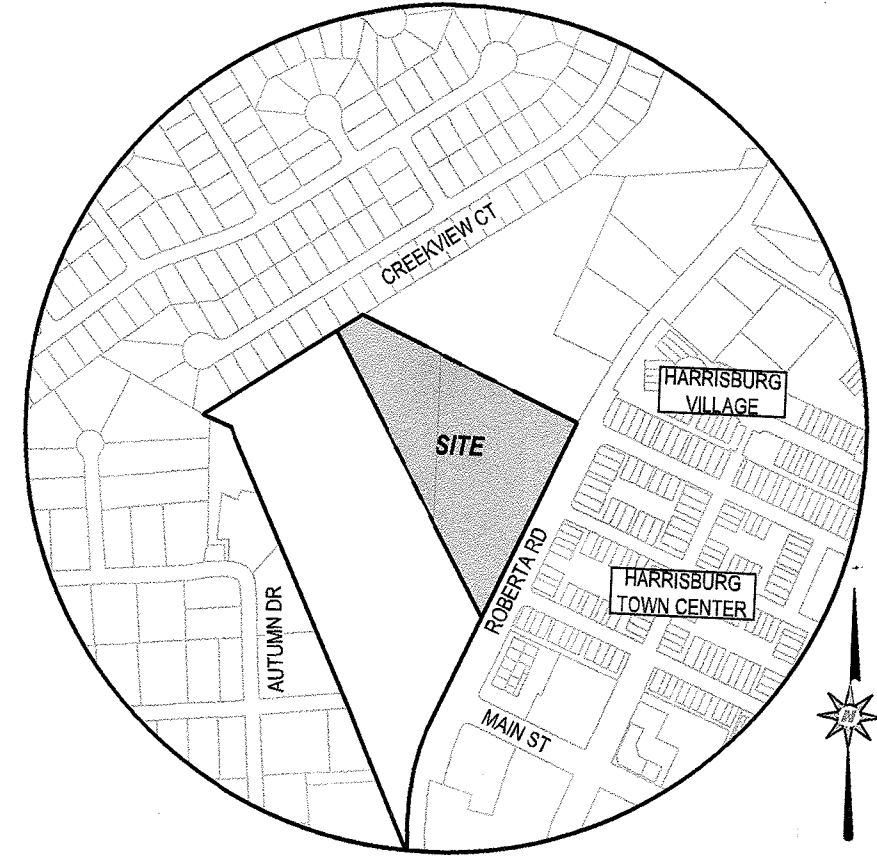


HUD PROJECT NO.:

OWNER: PRUITTHEALTH - TOWN CENTER, L.L.C. - BY:  
ARCHITECT: DAVID R. POLSTON, ARCHITECT BY:  
CONTRACTOR: BY:  
BONDING CO. BY:  
LENDER: BY:

EXISTING BUILDING SQUARE FOOTAGE - 28,869 S.F.  
INTERIOR RENOVATION SQUARE FOOTAGE - 2,217 S.F.  
NEW CONSTRUCTION SQUARE FOOTAGE - 35,722 S.F.

PRUITTHEALTH  
TOWN CENTER  
6300 Roberta Road  
Harrisburg, North Carolina 28075  
57 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS



VICINITY MAP

T 1- COVER SHEET  
T 2- BUILDING DATA - ADDITION / RENOVATIONS

CIVIL

C 0.0- COVER SHEET  
C 0.1- CIVIL NOTES  
C 1.0- EXISTING CONDITIONS PLAN  
C 2.0- DEMOLITION PLAN  
C 3.0- SITE PLAN  
C 4.0- UTILITY PLAN  
C 5.0- GRADING AND DRAINAGE PLAN  
C 6.0- LIGHTING PLAN  
L 1.0- LANDSCAPE PLAN  
L 2.0- LANDSCAPE DETAILS  
D 1.0- SITE DETAILS I  
D 1.1- SITE DETAILS II  
D 1.2- SITE DETAILS III  
D 2.0- STORM DETAILS  
D 2.1- STORM DETAILS II  
D 3.0- WATER DETAILS  
D 4.0- SEWER DETAILS  
EC 1.0- EROSION CONTROL PLAN - INITIAL PHASE  
EC 2.0- EROSION CONTROL PLAN - CONSTRUCTION PHASE  
EC 3.0- EROSION CONTROL DETAILS I  
EC 3.1- EROSION CONTROL DETAILS II  
EC 3.2- EROSION CONTROL DETAILS III  
EC 3.3- EROSION CONTROL DETAILS IV  
EC 3.4- EROSION CONTROL DETAILS V  
SW 1.0- PRE-DEVELOPMENT DRAINAGE AREA MAP  
SW 2.0- POST-DEVELOPMENT DRAINAGE AREA MAP

STRUCTURAL

S 1.1- STRUCTURAL DEMOLITION AND RENOVATIONS  
S 1.2- STRUCTURAL DEMOLITION AND RENOVATIONS  
S 1.3- STRUCTURAL DEMOLITION AND RENOVATIONS  
S 2.1- PARTIAL FOUNDATION PLAN  
S 2.2- PARTIAL FOUNDATION PLAN  
S 2.3- PARTIAL FOUNDATION PLAN  
S 2.4- PARTIAL FOUNDATION PLAN  
S 2.5- PARTIAL FOUNDATION PLAN  
S 3.1- PARTIAL FRAMING PLAN  
S 3.2- PARTIAL FRAMING PLAN  
S 3.3- PARTIAL FRAMING PLAN  
S 3.4- PARTIAL FRAMING PLAN  
S 3.5- PARTIAL FRAMING PLAN  
S 4- STRUCTURAL DETAILS  
S 5- STRUCTURAL DETAILS  
S 6- STRUCTURAL DETAILS  
S 7- STRUCTURAL DETAILS  
S 8- STRUCTURAL DETAILS  
S 9- STRUCTURAL DETAILS  
S 10- STRUCTURAL BUILDING DATA, NOTES  
AND SPECIAL INSPECTIONS REQUIREMENTS.

ARCHITECTURAL

LS 1- LIFE SAFETY REQUIREMENTS AT PROJECT  
COMPLETION  
LS 2- OCCUPANCY CLASSIFICATIONS AND EGRESS  
LOADS  
A 1- EXISTING BUILDING COMPOSITE PLAN  
A 2- COMPOSITE PLAN WITH BUILDING ADDITIONS  
A 2.1- CONVERSION OF EXISTING 2 BR. ROOMS TO NEW PRIVATE  
BEDROOMS AFTER BUILDING ADDITIONS ARE COMPLETED  
A 2.2- ROOF PLAN  
A 3- STEP ONE- DEMOLITION AND RENOVATION PLANS  
A 4- STEP TWO DEMOLITION AND RENOVATION PLANS  
A 5- PARTIAL FLOOR PLANS - WINGS '400' AND '500'  
A 6- WING '200' RENOVATIONS  
A 7- TYPICAL BEDROOM PLANS - WINGS '400' AND '500'  
A 8- DEMOLITION AND TEMPORARY EXIT PLANS  
A 9- PARTIAL FLOOR PLANS W/ WING '600'  
A 10- PARTIAL FLOOR PLAN W/ WING '100'  
A 11- TYPICAL BEDROOM PLANS - WINGS '600' AND '100'  
A 12- 1/4" SCALE PHYSICAL THERAPY SUITE  
A 13- INTERIOR ELEVATIONS  
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A 15- DOOR AND FRAME SCHEDULE  
A 16- DOOR AND FRAME SCHEDULE  
A 17- EXTERIOR ELEVATIONS  
A 18- EXTERIOR ELEVATIONS  
A 19- EXTERIOR ELEVATIONS  
A 20- WINDOW SCHEDULE AND WINDOW DETAILS  
A 21- INTERIOR WALL SECTIONS  
A 22- INTERIOR AND EXTERIOR WALL SECTIONS  
A 23- EXTERIOR WALL SECTION AND COLUMN SECTIONS  
A 24- BUILDING CROSS-SECTIONS AND MISC. CONSTRUCTION DETAILS

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

ID 1-0.1- COLOR SCHEDULE  
ID 1-0.2 ROOM FINISH SCHEDULE  
ID 1.1- FINISH PLAN  
ID 2.0- INTERIOR ELEVATIONS AND DETAILS  
ID 2.1- INTERIOR ELEVATIONS AND DETAILS  
ID 2.2- INTERIOR ELEVATIONS AND DETAILS  
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PLUMBING

P 0.1- PLUMBING SCHEDULES, NOTES AND ABBREVIATIONS  
P 0.2- PLUMBING DETAILS  
P 0.3- PLUMBING RISERS  
PD 1.1- PLUMBING DEMOLITION PLANS  
PD 1.2- PLUMBING DEMOLITION PLANS  
PS 1.1- PARTIAL WASTE / VENT PLANS  
PS 1.2- PARTIAL WASTE / VENT PLANS  
PS 1.3- PARTIAL WASTE / VENT PLANS  
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M 0.1- MECHANICAL ABBREVIATIONS AND LEGENDS  
M 0.2- MECHANICAL SCHEDULES  
M 0.3- MECHANICAL DETAILS  
M 0.4- MECHANICAL VRF SYSTEM SCHEMATICS  
M 0.5- MECHANICAL VRF SYSTEM SCHEMATICS  
M 0.6- MECHANICAL AIR BALANCE SCHEDULE

MD.1- MECHANICAL DEMOLITION PLANS

MH.1- PARTIAL HVAC MECHANICAL PLANS  
MH.2- PARTIAL HVAC MECHANICAL PLANS  
MH.3- PARTIAL HVAC MECHANICAL PLANS

MP.1- PARTIAL PIPING MECHANICAL PLANS  
MP.2- PARTIAL PIPING MECHANICAL PLANS  
MP.3- PARTIAL PIPING MECHANICAL PLANS

ELECTRICAL

E 0.1- ELECTRICAL ABBREVIATIONS AND LEGEND  
E 0.2- ELECTRICAL GENERAL NOTES  
E 0.3- DEMOLITION POWER RISER DIAGRAM  
E 0.4- RENOVATION POWER RISER DIAGRAM  
E 0.5- ELECTRICAL SCHEDULES  
E 0.6- ELECTRICAL DETAILS  
E 0.7- ELECTRICAL DETAILS  
E 0.8- ELECTRICAL DETAILS  
E 0.9- ELECTRICAL PANEL SCHEDULES  
E 0.10- ELECTRICAL PANEL SCHEDULES  
E 0.11- LIGHTING FIXTURE SCHEDULE  
E 0.12- DECORATIVE LIGHTING FIXTURE SCHEDULE

EP 1.1- PARTIAL POWER PLANS  
EP 1.2- PARTIAL POWER PLANS  
EP 1.3- PARTIAL POWER PLANS  
EP 1.4- ELECTRICAL ATTIC POWER PLANS  
EP 1.5- ELECTRICAL ENLARGED PLANS  
EP 1.6- ELECTRICAL ENLARGED PLANS AND DETAILS  
EP 1.7- ELECTRICAL DETAILS

ER 1.1- TELECOMMUNICATIONS PLAN  
ER 1.2- CCTV PLAN  
ER 1.3- PUBLIC ADDRESS PLAN  
ER 1.4- COMPOSITE NURSE CALL PLAN  
ER 1.5- NURSES' STATION COVERAGE PLAN  
ER 1.6- NURSE CALL DETAILS  
ER 1.7- ACCESS CONTROL PLAN  
ER 1.8- ACCESS CONTROL DOOR DETAILS

EL 1.1- PARTIAL LIGHTING PLANS  
EL 1.2- PARTIAL LIGHTING PLANS  
EL 1.3- PARTIAL LIGHTING PLANS  
EL 1.4- ELECTRICAL LIGHTING ATTIC PLAN

FIRE ALARM

F 0.1- FIRE ALARM NOTES AND DETAILS  
F 0.2- FIRE ALARM NOTES AND ZONE PLAN

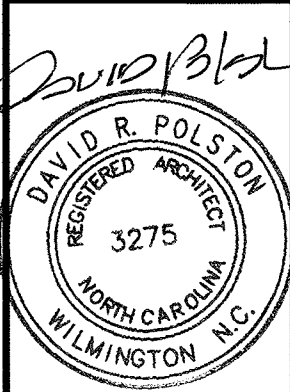
FA 1.1- PARTIAL FIRE ALARM PLANS  
FA 1.2- PARTIAL FIRE ALARM PLANS  
FA 1.3- PARTIAL FIRE ALARM PLANS

FACILITY PARKING REQUIREMENTS

REGULAR PARKING SPACES PROVIDED: 144  
HANDICAPPED ACCESSIBLE PARKING SPACES (NON-VAN) PROVIDED: 0  
VAN ACCESSIBLE PARKING SPACES PROVIDED: 7

APPLICABLE CODES AND STANDARDS:

DESIGN CODES	EDITION DATE	DESIGN CODES	EDITION DATE
NORTH CAROLINA STATE BUILDING CODE (NCSBC)	2018	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (NFPA-13)	2018
NORTH CAROLINA STATE PLUMBING CODE (NCSPC)	2018	LIFE SAFETY CODE (NFPA-101)	2018
NORTH CAROLINA STATE MECHANICAL CODE (NCSMC)	2018	FAIR HOUSING ACCESSIBILITY GUIDELINES (FHAG)	1998
NORTH CAROLINA STATE FUEL GAS CODE (NCSEFGC)	2018	UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS)	1984
NORTH CAROLINA STATE ENERGY CONSERVATION CODE (NCSECC)	2018	ICC / ANSI A17.1 ACCESSIBILITY & USABLE BUILDINGS & FACILITIES	2009
NORTH CAROLINA FIRE PREVENTION CODE (NCFFPC)	2018	ADA STANDARDS FOR ACCESSIBLE DESIGN	2010
NATIONAL ELECTRICAL CODE (NFPA-70)	2020	MINIMUM PROPERTY STANDARDS FOR HOUSING (MPSH)	1994
NATIONAL FIRE ALARM & SIGNALING CODE (NFPA-72)	2019		



PRUITTHEALTH  
TOWN CENTER  
Harrisburg, North Carolina

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

57 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

11



# NORTH CAROLINA BUILDING CODE SUMMARY

**57 NEW PRIVATE BEDROOMS PLUS 2 NEW RENOVATED BEDROOMS 106 BED NURSING FACILITY AFTER ADDITIONS**

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

Name of Project: PRUITTHEALTH TOWN CENTER - 57 NEW PRIVATE BEDROOMS + 2 NEW RENOVATED BEDROOMS  
Address: 3806 ROBERTA ROAD - HARRISBURG, NORTH CAROLINA Zip Code: 28075  
Owner/Authorized Agent: NICOLE FRAZIER Phone: 704-491-9099 E-mail: nfrazier@pruitthealth.com  
Owned By: ☐ City/County ☒ Private ☐ State  
Code Enforcement Jurisdiction: ☐ City ☒ County CABARRUS ☐ 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 3778 (919) 350-0900 polston@pruitthealth.com  
Civil GURRY ENGINEERING DON GURRY 076910 (919) 551-0848 don@gurryeng.com  
Electrical CBP ENGINEERS, PLLC R. DUNCAN MCADYEN 8433 (919) 751-4000 rdmcdy@cbpengineers.com  
Fire Alarm CBP ENGINEERS, PLLC R. DUNCAN MCADYEN 8433 (919) 751-4000 rdmcdy@cbpengineers.com  
Plumbing CBP ENGINEERS, PLLC JAMES R. BENSON 10992 (919) 751-4000 jbenson@cbpengineers.com  
Mechanical CBP ENGINEERS, PLLC JAMES R. BENSON 10992 (919) 751-4000 jbenson@cbpengineers.com  
Sprinkler-Standpipe DESIGN / BUILD BY SPRINKLER CONTRACTOR  
Structural HAUSER-CREECH THEODORE A. PETERS 048492 (919) 811-1919 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) 2011 CURRENT OCCUPANCY(S) (CH.3) I-2

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	28,069 S.F.	35,122 S.F.	64,591 S.F.
Mazanine			
Basement			
Total	28,069 S.F.	35,122 S.F.	64,591 S.F.

### ALLOWABLE AREA

#### Primary Occupancy Classification(s):

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

Accessory Occupancy Classification(s): 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.

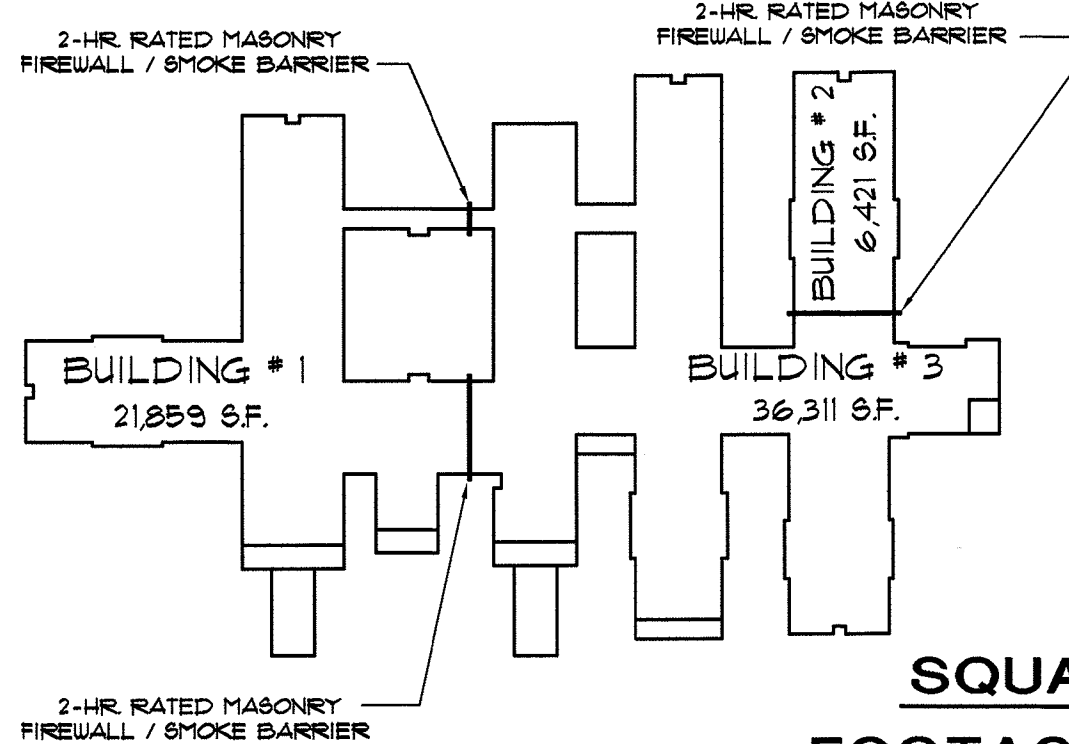
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

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

NOTE: FACILITY IS DIVIDED W/ (3) 2 HOUR FIREWALLS - BUILDINGS '1', '2', AND '3'  
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
BLDG. '1'	1 I-2	21,859 S.F.	36,000 S.F.	NOT USED	36,000 S.F.
BLDG. '2'	1 I-2	6,421 S.F.	36,000 S.F.	NOT USED	36,000 S.F.
BLDG. '3'	1 I-2	36,311 S.F.	36,000 S.F.	NOT USED	36,000 S.F.

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



## SQUARE FOOTAGE KEY

### E. PROPOSED BUILDING AREA:

BUILDING '1' = 21,859 S.F. IS LESS THAN 36,000 S.F. ALLOWED  
BUILDING '2' = 6,421 S.F. IS LESS THAN 36,000 S.F. ALLOWED  
BUILDING '3' = 36,311 S.F. IS LESS THAN 36,000 S.F. ALLOWED

TOTAL BUILDING S.F. = 64,591 S.F.

### ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET (Table 504.3)	50'	33'	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 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 / F81	U-356		
North	> 30'	I-HR	I-HR	DTL. * 2 / F81	U-356		
East	> 30'	I-HR	I-HR	DTL. * 2 / F81	U-356		
West	> 30'	I-HR	I-HR	DTL. * 2 / F81	U-356		
South	> 30'	I-HR	I-HR	DTL. * 2 / F81	U-356		
Interior	N/A	I-HR	I-HR	DTL. * 4 / F82	U-309		
Nonbearing walls and partitions							
Exterior walls							
North	N/A	I-HR	I-HR	DTL. * 2 / F81	U-356		
East	N/A	I-HR	I-HR	DTL. * 2 / F81	U-356		
West	N/A	I-HR	I-HR	DTL. * 2 / F81	U-356		
South	N/A	I-HR	I-HR	DTL. * 2 / F81	U-356		
Interior walls	N/A	0	---	DTL. * 4 / F82	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 / F81	RG-2602		
Column Supporting Roof	N/A	I-HR	I-HR	DTL. * 1 / F81	X-528		
Shafts - Exit	N/A	N/A	N/A	N/A	N/A		
Shafts - Other	N/A	N/A	N/A	N/A	N/A		
Corridor Separation	N/A	0	---	DTL. * 4 / F82	U-309		
Occup./Fire Barrier Sep.	N/A	I-HR	I-HR	DTL. * 4 / F82	U-309		
Party/Fire Wall Sep.	N/A	2-HR	2-HR	DTL. * 5 / F83	U-320 / U-322		
Smoke Barrier Sep.	N/A	I-HR	I-HR	DTL. * 4 / F82	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 / F82	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 (1010.1.9.8)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1030)
- ☒ The square footage of each fire area (202)
- ☒ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

### ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQ.	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS	TYPE A UNITS PROVIDED	TYPE B UNITS REQ.	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
96	48	96	0	0	48	0	96

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/ 9' ACCESS AISLE	VAN SPACES WITH 132" AISLE 8' ACCESS AISLE	
FACILITY SPACES	144	144			1
TOTAL	144	144			1

### PLUMBING FIXTURE REQUIREMENTS (FULL BUILDING) (TABLE 2902.1)

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

### SPECIAL APPROVALS

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

DWBR 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: 38  
Skylights in each assembly: NOT APPLICABLE  
U-Value of skylight: N/A  
total square footage of skylights in each assembly: 0

Exterior Walls (each assembly) BRICK VENEER ON WOOD STUDS W/ GWB, INT. SIDE / O.S.B. EXT. SIDE  
Description of assembly: \_\_\_\_\_  
U-Value of total assembly: 0.21  
R-Value of insulation: 19  
Openings (windows or doors w/ glazing)  
U-Value of assembly: 3.0  
Solar heat gain coefficient: 29  
projection factor: N/A  
Door R-Values: 21

Walls below grade (each assembly) NOT APPLICABLE  
Description of assembly: \_\_\_\_\_  
U-Value of total assembly: \_\_\_\_\_  
R-Value of insulation: \_\_\_\_\_

Floors over unconditioned space (each assembly) NOT APPLICABLE  
Description of assembly: \_\_\_\_\_  
U-Value of total assembly: \_\_\_\_\_  
R-Value of insulation: \_\_\_\_\_

Floors - slab on grade  
Description of assembly: CONC. SLAB ON GRADE  
U-Value of total assembly: N/A  
R-Value of insulation: 18  
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: PS

WIND LOAD:

Basic Wind Speed: 120 MPH

Exposure Category: B

SEISMIC LOAD:

Spectral Response: 0.229

S1: 0.100

S2: 0.244

S3: 0.160

Seismic Design Category: C

Seismic Site Class: D (Default)

Structural System: Light framed walls sheathed w/ structural panels

R-Factor: 5.5

Analysis Procedure: Equivalent Lateral Force

Seismic Base Shear: \_\_\_\_\_

SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:

Per ASCE 7 Chapter 13 all non-structural components are required to be braced against seismic sway.

LATERAL DESIGN CONTROL:

X-Direction: \_\_\_\_\_ Wind

Y-Direction: \_\_\_\_\_ Wind

SOIL BEARING PROPERTIES:

Allowable Bearing Capacity: 2000 psf (Presumptive)

BASE SHEAR SCHEDULE				
	WIND BASE SHEAR		SEISMIC BASE SHEAR*	
	Vx	Vy	Vx	Vy
"200" WING	7.6 K	4.0 K	0.4 K	0.4 K
"400" WING	21.0 K	9.2 K	2.4 K	2.4 K
"500" WING	28.8 K	9.2 K	3.3 K	3.3 K
"600" & "700" WINGS	63.7 K	55.4 K	11.4 K	11.4 K



A. OCCUPANCY:  
PRIMARY: I-2 (100 BED NURSING FACILITY AFTER ADDITIONS)  
ACCESSORY:  
A-2 (DINING ROOM/LIVING ROOMS, ETC.) /  
BUSINESS (OFFICES) /  
S-1 (MODERATE STORAGE)

OCCUPANCY CLASSIFICATION:  
NON-SEPERATED MIXED OCCUPANCY

B. CONSTRUCTION TYPE: TYPE V A

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

C. CONSTRUCTION DESCRIPTIONS:

- FLOORS - 4" CONCRETE SLAB ON GRADE
- EXTERIOR WALLS - 2" X 8" WOOD STUDS W/ 5/8" F.C. G.W.B. ON INSIDE OF STUDS W/ 1/4" O.S.B. ON EXTERIOR SIDE.  
UL ASSEMBLY U-305 1-HR. RATED
- INTERIOR BEARING WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE G.W.B. ON EACH SIDE.  
UL ASSEMBLY U-305 1-HR. RATED
- INTERIOR NON-BEARING WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE G.W.B. ON EACH SIDE.  
UL ASSEMBLY U-305 1-HR. RATED
- FIRE BARRIER WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE G.W.B. ON EACH SIDE.  
UL ASSEMBLY U-305 1-HR. RATED
- SMOKE BARRIER WALLS - 2" X 4" WOOD STUDS W/ 5/8" FIRECODE G.W.B. ON EACH SIDE.  
UL ASSEMBLY U-305 1-HR. RATED
- 2-HR. MASONRY FIREWALL / SMOKE BARRIER - 12" 15% SOLID C.M.U.  
UL ASSEMBLY U-301 2-HR. RATED
- CANOPY / PORCH COLUMNS - DOUBLE LAYER 5/8" FIRECODE G.W.B. WRAP / UL ASSEMBLY X-528 1-HR. RATED
- CANOPY / PORCH BEAMS - DOUBLE LAYER 5/8" FIRECODE G.W.B. WRAP / UL BEAM ASSEMBLY N-502 1-HR. RATED
- INTERIOR COLUMNS - DOUBLE LAYER 5/8" FIRECODE G.W.B. WRAP / UL ASSEMBLY X-528 1-HR. RATED
- INTERIOR BEAMS - DOUBLE LAYER 5/8" FIRECODE G.W.B. WRAP / UL BEAM ASSEMBLY N-502 1-HR. RATED
- CEILING - MANUFACTURED WOOD TRUSSES W/ FLYWOOD DECK AND FIBERGLASS CLASS 'A' SHINGLES / FIRE PROTECTION TO BE TWO LAYERS 5/8" FIRECODE G.W.B. CEILING THROUGH-OUT / CEILING HUNG REGISTER OPENINGS TO BE PROTECTED W/UL RADIATION DAMPERS / GYPSUM ASSOCIATION RC 2002 - 1-HR. RATED

D. ALLOWABLE AREA: (TABLE 506.2)

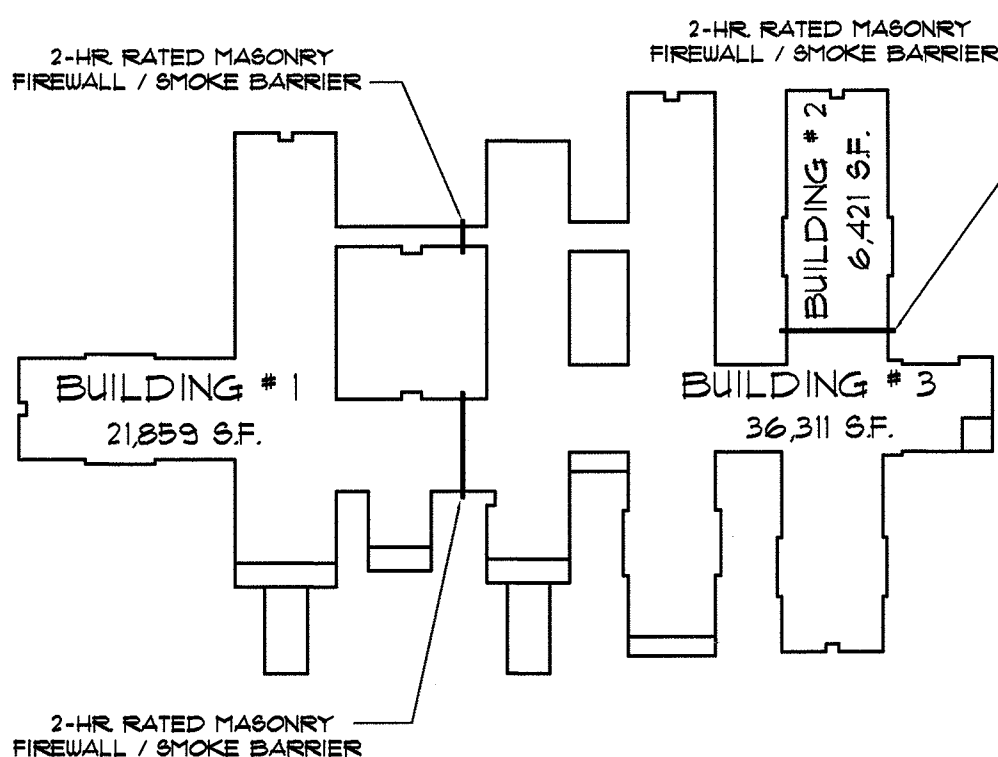
1-2 (V A): 38,000 SF. (SPRINKLED, 1-STORY)  
A-2 (V A): 48,000 SF. (SPRINKLED, 1-STORY)  
B (V A): 12,000 SF. (SPRINKLED, 1-STORY)  
S-1 (V A): 56,000 SF. (SPRINKLED, 1-STORY)

1-2 IS THE MOST RESTRICTIVE LIMITATION OF AREA FOR THE CONSTRUCTION TYPE.

