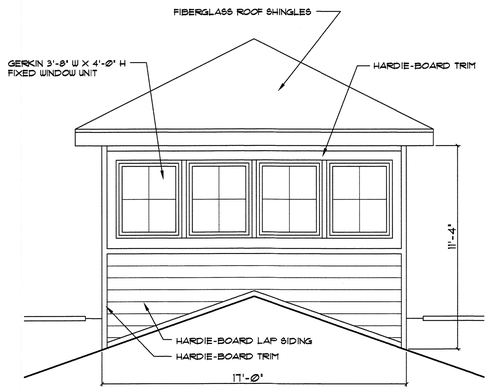
ELEVATION KEY



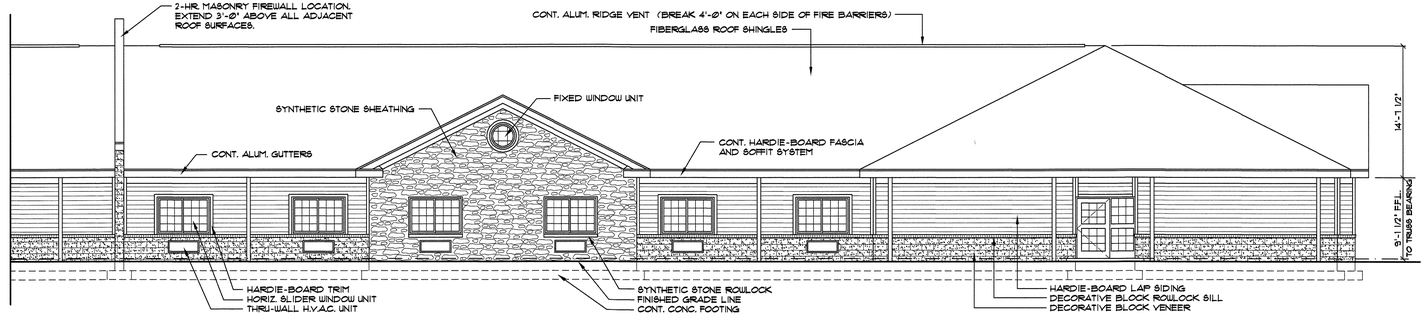
2002 **ELEVATION**
SCALE: 1/8" = 1'-0"



2003 **ELEVATION**
SCALE: 1/8" = 1'-0"



2004 **DETAIL** WIDOWS WALK
SCALE: N.T.S.



2005 **ELEVATION**
SCALE: 1/8" = 1'-0"

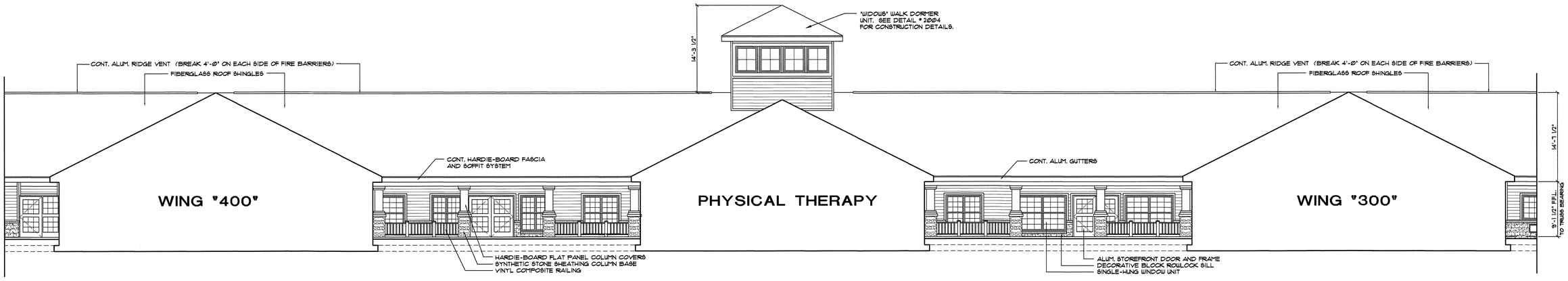
DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
7.1.2025

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3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

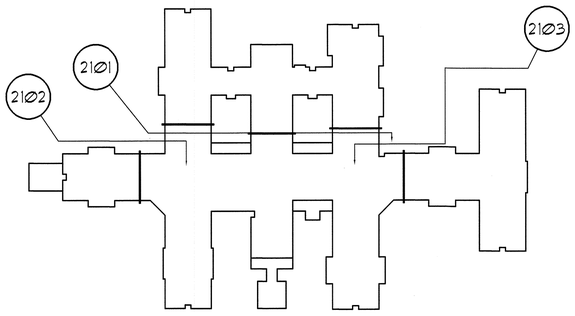
HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

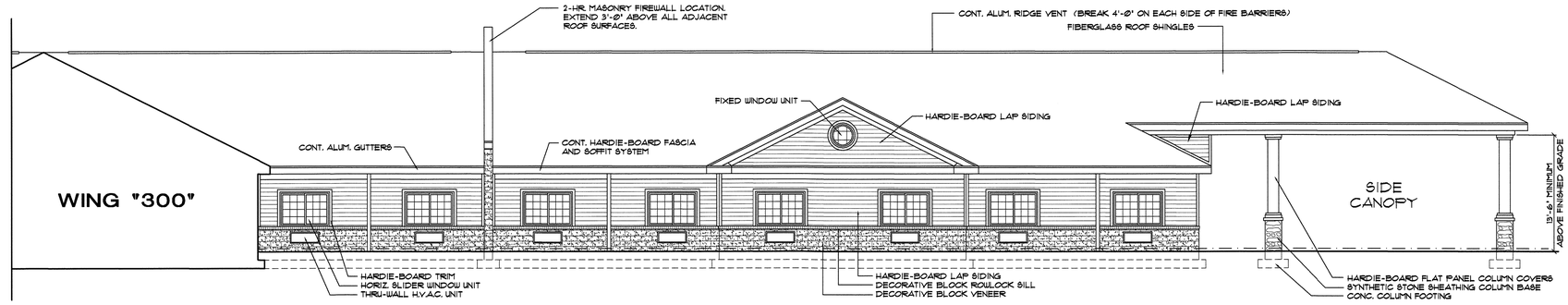
A 20



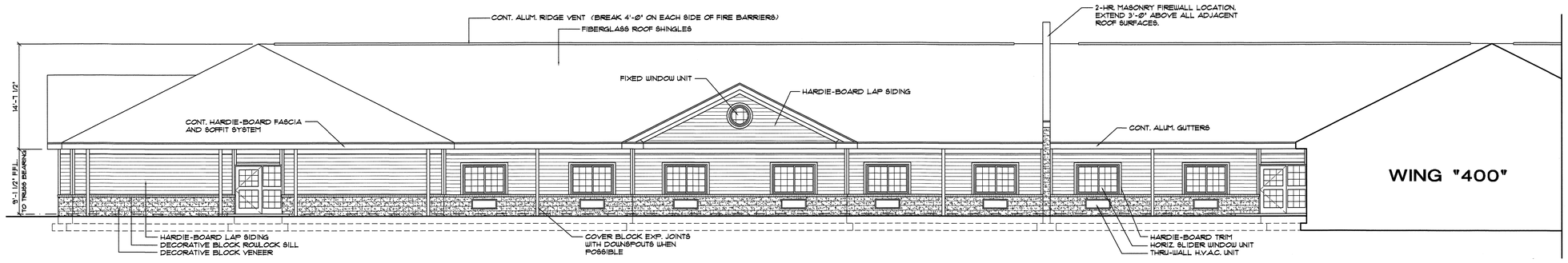
2101 **ELEVATION**
SCALE: 1/8" = 1'-0"



ELEVATION KEY



2102 **ELEVATION**
SCALE: 1/8" = 1'-0"



2103 **ELEVATION**
SCALE: 1/8" = 1'-0"

DOWNSPOUT NOTES:

1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.
5. SEE ROOF PLAN (SHEET A-1.1) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.

NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.

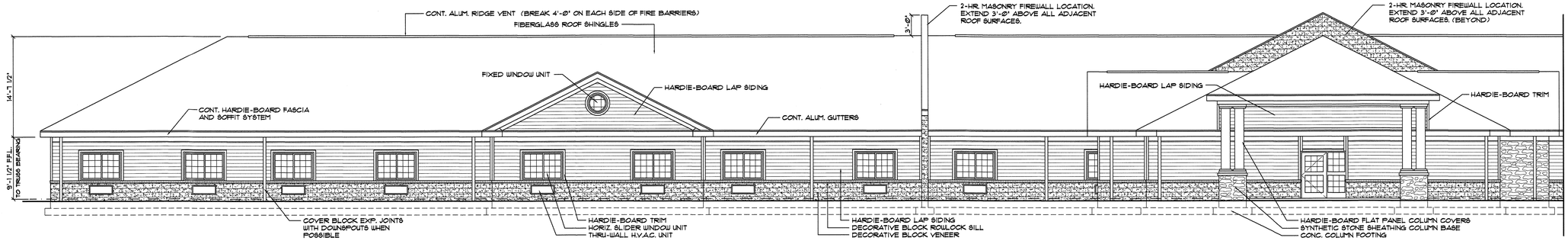
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7.1.2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

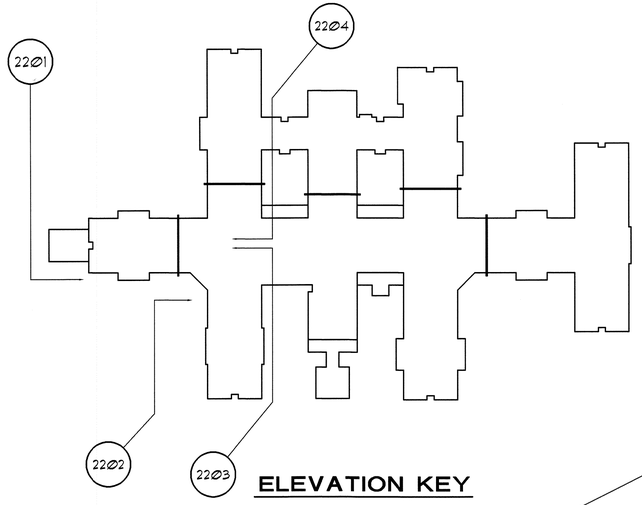
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

A 21



2201 **ELEVATION**
SCALE: 1/8" = 1'-Ø"

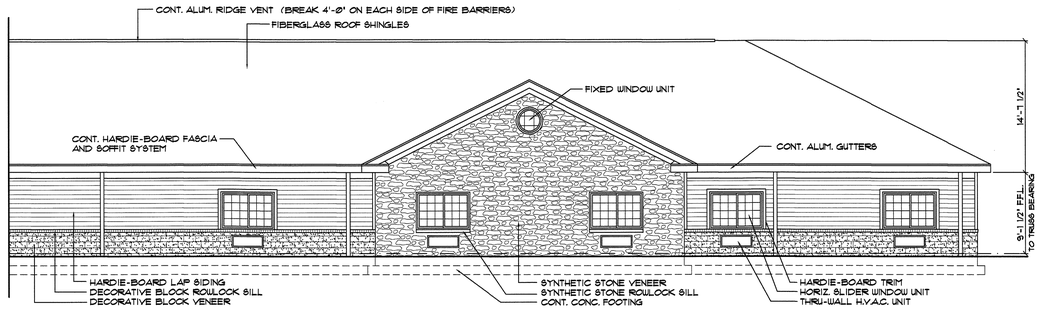


ELEVATION KEY

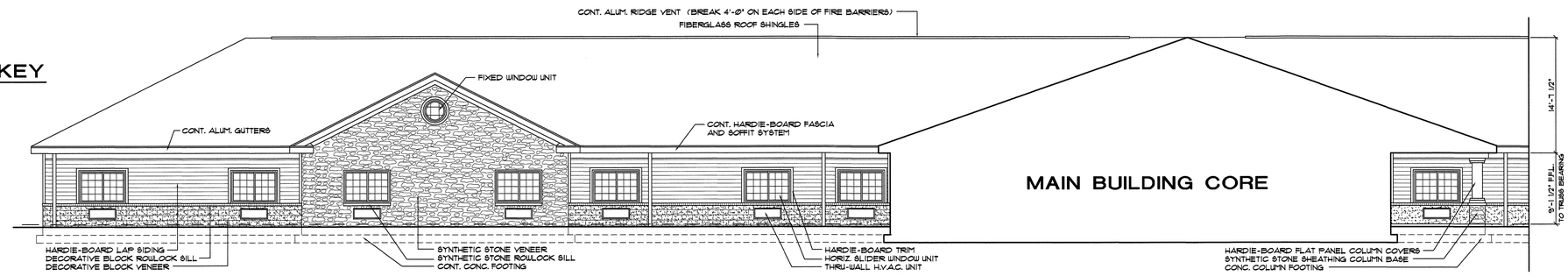
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.

DOWNSPOUT NOTES:

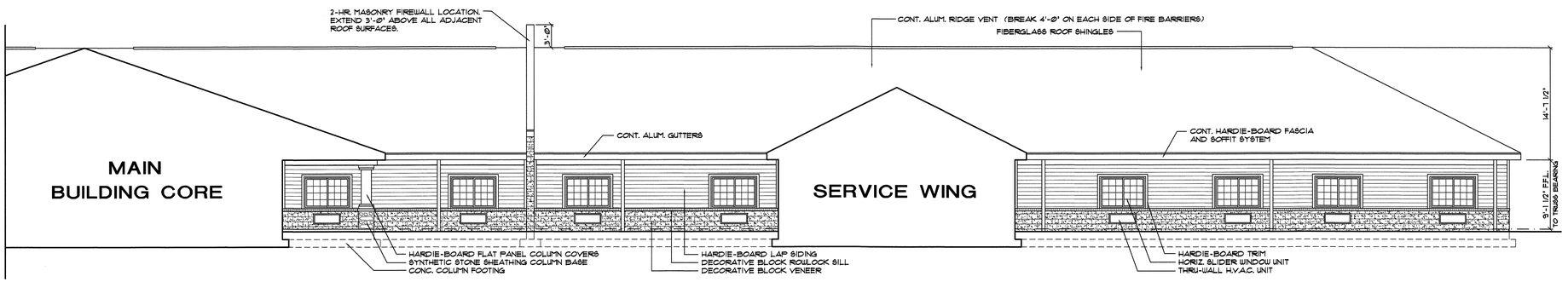
1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
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5. SEE ROOF PLAN (SHEET A-1.1) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.



2202 **ELEVATION**
SCALE: 1/8" = 1'-Ø"



2203 **ELEVATION**
SCALE: 1/8" = 1'-Ø"



2204 **ELEVATION**
SCALE: 1/8" = 1'-Ø"

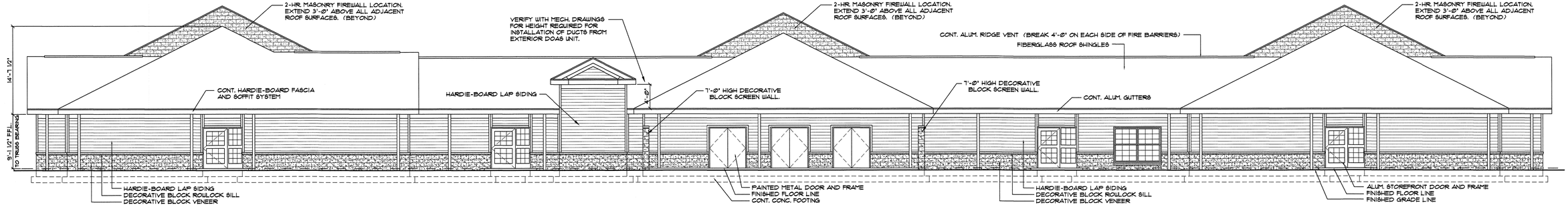
Provided
DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

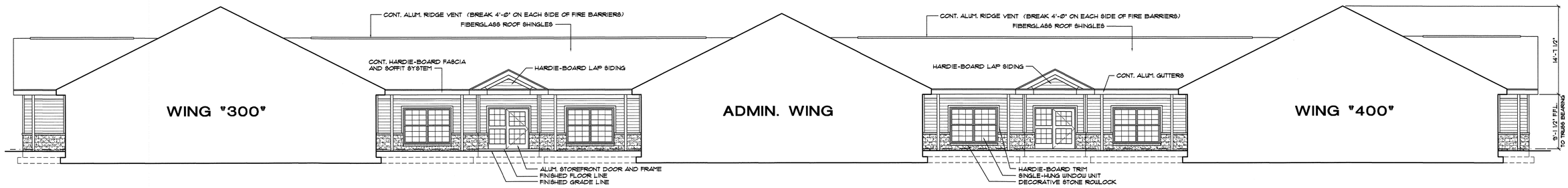
David R. Polston - Architect
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Architecture Planning Design

125 BED FACILITY

A 22



2301 **ELEVATION**
SCALE: 1/8" = 1'-0"

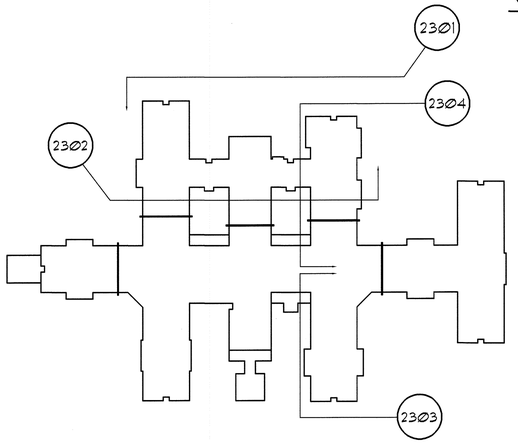


2302 **ELEVATION**
SCALE: 1/8" = 1'-0"

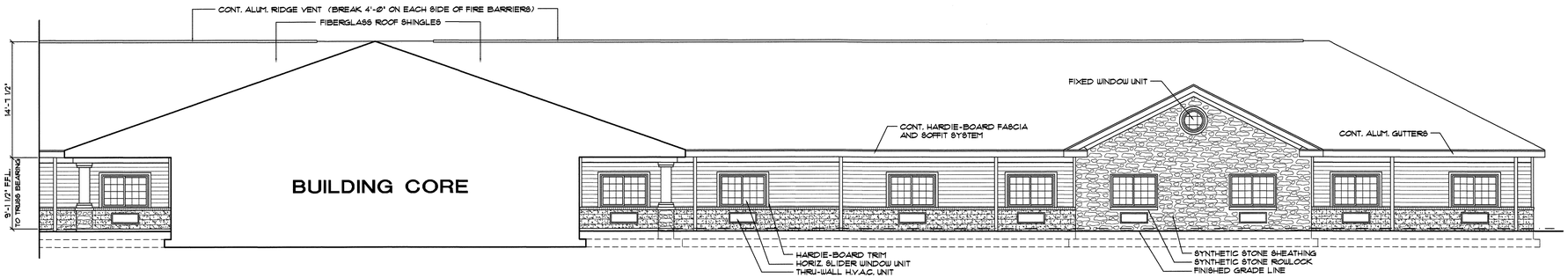
DOWNSPOUT NOTES:

1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.
5. SEE ROOF PLAN (SHEET A-1.1) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.

