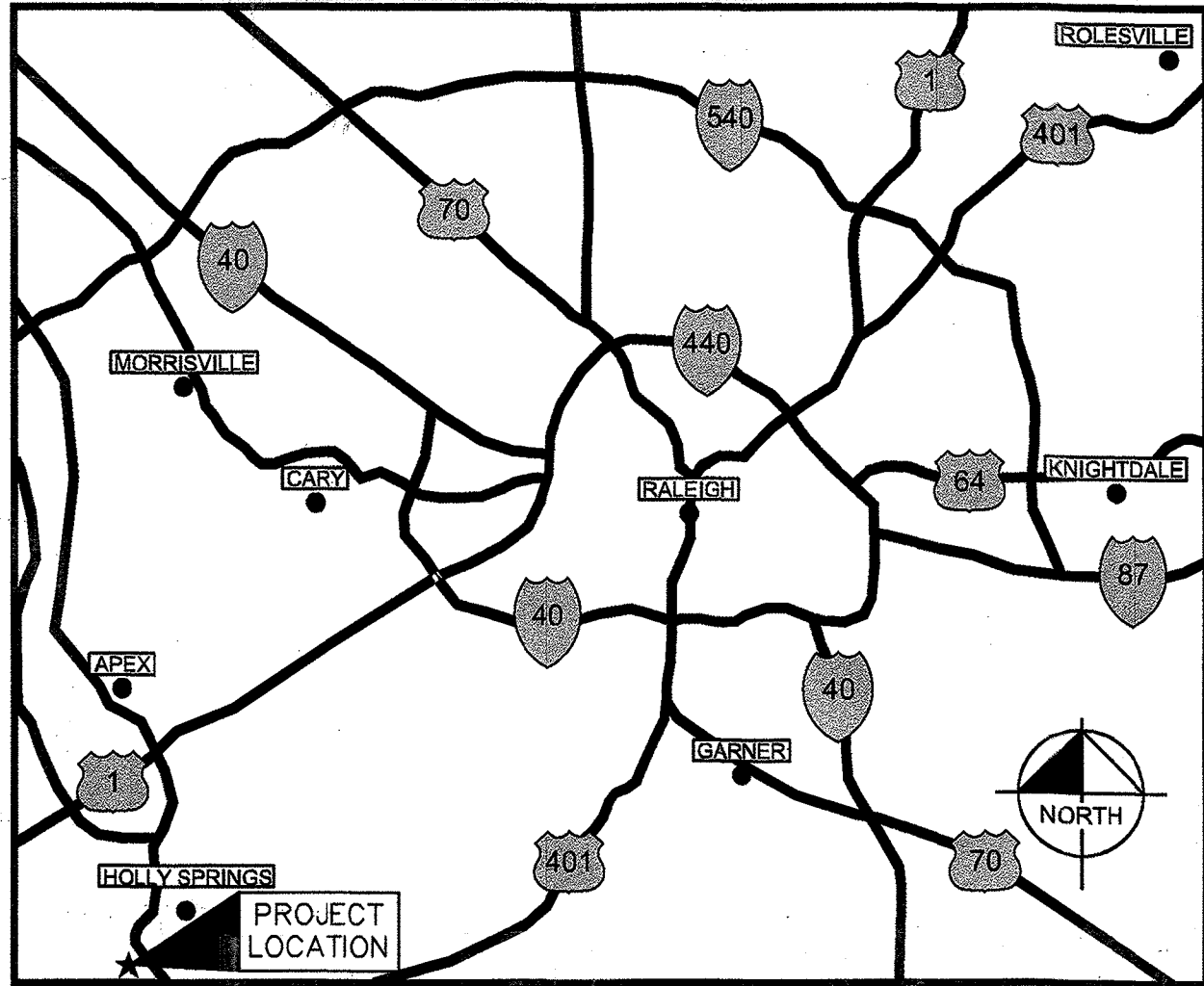


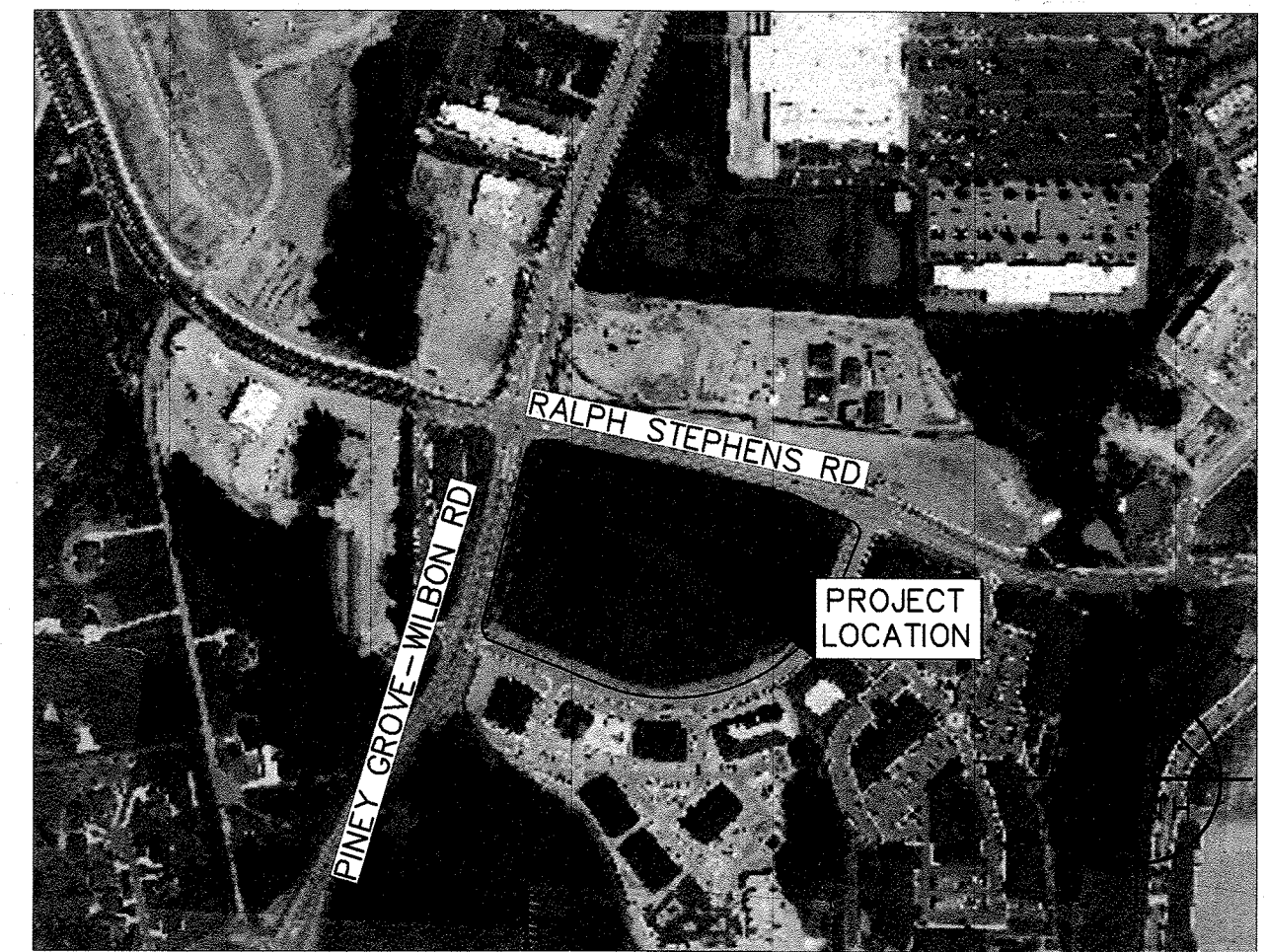


VICINITY MAP

PRINCIPLE HEALTH CARE WAKE COUNTY

1936 Ralph Stephens Road
Holly Springs, North Carolina 27540

120 BED NURSING FACILITY



LOCATION MAP

SCHEDULE OF DRAWINGS:

T 1- COVER SHEET
T 2- MAIN BUILDING DATA - APPENDIX 'B'
T 3- STORAGE BUILDING DATA - APPENDIX 'B'

CIVIL

C 00- CIVIL COVER SHEET
C 01- REPRESENTATIVE 3D IMAGE
C 10- EXISTING CONDITIONS AND DEMOLITION PLAN
C 20- SITE PLAN
C 21- OFF-SITE ROADWAY PLAN
C 22- OFF-SITE ROADWAY PLAN
C 23- OFF-SITE ROADWAY PLAN
C 30- EROSION CONTROL PLAN - PHASE 1
C 31- EROSION CONTROL PLAN - PHASE 2
C 32- EROSION CONTROL PLAN - PHASE 3
C 40- GRADING AND DRAINAGE PLAN
C 41- STORM DATA TABLE
C 50- UTILITY PLAN
C 51- SEWER PLAN AND PROFILE
C 52- WATER PLAN AND PROFILE
C 60- SITE DETAILS
C 61- SITE DETAILS
C 70- STORM DRAINAGE DETAILS
C 80- UTILITY DETAILS
C 81- UTILITY DETAILS
C 82- UTILITY DETAILS
C 90- EROSION CONTROL DETAILS
C 91- EROSION CONTROL DETAILS
C 100- WET POND DETAILS
C 110- NPDES DETAILS
C 120- LIGHTING PLAN
C 121- OVERALL PHOTOMETRIC PLAN
C 122- PHOTOMETRIC PLAN ENLARGEMENT
C 123- PHOTOMETRIC PLAN ENLARGEMENT
L 10- LANDSCAPE PLAN
L 20- LANDSCAPE DETAILS
L 30- WET POND LANDSCAPE PLAN
L 41- HARDSCAPE PLAN - WEST COURTYARD
L 42- HARDSCAPE PLAN - EAST COURTYARD
L 43- HARDSCAPE PLAN - EMPLOYEE COURTYARD
L 44- HARDSCAPE PLAN - PUBLIC REALM
L 50- HARDSCAPE DETAILS
L 51- HARDSCAPE DETAILS
L 52- HARDSCAPE DETAILS
L 53- HARDSCAPE DETAILS
L 61- LANDSCAPE PLAN - WEST COURTYARD
L 62- LANDSCAPE PLAN - EAST COURTYARD
L 63- LANDSCAPE PLAN - EMPLOYEE COURTYARD
L 64- LANDSCAPE PLAN - PUBLIC REALM
L 70- LANDSCAPE DETAILS
L 81- LIGHTING PLAN - WEST COURTYARD
L 82- LIGHTING PLAN - EAST COURTYARD
L 83- LIGHTING PLAN - EMPLOYEE COURTYARD
L 84- LIGHTING PLAN - PUBLIC REALM
L 90- LIGHTING DETAILS

STRUCTURAL

S 11- PARTIAL FOUNDATION PLAN
S 12- PARTIAL FOUNDATION PLAN
S 13- PARTIAL FOUNDATION PLAN
S 14- PARTIAL FOUNDATION PLAN
S 15- PARTIAL FOUNDATION PLAN
S 16- PARTIAL FOUNDATION PLAN
S 21- PARTIAL FRAMING PLAN
S 22- PARTIAL FRAMING PLAN
S 23- PARTIAL FRAMING PLAN
S 24- PARTIAL FRAMING PLAN
S 25- PARTIAL FRAMING PLAN
S 26- PARTIAL FRAMING PLAN
S 3- STRUCTURAL DETAILS
S 4- STRUCTURAL DETAILS
S 5- STRUCTURAL DETAILS
S 6- STRUCTURAL DETAILS
S 7- STRUCTURAL DETAILS
S 8- STRUCTURAL DETAILS
S 9- STRUCTURAL DESIGN DATA, NOTES
AND SPECIAL INSPECTIONS
REQUIREMENTS.

ARCHITECTURAL

L9 1- LIFE SAFETY - GENERAL LIFE SAFETY REQUIREMENTS
L9 2- LIFE SAFETY - OCCUPANCY CLASSIFICATIONS AND
EGRESS LOADS
A 1- 1/16" SCALE COMPOSITE PLAN
A 11- ROOF PLAN
A 12- ROOF PLAN AT KITCHEN DOAS UNIT
A 2- 1/8" SCALE PARTIAL PLANS
A 3- 1/8" SCALE PARTIAL PLANS
A 4- 1/8" SCALE PARTIAL PLANS
A 5- 1/8" SCALE PARTIAL PLANS
A 6- 1/4" SCALE ROOM PLANS
A 7- 1/4" SCALE STAFF SUPPORT PLANS
A 8- 1/4" SCALE PHYSICAL THERAPY AREA PLAN
A 9- 1/4" SCALE KITCHEN AND SERVICE AREA PLAN
A 10- INTERIOR ELEVATIONS
A 11- INTERIOR ELEVATIONS
A 12- INTERIOR DETAILS
A 13- INTERIOR DETAILS
A 14- DOOR AND FRAME SCHEDULE
A 15- DOOR AND FRAME SCHEDULE
A 16- EXTERIOR ELEVATIONS
A 17- EXTERIOR ELEVATIONS
A 18- EXTERIOR ELEVATIONS
A 19- EXTERIOR ELEVATIONS
A 20- EXTERIOR ELEVATIONS
A 21- EXTERIOR ELEVATIONS
A 22- EXTERIOR ELEVATIONS
A 23- EXTERIOR ELEVATION DETAILS /
LOBBY CROSS-SECTION
A 24- WINDOW SCHEDULE AND DETAILS
A 25- INTERIOR WALL SECTIONS
A 26- EXTERIOR WALL SECTIONS
A 27- COLUMN SECTIONS / MISC. CONSTRUCTION DETAILS
A 28- KITCHEN HOOD DETAILS
A 29- BUILDING CROSS-SECTIONS
A 30- EXTERIOR STORAGE BUILDING PLAN AND ELEVATIONS
A 31- EXTERIOR STORAGE BUILDING WALL SECTIONS

F8 1- CONSTRUCTION ASSEMBLY DETAILS
F8 2- CONSTRUCTION ASSEMBLY DETAILS
F8 3- CONSTRUCTION ASSEMBLY DETAILS
F8 4- PENETRATION FIRE STOPPING DETAILS
F8 5- PENETRATION FIRE STOPPING DETAILS
F8 6- PENETRATION FIRE STOPPING DETAILS

INTERIOR DESIGN

ID 01- FINISH LEGEND
ID 02- ROOM FINISH SCHEDULE
ID 03- PARTIAL FLOOR PLAN
ID 04- INTERIOR ELEVATIONS
ID 05- INTERIOR ELEVATIONS
ID 06- INTERIOR ELEVATIONS
ID 07- MILLWORK DETAILS
ID 08- MILLWORK DETAILS
ID 09- FINISH PLAN
ID 10- FURNITURE PLAN

FOOD SERVICE EQUIPMENT (BY OWNER)

Q 101- EQUIPMENT PLANS
Q 201- ELECTRICAL ROUGH-IN PLANS
Q 202- PLUMBING ROUGH-IN PLANS
Q 203- BUILDING WORKS PLANS
Q 101- MEP SCHEDULES

PLUMBING

P 01- PLUMBING SCHEDULES, NOTES,
AND ABBREVIATIONS
P 02- PLUMBING DETAILS
P 03- PLUMBING DETAILS
P 04- PLUMBING RISER DIAGRAMS

P8 1- PARTIAL PLUMBING WASTE-VENT PLAN
P8 2- PARTIAL PLUMBING WASTE-VENT PLAN
P8 3- PARTIAL PLUMBING WASTE-VENT PLAN
P8 4- ENLARGED PLUMBING WASTE-VENT PLANS
P8 5- ENLARGED PLUMBING WASTE-VENT PLANS
PW 1- PARTIAL PLUMBING DOMESTIC WATER PLAN
PW 2- PARTIAL PLUMBING DOMESTIC WATER PLAN
PW 3- PARTIAL PLUMBING DOMESTIC WATER PLAN
PW 4- ENLARGED DOMESTIC WATER PLANS
PW 5- ENLARGED DOMESTIC WATER PLANS

MECHANICAL

M 01- MECHANICAL SCHEDULES, LEGEND, AND NOTES
M 02- MECHANICAL SCHEDULES
M 03- MECHANICAL SCHEDULES
M 04- MECHANICAL DETAILS
M 05- CONTROL SCHEMATICS
M 06- KITCHEN HOOD DETAILS
M 07- KITCHEN HOOD DETAILS
M 08- KITCHEN HOOD DETAILS
M 09- KITCHEN HOOD DETAILS
M 010- KITCHEN HOOD DETAILS
M 011- KITCHEN HOOD DETAILS
M 012- KITCHEN HOOD DETAILS

MH 1- PARTIAL MECHANICAL HVAC PLAN
MH 2- PARTIAL MECHANICAL HVAC PLAN
MH 3- PARTIAL MECHANICAL HVAC PLAN
MH 4- ENLARGED MECHANICAL HVAC PLANS

MP 1- PARTIAL MECHANICAL PIPING PLAN
MP 2- PARTIAL MECHANICAL PIPING PLAN
MP 3- PARTIAL MECHANICAL PIPING PLAN

ELECTRICAL

E 01- ELECTRICAL ABBREVIATIONS AND LEGEND
E 02- ELECTRICAL GENERAL NOTES
E 03- ELECTRICAL SITE PLAN
E 04- ELECTRICAL POWER AND RISER DIAGRAM
E 05- ELECTRICAL SCHEDULES
E 06- ELECTRICAL DETAILS
E 07- ELECTRICAL DETAILS
E 08- ELECTRICAL DETAILS
E 09- ELECTRICAL DETAILS AND TELECOM RISER
E 10- ELECTRICAL PANEL SCHEDULES
E 11- ELECTRICAL PANEL SCHEDULES
E 12- ELECTRICAL PANEL SCHEDULES
E 13- ELECTRICAL PANEL SCHEDULES
E 14- ELECTRICAL PANEL SCHEDULES
E 15- ELECTRICAL PANEL SCHEDULES

EP 10- ELECTRICAL REFERENCE AND
PANEL-BOARD PLAN
EP 11- PARTIAL ELECTRICAL POWER PLAN
EP 12- PARTIAL ELECTRICAL POWER PLAN
EP 13- PARTIAL ELECTRICAL POWER PLAN
EP 14- ELECTRICAL ROOF POWER PLAN
EP 15- ELECTRICAL ATTIC POWER PLAN
EP 40- ELECTRICAL BEDROOM PLANS
EP 41- ELECTRICAL ENLARGED PLANS /
ELECTRICAL COURTYARD PLANS
EP 42- ELECTRICAL GENERATOR PLAN
AND DETAILS
EP 43- ELECTRICAL ENLARGED PLAN -
ELECTRICAL EQUIPMENT ROOM

EL 01- LIGHTING FIXTURE SCHEDULE
EL 02- DECORATIVE LIGHTING FIXTURE SCHEDULE
EL 11- PARTIAL ELECTRICAL LIGHTING PLAN
EL 12- PARTIAL ELECTRICAL LIGHTING PLAN
EL 13- PARTIAL ELECTRICAL LIGHTING PLAN
EL 14- ATTIC ELECTRICAL LIGHTING PLAN

S 01- ELECTRICAL SYSTEMS LEGEND, RISER, AND NOTES
ES 11- PARTIAL ELECTRICAL SYSTEMS PLAN
ES 12- PARTIAL ELECTRICAL SYSTEMS PLAN
ES 13- PARTIAL ELECTRICAL SYSTEMS PLAN
ES 40- NURSE CALL SYSTEM BEDROOM PLANS
FA 01- FIRE ALARM SYSTEMS NOTES AND DETAILS
FA 02- FIRE ALARM SYSTEMS NOTES
AND ZONE PLAN
FA 11- PARTIAL FIRE ALARM SYSTEM PLAN
FA 12- PARTIAL FIRE ALARM SYSTEM PLAN
FA 13- PARTIAL FIRE ALARM SYSTEM PLAN

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

120 BED
NURSING FACILITY

1

PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

David R. Polston
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, NC
7.15.2020

NORTH CAROLINA BUILDING CODE SUMMARY

120 BED NURSING FACILITY

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

Name of Project: PRINCIPLE HEALTH CARE - WAKE COUNTY - 120 BED FACILITY

Address: 7336 RALPH STEPHENS ROAD - HOLLY SPRINGS, NC Zip Code: 27540

Owner/Authorized Agent: JON WHITE Phone: 919-428-1361 E-mail: jonwhite@polstonarch.com

Owned By: ☐ City/County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City ☒ County WAKE COUNTY ☐ State

DESIGNER OF RECORD:

LEAD DESIGN PROFESSIONAL: DAVID R. POLSTON, ARCHITECT

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	<u>DAVID R. POLSTON ARCH.</u>	<u>DAVID R. POLSTON</u>	<u>3179</u>	<u>(919) 350-9900</u>	<u>polstona@polstonsouth.com</u>
Civil	<u>KIMLEY-HORN</u>	<u>CHRS BORTIC</u>	<u>692582</u>	<u>(919) 693-2971</u>	<u>cbortic@kimley-horn.com</u>
Electrical	<u>CBHF ENGINEERS, PLLC</u>	<u>R. DUNCAN MCARDYEN</u>	<u>8433</u>	<u>(919) 781-4000</u>	<u>rdm@cbhfelectricaleng.com</u>
Fire Alarm	<u>CBHF ENGINEERS, PLLC</u>	<u>R. DUNCAN MCARDYEN</u>	<u>8433</u>	<u>(919) 781-4000</u>	<u>rdm@cbhfelectricaleng.com</u>
Plumbing	<u>CBHF ENGINEERS, PLLC</u>	<u>CONNOR GREENE</u>	<u>695307</u>	<u>(919) 781-4000</u>	<u>cg@cbhfplumbingeng.com</u>
Mechanical	<u>CBHF ENGINEERS, PLLC</u>	<u>CONNOR GREENE</u>	<u>695307</u>	<u>(919) 781-4000</u>	<u>cg@cbhfplumbingeng.com</u>
Sprinkler-Standpipe	<u>DESIGN / BUILD BY SPRINKLER CONTRACTOR</u>				
Structural	<u>HAUSER-CREECH</u>	<u>THEODORE A. DETERO</u>	<u>648492</u>	<u>(919) 811-1978</u>	<u>ted@hauser-creech.com</u>
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		68238 SF.	
Mazanine			
Basement			
Total		68238 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): ASSEMBLY A-2, BUSINESS, STORAGE S-1 MODERATE

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 Separation _____ Hr. Exception: _____

☒ Non-Separated Use (508.3)

The required type of construction for the building shall be determined by applying the height and area limitations for each of the allowable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Separated Use (508.4) - See below for area calc.

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.

Actual Area of Occupancy A + Actual Area of Occupancy B
Allowable Area of Occupancy A Allowable Area of Occupancy B ≤ 1

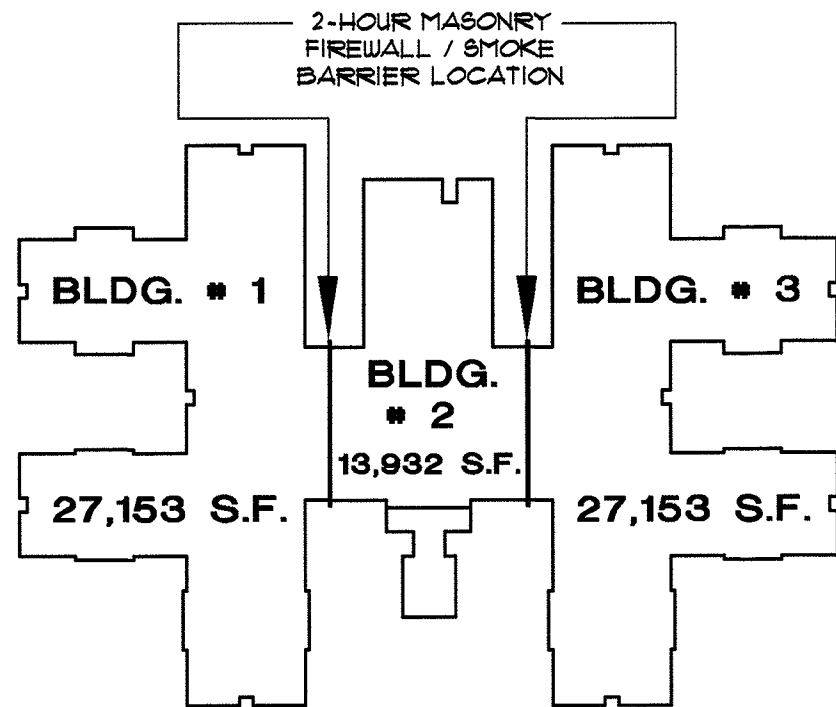
+ + = ≤ 1.00

NOTE: FACILITY IS DIVIDED W/ (4) 2 HOUR FIREWALLS - BUILDINGS 'A', 'B', AND 'C'

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	(C) AREA FOR FRONTAGE INCREASE	(D) ALLOWABLE AREA PER STORY OR UNLIMITED
BLDG. #1	1	1-2	27,153 SF.	38,000 SF.	NOT USED	38,000 SF.
BLDG. #2	1	1-2	13,932 SF.	38,000 SF.	NOT USED	38,000 SF.
BLDG. #3	1	1-2	27,153 SF.	38,000 SF.	NOT USED	38,000 SF.

- Frontage area increases from Section 506.3 are computed thus:
 - Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 - Total Building Perimeter
 - Ratio (F/P) = _____ (F/P)
 - W = Minimum width of public way = _____ (W)
 - Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 =$ _____ (%)
- Unlimited area applicable under conditions of Section 507.
- Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
- The maximum area of parking garages must comply with 406.5.4.
- Frontage increase is based on the unsprinklered area value in Table 506.2.



SQUARE FOOTAGE KEY

PROPOSED BUILDING AREA:

BUILDING #1 = 27,153 SF. IS LESS THAN 38,000 SF. ALLOWED

BUILDING #2 = 13,932 SF. IS LESS THAN 38,000 SF. ALLOWED

BUILDING #3 = 27,153 SF. IS LESS THAN 38,000 SF. ALLOWED

TOTAL BUILDING SF. = 68238 SF.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET (Table 504.3)	50'	28'-0"	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.	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'	I-HR	I-HR	DTL. # 2 / FS1	U-356		
North	> 30'	I-HR	I-HR	DTL. # 2 / FS1	U-356		
East	> 30'	I-HR	I-HR	DTL. # 2 / FS1	U-356		
West	> 30'	I-HR	I-HR	DTL. # 2 / FS1	U-356		
South	> 30'	I-HR	I-HR	DTL. # 2 / FS1	U-356		
Interior	N/A	I-HR	I-HR	DTL. # 4 / FS2	U-305		
Nonbearing walls and partitions							
Exterior walls							
North	N/A	I-HR	I-HR	DTL. # 2 / FS1	U-356		
East	N/A	I-HR	I-HR	DTL. # 2 / FS1	U-356		
West	N/A	I-HR	I-HR	DTL. # 2 / FS1	U-356		
South	N/A	I-HR	I-HR	DTL. # 2 / FS1	U-356		
Interior walls	N/A	0	-----	DTL. # 4 / FS2	U-305		
Floor construction including supporting beams and joists							
Floor Ceiling Assembly	N/A	I-HR	I-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	I-HR	I-HR	DTL. # 1 / FS1	RC-26-02		
Column Supporting Roof	N/A	I-HR	I-HR	DTL. # 1 / FS3	X-529		
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 Separation	N/A	0	-----	DTL. # 4 / FS2	U-305		
Occup./Fire Barrier Sep.	N/A	I-HR	I-HR	DTL. # 4 / FS2	U-305		
Party/Fire Wall Sep.	N/A	2-HR	2-HR	DTL. # 5 / FS3	U-301 / DTL. # 3 / FS1		
Smoke Barrier Sep.	N/A	I-HR	I-HR	DTL. # 4 / FS2	U-305		
Tenant/Dwelling Unit/ Sleeping Unit Separation	N/A	N/A	N/A	N/A	N/A		
Incidental Use Sep.	N/A	I-HR	I-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, 6	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)
- ☐ 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 separate schematic plan indicating where fire rated floor / ceiling and/or roof structure is provided for purposes of occupancy separation.
- ☐ 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	TYPE A UNITS PROVIDED	TYPE B UNITS REQ.	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
92	46	92	0	0	46	92	92

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/ 8' ACCESS AISLE	VAN SPACES WITH 132" AISLE	8' ACCESS AISLE		
FACILITY SPACES	60	92				4	4
TOTAL	60	92					4

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

CHSR CONSTRUCTION SECTION

ENERGY SUMMARY:

ENERGY REQUIREMENTS:

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

Existing building envelope complies 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: 0.21

R-Value of insulation: 48

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)

Description of assembly: FULL HEIGHT FACE BRICK WITH WOOD STUDS

U-Value of total assembly: 0.01

R-Value of insulation: 15

Openings (windows or doors w/ glazing)

U-Value of assembly: 30

Solar heat gain coefficient: 25

projection factor: N/A

Door R-Values: 21

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 Requirement: 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:

1 seismic 1.25

1 snow 1.10

LIVE LOADS:

ROOF 20 psf

CATWALK 40 psf

FLOOR 100 psf

SNOW LOAD:

P_s 15 psf

WIND LOAD:

Basic Wind Speed 120 MPH

Exposure Category C

Wind Base Shear (MWFRS) 80.2 K

V_p 121.1 K

SEISMIC LOAD:

Spectral Response 0.166

S_s 0.081

S_1 0.178

S_a 0.129

Seismic Design Category B

Seismic Site Class D (Default)

Structural System Light framed walls sheathed w/ structural panels

R-Factor 2.5

Analysis Procedure Equivalent Lateral Force

Seismic Base Shear 35.5 K

V_p 35.5 K

SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:

Per ASCE 7 Chapter 13 all non-structural components are exempt.

LATERAL DESIGN CONTROL:

X-Direction Wind

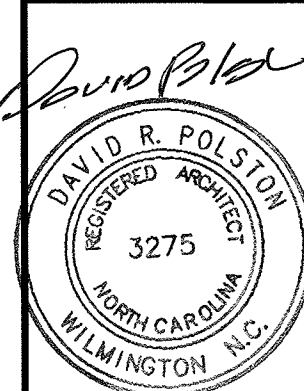
Y-Direction Wind

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



PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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

120 BED
NURSING FACILITY

1
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: PRINCIPLE HEALTH CARE - WAKE COUNTY - EXTERIOR STORAGE BUILDING
Address: 1836 RALPH STEPHENS ROAD - HOLLY SPRINGS, NC Zip Code: 27540
Owner/Authorized Agent: JON WHITE Phone: 919-428-1361 E-mail: jonwhite@outlook.com
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County WAKE COUNTY ☐ 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 (919) 350-8900 polston@principlehealthcare.com
Civil KIMLEY-HORN CHRIS BOSTIC 632582 (919) 653-7971 chris.bostic@kimley-horn.com
Electrical CBHF ENGINEERS, PLLC R. DUNCAN MCARDYEN 8433 (919) 781-4000 dmc@cbhfengineers.com
Fire Alarm N/A N/A N/A N/A N/A
Plumbing N/A N/A N/A N/A N/A
Mechanical CBHF ENGINEERS, PLLC CONNOR GREENE 695307 (919) 781-4000 cgreene@cbhfengineers.com
Sprinkler-Standpipe N/A N/A N/A N/A N/A
Structural HAUSER-CREECH THEODORE A. DETERES 648492 (919) 817-7575 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		932 S.F.	
Mezanine			
Basement			
Total		932 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 Separation _____ Hr. Exception: _____

- ☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
- ☐ Separated Use (508.4) - See below for area rules.
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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$+ + + + + = \leq 1.00$$

STORY NO.	DESCR. AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE 1.5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED 2.5
1	S-2	932 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 public 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 $I_f = 100 \left[\frac{F}{P} - 0.25 \right] \times W / 30 =$ _____ (%)
- 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		DETAIL NO. AND SHEET NO.	DESIGN NO. FOR RATED ASSEMBLY	DESIGN NO. FOR RATED PENETRATION	DESIGN NO. FOR RATED JOINTS
		REQ'D.	PROVIDED (W/REDUCTION)				
Structural frame, including columns, girders, and trusses							
Bearing walls							
Exterior	> 30'	0	0	* 3102 / A-31	N/A		
North	> 30'	0	0	* 3102 / A-31	N/A		
East	> 30'	0	0	* 3102 / A-31	N/A		
West	> 30'	0	0	* 3102 / A-31	N/A		
South	> 30'	0	0	* 3102 / A-31	N/A		
Interior	N/A	0	0	N/A	N/A		
Nonbearing walls and partitions							
Exterior walls							
North	N/A	0	0	* 3102 / A-31	N/A		
East	N/A	0	0	* 3102 / A-31	N/A		
West	N/A	0	0	* 3102 / A-31	N/A		
South	N/A	0	0	* 3102 / A-31	N/A		
Interior walls	N/A	0	0	* 3101 / A-31	N/A		
Floor construction including supporting beams and joists							
Floor Ceiling Assembly	N/A	0	0	* 3102 / A-31	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	0	0	N/A	N/A		
Column Supporting Roof	N/A	N/A	N/A	N/A	N/A		
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 Separation	N/A	N/A	N/A	N/A	N/A		
Occup./Fire Barrier Sep.	N/A	N/A	N/A	N/A	N/A		
Party/Fire Wall Sep.	N/A	N/A	N/A	N/A	N/A		
Smoke Barrier Sep.	N/A	N/A	N/A	N/A	N/A		
Tenant/Dwelling Unit/ Sleeping Unit Separation	N/A	N/A	N/A	N/A	N/A		
Incidental Use Sep.	N/A	N/A	N/A	N/A	N/A		

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, NS	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 accommodate based on egress width (1005.3)
☐ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor / ceiling and/or roof structure is provided for purposes of occupancy separation.
☐ 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/2)		NO. OF ACCESSIBLE SPACES PROVIDED			TOTAL ACCESS. PROVIDED
	REQUIRED	PROVIDED	REGULAR W/ 5' ACCESS AISLE	VAN SPACES WITH 132" AISLE	8' ACCESS AISLE	
FACILITY SPACES	SEE SHEET T-2 FOR FACILITY PARKING					
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

SPACE	USE	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REG.	ACCESS.
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 REQUIREMENTS:

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

Existing building envelope complies 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: 0.21

R-Value of insulation: 48

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) BRICK VENEER, WOOD STUDS WITH GWB ON INTERIOR SIDE/

Description of assembly: O.S.B. ON EXTERIOR SIDE OF STUDS

U-Value of total assembly: 0.21

R-Value of insulation: 19

Openings (windows or doors w/ glazing)

U-Value of assembly: 0.30

Solar heat gain coefficient: 0.29

projection factor: N/A

Door R-Values: 21

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: 0

Horizontal/Vertical Requirement: 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:
1 seismic 1.25
1 snow 1.10
LIVE LOADS:
ROOF 20 psf
CATWALK 40 psf
FLOOR 100 psf
SNOW LOAD:
Flat 15 psf
WIND LOAD:
Basic Wind Speed 120 MPH
Exposure Category C
Wind Base Shear (MWFRS)
V_z 80.2 K
V_z 21.1 K
SEISMIC LOAD:
Spectral Response
S₀ 0.166
S₁ 0.081
S₂ 0.178
S₃ 0.129
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
V_u 35.5 K
V_u 35.5 K

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

LATERAL DESIGN CONTROL:

X-Direction _____ Wind

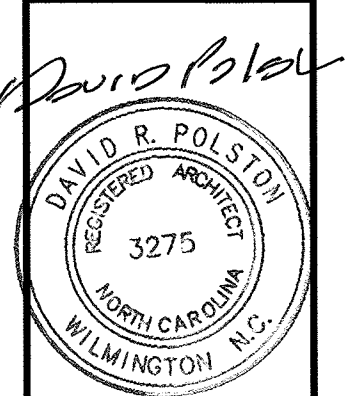
Y-Direction _____ Wind

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



PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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

120 BED
NURSING FACILITY

1
3

A. OCCUPANCY:

PRIMARY: 1-2 (120 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:

- FLOORS - 4" CONCRETE SLAB ON GRADE.
- EXTERIOR WALLS - 2" X 8" WOOD STUDS W/ 5/8" F.G. G.W.B. ON INSIDE OF STUDS W/ 1/4" O.S.B. ON EXTERIOR SIDE. UL ASSEMBLY U-386 1-HR. RATED
- INTERIOR BEARING WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GUB ON EACH SIDE. UL ASSEMBLY U-305 1-HR. RATED
- INTERIOR NON-BEARING WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GUB ON EACH SIDE. UL ASSEMBLY U-305 1-HR. RATED
- FIRE BARRIER WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GUB ON EACH SIDE. UL ASSEMBLY U-305 1-HR. RATED

C. CONSTRUCTION DESCRIPTIONS (CONTINUED):

- SMOKE BARRIER WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE GUB ON EACH SIDE. UL ASSEMBLY U-305 1-HR. RATED
- 2-HR. MASONRY FIREWALL / SMOKE BARRIER - 12" 15% SOLID CMU. UL ASSEMBLY U-501 2-HR. RATED
- CANOPY / PORCH COLUMNS - DOUBLE LAYER 5/8" FIRECODE GUB WRAP / UL ASSEMBLY X-528 1-HR. RATED
- CANOPY / PORCH BEAMS - DOUBLE LAYER 5/8" FIRECODE GUB WRAP / UL BEAM ASSEMBLY N-502 1-HR. RATED
- INTERIOR COLUMNS - DOUBLE LAYER 5/8" FIRECODE GUB WRAP / UL ASSEMBLY X-528 1-HR. RATED
- INTERIOR BEAMS - DOUBLE LAYER 5/8" FIRECODE GUB WRAP / UL BEAM ASSEMBLY N-502 1-HR. RATED
- CEILING - MANUFACTURED WOOD TRUSSES W/ PLYWOOD DECK AND FIBERGLASS CLASS 'A' SHINGLES / FIRE PROTECTION TO BE TWO LAYERS 5/8" FIRECODE GUB CEILING THROUGH-OUT / CEILING HUNG REGISTER OPENINGS TO BE PROTECTED W/UL RADIATION DAMPERS / GYPSUM ASSOCIATION RC 2602 - 1-HR. RATED

D. ALLOWABLE AREA: (TABLE 506.2)

1-2 (V A): 38,000 SF. (SPRINKLED, 1-STORY)
A-2 (V A): 46,000 SF. (SPRINKLED, 1-STORY)
B (V A): 12,000 SF. (SPRINKLED, 1-STORY)
S-1 (V A): 56,000 SF. (SPRINKLED, 1-STORY)

E. PROPOSED BUILDING AREA:

BUILDING # 1 = 27,153 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING # 2 = 13,932 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING # 3 = 27,153 SF. IS LESS THAN 38,000 SF. ALLOWED

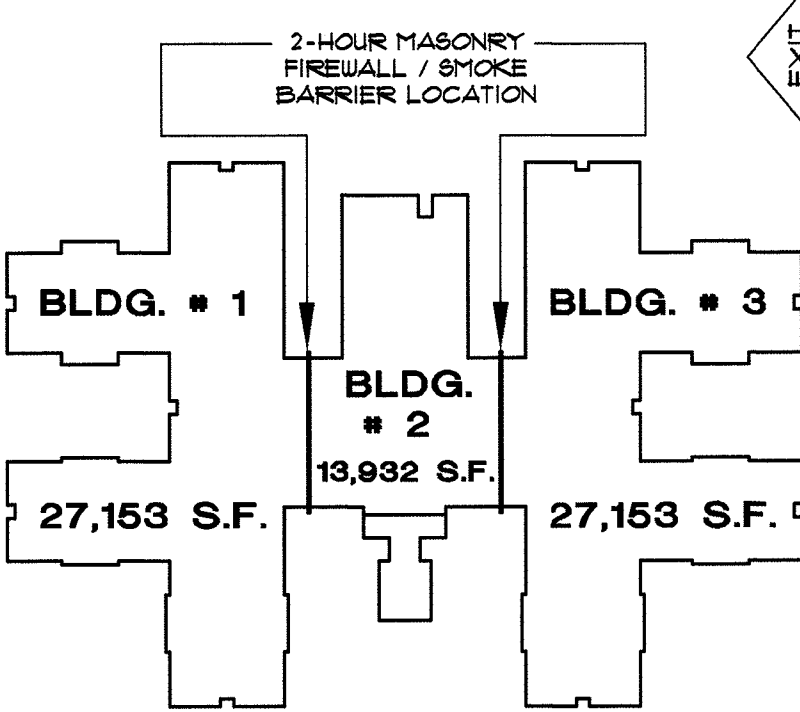
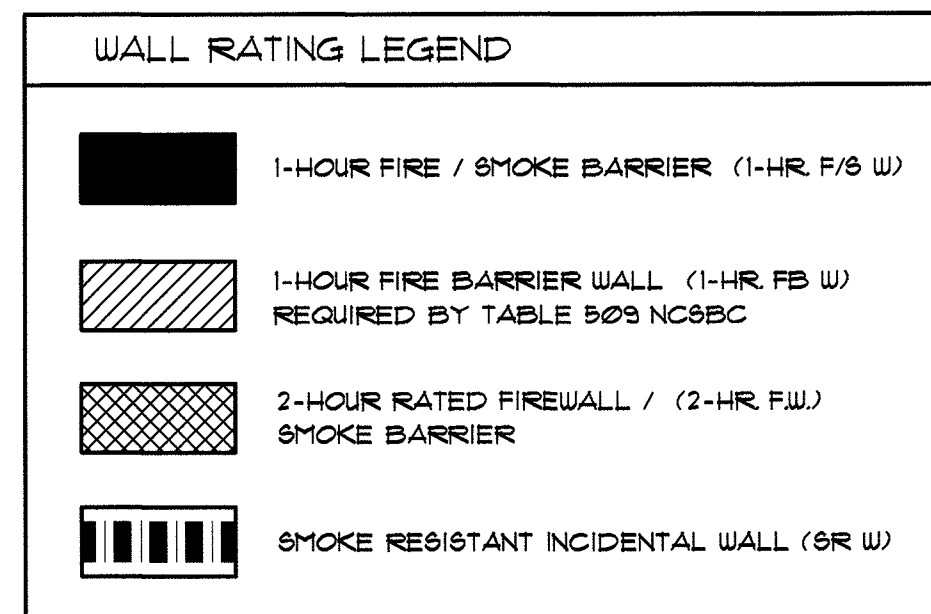
TOTAL BUILDING SF. = 68,238 SF.

F. SPECIAL OCCUPANCY REQUIREMENTS (CHAPTER 4) - 401 GROUP 1-2

- CORRIDOR WALLS ARE NON-RATED AND CONSTRUCTED TO FORM A BARRIER TO LIMIT THE TRANSFER OF SMOKE (DETAIL # 2503) (401.3) IN ACCORDANCE W/ SECTION 110
- THE BUILDING IS SUB-DIVIDED INTO SMOKE COMPARTMENTS WHICH DO NOT EXCEED 22,500 SF. / HAVE TRAVEL DISTANCES WHICH DO NOT EXCEED 200 FEET AND PROVIDE 30 NET SQUARE FEET OF REFUSE ON EA. SIDE OF ADJACENT COMP. (DETAILS # 2502 (1-HR.) & # 2501 (2-HR.)) (401.5)
- THE BUILDING IS PROTECTED THROUGH-OUT WITH AN NFPA-13 AUTOMATIC SPRINKLER SYSTEM AND QUICK RESPONSE HEADS (401.6)
- THE BUILDING IS PROTECTED THROUGH-OUT WITH AN NFPA 72 SMOKE DETECTION / NOTIFICATION AUTOMATIC FIRE ALARM SYSTEM (401.7 AND 401.8)
- ALL MAGNETIC LOCKED EXTERIOR DOORS TO COMPLY WITH NC88C 401.12 SPECIAL LOCKING ARRANGEMENT FOR LICENSED GROUP 1-2.

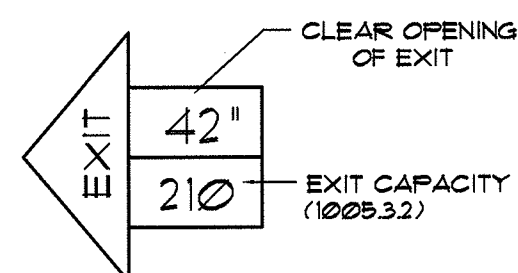
J. MEANS OF EGRESS (CHAPTER 10)

- OCCUPANCY LOAD ALLOWANCES (TABLE 1004.12)
A. A-2 (WITH-OUT FIXED SEATS) 15 SF. NET (TABLE / CHAIRS)
B. B (OFFICES) 100 SF. GROSS
C. 1-2
1. OUTPATIENT AREA: NOT APPLICABLE
2. SLEEPING AREAS: 120 GROSS
3. INPATIENT TREATMENT AREAS: 240 GROSS
D. S-1 300 SF. GROSS (ACCESSORY STORAGE)
- EGRESS WIDTH PER OCCUPANT (TABLE 1005.3.2)
A. 1-2: 0.20' FOR LEVEL AND SPRINKLED
B. THERE ARE NO STAIRWAYS
- EXIT SIGNS (1013)
EXIT SIGNS PROVIDED AS REQUIRED AND ARE POWERED BY THE EMERGENCY ELECTRICAL GENERATOR
- EGRESS ILLUMINATION (1009)
EGRESS ILLUMINATION PROVIDED AS REQUIRED AND ARE POWERED BY THE EMERGENCY ELECTRICAL GENERATOR
- EGRESS DOOR SIZES (1010.1)
ALL EGRESS DOORS ARE 3'-8" WIDE AND 7'-0" HIGH FOR 1-2 OCCUPANCY (MOST STRINGENT 1/6'-8" IS REQUIRED).
- PANIC AND FIRE EXIT HARDWARE (1010.10)
ALL EGRESS DOORS ARE SPECIFIED TO HAVE PANIC HARDWARE TO COMPLY WITH A-2 REQUIREMENT.
- NUMBER OF EXITS (1006.1)
A. ALL AREAS HAVE TWO MEANS OF EGRESS.
B. PHYSICAL THERAPY # 31 EXCEEDS 150 SF. THEREFORE, TWO EXITS ARE PROVIDED FROM THESE ROOMS.
C. ALL RESIDENT ROOMS OPEN TO THE CORRIDOR.



SQUARE FOOTAGE KEY

SMOKE COMPARTMENT "B"
4,495 SF.



EXIT LOCATION DESIGNATION

G. FIRE RESISTANT RATED CONSTRUCTION (CHAPTER 7)

- EXTERIOR WALLS (DETAIL # 2603 TYPICAL)
A. PERIMETER OPENINGS ALL EXCEED 30 FEET TO PROPERTY LINE - NO LIMIT ON UNPROTECTED OPENINGS PER TABLE 1005.6
- FIREWALLS (1006)
A. FIREWALL CONSTRUCTION IS A 2-HOUR ASSEMBLY (DETAIL # 2501) (TABLE 1006.4 NOTE a)
B. FIREWALL TO EXTEND FROM FINISHED FLOOR TO 3'-0" ABOVE ROOF DECK AND 3'-0" BEYOND OUTSIDE WALL.
- FIRE BARRIERS (1011)
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.
- SMOKE BARRIERS (109)
A. SMOKE BARRIERS ARE 1-HOUR ASSEMBLIES.
B. SMOKE BARRIERS EXTEND FROM OUTSIDE WALL TO OUTSIDE WALL AND FLOOR SLAB TO ROOF DECK (DETAILS # 2502, # 2101, AND 2102)
- OPENING PROTECTION (TABLE 106.5)
A. TWO HOUR FIREWALLS: 1 1/2-HOUR RATED DOORS
B. ONE-HOUR FIRE BARRIERS: 3/4-HOUR RATED DOORS
C. ONE-HOUR SMOKE BARRIERS: 20 MINUTE RATED DOORS.
- DRAFTSTOPPING:
ATTIC DRAFTSTOPPING IS NOT REQUIRED SINCE BUILDING IS PROTECTED WITH A NFPA 13 SPRINKLER SYSTEM IN ATTIC. (118.4.3 EXCEPTION))

LIFE SAFETY PLAN KEY:

⊙ TYPICAL EXIT LIGHT

⊞ DOOR W/ PANIC HARDWARE

SMOKE COMPARTMENT "A"
17,925 SF.

CANOPY / PORCH SQUARE
FOOTAGE AT 50%
846 SF.

H. INTERIOR FINISHES (CHAPTER 8)

- WALL AND CEILING FINISHES (803)
ALL INTERIOR WALL AND CEILING FINISHES ARE SPECIFIED TO BE CLASS 'A' OR 'B' WHICH EXCEEDS TABLE 803.1 REQUIREMENTS FOR OCCUPANCY TYPES 1-2, A-2, B, AND S-1 WITHIN SPRINKLED BUILDINGS.
- INTERIOR FLOOR FINISHES (804)
ALL INTERIOR FLOOR FINISHES ARE SPECIFIED TO BE CLASS 1 OR II WHICH EXCEEDS 804.4.2, (EXCEPTION) FOR OCCUPANCY TYPES 1-2, A-2, B, AND S-1 WITHIN SPRINKLED BUILDINGS.

LS101

FLOOR PLAN
SCALE: 1/16" = 1'-0"

GENERAL LIFE SAFETY
REQUIREMENTS

SMOKE COMPARTMENT "E"
17,925 SF.

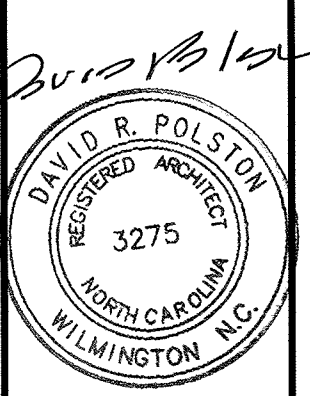
SMOKE COMPARTMENT "F"
4,733 SF.

SMOKE COMPARTMENT "G"
4,495 SF.

- EXIT ACCESS TRAVEL DISTANCE (TABLE 1012)
A. A-2: 250 FEET WITH SPRINKLERS
B. B: 300 FEET WITH SPRINKLERS
C. S-1: 250 FEET WITH SPRINKLERS
D. 1-2: 200 FEET WITH SPRINKLERS
E. 1-2: MORE STRINGENT AND USED
- CORRIDORS (1020)
A. WIDTHS (TABLE 1020.2): 36 INCHES PROVIDED FOR 1-2 WHICH IS THE MOST STRINGENT.
- DEAD END CORRIDORS (1020.4)
NO DEAD END CORRIDORS ARE PROVIDED.
- CORRIDOR FIRE RESISTANCE RATINGS:
A. A-2: 0-HOURS WITH SPRINKLERS
B. B: 0-HOURS WITH SPRINKLERS
C. 1-2: 0-HOURS WITH SPRINKLERS
D. S-1: 0 HOURS WITH SPRINKLERS

I. FIRE PROTECTION SYSTEM (CHAPTER 9)

- AUTOMATIC SPRINKLER SYSTEM (903)
THE BUILDING IS PROTECTED THROUGH-OUT WITH AN NFPA-13 AUTOMATIC SPRINKLER SYSTEM.
- ALTERNATE FIRE-EXTINGUISHING SYSTEM (904)
THE COMMERCIAL COOKING HOOD IS PROTECTED WITH AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM IN COMPLIANCE WITH NFPA 96 AND NFPA 11 OR 17A.
- PORTABLE FIRE EXTINGUISHERS
PORTABLE FIRE EXTINGUISHERS ARE LOCATED THROUGH-OUT THE FACILITY AS REQUIRED BY NFPA 10 AND 15C. (906)
- FIRE ALARM / DETECTION SYSTEM (901)
THE BUILDING IS PROTECTED THROUGH-OUT WITH AN AUTOMATIC FIRE DETECTION / ALARM SYSTEM WHICH COMPLIES WITH NFPA12.



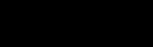
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WAKE COUNTY
Holly Springs, North Carolina

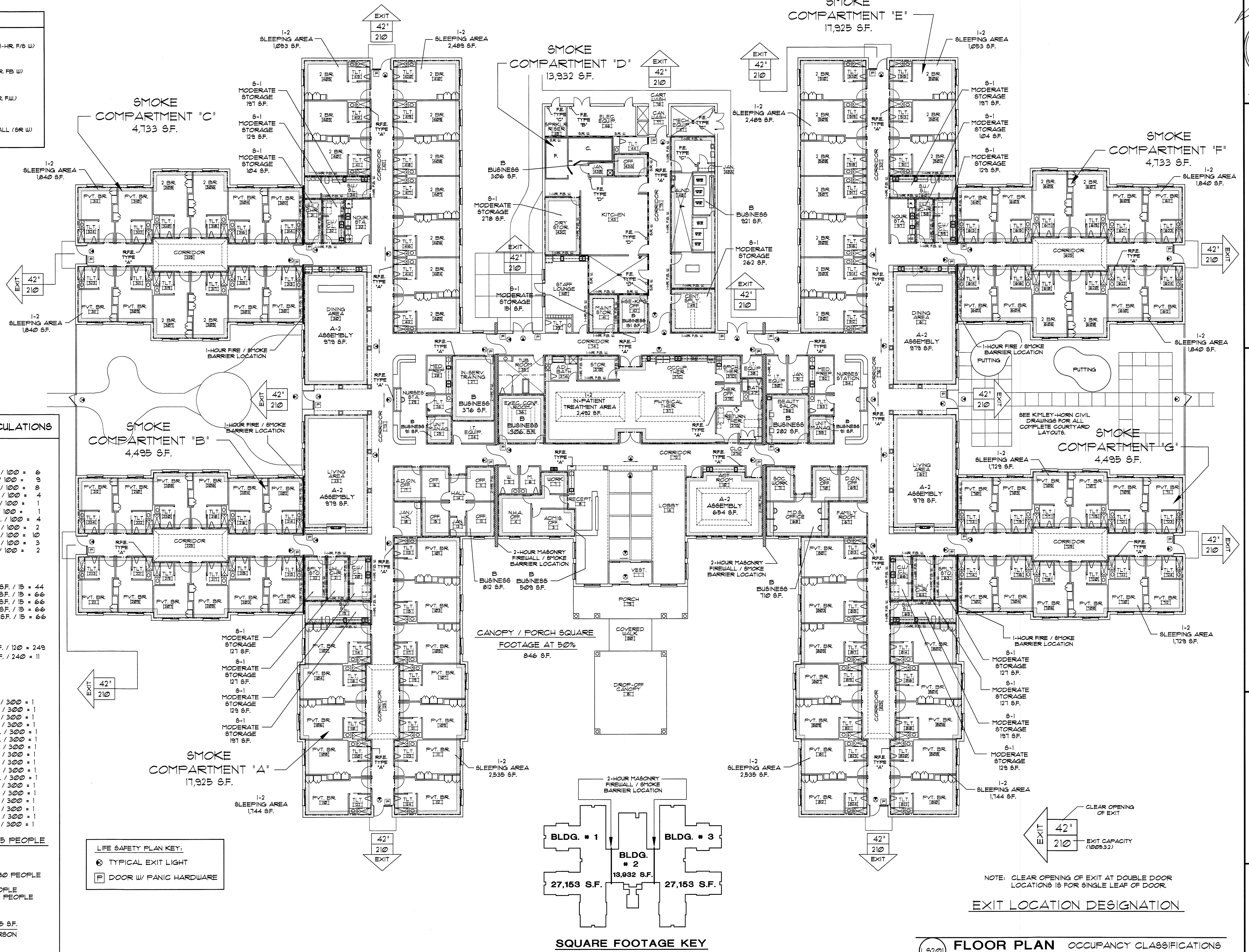
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LS
1

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 503 NC95C
	2-HOUR RATED FIREWALL / (2-HR. FW) SMOKE BARRIER
	SMOKE RESISTANT INCIDENTAL WALL (SR W)

OCCUPANCY / EGRESS CALCULATIONS	
A. BUSINESS OCCUPANCY (B):	
OFFICE GROUP ONE -	509 SF. / 100 = 6
OFFICE GROUP TWO -	812 SF. / 100 = 9
OFFICE GROUP THREE -	710 SF. / 100 = 8
IN-SERV. TRAING. * 21 -	316 SF. / 100 = 4
UNIT MANAGER * 25 -	91 SF. / 100 = 1
UNIT MANAGER * 55 -	91 SF. / 100 = 1
EXEC. CONF. * 36 -	306 SF. / 100 = 4
OFFICE * 43A -	101 SF. / 100 = 2
LAUNDRY * 48 -	921 SF. / 100 = 10
BEAUTY SALON * 56 -	282 SF. / 100 = 3
HSE-KPG. OFF * 42 -	151 SF. / 100 = 2
B. ASSEMBLY (A-2):	
ACTIVITIES ROOM * 10 -	654 SF. / 15 = 44
LIVING AREA * 23 -	919 SF. / 15 = 66
DINING AREA * 30 -	919 SF. / 15 = 66
DINING AREA * 61 -	919 SF. / 15 = 66
C. INSTITUTIONAL (I-2):	
SLEEPING AREAS:	29,910 SF. / 120 = 249
IN-PATIENT TREATMENT AREA	2,492 SF. / 240 = 11
D. MODERATE STORAGE (S-1):	
SU/CL. * 19 -	191 SF. / 300 = 1
CU/CL. * 20 -	129 SF. / 300 = 1
WHL.-CHR. STOR. * 21 -	121 SF. / 300 = 1
SUPPLY STOR. * 22 -	121 SF. / 300 = 1
WHL.-CHR. STOR. * 31 -	104 SF. / 300 = 1
CU/CL. * 32 -	129 SF. / 300 = 1
SU/CL. * 34 -	191 SF. / 300 = 1
MAINT. STOR. * 41 -	151 SF. / 300 = 1
DRY STOR. * 43C -	210 SF. / 300 = 1
CENT. SUPPLY * 49 -	262 SF. / 300 = 1
WHL.-CHR. STOR. * 58 -	124 SF. / 300 = 1
CU/CL. * 59 -	191 SF. / 300 = 1
SU/CL. * 60 -	191 SF. / 300 = 1
SU/CL. * 65 -	191 SF. / 300 = 1
SUPPLY STOR. * 63 -	121 SF. / 300 = 1
WHL.-CHR. STOR. * 64 -	121 SF. / 300 = 1
CU/CL. * 66 -	129 SF. / 300 = 1
TOTAL OCCUPANCY LOAD: 635 PEOPLE	
E. EGRESS CAPACITY:	
1. CORRIDORS: 96' WIDE / 02' = 480 PEOPLE	
2. EXITS PROVIDED: 13	
3. EXIT WIDTHS: 42' / 02' = 210 PEOPLE	
4. EXIT CAPACITY: 210 X 13 = 2,730 PEOPLE	
F. RESIDENTIAL STORAGE:	
EXTERIOR STORAGE BUILDING - 605 SF.	
605 SF. / 120 = 5.03 SF. PER PERSON	



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2015.02.22

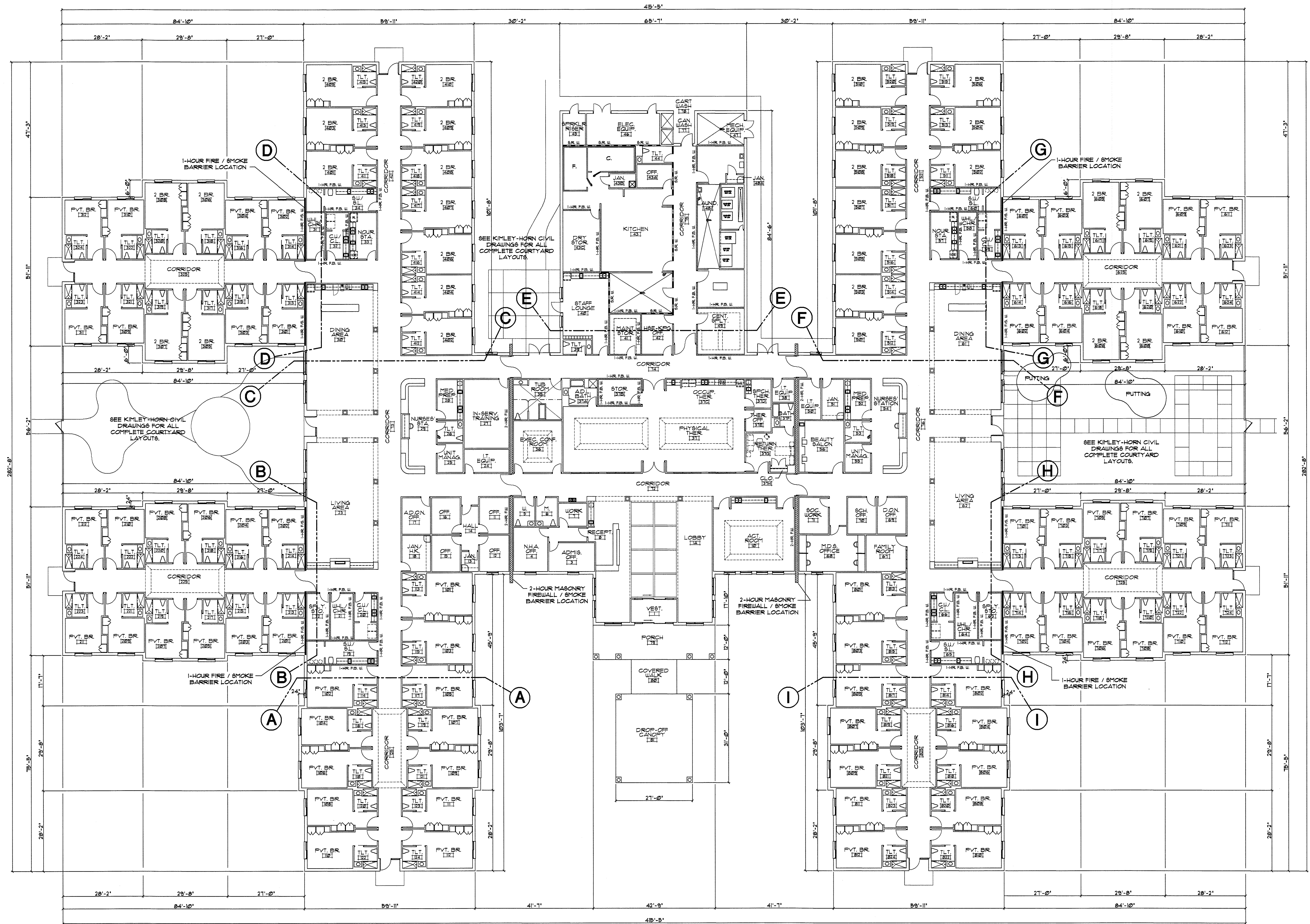
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Holly Springs, North Carolina

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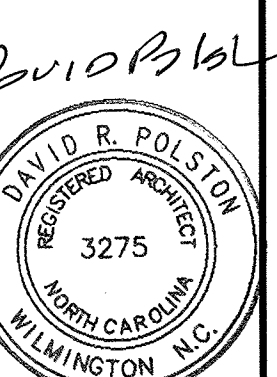
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FLOOR PLAN
SCALE: 1/16" = 1'-0"
OCCUPANCY CLASSIFICATIONS
AND EGRESS LOADS



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 503 NCBC		SMOKE RESISTANT INCIDENTAL WALL (SR W)

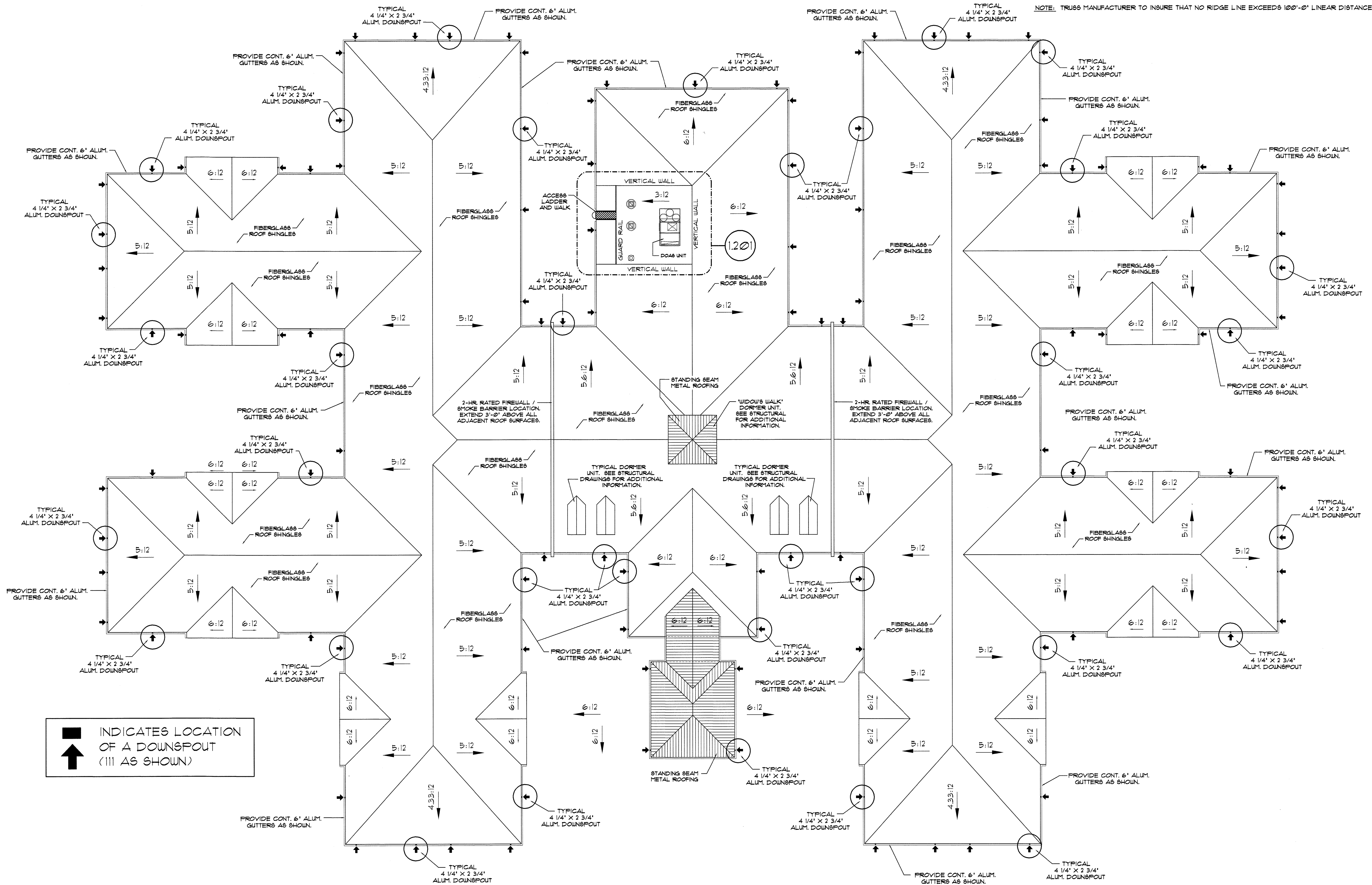


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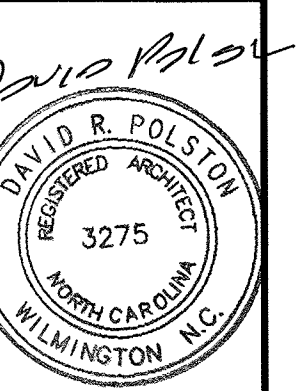
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GUTTER AND DOWNSPOUTS NOTES:

- CONTRACTOR TO COORDINATE ALL CONDENSATION PIPING TO EXIT EXTERIOR WALL BEHIND DOWNSPOUT PIPING AND DIRECTLY INTO DOWNSPOUTS.
- SEE SITE PLANS FOR LOCATIONS OF DOWNSPOUTS PIPED TO YARD INLETS.
- DOWNSPOUTS AT PORCH AND CANOPY LOCATIONS ARE TO BE PIPED DOWN THE SIDE OF COLUMNS WHEN POSSIBLE.
- COVER BRICK EXPANSION JOINTS WITH DOWNSPOUTS WHEN POSSIBLE.
- DOWNSPOUTS SHOWN ARE APPROXIMATE LOCATIONS. COORDINATE PLACEMENT WITH ADJACENT ARCHITECTURAL DETAILS AND MECHANICAL EQUIPMENT.
- DOWNSPOUTS NOT PIPED TO YARD INLETS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS WILL NOT BE ACCEPTED.