E. PROPOSED BUILDING AREA:

BUILDING \* 1 = 21,859 SF. IS LESS THAN 38,000 SF. ALLOWED  
BUILDING \* 2 = 6,421 SF. IS LESS THAN 48,000 SF. ALLOWED  
BUILDING \* 3 = 36,311 SF. IS LESS THAN 56,000 SF. ALLOWED

TOTAL BUILDING SF. = 64,591 SF.



### SQUARE FOOTAGE KEY

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

- CORRIDOR WALLS ARE NON-RATED AND CONSTRUCTED TO FORM A BARRIER TO LIMIT THE TRANSFER OF SMOKE (DETAILS \* 2103 AND \* 2104) (401.3) IN ACCORDANCE W/ SECTION 710
- THE BUILDING IS SUB-DIVIDED INTO SMOKE COMPARTMENTS WHICH DO NOT EXCEED 21,859 SF. / HAVE TRAVEL DISTANCES WHICH DO NOT EXCEED 100 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 SPRINKLER SYSTEM AND QUICK RESPONSE HEADS (401.6)
- THE BUILDING IS PROTECTED THROUGH-OUT WITH A NFPA 12 SMOKE DETECTION / NOTIFICATION AUTOMATIC FIRE ALARM SYSTEM (401.1 AND 401.8)
- ALL MAGNETIC LOCKED EXTERIOR DOORS TO COMPLY WITH NC95C 401.12 SPECIAL LOCKING ARRANGEMENT FOR LICENSED GROUP 1-2

G. FIRE RESISTANT RATED CONSTRUCTION (CHAPTER 7)

- EXTERIOR WALLS (DETAILS \* 2204 TYPICAL)  
A. PERIMETER OPENINGS ALL EXCEED 30 FEET TO PROPERTY LINE - NO LIMIT ON UNPROTECTED OPENINGS PER TABLE 105.8
- FIREWALLS (105.9)  
A. FIREWALL CONSTRUCTION IS A 2-HOUR ASSEMBLY (DETAIL \* 2101) (TABLE 105.4 NOTE 8)  
B. FIREWALL TO EXTEND FROM 3'-0" FACE OF OUTSIDE WALL TO 3'-0" FACE OF OUTSIDE WALL AND 3'-0" ABOVE ADJACENT ROOF SURFACES.
- FIRE BARRIERS (101)  
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 (DETAIL \* 2301).
- SMOKE BARRIERS (103)  
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, \* 2305, AND \* 2306)
- OPENING PROTECTION (TABLE 105.5)  
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. (110.4.3 EXCEPTION)

H. INTERIOR FINISHES (CHAPTER 8)

- WALL AND CEILING FINISHES (803)  
ALL INTERIOR WALL AND CEILING FINISHES ARE SPECIFIED TO BE CLASS 'A' OR 'B' WHICH EXCEEDS TABLE 803.1 REQUIREMENTS FOR OCCUPANCY TYPES 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)

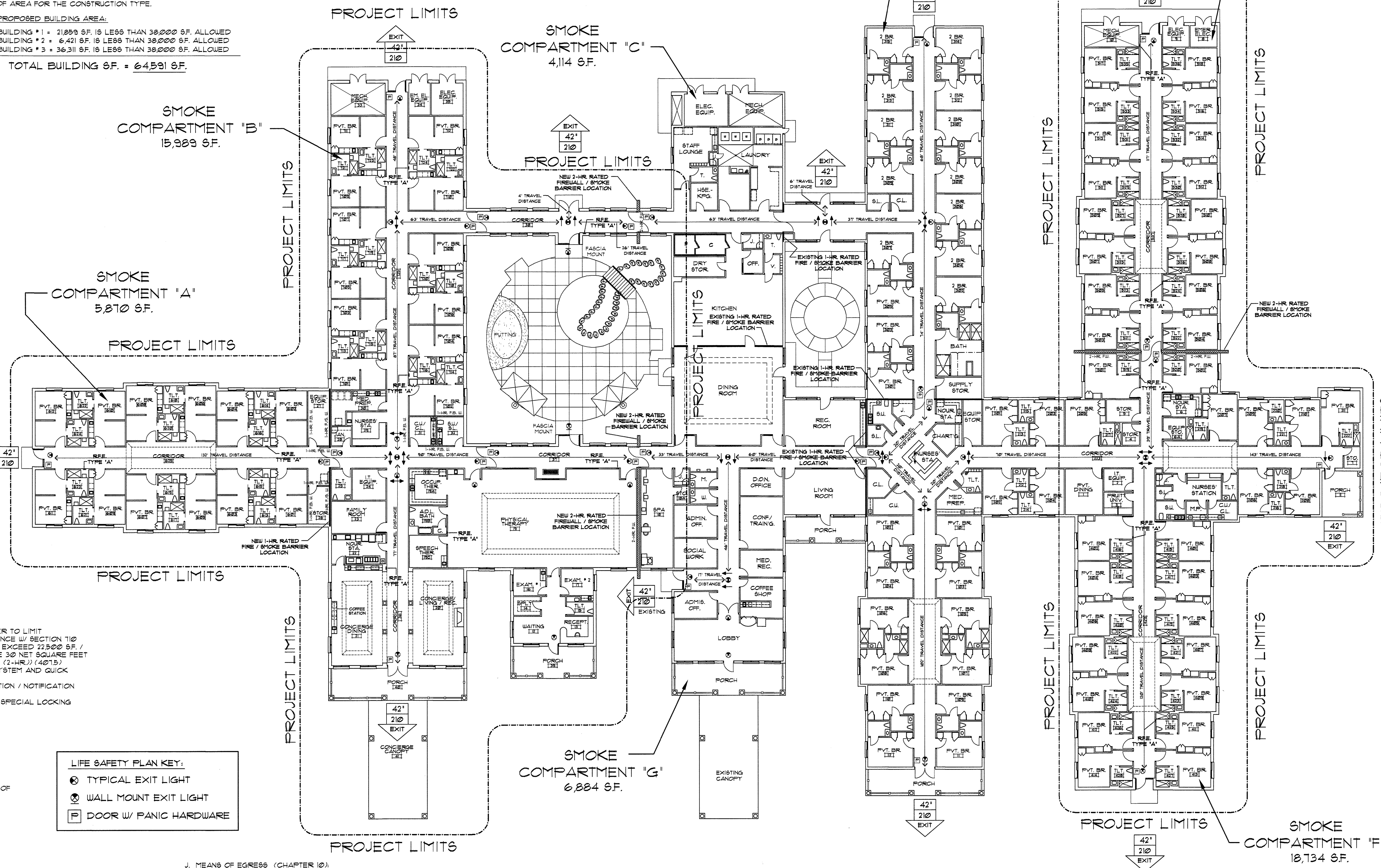
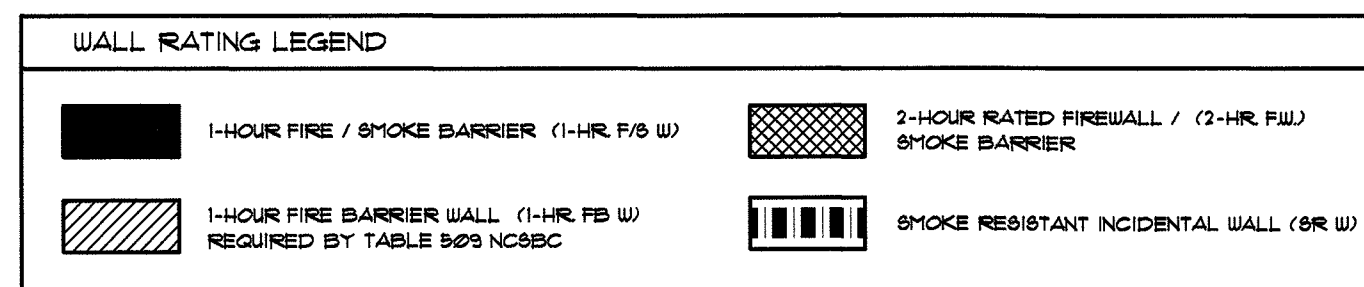
- AUTOMATIC SPRINKLER SYSTEM (903)  
THE BUILDING IS PROTECTED THROUGH-OUT WITH A NFPA-13 AUTOMATIC SPRINKLER SYSTEM.
- ALTERNATE FIRE-EXTINGUISHING SYSTEM (904)  
THE COMMERCIAL COOKING HOOD IS PROTECTED WITH AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM IN COMPLIANCE WITH NFPA 96 AND NFPA 11 OR 17A.
- PORTABLE FIRE EXTINGUISHERS (906)  
PORTABLE FIRE EXTINGUISHERS ARE LOCATED THROUGH-OUT THE FACILITY AS REQUIRED BY NFPA 10 AND IBC.
- FIRE ALARM / DETECTION SYSTEM (907)  
THE BUILDING IS PROTECTED THROUGH-OUT WITH AN AUTOMATIC FIRE DETECTION / ALARM SYSTEM WHICH COMPLIES WITH NFPA 72.

J. MEANS OF EGRESS (CHAPTER 10)

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

NOTE:

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



- EXIT ACCESS TRAVEL DISTANCE (TABLE 1012.1)  
A. A-2: 250 FEET WITH SPRINKLERS  
B. B: 300 FEET WITH SPRINKLERS  
C. S-1: 150 FEET WITH SPRINKLERS  
D. I-2: 200 FEET WITH SPRINKLERS  
E. I-2: MORE STRINGENT AND USED.
- CORRIDORS (1010)  
A. WIDTHS (TABLE 1012.2): 36 INCHES PROVIDED FOR I-2 WHICH IS THE MOST STRINGENT.  
B. DEAD END CORRIDORS (1012.4): 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

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

### EXIT LOCATION DESIGNATION

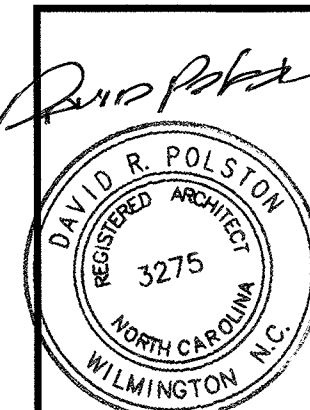
LIFE SAFETY NOTES ON THIS SHEET ARE FOR THE ADDITIONS ONLY UNLESS NOTED OTHERWISE.

LS101

### FLOOR PLAN

SCALE: 1" = 20'-0"

LIFE SAFETY REQUIREMENTS PLAN AT PROJECT COMPLETION



B-25-2025

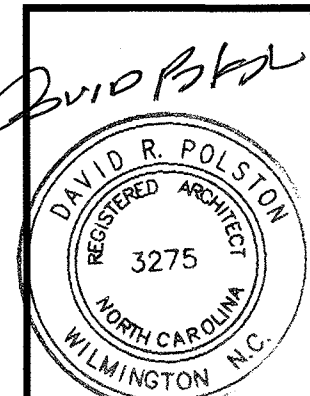
**PRUITTHEALTH**  
TOWN CENTER  
Harrisburg, North Carolina

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

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**LS**  
**1**





8.25.2025

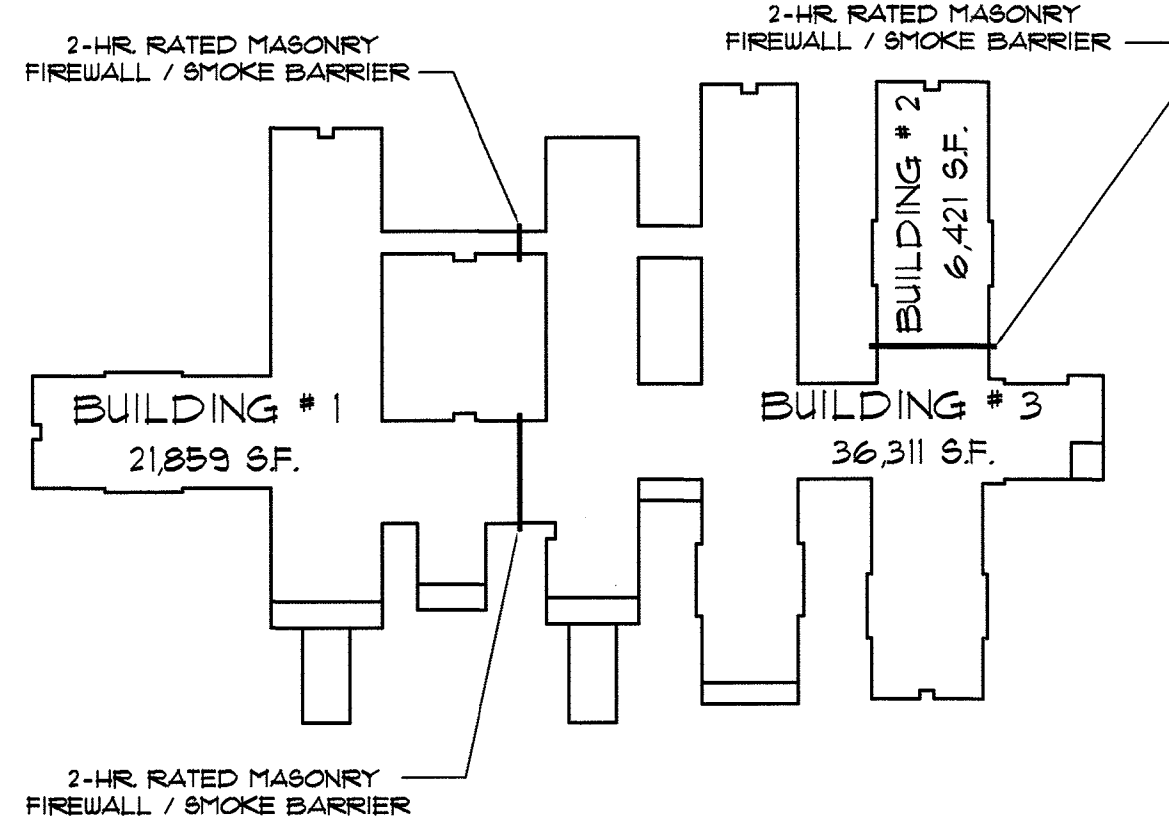
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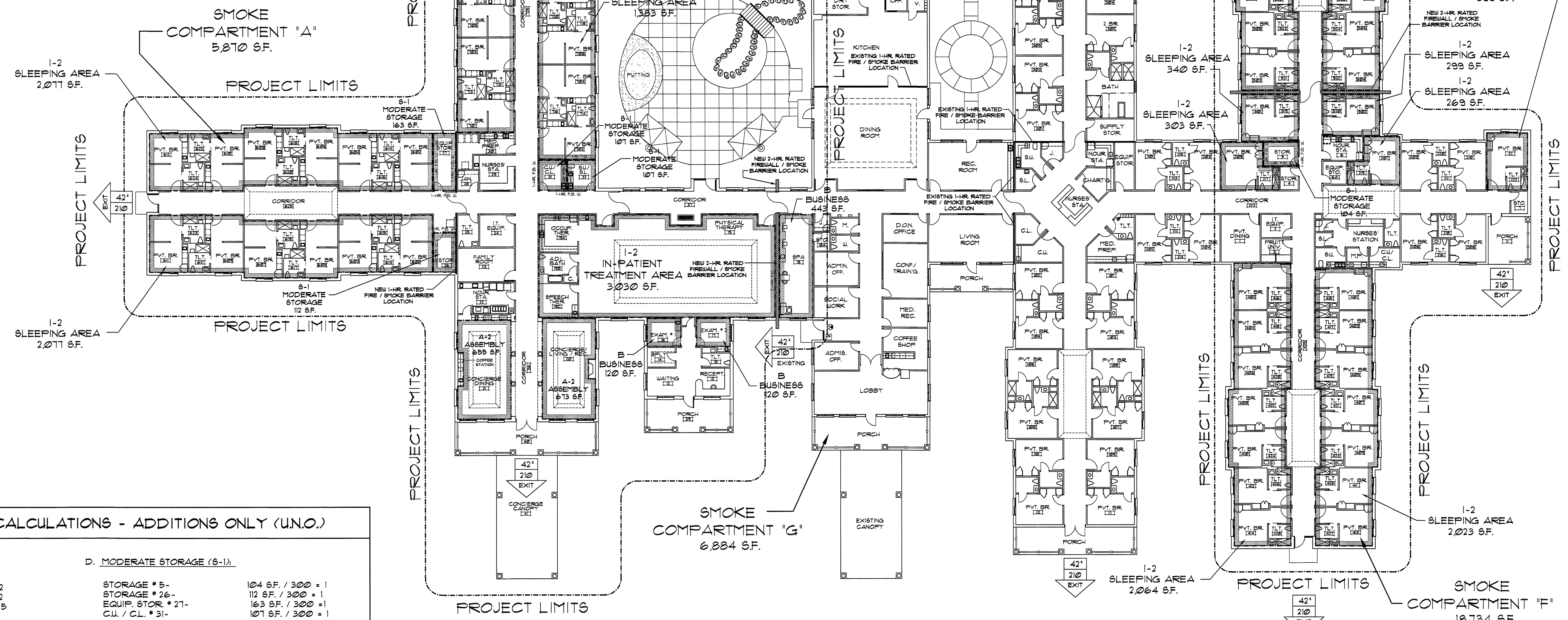
51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**LS**  
**2**

LIFE SAFETY NOTES ON THIS SHEET ARE FOR THE ADDITIONS ONLY UNLESS NOTED OTHERWISE.



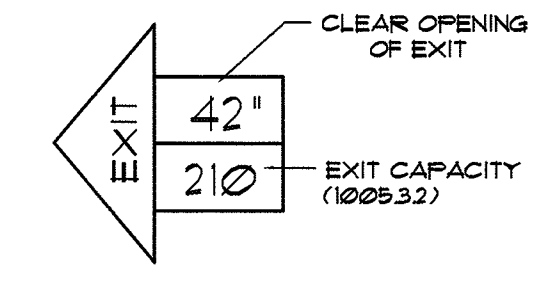
**SQUARE FOOTAGE KEY**



**OCCUPANCY / EGRESS CALCULATIONS - ADDITIONS ONLY (U.N.O.)**

<b>A. BUSINESS OCCUPANCY (B):</b>			<b>D. MODERATE STORAGE (S-1):</b>		
EXAM * 16 -	120 SF. / 100 = 2		STORAGE * 5 -	104 SF. / 300 = 1	
EXAM * 17 -	120 SF. / 100 = 2		STORAGE * 26 -	112 SF. / 300 = 1	
SPA * 18 -	443 SF. / 100 = 5		EQUIP. STOR * 27 -	163 SF. / 300 = 1	
<b>B. ASSEMBLY (A-2):</b>			C.U. / C.L. * 31 -	107 SF. / 300 = 1	
CONCIERGE LIVING / REC. * 20 - 673 SF. / 15 = 45			S.U. / S.L. * 32 -	107 SF. / 300 = 1	
CONCIERGE DINING * 21 - 655 SF. / 15 = 44			<b>E. EGRESS CAPACITY (ENTIRE FACILITY):</b>		
<b>C. INSTITUTIONAL (I-2):</b>			1. CORRIDORS: 36" WIDE / 02' = 480 PEOPLE		
SLEEPING AREAS: 18,508 SF. / 120 = 155			2. EXITS PROVIDED: 11		
IN-PATIENT TREATMENT: 3,030 SF. / 240 = 13 AREA			3. EXIT WIDTHS: 42" / 02' = 210 PEOPLE		
			4. EXIT CAPACITY: 210 X 11 = 2,310 PEOPLE		
			<b>F. RESIDENTIAL STORAGE (ENTIRE FACILITY):</b>		
			EXTERIOR STORAGE BUILDING		
			600 SF. / 106 = 5.66 SF. PER PERSON		

WALL RATING LEGEND			
	1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)		2-HOUR RATED FIREWALL / (2-HR. FW) SMOKE BARRIER
	1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NC88C		SMOKE RESISTANT INCIDENTAL WALL (SR W)



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

**EXIT LOCATION DESIGNATION**



PROJECT LIMITS:

THE EXISTING BUILDING IS A 10 BED NURSING HOME WITH 4 PRIVATE BEDROOMS AND 33 SEMI-PRIVATE BEDROOMS. SEE EXISTING BEDROOM MIX ON THIS SHEET. THE FACILITY HAS RECEIVED A CERTIFICATE OF NEED (CON NO. F-12234-22) TO ADD 36 NURSING HOME BEDS AND INCREASE IT'S LICENSURE TO 106 NURSING HOME BEDS. 24 NEW CON APPROVED BEDS WILL BE CONSTRUCTED AS NEW BEDROOM WINGS 600 AND 100 AS SHOWN ON SHEETS A-9 AND A-10. 12 NEW CON BEDS WILL BE CONSTRUCTED AS PART OF A NEW WING 400 AS SHOWN ON SHEET A-5.

THE PROJECT WILL ALSO INCLUDE THE CONSTRUCTION OF CON EXEMPT BEDROOMS ON NEW BEDROOM WING 400 (2 BEDROOMS), WING 500 (18 BEDROOMS), AND THE ADDITION OF ONE NEW CON EXEMPT BEDROOM ON WING 200 (SEE SHEET A-5).

AFTER COMPLETION OF ALL WING 200 RENOVATIONS AND CONSTRUCTION OF WINGS 400, 500, 600, AND 100, 21 EXISTING SEMI-PRIVATE BEDROOMS WILL BE CONVERTED TO PRIVATE BEDROOMS FOR A FINAL TOTAL OF 106 NURSING HOME BEDS. SEE FINAL BED MIX ON SHEET A-21.

CONSTRUCTION SEQUENCE:

A. WING 200 - RENOVATIONS / ADDITIONS / CONVERSIONS:  
(SHEETS A-3, A-4, AND A-5)

- STEP ONE: GENERAL CONTRACTOR TO COMPLETE RENOVATIONS DETAILED ON SHEET A-3 AS REQUIRED TO DEVELOP TWO NEW SEMI-PRIVATE BEDROOMS IN WING '200'. AFTER APPROVAL OF OCCUPANCY FOR THE NEW TWO BEDROOMS BY THE LOCAL AHJ AND DH&R CONSTRUCTION FOUR RESIDENTS FROM BEDROOMS \*206 AND \*208 WILL BE RELOCATED TO THE TWO NEW SEMI-PRIVATE BEDROOMS.
- STEP TWO: GENERAL CONTRACTOR TO DEVELOP A NEW TEMPORARY WING '200' EGRESS EXIT PRIOR TO START OF CONSTRUCTION OF ALL ADDITIONS AT WING '200'. REQUIREMENTS FOR THE NEW TEMPORARY EGRESS EXIT ARE DETAILED ON SHEET A-4. THE FACILITY WILL VACATE EXISTING BEDROOM \*210 PRIOR TO STEP TWO TEMPORARY EGRESS EXIT CONSTRUCTION. EXISTING BEDROOMS \*206 AND \*208 WILL BE VACATED AFTER COMPLETION OF STEP ONE AND WILL BE AVAILABLE TO COMPLETE RENOVATIONS DETAILED ON SHEET A-4.
- STEP THREE: AFTER COMPLETION AND APPROVAL OF STEP TWO TEMPORARY EGRESS EXIT AND CONSTRUCTION OF TWO TEMPORARY CONSTRUCTION BARRIERS, THE GENERAL CONTRACTOR SHALL BUILD WING '400', '500', AND '200' (ONE BEDROOM) ADDITIONS AS DETAILED ON ARCHITECTURAL SHEET A-5 FOR A TOTAL OF 33 NEW PRIVATE BEDROOMS.
- STEP FOUR: AFTER COMPLETION OF THE CONSTRUCTION OF 33 NEW PRIVATE BEDROOMS AND APPROVAL FOR OCCUPANCY BY THE LOCAL AHJ AND DH&R CONSTRUCTION, THE GENERAL CONTRACTOR SHALL CONVERT 21 EXISTING SEMI-PRIVATE BEDROOMS TO PRIVATE BEDROOMS. DETAILS FOR CONVERTING THE EXISTING SEMI-PRIVATE BEDROOMS TO PRIVATE BEDROOMS ARE SHOWN ON ARCHITECTURAL SHEET A-21.

