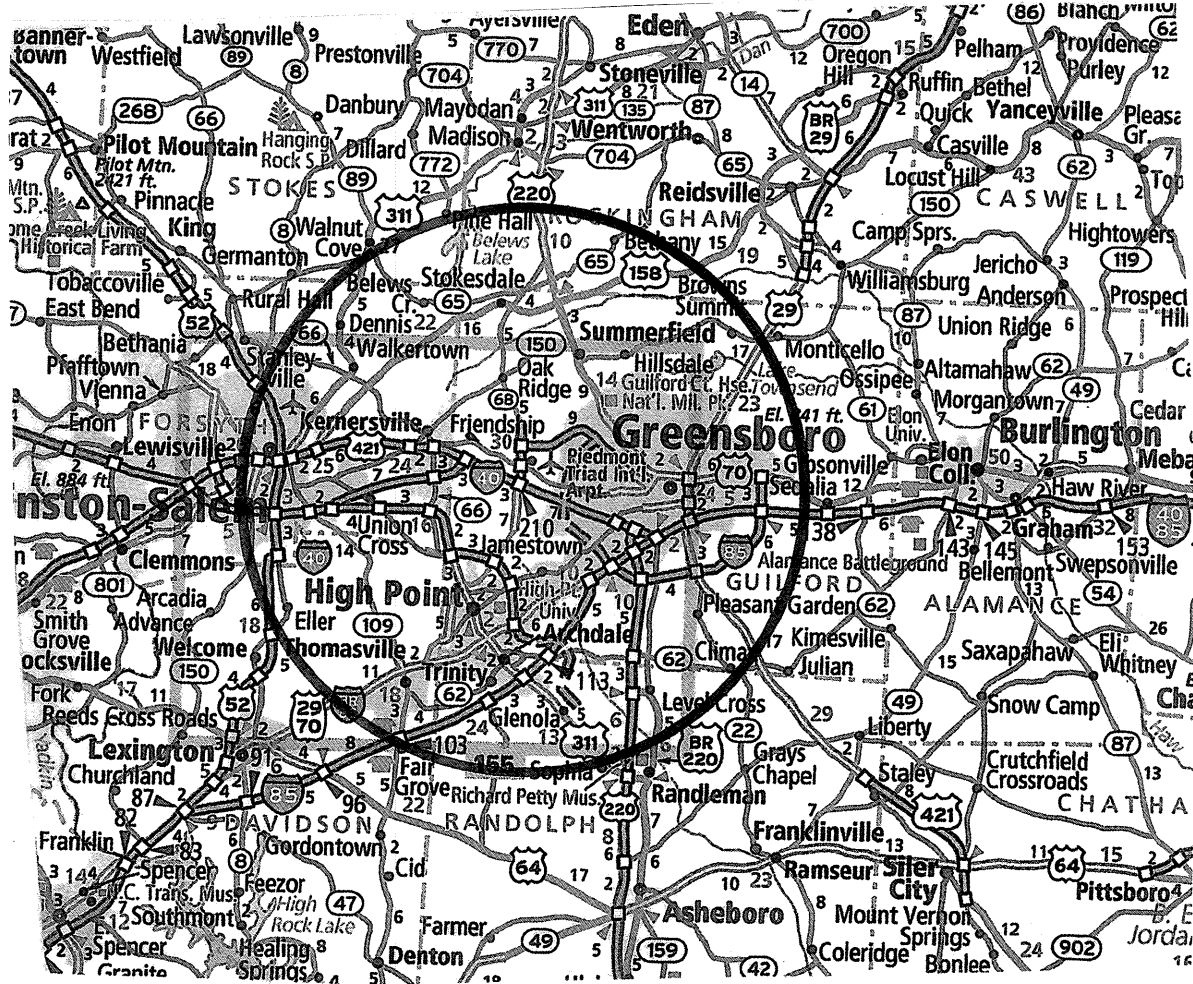




VICINITY MAP

SCHEDULE OF DRAWINGS:

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

CIVIL

- 1 OF 19- CIVIL COVER / DATA SHEET
2 OF 19- ABBREVIATIONS AND LEGEND
3 OF 19- SITE PLAN
4 OF 19- UTILITY PLAN
5 OF 19- LANDSCAPE PLAN
6 OF 19- GRADING PLAN
7 OF 19- DETAILED GRADING INSETS
8 OF 19- DRAINAGE PLAN
9 OF 19- DRAINAGE DETAILS AND CHARTS
10 OF 19- EROSION CONTROL STAGE 1
11 OF 19- EROSION CONTROL STAGE 2
12 OF 19- LIFT STATION DETAILS
13 OF 19- EFFLUENT PRE-TREATMENT SYSTEM DETAIL
14 OF 19- DETAILS (EC1)
15 OF 19- DETAILS (EC2)
16 OF 19- DETAILS (WATER)
17 OF 19- DETAILS (SEWER)
18 OF 19- DETAILS (ROAD)
19 OF 19- DETAILS (STORM)

SANITARY SEWER OUTFALL

- 1 OF 12- COVER SHEET
2 OF 12- CITY OF GREENSBORO COVER SHEET
3 OF 12- ABBREVIATIONS AND LEGEND
4 OF 12- OVERALL OUTFALL SITE PLAN
5 OF 12- UTILITY PLAN AND PROFILE STA 0+00 - 3+00
6 OF 12- UTILITY PLAN AND PROFILE STA 3+00 - 13+75.00
7 OF 12- UTILITY PLAN AND PROFILE STA 13+75.00 - 23+26.82
8 OF 12- UTILITY PLAN AND PROFILE STA 23+26.82 - 33+19.10
9 OF 12- UTILITY PLAN AND PROFILE STA 33+19.10 - 45+16.48
10 OF 12- UTILITY PLAN AND PROFILE STA 0+00-3+42.21
11 OF 12- UTILITY PLAN AND PROFILE STA 3+42.21 - 15+32.78
12 OF 12- DETAILS

STRUCTURAL

- S 1.1- PARTIAL FOUNDATION PLAN
S 1.2- PARTIAL FOUNDATION PLAN
S 1.3- PARTIAL FOUNDATION PLAN
S 1.4- PARTIAL FOUNDATION PLAN
S 1.5- PARTIAL FOUNDATION PLAN
S 1.6- PARTIAL FOUNDATION PLAN
S 1.7- PARTIAL FOUNDATION PLAN
S 1.8- PARTIAL FOUNDATION PLAN
S 1.9- PARTIAL FOUNDATION PLAN
S 2.1- PARTIAL FRAMING PLAN
S 2.2- PARTIAL FRAMING PLAN
S 2.3- PARTIAL FRAMING PLAN
S 2.4- PARTIAL FRAMING PLAN
S 2.5- PARTIAL FRAMING PLAN
S 2.6- PARTIAL FRAMING PLAN
S 2.7- PARTIAL FRAMING PLAN
S 2.8- PARTIAL FRAMING PLAN
S 2.9- 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

- LS 1- LIFE SAFETY - GENERAL LIFE SAFETY REQUIREMENTS
LS 2- LIFE SAFETY - OCCUPANCY CLASSIFICATIONS AND EGRESS LOADS
A 1- 1" = 20'-0" SCALE COMPOSITE PLAN
A 1.1- ROOF PLAN
A 2- PARTIAL FLOOR PLAN
A 3- PARTIAL FLOOR PLAN
A 4- PARTIAL FLOOR PLAN
A 5- PARTIAL FLOOR PLAN
A 6- 1/4" SCALE BEDROOM PLANS
A 7- 1/4" SCALE NURSES' STATIONS / RECEPTION AREA
A 8- 1/4" SCALE DIALYSIS SUITE AND STAFF SUPPORT
A 9- 1/4" SCALE KITCHEN AND LAUNDRY AREAS
A 10- INTERIOR ELEVATIONS
A 11- INTERIOR ELEVATIONS
A 12- INTERIOR ELEVATIONS
A 13- INTERIOR ELEVATIONS
A 14- INTERIOR ELEVATIONS
A 15- NURSES' STATION COUNTER PLANS AND INTERIOR ELEVATIONS
A 16- INTERIOR DETAILS
A 17- INTERIOR DETAILS
A 18- DOOR AND FRAME SCHEDULE
A 19- DOOR AND FRAME SCHEDULE
A 20- EXTERIOR ELEVATIONS
A 21- EXTERIOR ELEVATIONS
A 22- EXTERIOR ELEVATIONS
A 23- EXTERIOR ELEVATIONS
A 24- EXTERIOR ELEVATIONS
A 25- EXTERIOR ELEVATIONS
A 26- WINDOW SCHEDULE AND WINDOW DETAILS
A 27- INTERIOR WALL SECTIONS
A 28- WINDOW WALL SECTIONS
A 29- EXTERIOR WALL SECTIONS & COLUMN SECTIONS
A 30- BUILDING CROSS-SECTIONS
A 31- MISC. CONSTRUCTION DETAILS
A 32- KITCHEN HOOD DETAILS
A 33- EXTERIOR STORAGE BUILDING

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

INTERIOR DESIGN

- I 1.0- ROOM SCHEDULE
I 1.1- ROOM SCHEDULE
I 1.2- FINISH SCHEDULE, LEGEND, AND NOTES
I 1.3- OVERALL FINISH PLAN

PLUMBING

- P 1- OVERALL PLUMBING PLAN
P 2- PARTIAL PLUMBING PLAN
P 3- PARTIAL PLUMBING PLAN
P 4- PARTIAL PLUMBING PLAN
P 5- PARTIAL PLUMBING PLAN
P 6- ENLARGED PLUMBING PLANS
P 7- ENLARGED PLUMBING PLANS
P 8- ENLARGED PLUMBING PLANS
P 9- ENLARGED PLUMBING PLANS - KITCHEN AND LAUNDRY
P 10- PLUMBING DETAILS
P 11- PLUMBING SCHEDULES AND DETAILS

MECHANICAL

- M 1- MECHANICAL SCHEDULES AND NOTES
M 2- MECHANICAL SCHEDULES
M 3- MECHANICAL DETAILS
M 4- PARTIAL MECHANICAL PLAN
M 5- PARTIAL MECHANICAL PLAN
M 6- PARTIAL MECHANICAL PLAN
M 7- PARTIAL MECHANICAL PLAN
M 8- PARTIAL VENTILATION PLAN
M 9- PARTIAL VENTILATION PLAN
M 10- PARTIAL VENTILATION PLAN
M 11- PARTIAL VENTILATION PLAN



LOCATION MAP

CAPTIVE AIRE

- SHEET 1- CAPTIVE AIRE DETAILS
SHEET 2- CAPTIVE AIRE DETAILS
SHEET 3- CAPTIVE AIRE DETAILS
SHEET 4- CAPTIVE AIRE DETAILS
SHEET 5- CAPTIVE AIRE DETAILS
SHEET 6- CAPTIVE AIRE DETAILS
SHEET 7- CAPTIVE AIRE DETAILS

ELECTRICAL

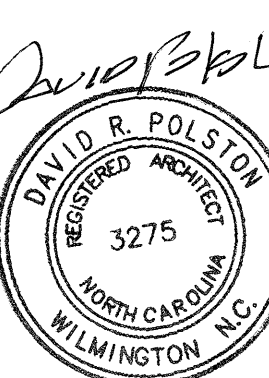
- E 1- ELECTRICAL SCHEDULES AND DETAILS
E 2- PARTIAL LIGHTING PLAN
E 3- PARTIAL LIGHTING PLAN
E 4- PARTIAL LIGHTING PLAN
E 5- PARTIAL LIGHTING PLAN
E 6- ATTIC LIGHTING AND POWER PLAN
E 7- PARTIAL POWER PLAN
E 8- PARTIAL POWER PLAN
E 9- PARTIAL POWER PLAN
E 10- PARTIAL POWER PLAN
E 11- KITCHEN POWER PLAN AND DETAILS
E 12- ENLARGED BEDROOM ELECTRICAL PLANS
E 13- FIRE ALARM PLAN
E 14- FIRE ALARM RISER
E 15- NURSE CALL AND DOOR SECURITY PLAN
E 16- PUBLIC ADDRESS SYSTEM PLAN
E 17- PANEL SCHEDULES
E 18- PANEL SCHEDULES
E 19- PANEL SCHEDULES
E 20- PANEL SCHEDULES
E 21- PANEL SCHEDULES AND POWER RISER

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

125 BED
FACILITY

T
1

HEARTLAND LIVING
AND REHABILITATION
Greensboro, North Carolina



NORTH CAROLINA BUILDING CODE SUMMARY

125 BED NURSING FACILITY

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

Name of Project: HEARTLAND LIVING AND REHABILITATION - 125 BED NURSING FACILITY
Address: 9206 W. MARKET ST., 118 KIDD ROAD, AND 9226 W. MARKET STREET Zip Code: 27235

Owner/Authorized Agent: JIM SCHMIDT Phone: 910-263-1719 E-mail: jschmidt@century-care.com
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County GUILFORD ☐ State

DESIGNER OF RECORD:

LEAD DESIGN PROFESSIONAL: DAVID R. POLSTON, ARCHITECT
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL
Architectural DAVID R. POLSTON, ARCH. DAVID R. POLSTON 3275 (910) 360-8900 polston@heartlandliving.com
Civil FLIMING ENGINEERING, INC. BRENT SIEVERS, P.E. 21338 (336) 544-6432 bsievers@efacconsulting.com
Electrical DAVID S.M.B. + ASSOC. DAVID S.M.B. 007138 (910) 781-8016 office@dsmb.com
Fire Alarm DAVID S.M.B. + ASSOC. DAVID S.M.B. 007138 (910) 781-8016 office@dsmb.com
Plumbing DAVID S.M.B. + ASSOC. DAVID S.M.B. 007138 (910) 781-8016 office@dsmb.com
Mechanical DAVID S.M.B. + ASSOC. DAVID S.M.B. 007138 (910) 781-8016 office@dsmb.com
Sprinkler-Standpipe DESIGN / BUILD BY SPRINKLER CONTRACTOR
Structural HAUBER-CREECH TED DETERS 049492 (910) 624-2540 ted@hauber-creech.com
Retaining Walls > 5' High _____
Other _____

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

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

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

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

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

BASIC BUILDING DATA:

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

Gross Building Area Table:			
FLOOR:	EXISTING (SQFT.)	NEW (SQFT.)	SUB-TOTAL
3rd Floor			
2nd Floor			
1st Floor		76,085 SF.	
Mazantine			
Basement			
Total		76,085 SF.	

ALLOWABLE AREA

Primary Occupancy Classification(s):

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

Accessory Occupancy Classification(s): 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 applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

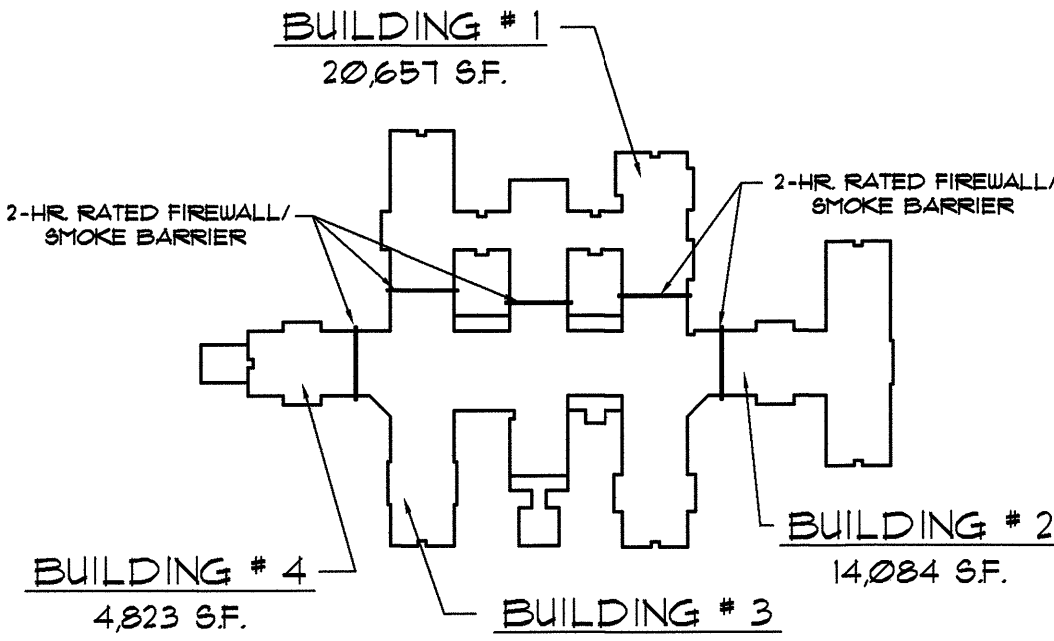
☐ Separated Use (508.4) - See below for area calcs.
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Actual Area of Occupancy A _____ + Actual Area of Occupancy B _____ ≤ 1
Allowable Area of Occupancy A _____ Allowable Area of Occupancy B _____
_____ + _____ + _____ = _____ ≤ 1.00

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

STORY NO.	DESCR. AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE 1.5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED 2.3
BLDG. #1	1	I-2	20,651 SF.	38,000 SF.	38,000 SF.
BLDG. #2	1	I-2	14,084 SF.	38,000 SF.	38,000 SF.
BLDG. #3	1	I-2	36,521 SF.	38,000 SF.	38,000 SF.
BLDG. #4	1	I-2	4,823 SF.	38,000 SF.	38,000 SF.

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

PROPOSED BUILDING AREA:

BUILDING #1 = 20,651 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING #2 = 14,084 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING #3 = 36,521 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING #4 = 4,823 SF. IS LESS THAN 38,000 SF. ALLOWED

TOTAL BUILDING SF. = 76,085 SF.

ALLOWABLE HEIGHT

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

FIRE PROTECTION REQUIREMENTS

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

BUILDING ELEMENT	FIRE SEPERATION DISTANCE (FEET)	RATING REQ'D.	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 / FSJ	U-356		
North	> 30'	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
East	> 30'	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
West	> 30'	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
South	> 30'	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
Interior	N/A	I-HR.	I-HR.	DTL. # 4 / FSJ	U-309		
Nonbearing walls and partitions							
Exterior walls							
North	N/A	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
East	N/A	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
West	N/A	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
South	N/A	I-HR.	I-HR.	DTL. # 2 / FSJ	U-356		
Interior walls	N/A	Ø	---	DTL. # 4 / FSJ	U-309		
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 / FSJ	RC-7602		
Column Supporting Roof	N/A	I-HR.	I-HR.	DTL. # 1 / FSJ	X-928		
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	Ø	---	DTL. # 4 / FSJ	U-309		
Occup./Fire Barrier Sep.	N/A	I-HR.	I-HR.	DTL. # 4 / FSJ	U-309		
Party/Fire Wall Sep.	N/A	2-HR.	2-HR.	DTL. # 5 / FSJ	U-921 / U-922		
Smoke Barrier Sep.	N/A	I-HR.	I-HR.	DTL. # 4 / FSJ	U-309		
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 / FSJ	U-309		

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, 5	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 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
107	54	107	Ø	Ø	54	107	107

Ø5 UNITS ARE PRIVATE BEDROOMS
10 UNITS ARE SEMI-PRIVATE BEDROOMS
ALL UNITS ARE COMPLETELY ACCESSIBLE.

ACCESSIBLE PARKING (SECTION 1106)

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

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REG.	ACCESS.
EXISTING	N/A	N/A	N/A	N/A	N/A		N/A	N/A
NEW	9	9	Ø	10	10		1	1
REQUIRED	2	2	Ø	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: 42

Skylights in each assembly: NOT APPLICABLE

U-Value of skylight: N/A

total square footage of skylights in each assembly: Ø

Exterior Walls (each assembly)

Description of assembly: DECORATIVE BLOCK / HARDIE-BOARD, WOOD STUDS, GWB, INT. SIDE / O&B, EXT. SIDE

U-Value of total assembly: 0.01

R-Value of insulation: 15

Openings (windows or doors w/ glazing)

U-Value of assembly: 0.30

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: I seismic 1.25 I snow 1.10

LIVE LOADS: ROOF 20 psf CEILING 10 psf FLOOR 100 psf

SNOW LOAD: Ps 15 psf

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

SEISMIC LOAD: Spectral Response Ss 0.168 S1 0.082 S2 0.179 S3 0.131

Seismic Design Category: B Seismic Site Class D (Default)

Structural System: Light framed walls sheathed w/ structural panels

R-Factor: 6.5 Analysis Procedure Equivalent Lateral Force

NORTH CAROLINA BUILDING CODE SUMMARY

EXTERIOR STORAGE BUILDING

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

Name of Project: HEARTLAND LIVING AND REHABILITATION - STORAGE BUILDING FOR NEW 125 BED NURSING FACILITY
8306 W. MARKET ST., 118 KIDD ROAD, AND 9230 W. MARKET STREET
Address: COLFAX, NORTH CAROLINA Zip Code: 27235

Owner/Authorized Agent: JIM SCHMIDLIN Phone: 910-263-1215 E-mail: jschmidlin@century-care.com

Owned By: ☐ City/County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City ☒ County GUILFORD ☐ State

DESIGNER OF RECORD:

LEAD DESIGN PROFESSIONAL: DAVID R. POLSTON ARCHITECT

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	DAVID R. POLSTON ARCH.	DAVID R. POLSTON	3215	(910) 350-0900	polston@drpolston.com
Civil	FLUKE ENGINEERING, INC.	BRENT SIEVERS, P.E.	21339	(336) 344-6432	bsievers@felconsulting.com
Electrical	DAVID S118 & ASSOC.	DAVID S118	007138	(910) 791-8016	office@cleang.com
Fire Alarm	DAVID S118 & ASSOC.	DAVID S118	007138	(910) 791-8016	office@cleang.com
Plumbing	DAVID S118 & ASSOC.	DAVID S118	007138	(910) 791-8016	office@cleang.com
Mechanical	DAVID S118 & ASSOC.	DAVID S118	007138	(910) 791-8016	office@cleang.com
Sprinkler--Standpipe	DESIGN / BUILD BY SPRINKLER CONTRACTOR				
Structural	HAUSER-CREECH	TED DIETENS	048492	(910) 604-2540	ted@hauser-creech.com
Retaining Walls > 5' High					
Other					

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

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

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

BASIC BUILDING DATA:

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

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

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

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

Special Inspections Required: ☒ No ☐ Yes

Gross Building Area Table:

FLOOR:	EXISTING (SQFT.)	NEW (SQFT.)	SUB-TOTAL
3rd Floor			
2nd Floor			
1st Floor		1003 SF.	
Mazanine			
Basement			
Total		1003 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-pled
☐ 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 calcs.
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

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

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	1003 SF.	13500 SF.	NOT USED	13500 SF.

- 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 $I_f = 100 \left[\frac{F/P - 0.25}{W} \right] \times W/30 = \dots\dots\dots (\%)$
- 2 The sprinkler increase per Section 506.3 is as follows:
- a. Multi-story building $I_s = 200$ percent
b. Single story building $I_s = 300$ percent
- 3 Unlimited area applicable under conditions of Sections 507.
- 4 Maximum Building Area = total number of stories in the building x E (506.4).
- 5 The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

ALLOWABLE HEIGHT

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

FIRE PROTECTION REQUIREMENTS

LIFE SAFETY PLAN SHEET NO., IF PROVIDED _____

BUILDING ELEMENT	FIRE SEPERATION DISTANCE (FEET)	RATING REQ'D.	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-2602		
Column Supporting Roof	N/A	I-HR	I-HR	DTL * 1 / FS3	X-B28		
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 / U-302		
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, 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 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 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/O)		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: 42

Skylights in each assembly: NOT APPLICABLE

U-Value of skylight: N/A

total square footage of skylights in each assembly: 0

Exterior Walls (each assembly) DECORATIVE BLOCK / HARDIE-BOARD, WOOD STUDS, GWB, INT. SIDE / OSB, EXT. SIDE

Description of assembly: 0.21

U-Value of total assembly: 0.21

R-Value of insulation: 19

Openings (windows or doors w/ glazing)

U-Value of assembly: 0.38

Solar heat gain coefficient: 0.25

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: 19

Horizontal/Vertical Requirement: 24' HORIZONTAL, 16' VERTICAL

Slab Heated: _____

STRUCTURAL DESIGN DATA SHEET (ASCE 7-10):

RISK CATEGORY: II (ASCE 7-10)

OCCUPANCY CLASSIFICATION: INSTITUTIONAL GROUP I-2 (2015 IBC)

IMPORTANCE FACTORS:

I seismic: 1.25

I snow: 1.10

LIVE LOADS:

ROOF: 20 psf

CATWALK: 40 psf

FLOOR: 100 psf

SNOW LOAD:

Pg: 15 psf

WIND LOAD:

Basic Wind Speed: 120 MPH

Exposure Category: C

Wind Bore Shear (MWFRS):

Vx: 143.2 K

Vy: 85.4 K

SEISMIC LOAD:

Spectral Response:

Ss: 0.168

S1: 0.082

Sd: 0.179

Sa1: 0.131

Seismic Design Category: D

Seismic Site Class: D (Default)

Structural System: Light framed walls sheathed w/ structural panels

Factor: 6.5

Analysis Procedure: Equivalent Lateral Force

Seismic Base Shear: 40.5 K

Vx: 40.5 K

Vy: 40.5 K

SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:

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

LATERAL DESIGN CONTROL:

X-Direction: Wind

Y-Direction: Wind

SOIL BEARING PROPERTIES:

Allowable Bearing Capacity: 2000 psf (Presumptive)

SEE MECHANICAL DRAWINGS FOR
MECHANICAL METHOD OF COMPLIANCE
BUILDING DATA

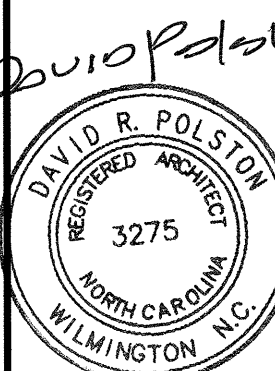
SEE ELECTRICAL DRAWINGS FOR
ELECTRICAL METHOD OF COMPLIANCE
BUILDING DATA

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

125 BED
FACILITY

1
3

HEARTLAND LIVING
AND REHABILITATION
Greensboro, North Carolina



7-1-2025

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

OCCUPANCY CLASSIFICATION:
NON-SEPERATED MIXED OCCUPANCY

B. CONSTRUCTION TYPE: TYPE V.A

SPRINKLERS: NFPA 13, W/ QUICK RESPONSE HEADS
BUILDING HEIGHT: ONE STORY

C. CONSTRUCTION DESCRIPTIONS:

- FLOORS - 4" CONCRETE SLAB ON GRADE.
- EXTERIOR WALLS - 2" X 6" WOOD STUDS W/ 5/8" F.G. G.W.B. ON INSIDE OF STUDS W/ 1/16" O.S.B. ON EXTERIOR SIDE.
UL ASSEMBLY U-356 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
- 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-901 2-HR. RATED
- CANOPY/ PORCH COLUMNS - DOUBLE LAYER 5/8" FIRECODE GUB WRAP /
UL ASSEMBLY X-578 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-578 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)

- I-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)

I-2 IS THE MOST RESTRICTIVE LIMITATION OF AREA FOR THE CONSTRUCTION TYPE.

E. PROPOSED BUILDING AREA:

- BUILDING # 1 = 20,651 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING # 2 = 14,084 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING # 3 = 36,521 SF. IS LESS THAN 38,000 SF. ALLOWED
BUILDING # 4 = 4,823 SF. IS LESS THAN 38,000 SF. ALLOWED

TOTAL BUILDING SF. = 76,085 SF.

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

- CORRIDOR WALLS ARE NON-RATED AND CONSTRUCTED TO FORM A BARRIER TO LIMIT THE TRANSFER OF SMOKE (DETAILS * 2103 AND 2104) (401.3) IN ACCORDANCE W/ SECTION 710
- 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. (DETAIL * 2102 (1-HR.) & * 2101 (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 A NFPA 72 SMOKE DETECTION / NOTIFICATION AUTOMATIC FIRE ALARM SYSTEM (401.1 AND 401.8)
- ALL MAGNETIC LOCKED EXTERIOR DOORS TO COMPLY WITH NC8BC 401.12 SPECIAL LOCKING ARRANGEMENT FOR LICENSED GROUP I-2.

G. FIRE RESISTANT RATED CONSTRUCTION (CHAPTER 7)

- EXTERIOR WALLS (DETAILS * 204 TYPICAL)
A. PERIMETER OPENINGS ALL EXCEED 30 FEET TO PROPERTY LINE - NO LIMIT ON UNPROTECTED OPENINGS PER TABLE 105.8
- FIREWALLS (106)
A. FIREWALL CONSTRUCTION IS A 2-HOUR ASSEMBLY (DETAIL * 2101) (TABLE 106.4 NOTE 3)
B. FIREWALL TO EXTEND FROM FINISHED FLOOR TO 3'-0" ABOVE ROOF DECK AND 3'-0" BEYOND OUTSIDE WALLS
- FIRE BARRIERS (107)
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 * 2102, * 3105, AND * 3106)
- OPENING PROTECTION (TABLE 116.5)
A. TWO HOUR FIREWALLS: 1 1/2-HOUR RATED DOORS
B. ONE-HOUR FIRE BARRIERS: 3/4-HOUR RATED DOORS
C. ONE-HOUR SMOKE BARRIER: 20 MINUTE RATED DOORS
- DRAFTSTOPPING:
ATTIC DRAFTSTOPPING IS NOT REQUIRED SINCE BUILDING IS PROTECTED WITH A NFPA 13 SPRINKLER SYSTEM IN ATTIC. (118.4.3 EXCEPTION))

SMOKE
COMPARTMENT "A"
20,651 SF.

BUILDING # 1
20,651 SF.

2-HR. RATED FIREWALL/
SMOKE BARRIER

BUILDING # 4
4,823 SF.

BUILDING # 2
14,084 SF.

BUILDING # 3
36,521 SF.

SQUARE FOOTAGE
BREAKDOWN KEY

2-HR. RATED FIREWALL/
SMOKE BARRIER

SMOKE
COMPARTMENT "G"
4,823 SF.

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

SMOKE
COMPARTMENT "F"
22,145 SF.

SMOKE
COMPARTMENT "E"
5,242 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 803.11 REQUIREMENTS FOR OCCUPANCY TYPES I-2, A-2, B, AND S-1 WITHIN SPRINKLED BUILDINGS.
- INTERIOR FLOOR FINISHES (804)
ALL INTERIOR FLOOR FINISHES ARE SPECIFIED TO BE CLASS I OR II WHICH EXCEEDS 804.4.2 (EXCEPTION) FOR OCCUPANCY TYPES I-2, A-2, B, AND S-1 WITHIN SPRINKLED BUILDINGS.

I. FIRE PROTECTION SYSTEM (CHAPTER 9)

- AUTOMATIC SPRINKLER SYSTEM (903)
THE BUILDING IS PROTECTED THROUGH-OUT WITH A 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 IBC (906)
- FIRE ALARM / DETECTION SYSTEM (907)
THE BUILDING IS PROTECTED THROUGH-OUT WITH AN AUTOMATIC FIRE DETECTION / ALARM SYSTEM WHICH COMPLIES WITH NFPA 72.

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 NC8BC

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

SMOKE RESISTANT INCIDENTAL WALL (SR W)

CLEAR OPENING
OF EXIT
42"
210'
EXIT CAPACITY
(1009.3.2)

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

EXIT LOCATION DESIGNATION

SMOKE
COMPARTMENT "B"
2,271 SF.

2-HR. RATED FIREWALL/
SMOKE BARRIER

2-HR. RATED FIREWALL/
SMOKE BARRIER

2-HR. RATED FIREWALL/
SMOKE BARRIER

1-HR. RATED FIRE /
SMOKE BARRIER

SMOKE
COMPARTMENT "D"
9,134 SF.

1-HR. RATED FIRE /
SMOKE BARRIER

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

J. MEANS OF EGRESS (CHAPTER 10) (CONTINUED):

- EGRESS DOOR SIZES (1010.1.1)
ALL EGRESS DOORS ARE 3'-8" WIDE AND 6'-8" HIGH FOR I-2 OCCUPANCY (MOST STRINGENT 6'-8" IS REQUIRED).
- PANIC AND FIRE EXIT HARDWARE (1010.1.10)
ALL EGRESS DOORS ARE SPECIFIED TO HAVE PANIC HARDWARE TO COMPLY WITH A-2 REQUIREMENT.
- NUMBER OF EXITS (1006)
A. ALL AREAS HAVE TWO MEANS OF EGRESS.
B. PHYSICAL THERAPY * 150 EXCEEDS 150 SF. THEREFORE, TWO EXITS ARE PROVIDED FROM THESE ROOMS.
C. ALL RESIDENT ROOMS OPEN TO THE CORRIDOR.
- EXIT ACCESS TRAVEL DISTANCE (TABLE 1012.2)
A. 1-2: 250 FEET WITH SPRINKLERS
B. 300 FEET WITH SPRINKLERS
C. S-1: 250 FEET WITH SPRINKLERS
D. I-2: 200 FEET WITH SPRINKLERS
E. I-2: MORE STRINGENT AND USED.
- CORRIDORS (1020)
A. WIDTHS (TABLE 1020.2) 36 INCHES PROVIDED FOR I-2 WHICH IS THE MOST STRINGENT.
B. 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. I-2: 0-HOURS WITH SPRINKLERS
D. S-1: 0-HOURS WITH SPRINKLERS

SMOKE
COMPARTMENT "C"
11,813 SF.

LS102

FLOOR PLAN

SCALE: 1" = 20'-0"

GENERAL LIFE SAFETY
REQUIREMENTS

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

HEARTLAND LIVING
AND REHABILITATION
Greensboro, North Carolina

OCCUPANCY / EGRESS CALCULATIONS

A. BUSINESS OCCUPANCY (B):

OFFICE GROUP ONE -	509 S.F. / 100 = 6
OFFICE GROUP TWO -	634 S.F. / 100 = 7
MDS OFF. * 8 / M.R. OFF. * 8A -	105 S.F. / 100 = 2
CONF. ROOM * 9 -	368 S.F. / 100 = 4
ADMIN. OFFICE * 10 -	208 S.F. / 100 = 3
DIALYSIS SUITE * 18 -	1086 S.F. / 100 = 11
MED. DIR. * 25 -	126 S.F. / 100 = 2
DN. OFF. * 32 -	110 S.F. / 100 = 2
OFFICE * 42 -	132 S.F. / 100 = 2
NURSES AID / TRAIN'G. * 43 -	547 S.F. / 100 = 6
LAUNDRY * 46 -	812 S.F. / 100 = 9
OFFICES * 51 & * 52 -	184 S.F. / 100 = 2
BEAUTY SALON * 54 -	292 S.F. / 100 = 3
ADON OFFICE * 63 -	120 S.F. / 100 = 2
LAUNDRY * 50 -	321 S.F. / 100 = 10

B. ASSEMBLY (A-2):

LIVING * 27 / DINING * 28 -	1194 S.F. / 15 = 80
DUNCAN TAVERN * 31 -	599 S.F. / 15 = 33
ACT. ROOM * 37 -	482 S.F. / 15 = 33
ALZ. LIVING / DINING * 69 -	695 S.F. / 15 = 47
DINING * 76 / LIVING * 77 -	1194 S.F. / 15 = 80
LIVING ROOM * 84 -	613 S.F. / 15 = 41
CHAPEL * 85 -	269 S.F. / 15 = 18

C. INSTITUTIONAL (I-2):

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

D. MODERATE STORAGE (S-1):

STORAGE * 19 -	184 S.F. / 300 = 1
STORAGE * 22 -	249 S.F. / 300 = 1
C.U./CL. * 20 -	122 S.F. / 300 = 1
STORAGE * 24 -	163 S.F. / 300 = 1
S.U. / S.L. * 33 -	184 S.F. / 300 = 1
STORAGE * 38B -	120 S.F. / 300 = 1
STORAGE * 40 -	163 S.F. / 300 = 1
STORAGE * 41 -	163 S.F. / 300 = 1
CENT. SUPPLY * 44 -	344 S.F. / 300 = 2
DRY STORAGE * 39D -	233 S.F. / 300 = 1
HOUSE-KPG. * 50 -	184 S.F. / 300 = 1
MAINT. OFFICE * 53 -	245 S.F. / 300 = 1
STORAGE * 56 -	179 S.F. / 300 = 1
STORAGE * 62 -	163 S.F. / 300 = 1
S.U./S.L. * 66A -	124 S.F. / 300 = 1
C.U./CL. * 70 -	163 S.F. / 300 = 1
STORAGE * 74 -	163 S.F. / 300 = 1
STORAGE * 78 -	163 S.F. / 300 = 1
S.U. / S.L. * 79 -	163 S.F. / 300 = 1
C.U./CL. * 80 -	163 S.F. / 300 = 1
STORAGE * 81 -	115 S.F. / 300 = 1
UHL-CHR. STOR. * 83 -	150 S.F. / 300 = 1

TOTAL OCCUPANCY LOAD: 710 PEOPLE

E. EGRESS CAPACITY:

1. CORRIDORS: 36" WIDE / 0.2' = 480 PEOPLE
2. EXITS PROVIDED: 11
3. EXIT WIDTHS: 9 @ 42' / 0.2' = 210 PEOPLE EACH
2 @ 46' / 0.2' = 230 PEOPLE EACH
4. EXIT CAPACITY: 210 x 9 = 1890 PEOPLE
230 x 2 = 460 PEOPLE
TOTAL OF 2,350 PEOPLE

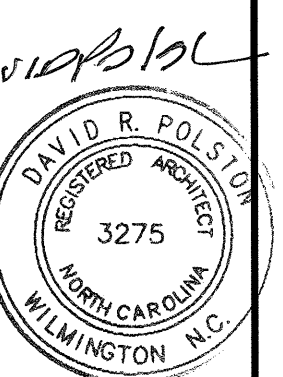
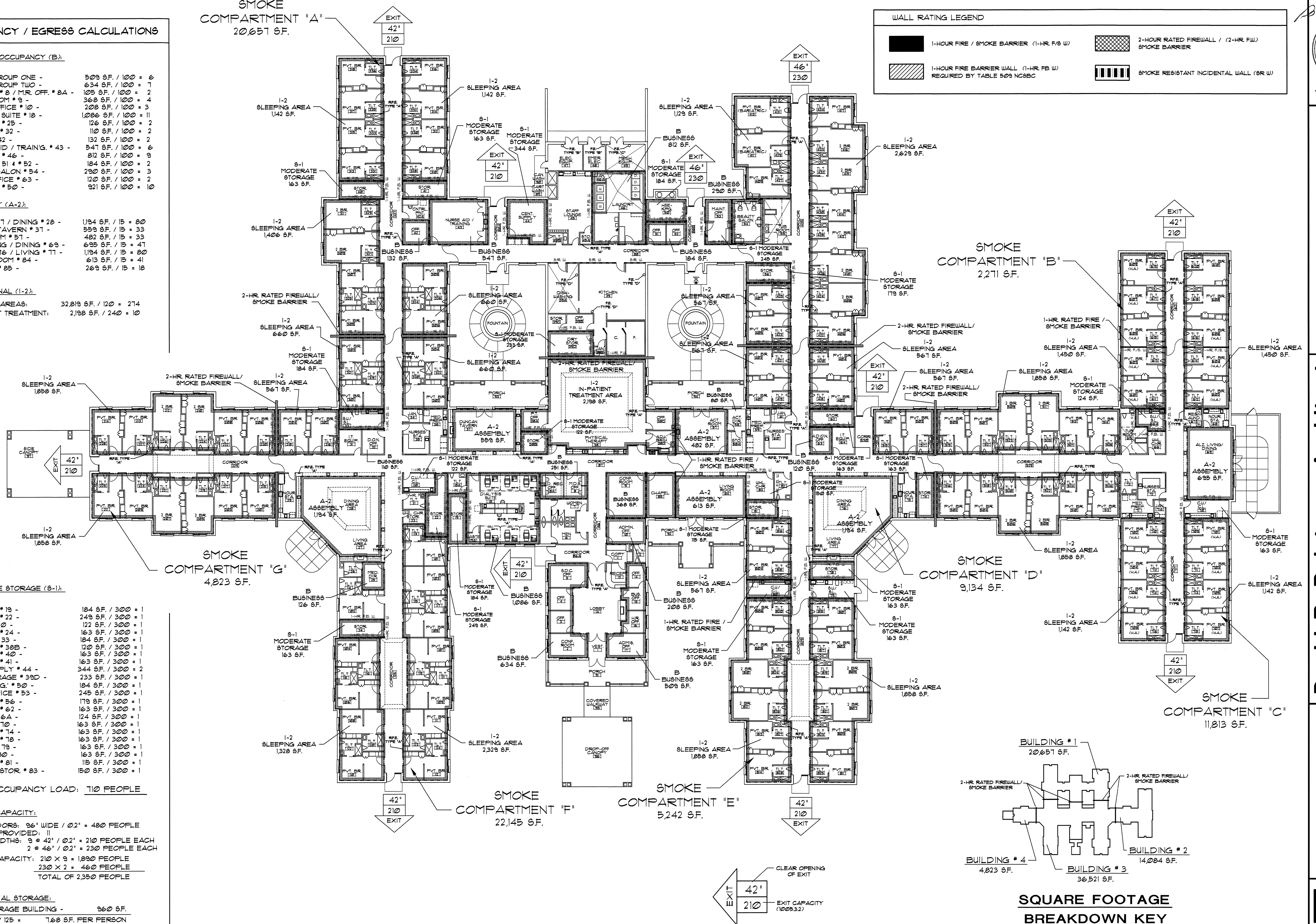
F. RESIDENTIAL STORAGE:

EXT. STORAGE BUILDING -	960 S.F.
960 S.F. / 125 =	7.68 S.F. PER PERSON

SMOKE
COMPARTMENT "A"
20,651 S.F.

WALL RATING LEGEND

1-HOUR FIRE / SMOKE BARRIER (1-HR F/S W)	2-HOUR RATED FIREWALL / (2-HR F.W.) SMOKE BARRIER
1-HOUR FIRE BARRIER WALL (1-HR FB W) REQUIRED BY TABLE 509 NC8BC	SMOKE RESISTANT INCIDENTAL WALL (SR W)

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2NOTE: CLEAR OPENING OF EXIT AT DOUBLE DOOR
LOCATIONS IS FOR SINGLE LEAF OF DOOR

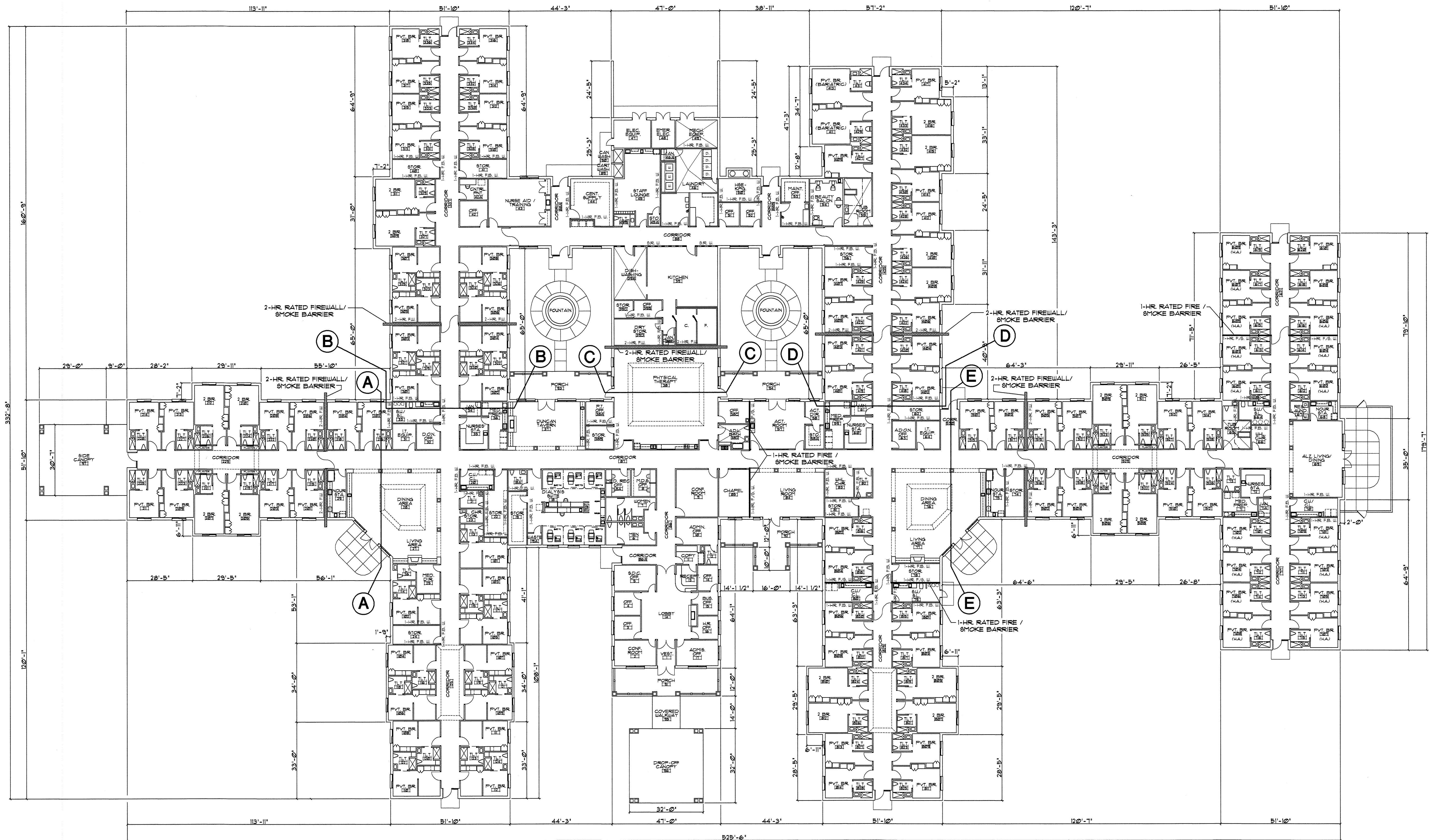
EXIT LOCATION DESIGNATION

(L520)

FLOOR PLAN

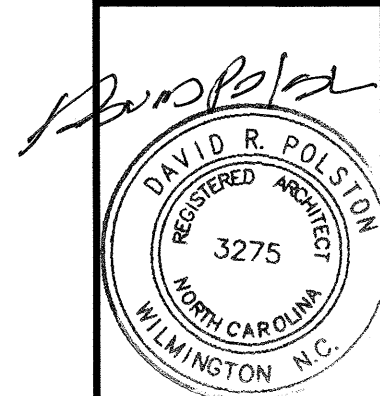
SCALE: 1" = 20'-0"

OCCUPANCY CLASSIFICATIONS
AND EGRESS LOADSSQUARE FOOTAGE
BREAKDOWN KEY



101 FLOOR PLAN
SCALE: 1" = 20'-0"
COMPOSITE FLOOR PLAN

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 NC8BC		SMOKE RESISTANT INCIDENTAL WALL (SR W)

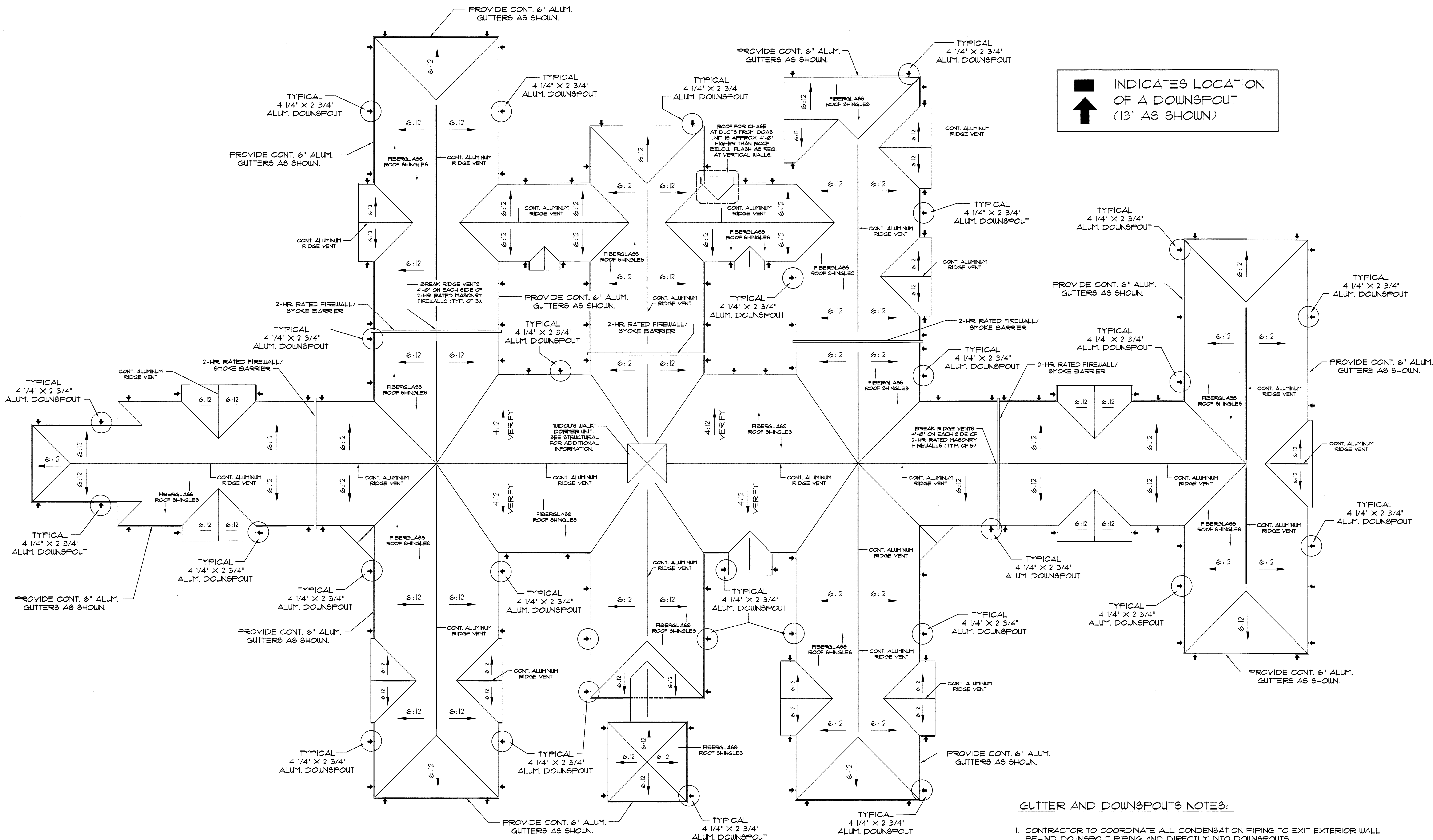


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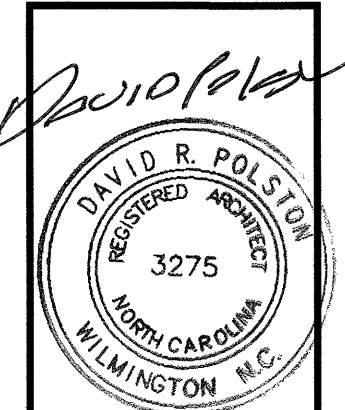
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GUTTER AND DOWNSPOUTS NOTES:

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



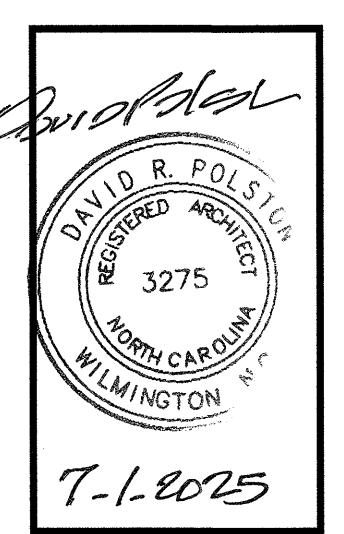
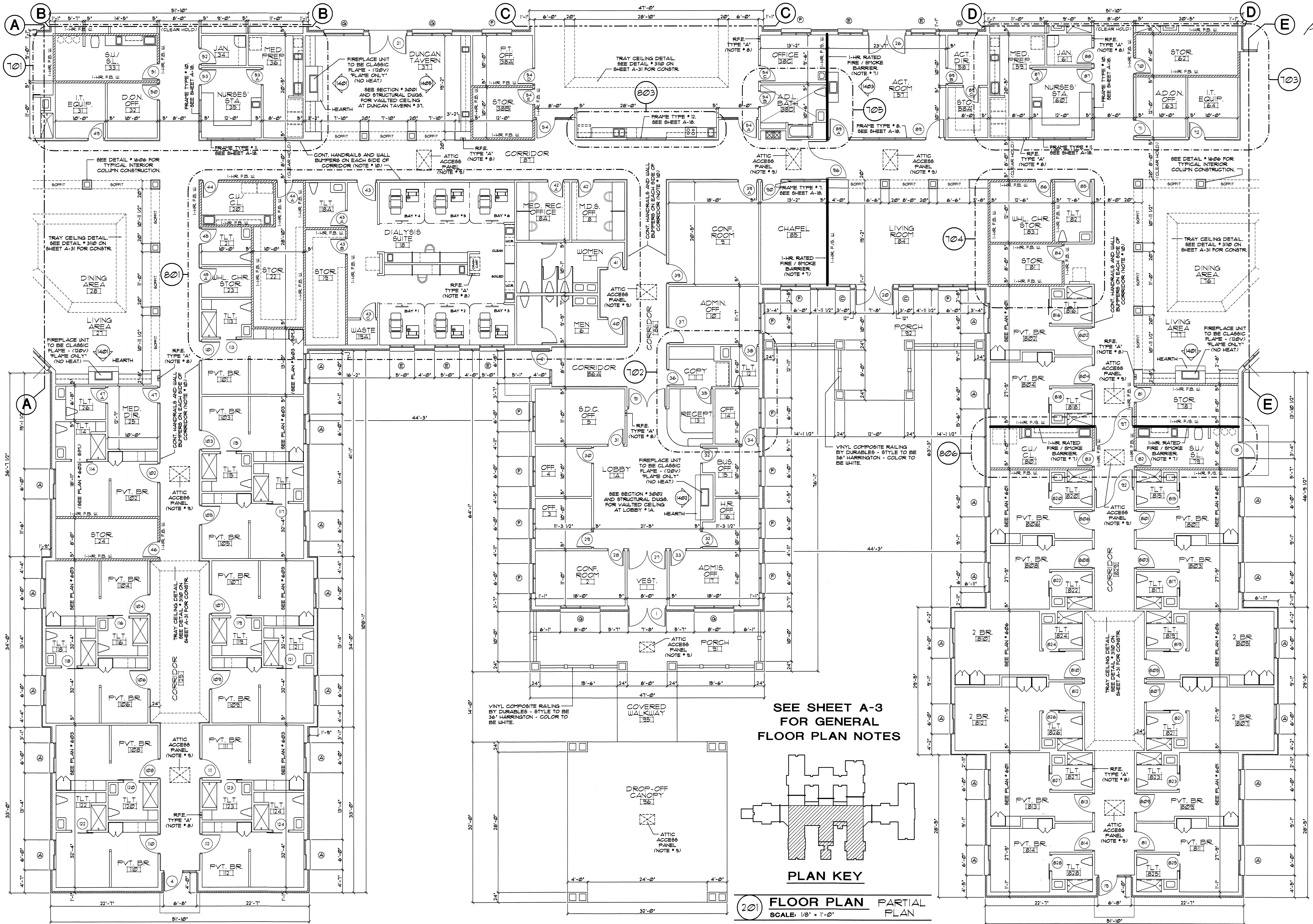
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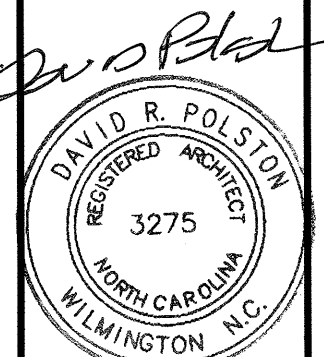
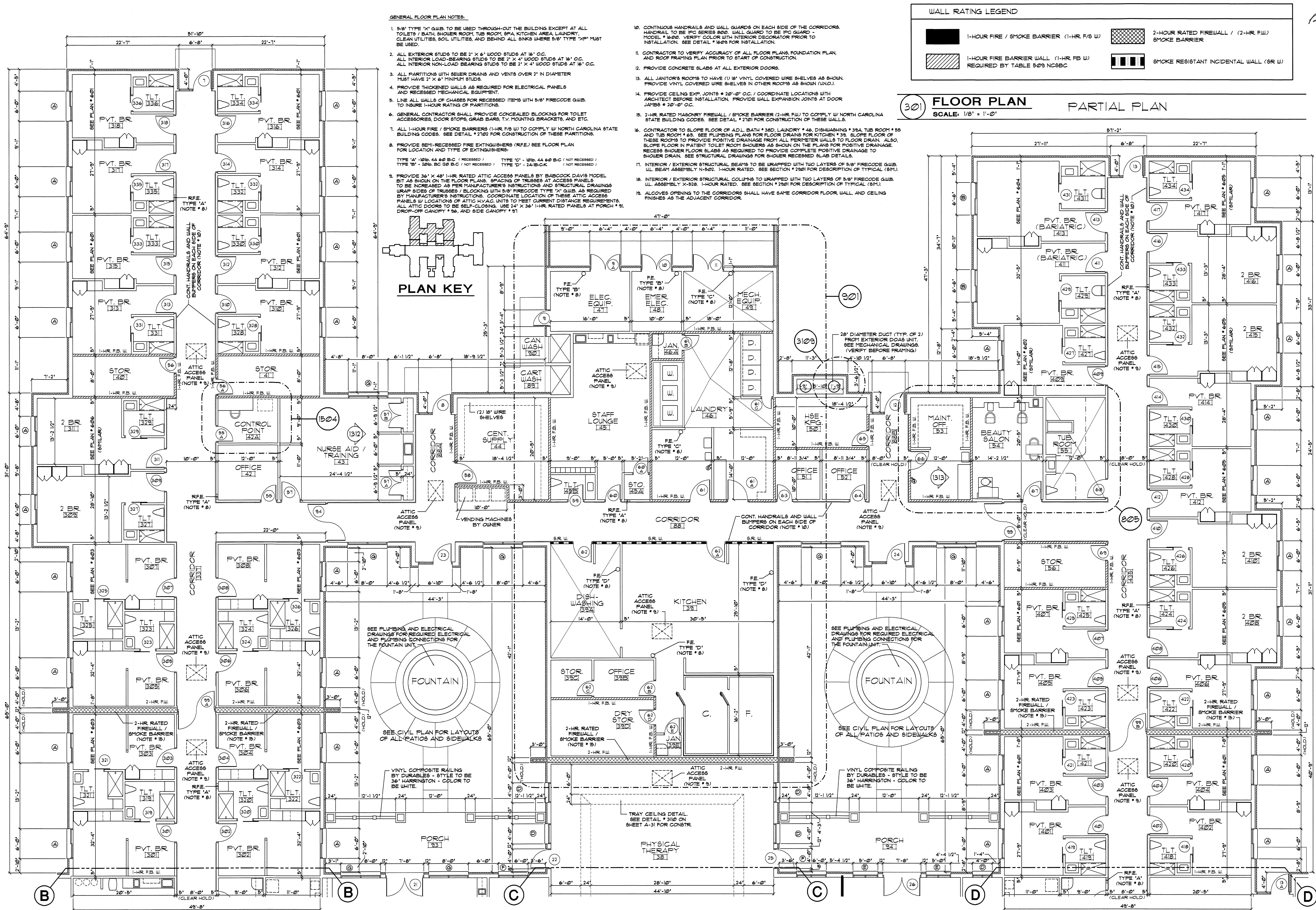


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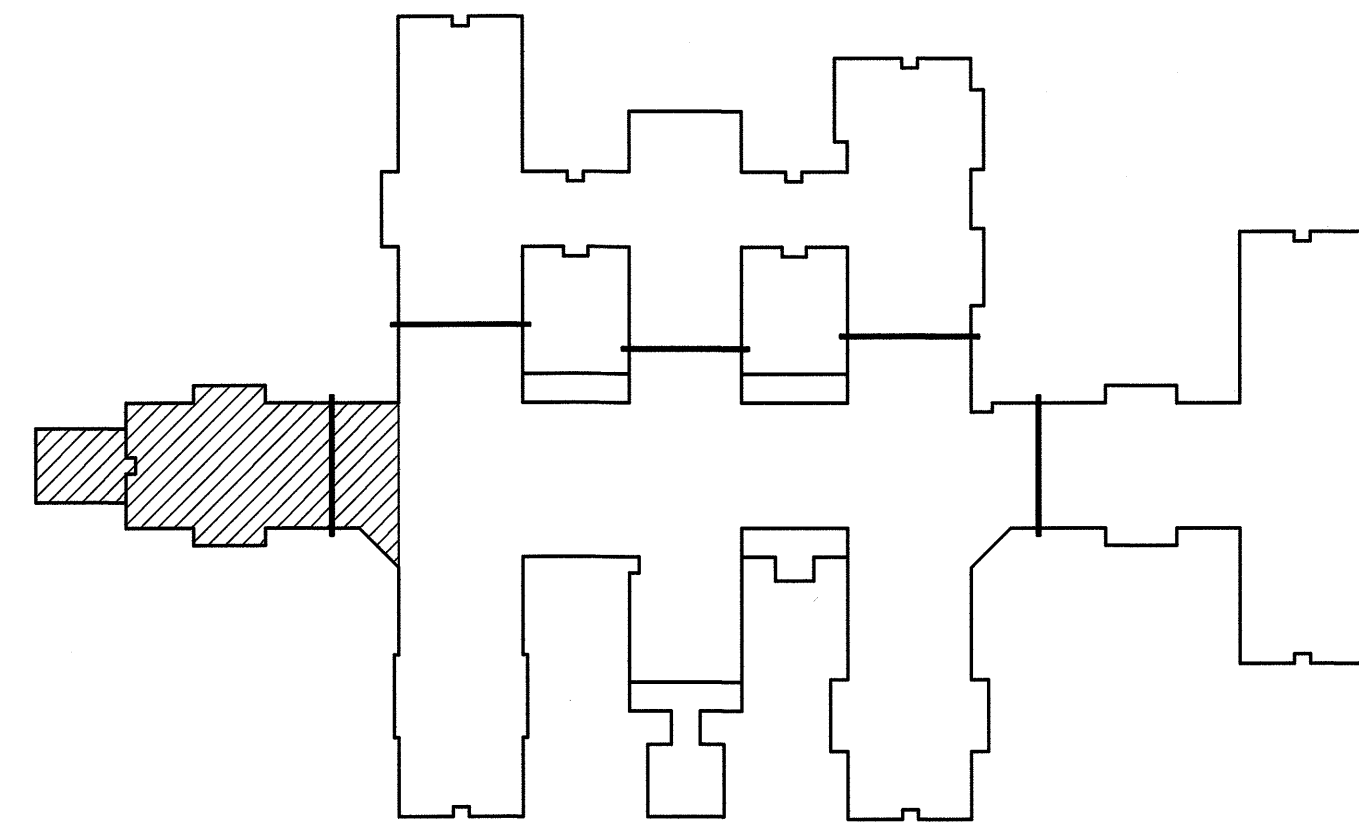


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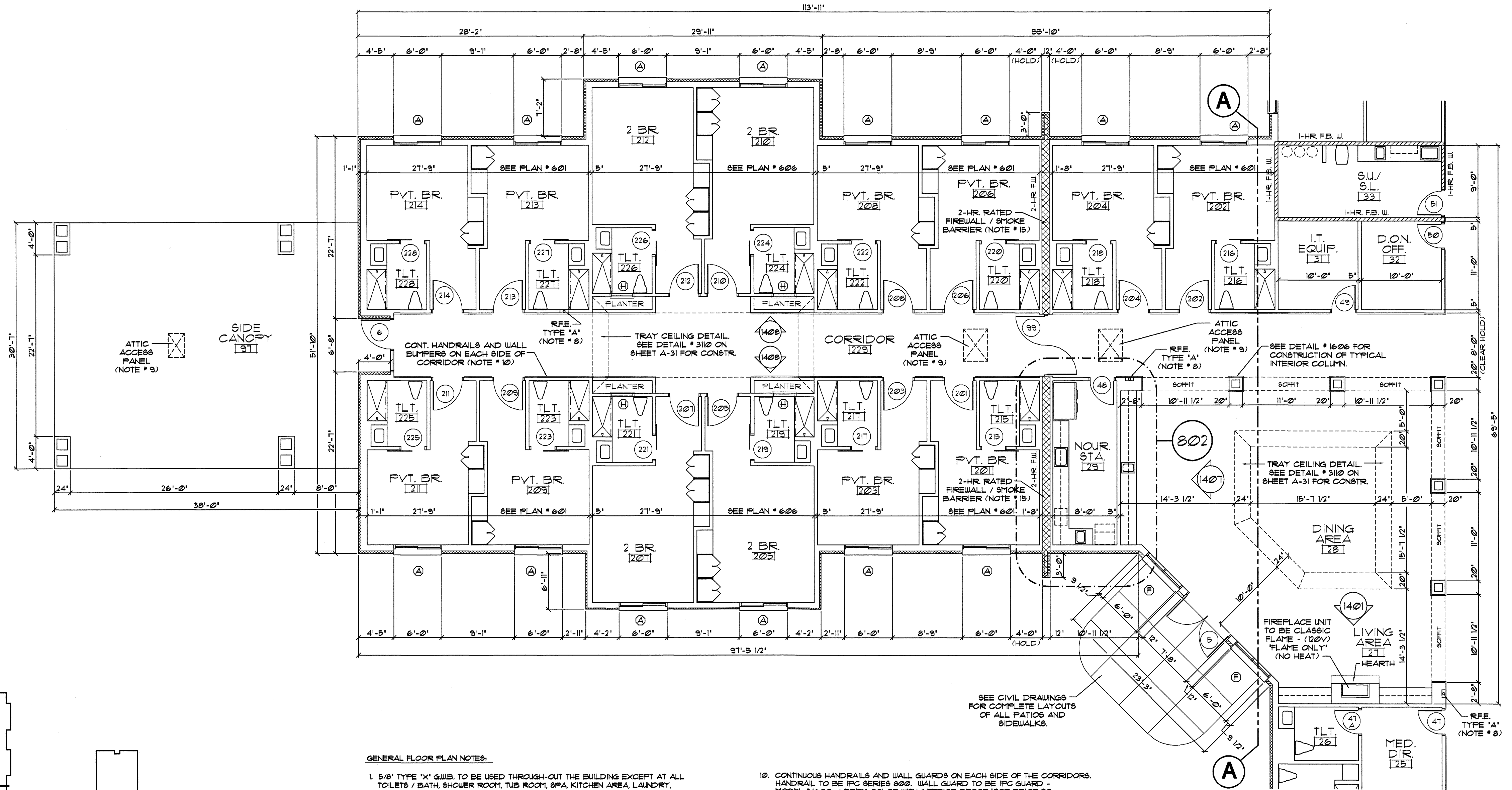
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PLAN KEY



GENERAL FLOOR PLAN NOTES:

- 5/8" TYPE 'X' GWB. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS / BATH, SHOWER ROOM, TUB ROOM, SPA, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE 'XP' MUST BE USED.
- 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.
- 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.
- LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE GWB. TO INSURE 1-HOUR RATING OF 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 W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2102 FOR CONSTRUCTION OF THESE PARTITIONS.
- PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (RFE.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS.
TYPE 'A' - 10LB. 4A 60 B/C (RECESSED) TYPE 'C' - 10LB. 4A 60 B/C (NOT RECESSED)
TYPE 'B' - 20LB. 6C 120 B/C (NOT RECESSED) TYPE 'D' - 2A1B.C.K (NOT RECESSED)
- PROVIDE 36" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIS MODEL BIT AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS UNRAFF SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE 'X' GWB. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATIONS OF ATTIC HVAC UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING. USE 24" X 36" 1-HR. RATED PANELS AT PORCH * 91, DROP-OFF CANOPY * 96, AND SIDE CANOPY * 97.

- CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IPC SERIES 800. WALL GUARD TO BE IPC GUARD - MODEL # 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL # 1603 FOR INSTALLATION.
- CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
- PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
- ALL JANITOR'S ROOMS TO HAVE (1) 8" VINYL COVERED WIRE SHELVES AS SHOWN. 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 W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2101 FOR CONSTRUCTION OF THESE WALLS.
- CONTRACTOR TO SLOPE FLOOR OF ADJ. BATH * 380, LAUNDRY * 46, DISHWASHING * 38A, TUB ROOM * 55 AND TUB ROOM * 65. SEE PLUMBING PLANS FOR FLOOR DRAINS FOR KITCHEN * 38. 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 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 GWB. UL BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION * 2901 FOR DESCRIPTION OF TYPICAL (91M.).
- INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO UNRAFFED WITH TWO LAYERS OF 5/8" FIRECODE GWB. UL ASSEMBLY X-528. 1-HOUR RATED. SEE SECTION * 2901 FOR DESCRIPTION OF TYPICAL (91M.).
- ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.

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

PARTIAL PLAN

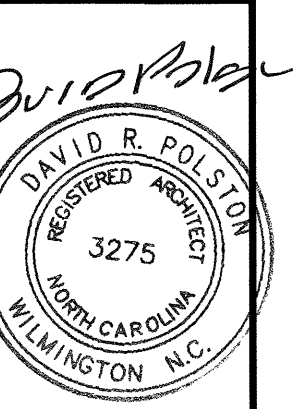
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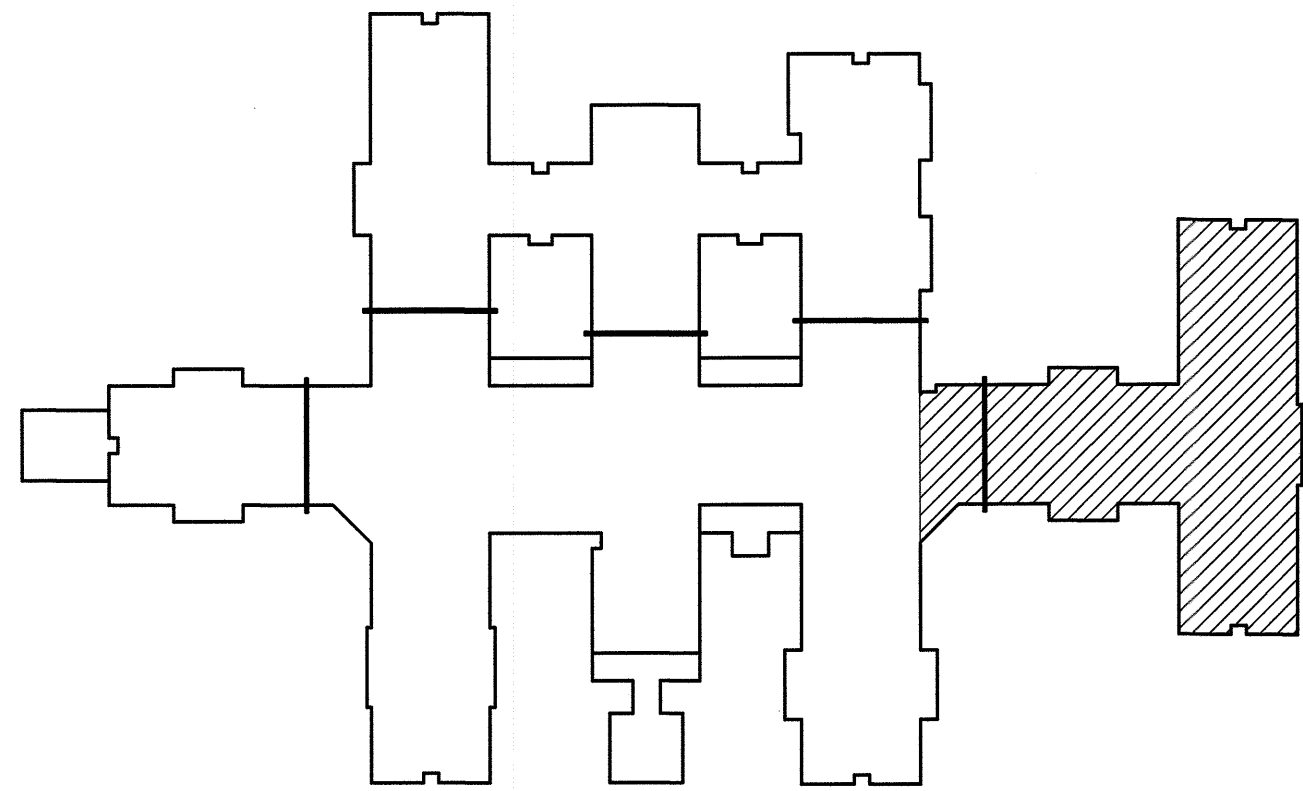
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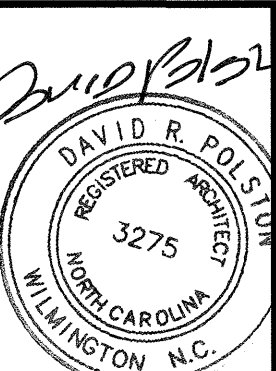
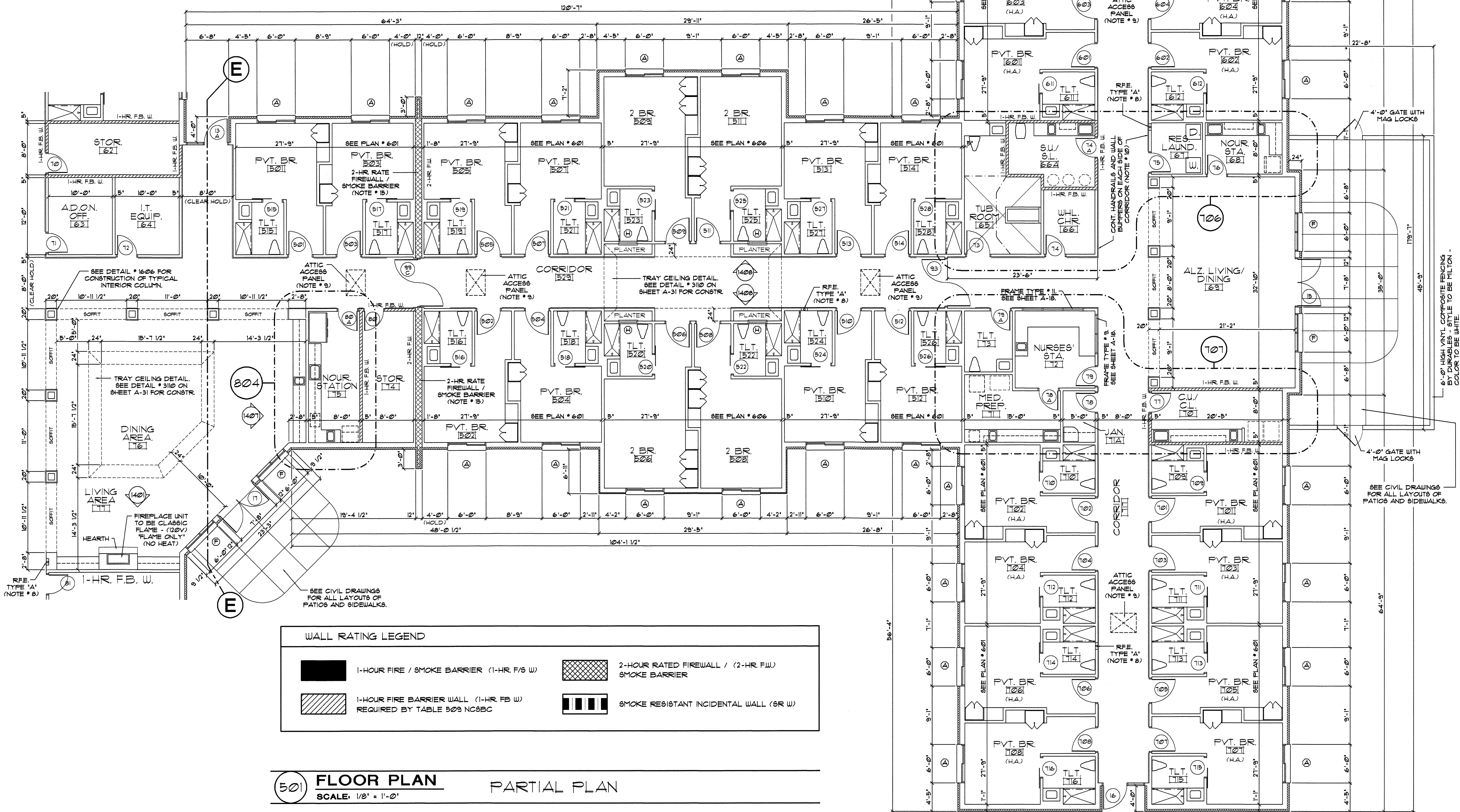




PLAN KEY

GENERAL FLOOR PLAN NOTES:

- 5/8" TYPE 'X' G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILETS / BATH, SHOWER ROOM, TUB ROOM, SPA, KITCHEN AREA, LAUNDRY, CLEAN UTILITIES, SOIL UTILITIES, AND BEHIND ALL SINKS WHERE 5/8" TYPE 'XP' MUST BE USED.
- 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.
- 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.
- LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF 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 W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2102 FOR CONSTRUCTION OF THESE PARTITIONS.
- PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:
TYPE 'A' - 10LB. 4A 6.0 B.C. (RECESSED) TYPE 'C' - 10LB. 4A 6.0 B.C. (NOT RECESSED)
TYPE 'B' - 20LB. BC 6.0 B.C. (NOT RECESSED) TYPE 'D' - 2A/1B/C/K (NOT RECESSED)
- PROVIDE 36" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIS MODEL BIT AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS UNRAIP 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. USE 24" X 36" 1-HR. RATED PANELS AT PORCH # 91, DROP-OFF CANOPY # 56, AND SIDE CANOPY # 91.
- CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IFC SERIES 802. WALL GUARD TO BE IFC GUARD - MODEL # 1620. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO INSTALLATION. SEE DETAIL # 1620 FOR INSTALLATION.
- CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
- PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
- ALL JANITOR'S ROOMS TO HAVE (1) 18" VINYL COVERED WIRE SHELVES AS SHOWN. PROVIDE VINYL COVERED WIRE SHELVES IN OTHER ROOMS AS SHOWN (N.O.).
- 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. F.W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2101 FOR CONSTRUCTION OF THESE WALLS.
- CONTRACTOR TO SLOPE FLOOR OF A.D.L. BATH # 38D, LAUNDRY # 46, DISHWASHING # 39A, TUB ROOM # 55 AND TUB ROOM # 65. SEE FLUISING PLANS FOR FLOOR DRAINS FOR KITCHEN # 39. SLOPE FLOOR OF THESE ROOMS TO PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. ALSO, SLOPE FLOOR IN PATIENT TOILET ROOM SHOWERS AS SHOWN ON THE PLANS FOR POSITIVE DRAINAGE. RECESS SHOWER FLOOR SLABS AS REQUIRED TO PROVIDE COMPLETE POSITIVE DRAINAGE TO SHOWER DRAIN. SEE STRUCTURAL DRAWINGS FOR SHOWER RECESSED SLAB DETAILS.
- INTERIOR / EXTERIOR STRUCTURAL BEAMS TO BE UNRAIPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION # 2301 FOR DESCRIPTION OF TYPICAL (S11).
- INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO UNRAIPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION # 2301 FOR DESCRIPTION OF TYPICAL (S11).
- ALCOVES OPENING TO THE CORRIDORS SHALL HAVE SAME CORRIDOR FLOOR, WALL, AND CEILING FINISHES AS THE ADJACENT CORRIDOR.



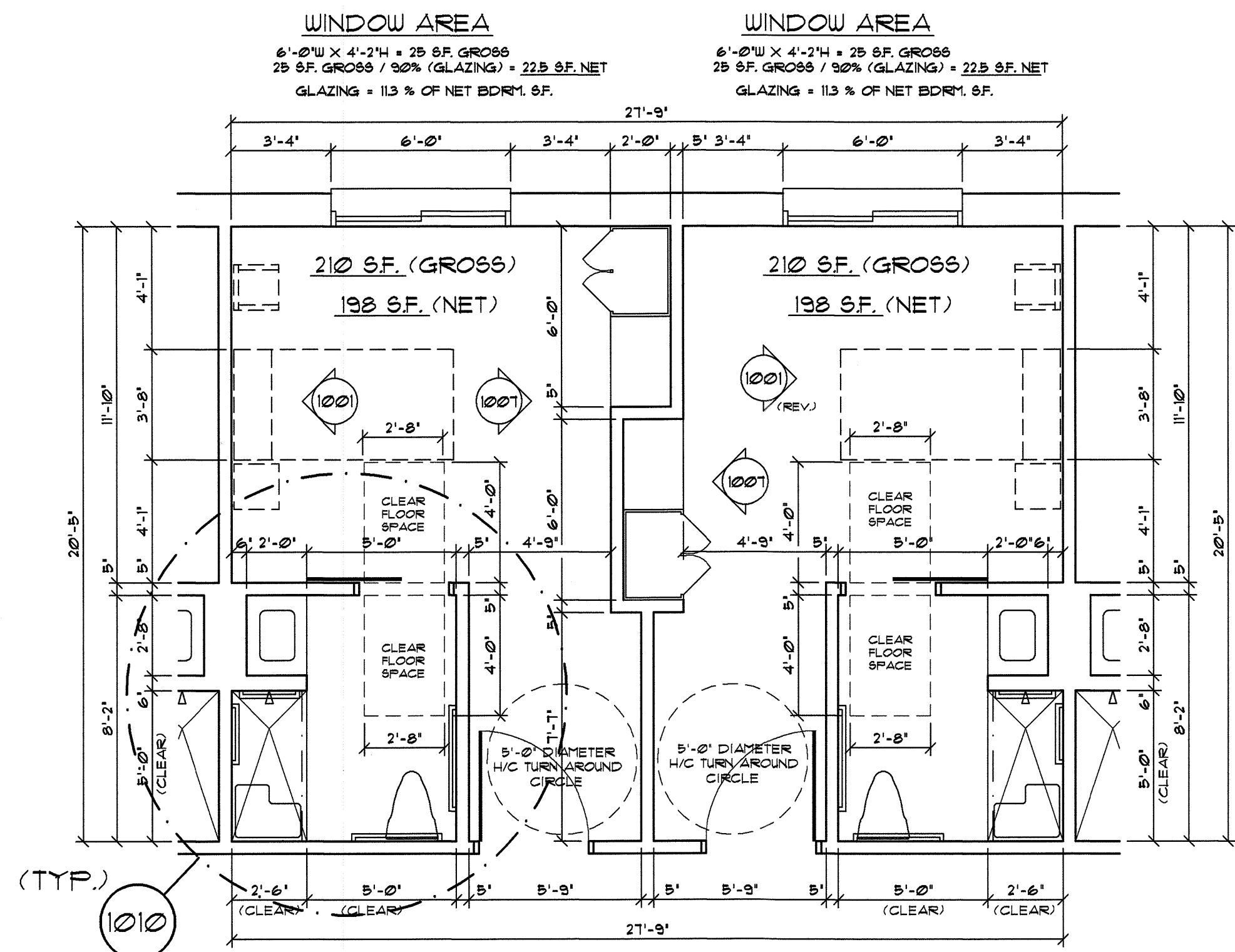
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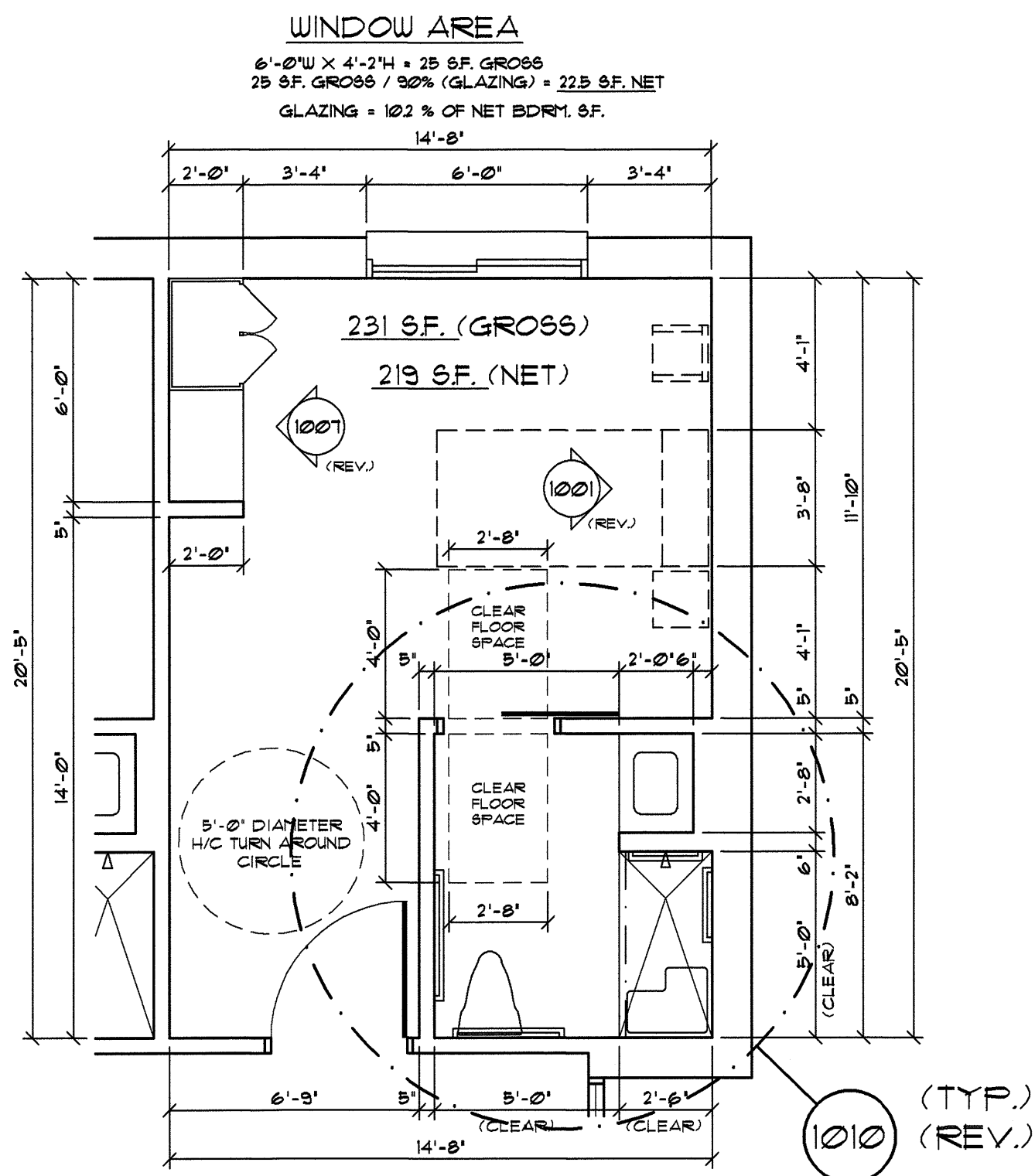
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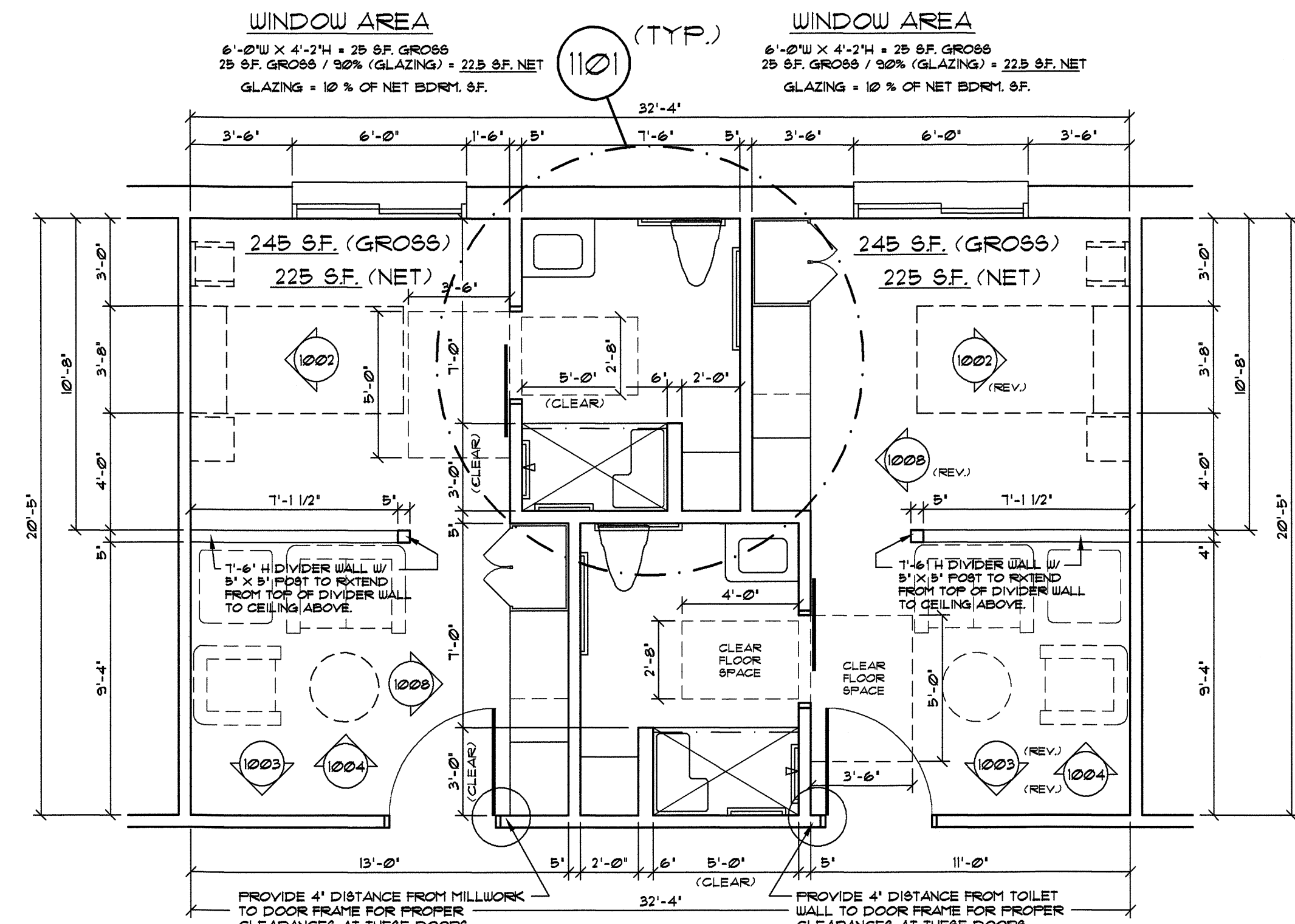
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601 FLOOR PLAN TYP. PRIVATE BEDROOM SUITE - TYPE ONE
SCALE: 1/4" = 1'-0"