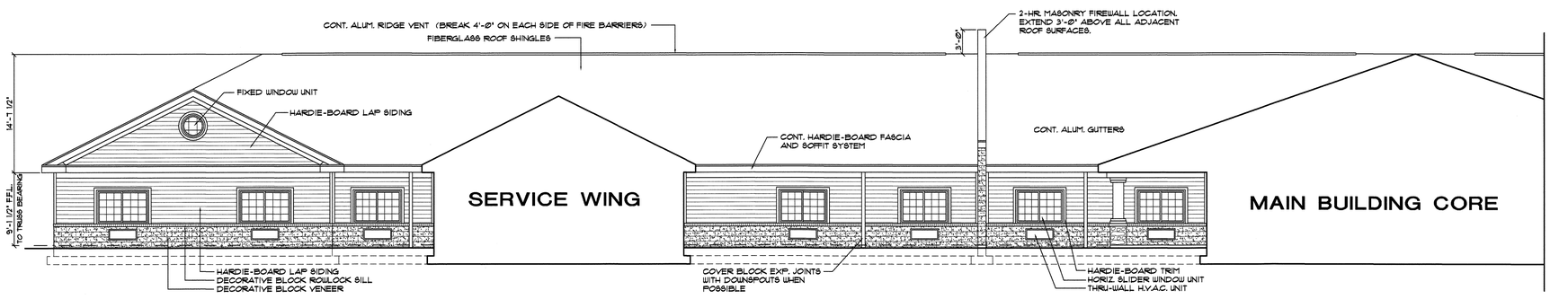
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.



ELEVATION KEY



2303 **ELEVATION**
SCALE: 1/8" = 1'-0"



2304 **ELEVATION**
SCALE: 1/8" = 1'-0"

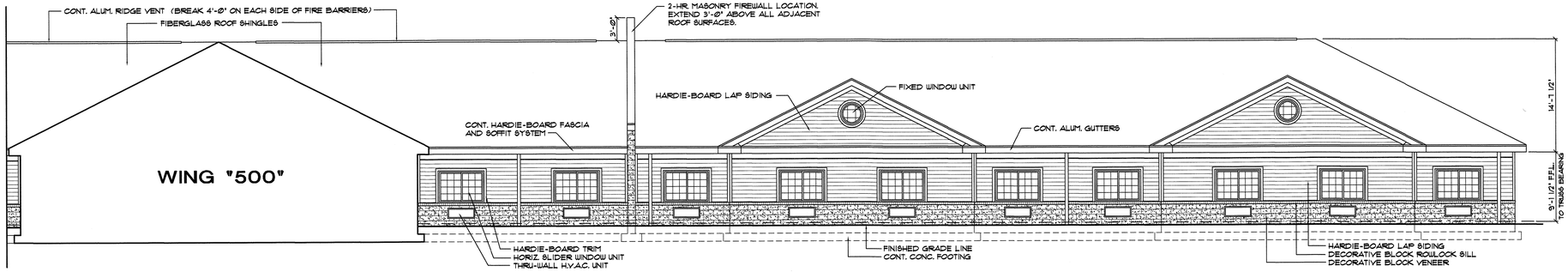
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

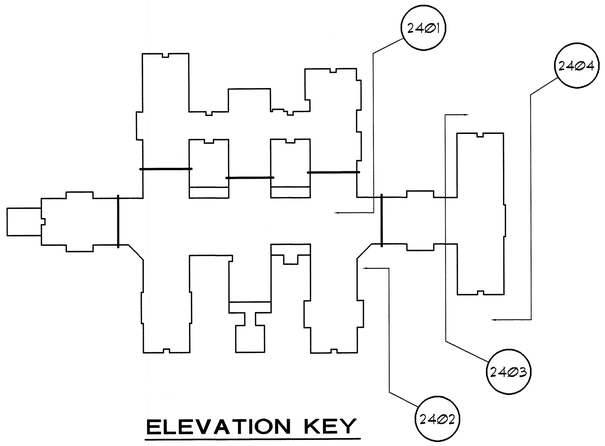
125 BED FACILITY

A 23



2401 ELEVATION

SCALE: 1/8" = 1'-0"

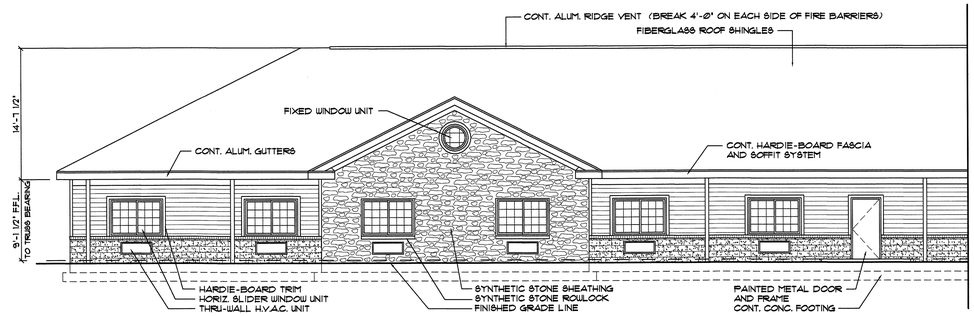


ELEVATION KEY

DOWNSPOUT NOTES:

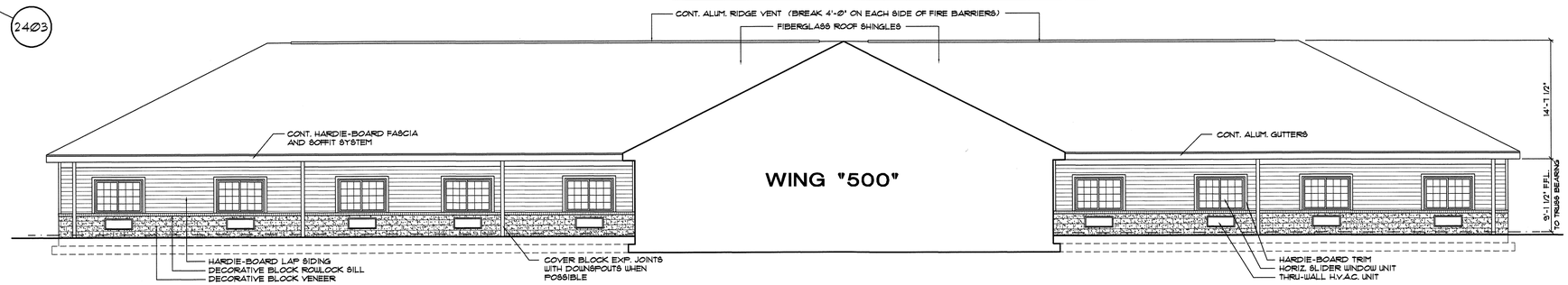
1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.
5. SEE ROOF PLAN (SHEET A-1.1) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.

NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.



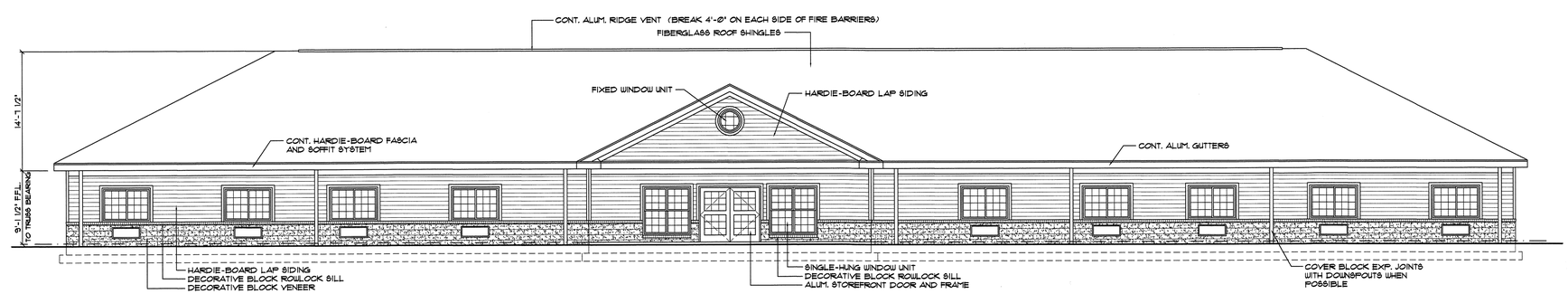
2402 ELEVATION

SCALE: 1/8" = 1'-0"



2403 ELEVATION

SCALE: 1/8" = 1'-0"



2404 ELEVATION

SCALE: 1/8" = 1'-0"

DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.

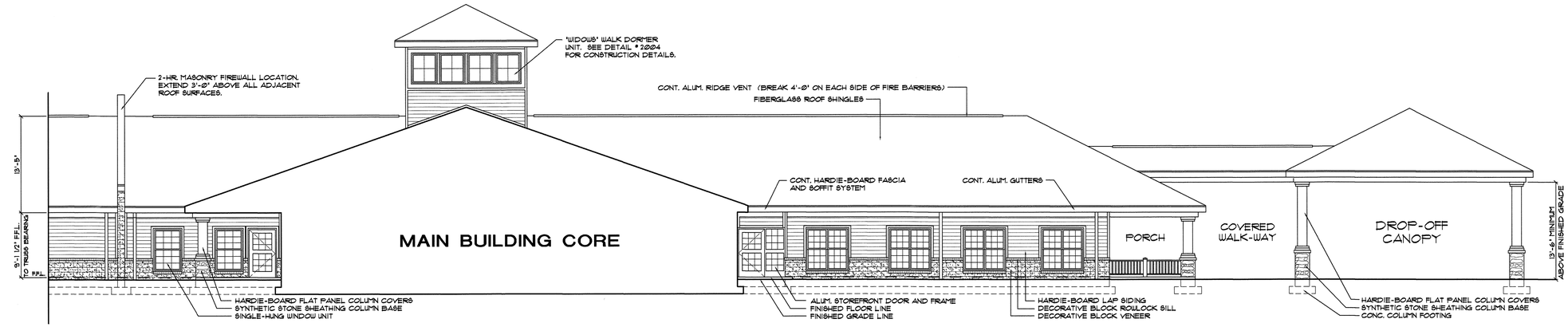
7.1.2015

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

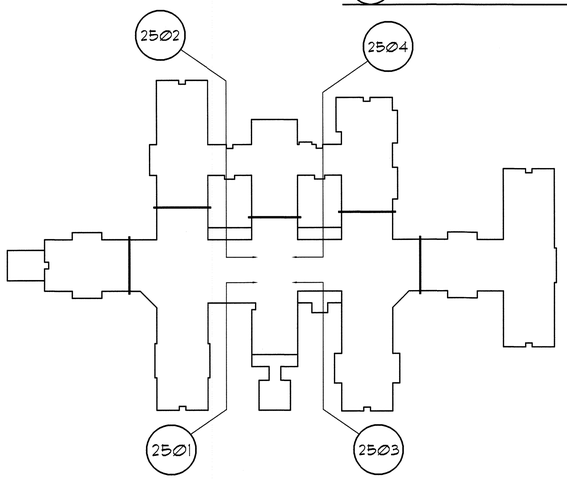
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

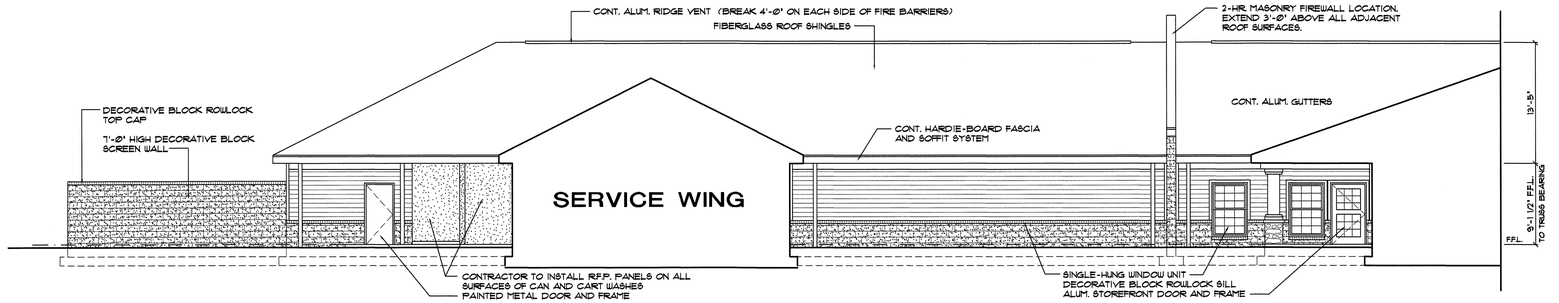
A 24



2501 **ELEVATION**
SCALE: 1/8" = 1'-0"

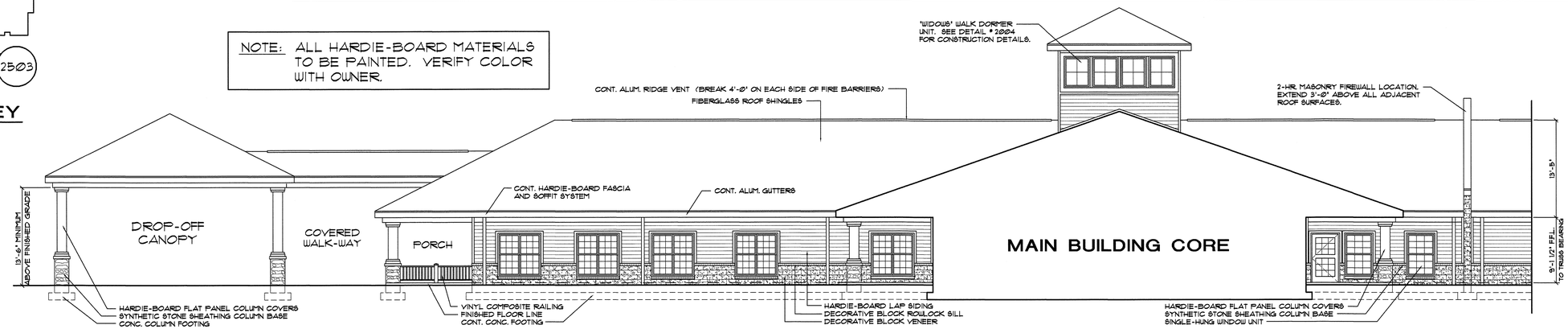


ELEVATION KEY



2502 **ELEVATION**
SCALE: 1/8" = 1'-0"

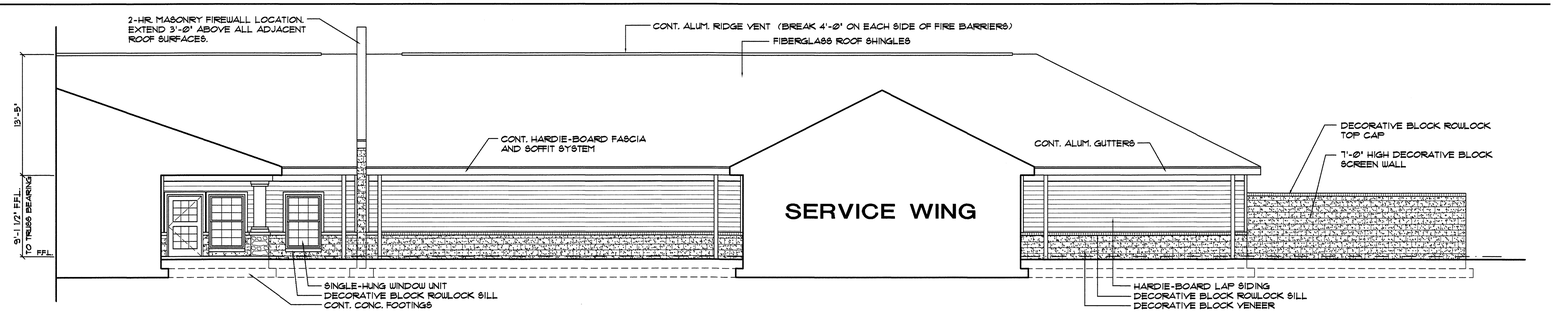
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.



2503 **ELEVATION**
SCALE: 1/8" = 1'-0"

DOWNSPOUT NOTES:

1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.
5. SEE ROOF PLAN (SHEET A-1.1) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.



2504 **ELEVATION**
SCALE: 1/8" = 1'-0"

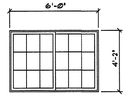
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7.1.2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

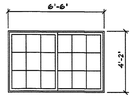
David R. Polston - Architect
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Architecture Planning Design

125 BED FACILITY

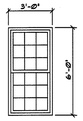
A 25



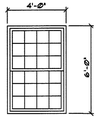
(A) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5045 - 72" X 50"
ALUM. HORIZONTAL SLIDER WINDOW W/
GRILL PATTERN - COLOR TO BE WHITE



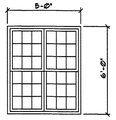
(B) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5045 - 78" X 50"
ALUM. HORIZONTAL SLIDER WINDOW W/
GRILL PATTERN - COLOR TO BE WHITE



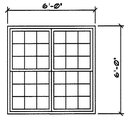
(C) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - 36" X 72"
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



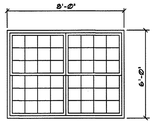
(D) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - 48" X 72"
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



(E) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - (2) 30" X 72"
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



(F) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - (2) 36" X 72"
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



(G) GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - (2) 48" X 72"
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



(H) GERKIN WINDOWS - 5500
FIXED WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE
SEE PLANS FOR INTERIOR
LOCATIONS



(I) GERKIN WINDOWS - 5500
FIXED WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE
LOCATED AT 'WIDOW' WALK
DORMER UNIT



(J) GERKIN - CUSTOM SHAPE
5500 WINDOW UNIT
LOCATED AT GABLE ENDS
AS SHOWN ON ELEVATIONS

NOTES:

ALL WINDOW UNITS TO BE COMPLETE, INCLUDING FLASHING, INSULATING GLASS, OPERABLE HARDWARE, GRILLE PATTERN, AND INSECT SCREENS FOR OPERABLE UNITS.

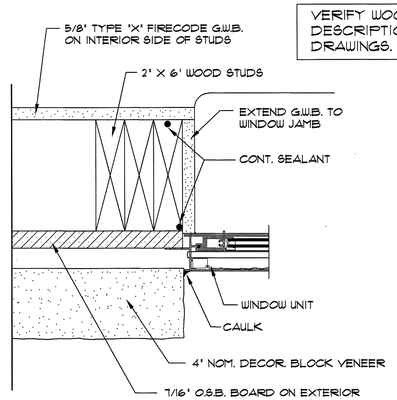
WINDOW UNITS 'C', 'D', 'E', 'F', AND 'G' TO HAVE TEMPERED SAFETY GLAZING

ALL WINDOWS TO BE OPERABLE WITH AN OPEN AREA NOT LESS THAN ONE-HALF THE REQUIRED WINDOW AREA. (U.N.O.)