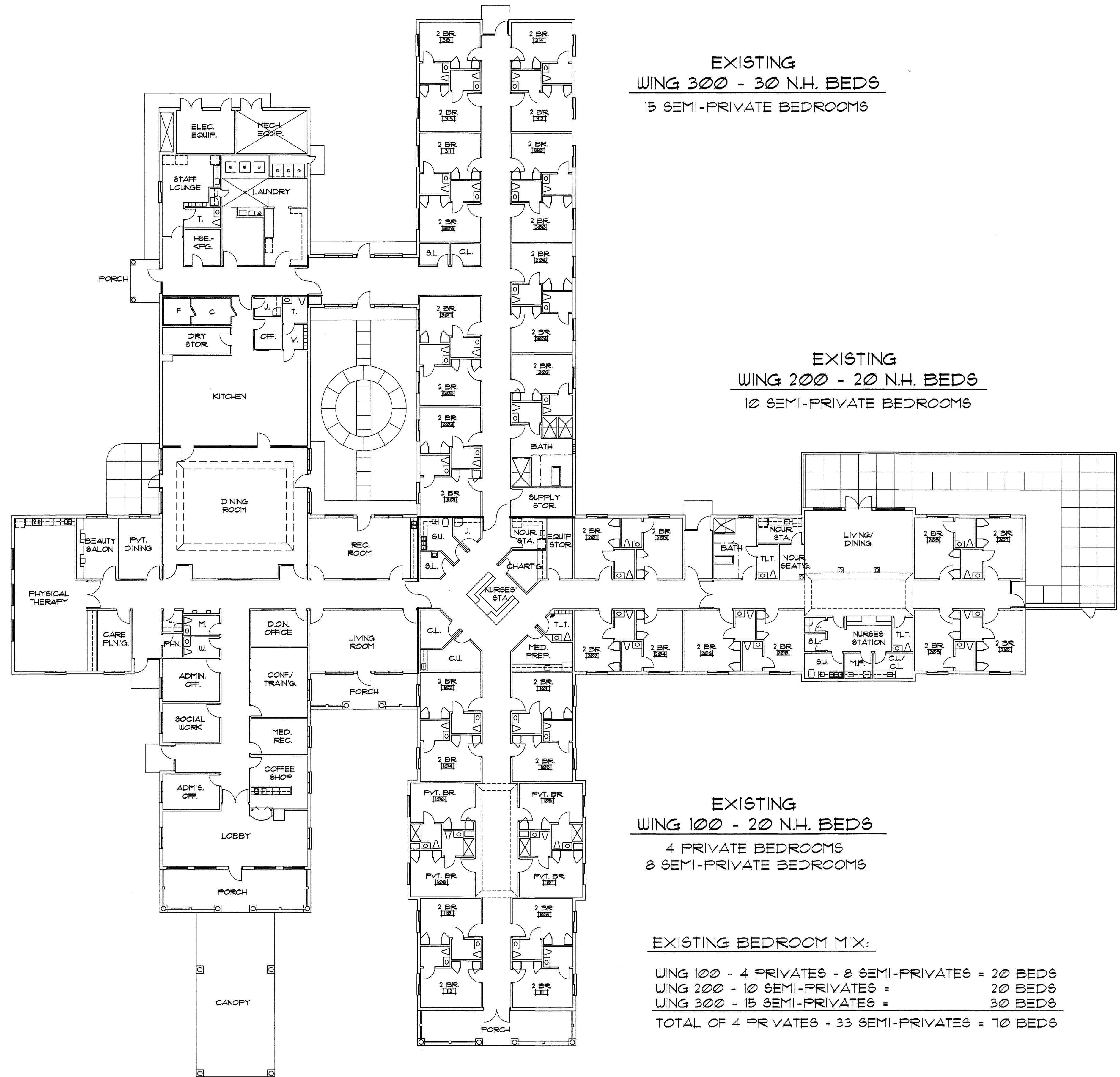
B. WINGS "600" AND "100" ADDITION (SHEETS A-8, A-9, AND A-10):

- STEP ONE: GENERAL CONTRACTOR TO DEVELOP NEW TEMPORARY EGRESS EXIT AT THE EXTERIOR END OF THE KITCHEN SERVICE CORRIDOR AND AS DETAILED ON ARCHITECTURAL SHEET A-8. AFTER APPROVAL OF THE NEW TEMPORARY EGRESS EXIT THE CONTRACTOR SHALL DEVELOP A TEMPORARY CONSTRUCTION BARRIER AFTER REMOVAL OF THE EXISTING EXTERIOR DOOR. THE GENERAL CONTRACTOR SHALL ALSO BUILD A TEMPORARY CONSTRUCTION BARRIER AT THE DINING ROOM CORRIDOR AS DETAILED ON ARCHITECTURAL SHEET A-8. THE CONTRACTOR TO INSURE THE DEAD END CORRIDOR LENGTH AFTER CONSTRUCTION OF THE TEMPORARY BARRIER IS LESS THAN 20 FEET.
- STEP TWO: GENERAL CONTRACTOR TO CONSTRUCT NEW WINGS "600" AND "100" AS DETAILED ON ARCHITECTURAL SHEETS A-9 AND A-10.

C. SEMI-PRIVATE BEDROOMS CONVERSION (SHEET A-21):

- AFTER OBTAINING A CERTIFICATE OF OCCUPANCY AND DH&R CONSTRUCTION OCCUPANCY APPROVAL FOR WING 200 RENOVATIONS, AND CONSTRUCTION OF NEW BEDROOM WINGS 400, 500, 600, AND 100, 21 EXISTING BEDROOMS TO BE CONVERTED FROM SEMI-PRIVATE BEDROOMS TO PRIVATE BEDROOMS. SEE SHEET A-21.

SEE SHEET A-2 FOR COMPOSITE FLOOR PLAN AFTER ALL RENOVATIONS, ADDITIONS, AND BEDROOM CONVERSIONS.



EXISTING  
WING 300 - 30 N.H. BEDS  
15 SEMI-PRIVATE BEDROOMS

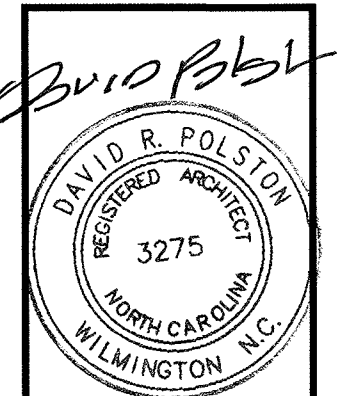
EXISTING  
WING 200 - 20 N.H. BEDS  
10 SEMI-PRIVATE BEDROOMS

EXISTING  
WING 100 - 20 N.H. BEDS  
4 PRIVATE BEDROOMS  
8 SEMI-PRIVATE BEDROOMS

EXISTING BEDROOM MIX:

WING 100 - 4 PRIVATES + 8 SEMI-PRIVATES = 20 BEDS  
WING 200 - 10 SEMI-PRIVATES = 20 BEDS  
WING 300 - 15 SEMI-PRIVATES = 30 BEDS  
TOTAL OF 4 PRIVATES + 33 SEMI-PRIVATES = 70 BEDS





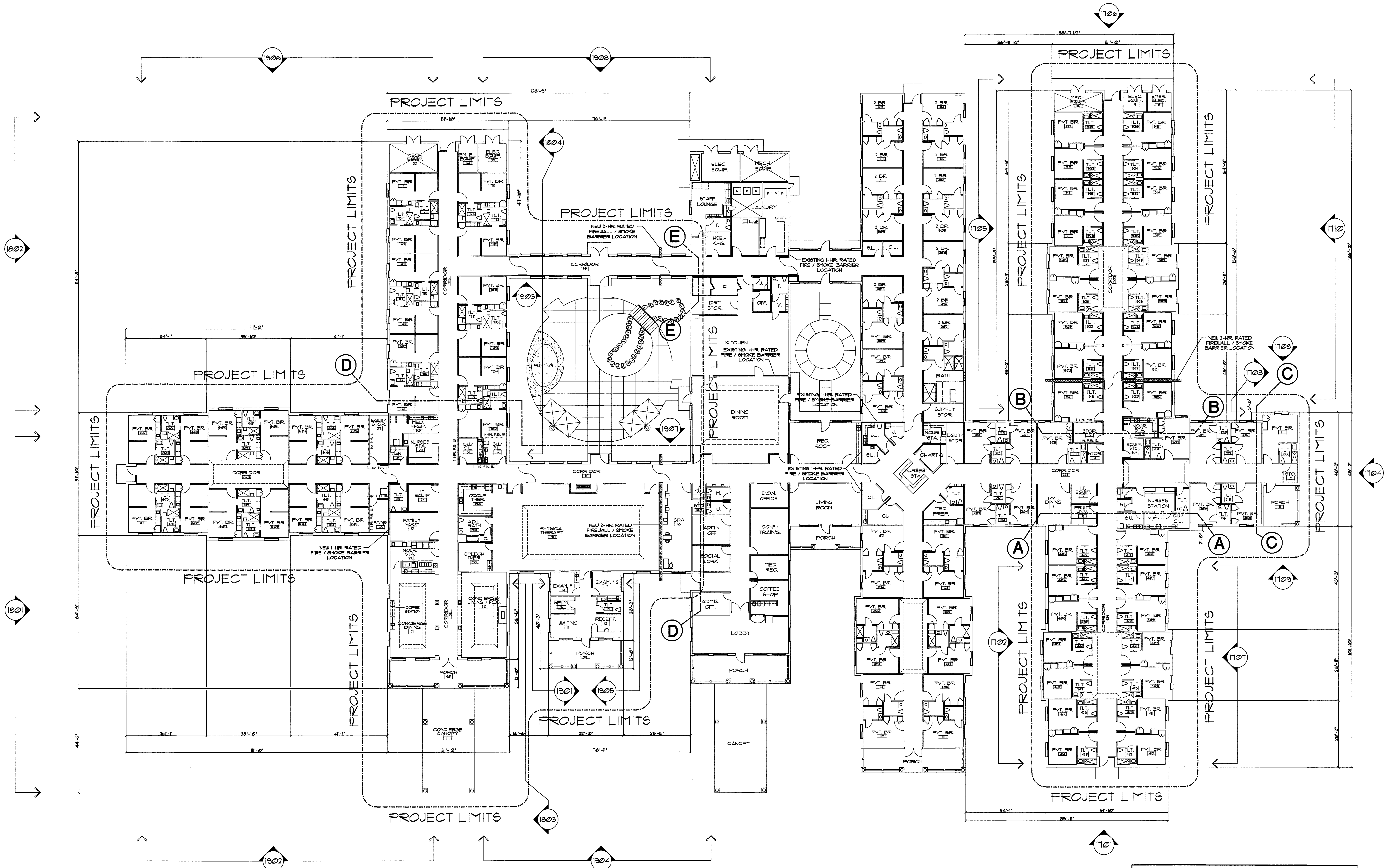
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Architecture Planning Design

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A**  
**2**



**(201) FLOOR PLAN**  
SCALE: 1" = 20'-0"  
**COMPOSITE FLOOR PLAN WITH BUILDING ADDITIONS**

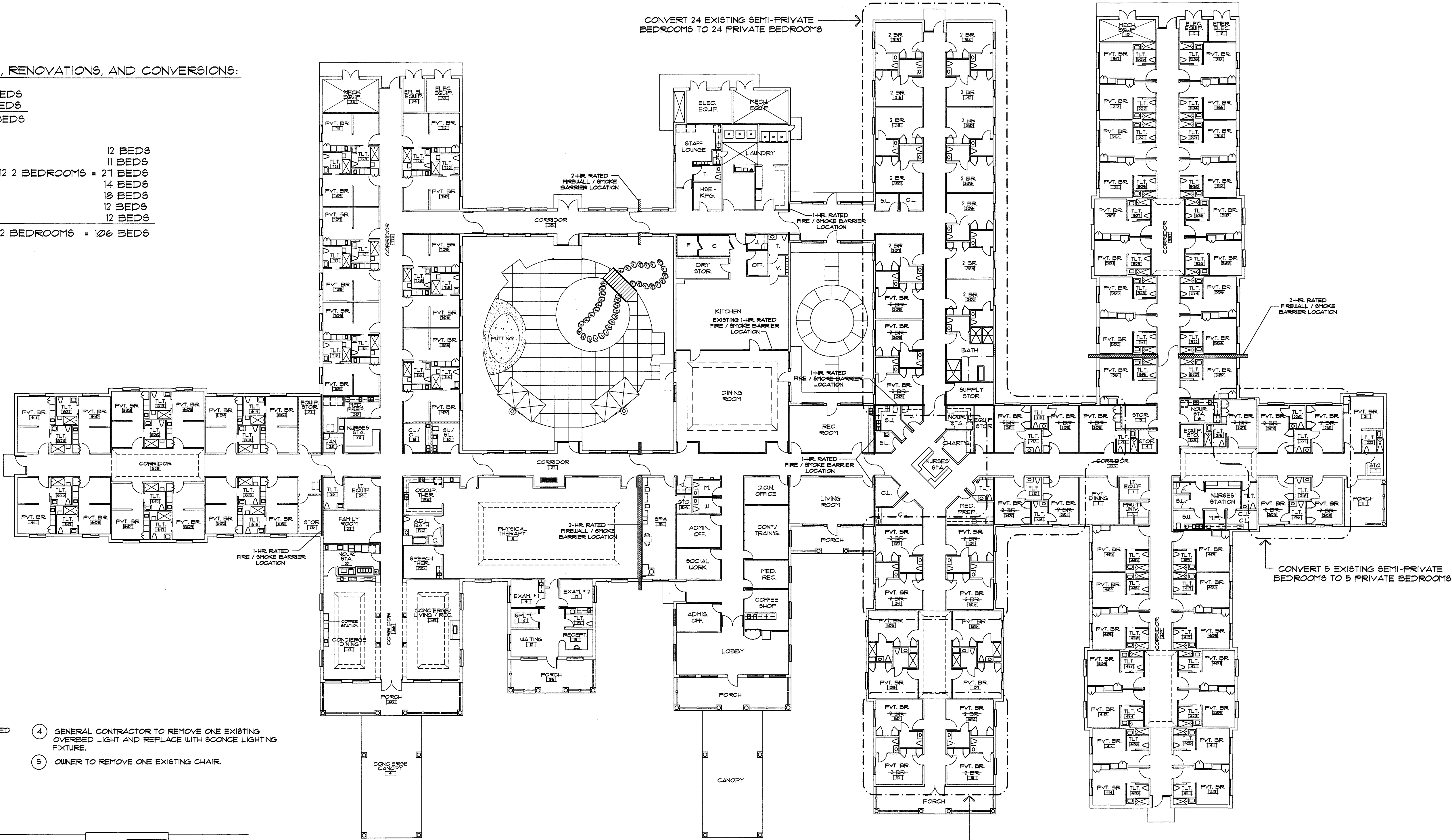
WALL RATING LEGEND	
	1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
	1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 509 NCBC
	2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
	SMOKE RESISTANT INCIDENTAL WALL (SR W)



BEDROOM MIX AFTER CONSTRUCTION, RENOVATIONS, AND CONVERSIONS:

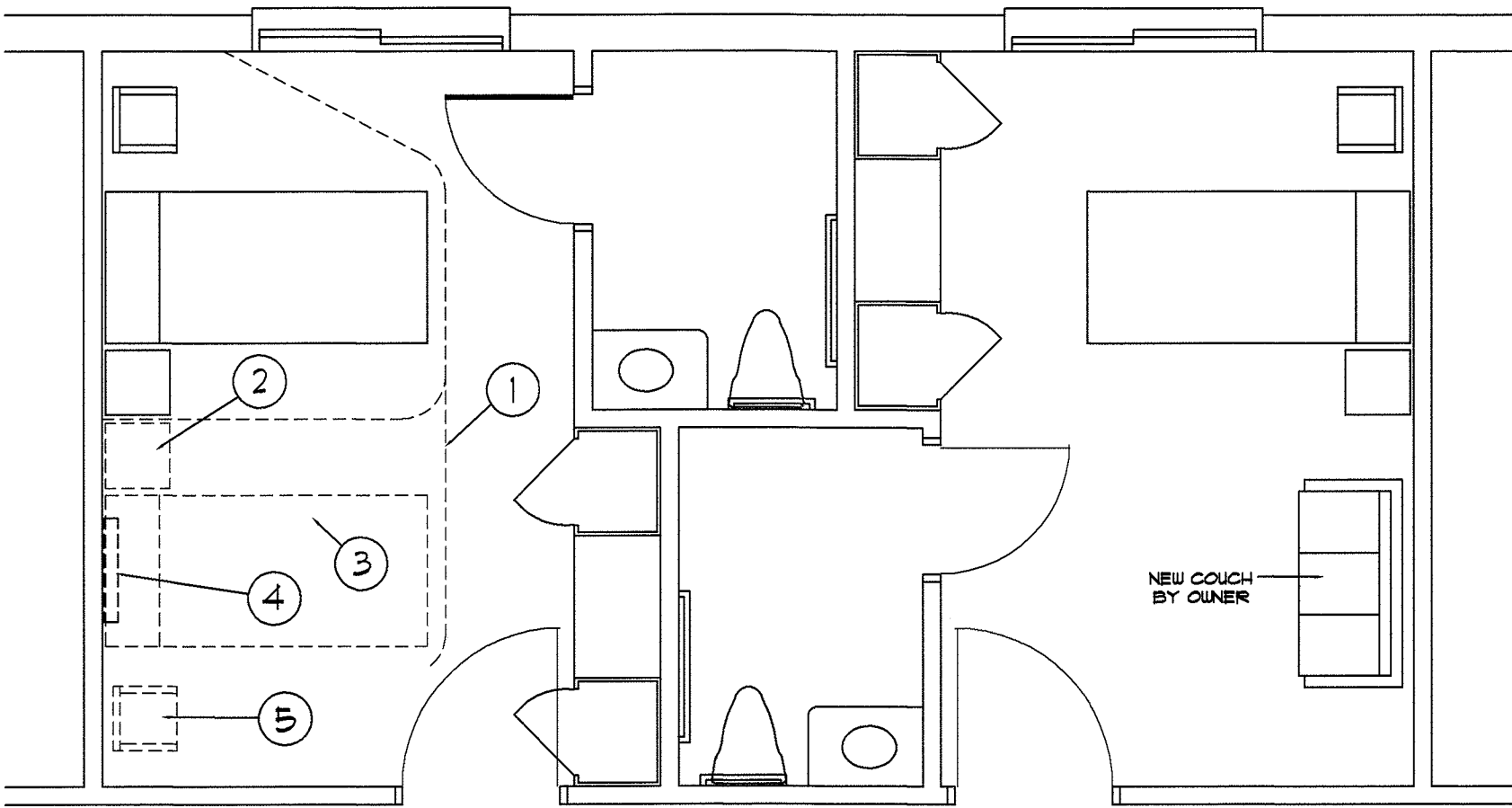
CURRENT LICENSED BEDS - 70 N.H. BEDS  
CON ADDITION BEDS - 36 N.H. BEDS  
TOTAL - 106 N.H. BEDS

WING 100 - 12 PRIVATE BEDROOMS = 12 BEDS  
WING 200 - 11 PRIVATE BEDROOMS = 11 BEDS  
WING 300 - 3 PRIVATE BEDROOMS + 12 2 BEDROOMS = 27 BEDS  
WING 400 - 14 PRIVATE BEDROOMS = 14 BEDS  
WING 500 - 18 PRIVATE BEDROOMS = 18 BEDS  
WING 600 - 12 PRIVATE BEDROOMS = 12 BEDS  
WING 700 - 12 PRIVATE BEDROOMS = 12 BEDS  
TOTAL - 82 PRIVATE BEDROOMS + 12 2 BEDROOMS = 106 BEDS



TYPICAL BEDROOM CONVERSION NOTES:

1. GENERAL CONTRACTOR TO REMOVE EXISTING CEILING MOUNTED PRIVACY CURTAIN TRACKS. SEAL ALL CEILING GULLY HOLES WITH FIRE CAULK AND PAINT / FINISH TO MATCH EXISTING CEILING.
2. OWNER TO REMOVE ONE EXISTING NIGHT STAND.
3. OWNER TO REMOVE ONE EXISTING BED
4. GENERAL CONTRACTOR TO REMOVE ONE EXISTING OVERSIZED LIGHT AND REPLACE WITH SCONCE LIGHTING FIXTURE.
5. OWNER TO REMOVE ONE EXISTING CHAIR



TYPICAL EXISTING SEMI-PRIVATE BEDROOM LAYOUT

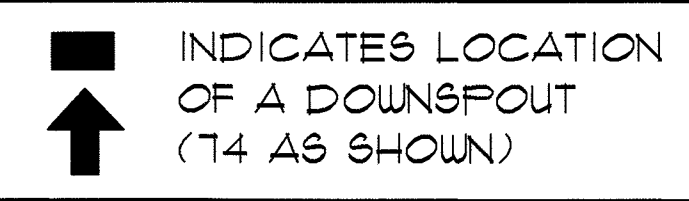
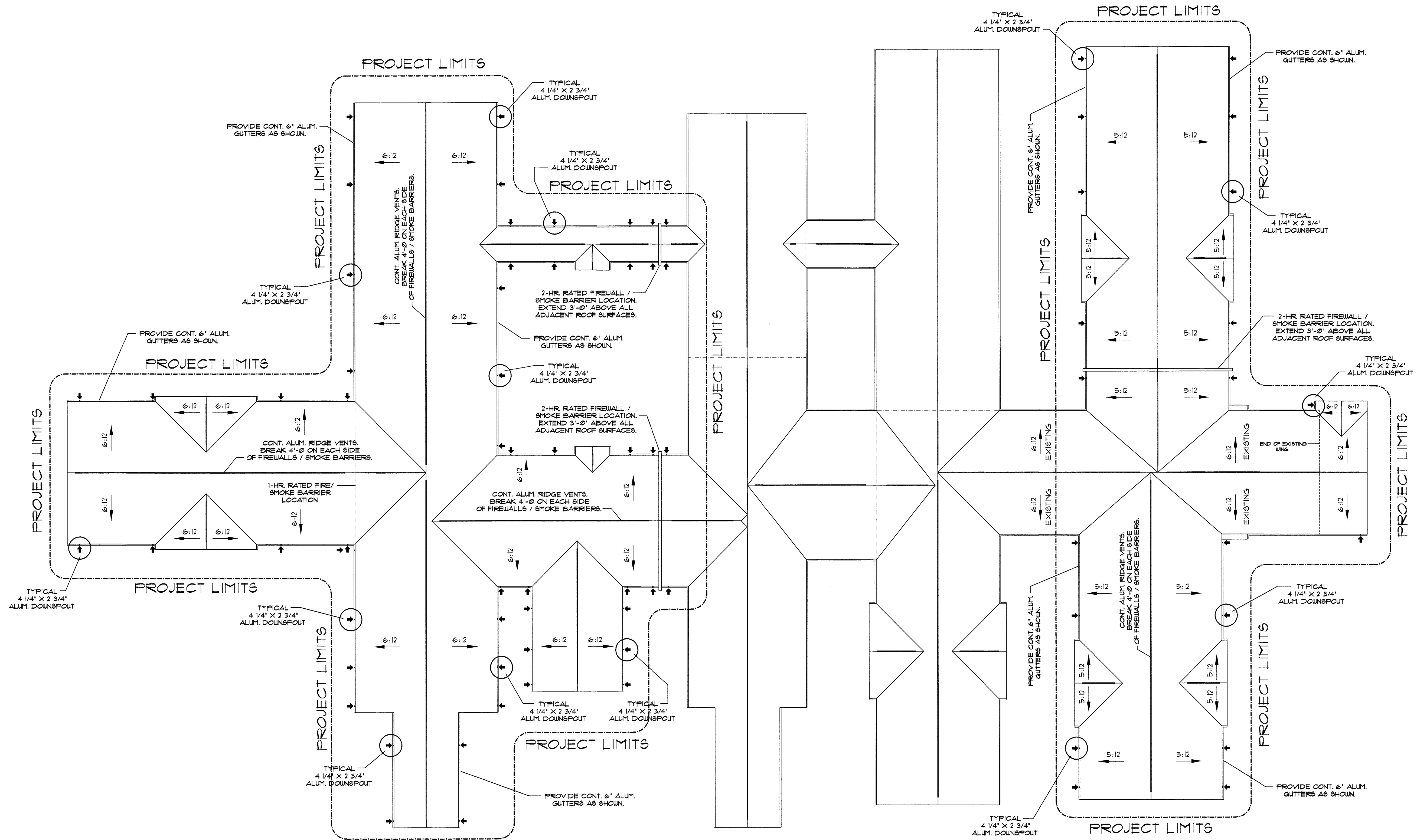
AFTER CONVERSION TO PRIVATE BEDROOM

AFTER COMPLETION OF WINGS "200", "400", AND "500" ADDITIONS AND APPROVAL BY LOCAL AHJ AND DH&R CONSTRUCTION SECTION, GENERAL CONTRACTOR TO CONVERT 21 EXISTING SEMI-PRIVATE BEDROOMS TO PRIVATE BEDROOMS. SEE PLAN # 2.102 THIS SHEET FOR CONVERSION REQUIREMENTS.

BEDROOMS TO BE CONVERTED:

\* 101, \* 102, \* 103, \* 104, \* 109, \* 110, \* 111, \* 112, \* 201, \* 202, \* 203, \* 204, \* 205, \* 206, \* 207, \* 208, \* 209, \* 210, \* 301, \* 302, \* 303, AND \* 305.

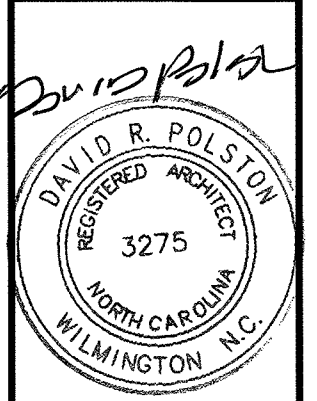




**GUTTER AND DOWNSPOUTS NOTES:**

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.

CONTRACTOR AND TRUSS MANUFACTURER TO VERIFY ALL EXISTING ROOF PITCHES PRIOR TO TRUSS FABRICATION.