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

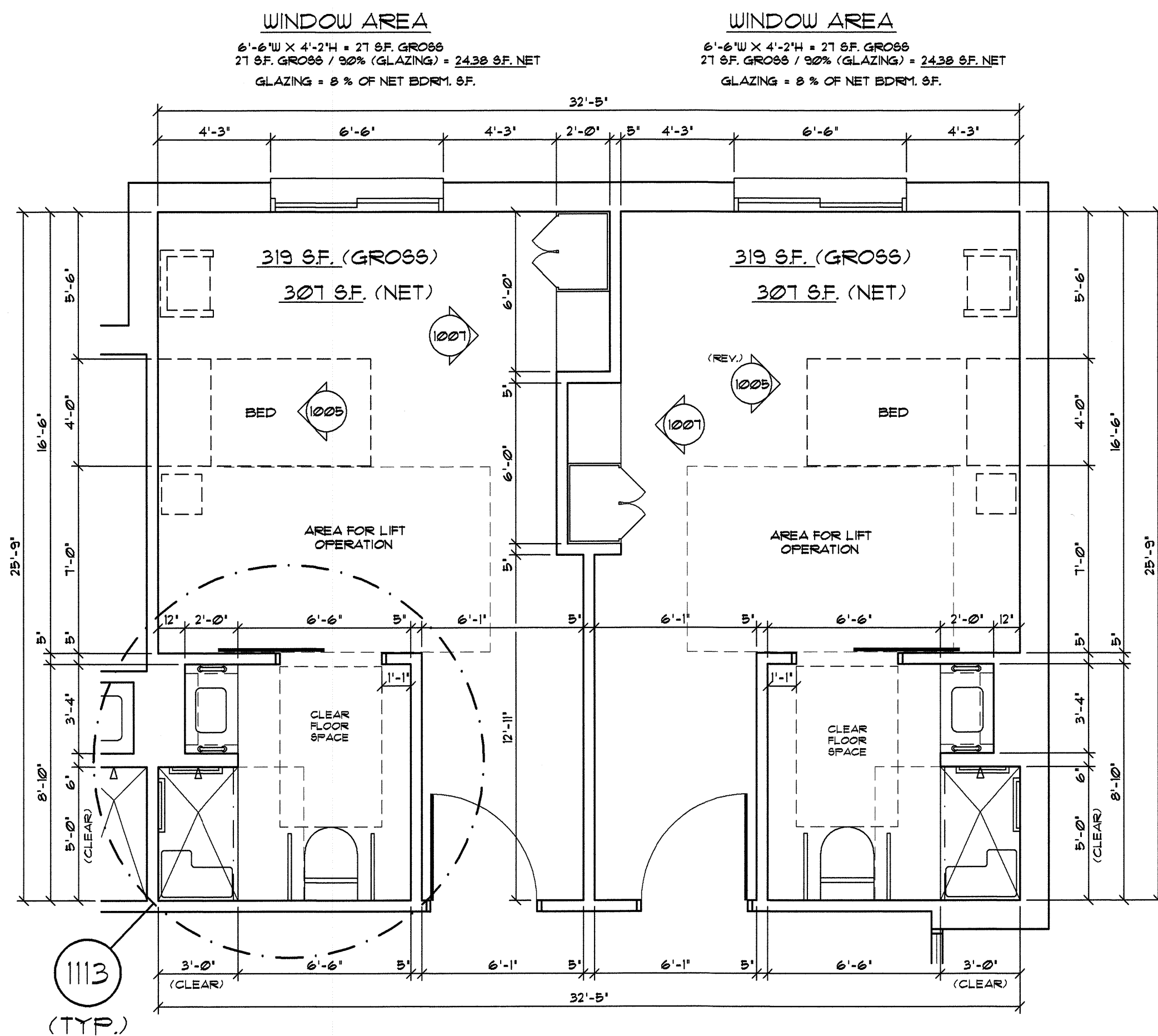


603 FLOOR PLAN TYP. PRIVATE BEDROOM SUITE - TYPE TWO
SCALE: 1/4" = 1'-0"

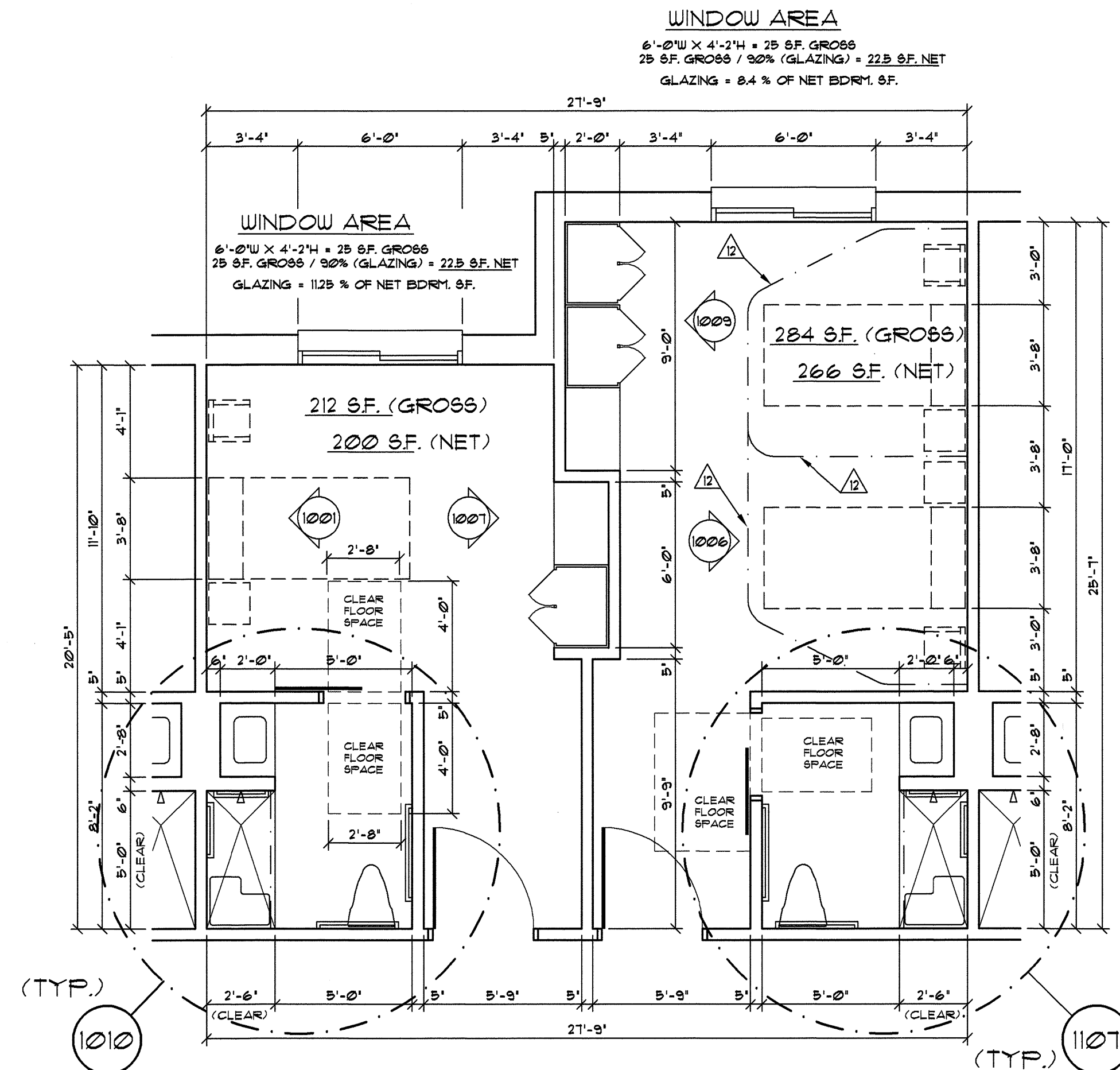
TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE			
Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 X 42"	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	17	SHOWER SEAT	SEACHROME	86R-320225 (NW)
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 X 24"	10	ROBE HOOK	MOEN	DN6803BN	18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B- 6806 X 36"	11	SHOWER CURTAIN ROD	BOBRICK	B- 6101	19	SHOWER SEAT W/ LEGS	SEACHROME	86R-320225 (NW)
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 X 12"	12	PRIVACY CURTAIN TRACK	ARNCO	1200	20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4938 G.B.
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4938	13	MOP HOOK RACK	BY OWNER	---	21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	---
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN	14	SHOWER SEAT	SEACHROME	86R-260225 (NW)	22	TOILET PARTITION SYSTEM	BOBRICK	SERIES 6CRC
7	TOILET PAPER DISPENSER	MOEN	DN6809BN	15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43295				
8	SOAP DISPENSER- WALL MNTD.	BY OWNER	INSTALL BY G.C.	16	TUB SEAT	BY OWNER	---				

TOILET ACCESSORY NOTES:

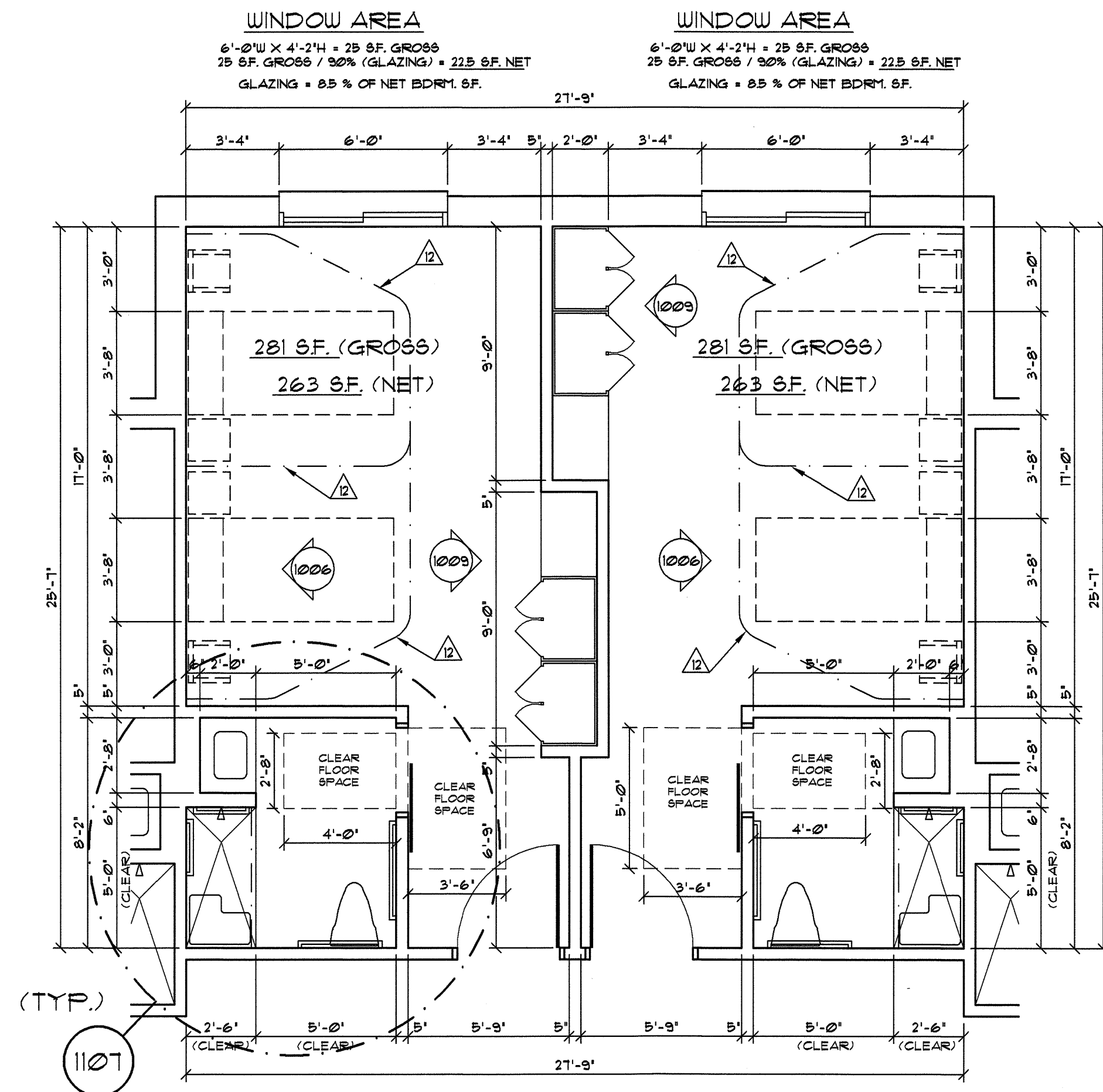
- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
- G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
- PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
- MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
- TOILET ACCESSORY ITEMS * 8, * 9, AND * 18 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. NO SUBSTITUTIONS ACCEPTED.
- MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



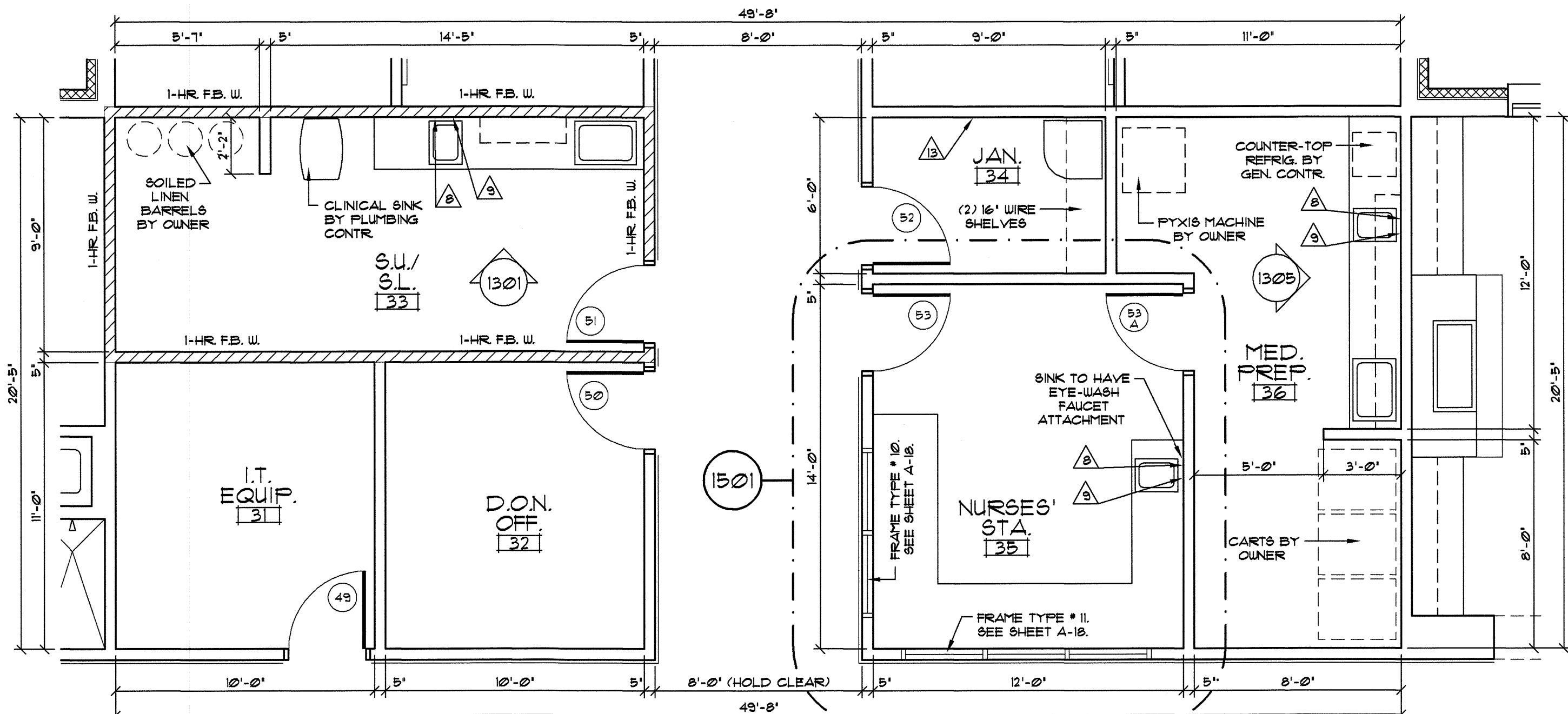
604 FLOOR PLAN TYPICAL PRIVATE BARIATRIC SUITE
SCALE: 1/4" = 1'-0"



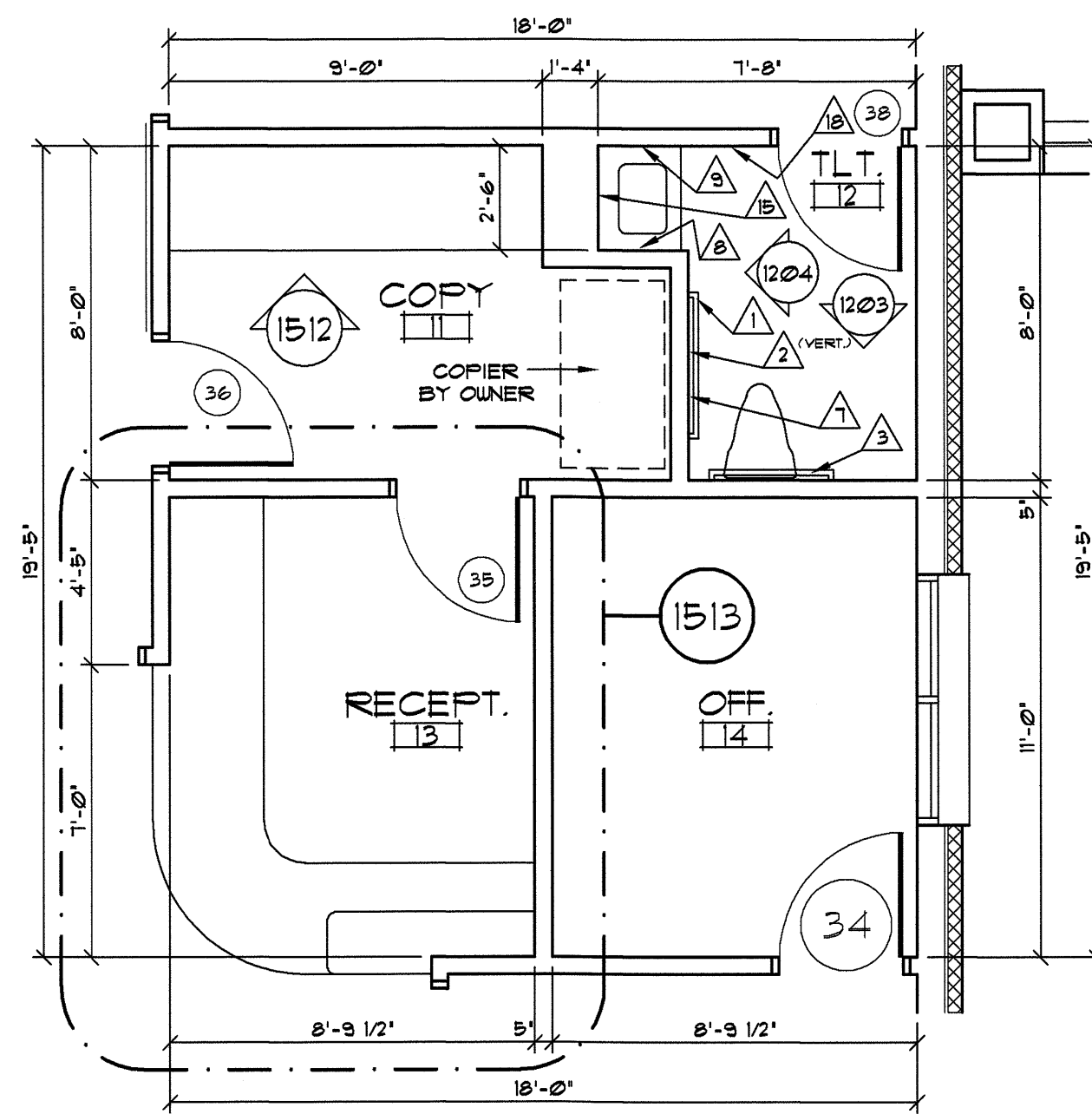
605 FLOOR PLAN HALF PRIVATE SUITE / HALF SEMI-PVT. BEDROOM SUITE
SCALE: 1/4" = 1'-0"



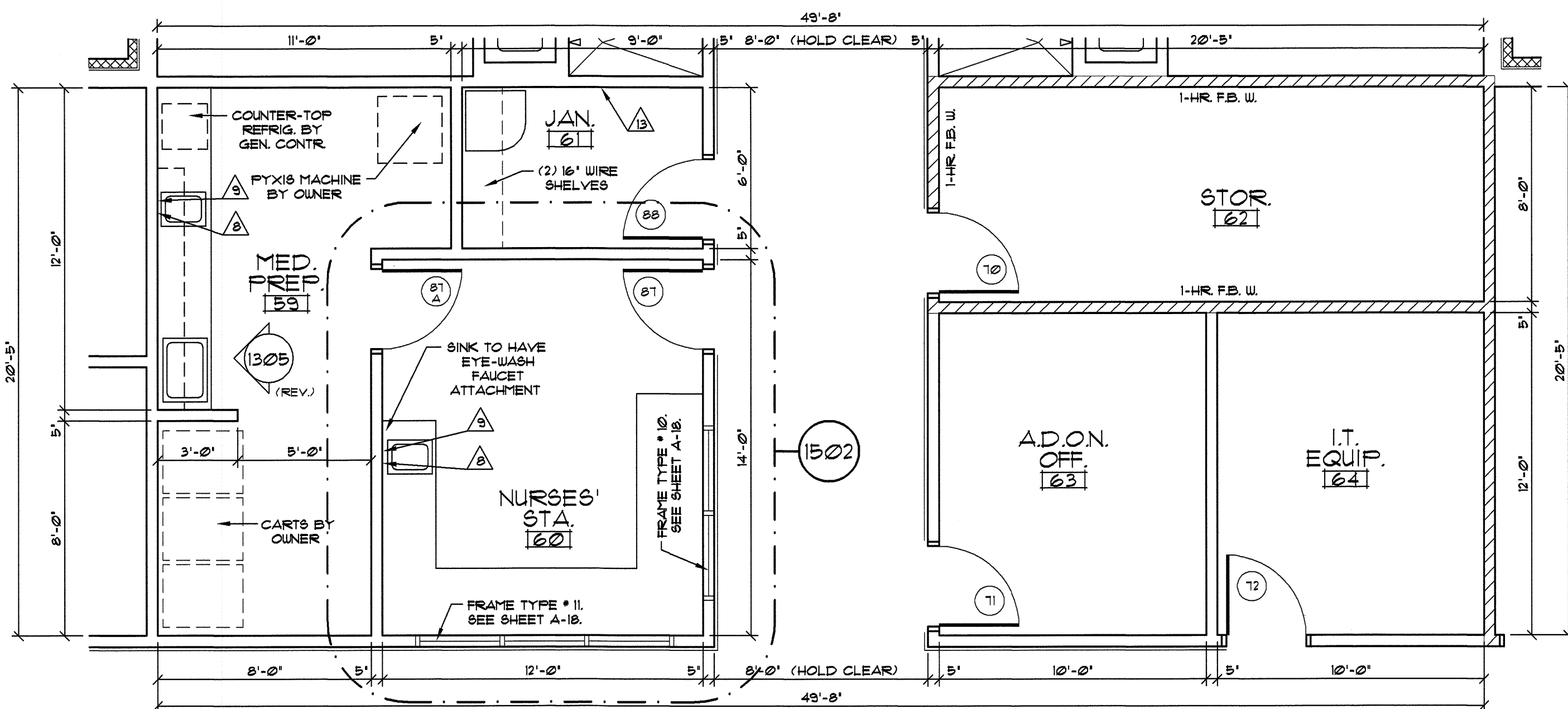
606 FLOOR PLAN TYPICAL SEMI-PRIVATE BEDROOM SUITE
SCALE: 1/4" = 1'-0"



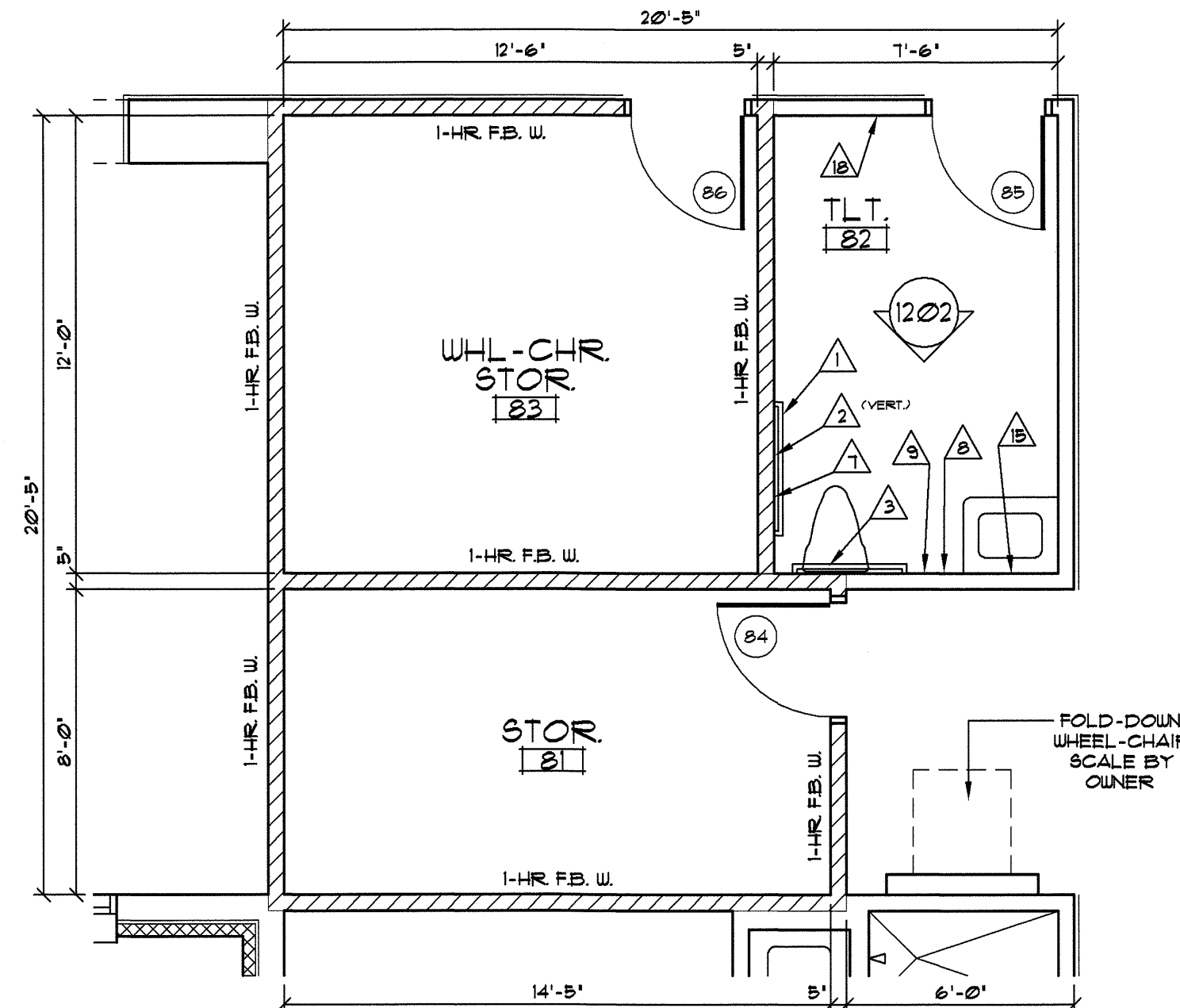
101 FLOOR PLAN LEFT SIDE NURSES' STATION # 35 AREA
SCALE: 1/4" = 1'-0"



102 FLOOR PLAN RECEPTION # 13
SCALE: 1/4" = 1'-0"



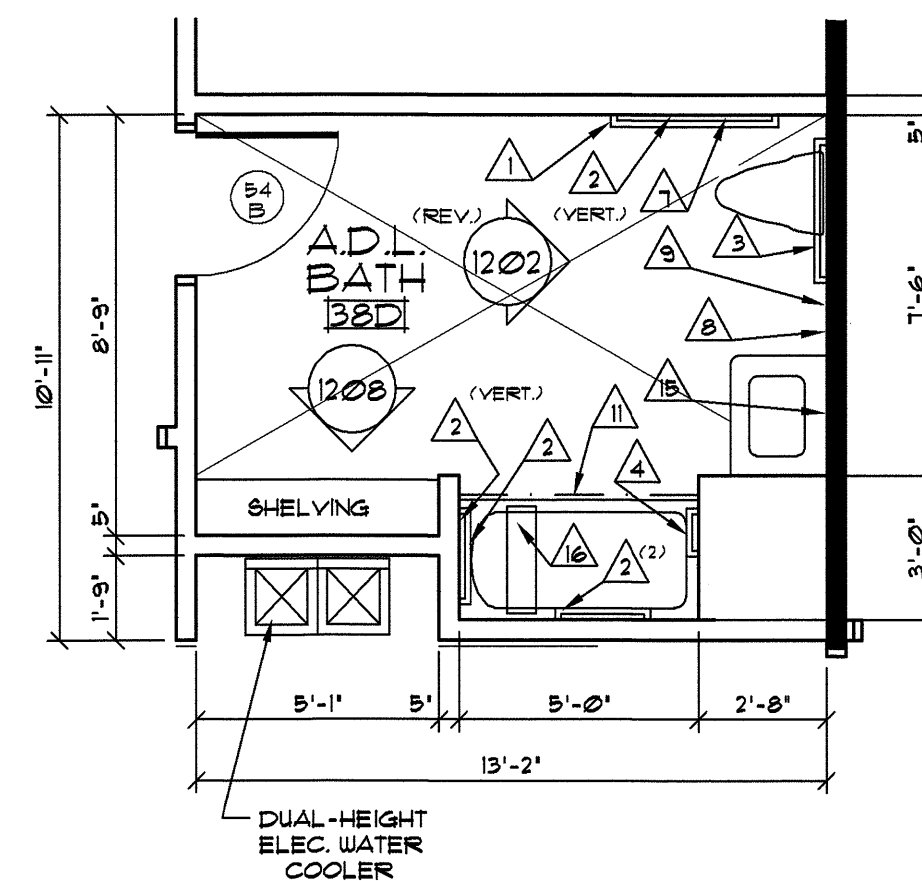
103 FLOOR PLAN RIGHT SIDE NURSES' STATION # 60 AREA
SCALE: 1/4" = 1'-0"



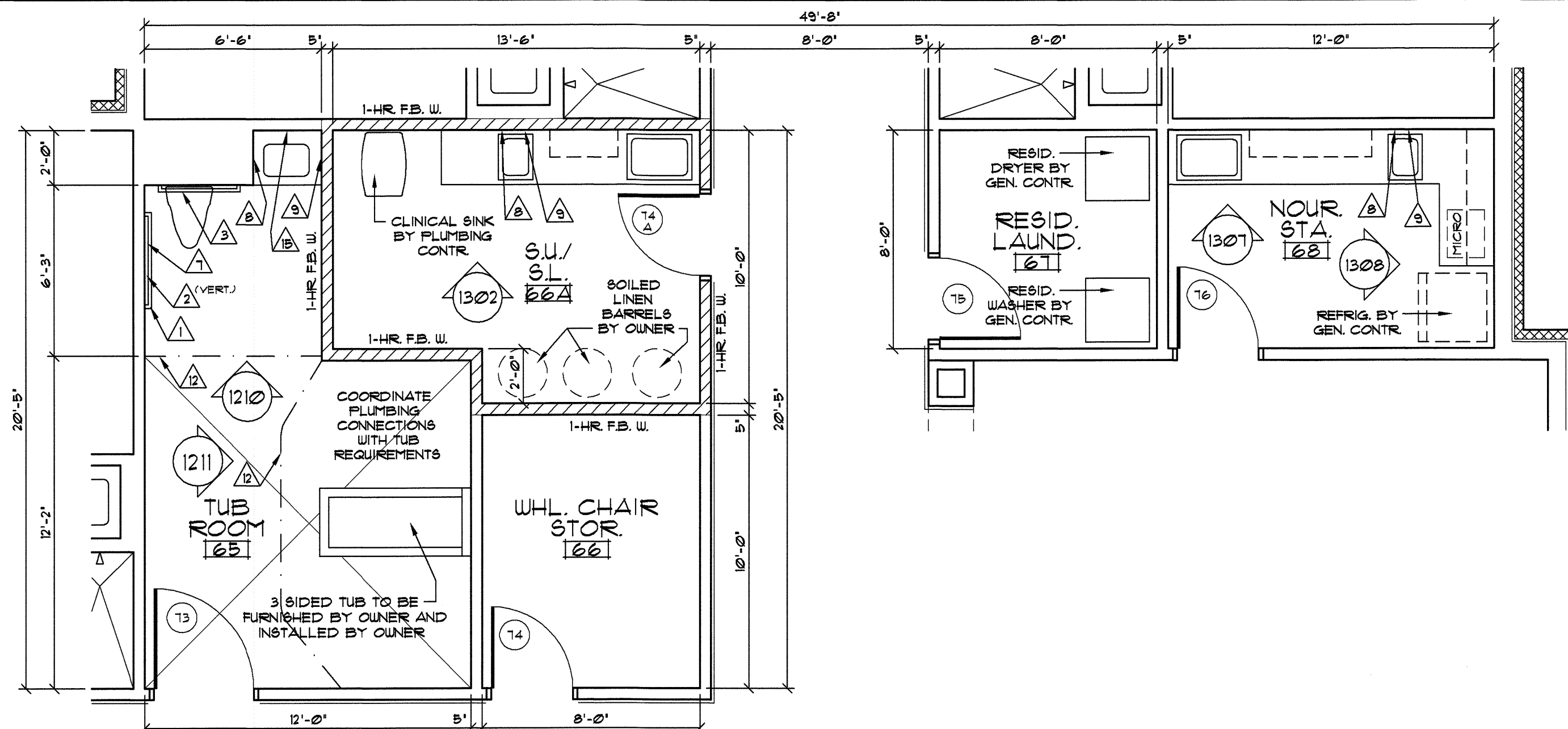
104 FLOOR PLAN RIGHT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES SCHEDULE			
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- SWING UP STYLE 29'	BOBRICK	B- 4998
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN
7	TOILET PAPER DISPENSER	MOEN	DN6808BN
8	SOAP DISPENSER- 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	66R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43295 SATIN NICKEL FINISH
16	TUB SEAT	BY OWNER	---
17	SHOWER SEAT	SEACHROME	66R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
19	SHOWER SEAT W/ LEGS	SEACHROME	66R2-320225 (NW)
20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	---
22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC

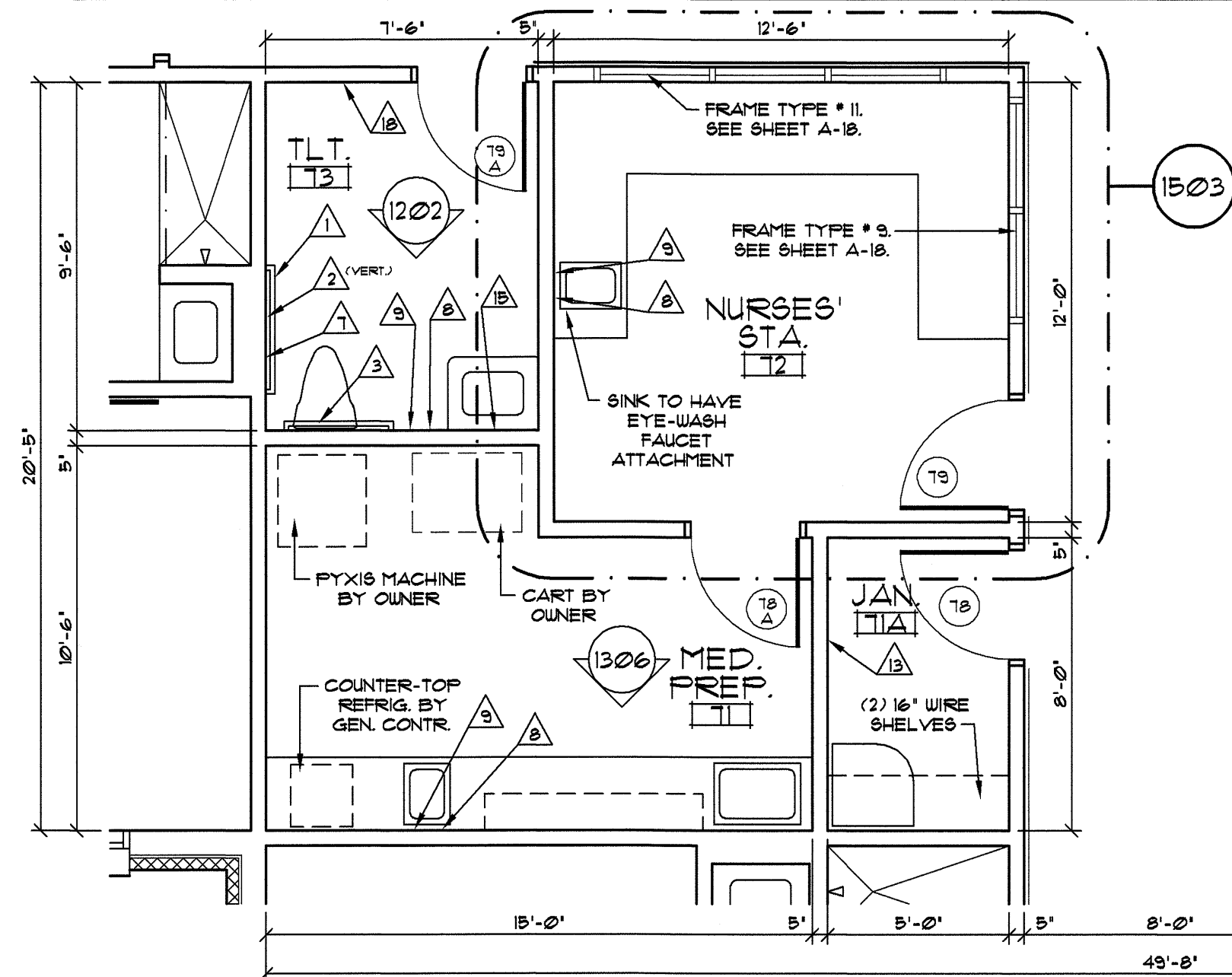
- TOILET ACCESSORY NOTES:**
- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
 - G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
 - PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
 - MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
 - TOILET ACCESSORY ITEMS * 8, * 9, AND * 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
 - TOILETS ACCESSORIES * 6, * 1, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
 - 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.



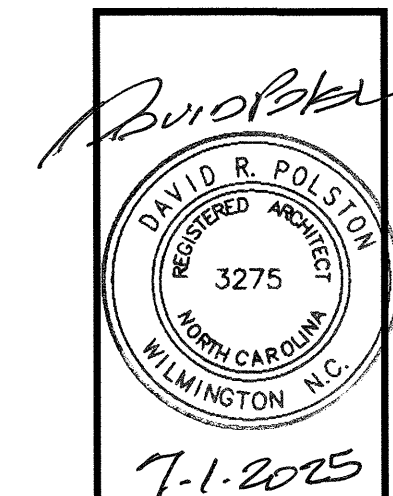
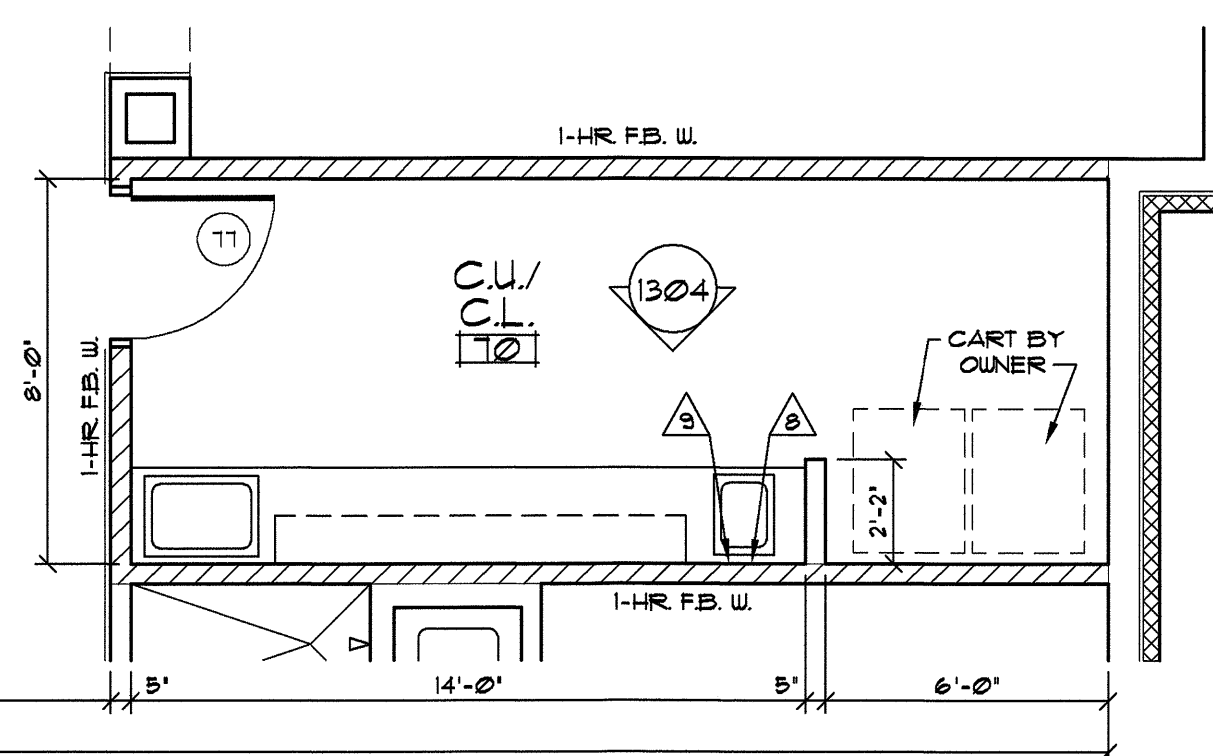
105 FLOOR PLAN AD.L. BATH # 38D
SCALE: 1/4" = 1'-0"



106 FLOOR PLAN ALZHEIMER UNIT STAFF SUPPORT / TUB ROOM AREA
SCALE: 1/4" = 1'-0"



107 FLOOR PLAN ALZHEIMER UNIT NURSES' STATION AREA
SCALE: 1/4" = 1'-0"

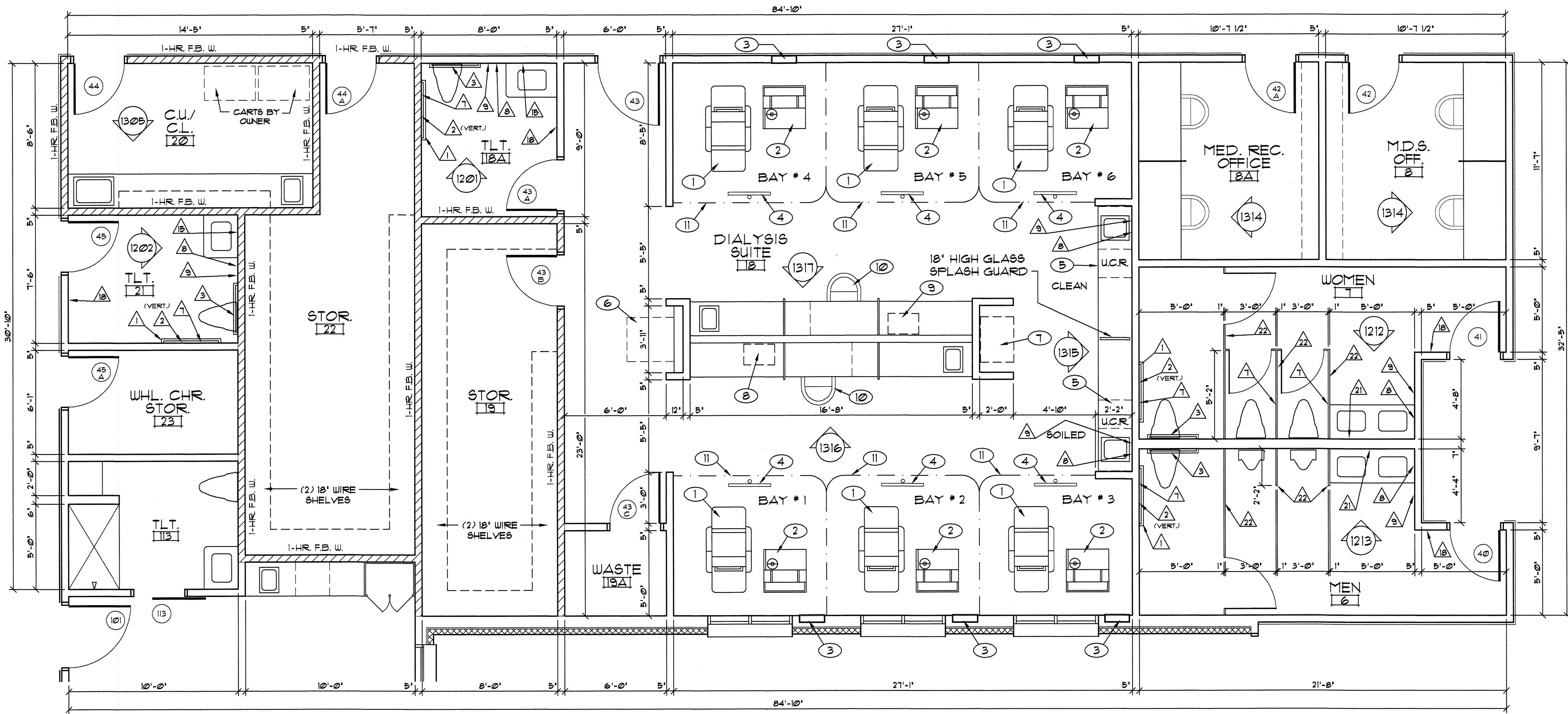


**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

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

125 BED
FACILITY

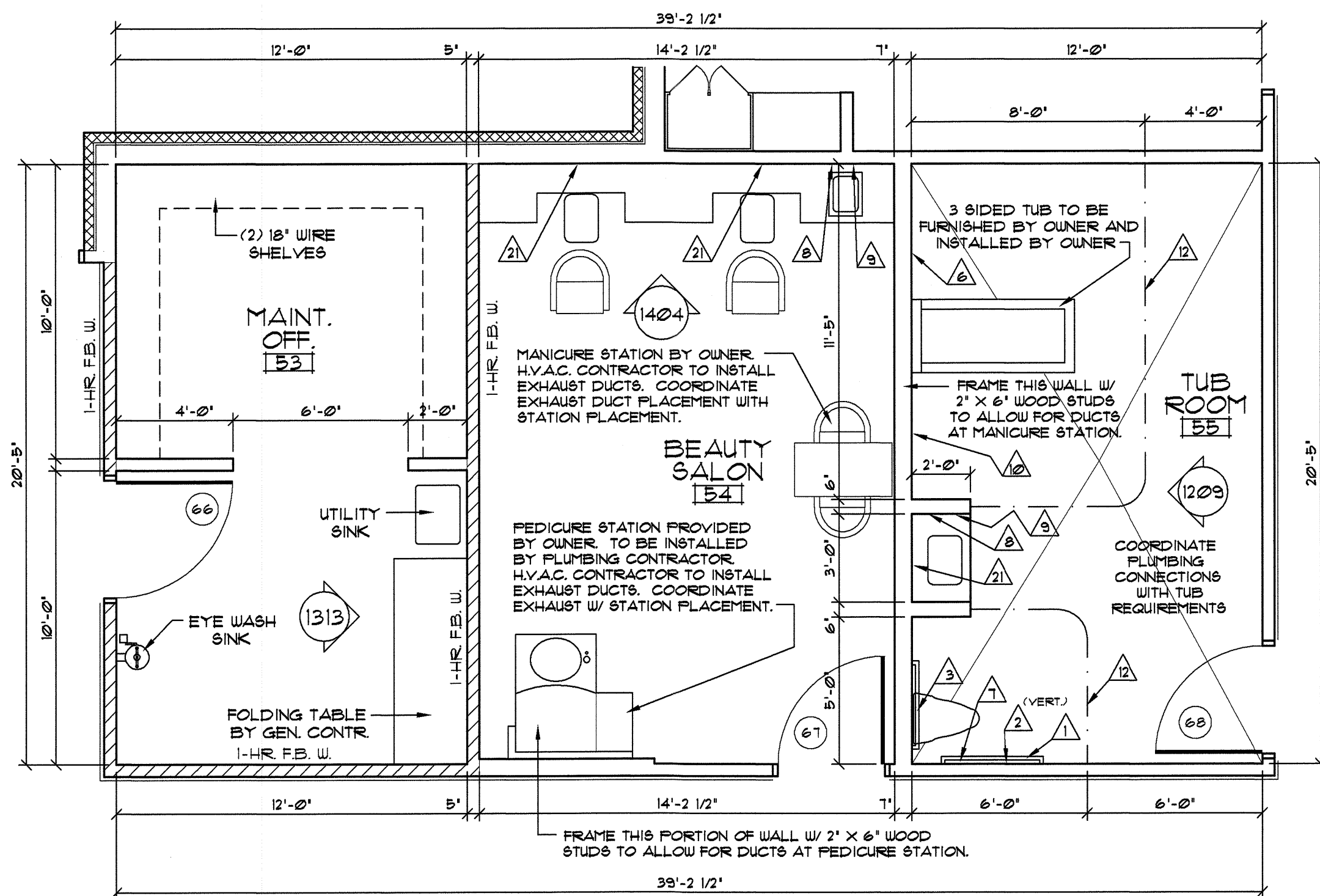
**A
7**



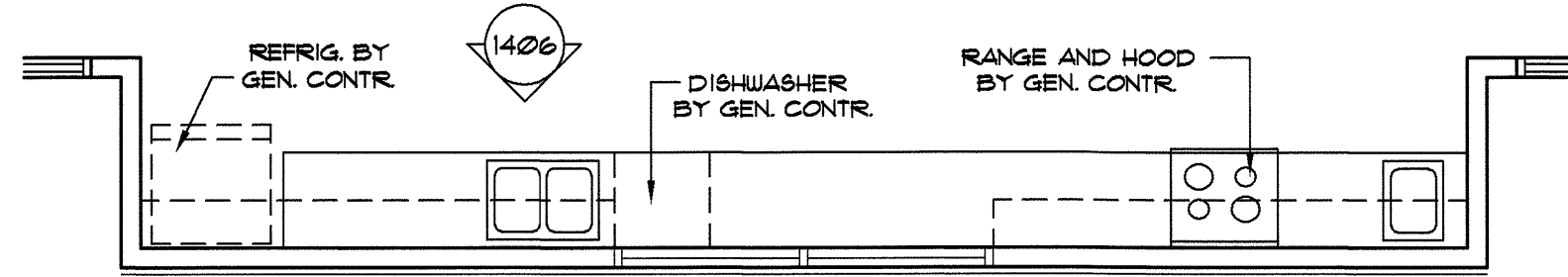
DIALYSIS DEN EQUIPMENT SCHEDULE							
NO.	ITEM DESCRIPTION	MANUFACTURER / MODEL	PROVIDER	NO.	ITEM DESCRIPTION	MANUFACTURER / MODEL	PROVIDER
1	DIALYSIS CHAIR	_____	DIALYSIS PROVIDER	7	MEDICAL CRASH CART	_____	OWNER
2	DIALYSIS CYCLER	DIALYSIS CYCLER	DIALYSIS PROVIDER	8	MULTI-FUNCTION COPIER	LEXMARK MX826ADXE	DIALYSIS PROVIDER
3	DOMESTIC WATER BOX	NX6TAGE APM40539NF	OWNER	9	LABEL PRINTER	ZEBRA PRINTER GK 420D	DIALYSIS PROVIDER
4	TV / TV MOUNT	_____	OWNER	10	DESK CHAIR	_____	OWNER
5	UNDERCOUNTER REFRIGERATOR	HISENSE LCT33D6A9E	OWNER	11	PRIVACY CURTAIN TRACK	_____	GEN. CONTRACTOR
6	WHEELCHAIR SCALE	_____	OWNER				

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

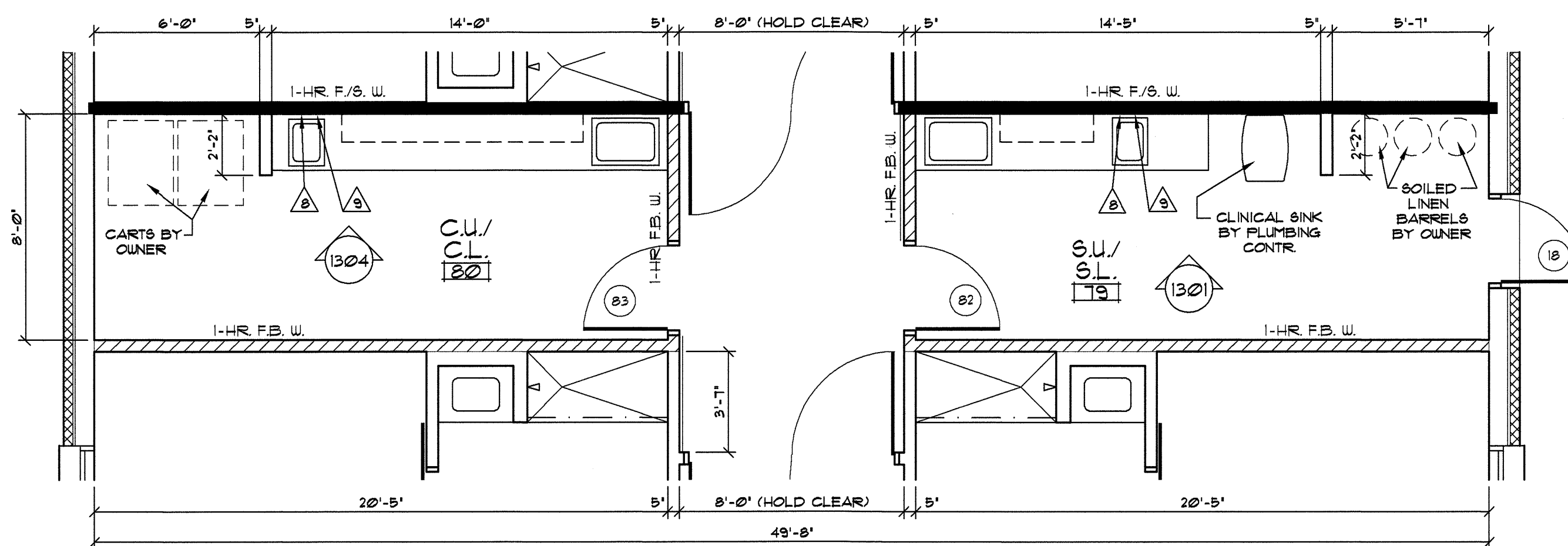
801 FLOOR PLAN PUBLIC TOILETS / DIALYSIS SUITE / LEFT SIDE STAFF SUPPORT
SCALE: 1/4" = 1'-0"



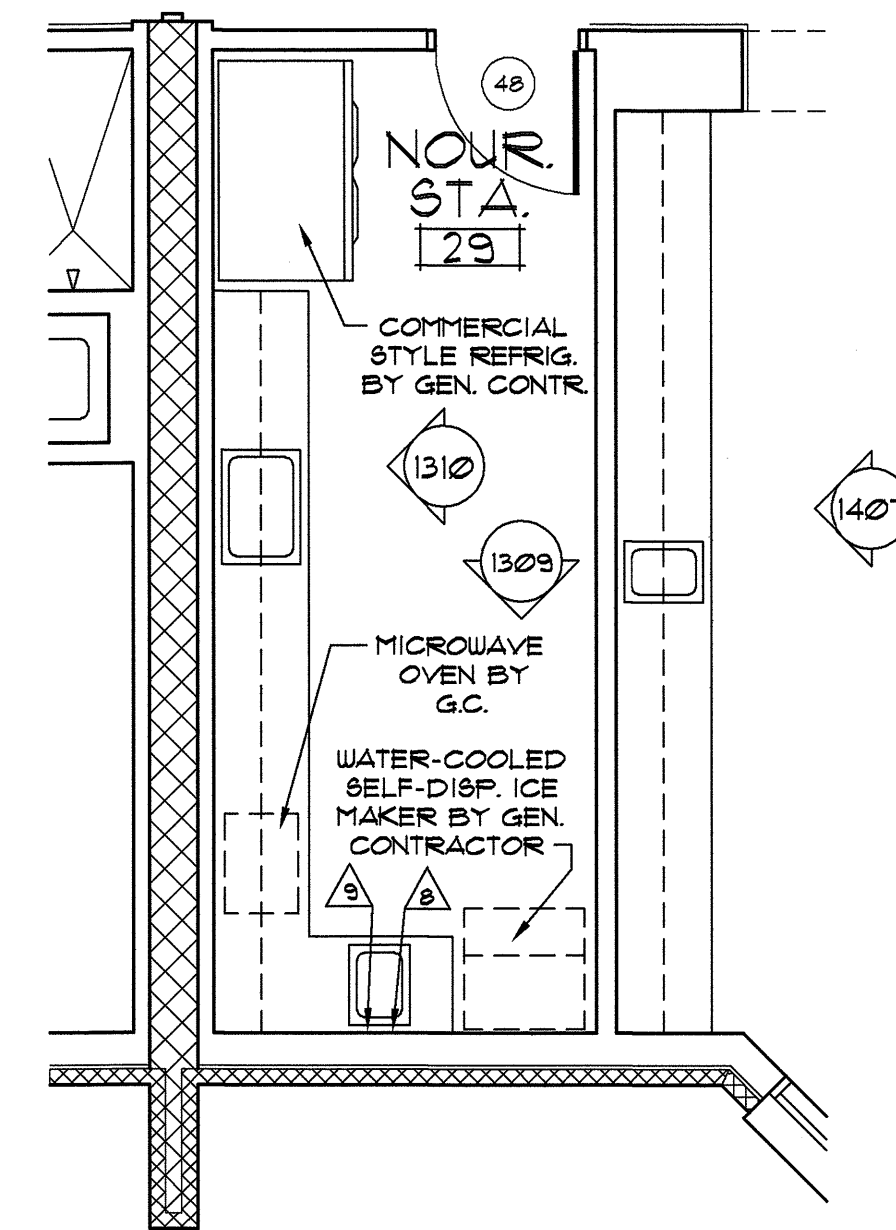
805 FLOOR PLAN BEAUTY SALON # 54 / TUB ROOM # 55
SCALE: 1/4" = 1'-0"



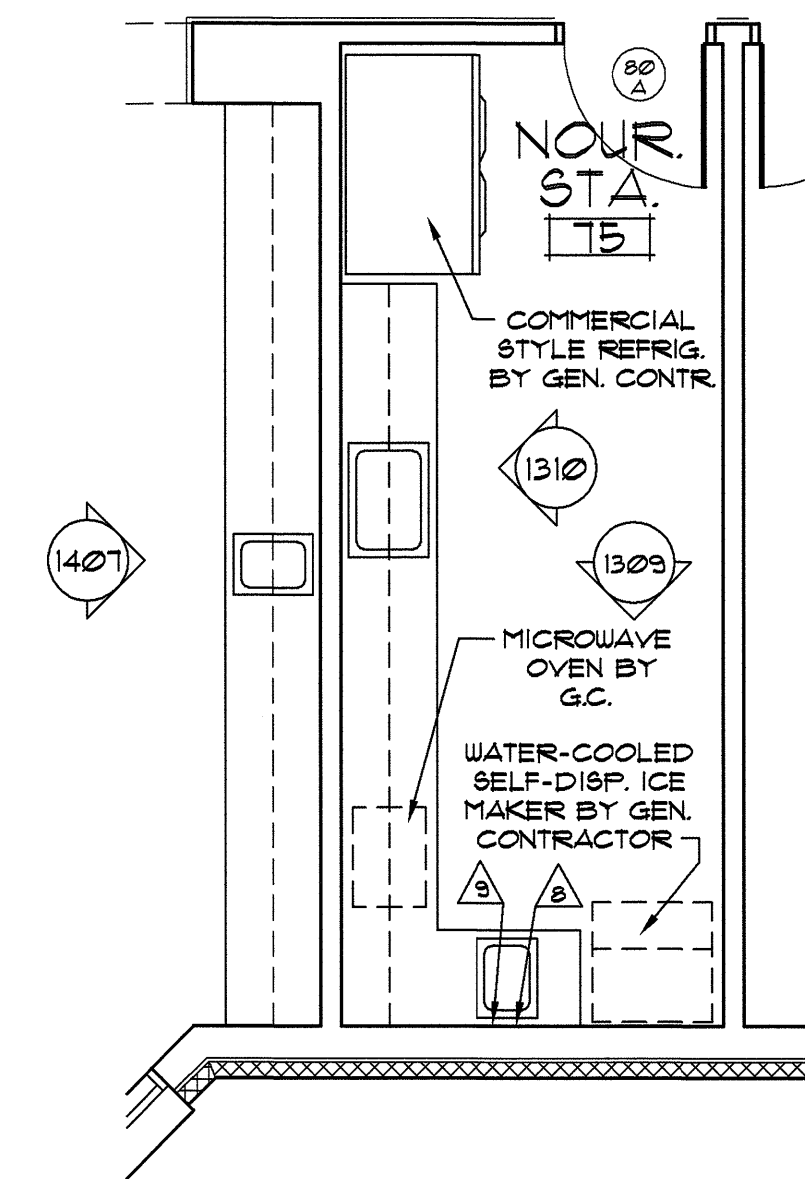
803 FLOOR PLAN PHYSICAL THERAPY # 38 - OCCUP. THERAPY MILLWORK
SCALE: 1/4" = 1'-0"



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

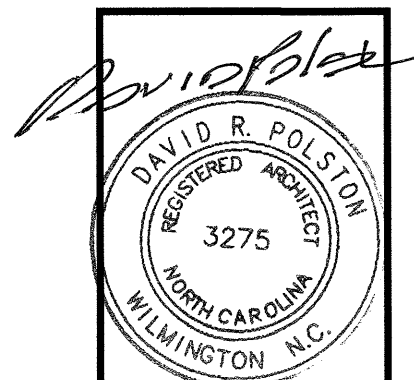


802 FLOOR PLAN NOUR. STATION # 29
SCALE: 1/4" = 1'-0"



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

SEE TOILET ACCESSORIES SCHEDULE ON SHEET A-7



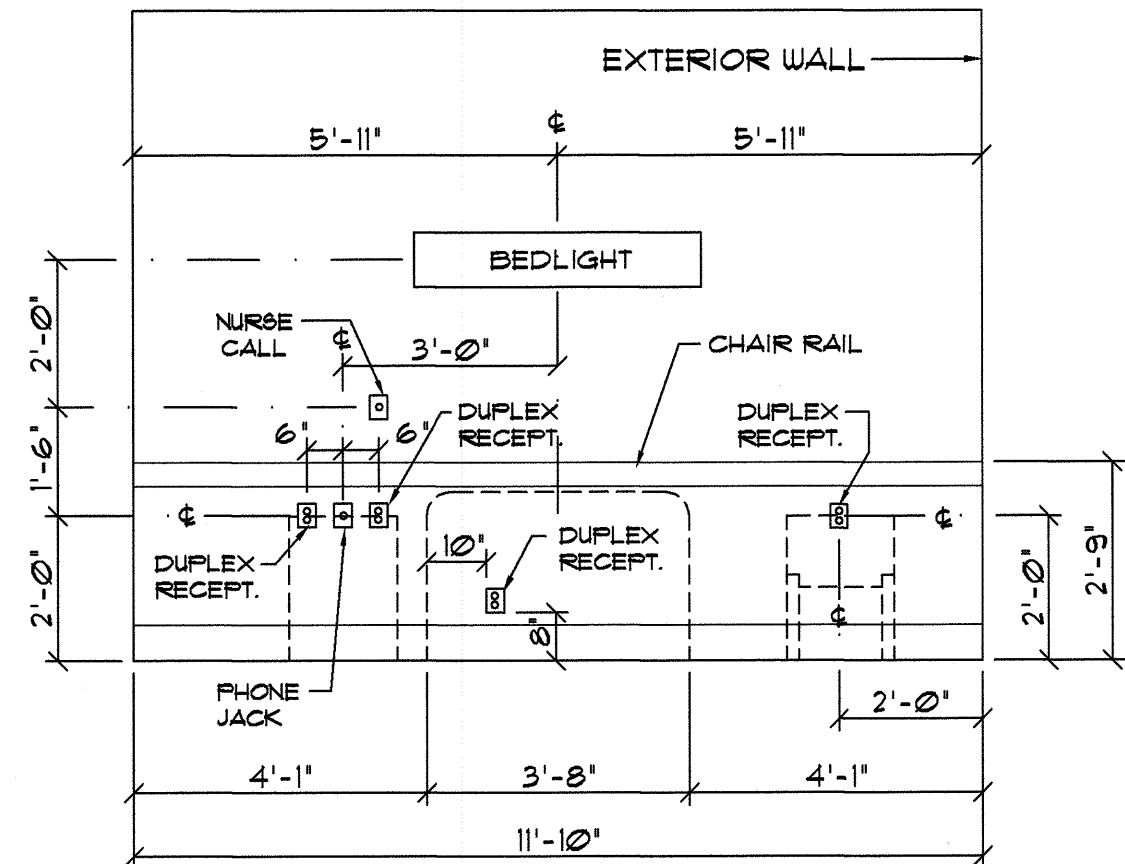
7-1-2025

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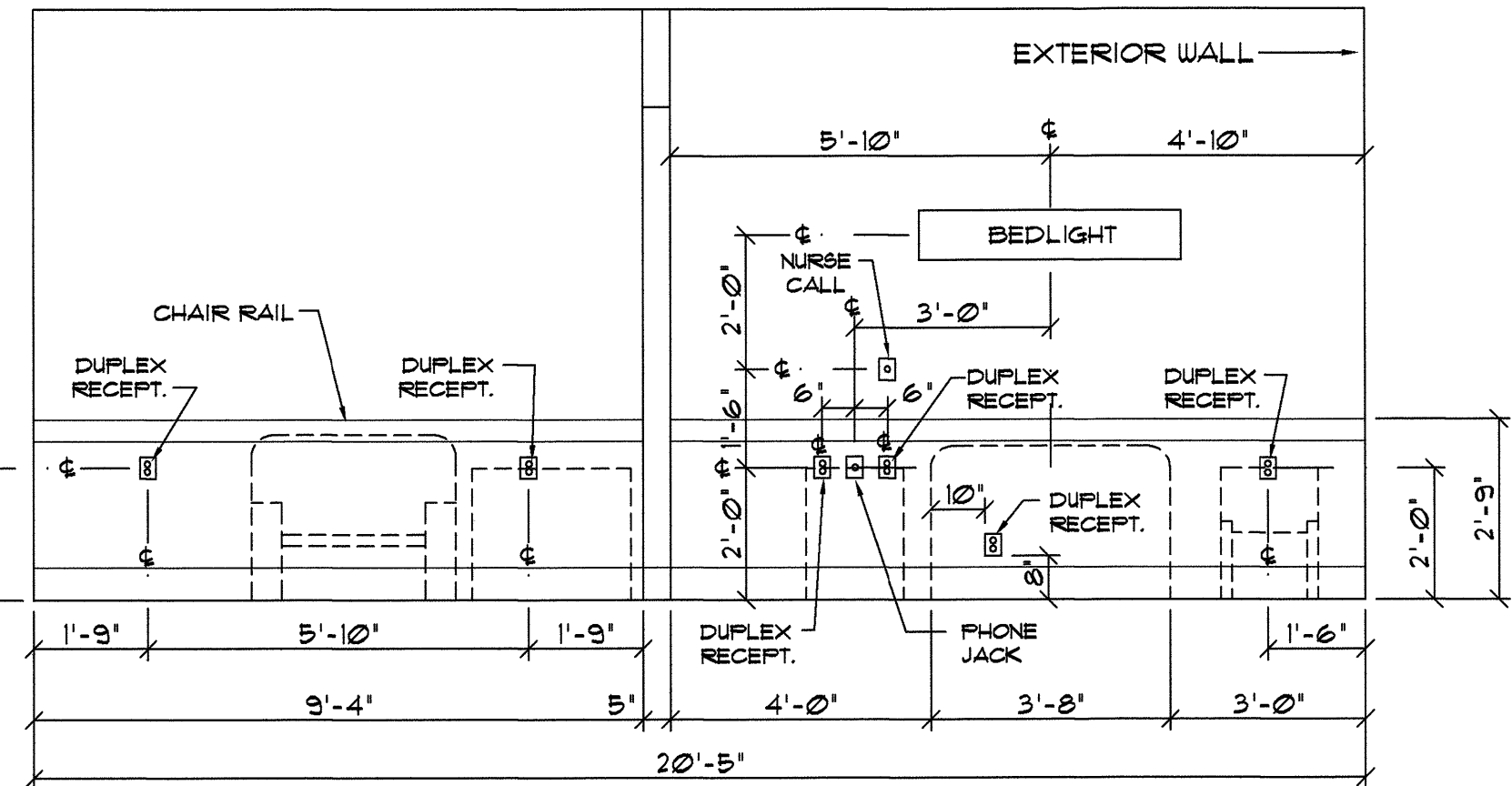
125 BED FACILITY

A 8



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

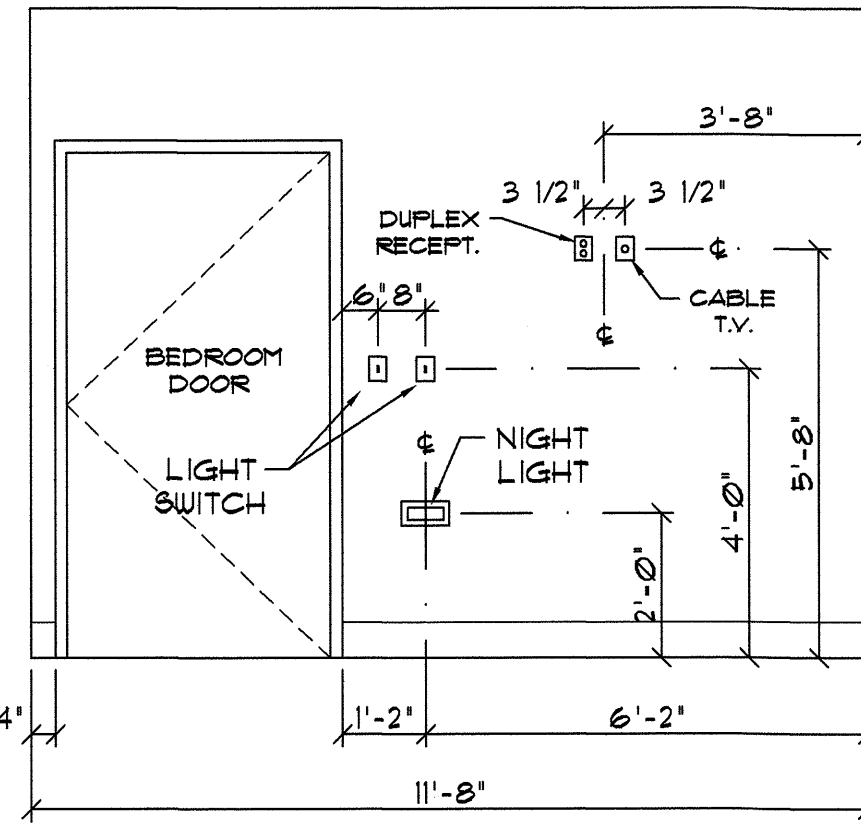
1001 ELEVATION TYPICAL BEDWALL AT PVT. BEDROOM TYPE ONE
SCALE: 3/8"=1'-0"



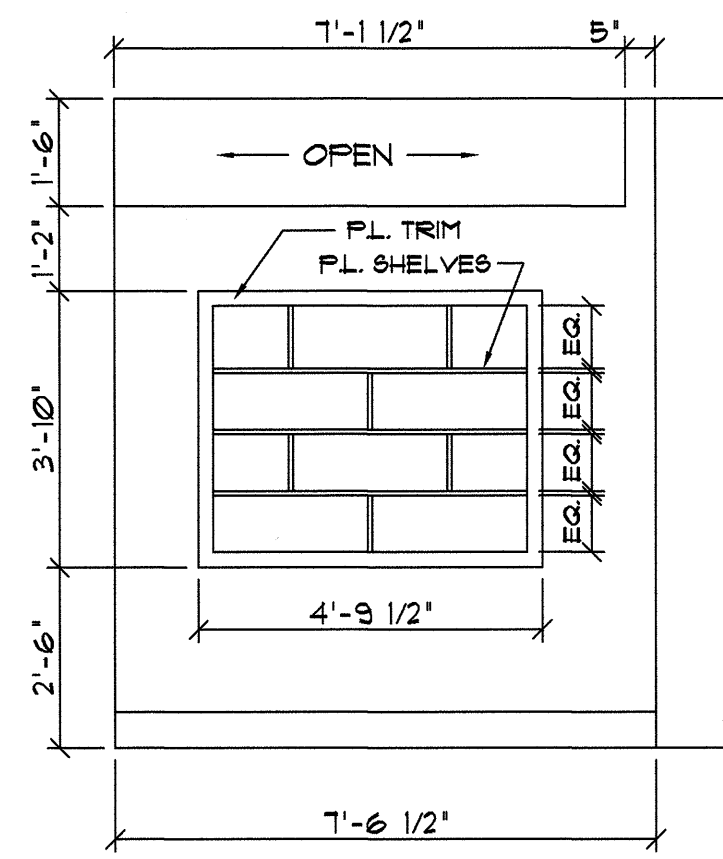
VERIFY ALL OUTLET PLACEMENT INCLUDING T.V. / CABLE WITH ELECTRICAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

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

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



1003 ELEVATION BEDROOM DOOR WALL AT PRIVATE BEDROOM TYPE TWO
SCALE: 3/8"=1'-0"



1004 ELEVATION DIVIDER WALL AT PRIVATE BEDROOM TYPE TWO (VERIFY DESIGN WITH INTERIOR DESIGNER.)
SCALE: 3/8"=1'-0"

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

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

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

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

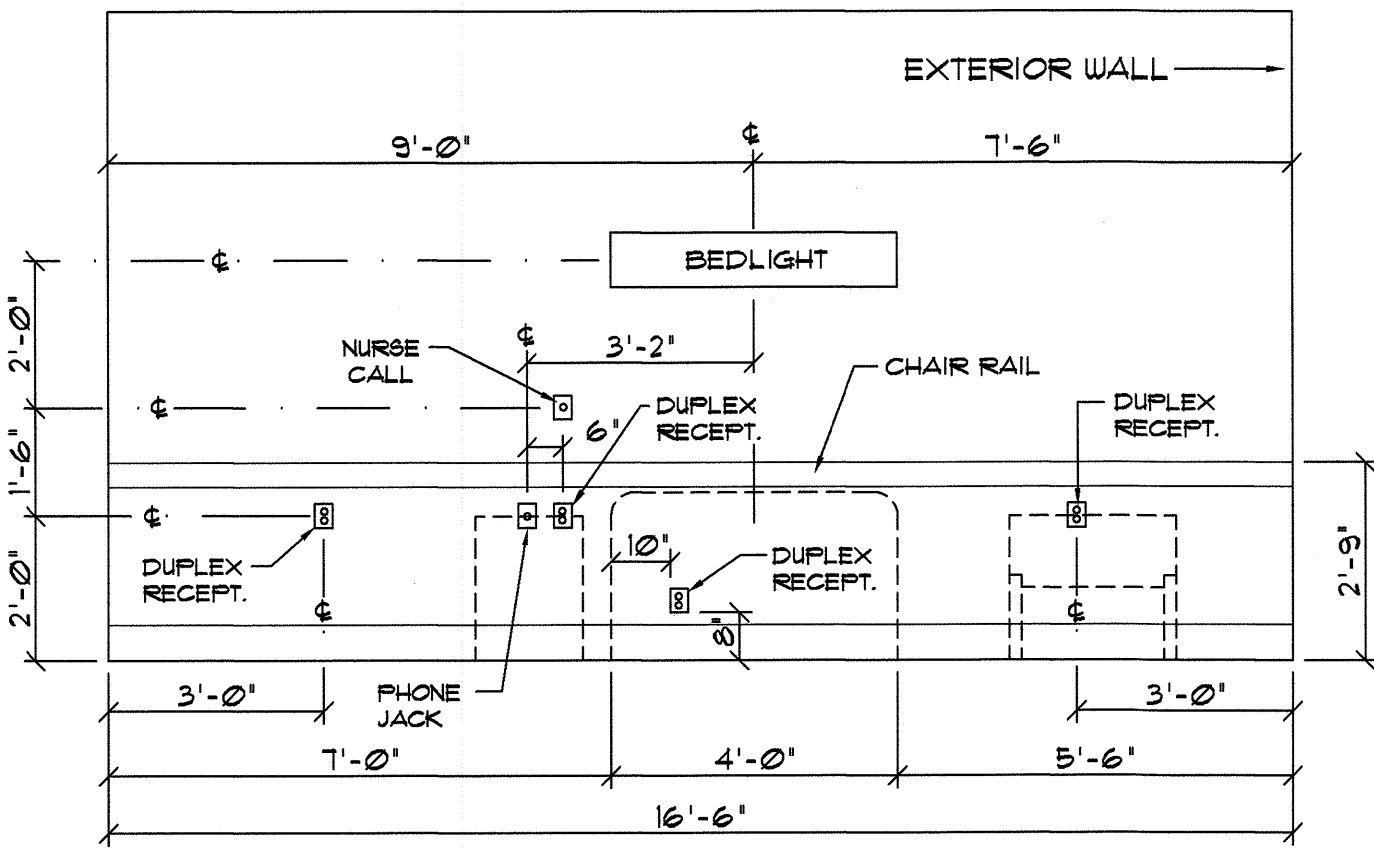
CONTRACTOR TO VERIFY AND COORDINATE LOCATIONS OF ELECTRICAL OUTLETS W/ OWNER PRIOR TO INSTALLATION.

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

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

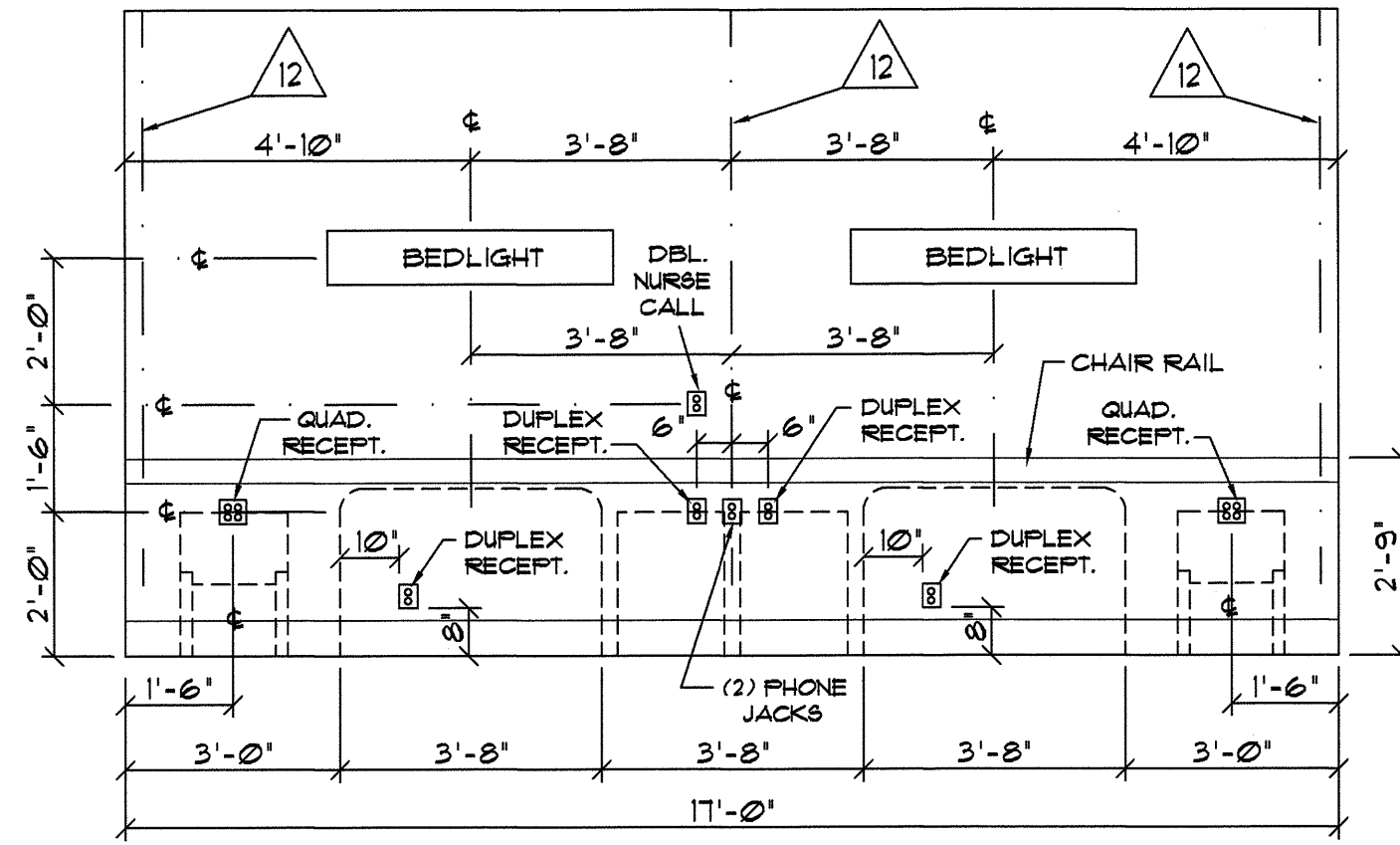
ELEVATIONS *1007, *1008, AND *1009 ARE BY OWNER. MILLWORK TO BE VERIFIED BY OWNER AND INTERIOR DESIGNER.

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



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

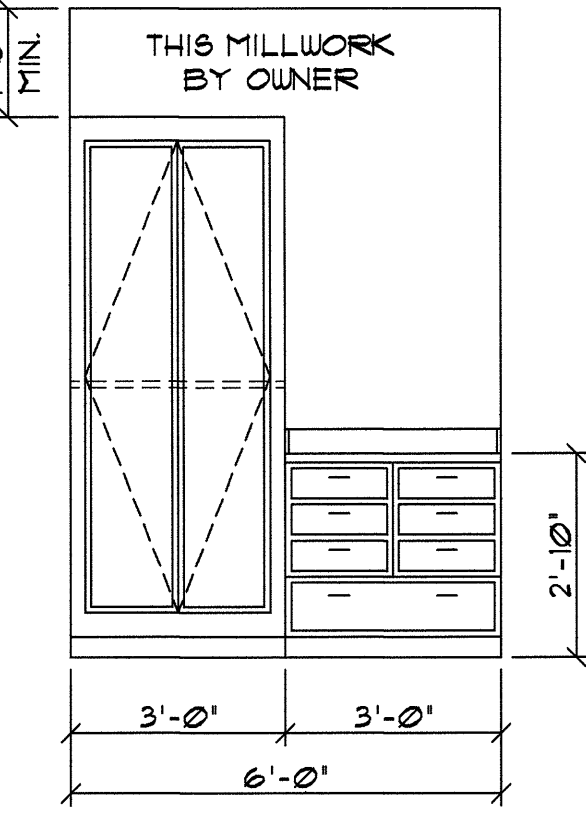
1005 ELEVATION TYPICAL BEDWALL AT PRIVATE BARIATRIC BEDROOM SUITE
SCALE: 3/8"=1'-0"



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

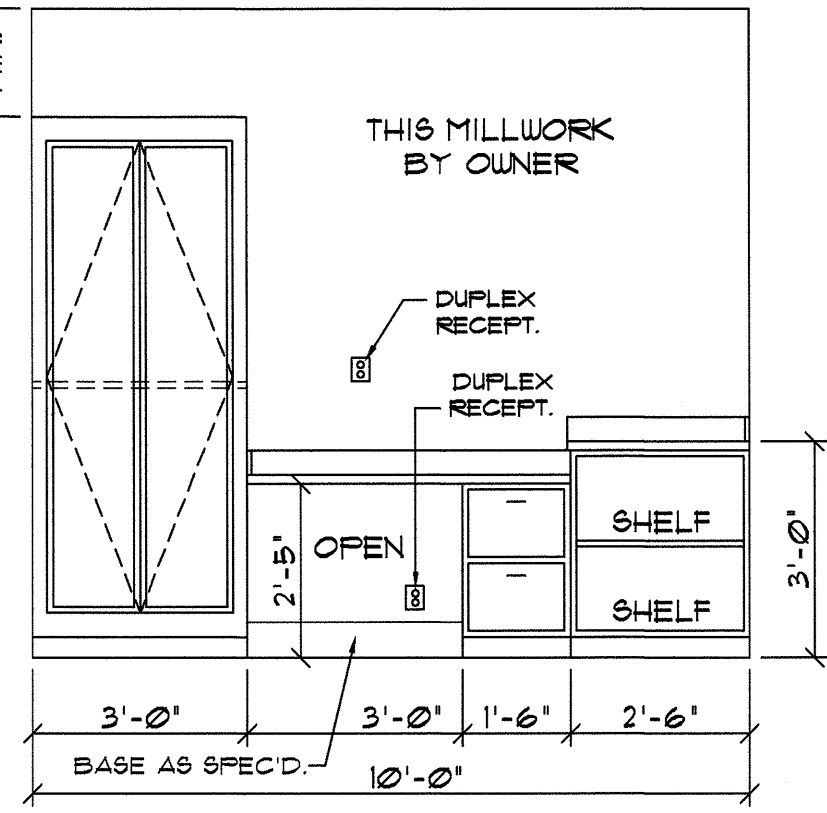
1006 ELEVATION TYPICAL BEDWALL AT SEMI-PRIVATE BEDROOM SUITE
SCALE: 3/8"=1'-0"

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



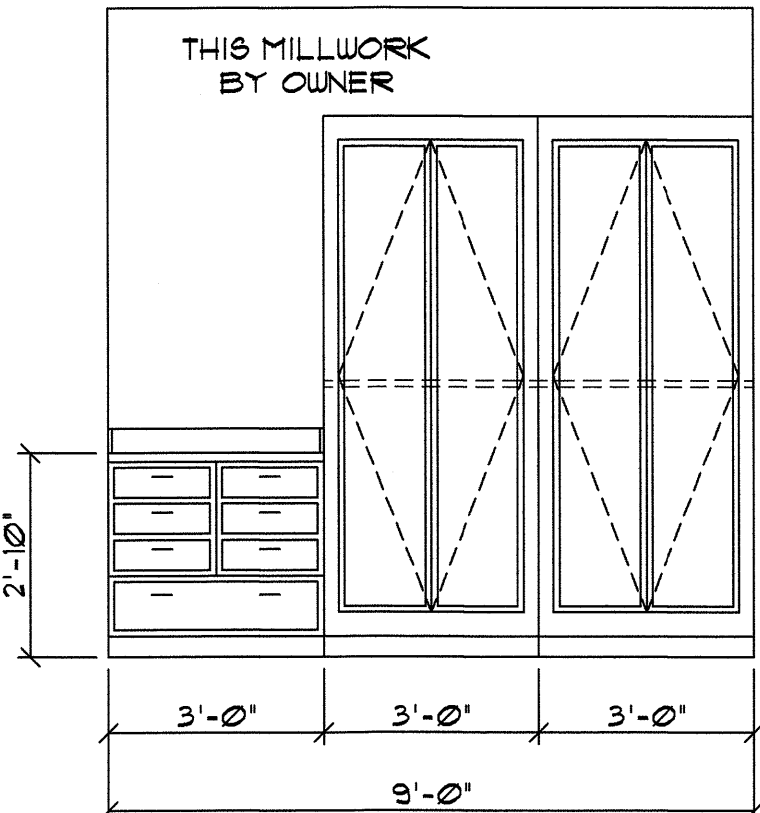
1007 ELEVATION TYPICAL MILLWORK AT PRIVATE BEDROOMS
SCALE: 3/8"=1'-0"

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



1008 ELEVATION TYPICAL MILLWORK AT PVT. BEDROOM TYPE TWO
SCALE: 3/8"=1'-0"

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



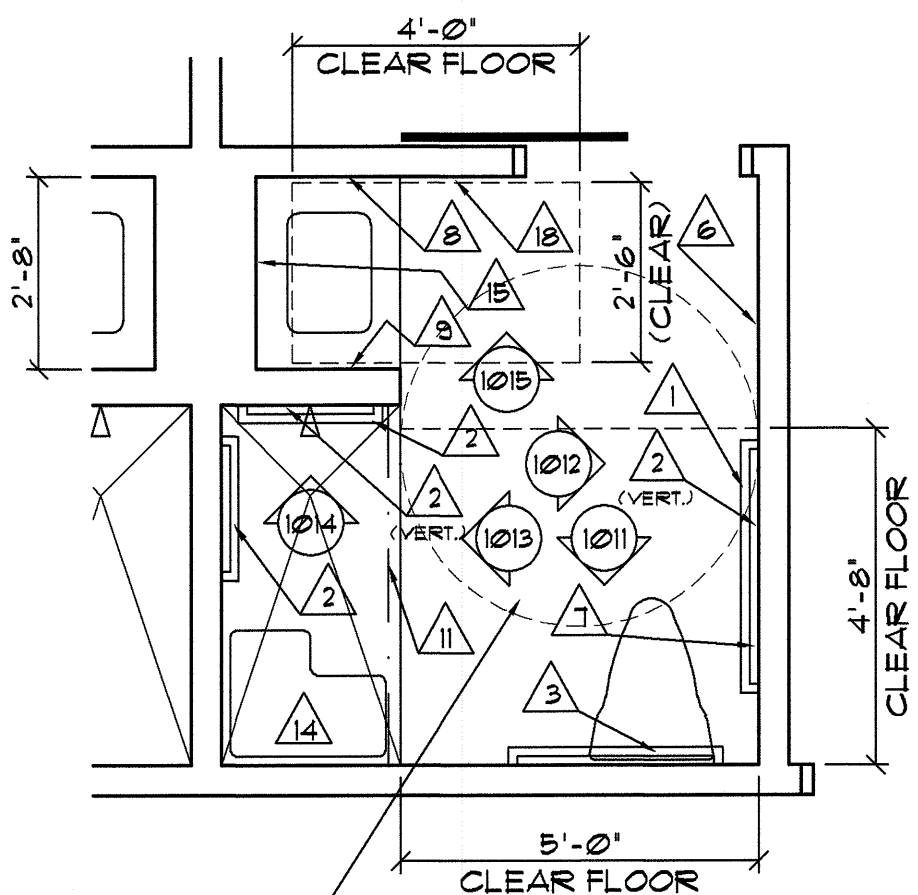
1009 ELEVATION TYPICAL MILLWORK AT SEMI-PRIVATE BEDROOM
SCALE: 3/8"=1'-0"

TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE			
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"	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	17	SHOWER SEAT	SEACHROME	88R-320225 (NW)
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"	10	ROBE HOOK	MOEN	DN6803BN	18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36"	11	SHOWER CURTAIN ROD	BOBRICK	B- 6101	19	SHOWER SEAT W/ LEGS	SEACHROME	88R2-320225 (NW)
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"	12	PRIVACY CURTAIN TRACK	ARNCO	1200	20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
5	GRAB BAR- SWING UP STYLE 29"	BOBRICK	B- 4998	13	MOP HOOK RACK	BY OWNER	—	21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	—
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN	14	SHOWER SEAT	SEACHROME	88R-260225 (NW)	22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC
7	TOILET PAPER DISPENSER	MOEN	DN6808BN	15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43295 BATH MIRROR FINISH				
8	SOAP DISPENSER- WALL MNTD.	BY OWNER	INSTALL BY G.C.	16	TUB SEAT	BY OWNER	—				

TOILET ACCESSORY NOTES:

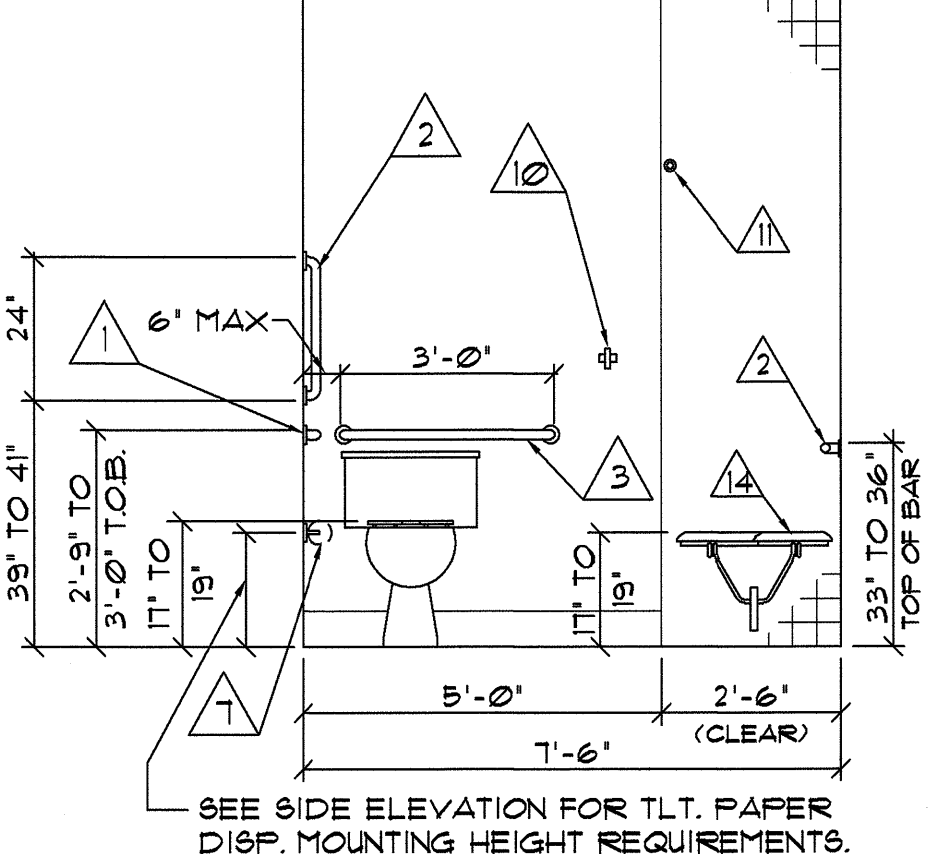
- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
- G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
- PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
- MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.

- TOILET ACCESSORY ITEMS * 8, * 9, AND * 18 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
- TOILET ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
- MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.

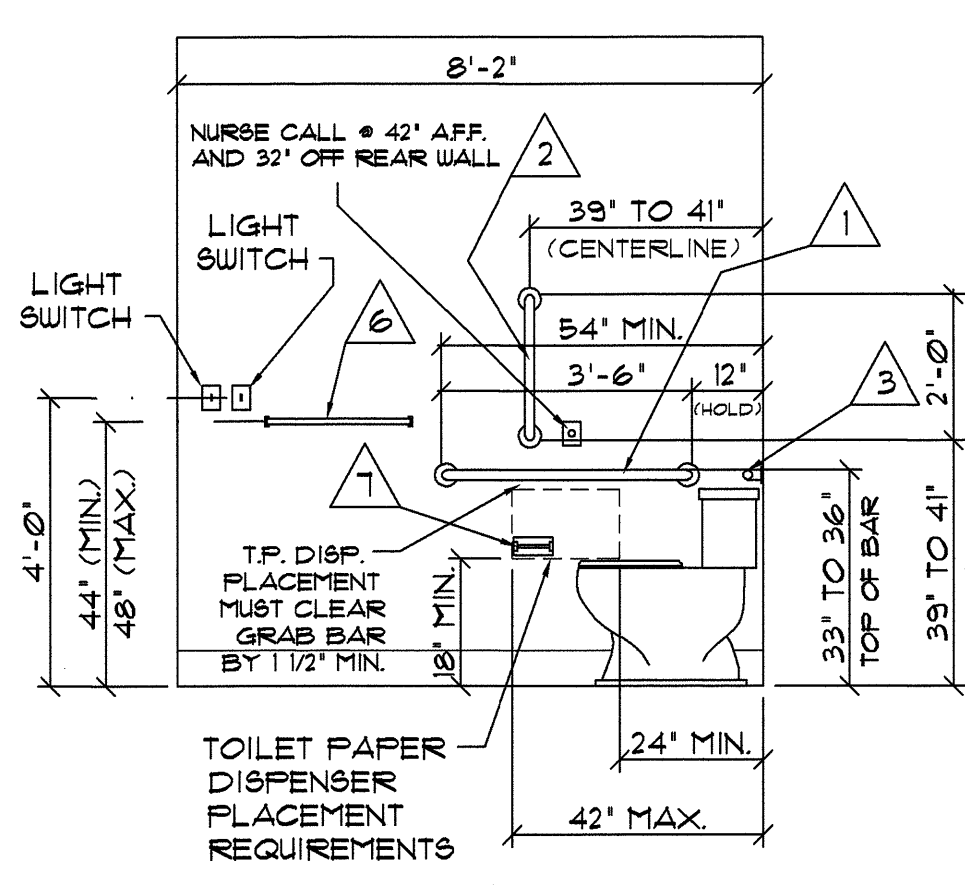


TYP. PVT. SUITE TYPE ONE TOILET ROOM

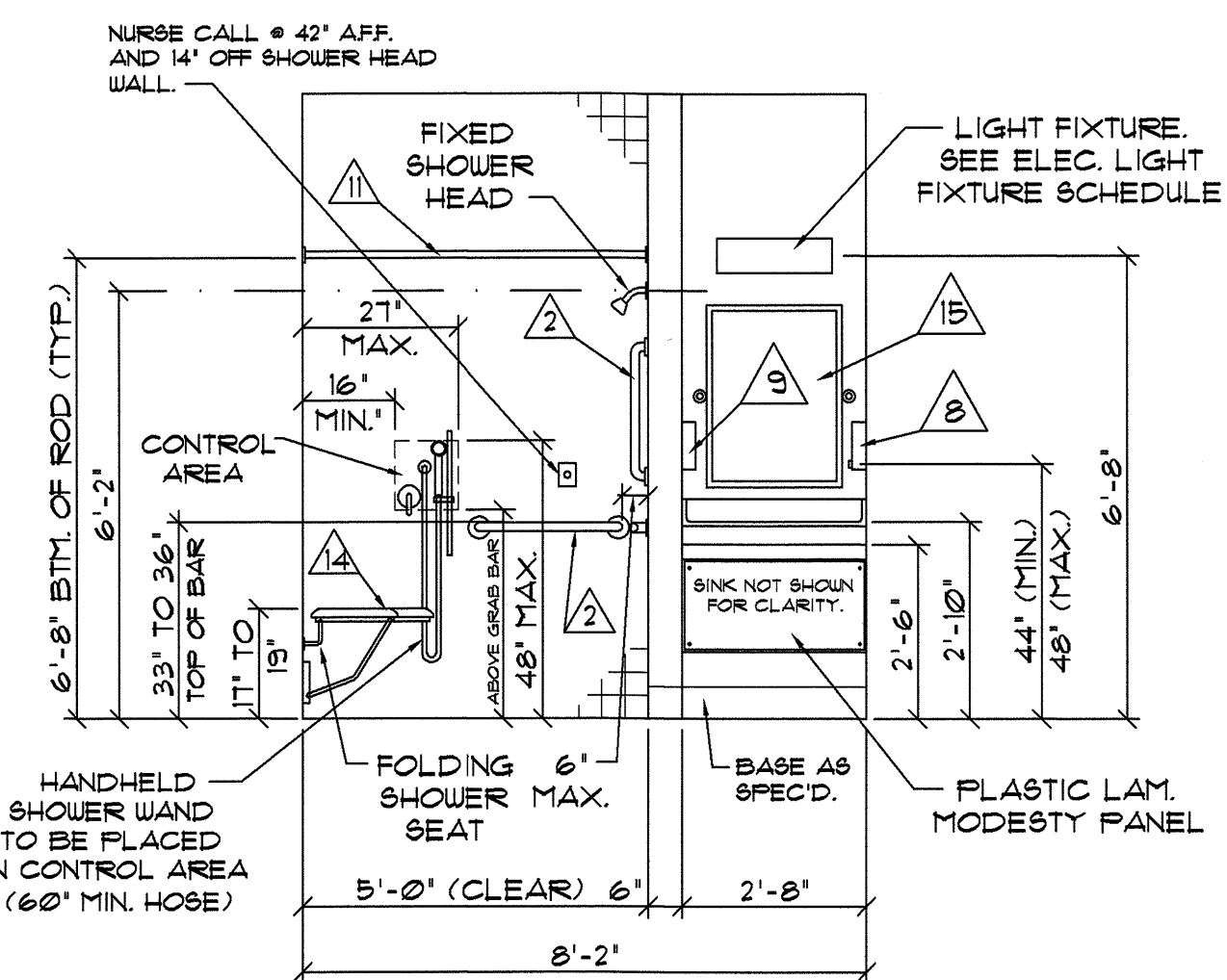
FLUSHING HANDLE FOR WATER CLOSET TO BE LOCATED ON THE WIDE SIDE OF THE TOILET ROOM.