NOTE: ALL WINDOW GLAZING TO COMPLY WITH CURRENT N.C. ENERGY CODE AND HAVE A U-VALUE OF .38 OR BETTER.

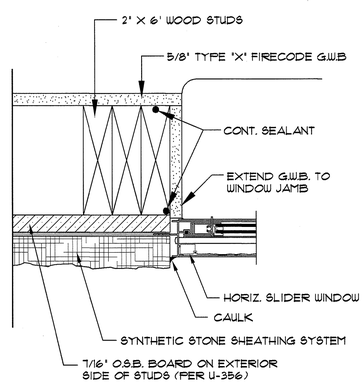
2601 **DETAIL** WINDOW SCHEDULE
SCALE: 3/16" = 1'-0"

VERIFY WOOD STUD DESCRIPTION W/ STRUC. DRAWINGS.



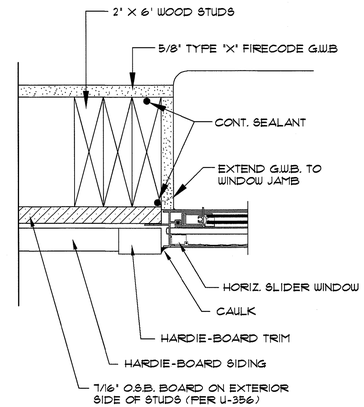
VERIFY FLASHING REQUIREMENTS W/ MANUFATURER'S INSTALLATION INSTRUCTIONS.

2602 **DETAIL** JAMB AT HORIZONTAL SLIDER WINDOW UNIT (AT BLOCK VENEER)
SCALE: N.T.S.



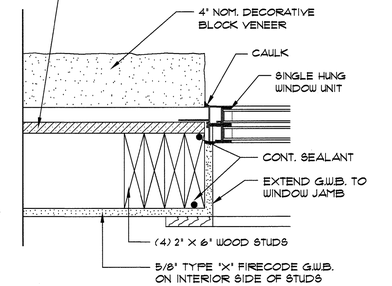
VERIFY FLASHING REQUIREMENTS W/ MANUFATURER'S INSTALLATION INSTRUCTIONS.

2603 **DETAIL** JAMB AT HORIZONTAL SLIDER WINDOW UNIT (AT STONE SHEATHING)
SCALE: N.T.S.



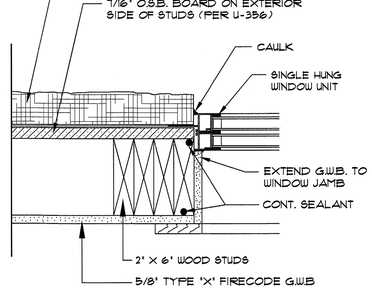
VERIFY FLASHING REQUIREMENTS W/ MANUFATURER'S INSTALLATION INSTRUCTIONS.

2604 **DETAIL** JAMB AT HORIZONTAL SLIDER WINDOW UNIT (AT HARDIE-BOARD)
SCALE: N.T.S.



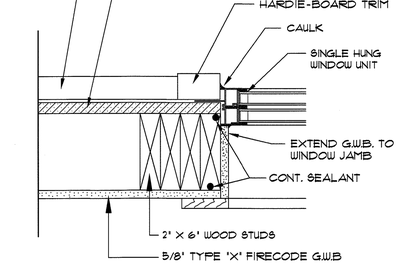
VERIFY FLASHING REQUIREMENTS W/ MANUFATURER'S INSTALLATION INSTRUCTIONS.

2605 **DETAIL** JAMB AT SINGLE-HUNG WINDOW UNIT (AT BLOCK VENEER)
SCALE: N.T.S.



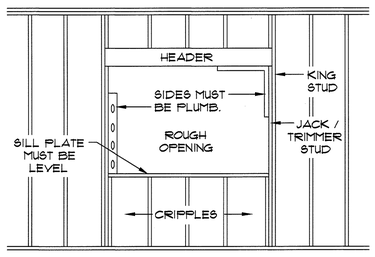
VERIFY FLASHING REQUIREMENTS W/ MANUFATURER'S INSTALLATION INSTRUCTIONS.

2606 **DETAIL** JAMB AT SINGLE-HUNG WINDOW (AT STONE SHEATHING)
SCALE: N.T.S.

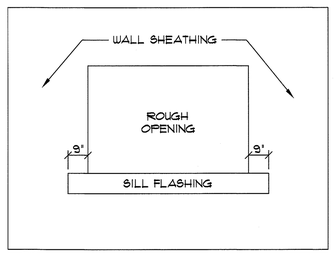


VERIFY FLASHING REQUIREMENTS W/ MANUFATURER'S INSTALLATION INSTRUCTIONS.

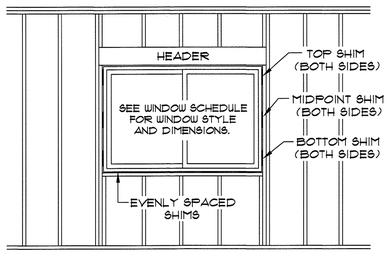
2607 **DETAIL** JAMB AT SINGLE-HUNG WINDOW (AT HARDIE-BOARD)
SCALE: N.T.S.



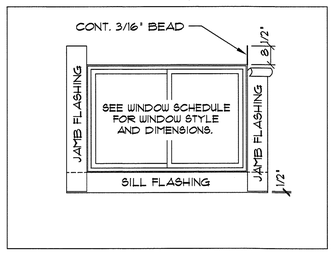
INTERIOR VIEW



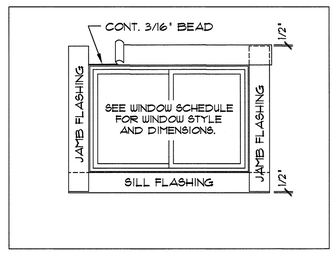
EXTERIOR VIEW



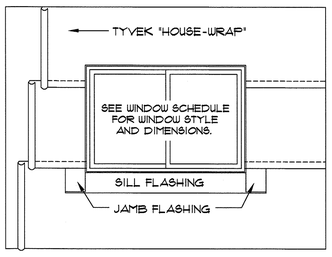
INTERIOR VIEW



EXTERIOR VIEW



EXTERIOR VIEW



EXTERIOR VIEW

2608 **ELEVATION** TYPICAL WINDOW INSTALLATION
SCALE: 3/8" = 1'-0"

NOTE: CONTRACTOR TO VERIFY THE ABOVE WITH WINDOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
CONTRACTOR TO VERIFY WINDOW FRAMING REQUIREMENTS WITH THE STRUCTURAL DRAWINGS.

DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

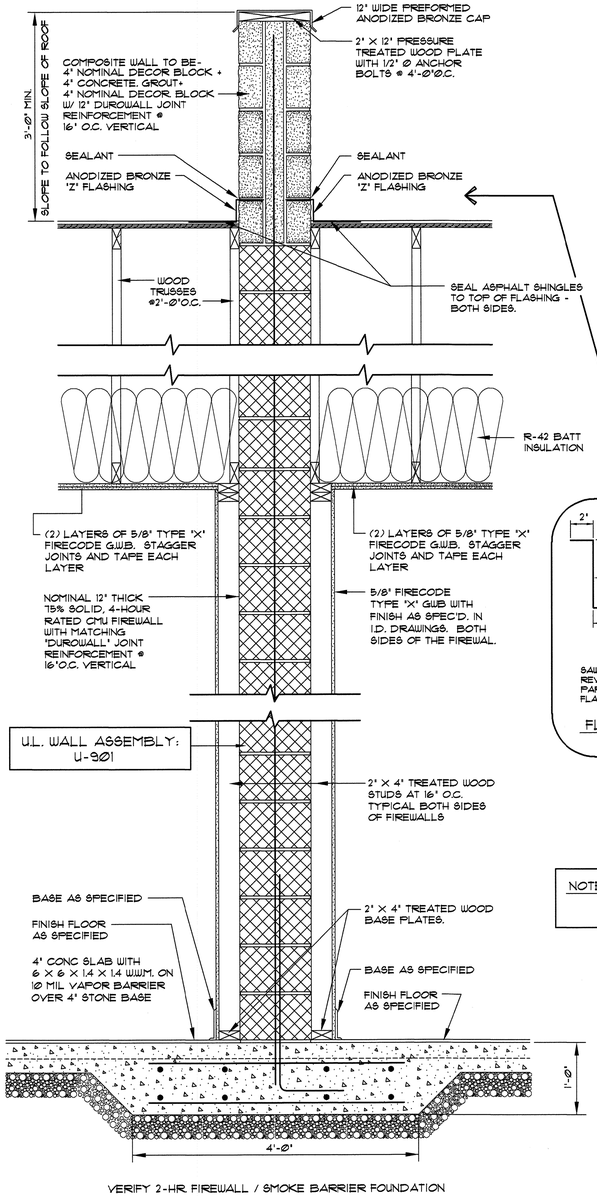
125 BED FACILITY

A 26

GENERAL CONTRACTOR TO PERMENTLY LABEL 2-HOUR RATED FIREWALL / SMOKE BARRIER WALL. LABEL TO READ ' 2-HOUR RATED FIREWALL / SMOKE BARRIER WALL. SEAL ALL PENETRATIONS.'

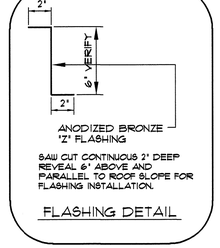
ROOF / CEILING ASSEMBLY: GYPSUM ASSOCIATION RC-2602

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



VERIFY 2-HR FIREWALL / SMOKE BARRIER FOUNDATION AND REINFORCING WITH STRUCTURAL DRAWINGS.

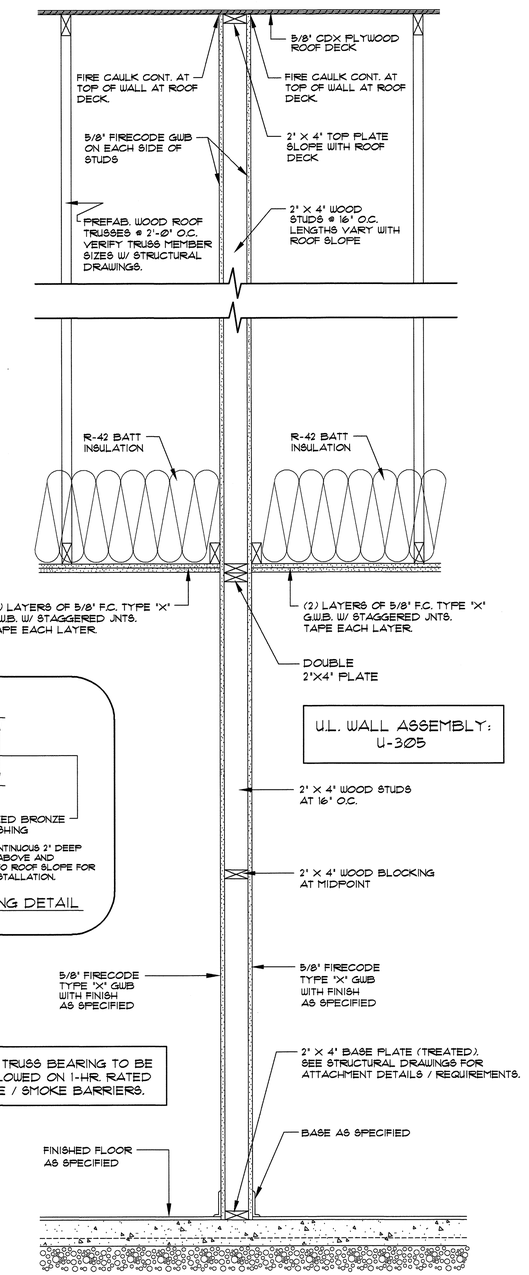
2701 **SECTION** SCALE: 1"=1'-0" — TYPICAL 2-HR. FIREWALL / SMOKE BARRIER INSIDE BUILDING ENVELOPE



GENERAL CONTRACTOR TO PERMENTLY LABEL 1-HOUR RATED FIRE / SMOKE BARRIER WALL. LABEL TO READ ' 1-HOUR RATED FIRE / SMOKE BARRIER WALL. SEAL ALL PENETRATIONS.'

ROOF / CEILING ASSEMBLY: GYPSUM ASSOCIATION RC-2602

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

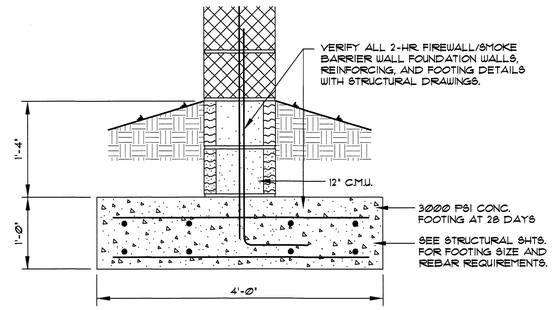


NOTE: NO TRUSS BEARING TO BE ALLOWED ON 1-HR. RATED FIRE / SMOKE BARRIERS.

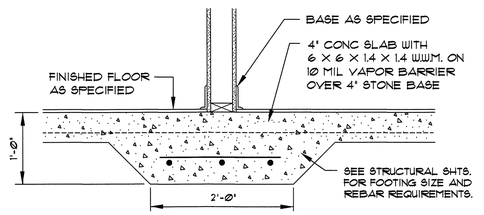
CONTRACTOR MAY SUBSTITUTE A DOUBLE PRE-FAB. GABLE END TRUSS W/ 1/2" PLYWOOD SPACER ABOVE THE FINISHED CEILING. THE WALL THICKNESS MUST BE AT LEAST 3 1/2".

ALL SMOKE BARRIERS TO EXTEND FROM FLOOR SLAB TO ROOF DECK AND EXTERIOR WALL TO EXTERIOR WALL INCLUDING SOFFIT CAVITY AND STUD CAVITY. BREAK SOFFIT AND ROOF RIDGE VENT - 4'-0" ON EACH SIDE OF BARRIERS.

2702 **SECTION** SCALE: 1"=1'-0" — TYPICAL 1-HOUR FIRE/SMOKE BARRIERS



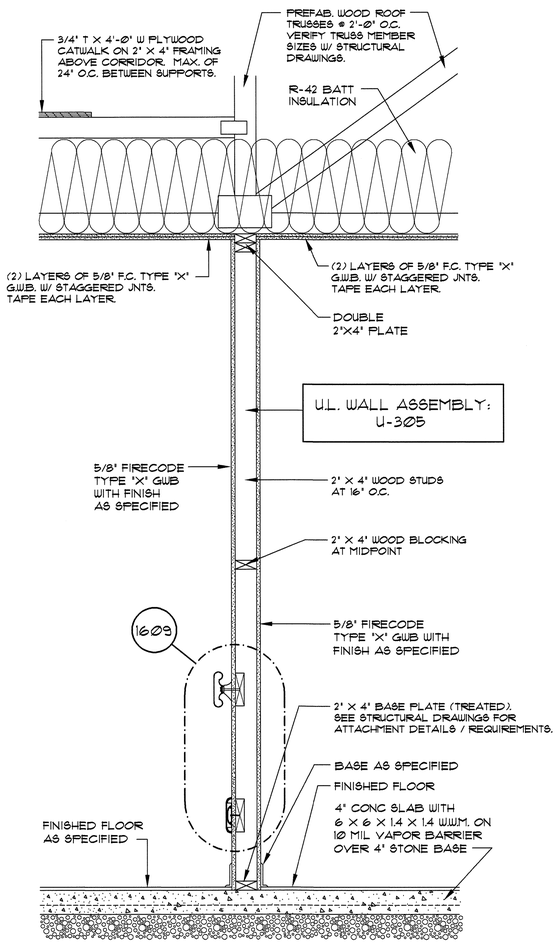
2705 **SECTION** SCALE: 1"=1'-0" — TYP. 2-HR. FIREWALL / SMOKE BARRIER OUTSIDE BUILDING ENVELOPE



NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF CORRIDOR WALLS THAT WILL BE USED AS BEARING WALLS. SEE STRUCTURAL DRAWINGS FOR DETAILS / DESIGN OF THE THICKENED SLABS USED AT THESE LOCATIONS.

2706 **SECTION** SCALE: 1"=1'-0" — TYPICAL INTERIOR BEARING WALL FOOTING

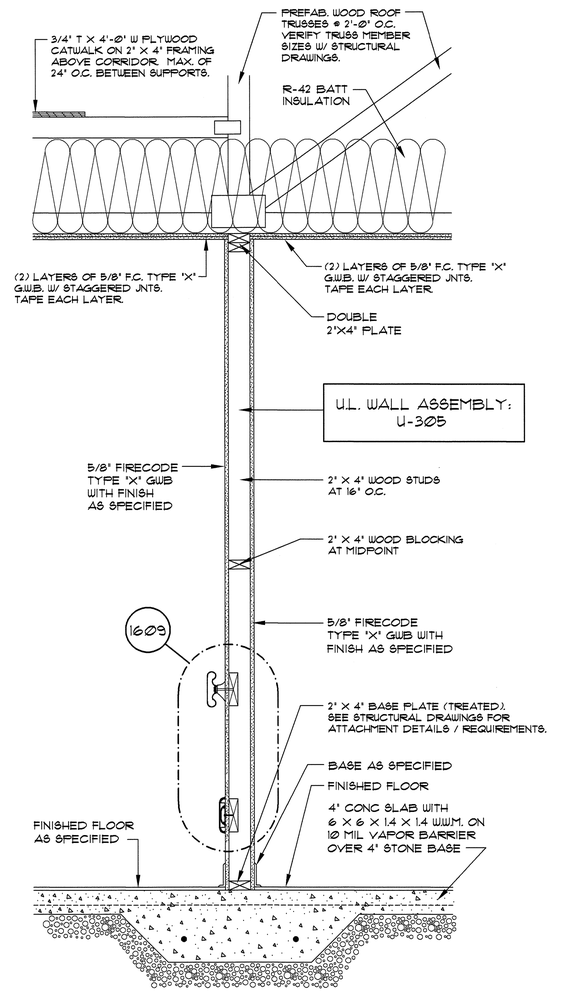
NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



TYPICAL INTERIOR WALLS TO MATCH THIS DETAIL WITHOUT THE CORRIDOR HANDRAIL AND WALL BUMPER GUARD.

2703 **SECTION** SCALE: 1"=1'-0" — TYP. CORRIDOR WALL

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



NOTE: SEE STRUCTURAL DRAWINGS FOR COMPLETE DETAILS AND DIMENSIONS FOR THICKENED SLAB FOOTING SHOWN ABOVE.