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**TOWN CENTER**  
Harrisburg, North Carolina

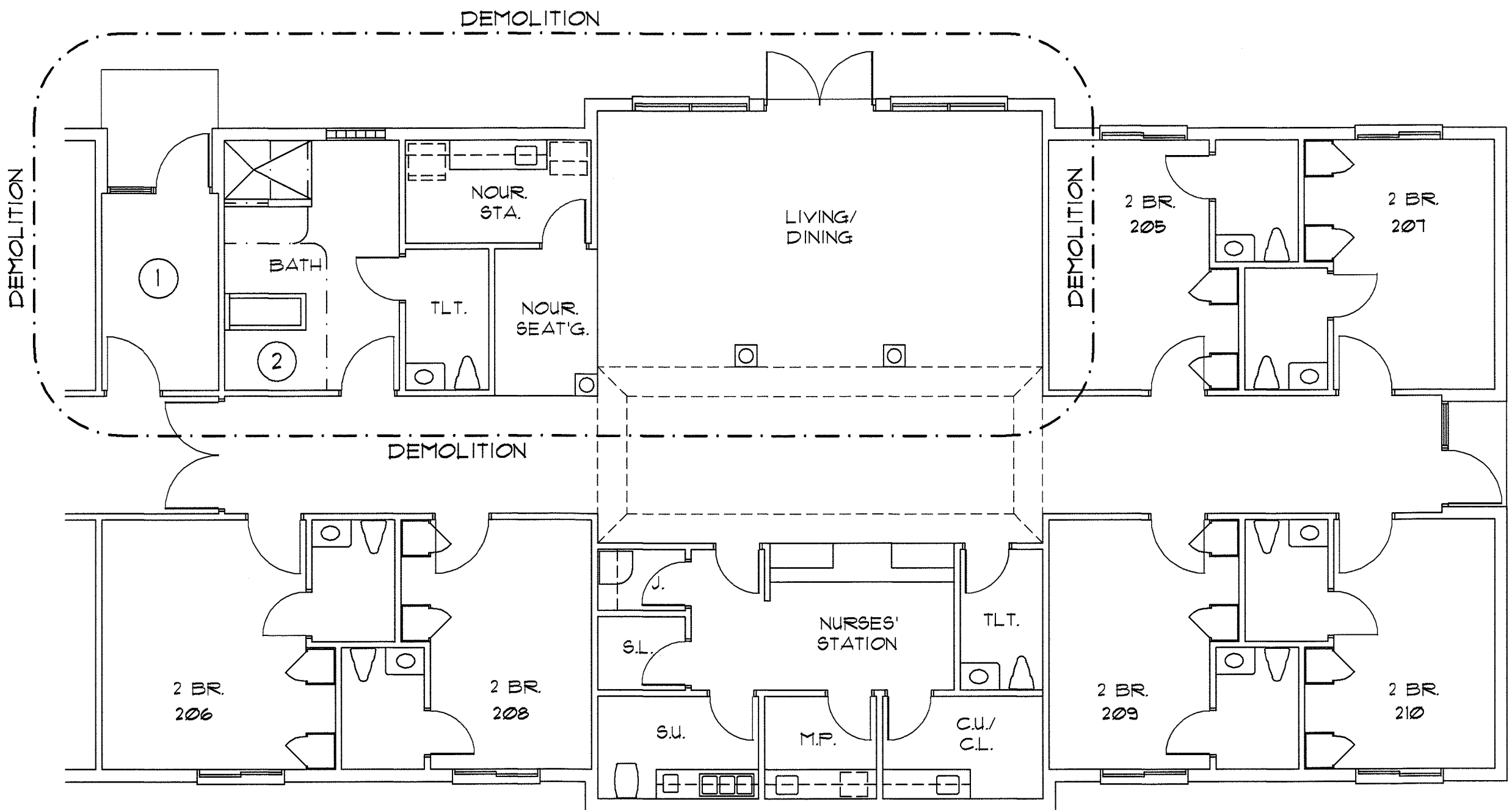
**David R. Polston - Architect**  
3806 Park Ave. Suite C, Wilmington, NC 28403  
Architecture Planning Design

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A**  
**2.2**



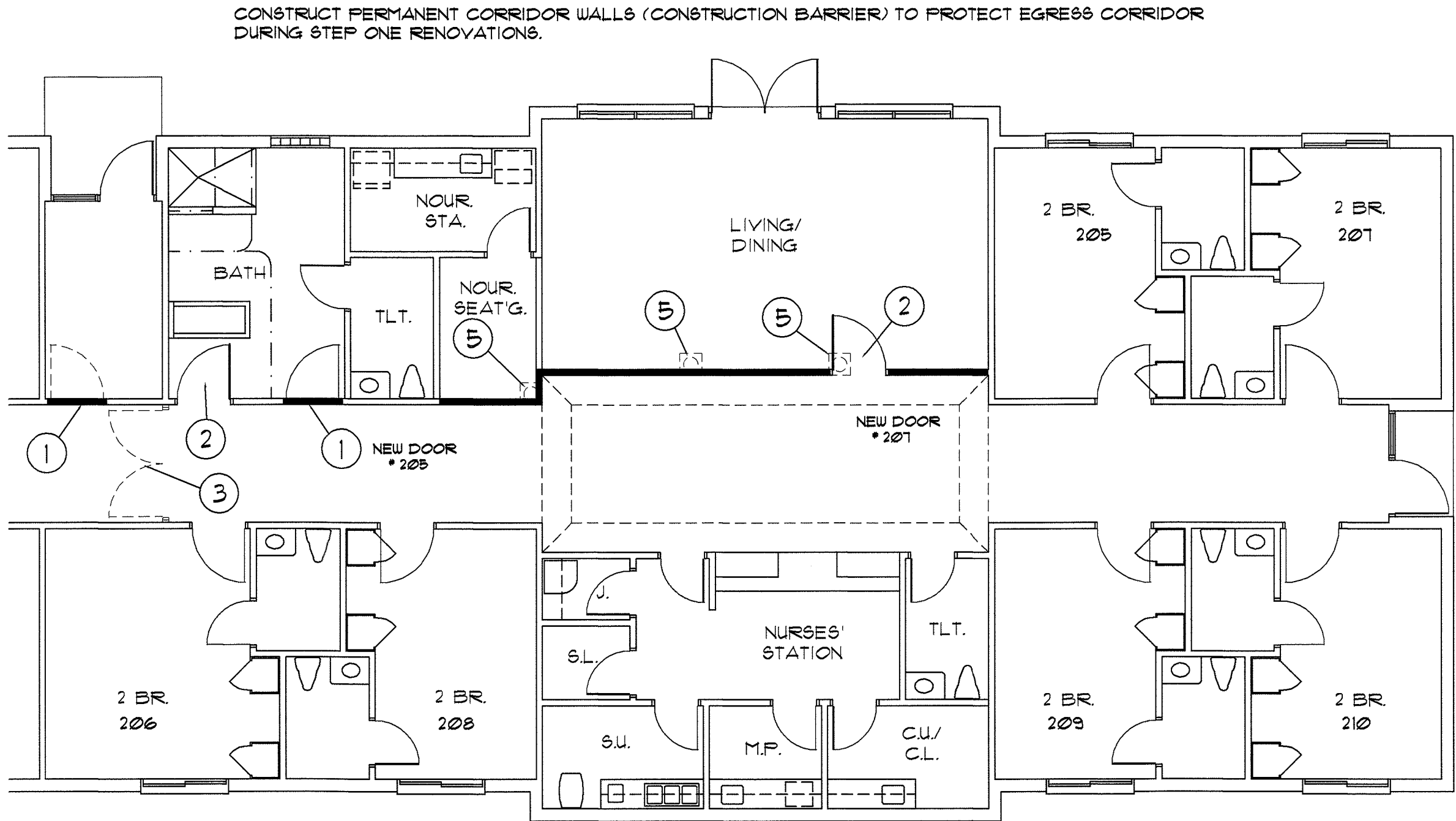
WING "200" RENOVATION / ADDITION - STEP ONE - DEVELOP TWO NEW SEMI-PRIVATE BEDROOMS FOR RELOCATION OF FOUR RESIDENTS.



NOTES:

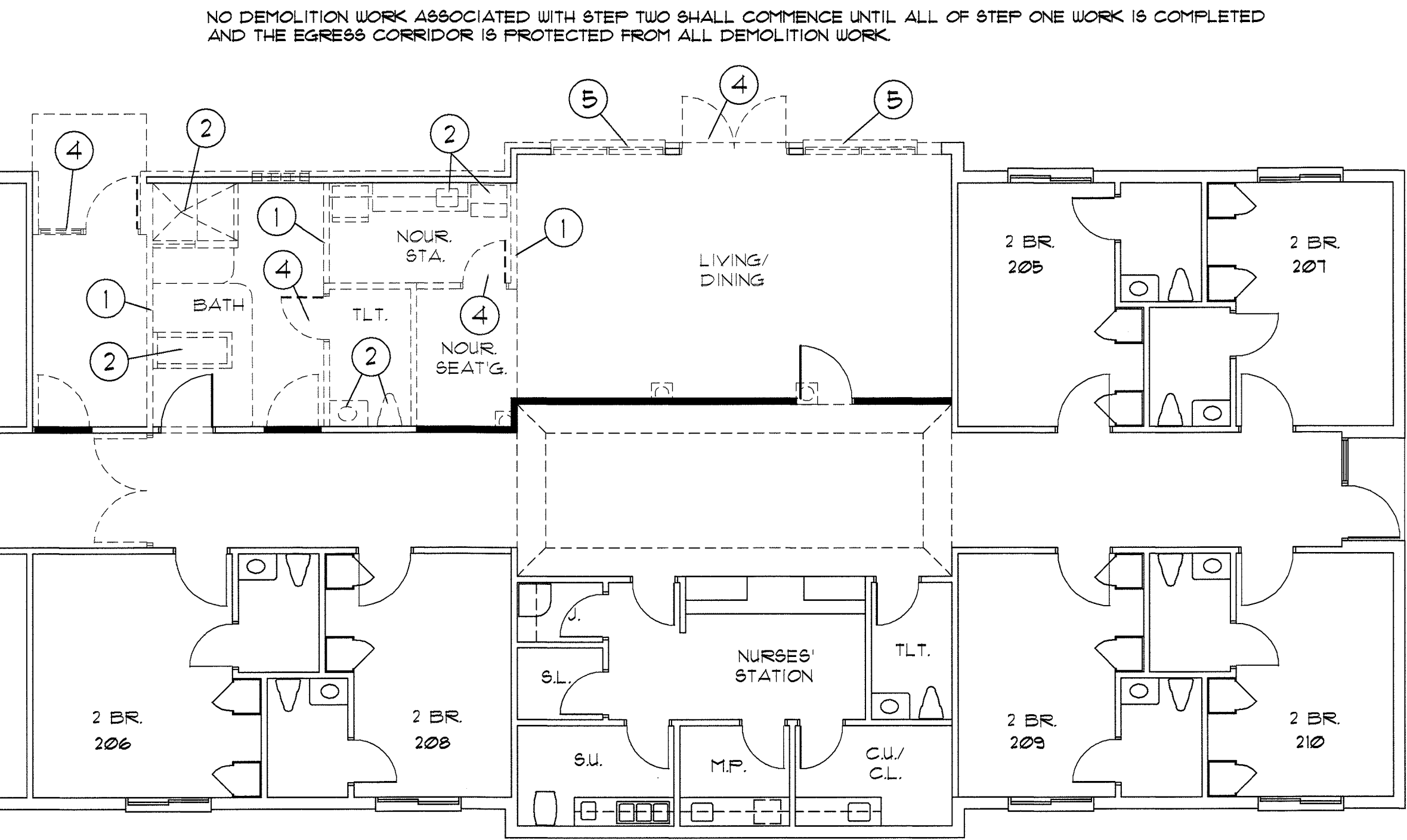
- 1 REFER TO SHEET L6-1 FOR EXISTING EGRESS TRAVEL DISTANCES BETWEEN WING "200" AND WING "300" EXIT DOORS. ELIMINATION OF THE EXISTING EGRESS EXIT AT THE MIDDLE OF WING "200" STILL COMPLIES WITH 200' TRAVEL DISTANCE TO AN EXIT DOOR. SEE L6-2.
- 2 WING "100" HAS A CENTRAL BATH WITH THREE SHOWERS AND A THREE SIDED TUB. THE "100" WING THREE SIDED TUB BY LICENSE RULES WILL ACCOMMODATE 120 RESIDENTS. THEREFORE, THE "200" WING TUB CAN BE ELIMINATED. TOTAL NH. LICENSED BEDS AT END OF CONSTRUCTION WILL BE 106 BEDS.

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



- 1 REMOVE EXISTING DOOR / FRAME, INFILL OPENING WITH 2" X 4" WOOD STUDS AT 16" O.C. AND 5/8" FIRECODE TYPE "X" ON EACH SIDE OF STUDS. FINISH NEW G.W.B. TO MATCH EXISTING CORRIDOR FINISHES.
- 2 INSTALL NEW 3'-8" WIDE X 1'-0" HIGH X 1 3/4" THICK SOLID CORE WOOD DOOR WITH HWM. FRAME, HARDWARE TO INCLUDE LEVER HANDLE PASSAGE LOCKSET, OFFSET HINGES, AND DOOR SILENCERS.
- 3 REMOVE EXISTING DOORS AND FRAME. PATCH EXISTING CORRIDOR G.W.B. AND FINISH TO MATCH EXISTING CORRIDOR FINISHES.
- 4 CONSTRUCT NEW SMOKE RESISTANT PARTITION FROM FLOOR TO CEILING WITH 2" X 4" WOOD STUDS AT 16" O.C. AND 5/8" FIRECODE TYPE "X" G.W.B. ON EACH SIDE OF STUDS. FINISH NEW G.W.B. TO MATCH EXISTING CORRIDOR FINISHES.
- 5 REMOVE EXISTING DECORATIVE COLUMNS AND BASES.

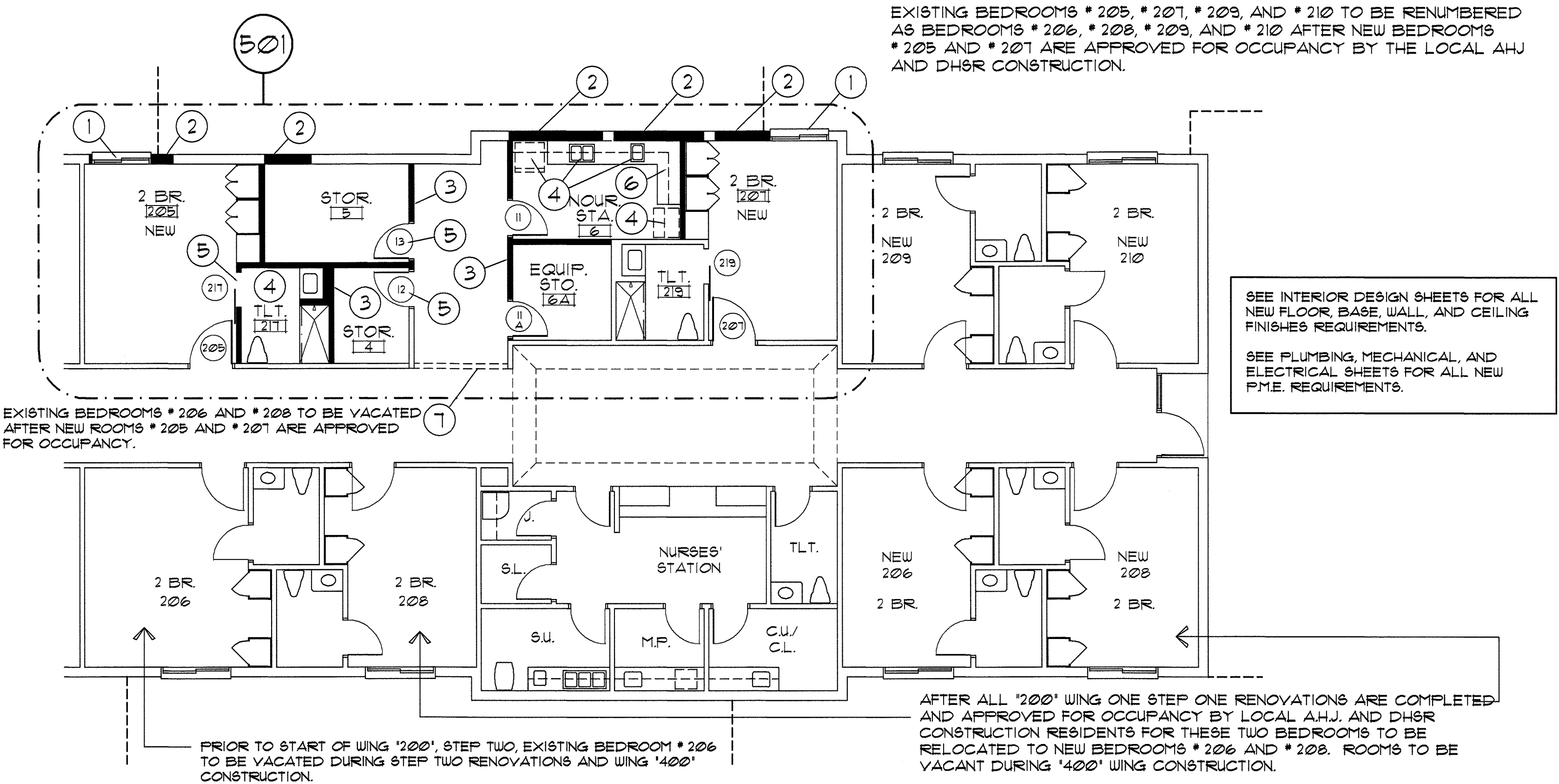
302 FLOOR PLAN DEMOLITION - CONSTRUCTION BARRIER  
SCALE: 1/8" = 1'-0"



- 1 REMOVE EXISTING PARTITIONS, PATCH CEILING WITH (2) LAYERS OF 5/8" FIRECODE TYPE "X" G.W.B. TO MATCH EXISTING 1-HOUR ROOF / CEILING ASSEMBLY.
- 2 REMOVE EXISTING PLUMBING FIXTURE, CAP DRAIN IN FLOOR AND WATERLINES ABOVE CEILING.
- 3 REMOVE EXISTING BASE AND WALL CABINETS. PATCH WALL TO MATCH EXISTING.
- 4 REMOVE EXISTING DOOR AND FRAME.
- 5 REMOVE EXISTING EXTERIOR WINDOWS.

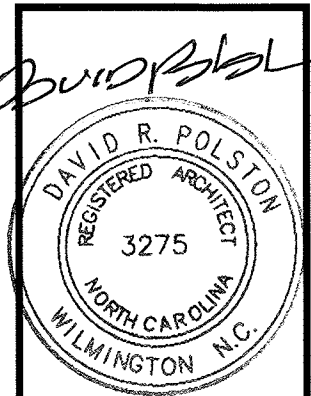
SEE PLUMBING, MECHANICAL, AND ELECTRICAL SHEETS FOR P.M.E. DEMOLITION REQUIREMENTS.

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



- 1 INSTALL NEW OPERABLE SLIDER WINDOW - SEE WINDOW SCHEDULE.
- 2 INFILL OPENING WITH 2" X 4" WOOD STUDS AT 16" O.C. AND 5/8" FIRECODE G.W.B. ON EACH SIDE.
- 3 CONSTRUCT NEW FLOOR TO CEILING PARTITIONS WITH 2" X 4" WOOD STUDS AT 16" O.C. WITH 5/8" FIRECODE G.W.B. ON EACH SIDE.
- 4 INSTALL NEW PLUMBING FIXTURES (SEE PLUMBING SHEETS).
- 5 INSTALL NEW DOOR AND FRAME (SEE DOOR AND FRAME SCHEDULE).
- 6 INSTALL NEW BASE AND WALL CABINETS (SEE ELEVATION #605).
- 7 AFTER COMPLETION OF ALL INTERIOR RENOVATIONS, REMOVE 8'-0" WIDE X FLOOR TO CEILING SECTION OF WALL. PATCH ADJACENT G.W.B. AND FINISH TO MATCH EXISTING CORRIDOR FINISHES.

304 FLOOR PLAN PARTIAL PLAN - RENOVATED AREA  
SCALE: 1/8" = 1'-0"



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51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

A  
3



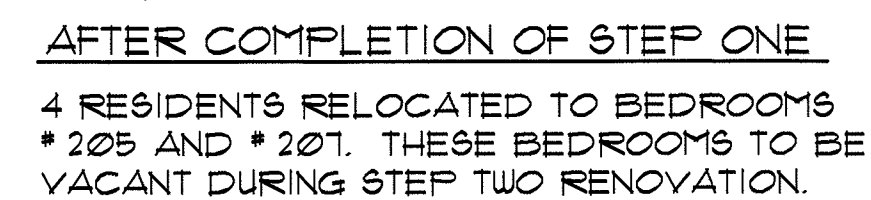
DAVID R. POLSTON  
REGISTERED ARCHITECT  
3275  
NORTH CAROLINA  
WILMINGTON, N.C.

**PRUITT HEALTH  
TOWN CENTER**  
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51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A  
4**



BEDROOM # 208 TO BE VACATED PRIOR TO RENOVATIONS TO DEVELOP TEMPORARY EGRESS EXIT PRIOR TO CONSTRUCTION OF ADDITIONS.

The floor plan illustrates a hospital wing layout with various rooms and corridors. Key areas include:

- Wing "500" Addition:** Located at the top left, containing rooms 2 BR. [205], STOR. [5], TLT. [21], and STOR. [4].
- Wing "400" Addition:** Located at the bottom left, containing PVT. DINING, I.T. EQUIP. [2], FRUIT UNIV. [3], and a corridor.
- Central Corridor:** A vertical corridor connecting the two wings.
- Central Rooms:** NUR. STA. [6], EQUIP. STO. [6A], TLT. [21B], 2 BR. [201], 2 BR. [20], 2 BR. [202], 2 BR. [203], 2 BR. [204], 2 BR. [205], 2 BR. [206], 2 BR. [207], 2 BR. [208], 2 BR. [209], 2 BR. [210], 2 BR. [211], 2 BR. [212], 2 BR. [213], 2 BR. [214], 2 BR. [215], 2 BR. [216], 2 BR. [217], 2 BR. [218], 2 BR. [219], 2 BR. [220], 2 BR. [221], 2 BR. [222], 2 BR. [223], 2 BR. [224], 2 BR. [225], 2 BR. [226], 2 BR. [227], 2 BR. [228], 2 BR. [229], 2 BR. [230], 2 BR. [231], 2 BR. [232], 2 BR. [233], 2 BR. [234], 2 BR. [235], 2 BR. [236], 2 BR. [237], 2 BR. [238], 2 BR. [239], 2 BR. [240], 2 BR. [241], 2 BR. [242], 2 BR. [243], 2 BR. [244], 2 BR. [245], 2 BR. [246], 2 BR. [247], 2 BR. [248], 2 BR. [249], 2 BR. [250], 2 BR. [251], 2 BR. [252], 2 BR. [253], 2 BR. [254], 2 BR. [255], 2 BR. [256], 2 BR. [257], 2 BR. [258], 2 BR. [259], 2 BR. [260], 2 BR. [261], 2 BR. [262], 2 BR. [263], 2 BR. [264], 2 BR. [265], 2 BR. [266], 2 BR. [267], 2 BR. [268], 2 BR. [269], 2 BR. [270], 2 BR. 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- ① NEW 2' X 4' WALL, FLOOR TO CEILING, 2' X 4' WOOD STUDS WITH PAINTED 5/8" FIRECODE G.W.B. ON EACH SIDE. FINISH TO MATCH ADJACENT FINISHES.
- ② INSTALL NEW DOOR AND FRAME. SEE SHEET A-15.
- ③ REPLACE EXISTING DOOR. SEE SHEET A-15.
- ④ INFILL EXISTING OPENING WITH 2' X 4' STUDS AT 16" O.C. WITH PAINTED 5/8" FIRECODE G.W.B. ON EACH SIDE. FINISH TO MATCH ADJACENT FINISHES.

DEMOLITION NOTES:

- ① REMOVE EXISTING EXTERIOR WINDOW.
- ② REMOVE EXISTING WALL SECTION. PATCH CEILING WITH TWO LAYERS OF 5/8" FIRECODE G.I.B. TO MATCH EXISTING.
- ③ REMOVE EXISTING DOOR AND FRAME.
- ④ REMOVE EXISTING PLUMBING FIXTURES AND VANITY. CAP SEWER DRAIN UNDER FLOOR SLAB. CAP HOT / COLD WATER LINES ABOVE CEILING IN ATTIC.
- ⑤ QUINER TO REMOVE EXISTING WARDROBE AND DRESSER FURNITURE.

SEE DETAIL # 404 FOR TEMPORARY  
EXIT CONSTRUCTION NOTES AND  
REQUIREMENTS.

WING "500" ADDITION

2 BR [202]

STOR [15]

1-HR FB. [11]

TLT. [211]

STOR [4]

CORRIDOR

NOUR. STA. [6]

EQUIP. STO. [6A]

TLT. [219]

2 BR [201]

2 BR [203]

2 BR [210]

CORRIDOR

PVT. DINING [1]

IT. EQUIP. [2]

FRUIT UNIV. [3]

CORRIDOR

NURSES' STATION

TLT.

2 BR [202]

2 BR VACANT

M.P.

C.U./C.L.

1

2

3

4

5

6

7

8

9

10





LIBRARY EXIT NOTES:

- 1 REMOVE EXTERIOR WINDOW UNIT.
- 2 INSTALL TEMPORARY 3'-8" WIDE DOOR WITH STUD INFILL ON SIDES.
- 3 INSTALL TEMPORARY EXIT LIGHTS FOR EGRESS DIRECTION.
- 4 SWITCH EXISTING CEILING LIGHTING FROM NORMAL ELECTRICAL CIRCUIT TO LIGHT SAFETY CIRCUIT.
- 5 INSTALL TEMPORARY FIRE ALARM FULL STATION AT TEMPORARY EGRESS DOOR.
- 6 PROVIDE HARD SURFACE EGRESS PATHWAY FROM TEMPORARY EXIT DOOR TO PUBLIC WAY.
- 7 PROVIDE EXTERIOR LIGHTING ON THE LIFE SAFETY BRANCH TO ILLUMINATE EXTERIOR EGRESS PATHWAY.

- ⑧ REMOVE BRICK VENEER AT EACH DOOR  
ALCOVE WALL.
- ⑨ REMOVE EXISTING EXISTING DOOR AND  
STOREFRONT.
- ⑩ INSTALL CONSTRUCTION BARRIER ACROSS CORRIDOR  
WITH 2" x 4" WOOD STUDS AT 16' O.C. AND 5/8" FIRECORE  
G.W.B. ON EACH SIDE.