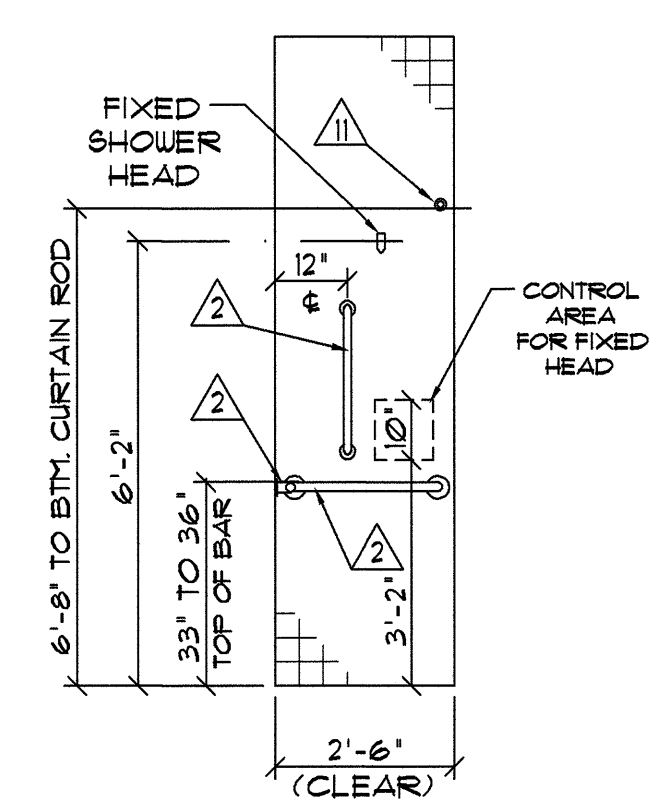
TOILET / SHOWER SEAT WALL AT TYPICAL BEDROOM SUITE TYPE ONE TOILET ROOMS



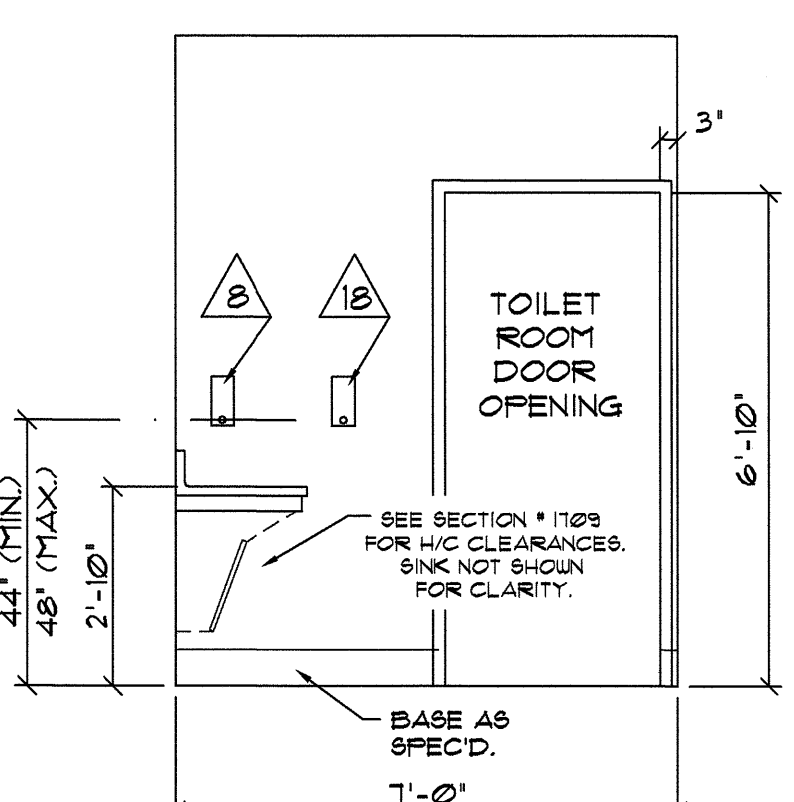
TYP. SIDE WALL AT WATER CLOSETS AT TYP. BEDROOM SUITE TYPE ONE TOILETS



SHOWER CONTROL WALL AT TYPICAL BEDROOM SUITE TYPE ONE TOILET ROOMS



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



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

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

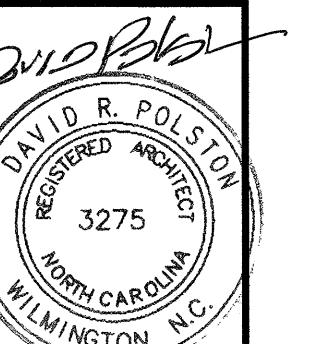
1011 ELEVATION
SCALE: 3/8"=1'-0"

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

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

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

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



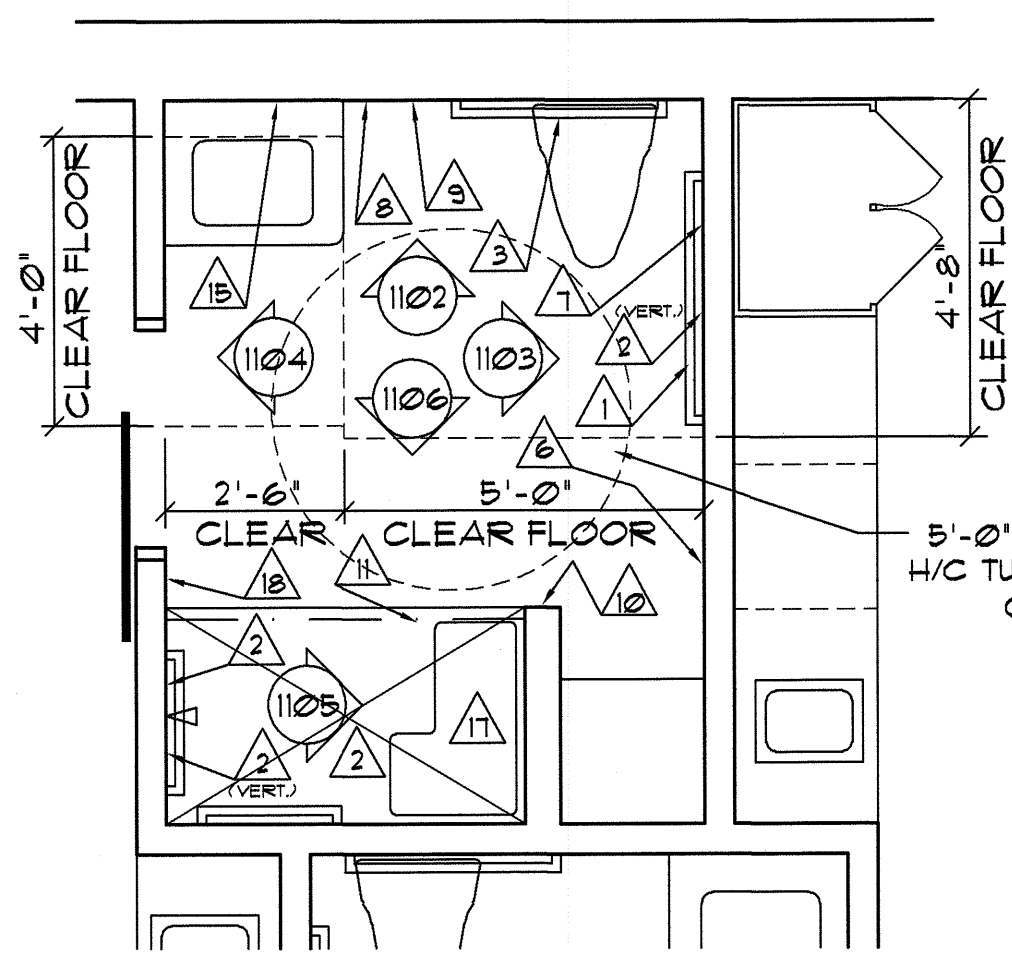
7.1.2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

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

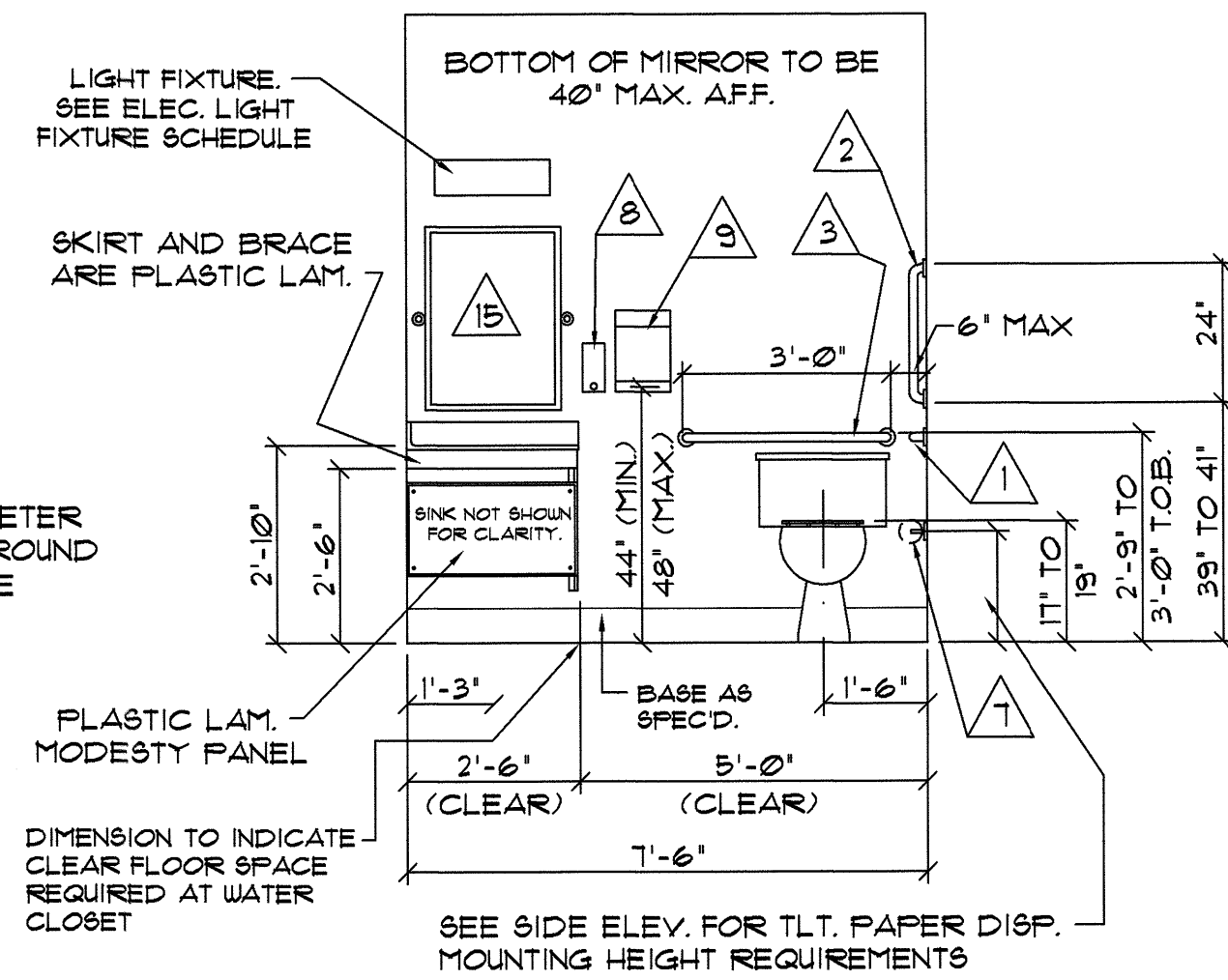
125 BED FACILITY

A 10

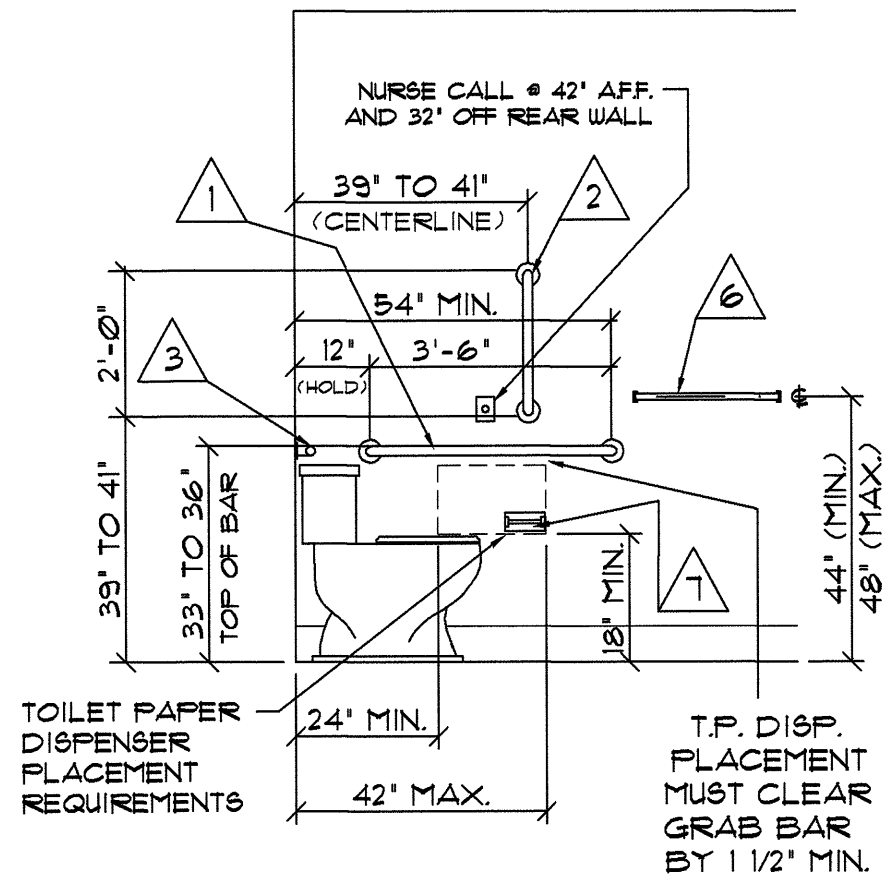


TYP. PVT. SUITE TYPE TWO TOILET ROOM

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

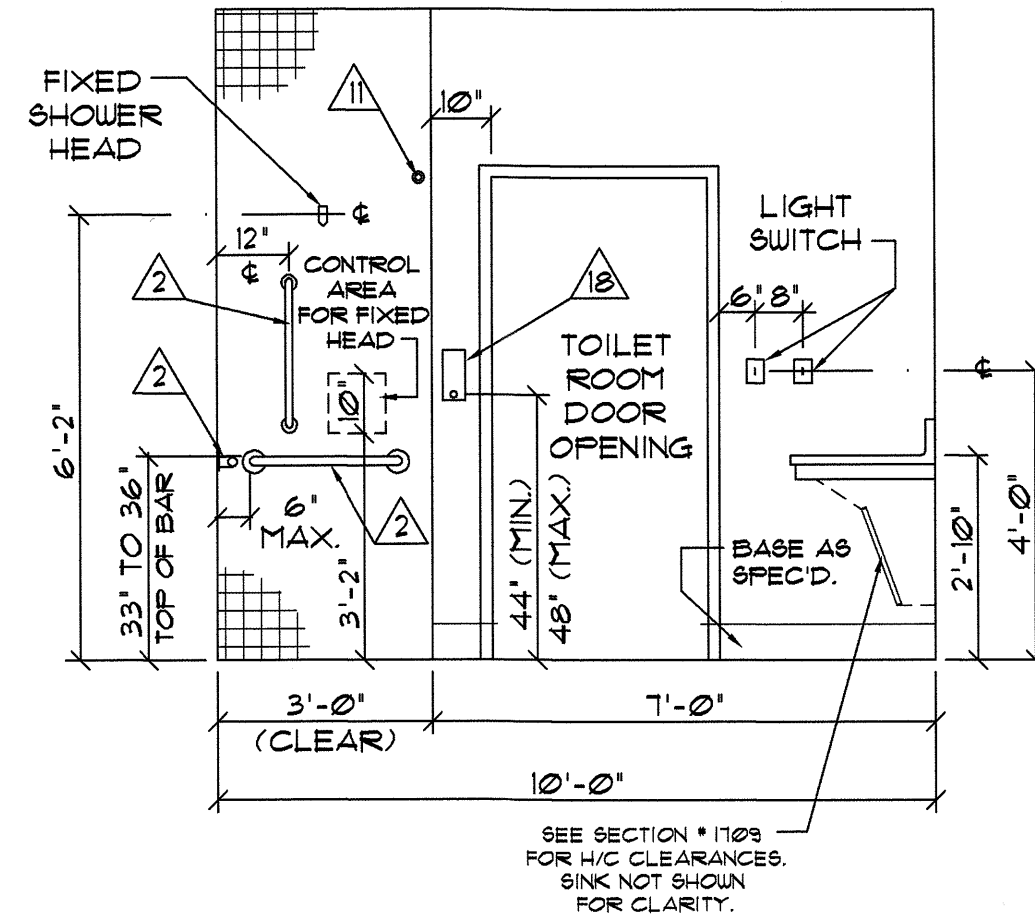


1102 ELEVATION TYPICAL FIXTURE WALL AT PVT. SUITE TYPE TWO TOILET ROOMS
SCALE: 3/8"=1'-0"



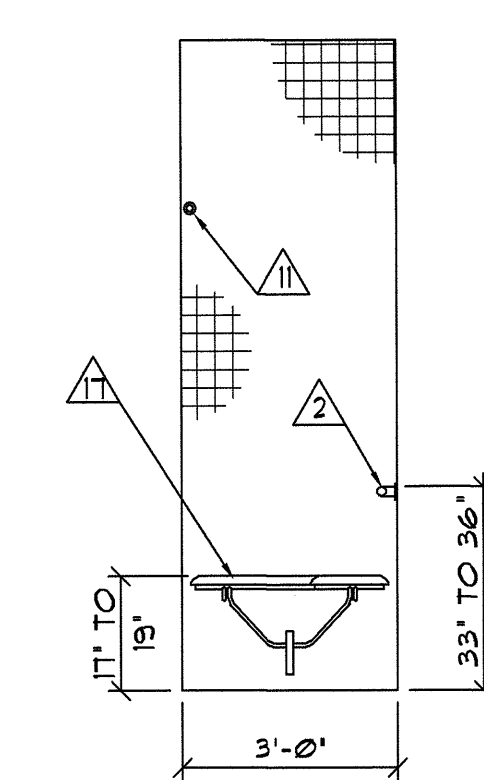
TYP. SIDE WALL AT WATER CLOSETS AT TYPICAL PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS

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



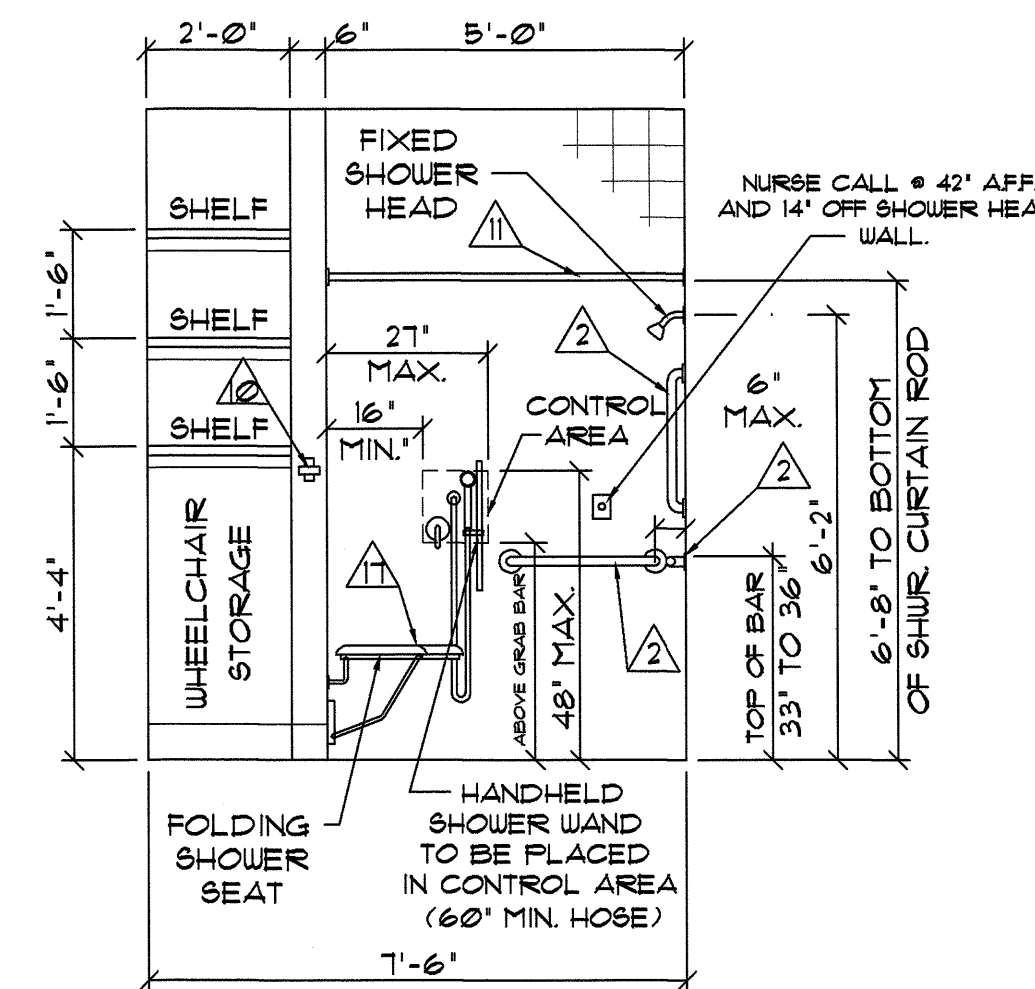
FIXED SHOWER HEAD WALL AT PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS

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



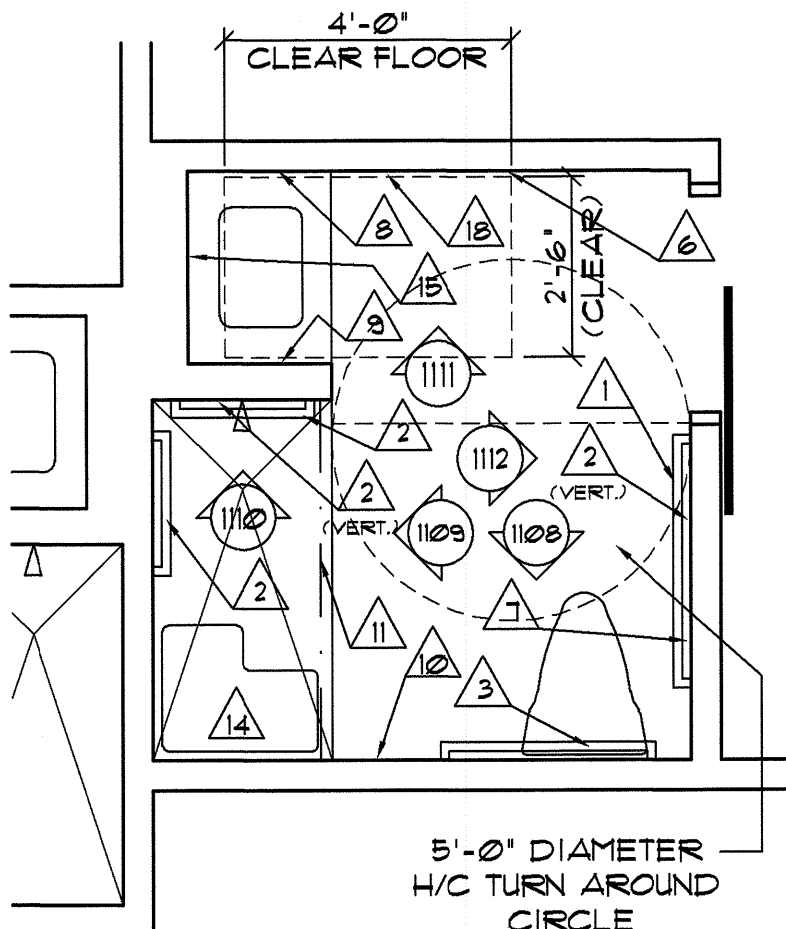
SHOWER SEAT WALL AT TYPICAL PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS

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



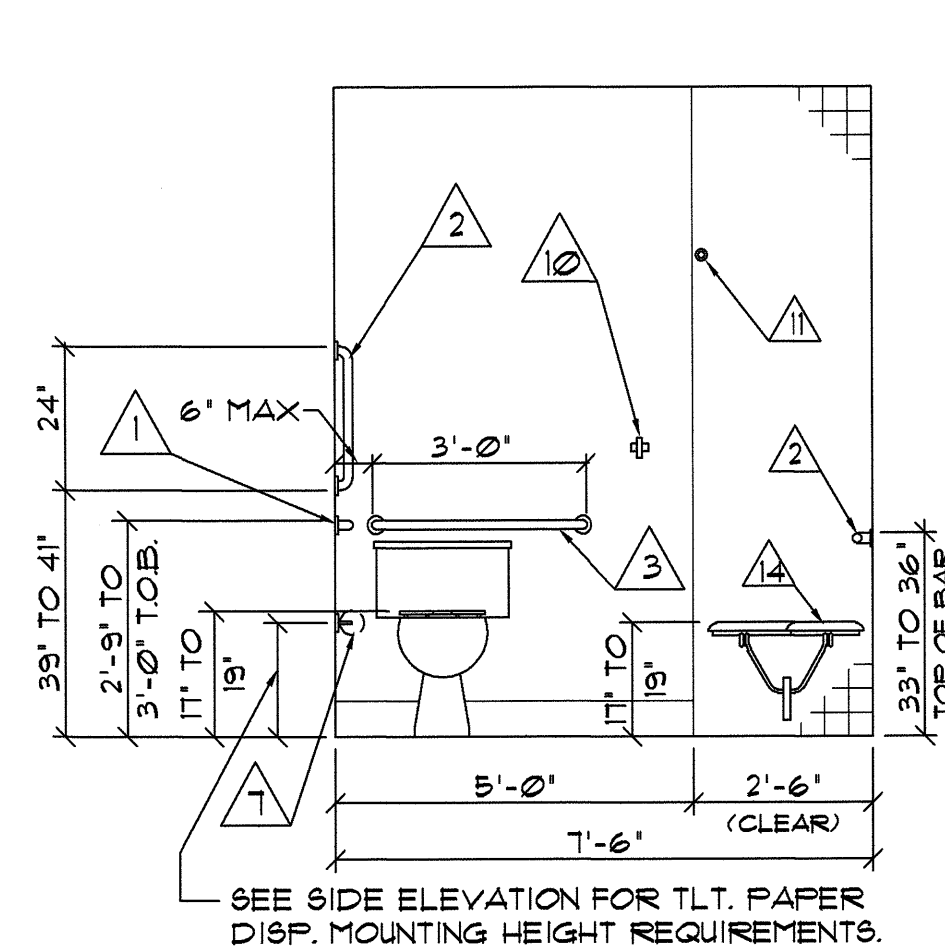
SHOWER CONTROL WALL AT PVT. BEDROOM SUITE TYPE TWO TOILET ROOMS

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



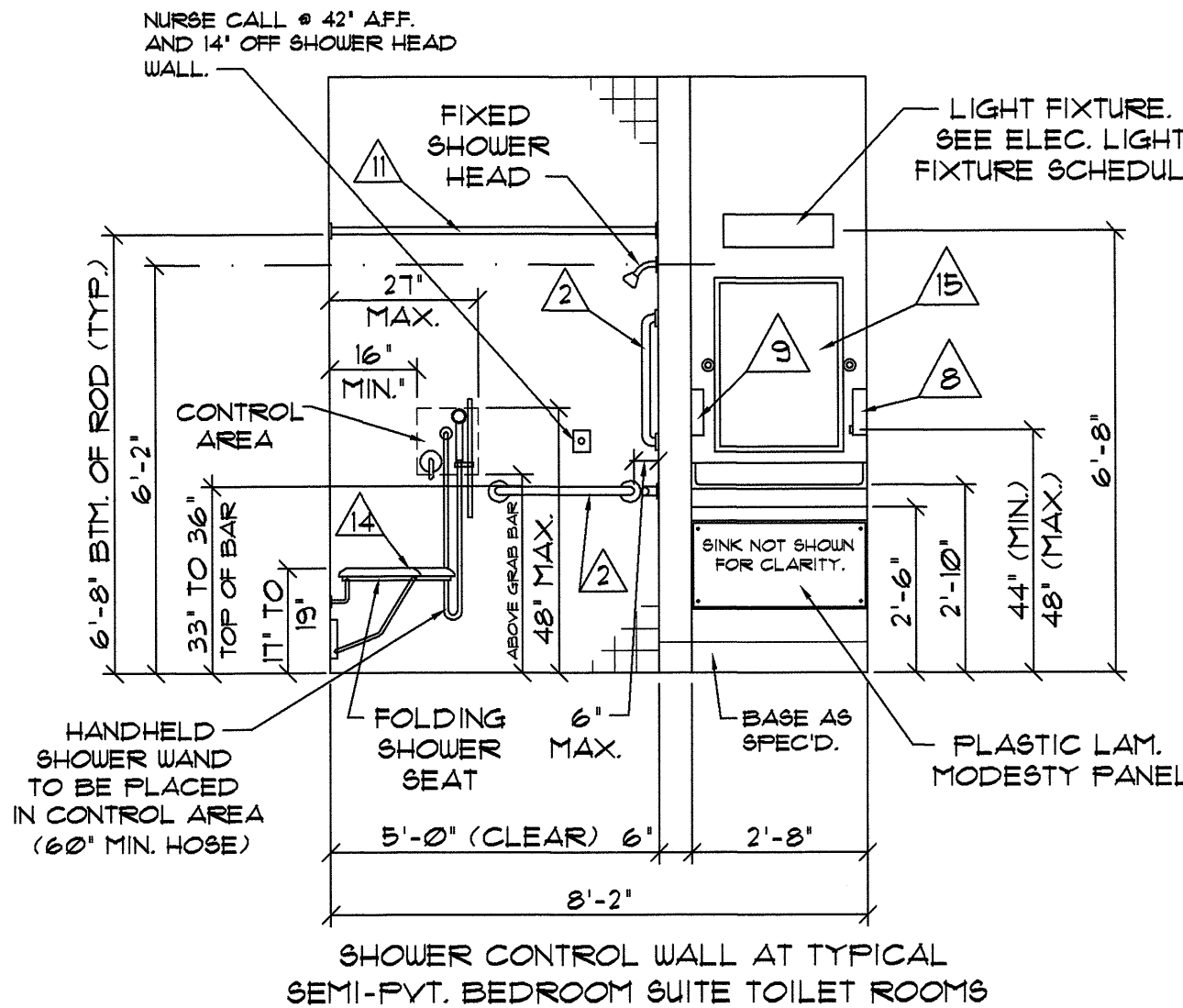
TYPICAL SEMI-PRIVATE BEDROOM SUITE TOILET ROOM

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



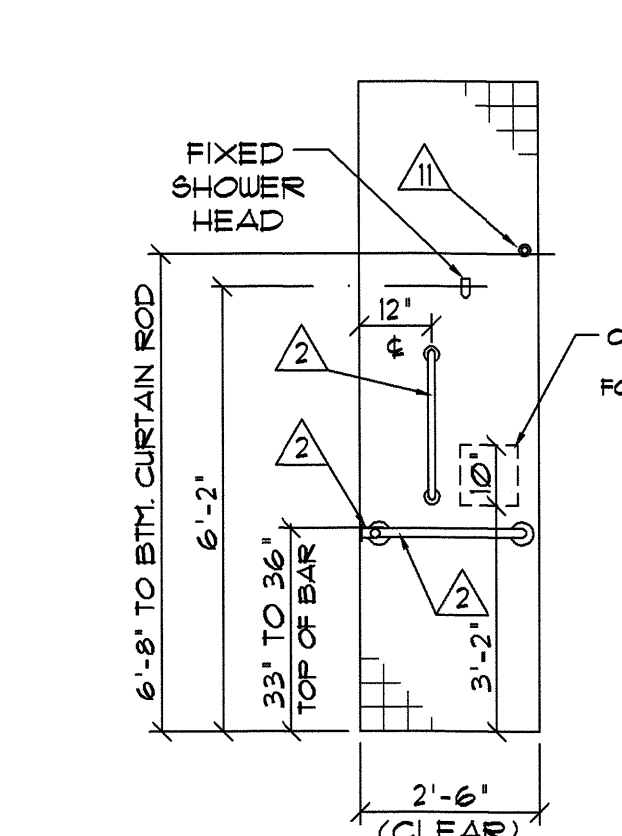
TOILET / SHOWER SEAT WALL AT TYPICAL SEMI-PVT. BEDROOM SUITE TOILET ROOMS

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



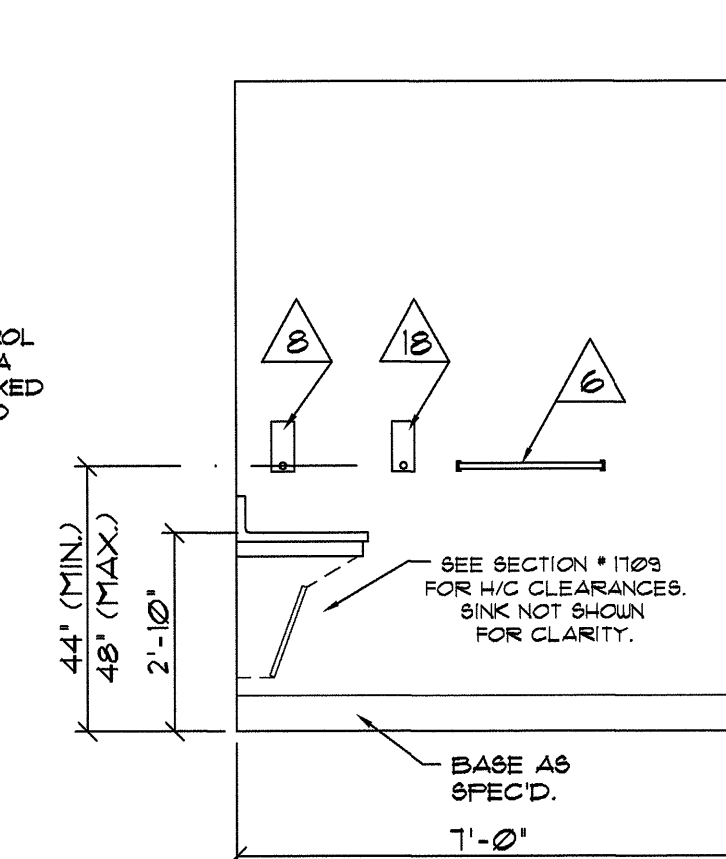
SHOWER CONTROL WALL AT TYPICAL SEMI-PVT. BEDROOM SUITE TOILET ROOMS

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



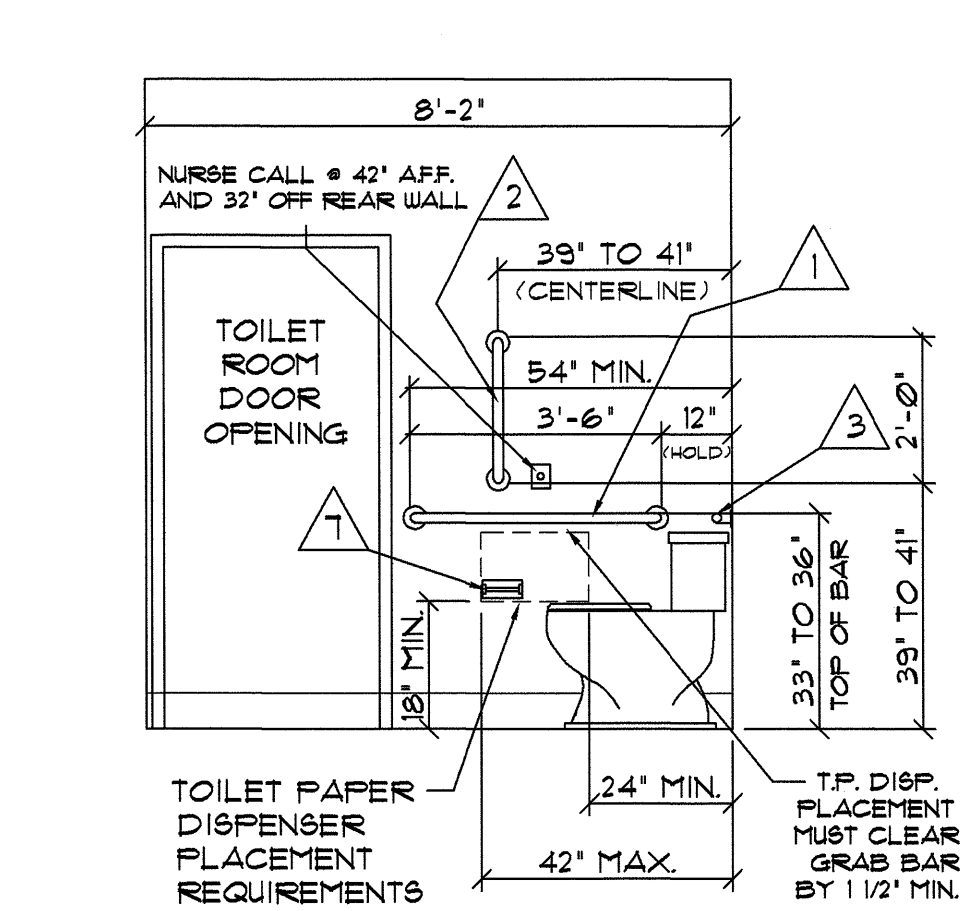
FIXED SHOWER HEAD WALL AT TYP. SEMI-PVT. BEDROOM SUITE TOILET ROOMS

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



TYP. ACCESSORIES WALL AT TYP. BEDROOM SUITE TOILET ROOMS

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



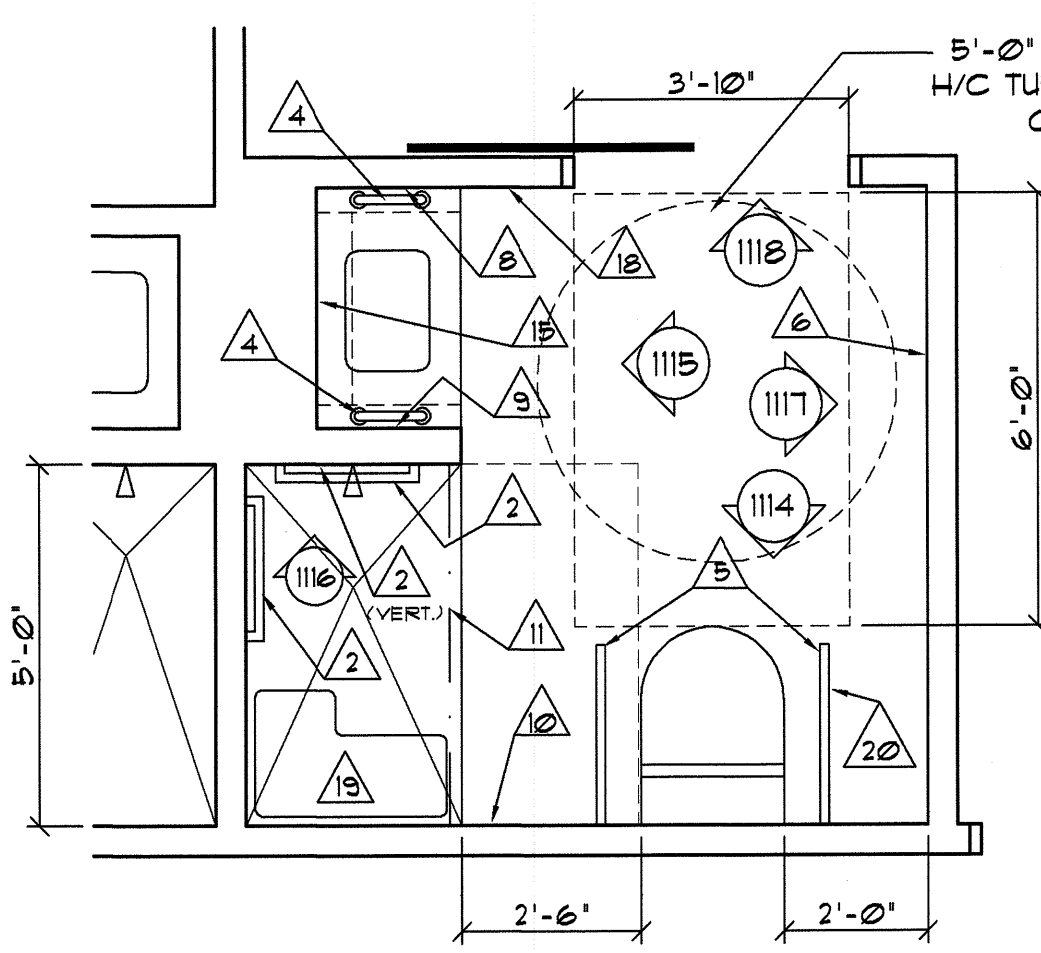
TYP. SIDE WALL AT WATER CLOSETS AT TYP. BEDROOM SUITE TOILETS

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

TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE			
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"	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	17	SHOWER SEAT	SEACHROME	55R-320225 (NW)
2	GRAB BAR - 1 1/2" X 24" LONG	BOBRICK	B-6806 x 24"	10	ROBE HOOK	MOEN	DN6803BN	18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
3	GRAB BAR - 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36"	11	SHOWER CURTAIN ROD	BOBRICK	B-6101	19	SHOWER SEAT W/ LEGS	SEACHROME	55R2-320225 (NW)
4	GRAB BAR - 1 1/2" X 12" LONG	BOBRICK	B-6806 x 12"	12	PRIVACY CURTAIN TRACK	ARNCO	1200	20	TOILET PAPER DISP. (GB. MOUNT)	BOBRICK	W/ B-4998 GB.
5	GRAB BAR - SWING UP STYLE 29"	BOBRICK	B-4998	13	MOP HOOK RACK	BY OWNER	---	21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	---
6	TOILET BAR - 24" LONG	MOEN	DN6824BN	14	SHOWER SEAT	SEACHROME	55R-260225 (NW)	22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC
7	TOILET PAPER DISPENSER	MOEN	DN6808BN	15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43295 BATH NICKEL FINISH				
8	SOAP DISPENSER - WALL MNTD.	BY OWNER	INSTALL BY G.C.	16	TUB SEAT	BY OWNER	---				

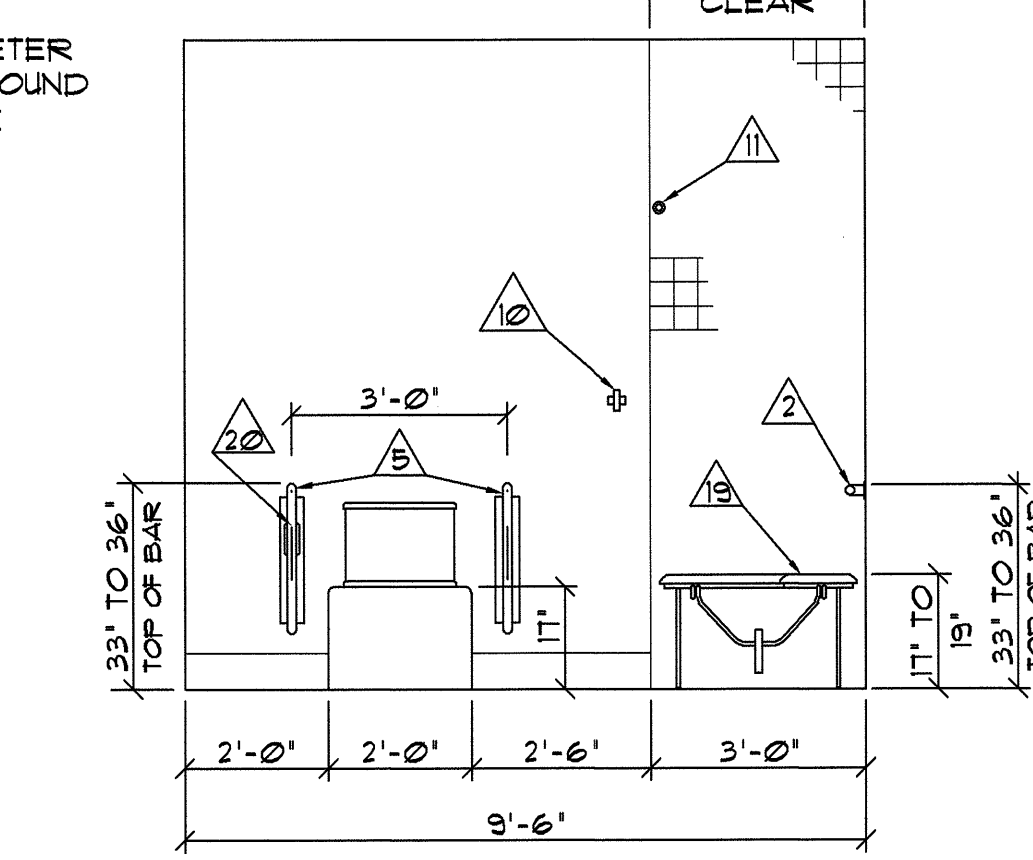
TOILET ACCESSORY NOTES:

- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION 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 * 18 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. NO SUBSTITUTIONS ACCEPTED.
- MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



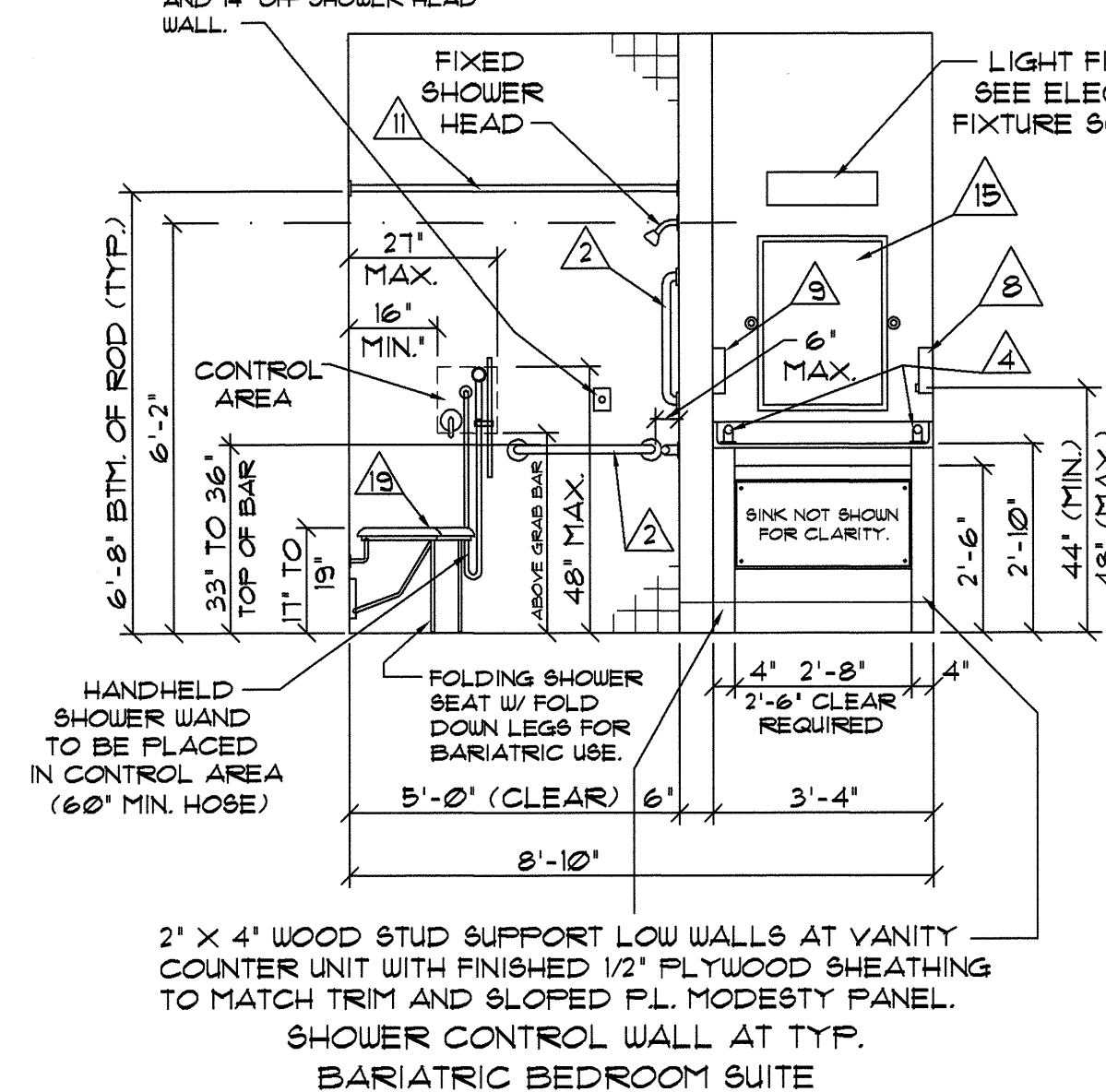
TYPICAL PRIVATE BARIATRIC SUITE TOILET ROOM

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



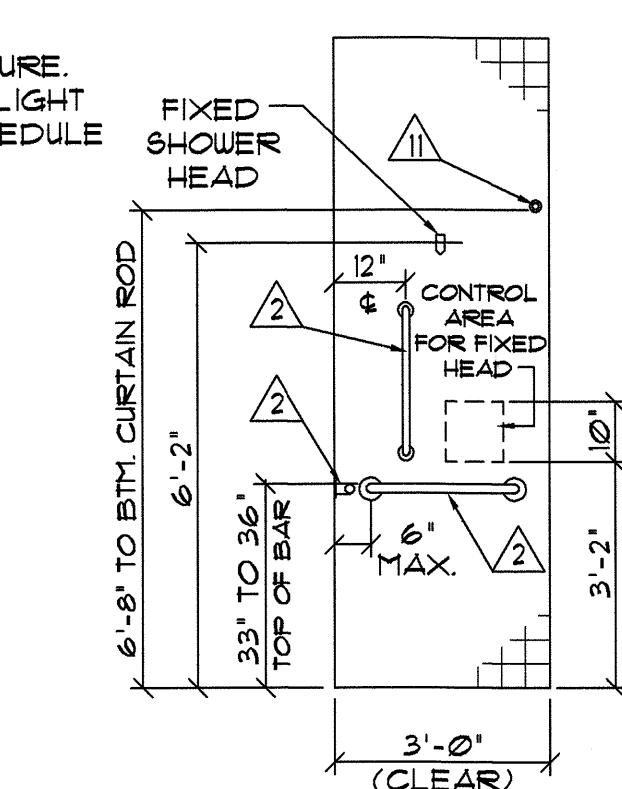
WATER CLOSET SIDE WALL / SHOWER SEAT WALL AT TYPICAL BARIATRIC BEDROOM SUITE TOILETS

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



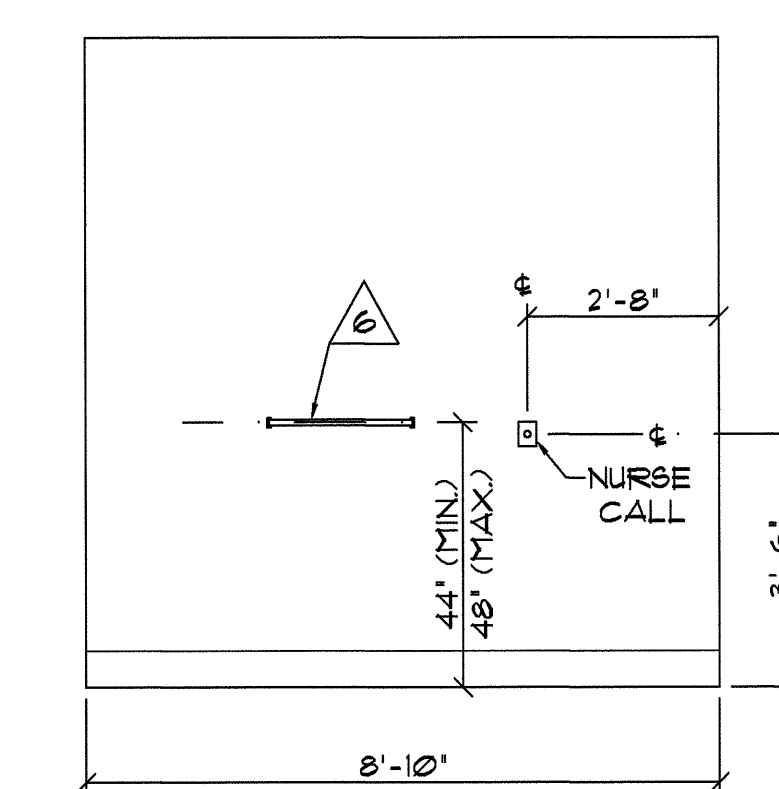
2" X 4" WOOD STUD SUPPORT LOW WALLS AT VANITY COUNTER UNIT WITH FINISHED 1/2" PLYWOOD SHEATHING TO MATCH TRIM AND SLOPED P.L. MODESTY PANEL. SHOWER CONTROL WALL AT TYP. BARIATRIC BEDROOM SUITE

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



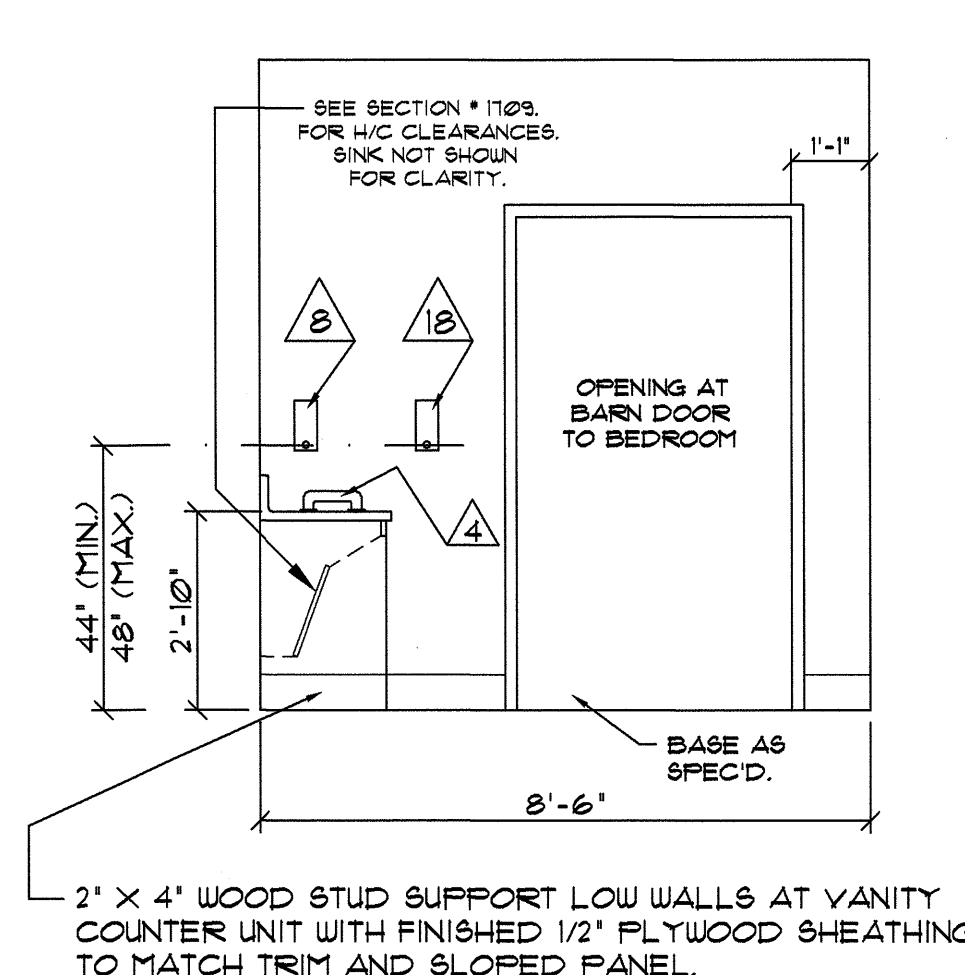
FIXED SHOWER HEAD WALL AT TYPICAL BARIATRIC BEDROOM SUITE TOILET ROOMS

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



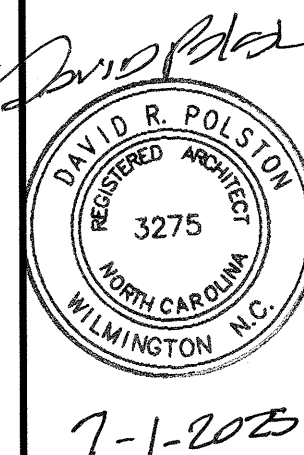
TYPICAL LIGHT SWITCH / NURSE CALL SIDE WALL AT BARIATRIC BEDROOM SUITE TOILET ROOMS

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



TYPICAL TOILET DOOR OPENING WALL AT BARIATRIC BEDROOM SUITE TOILET ROOMS

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

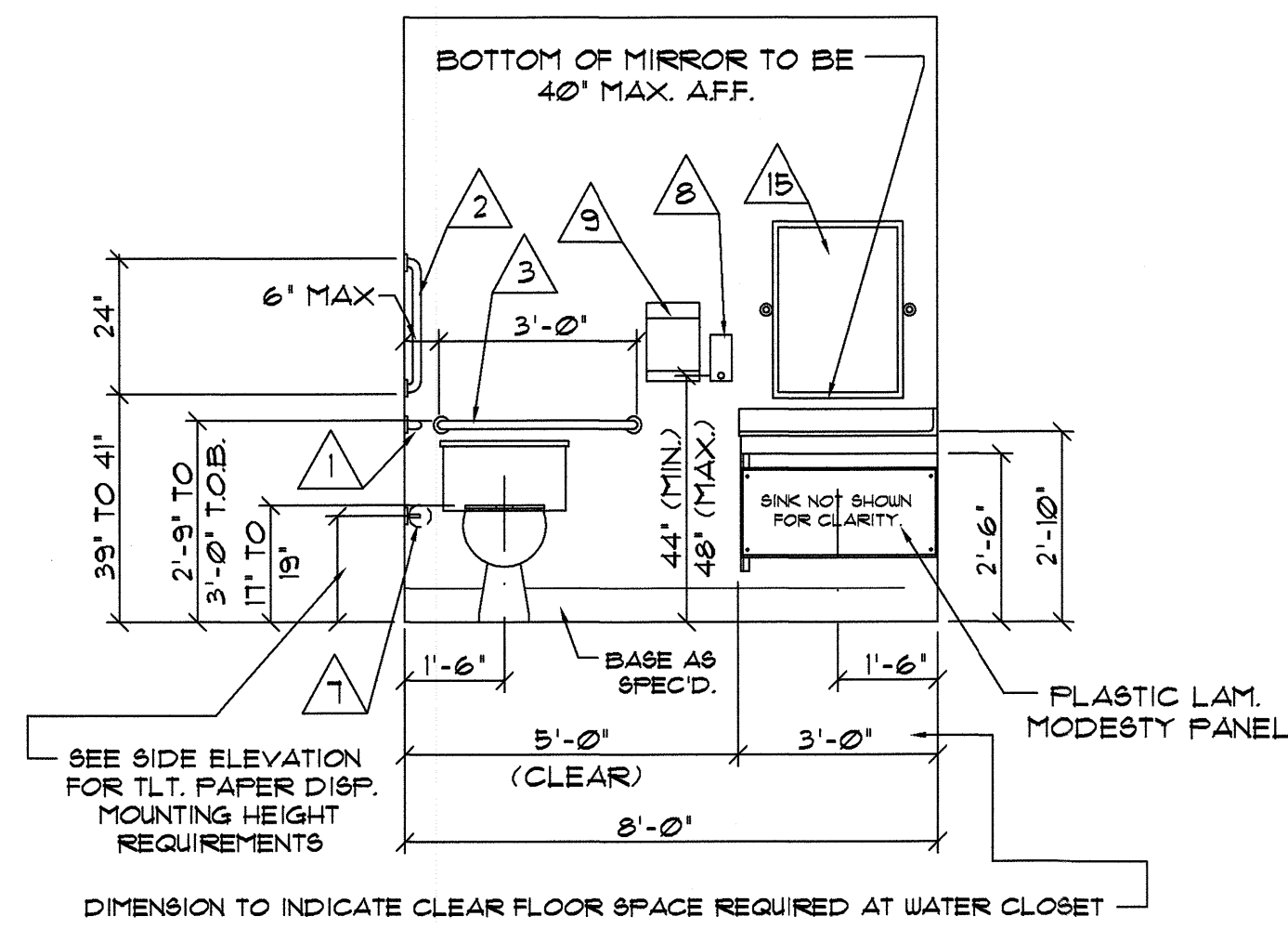


HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

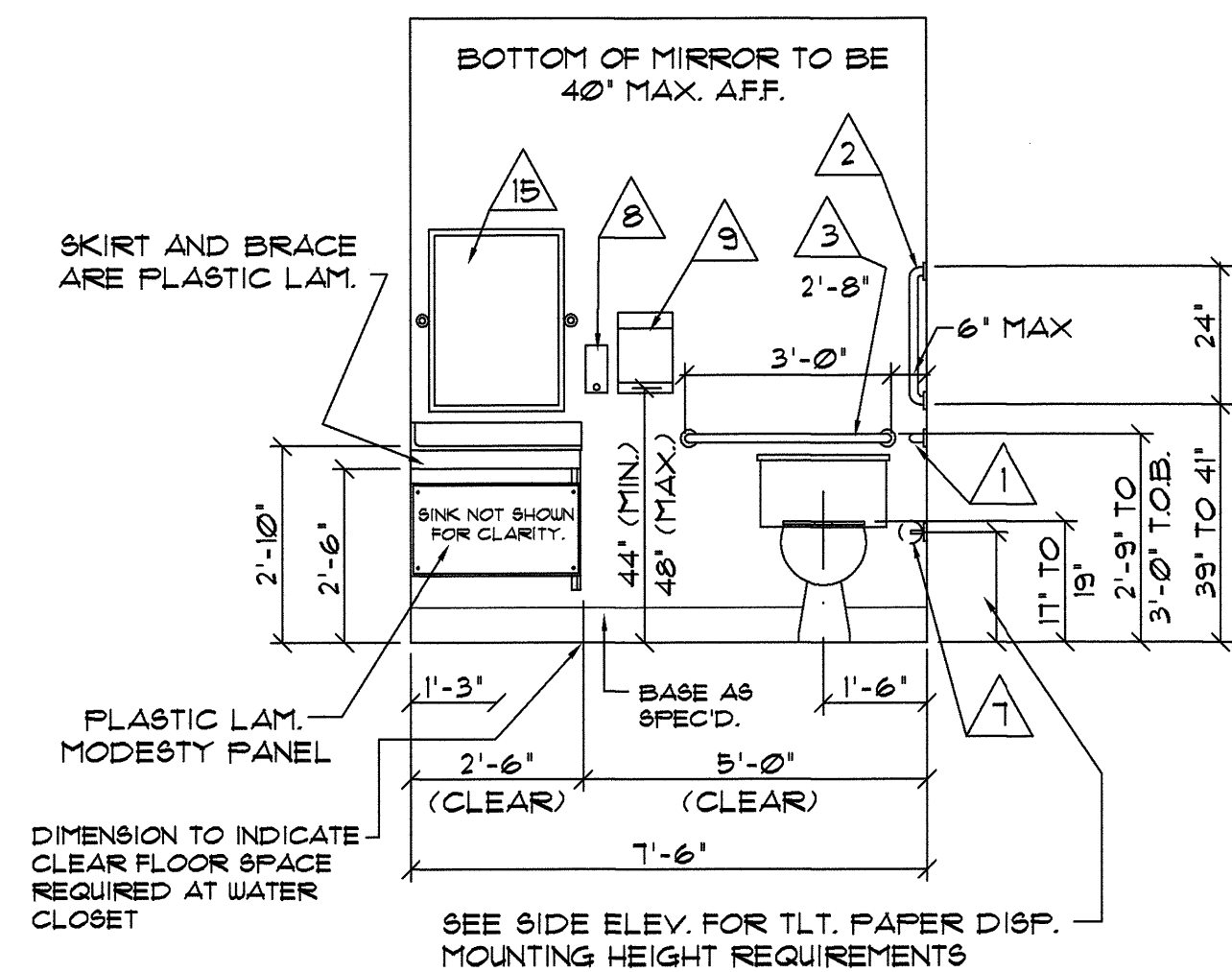
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

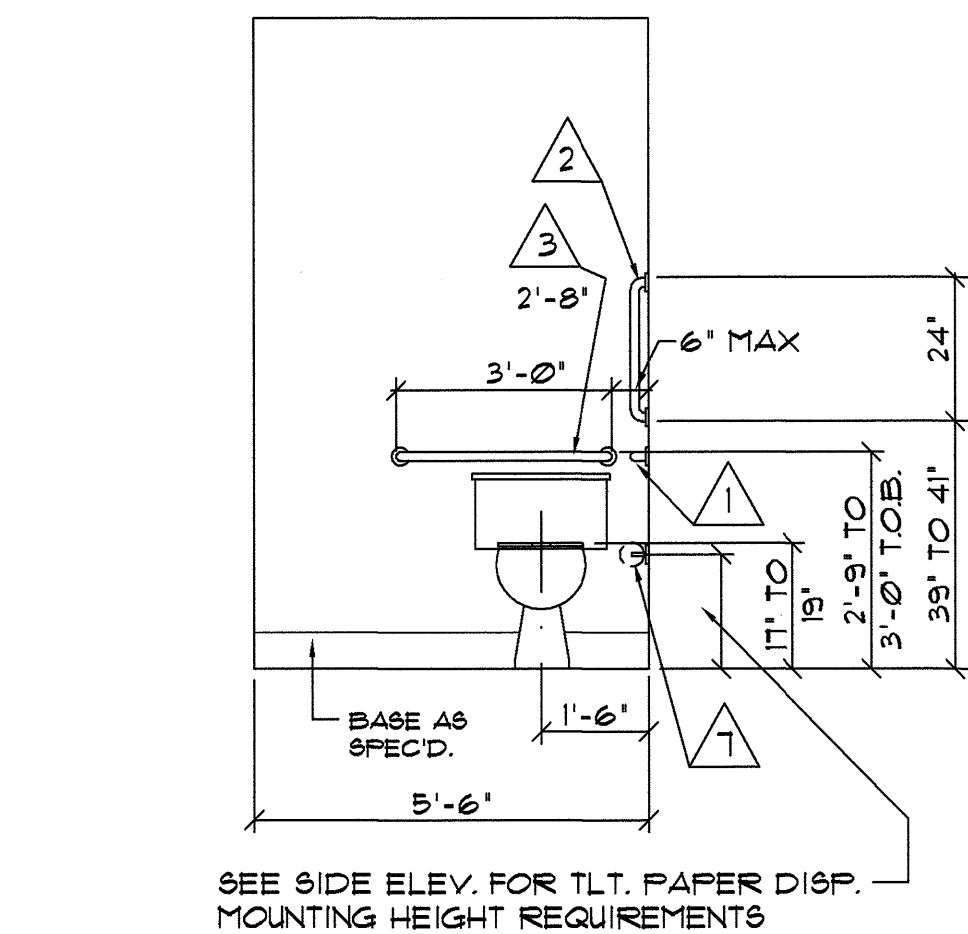
A 11



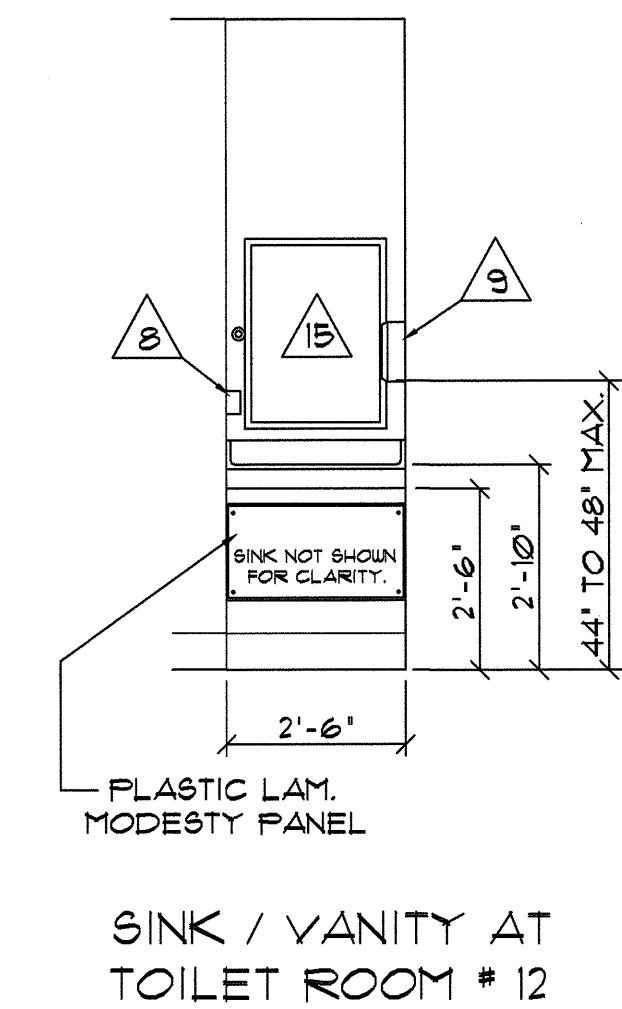
1201 ELEVATION TOILET ROOM # 18A
SCALE: 3/8"=1'-0"



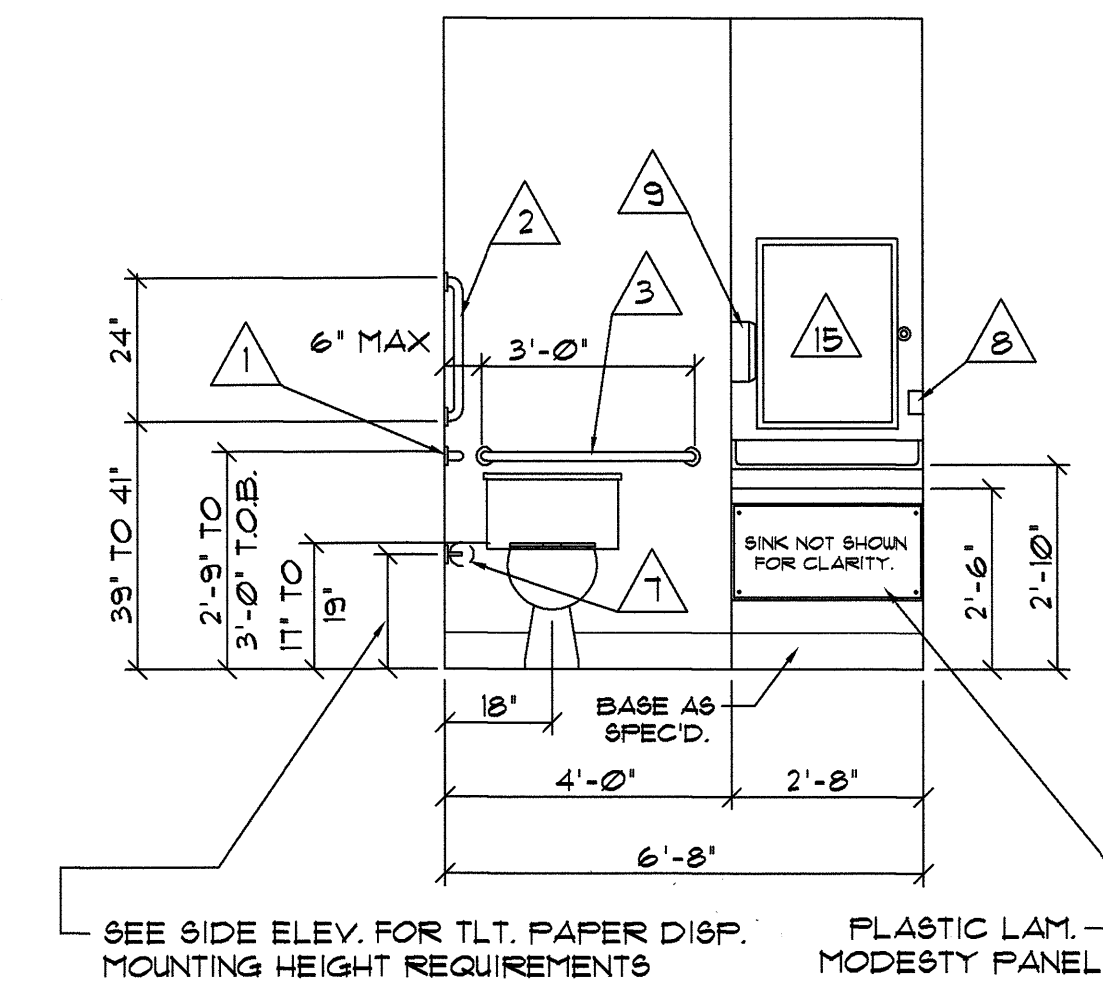
1202 ELEVATION TOILET ROOMS @ 21, # 73, # 82, AND TUB ROOM # 38D (REV)
SCALE: 3/8"=1'-0"



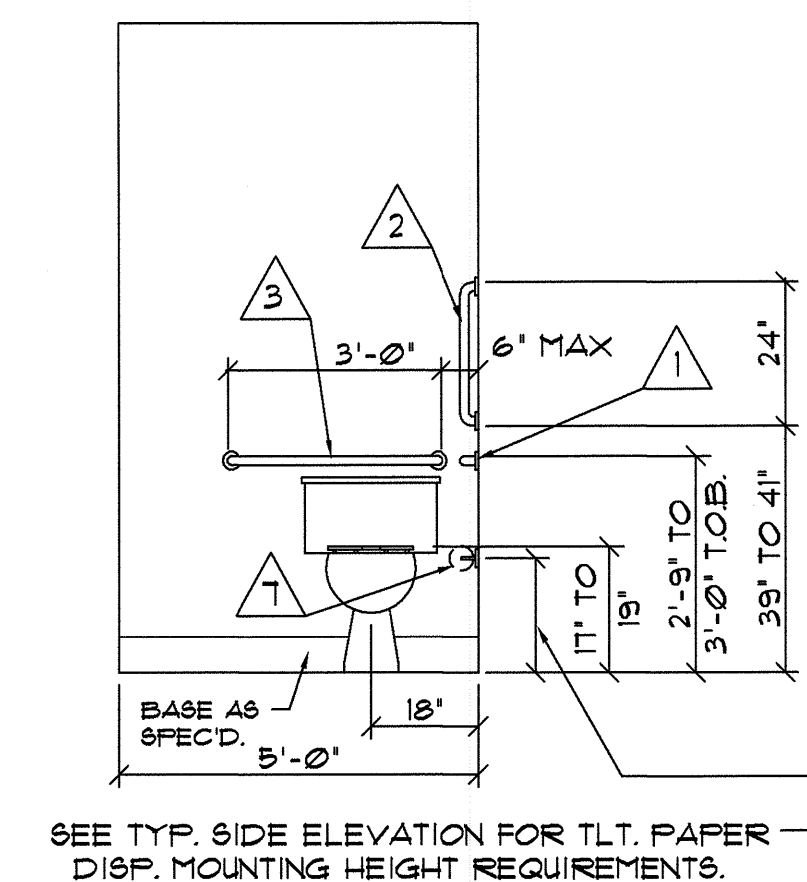
1203 ELEVATION WATER CLOSET AT TOILET ROOM # 12
SCALE: 3/8"=1'-0"



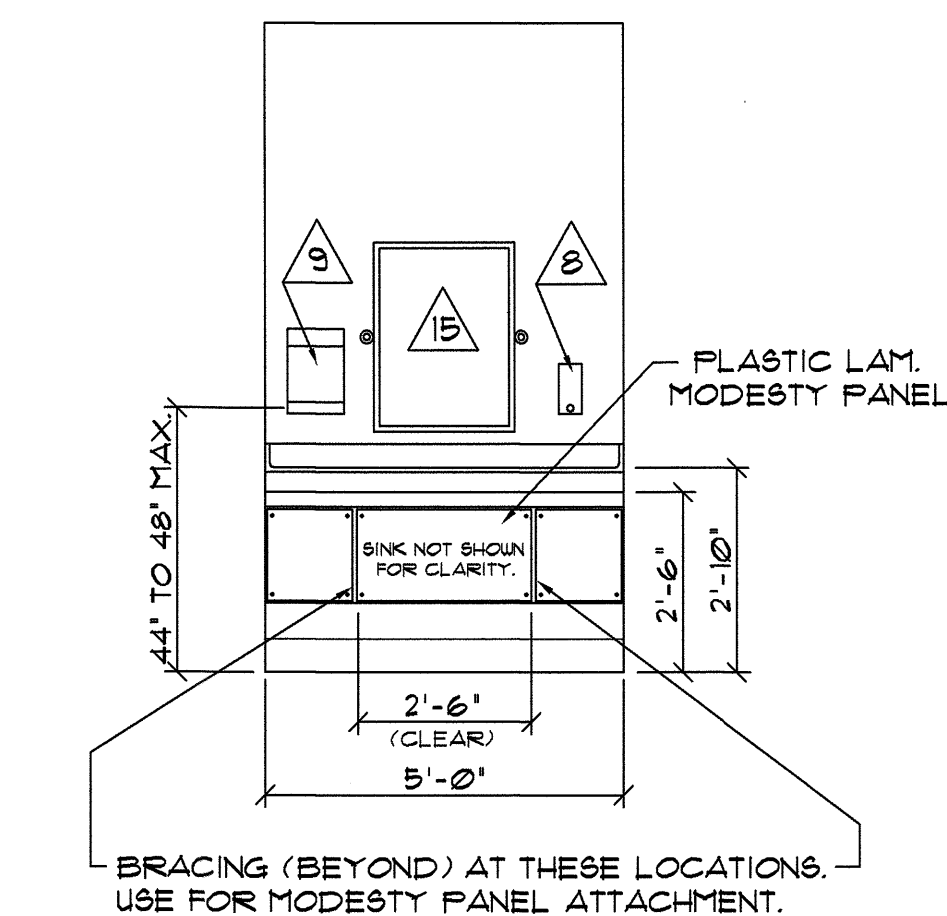
1204 ELEVATION SINK / VANITY AT TOILET ROOM # 12
SCALE: 3/8"=1'-0"



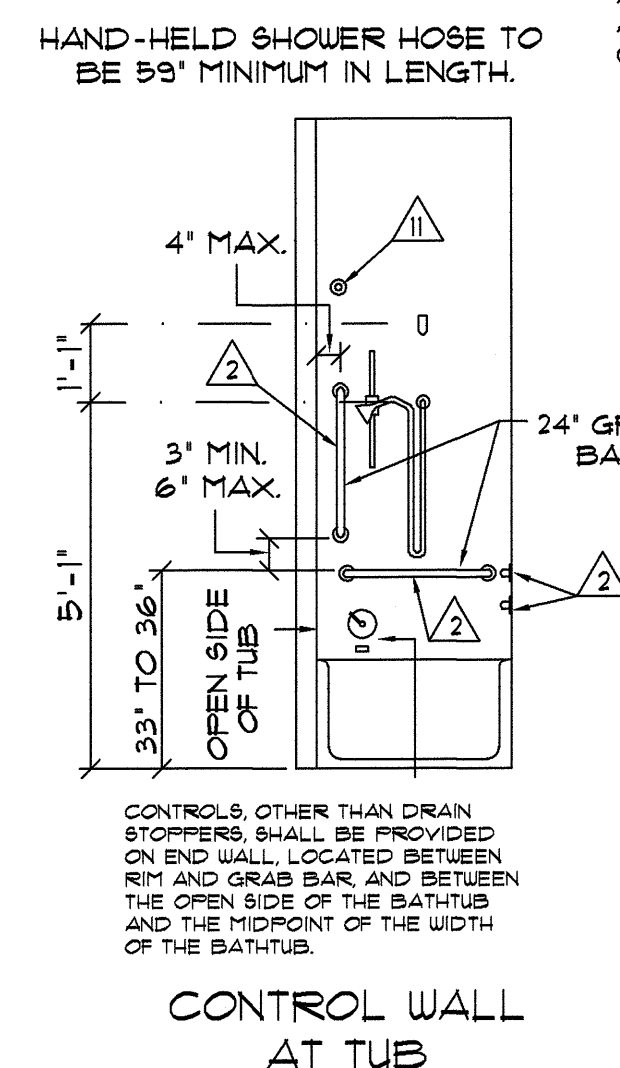
1205 ELEVATION TOILET # 26
SCALE: 3/8"=1'-0"



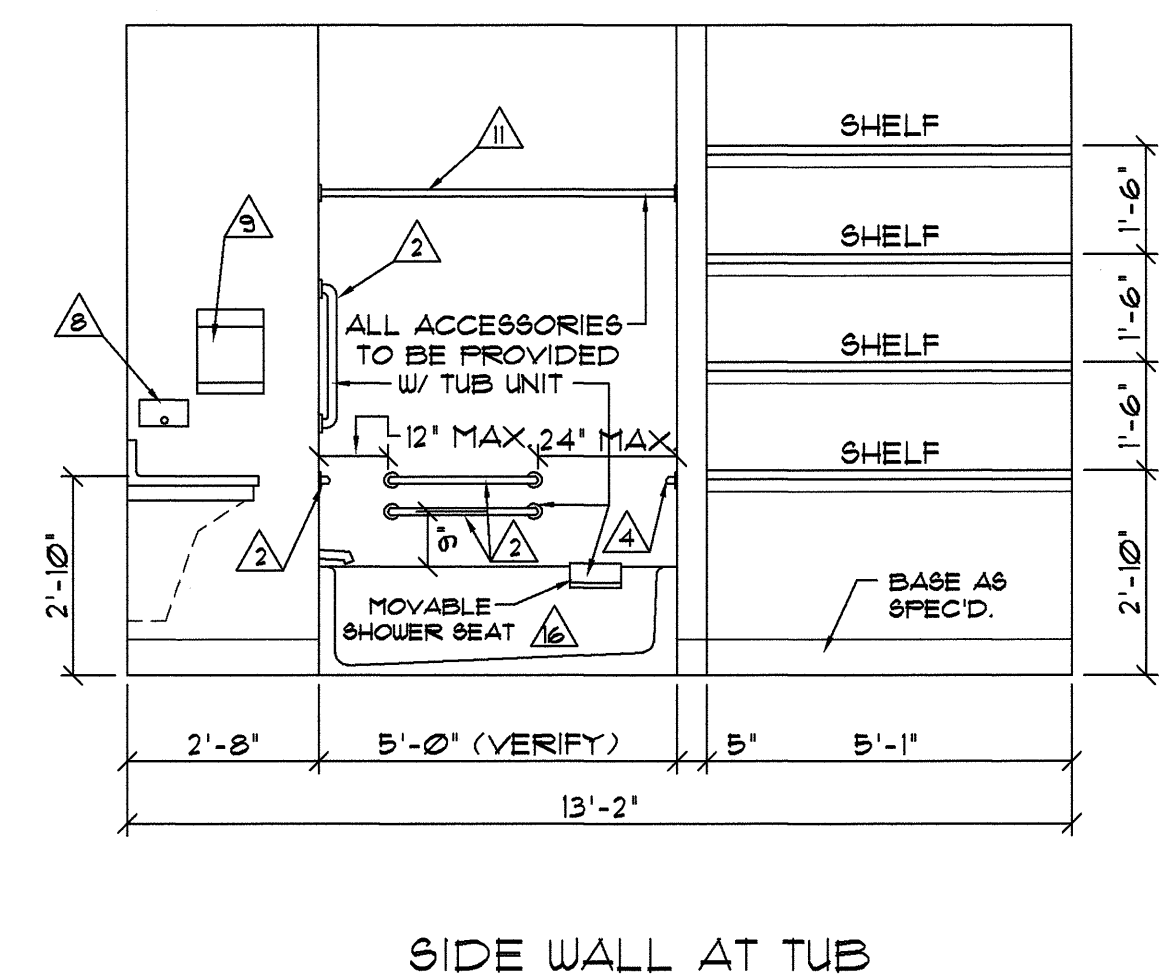
1206 ELEVATION WATER CLOSET WALL AT TOILET ROOM # 45B
SCALE: 3/8"=1'-0"



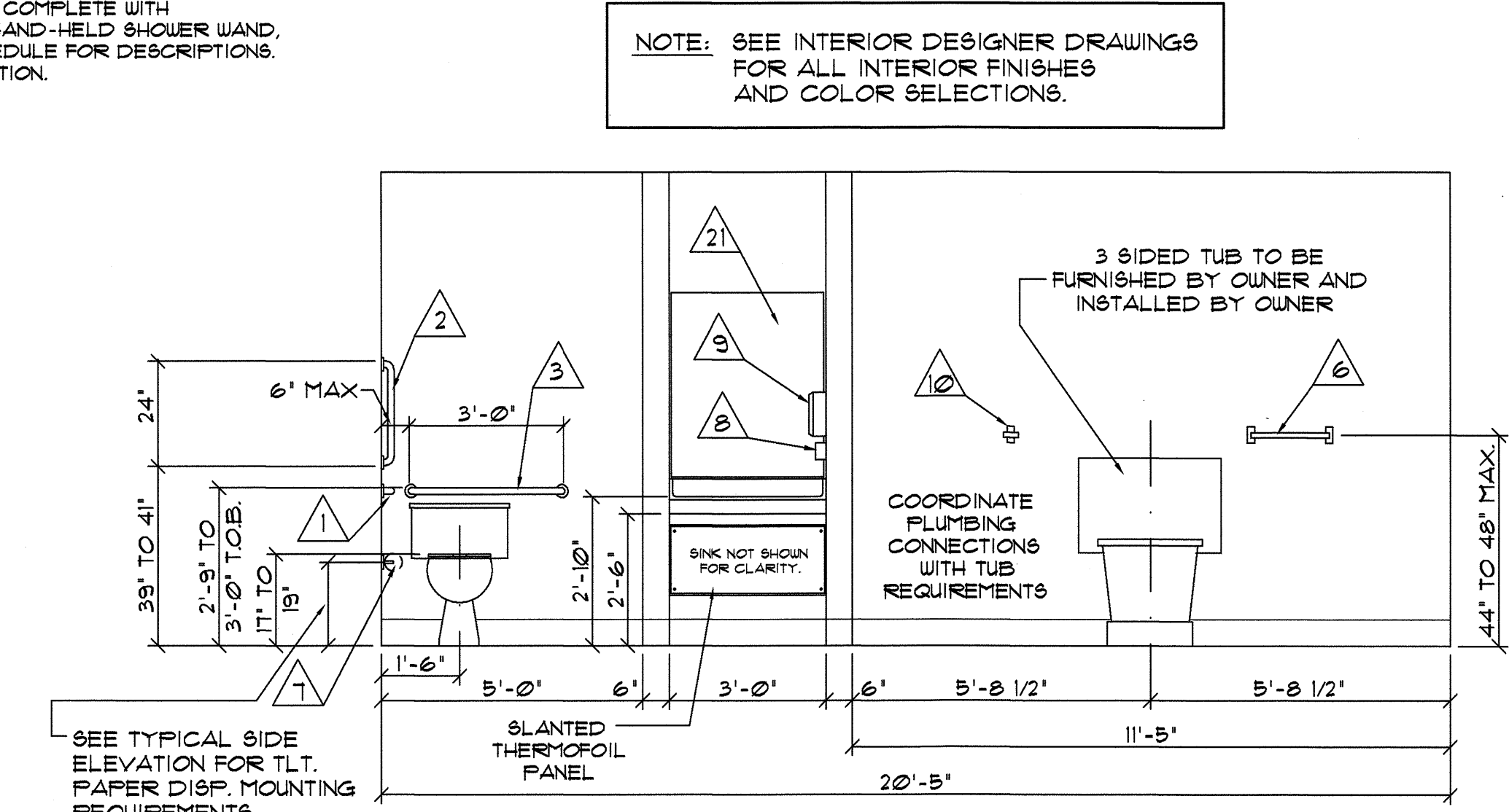
1207 ELEVATION VANITY / SINK AT TOILET ROOM # 45B
SCALE: 3/8"=1'-0"



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



1209 ELEVATION SIDE WALL AT TUB
SCALE: 3/8"=1'-0"

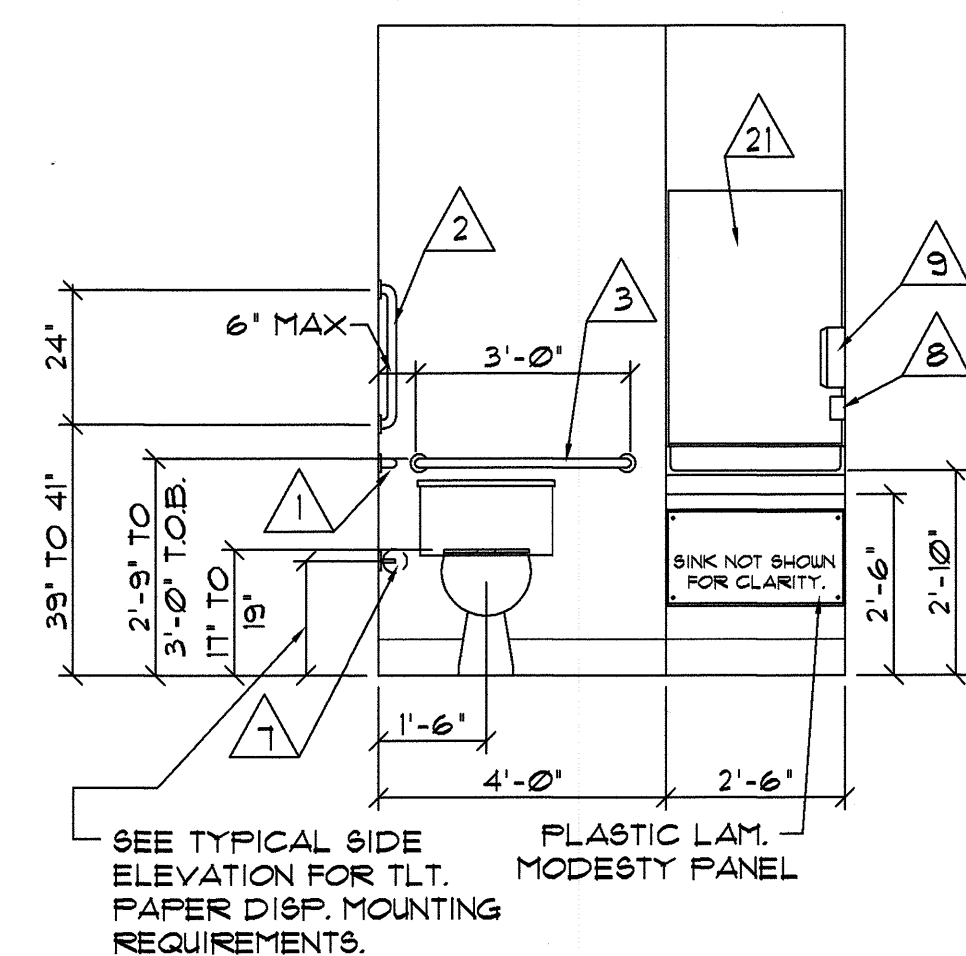


1209 ELEVATION TUB ROOM # 55
SCALE: 3/8"=1'-0"

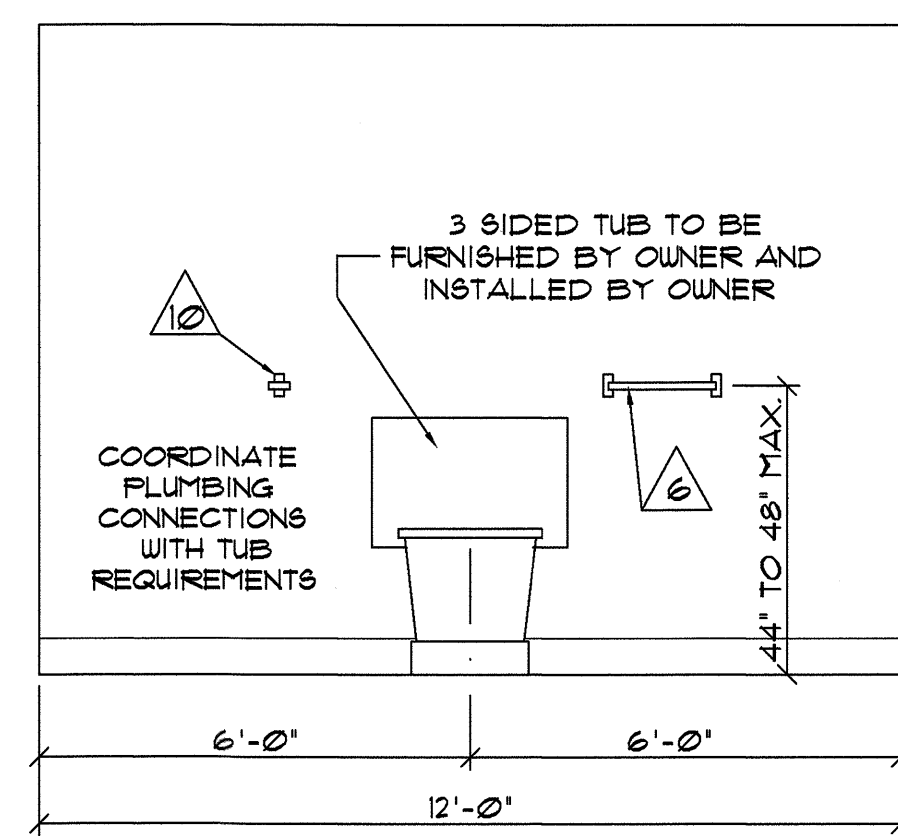
TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE				TOILET ACCESSORIES SCHEDULE			
Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2' X 42' LONG	BOBRICK	B- 6806 x 42'	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	11	SHOWER SEAT	SEACHROME	55R-320225 (NW)
2	GRAB BAR- 1 1/2' X 24' LONG	BOBRICK	B- 6806 x 24'	10	ROBE HOOK	MOEN	DN6803BN	12	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.
3	GRAB BAR- 1 1/2' X 36' LONG	BOBRICK	B-6806 x 36'	11	SHOWER CURTAIN ROD	BOBRICK	B- 610T	13	SHOWER SEAT W/ LEGS	SEACHROME	55R2-320225 (NW)
4	GRAB BAR- 1 1/2' X 12' LONG	BOBRICK	B- 6806 x 12'	12	PRIVACY CURTAIN TRACK	ARNCO	1200	20	TOILET PAPER DISP. (G.B. MOUNT)	BOBRICK	W/ B-4998 G.B.
5	GRAB BAR- SWING UP STYLE 29'	BOBRICK	B- 4998	13	MOP HOOK RACK	BY OWNER	---	21	MIRROR - SIZE AS SHOWN	BY GLAZING CONTRACTOR	---
6	TOWEL BAR- 24' LONG	MOEN	DN6824BN	14	SHOWER SEAT	SEACHROME	55R-260225 (NW)	22	TOILET PARTITION SYSTEM	BOBRICK	SERIES SCRC
7	TOILET PAPER DISPENSER	MOEN	DN6808BN	15	MIRROR - 23 1/2' X 31 1/2'	GATCO	43295 BATH NICKEL FINISH				
8	SOAP DISPENSER- WALL MNTD.	BY OWNER	INSTALL BY G.C.	16	TUB SEAT	BY OWNER	---				

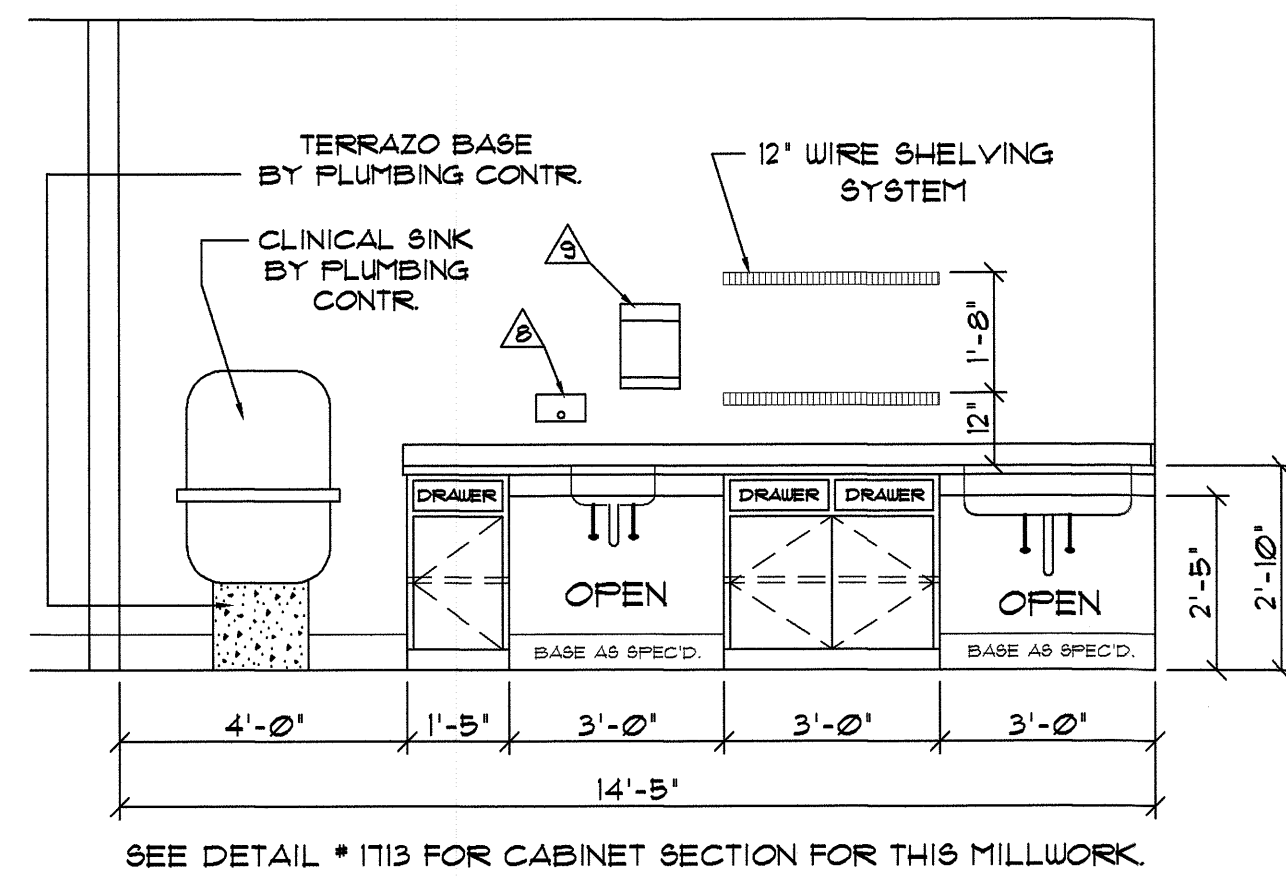
TOILET ACCESSORY NOTES:

- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION 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.
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- TOILETS ACCESSORIES * 6, * 7, * 10, AND * 15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
- 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.