(1.10) **ROOF PLAN** COMPOSITE ROOF PLAN
SCALE: 1/16" = 1'-0"



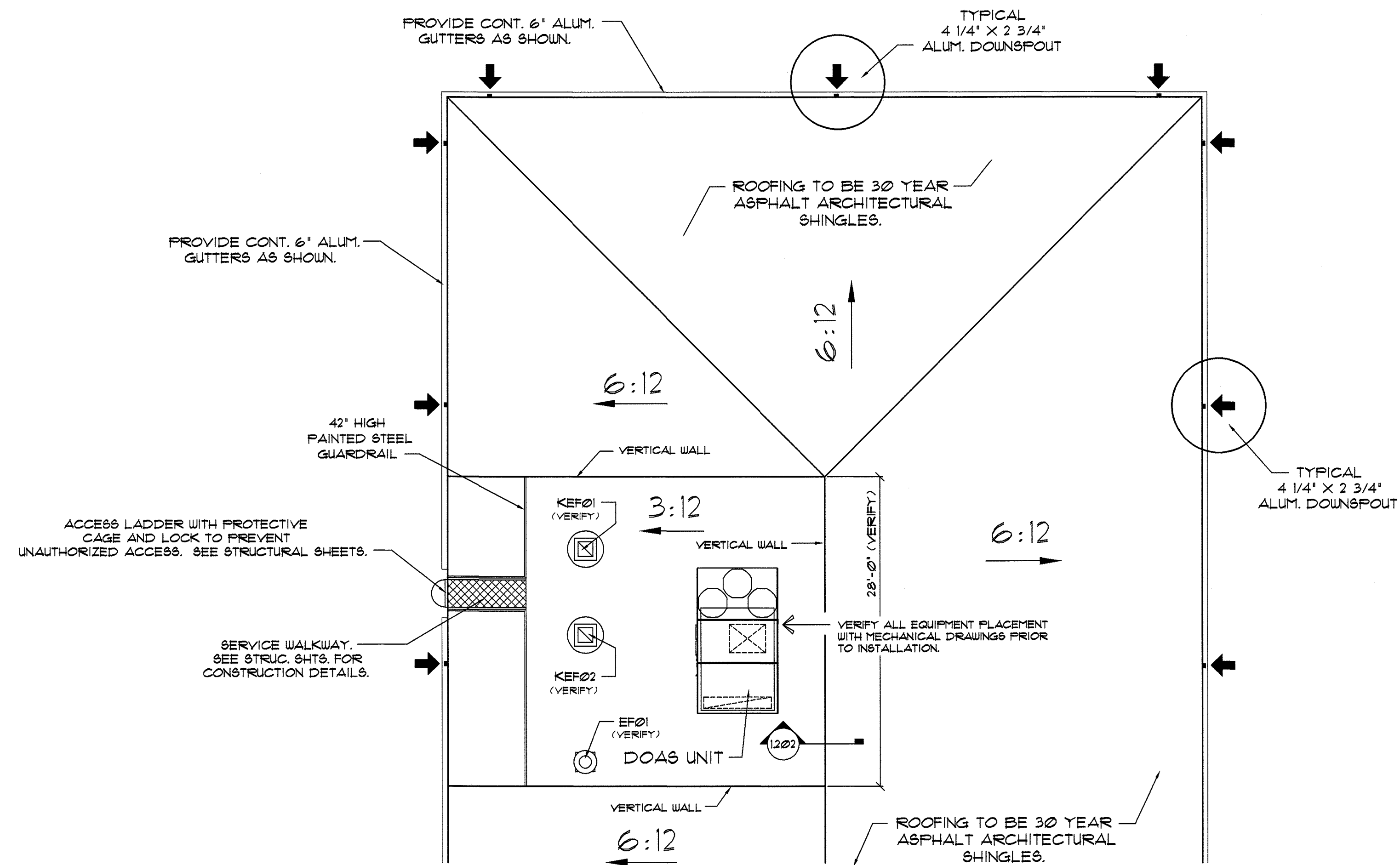
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Holly Springs, North Carolina

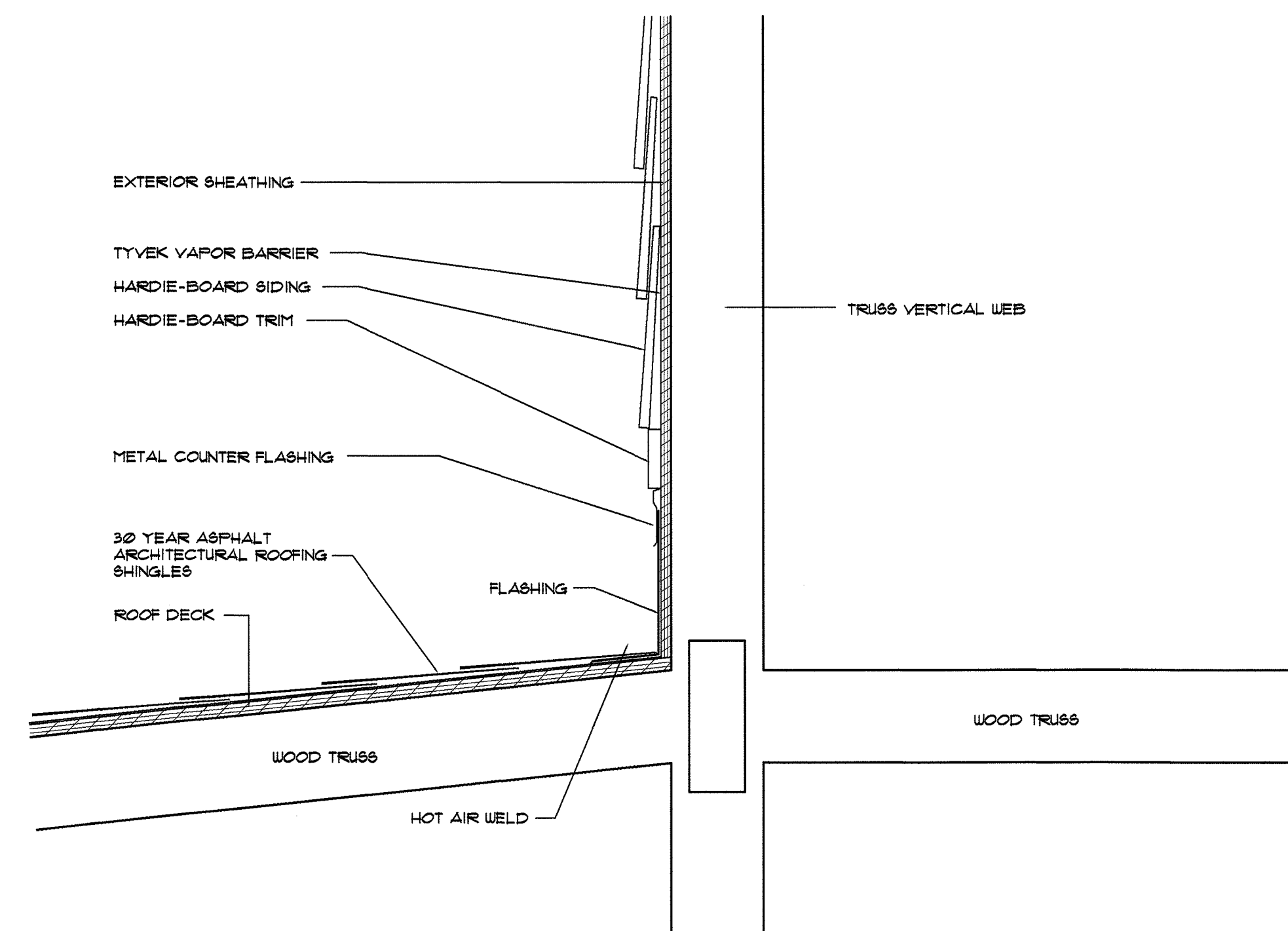
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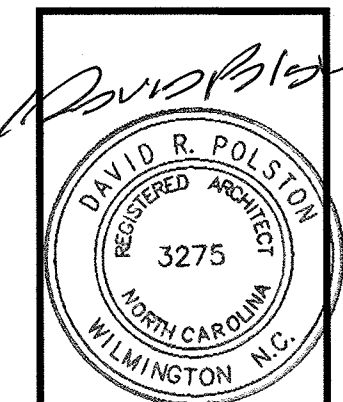
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1.1**



1.201 FLOOR PLAN PARTIAL ROOF PLAN - DOAS UNIT AT KITCHEN
SCALE: 1/8" = 1'-0"



1.202 SECTION DOAS UNIT PLATFORM DETAIL
SCALE: N.T.S.



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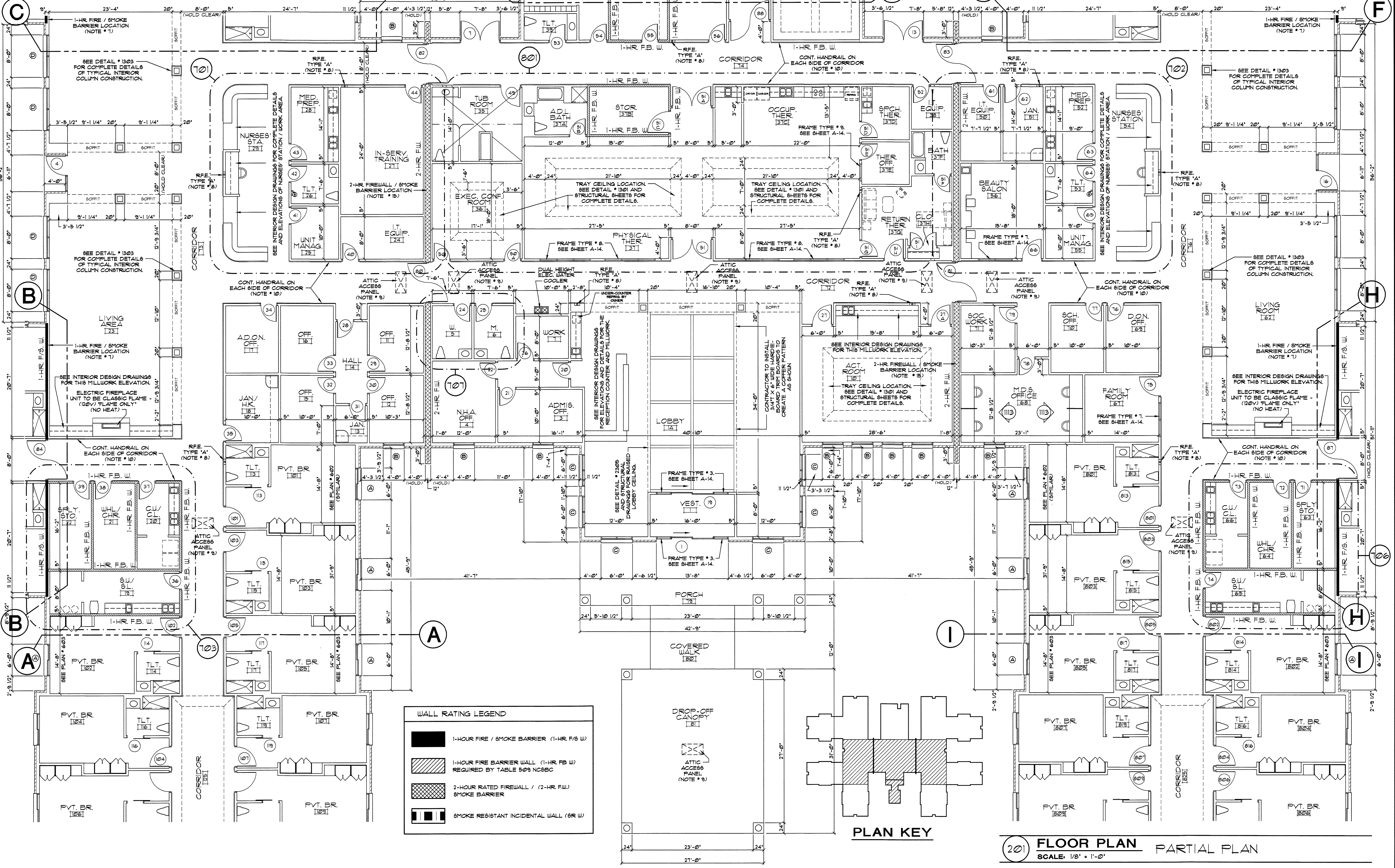
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A
1.2

GENERAL FLOOR PLAN NOTES:

- 5/8" TYPE 'X' G.I.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS, TUB ROOMS, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE 'XP' MUST BE USED.
- 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. VERIFY STUD DESCRIPTIONS W/ STRUCTURAL DRAWINGS.
- ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
- PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS AND RECESSED MECHANICAL EQUIPMENT (COORDINATE WITH ELEC. DUGS.).
- LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.I.B. TO INSURE 1-HOUR RATING OF RATED PARTITIONS.
- GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, TV, MOUNTING BRACKETS, AND ETC.
- ALL 1-HOUR FIRE / SMOKE BARRIERS (1-HR. F/S W) TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL * 2502 FOR CONSTRUCTION OF THESE BARRIERS BEARING LOCATIONS.
- PROVIDE 50# RECESSED FIRE EXTINGUISHERS (RFE) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:
TYPE 'A' - 10#; 4A 60 B/C (RECESSED)
TYPE 'B' - 20#; 60 B/C (NOT RECESSED)
TYPE 'C' - 10#; 4A 60 B/C (NOT RECESSED)
TYPE 'D' - 2A10B/C (NOT RECESSED)
- PROVIDE 24" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIS FRD. SERIES 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.I.B. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATIONS OF ATTIC HVAC UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING.
- CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IN-FRAME SERIES 3100. WALL GUARD TO BE IFD GUARD - MODEL # 1609. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL * 1304 FOR INSTALLATION.
- CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION. ALL WALL THICKNESS DIMENSIONS ARE NOMINAL.
- PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
- ALL JANITOR'S ROOMS TO HAVE (2) 18" VINYL COVERED WIRE SHELVES. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (UNO).
- PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION. PROVIDE WALL EXPANSION JOINTS AT DOOR JAMBES @ 20'-0" O.C.
- 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. FW) TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL * 2501 FOR CONSTRUCTION OF THESE FIREWALLS / SMOKE BARRIERS.
- CONTRACTOR TO SLOPE FLOOR OF TUB ROOM # 35, MECHANICAL EQUIPMENT # 47, AND LAUNDRY # 48. SEE FLOORING PLANS FOR FLOOR DRAINS FOR KITCHEN # 43. SLOPE FLOOR OF THESE ROOMS TO PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. ALSO, SLOPE FLOOR IN PATIENT TOILET ROOM SHOWER AS SHOWN ON THE PLANS FOR POSITIVE DRAINAGE. RECESS SHOWER FLOOR SLABS AS REQUIRED TO PROVIDE THIS COMPLETE POSITIVE DRAINAGE TO SHOWER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOWER RECESSED SLAB DETAILS.
- INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE UNRAPIED WITH TWO LAYERS OF 5/8" FIRECODE G.I.B. UL BEAT ASSEMBLY N-92. 1-HOUR RATED. SEE SECTION * 2106 FOR DESCRIPTION OF TYPICAL.
- INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO UNRAPIED WITH TWO LAYERS OF 5/8" FIRECODE G.I.B. UL ASSEMBLY X-52. 1-HOUR RATED. SEE SECTION * 2106 FOR DESCRIPTION OF TYPICAL.
- ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.



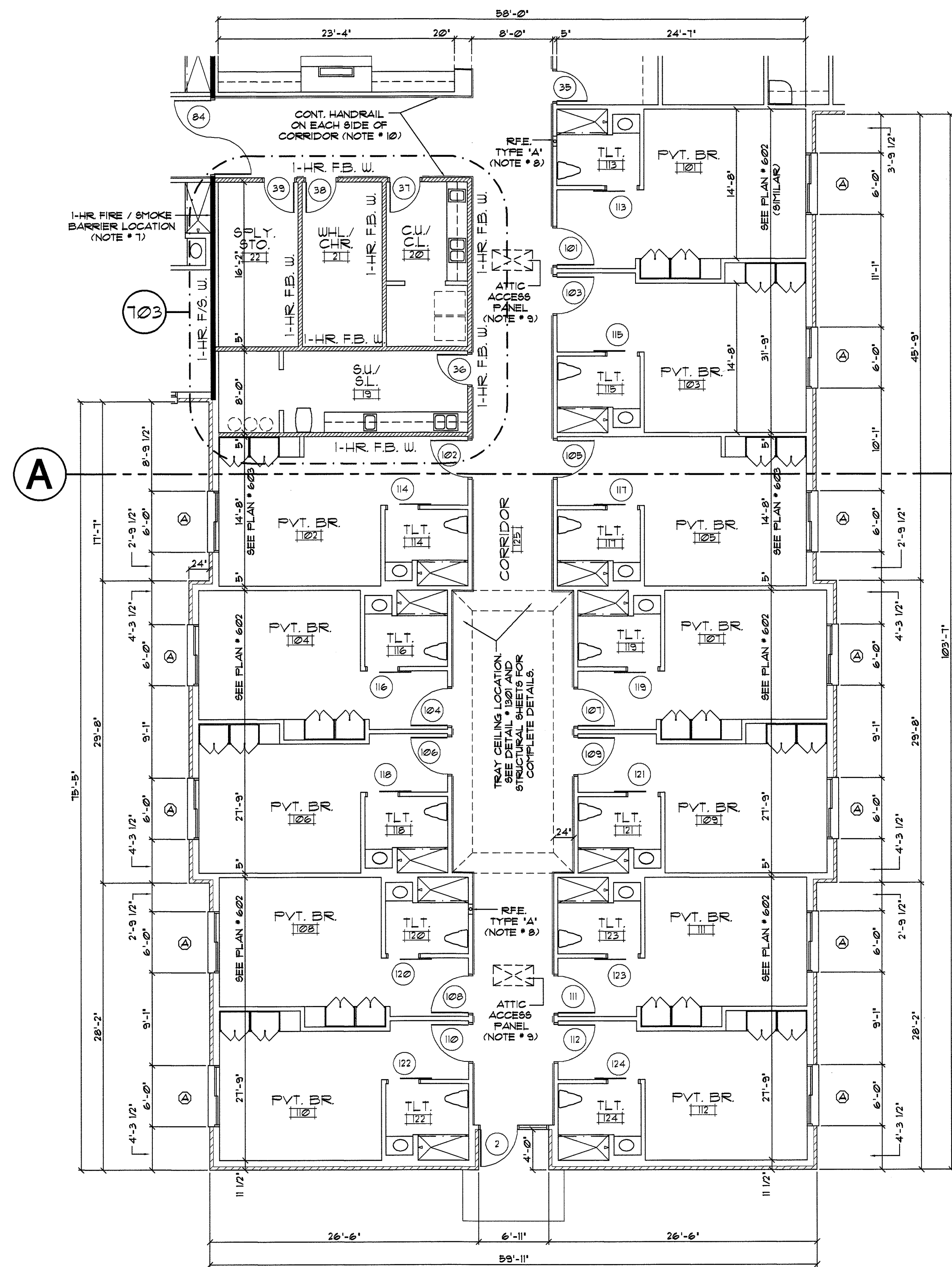
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A2

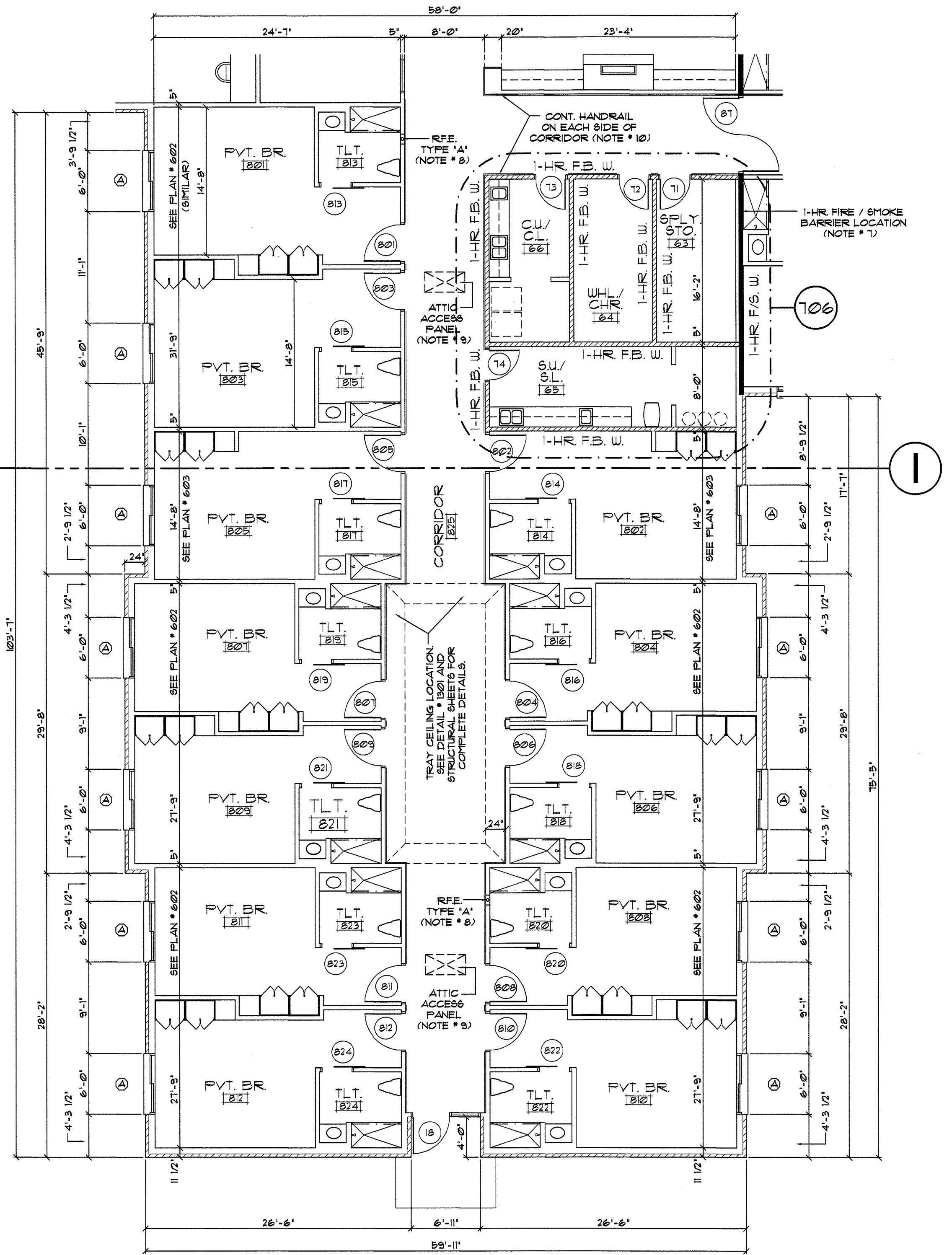
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Holly Springs, North Carolina

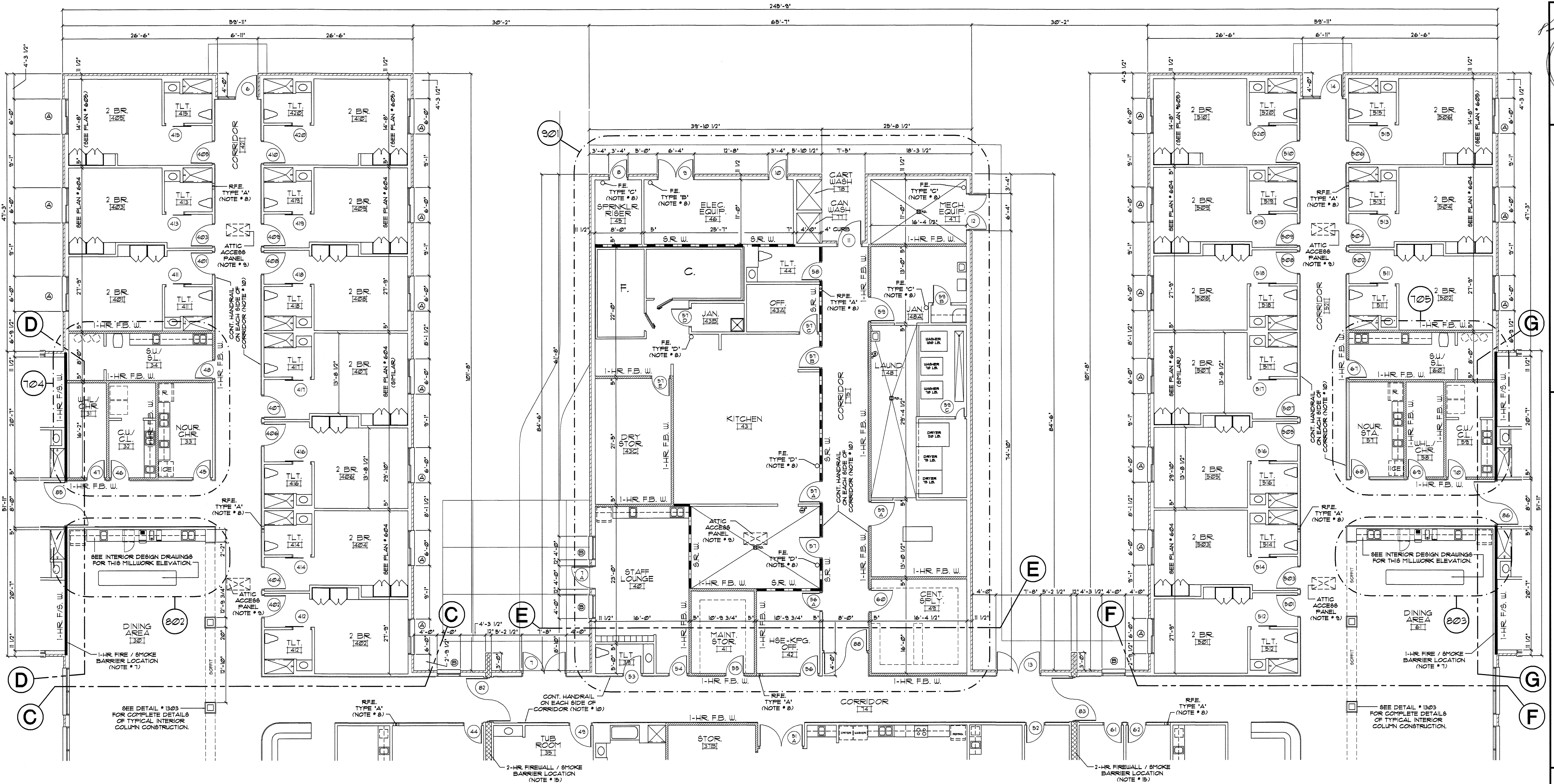


301 FLOOR PLAN PARTIAL PLAN
SCALE: 1/8" = 1'-0"

- GENERAL FLOOR PLAN NOTES:**
1. 5/8" TYPE 'X' G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS, TUB ROOMS, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE 'X' G.W.B. 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.
VERIFY STUD DESCRIPTIONS W/ STRUCTURAL DRAWINGS.
 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 (COORDINATE WITH ELEC. DUGS).
 5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF RATED 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 WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2502 FOR CONSTRUCTION OF THESE BARRIERS BEARING LOCATIONS.
 8. PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (RFE) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS.
TYPE 'A' - 101b, 4A 60 B/C (RECESSED) TYPE 'C' - 101b, 4A 60 B/C (NOT RECESSED)
TYPE 'B' - 201b, BC 120 B/C (NOT RECESSED) TYPE 'D' - 2A1B/C/K (NOT RECESSED)
 9. PROVIDE 24" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIDS FRD SERIES 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 HVAC UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING.
 10. CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IN-FRONT SERIES 3100. WALL GUARD TO BE IFC GUARD - MODEL # 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL # 1304 FOR INSTALLATION.
 11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION. ALL WALL THICKNESS DIMENSIONS ARE NOMINAL.
 12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
 13. ALL JANITOR'S ROOMS TO HAVE (2) 18" VINYL COVERED WIRE SHELVES. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (UNQ).
 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 WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2501 FOR CONSTRUCTION OF THESE FIREWALLS / SMOKE BARRIERS.
 16. CONTRACTOR TO SLOPE FLOOR OF TUB ROOM # 39, MECHANICAL EQUIPMENT # 41, AND LAUNDRY # 48. SEE PLUMBING PLANS FOR FLOOR DRAINS FOR KITCHEN # 43. 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 THIS 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. W/ BEAM ASSEMBLY N-502, 1-HOUR RATED. SEE SECTION # 2106 FOR DESCRIPTION OF TYPICAL.
 18. INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. W/ ASSEMBLY X-508, 1-HOUR RATED. SEE SECTION # 2106 FOR DESCRIPTION OF TYPICAL.
 19. ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.



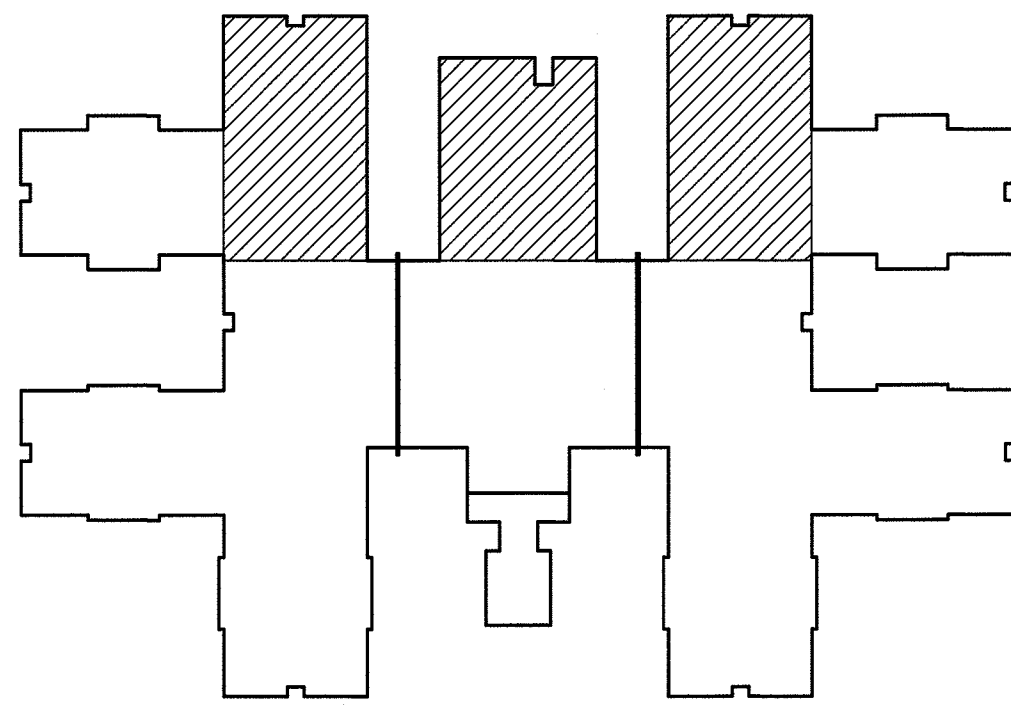
302 FLOOR PLAN PARTIAL PLAN
SCALE: 1/8" = 1'-0"



GENERAL FLOOR PLAN NOTES:

- 5/8" TYPE 'X' G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS, TUB ROOMS, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE 'XP' MUST BE USED.
- 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 1" X 4" WOOD STUDS AT 16" O.C. VERIFY STUD DESCRIPTIONS W/ STRUCTURAL DRAWINGS.
- ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
- PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS AND RECESSED MECHANICAL EQUIPMENT (COORDINATE WITH ELEC. DWGS.).
- LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF RATED PARTITIONS.
- GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
- ALL 1-HOUR FIRE / SMOKE BARRIERS (1-HR F/S W) TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2502 FOR CONSTRUCTION OF THESE BARRIERS AT BEARING LOCATIONS.
- PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (RFE) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS.
TYPE 'A' - 101B, 4A & 6B B.C. (NOT RECESSED) TYPE 'C' - 101B, 4A & 6B B.C. (NOT RECESSED)
TYPE 'B' - 201B, 1C B.C. (NOT RECESSED) TYPE 'D' - 2A/1B/C/K (NOT RECESSED)
- PROVIDE 34" X 48" 1-HR RATED ATTIC ACCESS PANELS BY BABCOCK DAVIS PRO SERIES 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 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.
- CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IN-PRO SERIES 3102. WALL GUARD TO BE IFC GUARD - MODEL # 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL # 1304 FOR INSTALLATION.
- CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION. ALL WALL THICKNESS DIMENSIONS ARE NOMINAL.
- PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
- ALL JANITOR'S ROOMS TO HAVE (2) 8" VINYL COVERED WIRE SHELVES. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (UNQ.).
- 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.
- 2-HR RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR F/W) TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2501 FOR CONSTRUCTION OF THESE FIREWALLS / SMOKE BARRIERS.
- CONTRACTOR TO SLOPE FLOOR OF TUB ROOMS FOR KITCHEN # 43. 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 THIS COMPLETE POSITIVE DRAINAGE TO SHOWER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOWER RECESSED SLAB DETAILS.
- INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE UNRAFFED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION # 2106 FOR DESCRIPTION OF TYPICAL.
- INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO BE UNRAFFED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL ASSEMBLY X-928. 1-HOUR RATED. SEE SECTION # 2106 FOR DESCRIPTION OF TYPICAL.
- ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.

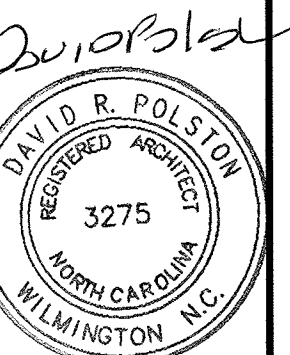
PLAN KEY



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 503 NCBC		SMOKE RESISTANT INCIDENTAL WALL (SR W)

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

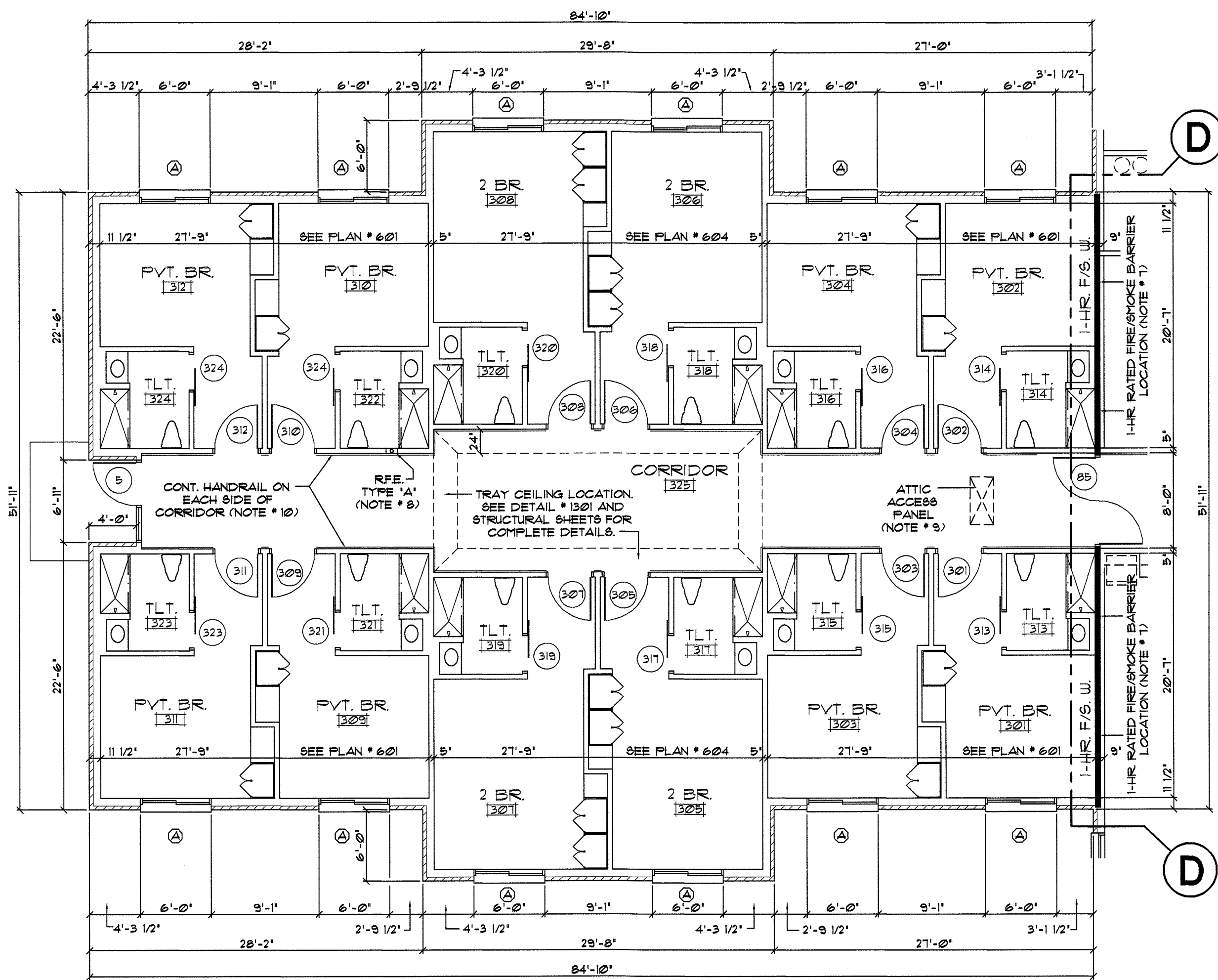


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Holly Springs, North Carolina

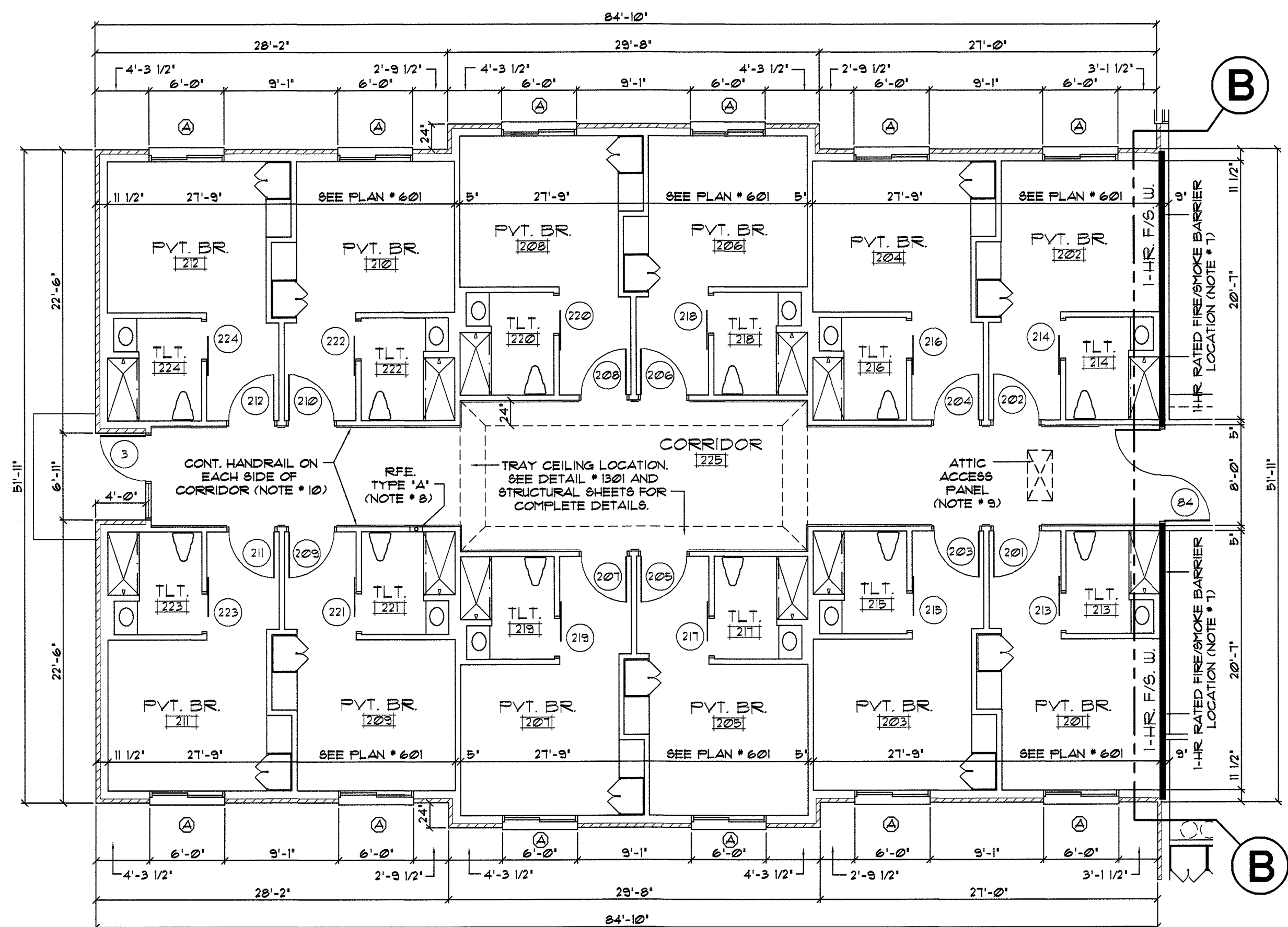
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
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120 BED
NURSING FACILITY

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4**

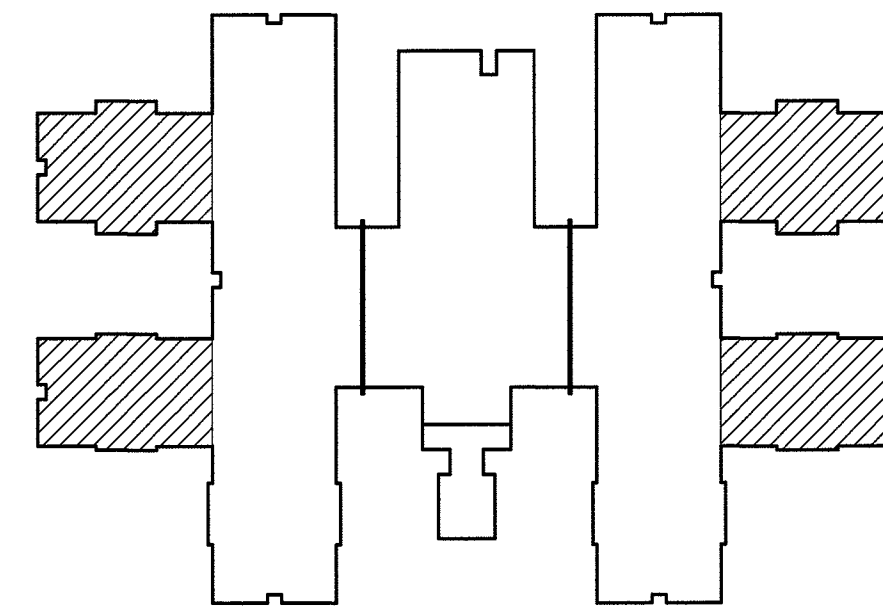


501 FLOOR PLAN PARTIAL PLAN
SCALE: 1/8" = 1'-0"



503 FLOOR PLAN PARTIAL PLAN
SCALE: 1/8" = 1'-0"

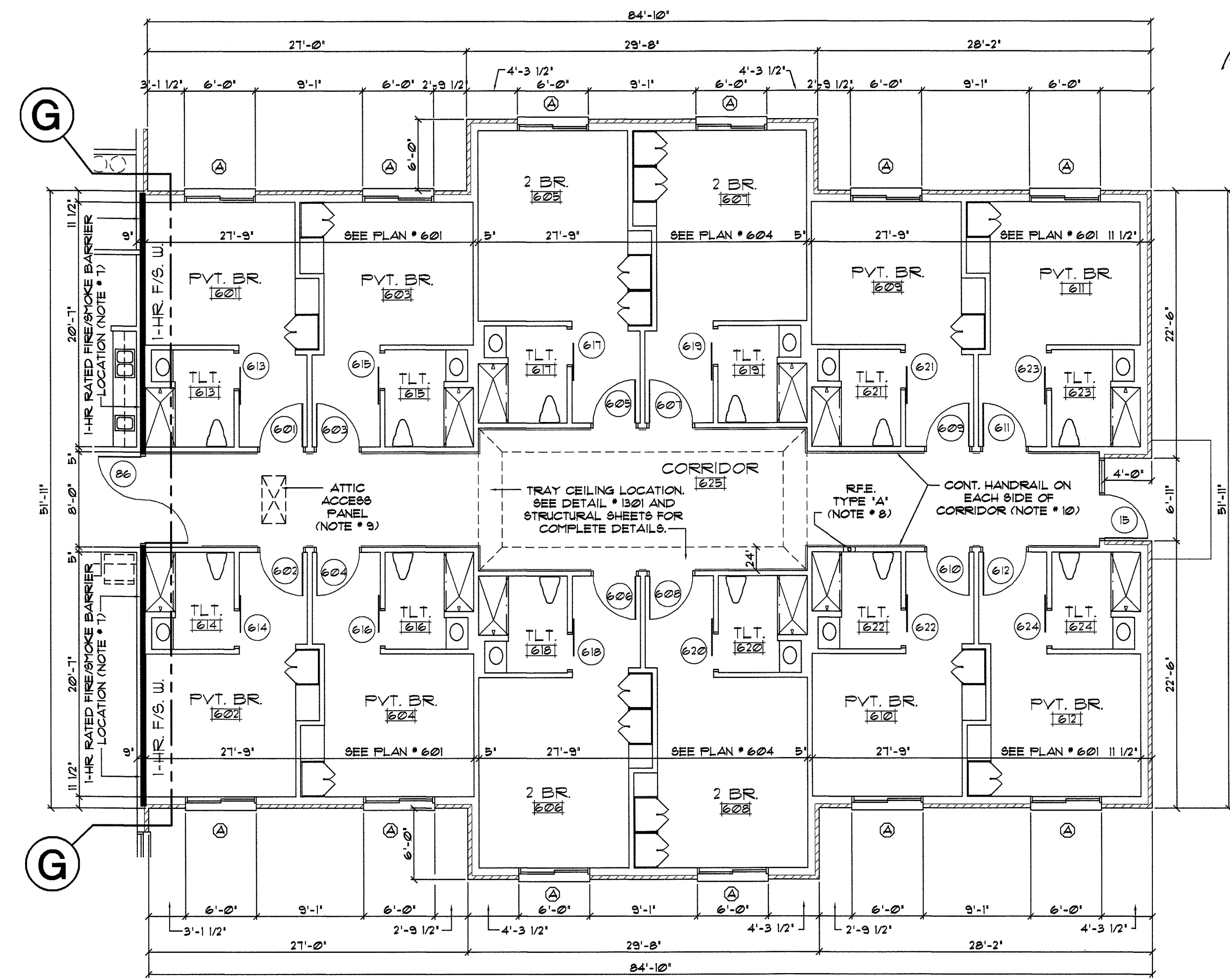
WALL RATING LEGEND	
	1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
	1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NC95C
	2-HOUR RATED FIREWALL / (2-HR. FW) SMOKE BARRIER
	SMOKE RESISTANT INCIDENTAL WALL (SR W)



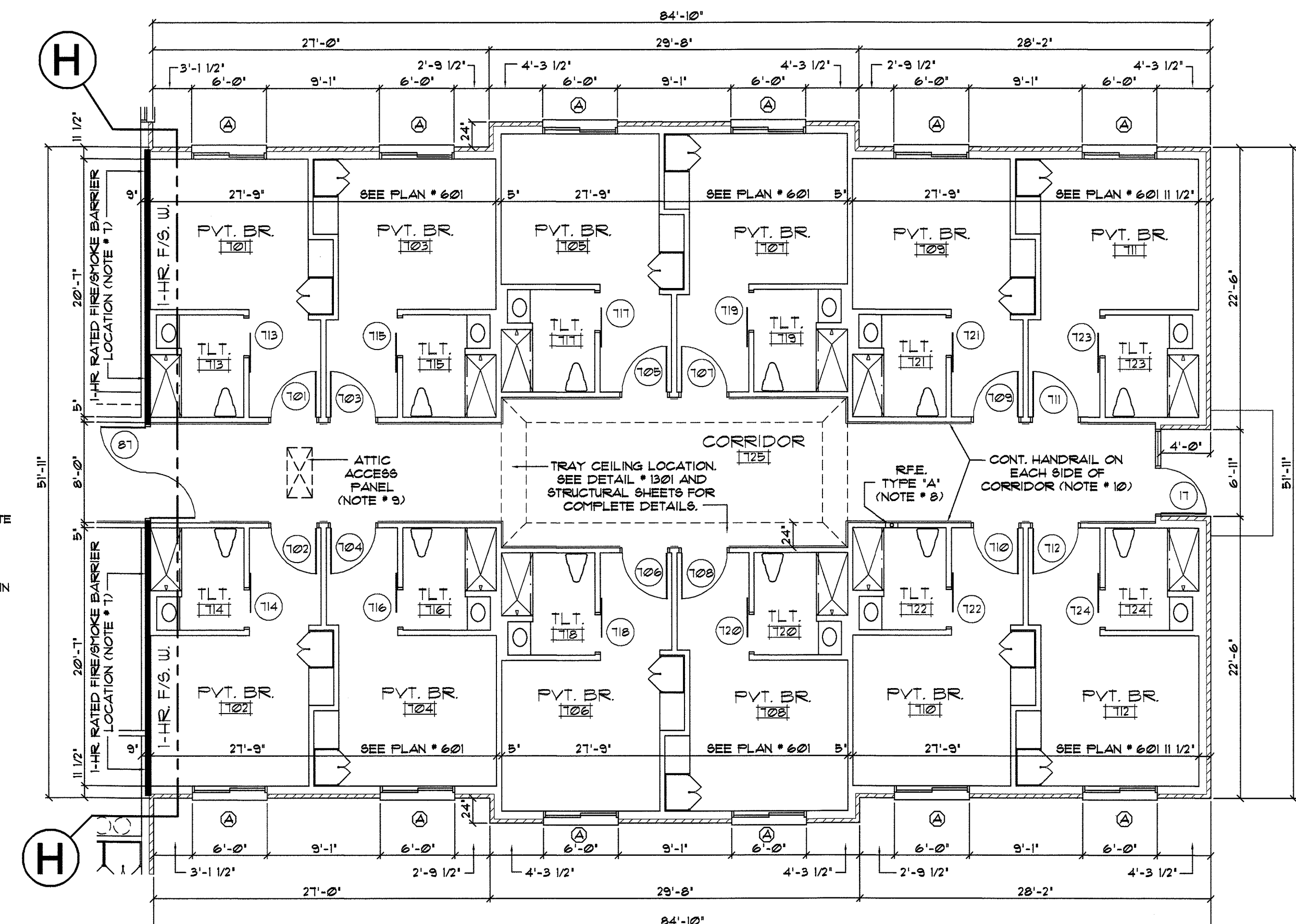
PLAN KEY

GENERAL FLOOR PLAN NOTES:

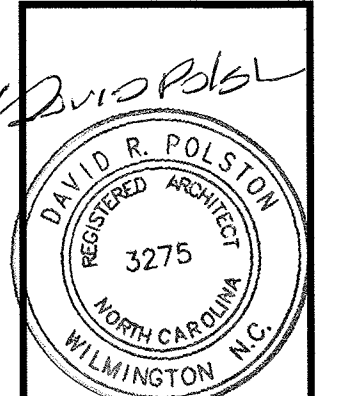
- 5/8" TYPE 'X' GUB. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS, TUB ROOMS, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 3/8" TYPE 'X' MUST BE USED.
- ALL EXTERIOR STUDS TO BE 2" X 6" WOOD STUDS AT 16" O.C.
ALL INTERIOR LOAD-BEARING STUDS TO BE 2" 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.
VERIFY STUD DESCRIPTIONS W/ STRUCTURAL DRAWINGS.
- ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
- PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS AND RECESSED MECHANICAL EQUIPMENT (COORDINATE WITH ELEC. DWGS.) TO INSURE 1-HOUR RATING OF RATED PARTITIONS.
- GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
- ALL 1-HOUR FIRE / SMOKE BARRIERS (1-HR. F/S W) TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2502 FOR CONSTRUCTION OF THESE BARRIERS AT BEARING LOCATIONS.
- PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (RFE) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS.
TYPE 'A' - 10LB. 4A 60 B.C. (NOT RECESSED) TYPE 'C' - 10LB. 4A 60 B.C. (NOT RECESSED)
TYPE 'B' - 20LB. BC 120 B.C. (NOT RECESSED) TYPE 'D' - 2A1B1C1K (NOT RECESSED)
- PROVIDE 24" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIDS FRD SERIES AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS. U.S.A.P. SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE 'X' GUB. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATION OF ATTIC H.V.A.C. UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING.
- CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IN-PRO SERIES 3100. WALL GUARD TO BE IPO GUARD - MODEL # 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL # 1304 FOR INSTALLATION.
- CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION. ALL WALL THICKNESS DIMENSIONS ARE NOMINAL.
- PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
- ALL JANITOR'S ROOMS TO HAVE (2) 18" VINYL COVERED WIRE SHELVES. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (UNO.).
- 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.
- 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. FW) TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2501 FOR CONSTRUCTION OF THESE FIREWALLS / SMOKE BARRIERS.
- CONTRACTOR TO SLOPE FLOOR OF TUB ROOM # 35, MECHANICAL EQUIPMENT # 41, AND LAUNDRY # 48. SEE PLUMBING PLANS FOR FLOOR DRAINS FOR KITCHEN # 43. SLOPE FLOOR OF THESE ROOMS TO PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. ALSO, SLOPE FLOOR IN PATIENT TOILET ROOM SHOWER AS SHOWN ON THE PLANS FOR POSITIVE DRAINAGE. RECESS SHOWER FLOOR SLABS AS REQUIRED TO PROVIDE THIS COMPLETE POSITIVE DRAINAGE TO SHOWER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOWER RECESSED SLAB DETAILS.
- INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE GUB. UL BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION # 2106 FOR DESCRIPTION OF TYPICAL.
- INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO BE WRAPPED WITH TWO LAYERS OF 5/8" FIRECODE GUB. UL ASSEMBLY X-528. 1-HOUR RATED. SEE SECTION # 2106 FOR DESCRIPTION OF TYPICAL.
- ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.



502 FLOOR PLAN PARTIAL PLAN
SCALE: 1/8" = 1'-0"



504 FLOOR PLAN PARTIAL PLAN
SCALE: 1/8" = 1'-0"



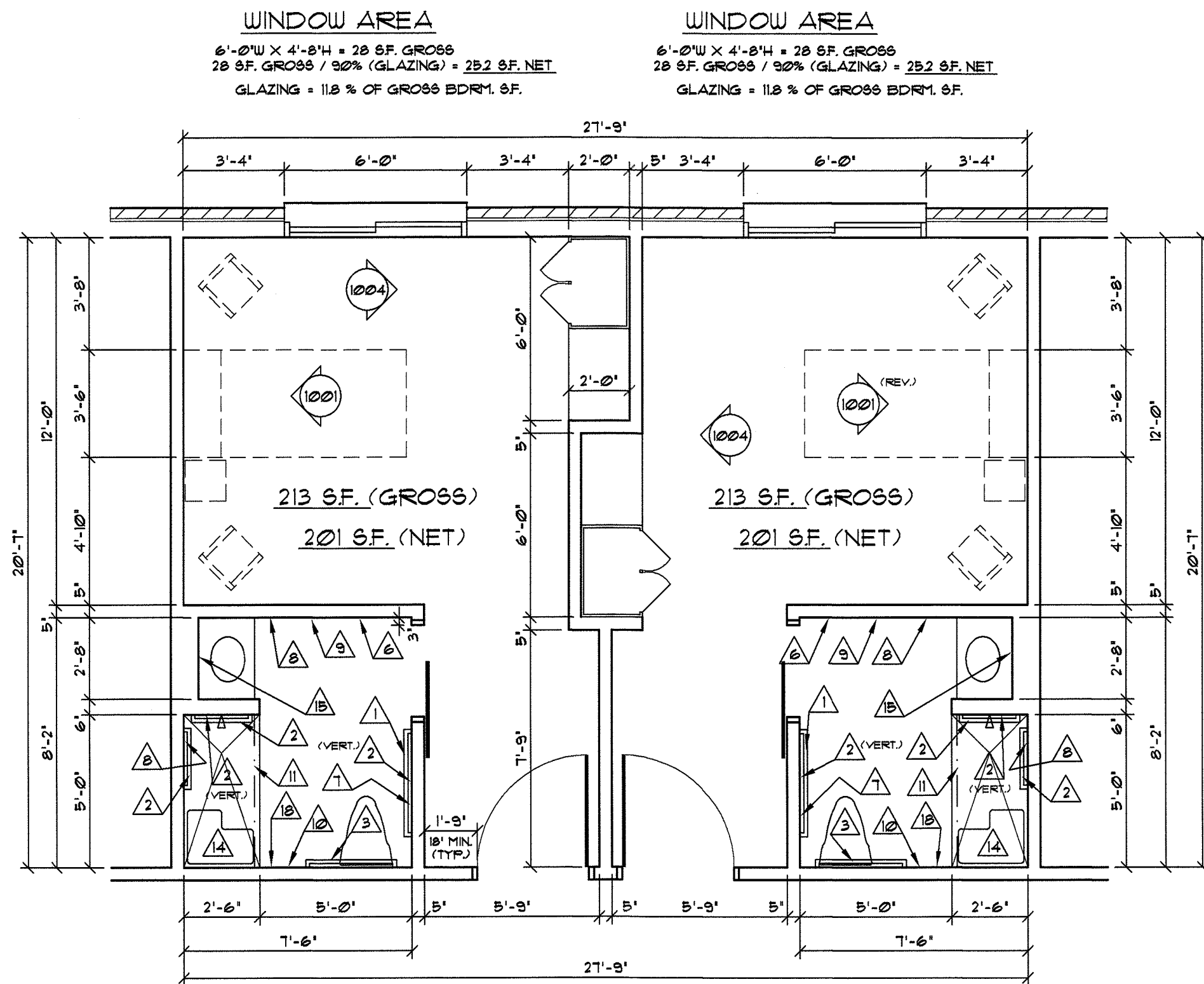
2.15.2024

PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

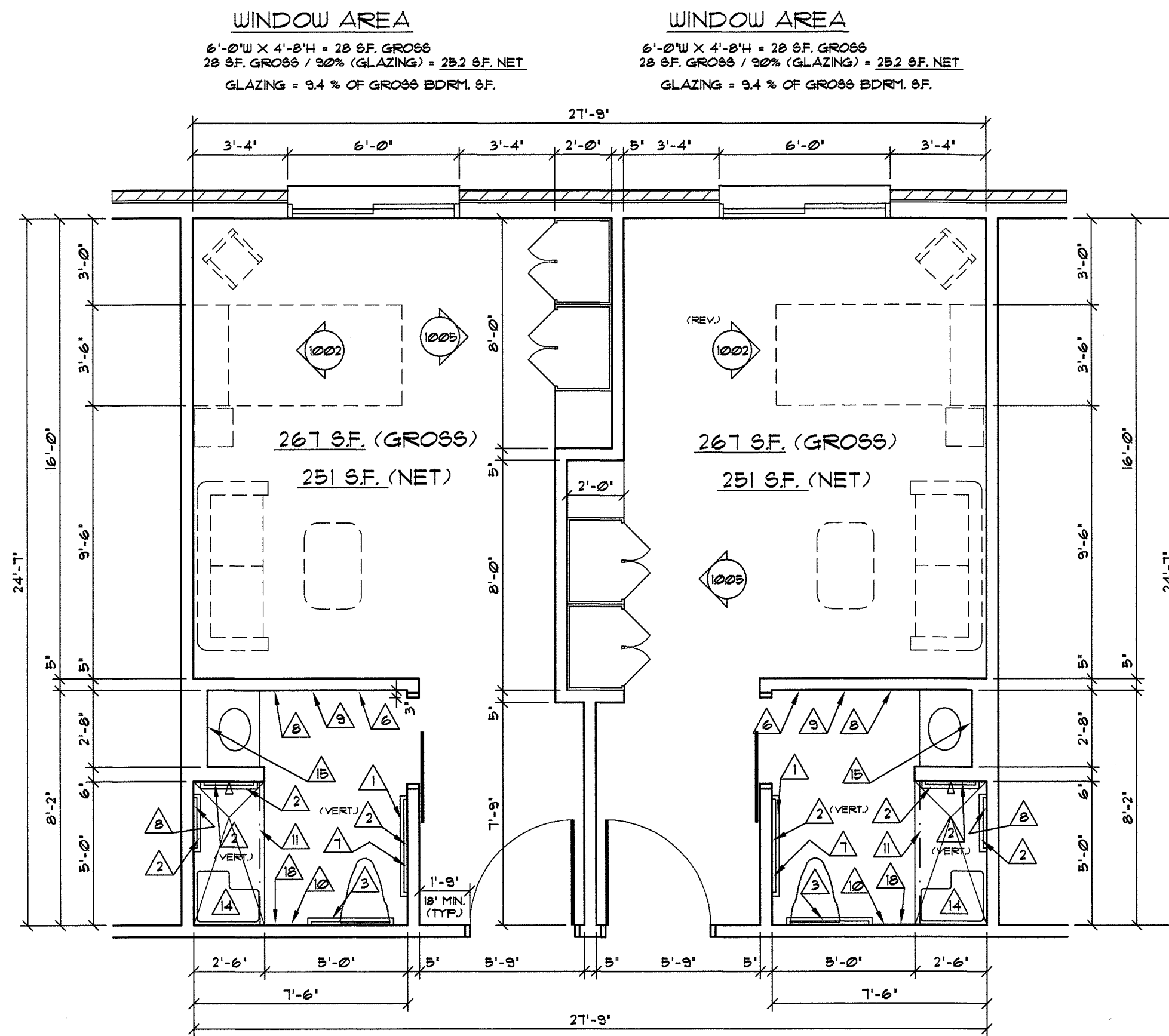
David R. Polston - Architect
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Architecture Planning Design

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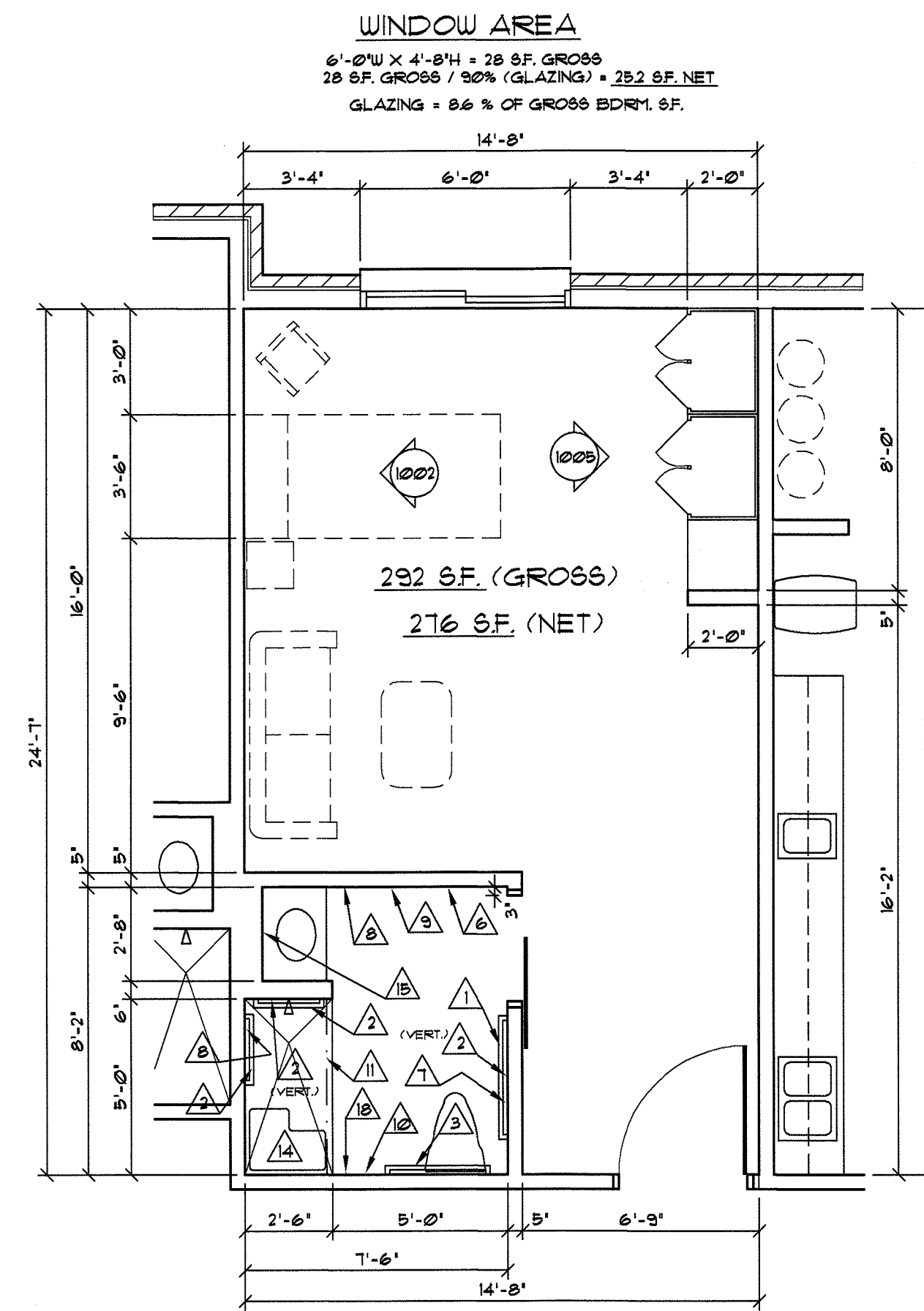
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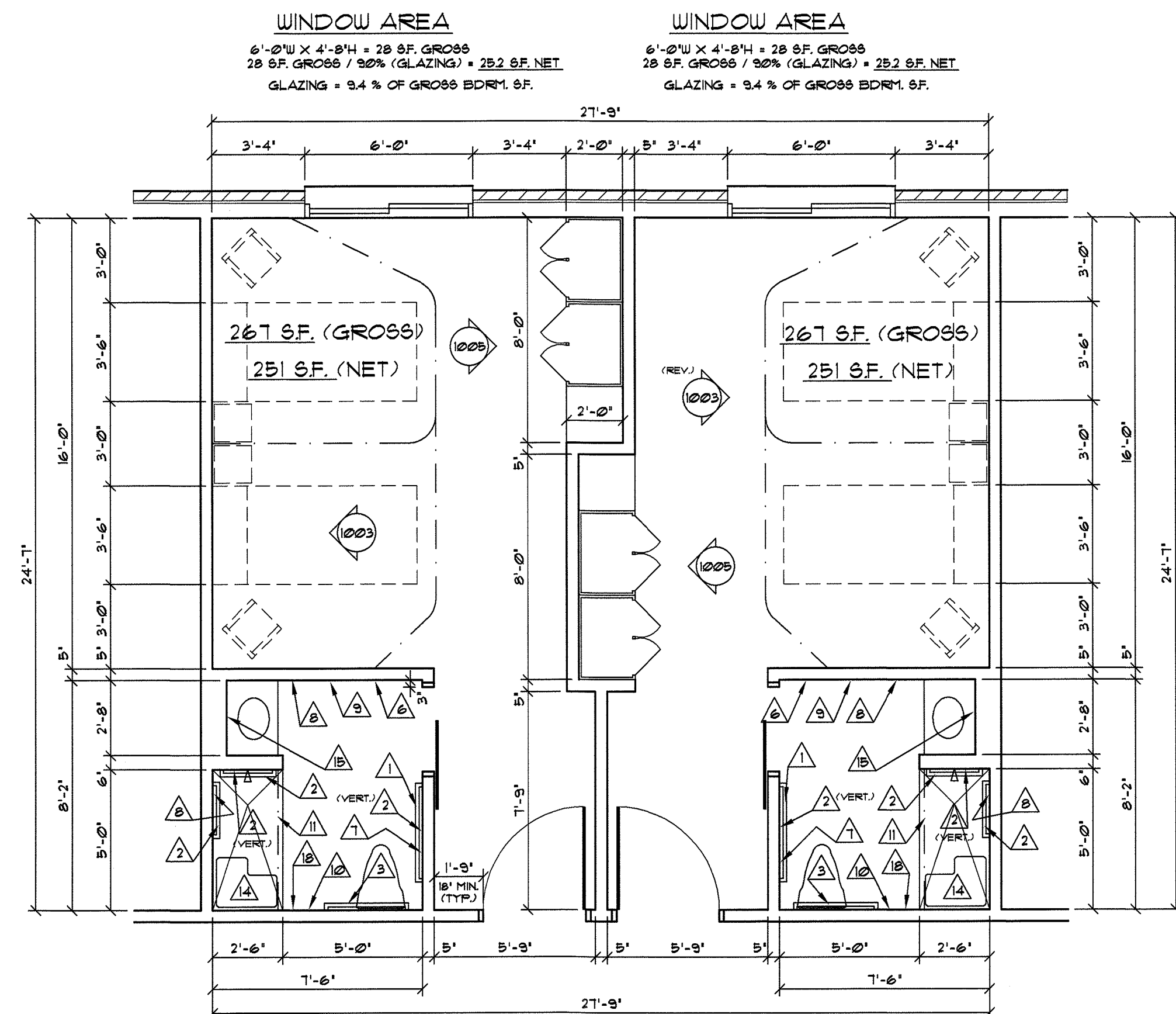
601 FLOOR PLAN TYPICAL PRIVATE BEDROOM SUITE
SCALE: 1/4" = 1'-0"



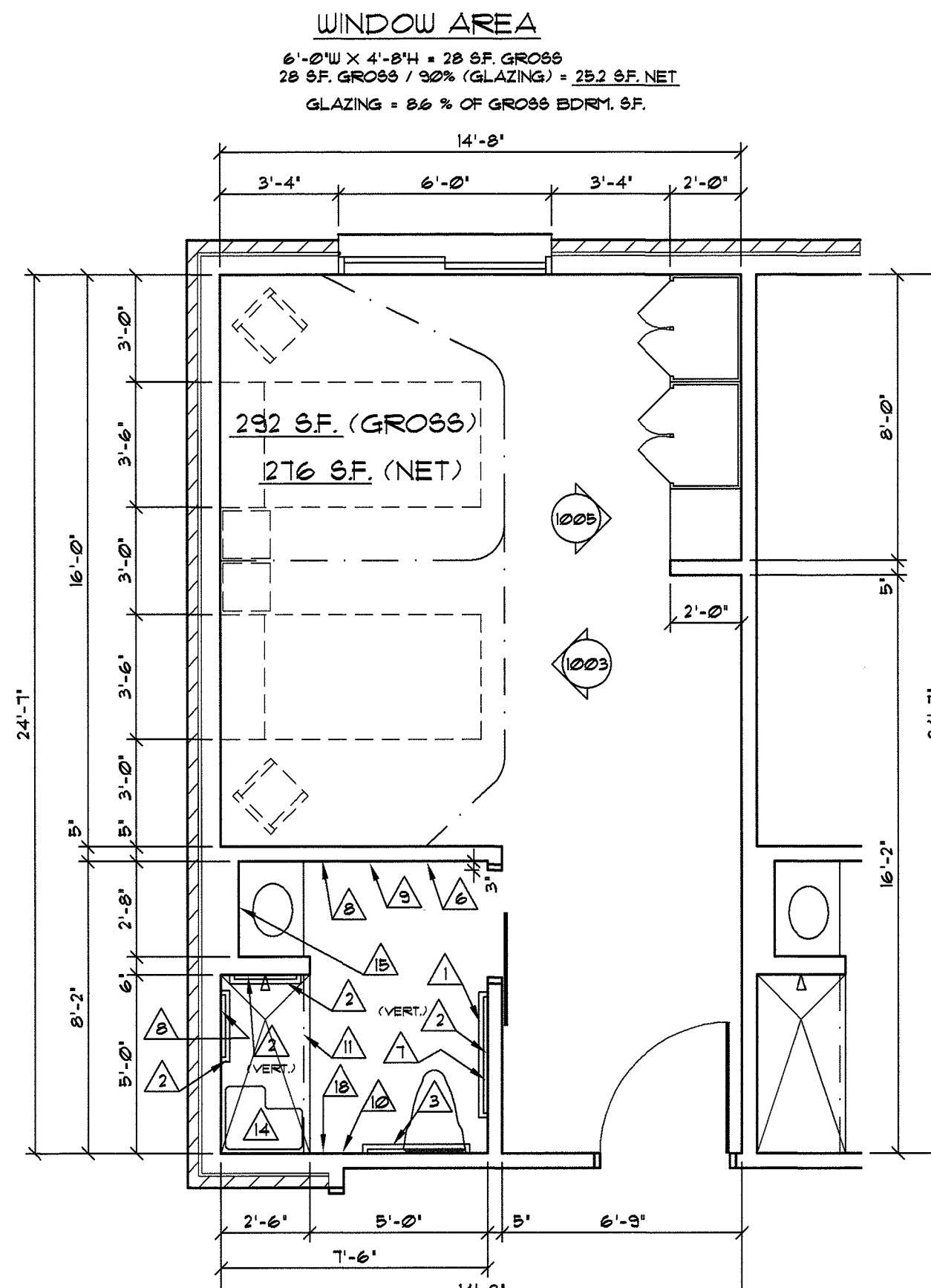
602 FLOOR PLAN TYPICAL LARGE PRIVATE BEDROOM SUITE
SCALE: 1/4" = 1'-0"



603 FLOOR PLAN TYPICAL LARGE PRIVATE BEDROOM 'HALF' SUITE
SCALE: 1/4" = 1'-0"



604 FLOOR PLAN TYPICAL SEMI-PVT. BEDROOM SUITE
SCALE: 1/4" = 1'-0"

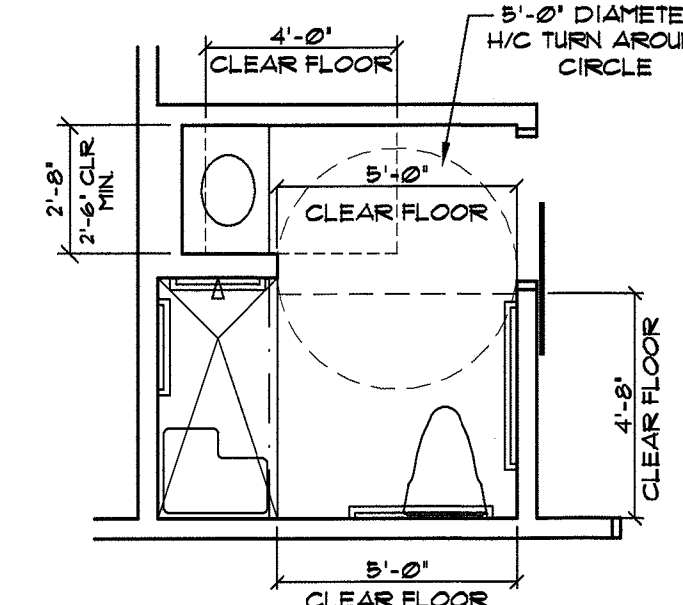
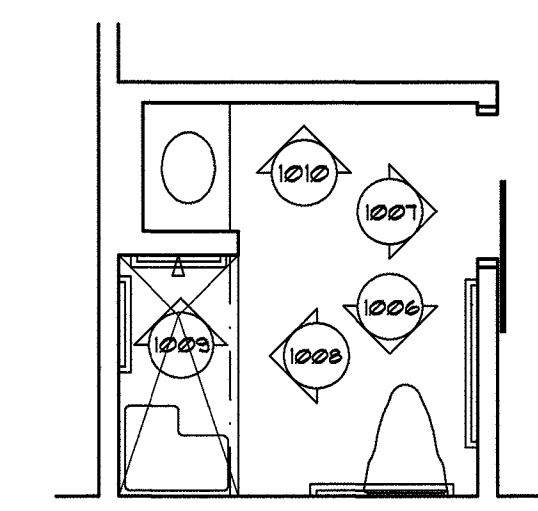


605 FLOOR PLAN TYPICAL SEMI-PRIVATE BEDROOM 'HALF' SUITE
SCALE: 1/4" = 1'-0"

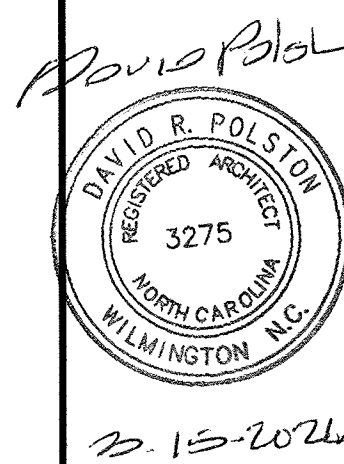
Δ	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 X 42"
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 X 24"
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B- 6806 X 36"
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 X 12"
5	GRAB BAR- 1 1/2" X 30" LONG	BOBRICK	B- 6806 X 30"
6	TOILET BAR- 24" LONG	MOEN	DN6804BN
7	TOILET PAPER DISPENSER	MOEN	DN6805BN
8	SOAP DISP- WALL MNTD.	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	SSR-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43385 BATH MODEL FINISH
16	TUB SEAT	BY OWNER	---
17	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
18	SHOWER SEAT	SEACHROME	SSR-320225 (NW)

- TOILET ACCESSORY NOTES:**
- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATIONS FOR LOCATION OF TOILET ACCESSORIES.
 - G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
 - PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
 - MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
 - TOILET ACCESSORY ITEMS * 8, * 9, AND * 11 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
 - TOILETS ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH.
 - 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: ALL RESIDENT BEDSIDE TABLES TO HAVE LOCKABLE DRAWERS FOR STORAGE OF RESIDENTS PERSONAL ITEMS.