SEE STRUCTURAL SHEETS FOR LOCATIONS OF THESE WALLS

2704 **SECTION** SCALE: 1"=1'-0" — CORRIDOR WALL (CORRIDOR BEARING LOCATIONS)

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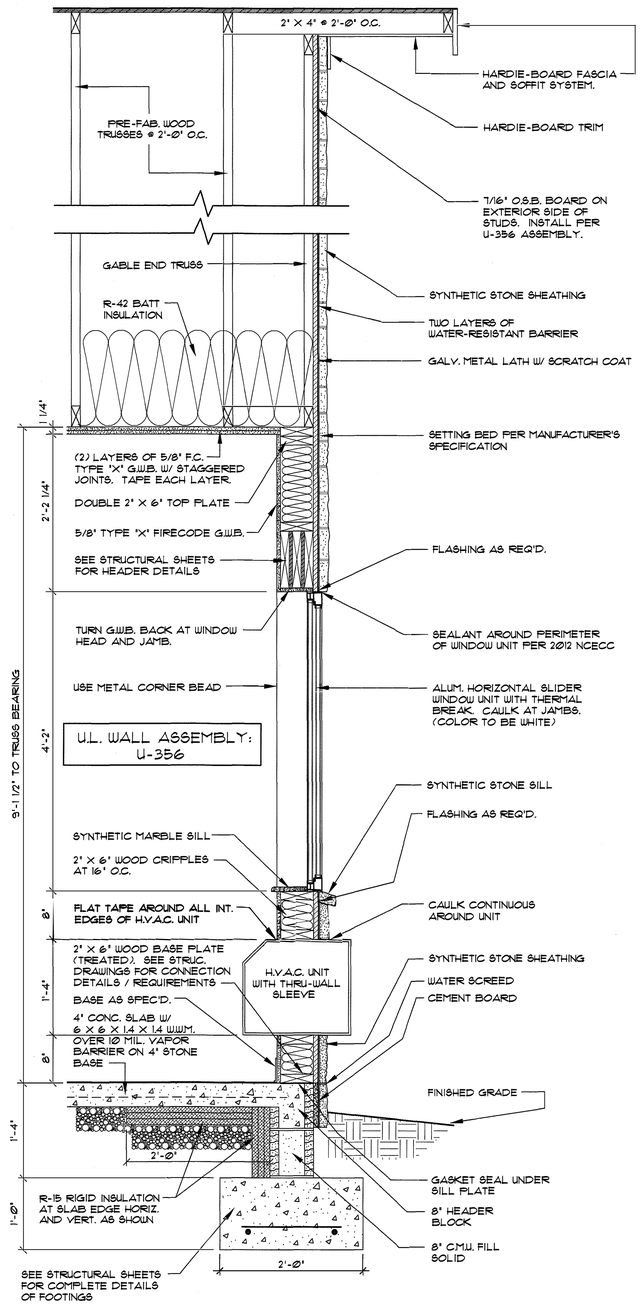
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ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602

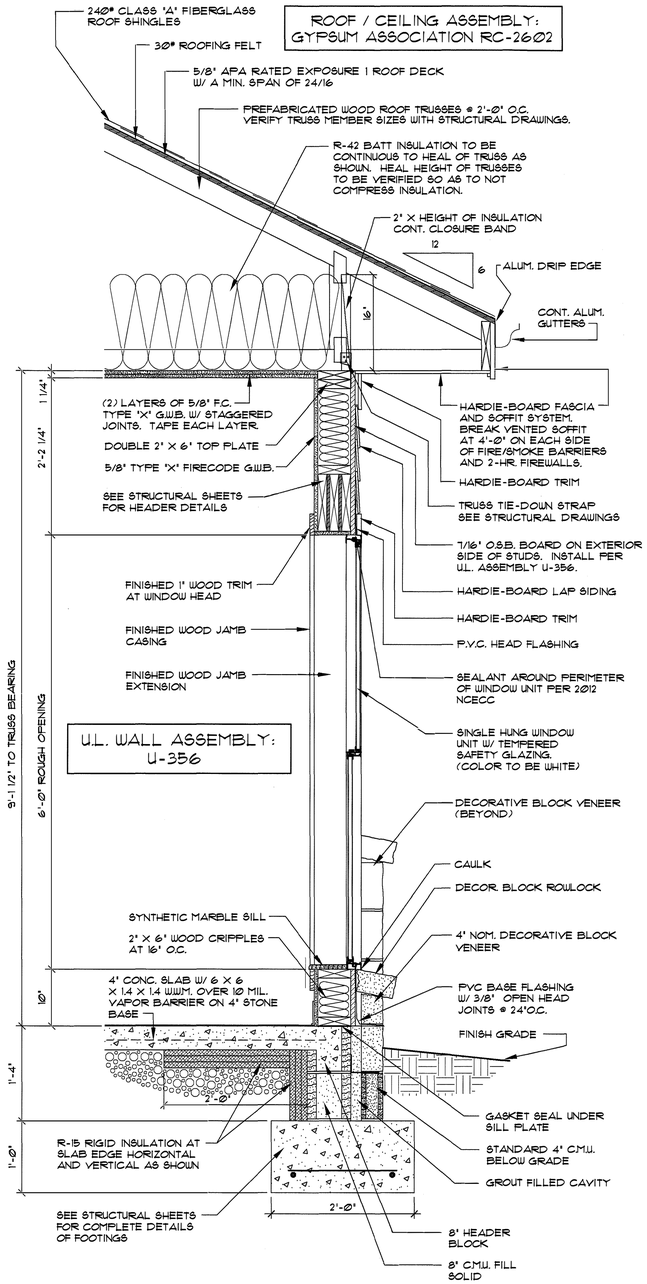
NOTE:
SEE SECTION # 2904 FOR ROOF, CEILING, FACIA AND SOFFIT TYPICAL CONSTRUCTION NOTES AND DIMENSIONS

NOTE: CONTRACTOR TO OBTAIN DETAILED INSTALLATION INSTRUCTIONS FOR SYNTHETIC STONE SHEATHING SYSTEM PRIOR TO CONSTRUCTION. SYSTEM INSTALLED STRICTLY PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WITH ALL REQUIRED SYSTEM MATERIALS.



2801 **SECTION** TYPICAL SECTION OF HORIZ. SLIDER WINDOW UNIT AT GABLE ENDS WITH FULL WALL HEIGHT SYNTHETIC STONE
SCALE: 1"=1'-0"

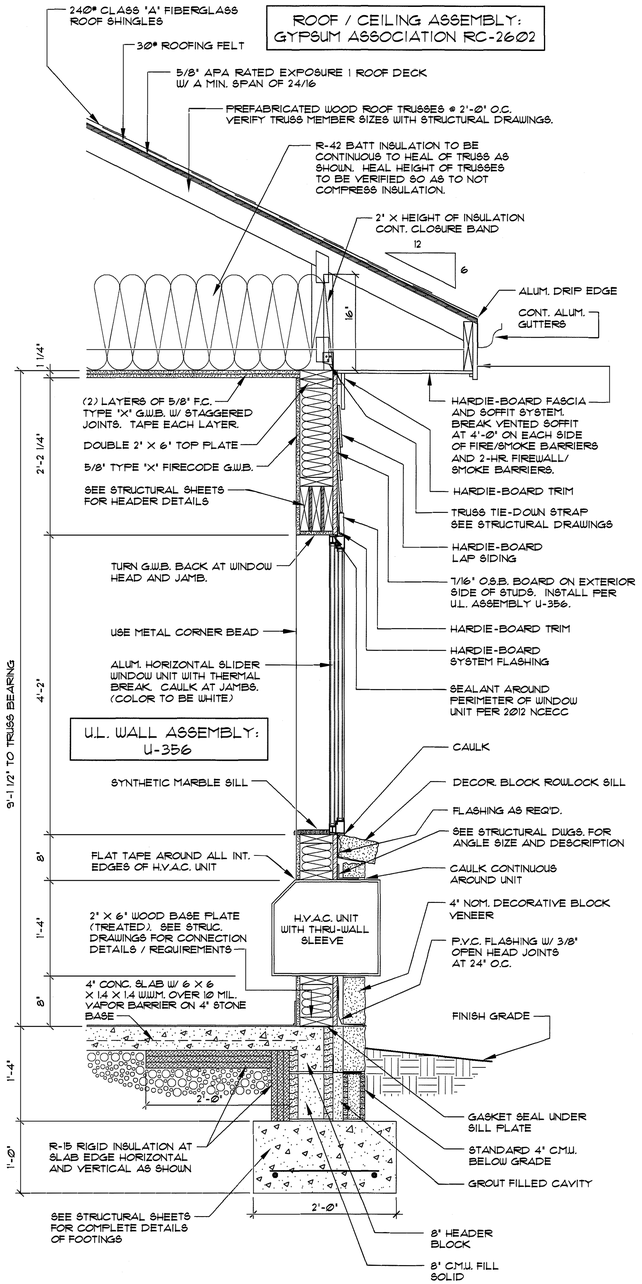
ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602



2802 **SECTION** TYPICAL SECTION AT SINGLE-HUNG WINDOW UNITS AT DECORATIVE BLOCK VENEER / LAP SIDING
SCALE: 1" = 1'-0"

NOTE: VERIFY ALL STEEL BEAMS, HEADERS, AND COLUMN SIZES WITH THE STRUCTURAL SHEETS PRIOR TO CONSTRUCTION.

ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602



2803 **SECTION** TYPICAL HORIZONTAL SIDER WINDOW UNIT DECORATIVE BLOCK VENEER / LAP SIDING
SCALE: 1"=1'-0"

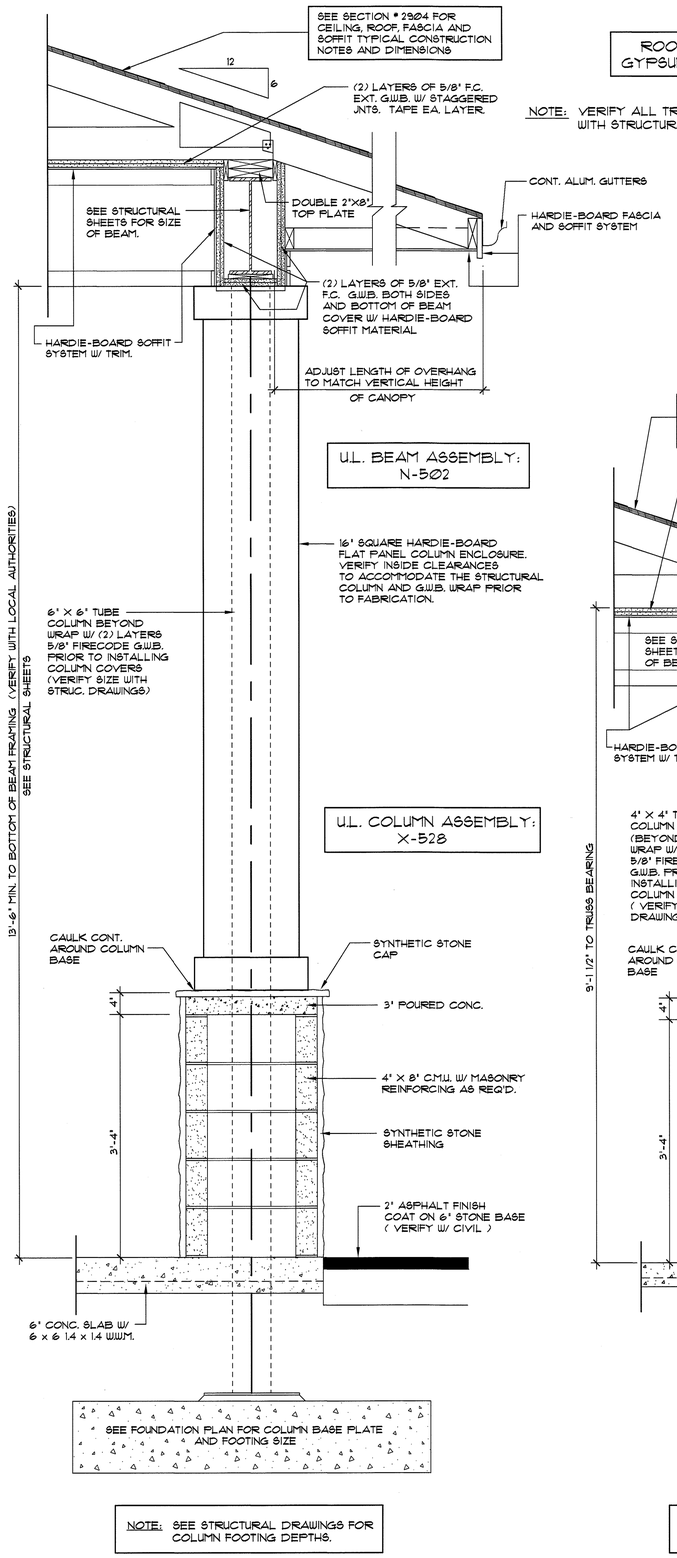
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REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
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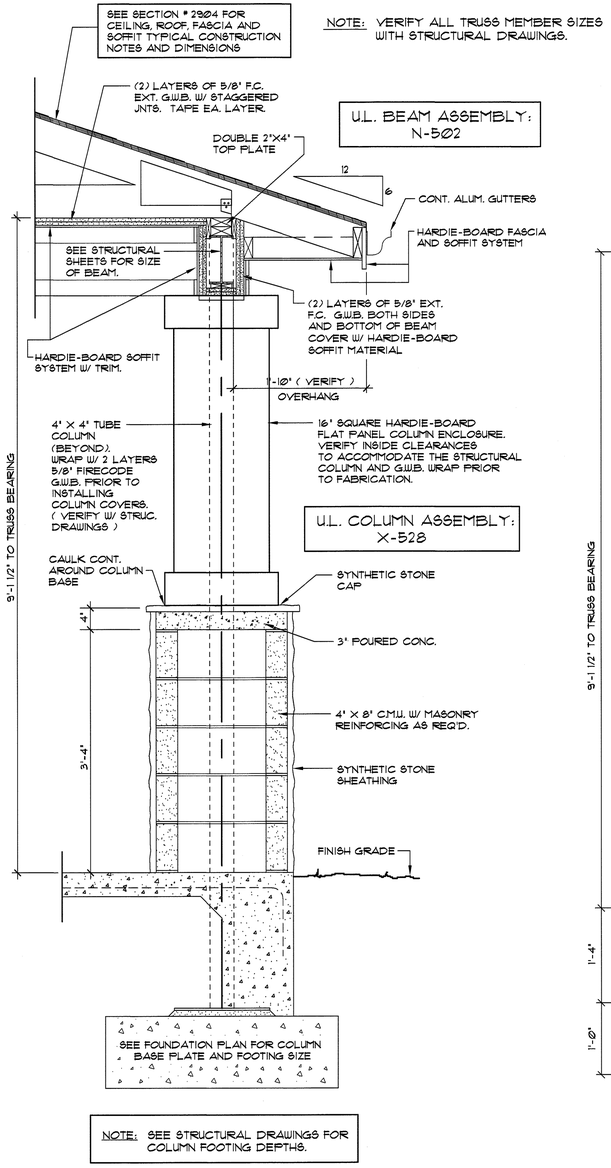
NOTE: SEE STRUCTURAL DRAWINGS FOR COLUMN FOOTING DEPTHS.

2901 **SECTION** SCALE: 1" = 1'-0"

BEAM & COLUMN AT CANOPIES # 96 AND # 97

ROOF / CEILING ASSEMBLY: GYPSUM ASSOCIATION RC-2602

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



NOTE: SEE STRUCTURAL DRAWINGS FOR COLUMN FOOTING DEPTHS.

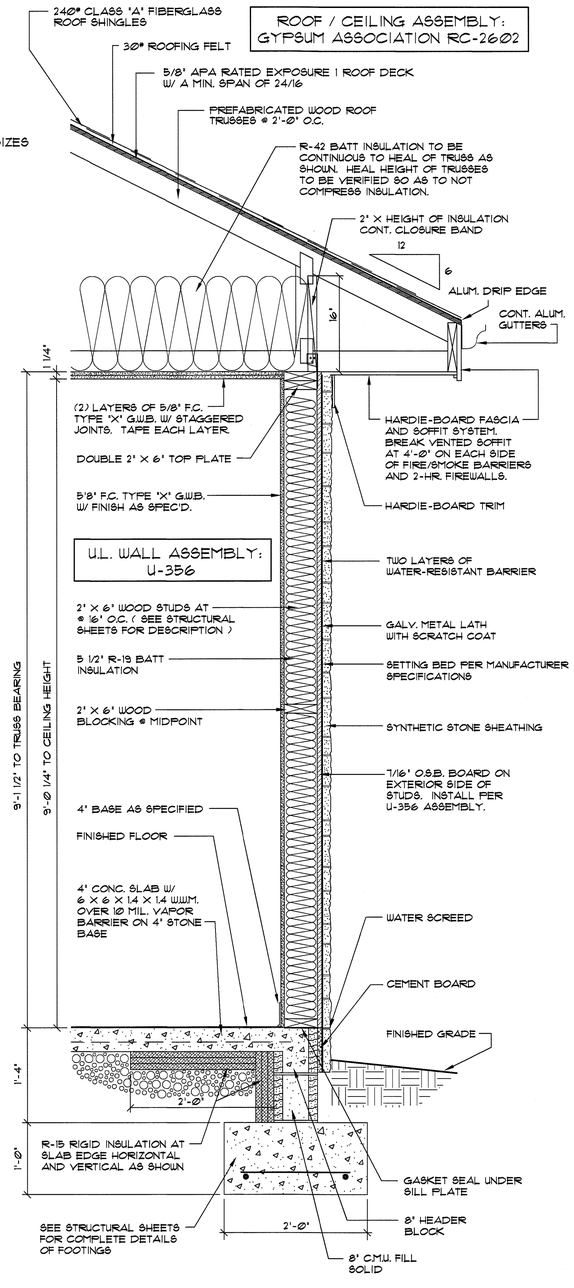
2902 **SECTION** SCALE: 1" = 1'-0"

BEAM AND COLUMN AT PORCHES # 91, # 92, # 93, AND # 94

NOTE: CONTRACTOR TO OBTAIN DETAILED INSTALLATION INSTRUCTIONS FOR SYNTHETIC STONE SHEATHING SYSTEM PRIOR TO CONSTRUCTION. SYSTEM INSTALLED STRICTLY PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WITH ALL REQUIRED SYSTEM MATERIALS.