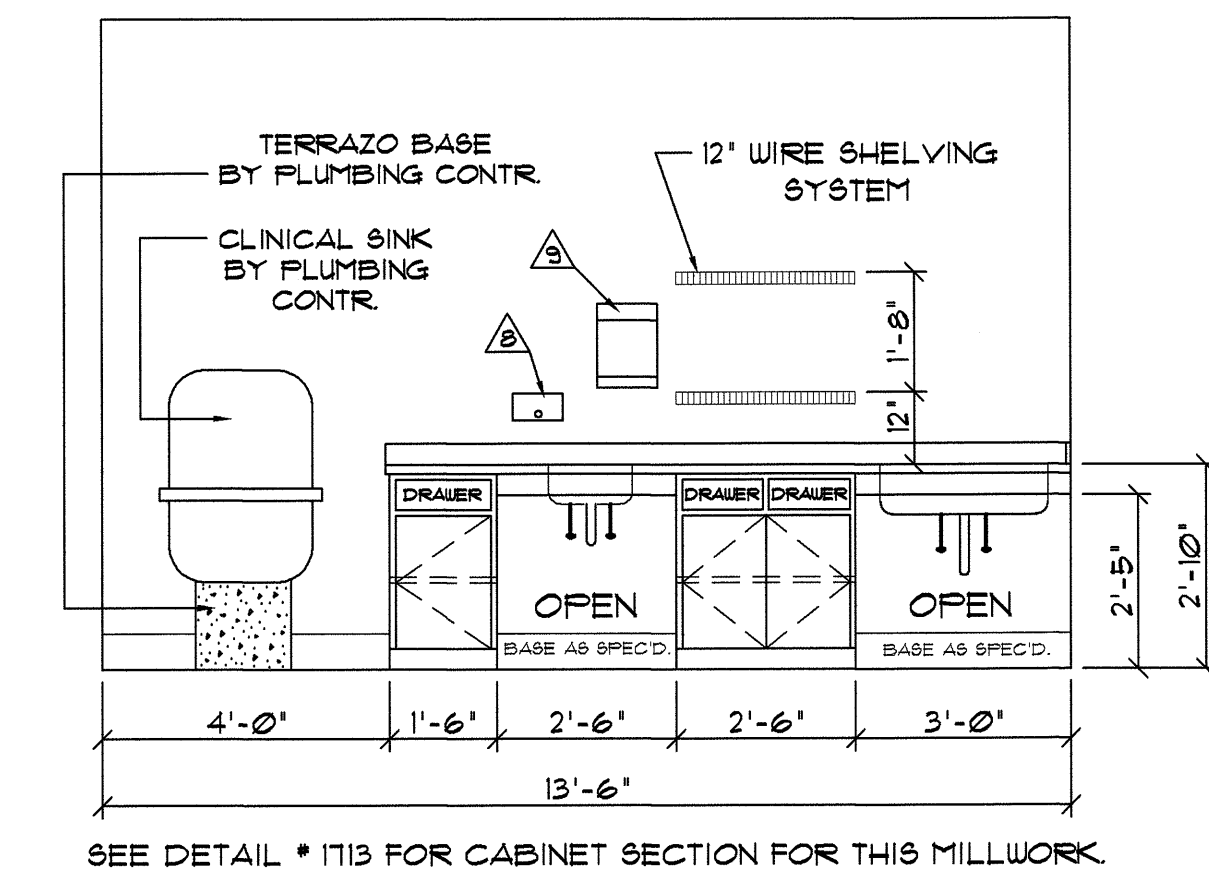


1210 ELEVATION TUB ROOM # 65
SCALE: 3/8"=1'-0"

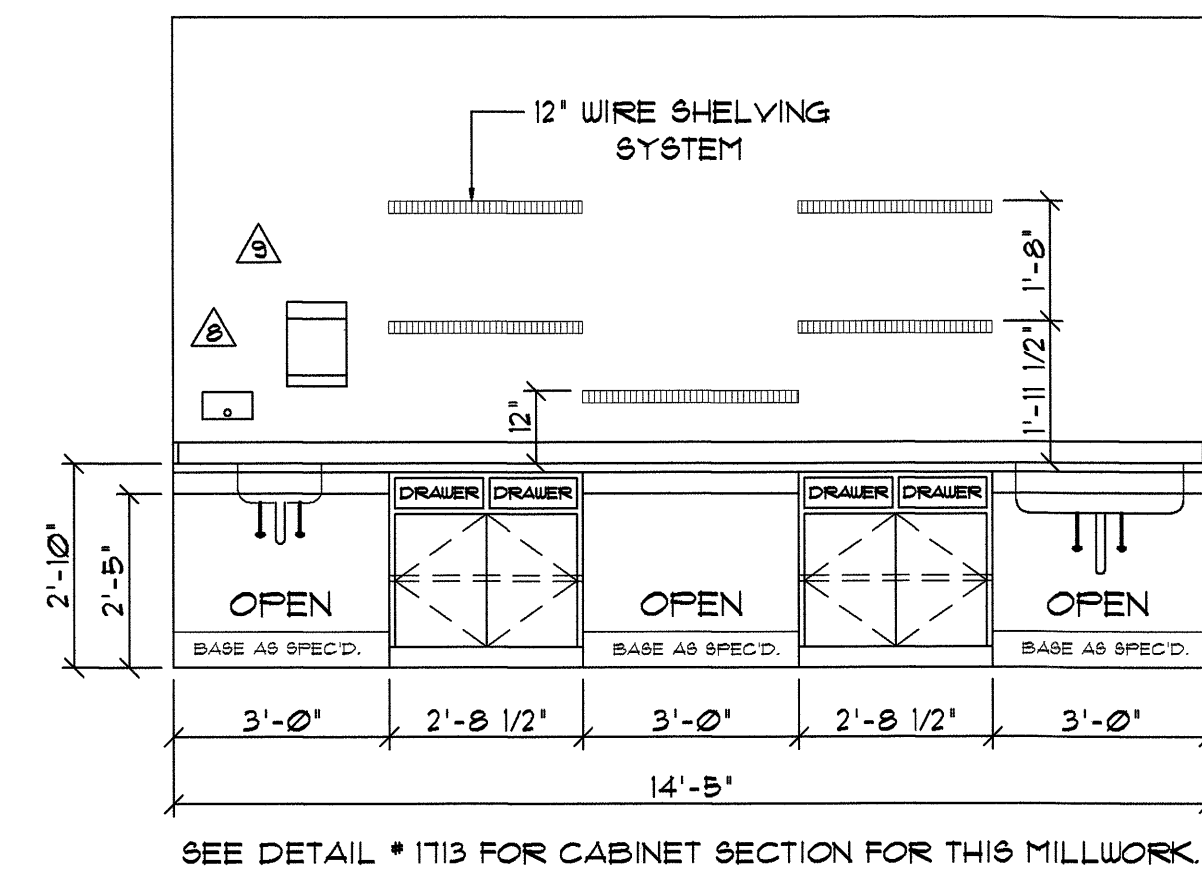




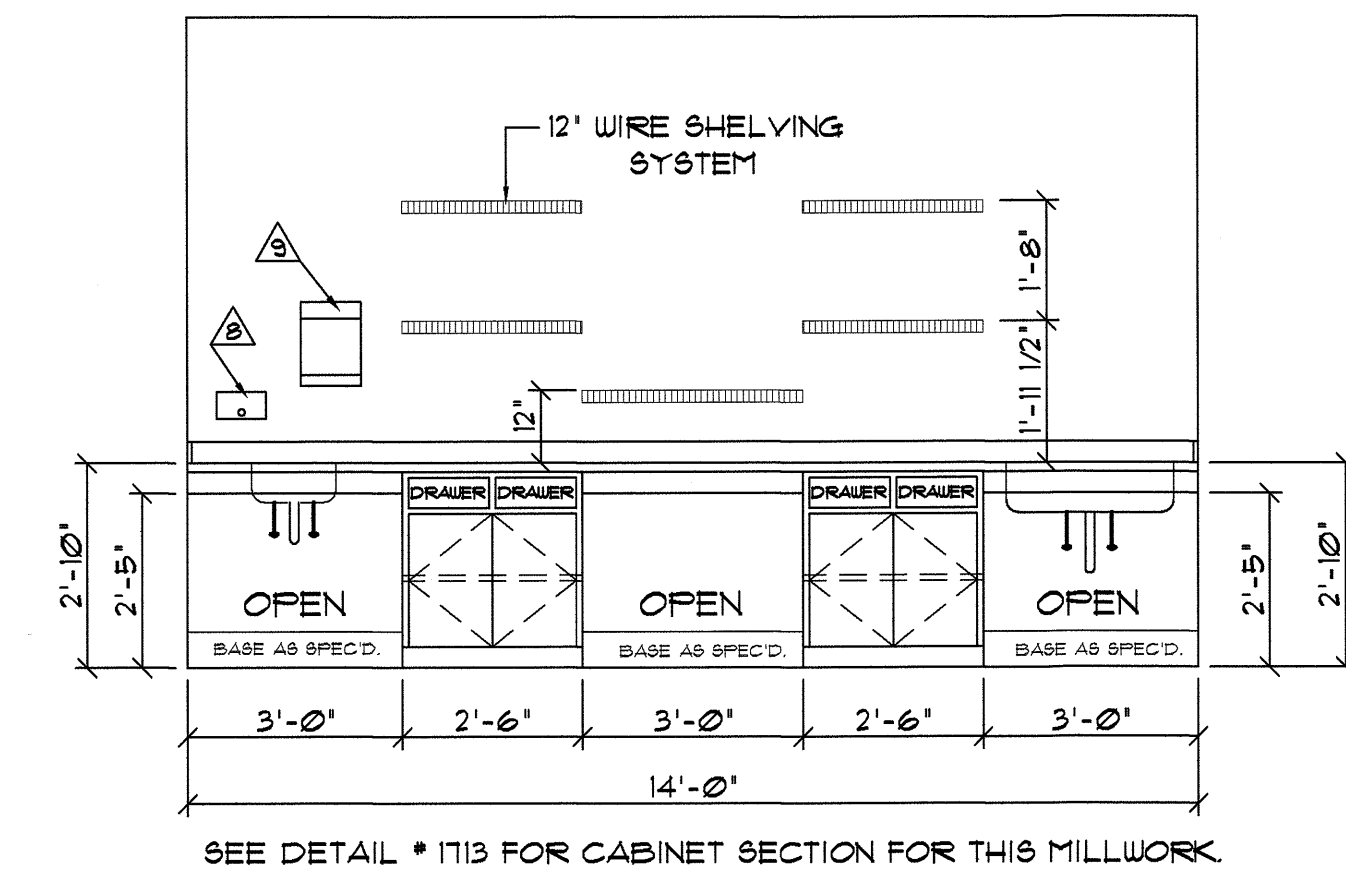
1301 ELEVATION SOIL UTILITY/
SCALE: 3/8" = 1'-0" SOIL LINEN # 33 & 79 (REV.)



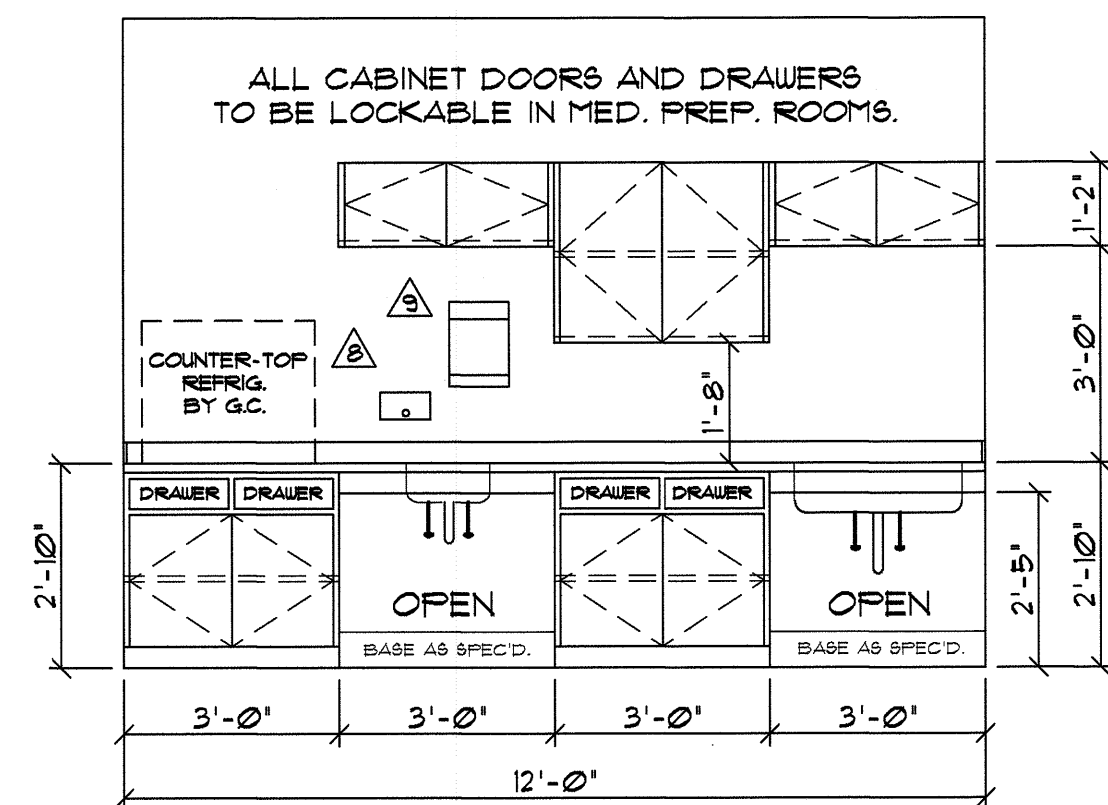
1302 ELEVATION SOIL UTILITY/
SCALE: 3/8" = 1'-0" SOIL LINEN # 66A



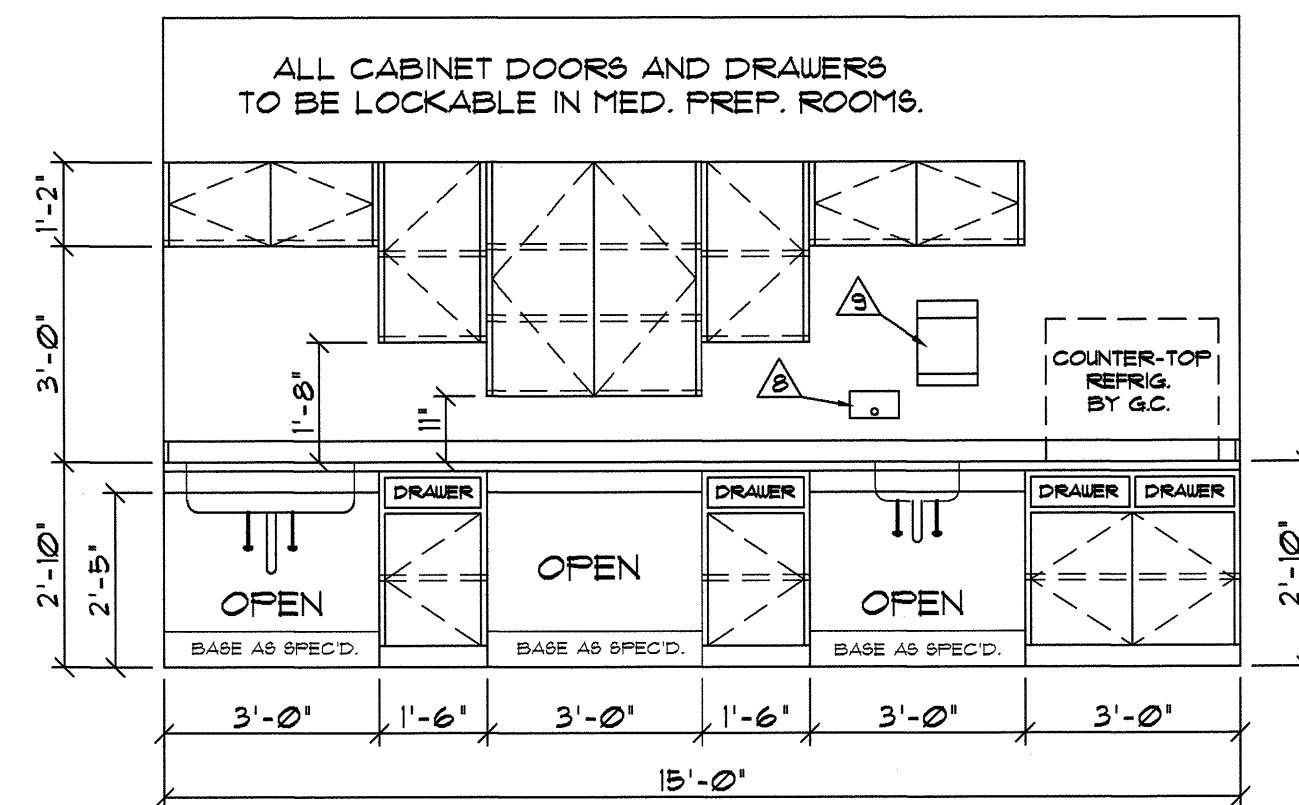
1303 ELEVATION CLEAN UTILITY/
SCALE: 3/8" = 1'-0" CLEAN LINEN # 20



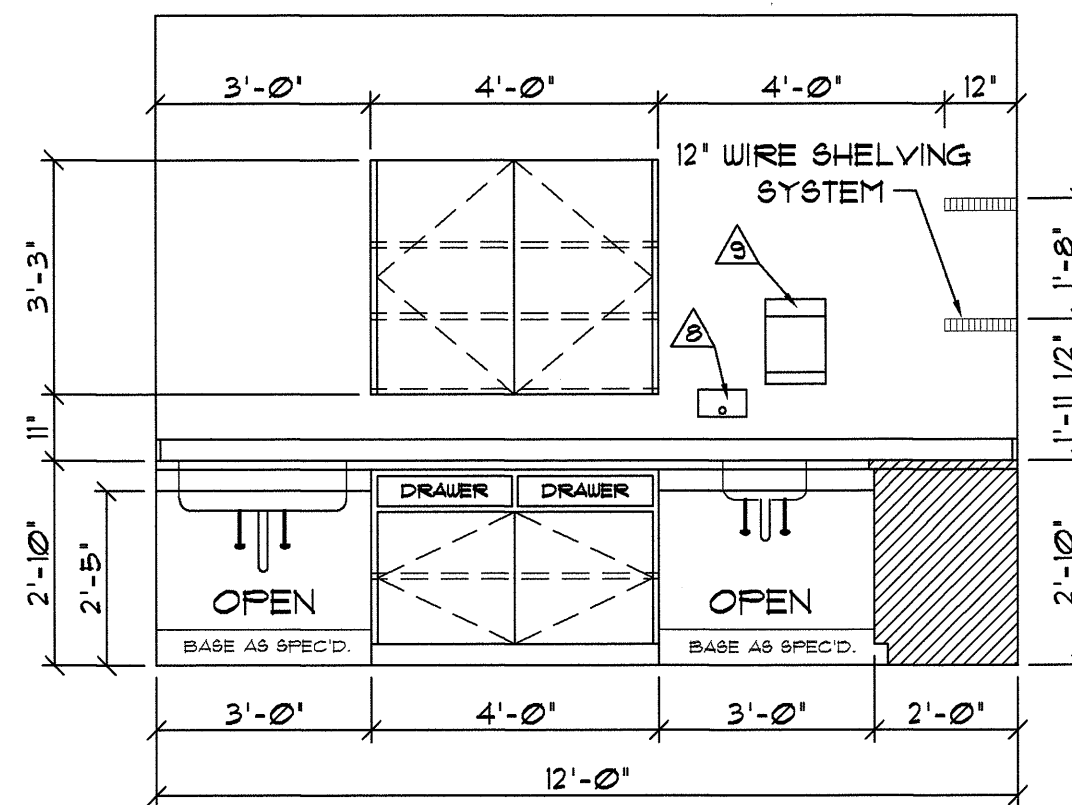
1304 ELEVATION CLEAN UTILITY/
SCALE: 3/8" = 1'-0" CLEAN LINEN # 10 & # 80 (REV.)



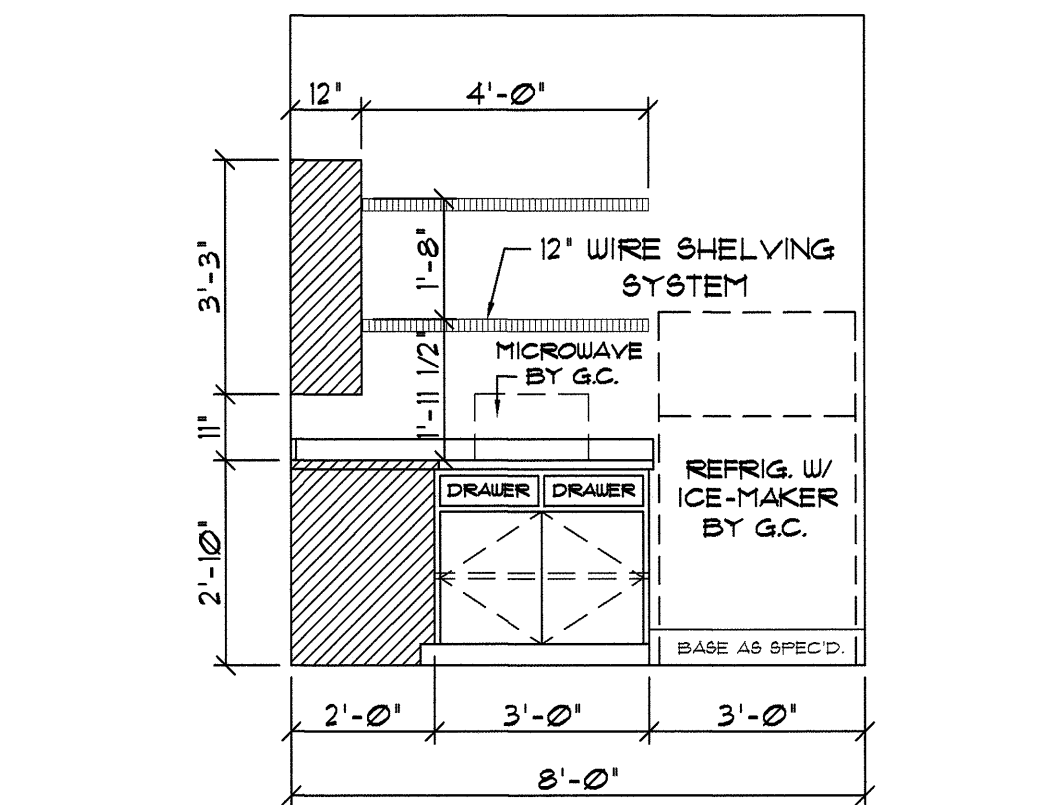
1305 ELEVATION MED. PREP.
SCALE: 3/8" = 1'-0" # 36 & 59 (REV.)



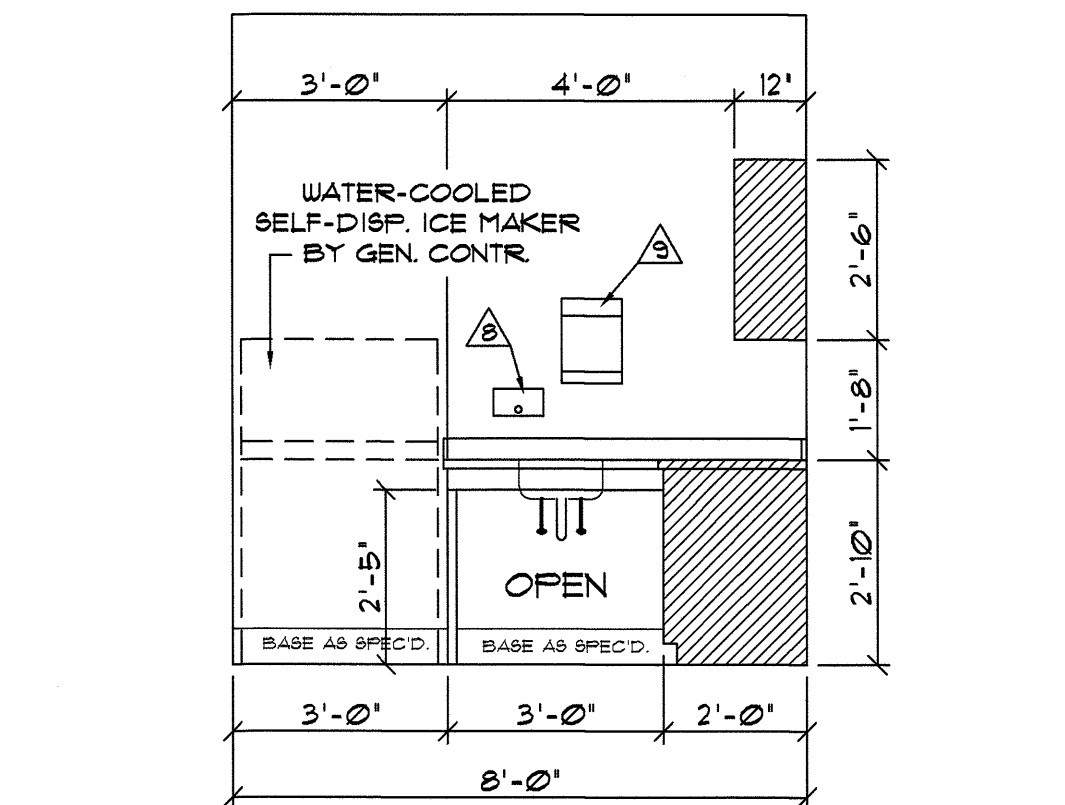
1306 ELEVATION MED. PREP. # 11
SCALE: 3/8" = 1'-0"



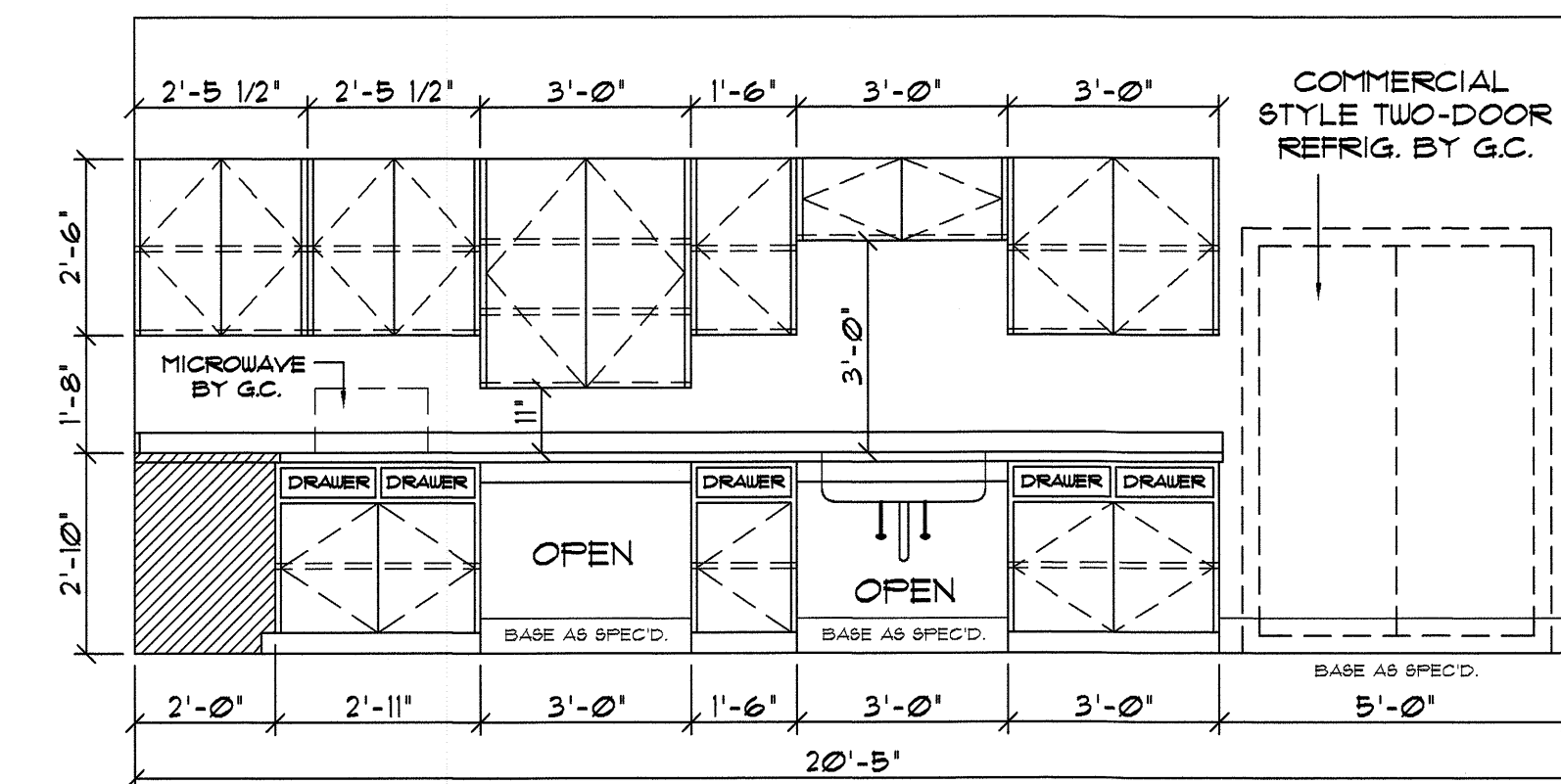
1307 ELEVATION NOUR. STA. # 68
SCALE: 3/8" = 1'-0"



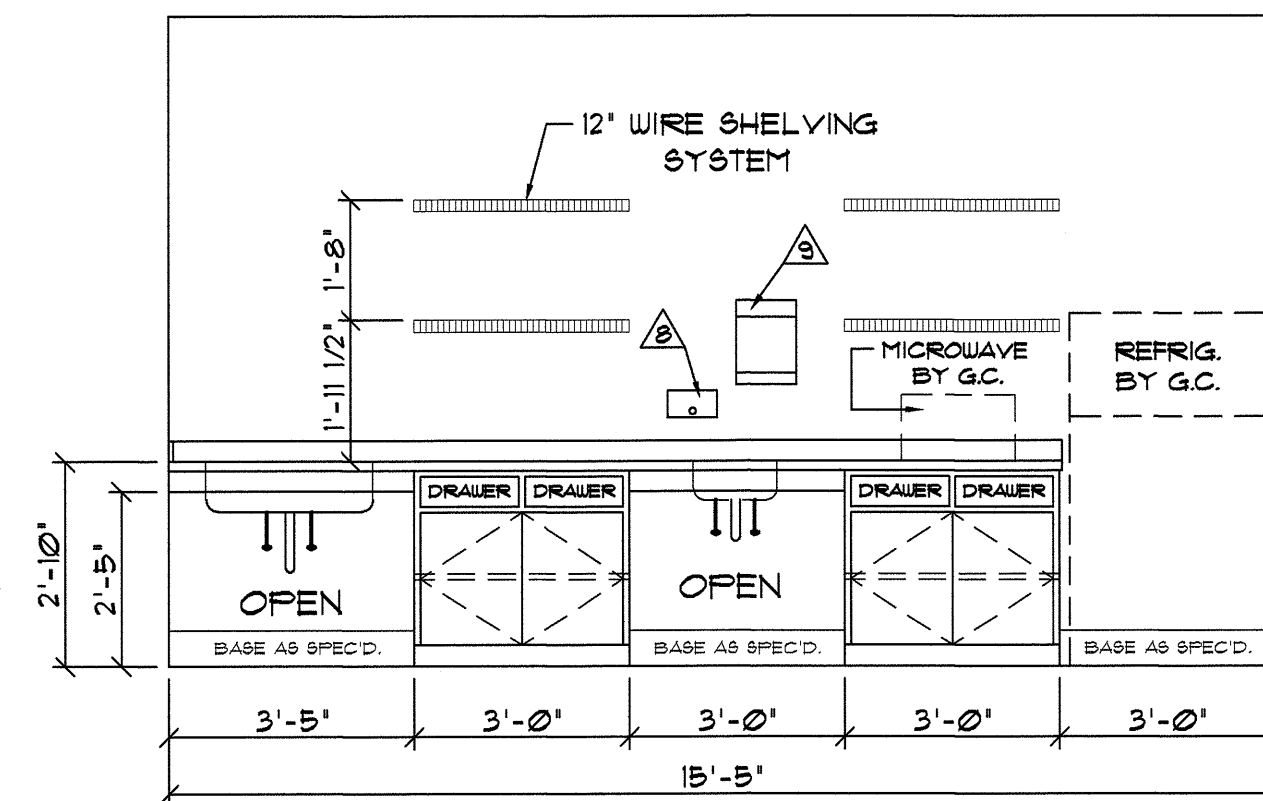
1308 ELEVATION NOUR. STA. # 68
SCALE: 3/8" = 1'-0"



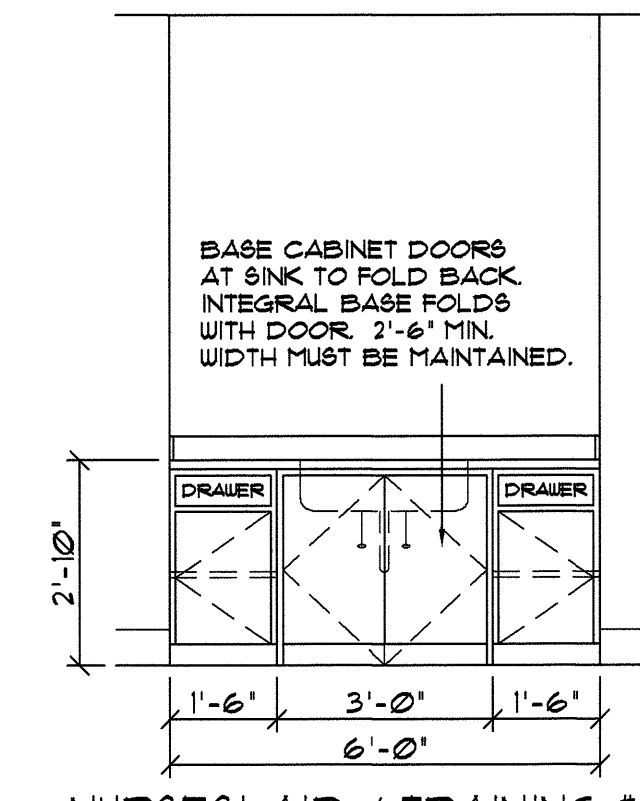
1309 ELEVATION NOUR. STA. # 29
SCALE: 3/8" = 1'-0" AND # 75



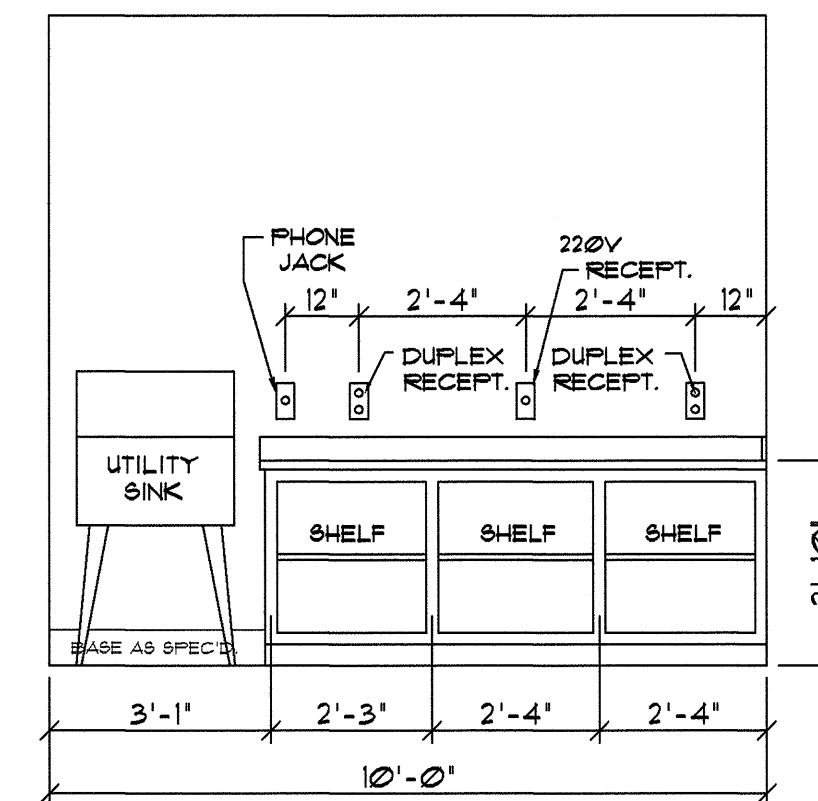
1310 ELEVATION NOUR. STATION # 29 AND # 75
SCALE: 3/8" = 1'-0"



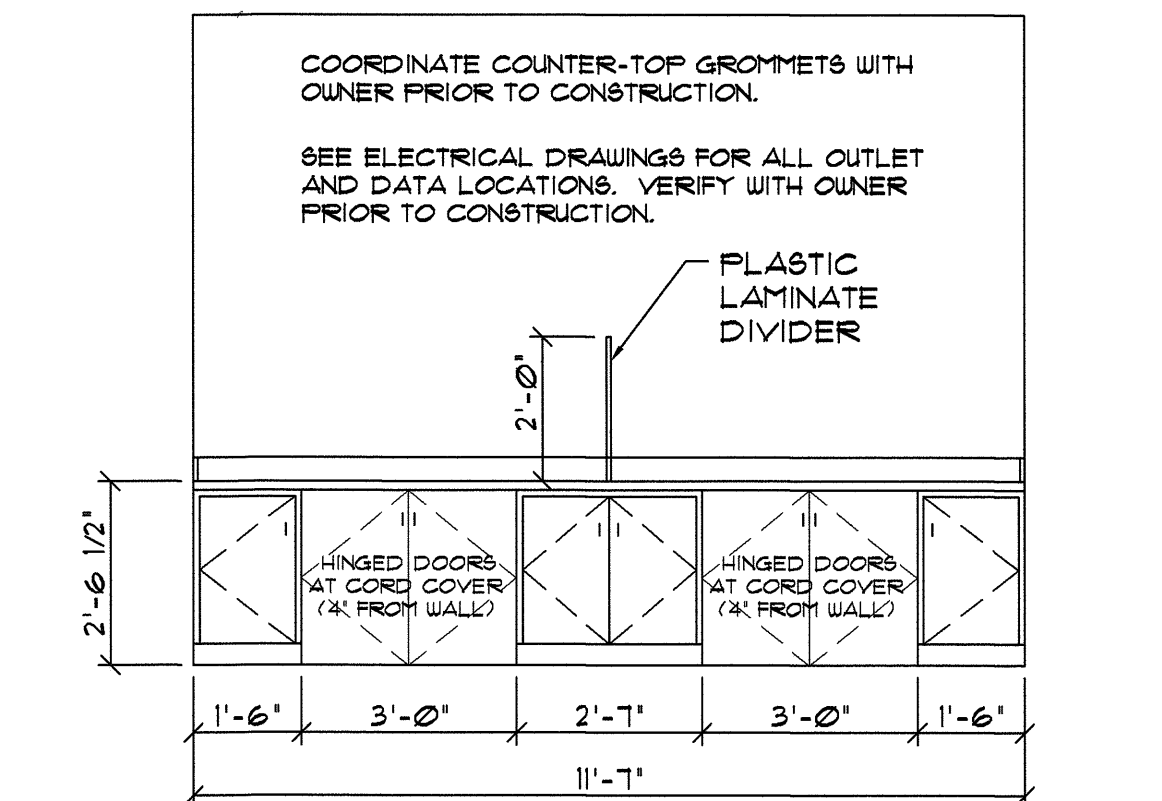
1311 ELEVATION STAFF LOUNGE # 45
SCALE: 3/8" = 1'-0"



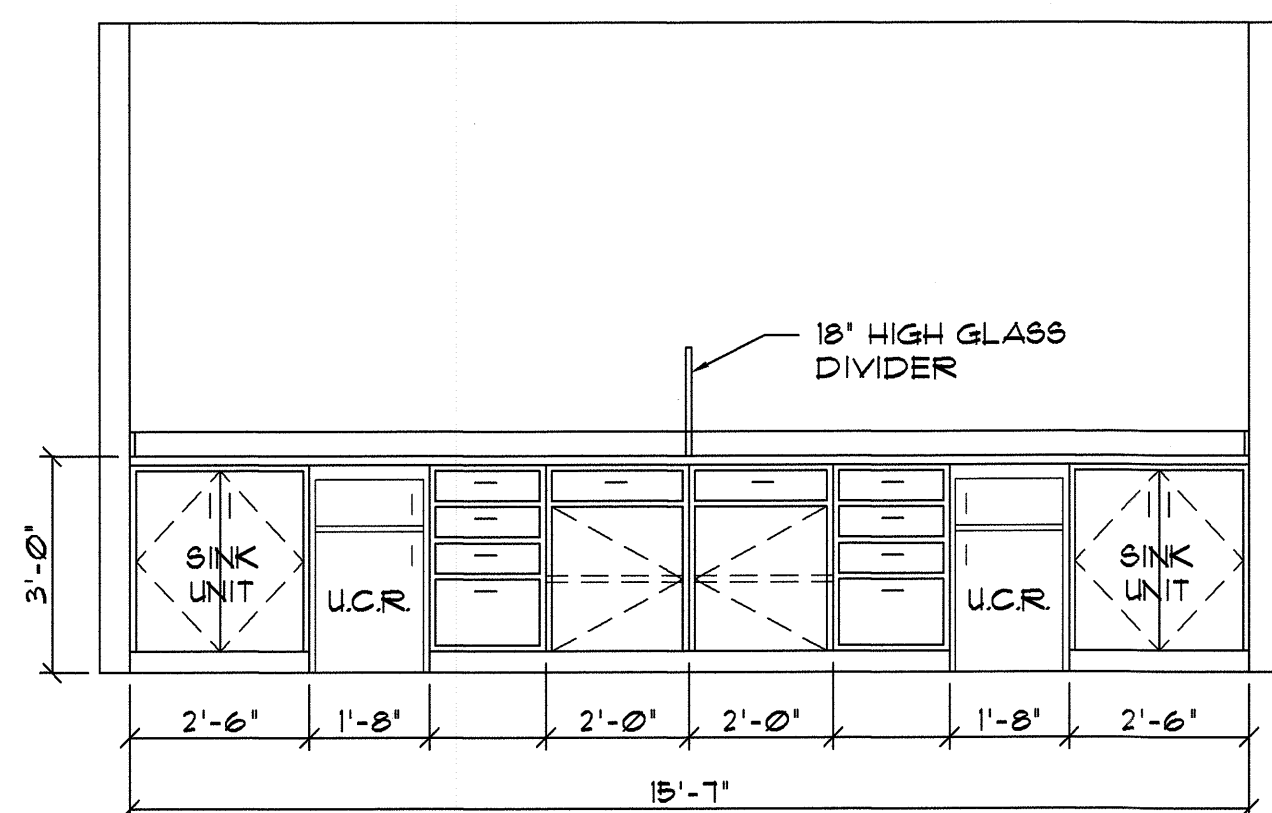
1312 ELEVATION NURSES' AID / TRAINING # 43
SCALE: 3/8" = 1'-0"



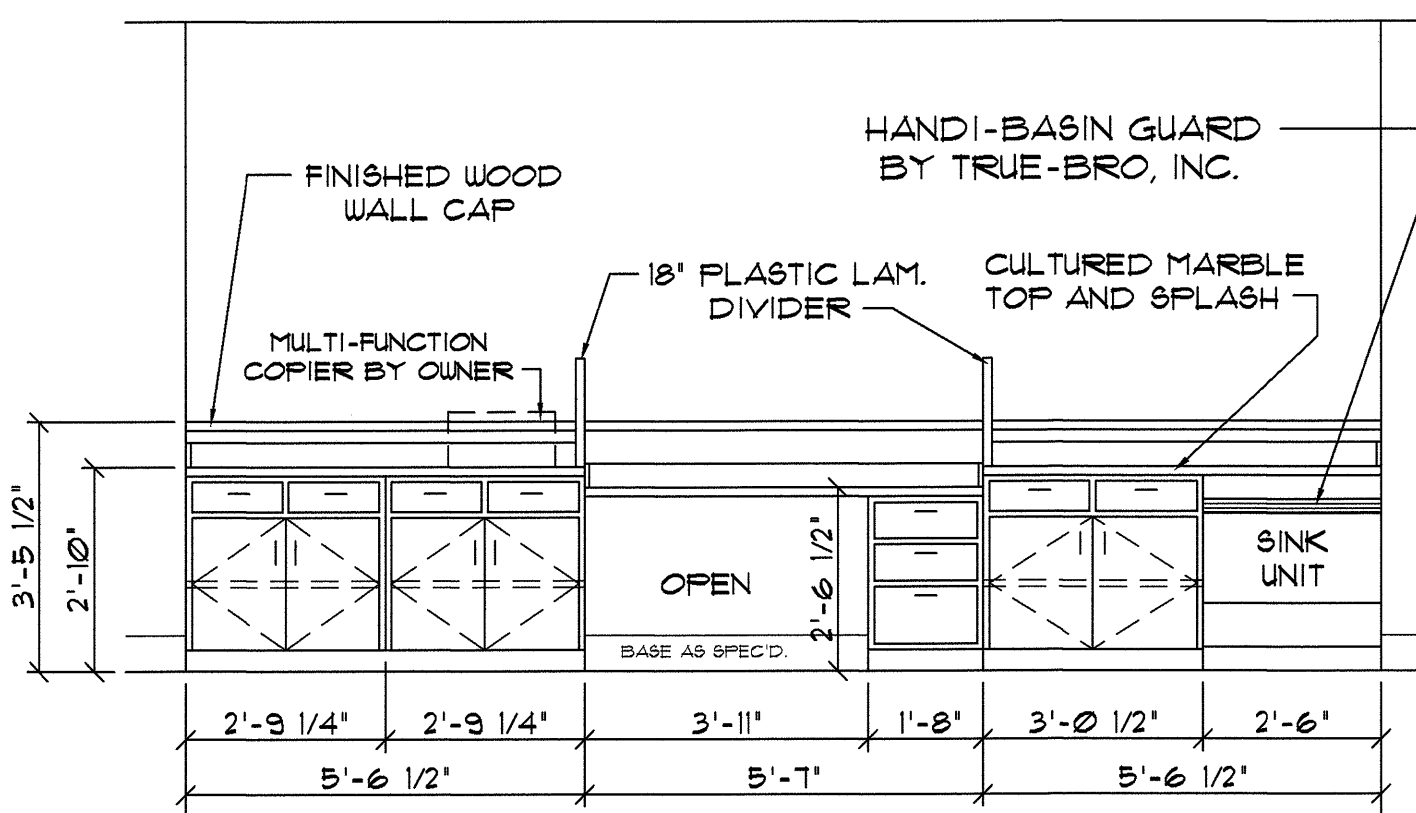
1313 ELEVATION MAINT. OFFICE # 53
SCALE: 3/8" = 1'-0"



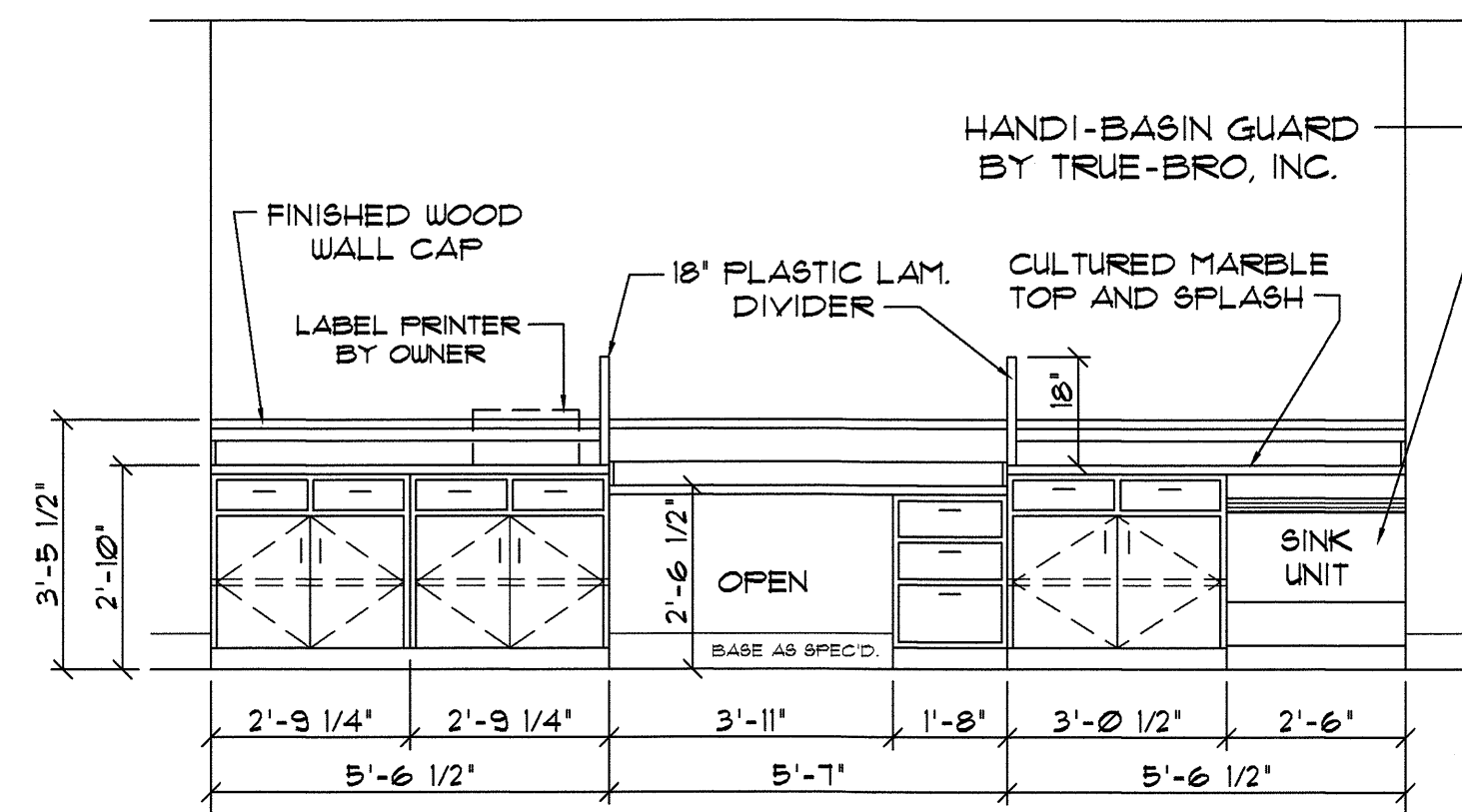
1314 ELEVATION M.D.S. OFFICE # 8 / MED. REC. OFF. # 8A
SCALE: 3/8" = 1'-0"



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



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

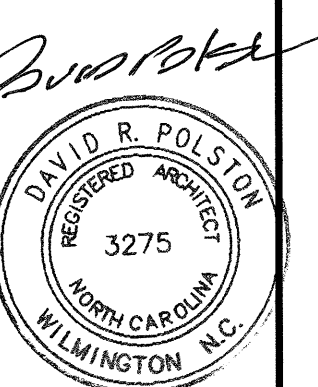


1317 ELEVATION DIALYSIS SUITE # 18
SCALE: 3/8" = 1'-0" (WORK AREA MILLWORK - RIGHT)

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

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

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



7-1-2025

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

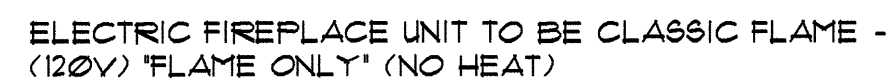
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY

A 13



LIVING AREA # 27, LIVING AREA # 77,
AND DUNCAN TAVERN # 37



LOBBY # 1A



ACT.
ROOM # 57



BEAUTY SALON # 54



DUNCAN TAVERN # 37



OCCUP. THERAPY MILLWORK - PHYSICAL THERAPY # 38

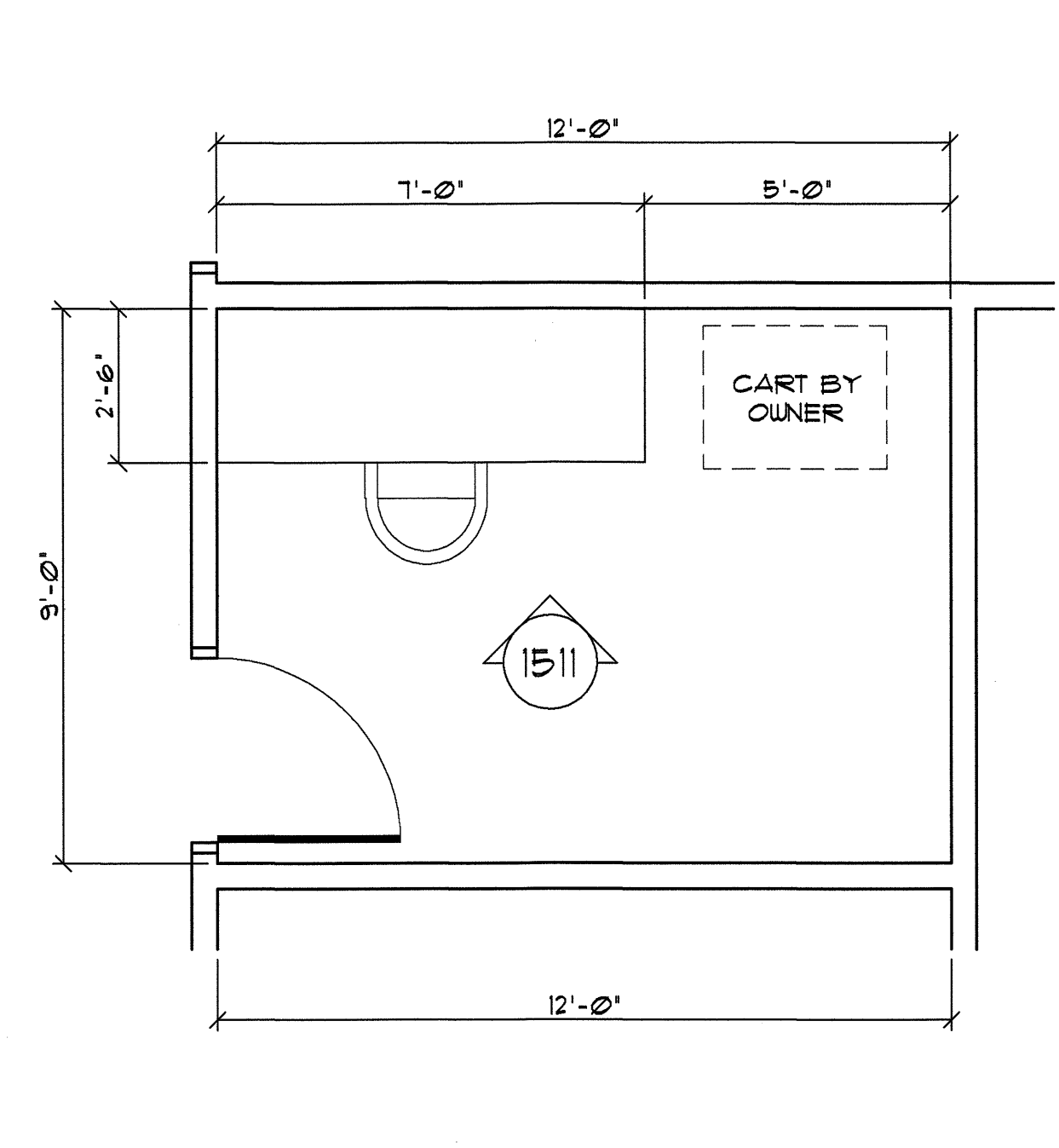
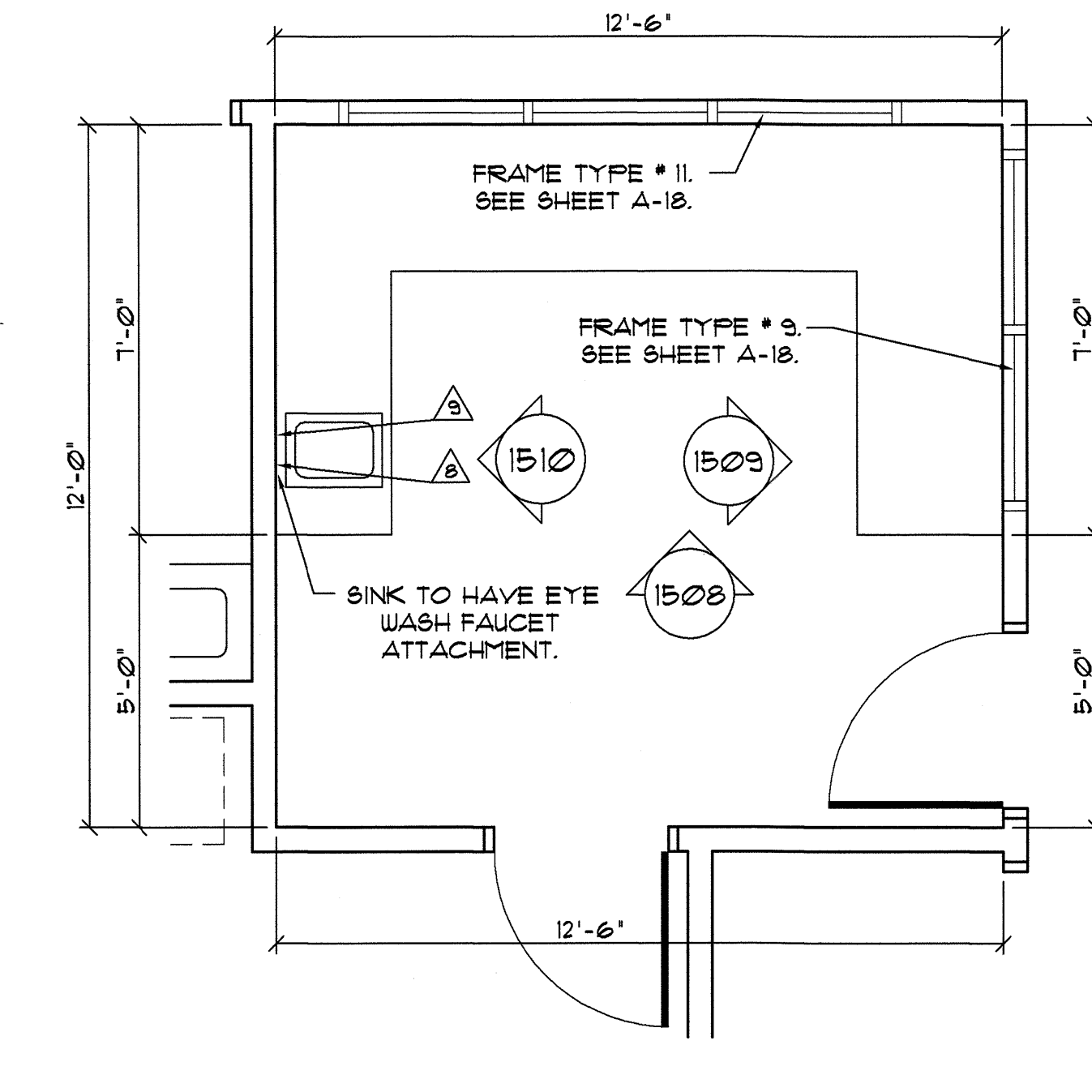
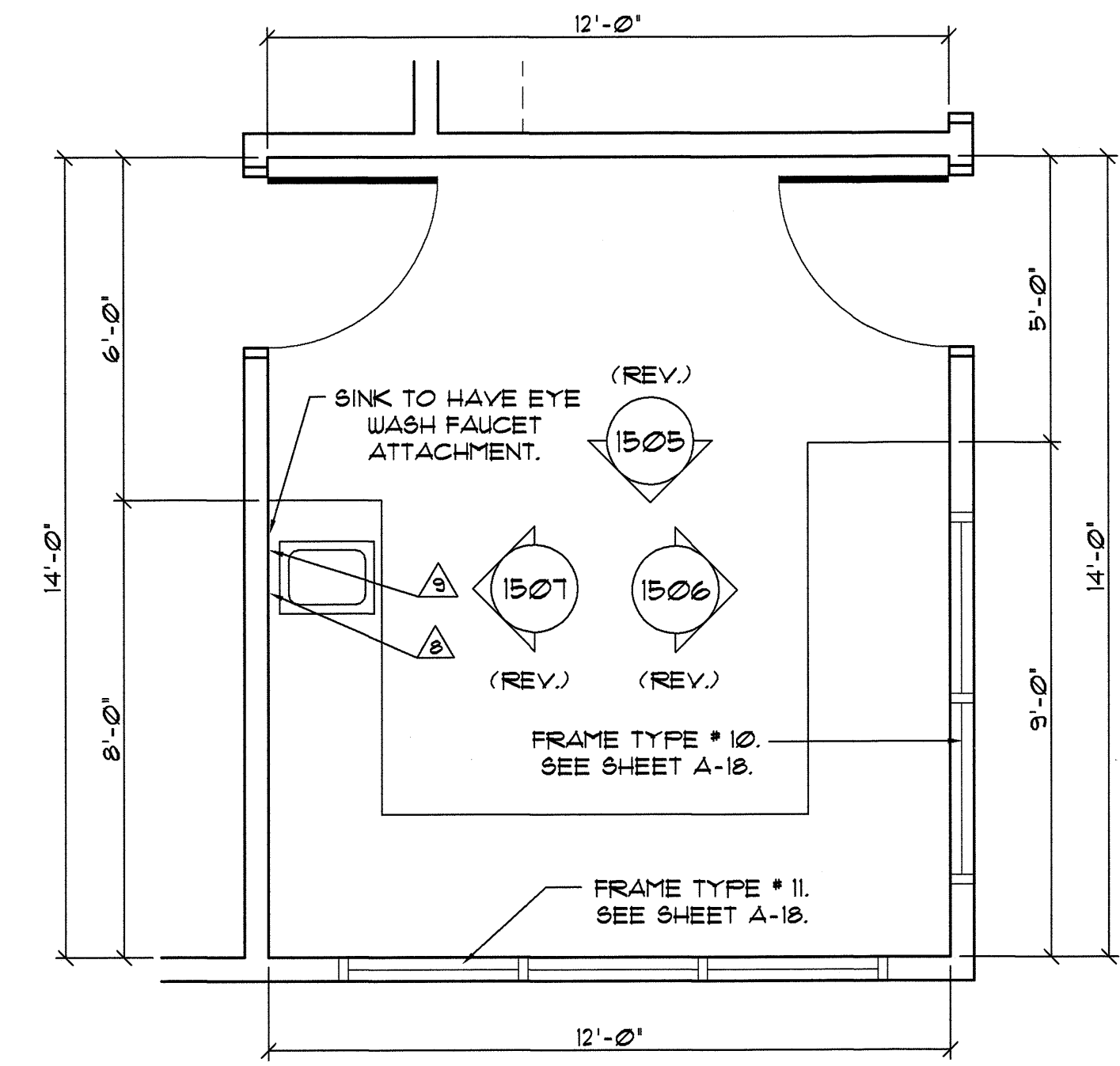
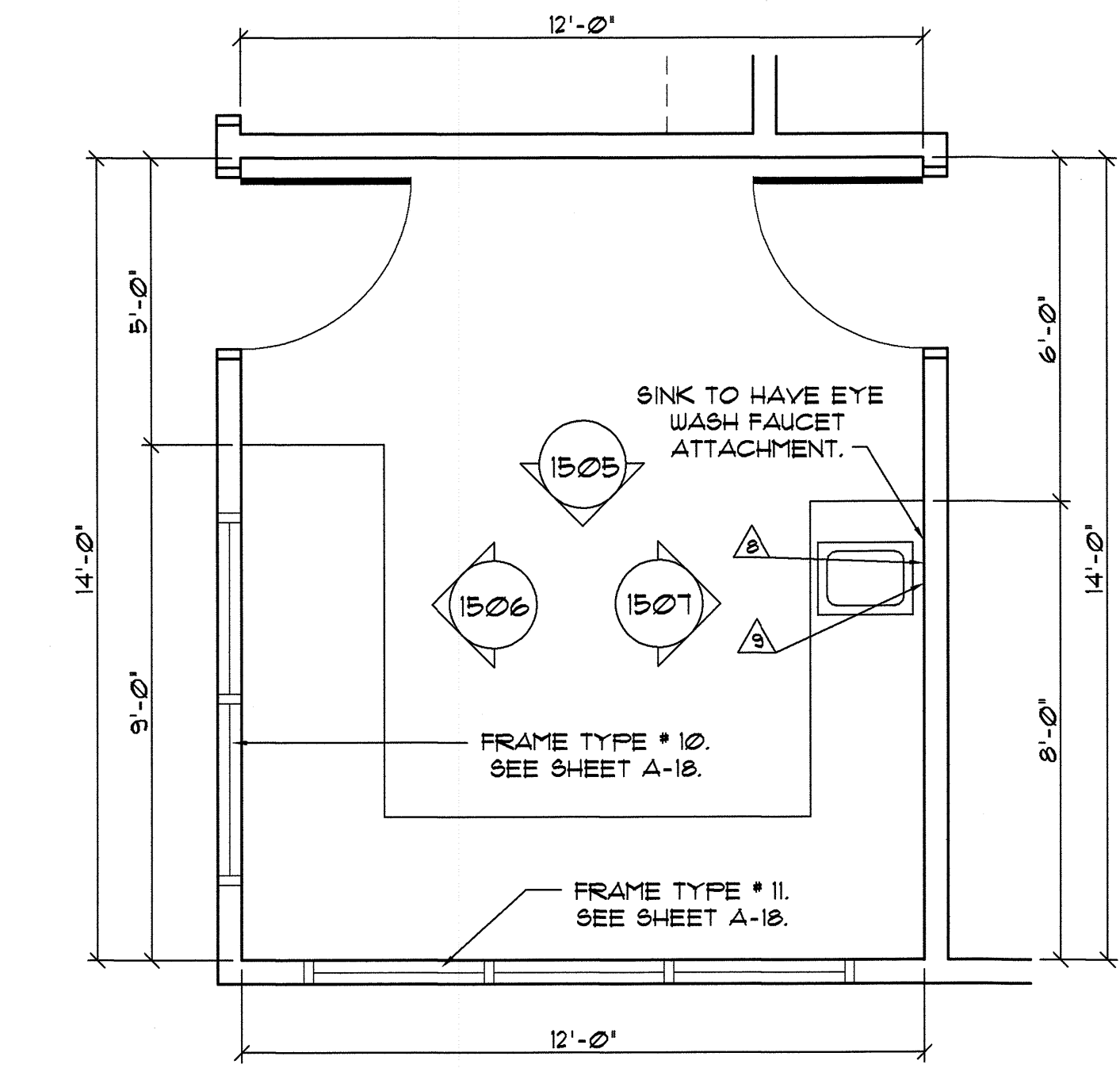


DINING ROOM # 28 AND # 76



PLANTERS OUTSIDE BEDROOMS # 205, # 207, # 210, # 212,
506, # 508, # 509, AND # 511

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



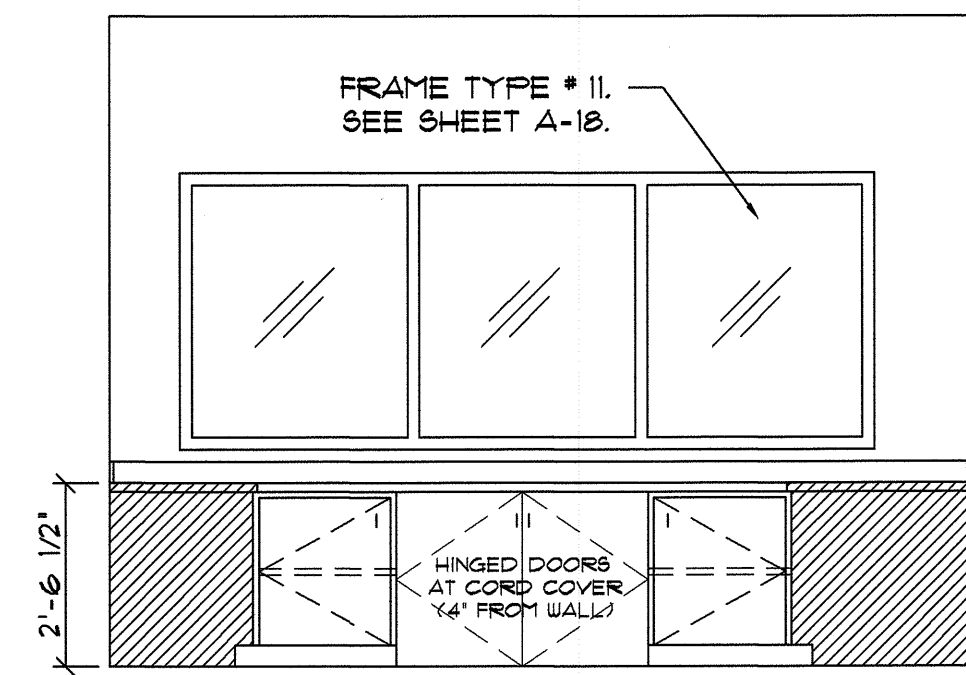
1501 FLOOR PLAN NURSES' STATION # 35
SCALE: 3/8" = 1'-0"

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

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

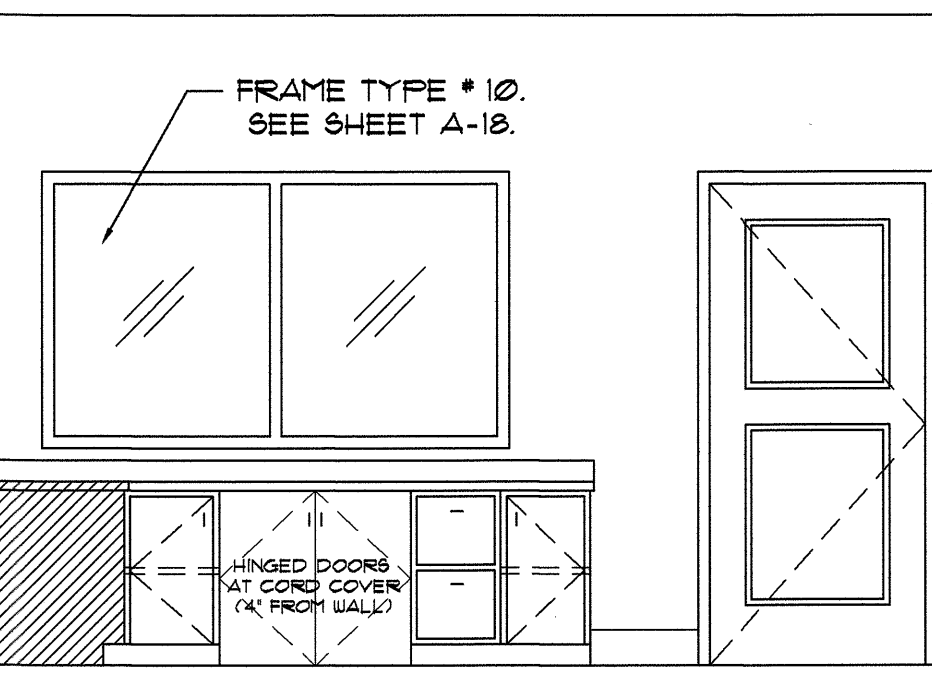
1504 FLOOR PLAN CONTROL POINT # 42A
SCALE: 3/8" = 1'-0"

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



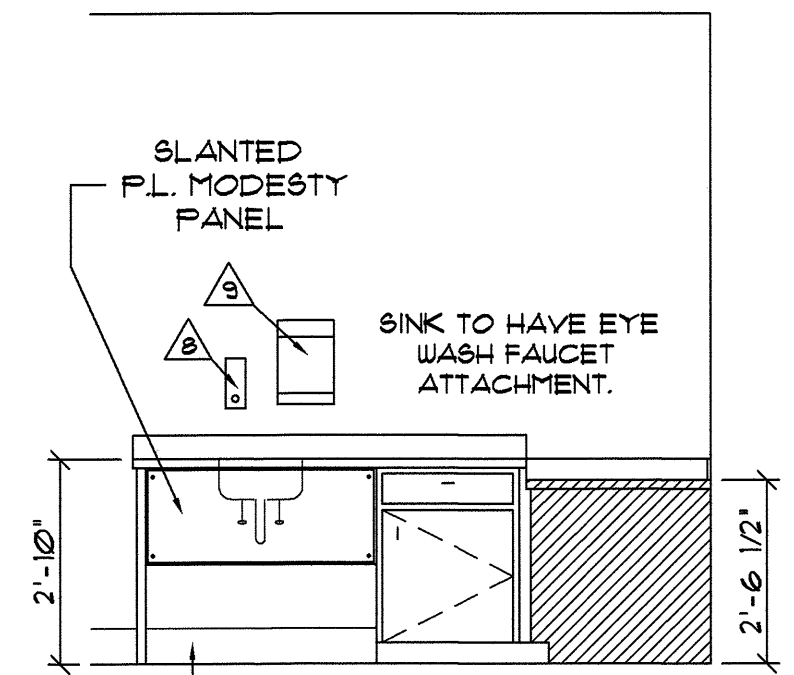
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

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



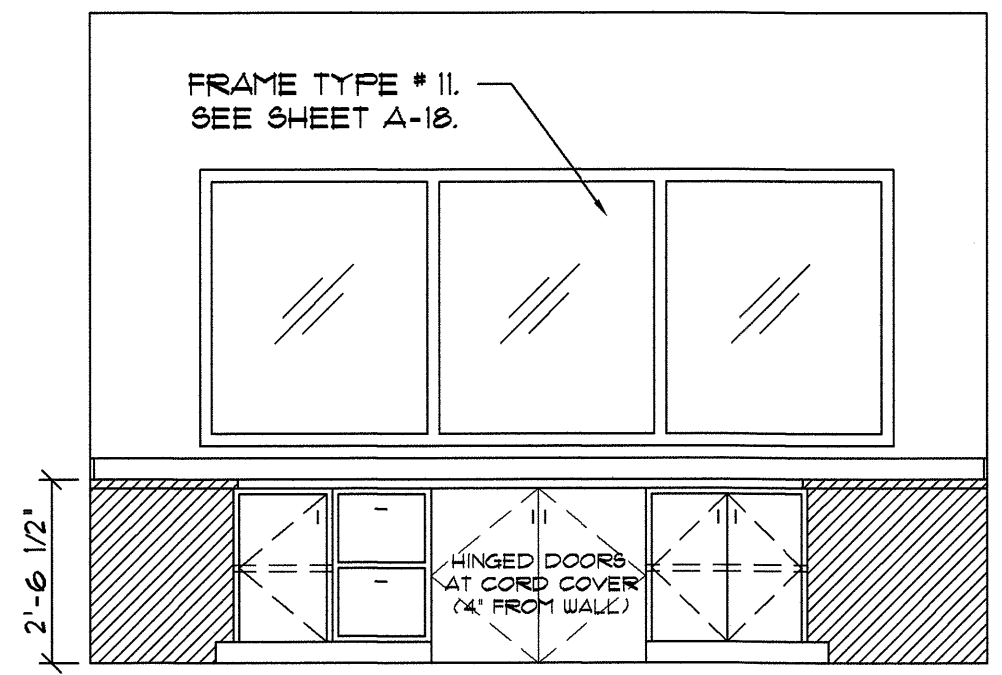
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

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



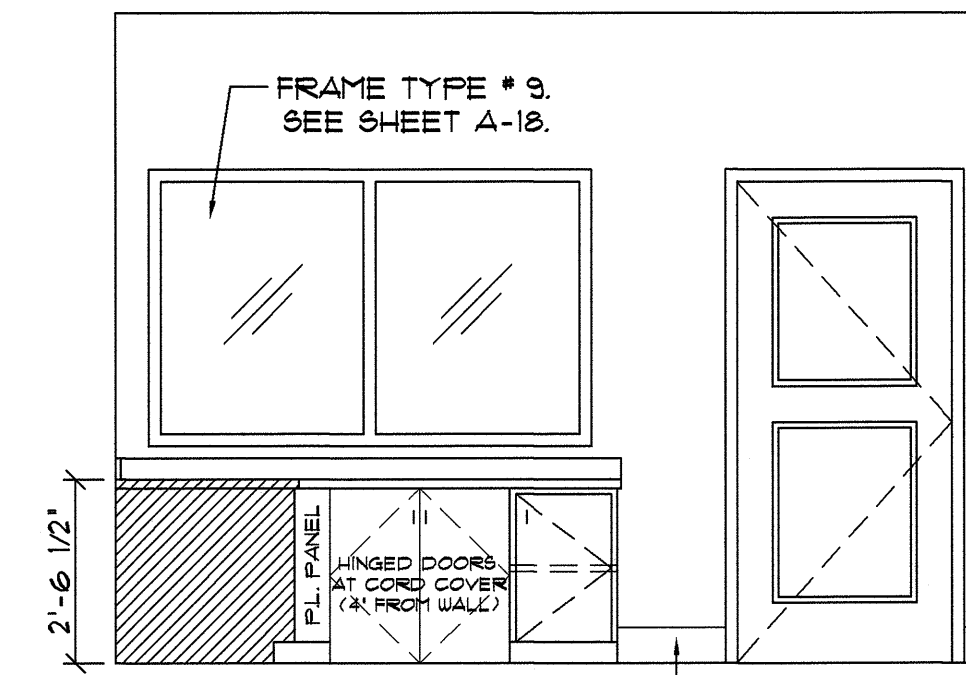
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.
NURSES' STATIONS # 35 AND # 60 (REV.)

1507 ELEVATION NURSES' STATIONS # 35 AND # 60 (REV.)
SCALE: 3/8" = 1'-0"



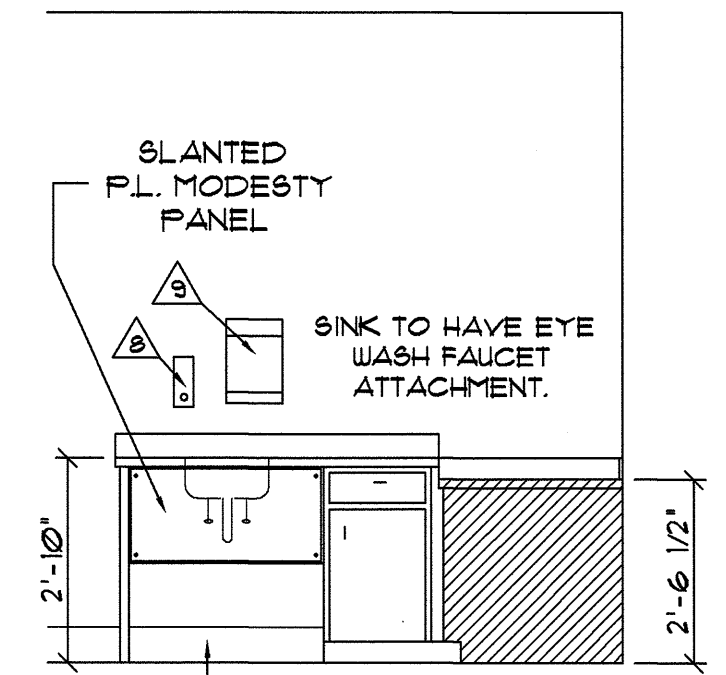
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

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



COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

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



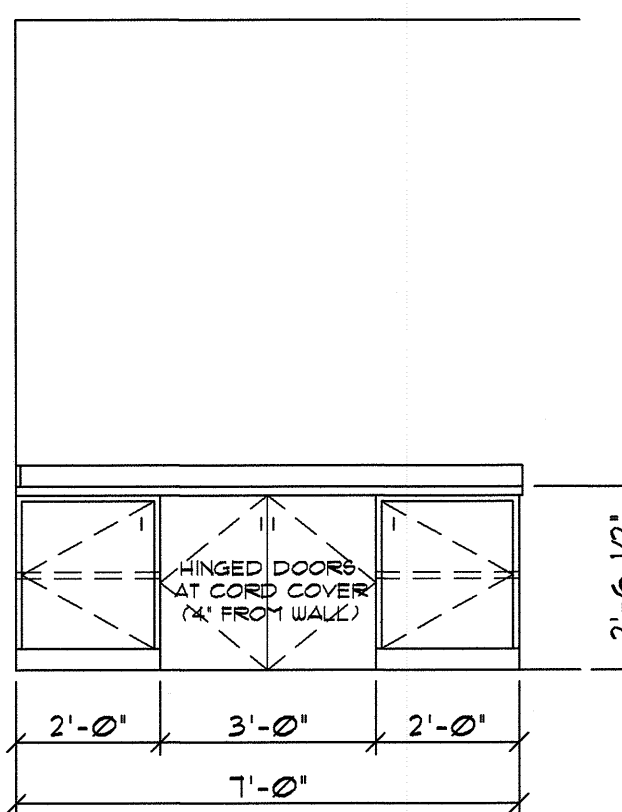
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

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

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

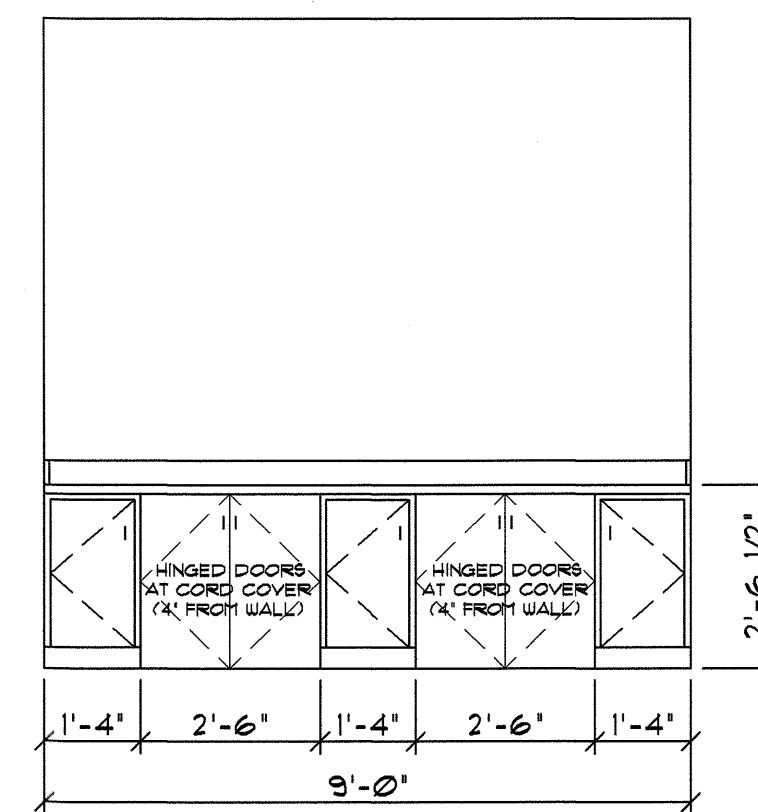
NOTE: PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED H.W. AND WASTE PIPING AT SINKS.

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



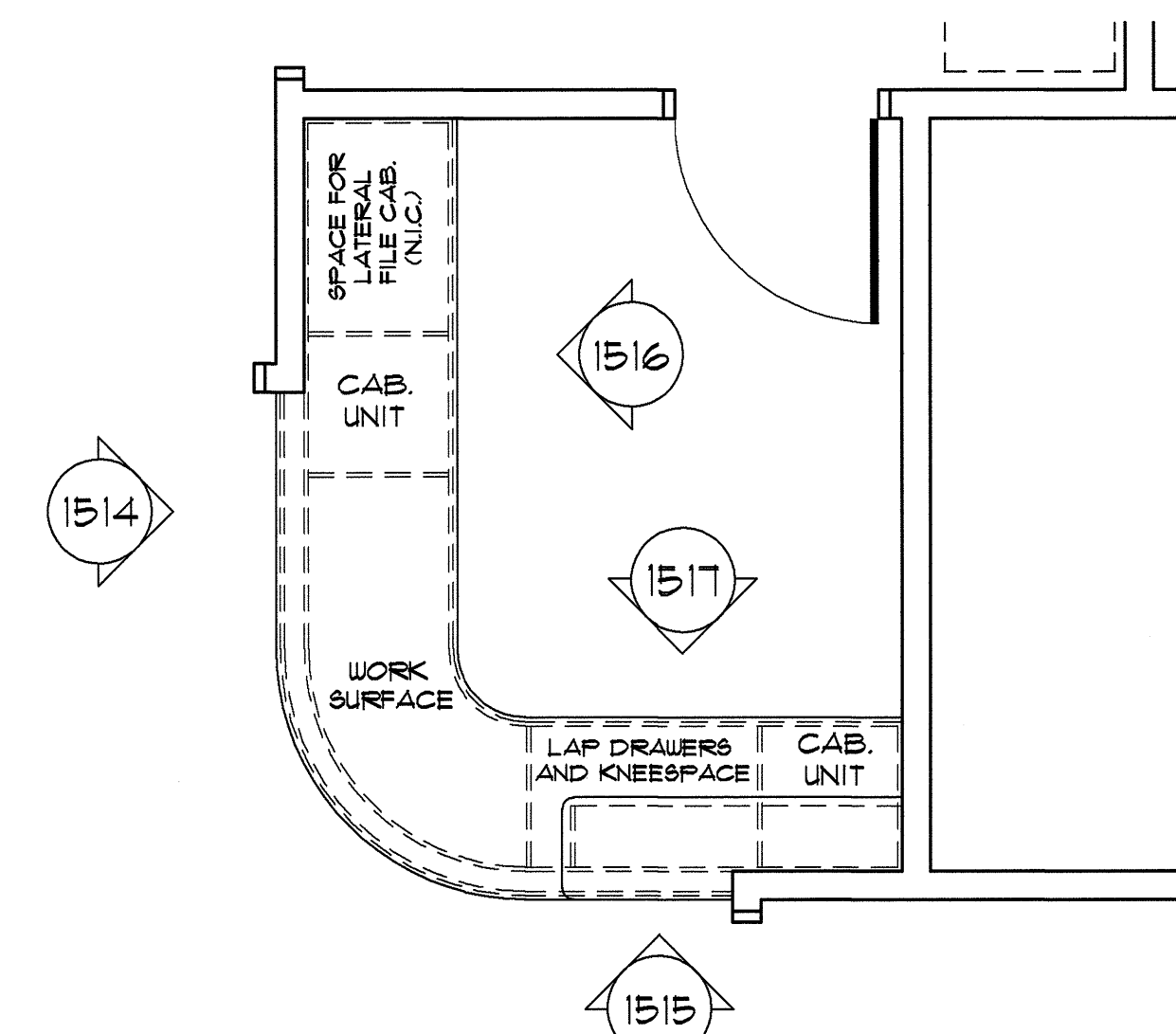
COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

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

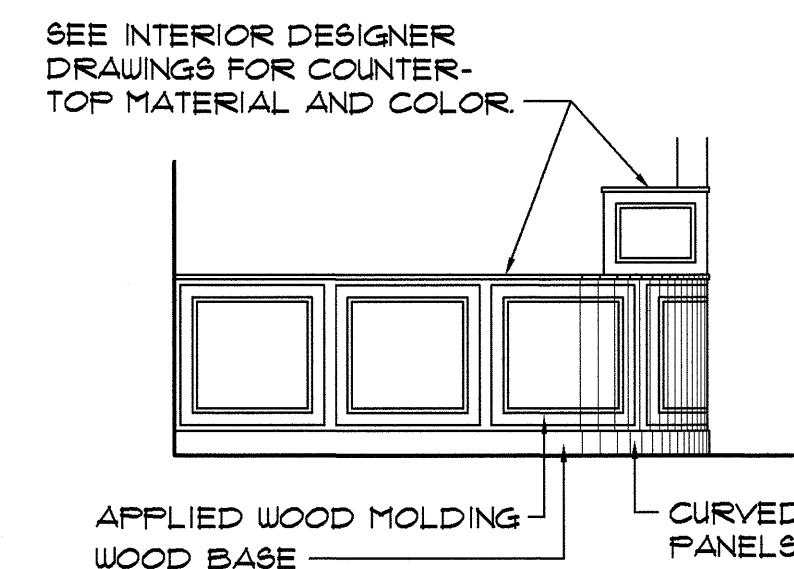


COORDINATE COUNTER-TOP GROMMETS WITH OWNER PRIOR TO CONSTRUCTION.