606 FLOOR PLAN TOILET ROOM ELEVATION KEY/ HANDICAPPED CLEARANCES
SCALE: 1/4" = 1'-0"

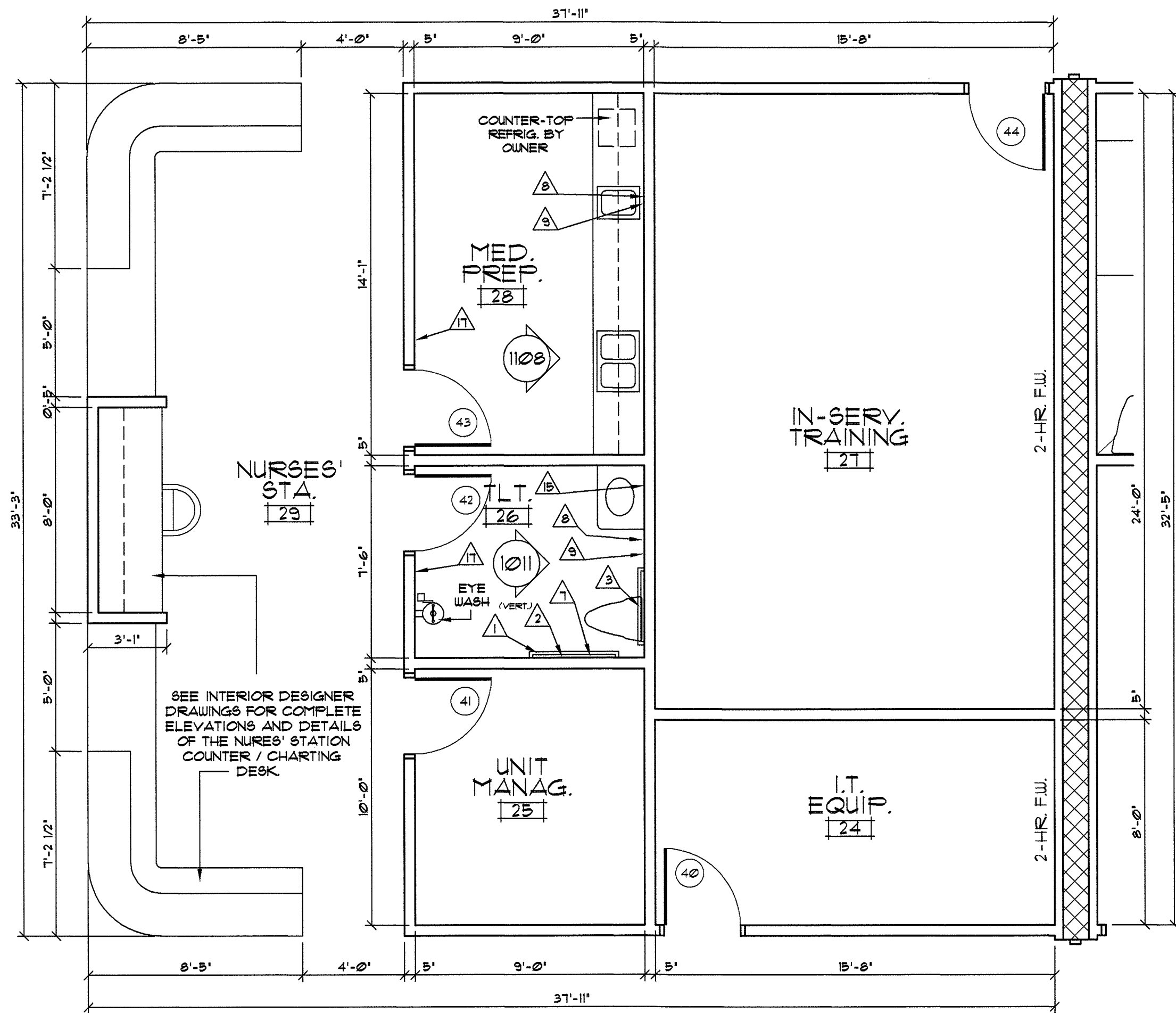


David R. Polston
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NORTH CAROLINA
WILMINGTON, NC
20.15.2024

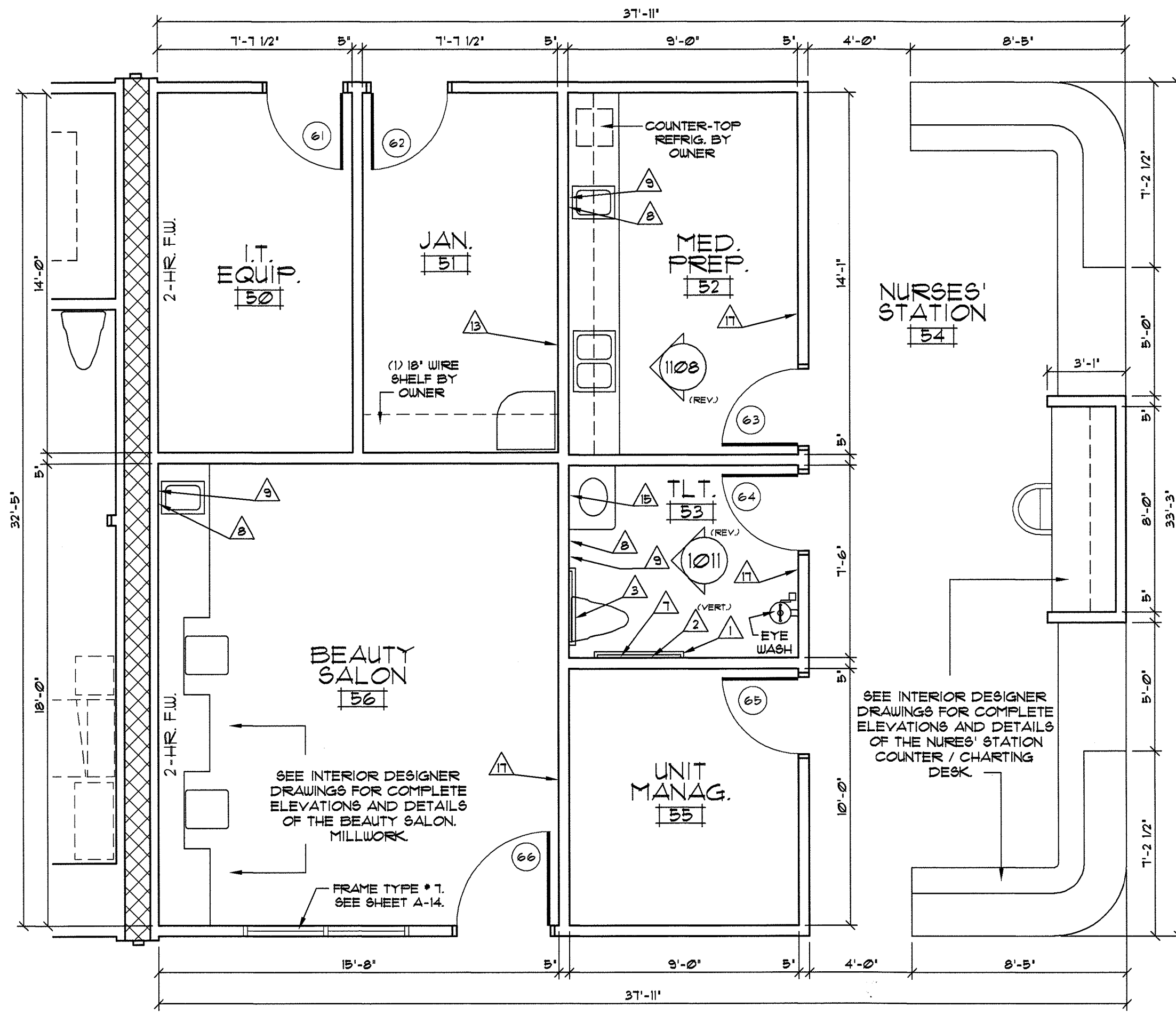
David R. Polston - Architect
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Architecture Planning Design

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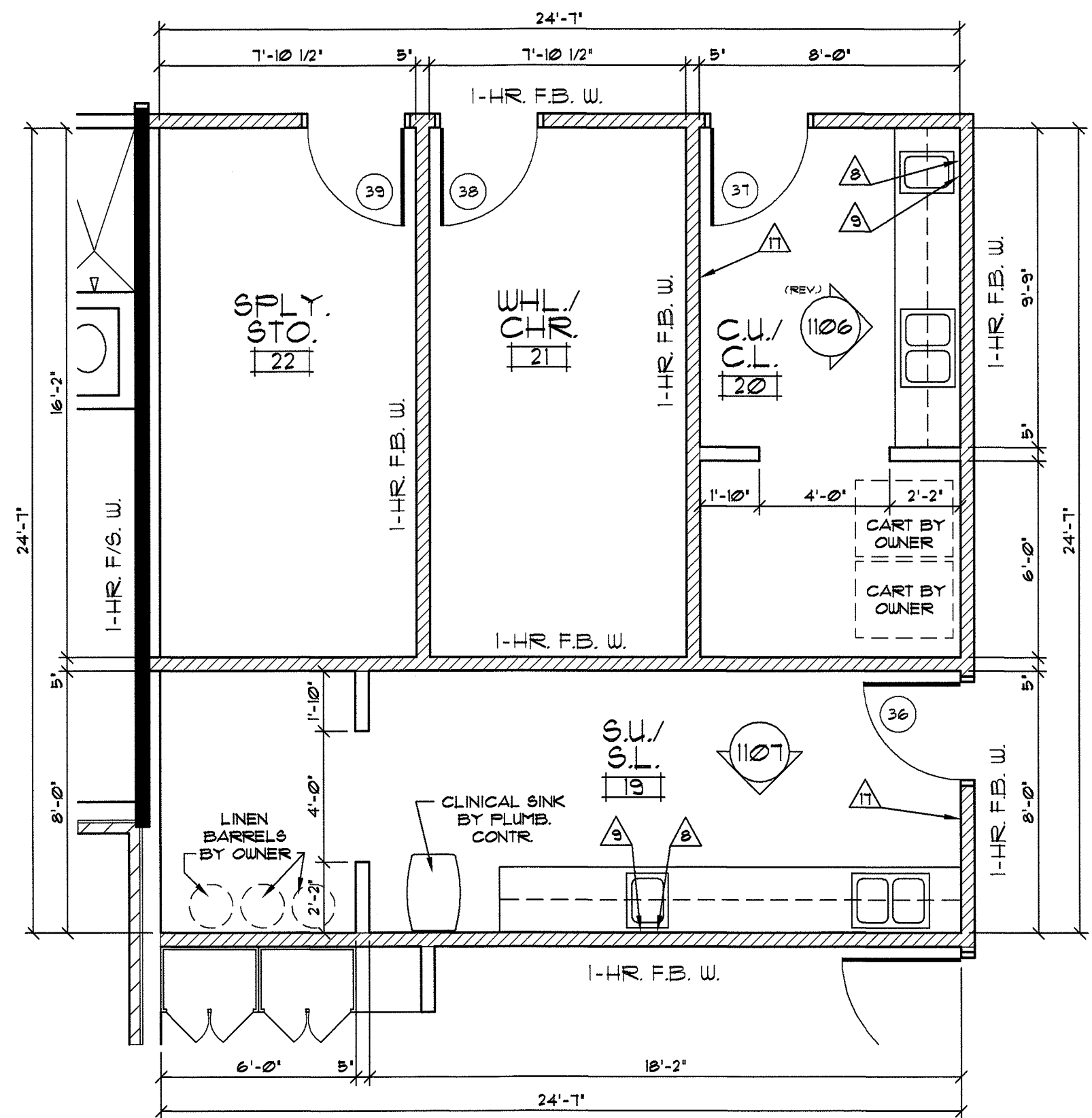
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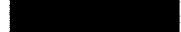
101 FLOOR PLAN NURSES' STATION # 29
SCALE: 1/4" = 1'-0"



102 FLOOR PLAN NURSES' STATION # 54
SCALE: 1/4" = 1'-0"



103 FLOOR PLAN LOWER LEFT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"

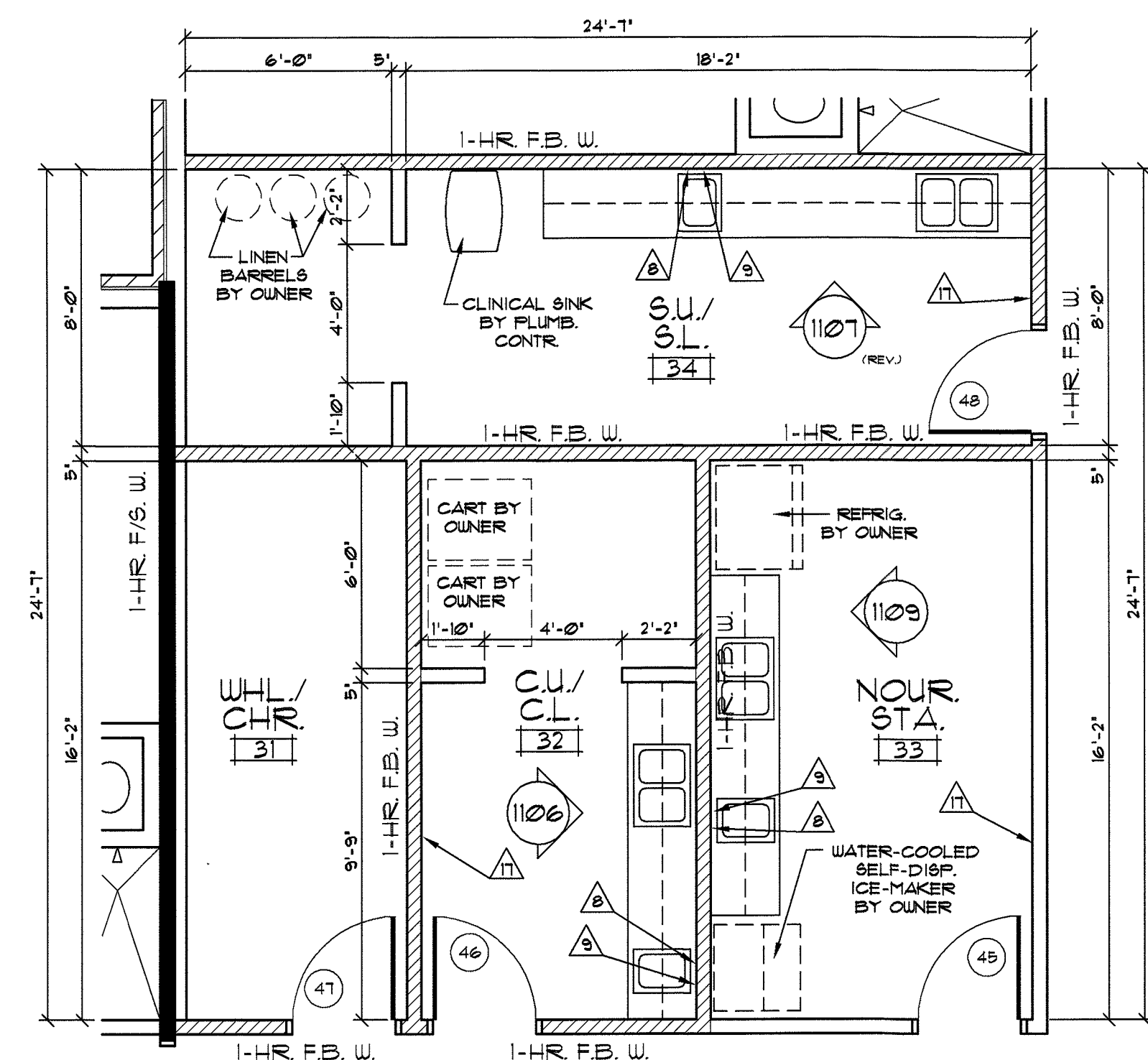
WALL RATING LEGEND			
	1-HOUR FIRE / SMOKE BARRIER (1-HR F/S W)		2-HOUR RATED FIREWALL / (2-HR FW) SMOKE BARRIER
	1-HOUR FIRE BARRIER WALL (1-HR FB W) REQUIRED BY TABLE 503 NC95C		SMOKE RESISTANT INCIDENTAL WALL (SR W)

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- 1 1/2" X 30" LONG	BOBRICK	B- 6806 x 30"
6 TOWEL BAR- 24" LONG	MOEN	DN6824BN

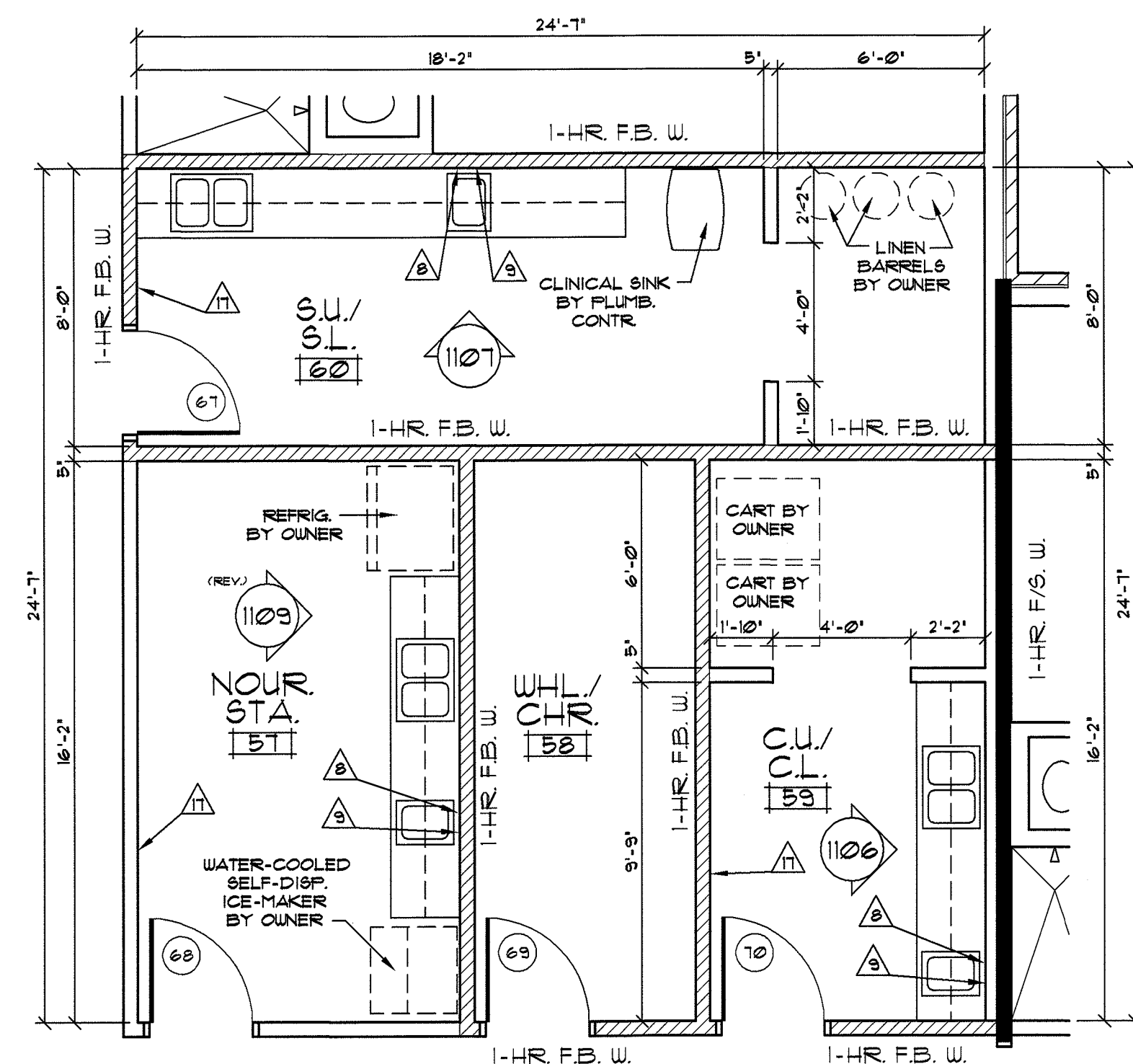
TOILET ACCESSORIES SCHEDULE		
DESCRIPTION	MANUF.	CATALOG NO.
7 TOILET PAPER DISPENSER	MOEN	DN6808BN
8 SOAP DISP. WALL MNTD.	BY OWNER	INSTALL BY G.C.
9 PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.
10 ROBE HOOK	MOEN	DN6803BN
11 SHOWER CURTAIN ROD	BOBRICK	B- 6101
12 PRIVACY CURTAIN TRACK	ARNCO	1200

TOILET ACCESSORIES SCHEDULE		
DESCRIPTION	MANUF.	CATALOG NO.
13 MOP HOOK RACK	BY OWNER	---
14 SHOWER SEAT	BEACHROME	68R-262225 (NW)
15 MIRROR - 23 1/2" X 31 1/2"	GATCO	43395 BATH MIRROR
16 TUB SEAT	BY OWNER	---
17 HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
18 SHOWER SEAT	BEACHROME	68R-320225 (NW)

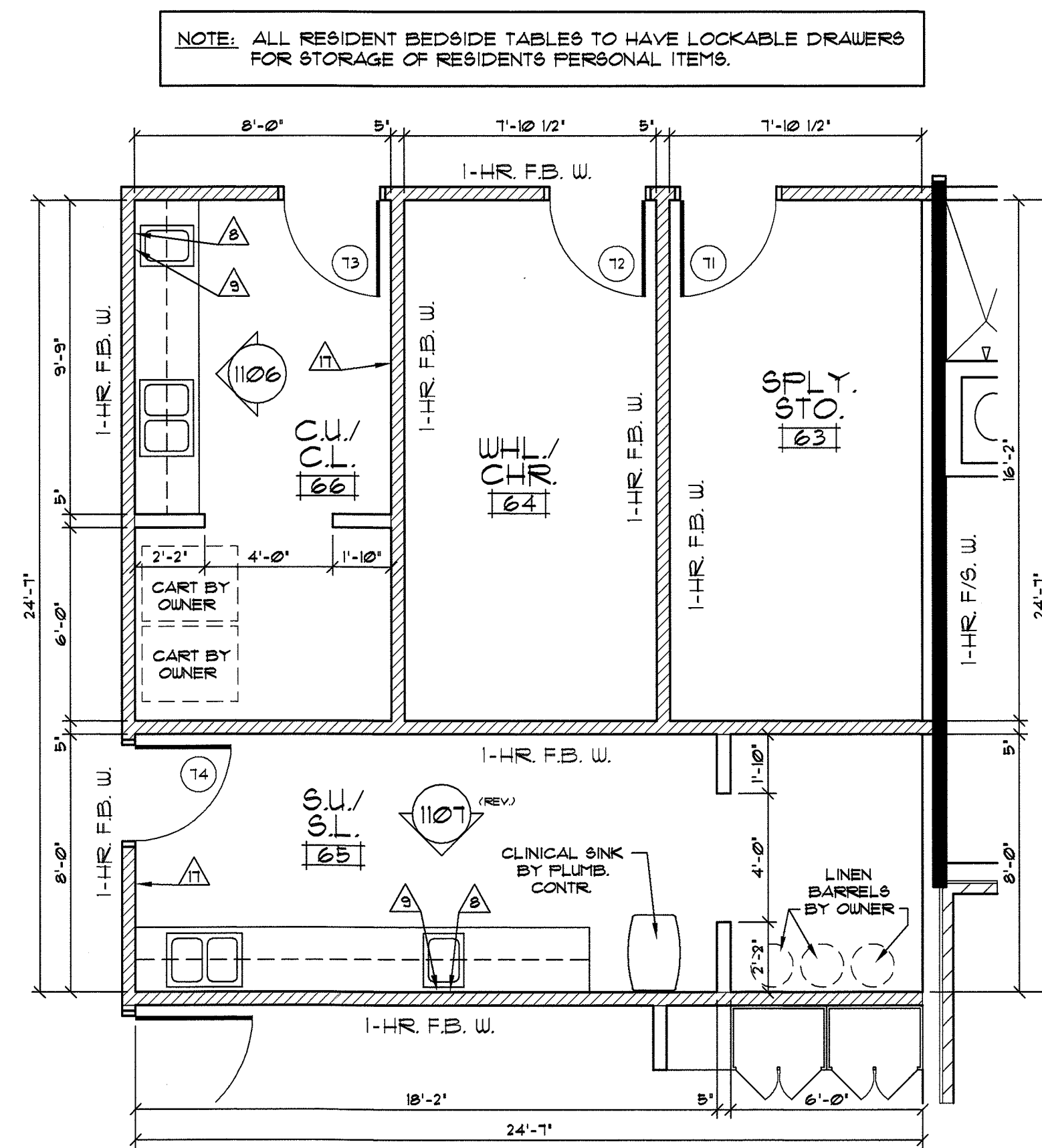
- TOILET ACCESSORY NOTES:**
- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATIONS FOR LOCATION OF TOILET ACCESSORIES.
 - G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
 - PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
 - MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
 - TOILET ACCESSORY ITEMS * 8, * 9, AND * 11 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
 - TOILETS ACCESSORIES * 6, * 10, AND * 18 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH.
 - 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.



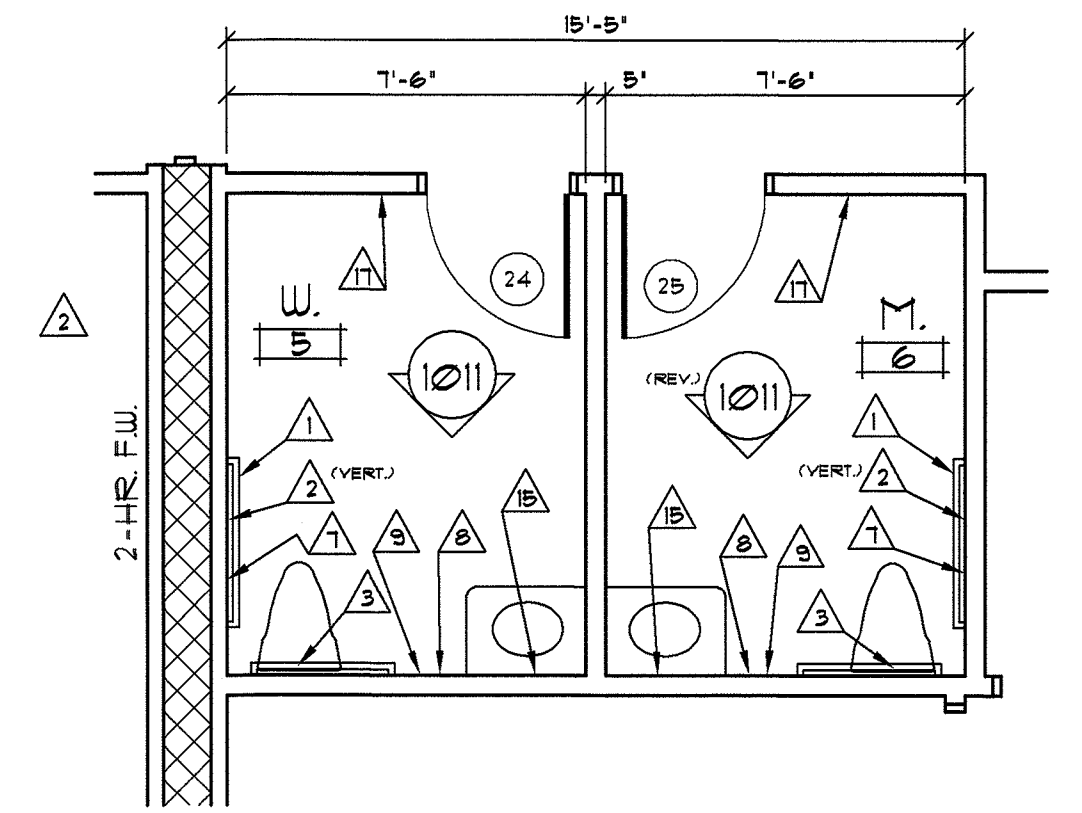
104 FLOOR PLAN UPPER LEFT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"



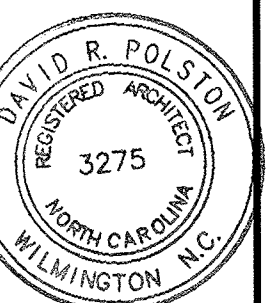
105 FLOOR PLAN UPPER RIGHT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"



106 FLOOR PLAN LOWER RIGHT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"



107 FLOOR PLAN WOMEN # 5 / MEN # 6 /
SCALE: 1/4" = 1'-0"



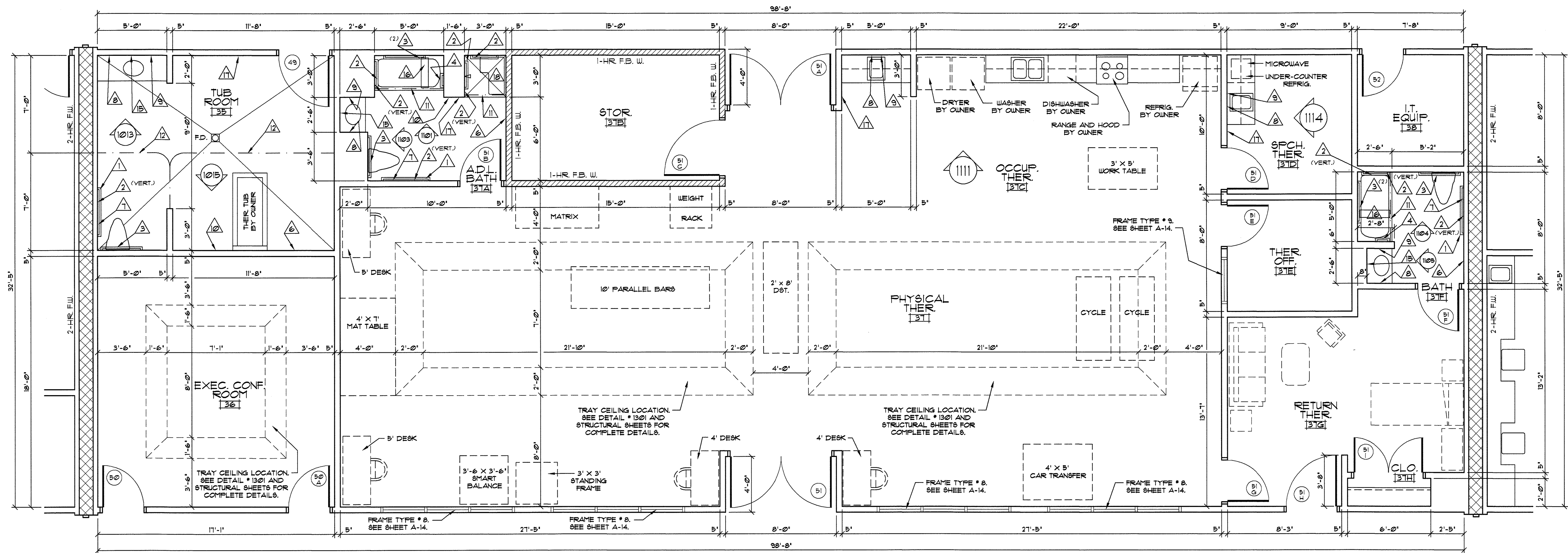
PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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NURSING FACILITY

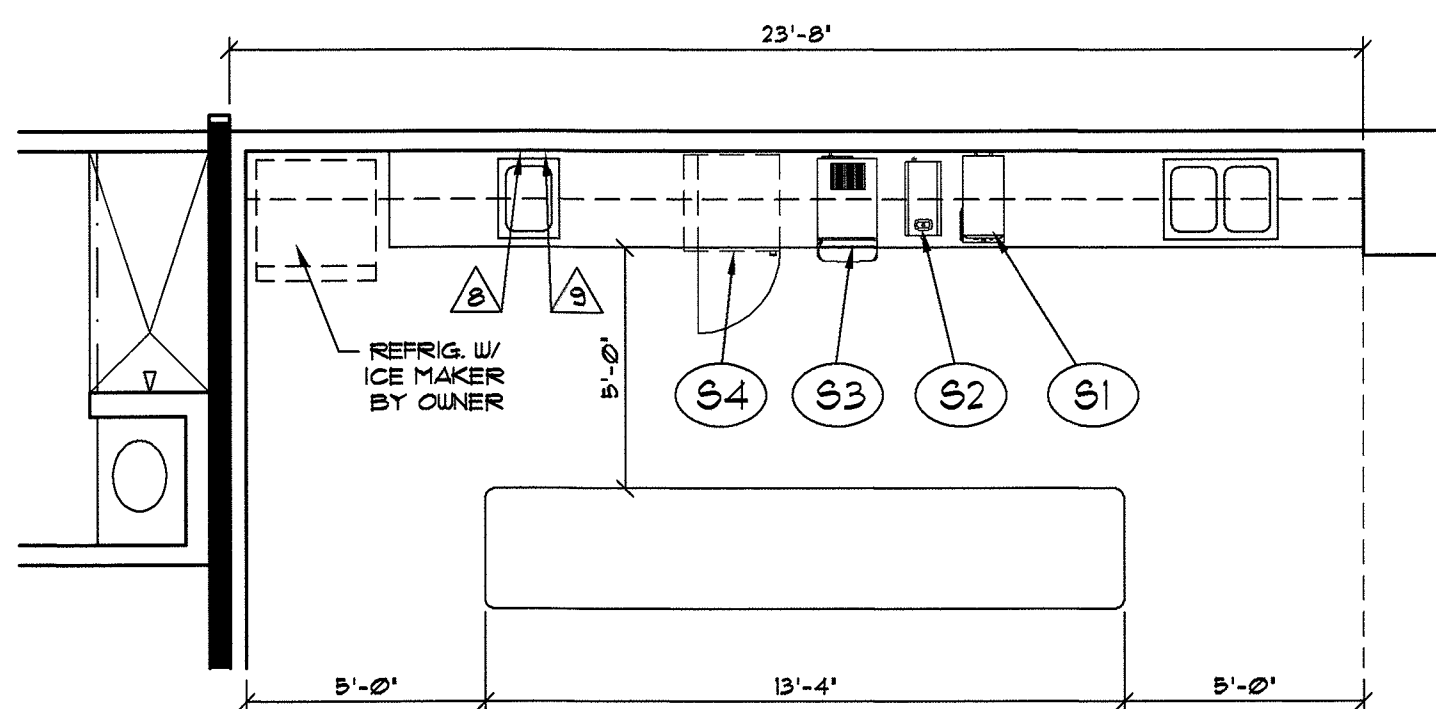
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TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORY NOTES:			
Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.				
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42'	7	TOILET PAPER DISPENSER	MOEN	DN6808BN	13	MOP HOOK RACK	BY OWNER	---	1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATIONS 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.			
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24'	8	SOAP DISP.- WALL MNTED.	BY OWNER	INSTALL BY G.C.	14	SHOWER SEAT	SEACHROME	55R-260225 (NW)				
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36'	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43395 BATH NICKEL FINISH				
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12'	10	ROBE HOOK	MOEN	DN6803BN	16	TUB SEAT	BY OWNER	---				
5	GRAB BAR- 1 1/2" X 30" LONG	BOBRICK	B- 6806 x 30'	11	SHOWER CURTAIN ROD	BOBRICK	B- 6107	17	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.				
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN	12	PRIVACY CURTAIN TRACK	ARNCO	1200	18	SHOWER SEAT	SEACHROME	55R-320225 (NW)				
												5. TOILET ACCESSORY ITEMS * 8, * 9, AND * 17 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. 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.			



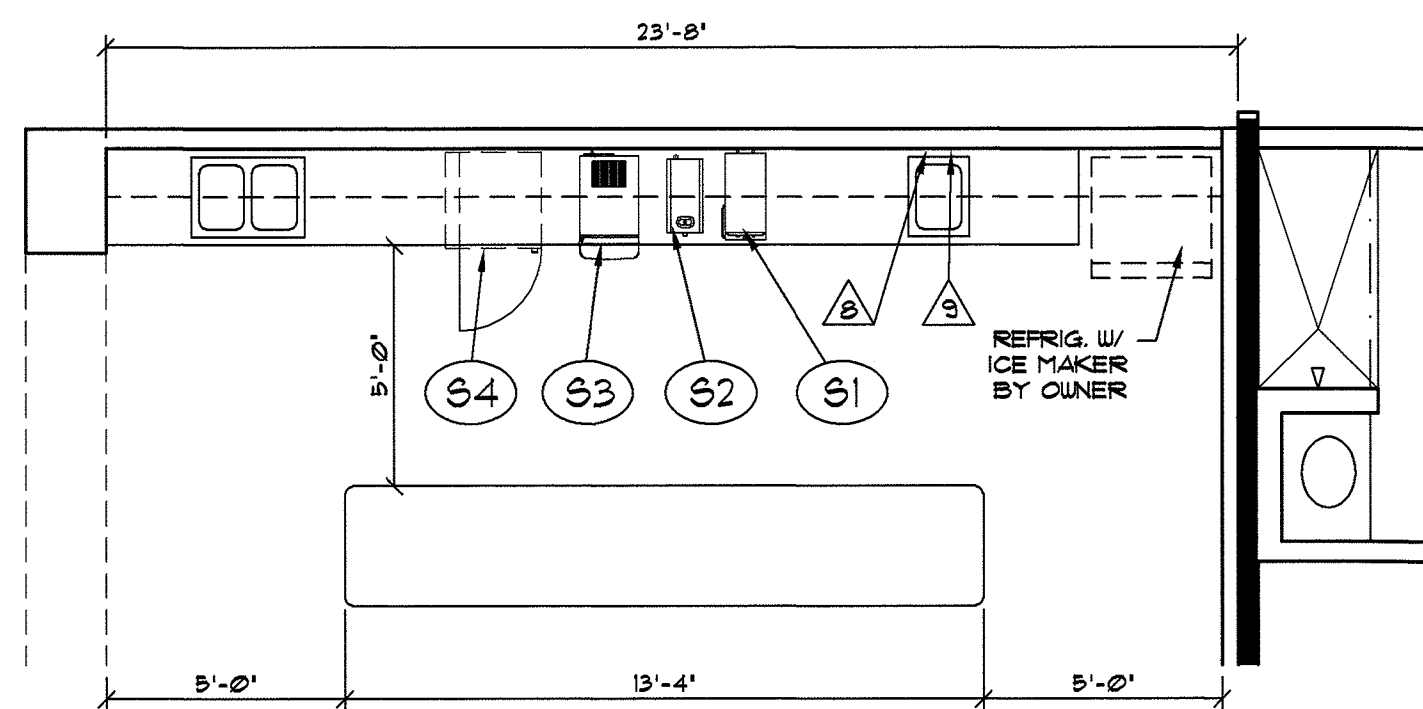
801 FLOOR PLAN PHYSICAL THERAPY # 37
SCALE: 1/4" = 1'-0"

DASHED FURNITURE / EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE OWNER



SEE INTERIOR DESIGN DRAWINGS FOR FINISHES AND ELEVATIONS FOR THE ABOVE MILLWORK.

802 FLOOR PLAN SERVING AREA AT DINING # 30
SCALE: 1/4" = 1'-0"

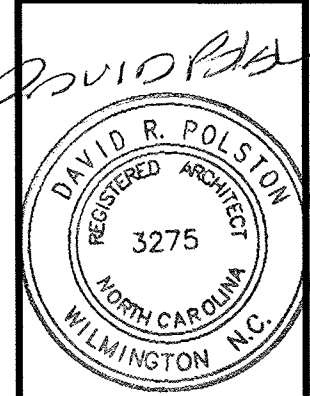


SEE INTERIOR DESIGN DRAWINGS FOR FINISHES AND ELEVATIONS FOR THE ABOVE MILLWORK.

803 FLOOR PLAN SERVING AREA AT DINING # 61
SCALE: 1/4" = 1'-0"

SERVING EQUIPMENT LEGEND			
ITEM NUMBER	QUANTITY	EQUIPMENT TYPE	REMARKS
S1	2	TEA BREWER	BY OWNER
S2	2	COFFEE MAKER	BY OWNER
S3	2	JUICE DISPENSER	BY OWNER
S4	2	UNDERCOUNTER REFRIGERATOR	GLASS DOOR

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 503 NCBC		SMOKE RESISTANT INCIDENTAL WALL (SR W)



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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 A.G.A. LABEL.
5. THE KITCHEN EXHAUST HOOD SHALL BE FACTORY FABRICATED FOR COMPLIANCE WITH NFPA 96, NSF 1362 AND HAVE A UL LABEL. SEE DETAIL # 2801 ON SHEET A-28 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 # 2802 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.
8. ALL KITCHEN EQUIPMENT TO BE BY OWNER.

KITCHEN EQUIPMENT SCHEDULE					
NO.	DESCRIPTION	QTY.	NO.	DESCRIPTION	QTY.
1	HAND SINK	4	13	EXHAUST HOOD SYSTEM	1
2	DRY STORAGE SHELVING	1-LOT	14	FIRE SUPPRESSION SYSTEM (UTILITY CABINET)	1
3	PREP SINK	2	15	GAS RESTAURANT RANGE	1
4	S.S. WORK TABLE	1	16	ELECTRIC STEAMER	1
5	COOLER/FREEZER STORAGE SHELVING	1-LOT	17	GAS CONVECTION OVEN	1
6	BUN PAN RACK	2	18	GAS FRYER	1
7	WALK-IN FREEZER / COOLER	1	19	FILLER TABLE	1
8	WORKTABLE W/ OVERSHELF	1	20	2- SECTION REFRIGERATOR	1
8.1	MOBILE WORKTABLE	1	21	TRASH CAN	4
9	MIXER	1	22	HOT FOOD TABLE	1
9.1	MIXER MOBILE STAND	1	23	STEAM KETTLE	1
10	INGREDIENT BINS	3	24	EQUIPMENT STAND	1
11	SLICER W/ 30" STAND	1	25	TEA BREWER BY OWNER	1
12	GAS GRIDDLE UNIT	1	26	COFFEE BREWER BY OWNER	1
			27	MOBILE HEATED CABINET	2

KITCHEN EQUIPMENT SCHEDULE					
NO.	DESCRIPTION	QTY.	NO.	DESCRIPTION	QTY.
28	EYE WASH STATION	1	40	STAINLESS STEEL PANELS	1
29	MOP SINK BY PLUMBING CONTR.	1	41	MOBILE WIRE SHELVING	1
30	BEVERAGE COUNTER	1	42	MED. TEMP. COIL	1
31	HEATED BANQUET CART	2	43	MED. TEMP. CONDENSOR	1
32	BOILED DISH TABLE	1	44	LOW TEMP. COIL	1
32.1	DISH RACK SHELF	2	45	LOW TEMP. CONDENSOR	1
32.2	MOBILE TRASH CAN	1	46	3 COMPARTMENT SINK	1
32.3	PRE-RINSE UNIT	1	46.1	WALL MOUNTED SHELF	1
33	CAN RACK	1	46.2	WALL MOUNTED POT RACK	1
34	WAREWASHER, CONVEYOR HIGH TEMP	1	46.3	FAUCET, SPLASH MOUNT	2
35	WALL MOUNTED SHELF	2	47	JUICE DISPENSER BY OWNER	1
36	CLEAN DISH TABLE	1	48	ICE MAKER W/ STORAGE BIN	1
37	CONDENSATE HOOD	1	49	WALL MOUNTED S.S. SPLASH GUARD	1
38	FIRE EXTINGUISHER: TYPE 'K' (SEE GEN. FLOOR PLAN NOTES)	3	50	48" FLY FAN W/ MICROSWITCH	1
39	MOBILE WIRE SHELVING	3	51	DECK MOUNT FAUCET	2

NOTE:

NON-COMBUSTIBLE METAL STUD WALL REQUIRED FOR FULL LENGTH OF KITCHEN EXHAUST HOOD AND WITHIN 18" OF HOOD WIDTH. WALL TO COMPLY WITH U.L. ASSEMBLY U-425.

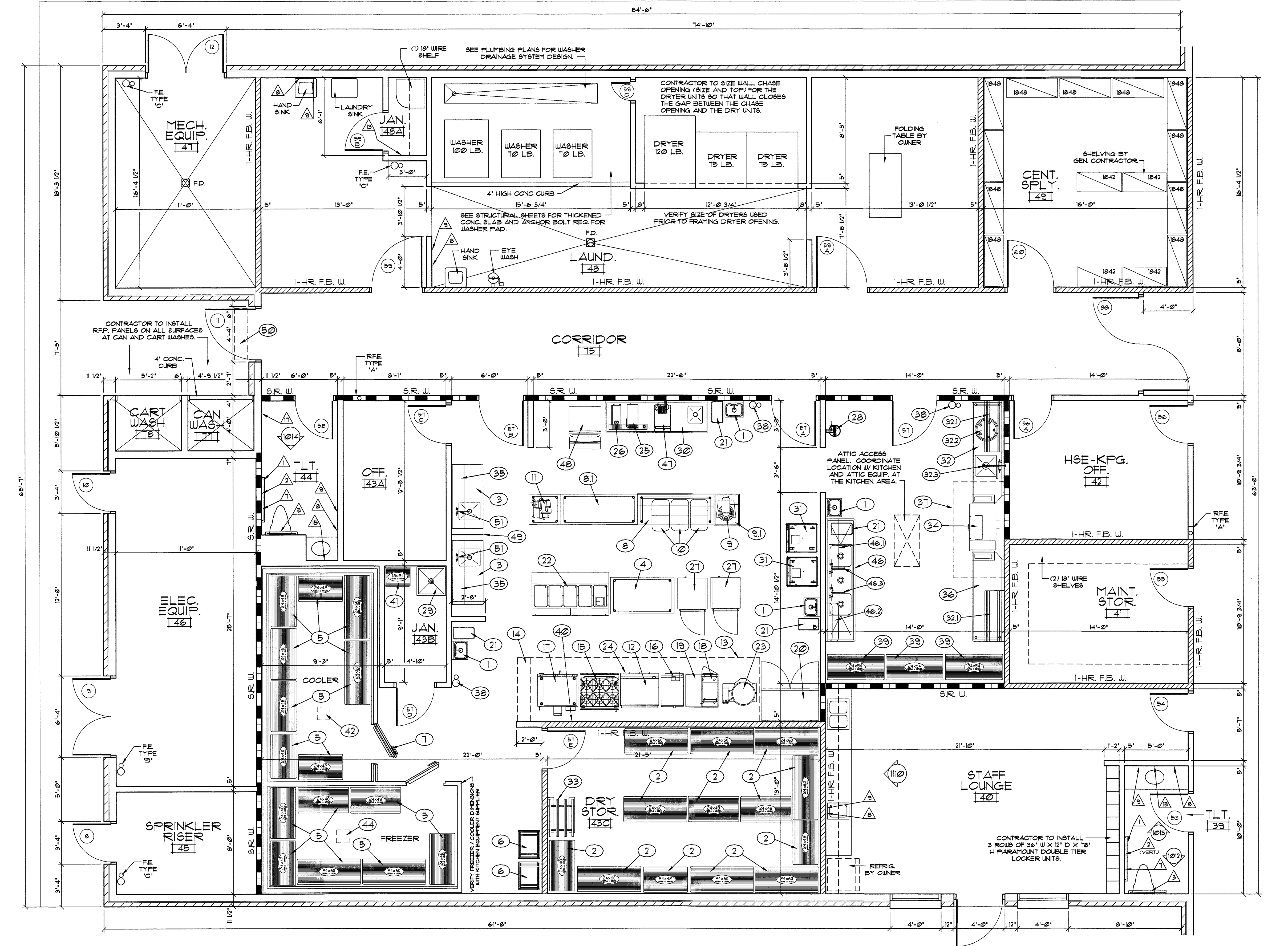
WALL RATING LEGEND

1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)

1-HOUR FIRE BARRIER WALL (1-HR. FB W)
REQUIRED BY TABLE 503 NC9BC

2-HOUR RATED FIREWALL / (2-HR. FW)
SMOKE BARRIER

SMOKE RESISTANT INCIDENTAL WALL (SR W)



FLOOR PLAN
SCALE: 1/4" = 1'-0"
KITCHEN / LAUNDRY / SERVICE AREA

David R. Polston
Architect

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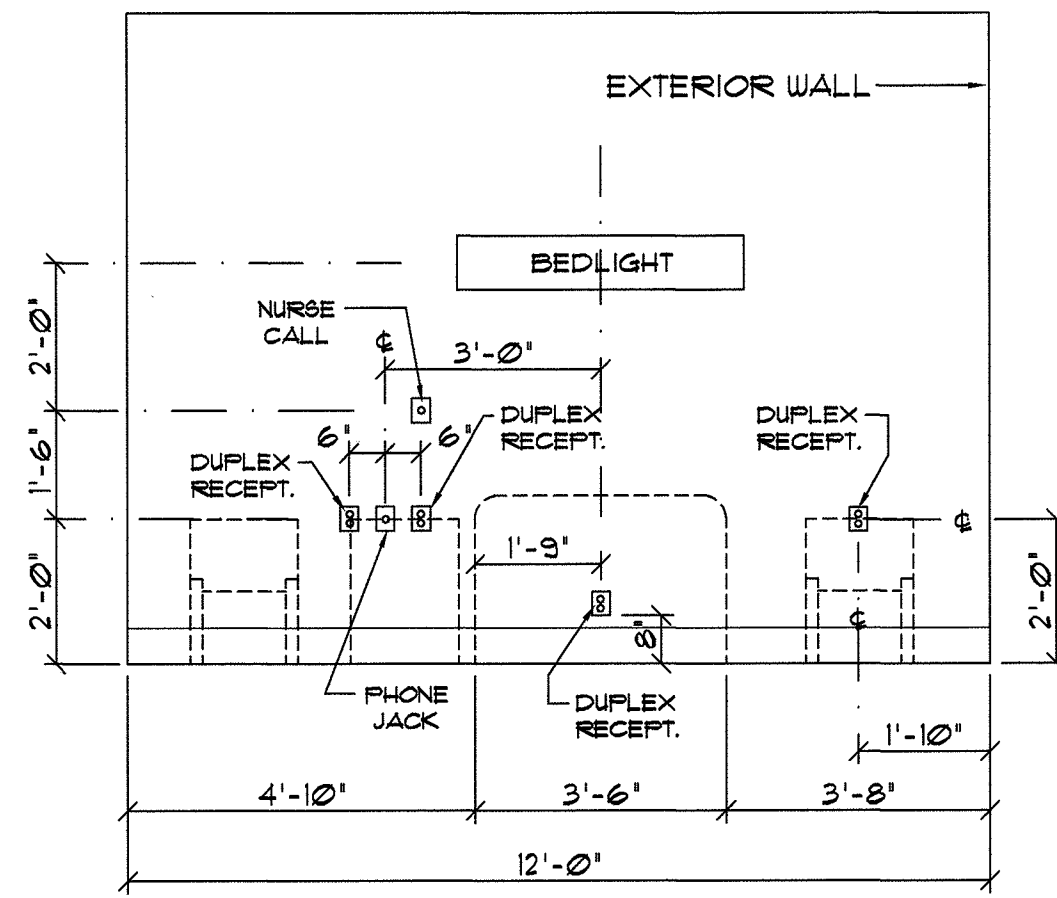
PRINCIPLE HEALTH CARE
WAKE COUNTY

3806 Park Ave. Suite C, Wilmington, NC 28403

Architecture Planning Design

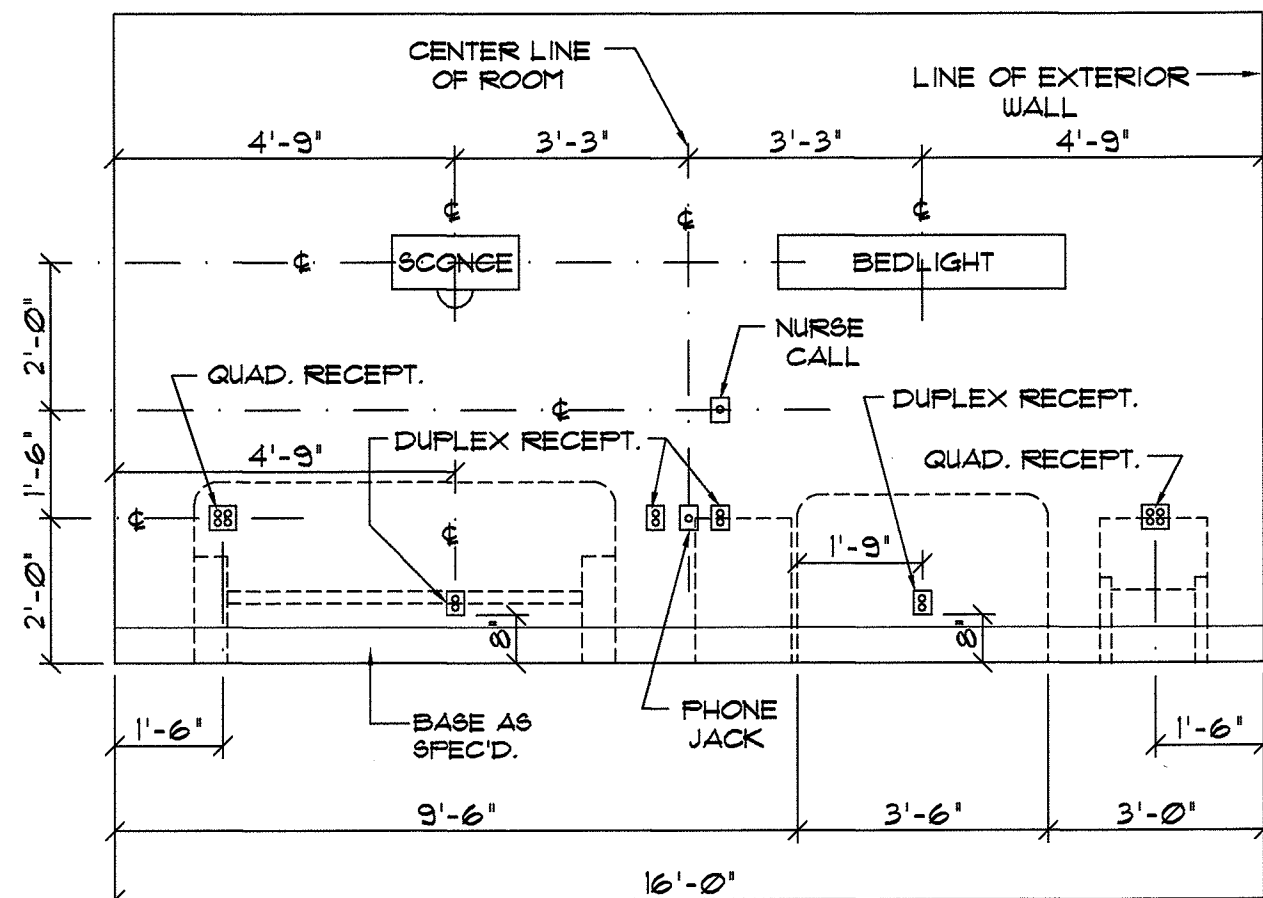
Holly Springs, North Carolina

SEE INTERIOR DESIGNER DRAWINGS FOR COMPLETE LAYOUT OF BEDWALL AND ADDITIONAL INFORMATION.



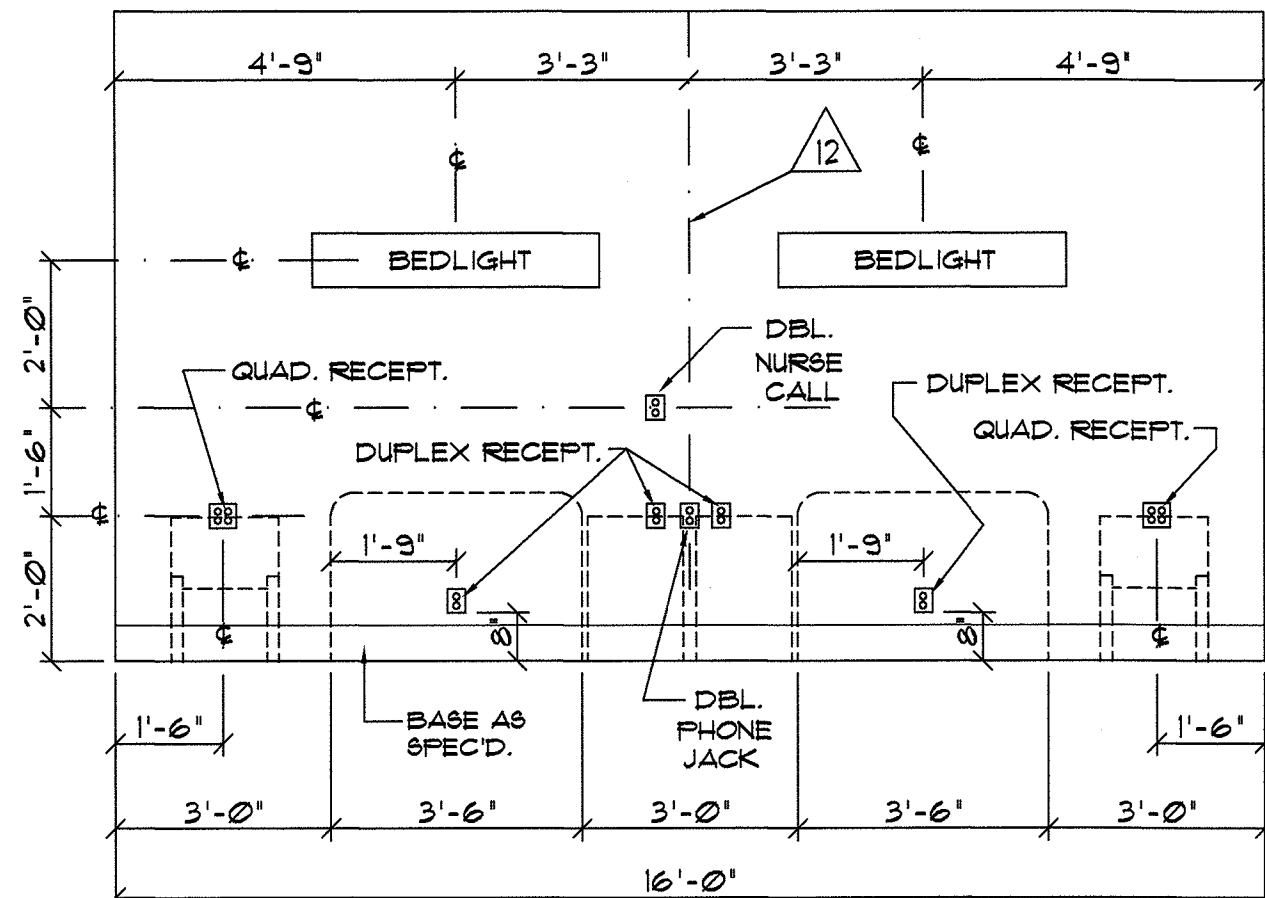
VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

SEE INTERIOR DESIGNER DRAWINGS FOR COMPLETE LAYOUT OF BEDWALL AND ADDITIONAL INFORMATION.

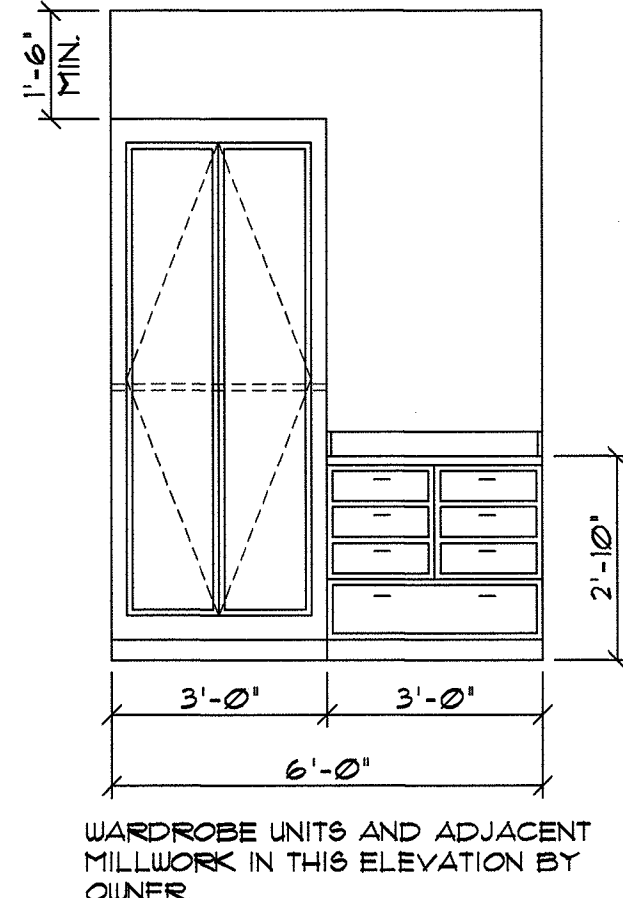


NOTE: INSTALL INPRO PROTECTIVE WALL COVERING AT BEDWALLS. SEE INTERIOR DESIGNER DRAWINGS FOR ADDITIONAL DISCRPTIONS.

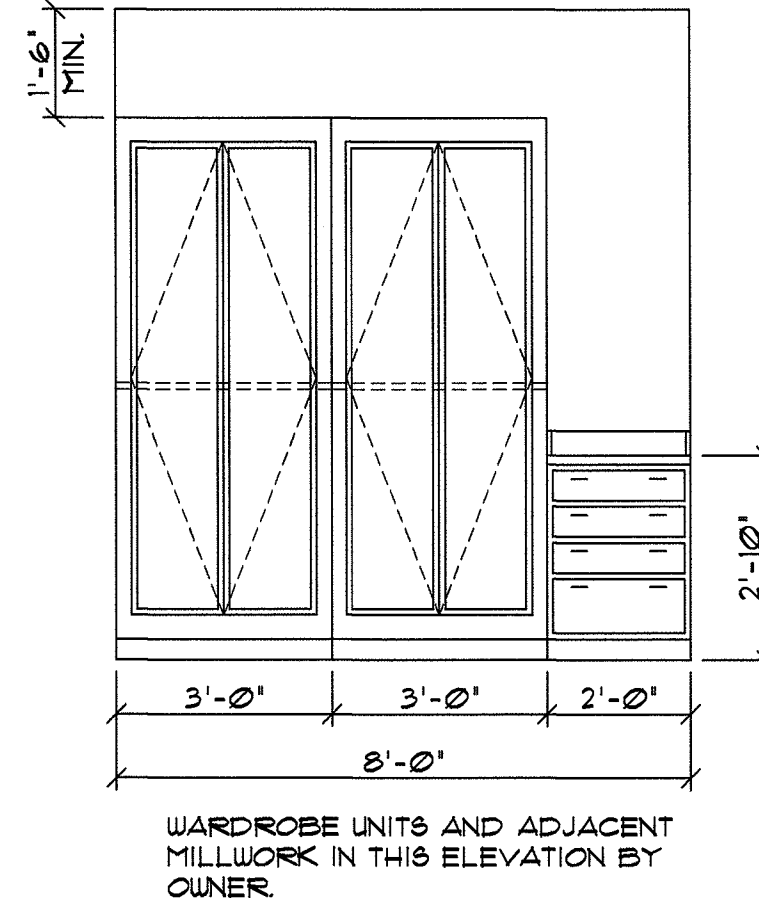
SEE INTERIOR DESIGNER DRAWINGS FOR COMPLETE LAYOUT OF BEDWALL AND ADDITIONAL INFORMATION.



NOTE: INSTALL INPRO PROTECTIVE WALL COVERING AT BEDWALLS. SEE INTERIOR DESIGNER DRAWINGS FOR ADDITIONAL DISCRPTIONS.



WARDROBE / MILLWORK TYPE ONE PRIVATE SUITE



WARDROBE / MILLWORK TYPE TWO PRIVATE / AND SEMI-PRIVATE BEDROOM SUITES

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

1002 ELEVATION BEDWALL FOR PRIVATE BEDROOM
SCALE: 3/8"=1'-0" (SEE 1/4" SCALE PLANS FOR LOCATION)

1003 ELEVATION BEDWALL FOR SEMI-PVT. BEDROOM
SCALE: 3/8"=1'-0" (SEE 1/4" SCALE PLANS FOR LOCATION)

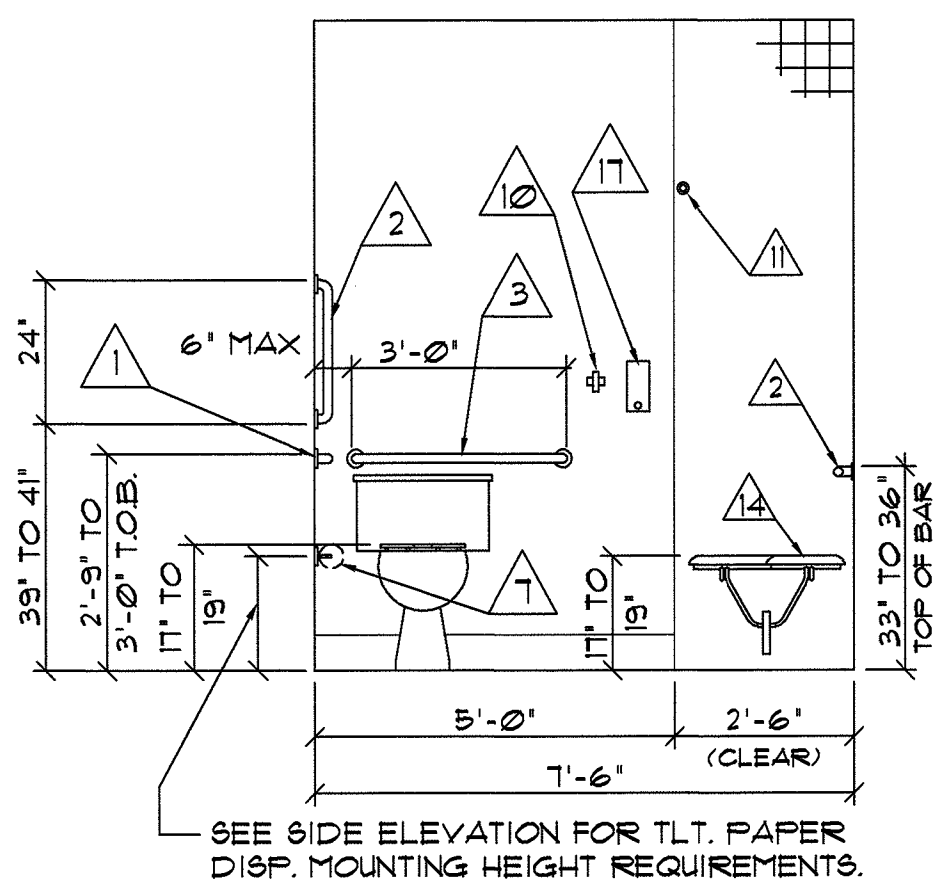
1004 ELEVATION
SCALE: 3/8"=1'-0"

1005 ELEVATION
SCALE: 3/8"=1'-0"

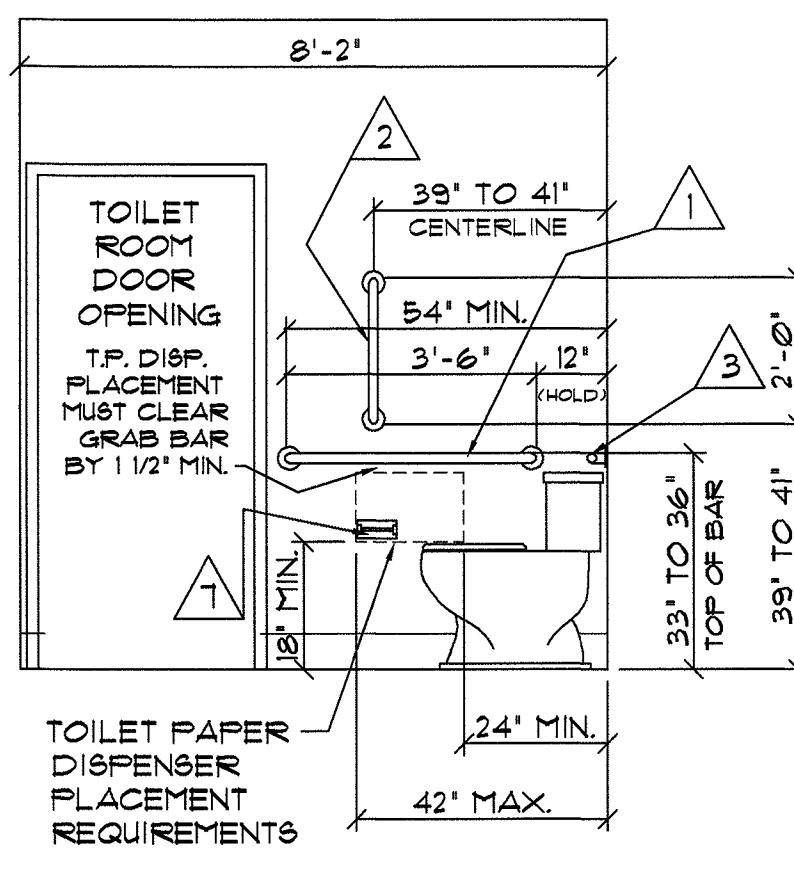
TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE			
Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"	10	ROBE HOOK	MOEN	DN6803BN
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"	11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B- 6806 x 36"	12	PRIVACY CURTAIN TRACK	ARNCO	1200
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"	13	MOP HOOK RACK	BY OWNER	
5	GRAB BAR- 1 1/2" X 30" LONG	BOBRICK	B- 6806 x 30"	14	SHOWER SEAT	SEACHROME	66R-260225 (NW)
6	TOILET BAR- 24" LONG	MOEN	DN6824BN	15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43399 SATIN NIKKEL FINISH
7	TOILET PAPER DISPENSER	MOEN	DN6828BN	16	TUB SEAT	BY OWNER	
8	SOAP DISP.- WALL MNTD.	BY OWNER	INSTALL BY G.C.	17	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	18	SHOWER SEAT	SEACHROME	66R-320225 (NW)

TOILET ACCESSORY NOTES:

- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATIONS FOR LOCATION OF TOILET ACCESSORIES.
- G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
- PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
- MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
- TOILET ACCESSORY ITEMS * 8, * 9, AND * 11 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
- TOILETS ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH.
- 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.