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

ROOF / CEILING ASSEMBLY: GYPSUM ASSOCIATION RC-2602

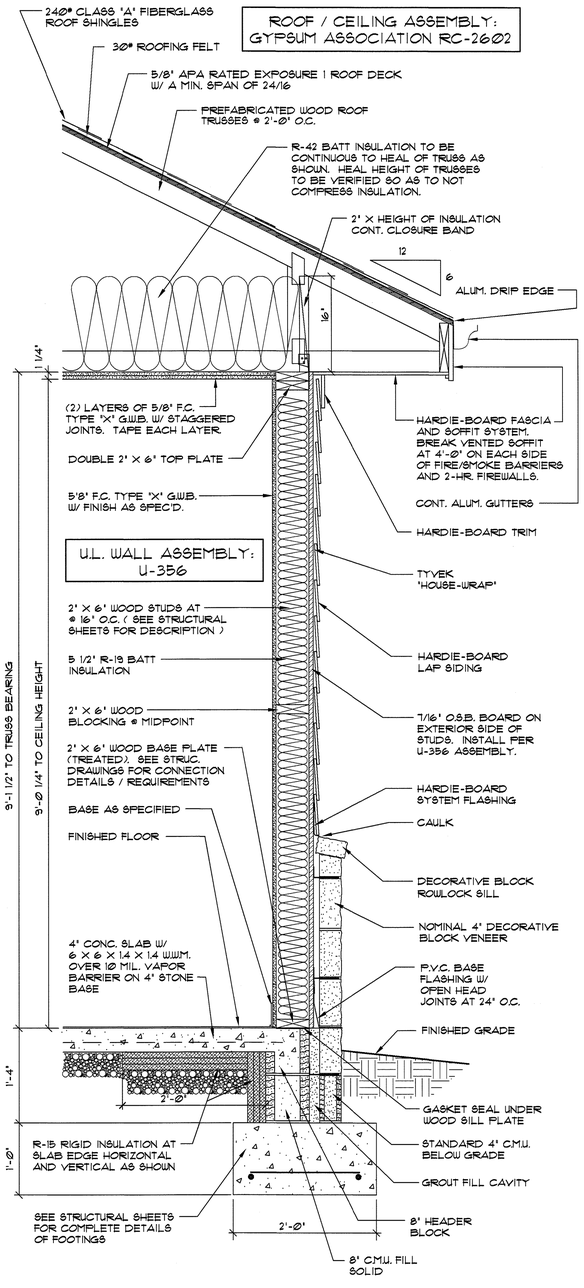


2903 **SECTION** SCALE: 1"=1'-0"

WALL SECTION AT FULL HEIGHT SYNTHETIC STONE SHEATHING

NOTE: VERIFY ALL STEEL BEAMS, HEADERS, AND COLUMN SIZES WITH THE STRUCTURAL SHEETS PRIOR TO CONSTRUCTION.

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



2904 **SECTION** SCALE: 1"=1'-0"

TYP. EXTERIOR WALL SECTION AT DECORATIVE BLOCK VENEER / HARDIE-BOARD SIDING

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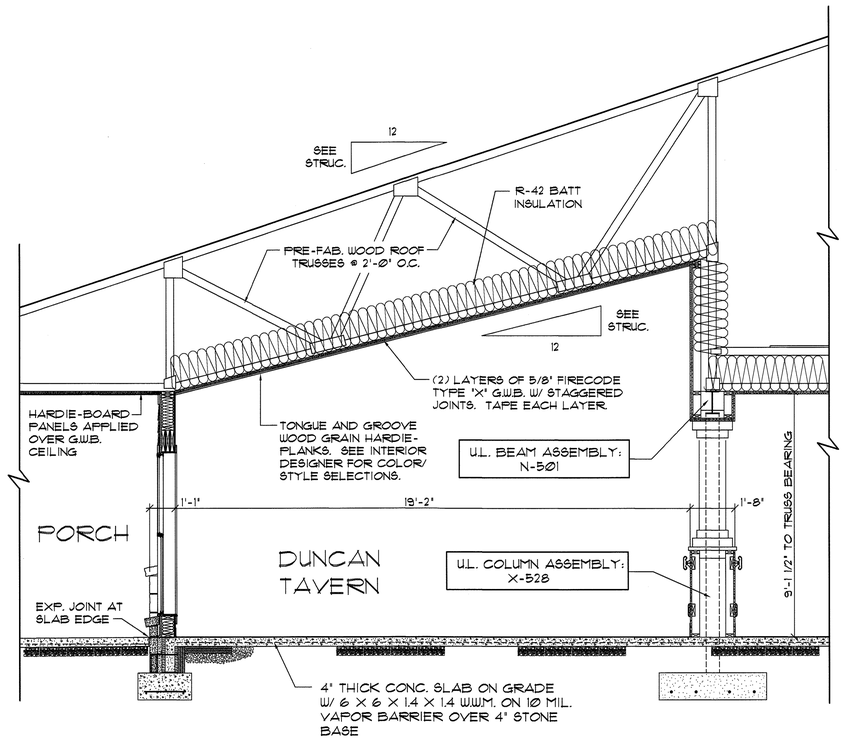
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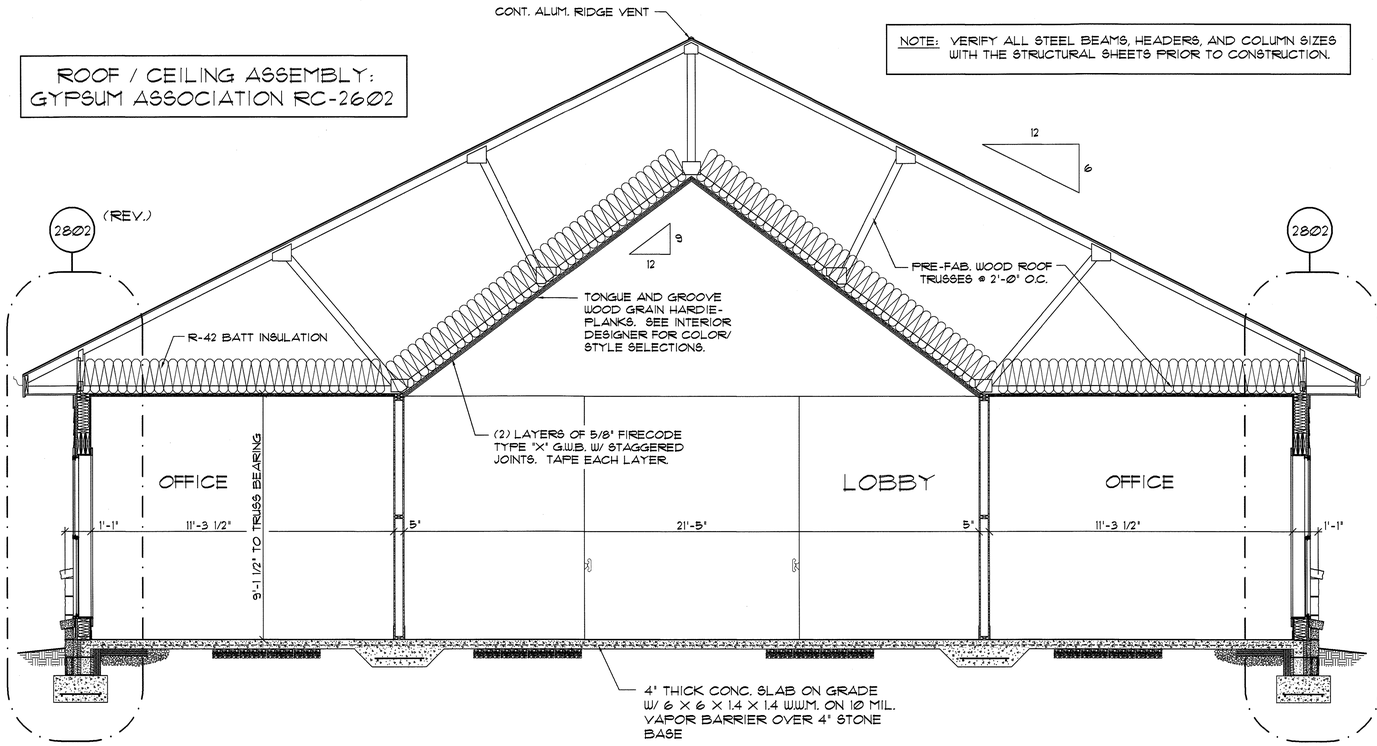


3001 **SECTION** SCALE: 3/8"=1'-0"

CROSS-SECTION AT DUNCAN TAVERN # 37

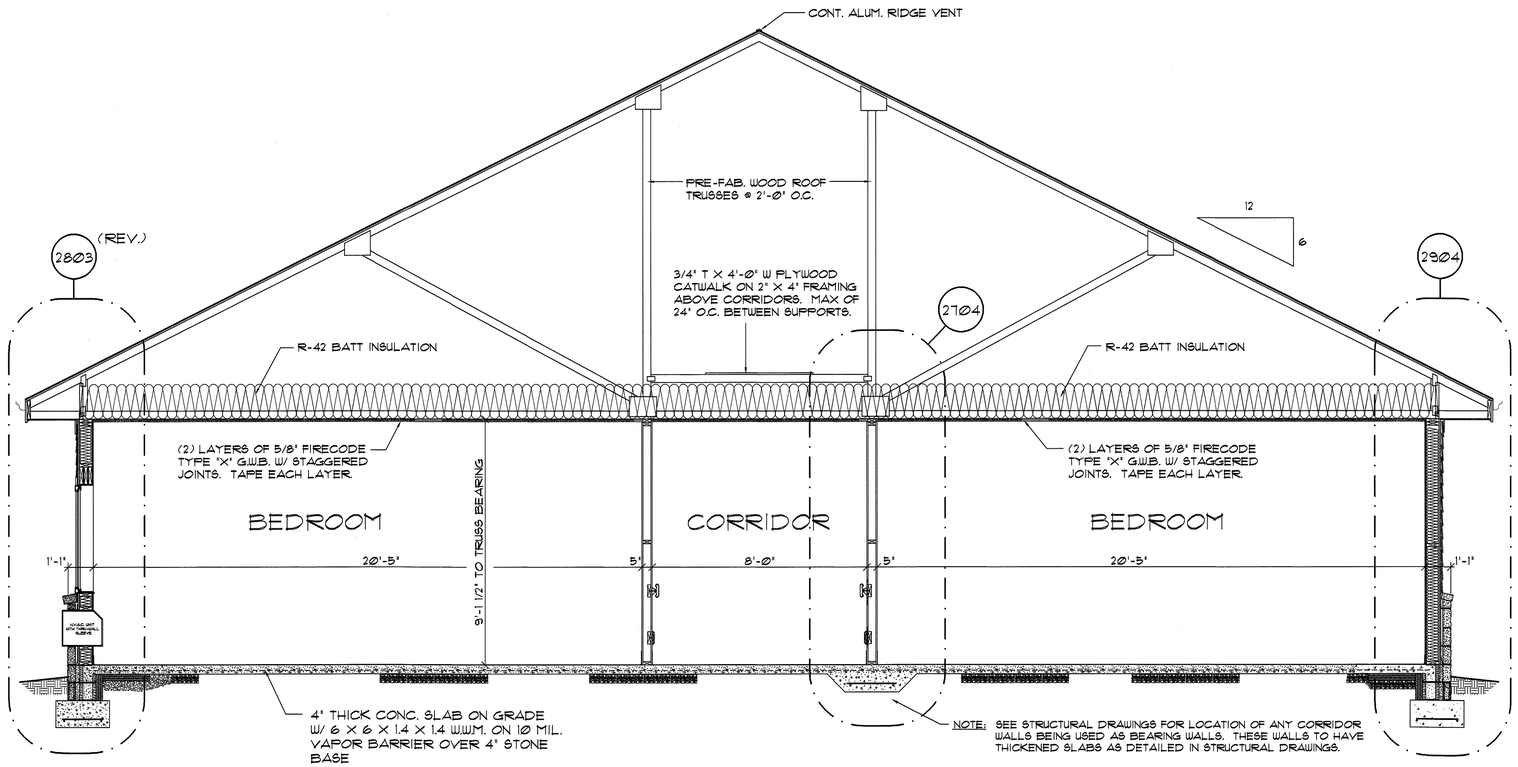
ROOF / CEILING ASSEMBLY: GYPSUM ASSOCIATION RC-2602

NOTE: VERIFY ALL STEEL BEAMS, HEADERS, AND COLUMN SIZES WITH THE STRUCTURAL SHEETS PRIOR TO CONSTRUCTION.



3002 **SECTION** SCALE: 3/8"=1'-0"

CROSS-SECTION AT LOBBY # 1A



3003 **SECTION** SCALE: 3/8"=1'-0"

CROSS-SECTION AT TYPICAL BEDROOM WING

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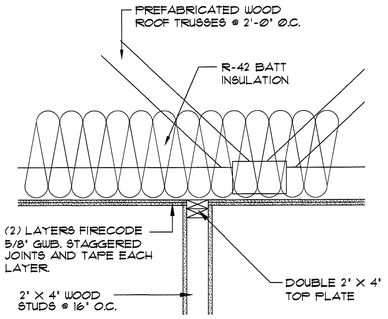
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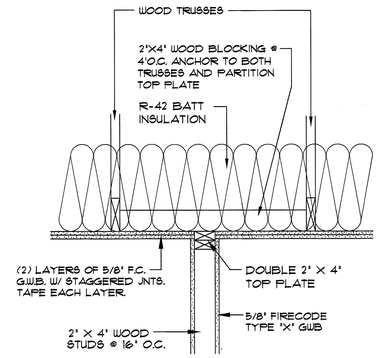
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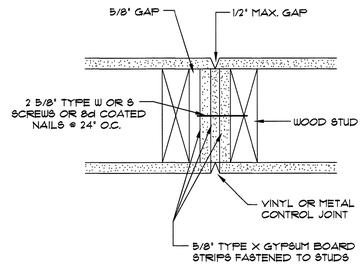
A 30



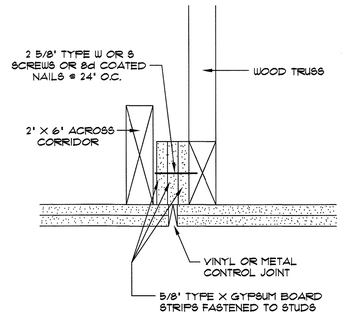
3101 **DETAIL** SCALE: N.T.S. — TYP. INTERIOR PARTITION PERP. TO ROOF TRUSSES



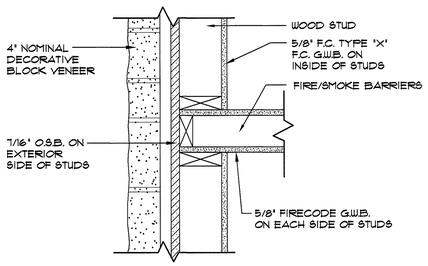
3102 **DETAIL** SCALE: N.T.S. — TYP. INTERIOR PARTITION PARALLEL TO ROOF TRUSSES



3103 **DETAIL** SCALE: N.T.S. — TYPICAL WALL CONTROL JOINT (1-HR. WALL)



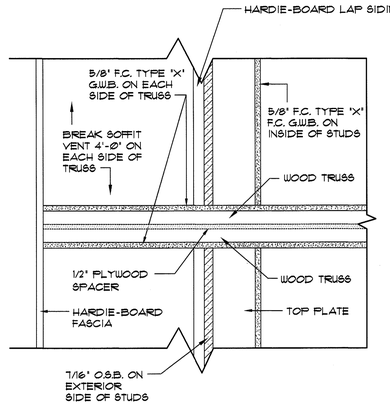
3104 **DETAIL** SCALE: N.T.S. — TYPICAL CEILING CONTROL JOINT (1-HR. RATED)



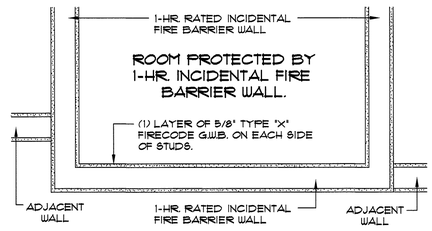
ALL FIRE/SMOKE BARRIERS TO EXTEND FROM FLOOR SLAB TO ROOF DECK AND EXTERIOR WALL TO EXTERIOR WALL INCLUDING SOFFIT CAVITY AND STUD CAVITY. BREAK SOFFIT AND ROOF RIDGE VENTS 4'-0" ON EACH SIDE.

CONTRACTOR MAY SUBSTITUTE A DOUBLE FIRE-RAB GABLE END TRUSS W/ ½" PLYWOOD SPACER ABOVE THE FINISHED CEILING. THICKNESS MUST BE AT LEAST 3 ½". (SEE DETAIL # 3106)

3105 **DETAIL** SCALE: 1½" = 1'-0" — FIRE/SMOKE BARRIER AT EXTERIOR WALL

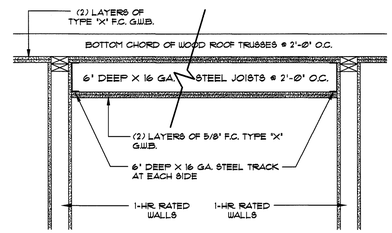


3106 **DETAIL** SCALE: 1½" = 1'-0" — FIRE/SMOKE BARRIER AT SOFFIT



SEE FLOOR PLANS FOR LOCATIONS OF THE ROOMS REQUIRING THIS TYPE OF PROTECTION.

3107 **FLOORPLAN** SCALE: 1"=1'-0" — TYPICAL CONSTRUCTION OF ROOM PROTECTED BY 1-HR. RATED INCIDENTAL FIRE BARRIER WALLS

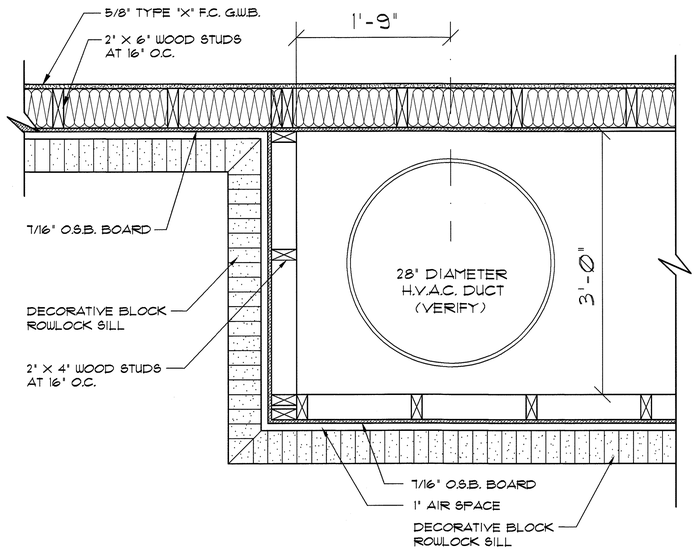


FACTORY MUTUAL TEST FC 205-1
GYPSUM ASSOCIATION FC-4503

ROOMS LISTED BELOW ARE TO RECEIVE 1-HR. HORIZ. SEPERATION. (REQUIRED BY TABLE 508.2.5 NCSBC)		
STORAGE # 19	CENTRAL SUPPLY # 44	STORAGE # 78
CLN. UTIL. / CLN. LIN. # 20	LAUNDRY # 46	SOIL UTIL. / SOIL LIN. # 79
STORAGE # 22	HSE-KEEPING # 50	CLN. UTIL. / CLN. LIN. # 80
STORAGE # 24	MAINT. OFFICE # 53	STORAGE # 81
SOIL UTIL. / SOIL LIN. # 33	STORAGE # 56	WHL.-CHAIR STOR. # 83
STORAGE # 38B	STORAGE # 62	
DRY STORAGE # 39D	SOIL UTIL. / SOIL LIN. # 66A	
STORAGE # 40	CLN. UTIL. / CLN. LIN. # 70	
STORAGE # 41	STORAGE # 74	

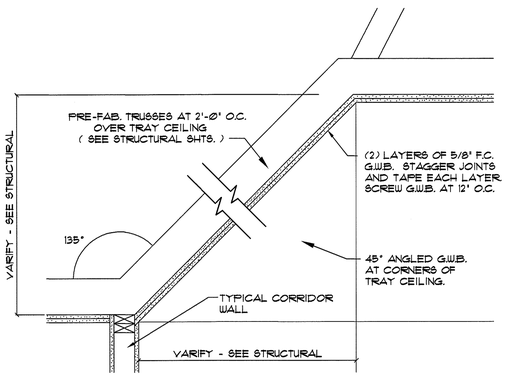
3108 **DETAIL** SCALE: N.T.S. — ONE HOUR HORIZONTAL SEPARATION

NOTE: CONTRACTOR TO VERIFY ALL DUCT SIZES AND CLEARANCE REQUIREMENTS PRIOR TO INSTALLATION AND FRAMING OF DUCT ENCLOSURE.