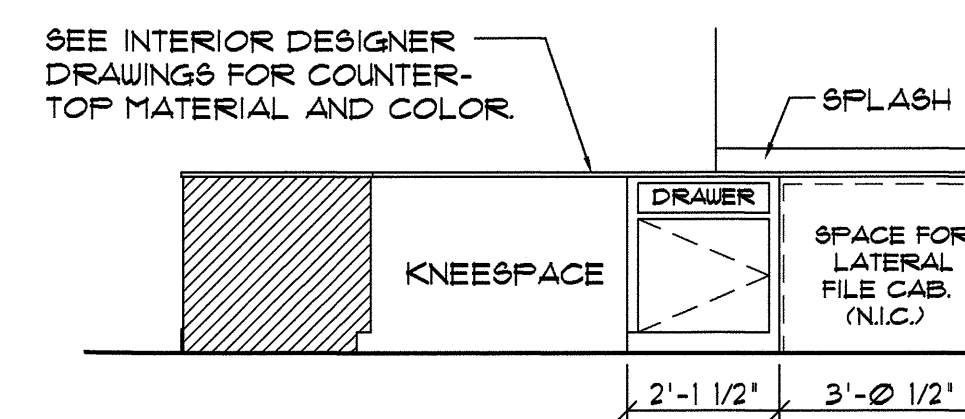
1512 ELEVATION COPIER # 11
SCALE: 3/8" = 1'-0"



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

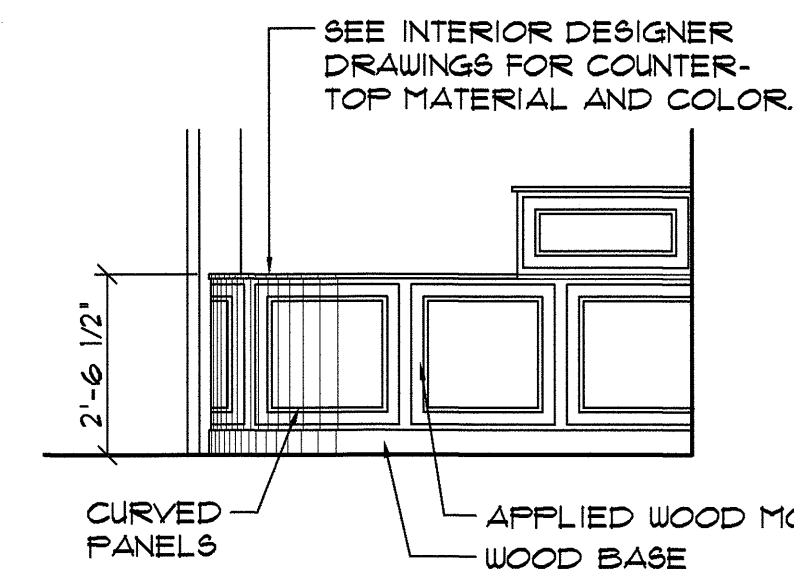


1514 ELEVATION RECEPTION # 13 COUNTER
SCALE: 3/8" = 1'-0"

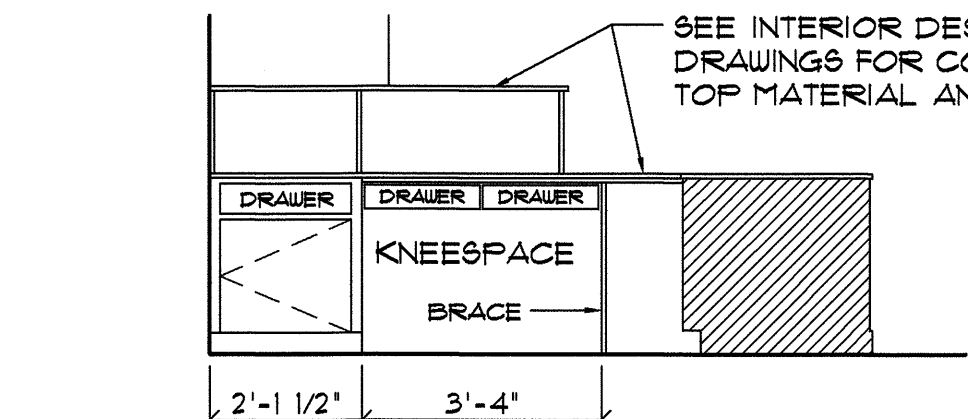


PLASTIC LAMINATE ON ALL INTERIOR EXPOSED SURFACES. COLOR TO BE SELECTED BY OWNER.

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

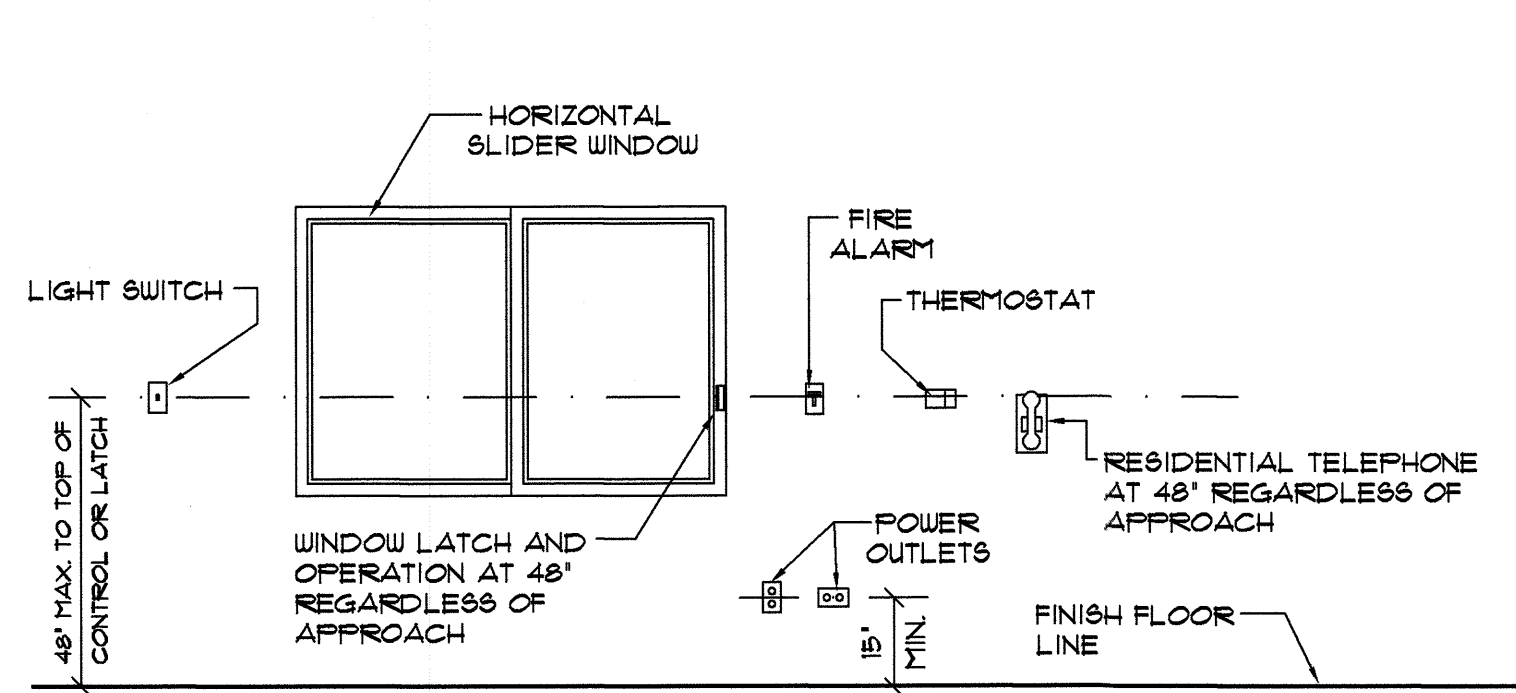


1515 ELEVATION RECEPTION # 13 COUNTER
SCALE: 3/8" = 1'-0"

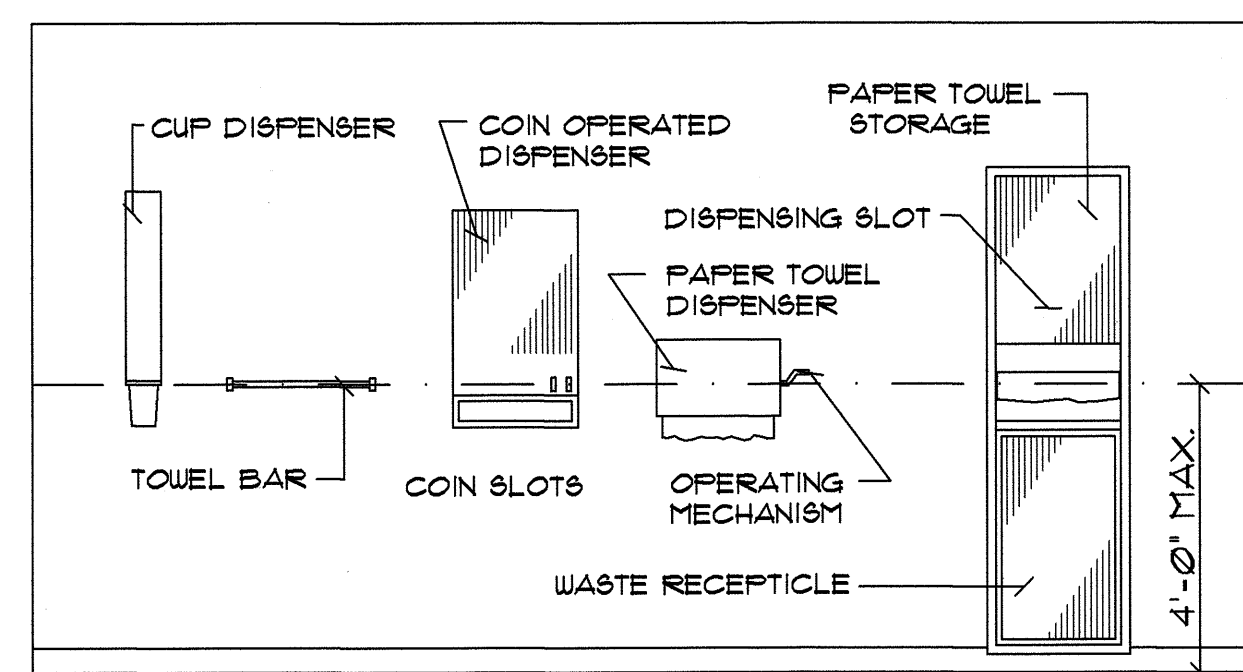


PLASTIC LAMINATE ON ALL INTERIOR EXPOSED SURFACES. COLOR TO BE SELECTED BY OWNER.

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

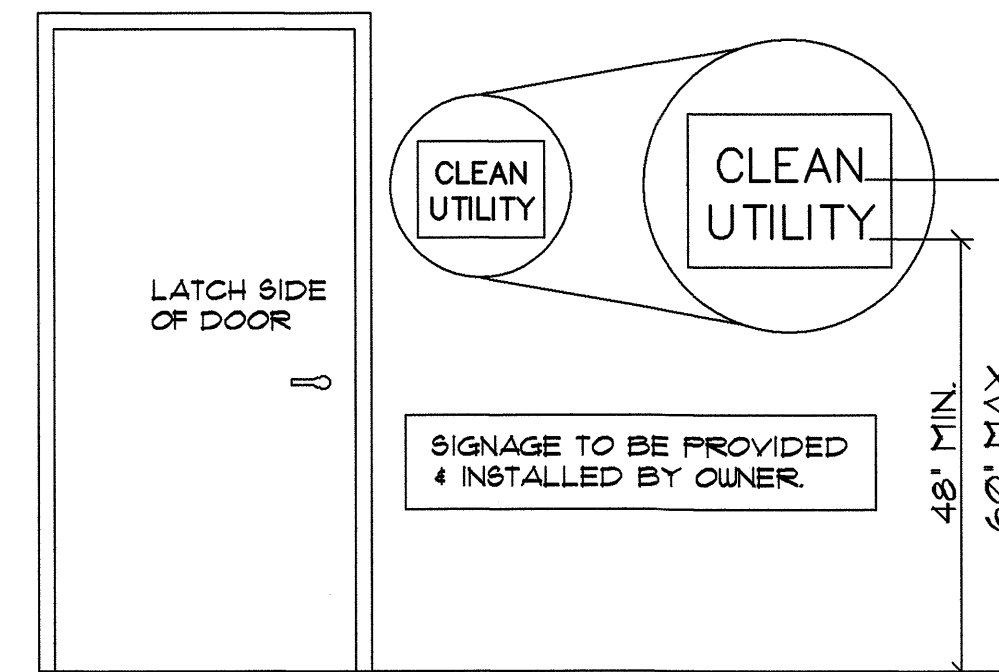


1601 DETAIL MOUNTING HEIGHT REQUIREMENTS
SCALE: N.T.S.



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

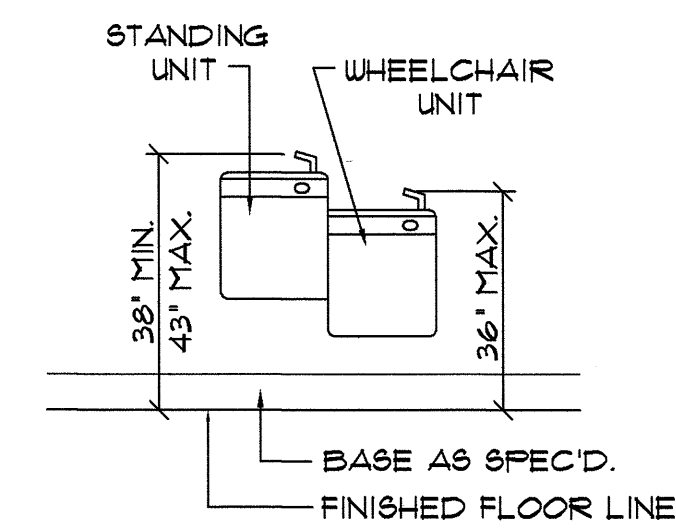
1602 ELEVATION MOUNTING HGHTS. - TOWEL BARS, DISPENSERS, DISPOSALS, ETC.
SCALE: 3/8" = 1'-0"



NOTE: ALL SIGNAGE PROVIDED BY THE OWNER SHALL COMPLY WITH ALL MOUNTING HEIGHTS, CHARACTER, AND BRAILLE REQUIREMENTS OF ANSI A111.1-03.

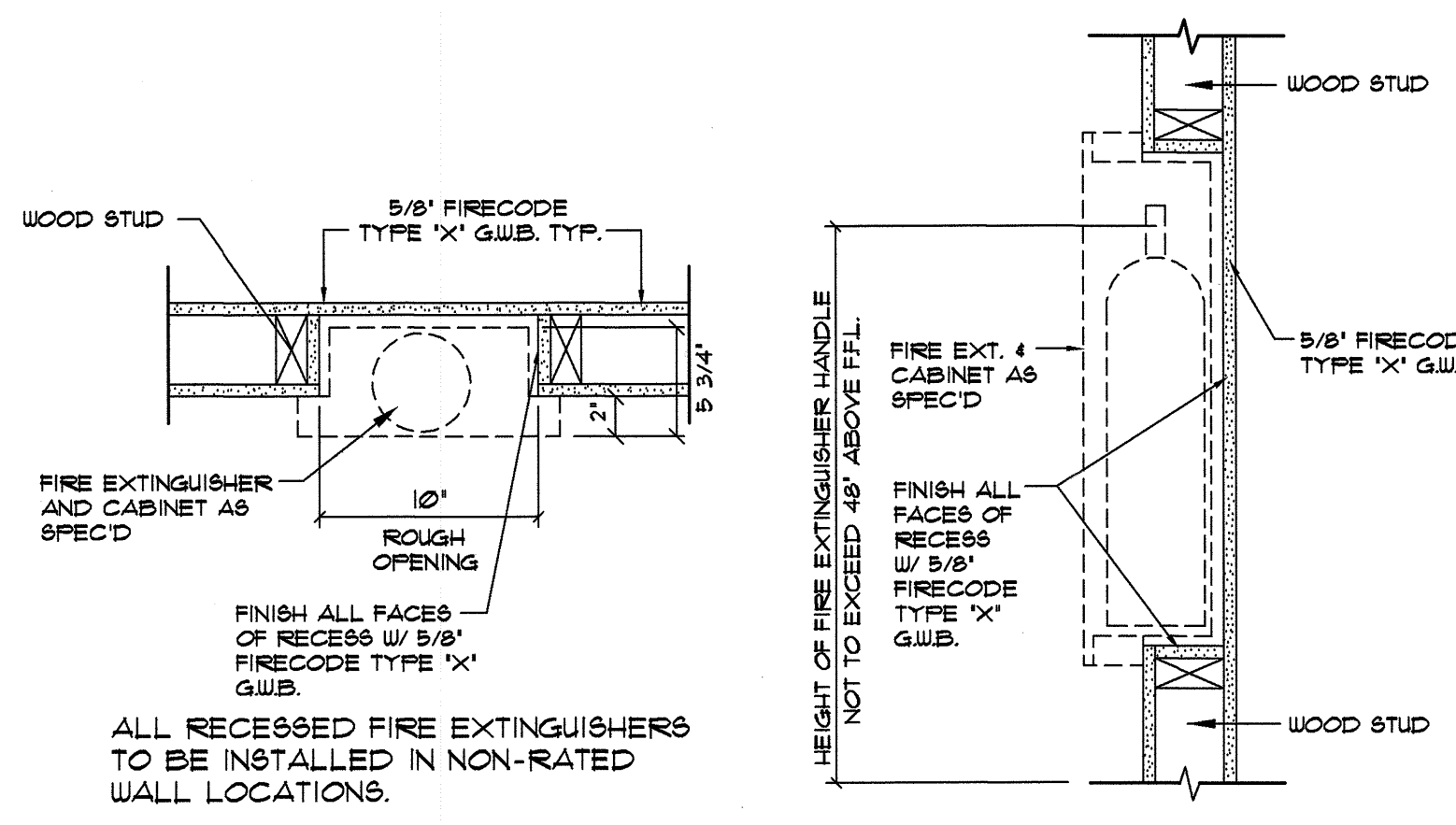
1603 DETAIL SIGNAGE LOCATION
SCALE: 1/2" = 1'-0"

NOTES:
CHARACTER PROPORTIONS:
WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 3:5 & 4:11; STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10
CHARACTER HEIGHT: MIN CHARACTER HEIGHT SHALL BE 3"
RAISED & BRAILLED CHARACTERS & PICTORIAL SYMBOL SIGNS (PICTOGRAMS):
RAISED 1/32" MIN. UPPER CASE, 5/64" SERIF OR SIMPLE SERIF ACCOMPANIED W/ GRADE 2 BRAILLE. RAISED CHARACTERS AT LEAST 5/8" HIGH, NO HIGHER THAN 2". PICTO. ACCOMPANIED BY EQUIVALENT DESCRIPTION DIRECTLY BELOW PICTOGRAM. BORDER DIMENSION 6" MIN. HT.
FINISH & CONTRAST, CHARACTERS:
& BACKGROUND EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH SHALL CONTRAST WITH BACKGROUND & EITHER LIGHT ON DARK OR DARK ON LIGHT.
MOUNTING LOCATION & HEIGHT:
PERMANENT IDENTIFICATION INSTALLED ADJACENT TO LATCH SIDE OF DOOR, WHERE THERE IS NO WALL SPACE ADJACENT TO THE LATCH SIDE, PLACE ON NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE FIN. FLOOR TO CENTERLINE OF SIGNAGE, SO THAT PERSON MAY APPROACH W/IN 3' OF SIGNAGE W/OUT PROTRUSIONS OR BUNG OF DOOR.



HIGH / LOW WATER COOLER SPOUT LOCATION AND WATER FLOW TO COMPLY WITH ANSI 111.1 - 2003 SECTIONS 602.5 AND 602.3.

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



PLAN

FIRE EXTINGUISHERS SHALL BE:

TYPE 'A':
POTTER-ROEMER NO. 3010
10 LB. 4A:60 B:C
CLASS A B C FIRES
ABC MULTIPURPOSE DRY
CHEMICAL

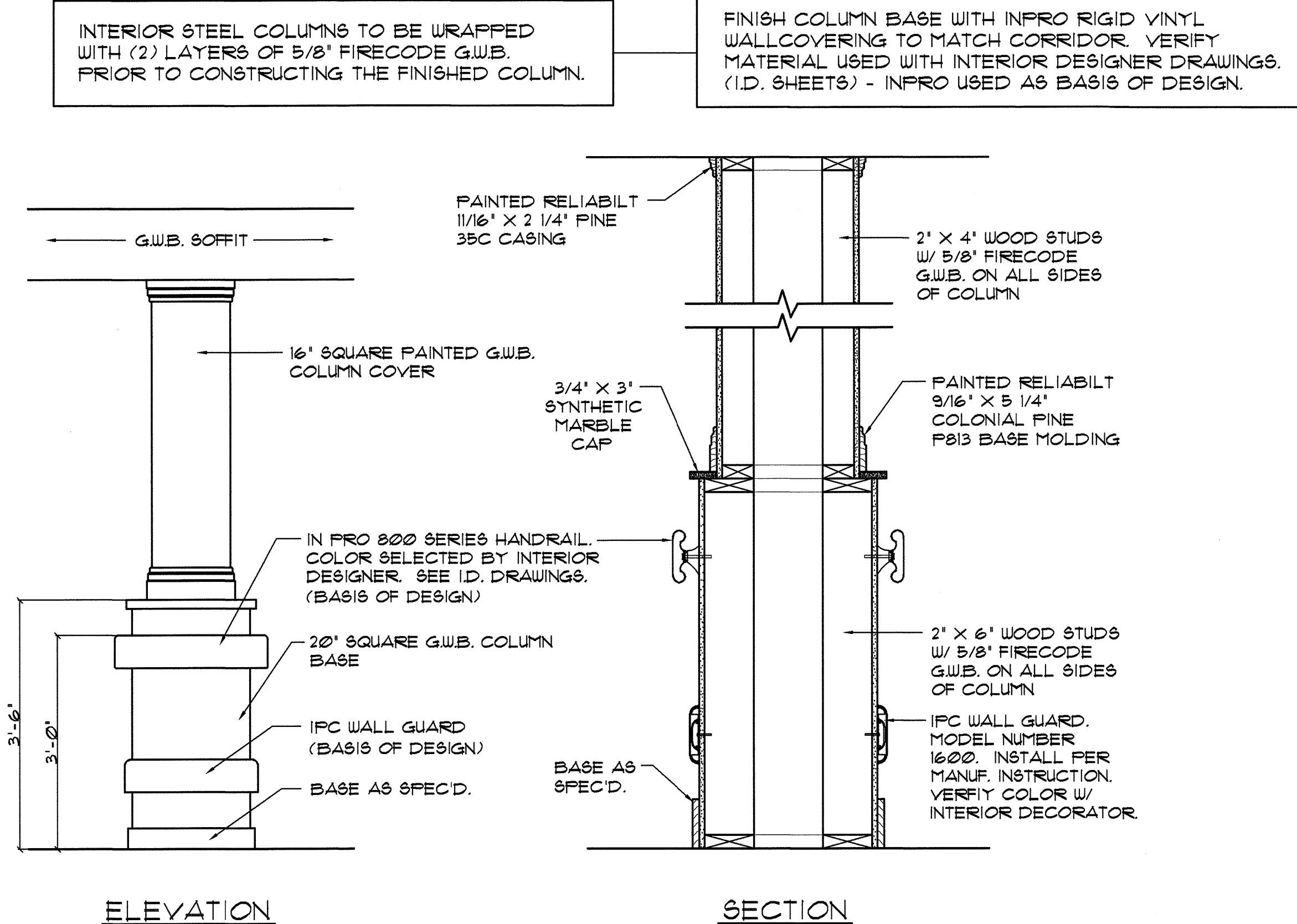
TYPE 'B':
POTTER-ROEMER NO. 3310
20 LB. BC 120 B:C
CLASS B C FIRES
BC DRY CHEMICAL

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

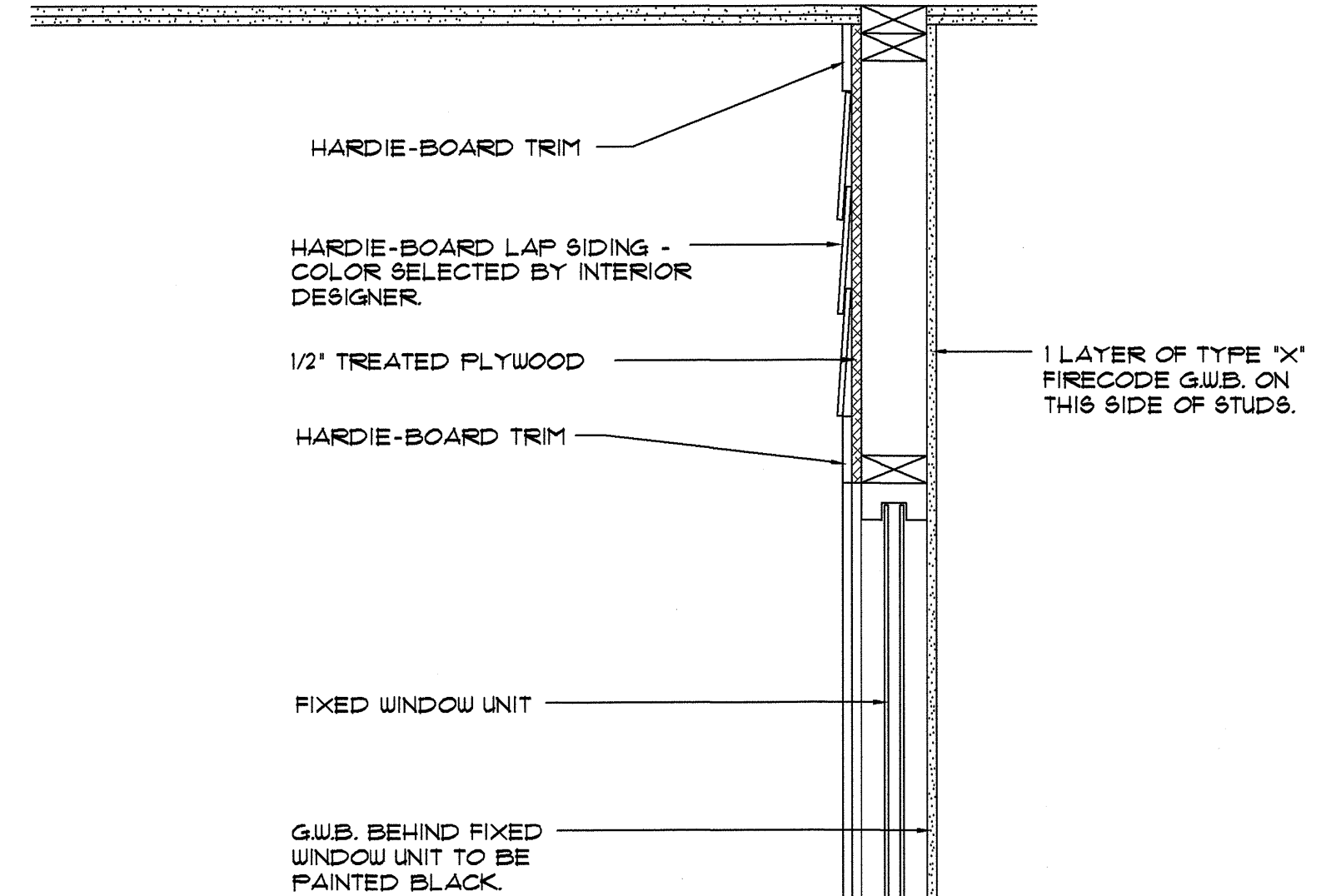
TYPE 'D':
POTTER-ROEMER NO. 3260
2A:1B:C:K
REQUIRED AT KITCHEN

CABINETS:
POTTER-ROEMER NO. 1124RR
VERIFY THE OPENING SIZE
OPENING SIZE 10" X 25" X 3 7/8"

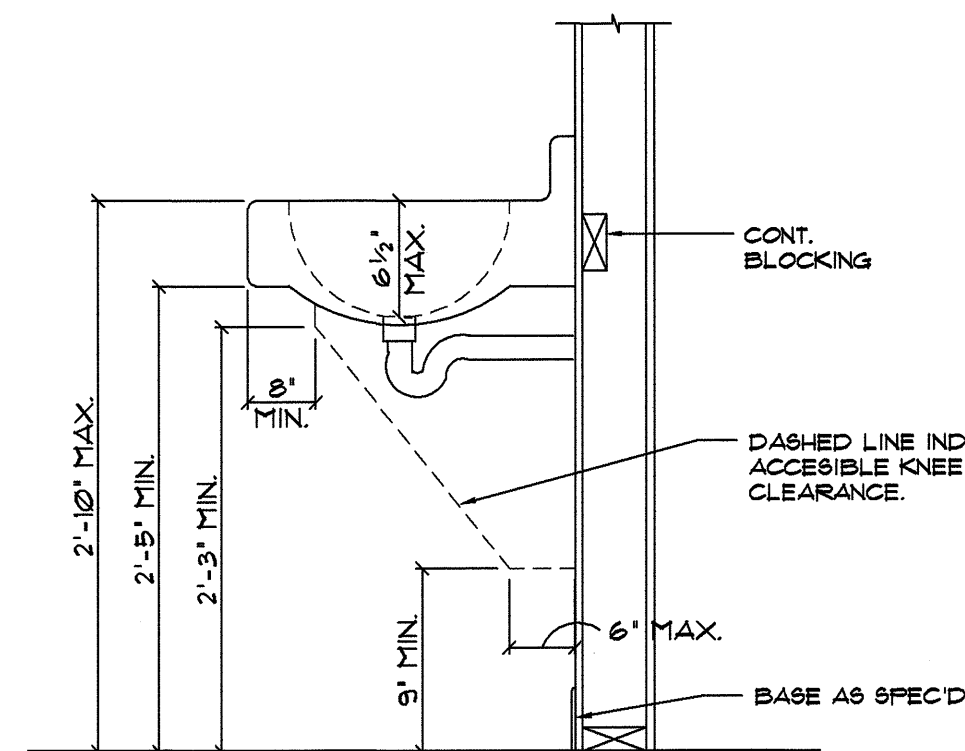
1605 DETAIL TYP. FIRE EXTINGUISHERS / CABINET DETAILS
SCALE: N.T.S.



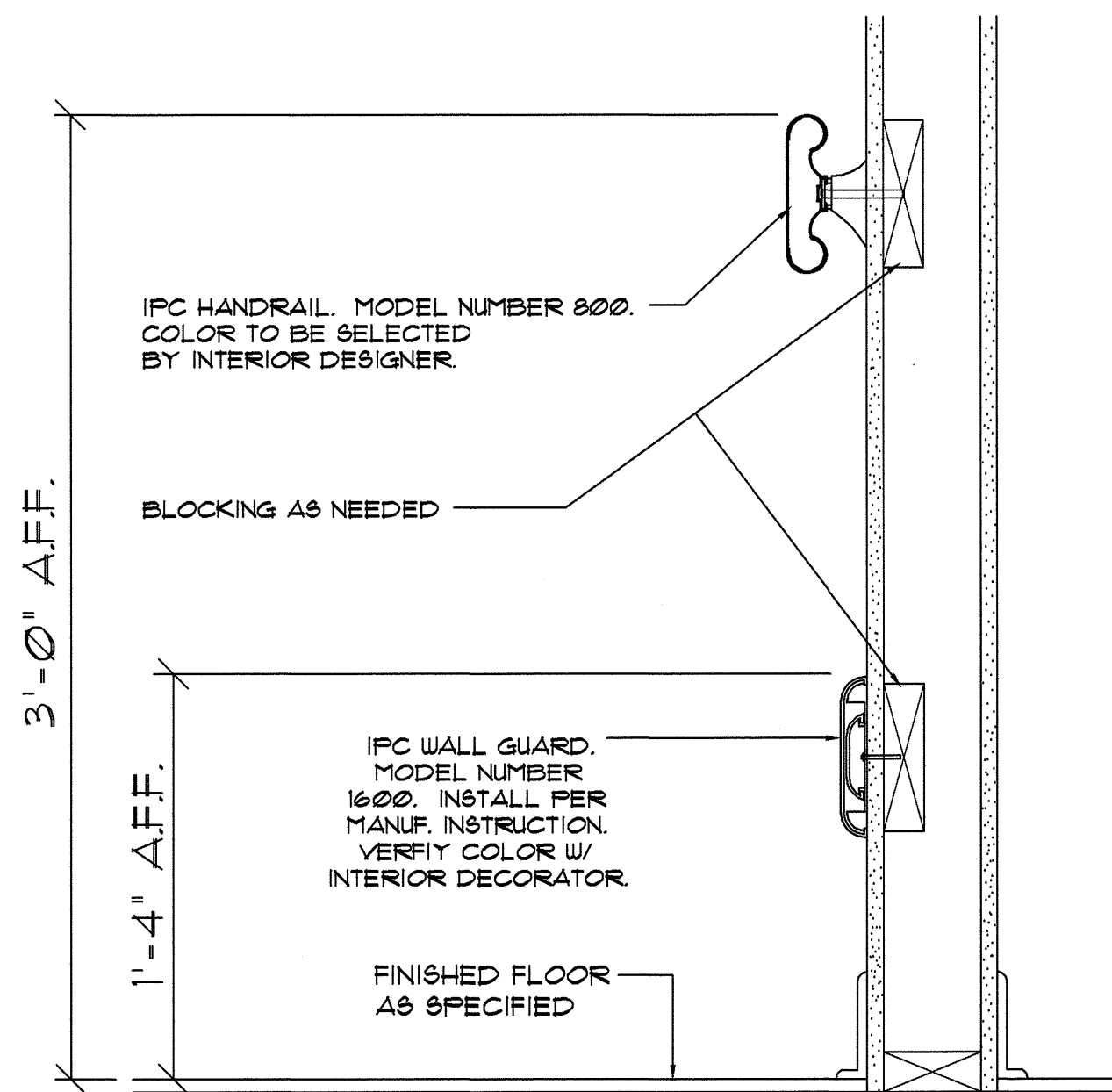
1606 DETAIL INTERIOR COLUMN CONSTRUCTION
SCALE: N.T.S.



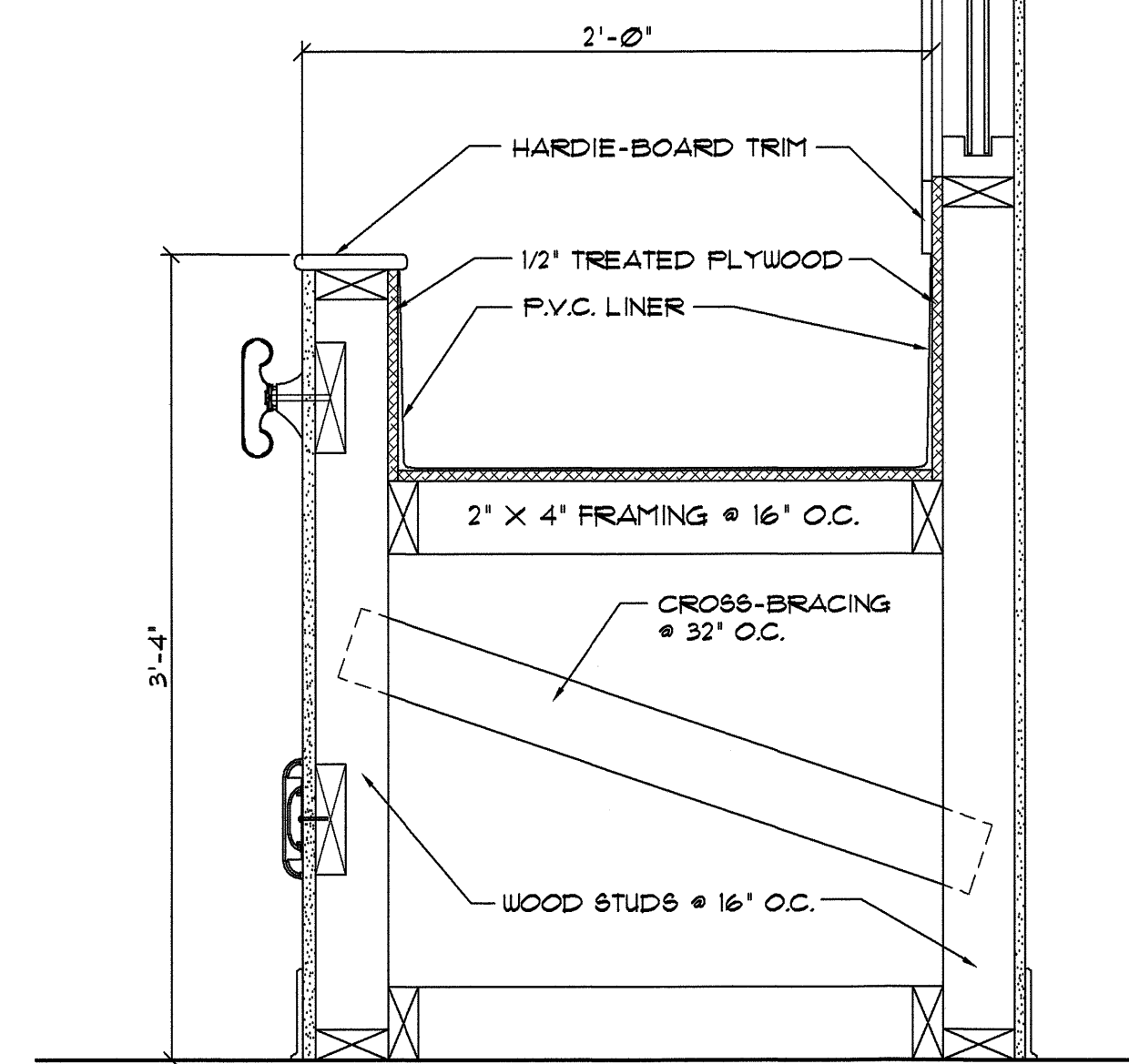
NOTE: ALL BEDROOM DOORS AND PHYSICAL THERAPY DOORS TO HAVE OFFSET HINGES TO ENSURE 41 1/2" CLEAR EGRESS WIDTH.



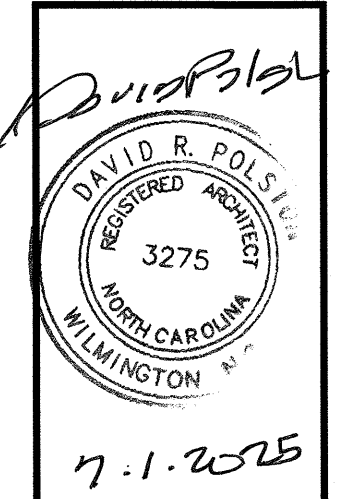
1608 DETAIL CLEARANCES AT WALL-HUNG LAV. FOR H/C ACCESSIBILITY
SCALE: 1" = 1'-0"



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



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

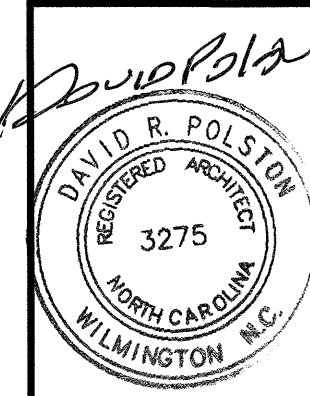


**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

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

125 BED
FACILITY

**A
16**



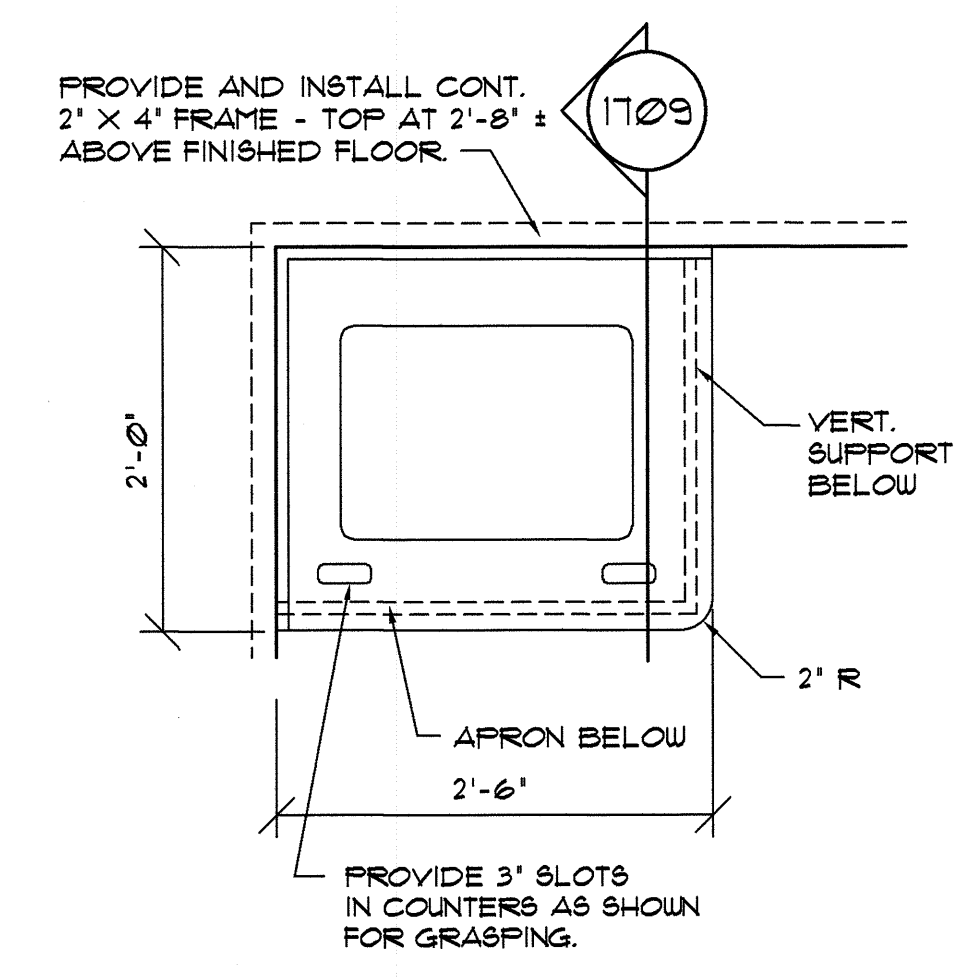
7.1.2025

**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

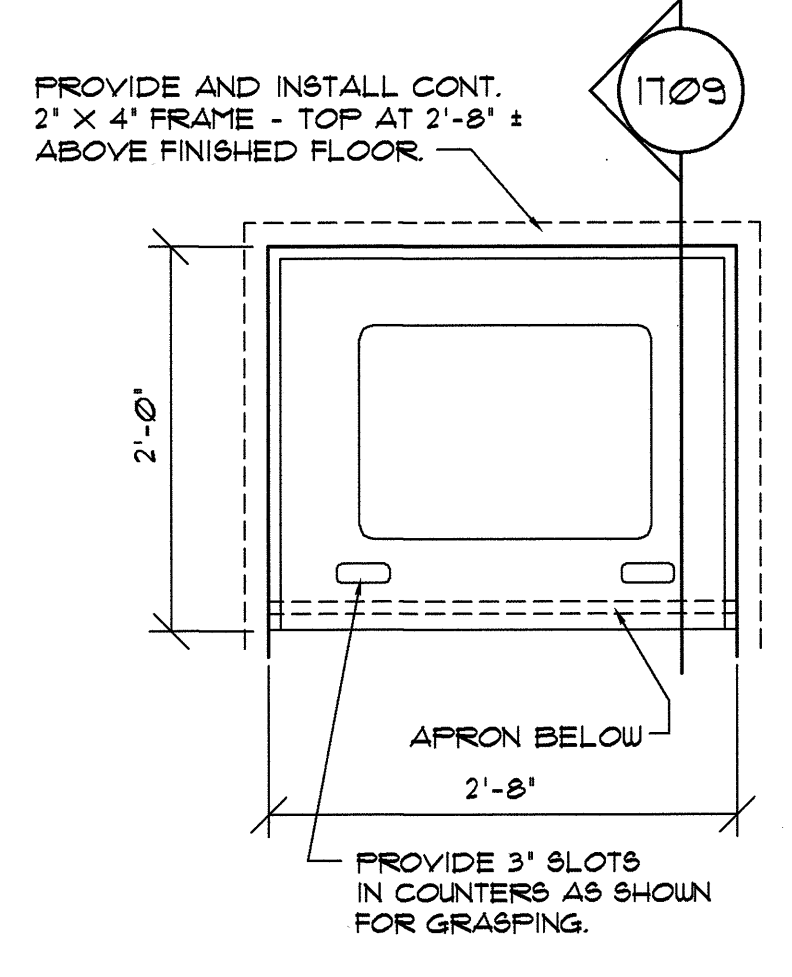
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED
FACILITY

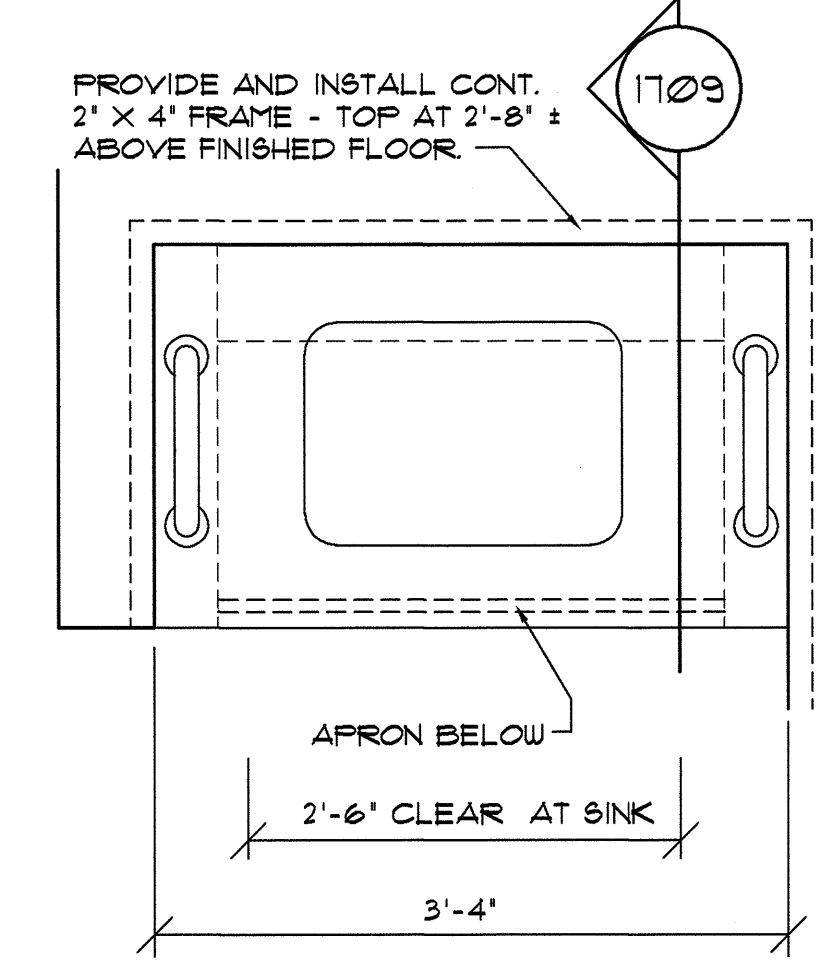
**A
17**



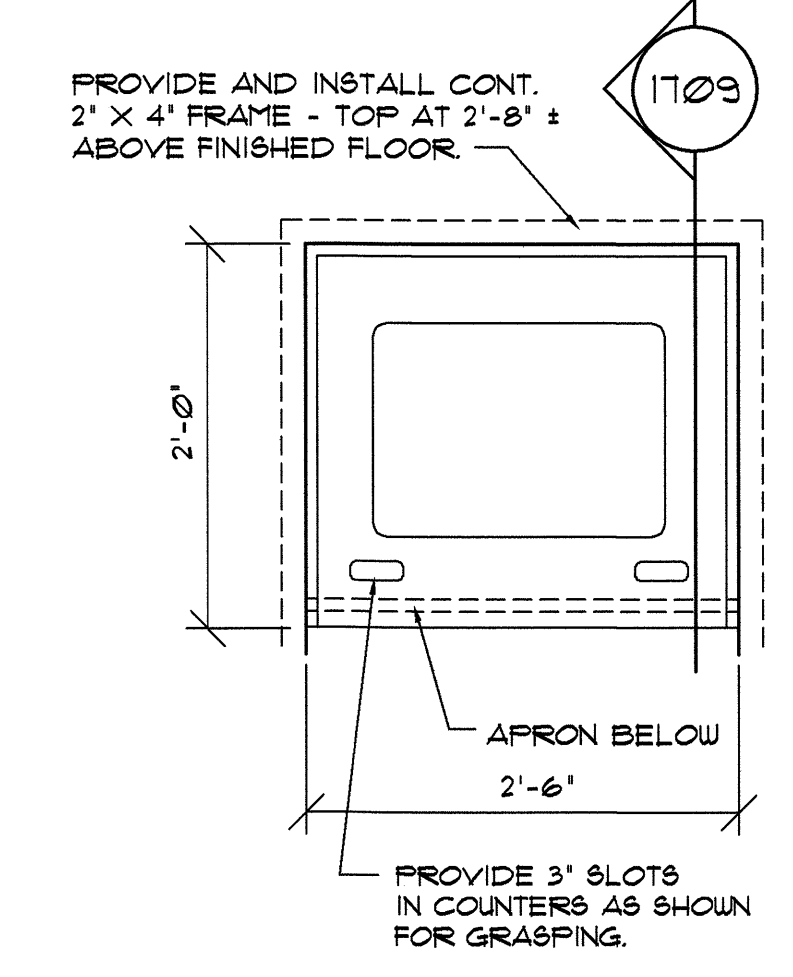
1701 DETAIL VANITY AT TYPICAL NON-RECESSED LOCATIONS
SCALE: N.T.S.



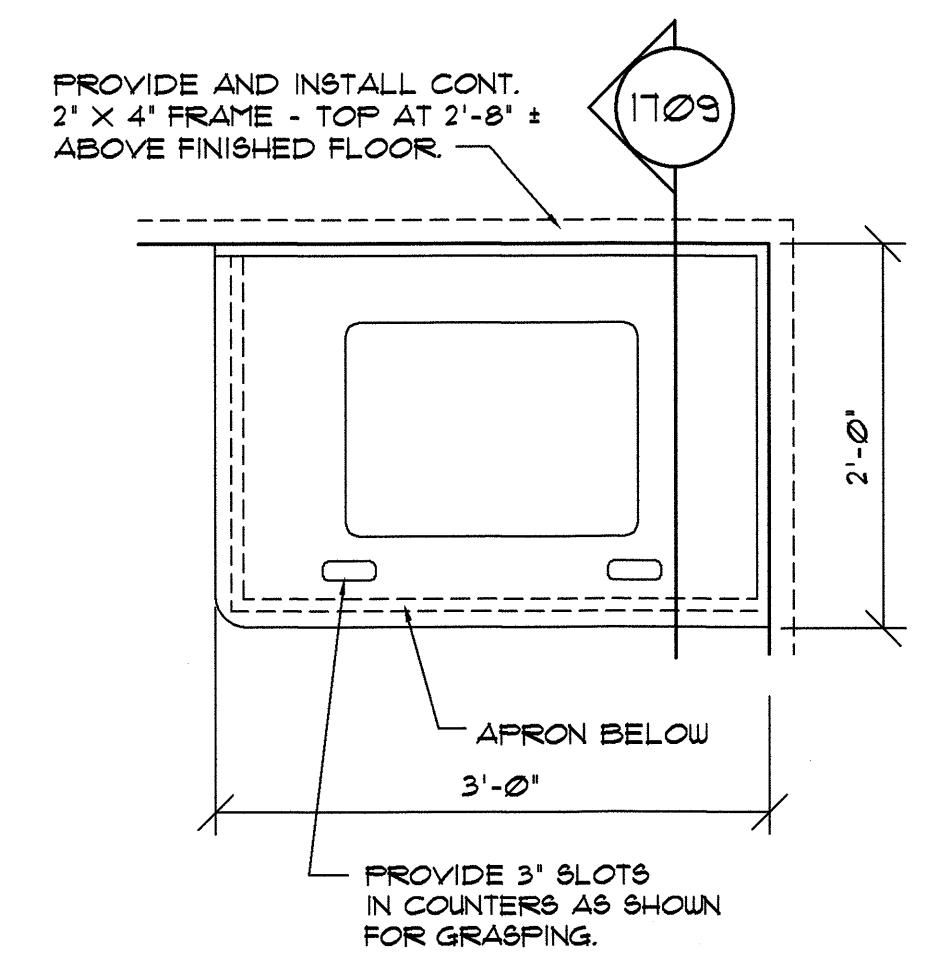
1702 DETAIL VANITY AT TYPICAL RECESSED LOCATIONS
SCALE: N.T.S.



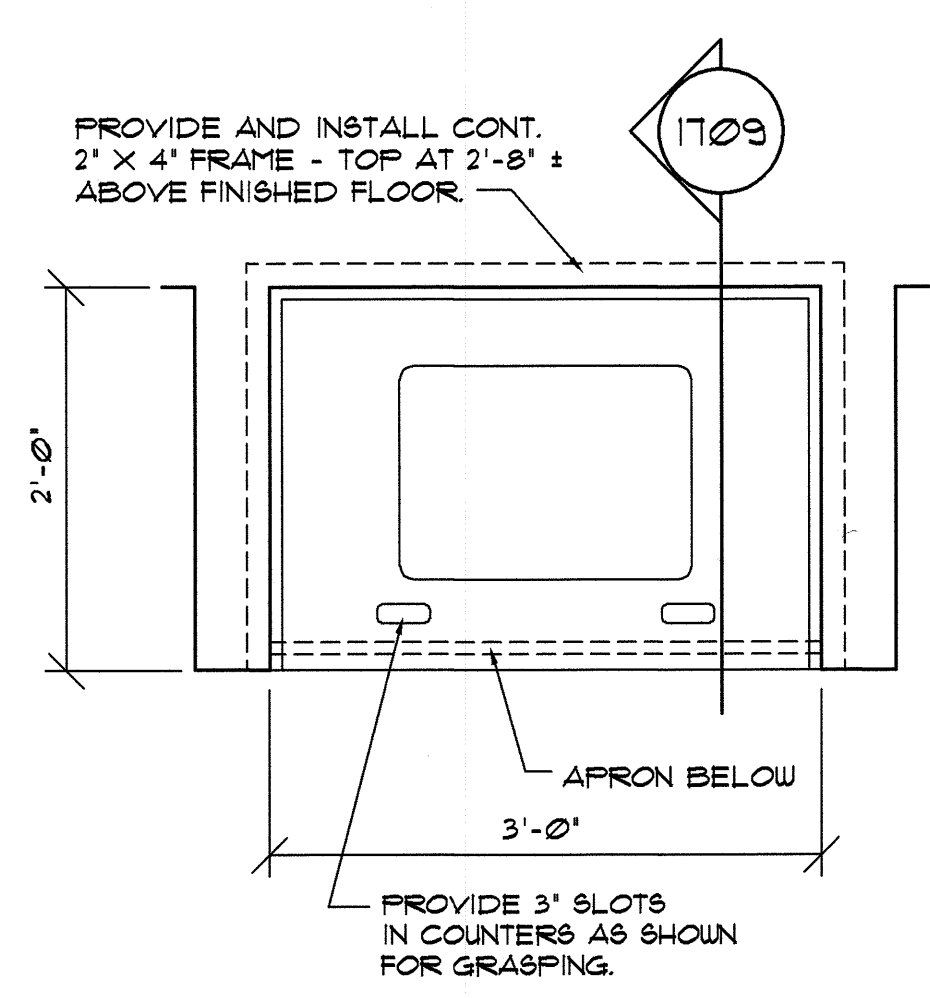
1703 DETAIL VANITY AT BARIATRIC TOILET LOCATIONS
SCALE: N.T.S.



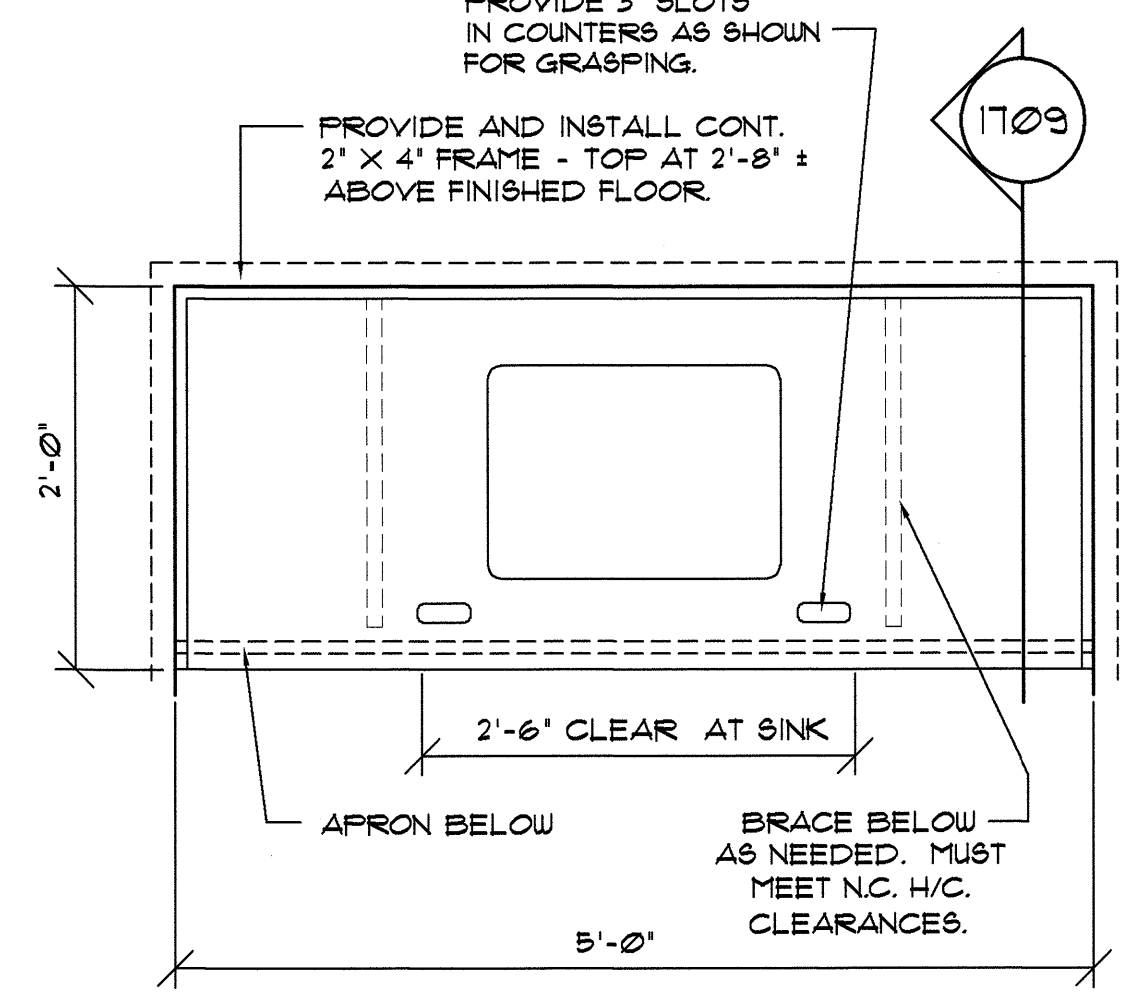
1704 DETAIL VANITY AT TLT #12 AND TUB ROOM #65
SCALE: N.T.S.



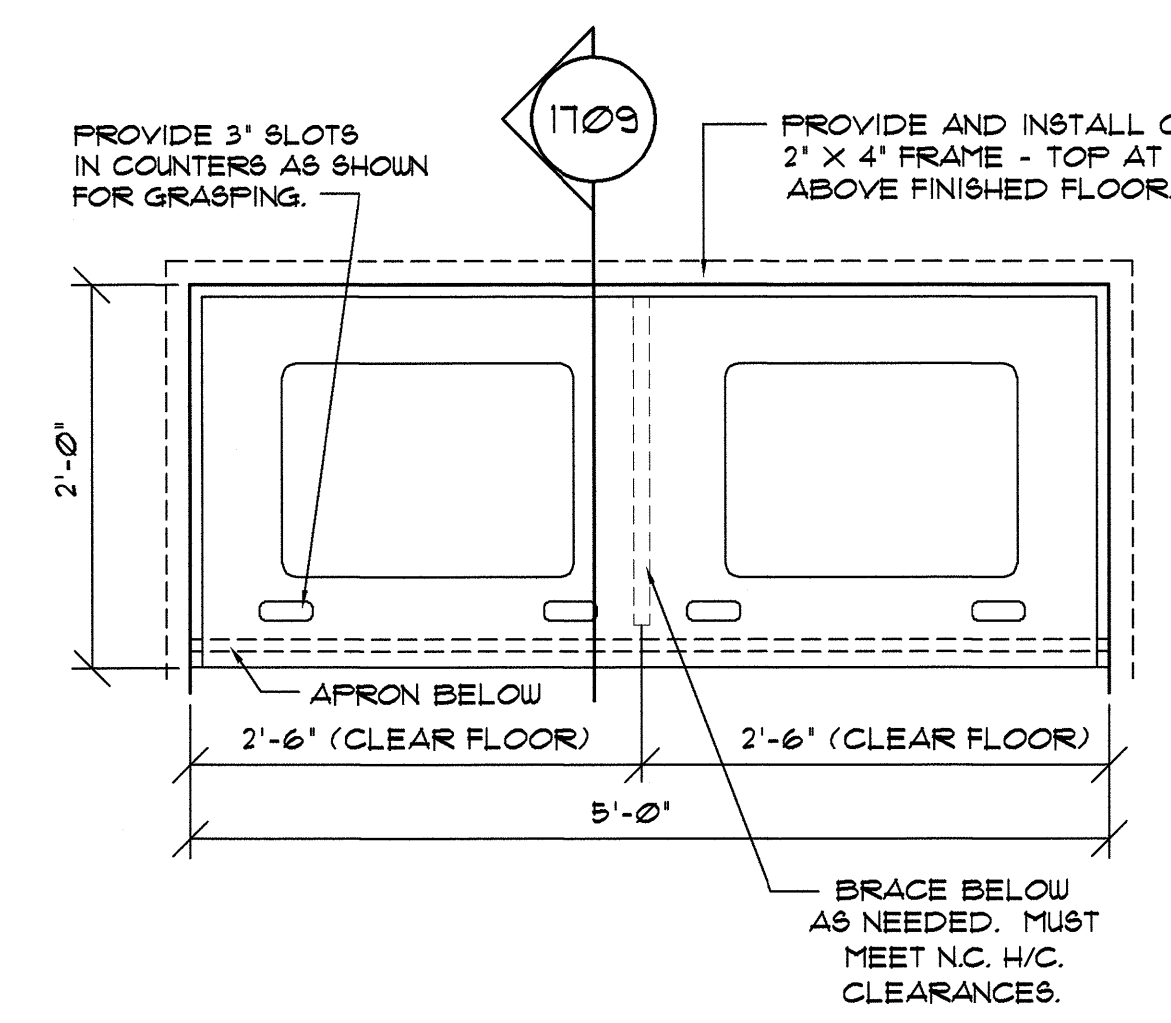
1705 DETAIL VANITY AT TOILET #18A
SCALE: N.T.S.



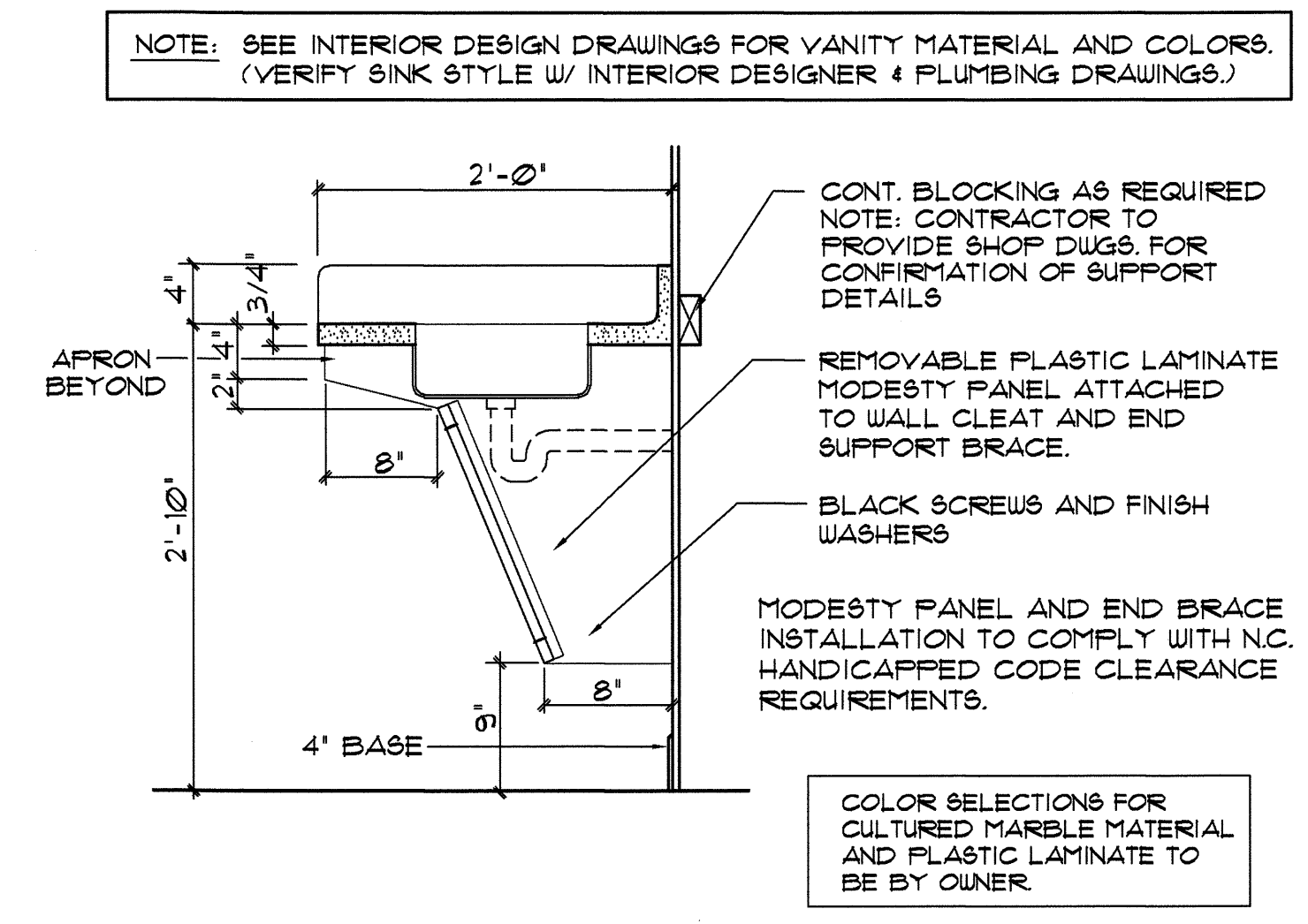
1706 DETAIL VANITY AT TUB ROOM #55
SCALE: N.T.S.



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



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



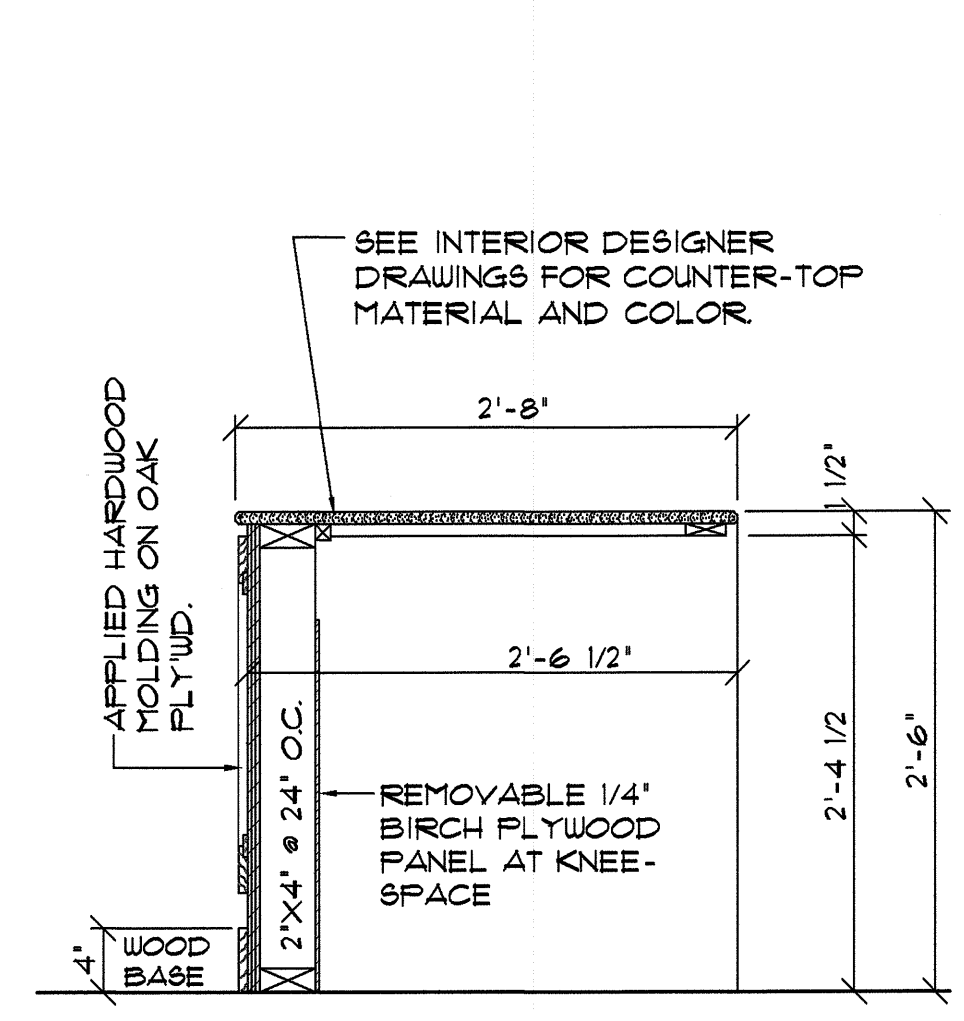
1709 DETAIL TYPICAL PATIENT TOILET ROOM VANITY SECTION
SCALE: 1" = 1'-0"

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

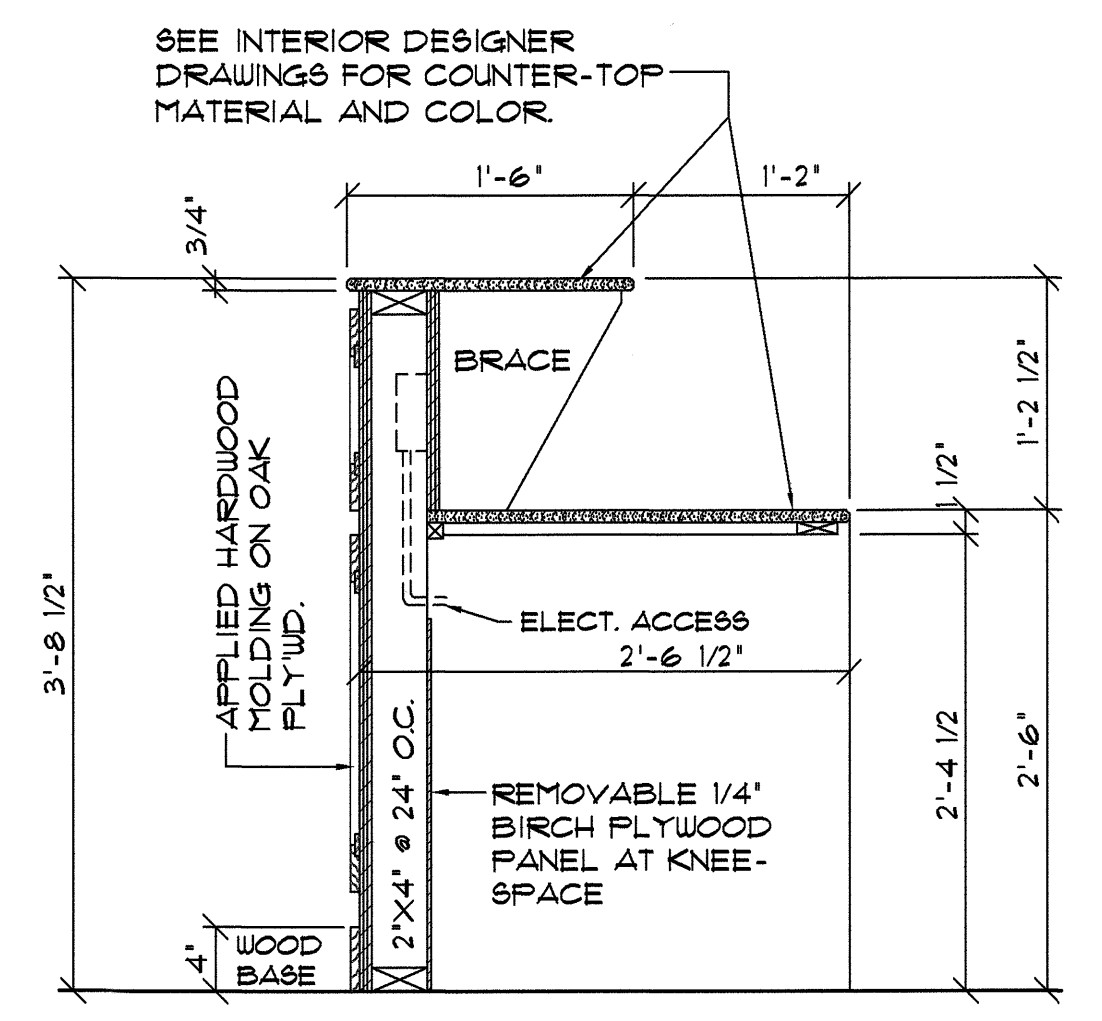
NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

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

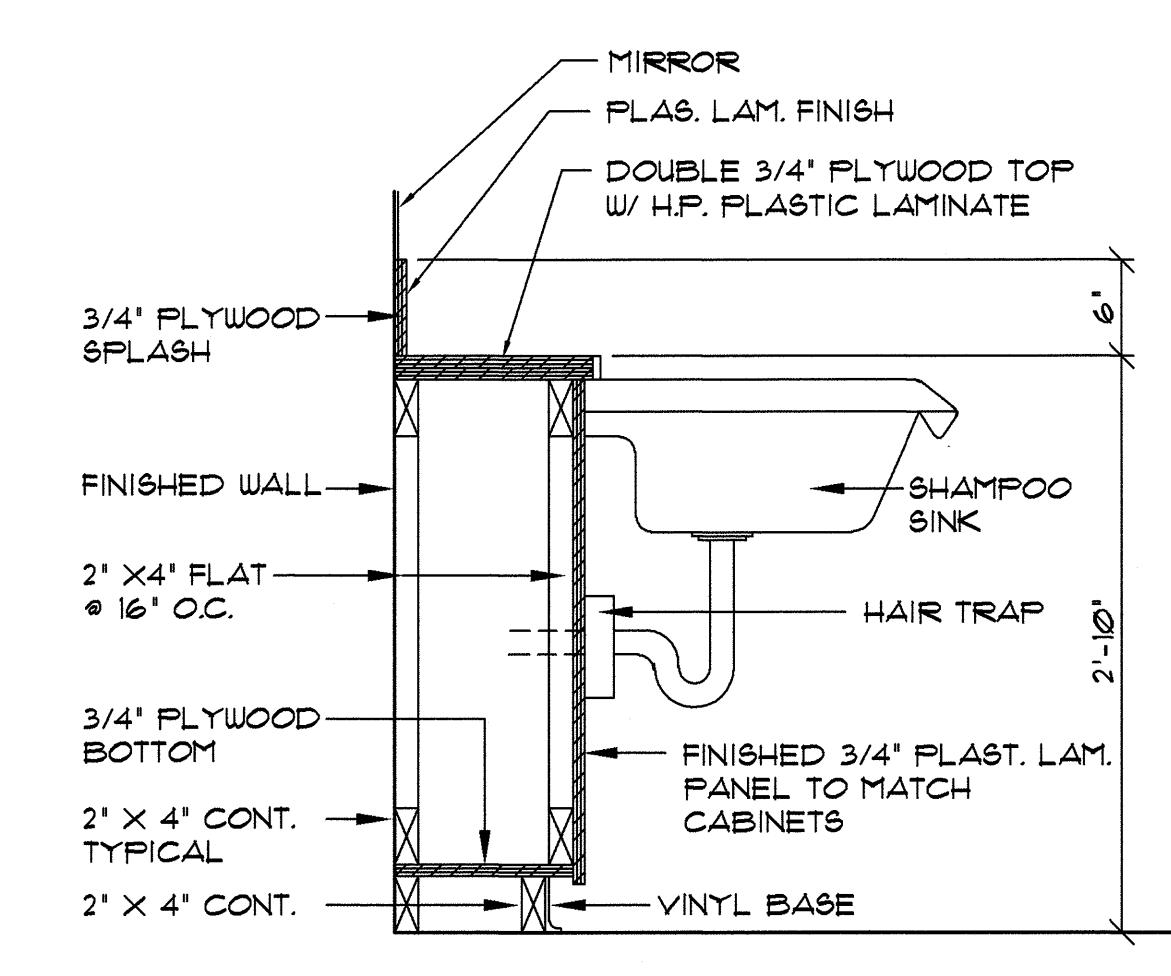
PROVIDE A MINIMUM OF ONE WALL CABINET AT ALL HANDICAPPED UNITS AT 46" MAX. AFF. TO BOTTOM SHELF.



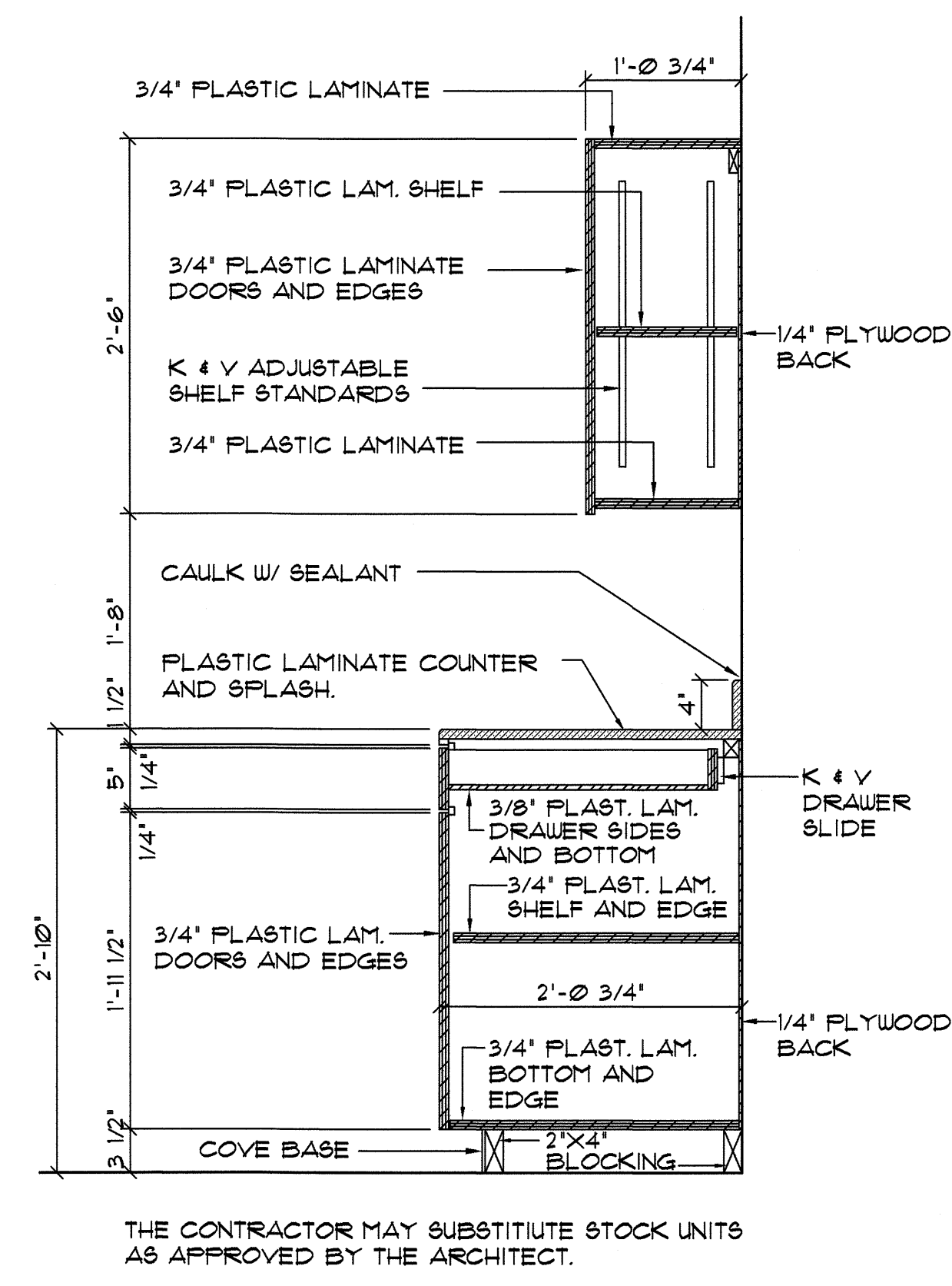
1710 SECTION RECEPTION COUNTER SECTION (RECEPT. #13)
SCALE: 1" = 1'-0"



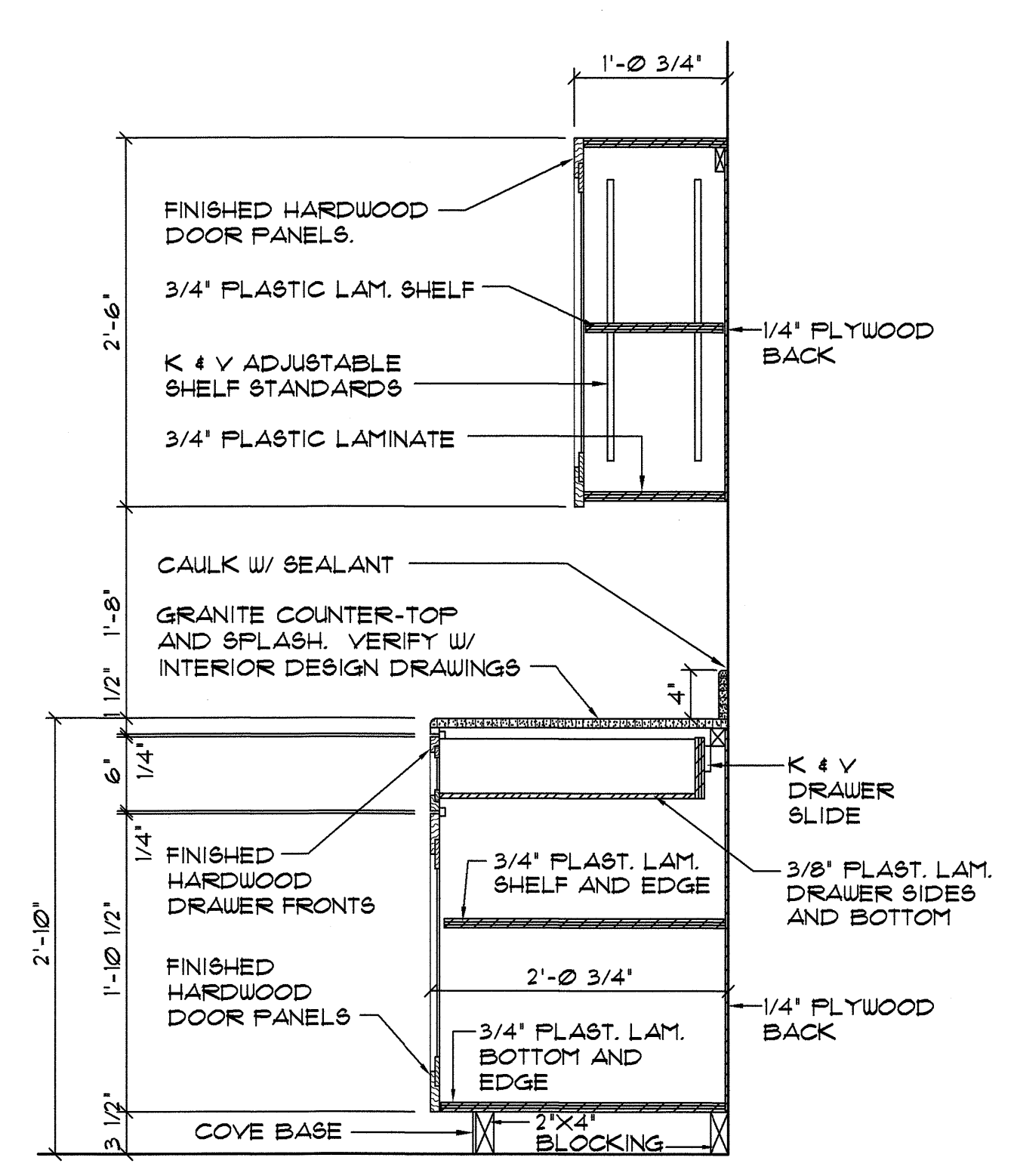
1711 SECTION RECEPTION COUNTER SECTION (RECEPT. #13)
SCALE: 1" = 1'-0"



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

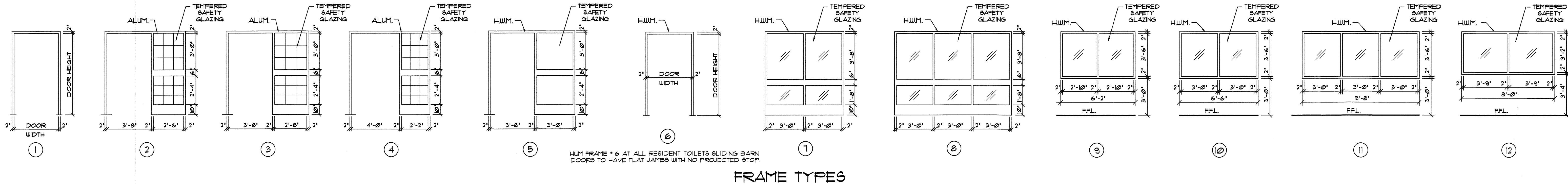


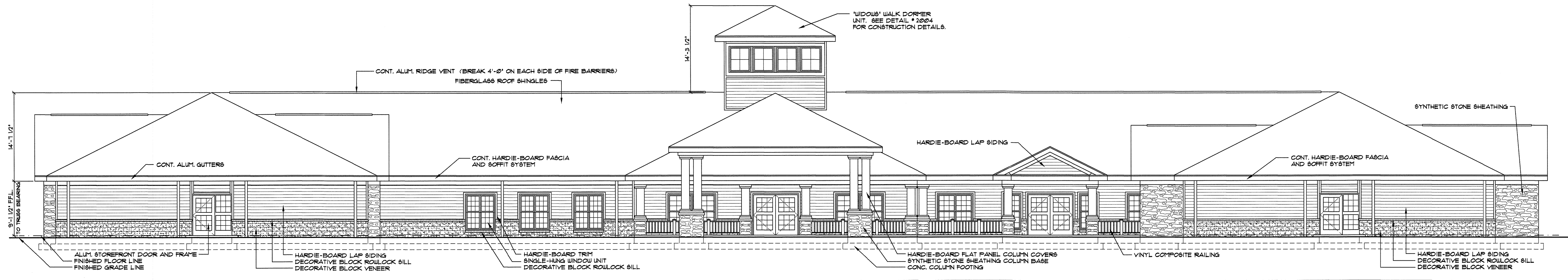
1713 DETAIL TYPICAL CABINETS (STAFF SUPPORT LOCATIONS)
SCALE: 1" = 1'-0"



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

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



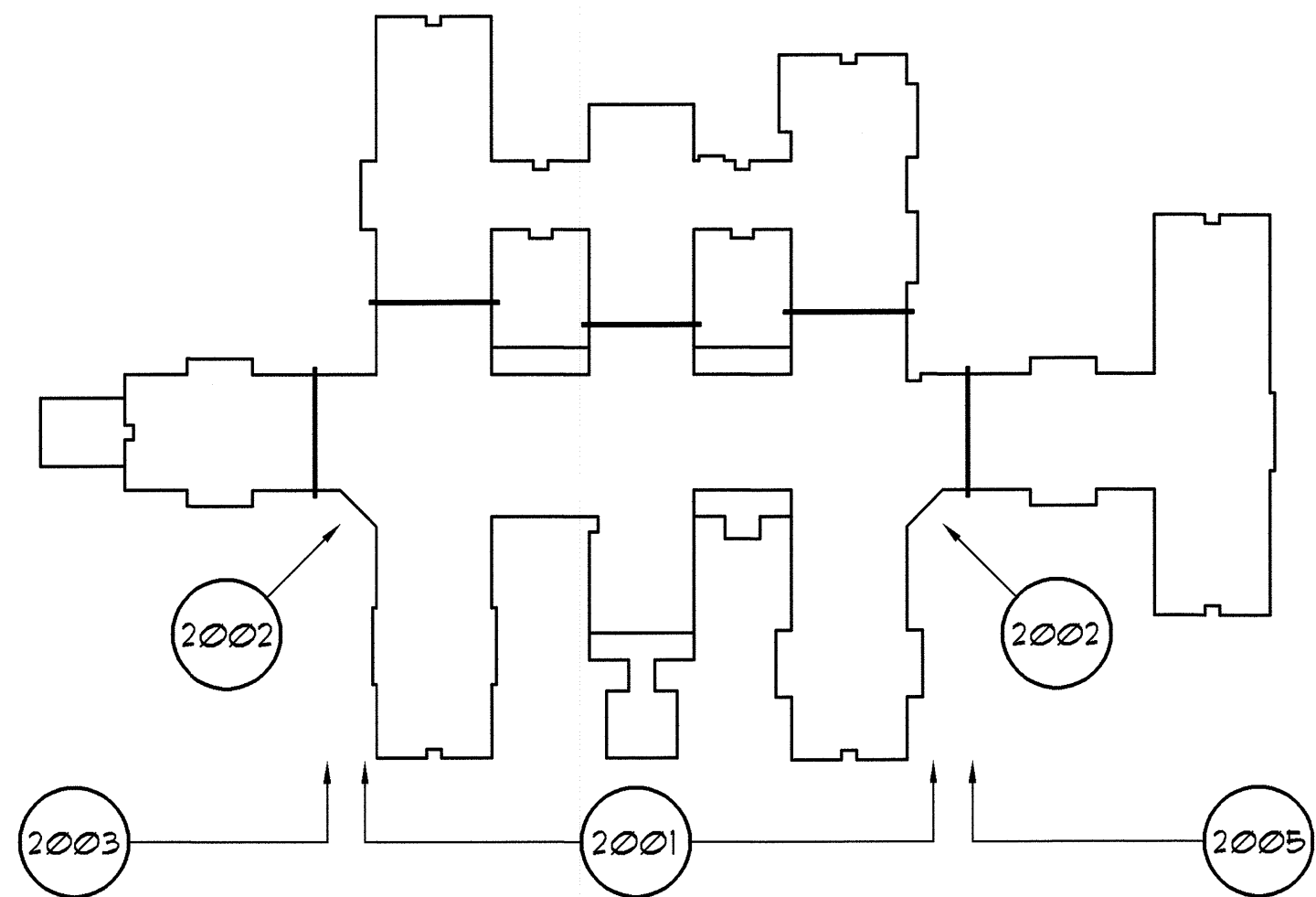


2001 ELEVATION
SCALE: 1/8" = 1'-0"

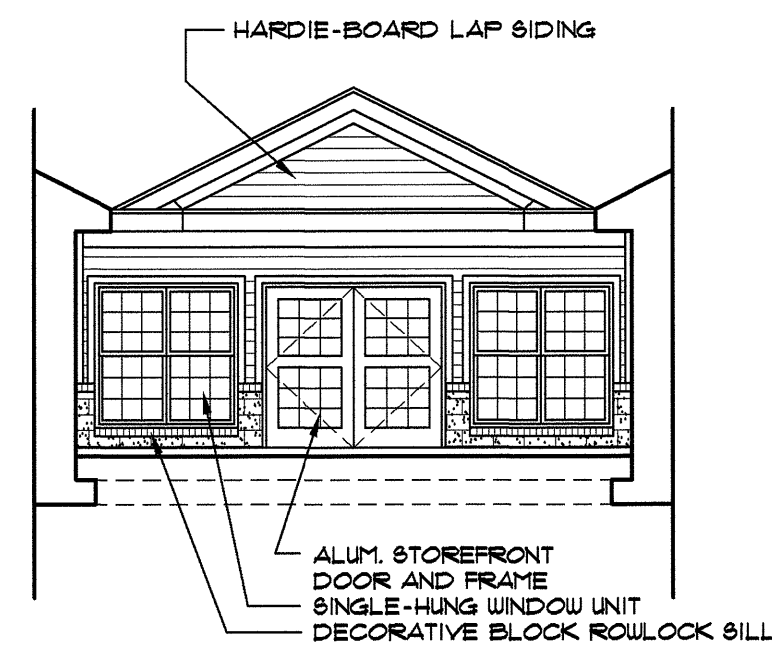
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.

DOWNSPOUT NOTES:

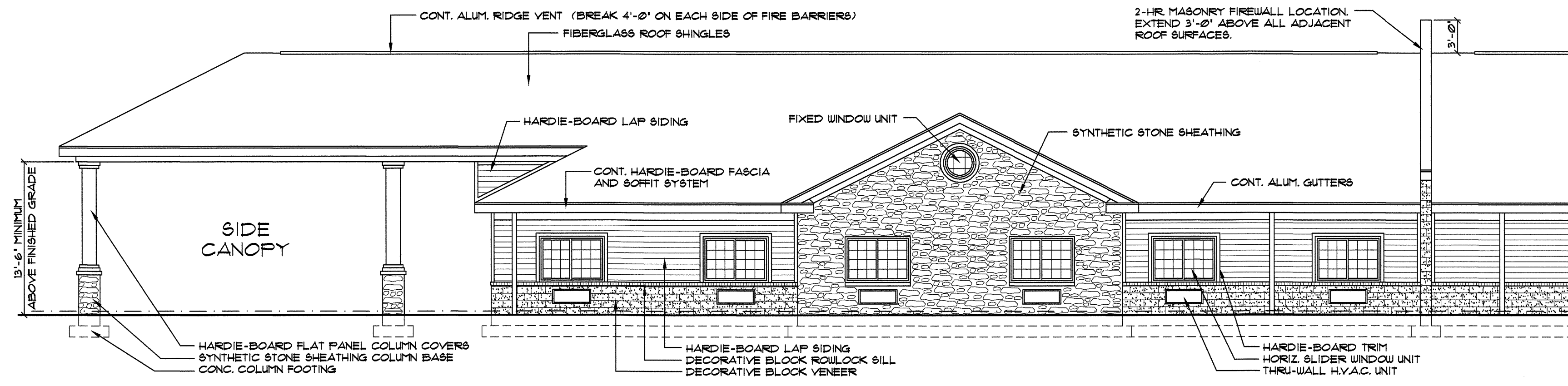
1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
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5. SEE ROOF PLAN (SHEET A-11) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.