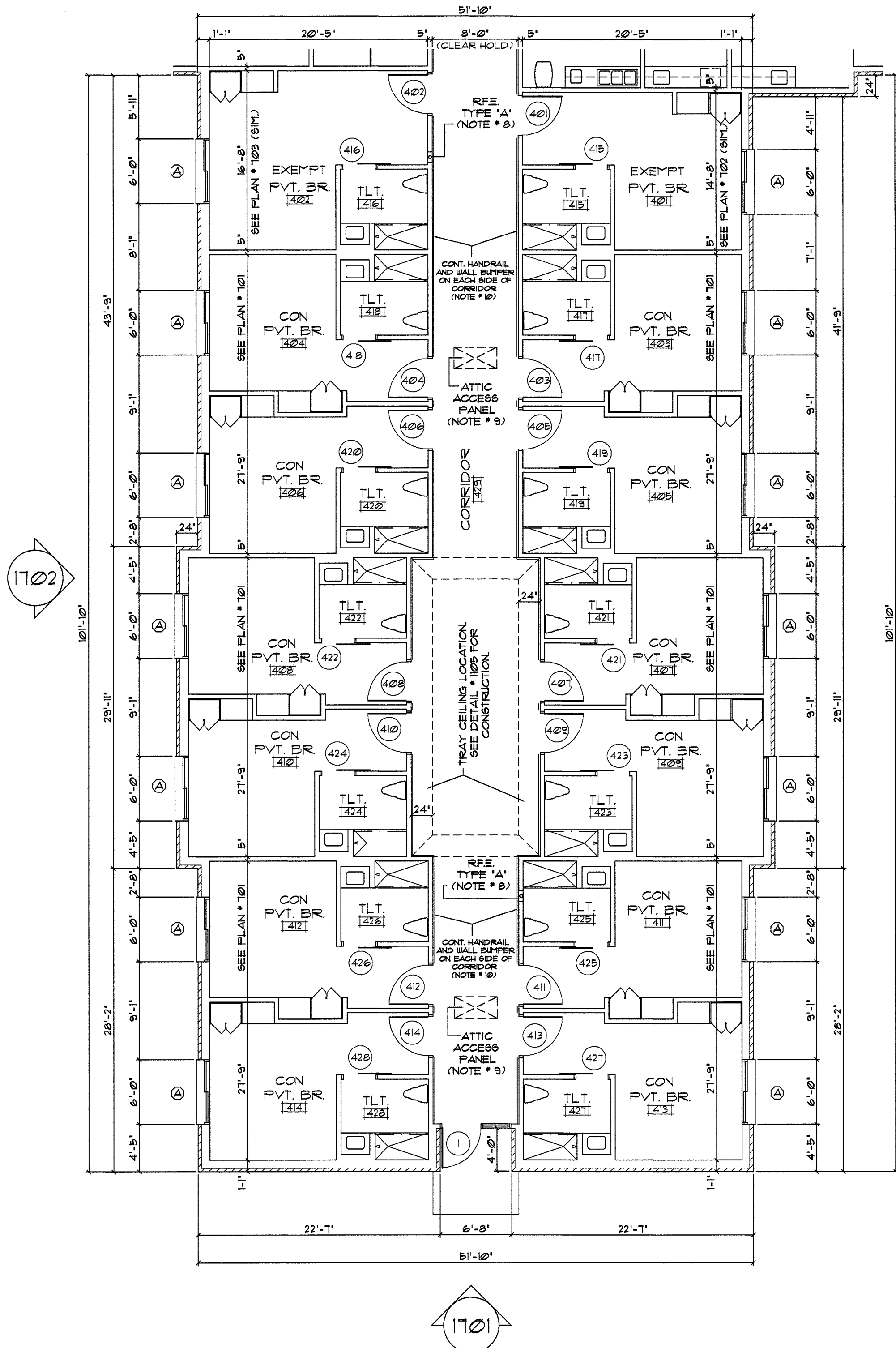
**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



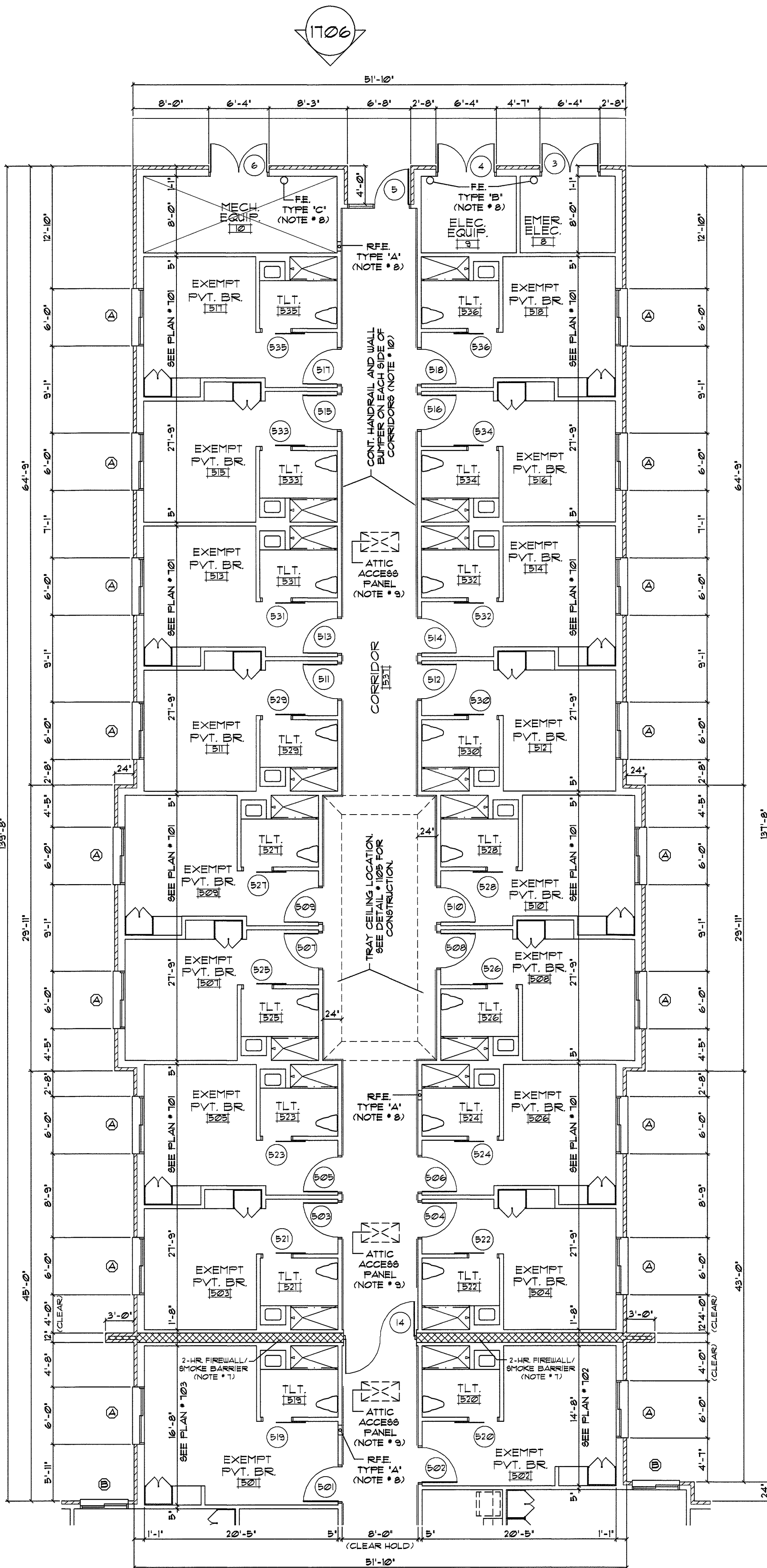
WALL RATING LEGEND	
	1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)
	1-HOUR FIRE BARRIER WALL (1-HR. FB W) REQUIRED BY TABLE 503 NCBC
	2-HOUR RATED FIREWALL / (2-HR. F.W.) SMOKE BARRIER
	SMOKE RESISTANT INCIDENTAL WALL (SR W)

BEDROOMS \* 403, \* 404, \* 405, \* 406, \* 407, \* 408, \* 409, \* 410, \* 411, \* 412, \* 413, AND \* 414 ARE PART OF APPROVED CON F-12234-22.

BEDROOMS \* 401 AND \* 402 ARE EXEMPT FROM CON APPROVAL.



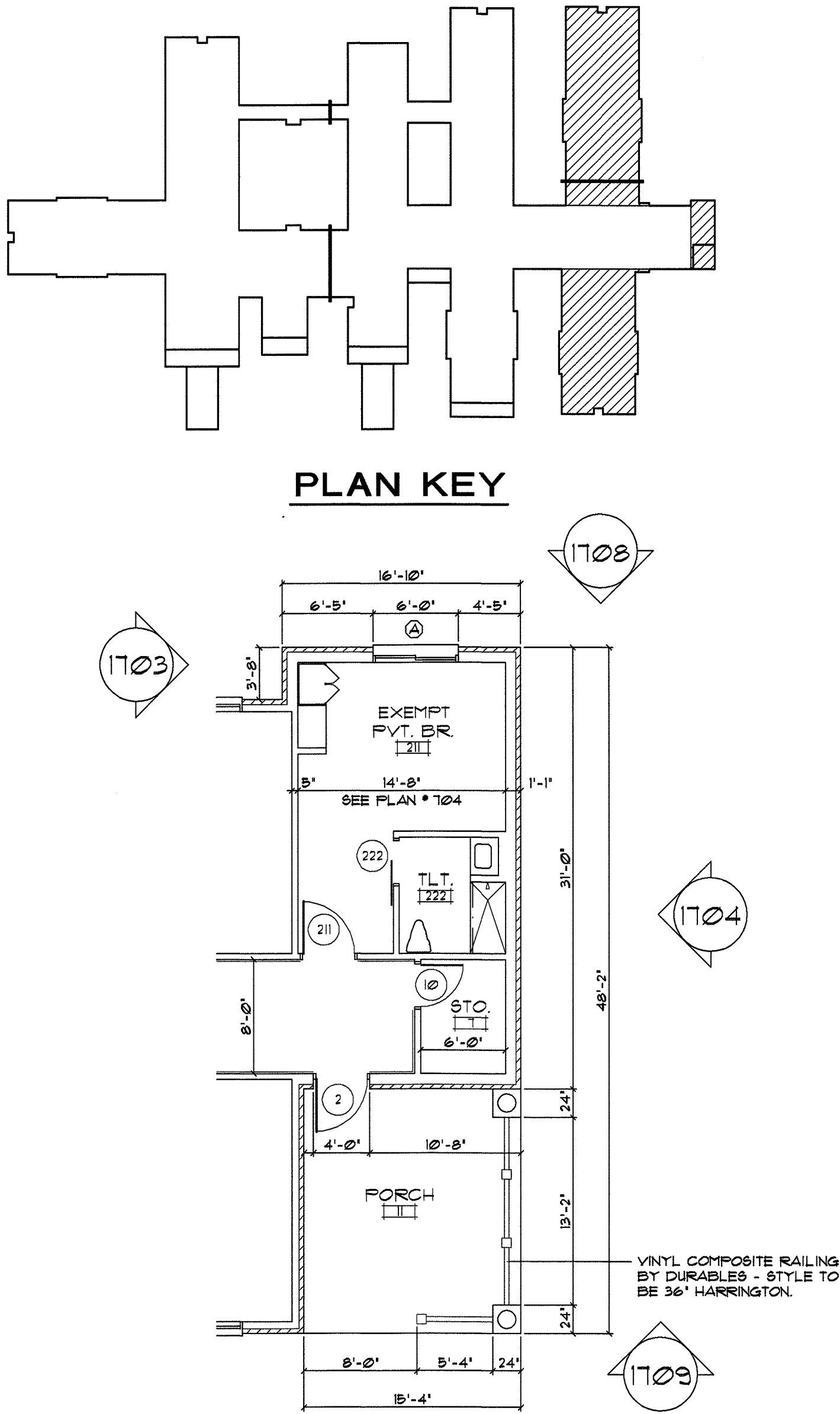
**501 FLOOR PLAN** PARTIAL PLAN - BUILDING ADDITION  
SCALE: 1/8" = 1'-0"  
WING "400"



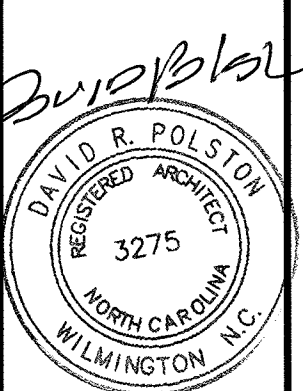
BEDROOMS \* 501 THRU \* 518 ARE EXEMPT FROM CON REVIEW / APPROVAL.

**502 FLOOR PLAN** PARTIAL PLAN - BUILDING ADDITION  
SCALE: 1/8" = 1'-0"  
WING "500"

- GENERAL FLOOR PLAN NOTES:**
- 5/8" TYPE "X" G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILET ROOMS AND BEHIND SINKS WHERE 3/8" TYPE "XP" MUST BE USED.
  - ALL EXTERIOR STUDS TO BE 2" X 4" 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.
  - 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. FW) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL \* 2101 FOR CONSTRUCTION OF THESE WALLS.
  - PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (RFE) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS.
  - TYPE "A" - 101b, 4A 60 B/C (RECESSED) TYPE "C" - 101b, 4A 60 B/C (NOT RECESSED)  
TYPE "B" - 201b, BC 120 B/C (NOT RECESSED) TYPE "D" - 2A1B/C/K (NOT RECESSED)
  - PROVIDE 24" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIDS FRD SERIES AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS WRAP SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE "X" G.W.B. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATION OF ATTIC HVAC UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING.
  - CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IN-FRONT SERIES 3100. WALL GUARD TO BE IPC GUARD - MODEL \* 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO 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 (UNO).
  - PROVIDE CEILING EXP. JOINTS \* 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION. PROVIDE WALL EXPANSION JOINTS AT DOOR JAMBS \* 20'-0" O.C.
  - CONTRACTOR TO SLOPE FLOOR MECHANICAL EQUIPMENT \* 10' AND MECHANICAL EQUIPMENT \* 33. 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 UNWRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION \* 2304 FOR DESCRIPTION OF TYPICAL (S.M.).
  - INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO BE UNWRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL ASSEMBLY X-528. 1-HOUR RATED. SEE SECTION \* 2304 FOR DESCRIPTION OF TYPICAL (S.M.).
  - 1-HR. RATED SMOKE BARRIER (1-HR. F/S W) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL \* 2102 FOR CONSTRUCTION OF THESE WALLS.



**503 FLOOR PLAN** PARTIAL PLAN - BUILDING ADDITION  
SCALE: 1/8" = 1'-0"  
WING "200"



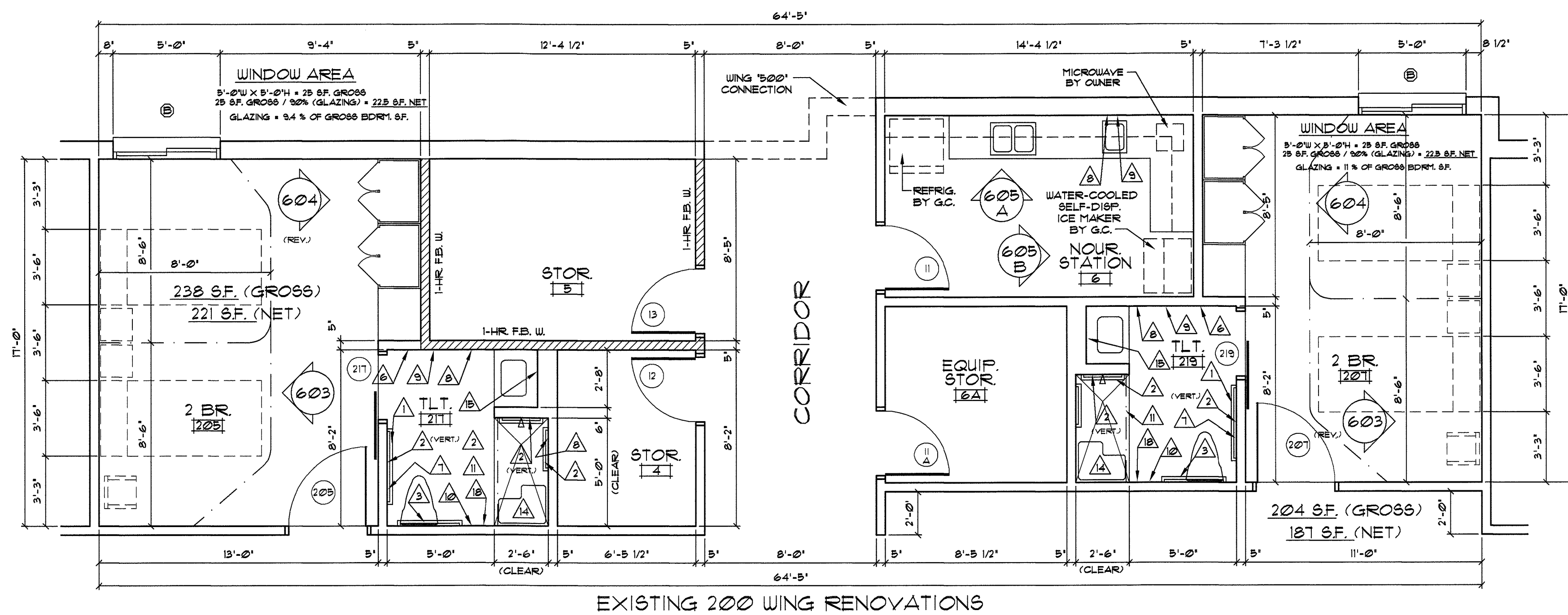
**PRUITTHEALTH**  
**TOWN CENTER**  
Harrisburg, North Carolina

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

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A5**



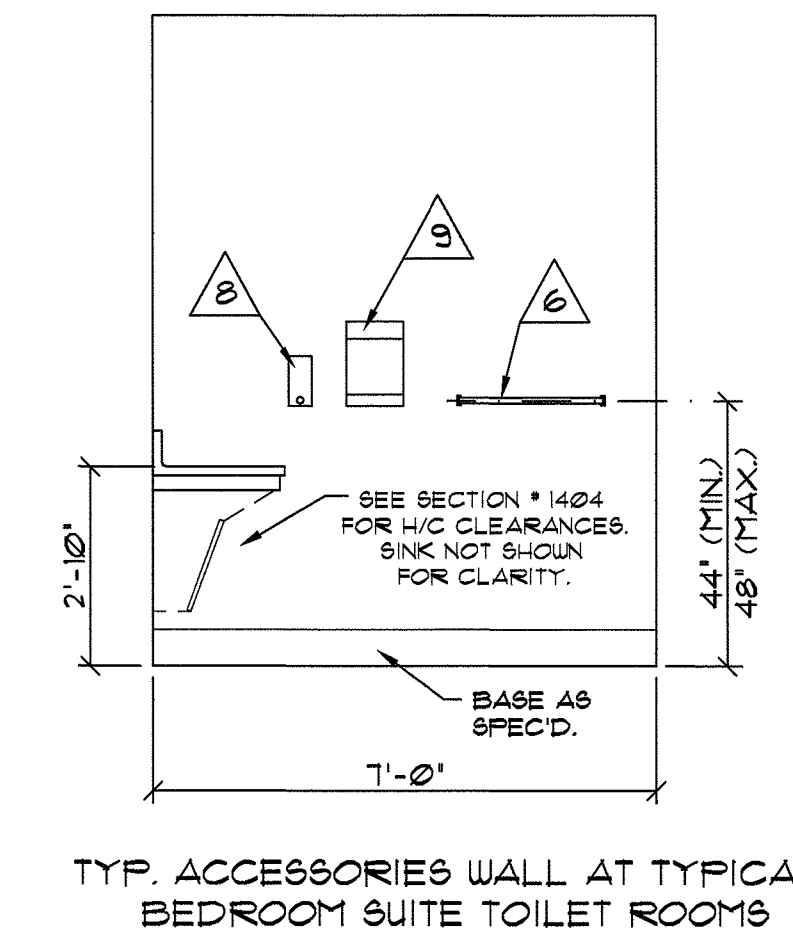
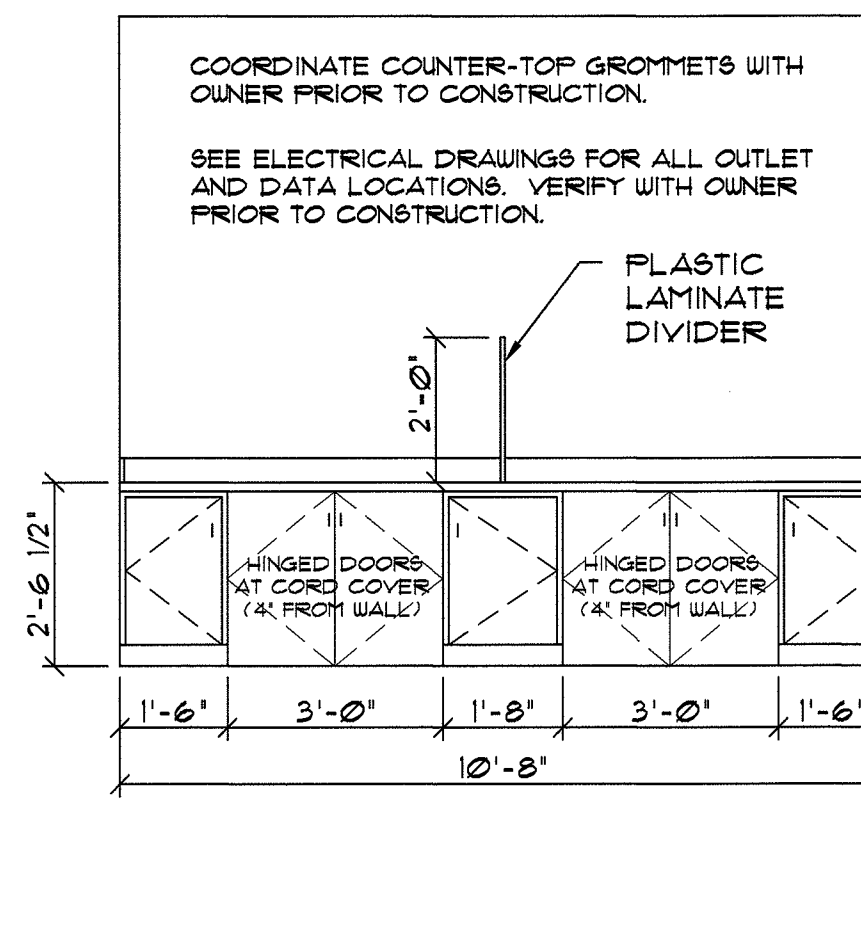
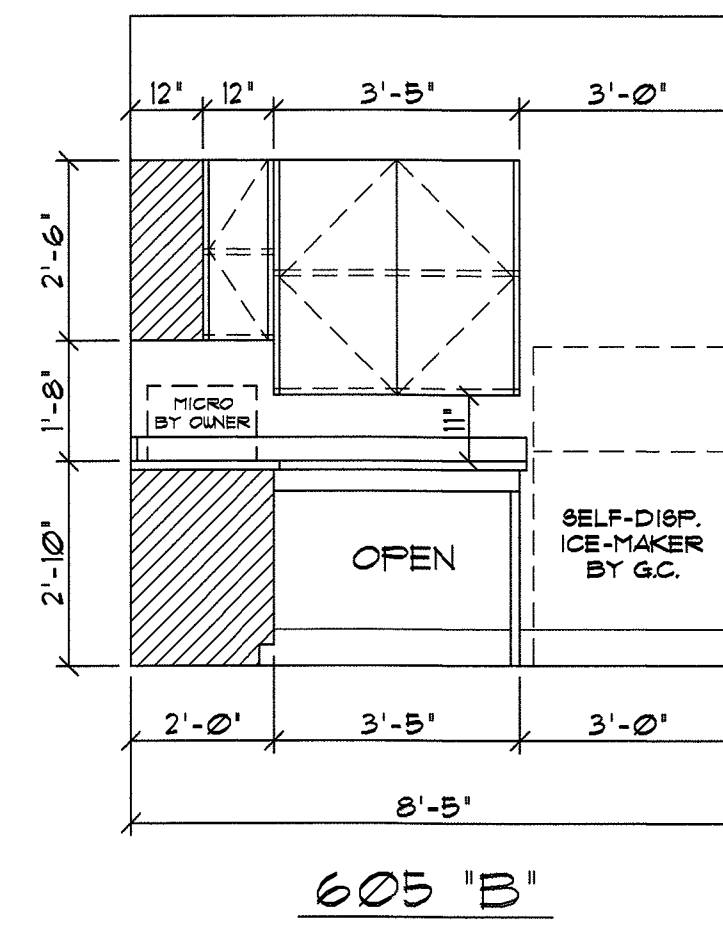
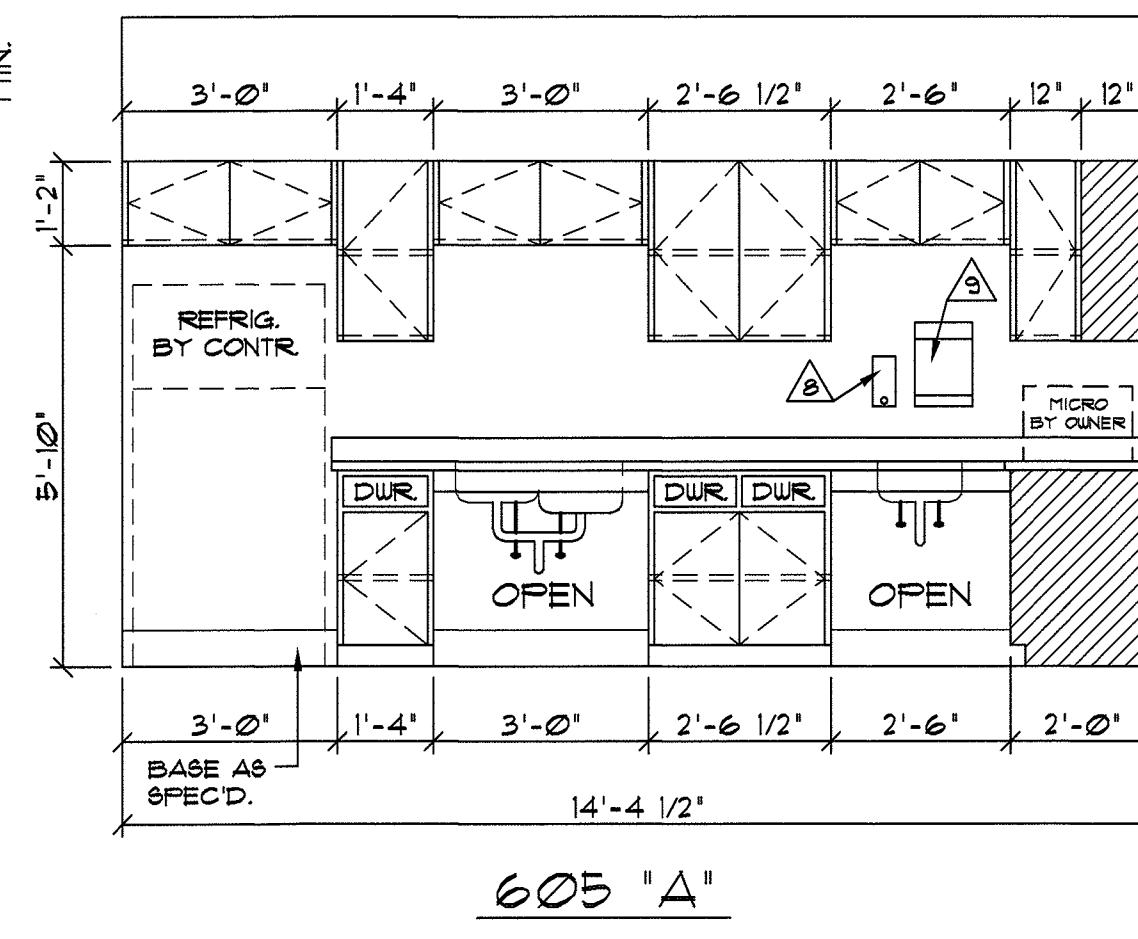
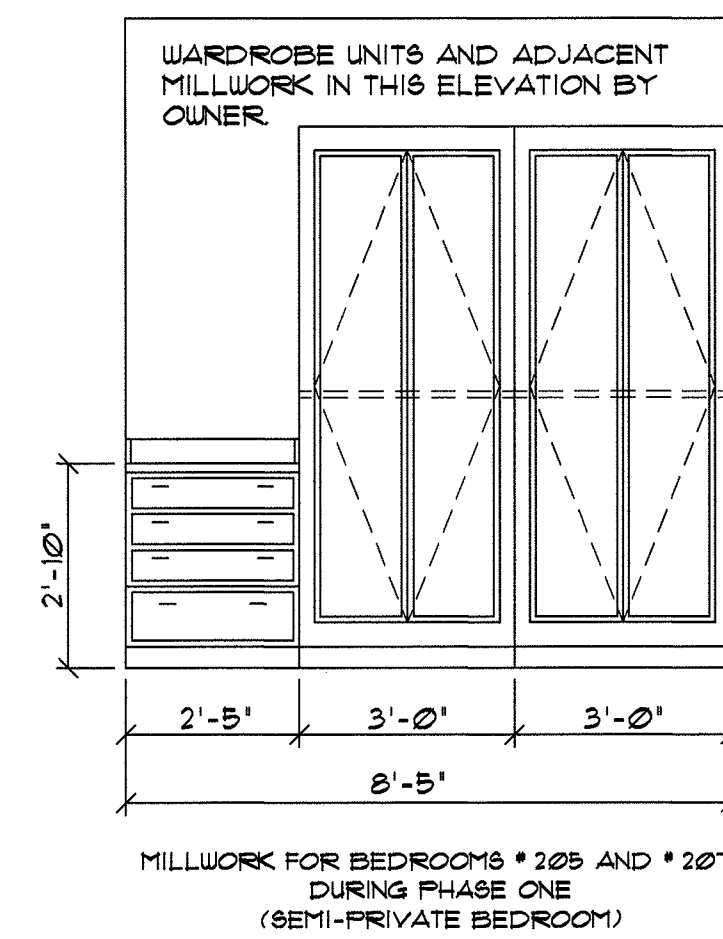
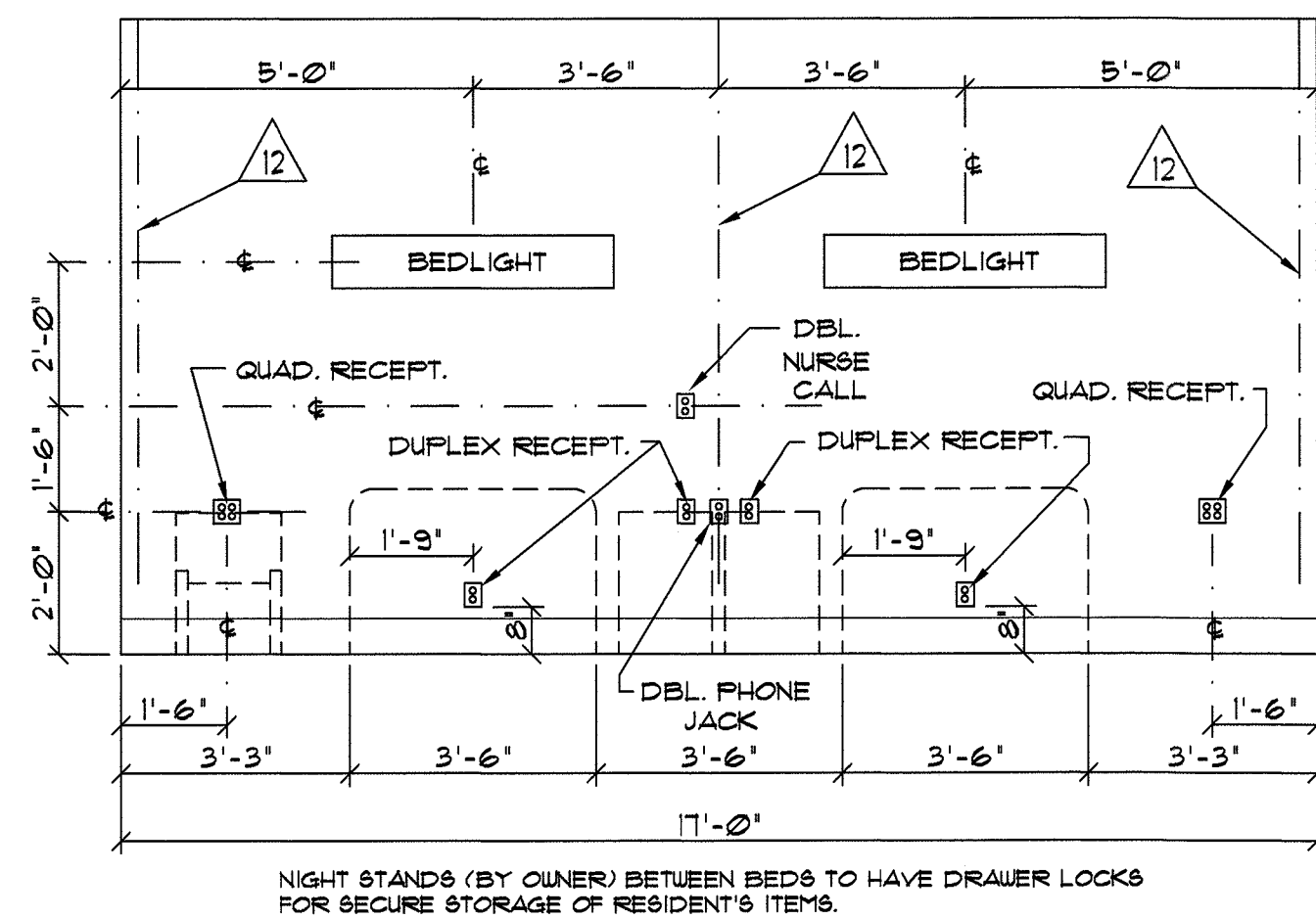