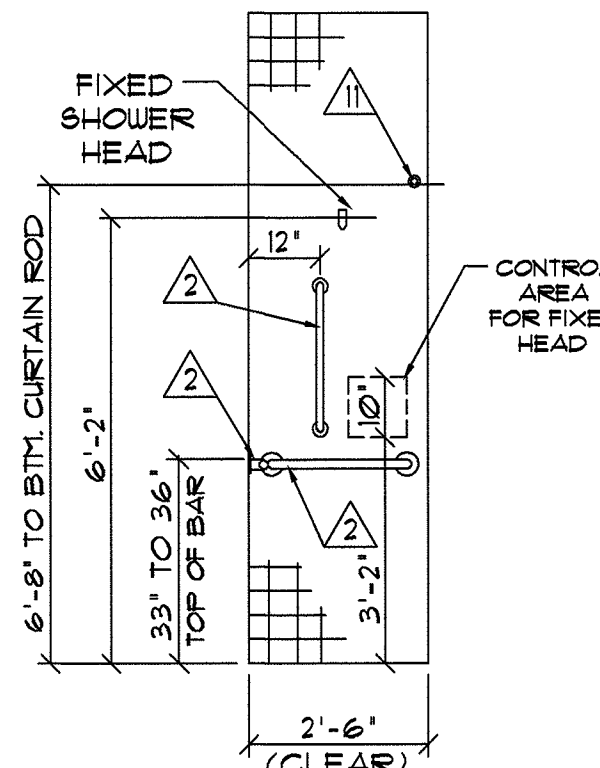
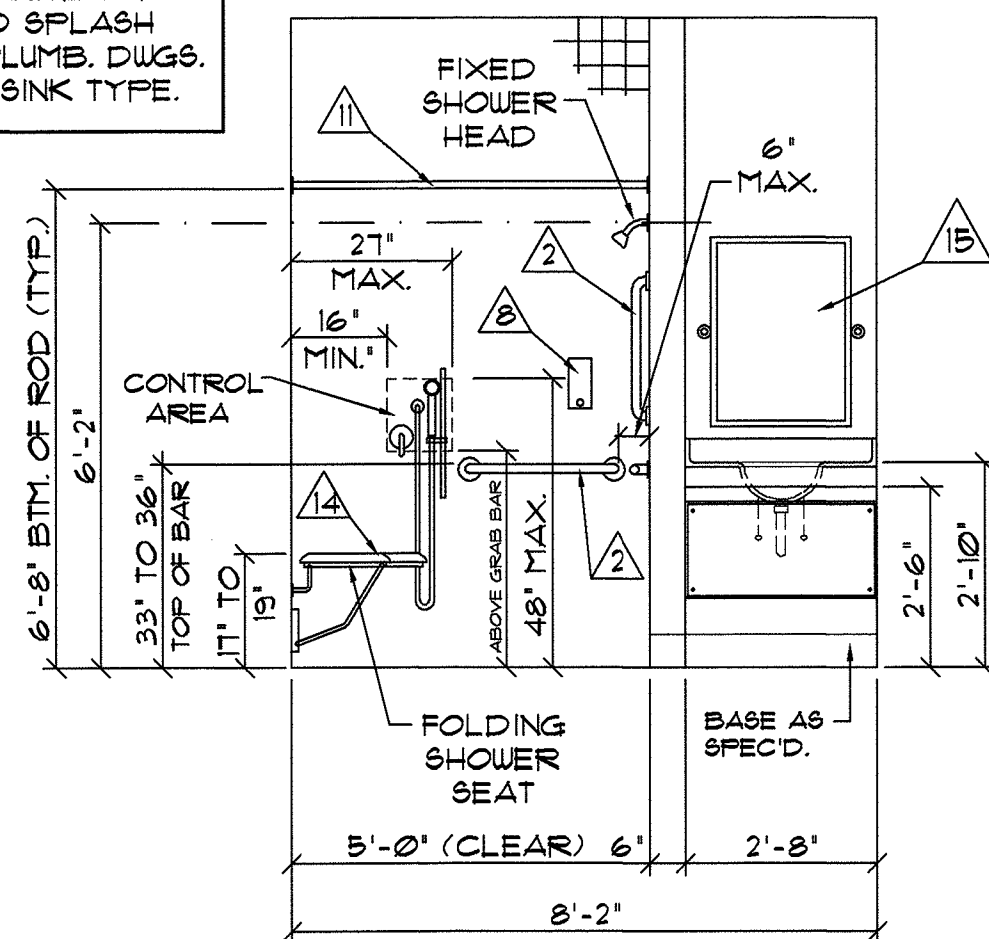


SEE SIDE ELEVATION FOR TLT. PAPER DISP. MOUNTING HEIGHT REQUIREMENTS.

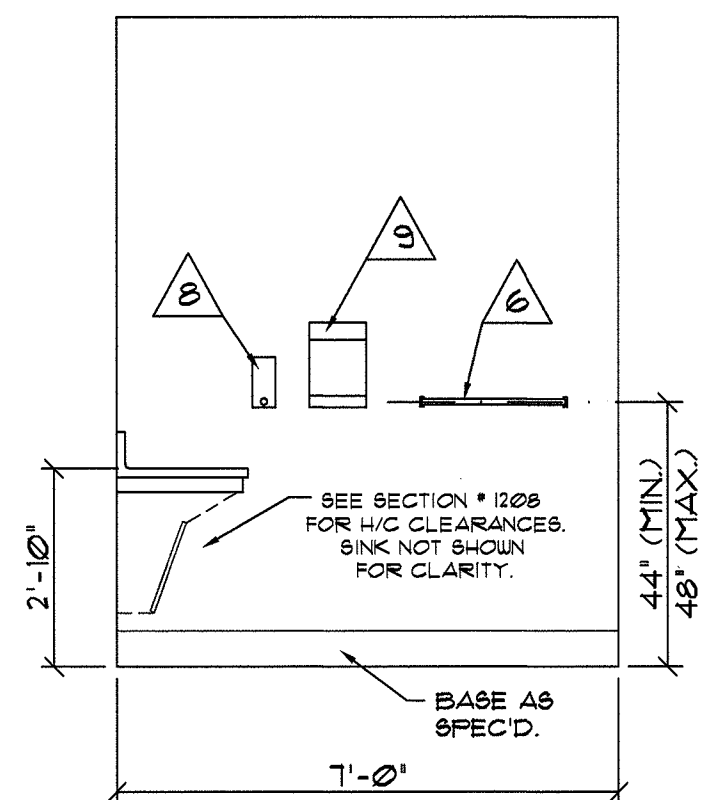


TOILET PAPER DISPENSER PLACEMENT REQUIREMENTS

GRANITE TOP AND SPLASH SEE PLUMB. DWGS. FOR SINK TYPE.



FIXED SHOWER HEAD WALL AT TYPICAL BEDROOM SUITE TOILET ROOMS



TYP. ACCESSORIES WALL AT TYP. BEDROOM SUITE TOILET ROOMS

WARDROBE NOTES - (Elevs. * 1004 & 1005)

- WARDROBE CLOSET ROD TO BE 48" 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 WARDROBE UNITS HAVE A MINIMUM OF 36 CUBIC FEET OF STORAGE SPACE FOR N.H. BEDS AND 48 CUBIC FEET FOR H.A. BEDS. HALF OF THIS SPACE MUST BE HANGING STORAGE. (THIS CUBIC FEET REQUIREMENT IS PER RESIDENT)
- CONTRACTOR TO VERIFY AND COORDINATE LOCATIONS OF ELECTRICAL AND T.V. 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.
- VERIFY MILLWORK IN ELEVATIONS * 1004 AND * 1005 WITH INTERIOR DESIGNER DRAWINGS.

NIGHTSTAND NOTE:

EACH RESIDENT NIGHTSTAND DRAWER TO HAVE LOCK FOR SECURE STORAGE OF RESIDENTS' PERSONAL ITEMS.

PRIVACY CURTAIN NOTES:

PRIVACY CURTAIN IS TO BE PROVIDED AND INSTALLED BY THE OWNER.

PRIVACY CURTAINS TO BE FLAME RETARDANT AND HAVE 1/2" DIAMETER OPEN MESH FOR A MINIMUM OF 18" HEIGHT AT THE TOP OF THE CURTAIN.

NOTE: SEE INTERIOR DESIGNER DRAWINGS FOR ALL INTERIOR FINISHES AND ADDITIONAL INTERIOR DETAILS AND REQUIREMENTS.

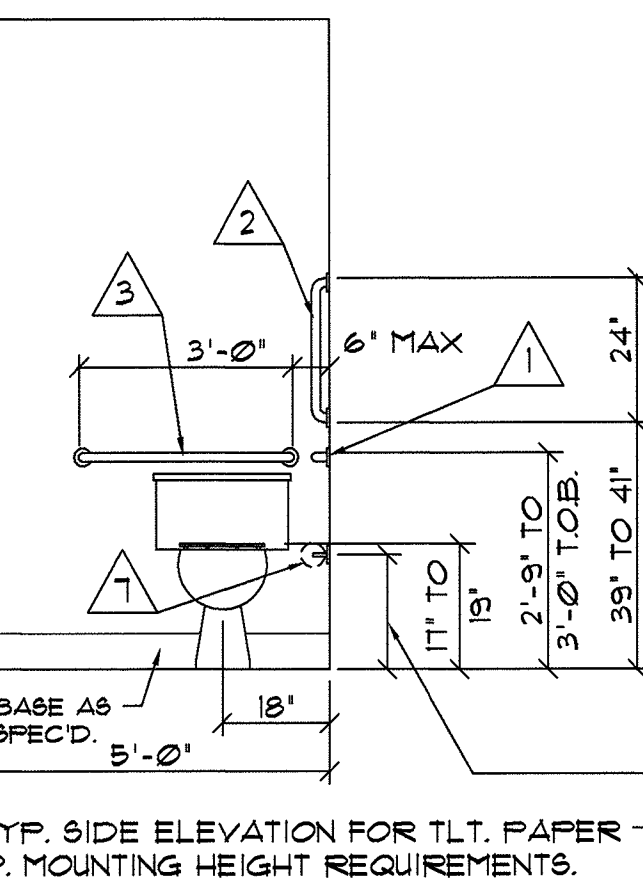
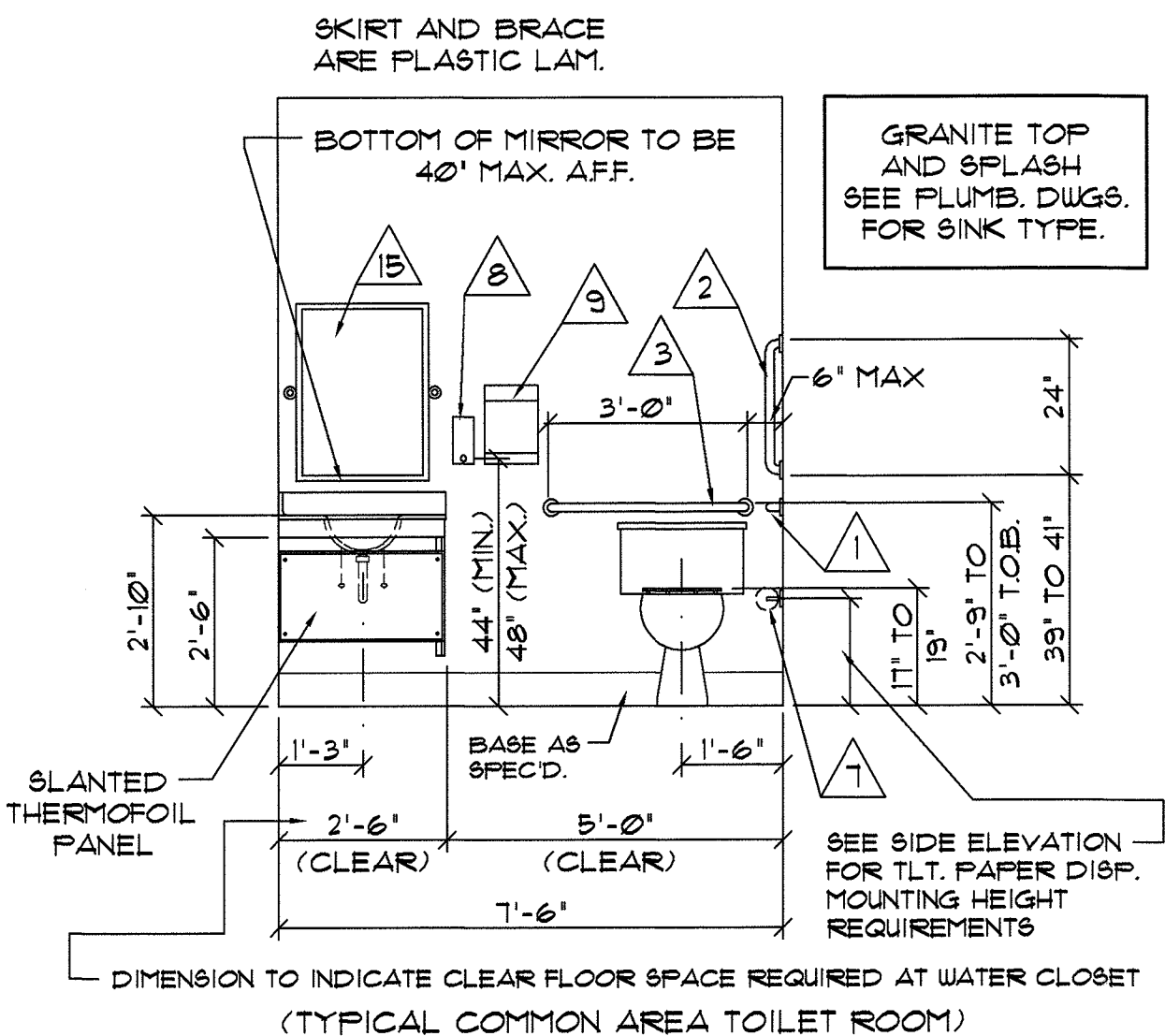
1006 ELEVATION
SCALE: 3/8"=1'-0"

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

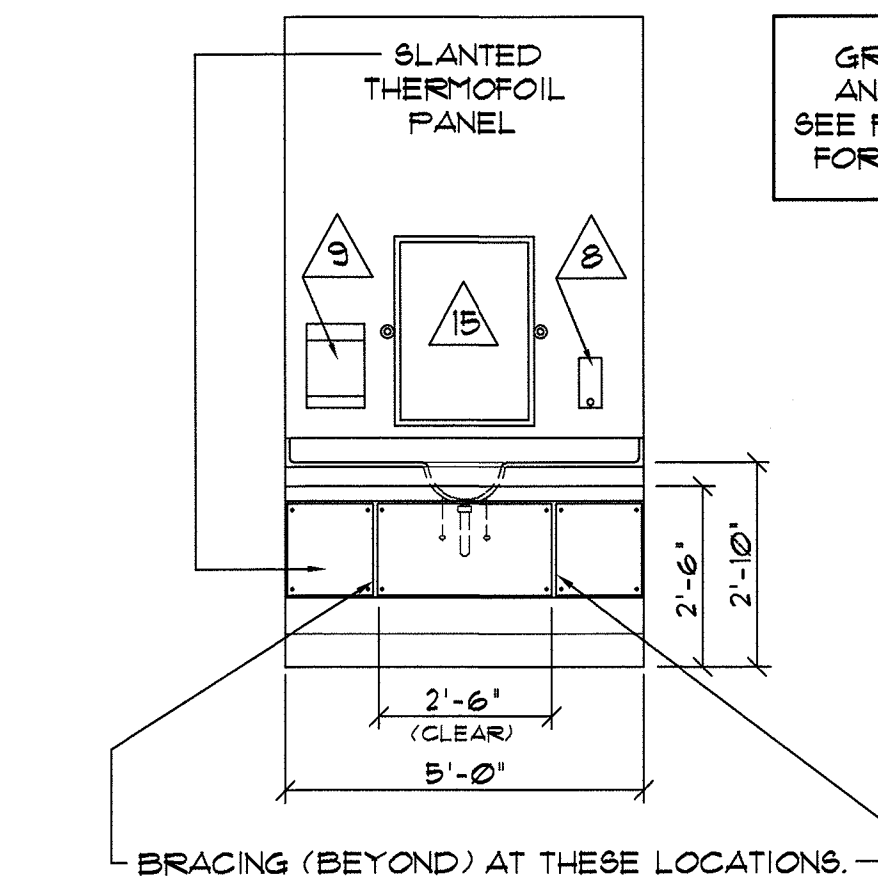
1008 ELEVATION SHOWER CONTROL WALL
SCALE: 3/8"=1'-0" TYPICAL BEDROOM SUITE TOILET ROOMS

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

1010 ELEVATION
SCALE: 3/8"=1'-0"

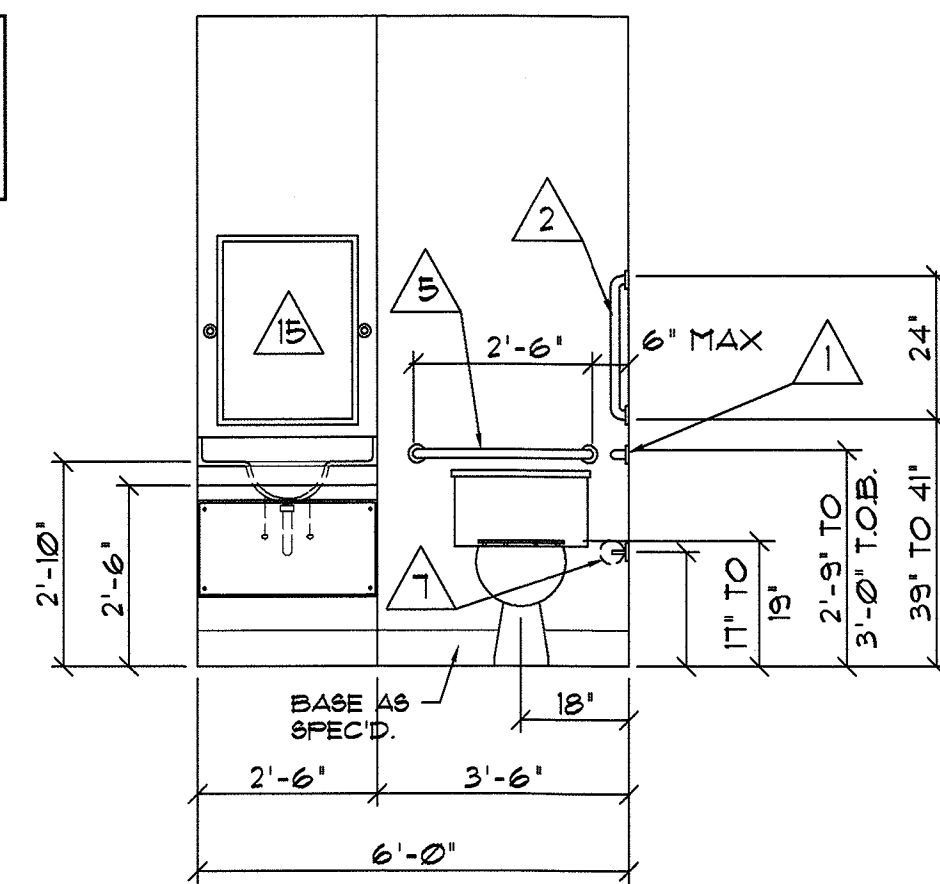


WATER CLOSET WALL AT TOILET ROOM # 39

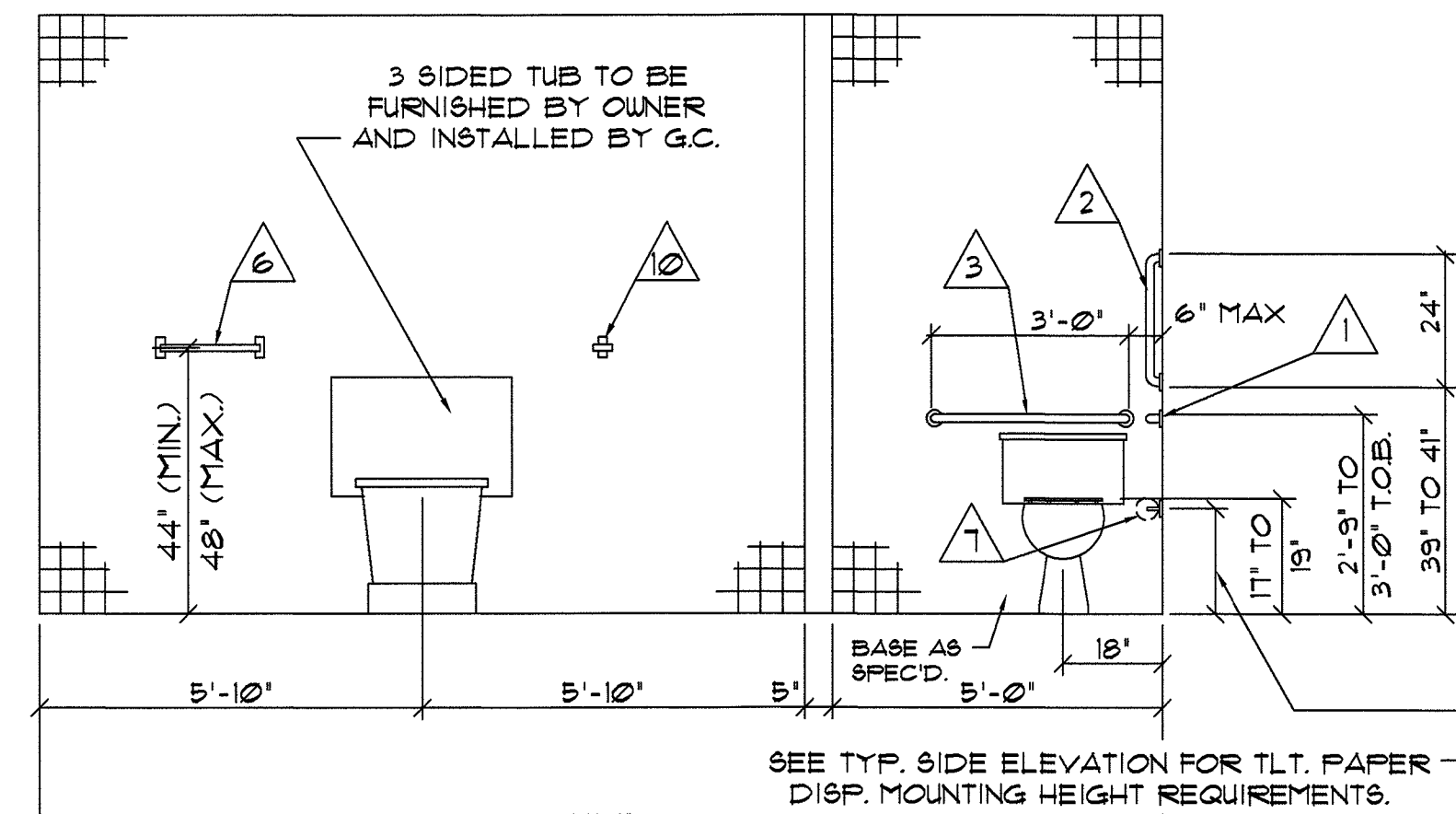


LAVATORY VANITY AT TOILET ROOM # 39 AND TUB ROOMS # 35

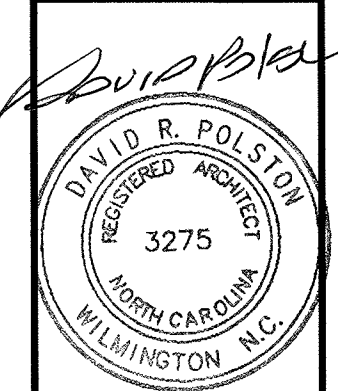
GRANITE TOP AND SPLASH SEE PLUMB. DWGS. FOR SINK TYPE.



1014 ELEVATION TOILET # 44
SCALE: 3/8"=1'-0"



1015 ELEVATION TUB ROOM # 35
SCALE: 3/8"=1'-0"



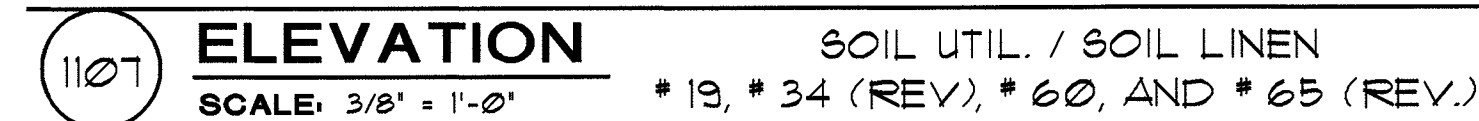
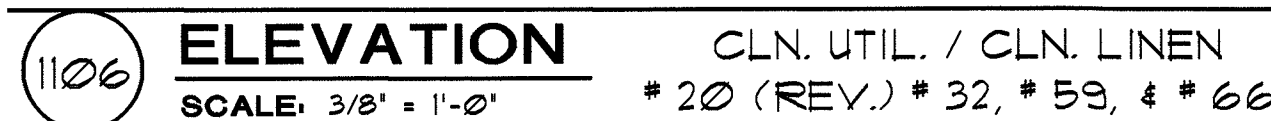
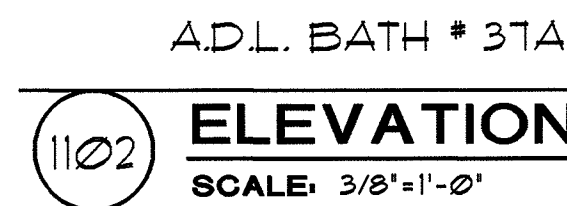
PRINCIPLE HEALTH CARE
WAKE COUNTY

Holly Springs, North Carolina

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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.

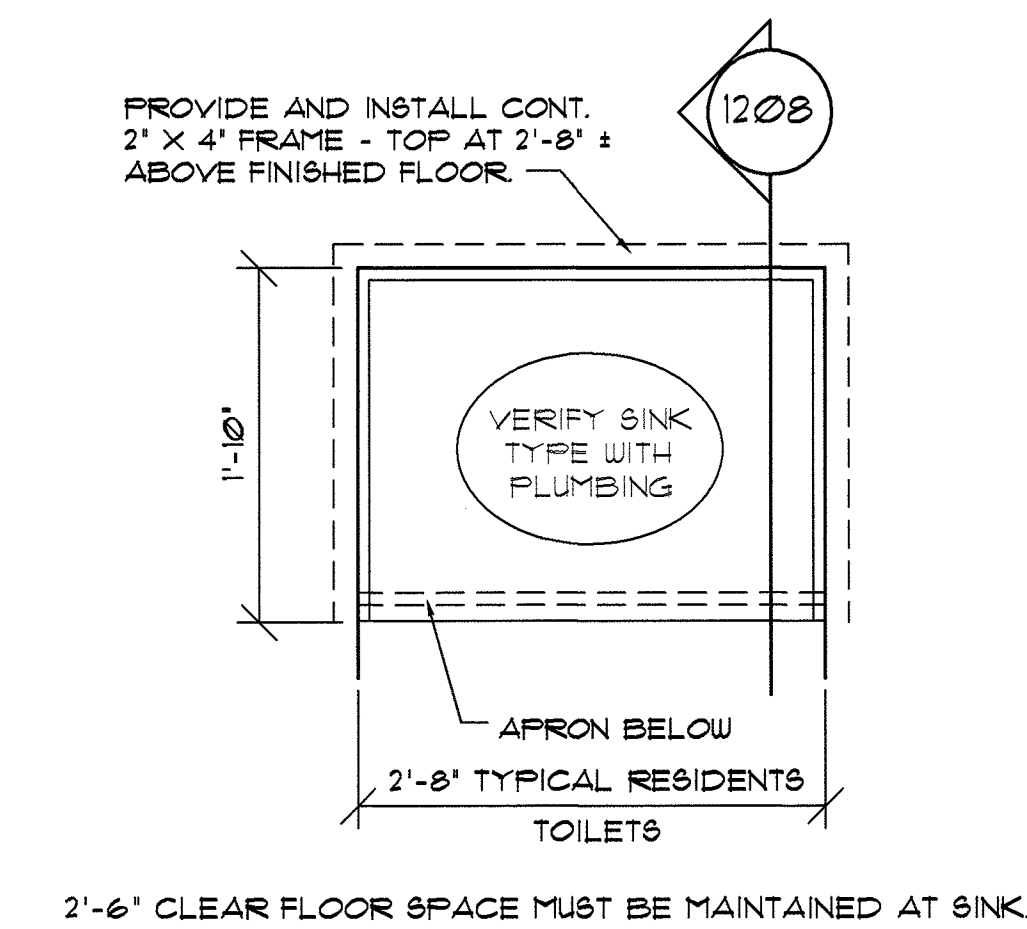
3-15-2016

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Holly Springs, North Carolina

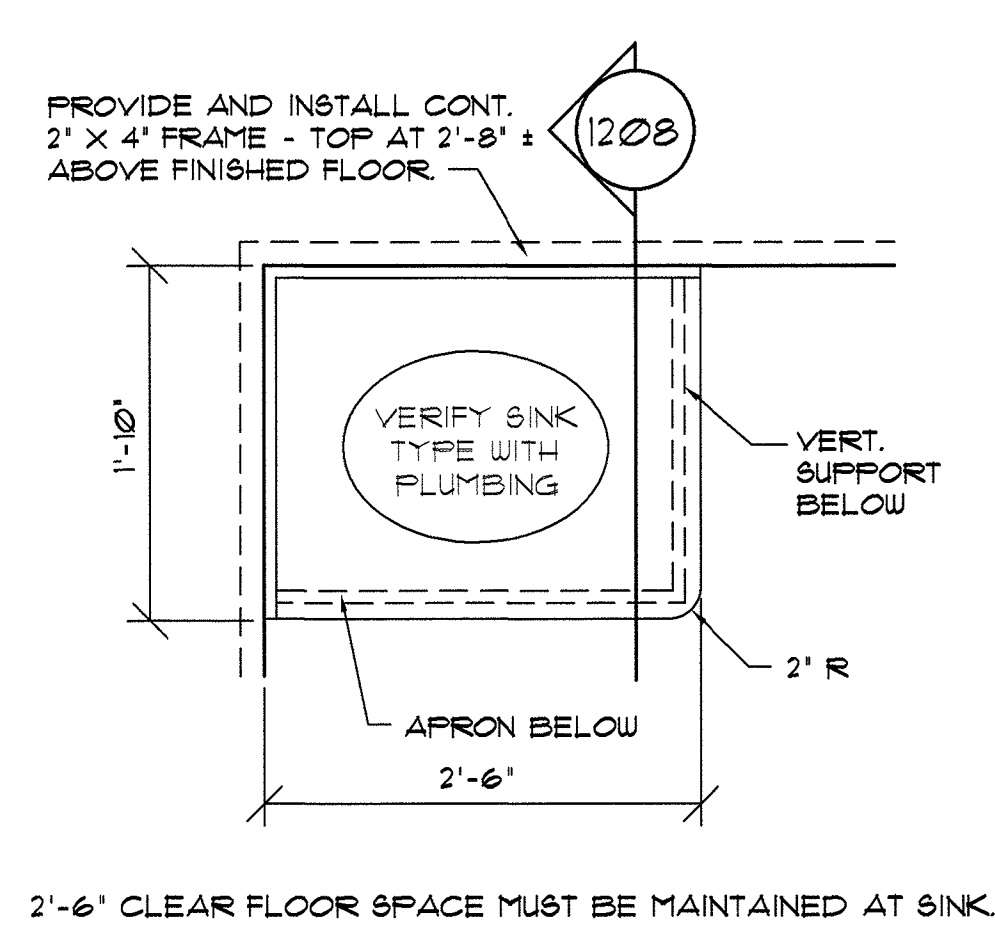
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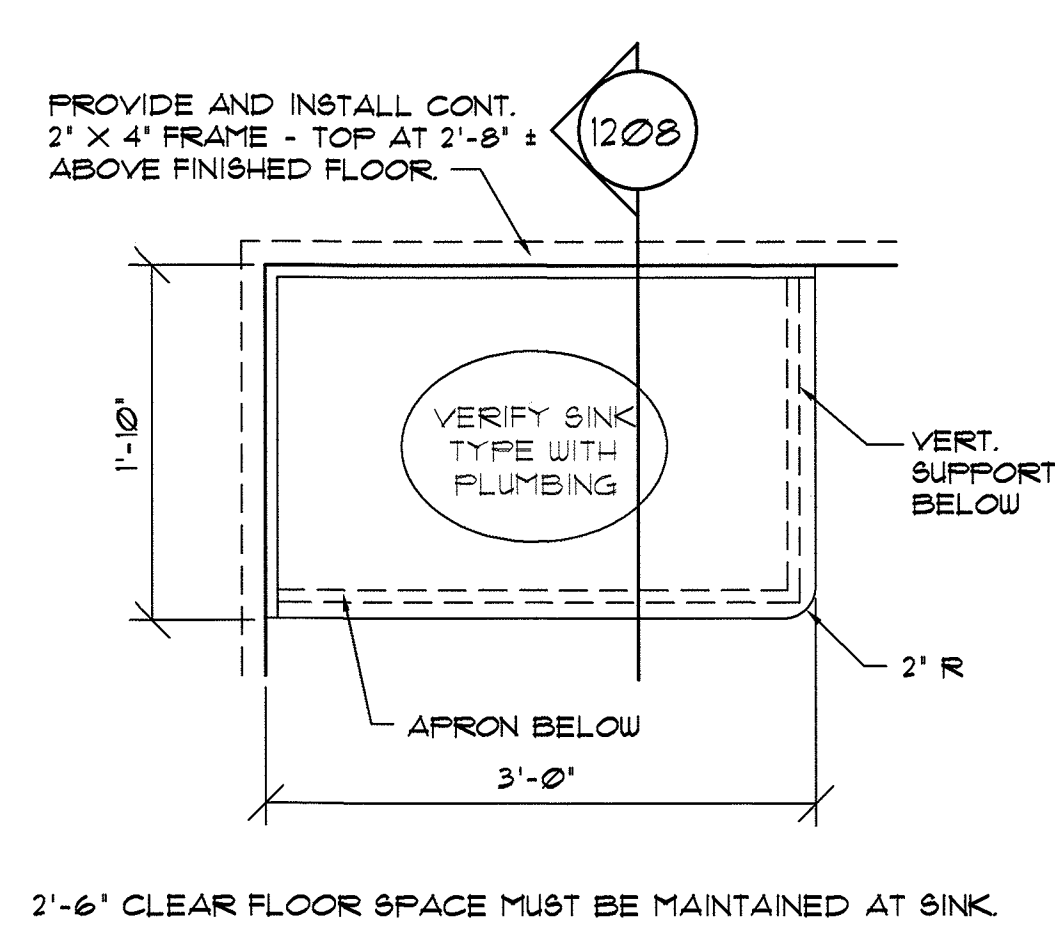
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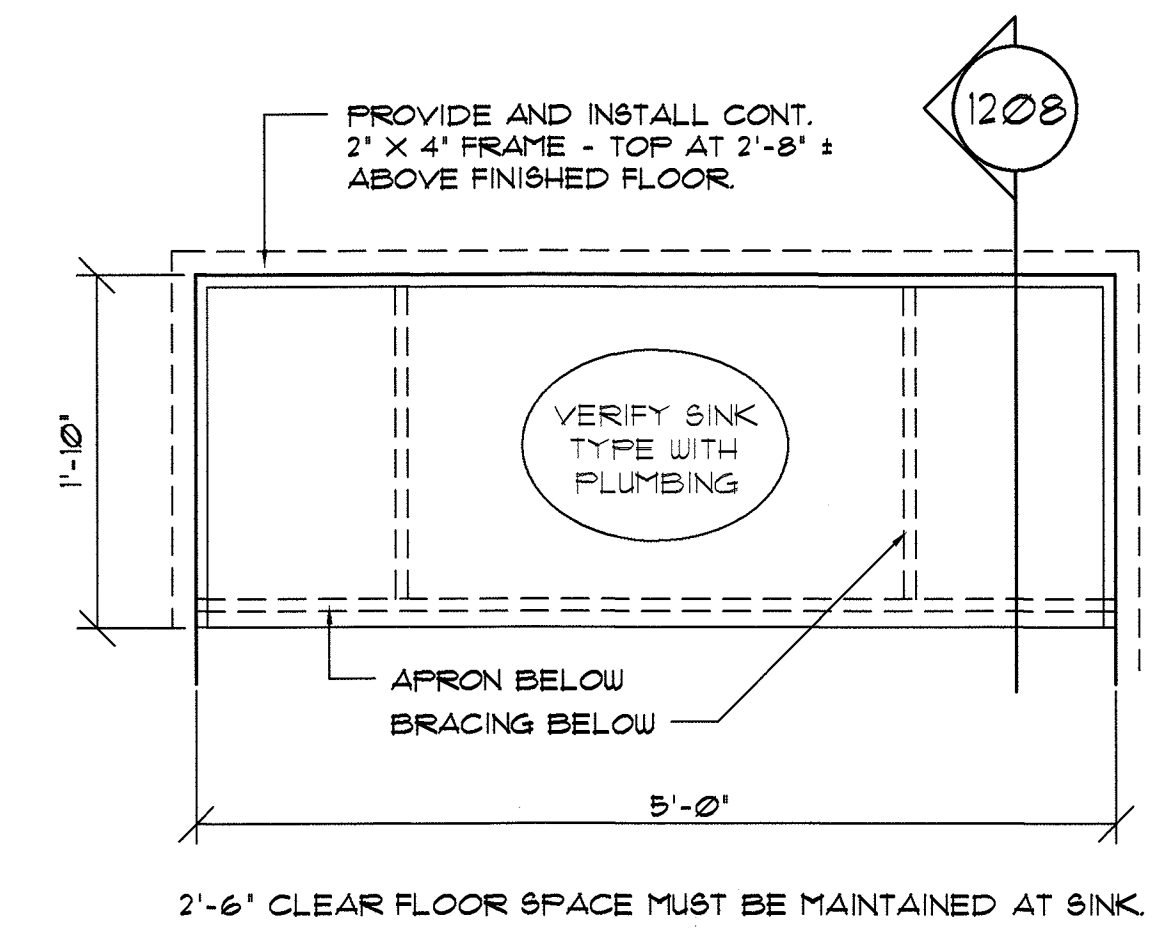
1201 DETAIL VANITY @ TYPICAL
SCALE: N.T.S. RESIDENTS TLT. LOCATIONS



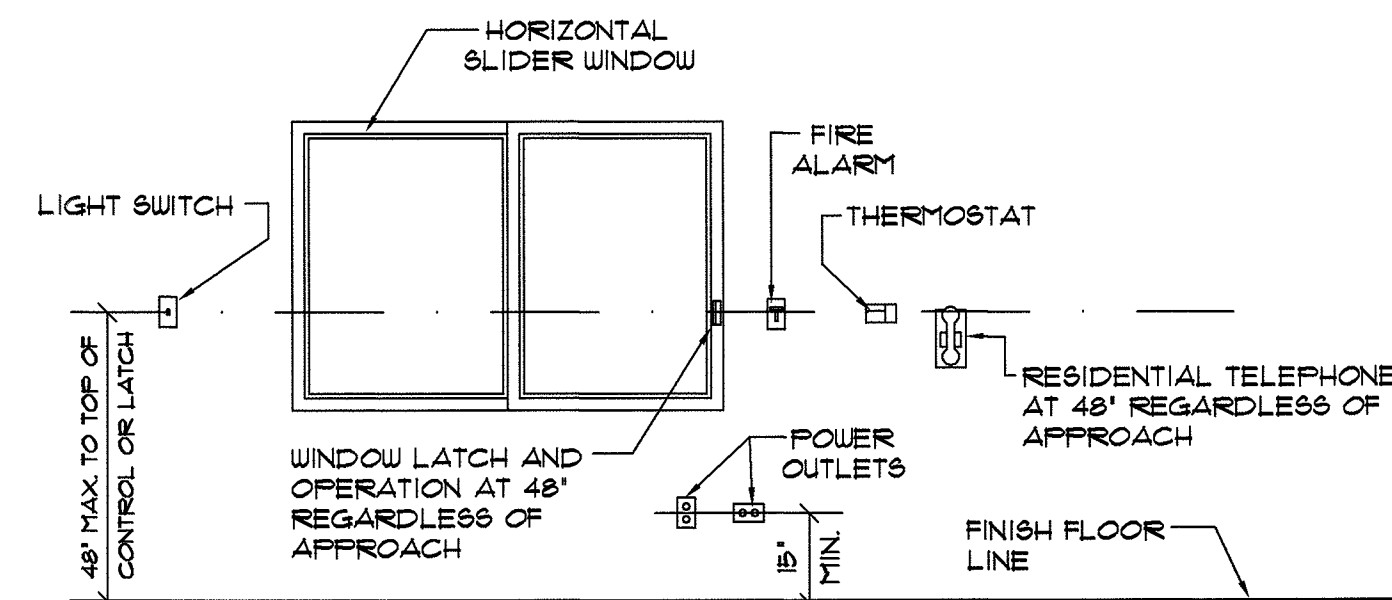
1202 **DETAIL** VANITY @ TYP. NON-RECESSED
SCALE: N.T.S. TOILET ROOM LOCATIONS



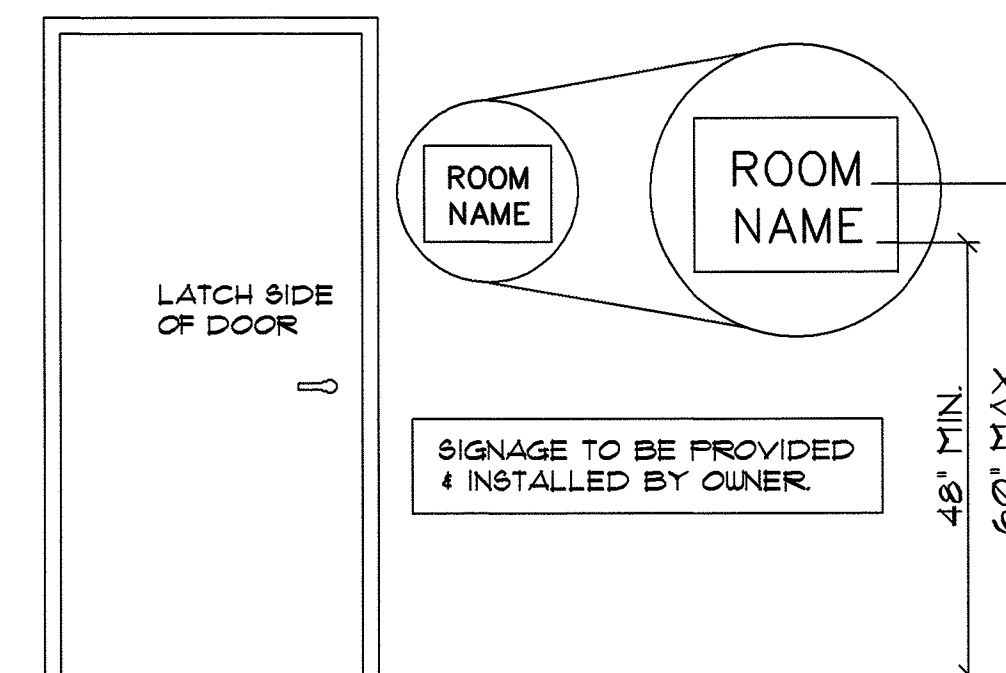
1203 **DETAIL** VANITY @ TYP. NON-RECESSED
SCALE: N.T.S. TLT. RMS. # 15, # 32, # 58, & # 69



1204 **DETAIL** VANITY AT
SCALE: N.T.S. 5'-0" WIDE LOCATIONS



1205 **DETAIL** MOUNTING HEIGHT REQUIREMENTS
SCALE: N.T.S.



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 WITHIN 3:5 & 1:1. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10

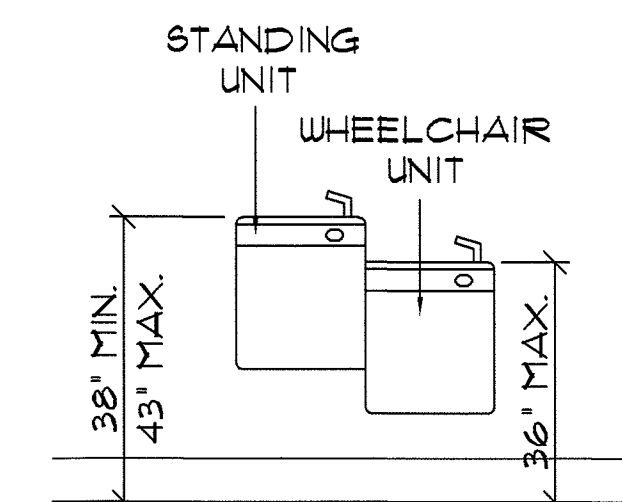
CHARACTER HEIGHT: MIN. CHARACTER HEIGHT SHALL BE 3'.

RAISED & BRAILED CHARACTERS & PICTORIAL SYMBOL SIGNS (PICTOGRAMS): RAISED 1/32" MIN. UPPER CASE. BARS SERIF OR SIMPLE SERIF ACCOMPANIED BY A 2" BRAILED RAISED CHARACTER AT LEAST 5/8" HIGH. NO HIGHER THAN 7". PICTO. ACCOMPANIED BY EQUIVALENT DESCRIPTION DIRECTLY BELOW PICTOGRAM. BORDER DIMENSION 6" MIN. HT.

FINISH & CONTRAST: CHARACTERS & BACKGROUND EGGSHELL MATTE. OR OTHER NON-GLARE RAISED CHARACTERS WITH CONTRAST WITH BACKGROUND A EITHER LIGHT ON DARK OR DARK ON LIGHT.

MOUNTING LOCATION & HEIGHT:

PERMANENT IDENTIFICATION INSTALLED ADJACENT TO LATCH SIDE OF DOOR, ADJACENT TO THE LEAST WALL SPACE. ADJACENT TO THE LEAST WALL. PLACE OF MOUNTING AND MIN. MOUNTING HEIGHT SHALL BE 6'0" ABOVE FIN. FLOOR TO CENTERLINE OF SIGNAGE. SO THAT PERSON MAY APPROACH WITHIN 3' OF SIGNAGE WHO PROTRUSION OR SWING OF DOOR.



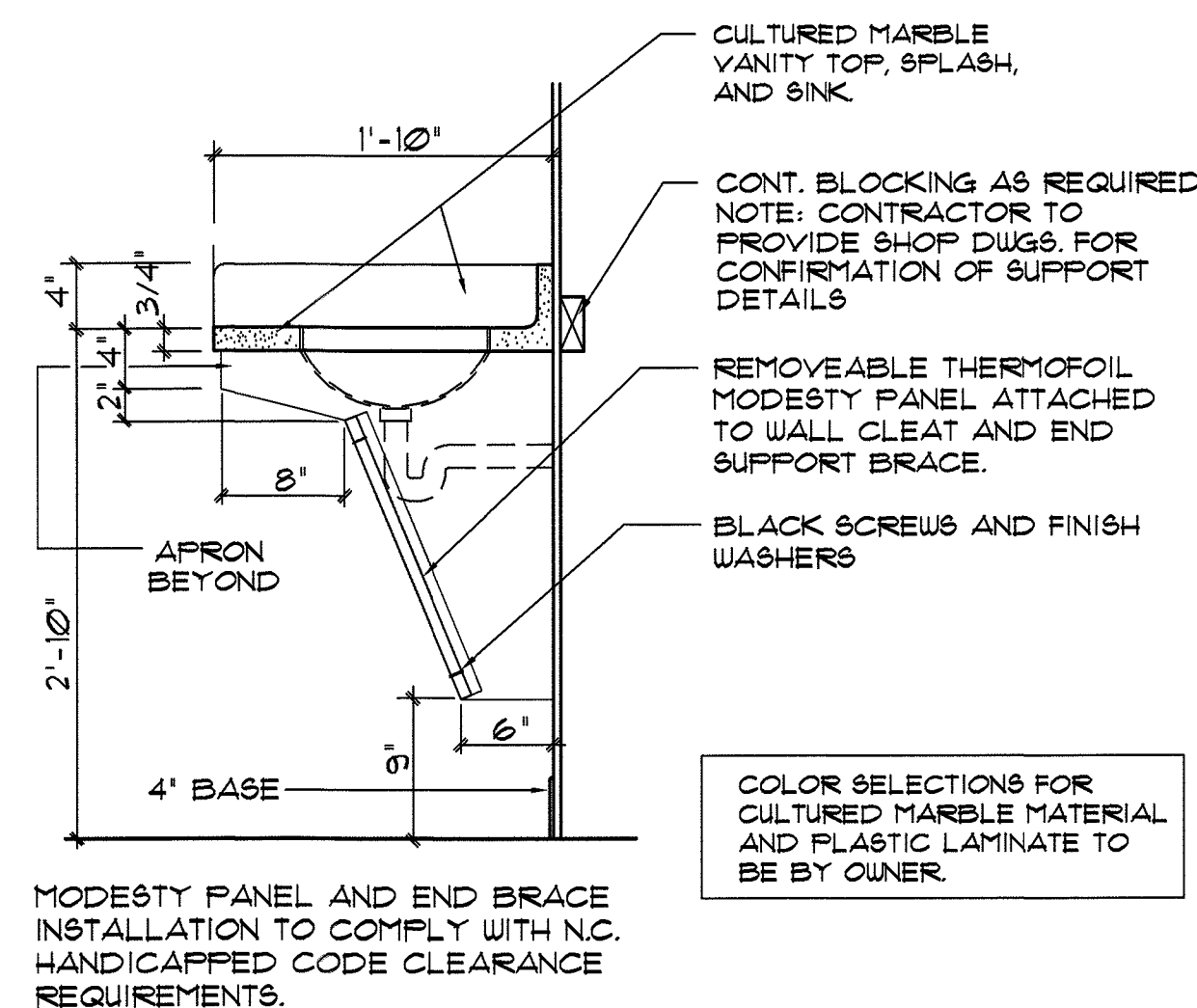
1207 DETAIL WATER COOLER MOUNTING REQUIREMENTS
SCALE: N.T.S.

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

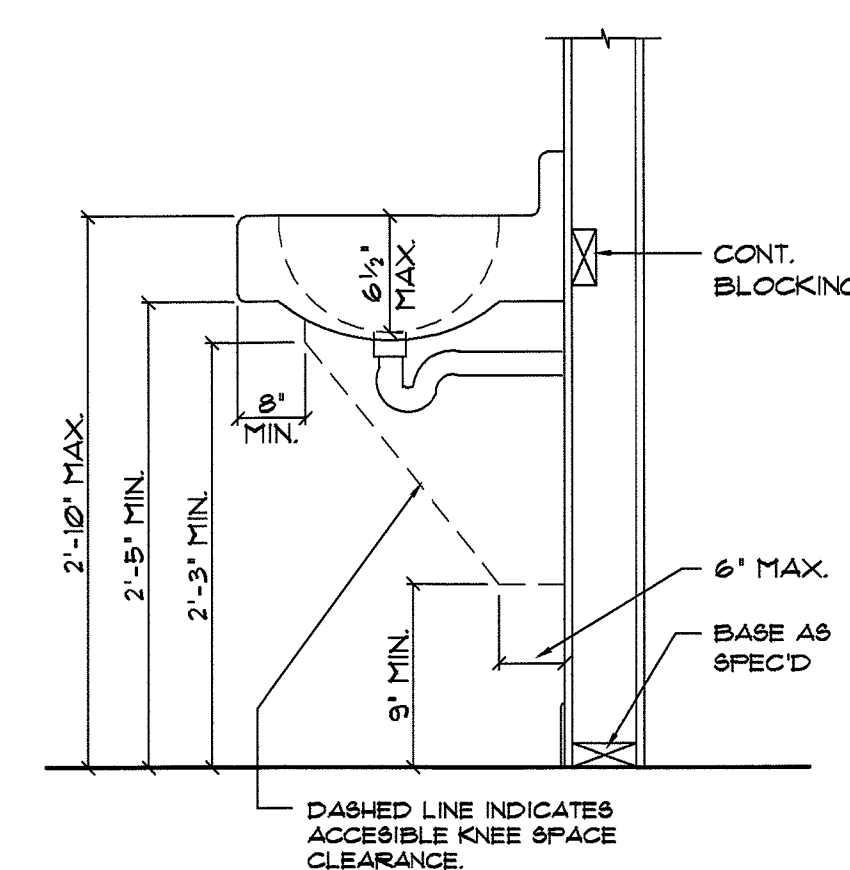
NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

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

NOTE: CONTRACTOR TO VERIFY ALL MILLWORK FINISH MATERIALS AND COLORS WITH INTERIOR DESIGNER / OWNER PRIOR TO FABRICATION / INSTALLATION.

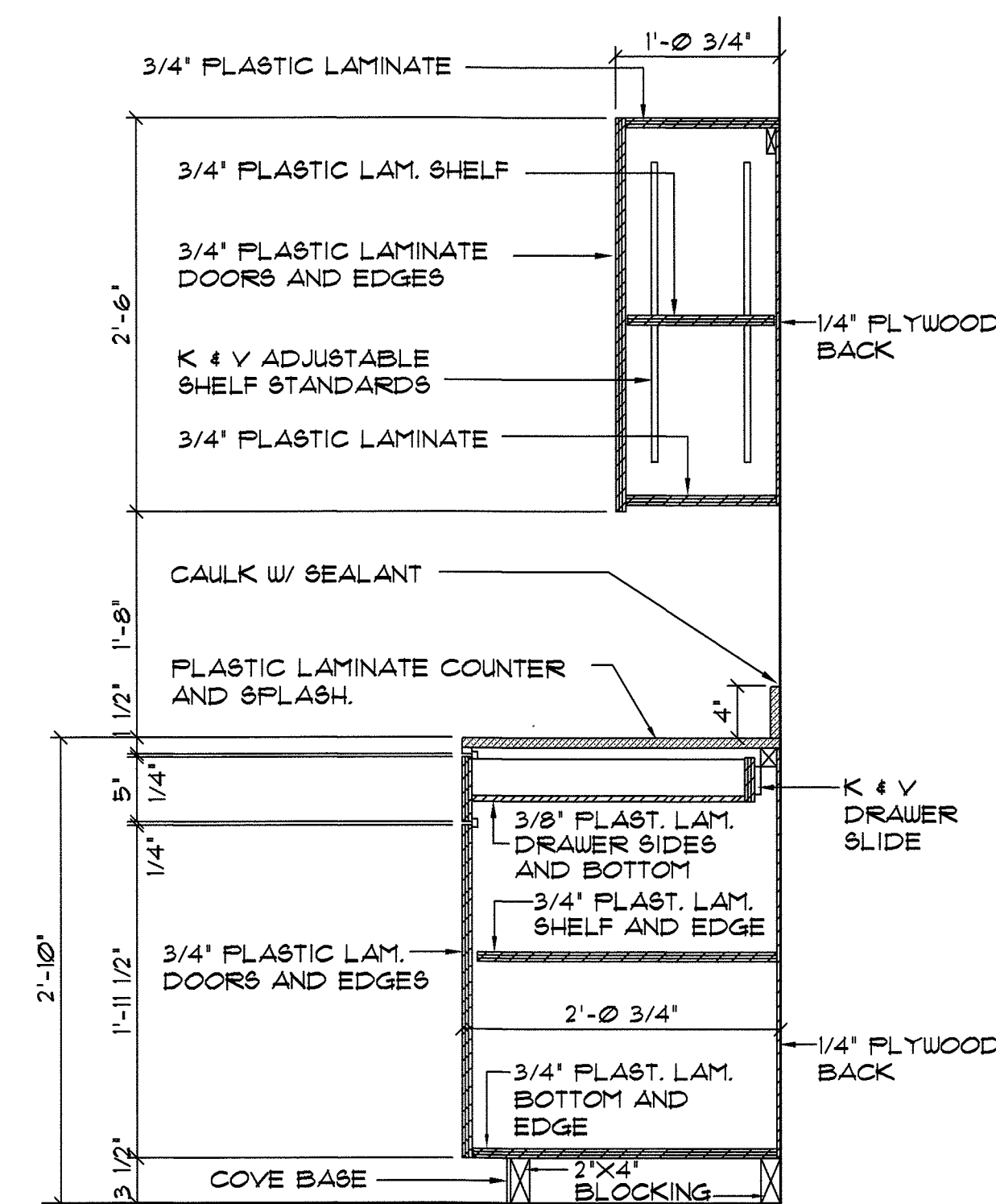


1208 **DETAIL** TYPICAL PATIENT TOILET
SCALE: 1" = 1'-0" ROOM VANITY SECTION

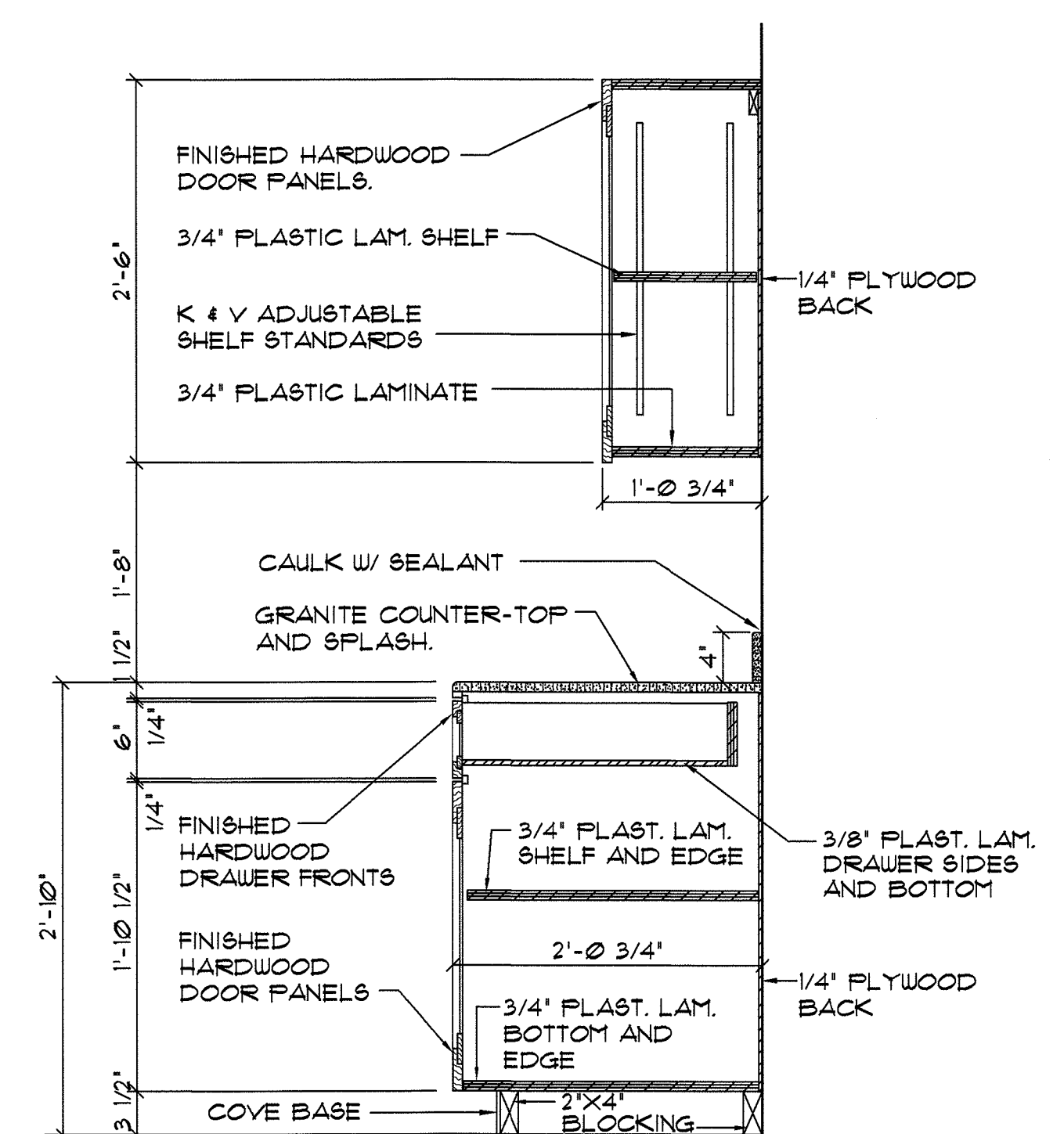


CLEARANCES FOR WALL-HUNG LAVATORY FOR H/C ACCESSIBILITY

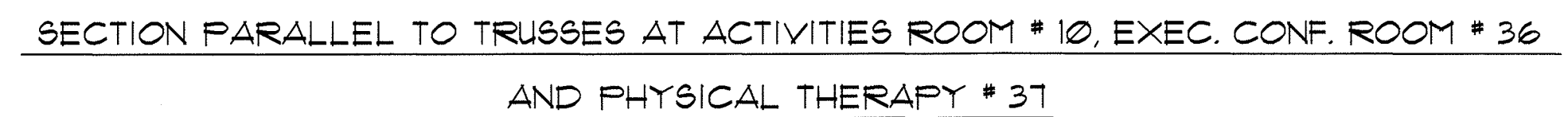
1209 **DETAIL**
SCALE: 1" = 1'-0"



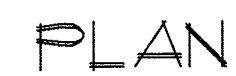
1210 **DETAIL** TYPICAL CABINETS
SCALE: 1" = 1'-0" (STAFF SUPPORT LOCATIONS)



1211 **DETAIL** TYPICAL CABINETS
SCALE: 1" = 1'-0"
(THERAPY SUITE)

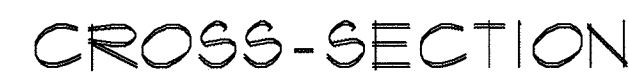


(1301)



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



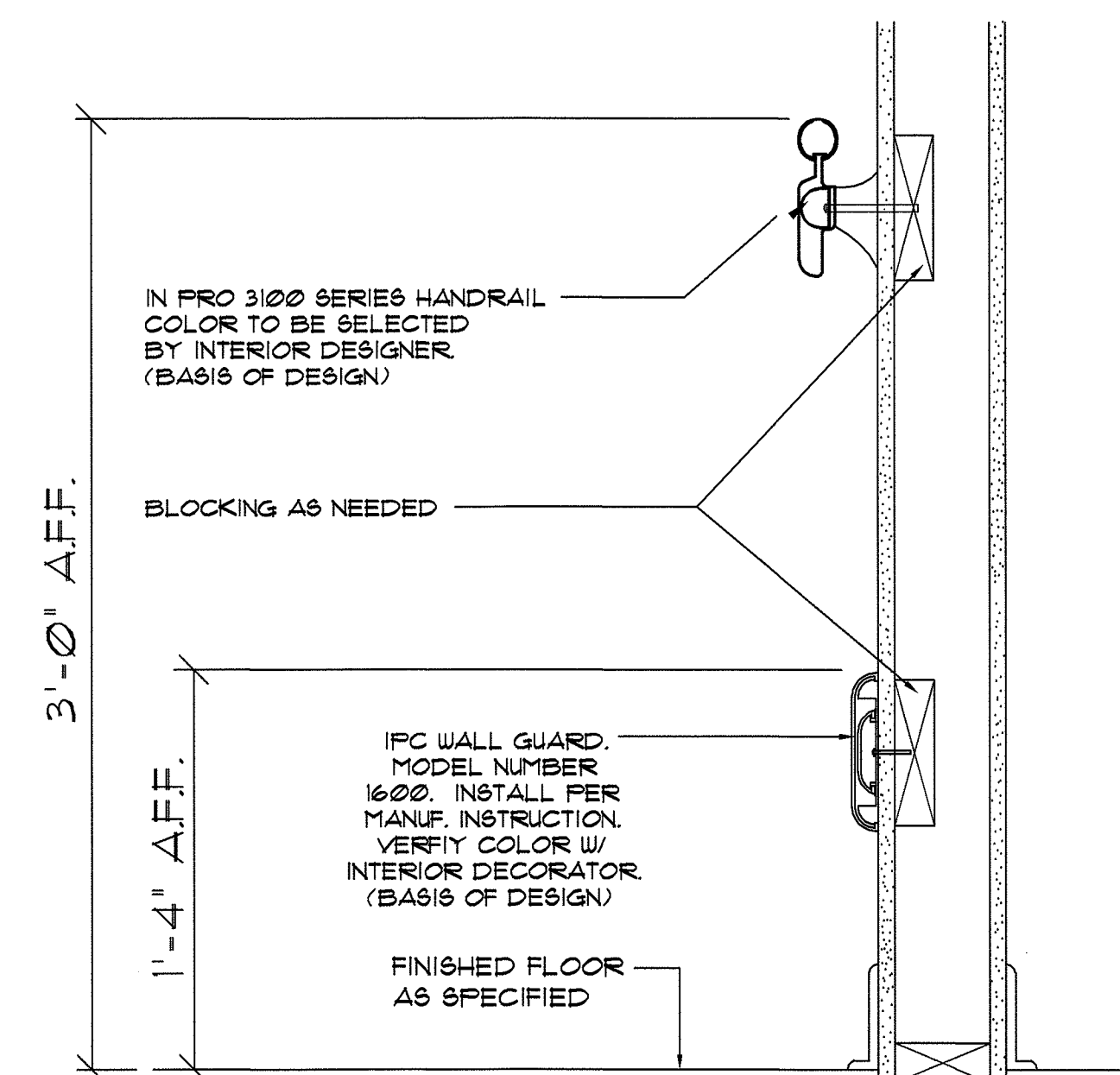
TYPE 'C' :
SAME AS TYPE 'A' EXCEPT
NOT RECEIVED

TYPE 'D' :
POTTER-ROEMER NO. 3260
2A:1B:C:K
REQUIRED AT KITCHEN

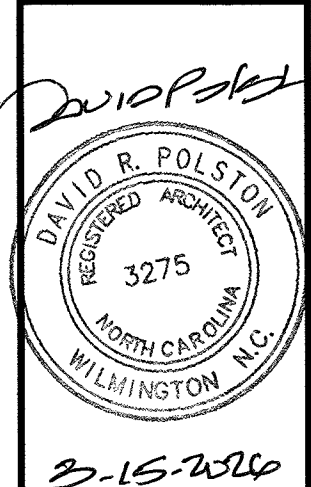
CABINETS:
POTTER-ROEMER NO. 1724RR
VERIFY THE OPENING SIZE
OPENING SIZE 10' X 25' X 3 7/8"



(1303)



(1304



PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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

120 BED
NURSING FACILITY

A
14

DOOR AND FRAME SCHEDULE									
DOOR NO.	DOOR SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRAME TYPE	HARDWARE SET	REMARKS
1	STANLEY DURA-GLIDE 2000 SERIES SINGLE SLIDE LEFT HAND AUTOMATIC - WHITE COLOR - 96" W								
2	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
3	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
4	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
5	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
6	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
7	7'-4" X 7'-0"	ALUM.	2	---	ALUM.	---	1	D	
7A	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	1	D	
8	3'-0" X 7'-0"	HUM	3	---	HUM	---	4	C	FOAM CORE INSULATED
9	6'-0" X 7'-0"	HUM	4	---	HUM	---	4	C	FOAM CORE INSULATED
10	3'-0" X 7'-0"	HUM	3	---	HUM	---	4	C	FOAM CORE INSULATED
11	4'-0" X 7'-0"	HUM	5	---	HUM	---	4	D	FOAM CORE INSULATED
12	6'-0" X 7'-0"	HUM	4	---	HUM	---	4	C	FOAM CORE INSULATED
13	7'-4" X 7'-0"	ALUM.	2	---	ALUM.	---	1	D	
14	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
15	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
16	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
17	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
18	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	D	
19	STANLEY DURA-GLIDE 2000 SERIES SINGLE SLIDE LEFT HAND AUTOMATIC - WHITE COLOR - 96" W								
20	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
21	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
22	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
23	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	DOOR DELETED
24	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
25	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
26	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
27	3'-8" X 7'-0"	SCW	10	LRDA	HUM	---	5	F	
27A	3'-8" X 7'-0"	SCW	10	LRDA	HUM	---	5	F	
28	3'-0" X 7'-0"	SCW	5	LRDA	HUM	---	5	F	
29	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
30	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
31	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
32	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
33	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
34	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
35	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
36	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
37	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
38	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
39	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
40	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
41	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
42	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
43	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
44	3'-0" X 7'-0"	SCW	5	LRDA	HUM	---	5	F	
45	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
46	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
47	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
48	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
49	3'-8" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
50	3'-0" X 7'-0"	SCW	5	LRDA	HUM	---	5	F	
50A	3'-0" X 7'-0"	SCW	5	LRDA	HUM	---	5	F	
51	7'-4" X 7'-0"	SCW	11	LRDA	HUM	---	5	L	
51A	7'-4" X 7'-0"	SCW	11	LRDA	HUM	---	5	L	

DOOR AND FRAME SCHEDULE									
DOOR NO.	DOOR SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRAME TYPE	HARDWARE SET	REMARKS
51B	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	J	
51C	4'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
51D	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	F	
51E	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	F	
51F	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	J	
51G	3'-0" X 7'-0"	SCW	5	---	HUM	---	5	F	
51H	3'-8" X 7'-0"	SCW	5	---	HUM	---	5	F	
51I	5'-0" X 7'-0"	SCW	4	---	HUM	---	5	M	
52	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
53	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
54	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
55	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
56	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
56A	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
57	3'-6" X 7'-0"	SCW	5	LRDA	HUM	---	5	H	
57A	3'-6" X 7'-0"	SCW	5	LRDA	HUM	---	5	H	
57B	3'-6" X 7'-0"	SCW	5	LRDA	HUM	---	5	H	
57C	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	F	
57D	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	H	
57E	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	
58	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
59	4'-0" X 7'-0"	SCW	7	45MIN	HUM	45MIN	5	H	'S' LABEL
59A	4'-0" X 7'-0"	SCW	7	45MIN	HUM	45MIN	5	H	'S' LABEL
59B	3'-0" X 7'-0"	SCW	3	---	HUM	---	5	H	
59C	1'-6" X 7'-0"	SCW	3	---	HUM	---	5	F	
60	4'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	F	'S' LABEL
61	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
62	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
63	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
64	3'-8" X 7'-0"	SCW	3	LRDA	HUM	---	5	I	
65	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
66	3'-0" X 7'-0"	SCW	10	LRDA	HUM	---	5	F	
67	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
68	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	H	
69	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
70	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
71	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
72	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
73	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
74	3'-0" X 7'-0"	SCW	3	45MIN	HUM	45MIN	5	H	'S' LABEL
75	3'-8" X 7'-0"	SCW	10	LRDA	HUM	---	5	F	
76	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
77	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
78	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
79	3'-0" X 7'-0"	SCW	3	LRDA	HUM	---	5	F	
80	7'-4" X 7'-0"	SCW	9	30MIN	HUM	30MIN	4	K	DOUBLE EGRESS FRAME / 'S' LABEL
81	7'-4" X 7'-0"	SCW	9	30MIN	HUM	30MIN	4	K	DOUBLE EGRESS FRAME / 'S' LABEL
82	7'-4" X 7'-0"	SCW	9	30MIN	HUM	30MIN	4	K	DOUBLE EGRESS FRAME / 'S' LABEL
83	7'-4" X 7'-0"	SCW	9	30MIN	HUM	30MIN	4	K	DOUBLE EGRESS FRAME / 'S' LABEL
84	7'-4" X 7'-0"	SCW	8	20MIN	HUM	20MIN	5	K	DOUBLE EGRESS FRAME / 'S' LABEL
85	7'-4" X 7'-0"	SCW	8	20MIN	HUM	20MIN	5	K	DOUBLE EGRESS FRAME / 'S' LABEL
86	7'-4" X 7'-0"	SCW	8	20MIN	HUM	20MIN	5	K	DOUBLE EGRESS FRAME / 'S' LABEL
87	7'-4" X 7'-0"	SCW	8	20MIN	HUM	20MIN	5	K	DOUBLE EGRESS FRAME / 'S' LABEL
88	7'-4" X 7'-0"	SCW	6	LRDA	HUM	---	5	K	DOUBLE EGRESS FRAME

HARDWARE SCHEDULE

A	3,9,15,17,30	1) FULL MORTISE BALL BEARING HINGES	18) WEATHER STRIPPING
B	2,7	2) OVERHEAD BARN DOOR TRACK - FENIKO SFT W/200	19) LEVER HANDLE LOCKSET (OFFICE FUNCTION)
C	1,8,10,14,18	3) LEVER HANDLE PASSAGE LATCH - (BARN DOOR)	20) ORBIT KEYLOCK (STORAGE FUNCTION)
D	1,8,10,14,18,26	4) LEVER HANDLE PRIVACY LOCK	21) FLOOR STOP (AT BEDROOM WARDROBE UNITS)
E	1,8,10,14,18,26,27	5) PUSH / PULL SET	22) LEVER HANDLE LOCKSET (STORAGE FUNCTION)
F	1,9,15,17,19	6) FIRE EXIT VERTICAL ROD EXIT DEVICE	23) AUTOMATIC FLUSH BOLTS
G	1,8,9,15,17,19	7) 6" U SHAPED PULL ON EACH SIDE OF DOOR	24) DOOR COORDINATOR
H	1,8,9,15,17,31	8) CLOSER	25) SMOKE GASKETING
I	1,4,8,9,15,17	9) WALL MOUNTED DOOR BUMPER WITH ADEQUATE WOOD BLOCKING	26) MAGNETIC DOOR LOCK
J	1,4,9,15,17	10) UL LISTED EXIT DEVICE WITH EXTERIOR LEVER HANDLE ENTRY LOCKSET	27) POWERED AUTOMATIC DOOR OPENER SYSTEM
K	1,6,8,9,11,13	11) ELECTRONIC HOLD-OPEN DEVICE TIED TO FIRE ALARM SYSTEM	28) KEYPAD DEADBOLT
L	1,6,8,32	12) SURFACE MOUNTED OVERHEAD DOOR STOP	29) MANUAL FLUSH BOLTS
M	1,13,16,19	13) METAL ASTRAGAL	30) FULL MORTISE BALL BEARING OFFSET HINGES
N	3,15,17,20,30	14) ALUMINUM THRESHOLD W/ DOOR SWEEP	31) LEVER HANDLE KEYPAD LOCKSET
O	7,28	15) 16" HIGH KICK PLATE - VARYING WIDTH	32) BRUSH ASTRAGAL
P	1,6,8,11,13,24	16) MANUAL FLUSH BOLTS	
Q	1,8,13,19,23,24	17) DOOR SILENCERS	

NOTE: NO KICKPLATES REQUIRED FOR DOOR TYPES 10, 11, 12, 13, 4, 14.