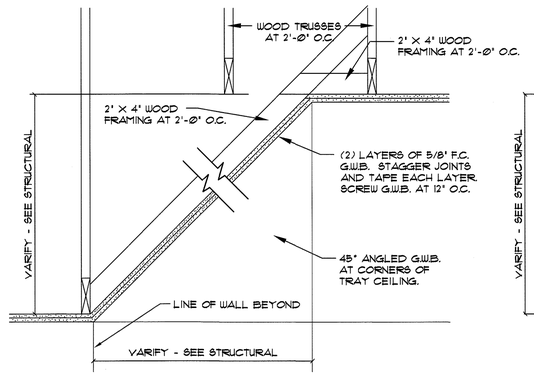


3109 **SECTION** SCALE: N.T.S. — FRAMING AT DUCT FROM EXTERIOR DOAS UNIT

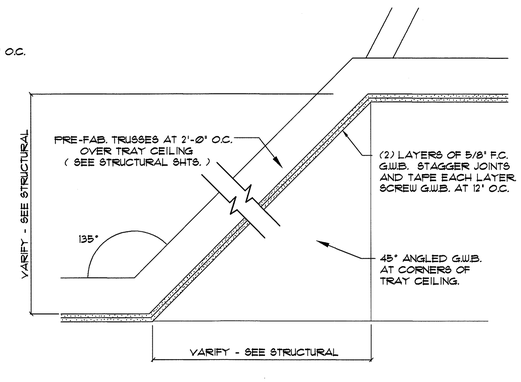
NOTE: CONTRACTOR MAY SUBSTITUTE LIGHT GAUGE METAL FRAMING FOR SLOPED TRAY CEILING FRAMING IF COORDINATED WITH TRUSS MANUFACTURER.



SECTION PARALLEL TO TRUSSES AT CORRIDOR



TYPICAL SECTION PERPENDICULAR TO TRUSSES



SECTION PARALLEL TO TRUSSES AT DINING AREA # 28, PHYSICAL THERAPY # 38, AND DINING AREA # 76

3110 **DETAIL** SCALE: N.T.S. — CROSS-SECTIONS THRU TYPICAL TRAY CEILINGS

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RANGE HOOD FIRE SUPPRESSION SYSTEM SPECIFICATIONS:

THE FIRE SUPPRESSION SYSTEM SHALL BE AN ANSUL MODEL R-102 SYSTEM. A READILY ACCESSIBLE MEANS TO MANUALLY ACTUATE THE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED IN A PATH OF EGRESS AND SHALL BE CLEARLY IDENTIFIED. THE OPERATION OF THE ANSUL SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL AND HEAT TO ALL EQUIPMENT PROTECTED BY THE EXTINGUISHING SYSTEM AND ACTIVATE THE FIRE ALARM SYSTEM.

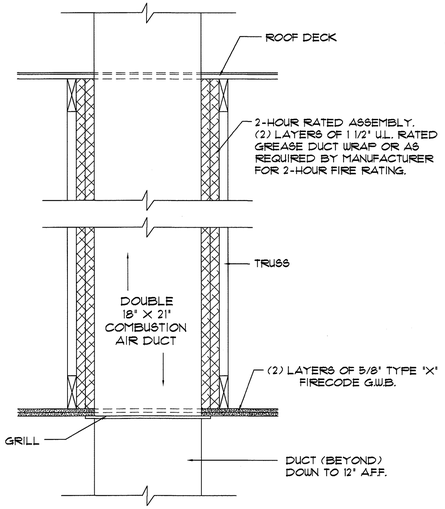
DUCT WRAP PROTECTION PRODUCTS

KITCHEN HOOD EXHAUST DUCT

3M FIRE BARRIER DUCT WRAP 615+
2-HOUR DOUBLE LAYER GREASE DUCT PROTECTION SYSTEM TESTED PER ASTM E2336 AND UL. CERTIFIED (CERTIFICATION NO. 20090910-R9T00)

KITCHEN DISHWASHER HOOD EXHAUST AND LAUNDRY MAKE-UP AIR FOR DRYERS

3M FIRE BARRIER DUCT WRAP 15A 2-HOUR, DOUBLE LAYER AIR VENTILATION DUCT PROTECTION SYSTEM. UL. 1978, ACI01 CERTIFIED



3203 **SECTION** DRYER MAKE-UP AIR DUCT FIRE PROTECTION
SCALE: 1"=1'-0"

25'-0" MINIMUM HORIZONTAL SEPERATION FROM MAKE-UP AIR INTAKE (ALSO FROM VENT STACKS)

EXHAUST FAN BY KITCHEN EQUIPMENT MANUFACTURER. SEE MECHANICAL DRAWINGS FOR SIZE.

KITCHEN EQUIPMENT CONTRACTOR TO FURNISH HOOD, MAKE-UP FAN, EXHAUST FAN.

MECH. CONTRACTOR TO PROVIDE STEEL DUCTWORK AND INSTALL ALL ABOVE.

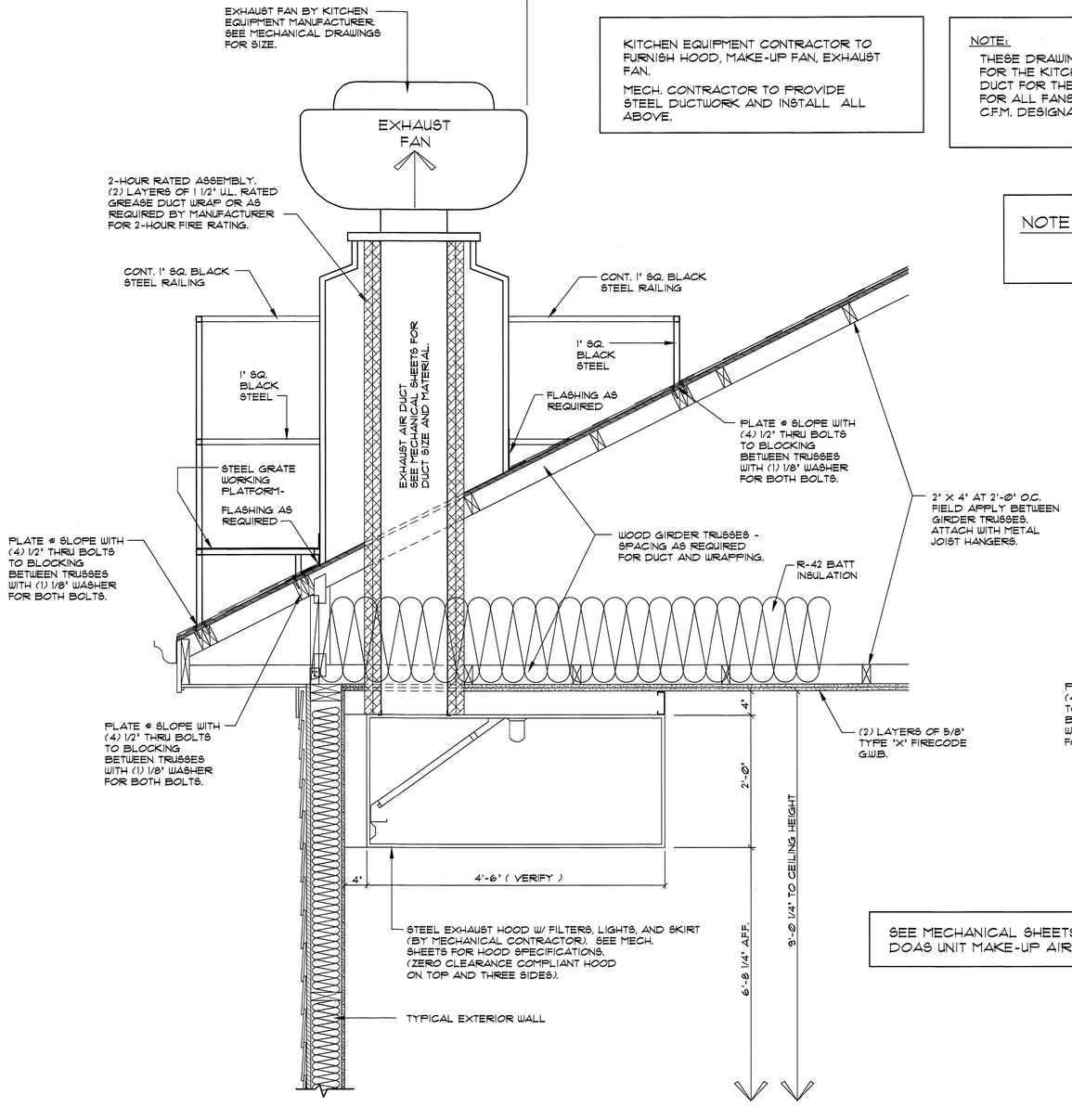
NOTE:
THESE DRAWINGS ARE TO INDICATE THE TYPE AND SIZE OF DUCT PROTECTION FOR THE KITCHEN HOOD EXHAUST (GREASE) DUCT AND THE EXHAUST (CONDENSATE) DUCT FOR THE DISHWASHER HOOD. SEE THE MECHANICAL SHEETS AND SPECIFICATIONS FOR ALL FANS (EXHAUST & MAKE-UP), DUCT DESCRIPTIONS (SIZE AND MATERIAL), DAMPERS, C.F.M. DESIGNATIONS, AND COORDINATION WITH THE FIRE ALARM AND ELECTRICAL SYSTEMS.

NOTE: SEE STRUCTURAL DRAWINGS FOR DETAILS OF ROOFTOP WORK PLATFORMS AT KITCHEN HOODS.

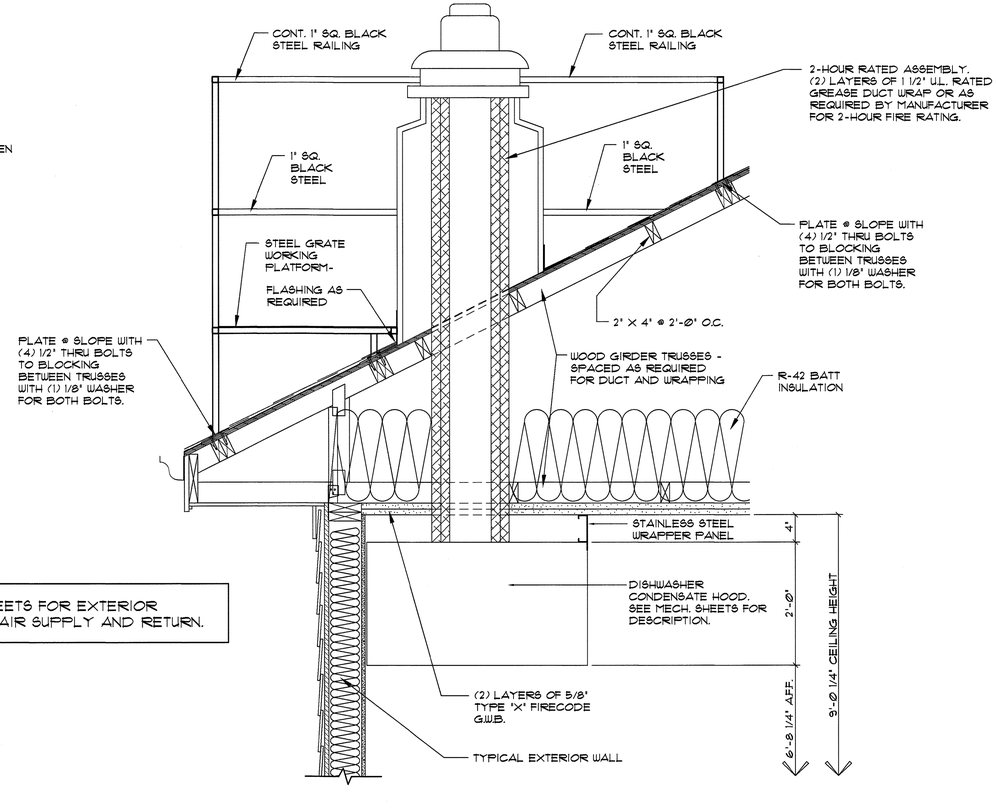
VERIFY TRUSS ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

KITCHEN EQUIPMENT CONTRACTOR TO FURNISH HOOD AND CONDENSATE EXHAUST FAN.

MECH. CONTRACTOR TO PROVIDE STAINLESS STEEL DUCTWORK AND INSTALL ALL BELOW.



SEE MECHANICAL SHEETS FOR EXTERIOR DOAS UNIT MAKE-UP AIR SUPPLY AND RETURN.



3201 **SECTION** KITCHEN EXHAUST HOOD, DUCTS AND FANS
SCALE: 1"=1'-0"

3202 **SECTION** DISHWASHER CONDENSATE HOOD, DUCT AND FAN
SCALE: 1"=1'-0"

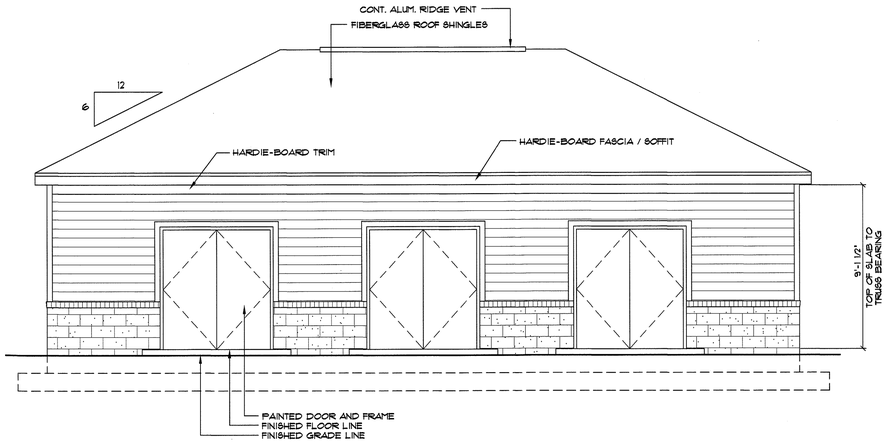
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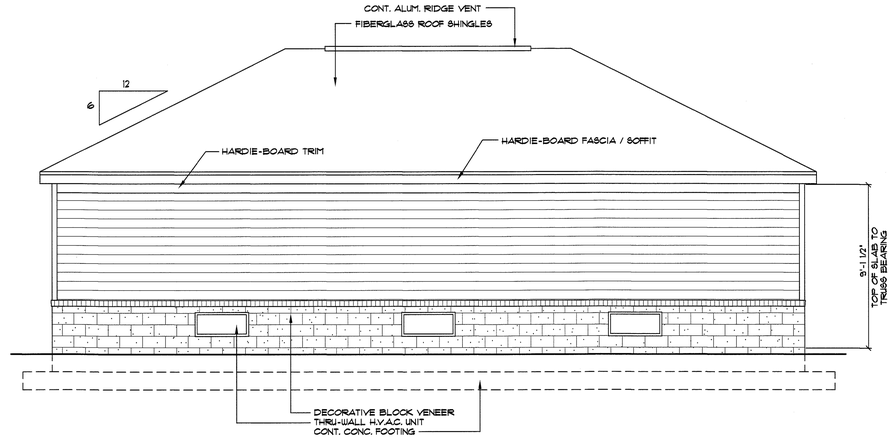
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3301 **ELEVATION**
SCALE: 1/4"= 1'-0"

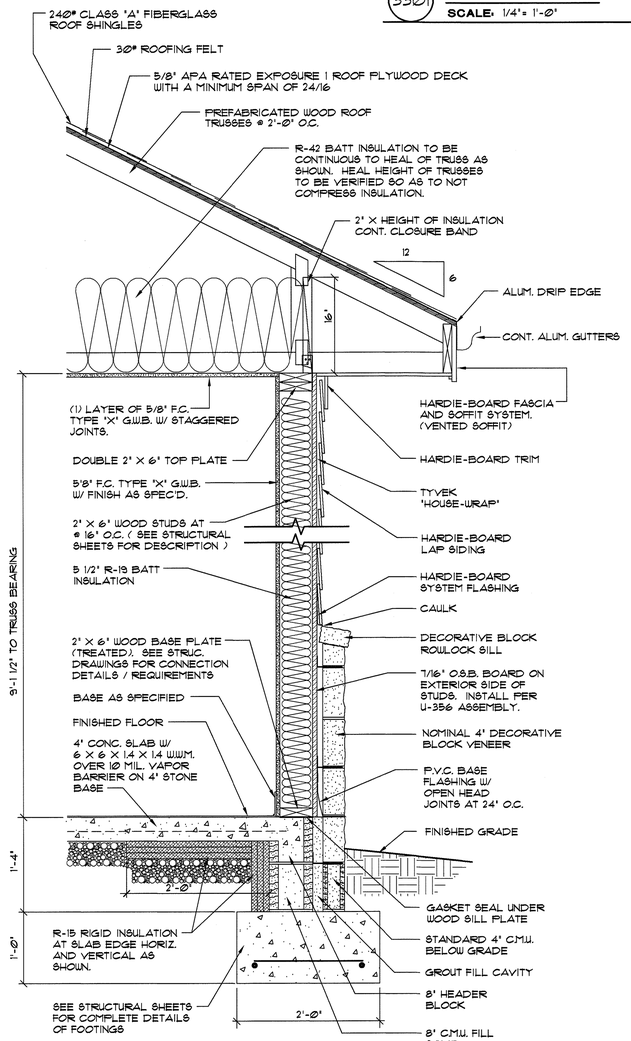


3302 **ELEVATION**
SCALE: 1/4"= 1'-0"

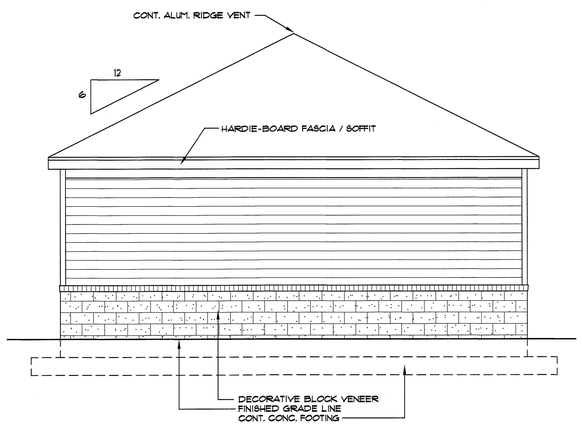
NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