## EXISTING 200 WING RENOVATIONS

**601 FLOOR PLAN**  
**SCALE: 1/4" = 1'-0"**

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

BEDROOMS # 205 AND # 207 AREA AFTER COMPLETION OF STEP ONE



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

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

BEDWALL FOR TYPICAL  
SEMI-PRIVATE BEDROOMS

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

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

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

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

NOUR. STATION # 6

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

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

PRUITT  
UNIV. # 3

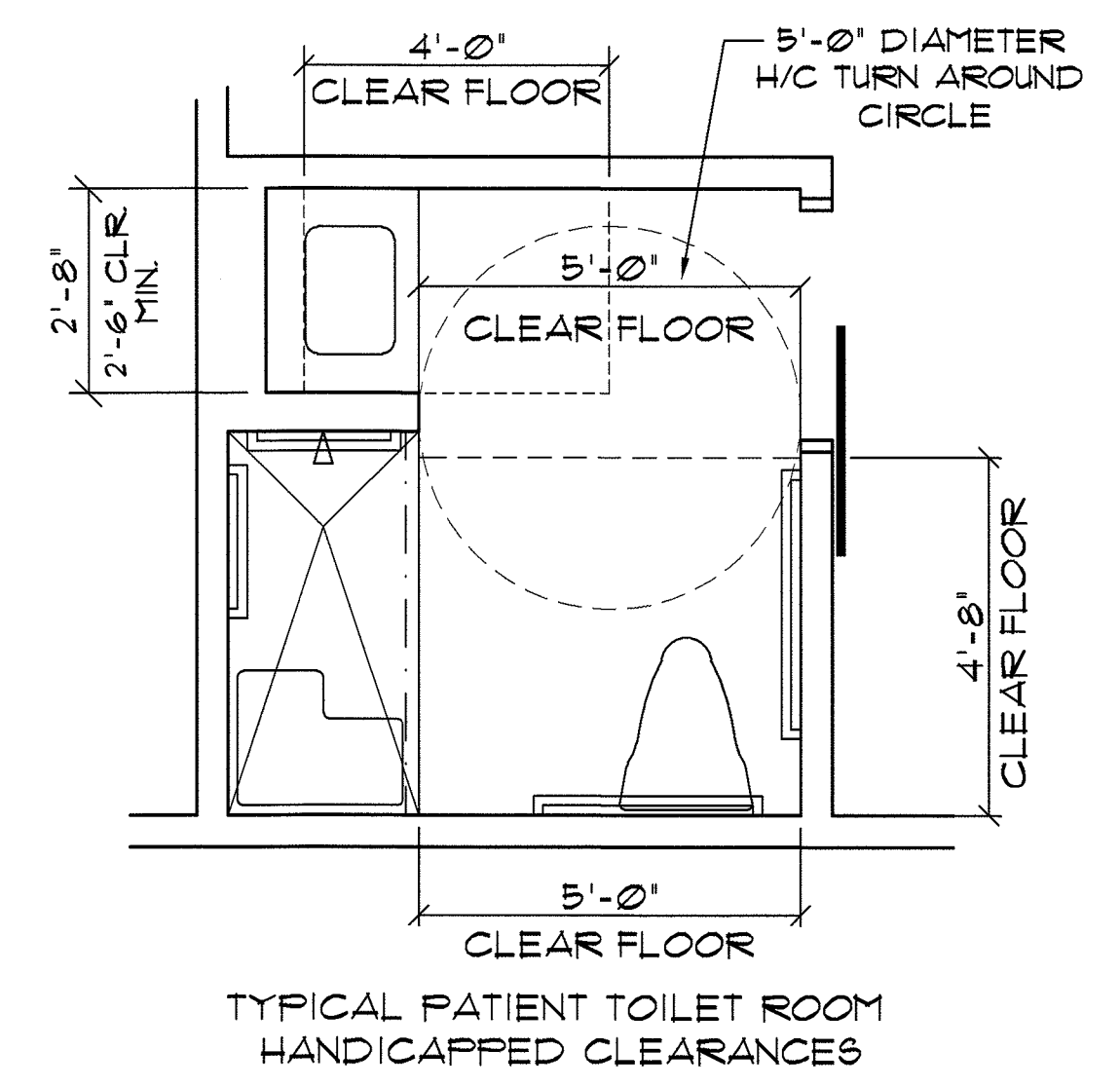
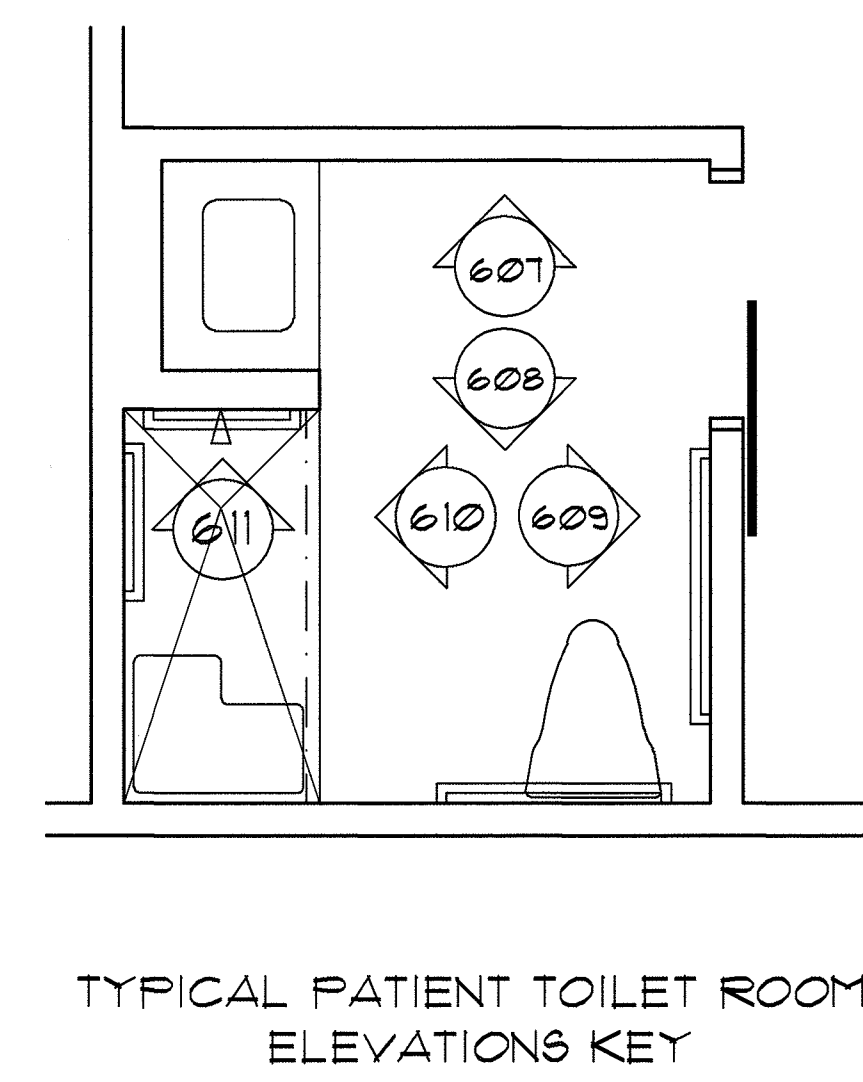
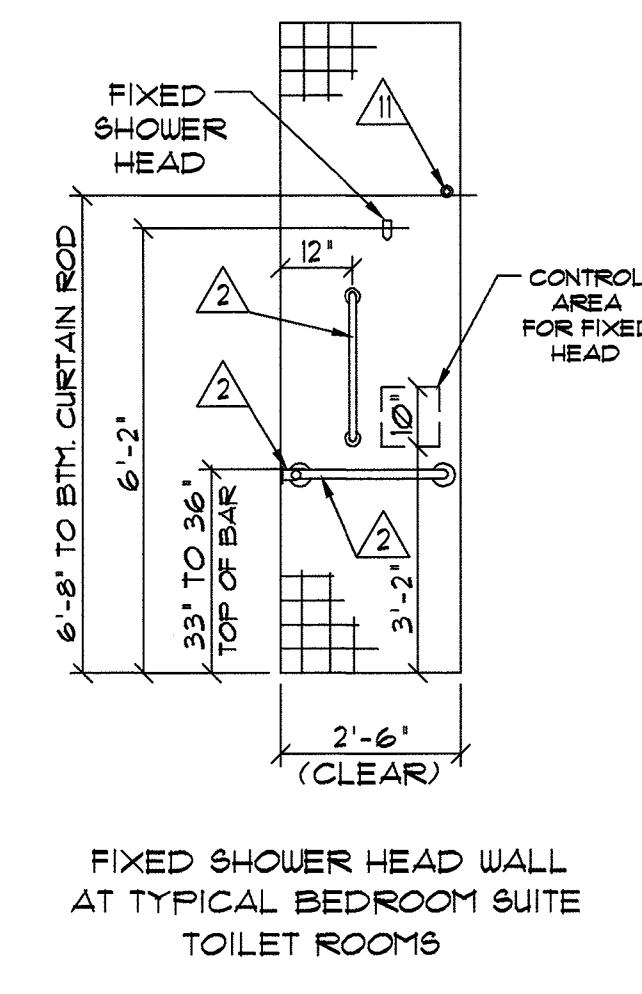
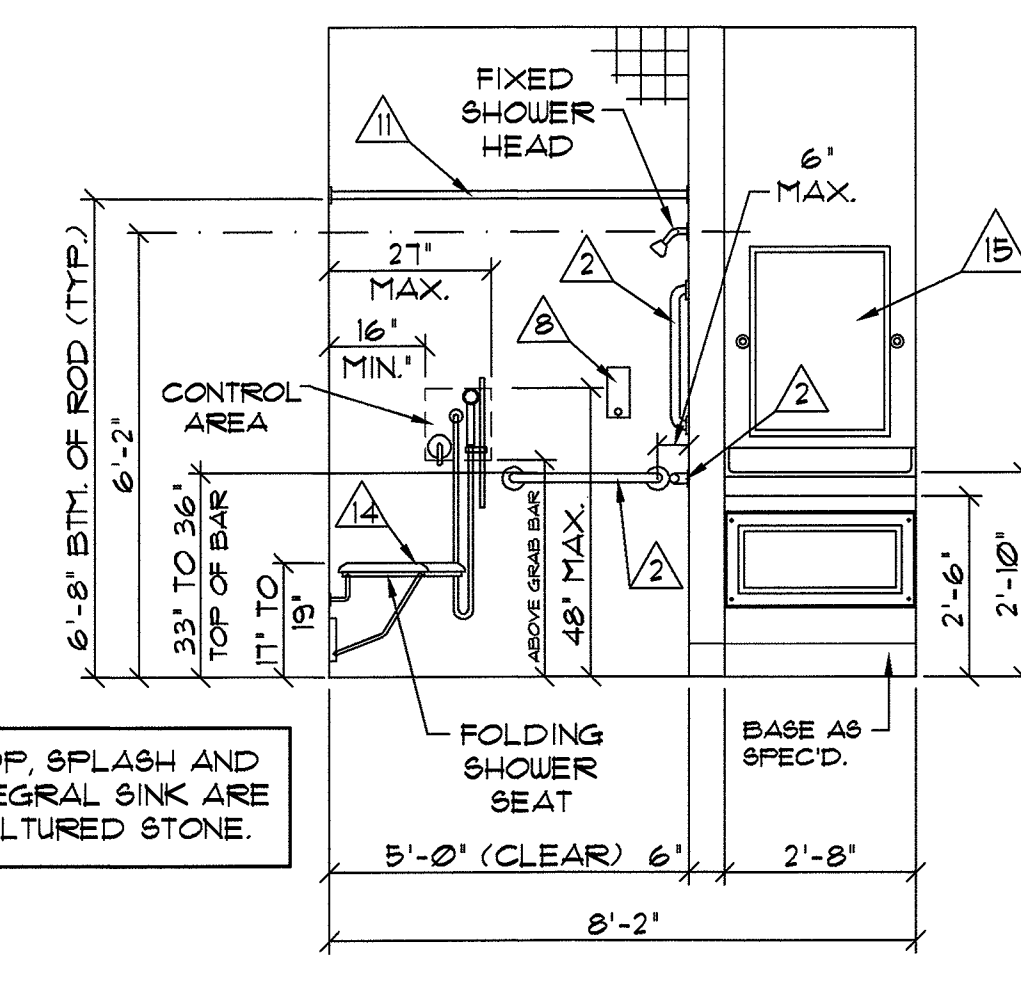
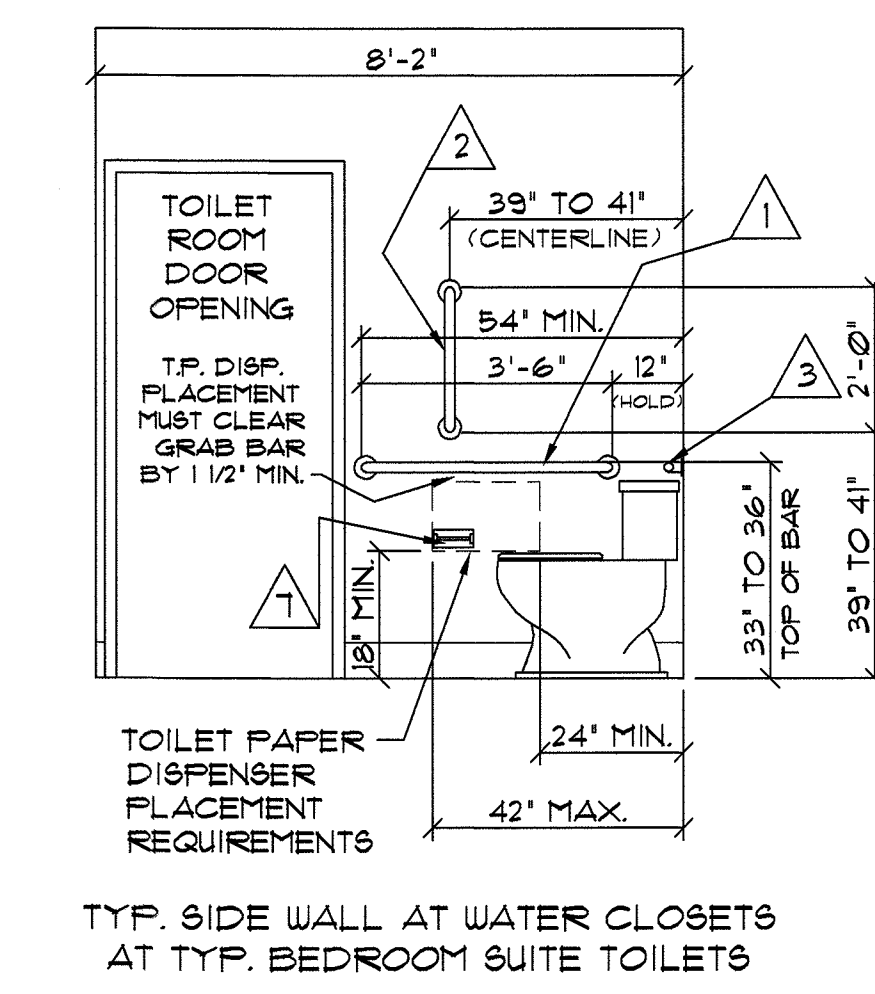
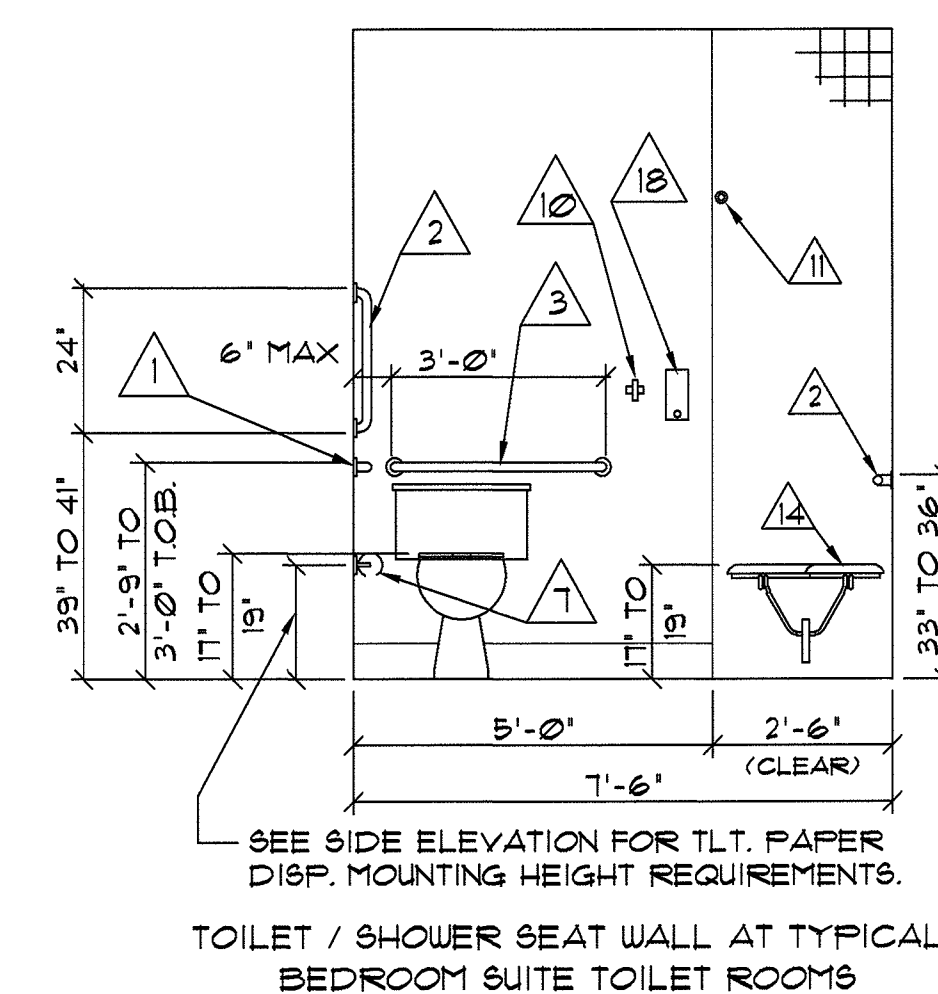
**ELEVATION**  
SCALE: 3/8" = 1'-0"

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

TOILET ACCESSORIES SCHEDULE										
△	DESCRIPTION	MANUF.	CATALOG NO.	△	DESCRIPTION	MANUF.	CATALOG NO.			
1	GRAB BAR - 1 1/2" X 42" LONG	BOBRICK	B - 6806 x 42"	8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.	15	MIRROR - 23 1/2" X 31 1/2"	GATCO 43295 BATIN NICKEL FINISH
2	GRAB BAR - 1 1/2" X 24" LONG	BOBRICK	B - 6806 x 24"	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	16	TUB SEAT	BY OWNER
3	GRAB BAR - 1 1/2" X 36" LONG	BOBRICK	B - 6806 x 36"	10	ROBE HOOK	MOEN	DN6803BN	17	SHOWER SEAT	SEACHROME 55R-320225 (NW)
4	GRAB BAR - 1 1/2" X 12" LONG	BOBRICK	B - 6806 x 12"	11	SHOWER CURTAIN ROD	BOBRICK	B - 6101	18	HAND SANITIZER DISP.	BY OWNER INSTALL BY G.C.
5	GRAB BAR - 1 1/2" X 48" LONG	BOBRICK	B - 6806 x 48"	12	PRIVACY CURTAIN TRACK	ARNCO	1200			
6	TOWEL BAR - 24" LONG	MOEN	DN6214BN	13	MOF HOOK RACK	BY OWNER	---			
7	TOILET PAPER DISPENSER	MOEN	DN6303BN	14	SHOWER SEAT	SEACHROME	55R-260225 (NW)			

TOILET ACCESSORY NOTES:

1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. TOILET ACCESSORY ITEMS #2, 8, 9, AND #11 ARE TO BE PROVIDED BY OWNER AND INSTALLED BY G.C.
6. LISTED ACCESSORIES #6, 7, 10, AND #15 ARE TO BE PER LISTED MANUFACTURER, CATALOG NUMBER, AND FINISH. NO SUBSTITUTIONS ACCEPTED.
7. MODEL NUMBERS SHOWN FOR THE SHOWER SEAT UNITS ARE FOR THE RIGHT HAND MODEL UNITS. LEFT HAND UNITS ARE THE SAME NUMBER BUT HAS A (L) INSTEAD OF THE (R). SEE PLANS FOR HAND.



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

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

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

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

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

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

SHOWER CONTROL WALL  
TYPICAL BEDROOM SUITE  
TOILET ROOMS

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

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

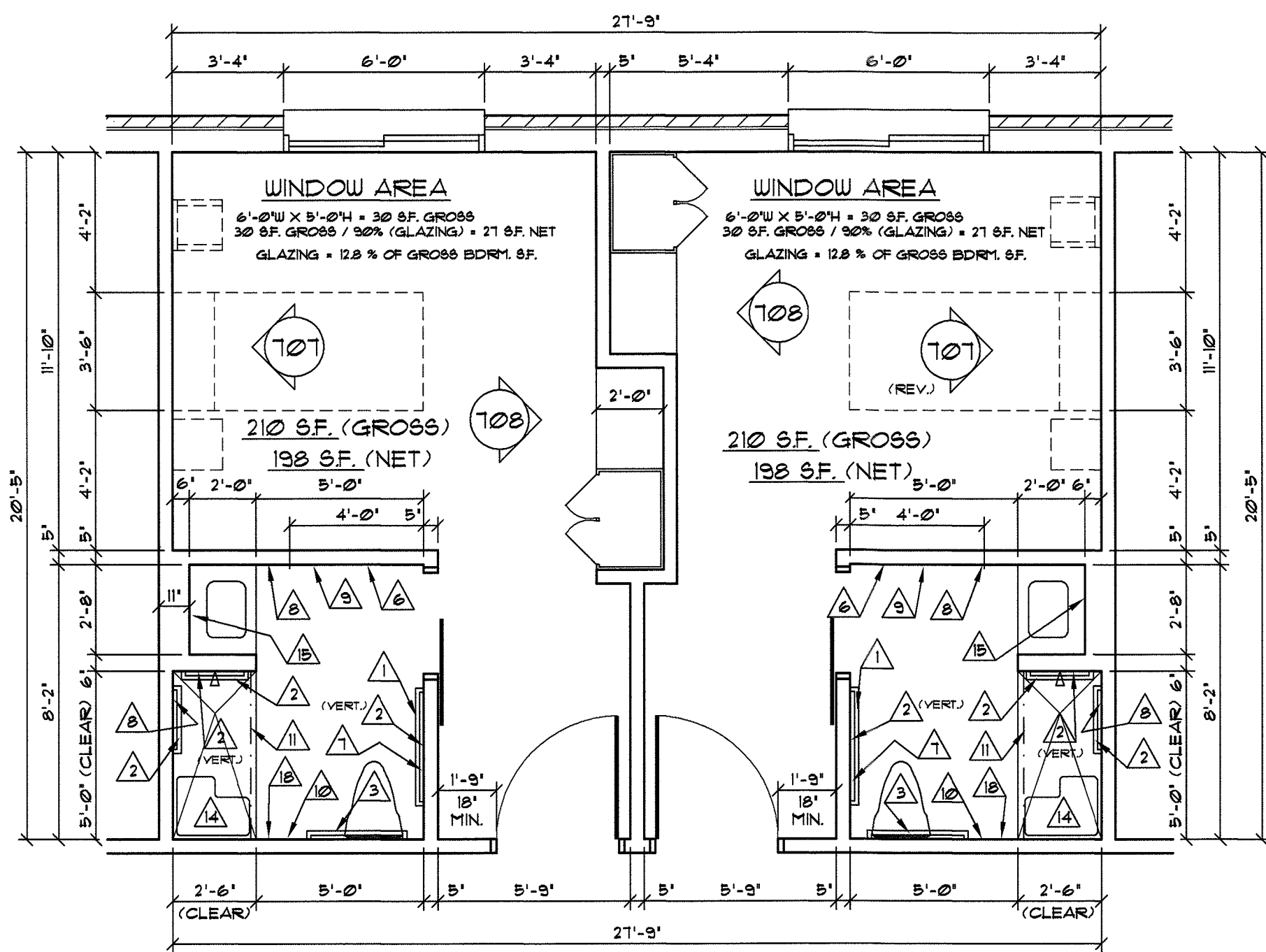
**612 FLOOR PLAN**  
**SCALE: N.T.S.**

**SCALE: N.T.S.**

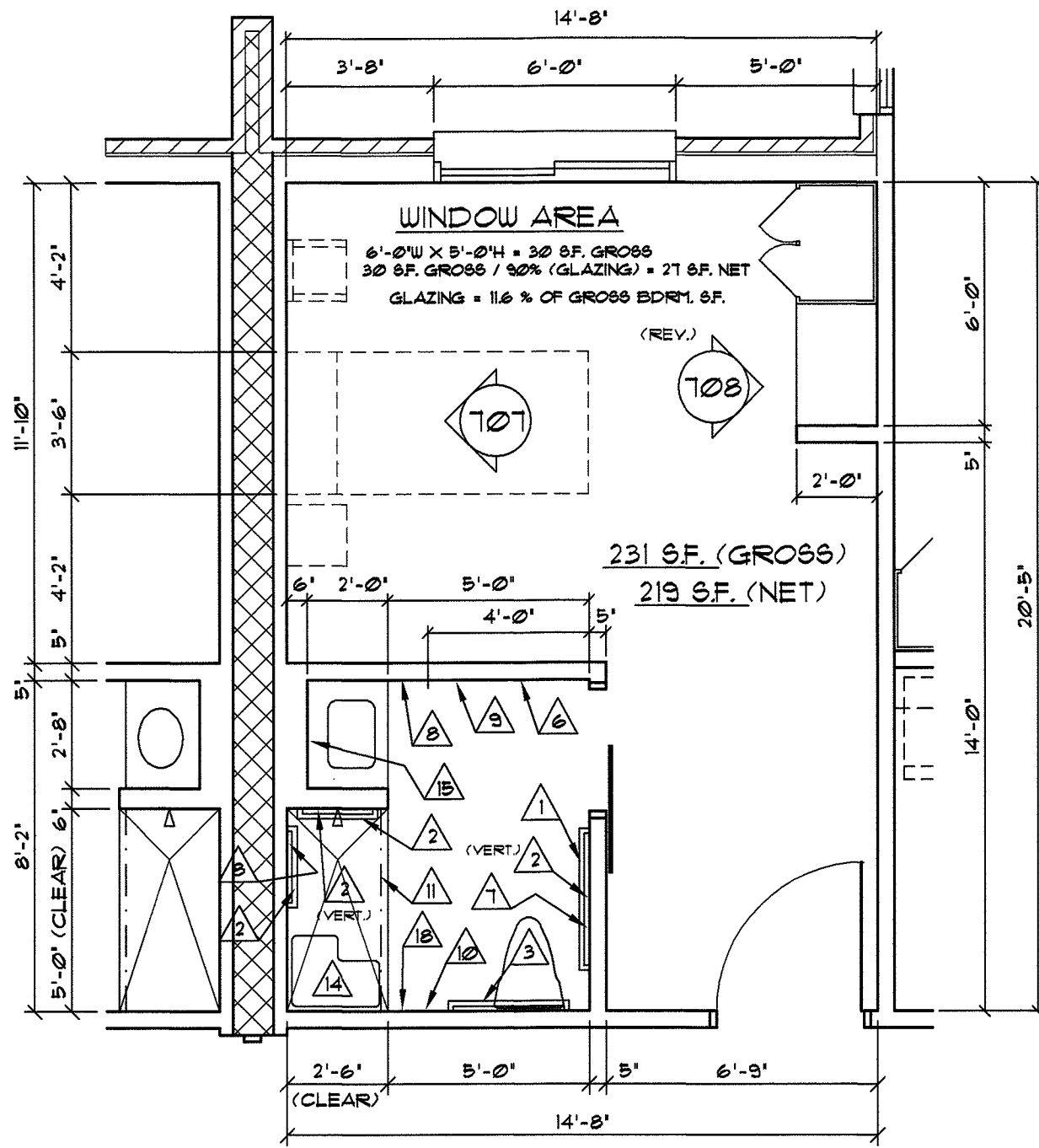
613 **FLOOR PLAN**  
SCALE: N.T.S.