DOOR AND HARDWARE NOTES

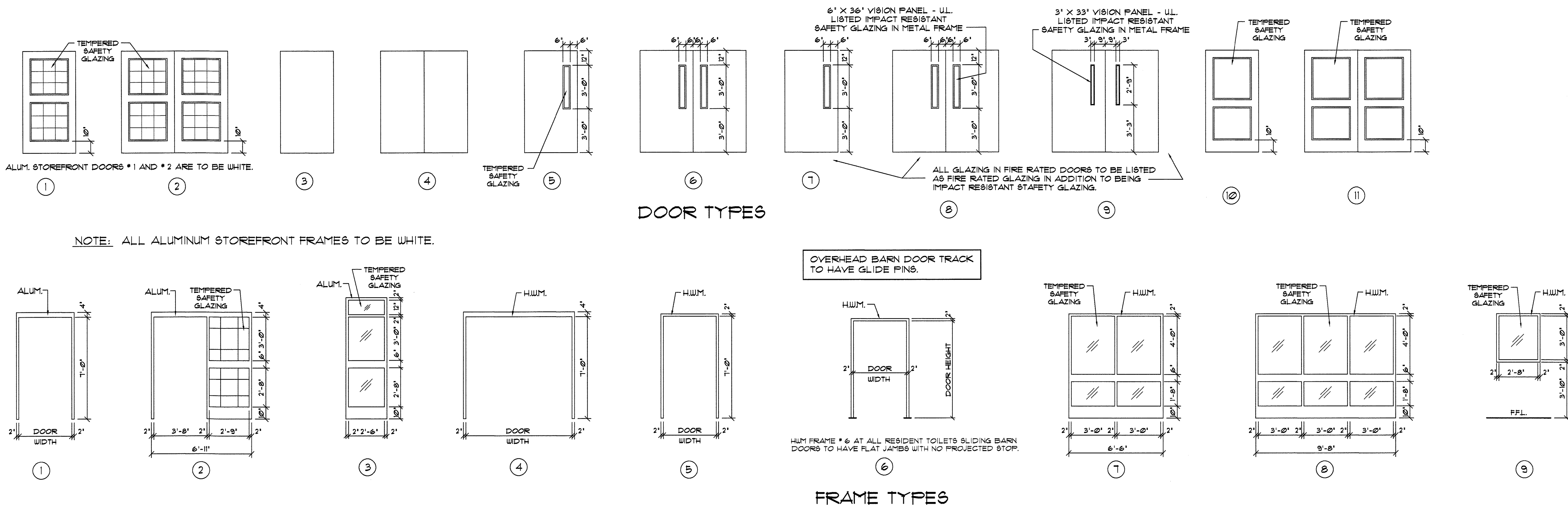
- 'S' LABEL FOR FIRE RATED DOOR ASSEMBLY TESTED AND APPROVED FOR SMOKE RESISTANCE.
- 'LRDA' LEAKAGE RATED DOOR FOR SMOKE AND DRAFT CONTROL.
- CONTRACTOR TO COORDINATE LOCATION OF CENTER BAR OF DOOR WITH THAT OF ADJACENT DOOR FRAME.
- SEE DOOR AND FRAME SCHEDULE FOR DOOR AND FRAME MATERIALS.
- ALUM. DOOR PANIC DEVICES TO BE CONCEALED RODS WITH FLUSH PANIC DEVICES INTEGRATED INTO DOOR.
- HUM FOR RESIDENT TOILETS SLIDING BARN DOORS TO HAVE FLAT JAMB FACE WITH NO PROJECTED STOP.
- DOORS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, AND 18 TO HAVE CONCEALED VERTICAL ROD EXIT DEVICE WITH CYLINDER LEVER TRIM (CYLINDER PROVIDED). DOOR TO BE OPERABLE FROM INTERIOR AT ALL TIMES WITH PANIC BAR. DOOR TO OPERATE FROM EXTERIOR WITH CYLINDER DISENGAGED.
- DOORS 1 AND 19 TO HAVE AUTOMATIC DOOR OPENER WITH ADA FLUSH PLATES ON BOTH SIDES OF DOOR.
- CONTRACTOR TO PROVIDE WOOD BLOCKING BETWEEN STUDS TO ADEQUATELY SUPPORT OVERHEAD BARN DOOR TRACK.
- CONTRACTOR TO VERIFY REQUIRED FRAME THROAT OPENING WIDTH FOR EACH INTERIOR PARTITION PRIOR TO ORDERING FRAMES.

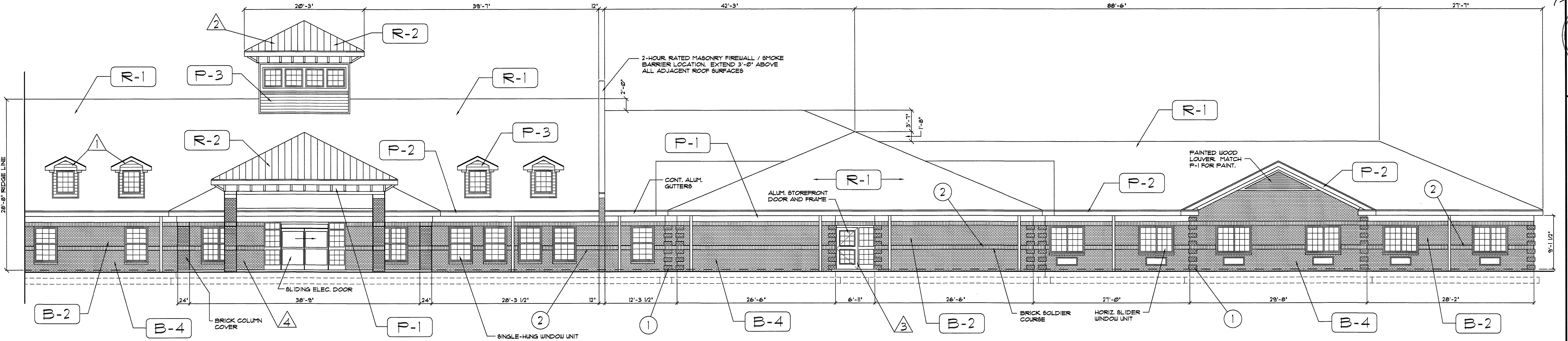
NOTE: ALL BEDROOM DOORS AND PHYSICAL THERAPY DOORS TO HAVE OFFSET HINGES TO ENSURE 41 1/2" CLEAR EGRESS WIDTH.

SECTION 1401

SCALE: 1"=1'-0"

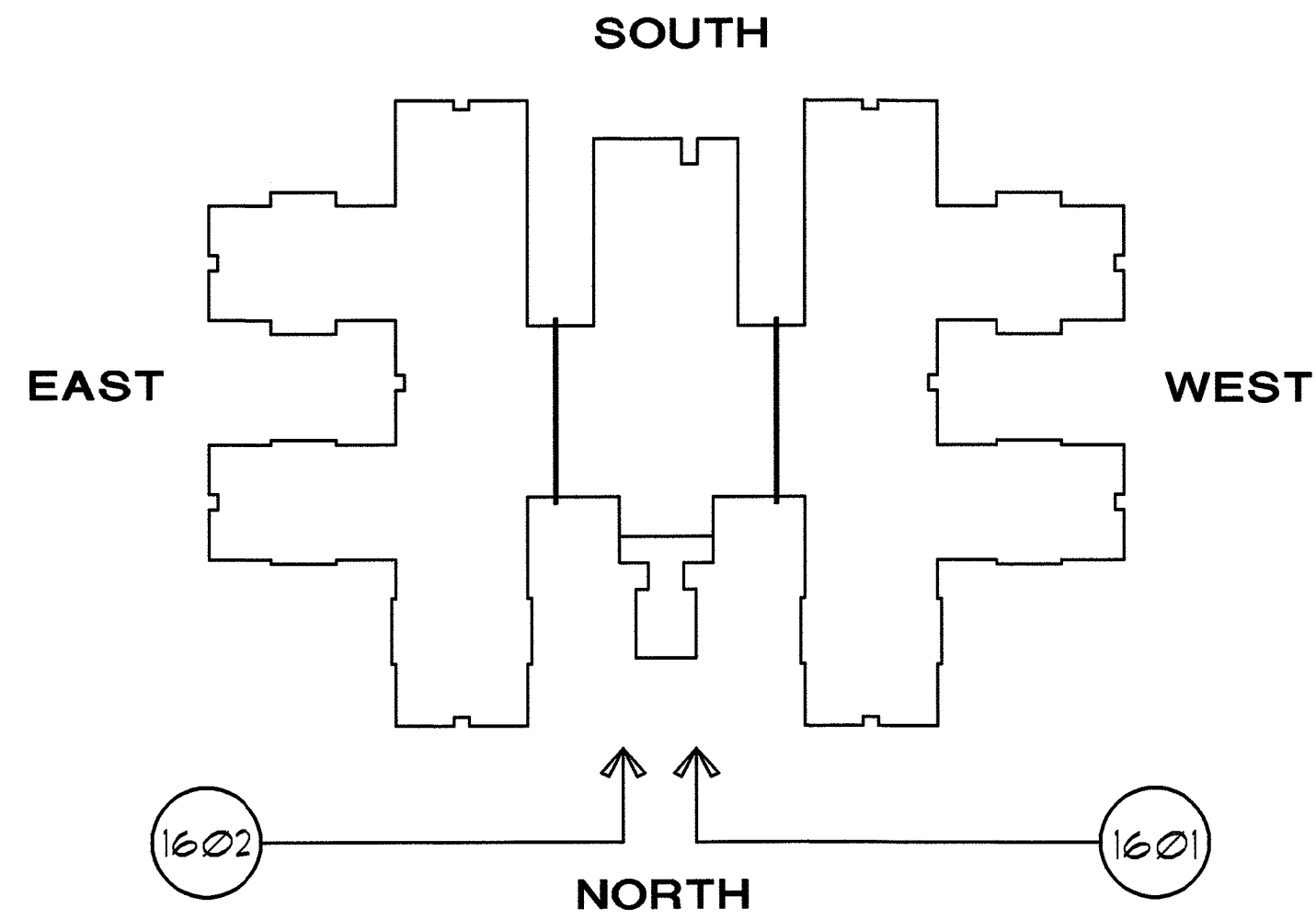
MINIMUM REQUIRED CLEAR EGRESS WIDTH AT ALL PATIENT USE DOORS



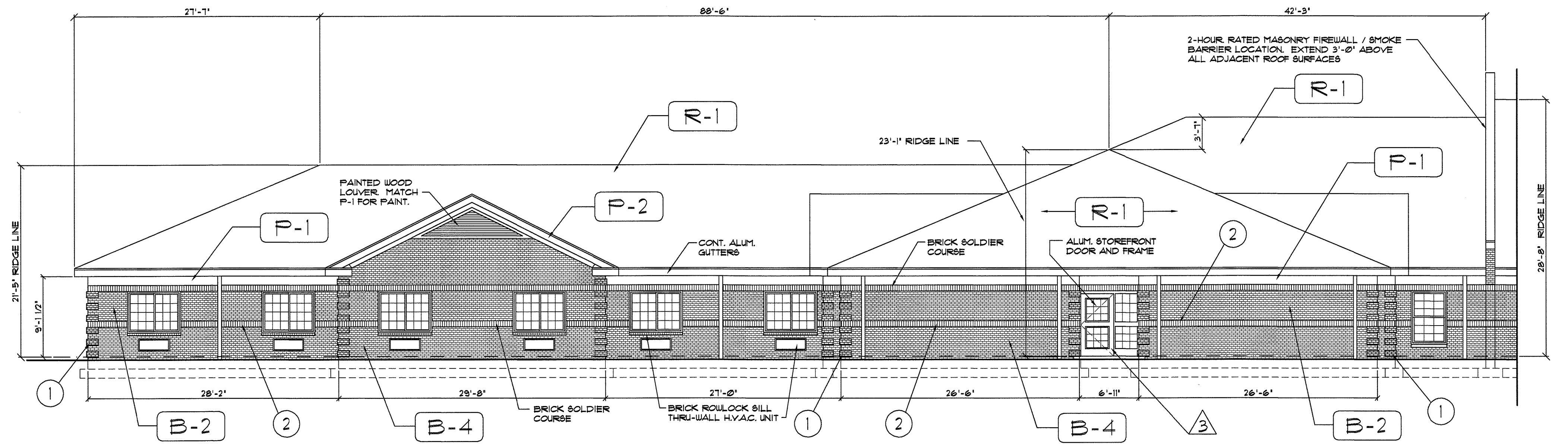


1601 ELEVATION
SCALE: 1/8" = 1'-0"

NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.



ELEVATION KEY



1602 ELEVATION
SCALE: 1/8" = 1'-0"

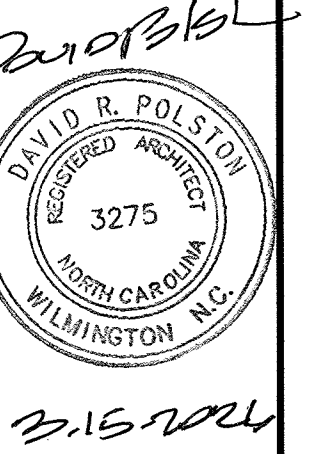
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2") - 4,039.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2") - 4,039.25 SF.	
AREA OF GLAZING / DOORS - 759 SF. (18.69%)		AREA OF GLAZING / DOORS - 691 SF. (17.11%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,801.50 SF. (71.34%)		AREA OF TYPE I MATERIAL (BRICK) - 2,945.50 SF. (72.92%)	
AREA OF CORNICE - 402.75 SF. (9.97%)		AREA OF CORNICE - 402.75 SF. (9.97%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2") - 2,600.99 SF.		TOTAL FACADE ELEVATION (9'-1 1/2") - 2,600.99 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)		AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)	
AREA OF CORNICE - 288 SF. (11.04%)		AREA OF CORNICE - 288 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HVAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2029 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2029 CLASSIC WHITE
P-3	CEMENTITIOUS LAP SIDING - SW 2029 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND
R-2	STANDING SEAM METAL - PAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 02.G2.0)	
MARK	DESIGN ELEMENT
1	BRICK QUOINS
2	CHANGE IN BRICK PATTERN / BELT COURSE

RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 02.G2.11)	
MARK	DESIGN ELEMENT
1	DORMERS
2	CUPOLA
3	RECESSED ENTRANCE
4	COVERED PORCH



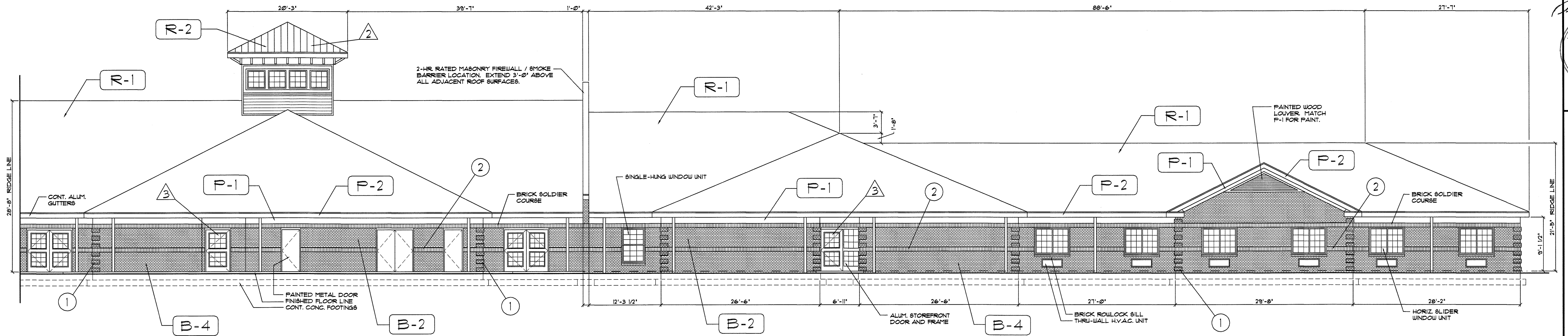
3.15.2024

PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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

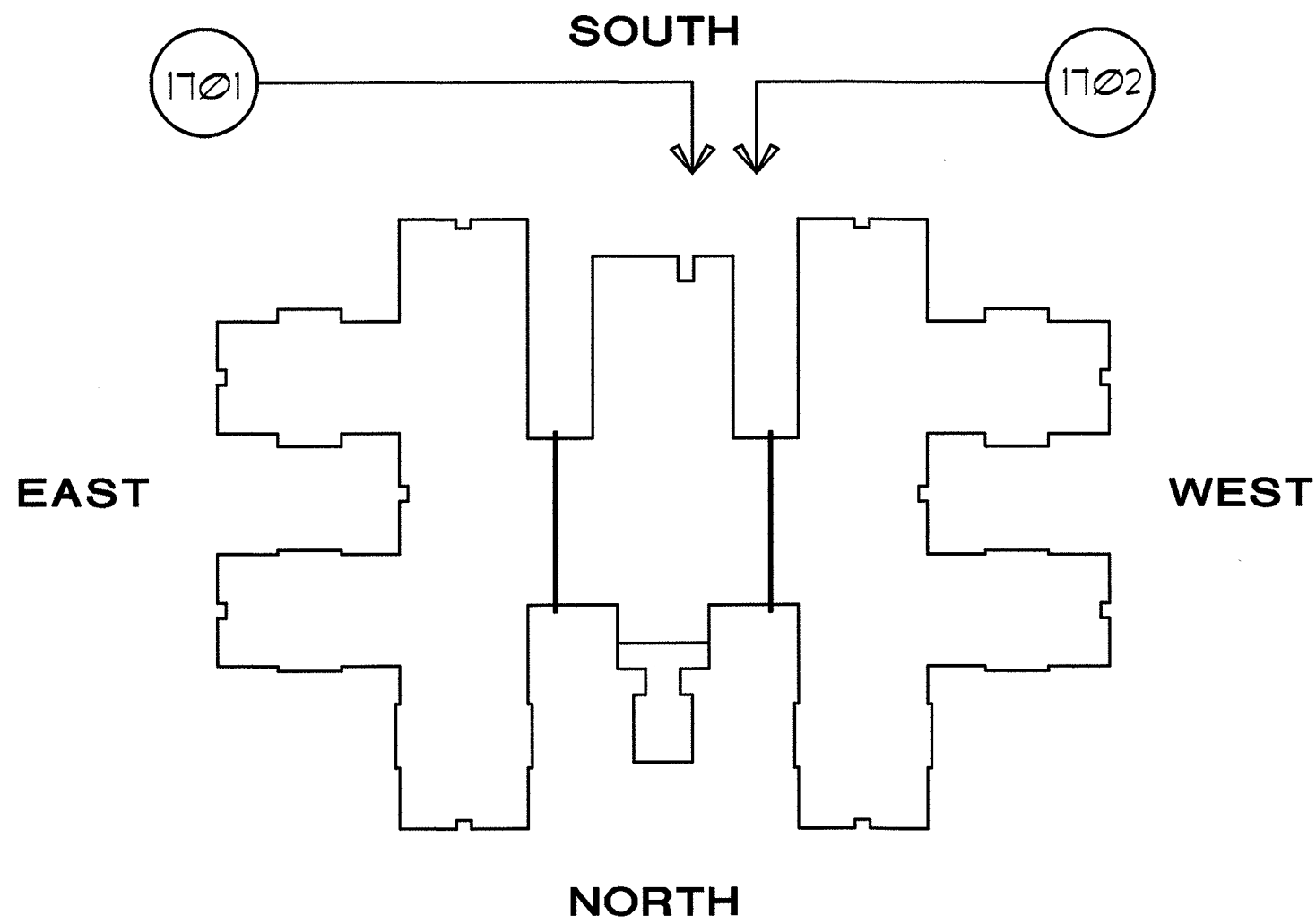
120 BED
NURSING FACILITY

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16

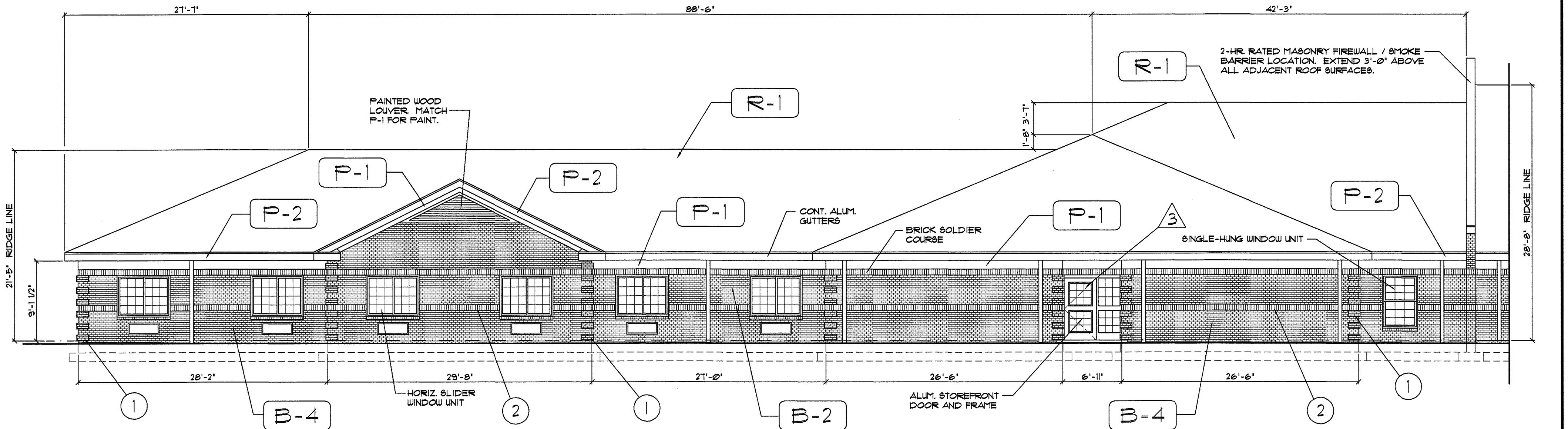


ELEVATION
SCALE: 1/8" = 1'-0"

NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.



ELEVATION KEY



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

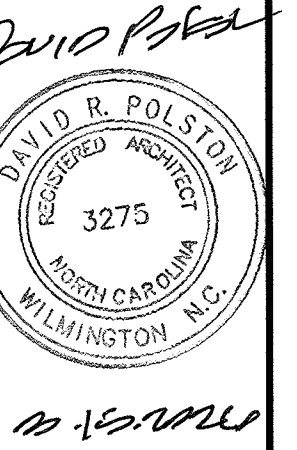
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 4,033.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 4,033.25 SF.	
AREA OF GLAZING / DOORS - 759 SF. (18.63%)		AREA OF GLAZING / DOORS - 691 SF. (17.11%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,891.50 SF. (71.34%)		AREA OF TYPE I MATERIAL (BRICK) - 2,949.50 SF. (72.92%)	
AREA OF CORNICE - 402.75 SF. (9.97%)		AREA OF CORNICE - 402.75 SF. (9.97%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.99 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.99 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)		AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)	
AREA OF CORNICE - 288 SF. (11.04%)		AREA OF CORNICE - 288 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HVAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
P-3	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND
R-2	STANDING SEAM METAL - PAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 82.02.01)	
MARK	DESIGN ELEMENT
①	BRICK QUOINS
②	CHANGE IN BRICK PATTERN / BELT COURSE

RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 82.02.11)	
MARK	DESIGN ELEMENT
△	DORMERS
△	CUPOLA
△	RECESSED ENTRANCE
△	COVERED PORCH

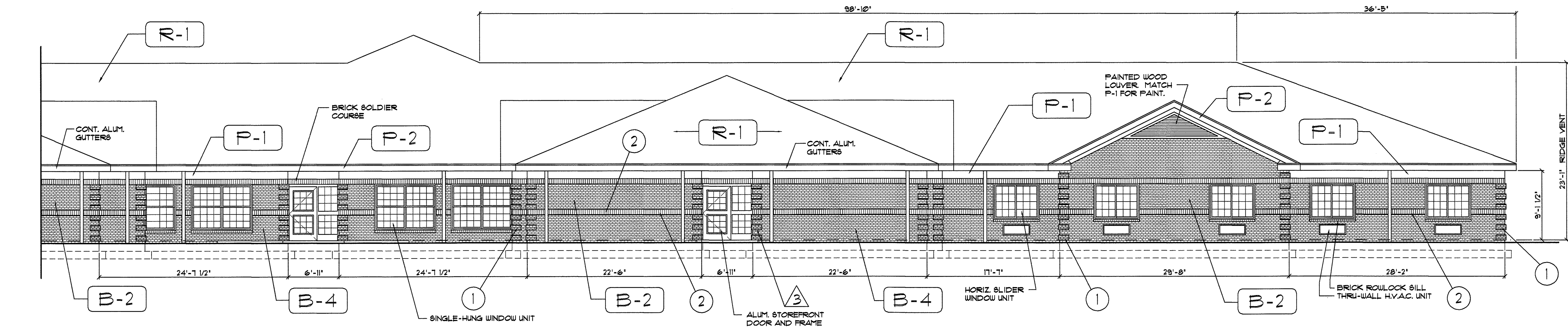


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WAKE COUNTY
Holly Springs, North Carolina

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Architecture Planning Design

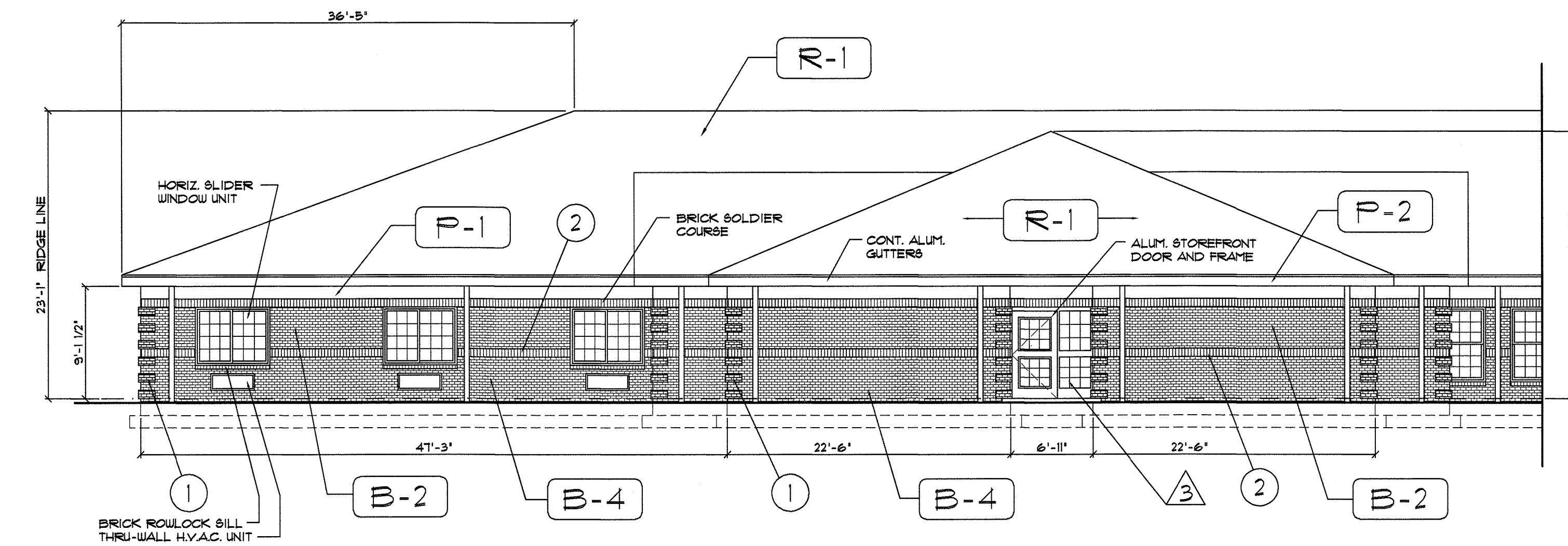
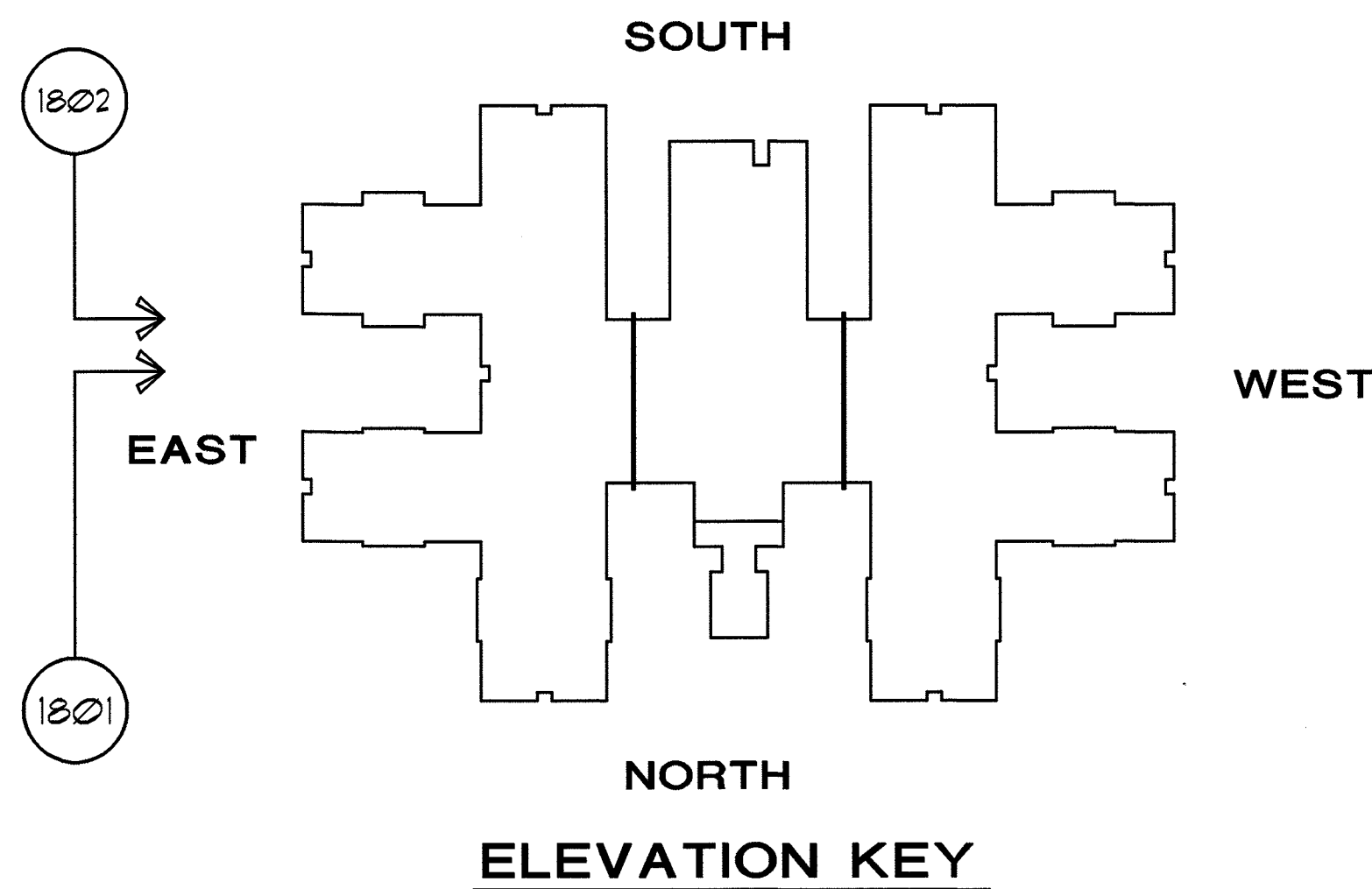
120 BED
NURSING FACILITY

A
17



1801 ELEVATION
SCALE: 1/8" = 1'-0"

NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.



1802 ELEVATION
SCALE: 1/8" = 1'-0"

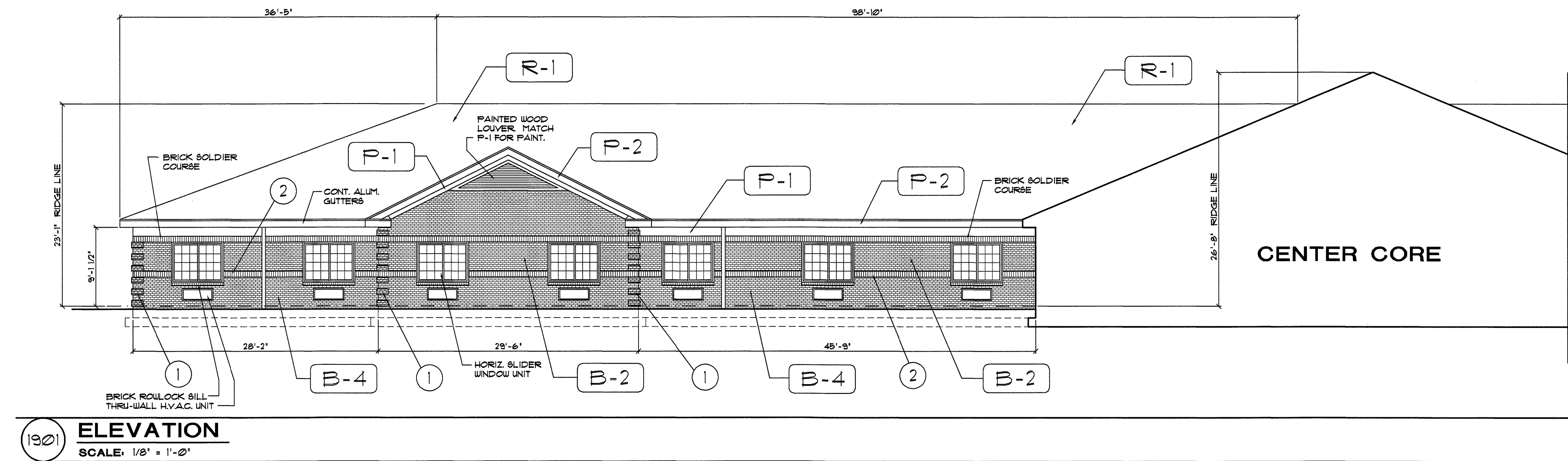
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.	
AREA OF GLAZING / DOORS - 755 SF. (18.69%)		AREA OF GLAZING / DOORS - 691 SF. (17.11%)	
AREA OF TYPE 1 MATERIAL (BRICK) - 2,881.50 SF. (71.34%)		AREA OF TYPE 1 MATERIAL (BRICK) - 2,945.50 SF. (72.92%)	
AREA OF CORNICE - 402.75 SF. (9.97%)		AREA OF CORNICE - 402.75 SF. (9.97%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 2,600.99 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 2,600.99 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE 1 MATERIAL (BRICK) - 2,091.99 SF. (80.42%)		AREA OF TYPE 1 MATERIAL (BRICK) - 2,091.99 SF. (80.42%)	
AREA OF CORNICE - 288 SF. (11.04%)		AREA OF CORNICE - 288 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HVAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

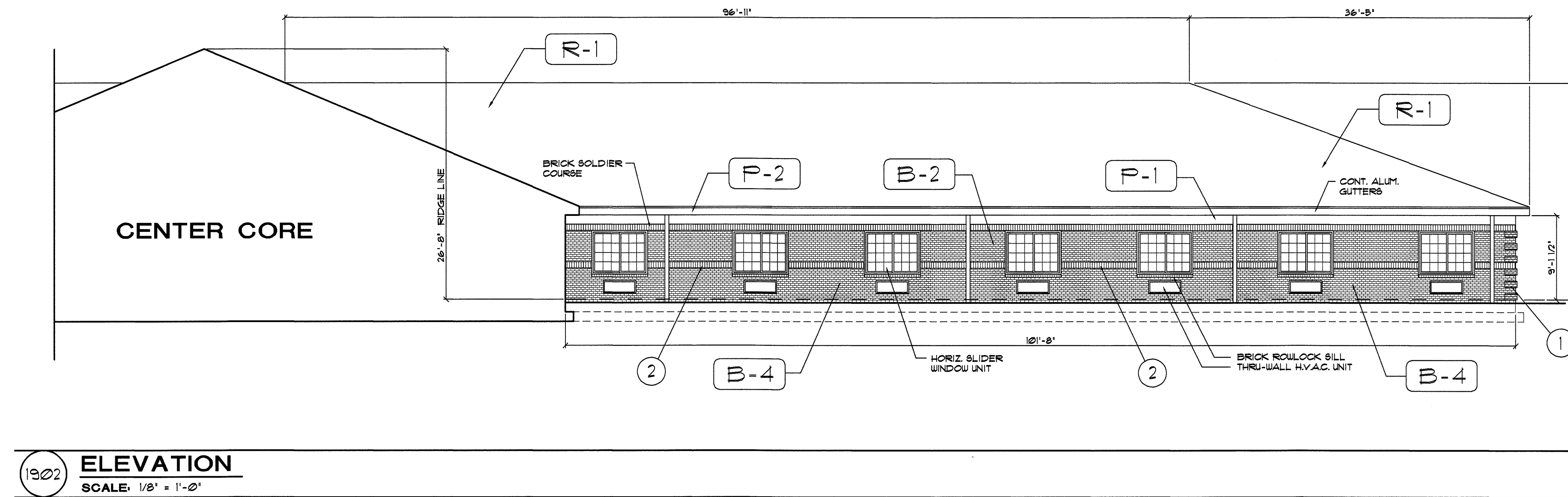
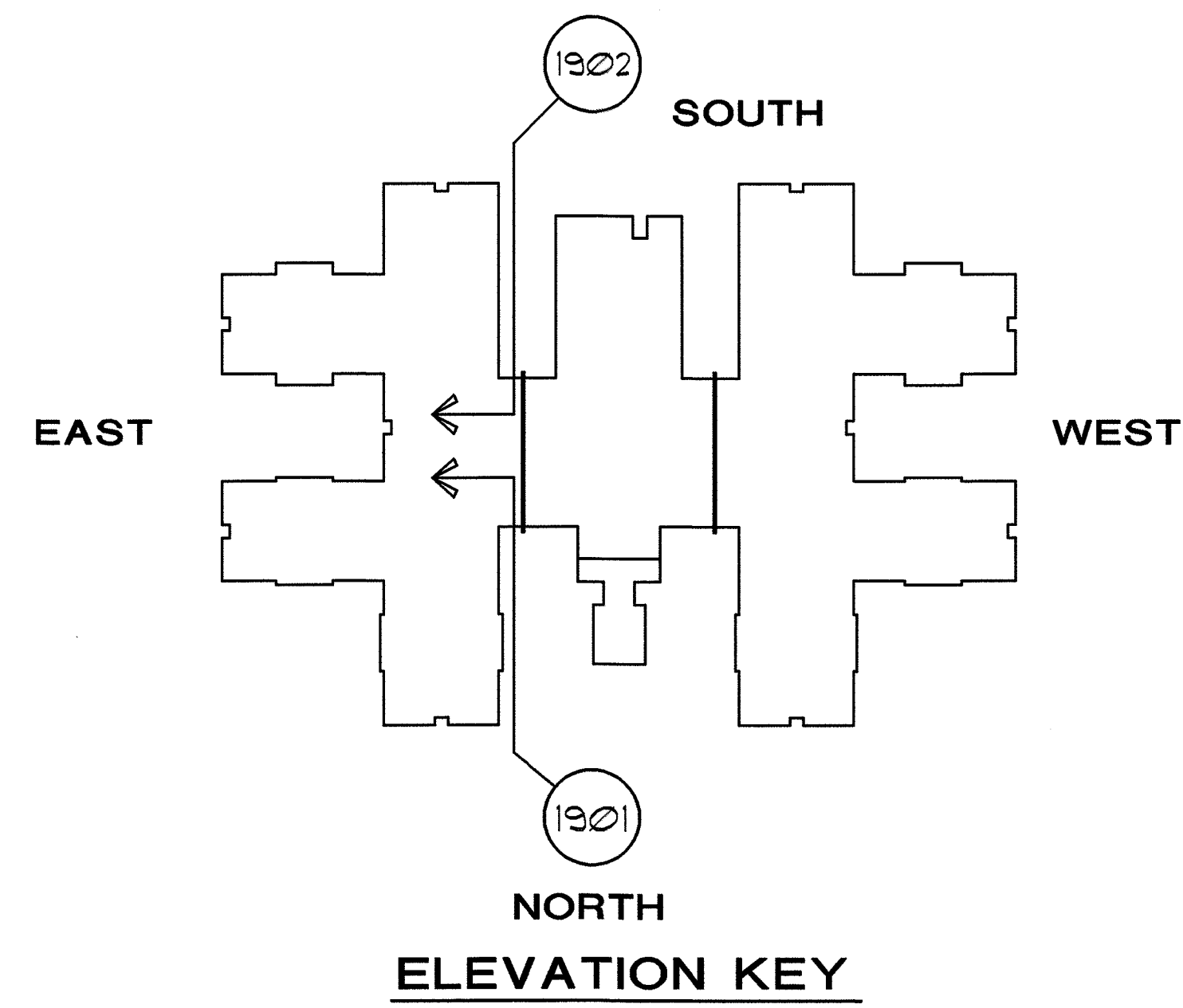
EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
P-3	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND
R-2	STANDING SEAM METAL - PAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 82.6.2.1)	
MARK	DESIGN ELEMENT
1	BRICK QUOINS
2	CHANGE IN BRICK PATTERN / BELT COURSE

RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 82.6.2.11)	
MARK	DESIGN ELEMENT
1	DORMERS
2	CUPOLA
3	RECESSED ENTRANCE
4	COVERED PORCH



NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.



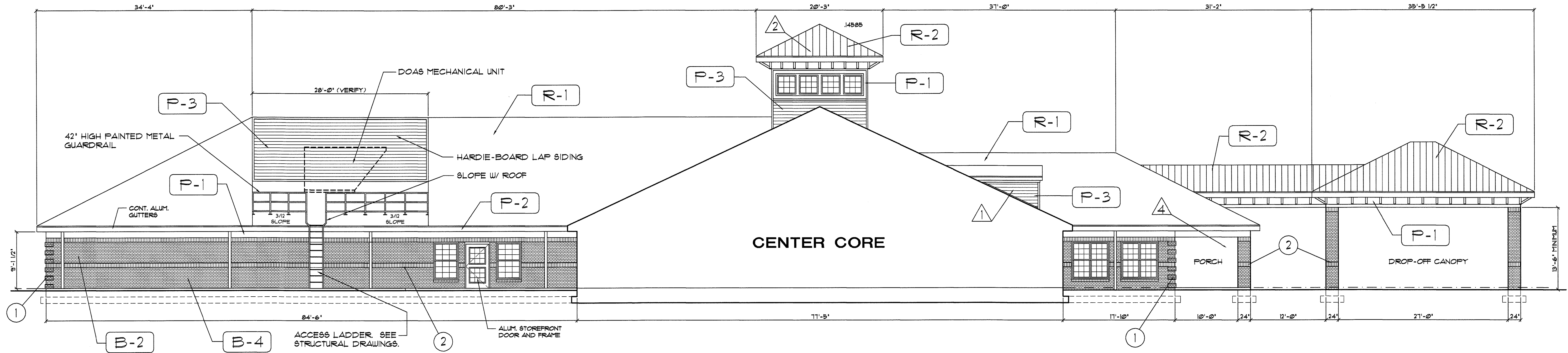
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.	
AREA OF GLAZING / DOORS - 755 SF. (18.69%)		AREA OF GLAZING / DOORS - 691 SF. (17.11%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,881.50 SF. (71.34%)		AREA OF TYPE I MATERIAL (BRICK) - 2,945.50 SF. (72.92%)	
AREA OF CORNICE - 402.75 SF. (9.97%)		AREA OF CORNICE - 402.75 SF. (9.97%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.99 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.99 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)		AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)	
AREA OF CORNICE - 288 SF. (11.04%)		AREA OF CORNICE - 288 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HYAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

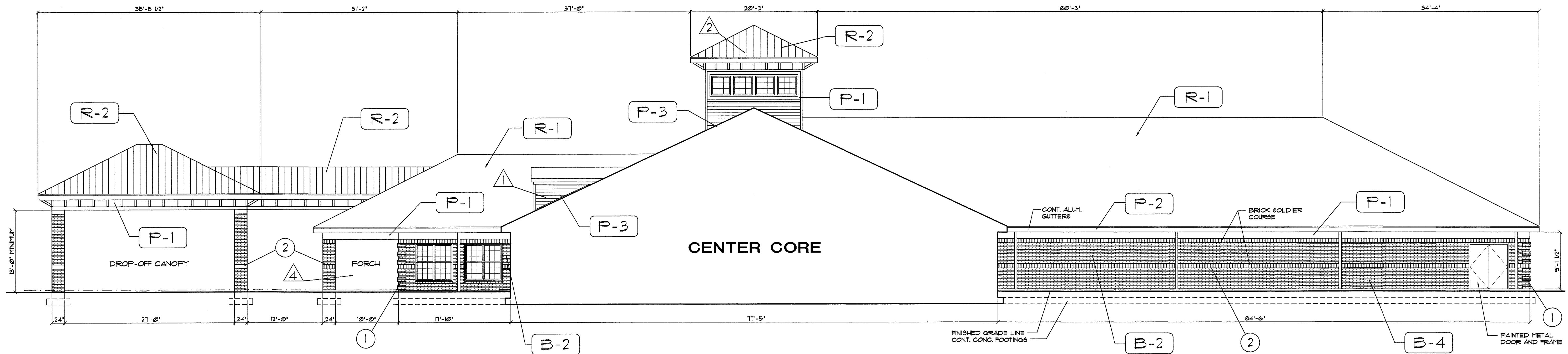
EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
P-3	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND
R-2	STANDING SEAM METAL - FAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 82.62.0)	
MARK	DESIGN ELEMENT
1	BRICK QUOINS
2	CHANGE IN BRICK PATTERN / BELT COURSE

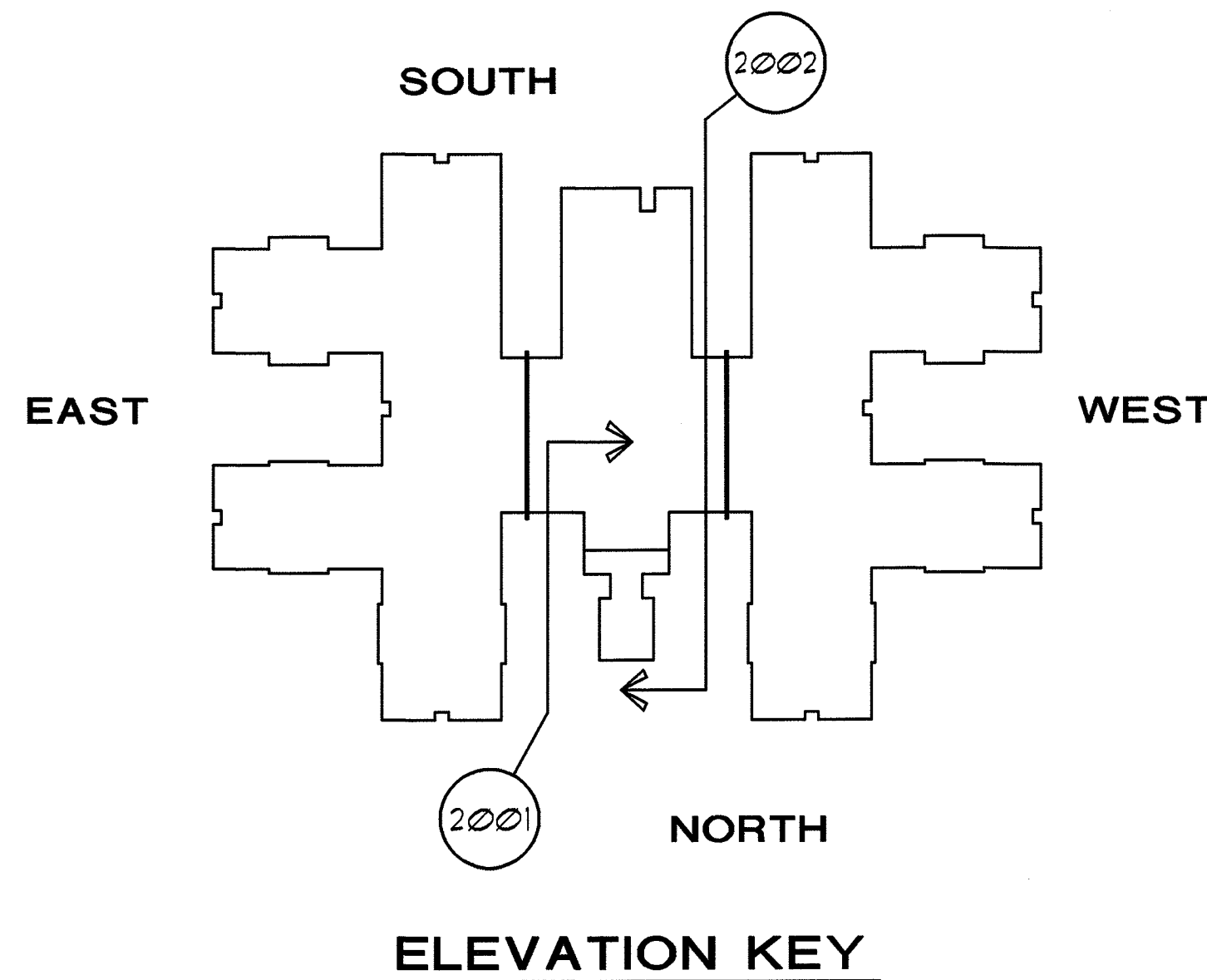
RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 82.62.011)	
MARK	DESIGN ELEMENT
A	DORMERS
A	CUPOLA
A	RECESSED ENTRANCE
A	COVERED PORCH



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



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



NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.

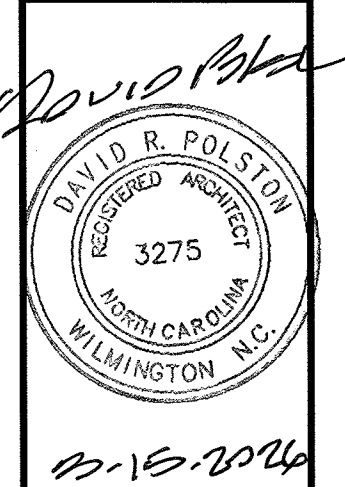
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.	
AREA OF GLAZING / DOORS - 155 SF. (3.84%)		AREA OF GLAZING / DOORS - 691 SF. (17.11%)	
AREA OF TYPE 1 MATERIAL (BRICK) - 2,881.50 SF. (71.34%)		AREA OF TYPE 1 MATERIAL (BRICK) - 2,945.50 SF. (72.92%)	
AREA OF CORNICE - 402.75 SF. (9.91%)		AREA OF CORNICE - 402.75 SF. (9.91%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.93 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.93 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE 1 MATERIAL (BRICK) - 2,091.93 SF. (80.42%)		AREA OF TYPE 1 MATERIAL (BRICK) - 2,091.93 SF. (80.42%)	
AREA OF CORNICE - 288 SF. (11.04%)		AREA OF CORNICE - 288 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HYAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
(B-2)	PALMETTO .75 GREYSTONE FACE BRICK
(B-4)	PALMETTO WALNUT FACE BRICK
(P-1)	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
(P-2)	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
(P-3)	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
(R-1)	SHINGLES - TIMBERLINE - SLATE BLEND
(R-2)	STANDING SEAM METAL - PAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 82.02.0)	
MARK	DESIGN ELEMENT
①	BRICK QUOINS
②	CHANGE IN BRICK PATTERN / BELT COURSE

RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 82.02.11)	
MARK	DESIGN ELEMENT
△	DORMERS
△	CUPOLA
△	RECESSED ENTRANCE
△	COVERED PORCH

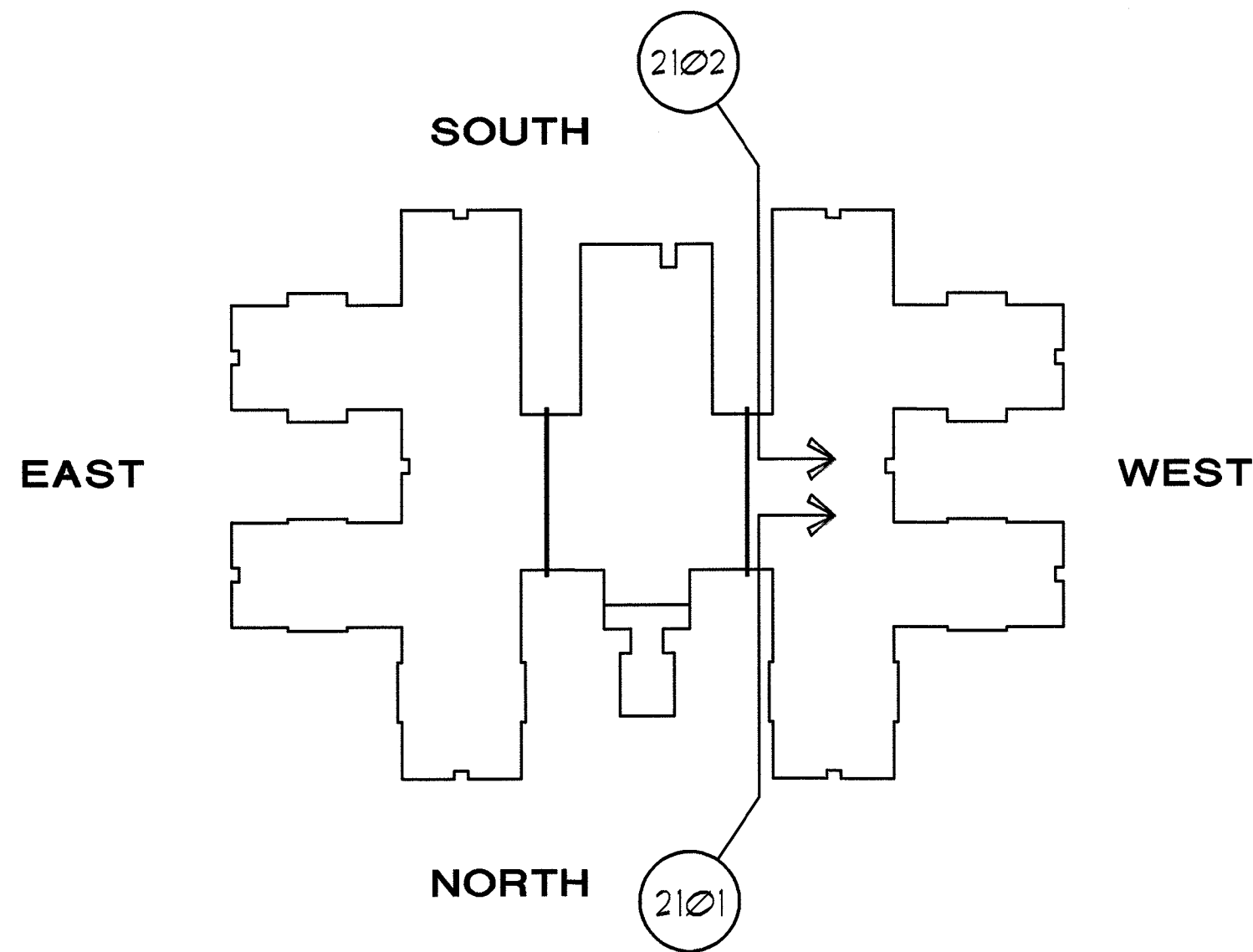


**PRINCIPLE HEALTH CARE
WAKE COUNTY**
Holly Springs, North Carolina

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120 BED
NURSING FACILITY

**A
20**



ELEVATION KEY

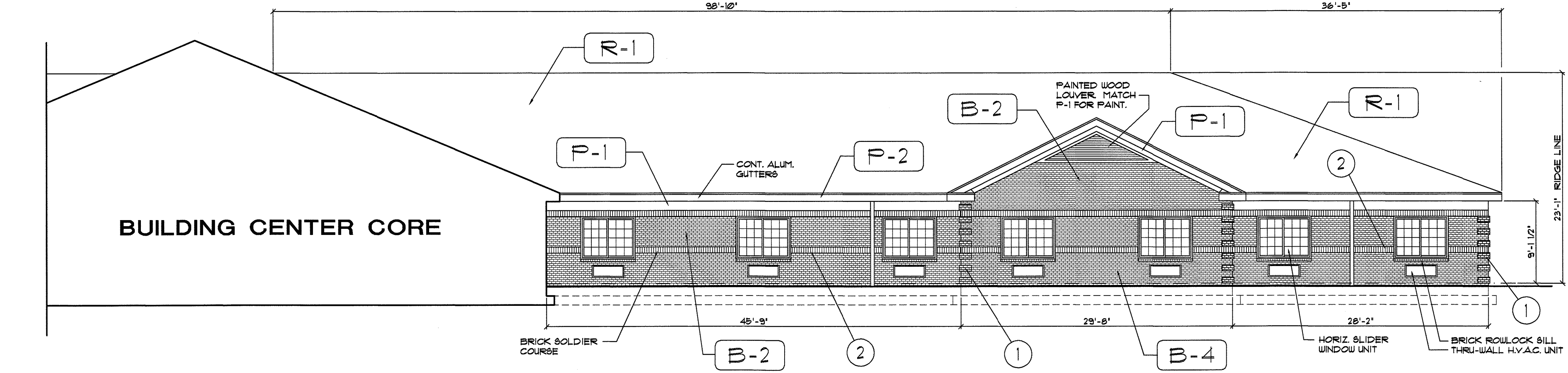
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.	
AREA OF GLAZING / DOORS - 759 SF. (18.69%)		AREA OF GLAZING / DOORS - 691 SF. (17.1%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,881.50 SF. (71.34%)		AREA OF TYPE I MATERIAL (BRICK) - 2,945.50 SF. (72.92%)	
AREA OF CORNICE - 402.15 SF. (9.97%)		AREA OF CORNICE - 402.15 SF. (9.97%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.99 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 2,608.99 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)		AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (80.42%)	
AREA OF CORNICE - 288 SF. (11.04%)		AREA OF CORNICE - 288 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HVAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

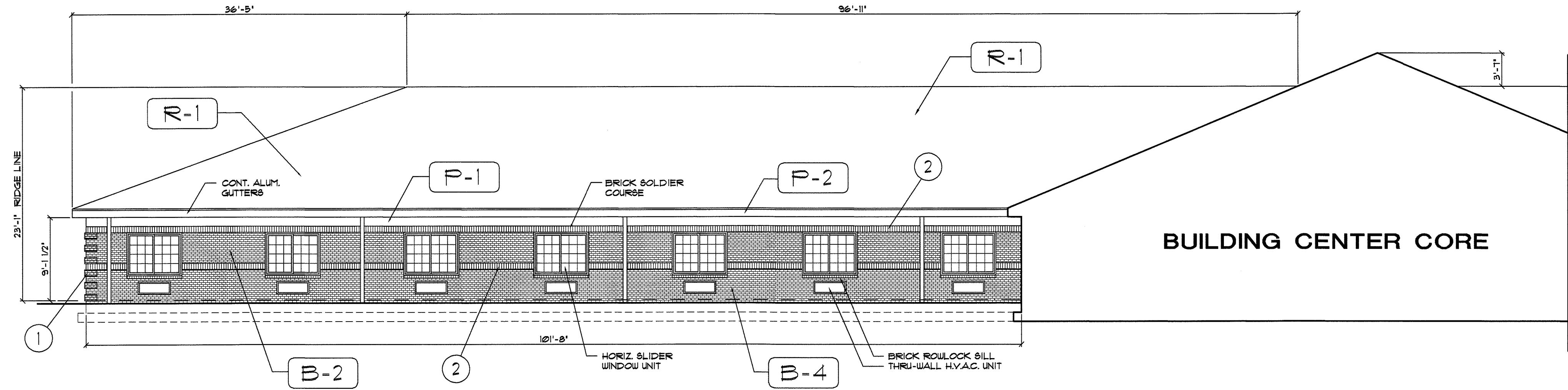
EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
P-3	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND
R-2	STANDING SEAM METAL - PAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 82.6.2.8)	
MARK	DESIGN ELEMENT
①	BRICK QUOINS
②	CHANGE IN BRICK PATTERN / BELT COURSE

RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 82.6.4.11)	
MARK	DESIGN ELEMENT
⚠	DORMERS
⚠	CUPOLA
⚠	RECESSED ENTRANCE
⚠	COVERED PORCH

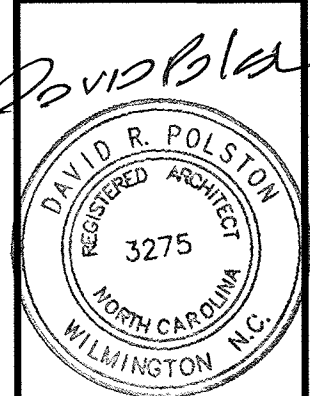


2101 ELEVATION
SCALE: 1/8" = 1'-0"



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

NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.