DOOR AND FRAME SCHEDULE

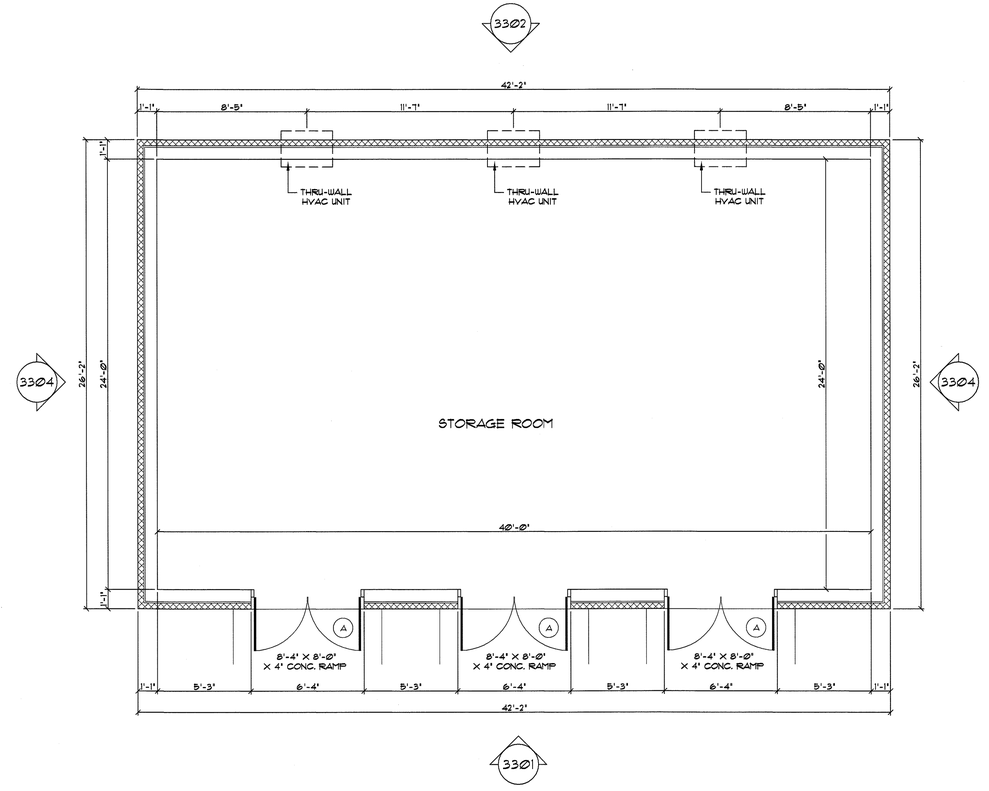
DOOR TYPE 'A'= 6'-0" X 6'-8"	DOOR MATERIAL: HUM DOOR TYPE: 4 DOOR LABEL: NONE FRAME MATERIAL: HUM FRAME TYPE: 1 HARDWARE SET: STANDARD HINGES OFFICE FUNCTION FLUSH BOLTS THRESHOLD WEATHERSTRIPPING	



3303 **SECTION** TYP. EXTERIOR WALL SECTION AT DECORATIVE BLOCK VENEER / HARDIE-BOARD SIDING
SCALE: 1"=1'-0"



3304 **ELEVATION**
SCALE: 1/4"= 1'-0"



3305 **FLOOR PLAN** STORAGE BUILDING
SCALE: 1/4"= 1'-0"

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

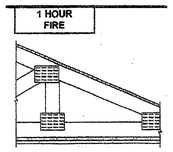
125 BED FACILITY

A 33

GA FILE NO. RC 2602	GENERIC

WOOD TRUSSES, GYPSUM WALLBOARD

Base layer ⅝" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1¼" Type W or S drywall screws 24" o.c. Face layer ⅝" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1⅞" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1½" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting ½" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. Ceiling provides one hour fire resistance protection for trusses.



Approx. Ceiling Weight: 6 psf
Fire Test: RM FC 172, 2-25-72; ITS, 8-6-98

1 **DETAIL** GYPSUM ASSOCIATION RC-2602
SCALE: N.T.S.

BXUV.U356
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

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- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U356

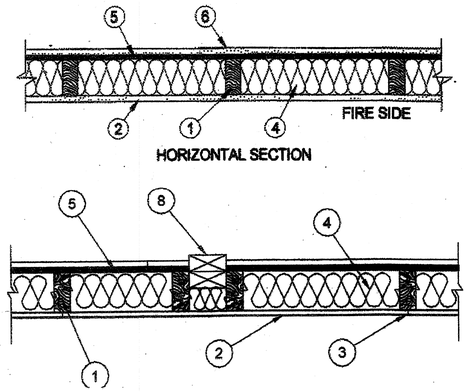
July 25, 2009

(Exposed to Fire on Interior Face Only)

Bearing Wall Rating — 1 Hr

Finish Rating — 23 Min or 25 Min (See Item 2C)

Load Restricted for Canadian Applications — See Guide BXUV7



2 **DETAIL** U.L. ASSEMBLY U-356
SCALE: N.T.S.

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 Classified 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 7, **Steel Framing Members***, 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.

See **Gypsum Board** (CKNX) Category for names of Classified Companies.

2A. Gypsum Board* — (As an alternate to Item 2, not shown) - Any 5/8 in. thick 4 ft wide gypsum panels supplied by the Classified Companies listed below shown 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.

CANADIAN GYPSUM COMPANY

UNITED STATES GYPSUM CO

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, AG-C

CERTAINTEED GYPSUM INC — ProRoc Type C or ProRoc Type X

CERTAINTEED GYPSUM CANADA INC — ProRoc Type C or ProRoc Type X

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-11

TEMPLE-INLAND FOREST PRODUCTS CORP — Types X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

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 25 min.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-11

TEMPLE-INLAND FOREST PRODUCTS CORP — Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X

3. Joints and Nailheads — (Not Shown) — Wallboard joints covered with tape and joint compound. Nail 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** (BKNV) Category in the Building Materials Directory and Batts and Blankets (BZ32) 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. Nominal dry density of 3.0 lb/ft^3. Alternate application method: The fiber is applied with U.S. GreenFiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft^3.

U S GREENFIBER L L C — Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

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 4.58 lb/ft^3.

NU-WOOL CO INC — Cellulose Insulation

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 stude. 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.

TEMPLE-INLAND FOREST PRODUCTS CORP — Types FiberBrace or QuietBrace

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 (BTAT) 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 CCVW) 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.

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, 2-3/8 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 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.

PAC INTERNATIONAL INC — Type RSIC-1.

7A. 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 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.

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.

*Bearing the UL Classification Mark

Last Updated on 2009-07-25

BXUV.U902
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

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- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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Fire Resistance Ratings - ANSI/UL 263

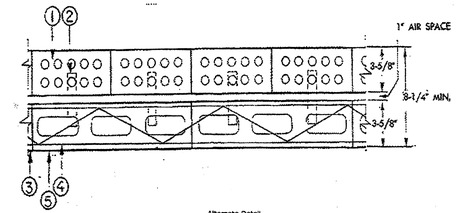
See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U902

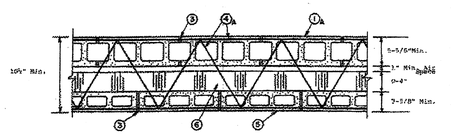
October 30, 2009

Bearing Wall Rating — 4 HR.

Load Restricted for Canadian Applications — See Guide BXUV7



Alternate Detail



1. Clay Face Brick — 3-5/8 in. wide by 2-1/4 in. high by 8 in. long.

1A. Concrete Blocks* — Various designs, Classification D-2 (2 h).

See Concrete Blocks category for list of eligible manufacturers.

2. Brick Ties — 3/4 in. wide, 7 in. long corrugated 26 MSG galv steel. Spaced one to each brick in every second course of blocks.

3. Mortar — Bricks and blocks laid in full bed of mortar nom. 3/8 in. thick of not less than 2-1/4 and not more than 3-1/2 parts clean sharp sand to 1 part Portland cement (proportioned by vol) and not more than 50 percent hydrated lime (by cement vol). Vertical joints staggered.

4. Reinforcement — Parallel and diagonal rods, 0.150 in. min diam with welded joints a max 16 in. OC. Placed the width of concrete block wall in every second course of blocks alternately with brick ties.

4A. Masonry Reinforcement — Prefabricated steel reinforcement, truss or ladder type, used for embedment in every second horizontal mortar joint. Placed the full width of wall assembly. Side and cross rods No. 9 (0.150 in.) min diam with welded joints a max 16 in. OC.

5. Concrete Blocks* — Various designs Classification D-2 (2 h). See Concrete Blocks category for list of eligible manufacturers.

6. Foamed Plastic* — (Optional — Not shown with clay face brick detail) Rigid polystyrene insulation for use between brick and/or concrete blocks. One or more layers of rigid extruded polystyrene insulation, 4 in. thick max having 1 in. min air space with face brick or blocks.

THE DOW CHEMICAL CO

OC CELFORTEC INC

OWENS CORNING SPECIALTY & FOAM

PRODUCTS — Type 150 or 250.

6A. Foamed Plastic* — (Optional-Not shown with clay face brick detail). Rigid polyisocyanurate insulation for use between brick and/or concrete blocks. One or more layers of rigid extruded polystyrene insulation, 4 in. thick max having 1 in. min air space with face brick or blocks.

THE DOW CHEMICAL CO — Type Thermax

6B. Foamed Plastic* — (Optional-Not shown with clay face brick detail). Two-component foamed plastic formed from NCFI 11-001, NCFI 11-002, NCFI 11-015, NCFI 11-016 or NCFI11-017 spray applied between brick and/or concrete blocks at a nominal density of 2.1 pcf, 4 in. thick max, having a 1 in. min air space with face brick or blocks.

NCFI POLYURETHANES

*Bearing the UL Classification Mark

Last Updated on 2009-10-30

2A **DETAIL** U.L. ASSEMBLY U-902
SCALE: N.T.S. (4-HR FIREWALL ABOVE ROOF DECK)

David R. Polston
REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2005

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

FS 1

BXUV.U305
Fire Resistance Ratings - ANSI/UL 263

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- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U305

December 23, 2008

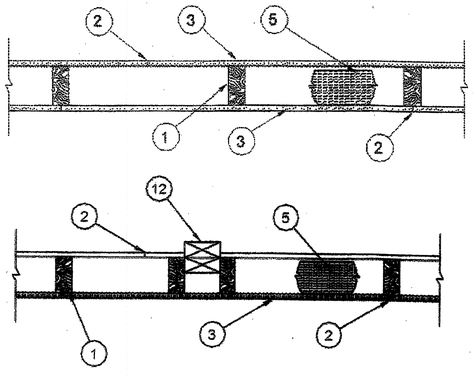
Bearing Wall Rating — 1 HR.

Bearing Wall Rating - ¾ HR (See Item 6B)

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G and 3H.

STC Rating - 56 (See Item 9)

Load Restricted for Canadian Applications — See Guide BXUV7



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

2. **Joints and Nail-Heads** — Exposed or covered with fiber tape and joint compound, except where required for specific edge configuration. For tapered, rounded-edge gypsum board, joints covered with joint compound or fiber tape and joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. 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 Item 6, 6A or 6B, **Steel Framing Members***.

When Item 6, **Steel Framing Members***, is 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 6B (3/4 hr rating), **Steel Framing Members***, is used, one layer of gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Joints oriented vertically and staggered on opposite sides of the assembly. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 6B (1 hr rating), **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 layer staggered with joints in base layer a minimum of 16 in. Joints oriented vertically and base layer staggered on opposite sides of the assembly. 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.), Type AGX-11 (finish rating 26 min) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC

LTD CO — Type DBX-1 (finish rating 24 min).

CERTAINTEED GYPSUM INC — Type 1, Type SF3 (finish rating 20 min) or FRPC, ProRoc Type C or ProRoc Type X (finish rating 26 min), Type EGRG (finish rating 23 min)

CERTAINTEED GYPSUM CANADA INC — ProRoc Type C, ProRoc Type X or ProRoc Type Abuse-Resistant (finish rating 26 min)

CANADIAN GYPSUM COMPANY — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FCV (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 SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min).

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), DA, DAPC .

LAFARGE NORTH AMERICA INC — Type LGFC2 (finish rating 20 min), Type LGFC3 (finish rating 20 min), Type LGFC5 (finish rating 26 min), Type LGFC-C (finish rating 20 min), Type LGFC5A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A.

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 FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSWK-C, Type FSW-G (finish rating 20 min).

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 (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 or Type PG-C.

PANEL REY S A — Type PRX.

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

TEMPLE-INLAND FOREST PRODUCTS CORP — Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X.

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type SCX (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 FCV (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (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).

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 FCV (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).

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.), Type AG-C (finish rating 25 min.).

CANADIAN GYPSUM COMPANY — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FCV (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).

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type SCX (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 FCV (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type FRX-G (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (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 FCV (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.

CANADIAN GYPSUM COMPANY — 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.

CANADIAN GYPSUM COMPANY — Type SHX.

UNITED STATES GYPSUM CO — Type SHX.

USG MEXICO S A DE C V — Type SHX.

3D. **Wall and Partition Facings and Accessories*** — (As an alternate to Items 3, 3A, 3B and 3C, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type S screws spaced 12 in. OC at perimeter of panels and 8 in. OC in the field. Horizontal joints of vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Screwheads covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5E. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Sprayed.

QUIET SOLUTION INC — Type QuietRock QR-530 (finish rating 23 min).

3E. **Gypsum Board*** — (As an alternate to Items 3, 3A, 3B, 3C, or 3D -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 max 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).

3F. **Gypsum Board*** — (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) — 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. Joints and nail heads treated as described in Item 2.

TEMPLE-INLAND FOREST PRODUCTS CORP — GreenGlass Type X (finish rating 23 min).

3G. **Gypsum Board*** — (As an alternate to Items 3, 3A, 3B, 3C, 3D, 3E and 3F) - 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.

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

3H. **Gypsum Board*** — (As an alternate to Items 3, 3A, 3B, 3C, 3D, 3E 3F and 3G) - 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.

TEMPLE-INLAND FOREST PRODUCTS CORP — Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min).

4. **Steel Corner Fasteners — (Optional)** — For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the backside 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) 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 placed to completely fill the stud cavities and shall be secured to the studs 24 in. OC with staples, nails or screws.

CERTAINTEED CORP

GUARDIAN FIBERGLASS INC

JOHNS MANVILLE INTERNATIONAL INC

KNAUF INSULATION GMBH

OWENS CORNING HT INC, DIV OF OWENS

CORNING — Corning Fiberglas Corp.

ROCK WOOL MANUFACTURING CO — Delta Board.

ROXUL ASIA SDN BHD — Acoustical Fire Batts

ROXUL INC — Acoustical Fire Batts

THERMAFIBER INC — Type SAFB.

5A. **Fiber, Sprayed*** — (Not shown - Not for use with Item 6A) 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. Nominal dry density of 3.0 lb/ft^3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 0.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.8 lb/ft^3.

U S GREENFIBER L L C — Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

5B. **Fiber, Sprayed*** — (Not shown - Not for use with Item 6A) As an alternate to Batts and Blankets (Item 5) and Item 5A - 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, placed to fill interior of wall, attached to the 4 in. face of the studs with staples placed 24 in. OC.

THERMAFIBER INC — Type SAFB

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, placed to fill the interior of the wall, attached to the 4 in. face of the studs with staples placed 24 in. OC. See **Batts and Blankets** (BKNV or BZ1Z) Categories for names of Classified companies.

5E. **Batts and Blankets*** — (Required for use with Wall and Partition Facings and Accessories, Item 3D) — 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 (BKNV) for names of manufacturers.

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. 2-3/8 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 6a) to studs. Clips spaced 48 in. OC. RSIC-1 clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V 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.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-V.

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. One layer of gypsum board attached to furring channels as described in Item 3 for 3/4-hr rating. Two layers of gypsum board attached to furring channels as described in Item 3 for 1-hr rating.

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

7. **Furring Channel** — Optional - Not Shown - For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 5C or 5D is required.

7A. **Steel Framing Members*** — Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 7) to one side of studs only. Clips attached at each intersection of the resilient channel and the wood studs (Item 1). Resilient channels are friction fitted into clips, and then clips are secured to the wood stud with min. 1-3/4 in. long diamond shaped point, double lead Phillips head steel screws through the center hole of the clip and the resilient channel flange.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

8. **Caulking and Sealants** — (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control.

9. **STC Rating** — The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:

A. Item 2, above - Nailheads Shall be covered with joint compound.

B. Item 2, above - Joints As described, shall be covered with fiber tape and joint compound.

C. Item 5, above - Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.

D. Item 6, above - Steel Framing Members* Type RSIC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.

E. Item 8, above - Caulking and Sealants (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.

F. Steel Corner Fasteners (Item 4), Fiber, Sprayed (Items 5A and 5B) and Steel Framing Members (Item 6A), not evaluated as alternatives for obtaining STC rating.

10. **Wall and Partition Facings and Accessories*** — (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

QUIET SOLUTION INC — Type QuietRock QR-510.

11. **Cementitious Backer Units*** — (Optional Item Not Shown - For Use On Face Of 1 Hr Systems With All Standard Items Required) - 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, 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 of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

NATIONAL GYPSUM CO — Type PermaBase

12. **Non-Bearing Wall Partition Intersection** — (Optional) —Two nominal 2 by 4 in. studs or nominal 2 by 6 in. studs nailed together with two 3 in. 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.

*Bearing the UL Classification Mark

Last Updated on 2008-12-23

(3) **DETAIL** U.L. ASSEMBLY U-305
SCALE: N.T.S.

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

FS 2

BXUV.U901
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

Fire Resistance Ratings - ANSI/UL 263

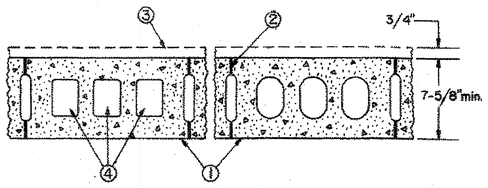
See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U901

October 26, 1998

Bearing Wall Rating — 4 HR.

Nonbearing Wall Rating — 4 HR.



1. **Concrete Blocks*** — Various designs. Classification B-4 (4 hr).

See Concrete Blocks category for lists of eligible manufacturers.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — If used, add 1/2 hr. to Classification.

4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, burned clay or shale (rotary kiln process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation, Class D-2 (2 hr) or C-3 (3 hr) concrete blocks will provide a 4 hr fire resistance rating.

*Bearing the UL Classification Mark

BXUV.N502
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

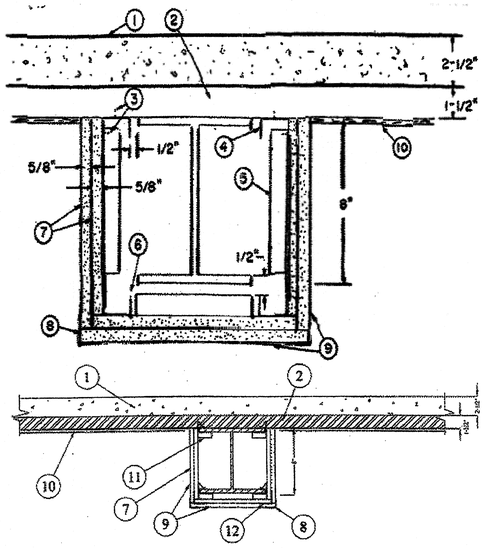
Design No. N502

February 19, 2009

Restrained Beam Rating — 2 Hr.