**SCALE: N.T.S**

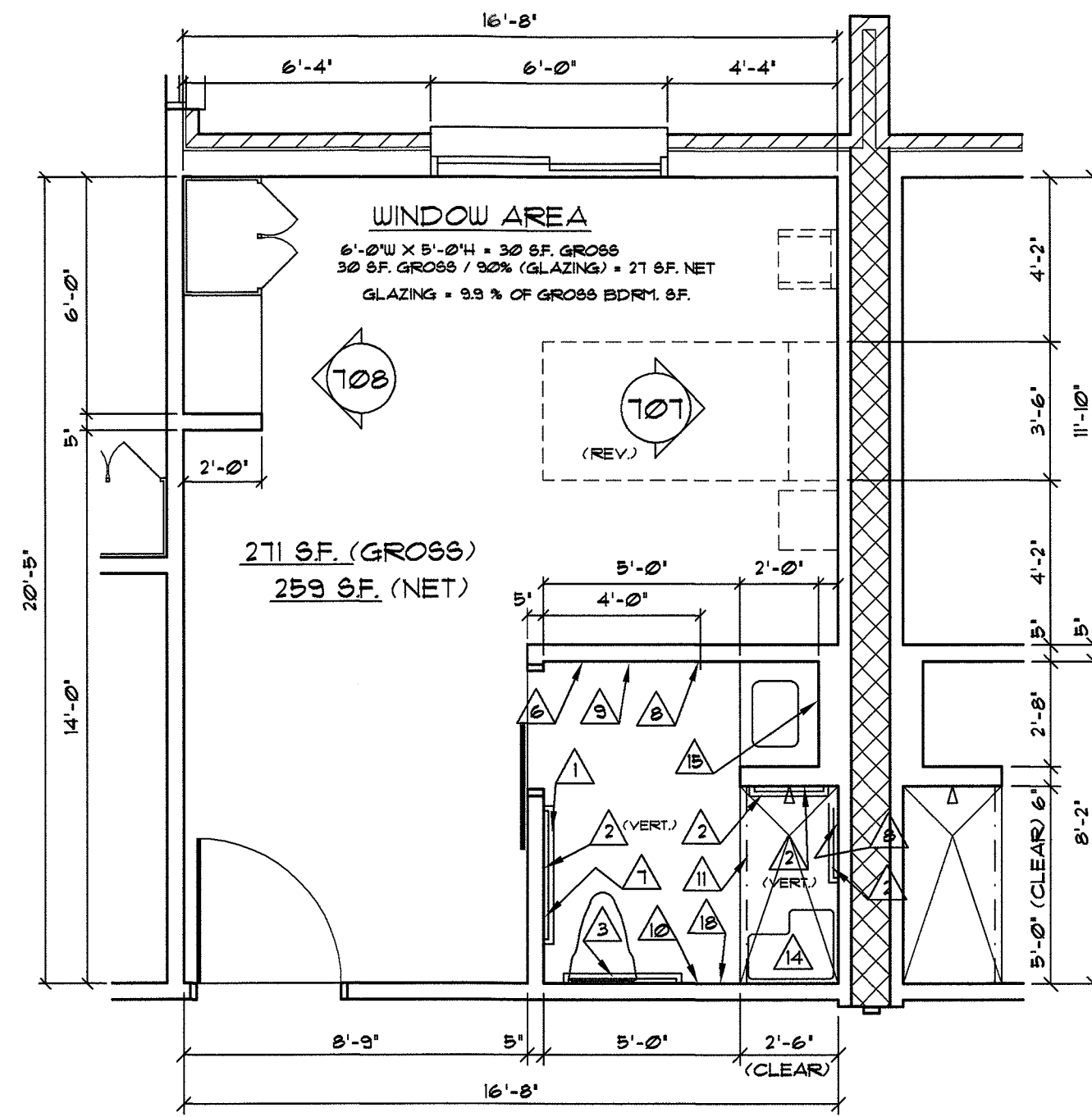




**101 FLOOR PLAN** TYPICAL PRIVATE BEDROOM SUITE  
SCALE: 1/4" = 1'-0"



**102 FLOOR PLAN** 14'-8" WIDE HALF SUITE  
SCALE: 1/4" = 1'-0"

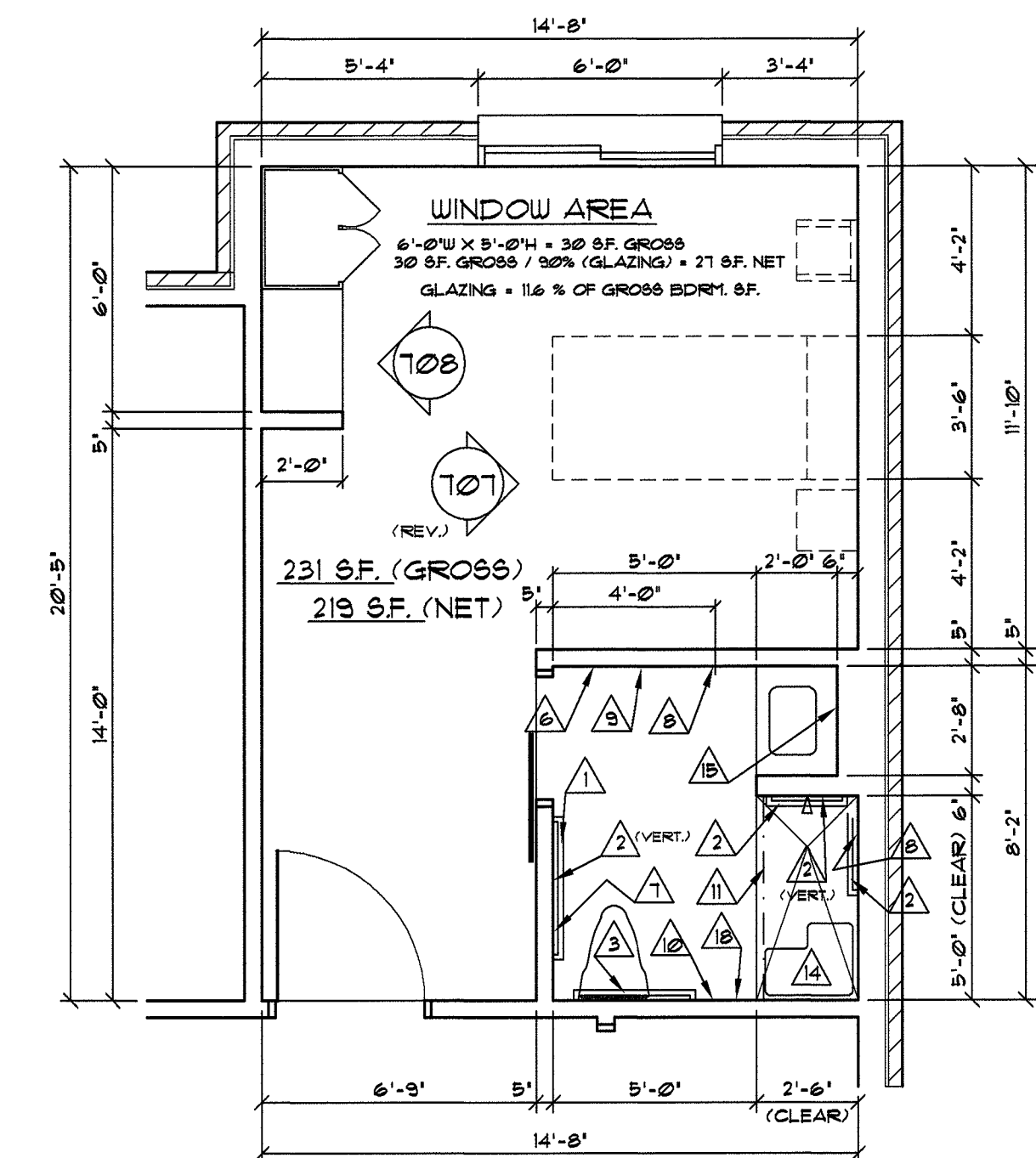


**103 FLOOR PLAN** 16'-8" WIDE HALF SUITE  
SCALE: 1/4" = 1'-0"

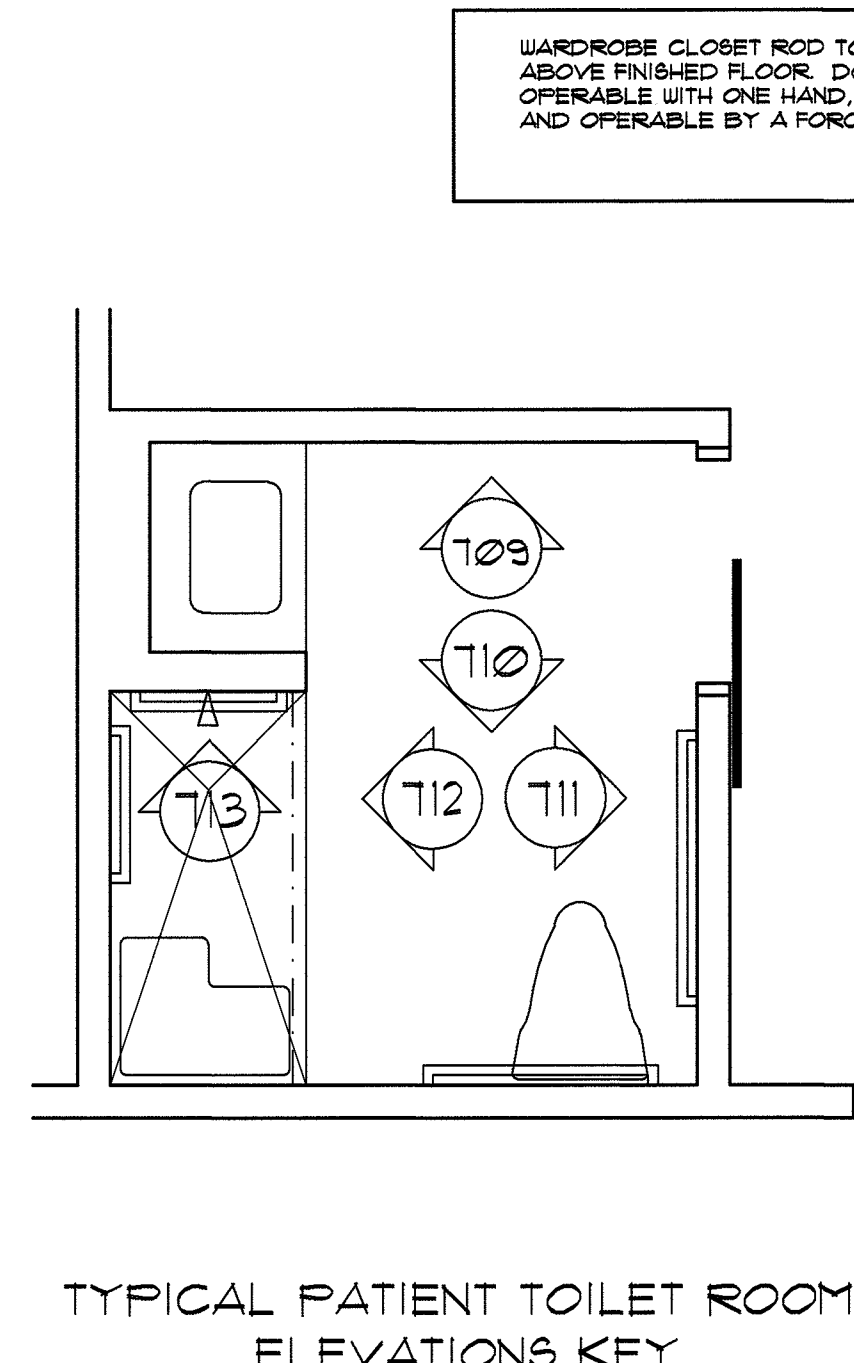
Δ	DESCRIPTION	MANUF.	CATALOG NO.
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B- 6806 x 36"
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"
5	GRAB BAR- 1 1/2" X 48" LONG	NOT USED	
6	TOWEL BAR- 24" LONG	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	88R-260225 (NW)
15	MIRROR - 23 1/2" X 31 1/2"	GATCO	43395 BATINICKEL FINISH
16	TUB SEAT	BY OWNER	
17	SHOWER SEAT	SEACHROME	88R-320225 (NW)
18	HAND SANITIZER DISP.	BY OWNER	INSTALL BY G.C.

**TOILET ACCESSORY NOTES:**

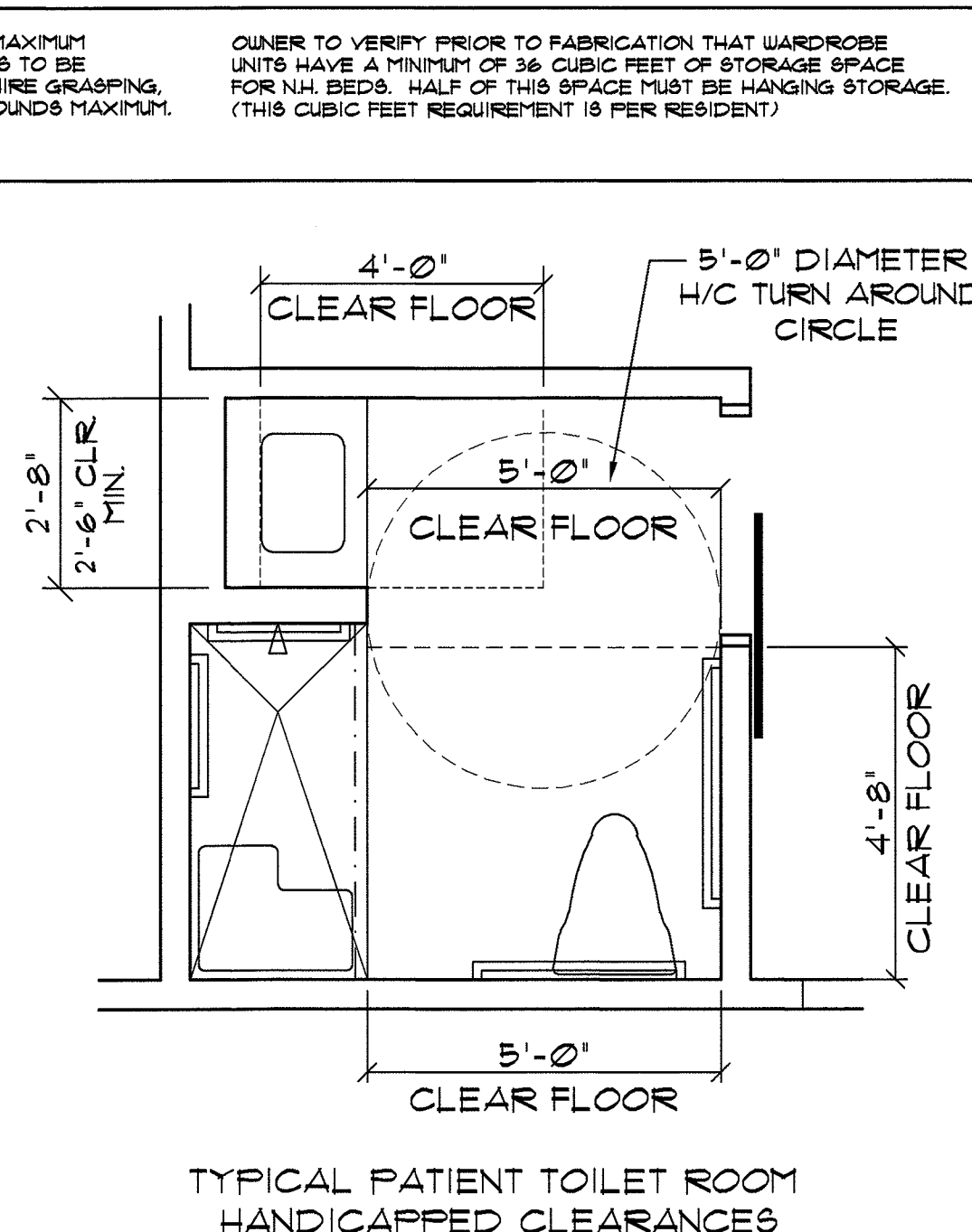
- SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
- G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
- PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
- MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS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



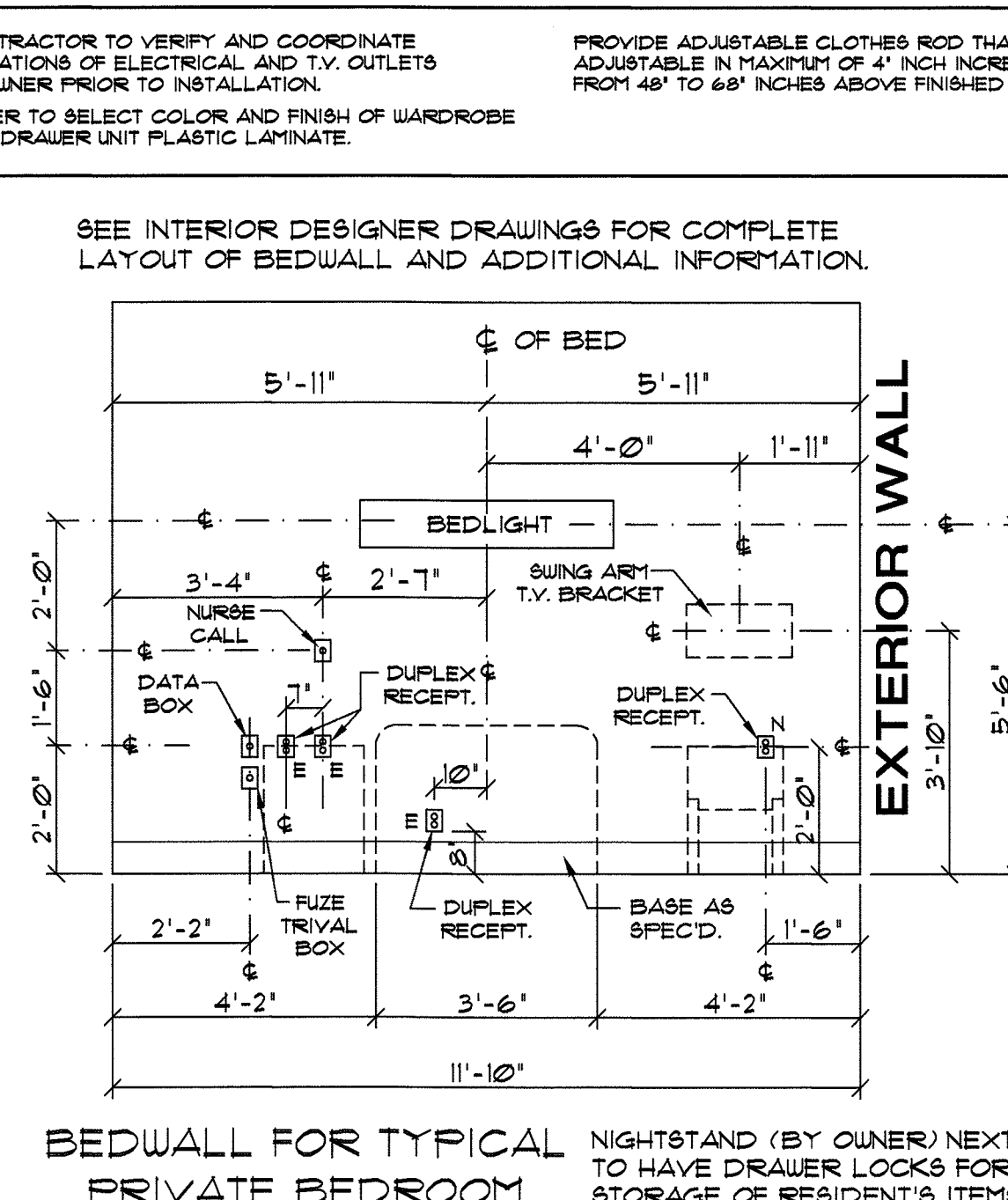
**104 FLOOR PLAN** BEDROOM # 211  
SCALE: 1/4" = 1'-0"