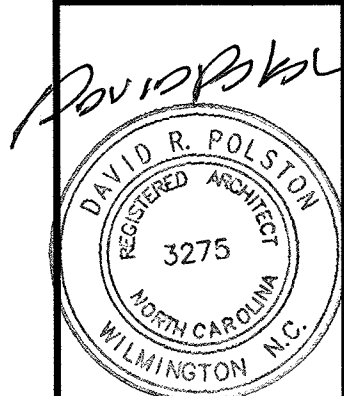


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A
21

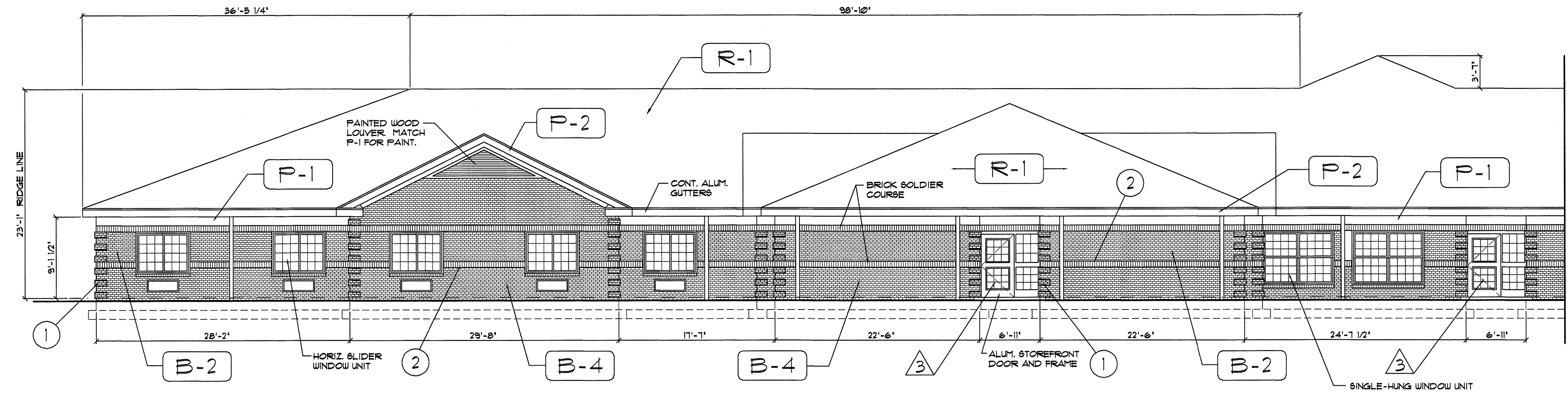


PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

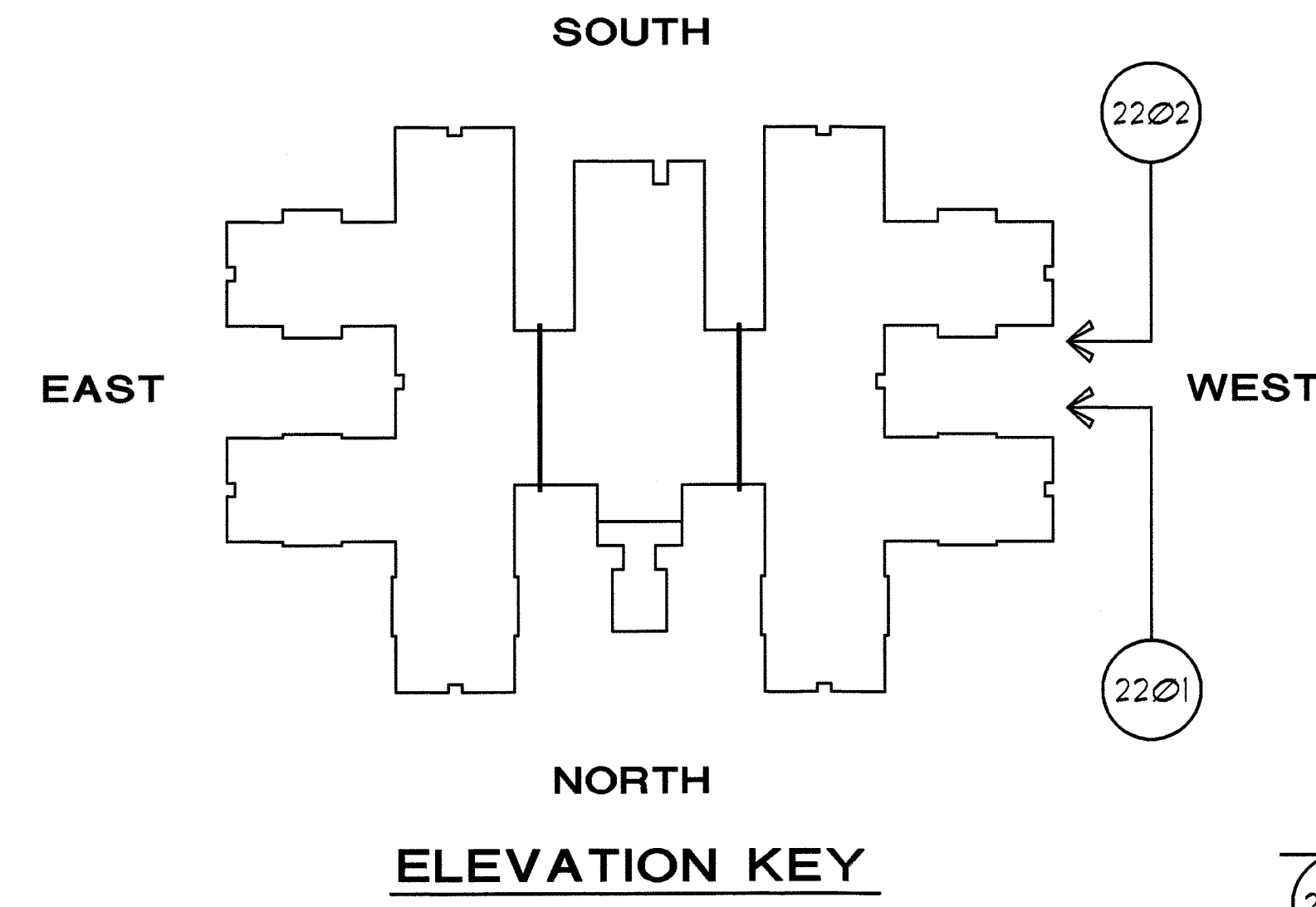
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

120 BED
NURSING FACILITY

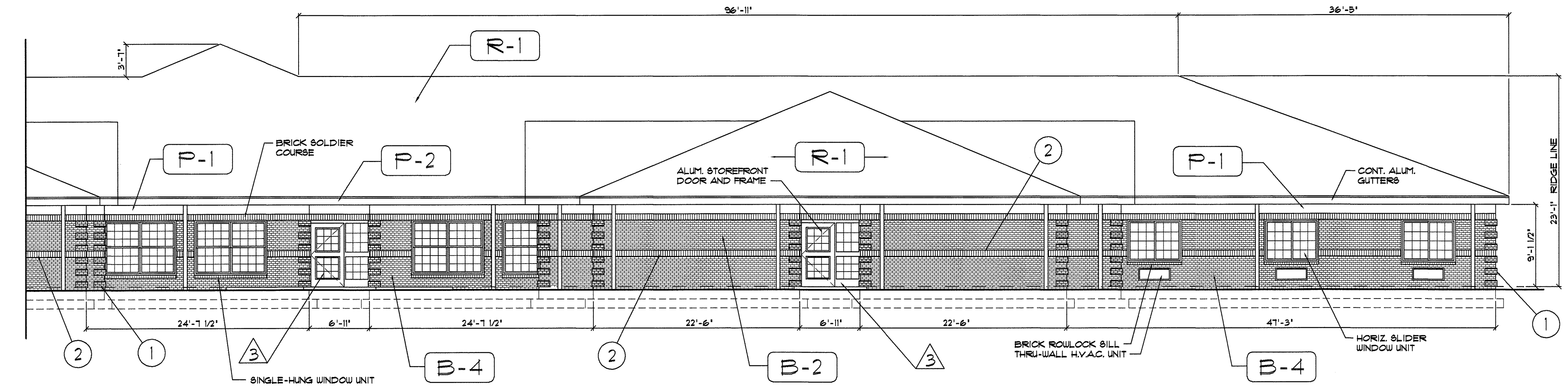
A
22



2201 ELEVATION
SCALE: 1/8" = 1'-0"



ELEVATION KEY



2202 ELEVATION
SCALE: 1/8" = 1'-0"

NOTE: TRUSS MANUFACTURER TO INSURE THAT NO RIDGE LINE EXCEEDS 100'-0" LINEAR DISTANCE.

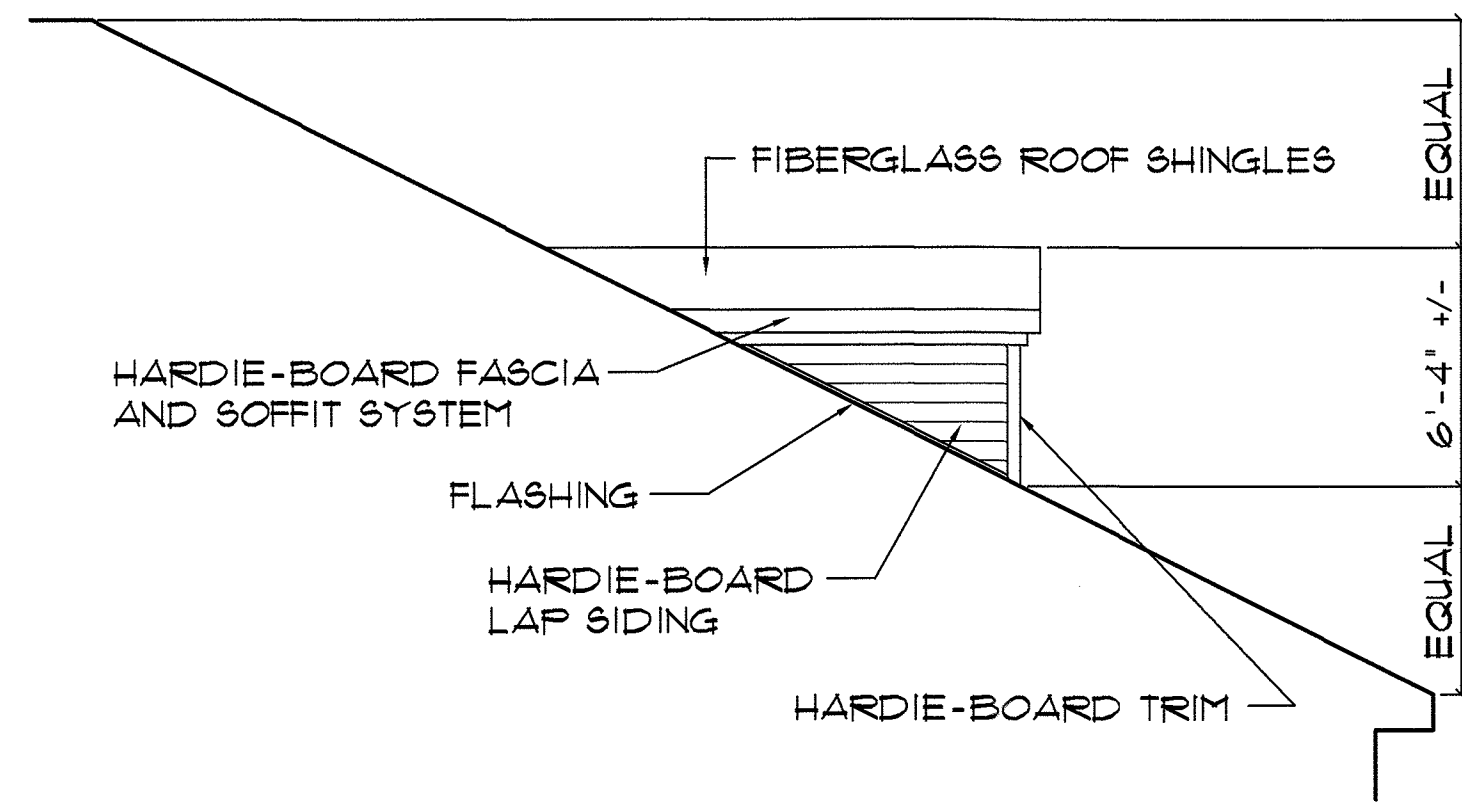
MATERIAL CALCULATIONS			
NORTH ELEVATIONS		SOUTH ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 4,039.25 SF.	
AREA OF GLAZING / DOORS - 155 SF. (3.83%)		AREA OF GLAZING / DOORS - 691 SF. (17.11%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,891.50 SF. (71.34%)		AREA OF TYPE I MATERIAL (BRICK) - 2,845.50 SF. (70.45%)	
AREA OF CORNICE - 402.75 SF. (9.91%)		AREA OF CORNICE - 402.75 SF. (9.91%)	
WEST ELEVATIONS		EAST ELEVATIONS	
TOTAL FACADE ELEVATION (9'-1 1/2') - 2,600.99 SF.		TOTAL FACADE ELEVATION (9'-1 1/2') - 2,600.99 SF.	
AREA OF GLAZING / DOORS - 223 SF. (8.54%)		AREA OF GLAZING / DOORS - 223 SF. (8.54%)	
AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (79.42%)		AREA OF TYPE I MATERIAL (BRICK) - 2,091.99 SF. (79.42%)	
AREA OF CORNICE - 286 SF. (11.04%)		AREA OF CORNICE - 286 SF. (11.04%)	

NOTE: EXTERIOR WALL MOUNTED HVAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

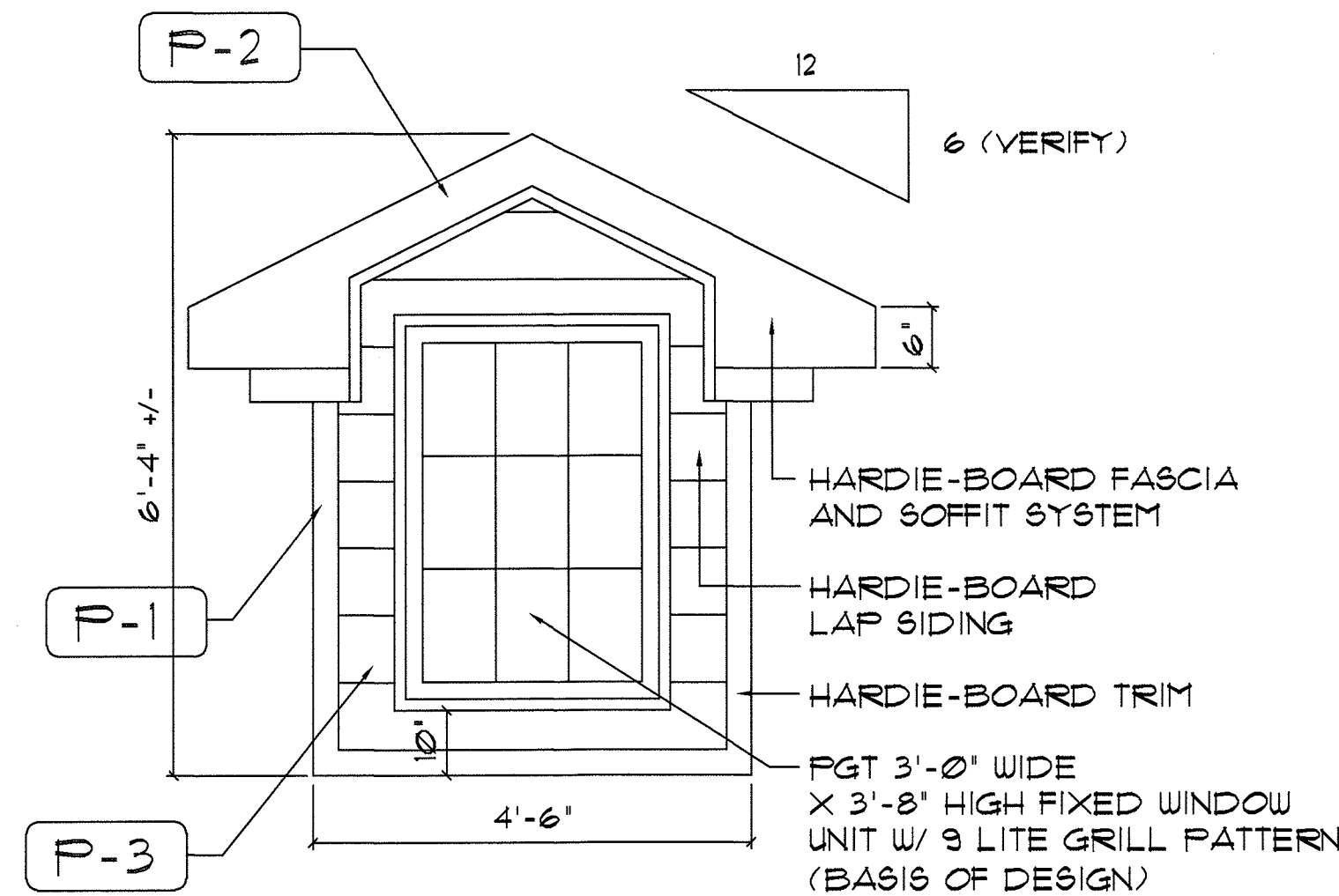
EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
P-3	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND
R-2	STANDING SEAM METAL - PAC CLAD CHARCOAL

HUMAN SCALE DESIGN ELEMENT (UDO SECTION 82.02.01)	
MARK	DESIGN ELEMENT
1	BRICK QUOINS
2	CHANGE IN BRICK PATTERN / BELT COURSE

RESIDENTIAL BUILDING / FACADE STANDARDS (UDO SECTION 82.02.01)	
MARK	DESIGN ELEMENT
A	DORMERS
A	CUPOLA
A	RECESSED ENTRANCE
A	COVERED PORCH

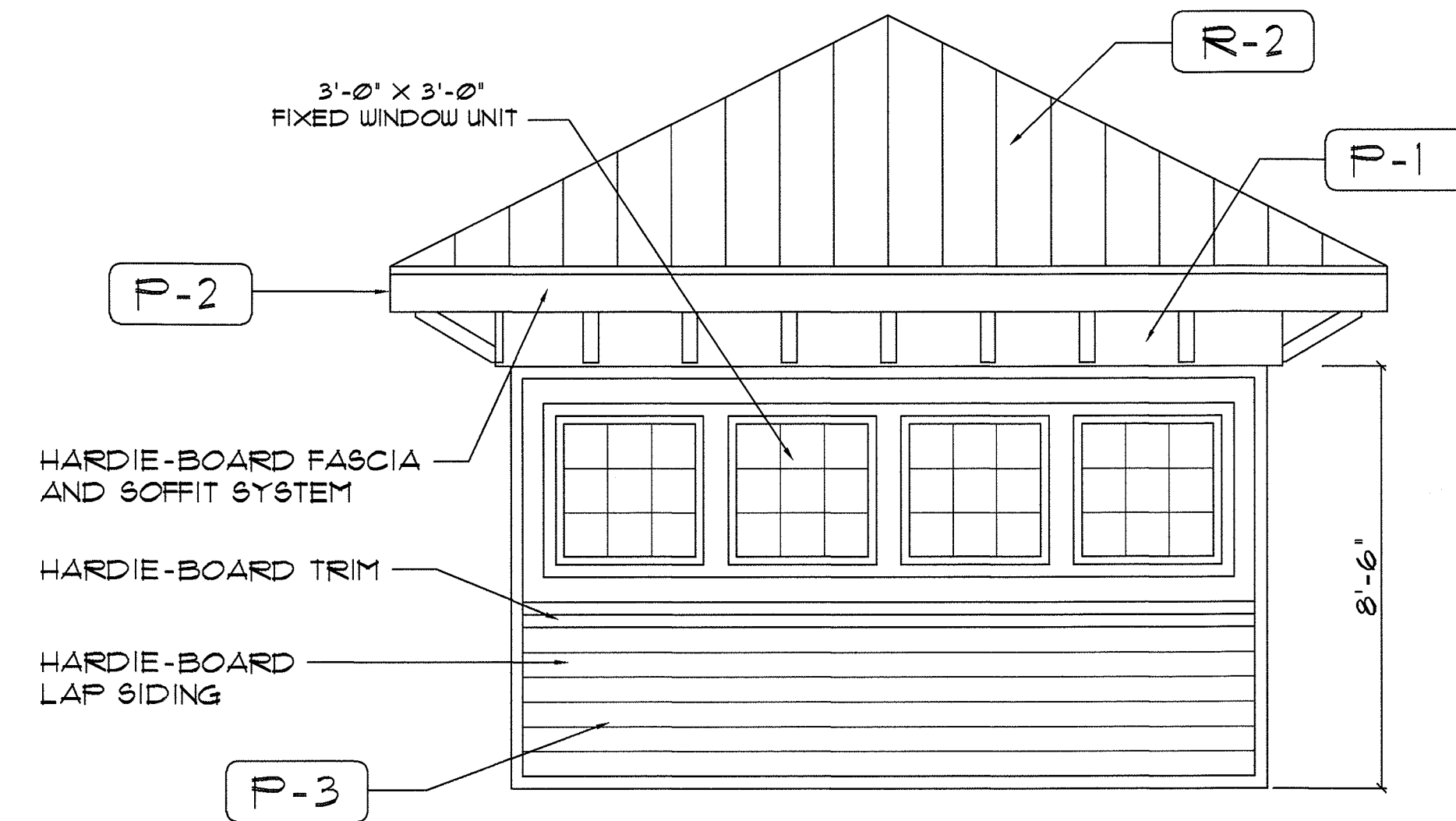


SIDE VIEW



ALL ATTIC WINDOWS TO HAVE BLACK HARDWARE CLOTH INSTALLED ON ATTIC SIDE TO BLOCK VIEW OF ATTIC.

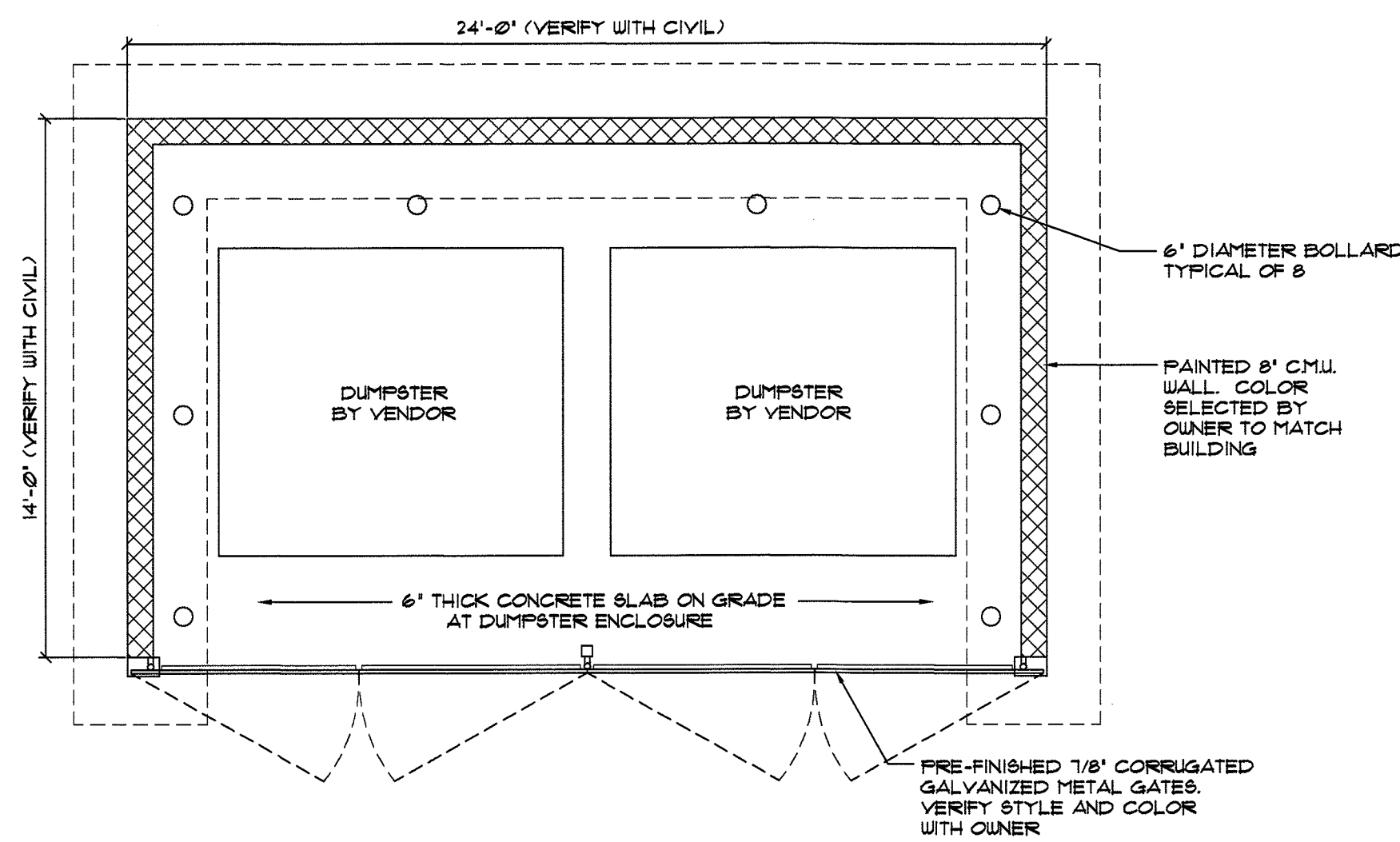
FRONT VIEW



ALL ATTIC WINDOWS TO HAVE BLACK HARDWARE CLOTH INSTALLED ON ATTIC SIDE TO BLOCK VIEW OF ATTIC.

2301 ELEVATION TYPICAL DORMERS
SCALE: N.T.S.

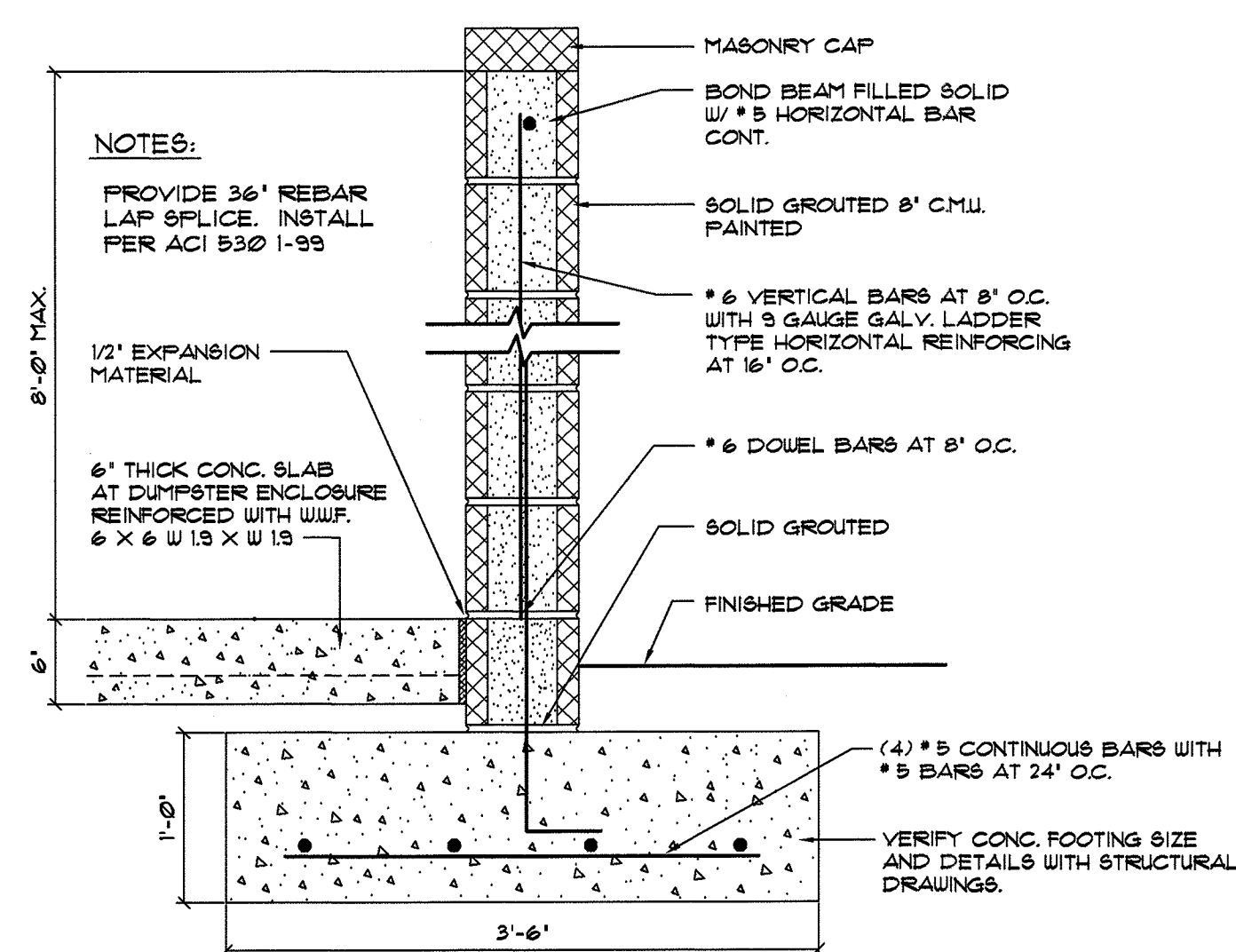
2302 DETAIL WINDOWS WALK
SCALE: N.T.S.



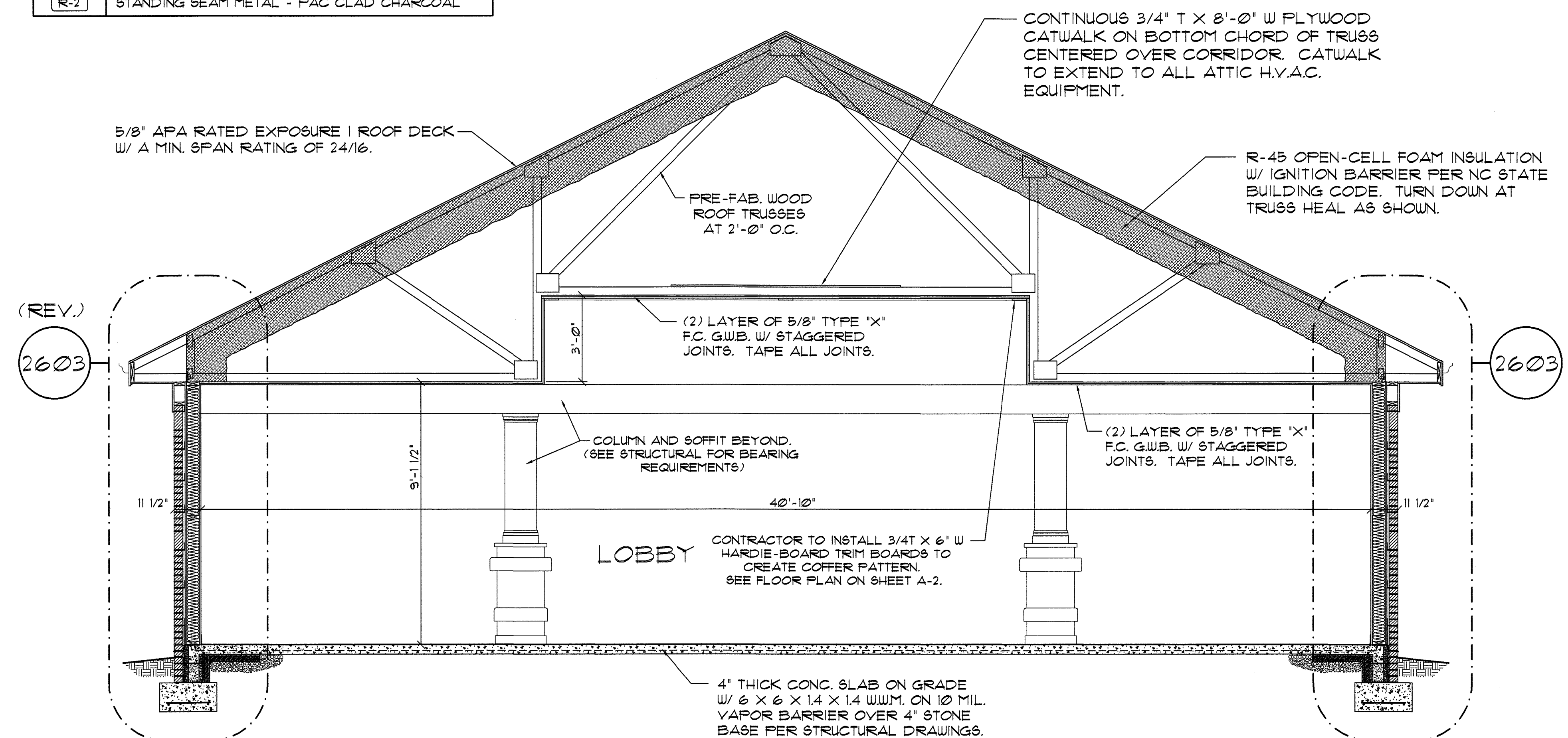
2303 FLOOR PLAN DUMPSTER PLAN
SCALE: 1/4" = 1'-0"

MARK	MATERIAL / COLOR
(B-2)	PALMETTO .75 GREYSTONE FACE BRICK
(B-4)	PALMETTO WALNUT FACE BRICK
(F-1)	CEMENTITIOUS CORNICE - SW 2829 CLASSIC WHITE
(F-2)	CEMENTITIOUS FASCIA - SW 2829 CLASSIC WHITE
(F-3)	CEMENTITIOUS LAP SIDING - SW 2829 CLASSIC WHITE
(R-1)	SHINGLES - TIMBERLINE - SLATE BLEND
(R-2)	STANDING SEAM METAL - PAC CLAD CHARCOAL

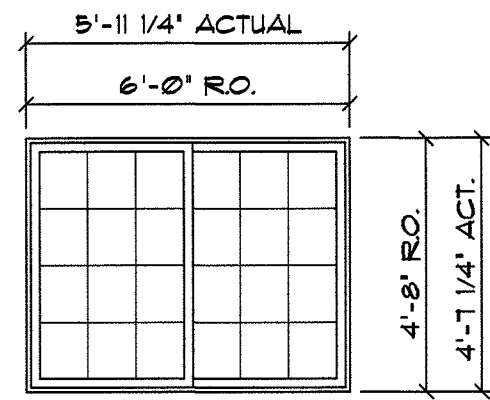
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.



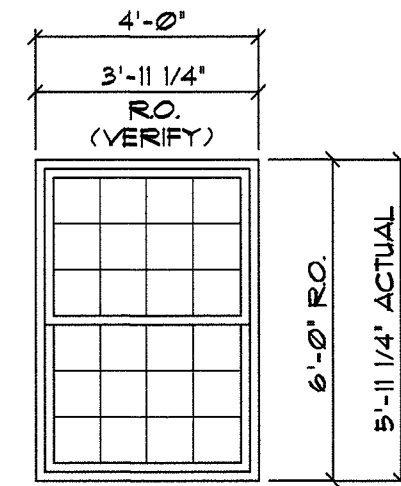
2304 SECTION DUMPSTER WALL
SCALE: 1" = 1'-0"



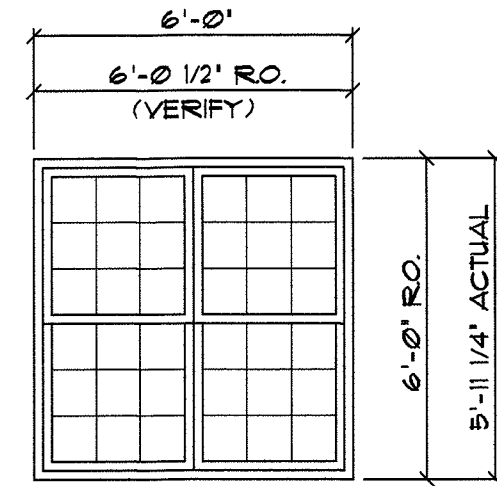
2603 SECTION LOBBY # 1A CROSS-SECTION THRU TRAY CEILING
SCALE: 3/8" = 1'-0"



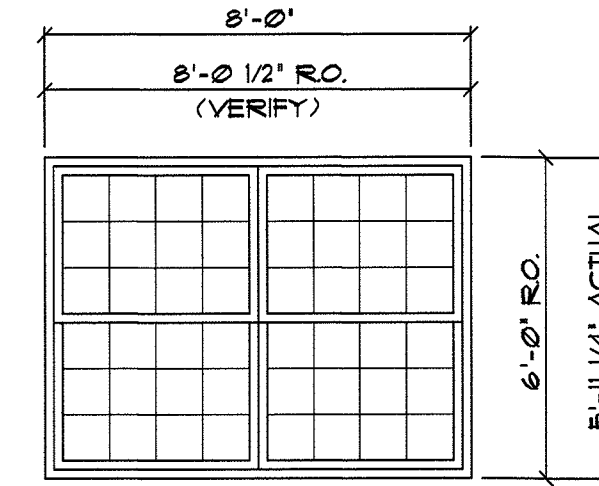
A GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5045 - 72" X 56"
ALUM. HORIZONTAL SLIDER WINDOW
W/ GRILL PATTERN - COLOR TO BE WHITE



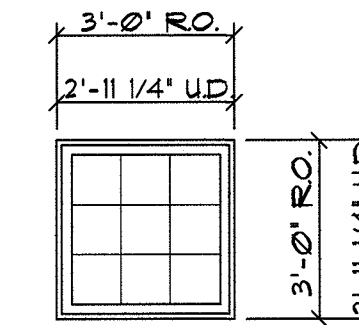
B GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - 48" X 72"
SINGLE-HUNG WINDOW UNIT
W/ GRILL PATTERN - COLOR TO BE WHITE



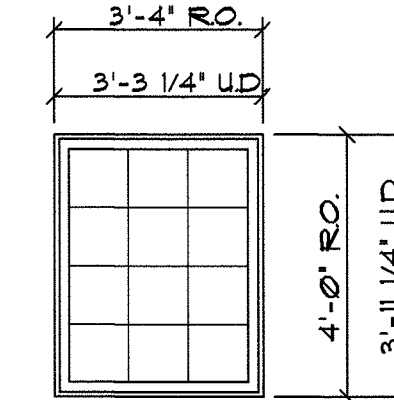
C GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5900 - (2) 36" X 72"
SINGLE-HUNG WINDOW UNIT
W/ GRILL PATTERN - COLOR TO BE WHITE



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



E GERKIN - 3'-0" W X 3'-0" H
FIXED WINDOW 5500 WINDOW UNIT
COLOR TO BE WHITE
LOCATED AT WINDOWS WALK DORMER
AS SHOWN ON ELEVATIONS



F GERKIN - 3'-4" W X 4'-0" H
FIXED WINDOW 5500 WINDOW UNIT
COLOR TO BE WHITE
LOCATED AT TYPICAL DORMER
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 'B', 'C', AND 'D' 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
S.C. ENERGY CODE AND HAVE A U-VALUE OF .38
OR BETTER.

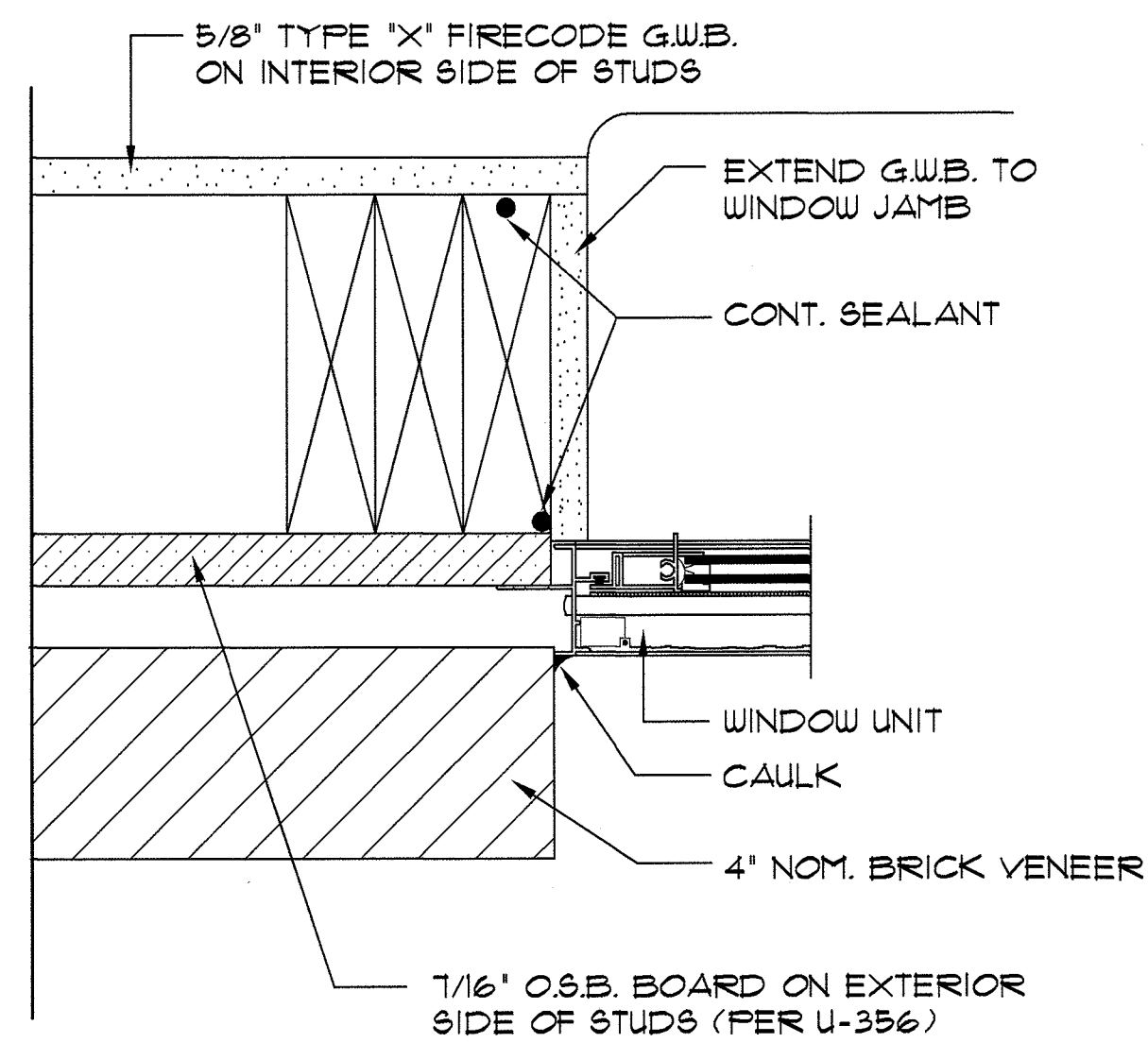
VERIFY WOOD STUD DESCRIPTION WITH STRUCTURAL DRAWINGS.

2401

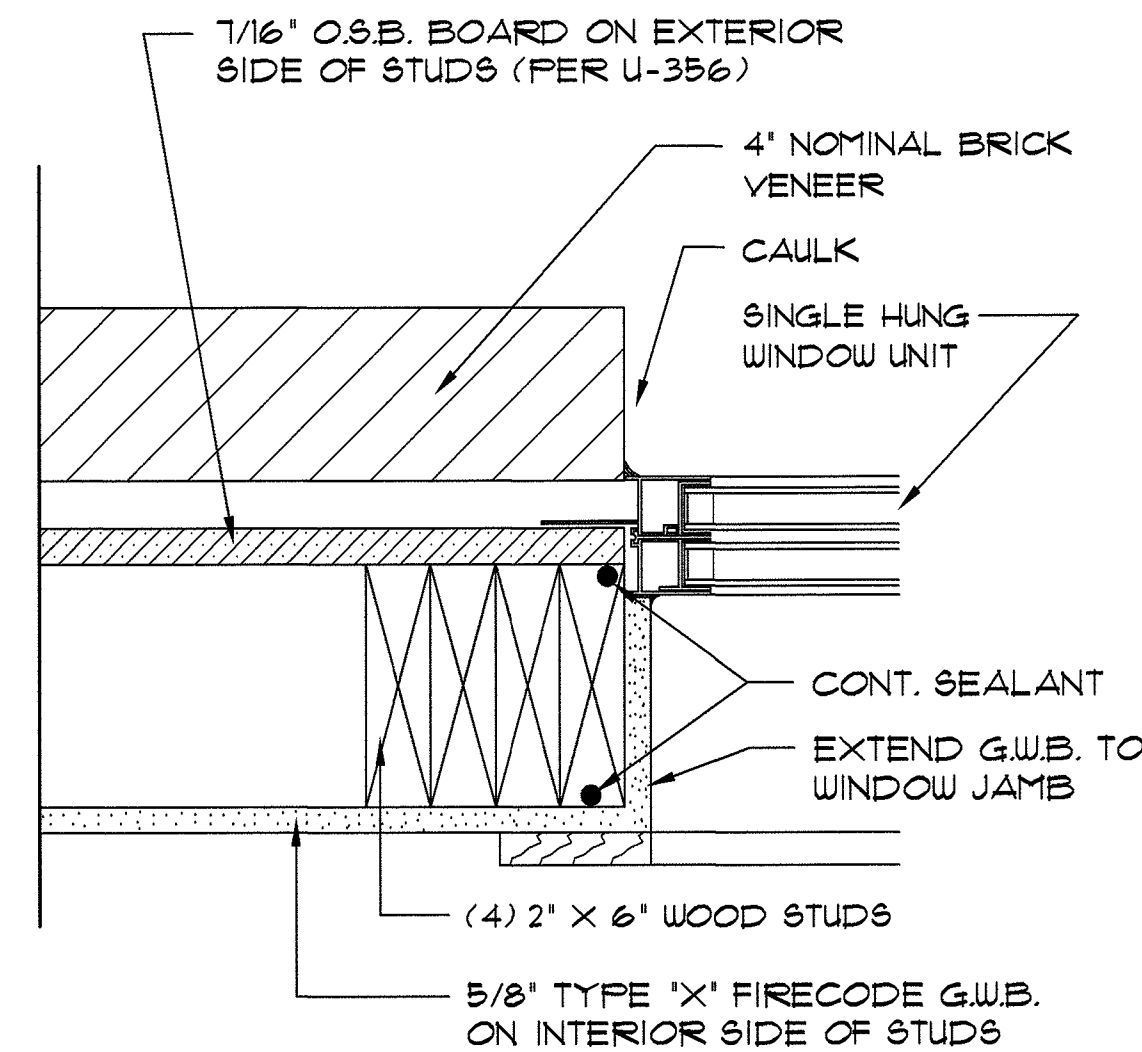
DETAIL
SCALE: N.T.S.

WINDOW SCHEDULE

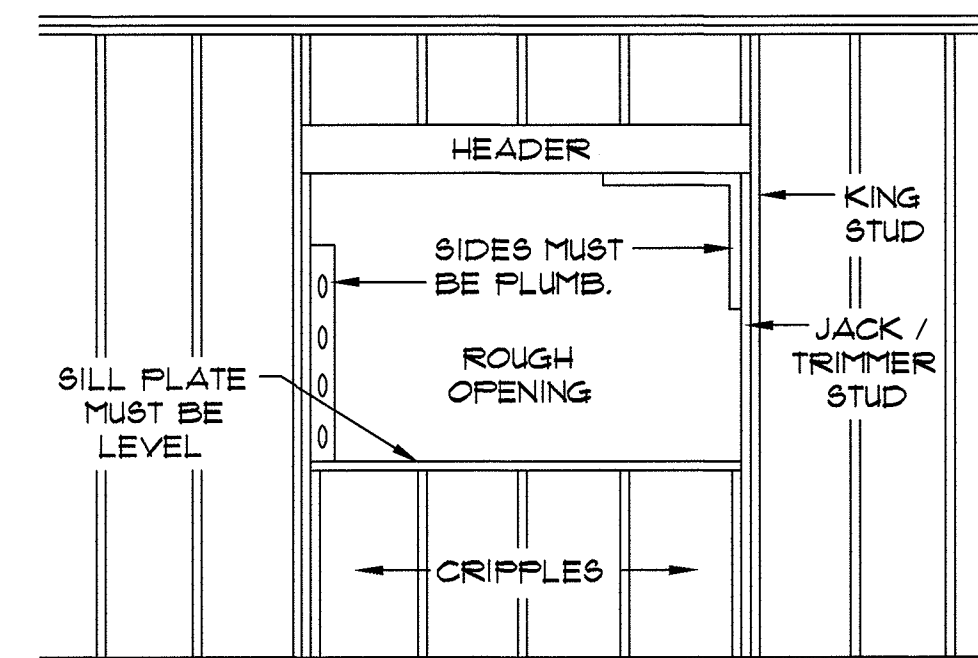
COLOR OF ALL EXTERIOR WINDOWS AND STOREFRONT MATERIAL TO BE WHITE.



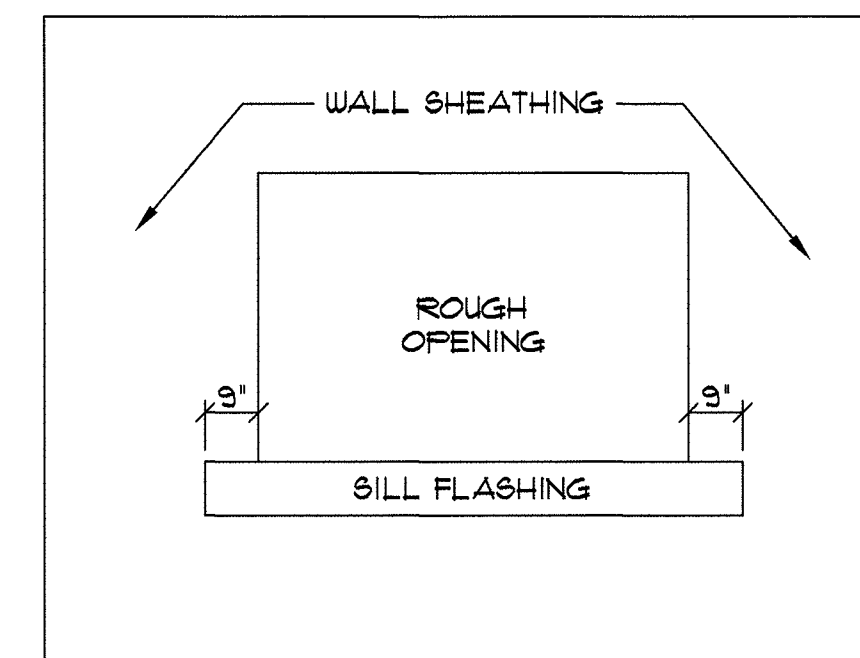
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.



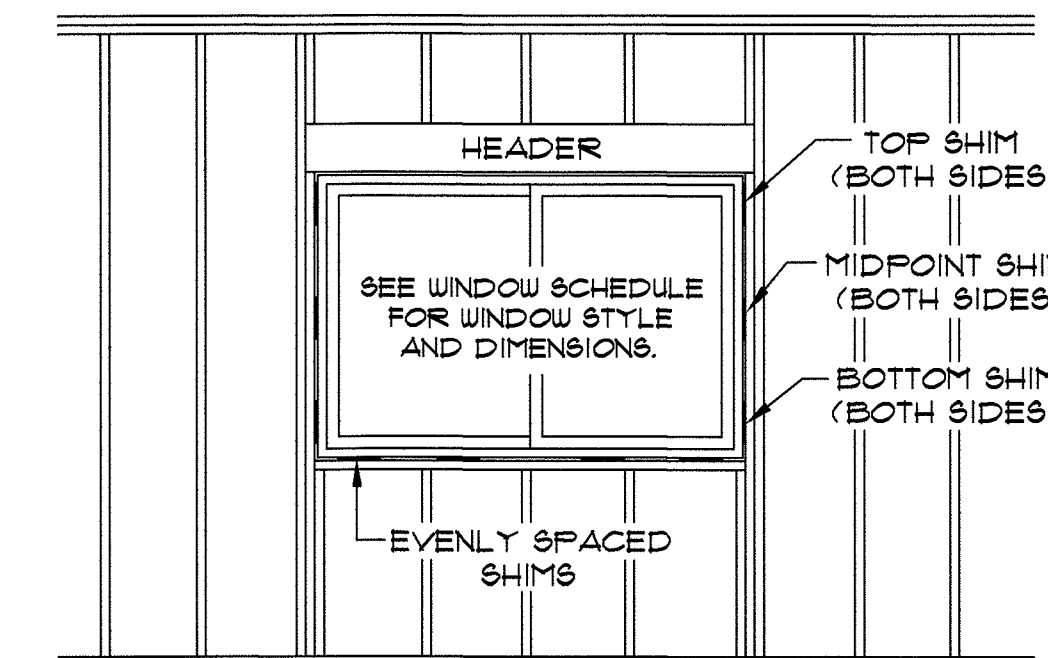
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.



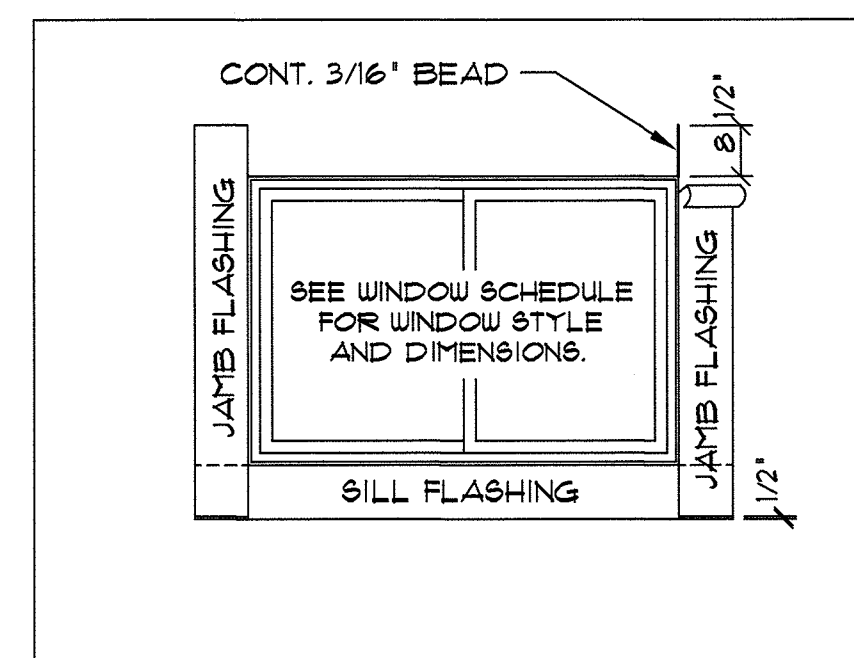
INTERIOR VIEW



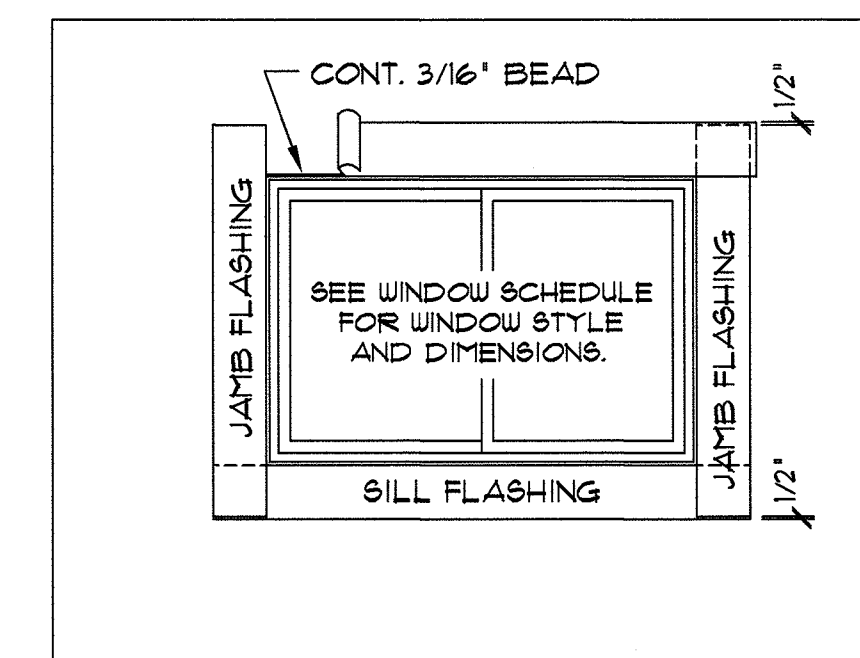
EXTERIOR VIEW



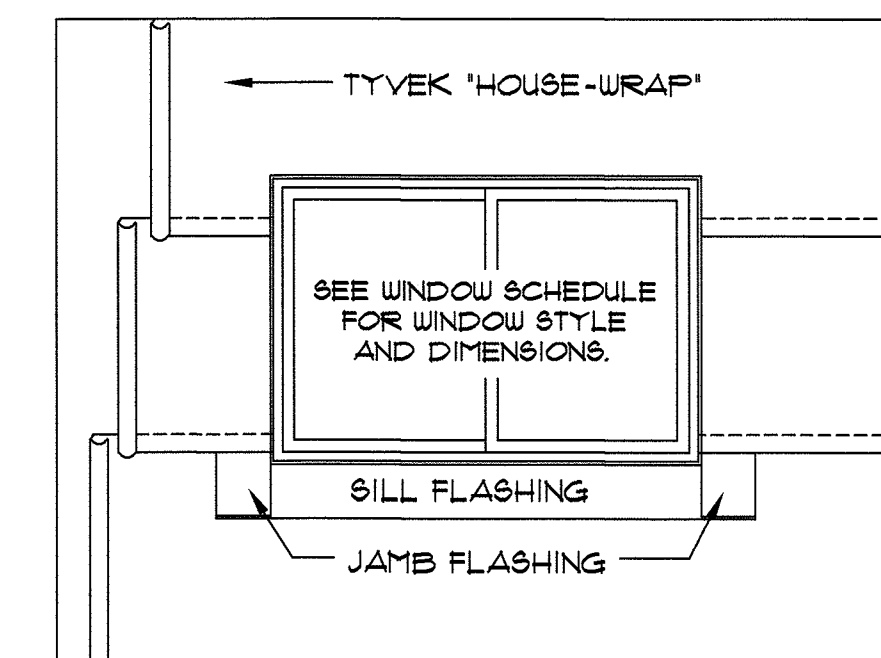
INTERIOR VIEW



EXTERIOR VIEW



EXTERIOR VIEW



EXTERIOR VIEW

2402

DETAIL
SCALE: N.T.S.

JAMB AT HORIZONTAL SLIDER
WINDOW UNIT (AT BRICK VENEER)

2403

DETAIL
SCALE: N.T.S.

JAMB AT SINGLE-HUNG
WINDOW UNIT (AT BRICK VENEER)

2304

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

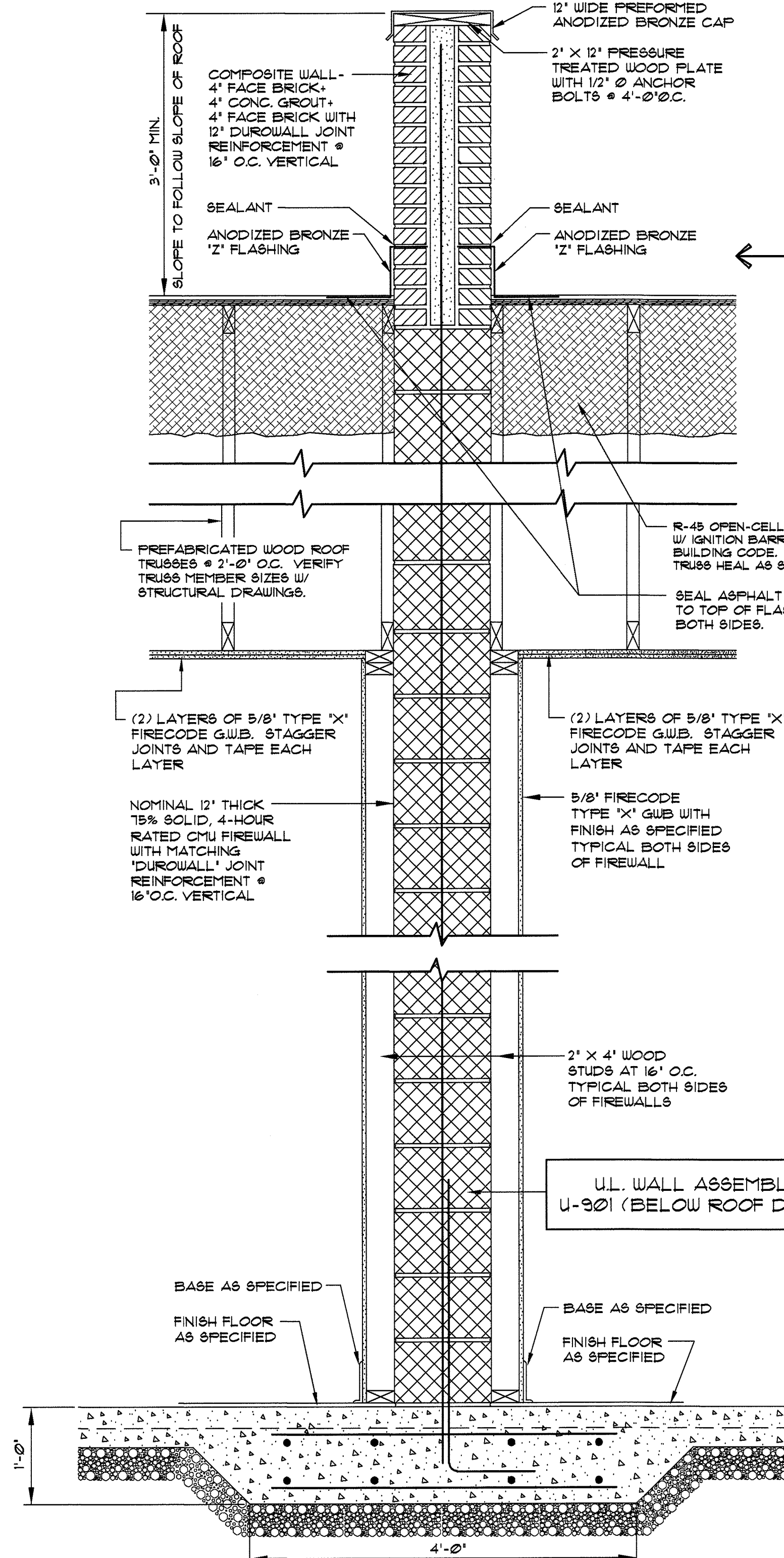
TYPICAL WINDOW INSTALLATION

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

GENERAL CONTRACTOR TO PERMANENTLY 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.

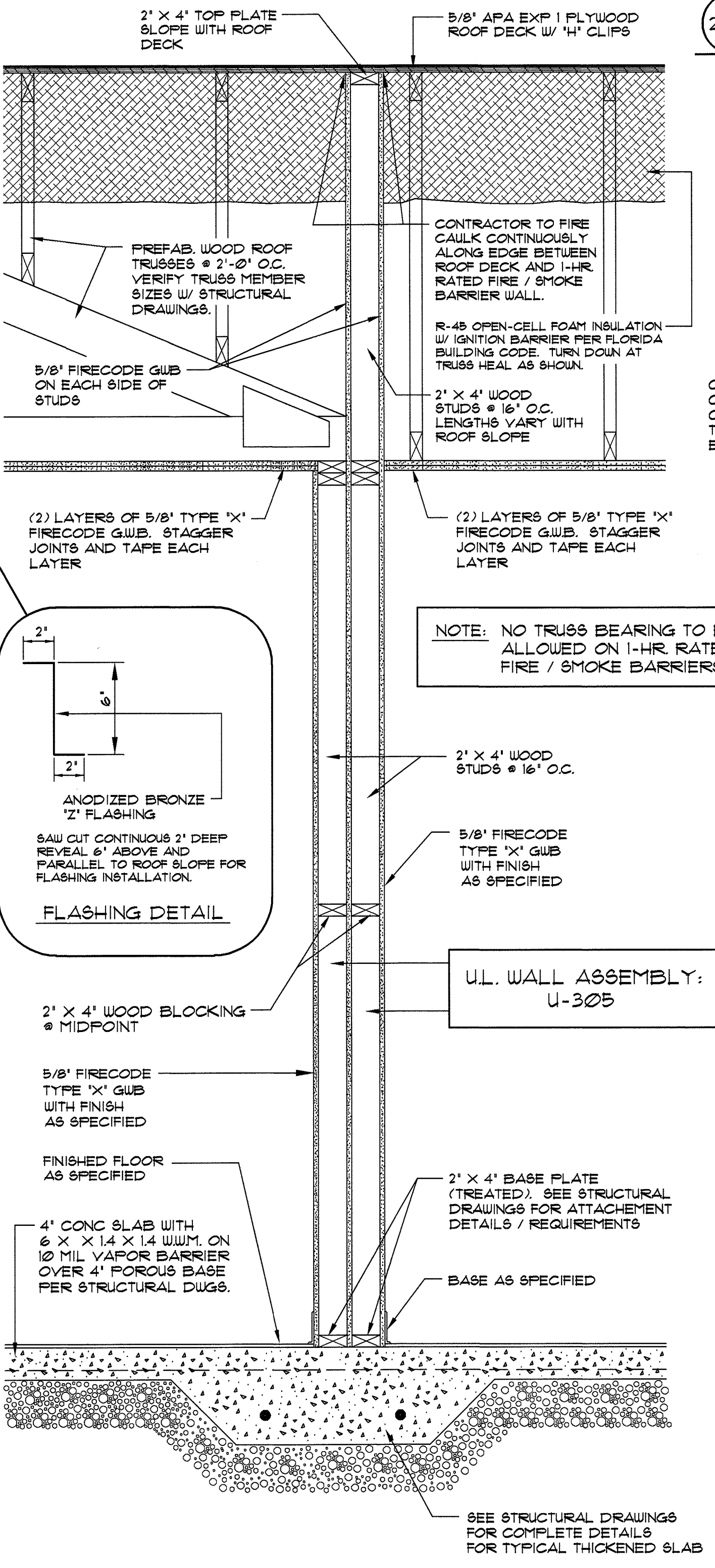
2501 SECTION TYPICAL 2-HR. FIREWALL / SMOKE BARRIER INSIDE BUILDING ENVELOPE SCALE: 1/4"=1'-0"

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.

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

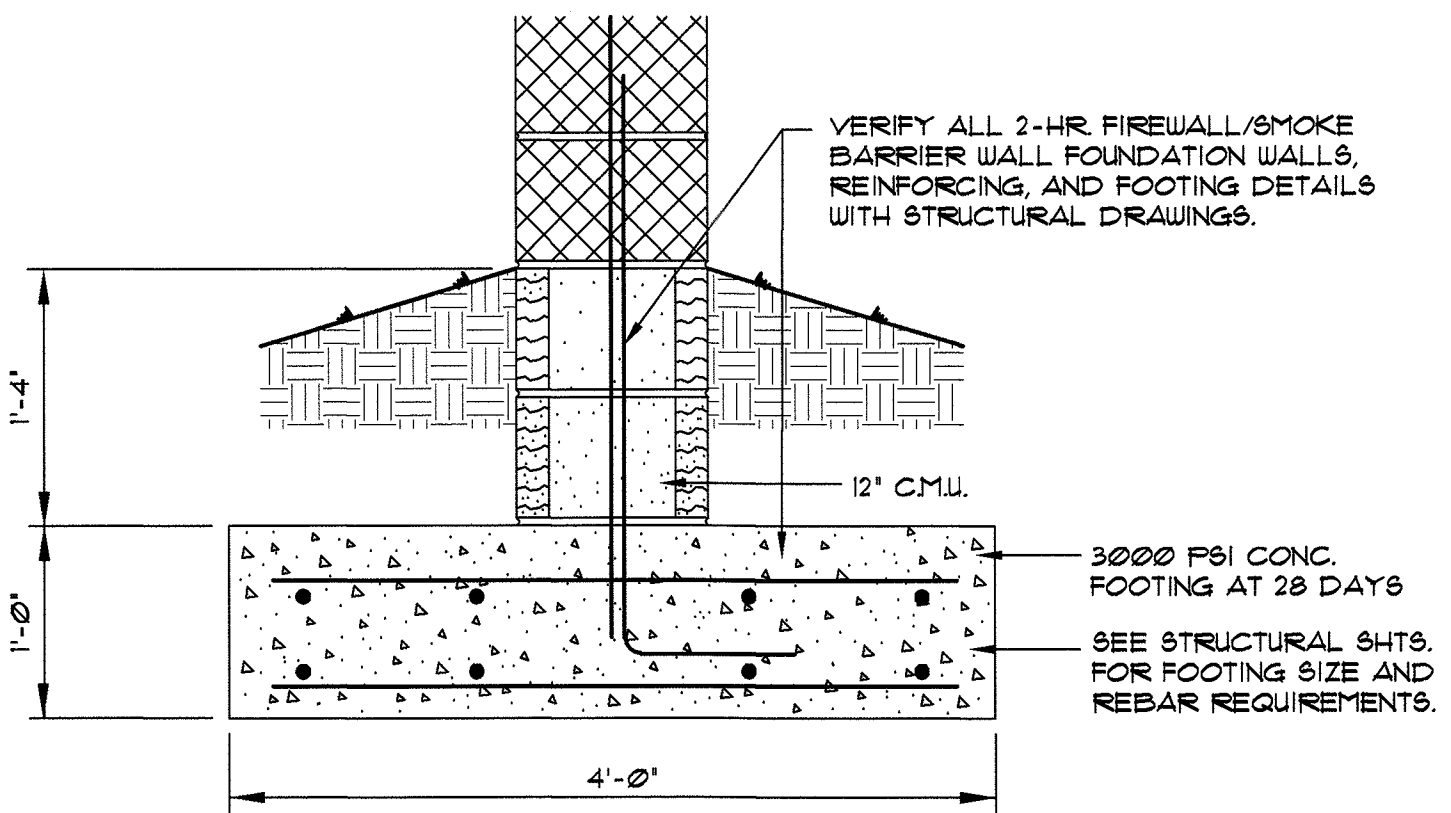
ROOF / CEILING ASSEMBLY:
U.L. ASSEMBLY P-522



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 FIRE/SMOKE BARRIERS TO EXTEND FROM FLOOR SLAB TO ROOF DECK AND EXTERIOR WALL INCLUDING SOFFIT CAVITY AND STUD CAVITY. NO VENTS IN SOFFIT SYSTEM.

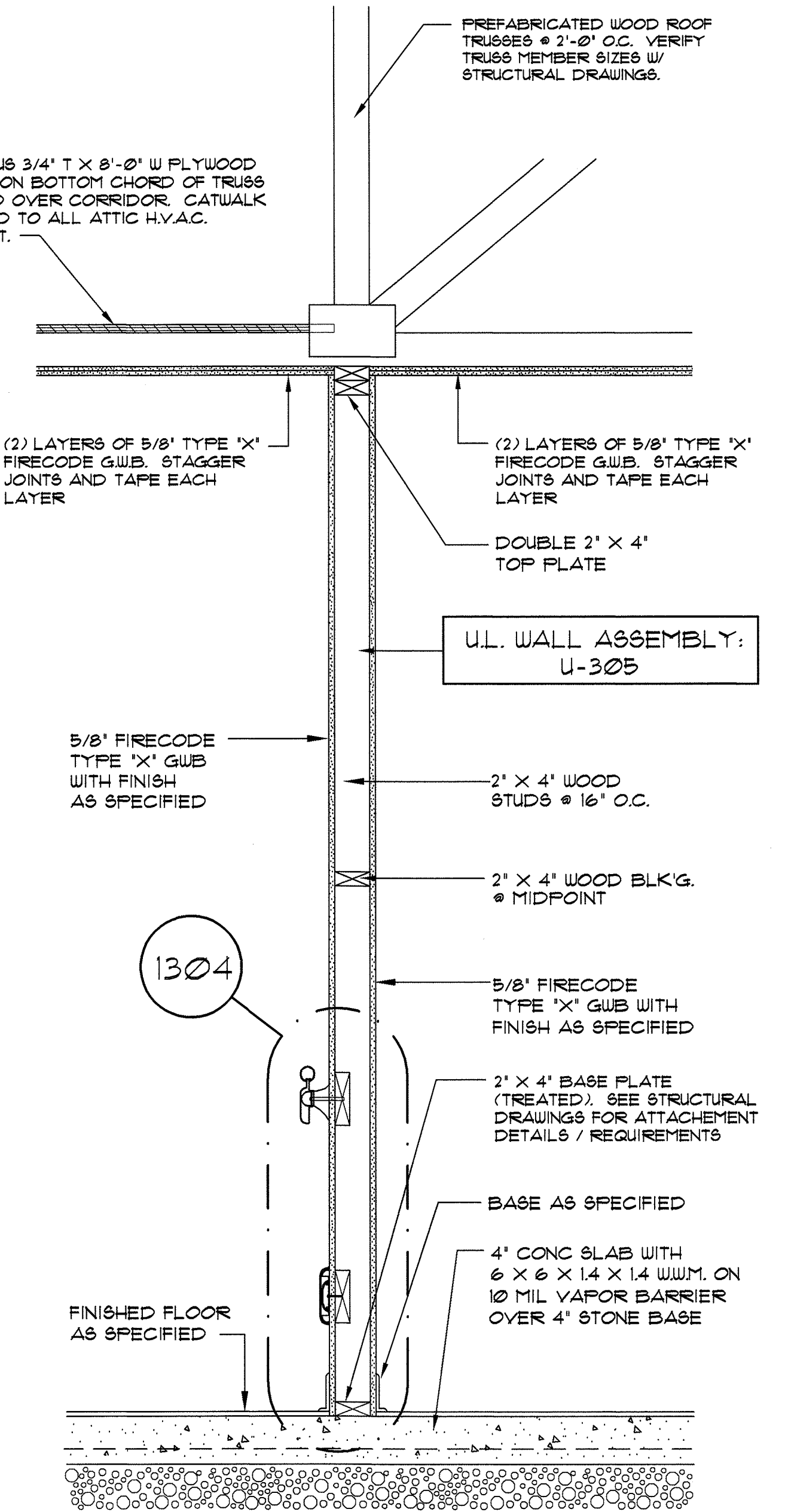
2502 SECTION 1-HOUR FIRE/SMOKE BARRIER AT BEARING LOCATION SCALE: 1/4"=1'-0"



2504 SECTION TYP. 2-HR. FIREWALL / SMOKE BARRIER OUTSIDE BUILDING ENVELOPE SCALE: 1/4"=1'-0"

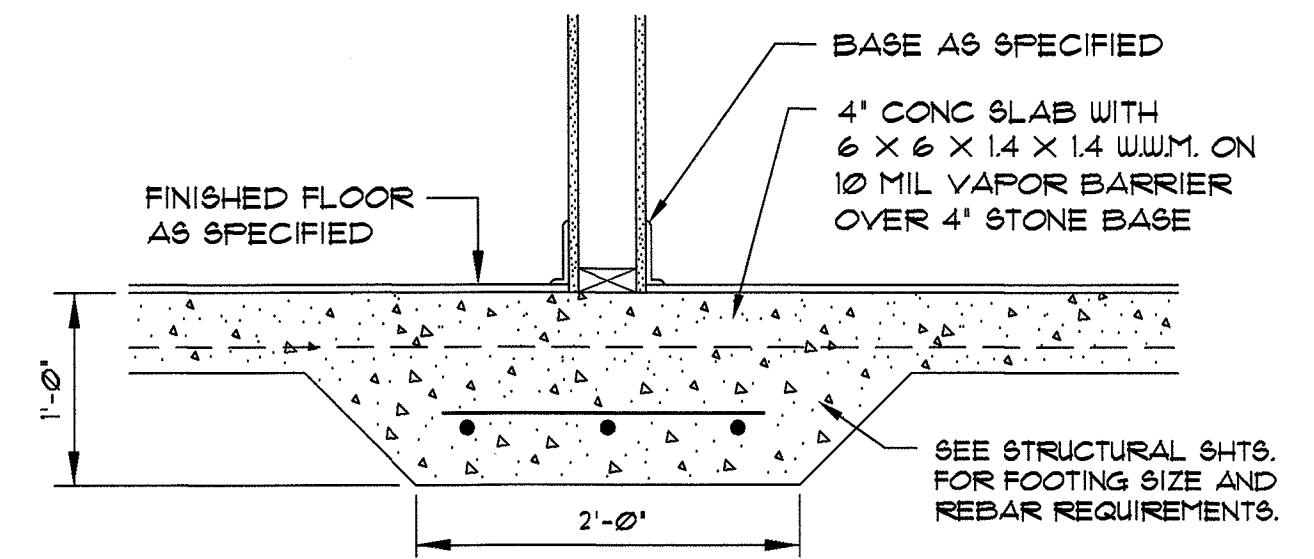
ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



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.