Unrestrained Beam Rating — 2 Hr.

Load Restricted for Canadian Applications — See Guide BXUV7



Steel Beam — Min size, a W8 x 24 with outside dimensions of 7-7/8 x 6-1/2 in. with a flange thickness of 3/8 in., a web thickness of 1/4 in., and a cross-sectional area of 7.06 sq in.

1. **Normal Weight Concrete** — 148 pcf.

2. **Steel Floor and Form Units*** — 1-1/2 in. fluted type, welded to beam.

3. **Drill Screw** — No. 8-18 by 1/2 in. long Phillips panhead drill screws, self-drilling and self-tapping, made of case-hardened steel.

4. **Runner Channel** — Fabricated from 25 MSG galv steel, 1-11/16 in. deep with 1-in. legs. Fastened to steel deck with Item 3, 12 in. OC.

5. **Channel Bracket** — Same material as Item 4 and fastened to runner channels with Item 3. Bracket spaced 24 in. OC.

6. **Corner Channel** — Same material as Item 4. Placed in cutouts of channel brackets without attachment.

7. **Gypsum Board*** — 5/8 in. thick. First layer fastened with 1-1/4 in. long, 0.150-in. diam screws and spaced 16 in. OC. Second layer attached with 1-3/4 in. long, 0.150-in. diam screws spaced 8 in. OC. Screws are self-drilling and self-tapping Phillips head made of case-hardened steel.

AMERICAN GYPSUM CO — Types AGX-1, AG-C, AGX-1 .

CERTAINTEED GYPSUM INC — Types 1, FRPC, SF3, EGRG, ProRoc Type C, ProRoc Type X.

CERTAINTEED GYPSUM CANADA INC — ProRoc Type C, ProRoc Type X, ProRoc Type Abuse-Resistant.

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

CANADIAN GYPSUM COMPANY — Type C, IP-X1, IP-X2, IPC-AR, SCX, SHX or WRX.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS1, GPFS6.

LAFARGE NORTH AMERICA INC — Types LGFC3, LGFC5, LGFC6A , LGFC-C, LGFC-C/A.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type C, PG-3, PG-9, PG-11 or PG-C.

PANEL REY S A — Type PRC

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

TEMPLE-INLAND FOREST PRODUCTS CORP — Type TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X.

UNITED STATES GYPSUM CO — Types C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, USGX (Joint tape and compound, Item 9, optional for use with Type USGX).

USG MEXICO S A DE C V — Types C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX.

8. **Corner Bead** — Fabricated from 20 MSG galv steel to form an angle with 1-1/4 in. legs. Legs perforated with 1/4 in. diam holes approx 1 in. OC. Attached to wallboard with special crimping tool approx 8 in. OC. As an alternate, the bead may be nailed to the wallboard.

9. **Joint Compound** — 1/32 in. thick on bottom and sides of wallboard from corner beads and feathered out. Paper tape embedded in joint compound over joints with edges of compound feathered out. Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

10. **Protective Material — Spray-Applied Fire Resistive Materials*** — Spray applied to the underside of the steel floor units, filling the flutes of the units and providing a smooth ceiling which was 1/4 in. thick as measured from the bottom plane of the floor units.

See Spray-Applied Fire Resistive Materials (CHPX) category for names of manufacturers .

11. **Alternate Construction — Steel Framing Members** — As an alternate to items 3, 4, 5 and 6, steel clips attached to both sides of beam flanges 2 ft OC and at ends of beam. First layer of gypsum board fastened to steel clips with 1-1/4 in. long Type S drywall screws. 2 in. by 2 in. 28 MSG angle fastened to clips on bottom portion of assembly with 2 in. long Type S drywall screws. Second layer of gypsum board fastened to angle and clips with 2 in. long Type S drywall screws spaced 2 ft OC. Screws are self-drilling and self-tapping Phillips head made of case-hardened steel.

JOHN WAGNER ASSOCIATES INC, DBA

GRABBER — Type CBClip.

See Spray-Applied Fire Resistive Materials (CHPX) category for names of manufacturers.

*Bearing the UL Classification Mark

BXUV.X528
Fire Resistance Ratings - ANSI/UL 263

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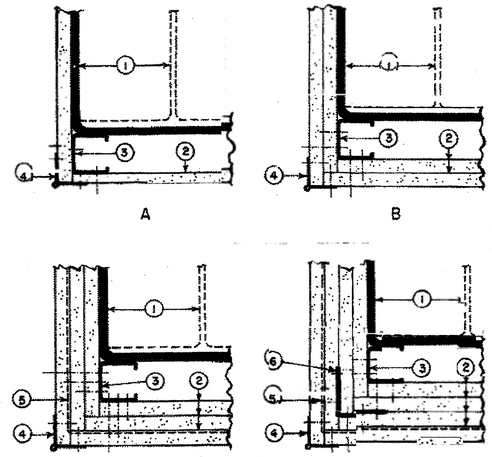
Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. X528

July 10, 2008

Ratings — 1, 2 and 3 Hr.



CORNER DETAILS OF WALLBOARD SUPPORT SYSTEMS WITHOUT STEEL COVERS

1. **Steel Column** — Min sizes of W-shaped and tubular steel columns which appear in the AISC Steel Construction Manual as shown under Item 2.

2. **Gypsum Board*** — For 1 Hr rating, any 5/8 in. or 1/2 in. thick gypsum wallboard Classified for use in fire resistance assemblies. For 2 Hr and 3 Hr ratings, any 5/8 in. or 1/2 in. thick gypsum wallboard Classified for use in other 2 Hr, 3 Hr or 4 Hr Column Designs. Min total thickness of layers in inches for the various ratings and min column sizes To as follows:

W Shaped Column Min Column Size	Rating (Hr)			Corner Details For Various Rating		
	1	2	3	1 Hr	2 Hr	3 Hr
Total thickness (In.)						
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
Tube Shaped columns						
TS 4 by 4 by0.188	1	1-3/4	2-5/8	B	C	D
TS 8 by 8 by 0.250	5/8	1-1/2	2-1/4	A	C	D

Applied in layers as noted in the above illustrations. Boards are to be applied vertically without horizontal joints.

See **Gypsum Board (CKNX)** category for names of manufacturers.

2A. **Gypsum Board*** — As an alternate to Item 2- 3/4 in. thick gypsum wallboard. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints.

CANADIAN GYPSUM COMPANY — Type IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Type IP-X3 or ULTRACODE

USG MEXICO S A DE C V — Type IP-X3 or ULTRACODE

3. **Steel Stud** — 1-5/8 in. wide with 1-5/16 and 1-7/16 in. legs having a 1/4- in. folded flange, fabricated from No. 25 MSG galv steel. Length to be 1/2 in. less than the assembly height.

3A. **As an alternate to Item 3 Steel Framing Members*** — galv. steel clips spaced 4 ft OC and 1-1/4 in. from top and bottom of column. A No. 28 MSG galv steel support angle with 1-1/4 in. length shall be placed over clips and secured with screws attaching the wallboard. The angle cut 1 in. less than assembly height splices in angle to occur over clips. The clips for use with wide flange columns only.

JOHN WAGNER ASSOCIATES INC, DBA

GRABBER — Types CB, CB1Clips.

4. **Corner Beads** — No. 28 MSG galv steel, 1-1/4 in. legs to be attached to the wallboard with No. 6 by 1 in. screws spaced 12 in. OC max.

5. **Tie Wire** — No. 18 SWG steel wire spaced 24 in. OC used with second layer of wallboard.

6. **Screws** — For attaching first layer of wallboard to steel studs, and third layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1 in. (or 1-1/4 in. for 3/4 in. thick wallboard) Phillips head self-drilling, self-tapping double lead screws spaced 24 in. OC For attaching second layer of wallboard to steel studs and fourth layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1-3/4 in. (or 2-1/4 in. for 3/4 in. thick wallboard) steel screws of the same type spaced 12 in. OC For attaching third layer of wallboard to steel studs to be No. 8 by 2-1/4 in. screws of the same type spaced 12 in. OC

7. **Finishing System** — (Not Shown) — Joint compound applied over corner beads to a thickness of 1/16 in.

*Bearing the UL Classification Mark

(4) **DETAIL** SCALE: N.T.S. U.L. ASSEMBLY U-901

(5) **DETAIL** SCALE: N.T.S. U.L. ASSEMBLY N-502

(6) **DETAIL** SCALE: N.T.S. U.L. ASSEMBLY X-528

Revised

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

7.1.2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

FS 3

System No. W-L-1001

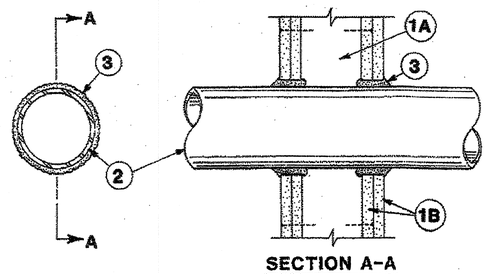
June 15, 2005

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. (38 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 Materials* — 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 dependant 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 dependant 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:

Max 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

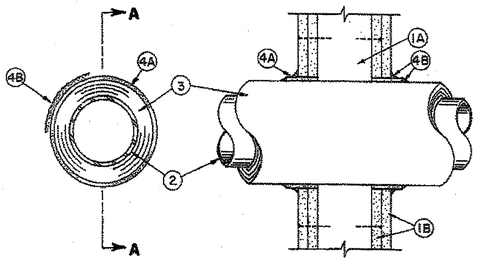
May 19, 2005

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 walls.

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

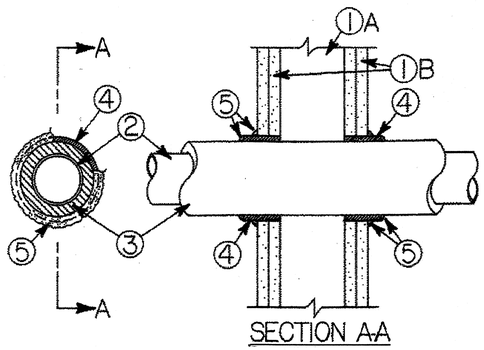
May 19, 2005

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 than 1 CFM/sq ft



SECTION A-A

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

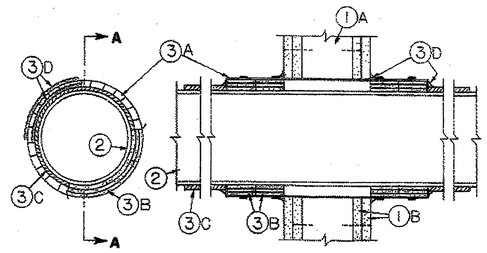
April 11, 2006

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 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 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 dependant 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 Coverings*** — 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

7 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 12" MAX. DIAMETER STEEL PIPE THROUGH G.W.B. ASSEMBLY

8 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 12" MAX. DIAMETER INSULATED STEEL PIPE THROUGH G.W.B. ASSEMBLY

9 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 12" MAX. DIAMETER INSULATED COPPER PIPE THROUGH G.W.B. ASSEMBLY

10 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 4" MAX. DIAMETER A.B.S. & P.V.C. PLASTIC PIPE THROUGH G.W.B. ASSEMBLY

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

FS 4

System No. W-L-2003

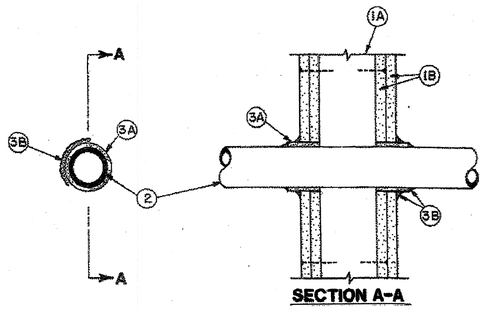
May 23, 2005

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 Item 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

11 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 2" MAXIMUM DIAMETER P.E., P.P., & P.V.C. PLASTIC PIPE / CONDUIT THROUGH G.W.B. ASSEMBLY

System No. W-L-3001

September 07, 2004

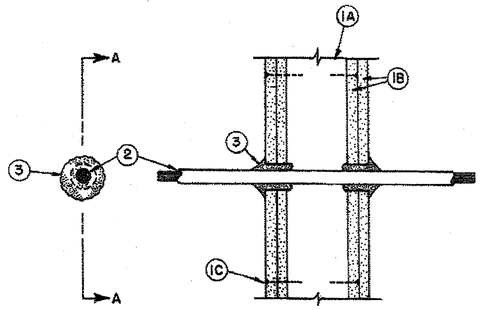
(Formerly System No. 149)

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 and 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 and 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

12 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR INSULATED CABLE THROUGH G.W.B. ASSEMBLY

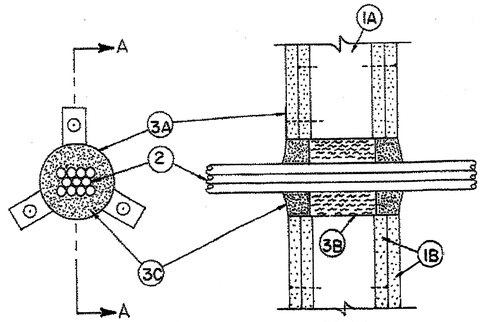
System No. W-L-3005

June 23, 2000

(Formerly System No. 235)

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1/2 Hr



FIRESTOP CONFIGURATION A

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 50 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, FS903CG, FS905, FS905CG, FS929, FST901, FST903 or FST905 Sealant or FSP 1000 Putty

13 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 6" MAX. DIAMETER INSULATED CABLE THROUGH G.W.B. ASSEMBLY

System No. W-J-1010

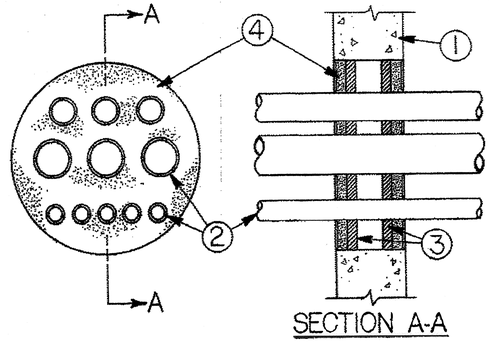
June 15, 2005

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/m^3) 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

14 **DETAIL** SCALE: N.T.S. — PENETRATION FIRESTOP FOR 3" MAX. DIAMETER STEEL PIPE OR CONDUIT THROUGH 4-HR RATED ASSEMBLY

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

FS 5

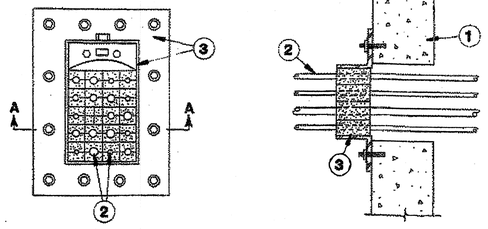
System No. W-J-1016

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.

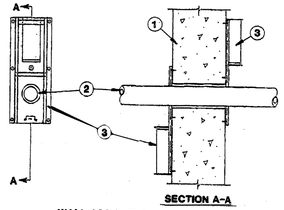
3. **Firestop Device** — Firestop device shall be installed in accordance with the accompanying installation instructions. Firestop device consists of a steel frame, compression unit, stay plates and elastomeric insert blocks. The firestop device may be installed on either side of a solid concrete wall 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

15 **DETAIL** PENETRATION FIRESTOP FOR 2" MAXIMUM DIAMETER STEEL PIPE OR CONDUIT THROUGH 4-HR RATED ASSEMBLY
SCALE: N.T.S.

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 6 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

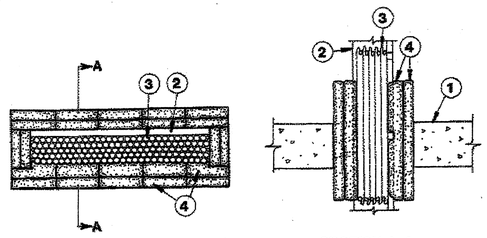
16 **DETAIL** PENETRATION FIRESTOP FOR 6" MAXIMUM DIAMETER P.V.C. PIPE, P.E. PIPE, OR C.P.V.C. PIPE THROUGH 4-HR RATED ASSEMBLY
SCALE: N.T.S.

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 3 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.

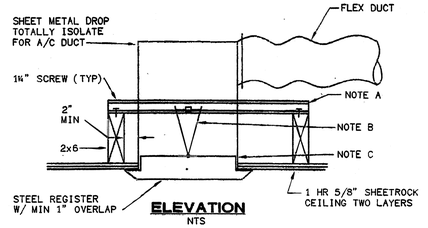
C. Max 350 kcmil single conductor power cables with polyvinyl chloride (PVC) insulation.

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

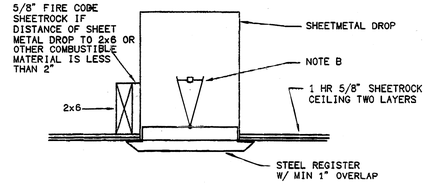
*Bearing the UL Classification Mark

17 **DETAIL** PENETRATION FIRESTOP FOR INSULATED CABLES THROUGH 4-HR RATED ASSEMBLY
SCALE: N.T.S.



ELEVATION
NTS

NOTES:
A. SUPPORT EACH SIDE WITH 16 GA. × 1⅝×1⅝ 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.

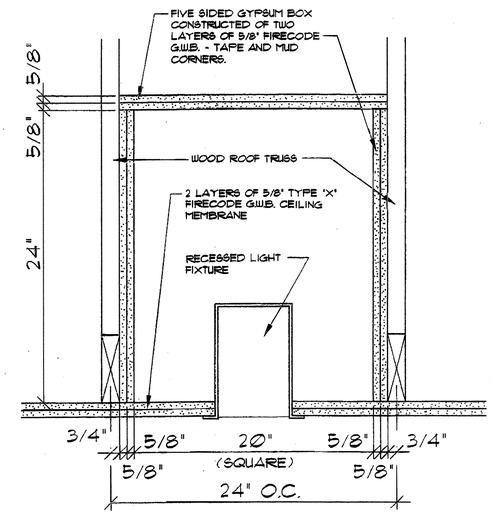


BOX NEXT TO 2x6 JOIST

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

18 **DETAIL** RADIATION DAMPER AT CEILING LOCATION
SCALE: N.T.S.

FIVE SIDED G.W.B. TO BE AIR TIGHT, IC RATED AND SEALED TO DRYWALL CEILING.



RECESSED LIGHTING CEILING PROTECTION
FIVE SIDED G.W.B. BOX — SCALE: 2"= 1'-0"

19 **DETAIL** FIVE SIDED G.W.B. BOX FOR FIRE PROTECTION AT CEILING CAN LIGHTS
SCALE: N.T.S.

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.
7-1-2025

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

125 BED FACILITY

FS 6