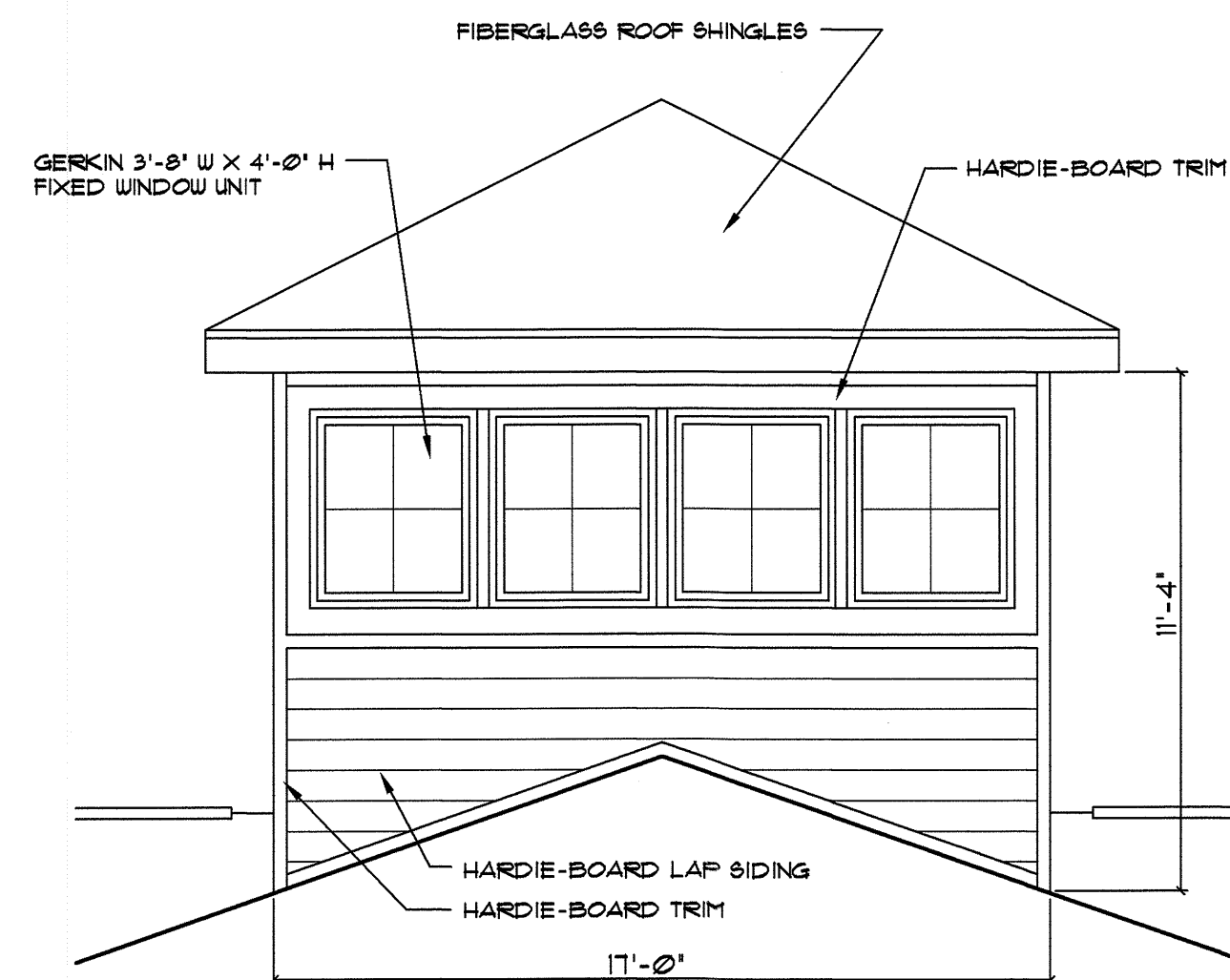
ELEVATION KEY



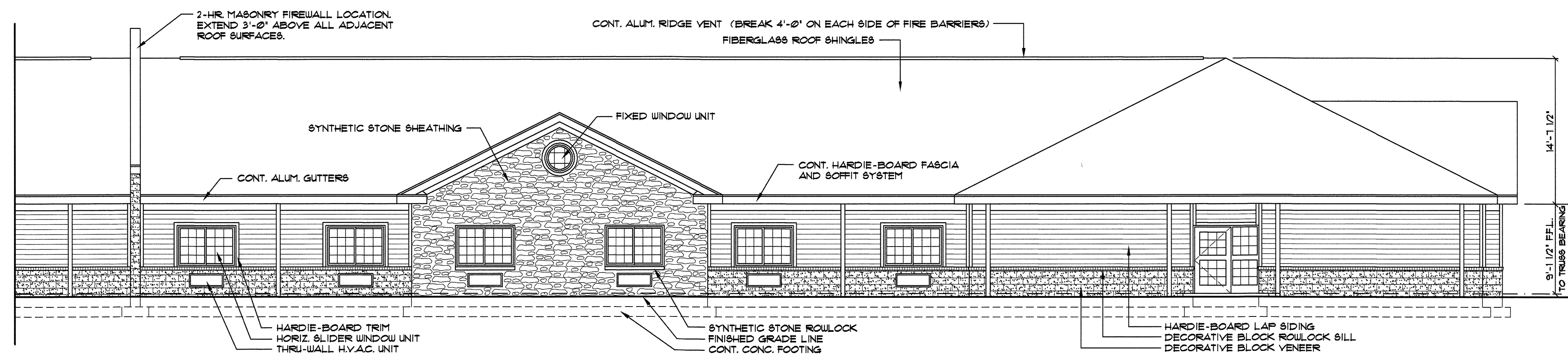
2002 ELEVATION
SCALE: 1/8" = 1'-0"



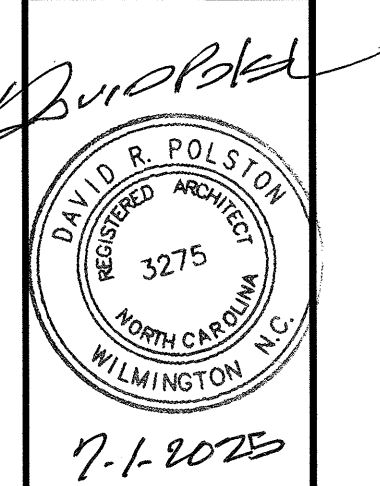
2003 ELEVATION
SCALE: 1/8" = 1'-0"



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



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

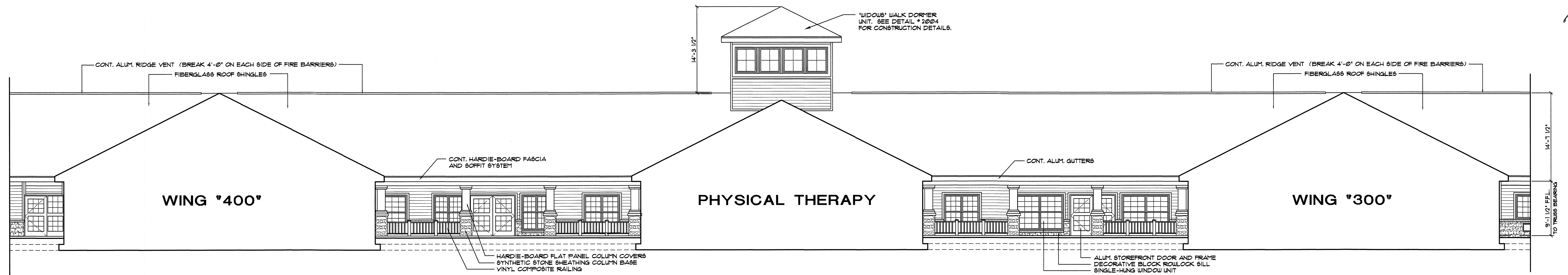


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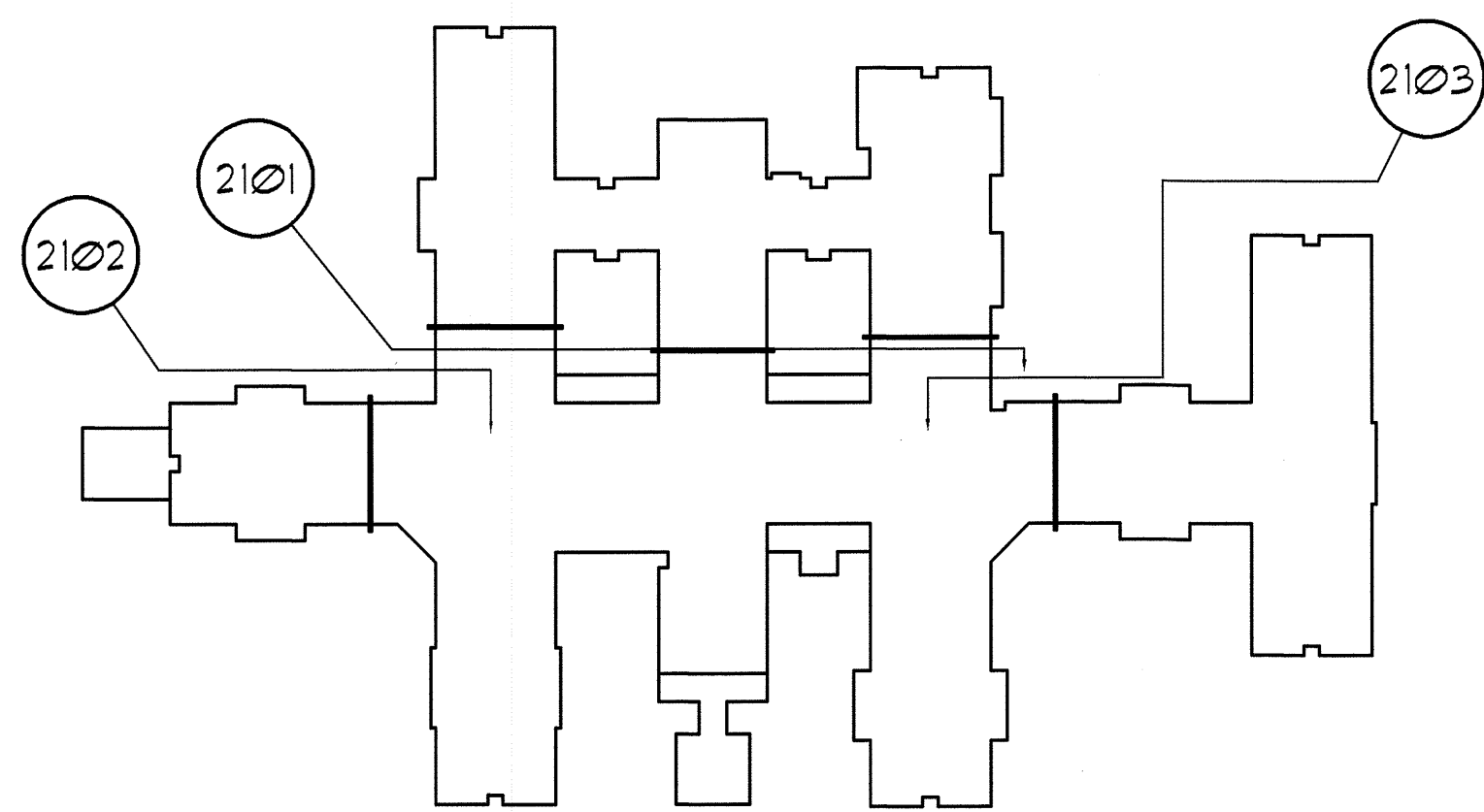
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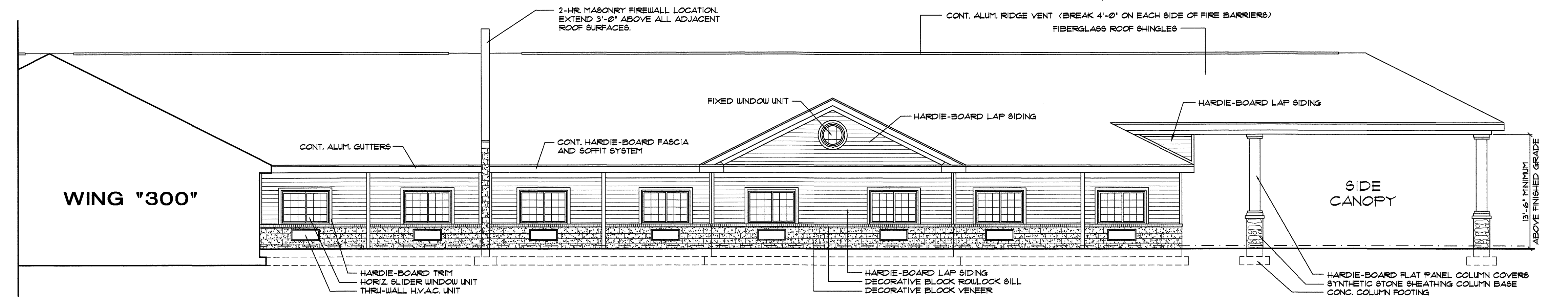
**A
20**



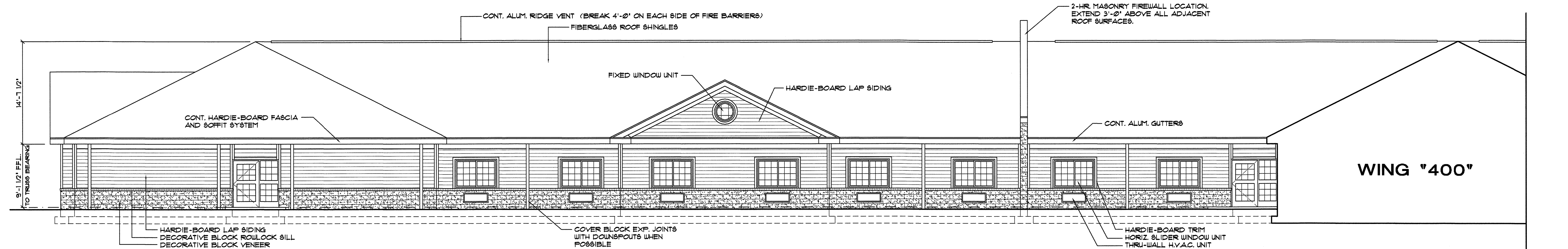
2101 ELEVATION
SCALE: 1/8" = 1'-0"



ELEVATION KEY



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

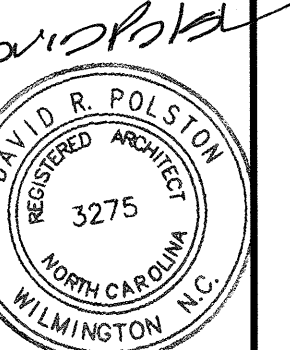


2103 ELEVATION
SCALE: 1/8" = 1'-0"

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5. SEE ROOF PLAN (SHEET A-11) FOR APPROX. DOWNSPOUT LOCATIONS AND COUNT.

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



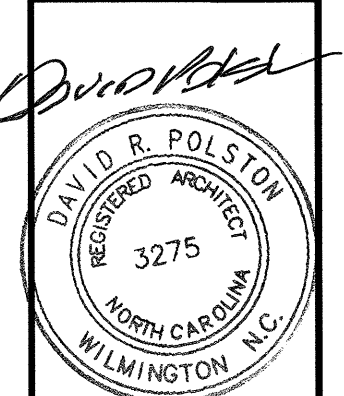
7-1-2025

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21**



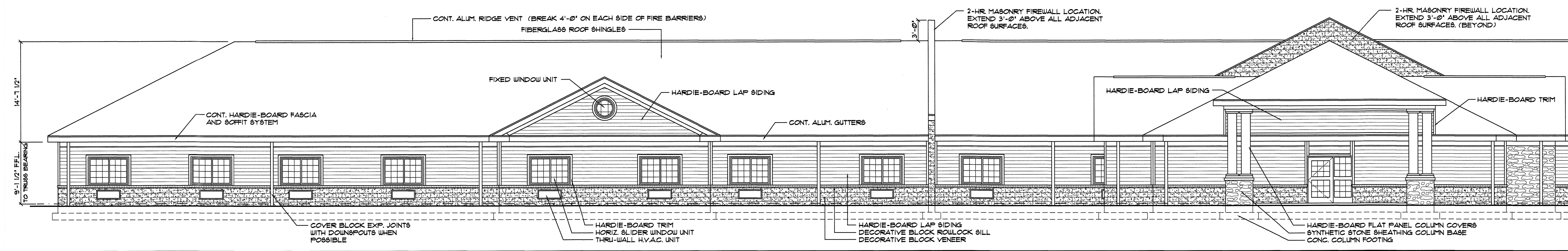
7-1-2025

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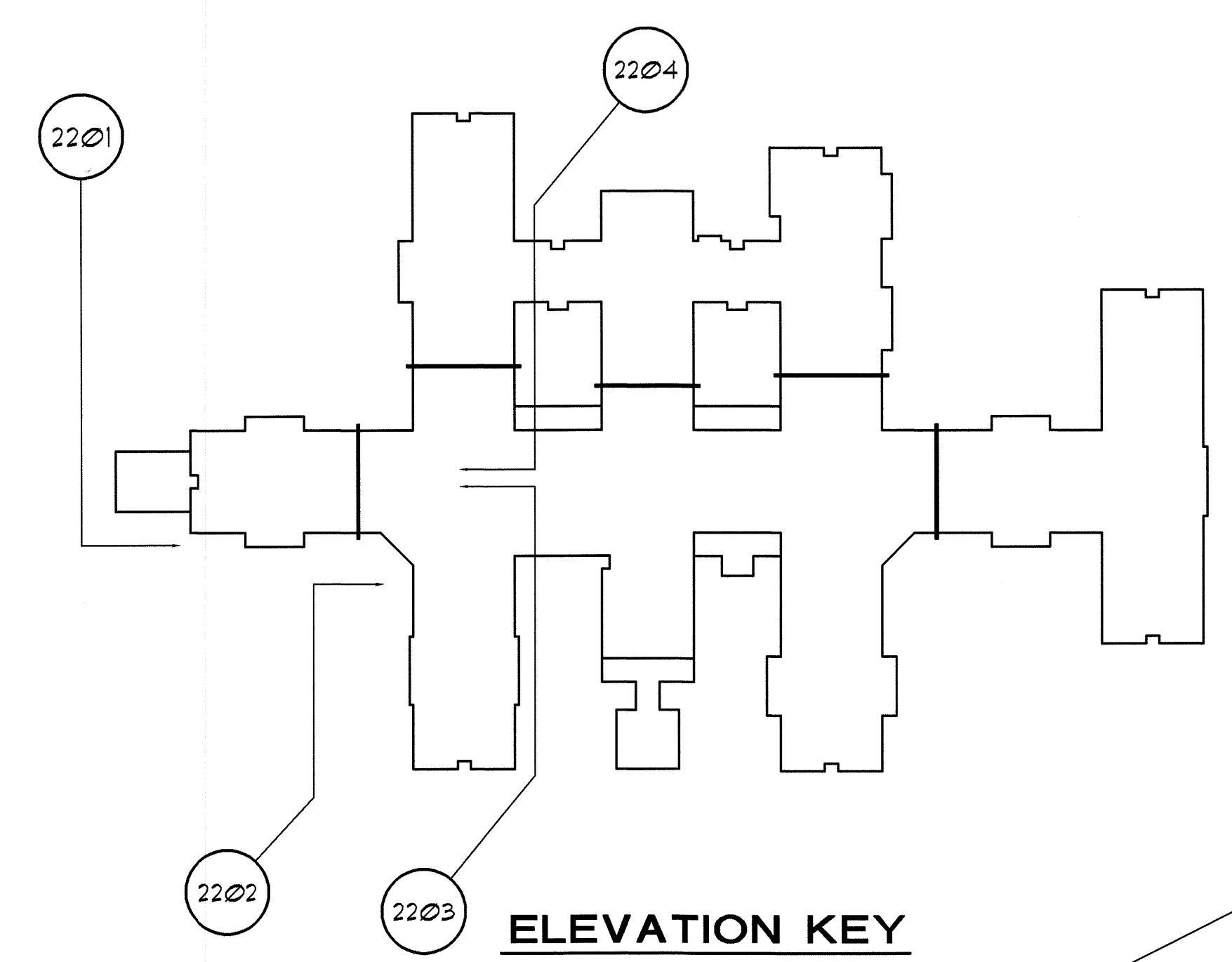
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22**



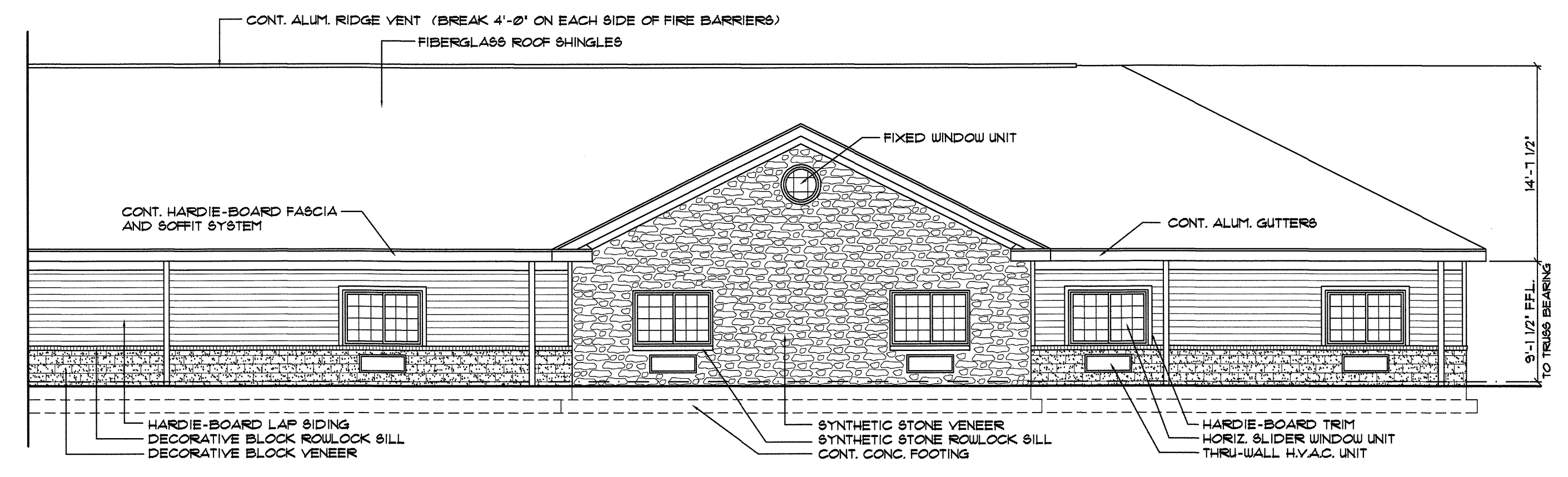
2201 ELEVATION
SCALE: 1/8" = 1'-0"



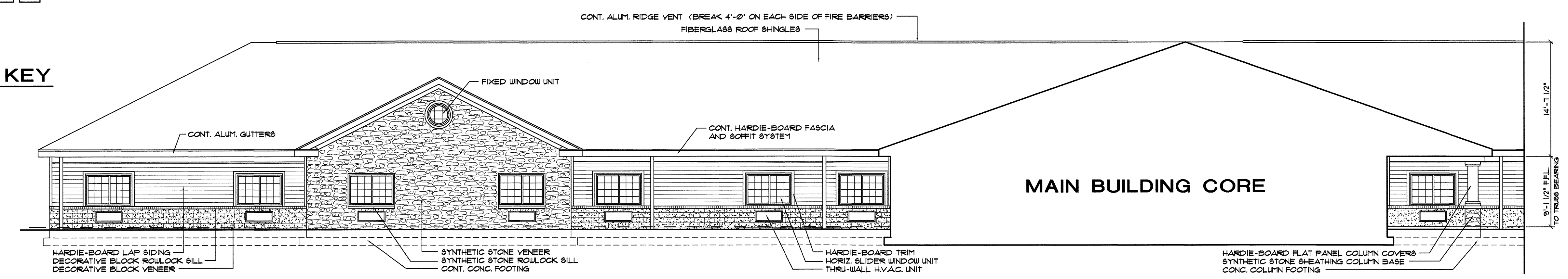
ELEVATION KEY

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

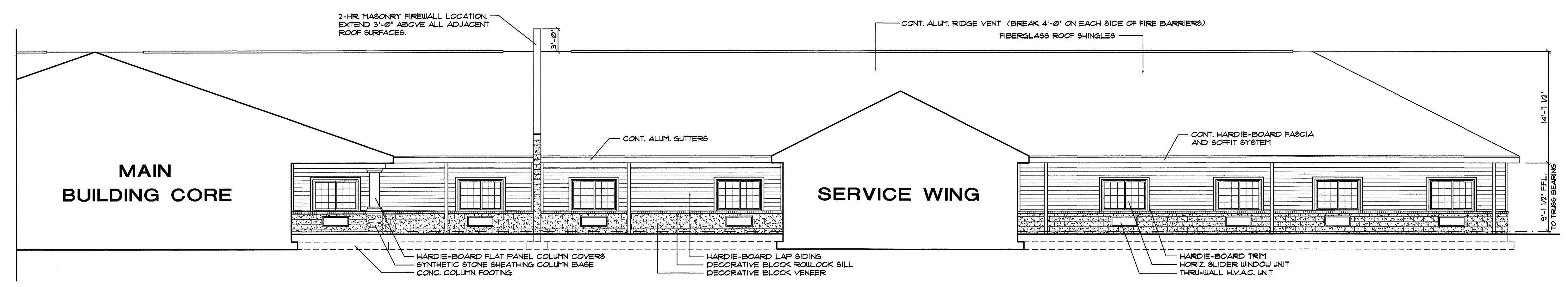
- DOWNSPOUT NOTES:**
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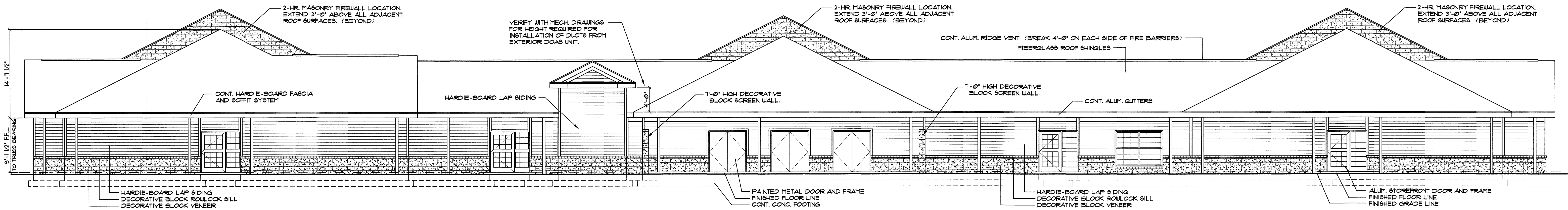
2202 ELEVATION
SCALE: 1/8" = 1'-0"



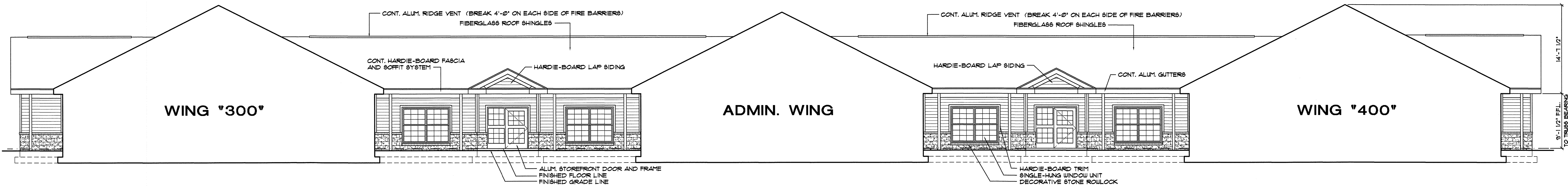
2203 ELEVATION
SCALE: 1/8" = 1'-0"



2204 ELEVATION
SCALE: 1/8" = 1'-0"



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

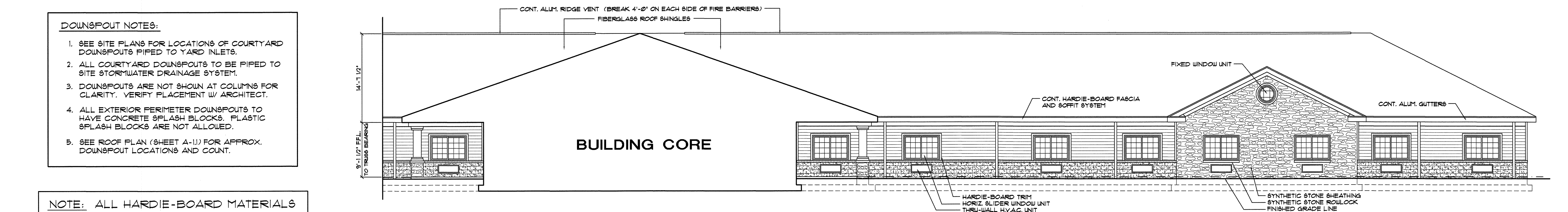


2302 **ELEVATION**
SCALE: 1/8" = 1'-0"

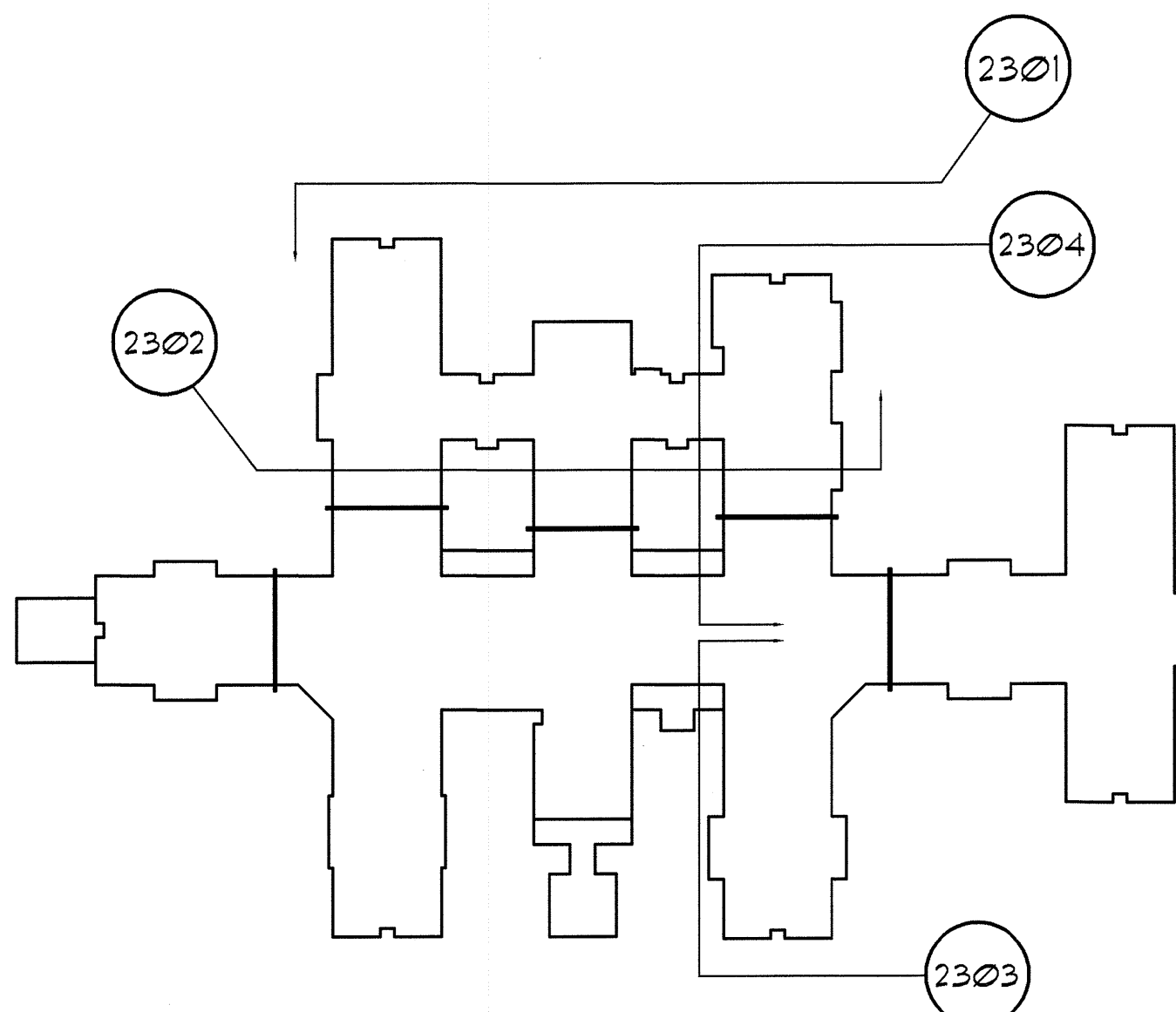
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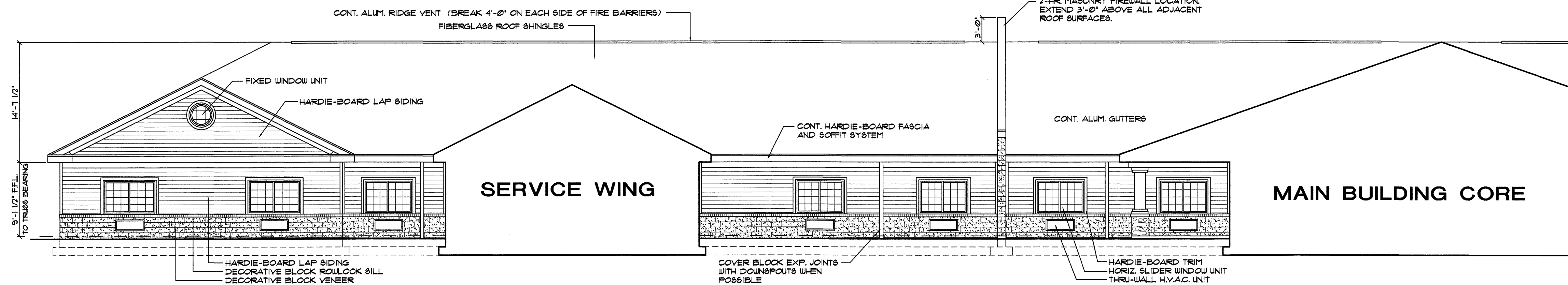
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.



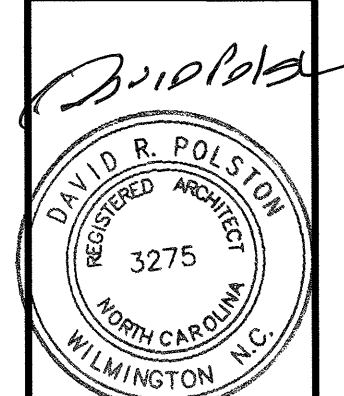
2303 **ELEVATION**
SCALE: 1/8" = 1'-0"



ELEVATION KEY



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

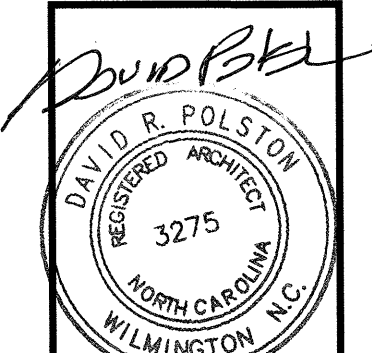


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23**



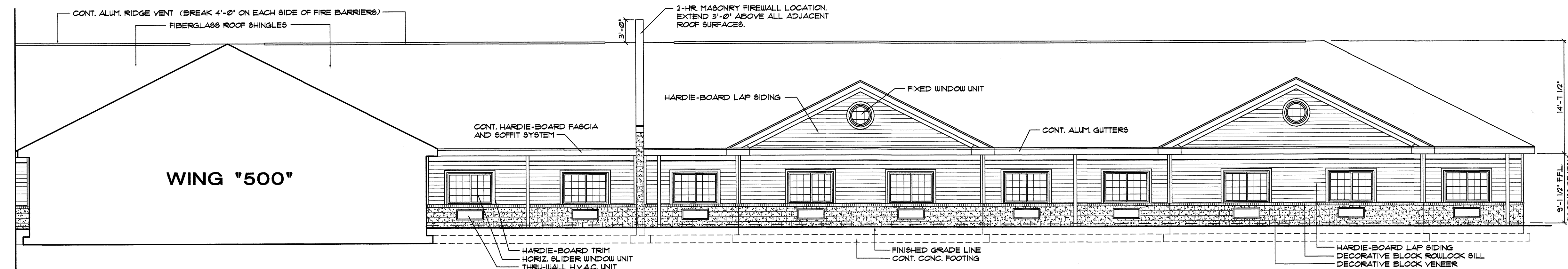
7.1.2025

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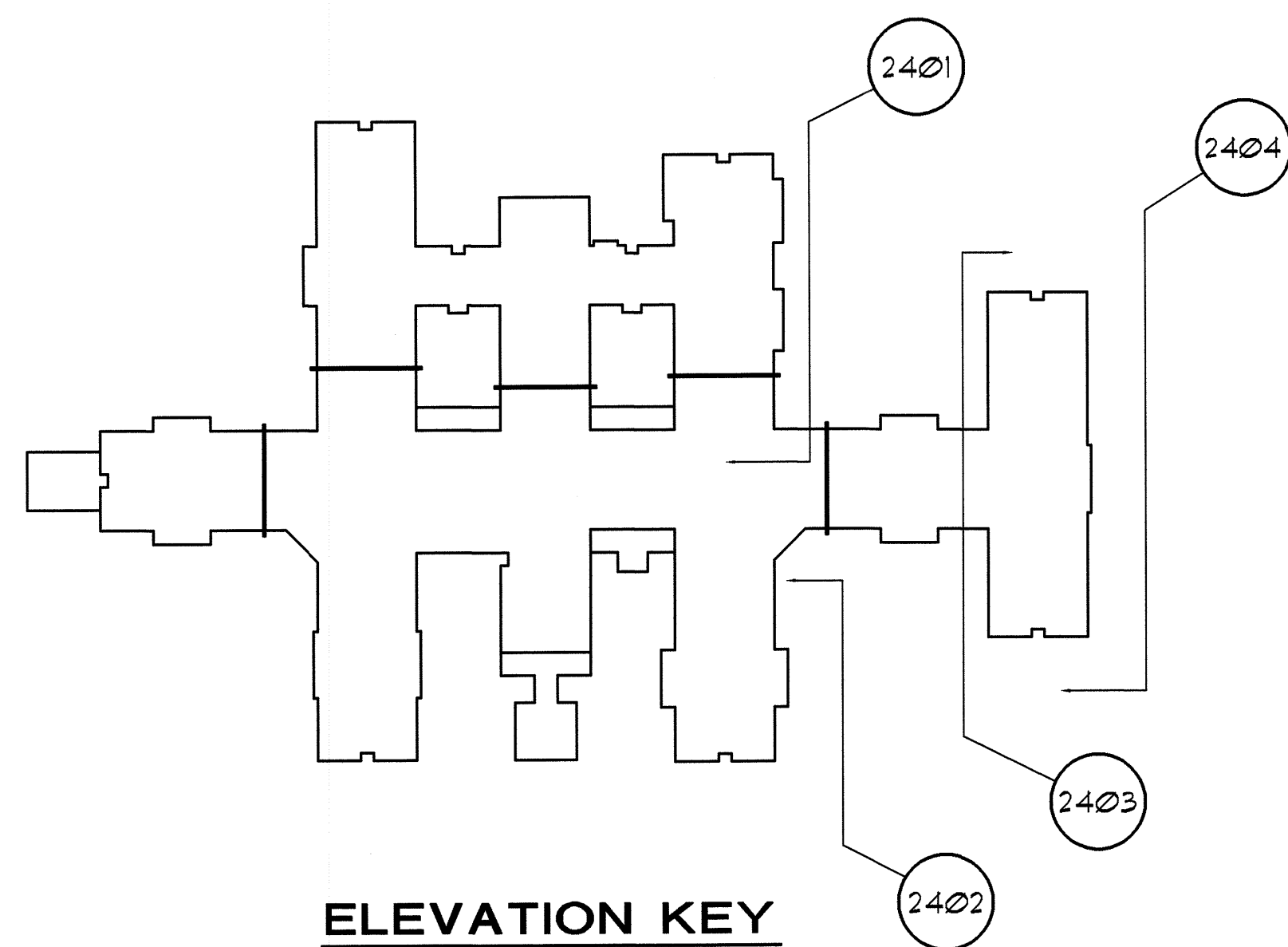
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24**



2401 ELEVATION
SCALE: 1/8" = 1'-0"

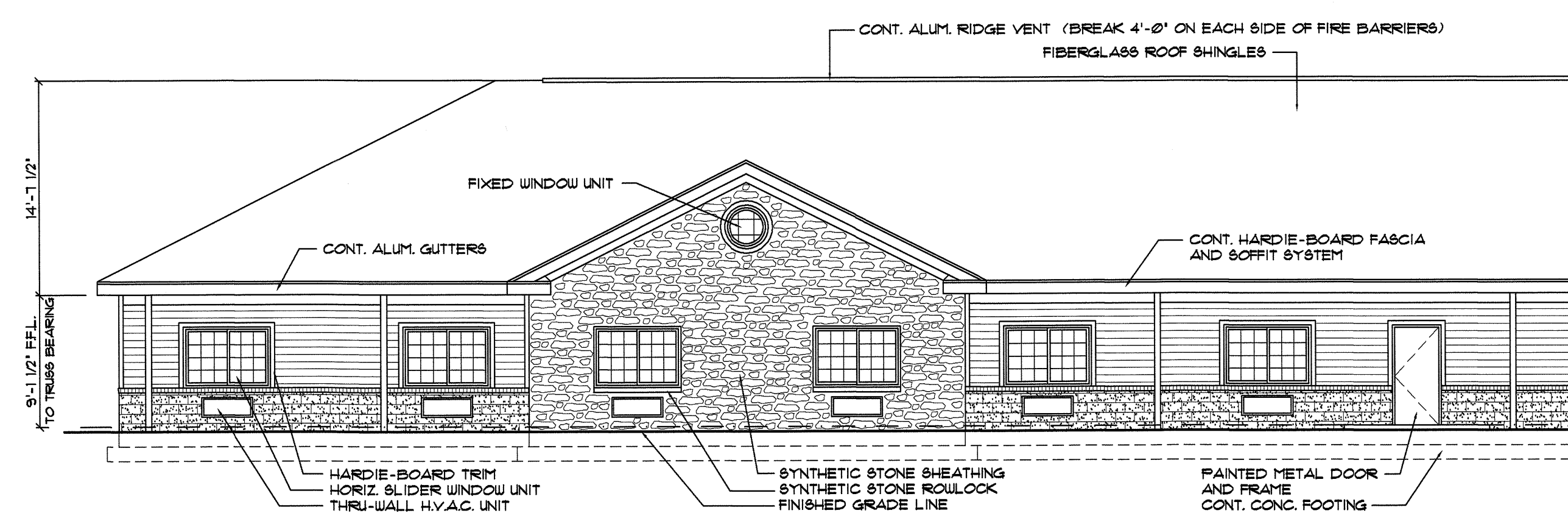


ELEVATION KEY

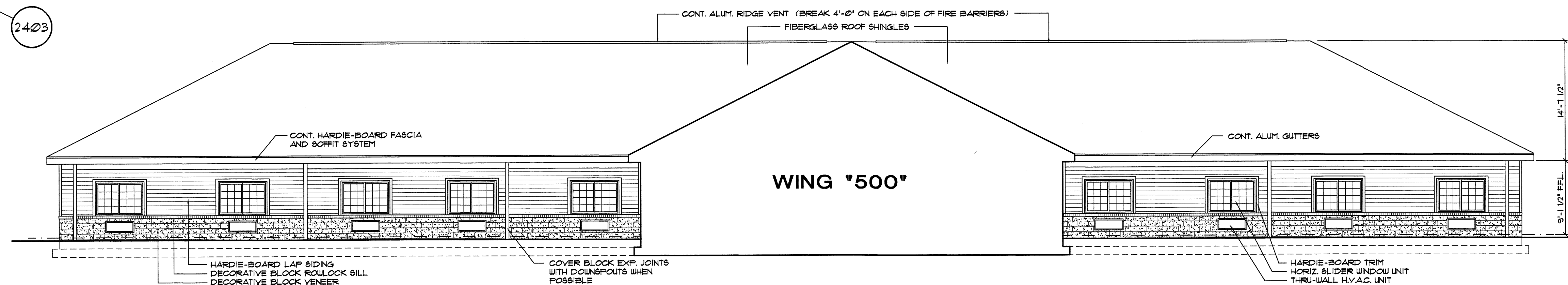
DOWNSPOUT NOTES:

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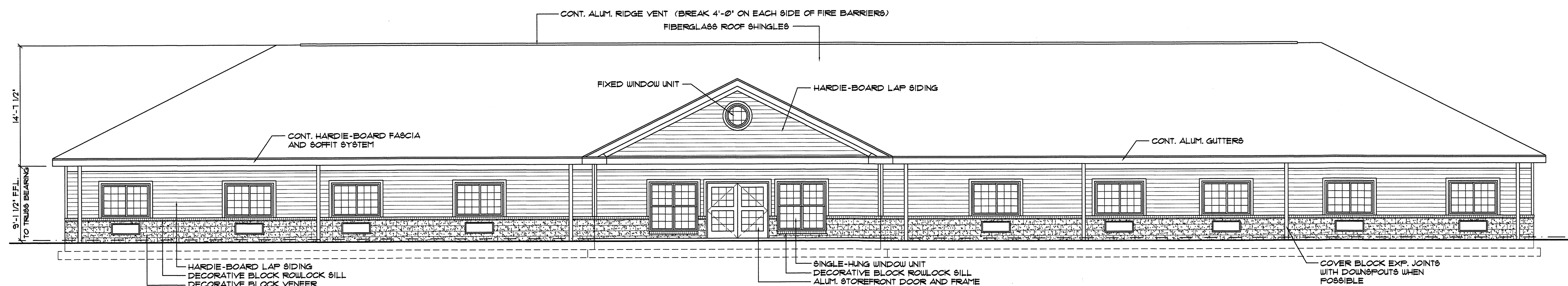
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. VERIFY COLOR WITH OWNER.



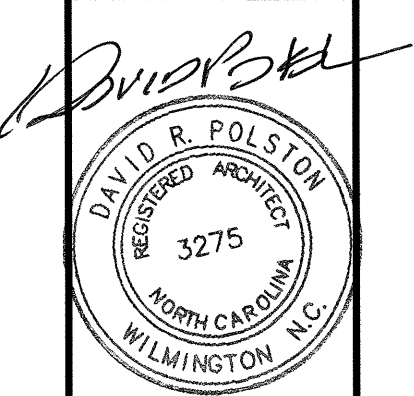
2402 ELEVATION
SCALE: 1/8" = 1'-0"



2403 ELEVATION
SCALE: 1/8" = 1'-0"



2404 ELEVATION
SCALE: 1/8" = 1'-0"

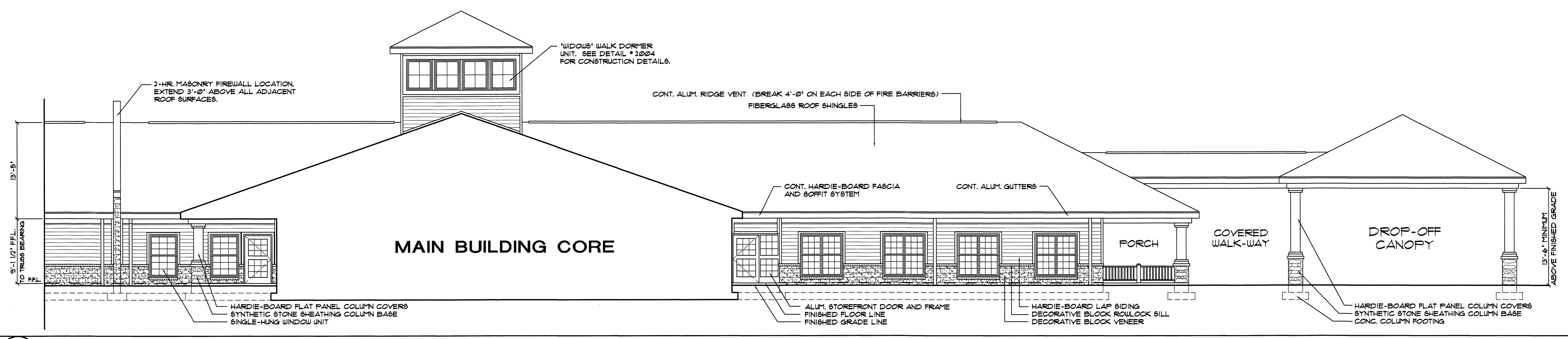


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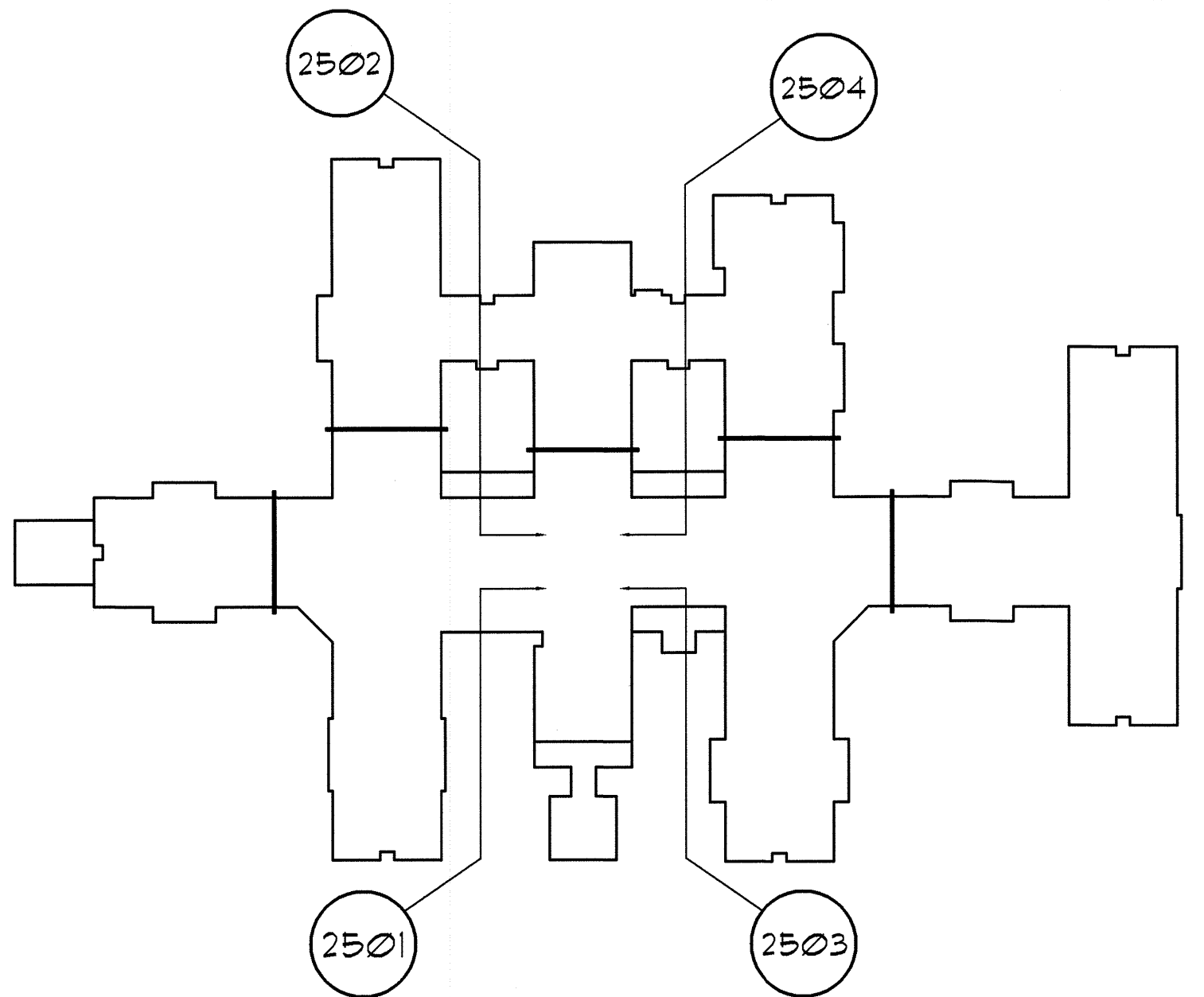
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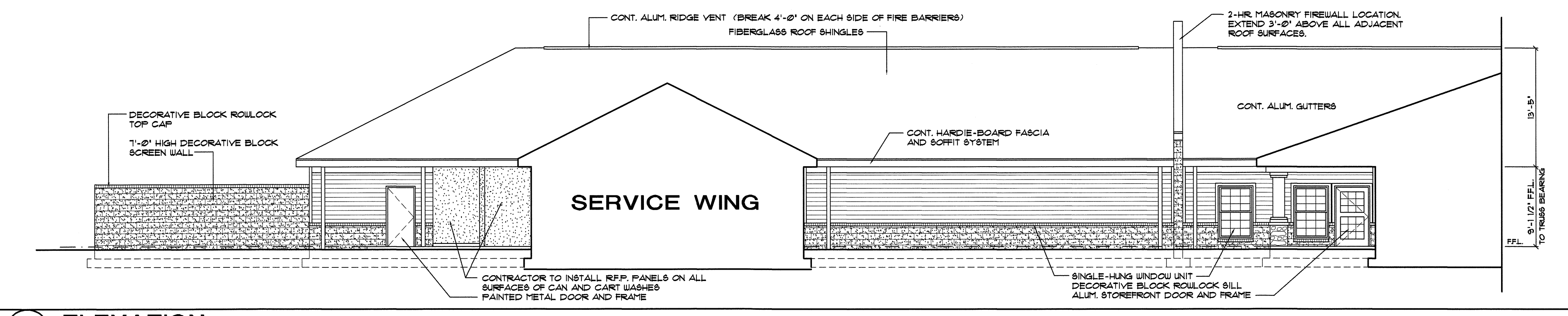
**A
25**



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

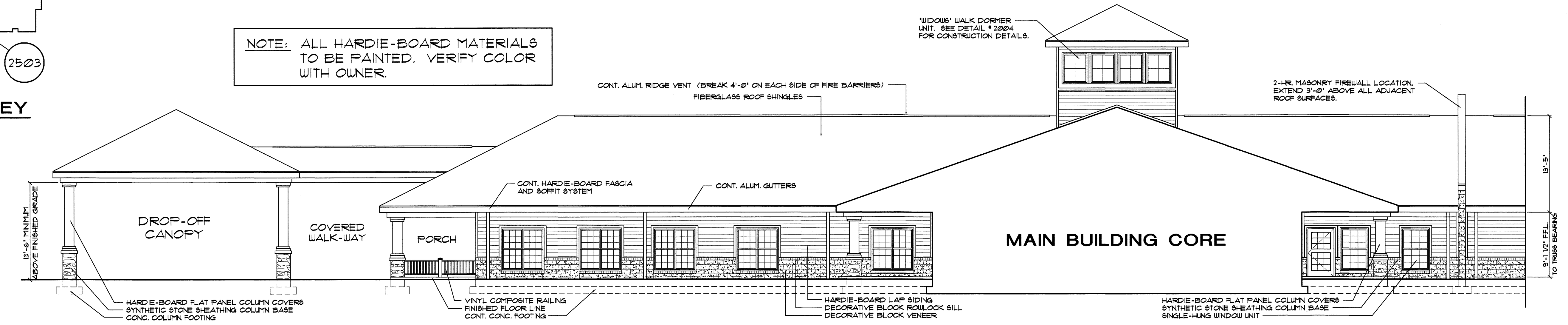


ELEVATION KEY



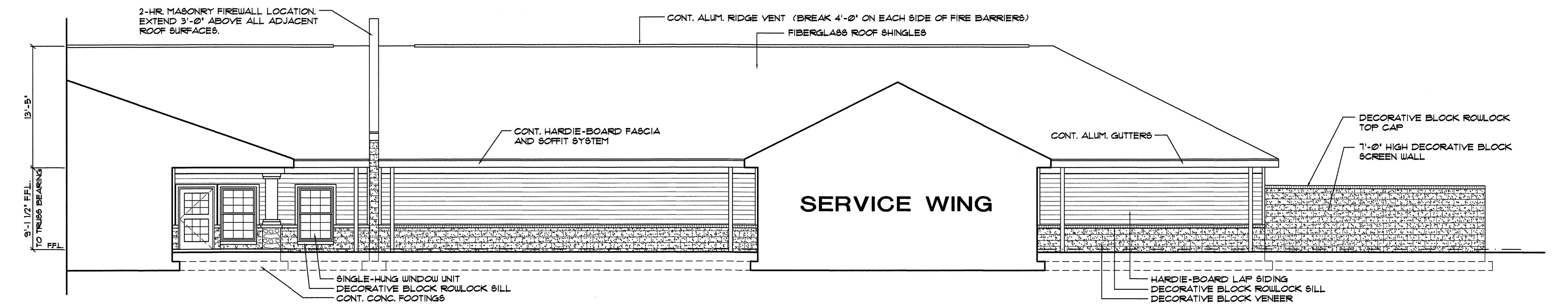
2502 ELEVATION
SCALE: 1/8" = 1'-0"

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

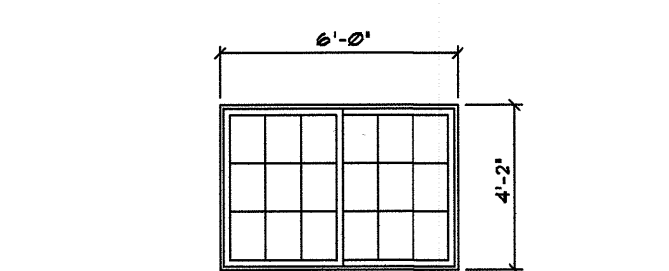


2503 ELEVATION
SCALE: 1/8" = 1'-0"

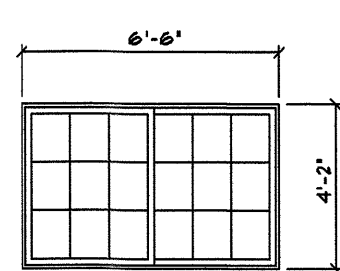
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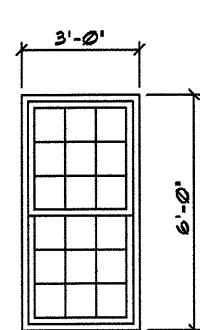
2504 ELEVATION
SCALE: 1/8" = 1'-0"



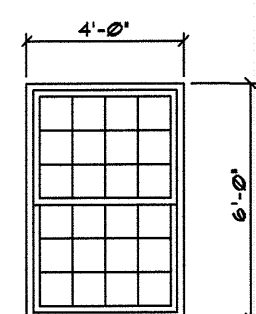
A GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5045 - 12' X 50'
ALUM. HORIZONTAL SLIDER WINDOW W/
GRILL PATTERN - COLOR TO BE WHITE



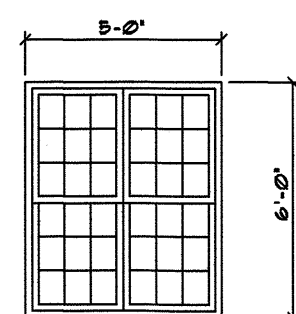
B GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5045 - 18' X 50'
ALUM. HORIZONTAL SLIDER WINDOW W/
GRILL PATTERN - COLOR TO BE WHITE



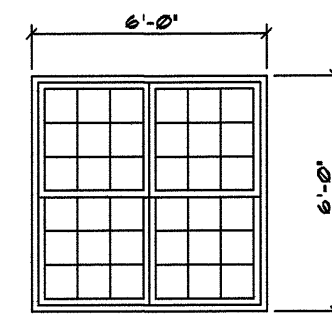
C GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5000 - 36' X 12'
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



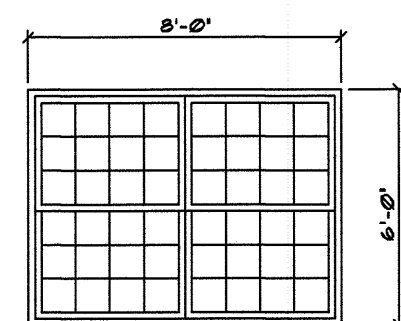
D GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5000 - 48' X 12'
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



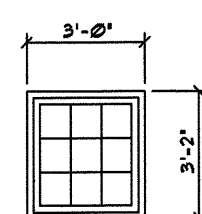
E GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5000 - (2) 30' X 12'
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



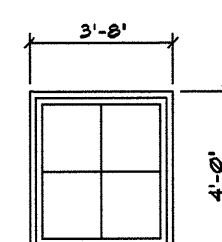
F GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5000 - (2) 36' X 12'
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



G GERKIN WINDOWS - RHINO SERIES
MODEL NO. 5000 - (2) 48' X 12'
SINGLE-HUNG WINDOW UNIT W/ GRILL
PATTERN - COLOR TO BE WHITE



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



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



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

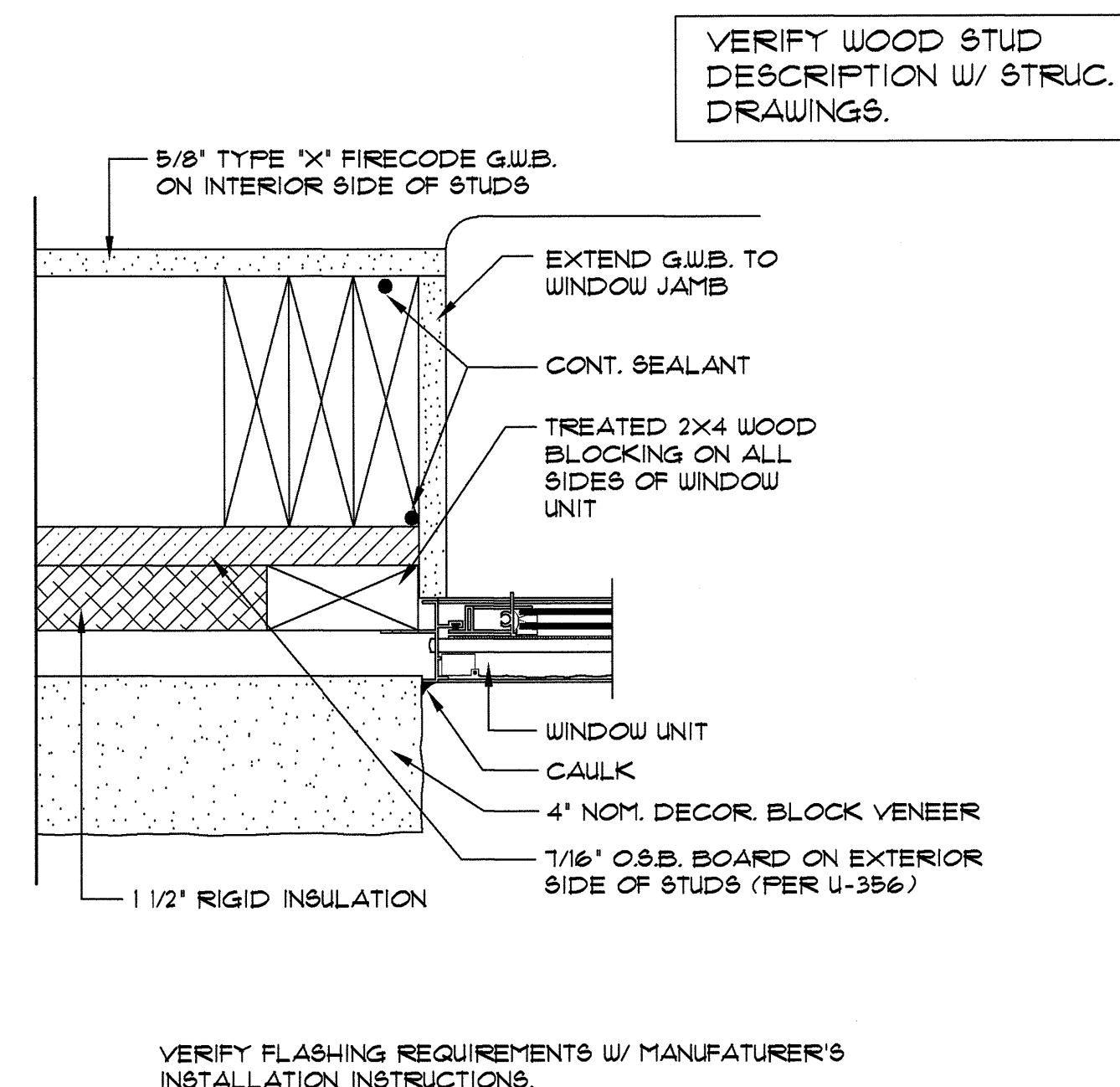
NOTES:
ALL WINDOW UNITS TO BE COMPLETE, INCLUDING FLASHING,
INSULATING GLASS, OPERABLE HARDWARE, GRILLE PATTERN,
AND INSECT SCREENS FOR OPERABLE UNITS.

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

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

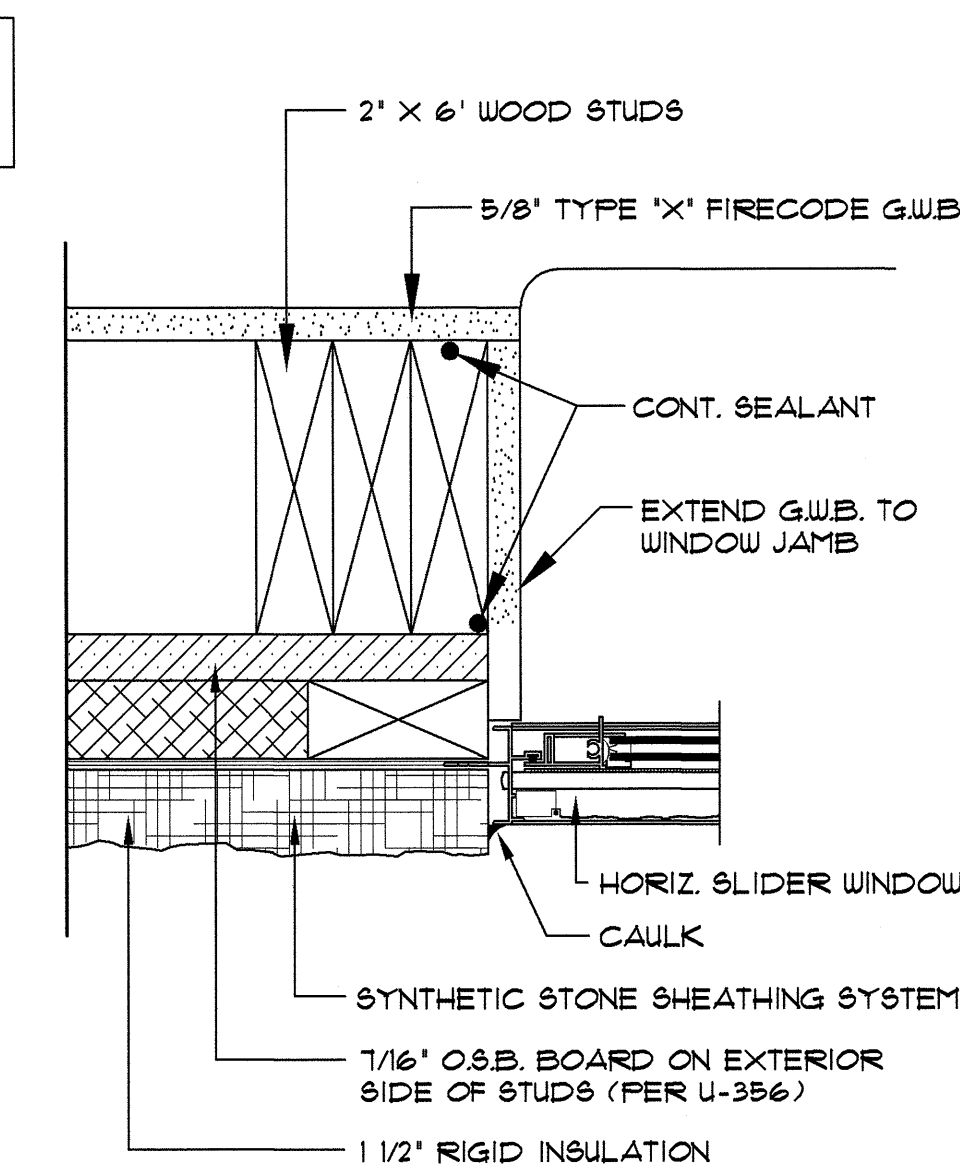
NOTE: ALL WINDOW GLAZING TO COMPLY WITH CURRENT
N.C. ENERGY CODE AND HAVE A U-VALUE OF 38
OR BETTER.

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



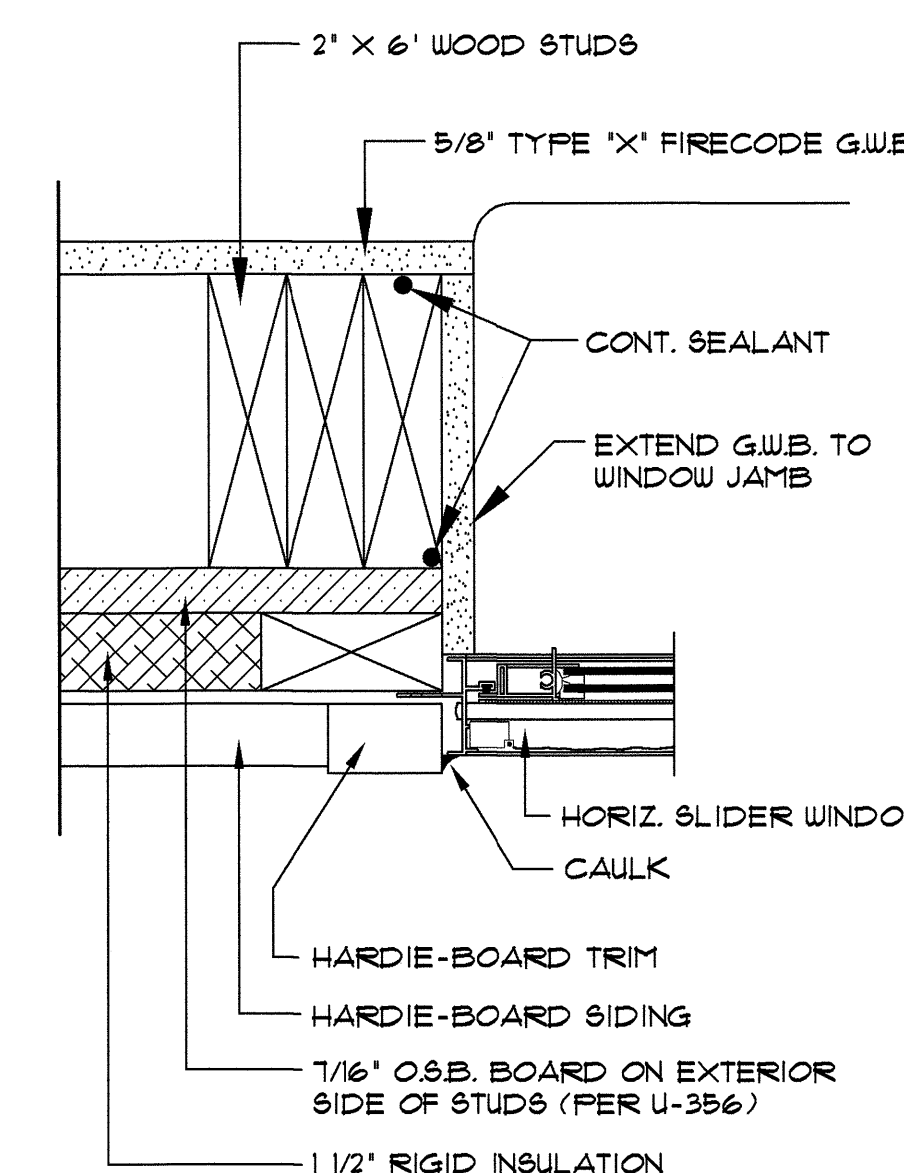
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.

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



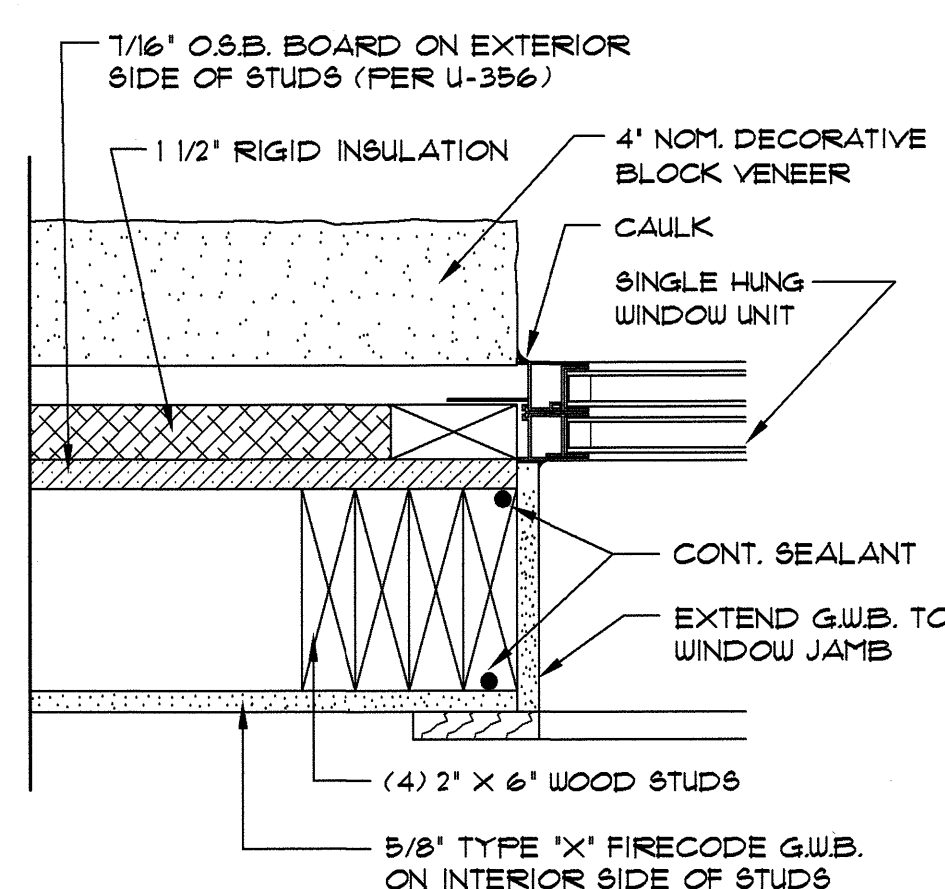
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.

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



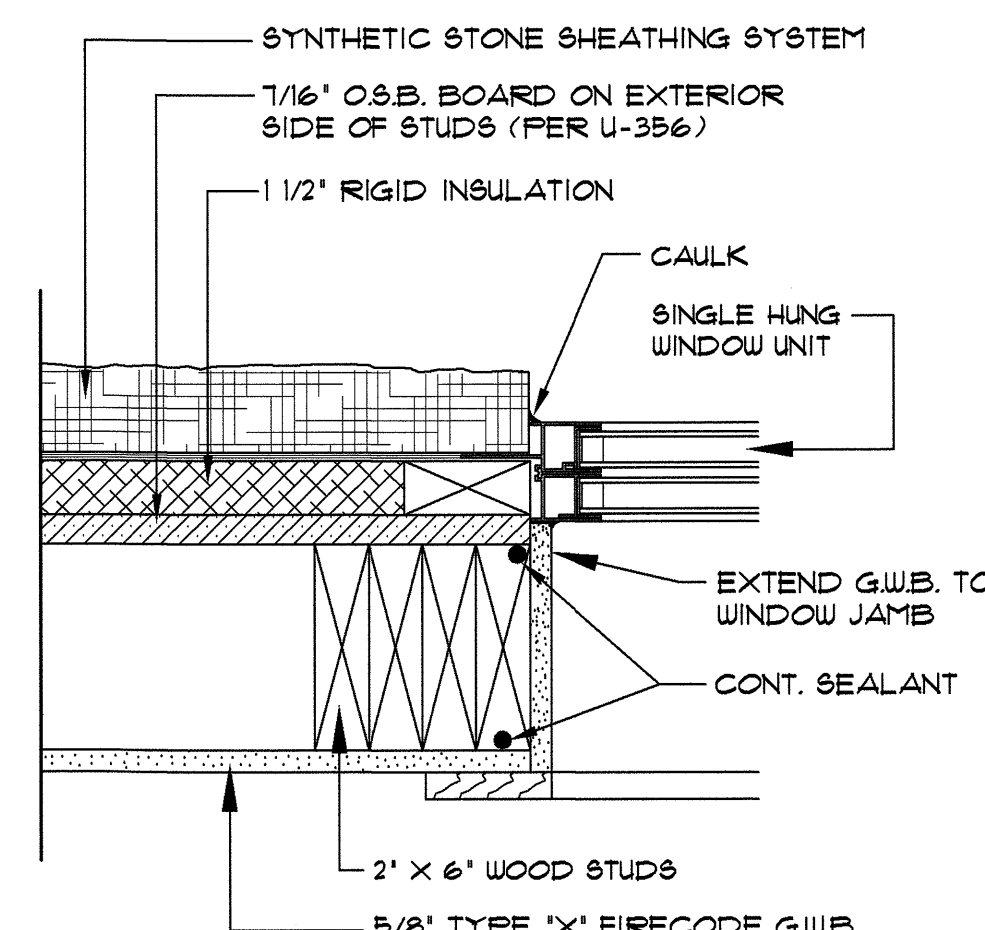
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.

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



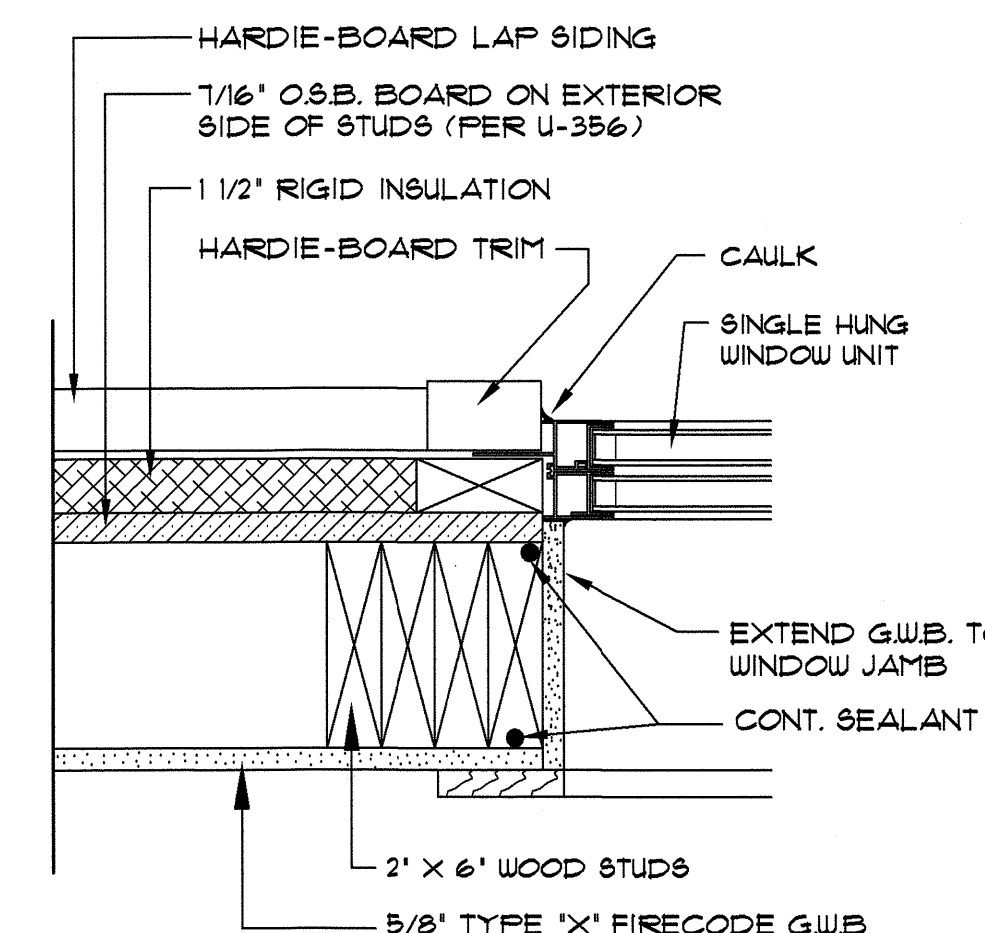
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.

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



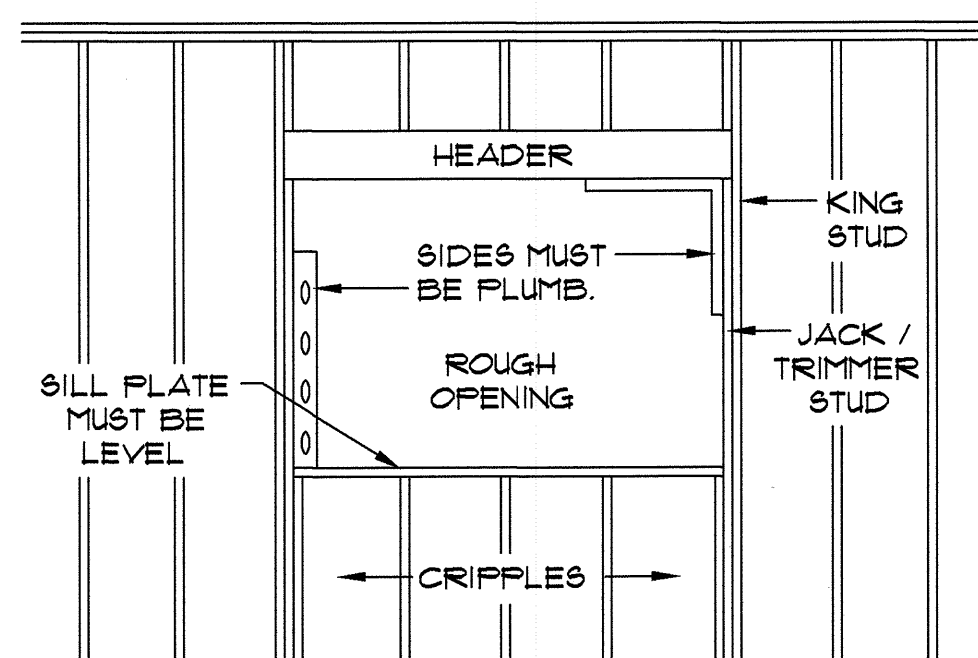
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.

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

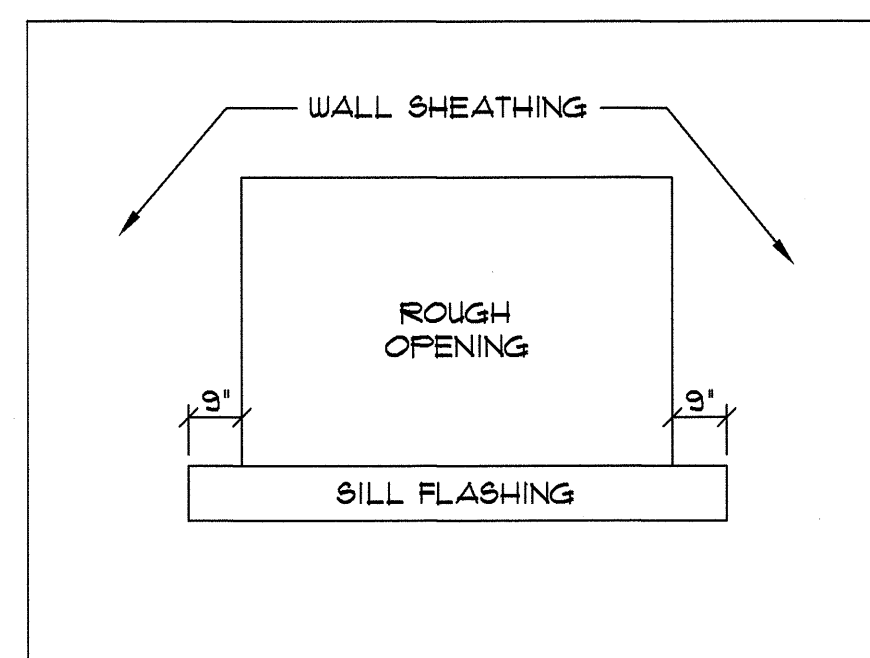


VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS.