2503 SECTION TYPICAL CORRIDOR WALL SCALE: 1/4"=1'-0"

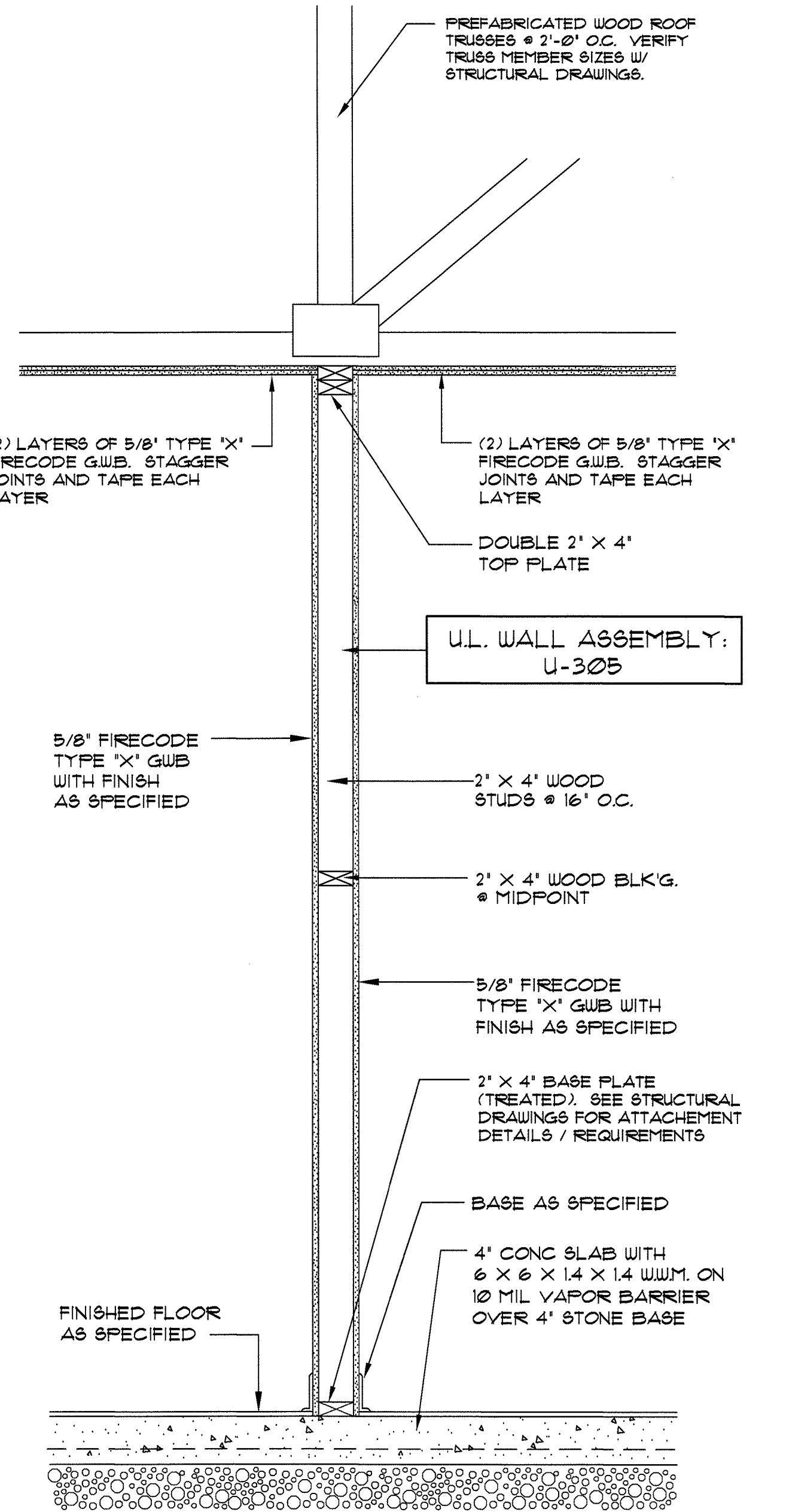


NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF CORRIDOR WALLS THAT WILL BE USED AS BEARING WALLS. SEE STRUCTURAL DRAWINGS FOR DETAILS / DESIGN OF THE THICKENED SLABS USED AT THESE LOCATIONS.

2505 SECTION TYPICAL INTERIOR BEARING WALL FOOTING SCALE: 1/4"=1'-0"

ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



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.

2504 SECTION TYPICAL INTERIOR PARTITION SCALE: 1/4"=1'-0"

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2-15-2026

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NURSING FACILITY

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25

PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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

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

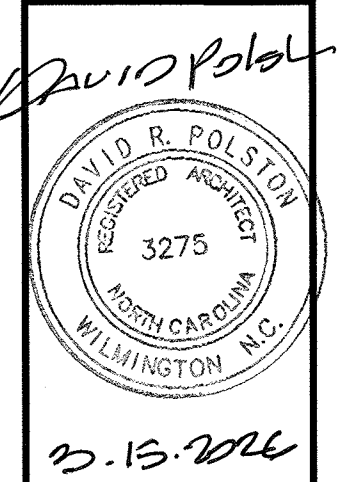
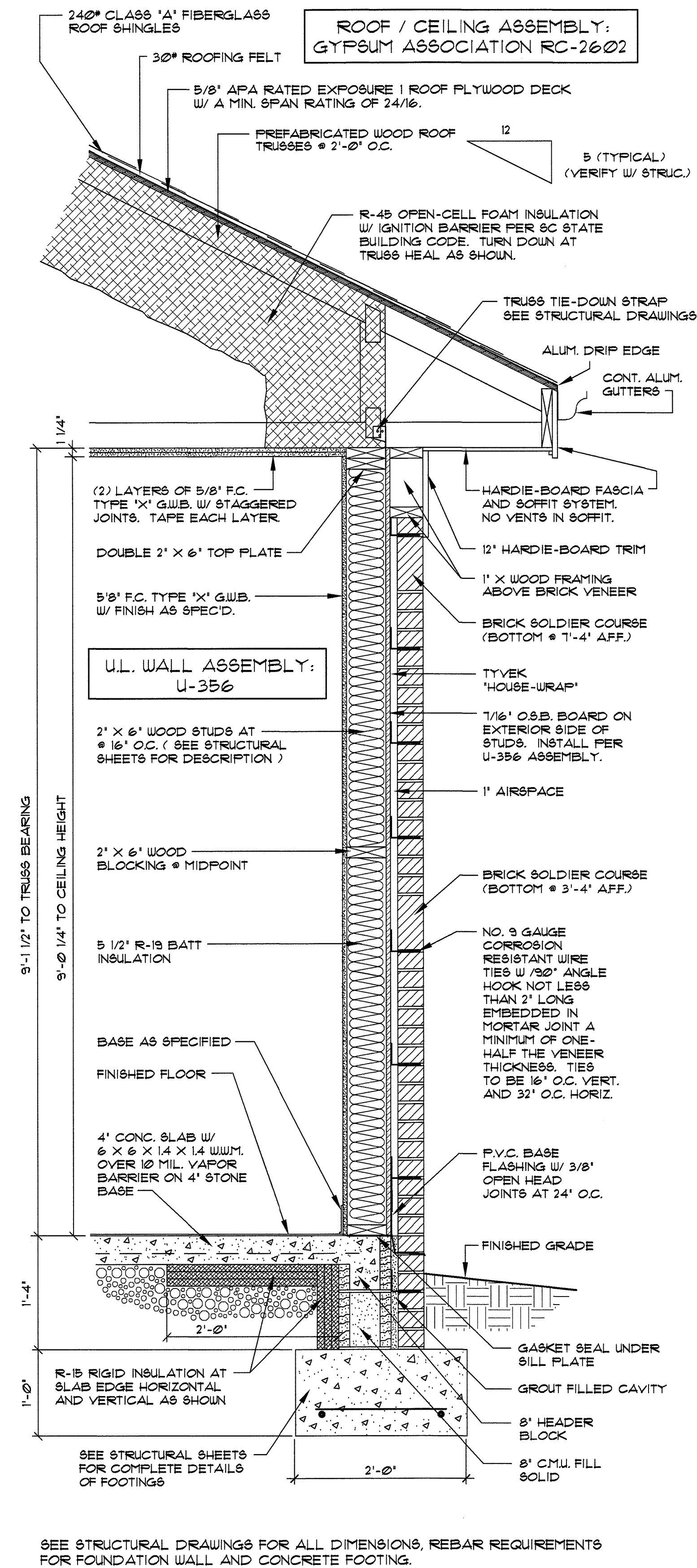
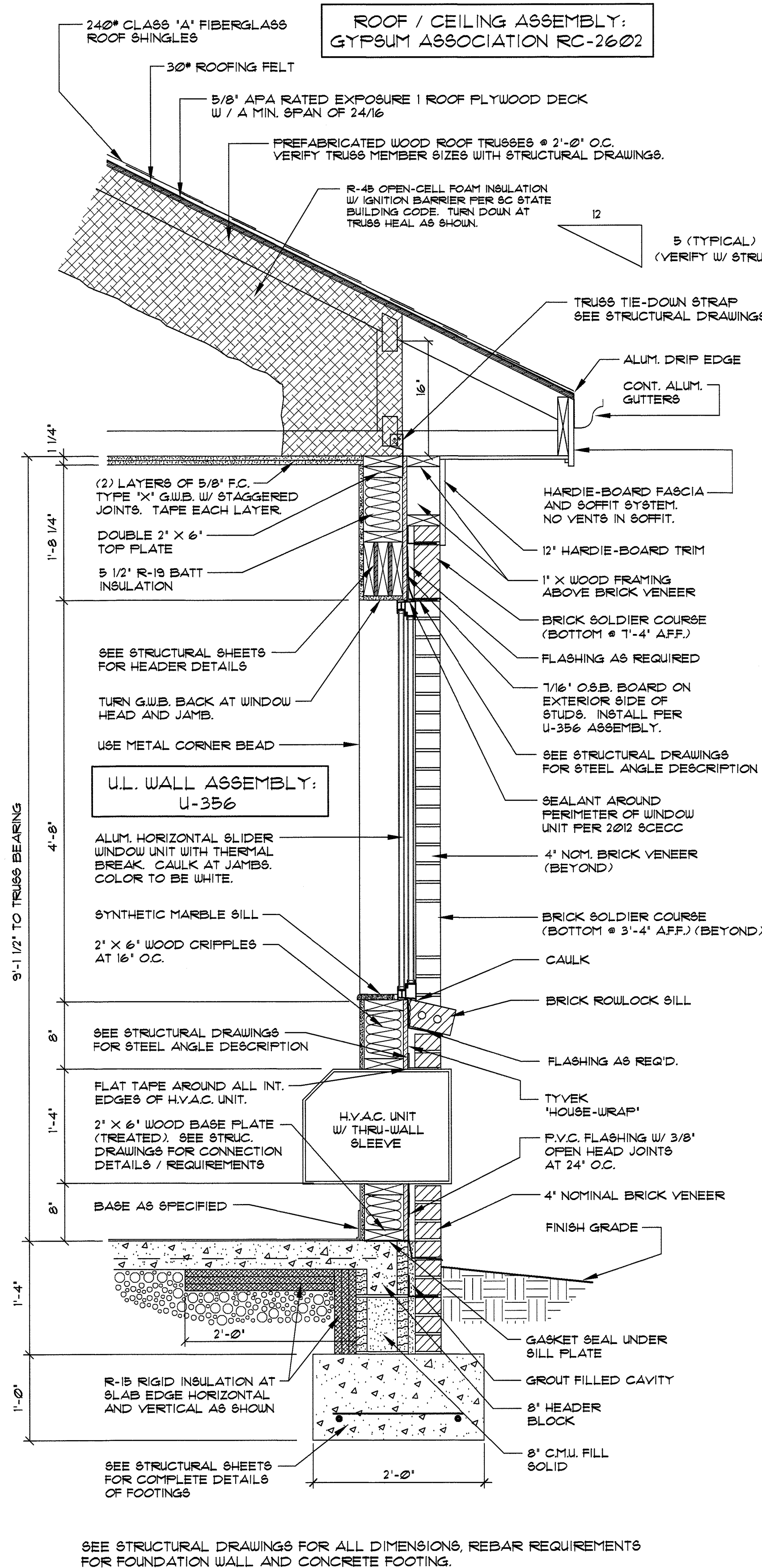
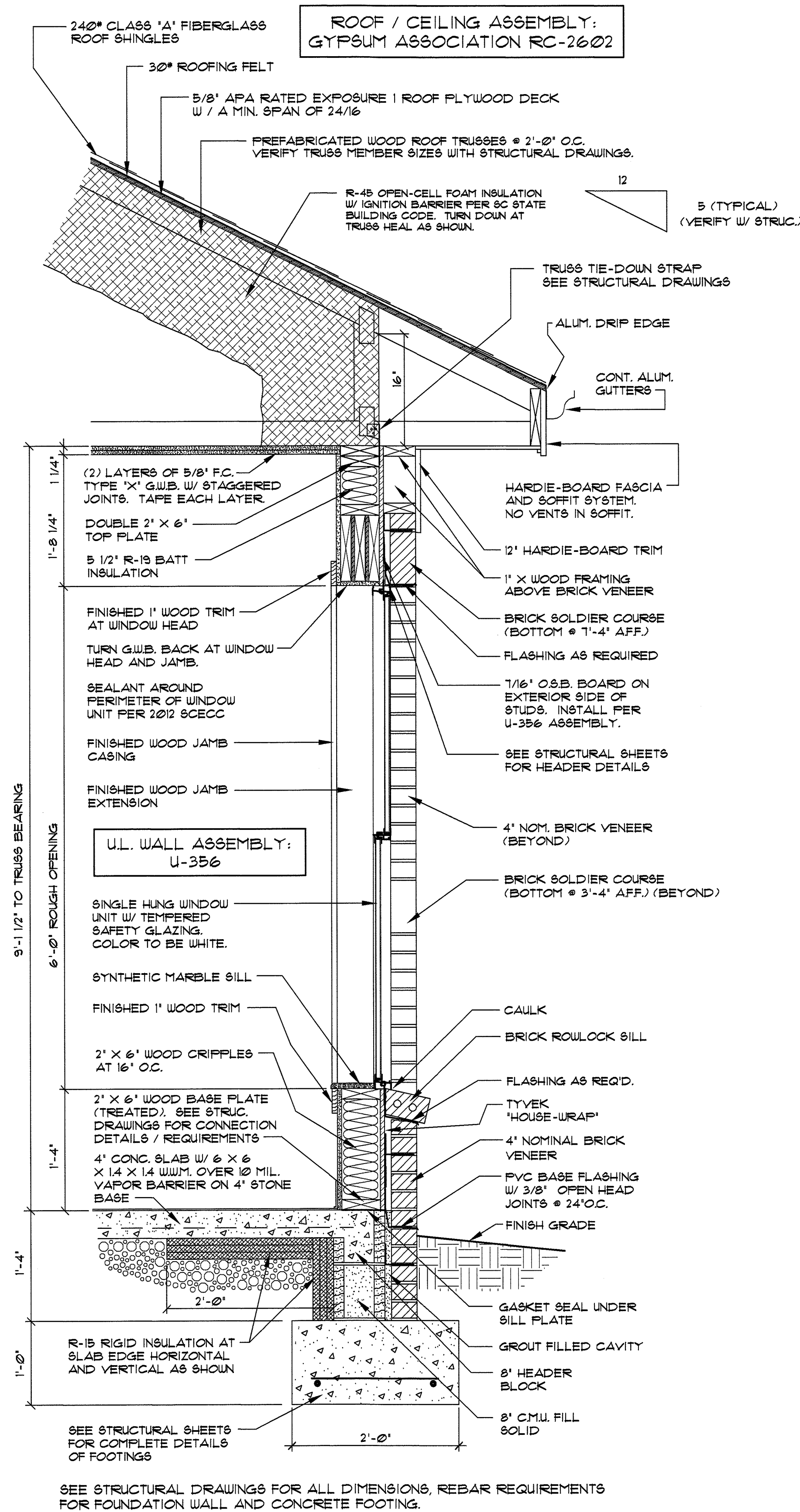
NOTE:

PRIOR TO THE START OF FOUNDATION FOOTING AND WALL CONSTRUCTION, CONTRACTOR TO SCHEDULE A COORDINATION MEETING WITH ARCHITECT AND STRUCTURAL ENGINEER TO VERIFY ALL DIMENSIONS AND DETAILS.

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

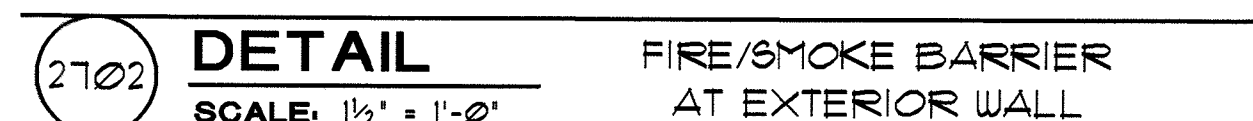
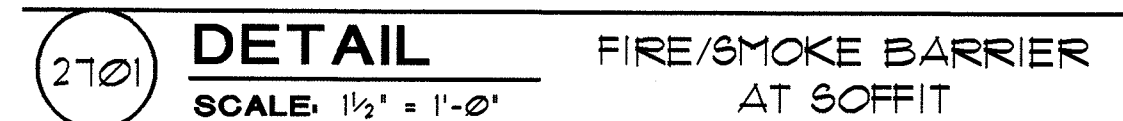


PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

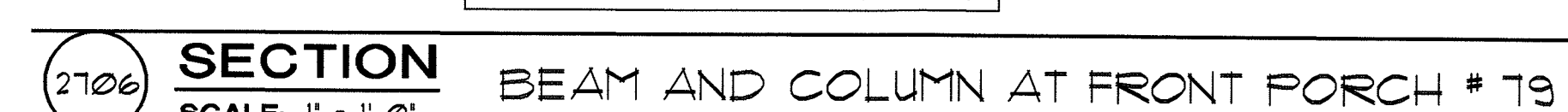
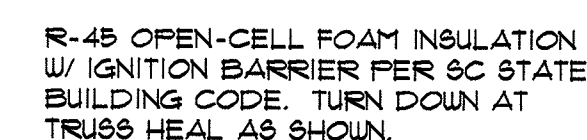
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

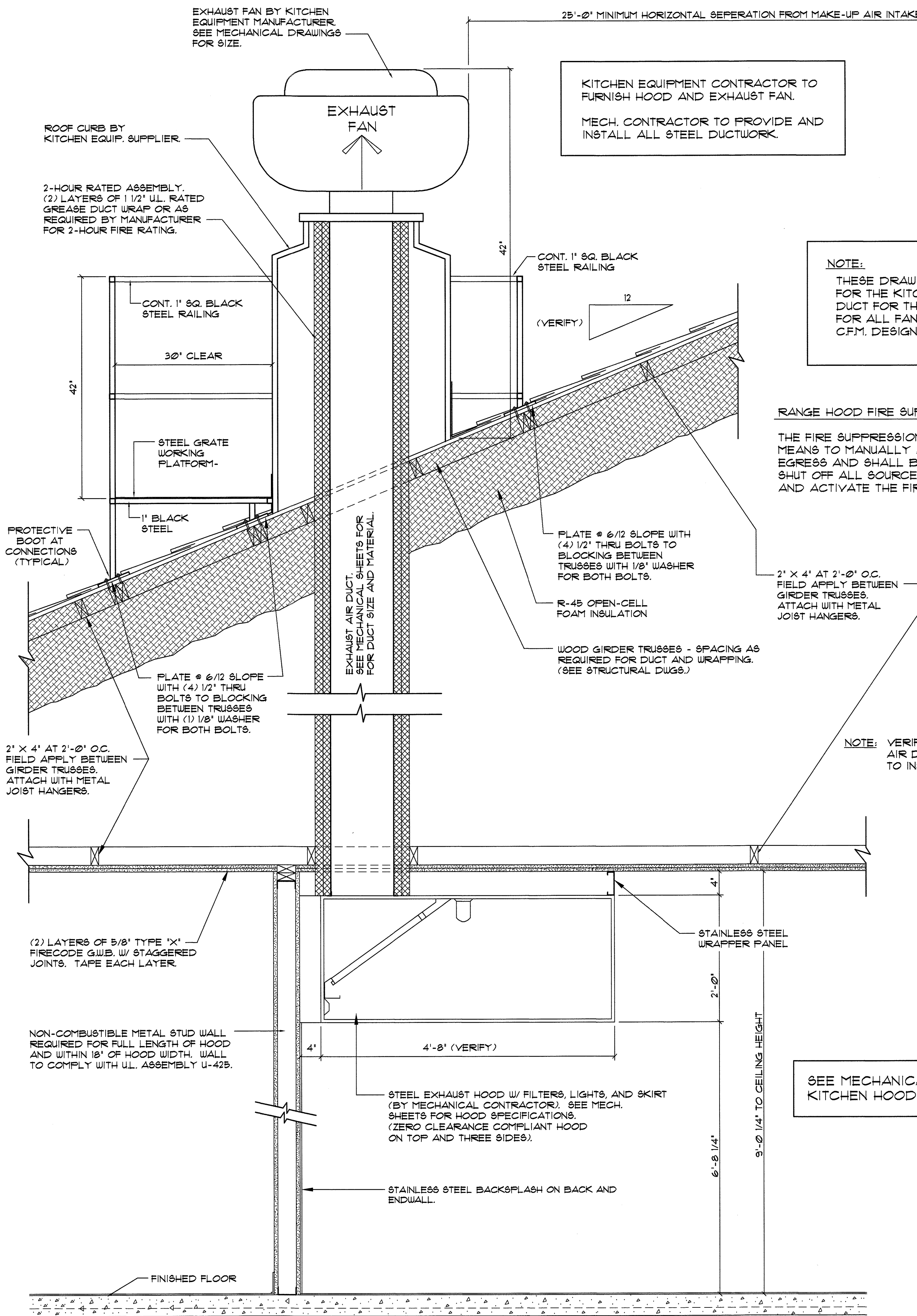
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26



2704 **DETAIL** ONE HOUR HORIZONTAL
SCALE: N.T.S. SEPERATION





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-R3100)

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 1918, AC101 CERTIFIED

NOTE:

THESE DRAWINGS ARE TO INDICATE THE TYPE AND SIZE OF DUCT SHAFT 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, CFM, DESIGNATIONS, AND COORDINATION WITH THE FIRE ALARM AND ELECTRICAL SYSTEMS.

RANGE HOOD FIRE SUPPRESSION SYSTEM SPECIFICATIONS:

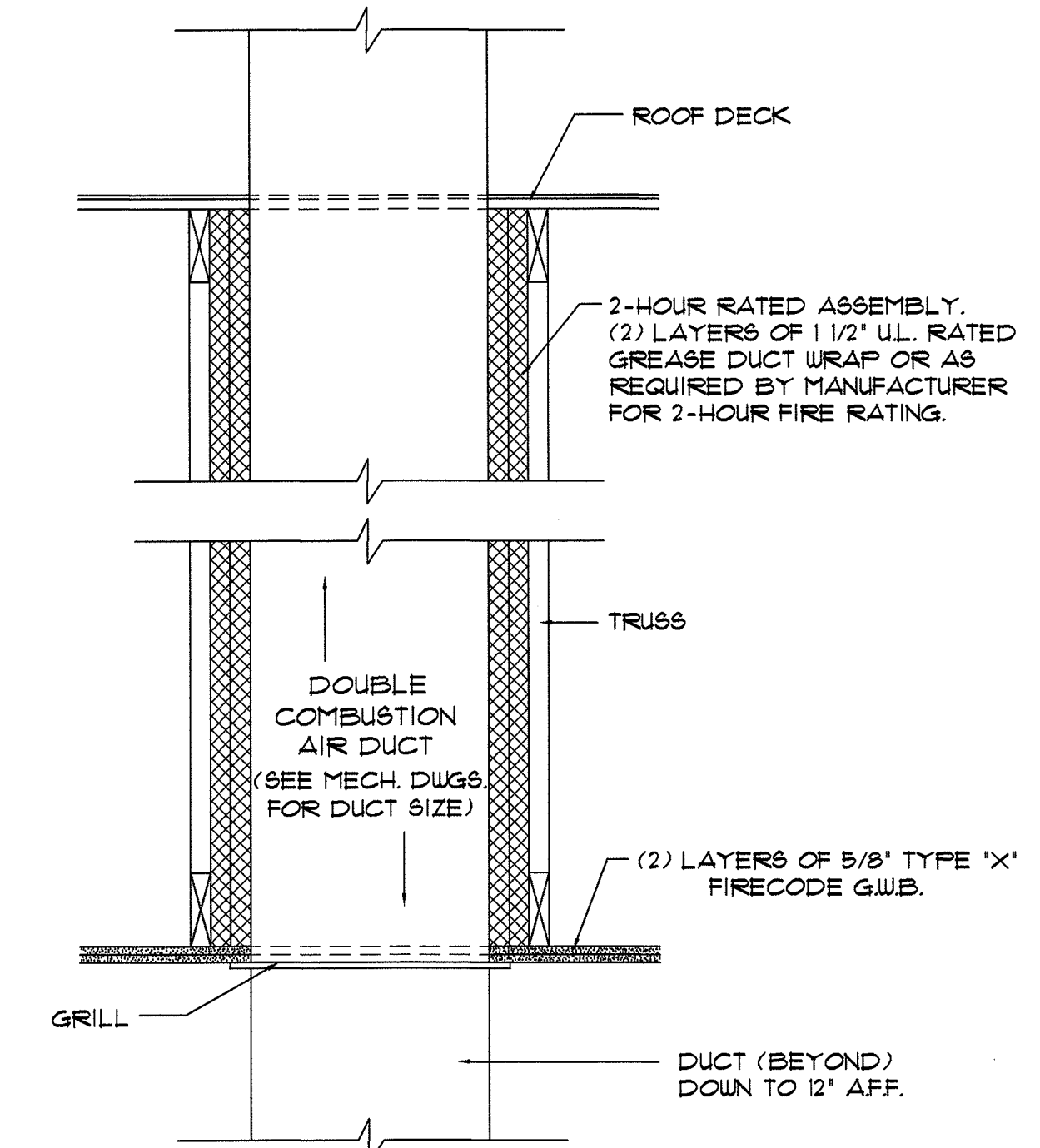
THE FIRE SUPPRESSION SYSTEM SHALL BE AN ANSUL MODEL R-102 SYSTEM. A READILY ACCESSIBLE MEANS TO MANUALLY ACTUATE THE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED IN A PATH OF EGRESS AND SHALL BE CLEARLY IDENTIFIED. THE OPERATION OF THE ANSUL SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL AND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

VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

NOTE: VERIFY NUMBER OF DUCTS AND SIZES OF EXHAUST AIR DUCT(S) WITH KITCHEN HOOD SUPPLIER PRIOR TO INSTALLATION.

SEE MECHANICAL DRAWINGS FOR ADDITIONAL KITCHEN HOOD DETAILS.

KITCHEN EQUIPMENT CONTRACTOR TO FURNISH HOOD AND CONDENSATE EXHAUST FAN. MECH. CONTRACTOR TO PROVIDE STAINLESS STEEL DUCTWORK AND INSTALL ALL ABOVE.



2803

SECTION

SCALE: 1"=1'-0"

SECTION

SCALE: 1"=1'-0"

2802

SECTION

SCALE: 1"=1'-0"

SECTION

SCALE: 1"=1'-0"

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WILMINGTON, NC
3-15-2024

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28

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

5/8" APA RATED EXPOSURE I ROOF DECK W/ A MIN. SPAN RATING OF 24/16.

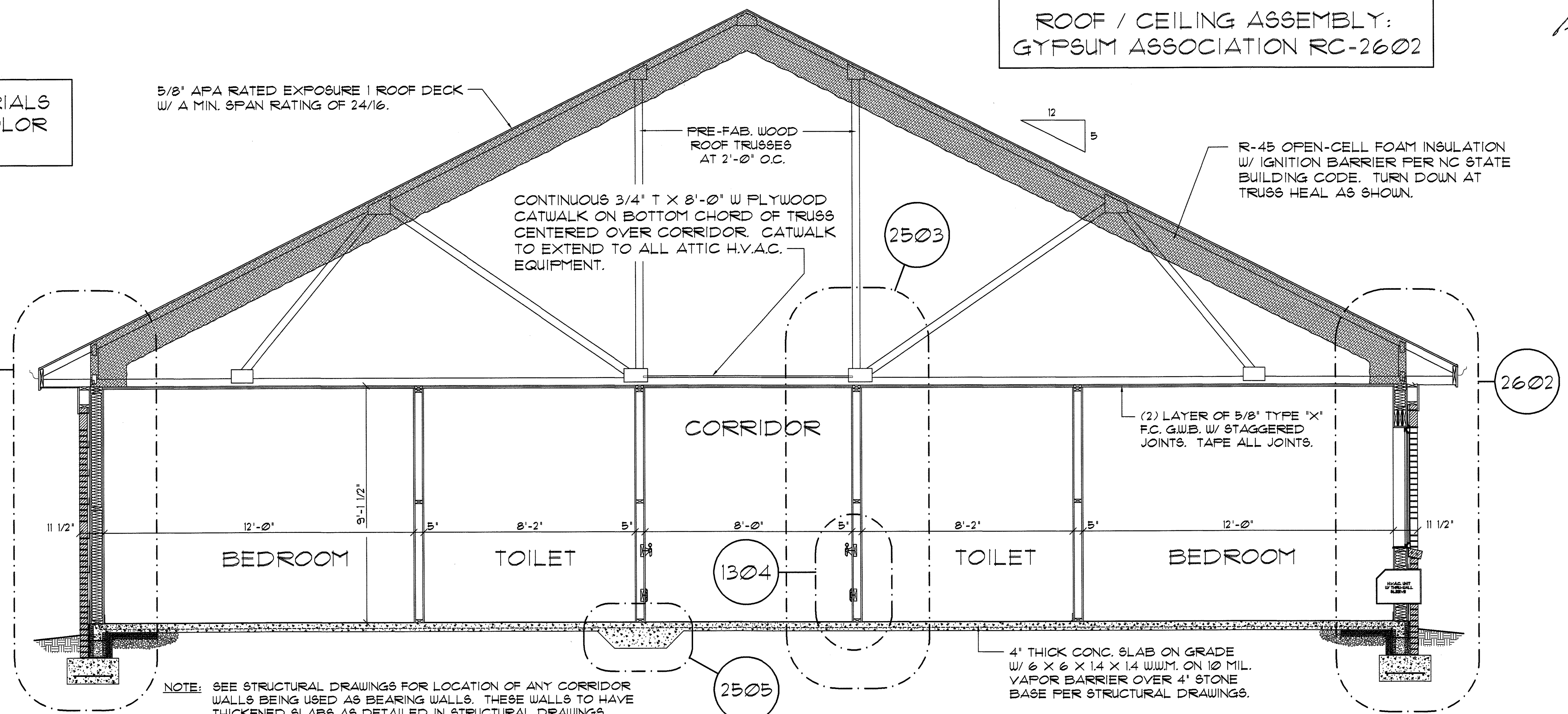
PRE-FAB. WOOD ROOF TRUSSES AT 2'-0" O.C.

CONTINUOUS 3/4" T X 8'-0" W PLYWOOD CATWALK ON BOTTOM CHORD OF TRUSS CENTERED OVER CORRIDOR. CATWALK TO EXTEND TO ALL ATTIC H.V.A.C. EQUIPMENT.

ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602

R-45 OPEN-CELL FOAM INSULATION W/ IGNITION BARRIER PER NC STATE BUILDING CODE. TURN DOWN AT TRUSS HEAL AS SHOWN.

(REV.)
2603



NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATION OF ANY CORRIDOR WALLS BEING USED AS BEARING WALLS. THESE WALLS TO HAVE THICKENED SLABS AS DETAILED IN STRUCTURAL DRAWINGS.

SECTION 2301 TYPICAL BEDROOM WING CROSS-SECTION - 12'-0" BEDWALL
SCALE: 3/8" = 1'-0"

R-45 OPEN-CELL FOAM INSULATION W/ IGNITION BARRIER PER NC STATE BUILDING CODE. TURN DOWN AT TRUSS HEAL AS SHOWN.

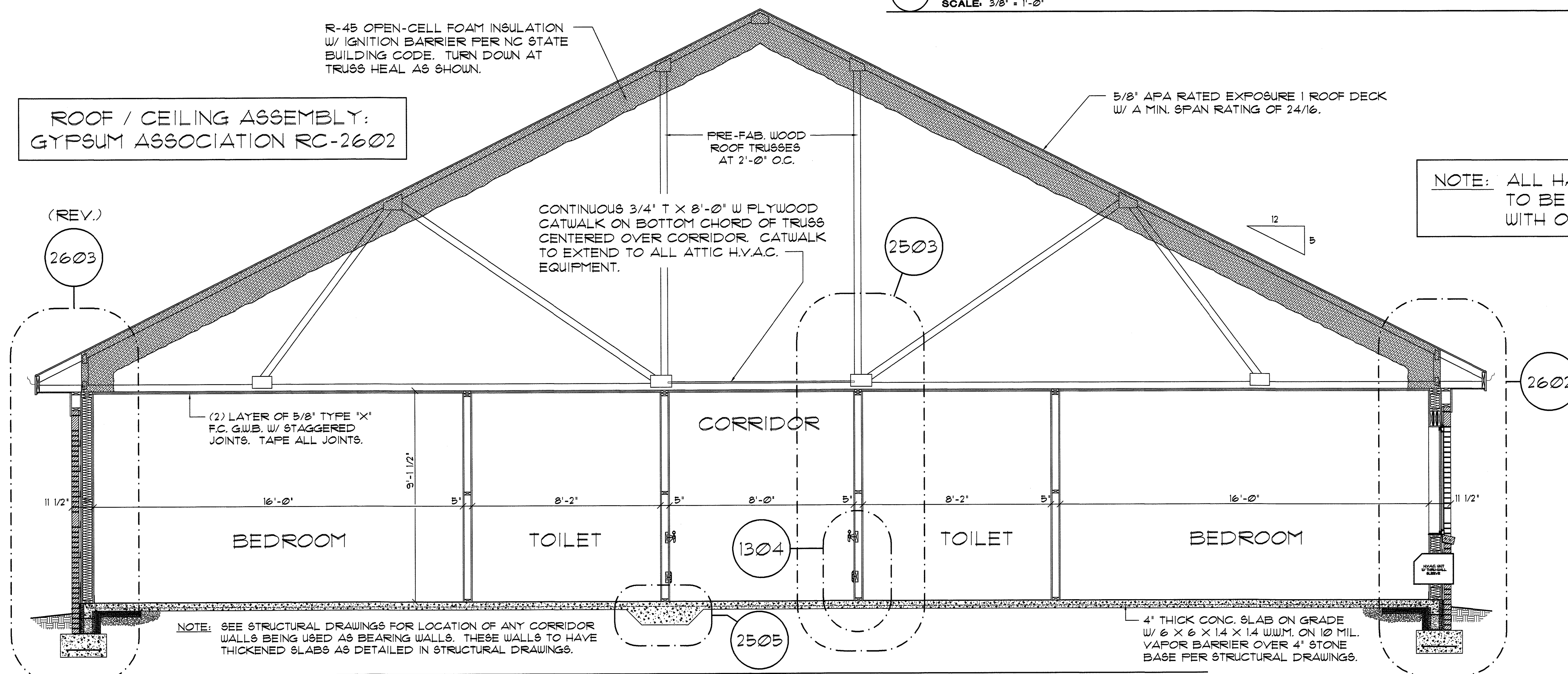
ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602

(REV.)
2603

CONTINUOUS 3/4" T X 8'-0" W PLYWOOD CATWALK ON BOTTOM CHORD OF TRUSS CENTERED OVER CORRIDOR. CATWALK TO EXTEND TO ALL ATTIC H.V.A.C. EQUIPMENT.

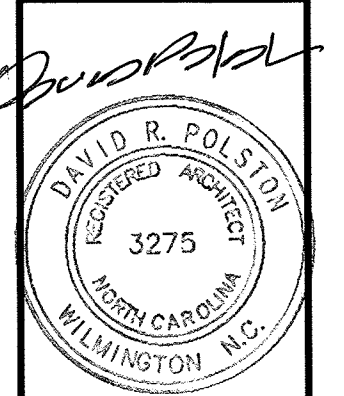
5/8" APA RATED EXPOSURE I ROOF DECK W/ A MIN. SPAN RATING OF 24/16.

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



NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATION OF ANY CORRIDOR WALLS BEING USED AS BEARING WALLS. THESE WALLS TO HAVE THICKENED SLABS AS DETAILED IN STRUCTURAL DRAWINGS.

SECTION 2302 TYPICAL BEDROOM WING CROSS-SECTION - 16'-0" BEDWALL
SCALE: 3/8" = 1'-0"

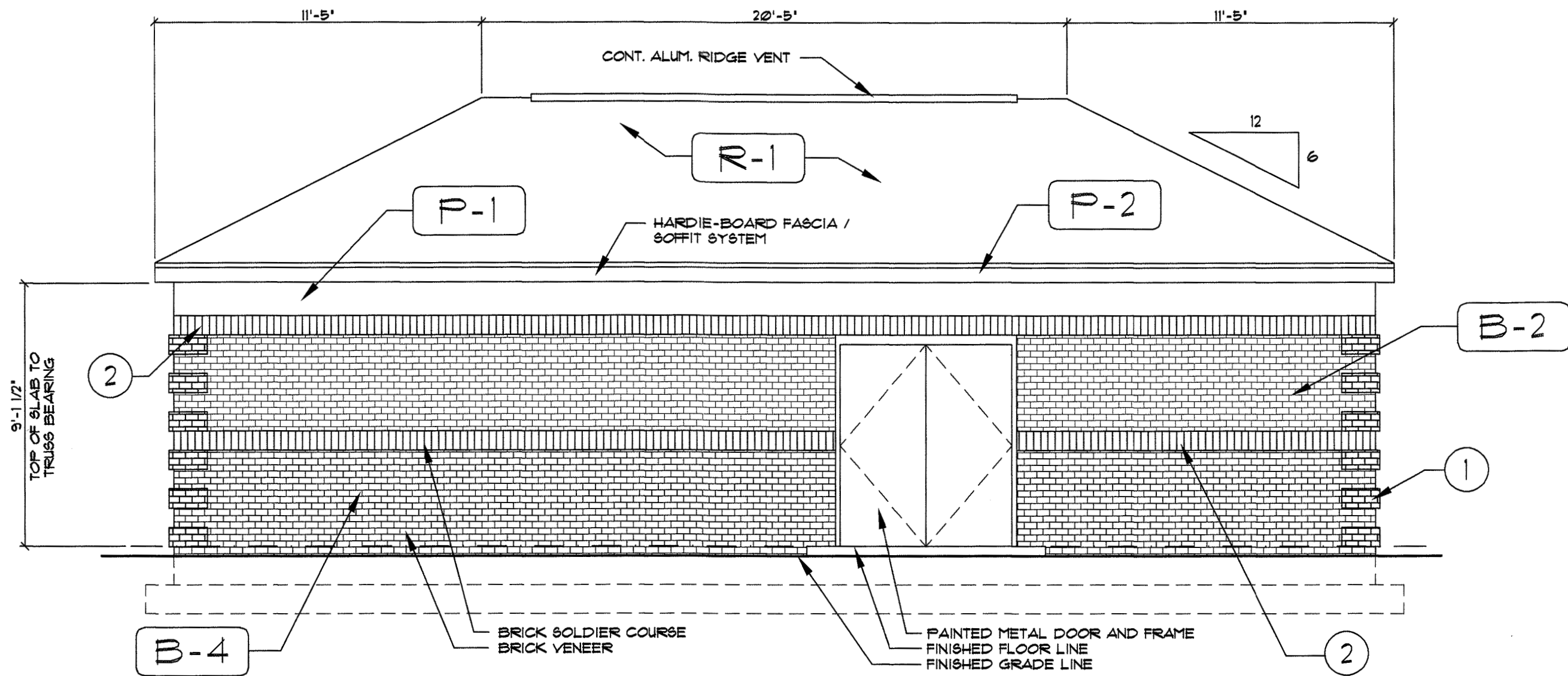


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WAKE COUNTY
Holly Springs, North Carolina

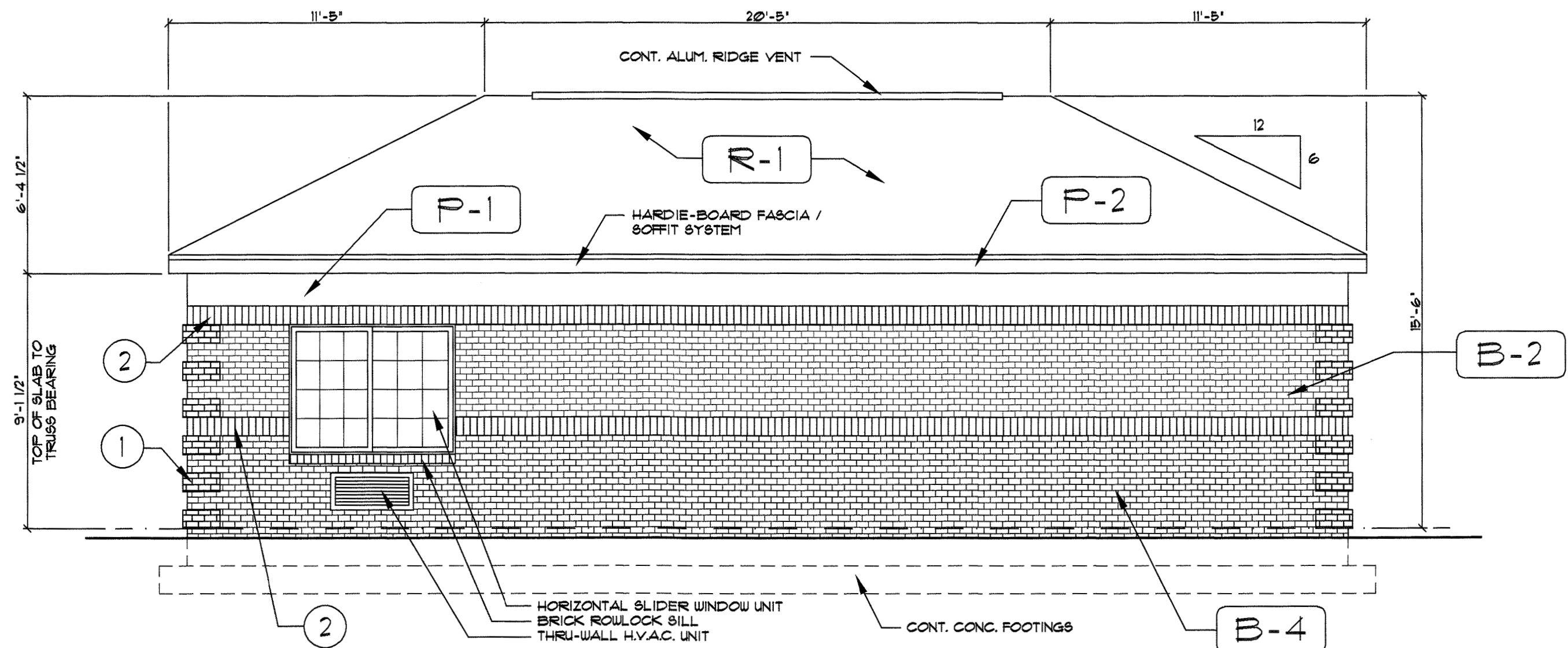
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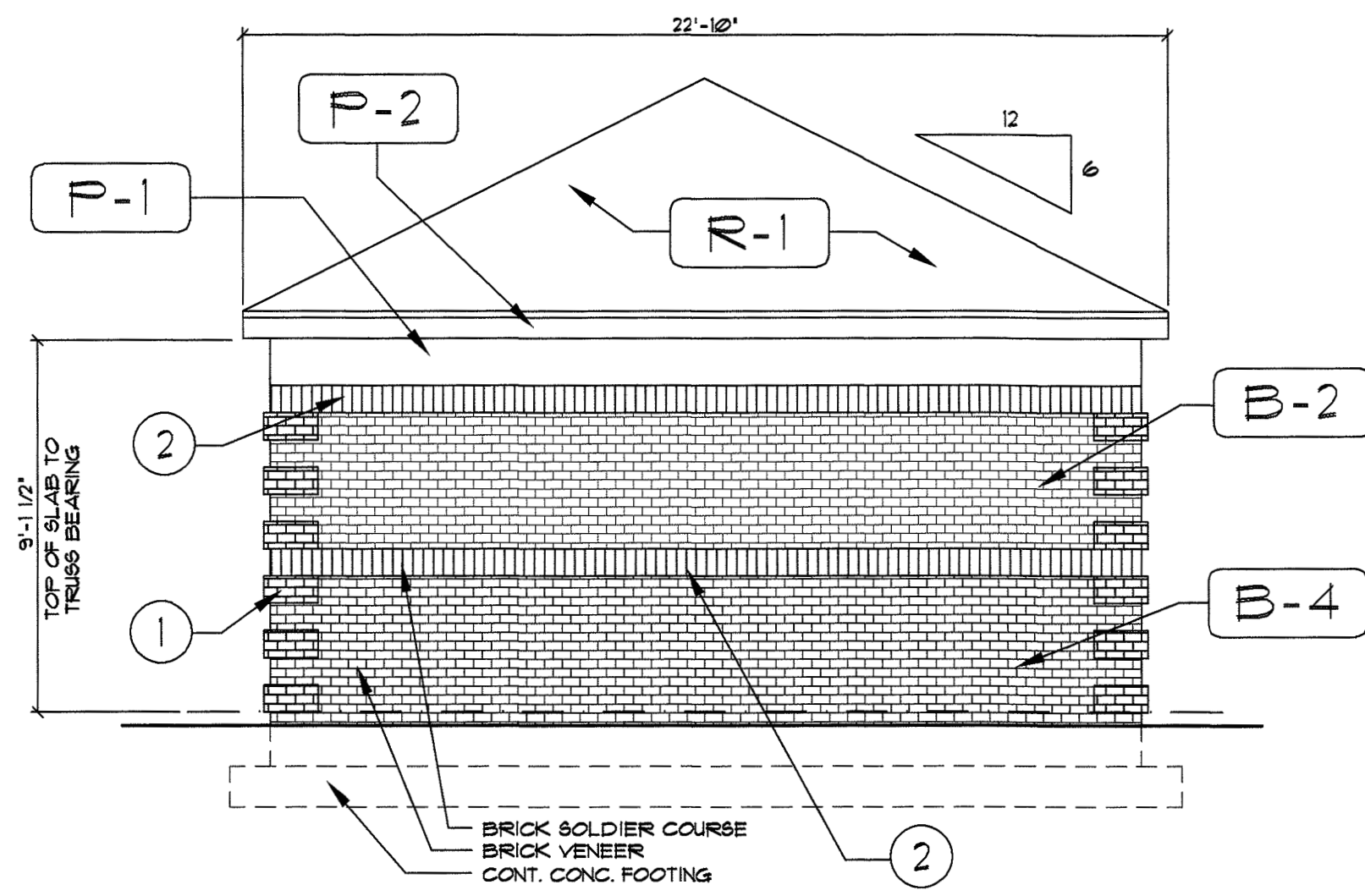
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29



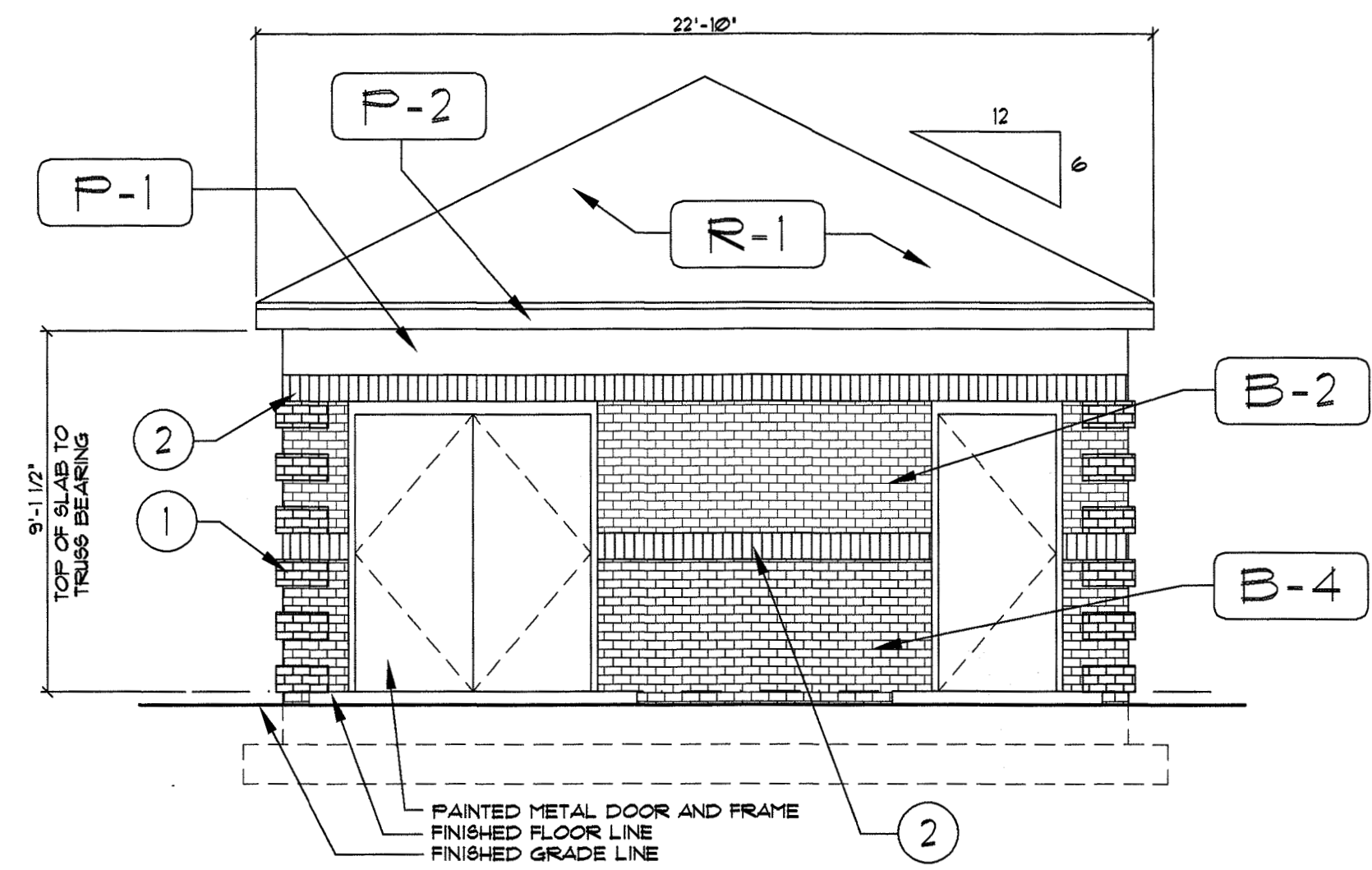
3001 ELEVATION
SCALE: 1/4" = 1'-0"
NORTH ELEVATION



3004 ELEVATION
SCALE: 1/4" = 1'-0"
SOUTH ELEVATION



3002 ELEVATION
SCALE: 1/4" = 1'-0"
EAST ELEVATION



3003 ELEVATION
SCALE: 1/4" = 1'-0"
WEST ELEVATION

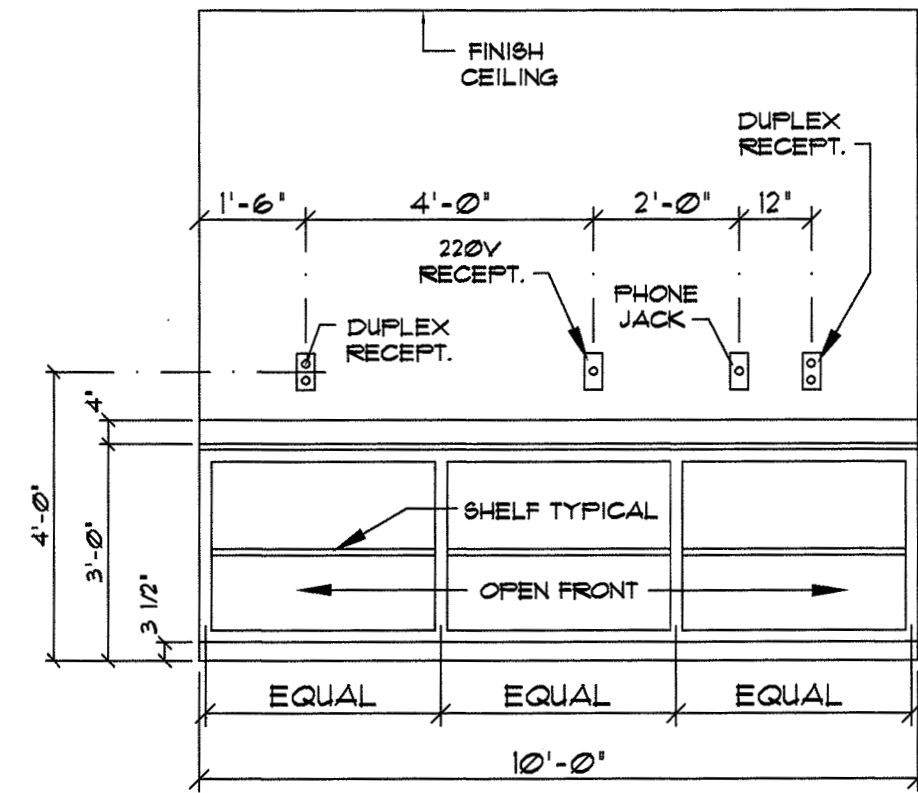
MATERIAL CALCULATIONS	
NORTH ELEVATIONS	SOUTH ELEVATIONS
TOTAL FACADE ELEVATION (8'-1 1/2') - 398 S.F.	TOTAL FACADE ELEVATION (8'-1 1/2') - 398 S.F.
AREA OF GLAZING / DOORS - 44 S.F. (11%)	AREA OF GLAZING / DOORS - 28 S.F. (7%)
AREA OF TYPE I MATERIAL (BRICK) - 303 S.F. (76%)	AREA OF TYPE I MATERIAL (BRICK) - 319 S.F. (80%)
AREA OF CORNICE - 51 S.F. (13%)	AREA OF CORNICE - 51 S.F. (13%)
WEST ELEVATIONS	EAST ELEVATIONS
TOTAL FACADE ELEVATION (8'-1 1/2') - 156 S.F.	TOTAL FACADE ELEVATION (8'-1 1/2') - 156 S.F.
AREA OF GLAZING / DOORS - 65 S.F. (42%)	AREA OF GLAZING / DOORS - 0 S.F. (0%)
AREA OF TYPE I MATERIAL (BRICK) - 106 S.F. (68%)	AREA OF TYPE I MATERIAL (BRICK) - 171 S.F. (81%)
AREA OF CORNICE - 25 S.F. (16%)	AREA OF CORNICE - 25 S.F. (16%)

NOTE: EXTERIOR WALL MOUNTED HVAC GRILLS TO BE AMANA 3005 DARK BRONZE TO MATCH ADJACENT B-4 PALMETTO WALNUT FACE BRICK.

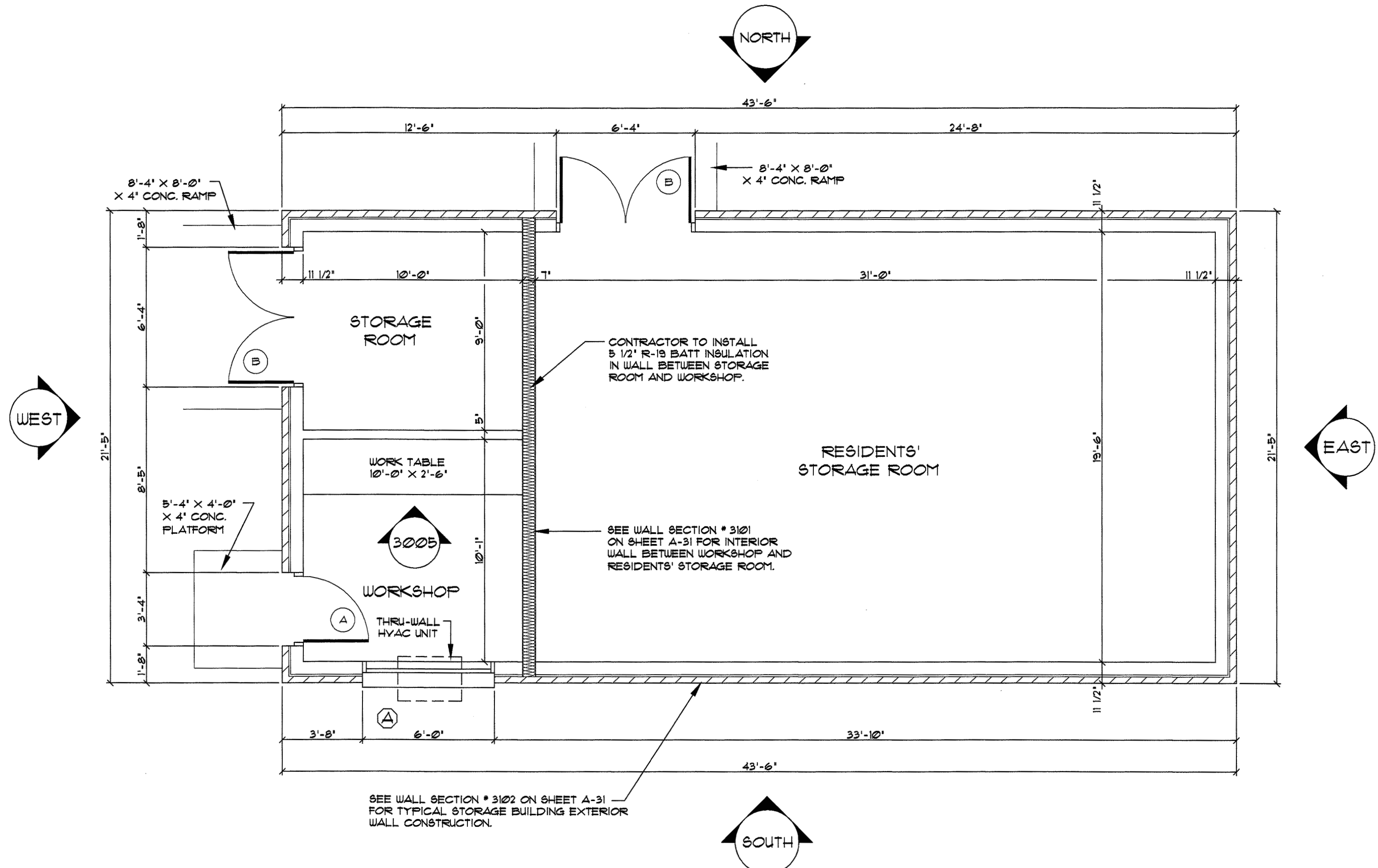
EXTERIOR MATERIALS / COLORS	
MARK	MATERIAL / COLOR
B-2	PALMETTO .75 GREYSTONE FACE BRICK
B-4	PALMETTO WALNUT FACE BRICK
P-1	CEMENTITIOUS CORNICE - SW 2029 CLASSIC WHITE
P-2	CEMENTITIOUS FASCIA - SW 2029 CLASSIC WHITE
R-1	SHINGLES - TIMBERLINE - SLATE BLEND

HUMAN SCALE DESIGN ELEMENT (UDO SECTION B2.G2.e)	
MARK	DESIGN ELEMENT
1	BRICK QUOINS
2	CHANGE IN BRICK PATTERN / BELT COURSE

DOOR AND FRAME SCHEDULE (SEE SHEET A-14 FOR DOOR AND FRAME ELEVATIONS)	
DOOR TYPE 'A':	DOOR MATERIAL: HMU
3'-0" X 7'-0"	DOOR TYPE: 3
	DOOR LABEL: NONE
	FRAME MATERIAL: HUM
	FRAME TYPE: 4
	HARDWARE SET: B/B HINGES
	KEYPAD LEVER HANDLE LOCKSET
	DOOR CLOSURE
	THRESHOLD
	WEATHERSTRIPPING
DOOR TYPE 'B':	DOOR MATERIAL: HUM
6'-0" X 7'-0"	DOOR TYPE: 4
	DOOR LABEL: NONE
	FRAME MATERIAL: HUM
	FRAME TYPE: 4
	HARDWARE SET: B/B HINGES
	KEYPAD LEVER HANDLE LOCKSET
	FLUSH BOLTS
	THRESHOLD
	WEATHERSTRIPPING



3005 ELEVATION
SCALE: 3/8" = 1'-0"
WORKTABLE

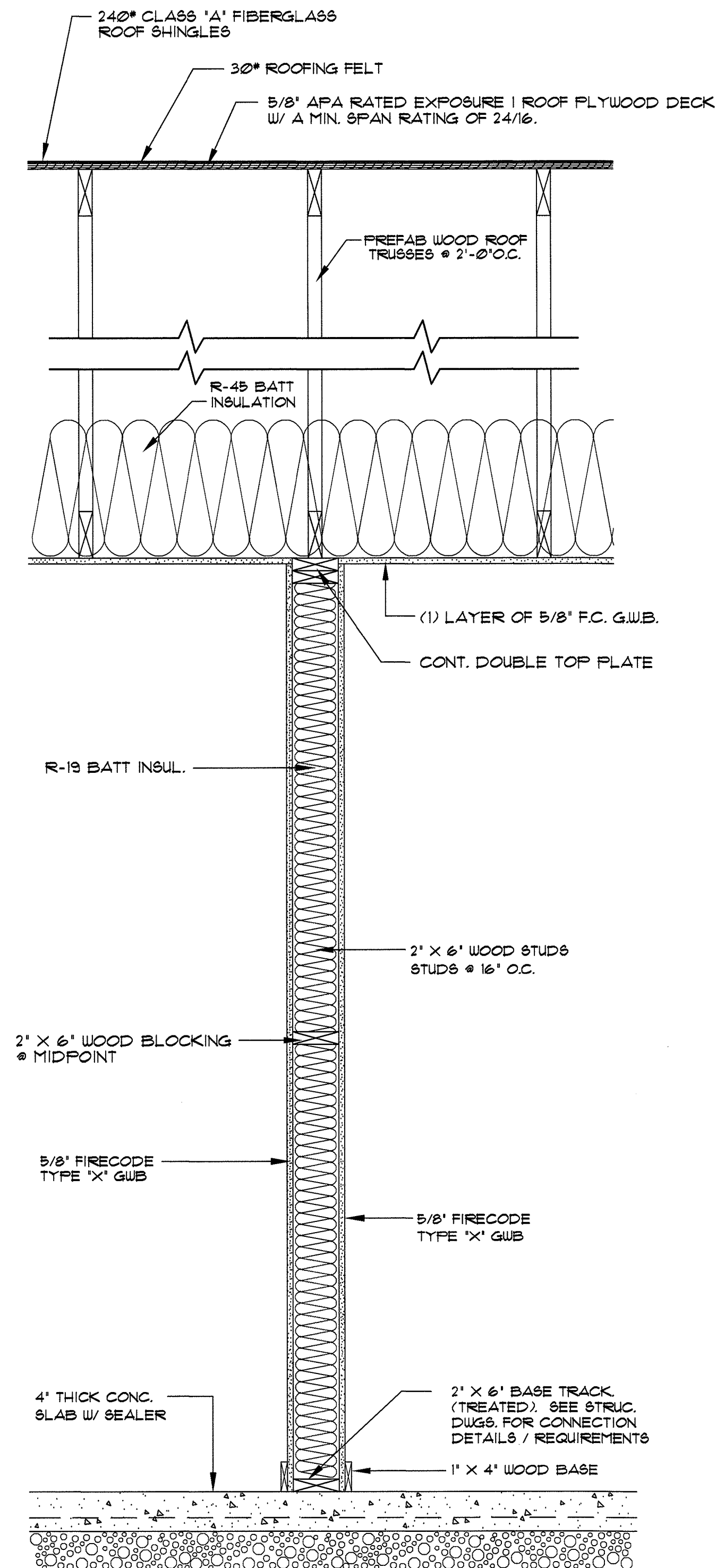


3006 FLOOR PLAN
SCALE: 1/4" = 1'-0"
EXTERIOR STORAGE BUILDING

NOTE: WALL SECTIONS ON THIS SHEET ARE FOR EXTERIOR STORAGE BUILDING ONLY.

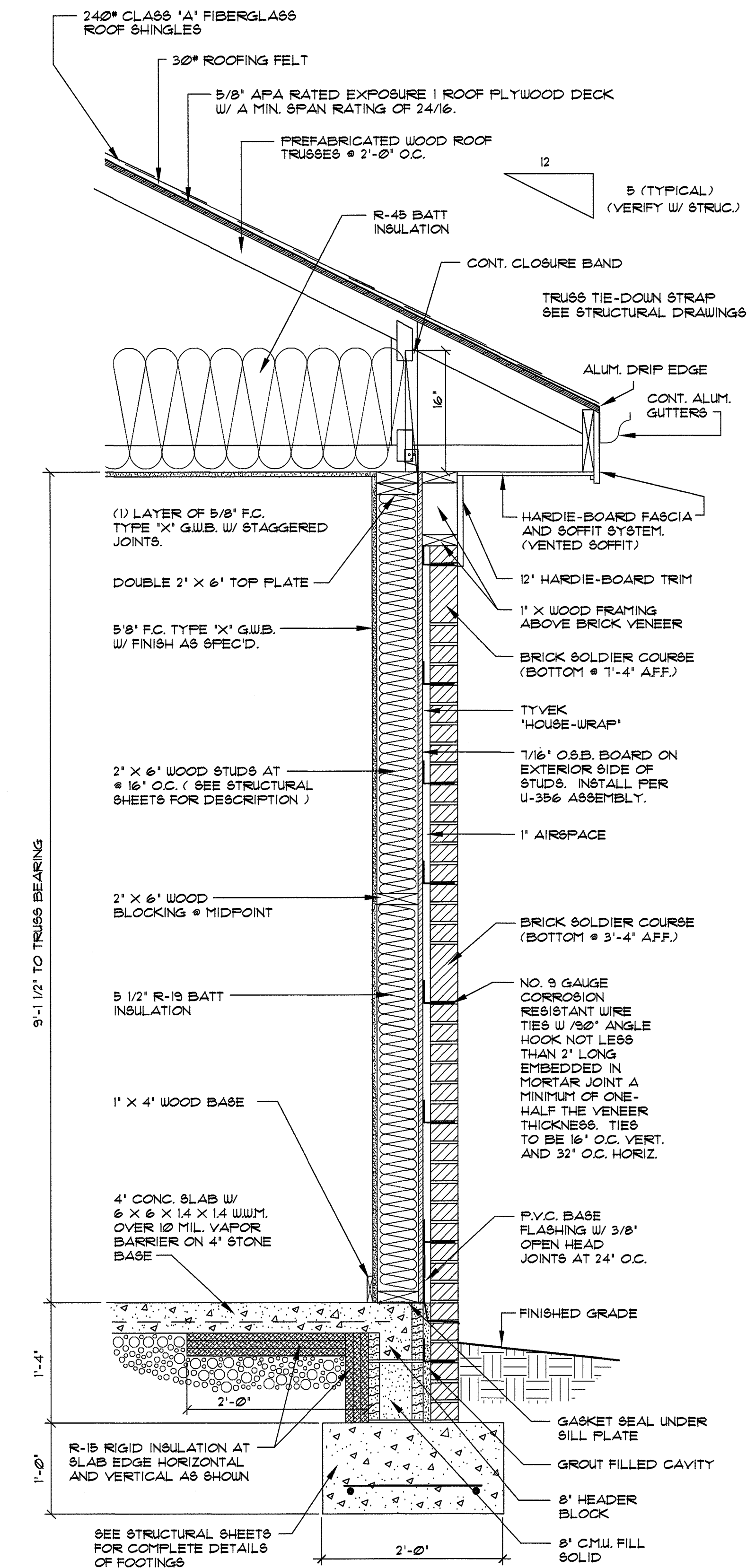
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



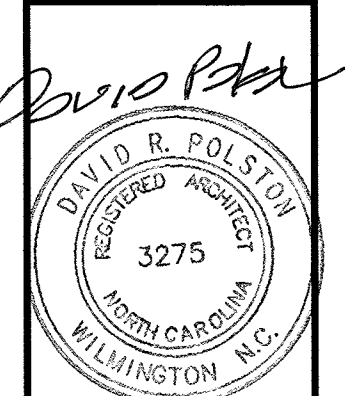
SECTION 3101 INTERIOR WALL SEPARATING RESIDENTS' STORAGE FROM WORKSHOP
SCALE: 1"=1'-0"

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



SEE STRUCTURAL DRAWINGS FOR ALL DIMENSIONS, REBAR REQUIREMENTS FOR FOUNDATION WALL AND CONCRETE FOOTING.

SECTION 3102 STORAGE BUILDING EXTERIOR WALL
SCALE: 1"=1'-0"



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Holly Springs, North Carolina

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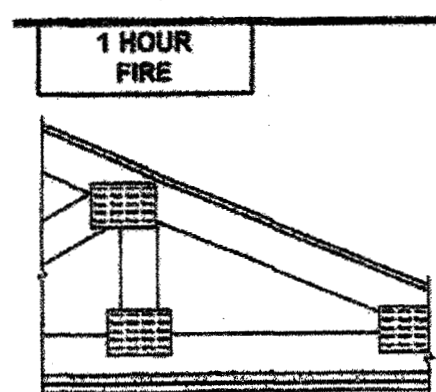
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GA FILE NO. RC 2602

GENERIC

WOOD TRUSSES, GYPSUM WALLBOARD

Base layer 1/2" Type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1 1/2" Type W or S drywall screws 24" o.c. Face layer 1/2" Type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1 1/2" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1 1/2" 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 12" 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: FM RC 172, 2-25-72; ITS, 5-6-80

DETAIL
SCALE: N.T.S.

GYPSUM ASSOCIATION RC-2602

BXUV.U356

Fire Resistance Ratings - ANSI/UL 263

Page Bottom

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. U356

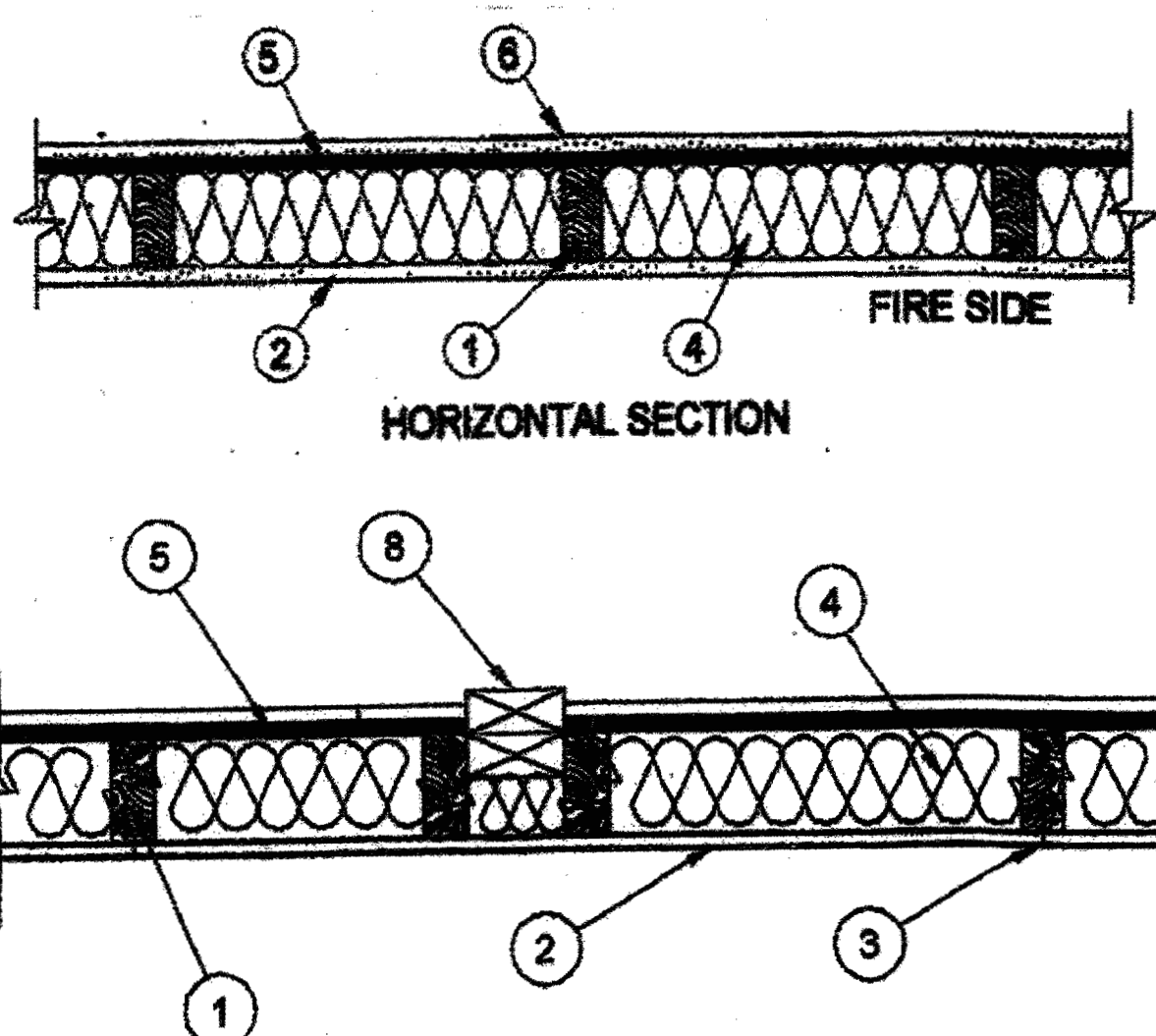
July 25, 2009

(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 E20372



DETAIL
SCALE: N.T.S.

U.L. ASSEMBLY U-356

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 70% 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 (GIB) 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* (GIB) 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 6 in. OC, with last screw 1 in. from edge of board.

CANADIAN GYPSUM COMPANY

UNITED STATES GYPSUM CO

USG MEXICO S A DE CV

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 6 in. OC, with last screw 1 in. from edge of board.

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

CERTAINTED GYPSUM INC - ProRoc Type C or ProRoc Type X

CERTAINTED GYPSUM CANADA INC - ProRoc Type C or ProRoc Type X

PASCO BUILDING PRODUCTS L L C, DBA

PASCO GYPSUM - Type PG-11

TEMPLE-INLAND FOREST PRODUCTS CORP - Types X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soft-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 6 in. OC, with last screw 1 in. and 4 in. from edges of board. Finish Rating is 25 min.

PASCO BUILDING PRODUCTS L L C, DBA

PASCO GYPSUM - Type PG-11

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

3. Joints and Nailheads - (Not Shown) - Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.

4. Betts 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 9 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 Betts and Blankets (BIB) Category in the Building Materials Directory and Betts and Blankets (BIB) Category in the Fire Resistance Directory for names of Classified Companies.

4A. Fiber, Sprayed* - As an alternate to Betts 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/ft³. Alternate application method: The fiber is applied with U.S. Gypsum's L.L.C. Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.0 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/ft³.

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 4.35 lb/ft³.

NU-WOOL CO INC - Cellulose Insulation

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

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

TEMPLE-INLAND FOREST PRODUCTS CORP - Types FiberBee or QuietBee

6. Exterior Finishes - Installed in accordance with the manufacturer's installation instructions. One of the following exterior finishes 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 (MTAT) 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 setting 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 other 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 (MTFX and CCIV) 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 7a) to 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 ROBE CONTROL INC - Type IsoMax.

8. Non-Bearing Wall Partition Intersection - (Optional) Two nominal 2 by 4 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 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 2009-07-28

UL ONLINE CERTIFICATIONS DIRECTORY

BXUV.U902

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

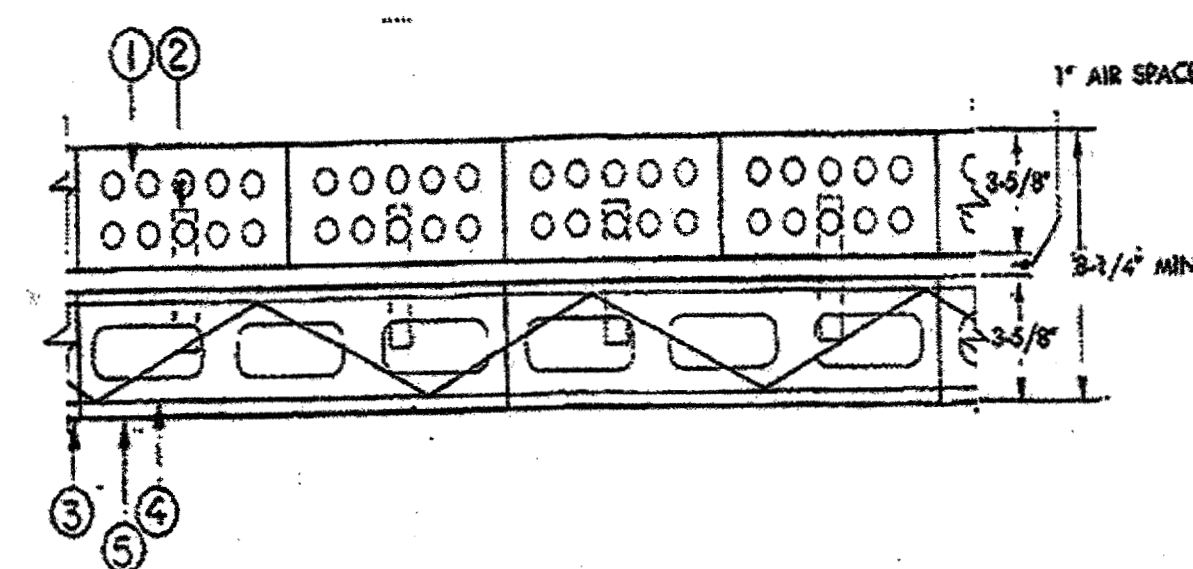
See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U902

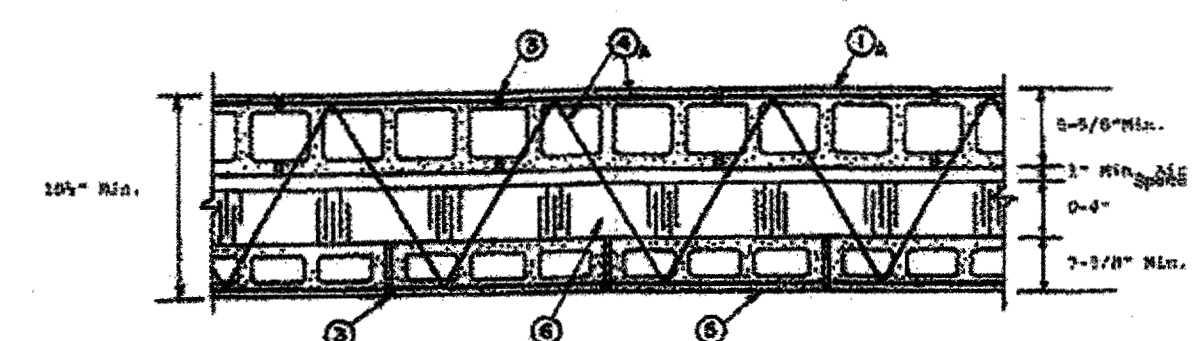
October 30, 2009

Bearing Wall Rating - 4 HR.

Load Restricted for Canadian Applications - See Guide E20372



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 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 - Type Thermax

6B. Foamed Plastic* - (Optional-Not shown with clay face brick detail). Two-component foamed plastic formed from NCFE L1-001, NCFE L1-002, NCFE L1-015, NCFE L1-016 or NCFE L1-017 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.

NCFE POLYURETHANES

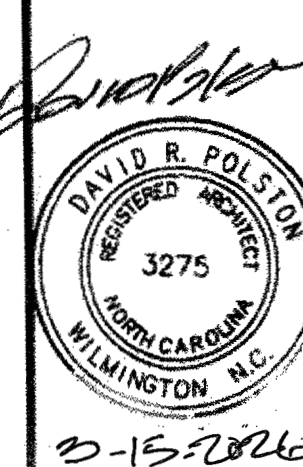
*Bearing the UL Classification Mark

Last Updated on 2009-10-30

DETAIL
SCALE: N.T.S.

U.L. ASSEMBLY U-902

(4-HR FIREWALL ABOVE ROOF DECK - USED AS 2-HR.)



PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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

120 BED
NURSING FACILITY

FS
1

BXUV.U901
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 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

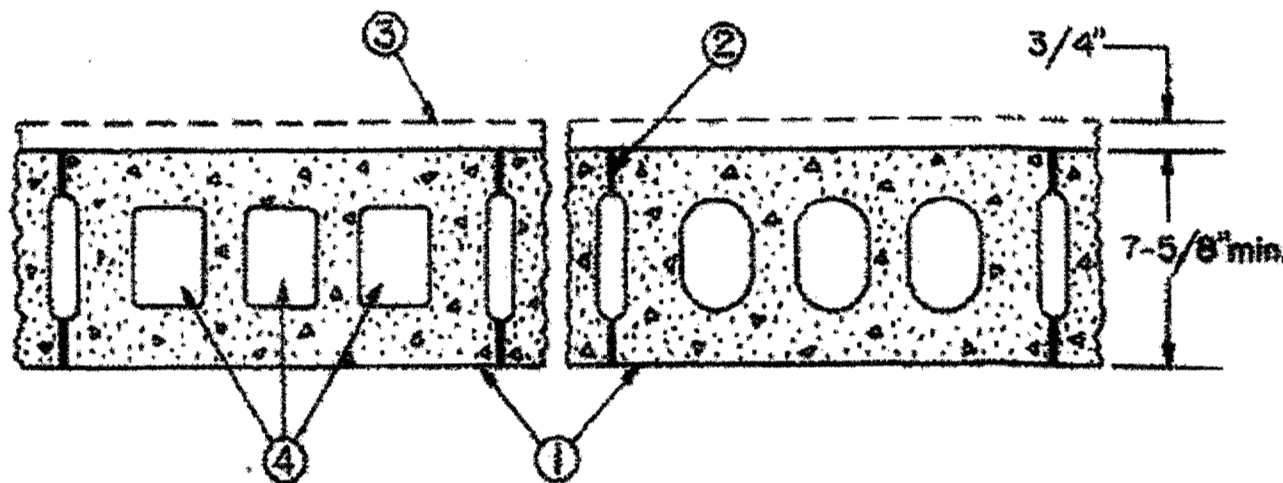
See General Information for Fire Resistance Ratings - ANSI/UL 263

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), vitrified refractory 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

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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 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

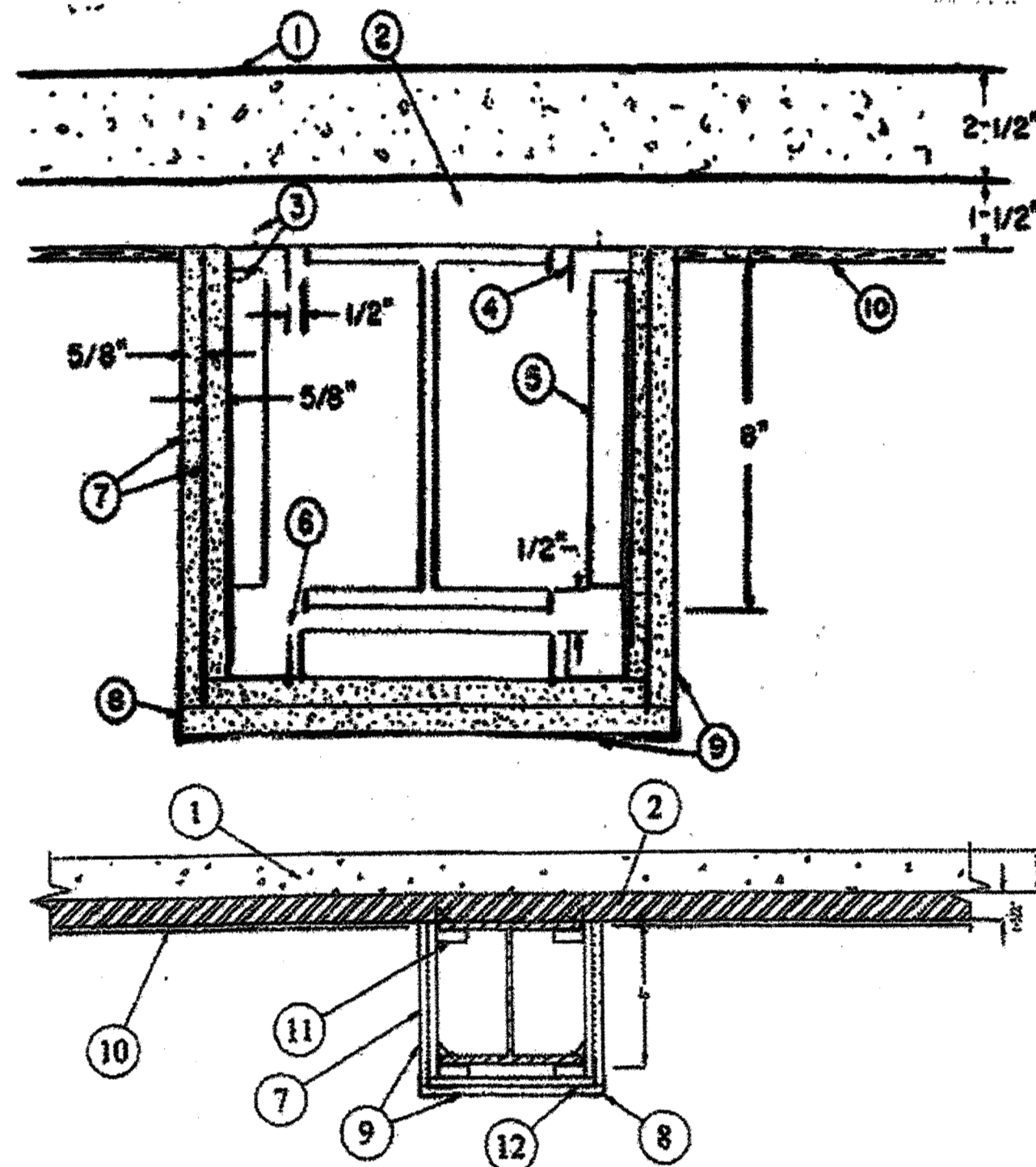
Design No. N502

February 19, 2009

Restrained Beam Rating - 2 Hr.

Unrestrained Beam Rating - 2 Hr.

Load Restriction for Canadian Applications - See Guide BXUVZ



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. 6-16 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 AGW-1, AG-C, AGW-11.

CERTAINTED GYPSUM INC - Types 1, PRPC, SF3, EGRG, ProRoc Type C, ProRoc Type X.

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

BEIDING 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, DAPG, DG, DS, GPFS1, GPFS9.

LA FARGE NORTH AMERICA INC - Types LGFC3, LGFC6, 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 BX-1

TENPLE-ENLAND 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. Item 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 coating 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. 25 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 C8Clip.

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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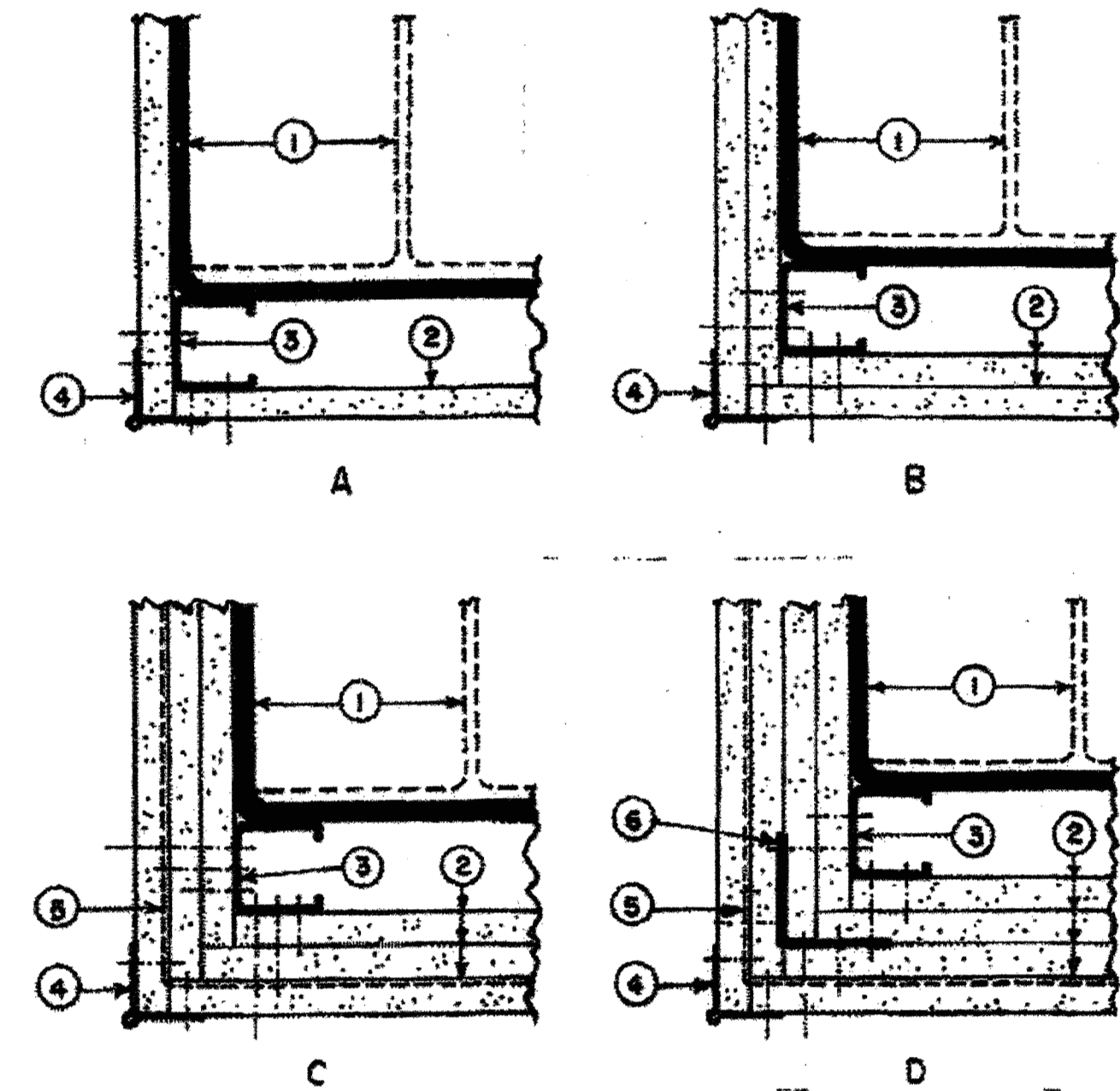
Fire Resistance Ratings - ANSI/UL 263

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

Design No. X528

July 10, 2008

Rating - 1, 2 and 3 Hr.



CORNER DETAILS OF WALLBOARD SUPPORT SYSTEMS WITHOUT STEEL COVERS

1. Steel Column - Min size 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 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 are 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						
by 0.188	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 (CHGX) 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 C8, C8Clip.

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 (2B C8) to be No. 6 by 1 in. (or 1-1/4 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 (2B C8) 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. 6 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

System No. W-L-1001

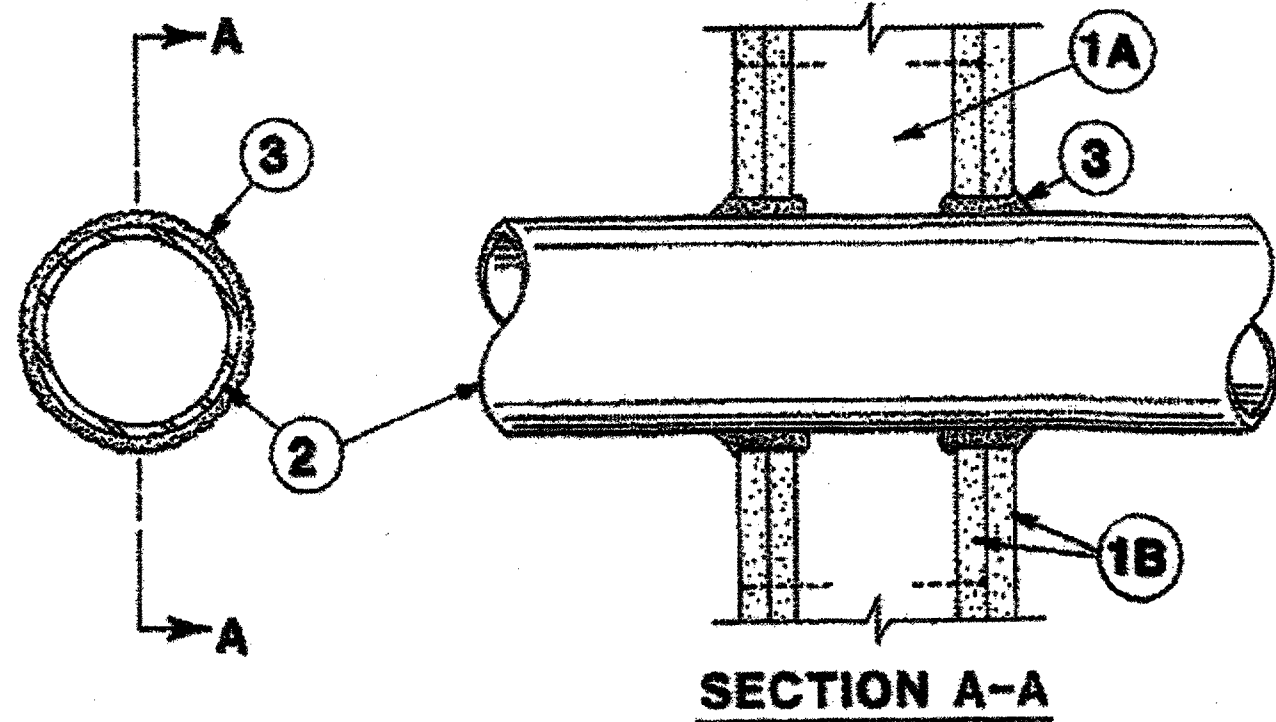
June 15, 2005

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



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, U400 or U400 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 (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

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

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

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

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

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

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

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

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

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

OMEGA FLEX INC

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

GASTITE, DIV OF TITEXFLK

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

WARD MFG L L C

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

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 hr.

3M COMPANY — CP 25WB+ or FB-3000 WT

*Bearing the UL Classification Mark

System No. W-L-5001

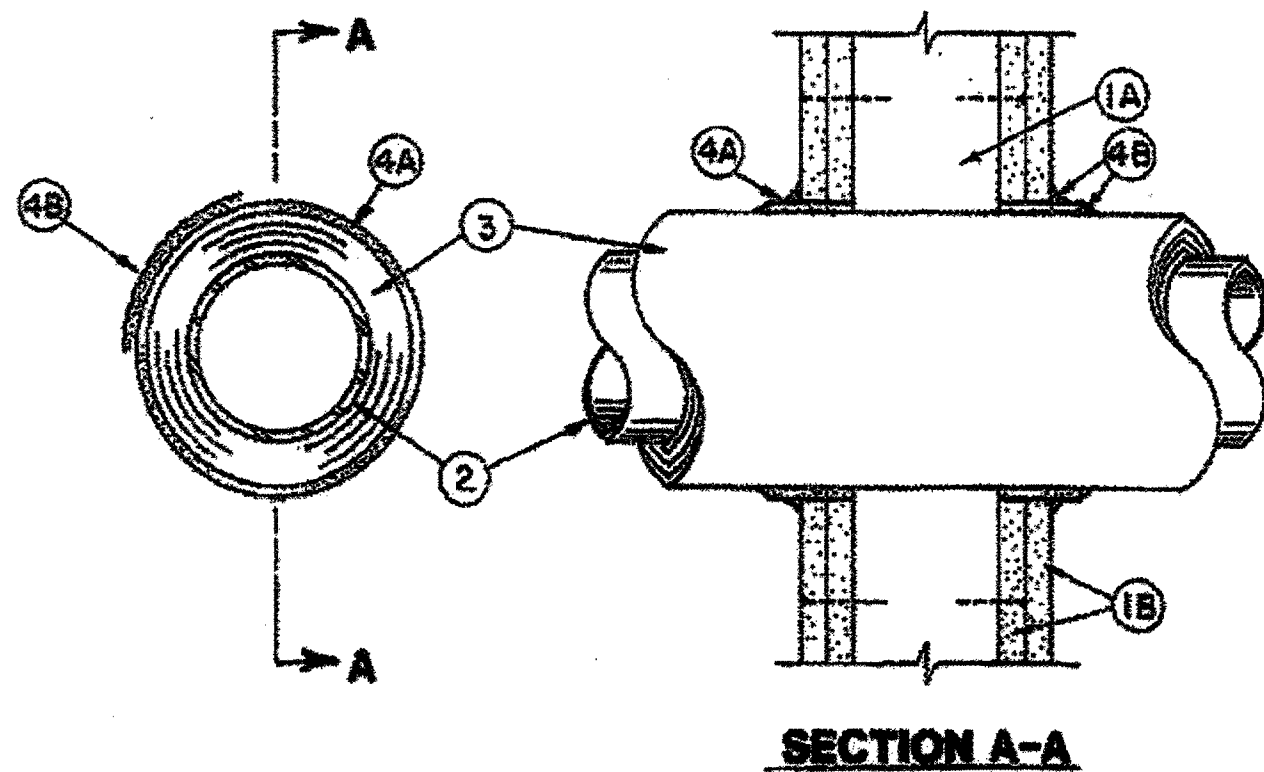
May 19, 2005

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



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 U300 or U400 Series 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 Penetrant — 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/m³) 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 F Rating of the firestop system is 1 hr and 1-1/2 hr when nom 2 in. (51 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 Material* — 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 Material* — 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

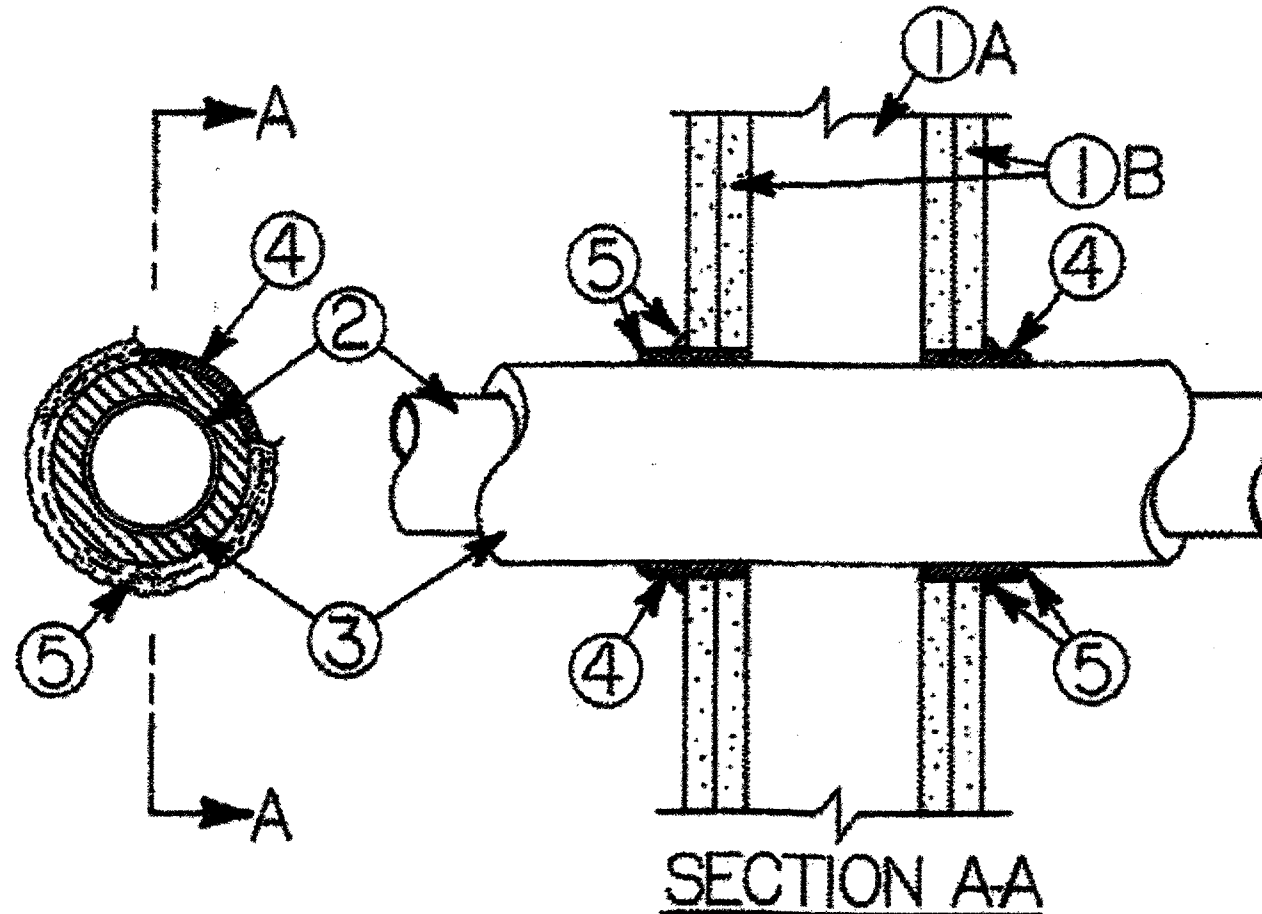
May 19, 2005

F Rating — 2 Hr

T Rating — 1-1/2 Hr

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

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



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 (QMF22) 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 5a-5VA may be used.

4. Fill, Void or Cavity Material* — 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 Material* — 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

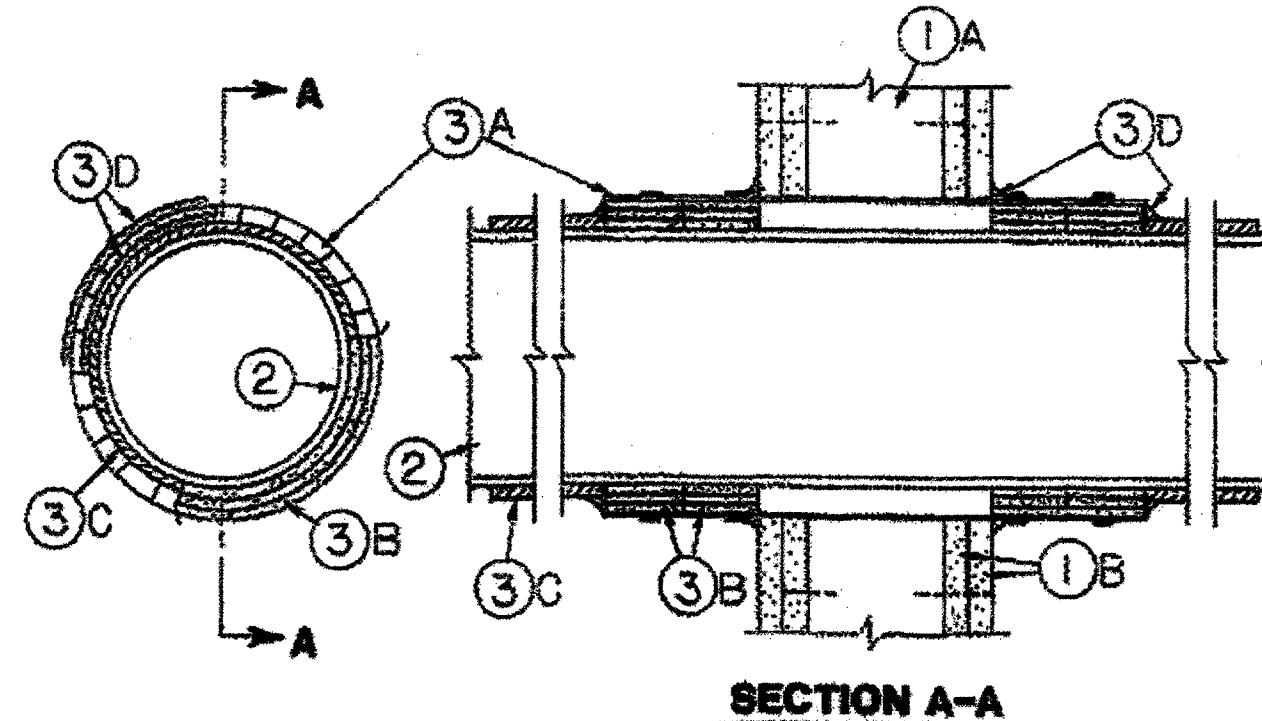
April 11, 2006

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



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 or vent) piping systems. One pipe to be centered in the firestop system. Pipe to be installed near center of stud cavity width and to be rigidly supported on both sides of wall.

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

Nom Pipe Diam In.	Annular Space In.	Wall Fire Rating Hr	F Rating Hr	T Rating Hr
6 (152)	3/4 (19)	1	1	1
6 (152)	3/4 (19)	2	2	2
8 (203)	1 (25)	1	1	3/4
8 (203)	1 (25)	2	2	1-1/2
10 (254)	1-1/2 (38)	1	1	3/4
10 (254)	1-1/2 (38)	2	2	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 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 0.020 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 strip 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 Material* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide by 24 in. (610 mm) long strips. Two stacks of wrap strip (nom 4 in. or 102 mm high stack) tightly-wrapped around nonmetallic pipe on each side of wall and slid into steel sleeve (Item A) such that inner edges are flush with or recessed max 1/4 in. (6 mm) into surface of wall. For nom 6 in. (152 mm) diam pipes, three layers of wrap strip are required in each stack. For nom 8 in. (203 mm) diam pipes, four layers of wrap strip are required in each stack. For nom 10 in. (254 mm) diam pipes, six layers of wrap strip are required in each stack. Each layer of wrap strip to be installed with butted seams, with the butted seams in successive layers staggered. Wrap strips temporarily held in position using aluminum foil tape, filament tape, steel wire tie, or equivalent.

3M COMPANY — Type FS-195+

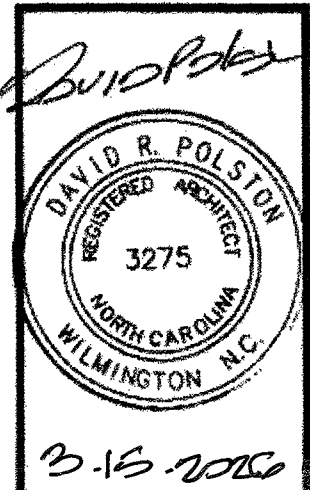
C. Pipe Covering* — Nom 1 in. (25 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all service jacket. Min 6 in. (152 mm) length of pipe covering installed around PVC pipe at its egress from the wrap strip layers (Item B) on both sides 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 Material* — Caulk or Sealant — Generous bead of caulk to be applied to outer perimeter of steel sleeve at interface with wall surface 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



PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

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120 BED
NURSING FACILITY

FS
4

System No. W-L-2003

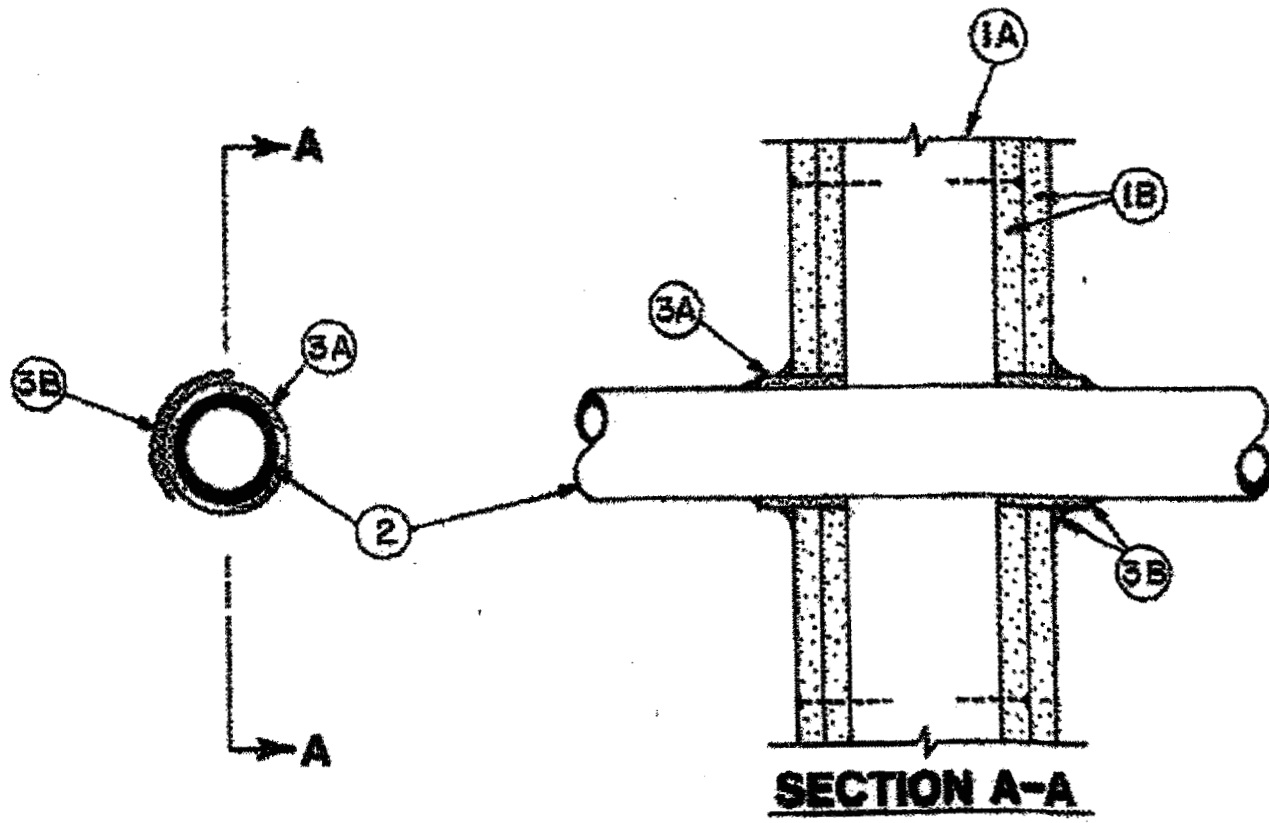
May 23, 2005

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)



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 U400 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 and plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or U400 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 systems.

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 systems.

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, translucent 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 bottom. 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-155+

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) bead of caulk or putty to be applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layers approx 3/4 in. (19 mm) from the wall surface.

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

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

*Bearing the UL Classification Mark

System No. W-L-3001

September 07, 2004

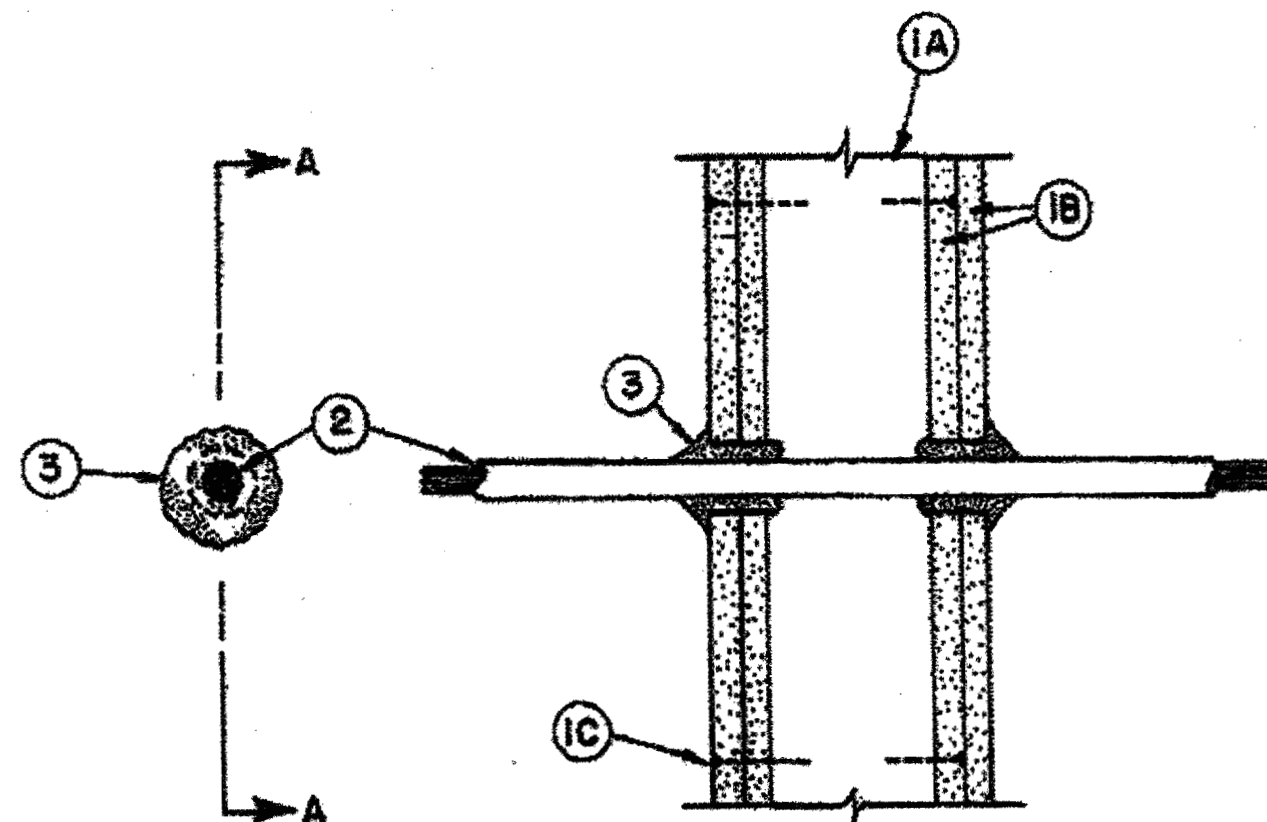
(Formerly System No. 149)

F Ratings — 1 and 2 Hr (See Item 1)

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

L Rating At Ambient — 16 CFM/sq ft (See Item 3)

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



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 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. OC with nom 2 by 4 in. (51 by 102 mm) lumber and plates and cross braces. Steel studs to be min 3-5/8 in. 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

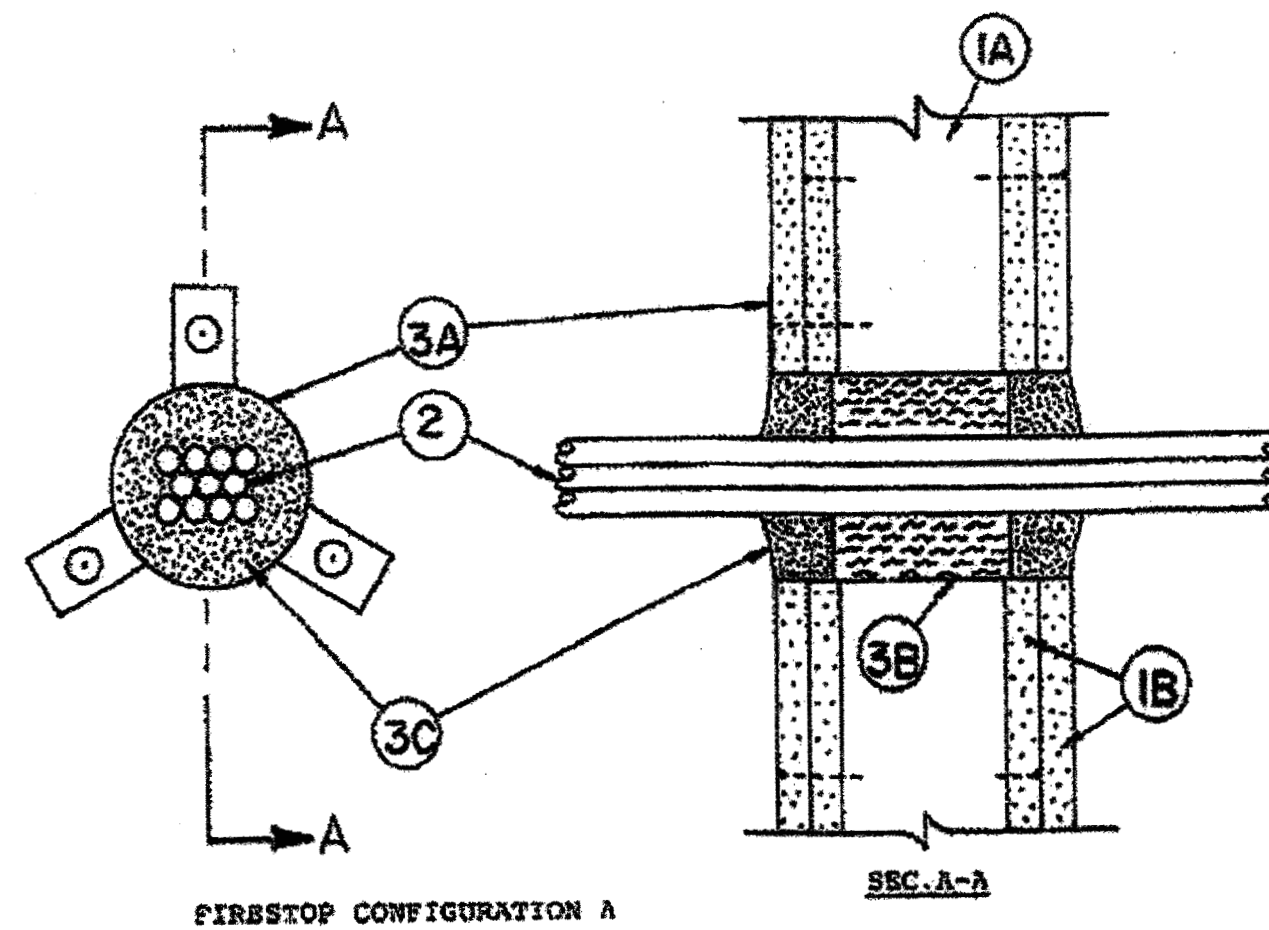
System No. W-L-3005

June 23, 2000

(Formerly System No. 235)

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1/2 Hr



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 U200 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. (51 by 102 mm) 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 U200 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 & GRACE & CO — CONN — FS900, FS901, FS903, FS903CG, FS905, FS905CG, FS929, FS901, FS903 or FS905 Sealant or FSP 1500 Putty

System No. W-J-1010

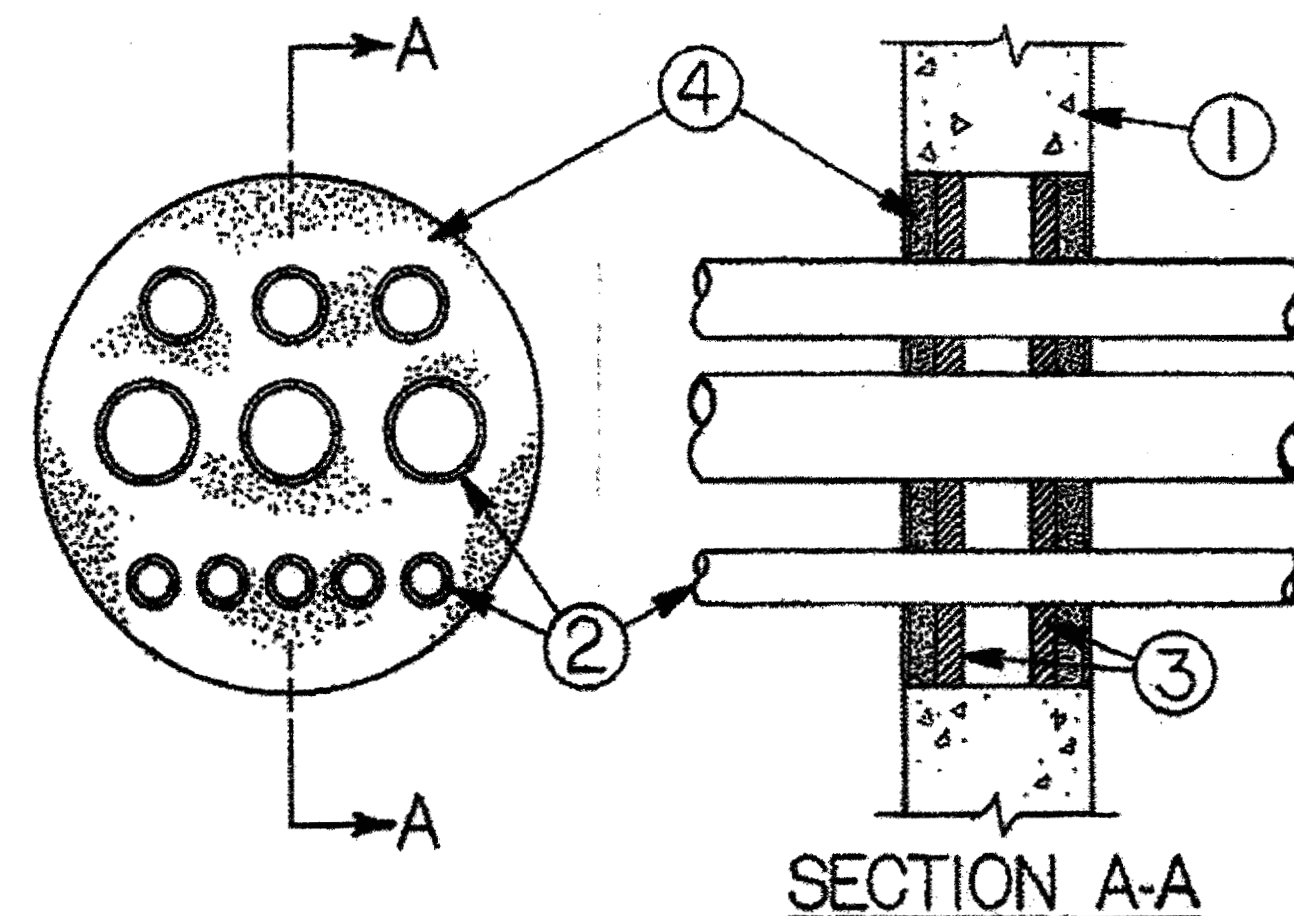
June 15, 2005

F Rating — 3 Hr

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

L Rating At Ambient — 2 CFM/sq ft

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



1. **Wall Assembly** — Min 6 in. (152 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Block*. 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
4 (102)	1-1/2
6 (152)	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

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DETAIL
SCALE: N.T.S.

PENETRATION FIRESTOP FOR 2" MAX. DIAMETER P.B., P.P., F.V.C. PLASTIC PIPE / CONDUIT THROUGH G.W.B. ASSEMBLY

13

DETAIL
SCALE: N.T.S.

PENETRATION FIRESTOP FOR INSULATED CABLE THROUGH G.W.B. ASSEMBLY

14

DETAIL
SCALE: N.T.S.

PENETRATION FIRESTOP FOR 6" MAX. DIAMETER INSULATED CABLE THROUGH G.W.B. ASSEMBLY

15

DETAIL
SCALE: N.T.S.

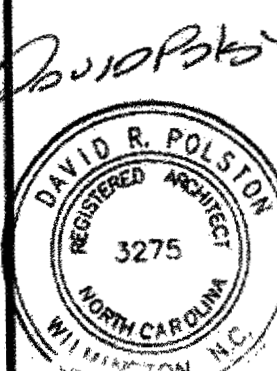
PENETRATION FIRESTOP FOR 3" MAX. DIAMETER STEEL PIPE OR CONDUIT THROUGH 4-HOUR RATED ASSEMBLY

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

120 BED
NURSING FACILITY

FS
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PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina



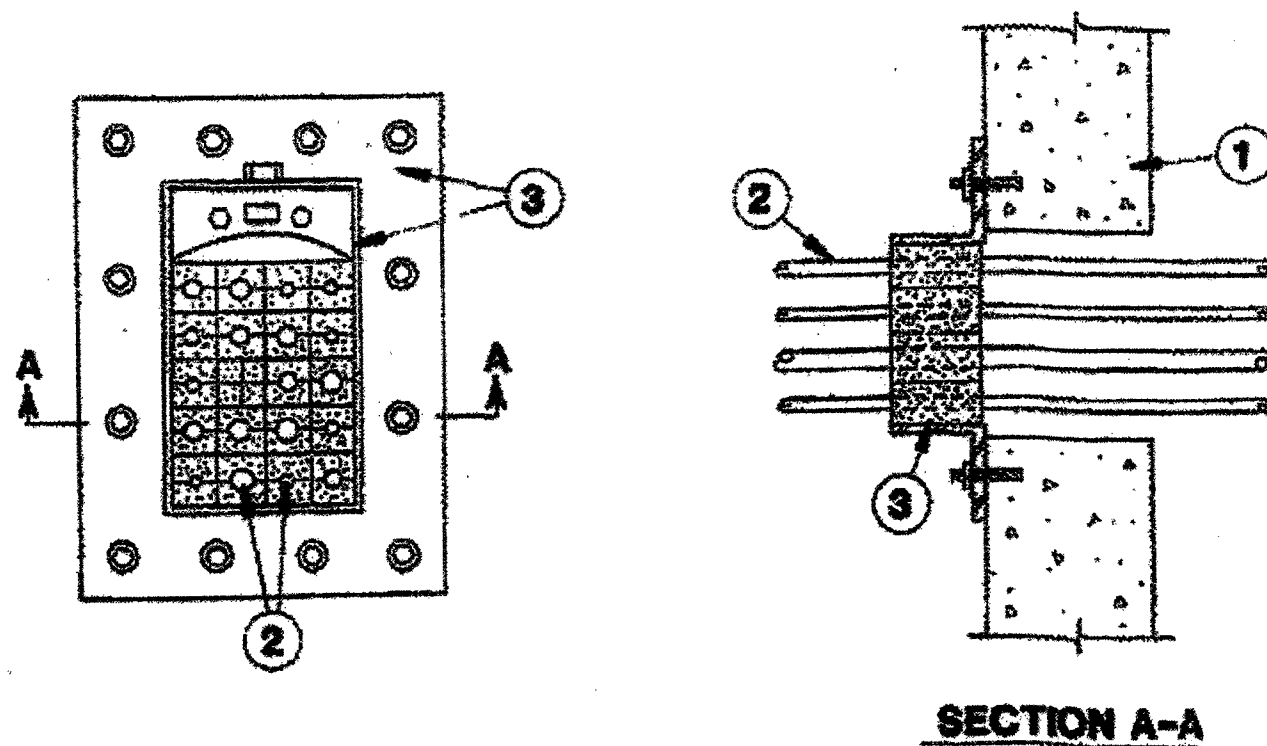
System No. W-3-1016

December 05, 1996

(Formerly System No. 497)

F Rating - 3 Hr

T Rating - 0 Hr



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, dry plebs 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. O.C. 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 frame 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:

Thick- ness 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

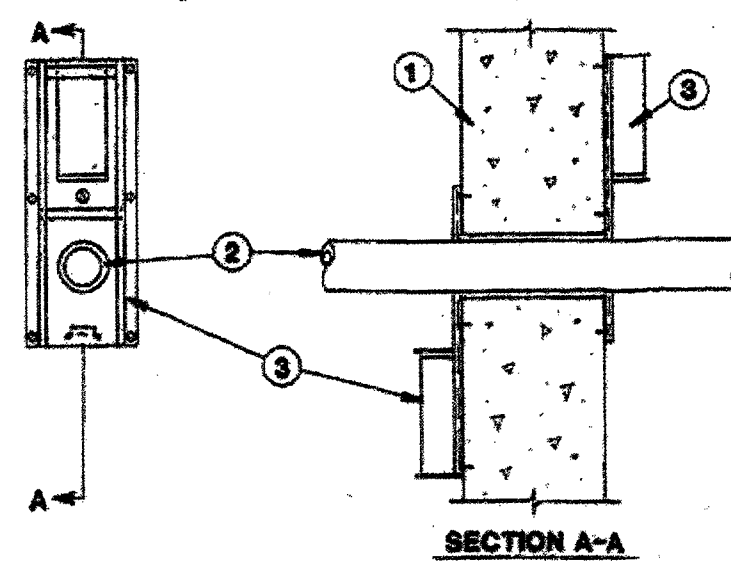
RGB NELSON FIRESTOP - Types RGB-2, RGB-4, RGB-4x2, RGB-6

System No. WJ2009

(Formerly System No. 527)

F Ratings - 1, 2 and 3 Hr (See Item 3)

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



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.

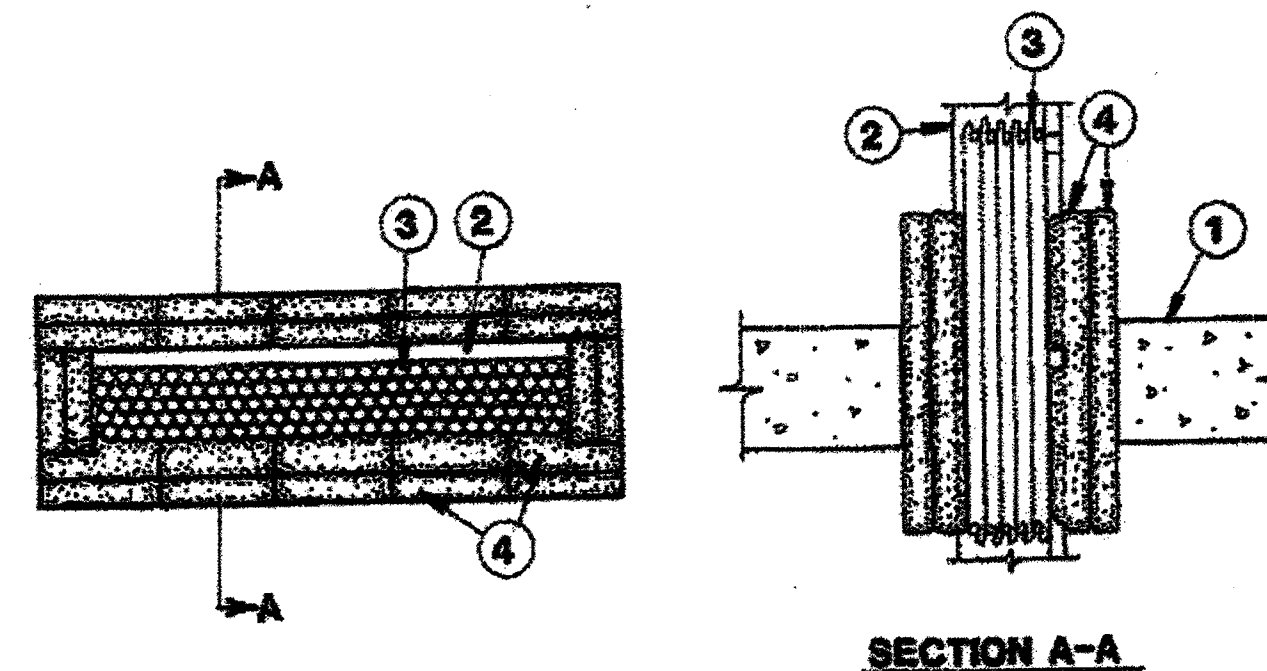
*Bearing the UL Classification Marking

System No. W-J-4005

January 08, 1993

F Rating - 3 Hr

T Rating - 0 Hr



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 16 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. O.C. 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.

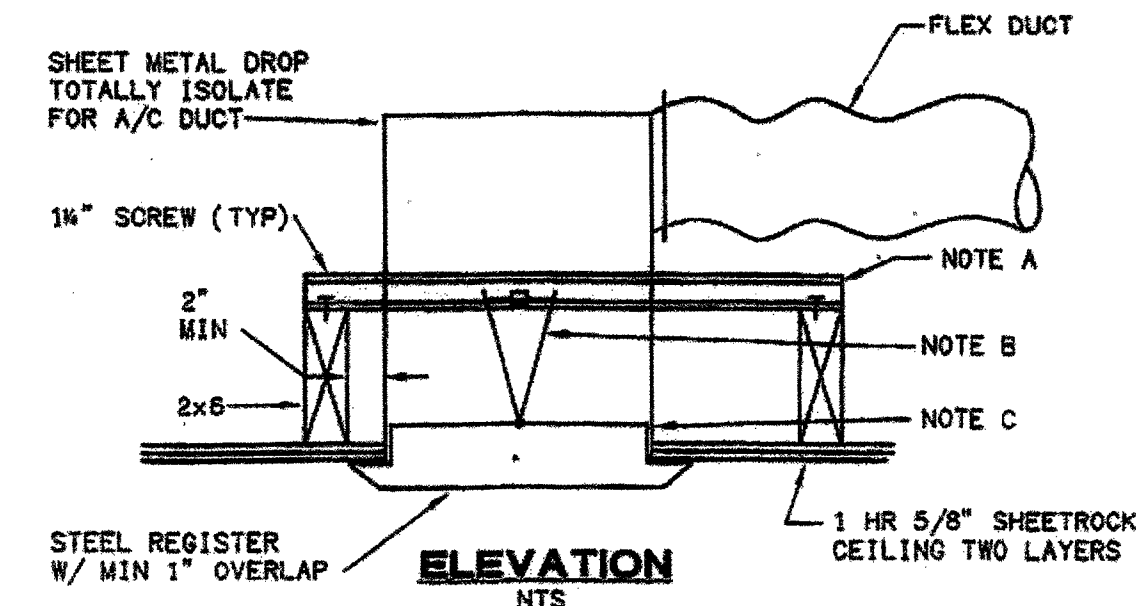
B. Max 7/C No. 12 AWG copper conductor control cables with polyvinyl chloride (PVC) insulation and jacket materials.

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

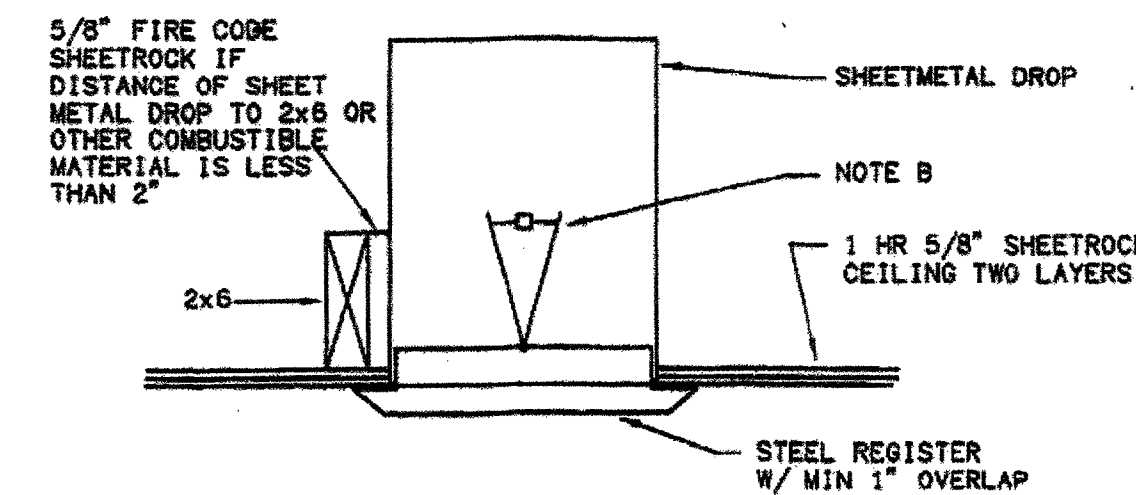
4. Fill, Void or Cavity Materials* - Cushions - Nominal 13 in. long by 4-1/2 or 7-1/2 in. wide by 1 in. thick fabric covered innumerable cushions. Cushions installed flat with nominal 13 in. length of each cushion passing through the wall opening with its ends projecting equally beyond the wall surface 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.

TRENCO INC - TREMstop-PS

*Bearing the UL Classification Mark



NOTES:
A. SUPPORT EACH SIDE WITH 16 GA. x 1 1/2 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 MFR'S INSTRUCTIONS FULLY INSTALLING BOTH RADIATION DAMPER & REGISTER.

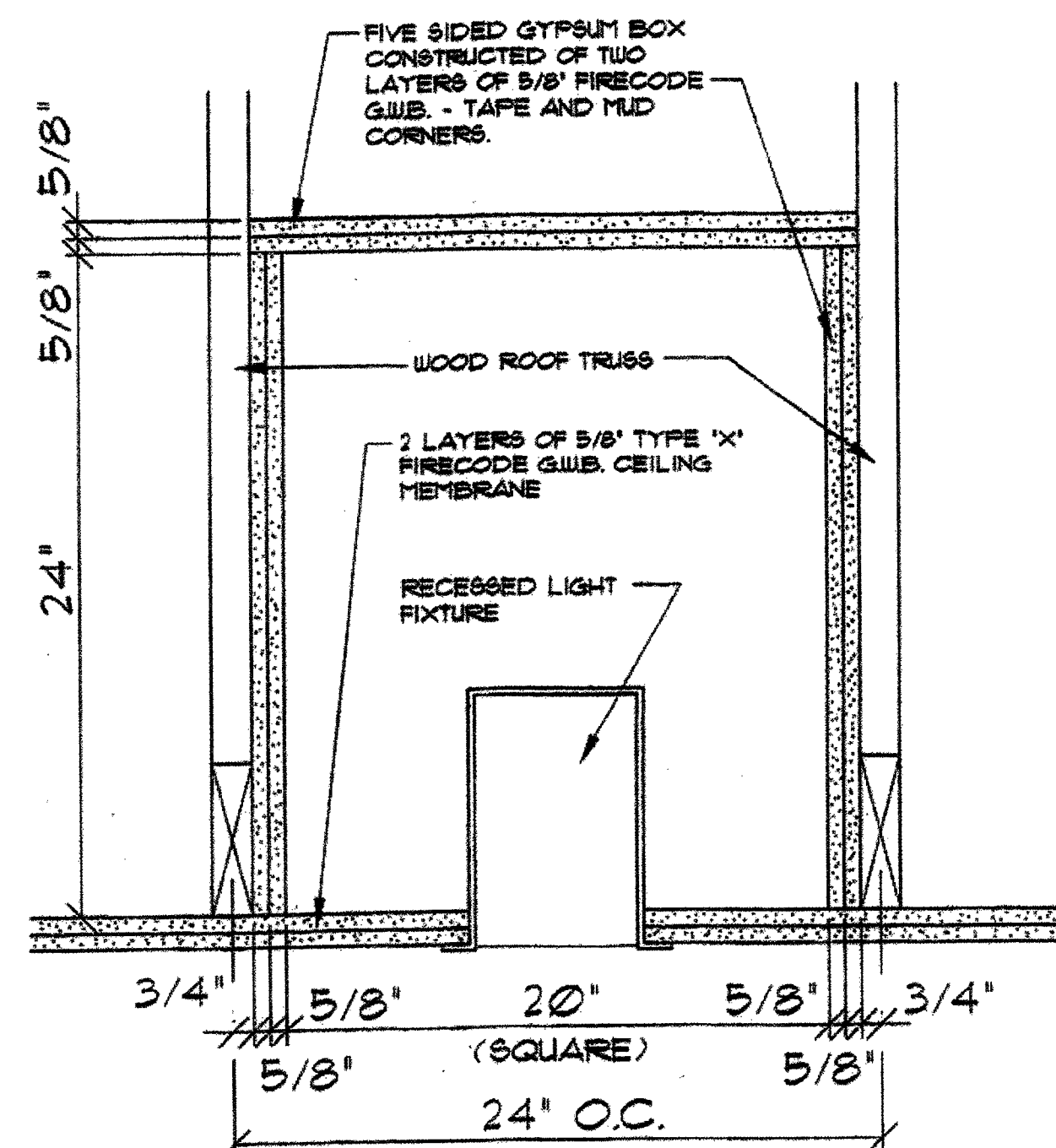


BOX NEXT TO
2x6 JOIST

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

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

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



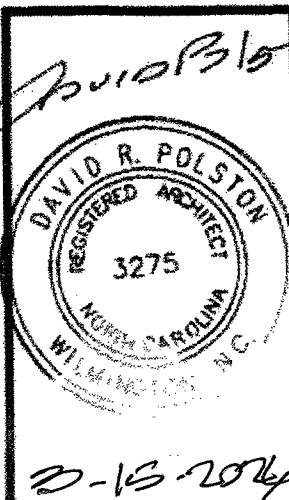
RECESSED LIGHTING CEILING PROTECTION
FIVE SIDED G.W.B. BOX SCALE: 2" = 1'-0"

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

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

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

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



PRINCIPLE HEALTH CARE
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Holly Springs, North Carolina

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