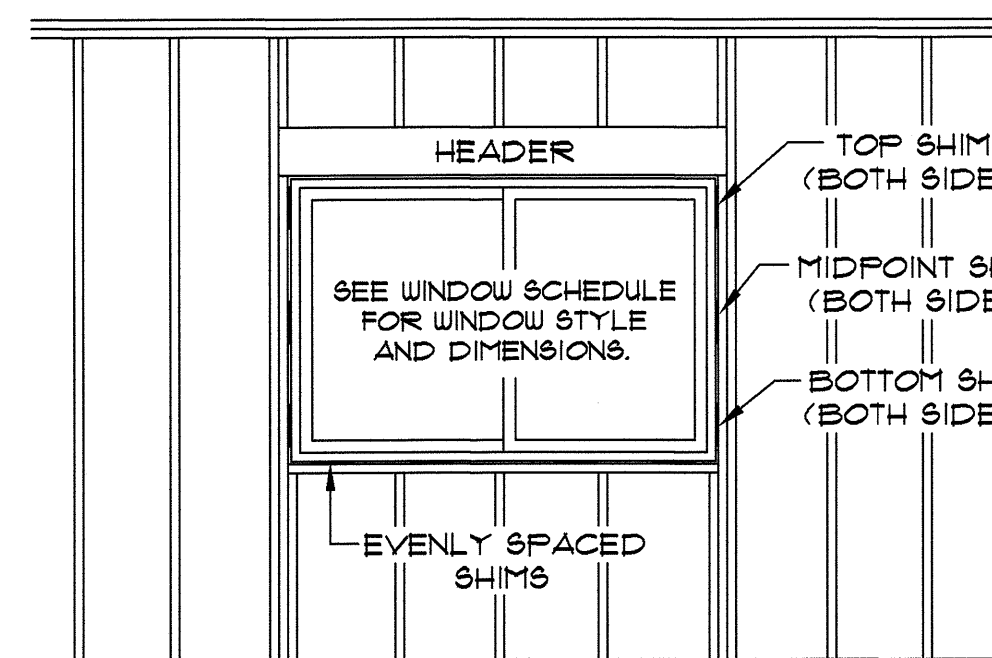
2607 **DETAIL** JAMB AT SINGLE-HUNG
SCALE: N.T.S. WINDOW (AT HARDIE-BOARD)



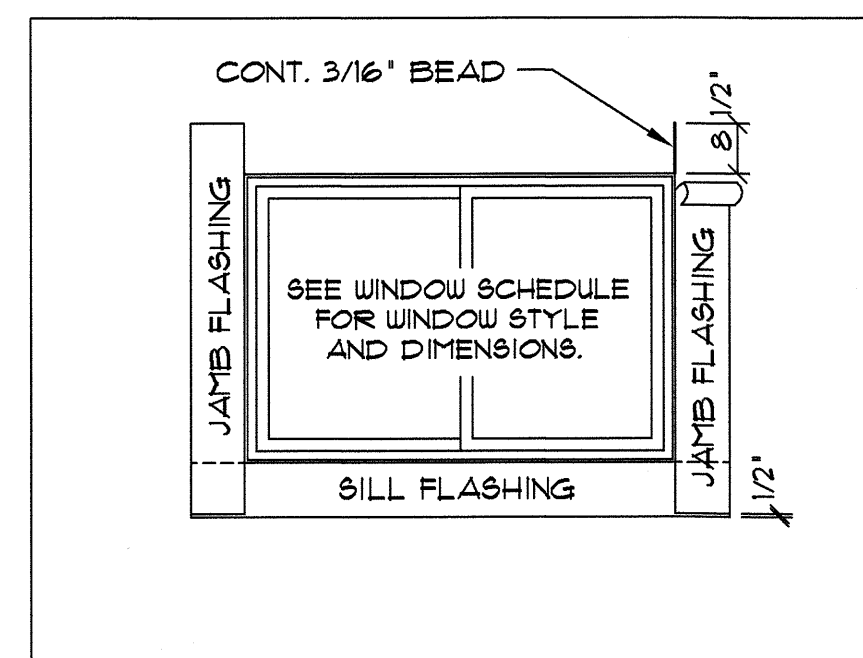
INTERIOR VIEW



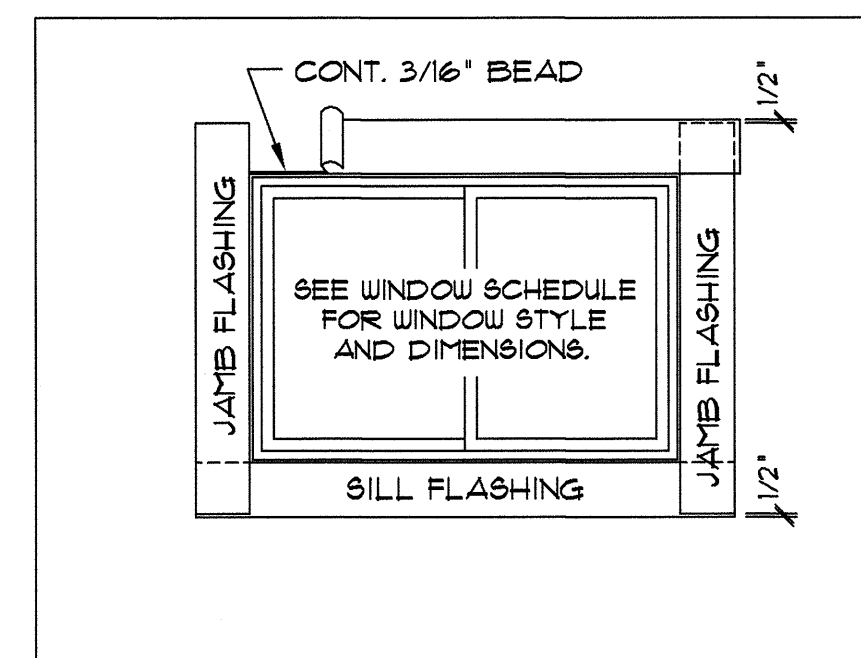
EXTERIOR VIEW



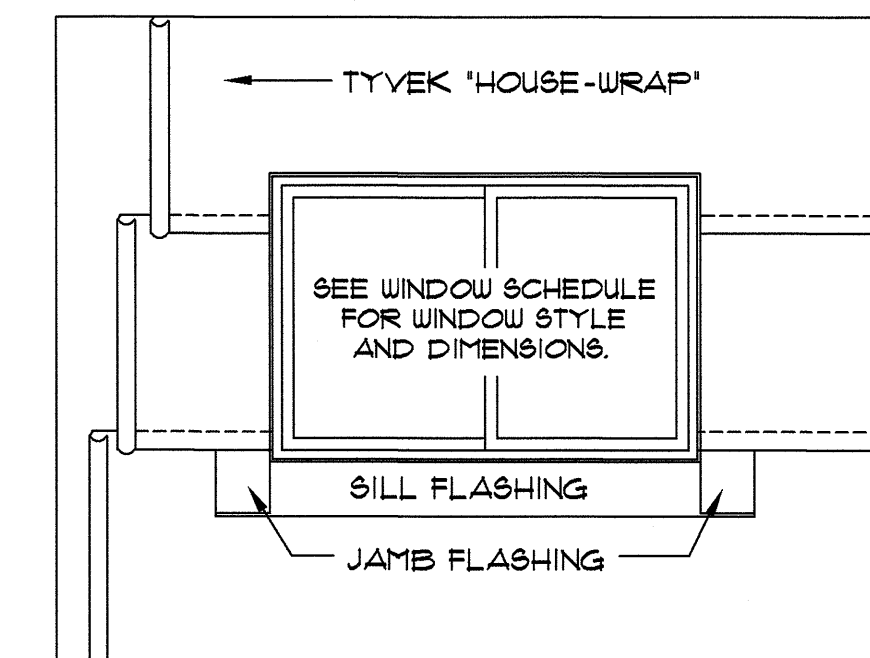
INTERIOR VIEW



EXTERIOR VIEW



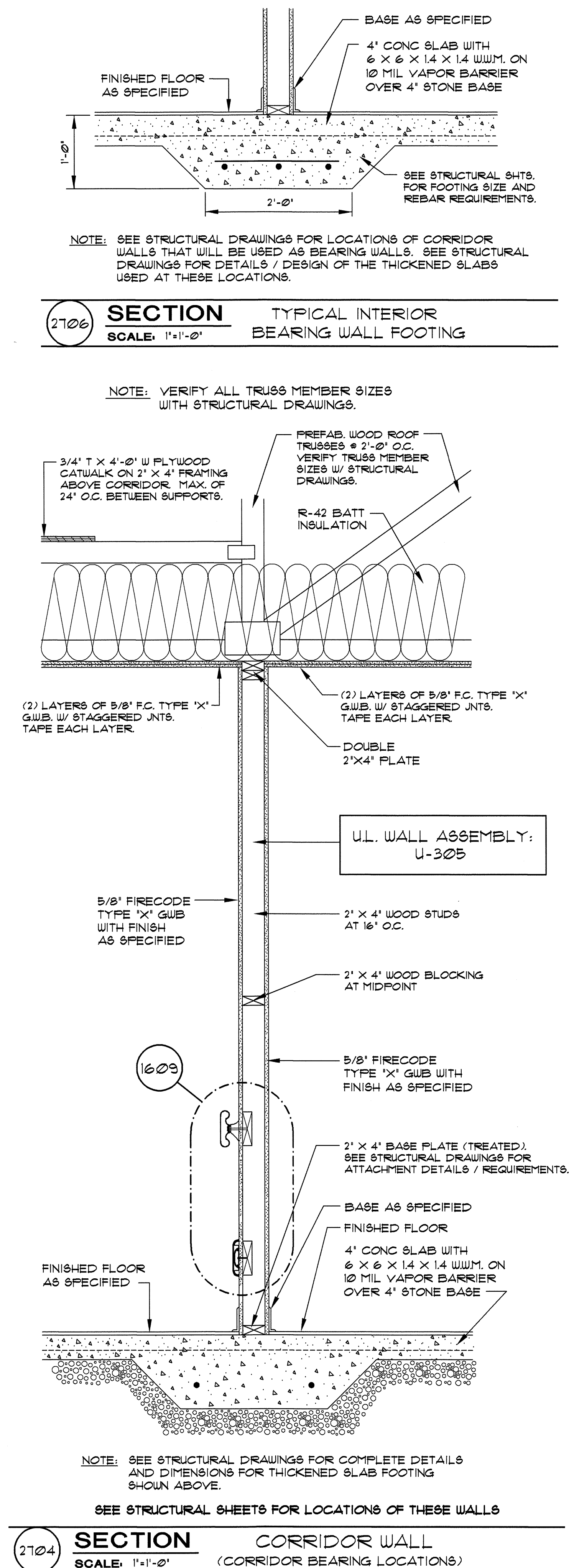
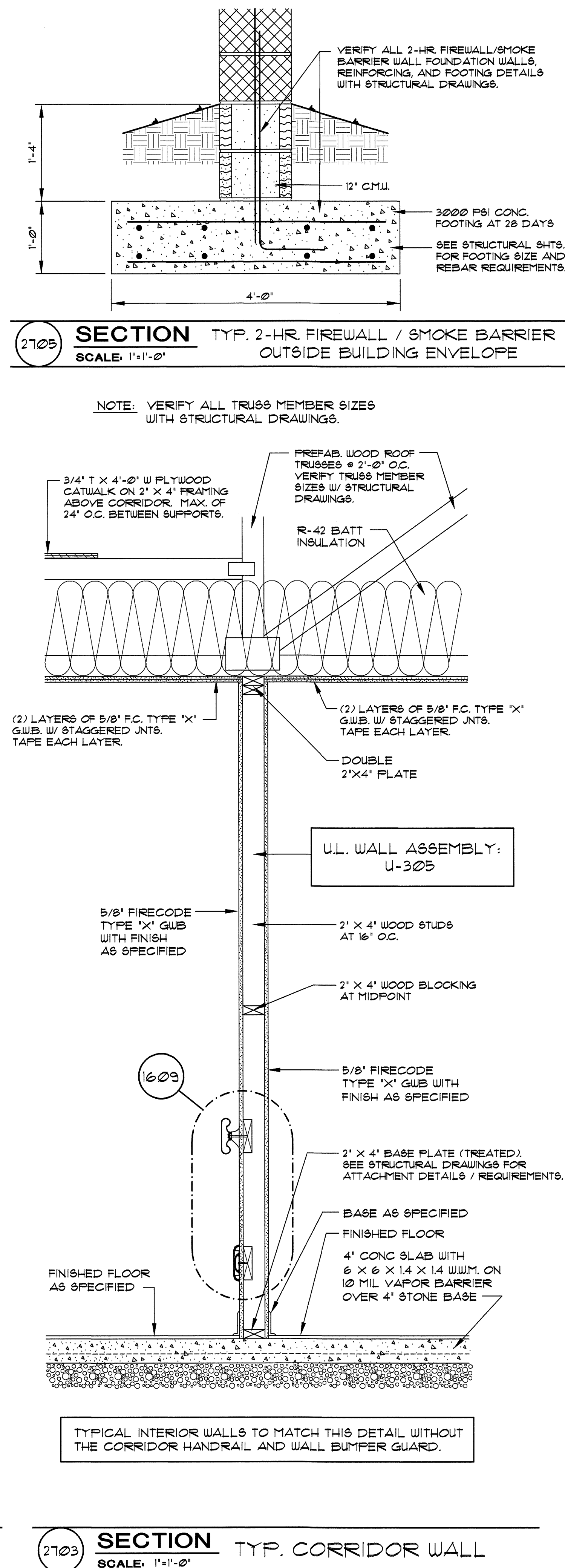
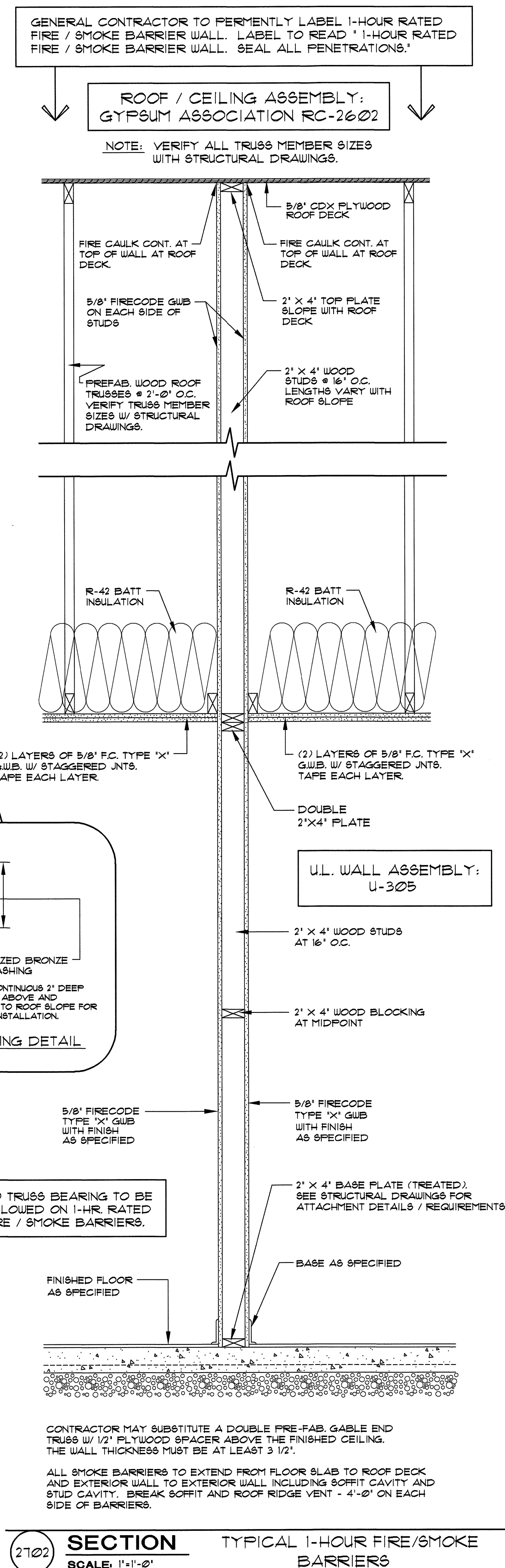
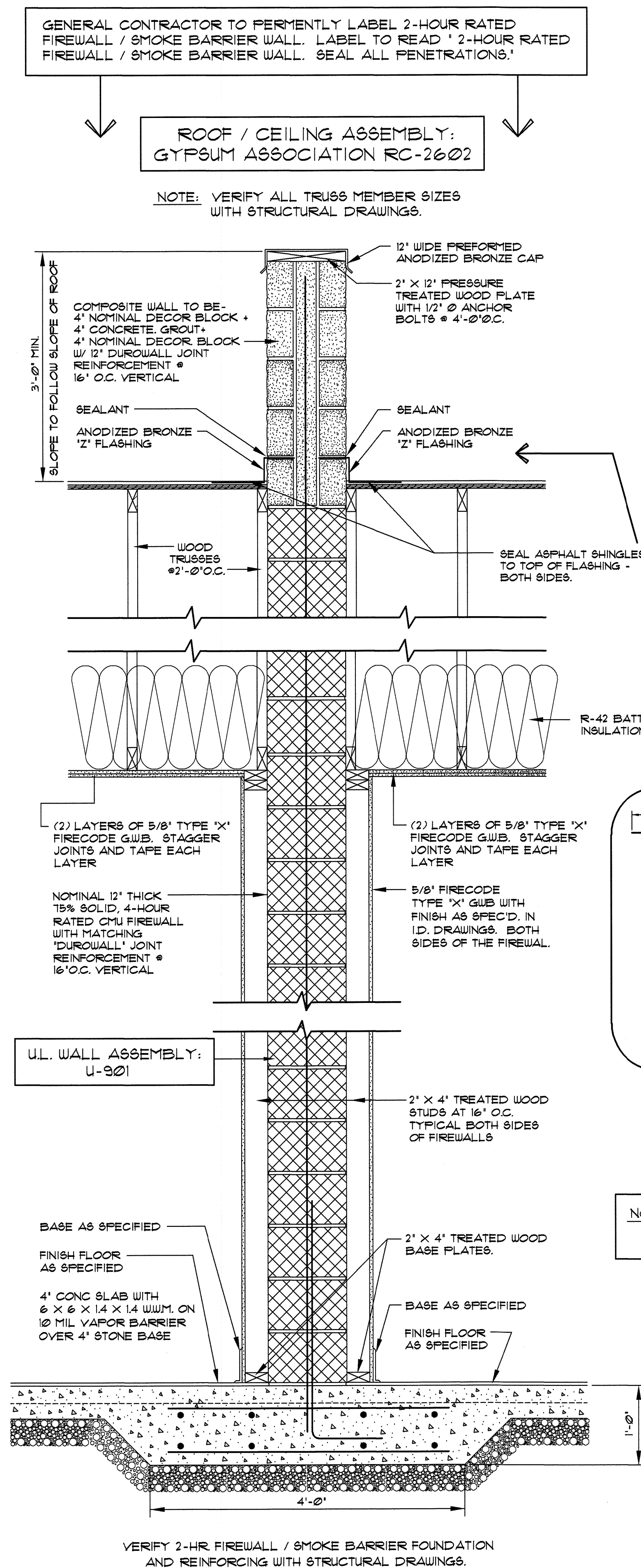
EXTERIOR VIEW



EXTERIOR VIEW

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

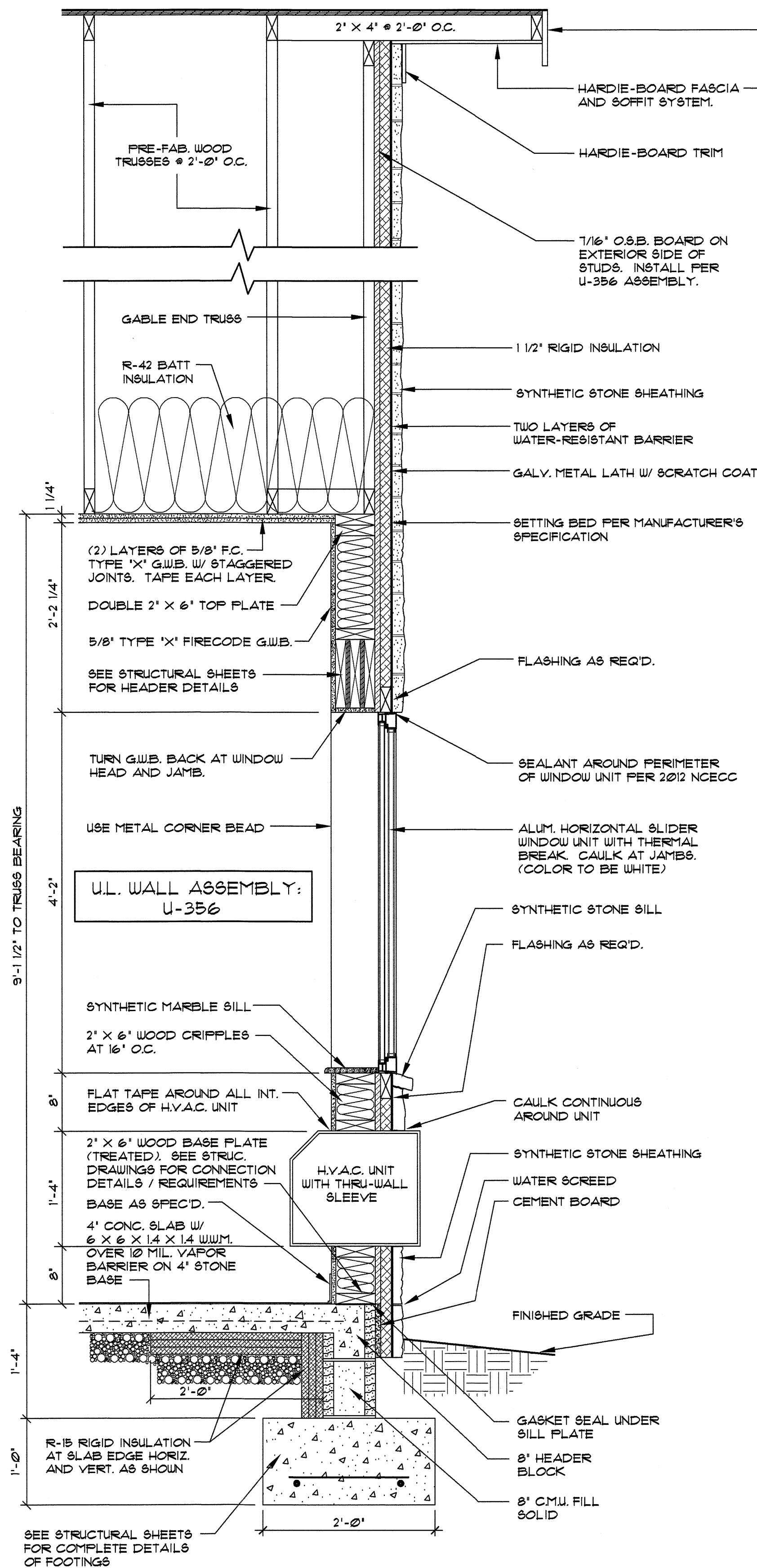
NOTE: CONTRACTOR TO VERIFY THE ABOVE WITH WINDOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
CONTRACTOR TO VERIFY WINDOW FRAMING REQUIREMENTS WITH THE STRUCTURAL DRAWINGS.



ROOF / CEILING ASSEMBLY:
GYPSUM ASSOCIATION RC-2602

NOTE:
SEE SECTION *2904 FOR ROOF,
CEILING, FASCIA AND SOFFIT
TYPICAL CONSTRUCTION NOTES
AND DIMENSIONS

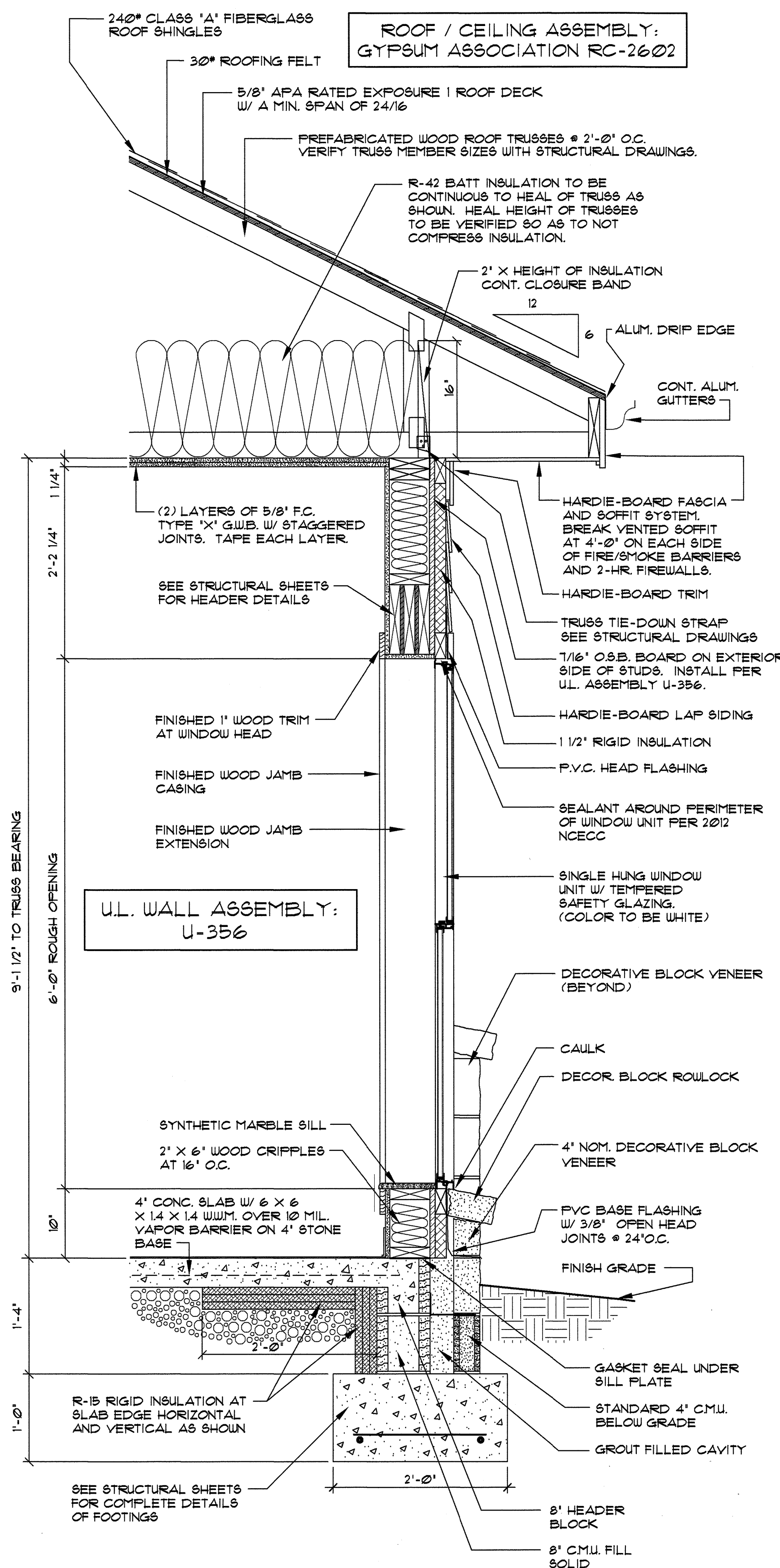
NOTE: CONTRACTOR TO OBTAIN DETAILED INSTALLATION
INSTRUCTIONS FOR SYNTHETIC STONE SHEATHING
SYSTEM PRIOR TO CONSTRUCTION. SYSTEM INSTALLED
STRICTLY PER MANUFACTURER'S INSTALLATION
INSTRUCTIONS AND WITH ALL REQUIRED SYSTEM
MATERIALS.



2801

SECTION
SCALE: 1" = 1'-0"

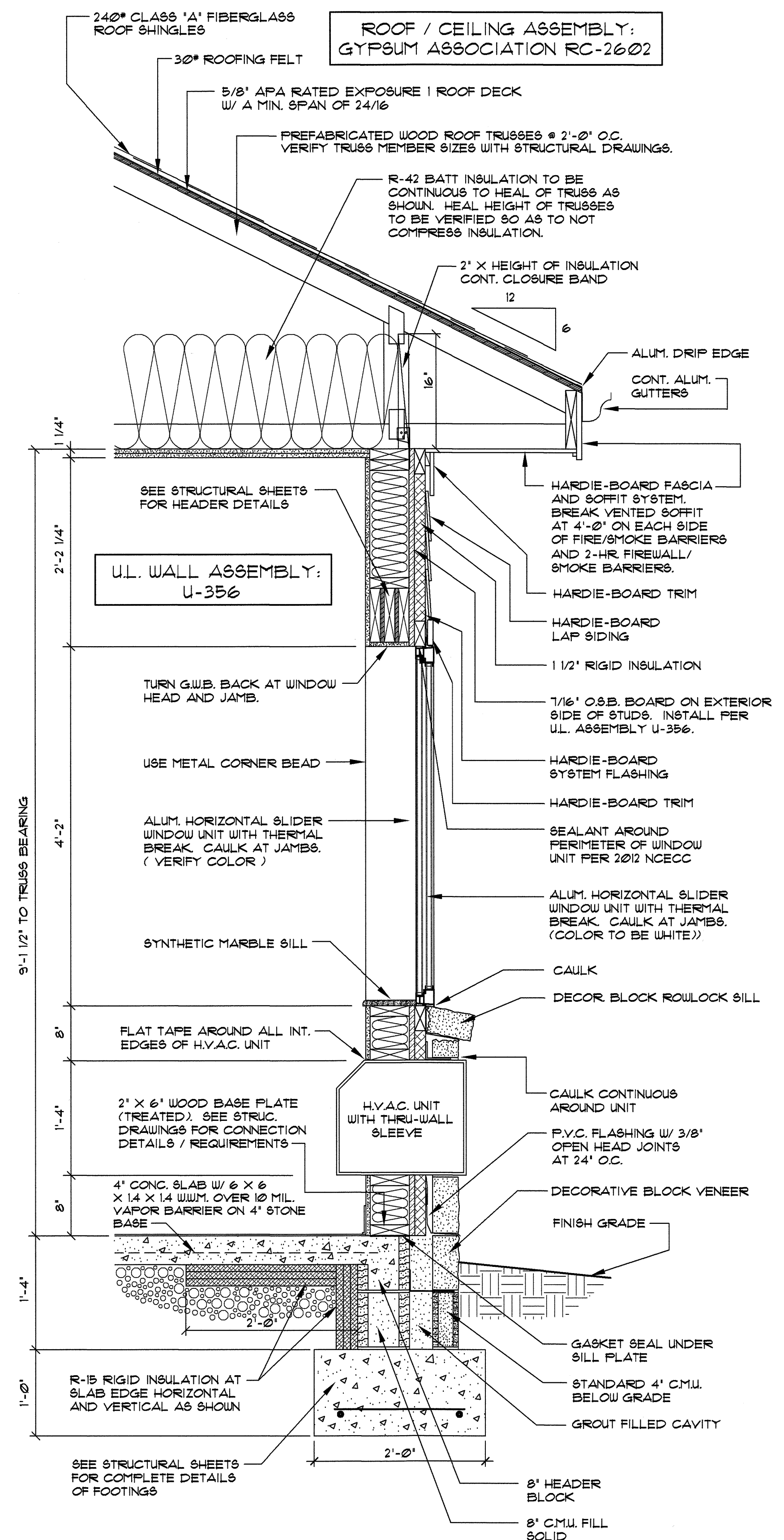
TYPICAL SECTION OF HORIZ. SLIDER WINDOW UNIT AT GABLE ENDS
WITH FULL WALL HEIGHT SYNTHETIC STONE



2802

SECTION
SCALE: 1" = 1'-0"

TYPICAL SECTION AT SINGLE-HUNG WINDOW UNITS
AT DECORATIVE BLOCK VENEER / LAP SIDING

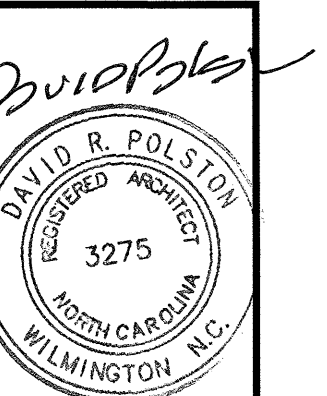


2803

SECTION
SCALE: 1" = 1'-0"

TYPICAL HORIZONTAL SLIDER WINDOW UNIT
DECORATIVE BLOCK VENEER / LAP SIDING

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



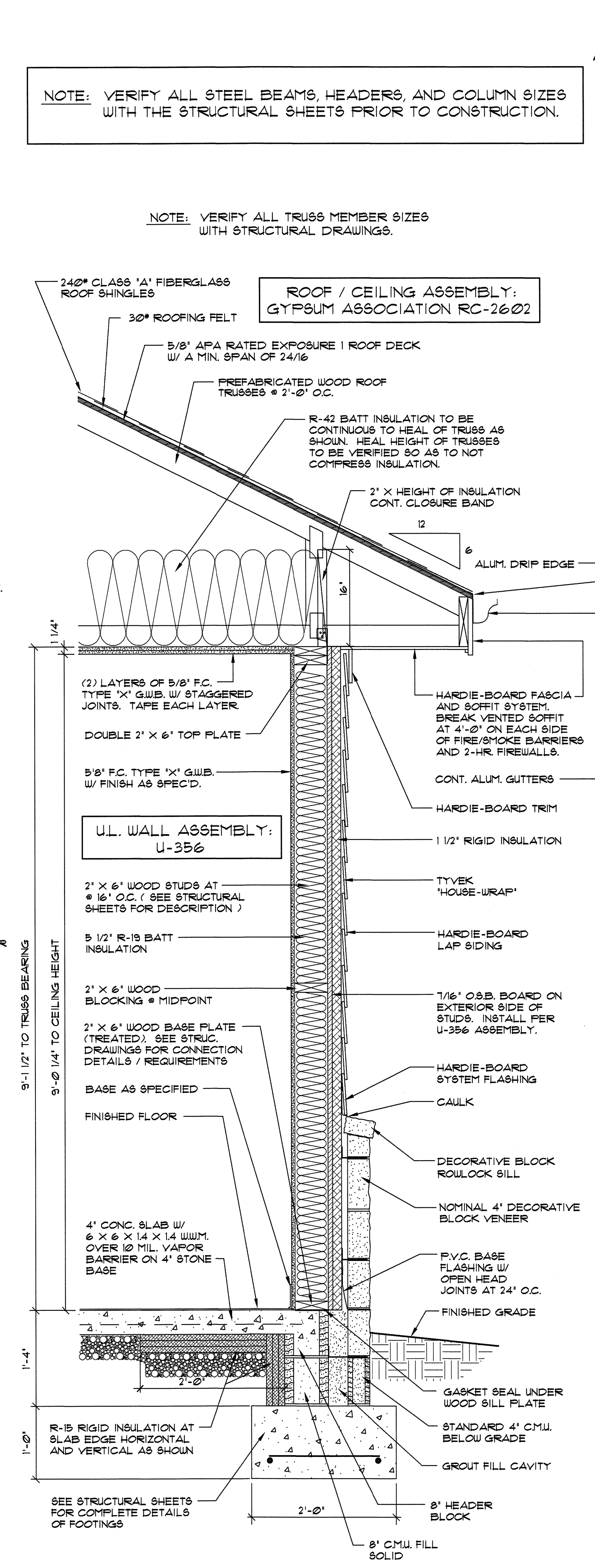
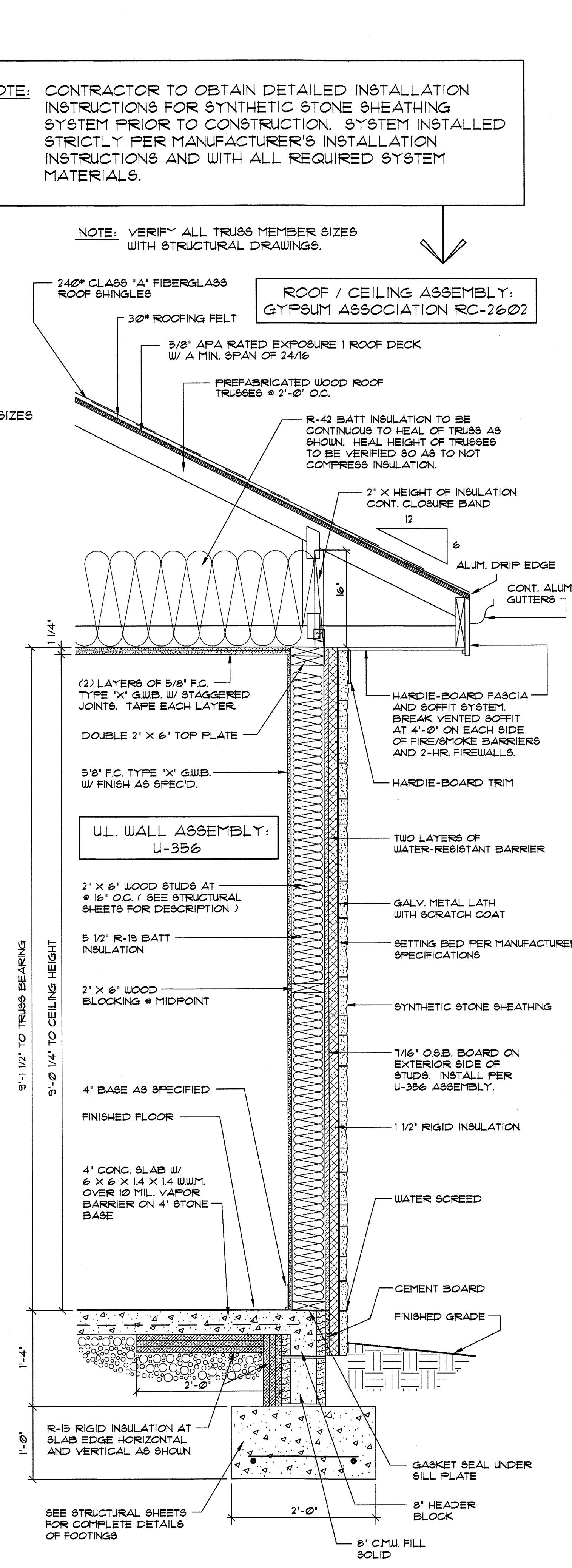
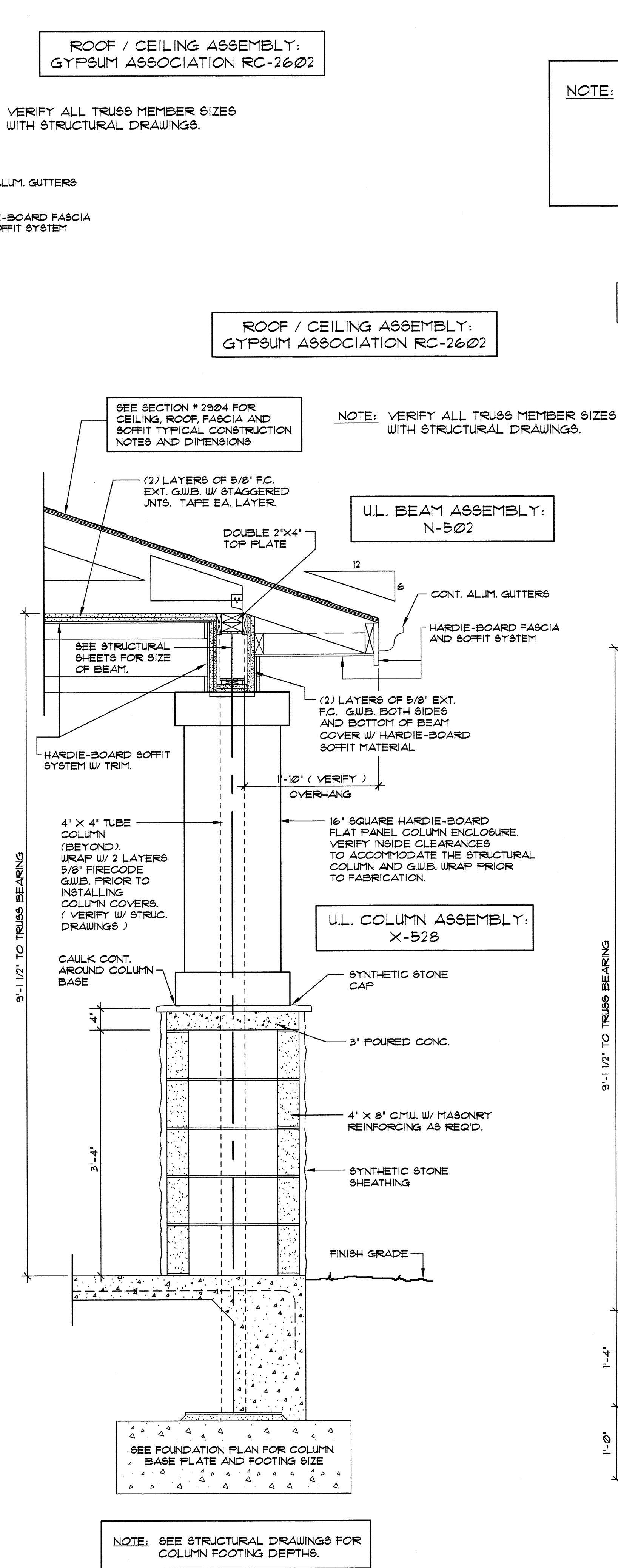
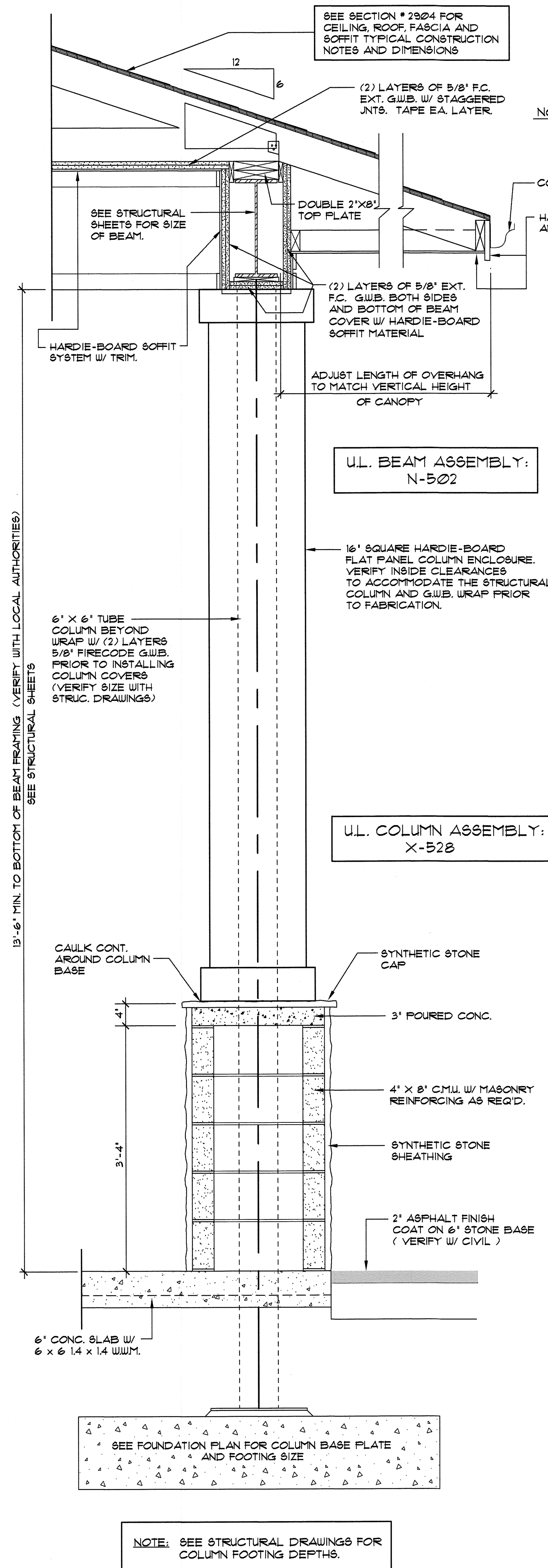
7-1-2025

**HEARTLAND LIVING
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Greensboro, North Carolina

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28**

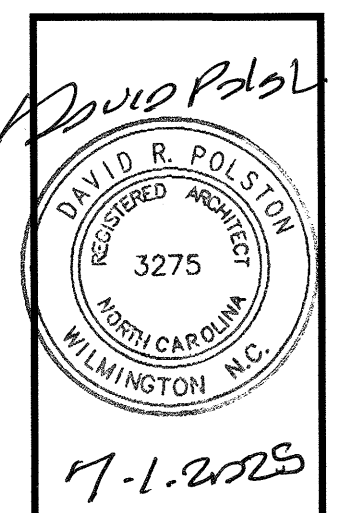


2901 SECTION BEAM & COLUMN AT CANOPIES
SCALE: 1" = 1'-0"

2902 SECTION BEAM AND COLUMN AT PORCHES # 91, # 92, # 93, AND # 94
SCALE: 1" = 1'-0"

2903 SECTION WALL SECTION AT FULL HEIGHT SYNTHETIC STONE SHEATHING
SCALE: 1" = 1'-0"

2904 SECTION TYP. EXTERIOR WALL SECTION AT DECORATIVE BLOCK VENEER / HARDIE-BOARD SIDING
SCALE: 1" = 1'-0"

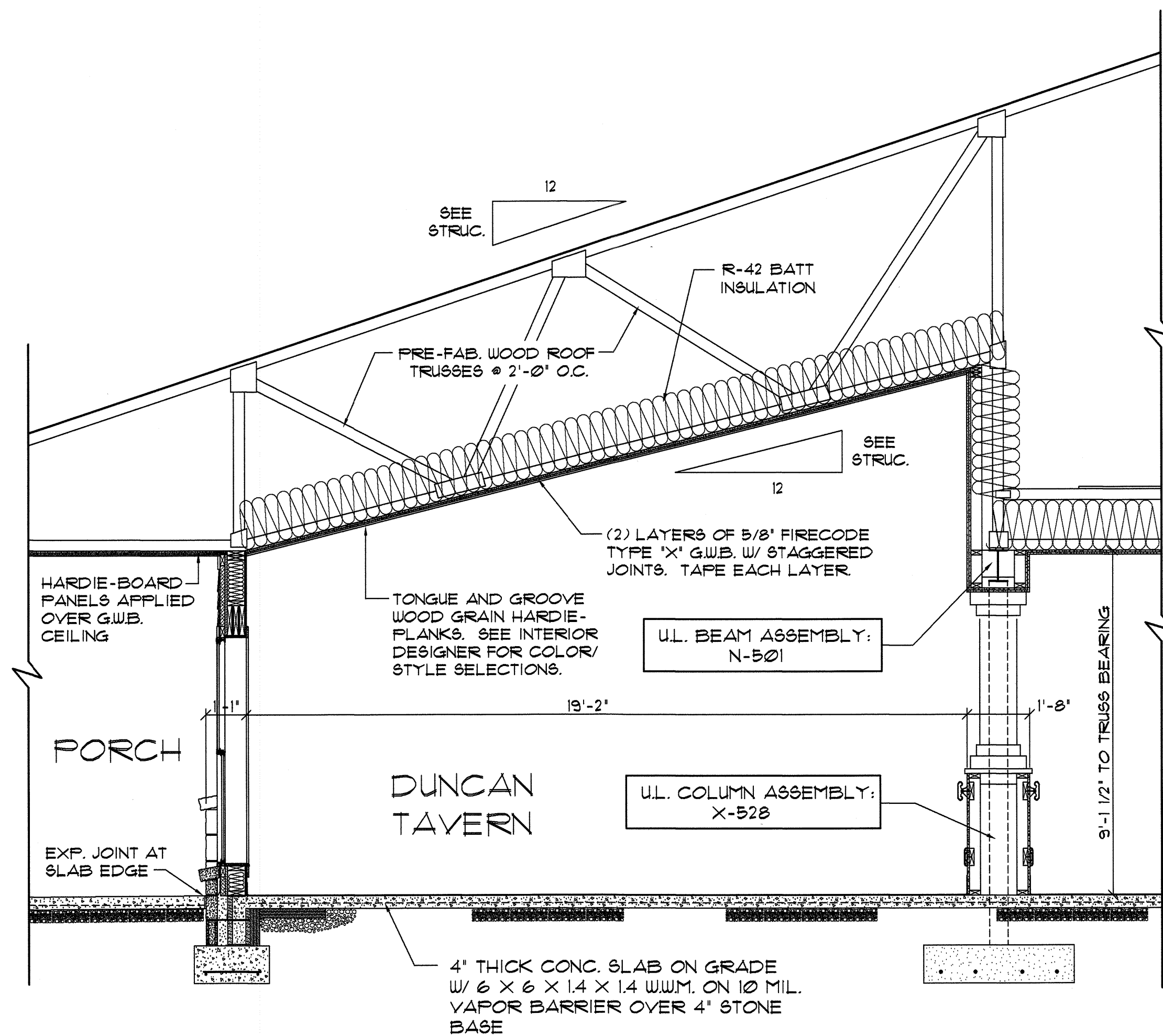


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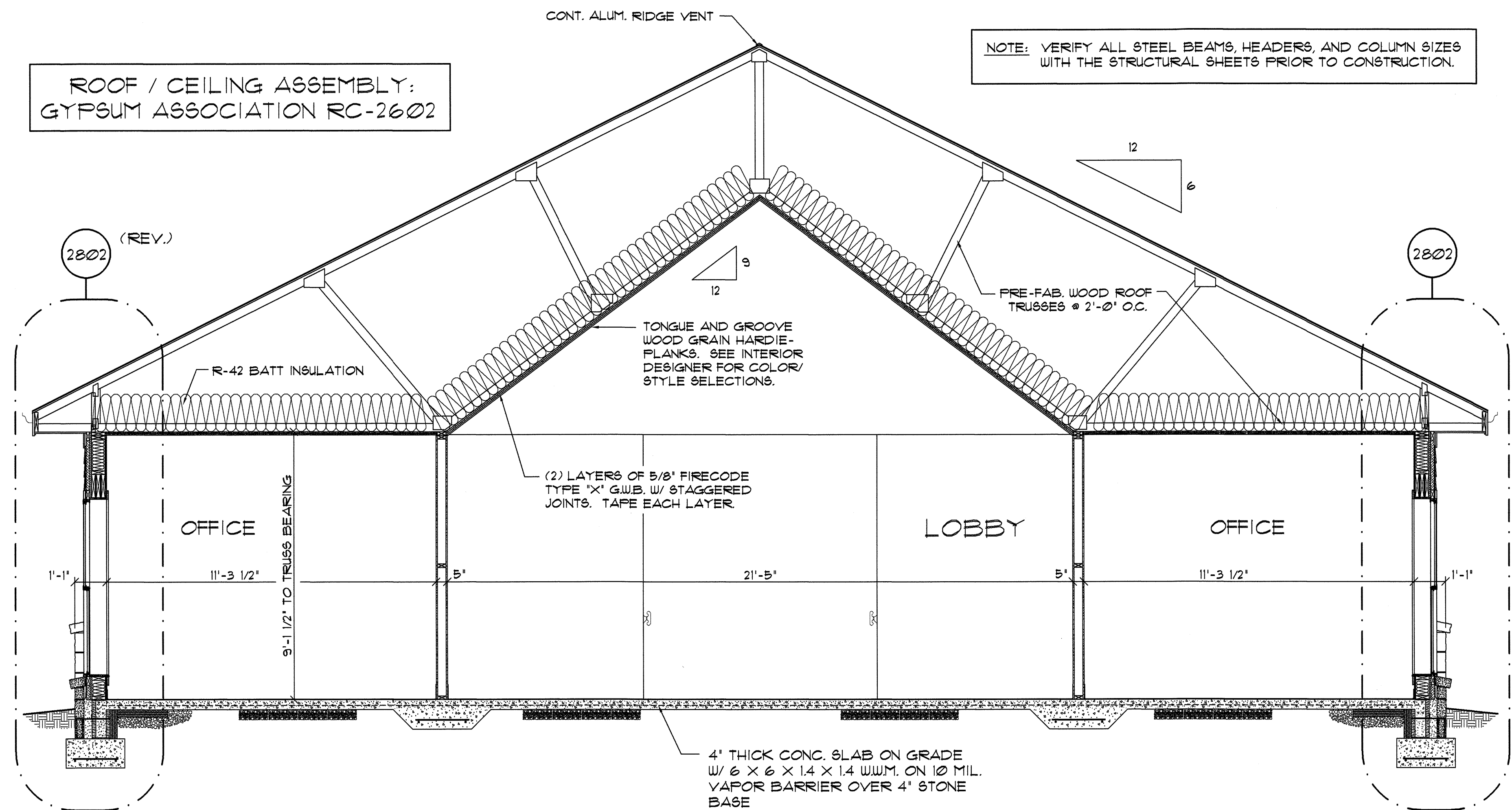
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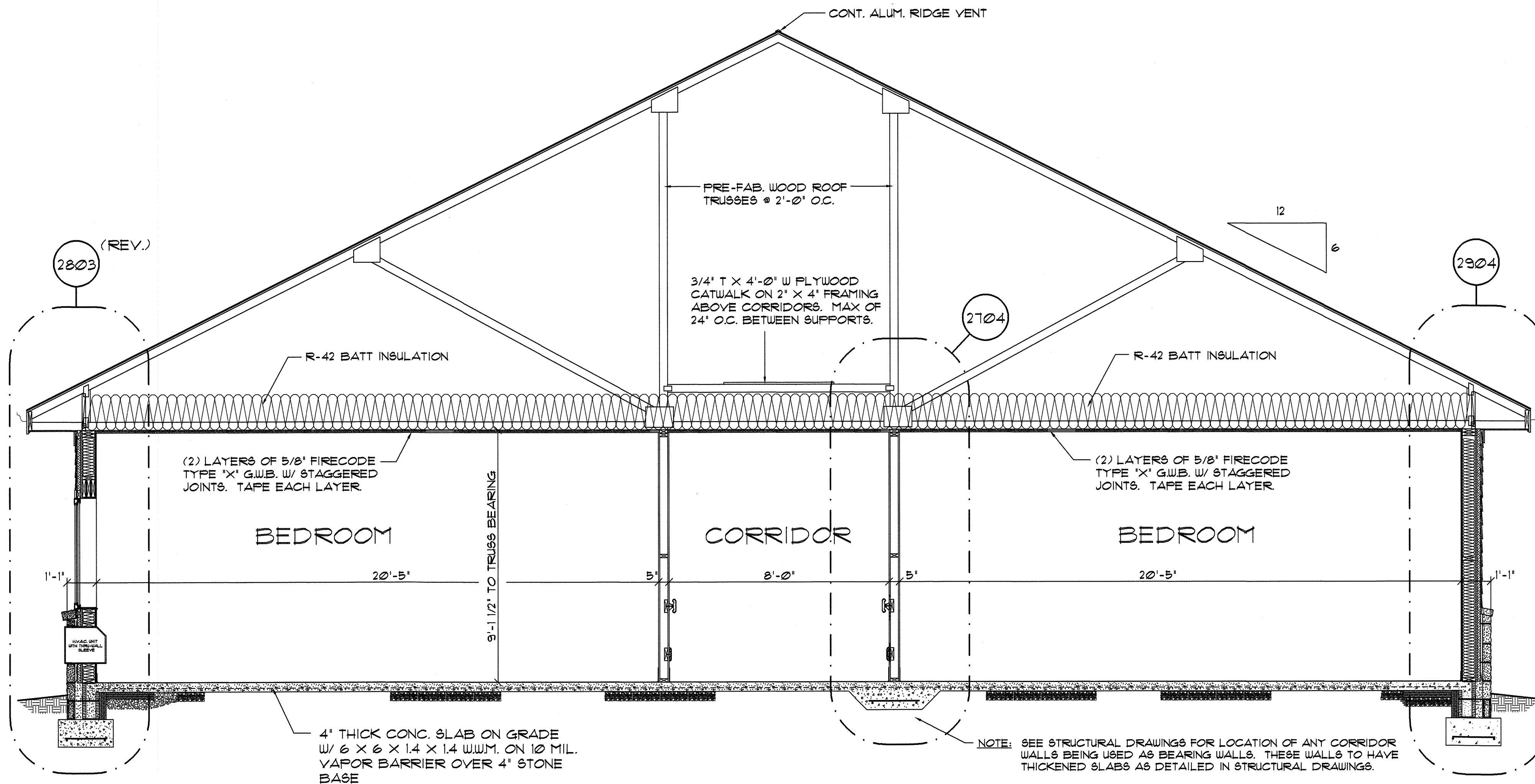
**A
29**



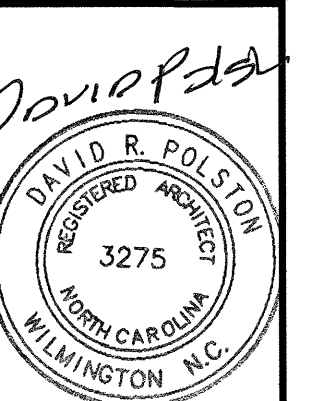
SECTION 3001 SCALE: 3/8"=1'-0" CROSS-SECTION AT DUNCAN TAVERN # 37



SECTION 3002 SCALE: 3/8"=1'-0" CROSS-SECTION AT LOBBY # 1A



SECTION 3003 SCALE: 3/8"=1'-0" CROSS-SECTION AT TYPICAL BEDROOM WING



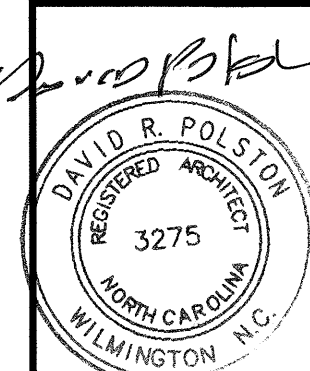
7-1-2025

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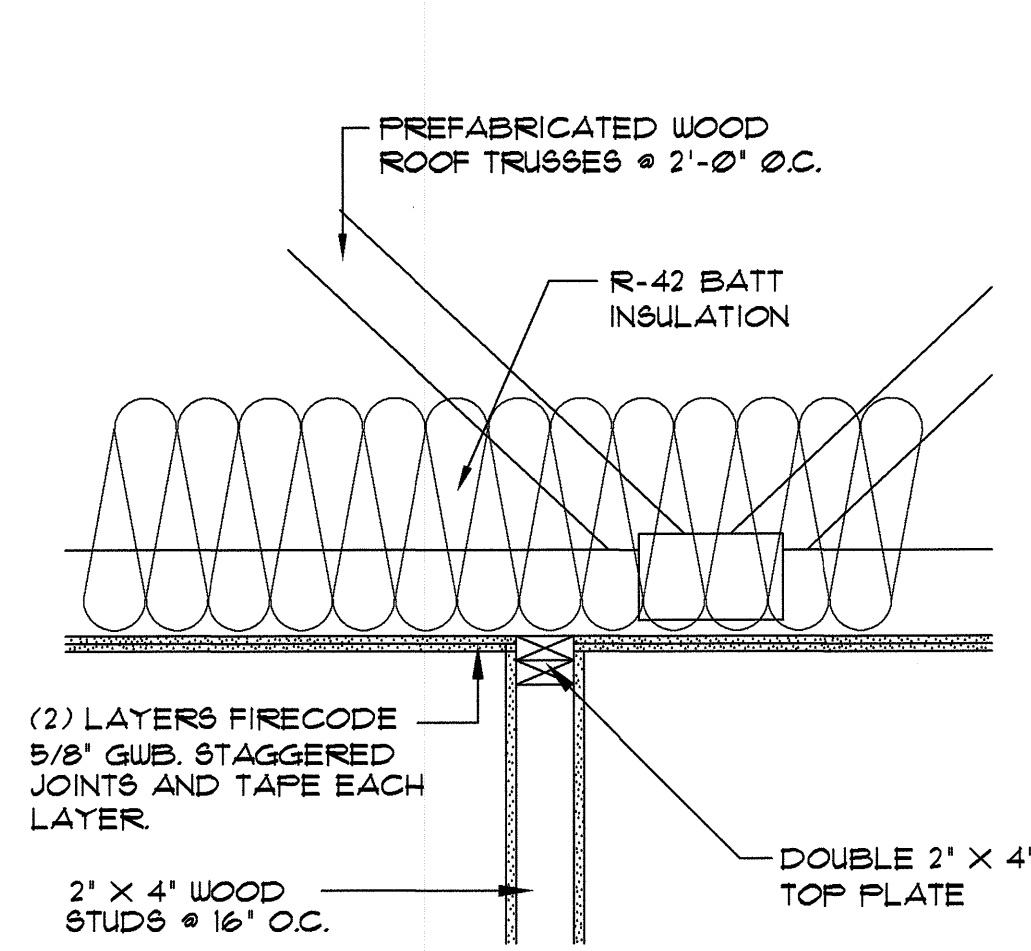
HEARTLAND LIVING AND REHABILITATION

Greensboro, North Carolina

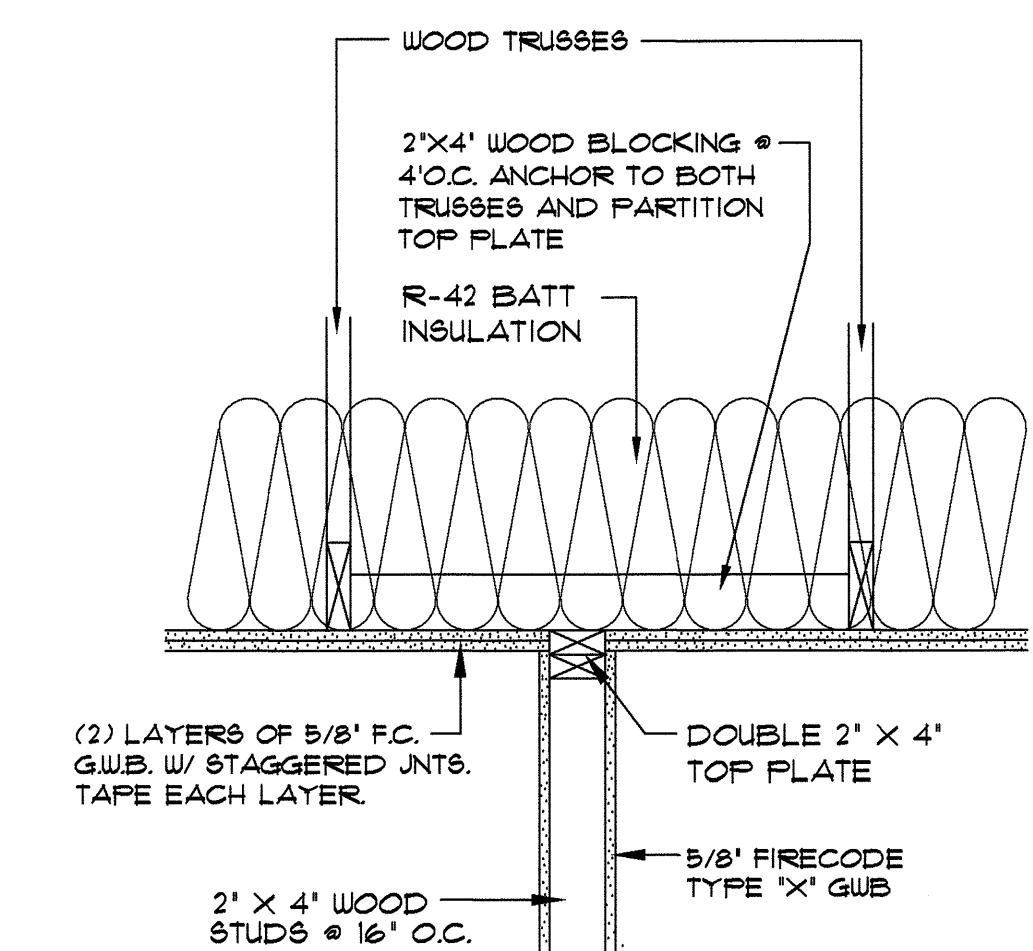
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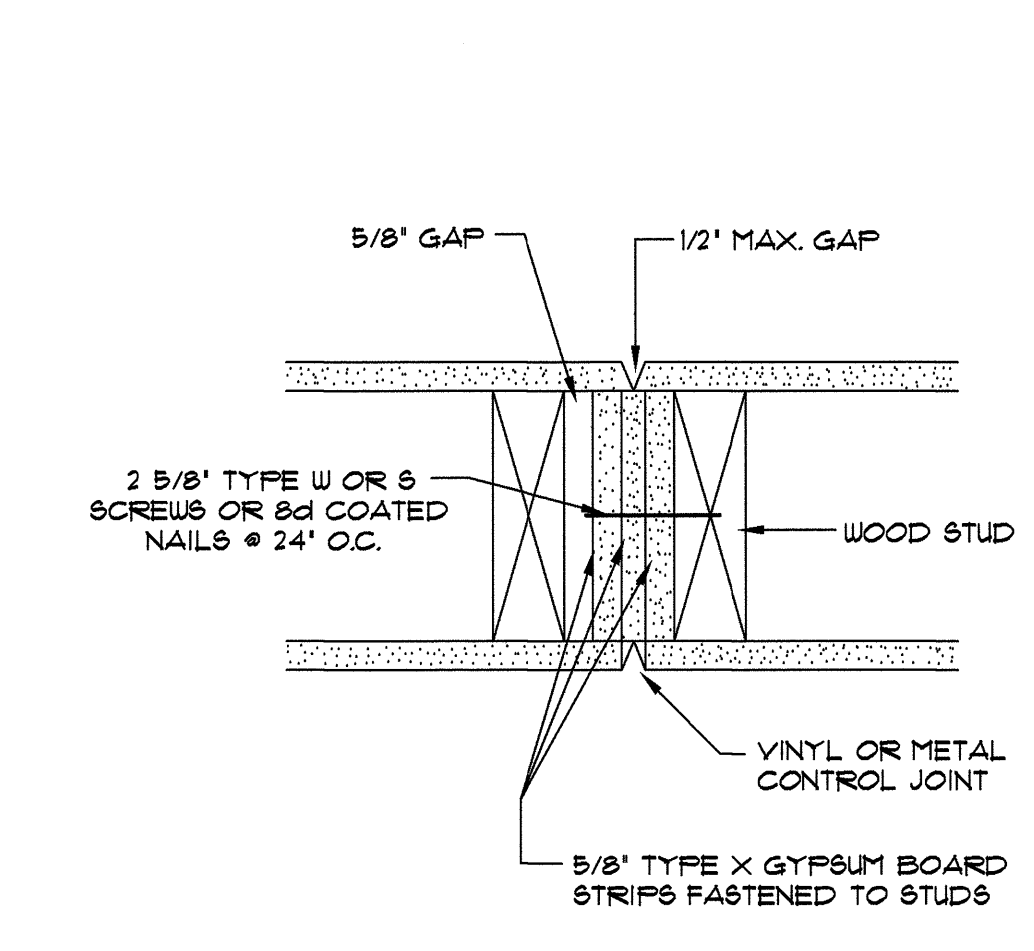
A 31



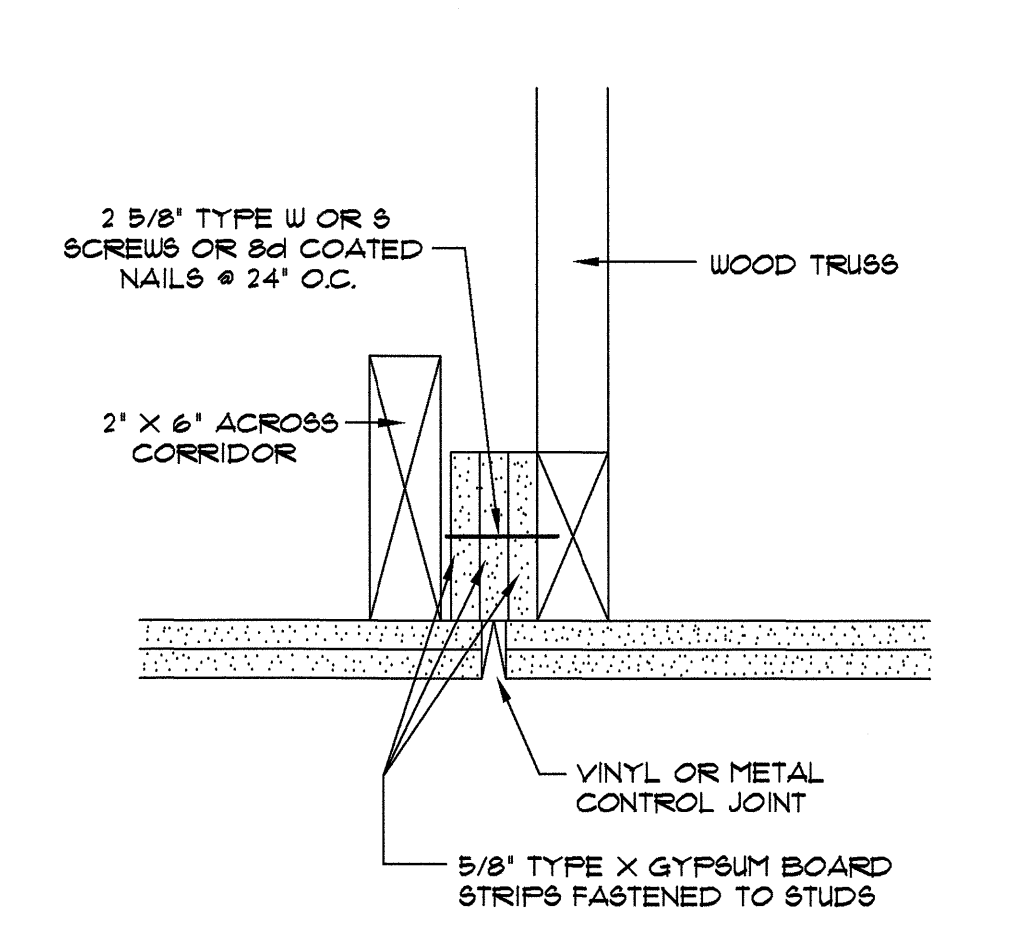
3101 DETAIL TYP. INTERIOR PARTITION
SCALE: N.T.S. PERP. TO ROOF TRUSSES



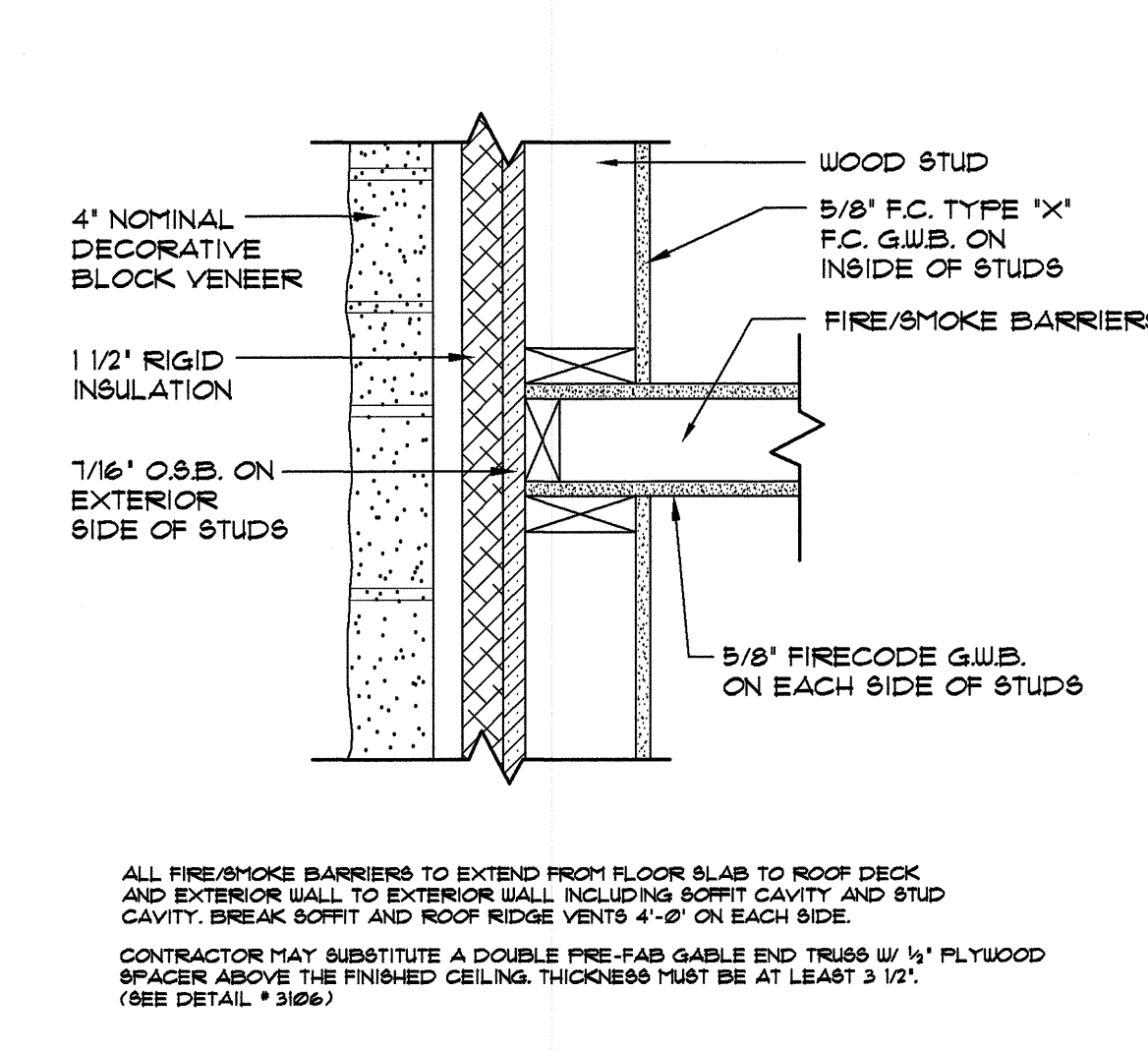
3102 DETAIL TYP. INTERIOR PARTITION
SCALE: N.T.S. PARALLEL TO ROOF TRUSSES



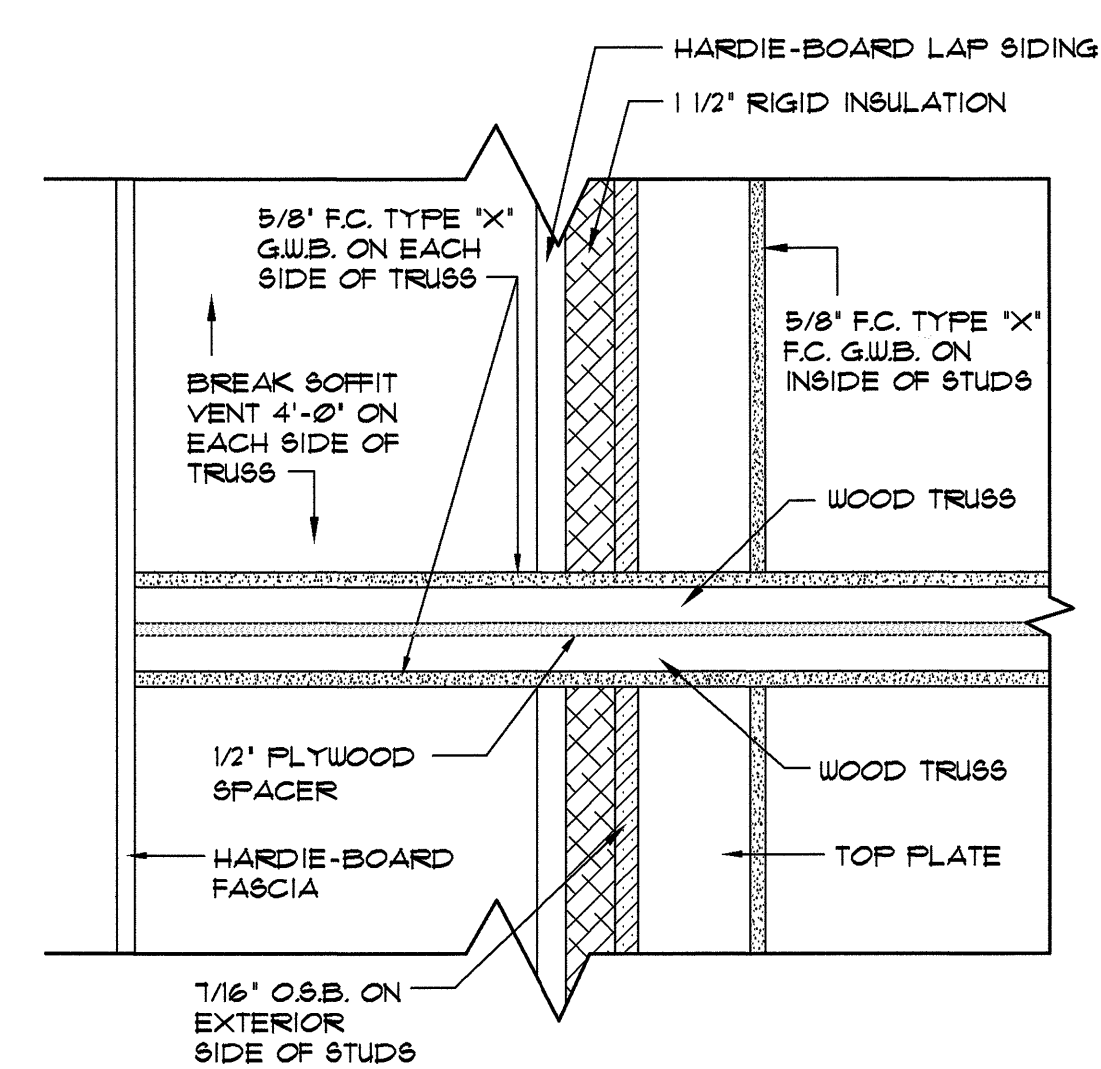
3103 DETAIL TYPICAL WALL
SCALE: N.T.S. CONTROL JOINT (1-HR. WALL)



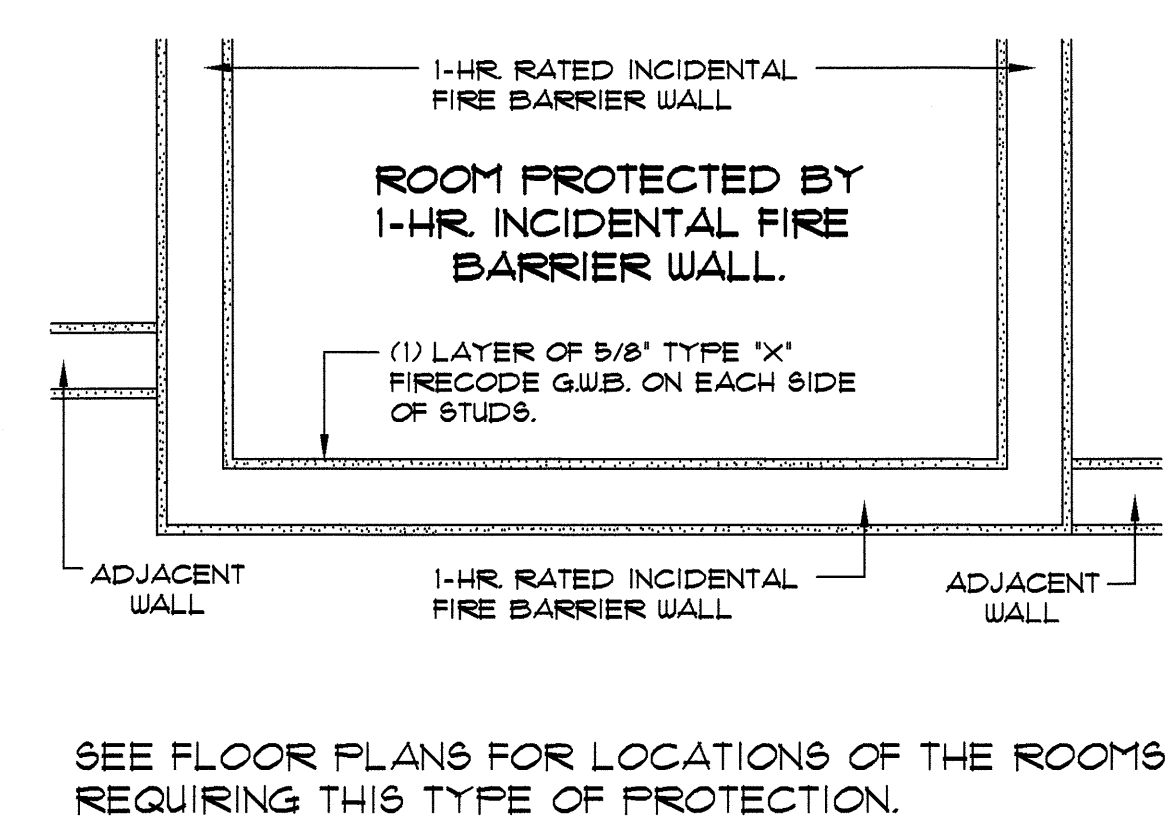
3104 DETAIL TYPICAL CEILING
SCALE: N.T.S. CONTROL JOINT (1-HR. RATED)



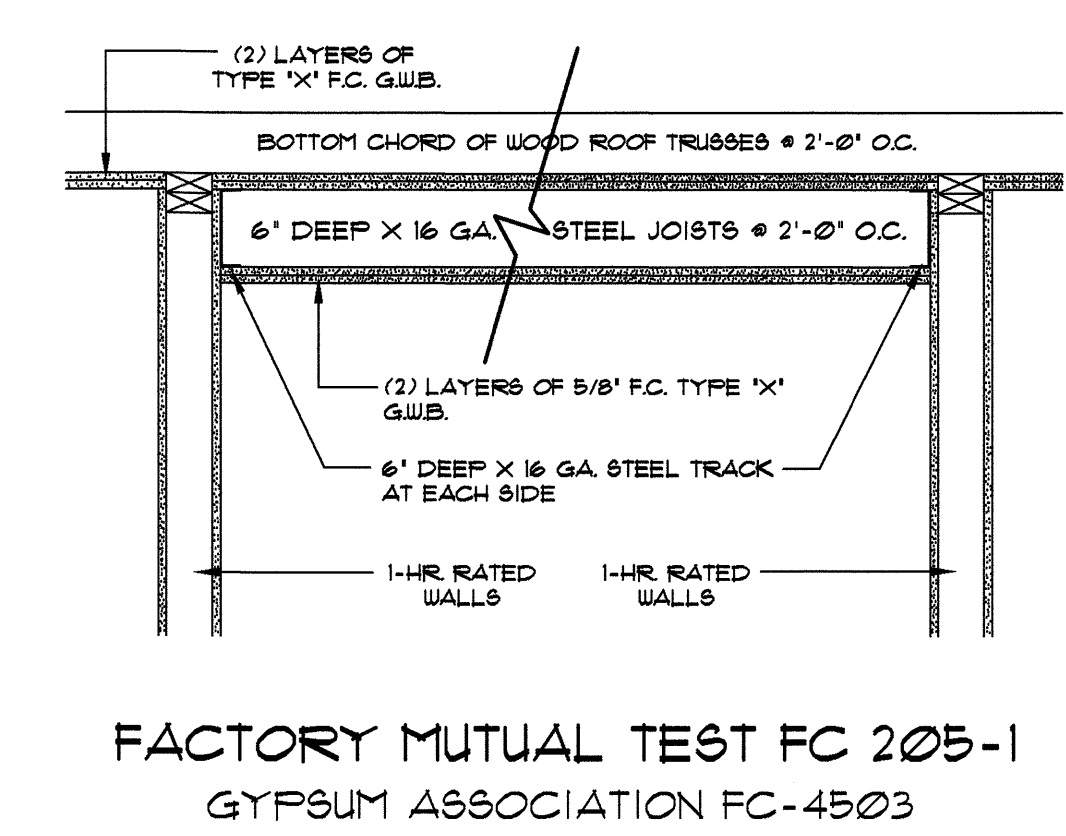
3105 DETAIL FIRE/SMOKE BARRIER
SCALE: 1 1/2" = 1'-0" AT EXTERIOR WALL



3106 DETAIL FIRE/SMOKE BARRIER
SCALE: 1 1/2" = 1'-0" AT SOFFIT

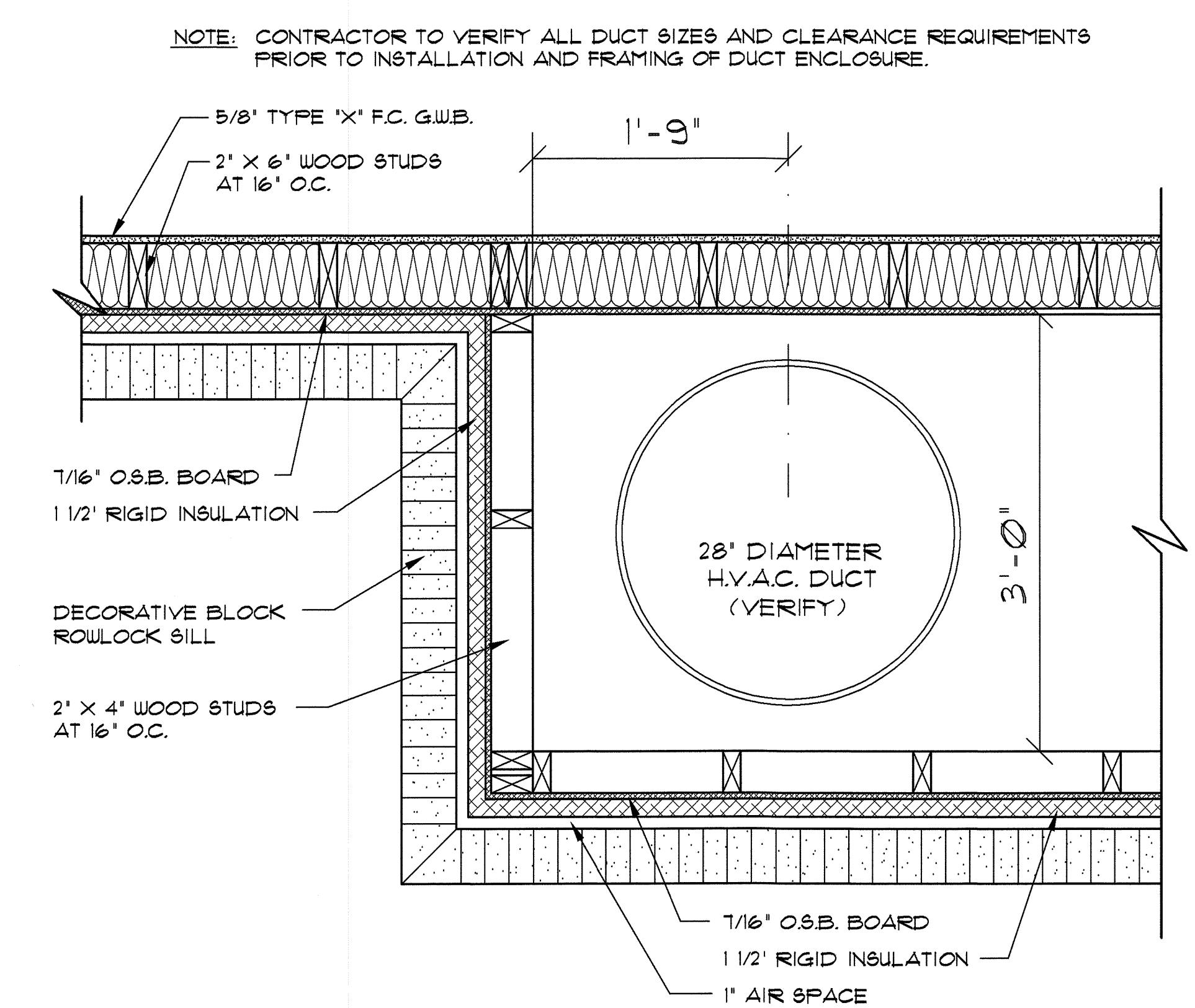


3107 FLOORPLAN TYPICAL CONSTRUCTION OF ROOM
SCALE: 1" = 1'-0" PROTECTED BY 1-HR. RATED INCIDENTAL FIRE BARRIER WALLS

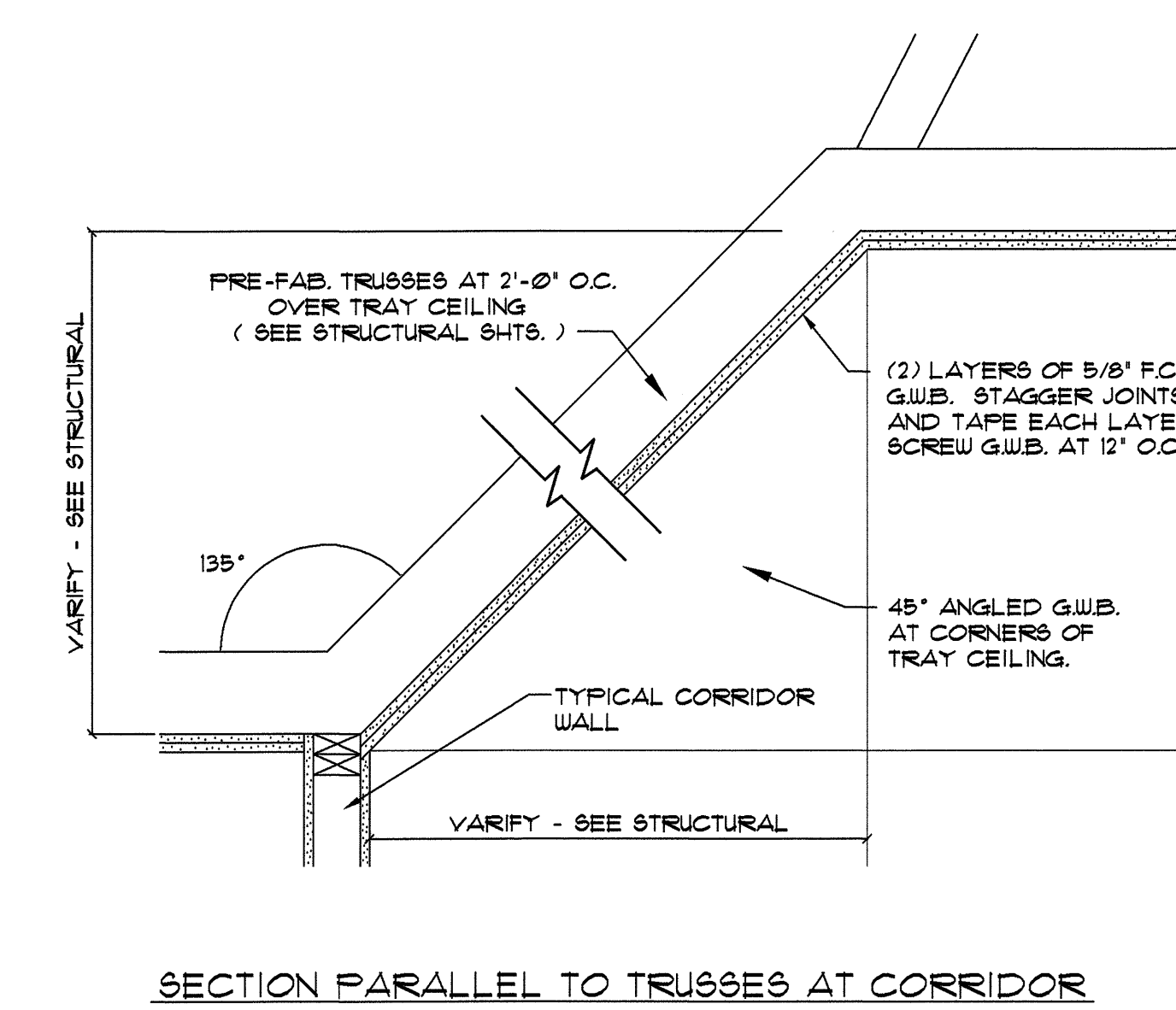


3108 DETAIL ONE HOUR HORIZONTAL SEPARATION
SCALE: N.T.S.

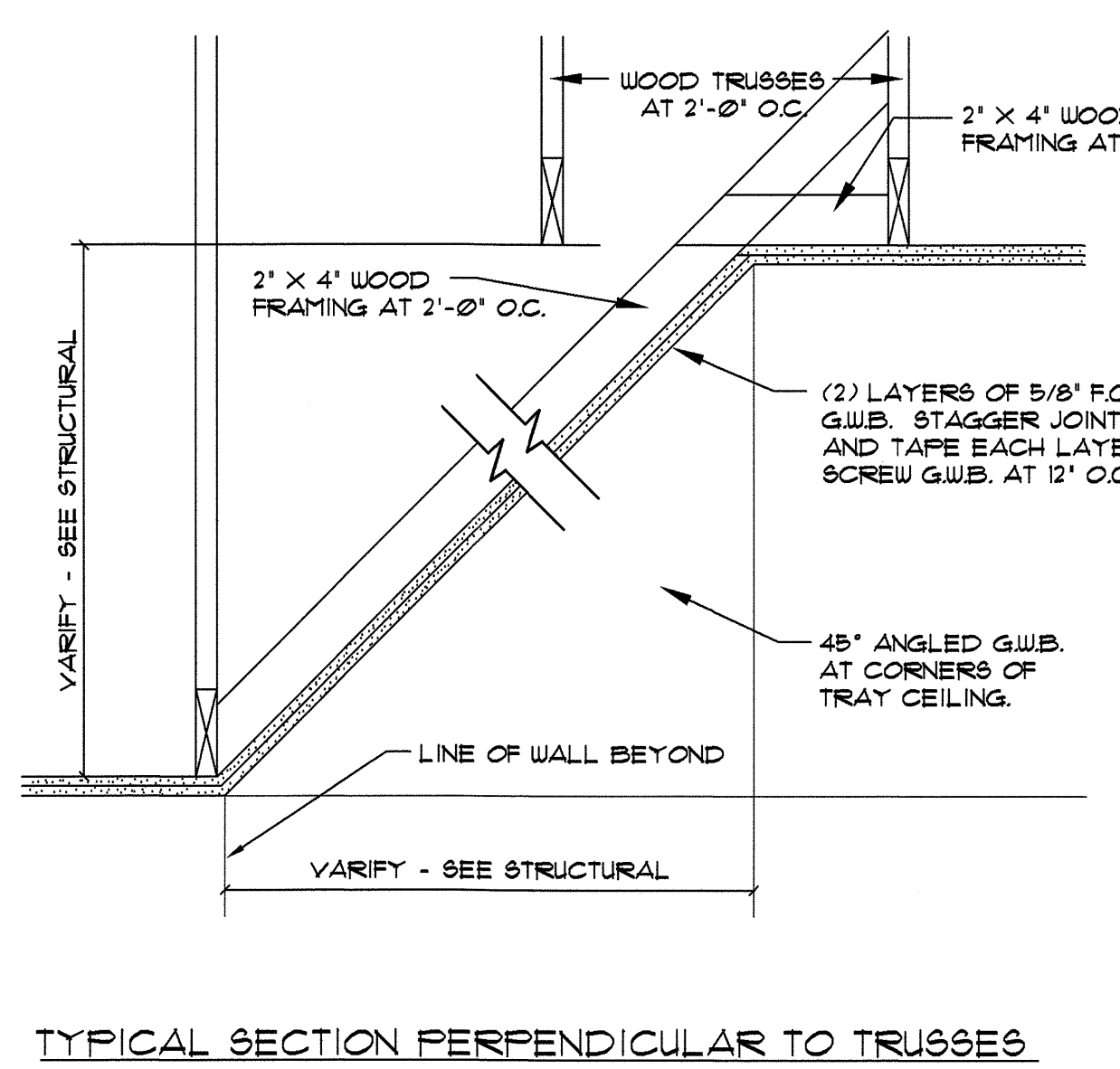
ROOMS LISTED BELOW ARE TO RECEIVE 1-HR. HORIZ. SEPERATION. (REQUIRED BY TABLE 508.2.5 NC9BC)		
STORAGE # 19	CENTRAL SUPPLY # 44	STORAGE # 78
CLN. UTIL. / CLN. LIN. # 20	LAUNDRY # 46	SOIL UTIL. / SOIL LIN. # 79
STORAGE # 22	HSE-KEEPING # 50	CLN. UTIL. / CLN. LIN. # 80
STORAGE # 24	MAINT. OFFICE # 53	STORAGE # 81
SOIL UTIL. / SOIL LIN. # 33	STORAGE # 56	WHL-CHAIR STOR. # 83
STORAGE # 38B	STORAGE # 62	
DRY STORAGE # 38D	SOIL UTIL. / SOIL LIN. # 66A	
STORAGE # 40	CLN. UTIL. / CLN. LIN. # 70	
STORAGE # 41	STORAGE # 74	



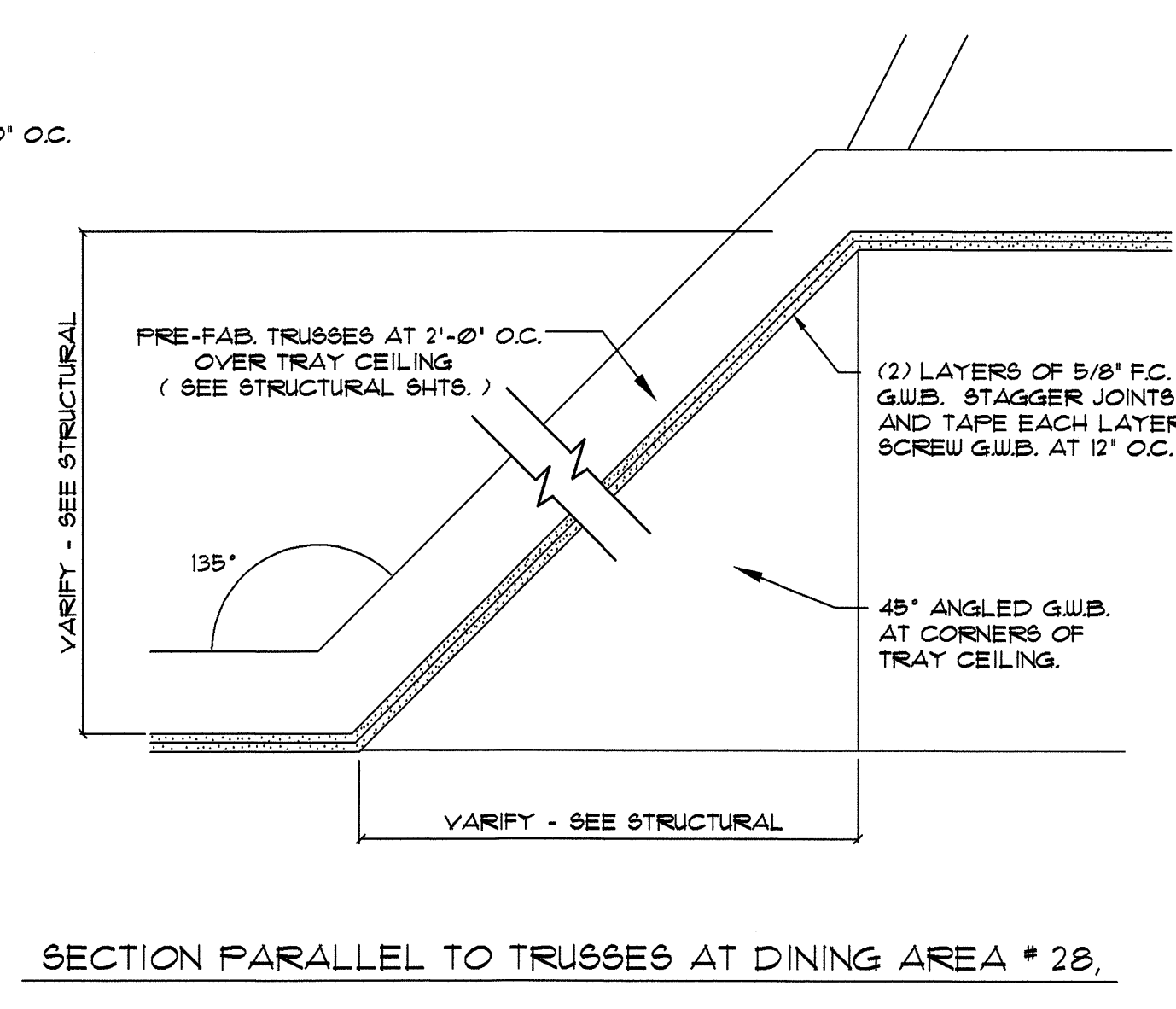
3109 SECTION FRAMING AT DUCT FROM EXTERIOR DOAS UNIT
SCALE: N.T.S.



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



TYPICAL SECTION PERPENDICULAR TO TRUSSES



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

RANGE HOOD FIRE SUPPRESSION SYSTEM SPECIFICATIONS:

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

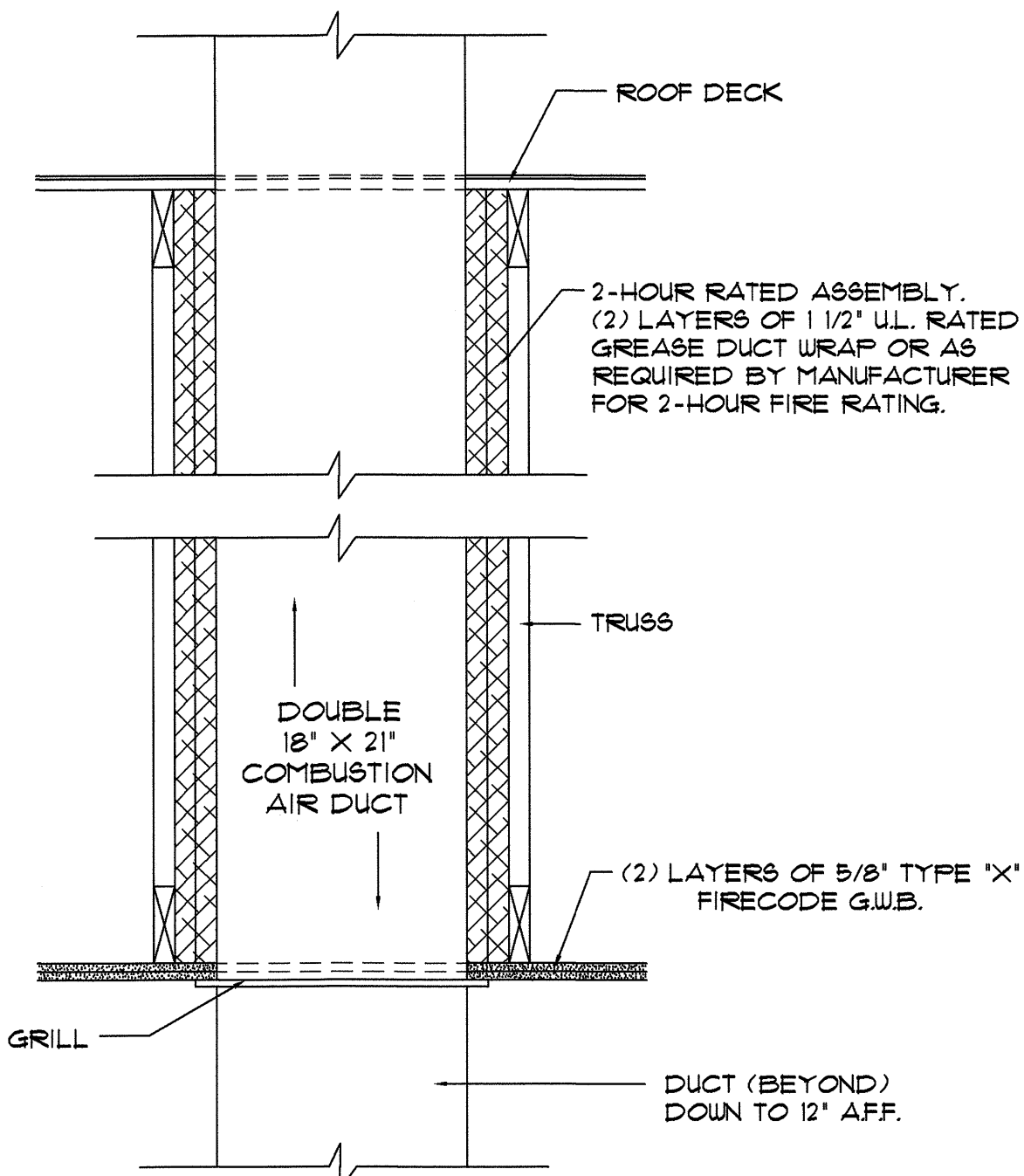
DUCT WRAP PROTECTION PRODUCTS

KITCHEN HOOD EXHAUST DUCT

3M FIRE BARRIER DUCT WRAP 615+
2-HOUR DOUBLE LAYER GREASE DUCT PROTECTION
SYSTEM TESTED PER ASTM E2336 AND U.L. CERTIFIED
(CERTIFICATION NO. 20092910-R3100)

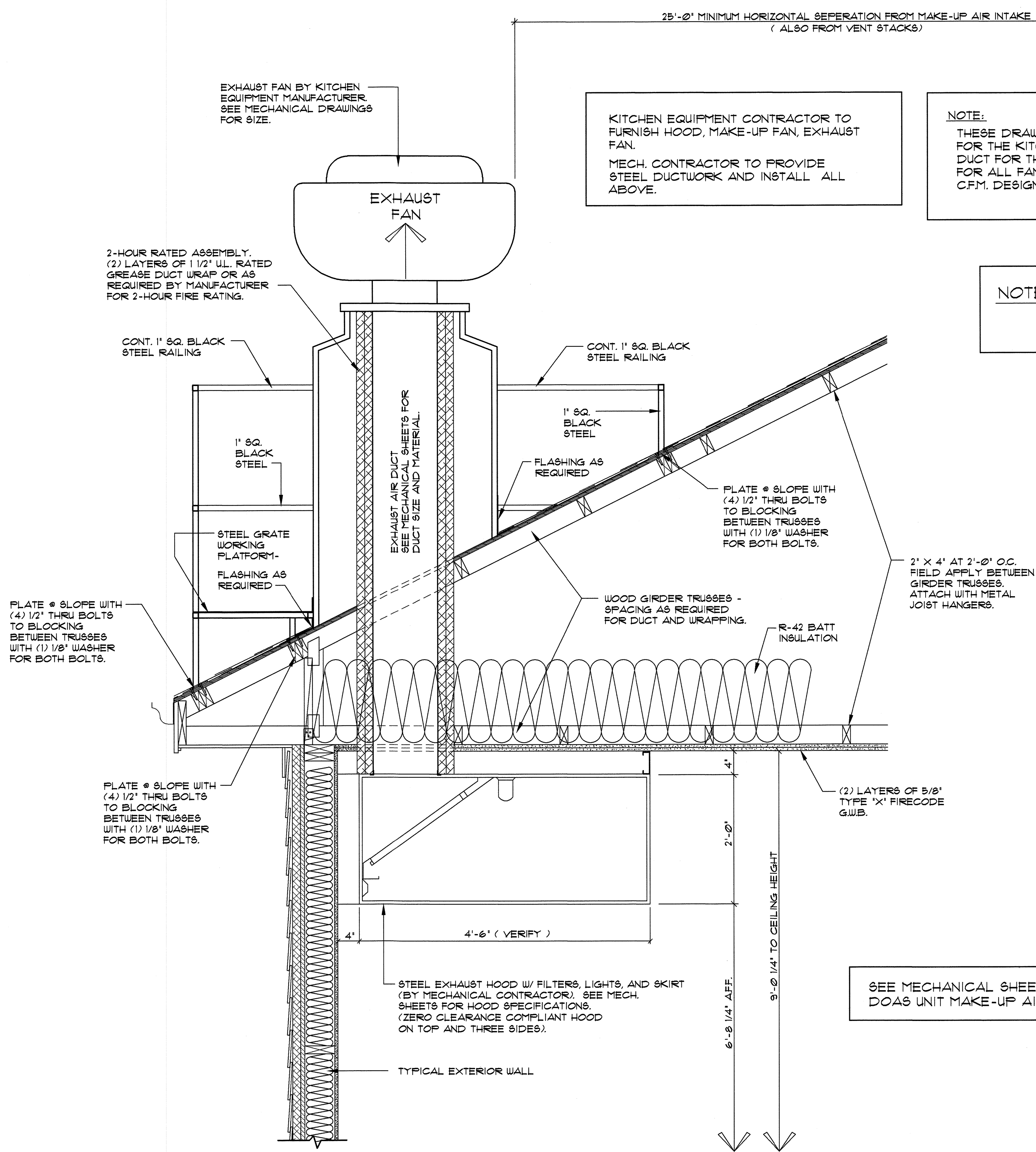
KITCHEN DISHWASHER HOOD EXHAUST
AND LAUNDRY MAKE-UP AIR FOR DRYERS

3M FIRE BARRIER DUCT WRAP 15A 2-HOUR, DOUBLE LAYER
AIR VENTILATION DUCT PROTECTION SYSTEM. U.L. 1918, AC101 CERTIFIED



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

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

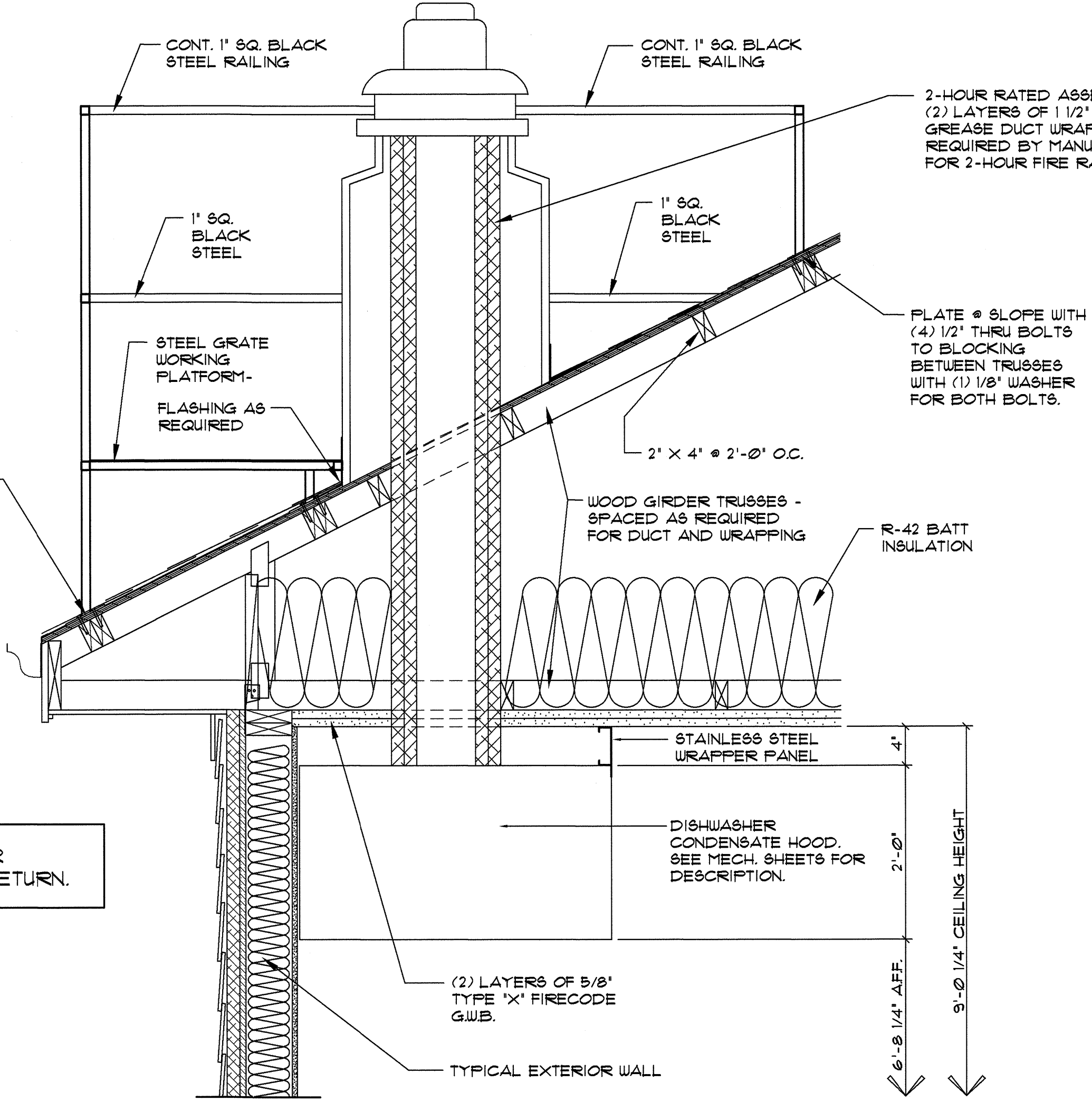


NOTE:
THESE DRAWINGS ARE TO INDICATE THE TYPE AND SIZE OF DUCT PROTECTION FOR THE KITCHEN HOOD EXHAUST (GREASE) DUCT AND THE EXHAUST (CONDENSATE) DUCT FOR THE DISHWASHER HOOD. SEE THE MECHANICAL SHEETS AND SPECIFICATIONS FOR ALL FANS (EXHAUST & MAKE-UP), DUCT DESCRIPTIONS (SIZE AND MATERIAL), DAMPERS,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

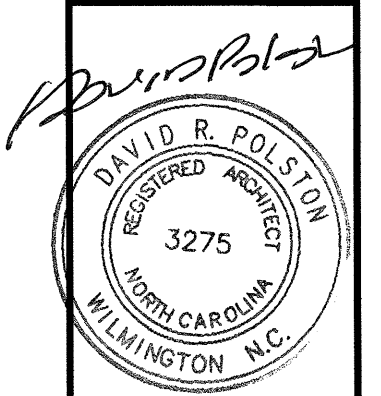
NOTE: SEE STRUCTURAL DRAWINGS FOR DETAILS OF ROOFTOP WORK PLATFORMS AT KITCHEN HOODS.

VERIFY TRUSS ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

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



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



7.1.2025

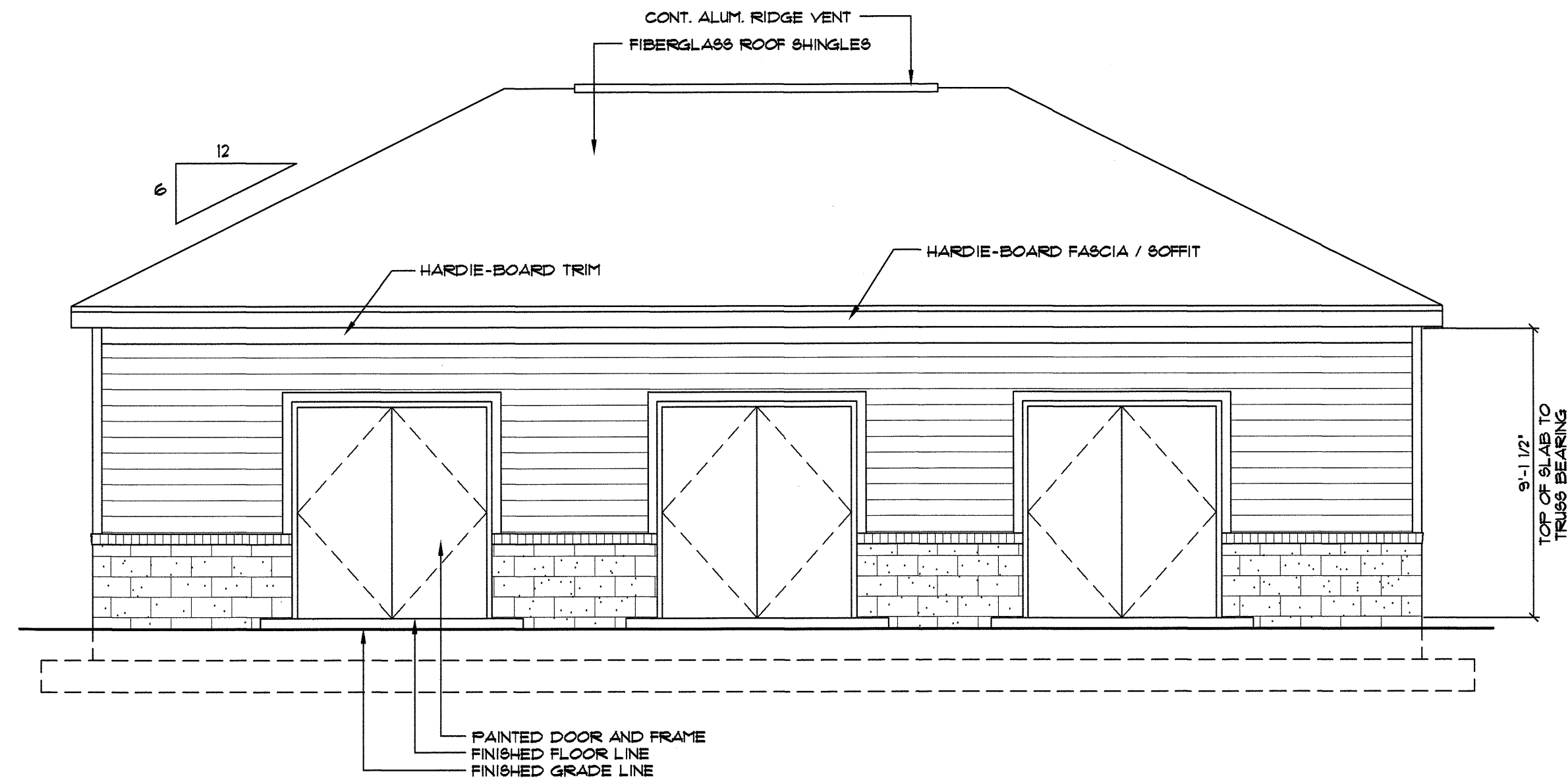
**HEARTLAND LIVING
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Greensboro, North Carolina

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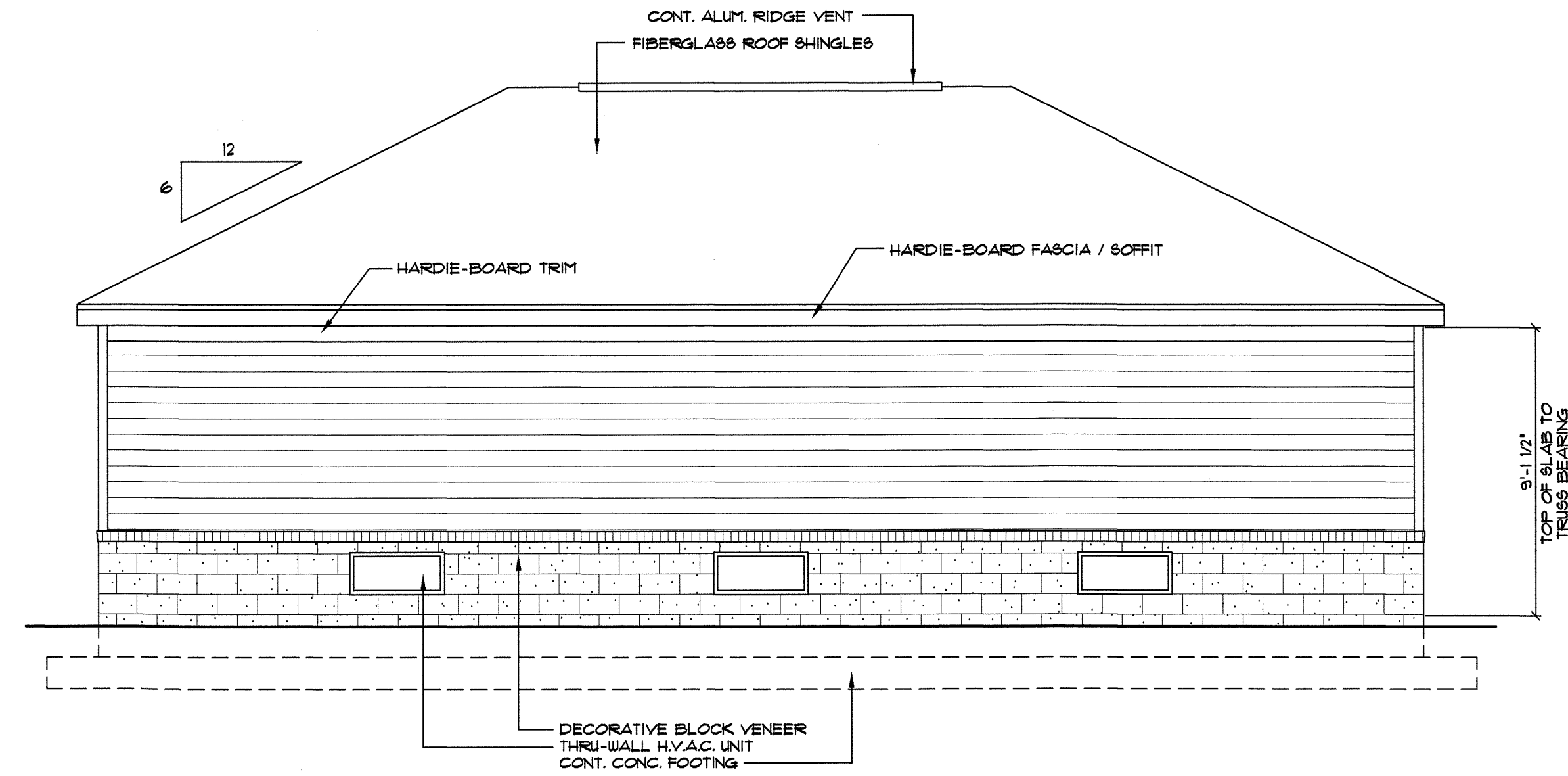
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32**

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



NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

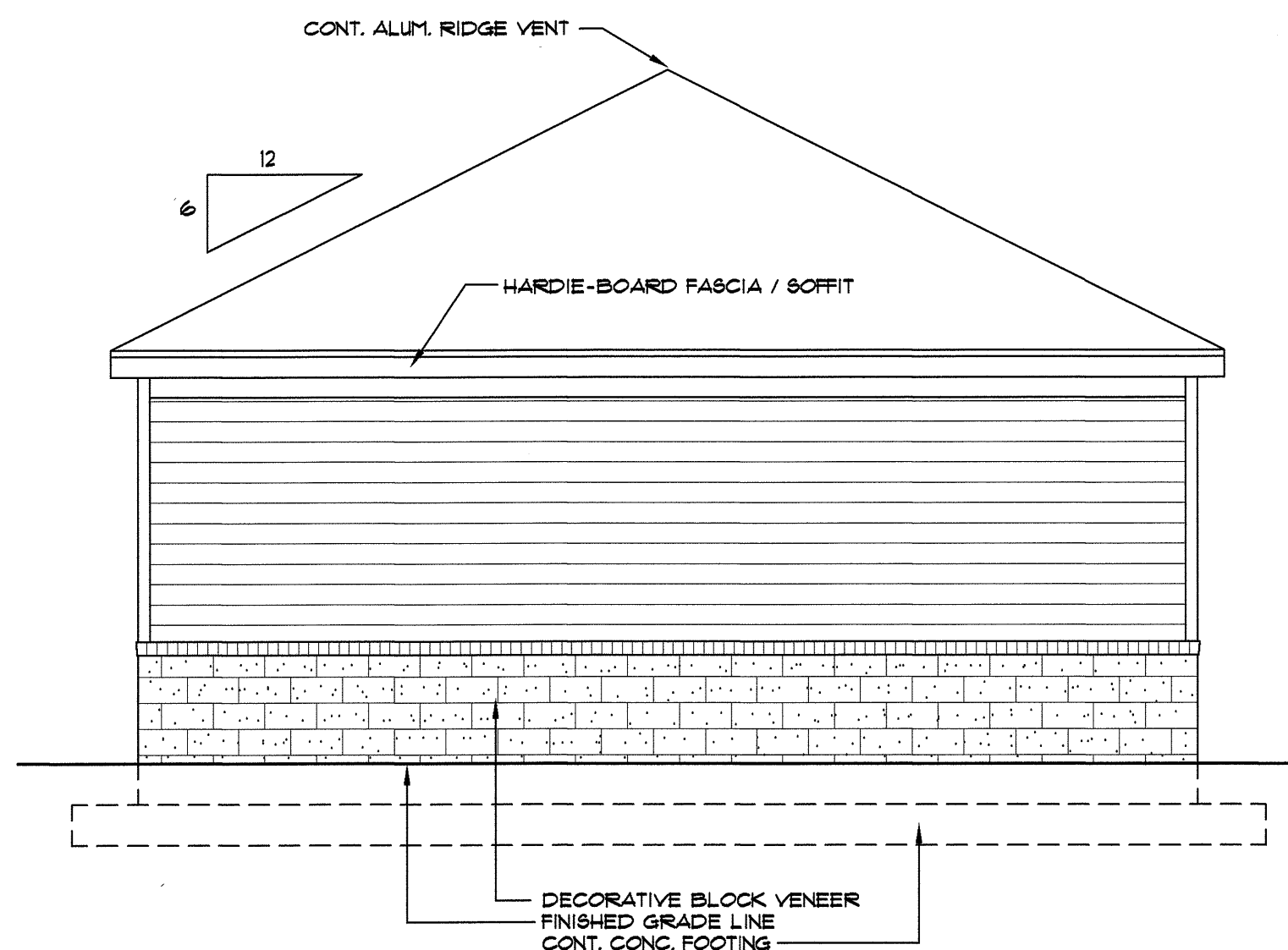
3301 ELEVATION
SCALE: 1/4" = 1'-0"



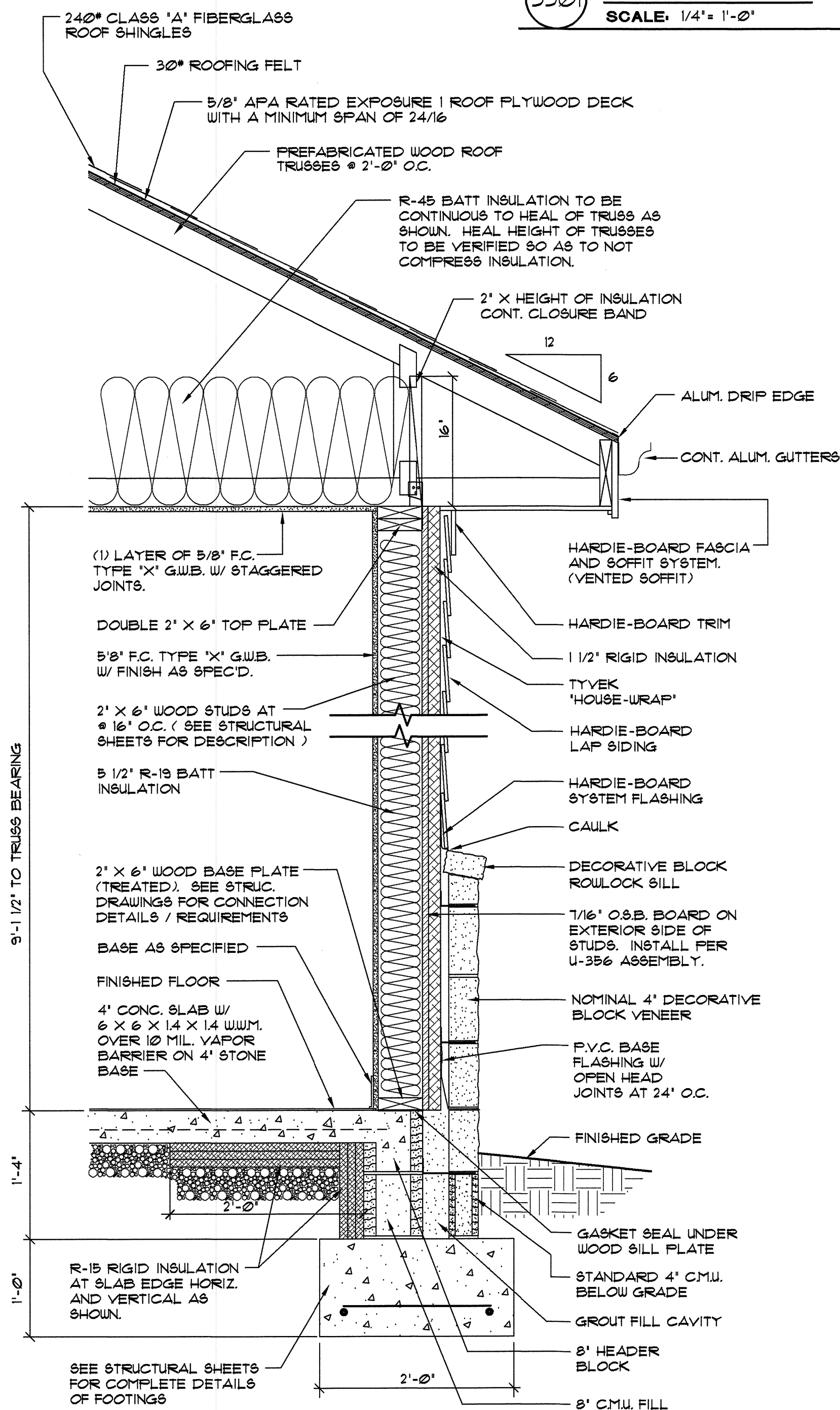
3302 ELEVATION
SCALE: 1/4" = 1'-0"

DOOR AND FRAME SCHEDULE

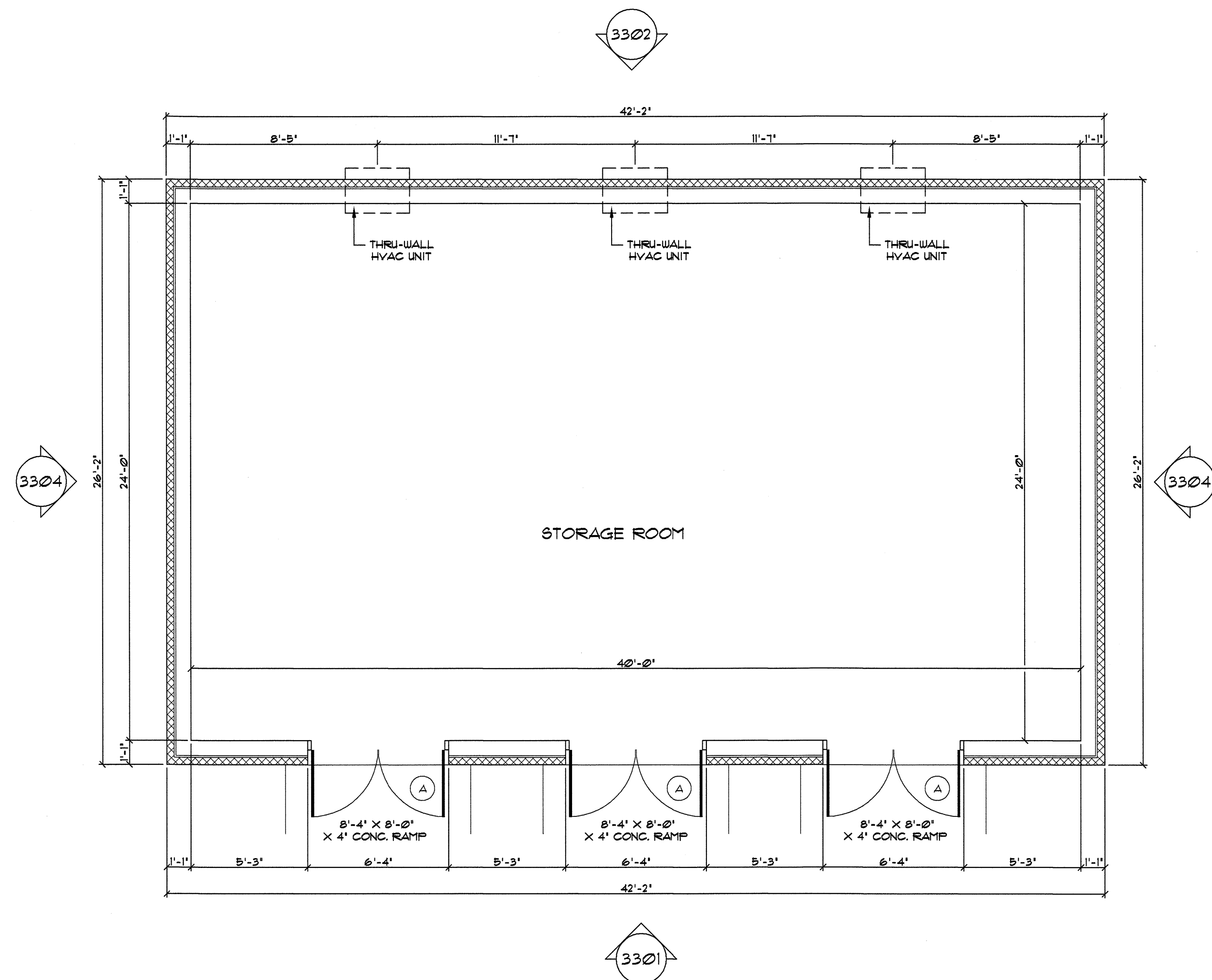
DOOR TYPE 'A': DOOR MATERIAL: HUM
6'-0" X 6'-8"
DOOR TYPE: 4
DOOR LABEL: NONE
FRAME MATERIAL: HUM
FRAME TYPE: 1
HARDWARE SET: STANDARD HINGES
OFFICE FUNCTION
FLUSH BOLTS
THRESHOLD
WEATHERSTRIPPING



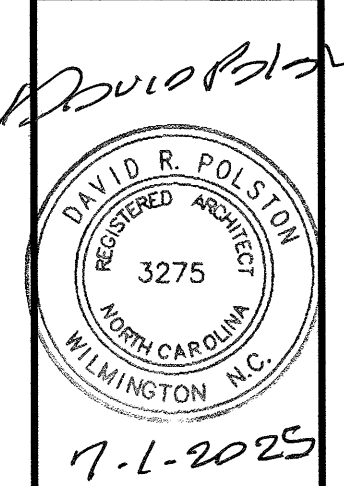
3304 ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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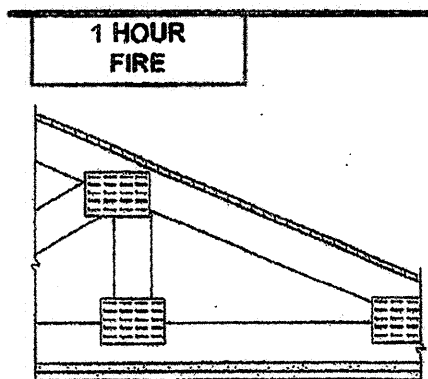
**A
33**

GA FILE NO. RC 2602

GENERIC

WOOD TRUSSES, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1 1/4" 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 1/2" 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 pcf
Fire Test: FM 172, 2-25-72;
ITS, 8-6-98

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

2. Gypsum Board* — Any Classified 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam head.

When Item 7, Steel Framing Members*, is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

When Item 7A, Steel Framing Members*, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers.

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

2A. Gypsum Board* — (As an alternate to Item 2, not shown) — 5/8 in. thick 4 ft wide gypsum panels applied vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

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 8 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

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-11

TEMPLE-INLAND FOREST PRODUCTS CORP — Types X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing-Type X, 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 8 in. OC, with last screws 1 in. and 4 in. from edges of board. Finish Rating is 25 min.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-11

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

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

4. Batte and Blankets* — Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavity between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min R-13 thermal insulation rating).

See Batte and Blankets (BKNV) Category in the Building Materials Directory and Batte and Blankets (B212) Category in the Fire Resistance Directory for names of Classified Companies.

4A. Fiber, Sprayed* — As an alternate to Batte 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. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/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 4.58 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 long dimension of sheet (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 6d cement coated box nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs.

5A. Mineral and Fiber Board* — 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 Board.

TEMPLE-INLAND FOREST PRODUCTS CORP — Types FiberBac or QuietBac

6. Exterior Facings — Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:

A. Vinyl Siding — Molded Plastic* — Contoured rigid vinyl siding having a flame spread value of 20 or less.

See Molded Plastic (STAT) 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. Composite Stucco Sheeps — Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.

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

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

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

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

7. Steel Framing Members — (Optional, Not Shown)* — Furring Channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

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

PAC INTERNATIONAL INC — Type RSIC-1.

7A. Steel Framing Members (Optional, Not Shown)* — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two layers of gypsum board attached to furring channels as described in Item 2.

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

KINETICS NOISE CONTROL INC — Type Isomax.

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

*Bearing the UL Classification Mark

Last Updated on 2009-07-25

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

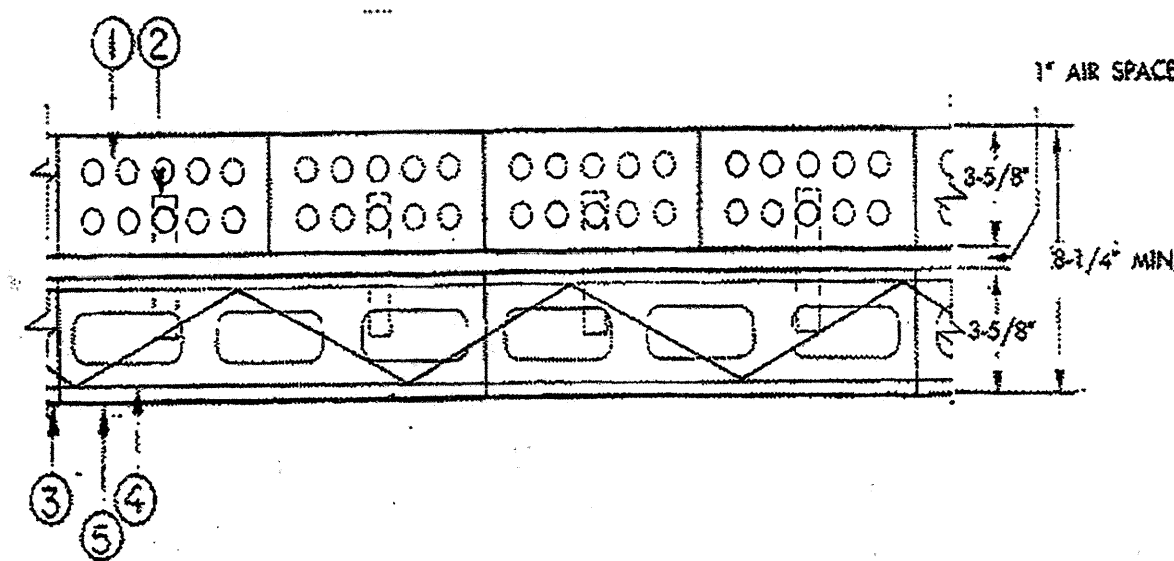
See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U902

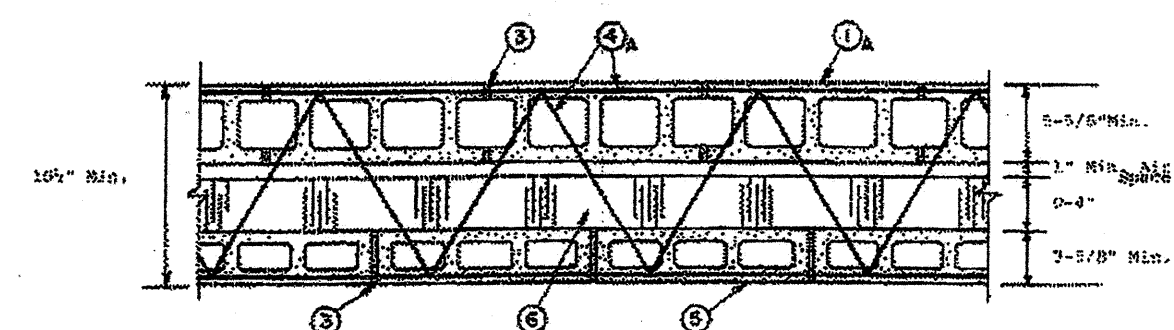
October 30, 2009

Bearing Wall Rating — 4 HR.

Load Restricted for Canadian Applications — See Guide BXUVZ



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

NCFZ POLYURETHANES

*Bearing the UL Classification Mark

Last Updated on 2009-10-30

DETAIL

SCALE: N.T.S.

GYPSUM ASSOCIATION
RC-2602

BXUV.U356

Fire Resistance Ratings - ANSI/UL 263

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- 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.
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Fire Resistance Ratings - ANSI/UL 263

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

Design No. U356

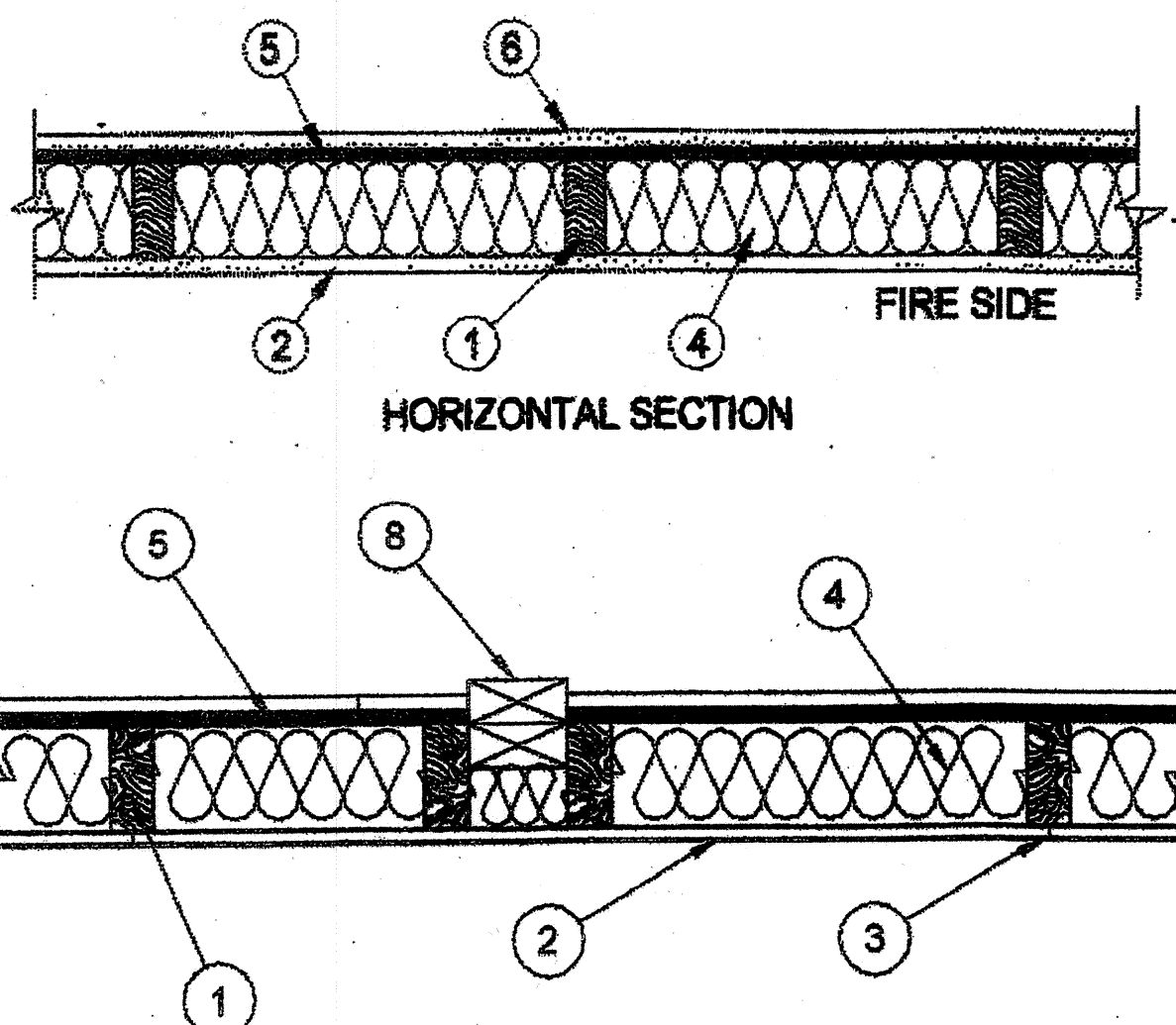
July 25, 2009

(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 BXUVZ



DETAIL

SCALE: N.T.S.

U.L. ASSEMBLY U-356

2A

DETAIL

SCALE: N.T.S.

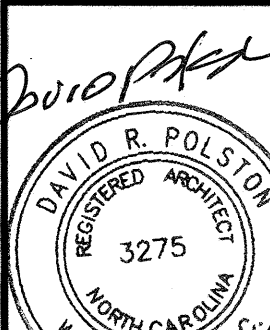
U.L. ASSEMBLY U-902
(4-HR FIREWALL ABOVE ROOF DECK)

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

125 BED
FACILITY

FS
1

HEARTLAND LIVING
AND REHABILITATION
Greensboro, North Carolina



7-1-2009

8XUV.U305
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- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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Fire Resistance Ratings - ANSI/UL 263

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

Design No. U305

December 23, 2008

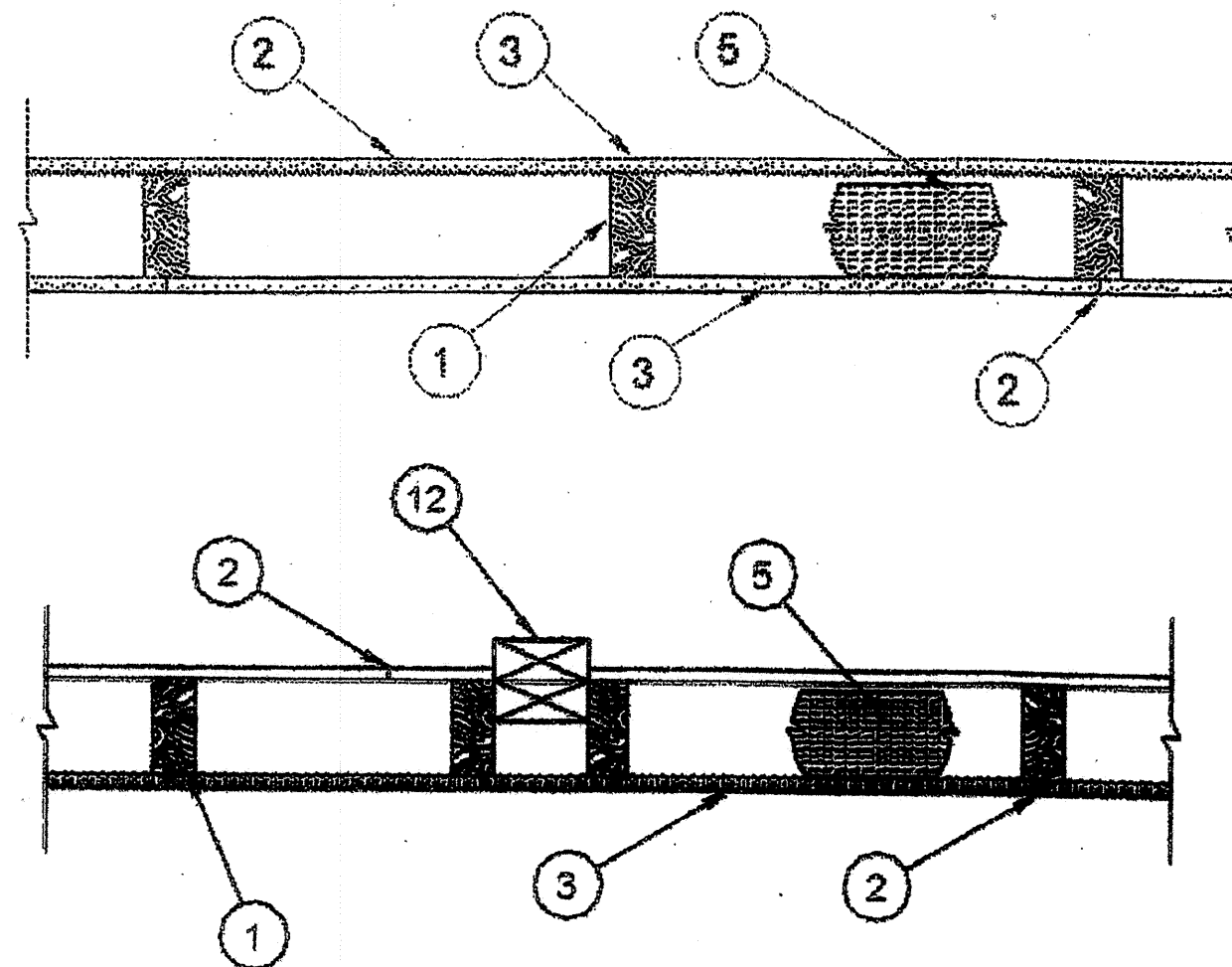
Bearing Wall Rating - 1 HR.

Bearing Wall Rating - 3/4 HR (See Item 6B)

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

STC Rating - 56 (See Item 9)

Load Restricted for Canadian Applications - See Guide 8XUV



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

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

3. Gypsum Board* - 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Item 6, 6A or 6B, Steel Framing Members*.

When Item 6, Steel Framing Members*, is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

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

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

When Item 6B (1 hr rating), Steel Framing Members*, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layer staggered with joints in base layer a minimum of 16 in. Joints oriented vertically and base layer staggered on opposite sides of the assembly. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs.

AMERICAN GYPSUM CO - Types AGX-1 (finish rating 23 min.), Type AGX-11 (finish rating 26 min) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC

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

CERTAINTED GYPSUM INC - Type 1, Type SF3 (finish rating 20 min) or FRPC, ProRock Type C or ProRock Type X (finish rating 26 min), Type ESDG (finish rating 23 min)

CERTAINTED GYPSUM CANADA INC - ProRock Type C, ProRock Type X or ProRock Type Abuse-Resistant (finish rating 26 min)

CANADIAN GYPSUM COMPANY - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FCV (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min).

GEORGIA-PACIFIC GYPSUM L L C - Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPF51 (finish rating 20 min), Type GPF52 (finish rating 20 min), Type GPF56 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), DA, DAPC.

LA FARGE NORTH AMERICA INC - Type LGFC2 (finish rating 20 min), Type LGFC3 (finish rating 20 min), Type LGFC8 (finish rating 26 min), Type LGFC-C (finish rating 20 min), Type LGFCSA (finish rating 34 min), Type LGFCA, Type LGFC-C/A.

NATIONAL GYPSUM CO - Type PSK (finish rating 20 min), Type PSK-C (finish rating 20 min), Type PSW (finish rating 20 min), Type PSW-2 (finish rating 24 min), Type PSW-3 (finish rating 20 min), Type PSW-5 (finish rating 23 min), Type PSW-6 (finish rating 20 min), Type PSK-C (finish rating 20 min), Type PSW-C (finish rating 20 min), Type PSW-C, Type PSW-6 (finish rating 20 min).

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM - Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 or Type PG-C.

PANEL REY S A - Type PRX.

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

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

UNITED STATES GYPSUM CO - Type AR (finish rating 24 min), Type SCX (finish rating 24 min), Type C (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min), Type FCV (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type PRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min).

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

3A. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in.

long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally.

AMERICAN GYPSUM CO - Types AGX-1 (finish rating 25 min.), Type AG-C (finish rating 25 min.).

CANADIAN GYPSUM COMPANY - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FCV (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min).

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

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

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

CANADIAN GYPSUM COMPANY - Types AR, IP-AR.

UNITED STATES GYPSUM CO - Types AR, IP-AR.

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

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

CANADIAN GYPSUM COMPANY - Type SHX.

UNITED STATES GYPSUM CO - Type SHX.

USG MEXICO S A DE C V - Type SHX.

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

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

3E. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, or 3D - not shown) For Direct Application to Studs Only - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs.

Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead battens strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead battens strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead battens strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead battens strips to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grade "C".

RAY-BAR ENGINEERING CORP - Type RB-LBG (finish rating 24 min).

3F. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) - 3/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum boards are to be installed horizontally. Joints and nail heads treated as described in Item 2.

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

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

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

3H. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, 3D, 3E 3F and 3G) - 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.

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

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

5. Batts and Blankets* - (Optional - Required when Item 6A is used) Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be placed to completely fill the stud cavities and shall be secured to the studs 24 in. OC with staples, nails or screws.

CERTAINTED CORP

GUARDIAN FIBERGLASS INC

JOHNS MANVILLE INTERNATIONAL INC

KNAUF INSULATION GMBH

OWENS CORNING HT INC, DIV OF OWENS

CORNING - Corning Fiberglas Corp.

ROCK WOOL MANUFACTURING CO - Delta Board.

ROXUL ASIA SDN BHD - Acoustical Fire Batts

ROXUL INC - Acoustical Fire Batts

THERMAFIBER INC - Type SAFB.

5A. Fiber, Sprayed* - (Not shown - Not for use with Item 6A) As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³. Alternate application method: The fiber is applied with U.S. Greenfiber L/C Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft³.

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

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

NU-WOOL CO INC - Cellulose Insulation

5C. Batts and Blankets* - Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 4 in. face of the studs with staples placed 24 in. OC.

THERMAFIBER INC - Type SAFB

5D. Glass Fiber Insulation - (As an alternate to Item 5C) - 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall, attached to the 4 in. face of the studs with staples placed 24 in. OC. See Batts and Blankets (BKNV or B212) Categories for names of Classified companies.

5E. Batts and Blankets* - (Required for use with Wall and Partition Facings and Accessories, Item 3D) - Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.50 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers.

6. Steel Framing Members (Optional, Not Shown)* - Furring channels and Steel Framing Members as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* - Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

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

6A. Steel Framing Members (Optional, Not Shown)* - Furring channels and Steel Framing Members on one side of studs as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3.

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

KINETICS NOISE CONTROL INC - Type Isomax.

6B. Steel Framing Members (Optional, Not Shown)* - Furring channels and Steel Framing Members as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. One layer of gypsum board attached to furring channels as described in Item 3 for 3/4-hr rating. Two layers of gypsum board attached to furring channels as described in Item 3 for 1-hr rating.

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

PLITEQ INC - Type Genie Clip

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

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

KEENE BUILDING PRODUCTS CO INC - Type RC Assurance.

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

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

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

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

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

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

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

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

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

QUIET SOLUTION INC - Type QuietRock QR-510.

11. Cementitious Backer Units* - (Optional Item Not Shown - For Use On Face Of 1 Hr Systems With All Standard Items Required) - 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide - Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

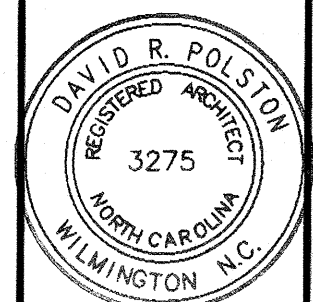
NATIONAL GYPSUM CO - Type PermaBase

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

*Bearing the UL Classification Mark

Last Updated on 2008-12-23

7-1-2025



HEARTLAND LIVING
AND REHABILITATION
Greensboro, North Carolina

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

125 BED
FACILITY

FS
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System No. W-L-1001

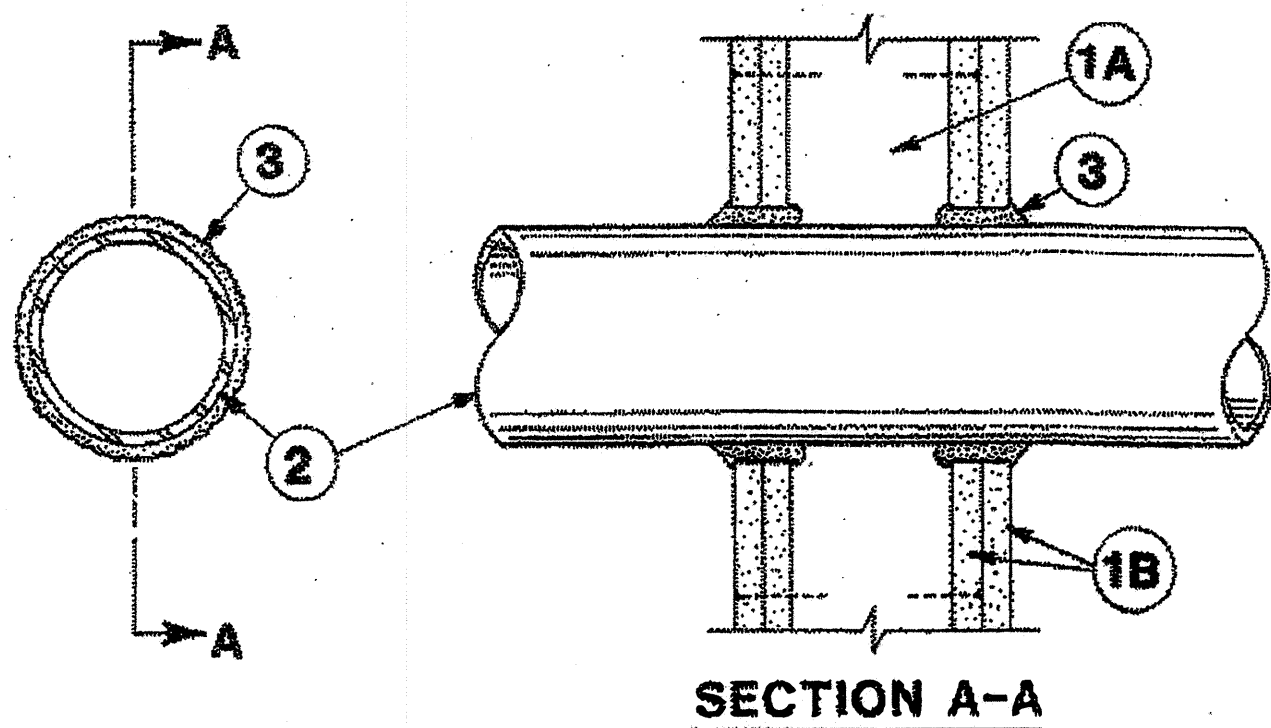
June 15, 2005

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 V400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

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

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

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

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

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

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

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

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

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

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

OMEGA FLEX INC

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

GASTITE, DIV OF TITELFLX

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 LC

3. **Fill, Void or Cavity Materials*** — **Caulk or Sealant** — Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is 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)	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

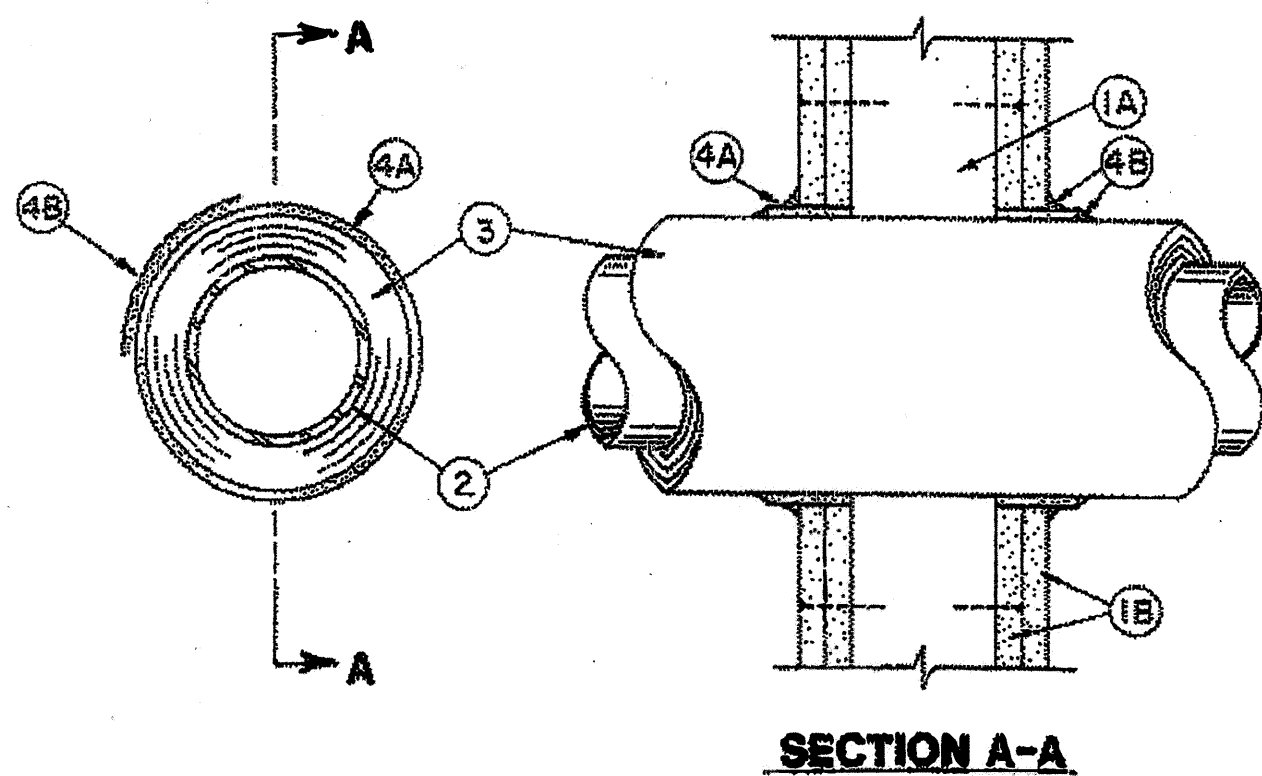
May 19, 2005

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 Design in the UL Fire Resistance Directory. Max diam of opening is 14-1/2 (368mm) in for wood stud walls and 18 in. (457 mm) for steel stud walls.

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

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

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

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

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

3. **Pipe Covering*** — Nom 1 or 2 in. (25 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/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 T 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 Materials*** — **Wrap Strip** — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. One layer of wrap strip is required when nom 1 in. (25 mm) thick pipe covering is used. Two layers of wrap strip are required when nom 2 in. (51 mm) thick pipe covering is used.

3M COMPANY — FS-195+

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

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

*Bearing the UL Classification Mark

System No. W-L-5009

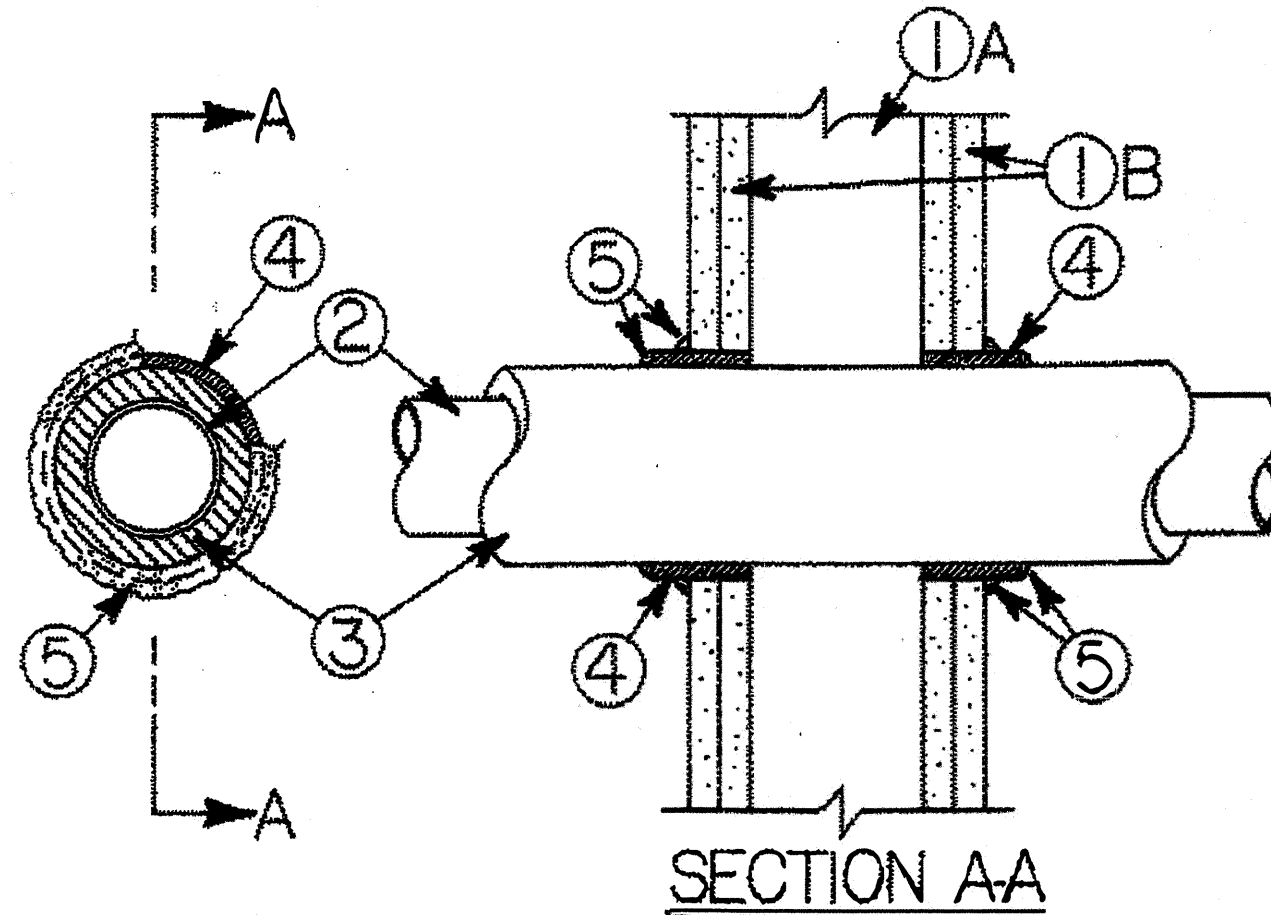
May 19, 2005

F Rating — 2 Hr

T Rating — 1-1/2 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** (QNF22) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component pipe insulation material meeting the above specifications and having a UL-94 Flammability Classification of 94-BV1 may be used.

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

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

3M COMPANY — FS-195+

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

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

*Bearing the UL Recognized Component Marking.

*Bearing the UL Classification Mark

System No. W-L-2005

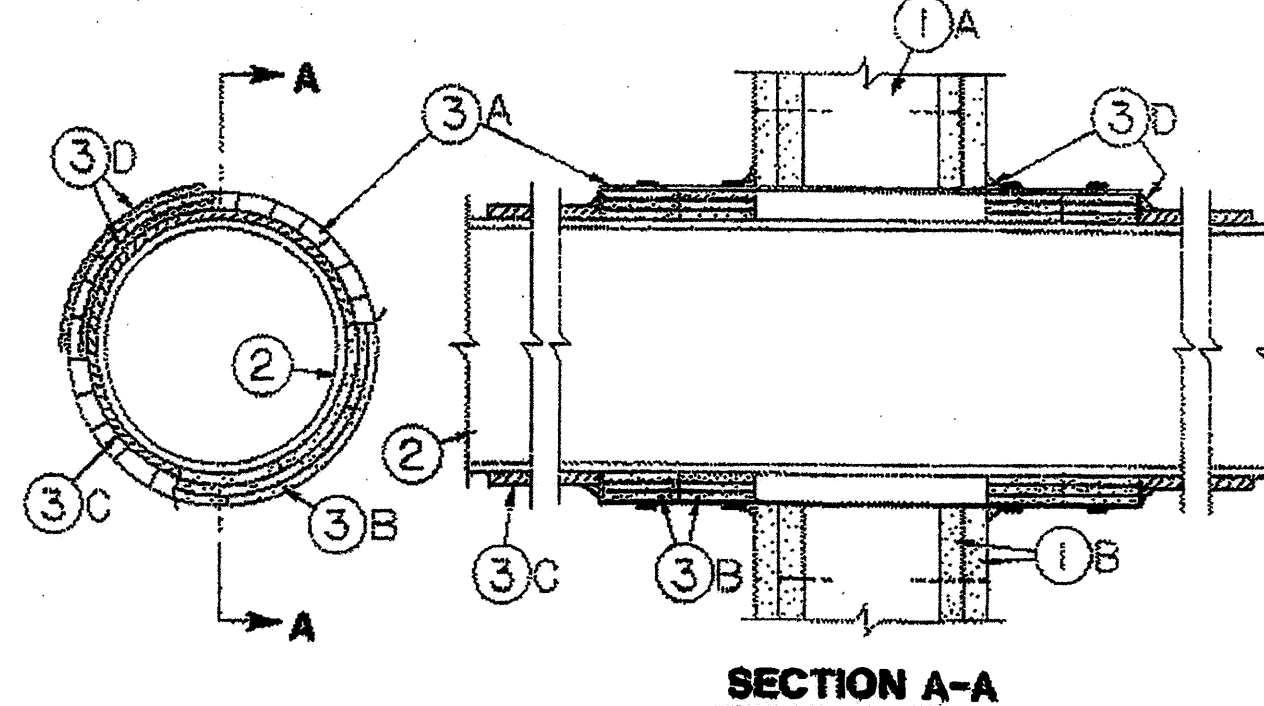
April 11, 2006

F Ratings — 1 and 2 Hr

T Ratings — 0, 3/4, 1, 1-1/2 and 2 Hr

L Rating At Ambient — 7 CFM/sq ft

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



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

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

3M COMPANY — Type FS-195+

C. **Pipe Covering*** — Nom 1 in. (25 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/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 Materials*** — **Caulk or Sealant** — Generous bead of caulk to be applied to outer perimeter of steel sleeve at interface with wall surfaces and to perimeter of pipe covering material wrap at its interface with the wrap strip layers.

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

*Bearing the UL Classification Mark

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

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

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

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

System No. W-L-2003

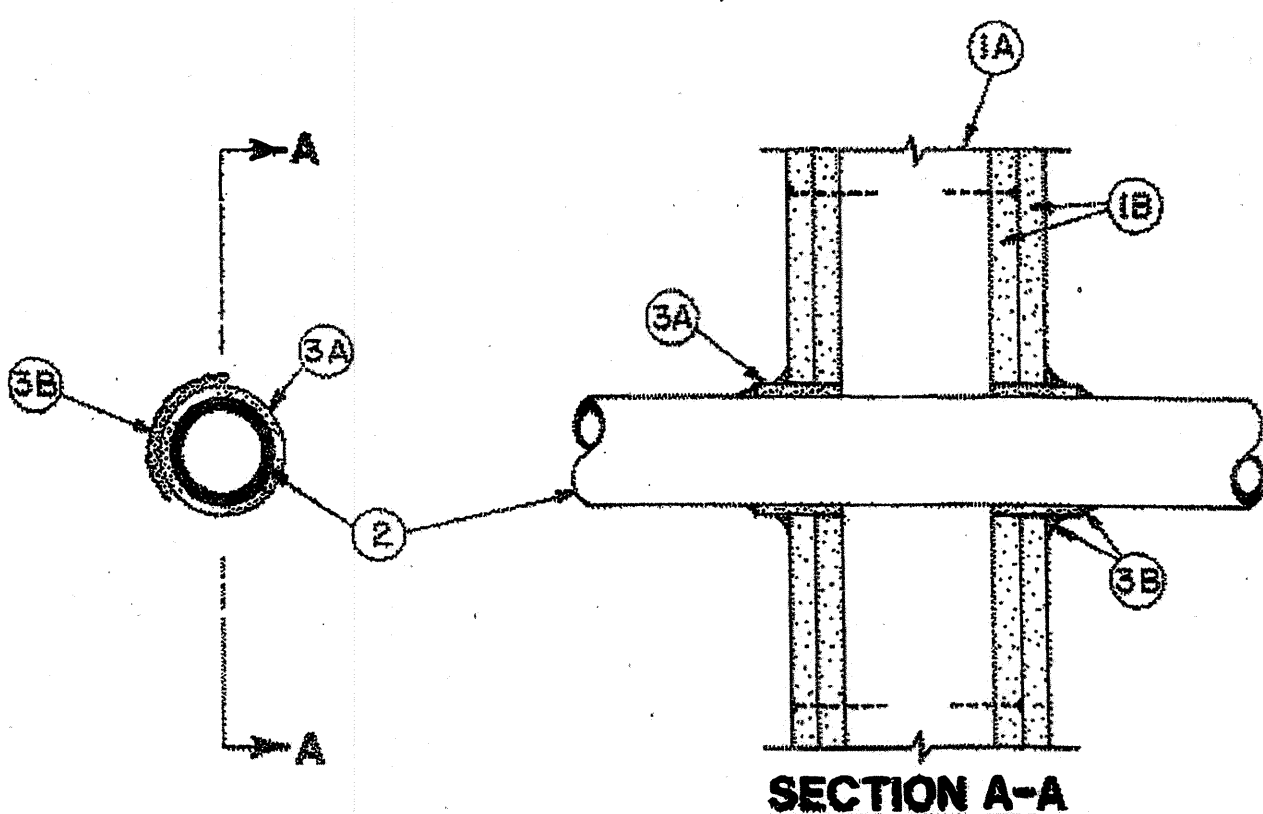
May 23, 2005

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 U200, U400 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (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 U200, 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 system.

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

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

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

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

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

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

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

3M COMPANY — PS-195+

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

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

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

*Bearing the UL Classification Mark

System No. W-L-3001

September 07, 2004

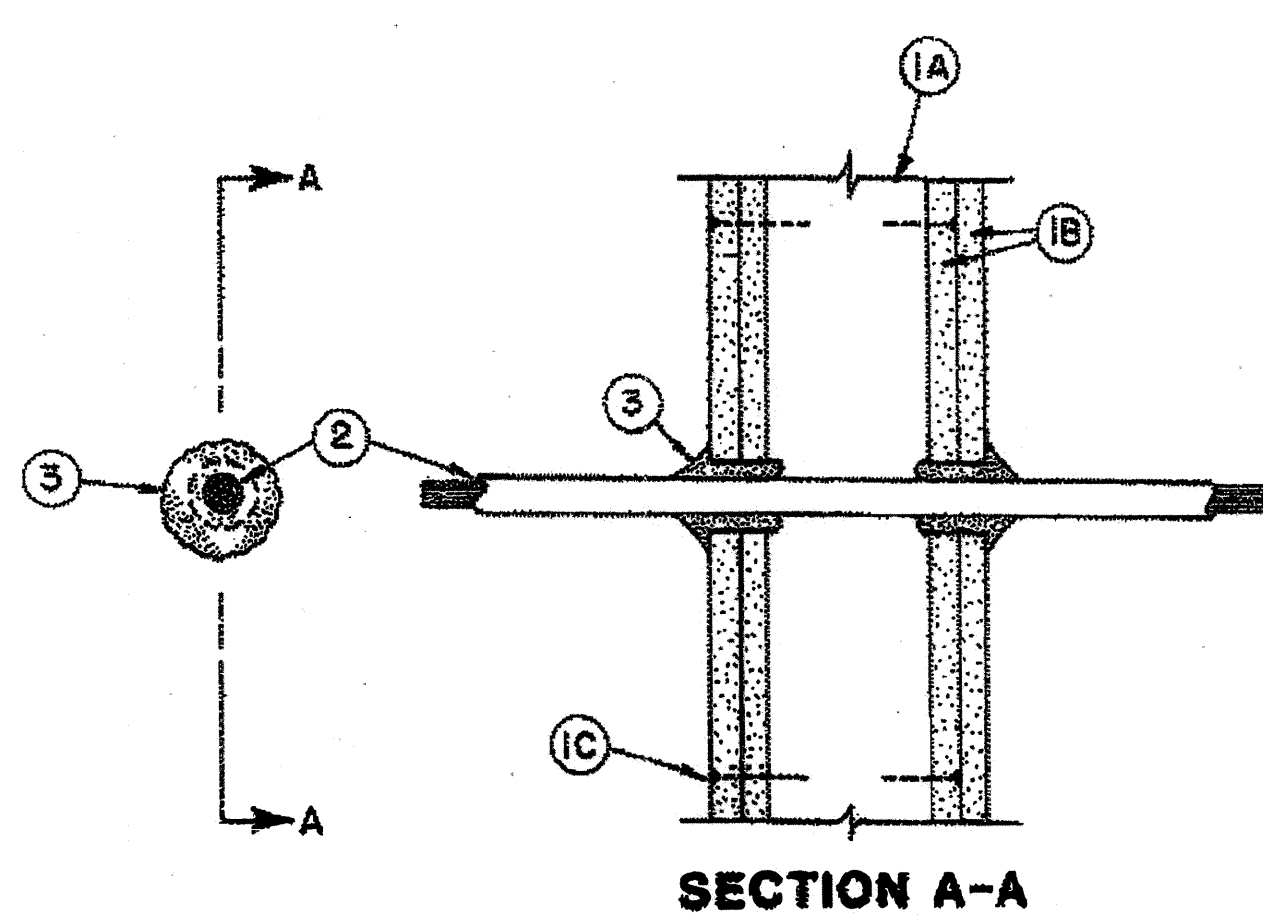
(Formerly System No. 149)

F Ratings — 1 and 2 Hr (See Item 1)

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

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

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



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

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

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

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

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

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

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

cable is used in 2 hr fire rated wall, T Rating is 1 hr.

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

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

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

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

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

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

*Bearing the UL Classification Mark

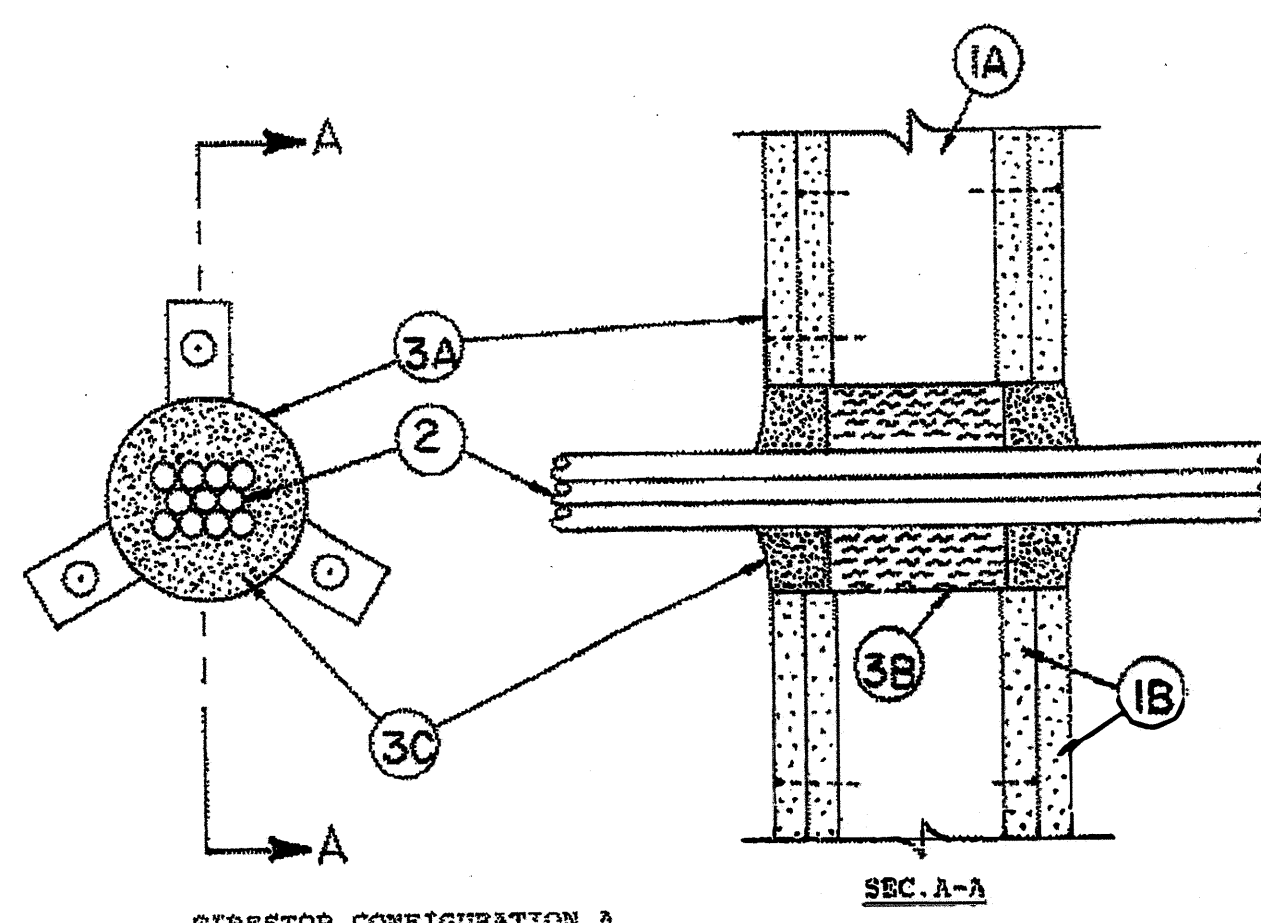
System No. W-L-3005

June 23, 2006

(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 U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

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

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

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

2. **Cables** — Aggregate cross-sectional area of cable in opening to be max 40 percent of the aggregate cross-sectional area 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 3/C (with ground)** — 12 AWG (or smaller) PVC-insulated and jacketed nonmetallic sheathed cable.

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

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

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

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

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

W R GRACE & CO — CONN — FS900, FS901, FS903, FS903CG, FS905, FS905CG, FS929, FS901, FS903 or FS905 Sealant or FSP 1000 Putty

System No. W-J-1010

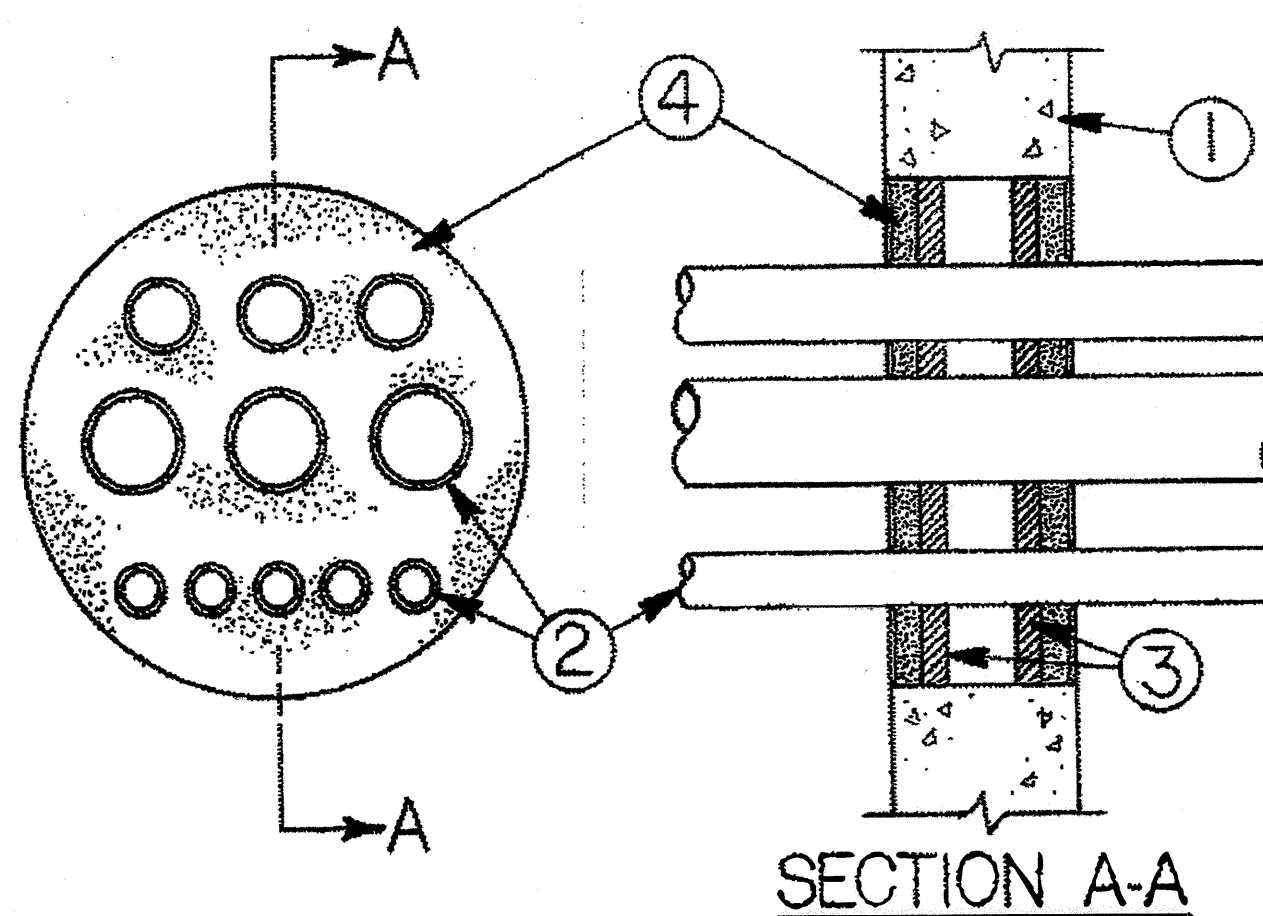
June 15, 2005

F Rating — 3 Hr

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

L Rating At Ambient — 2 CFM/sq ft

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



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

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

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

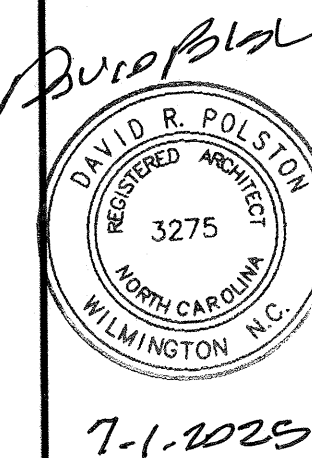
Max Pipe or Conduit Diam In.	T Rating Hr
3 (76)	1
1 (25)	1-1/2
3/4 (19)	2

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

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

3M COMPANY — CP 25WB+ or FB-3000 WT

*Bearing the UL Classification Mark



HEARTLAND LIVING
AND REHABILITATION
Greensboro, North Carolina

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

125 BED
FACILITY

FS
5

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

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

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

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

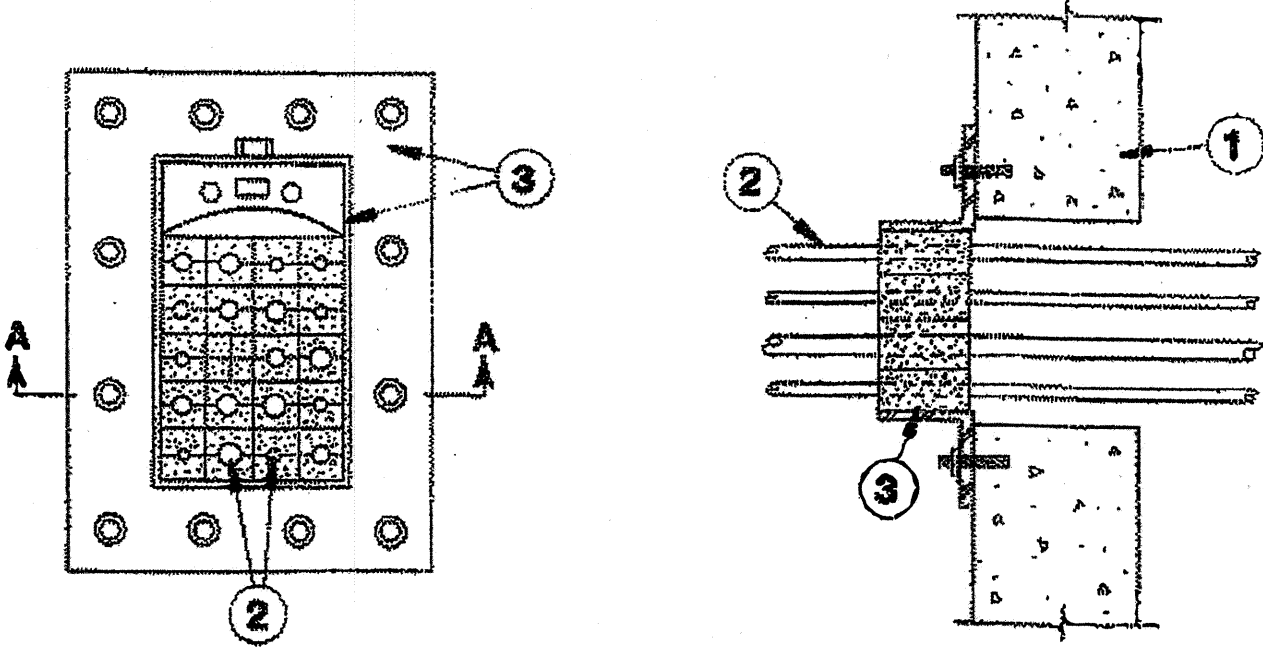
System No. W-J-1016

December 05, 1996

(Formerly System No. 497)

F Rating — 3 Hr

T Rating — 0 Hr



SECTION A-A

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

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

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

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

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

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

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

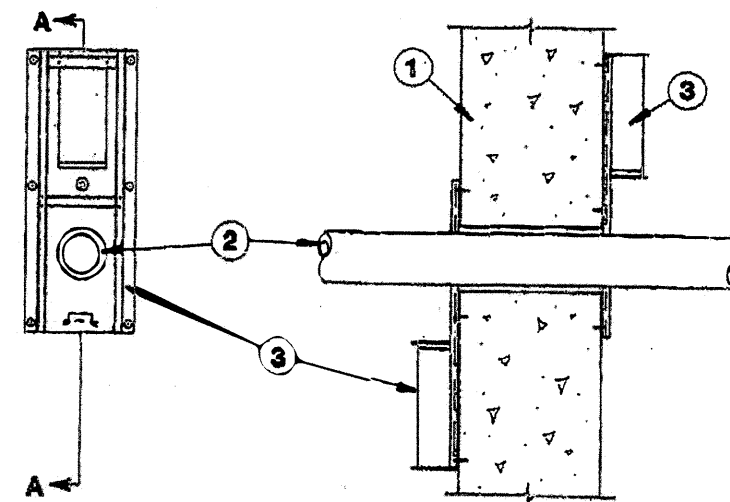
RGB NELSON FIRESTOP — Types RGB-2, RGB-4, RGB-4x2, RGB-6

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)



WALL ASSEMBLY

1. **Wall Assembly**—Min 7-5/8 in. thick wall assembly constructed of any UL Classified Concrete Blocks* or common bricks, laid up with mortar. Max diam of opening is 7 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants**—One nonmetallic pipe or conduit to be centered within the firestop system. Pipe to be rigidly supported on both sides of wall assembly. A nom annular space of 1/4 to 3/8 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types of nonmetallic pipes or conduits may be used:

A. **Polyvinyl Chloride (PVC) Pipe**—Nom 8 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. **Polyethylene (PE) Pipe**—Nom 8 in. diam (or smaller) Schedule 40 PE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe**—Nom 8 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 8 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	3
1-1/2	PVC	1-1/2	Sch 80	3	3
3	PVC	3	Sch 40	3	3
6	PVC	6	Sch 40	3	2

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

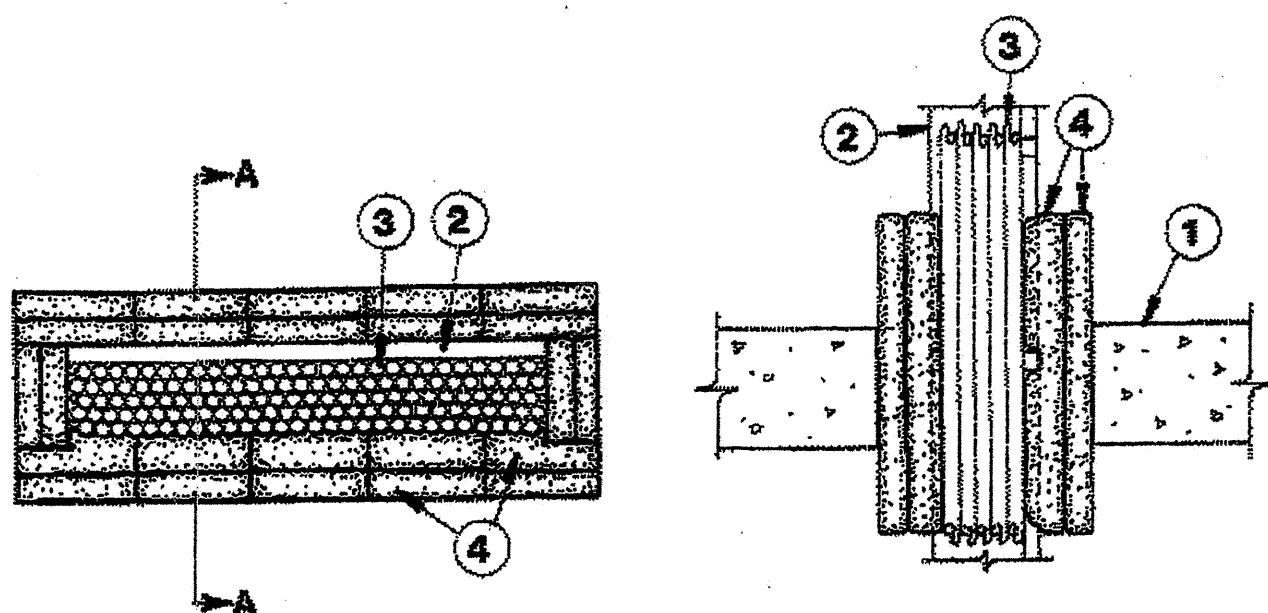
*Bearing the UL Classification Marking

System No. W-J-4005

January 08, 1993

F Rating — 3 Hr

T Rating — 0 Hr



SECTION A-A

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

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

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

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

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

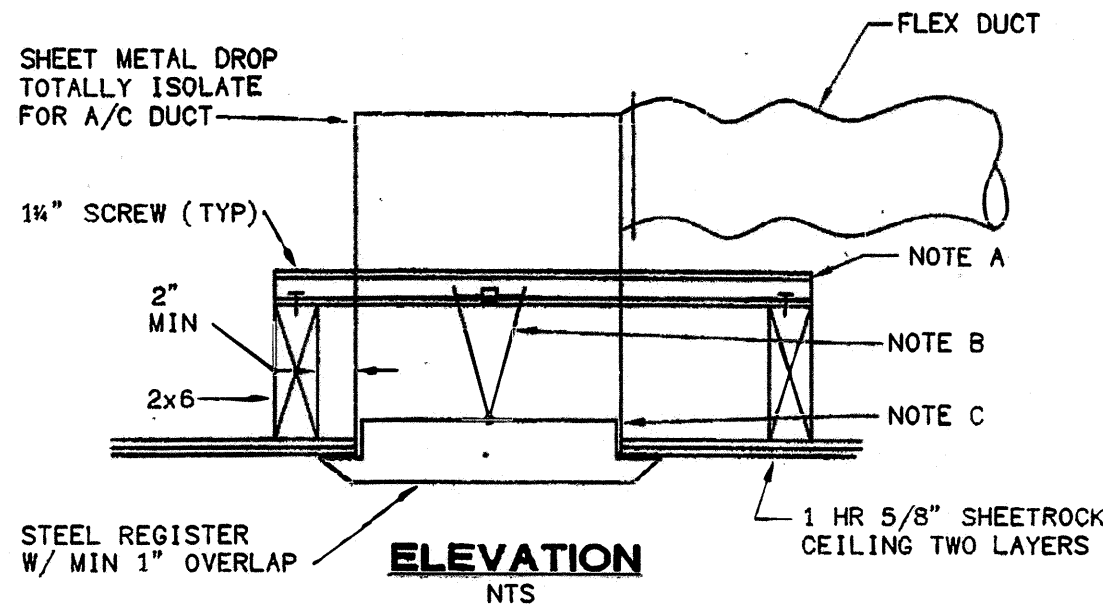
B. Max 7/C No. 12 AWG copper conductor control cables with polyvinyl chloride (PVC) insulation and jacket materials.

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

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

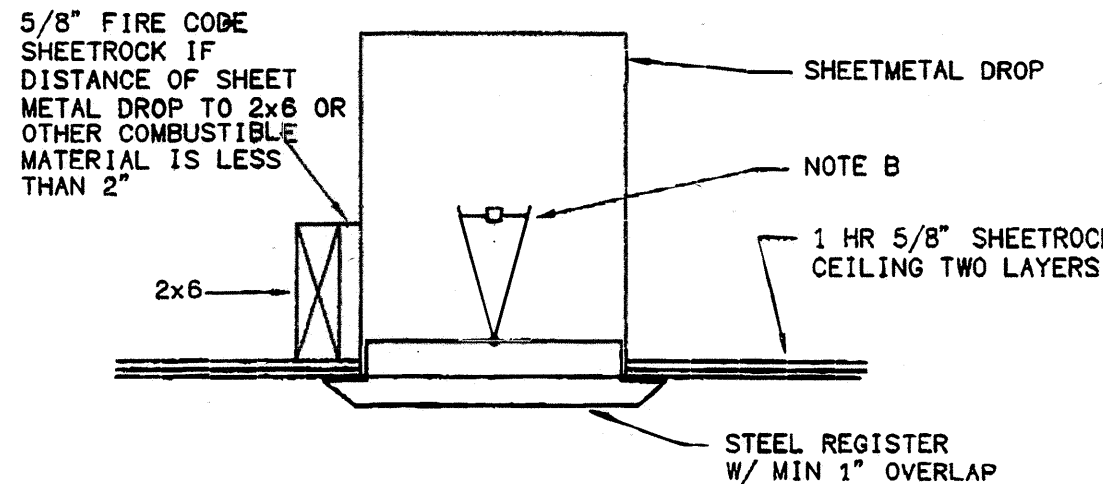
TRESCO INC — TREStop-PS

*Bearing the UL Classification Mark



ELEVATION

NOTES:
A. SUPPORT EACH SIDE WITH 16 GA. x 1 1/2 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.

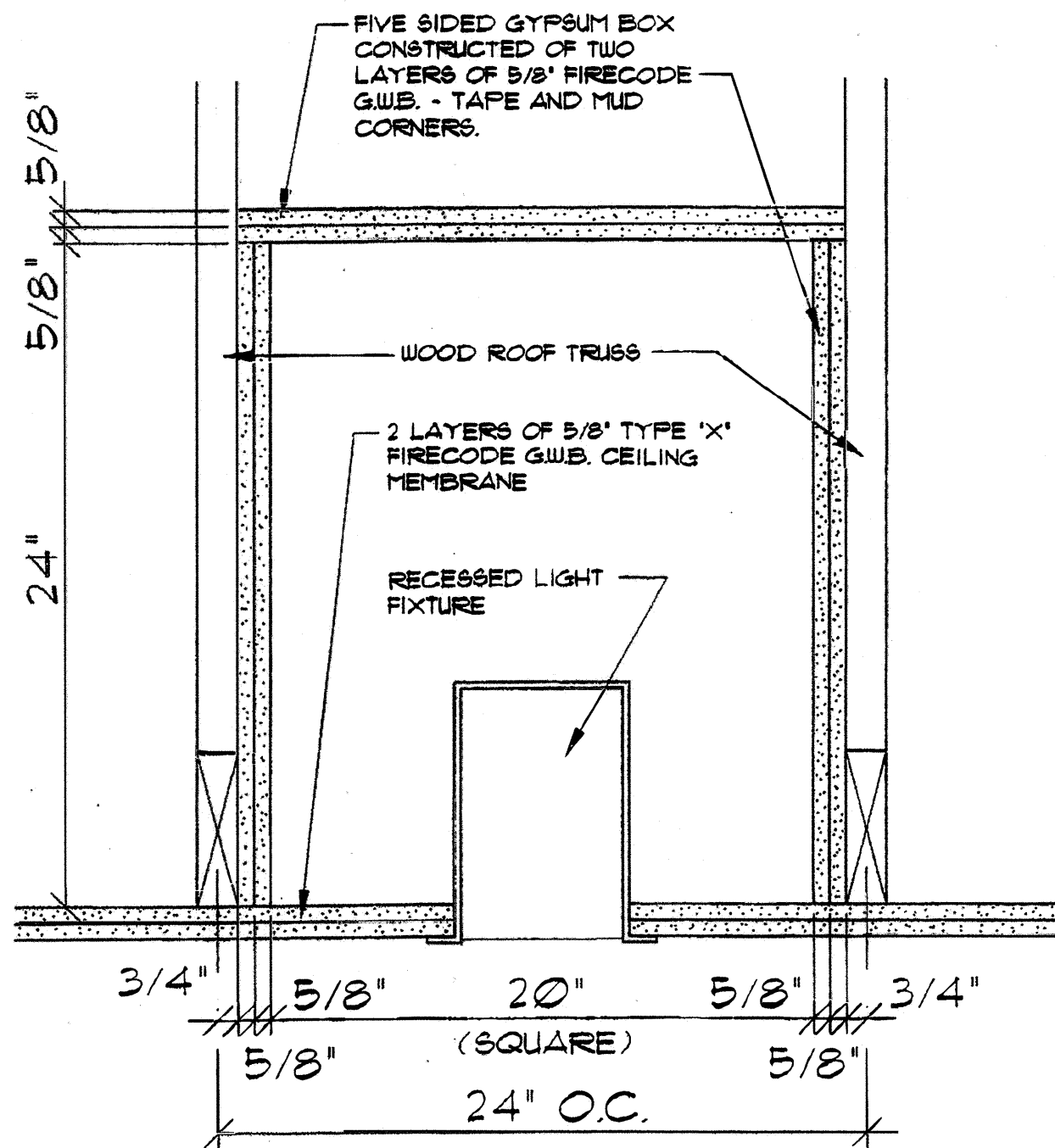


BOX NEXT TO 2x6 JOIST

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

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

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



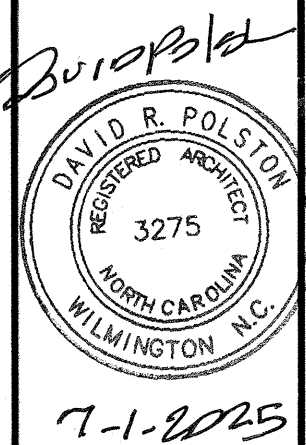
RECESSED LIGHTING CEILING PROTECTION FIVE SIDED G.W.B. BOX SCALE: 2" = 1'-0"

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

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

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

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



HEARTLAND LIVING AND REHABILITATION Greensboro, North Carolina

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125 BED FACILITY

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