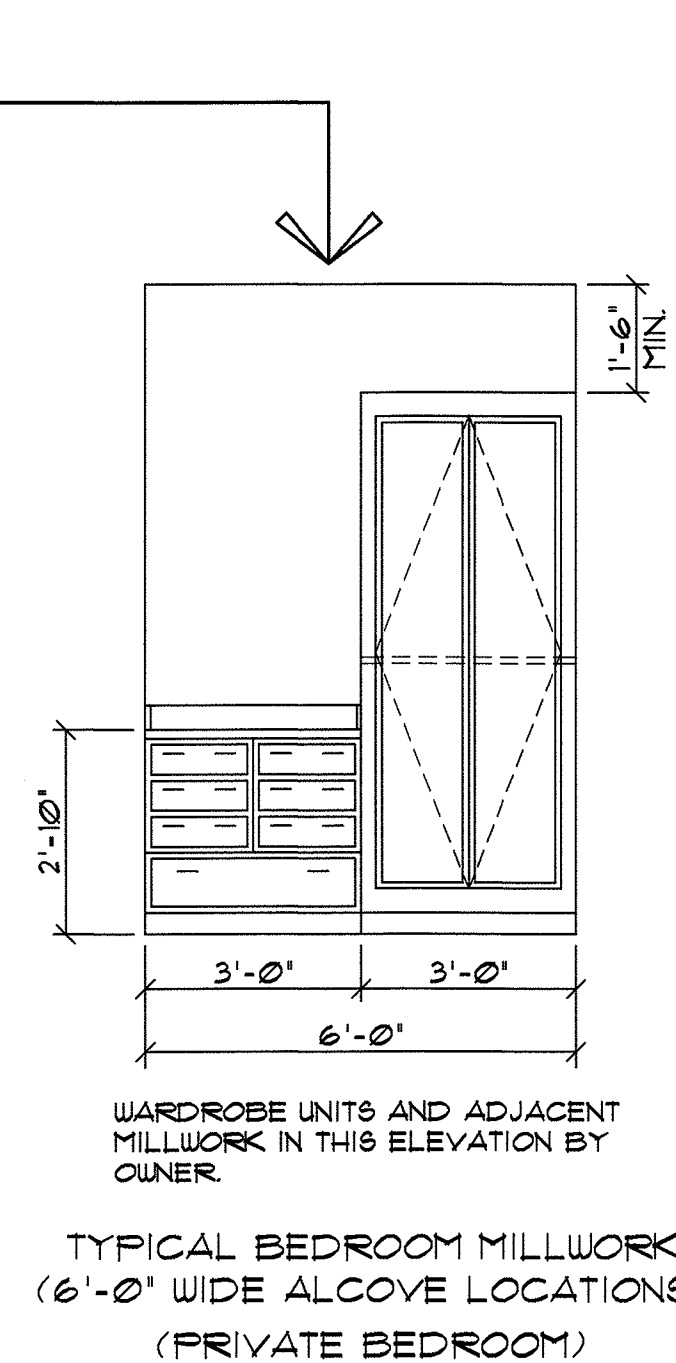
TYPICAL PATIENT TOILET ROOM ELEVATIONS KEY



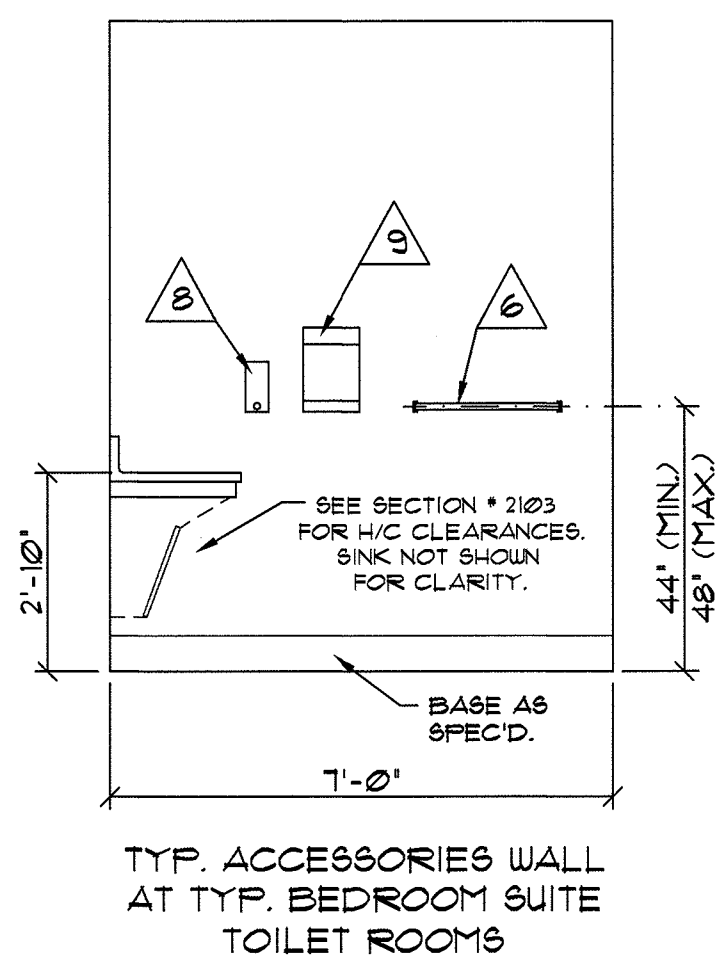
TYPICAL PATIENT TOILET ROOM HANDICAPPED CLEARANCES



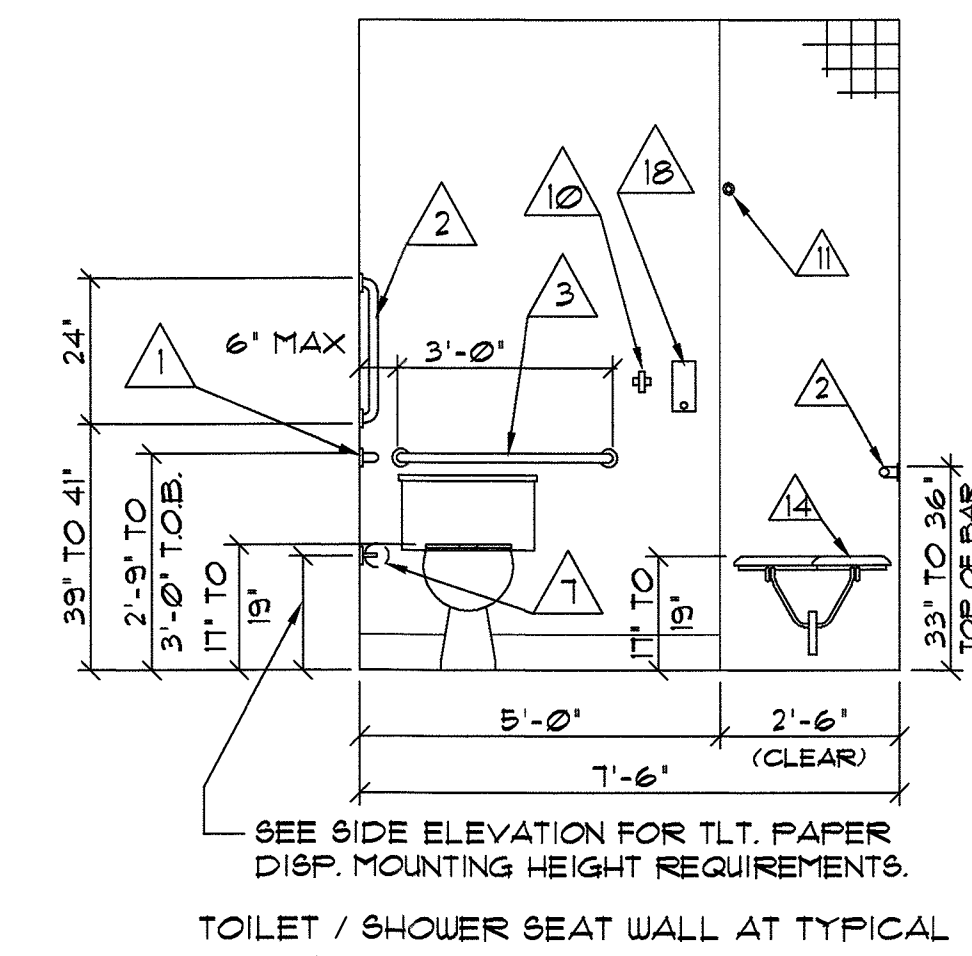
BEDWALL FOR TYPICAL PRIVATE BEDROOM



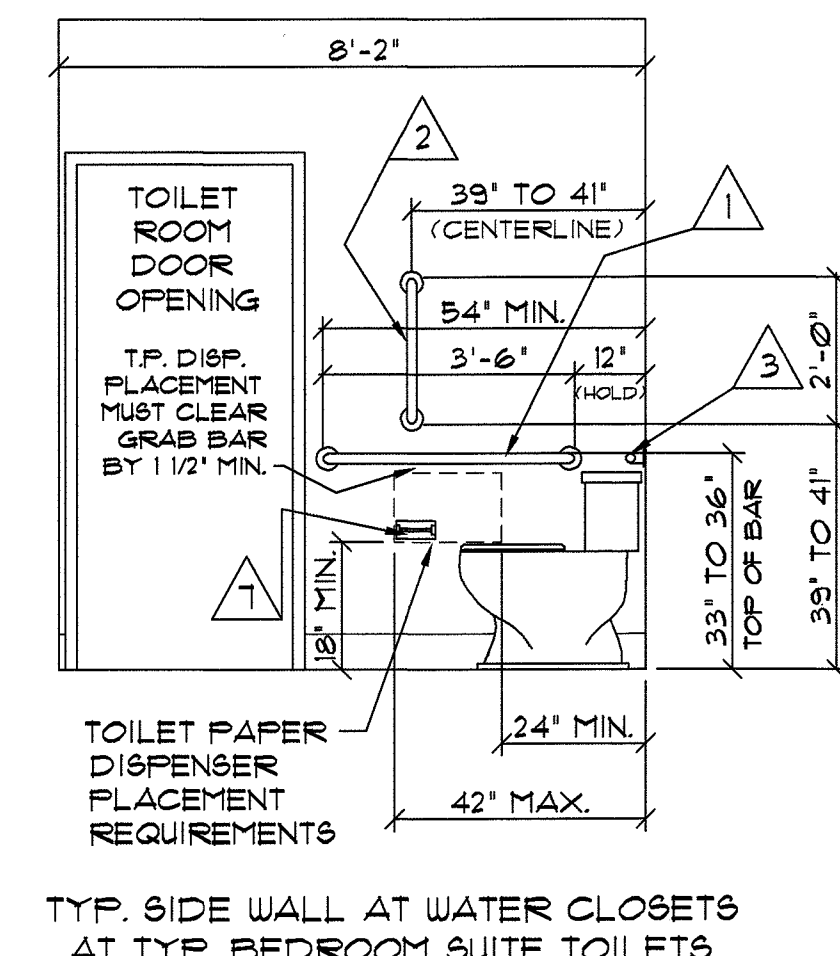
TYPICAL BEDROOM MILLWORK (6'-0" WIDE ALCOVE LOCATIONS) (PRIVATE BEDROOM)



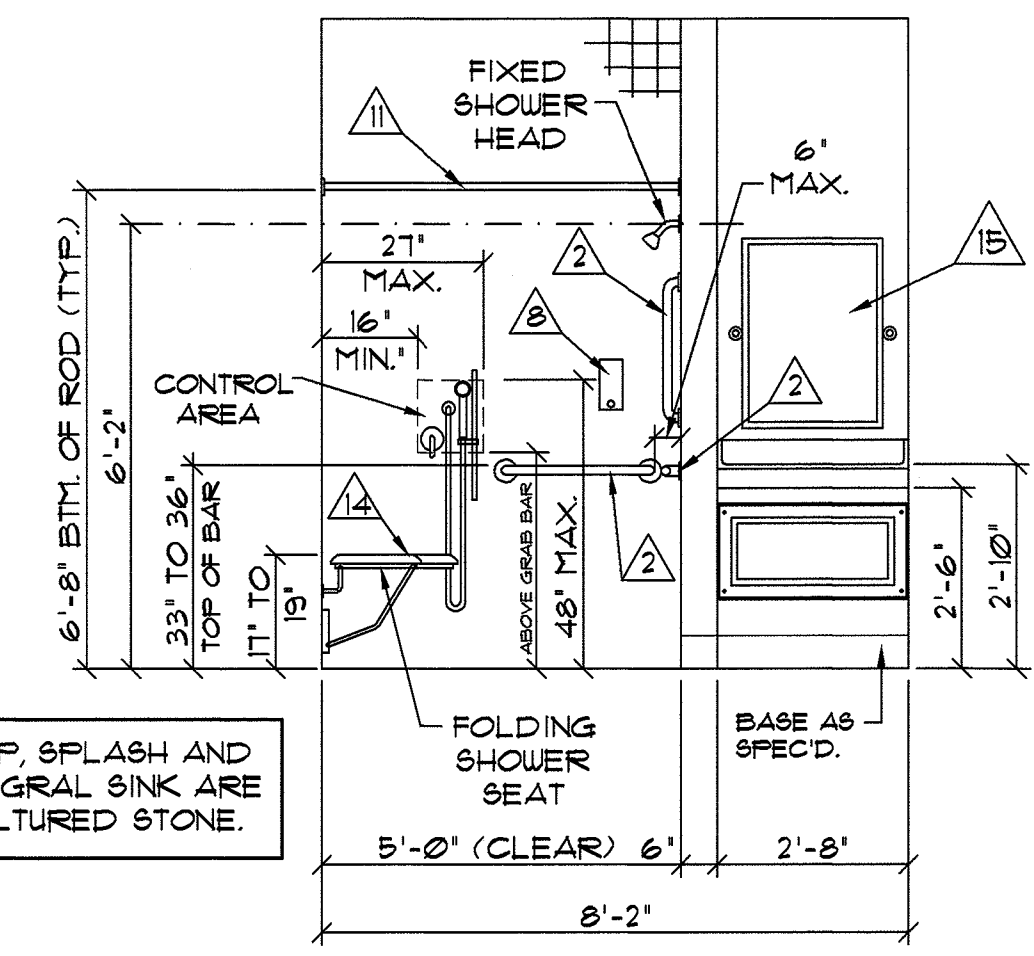
**109 ELEVATION** SCALE: 3/8" = 1'-0"



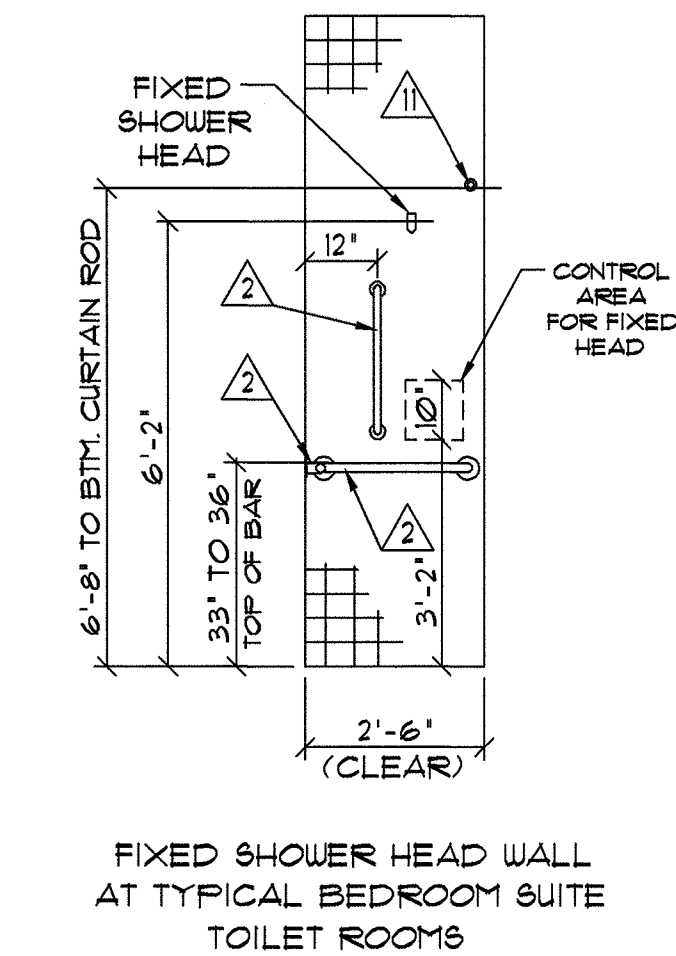
**110 ELEVATION** SCALE: 3/8" = 1'-0"



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

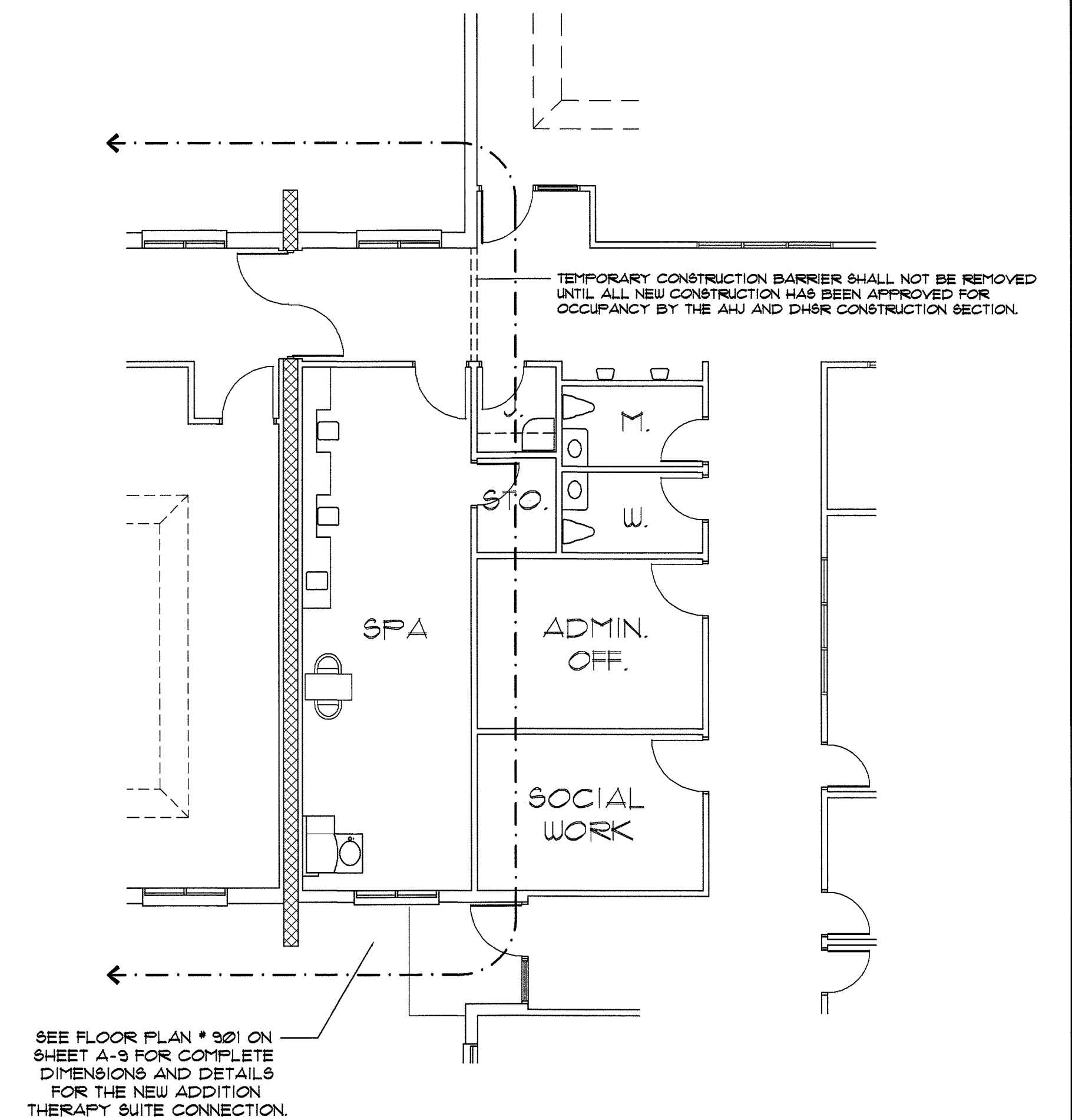
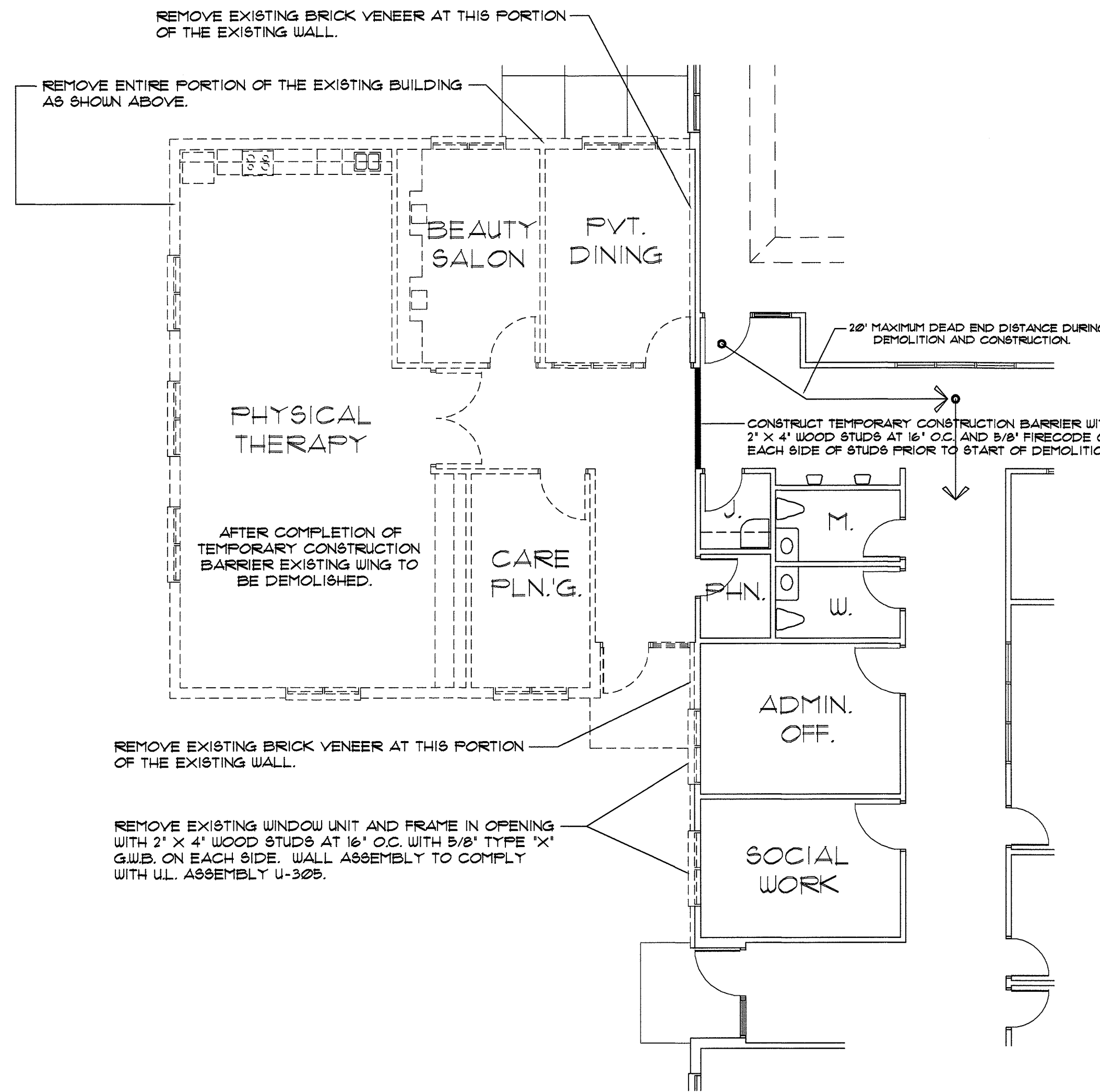
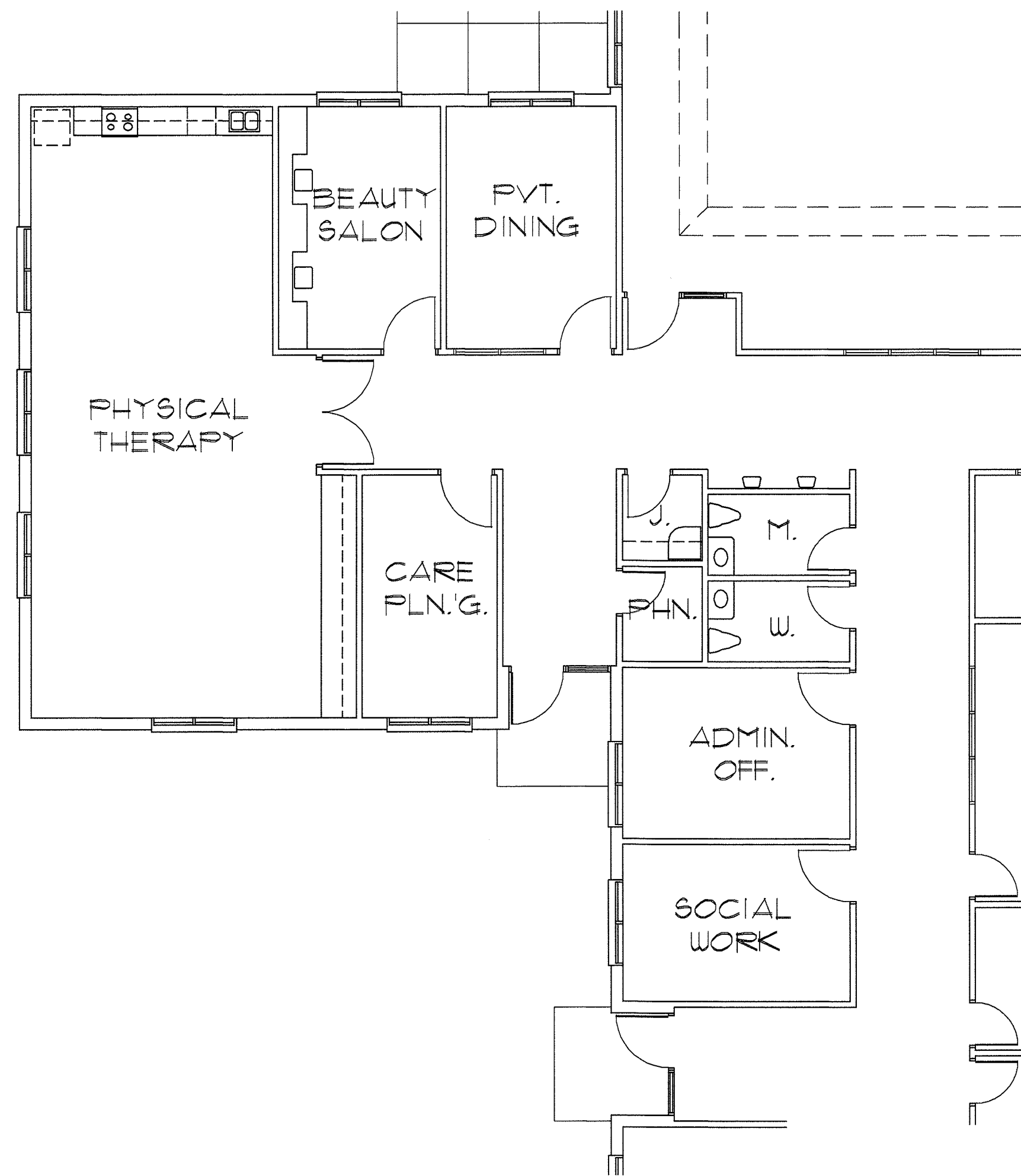


**112 ELEVATION** SCALE: 3/8" = 1'-0"



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

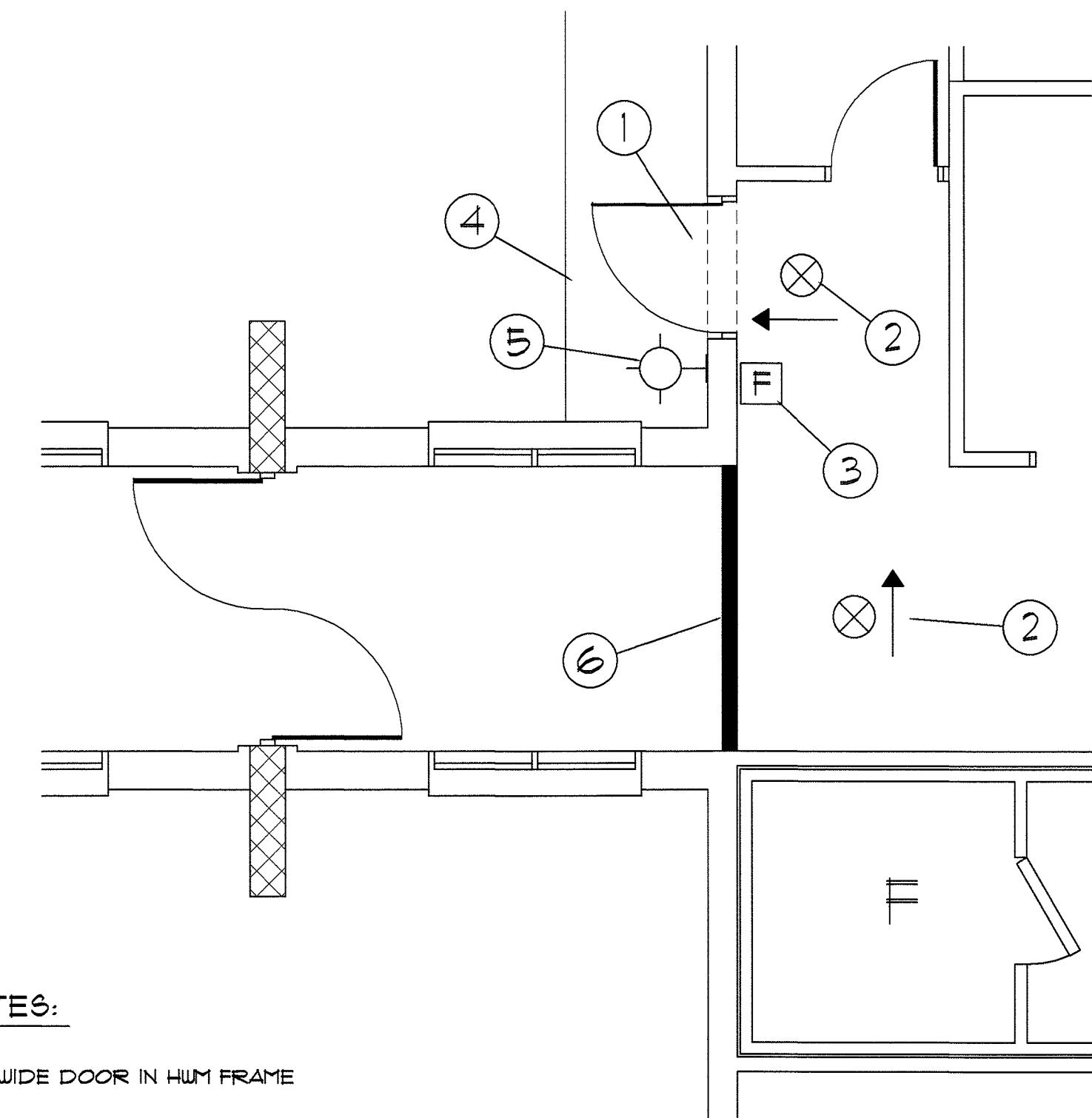
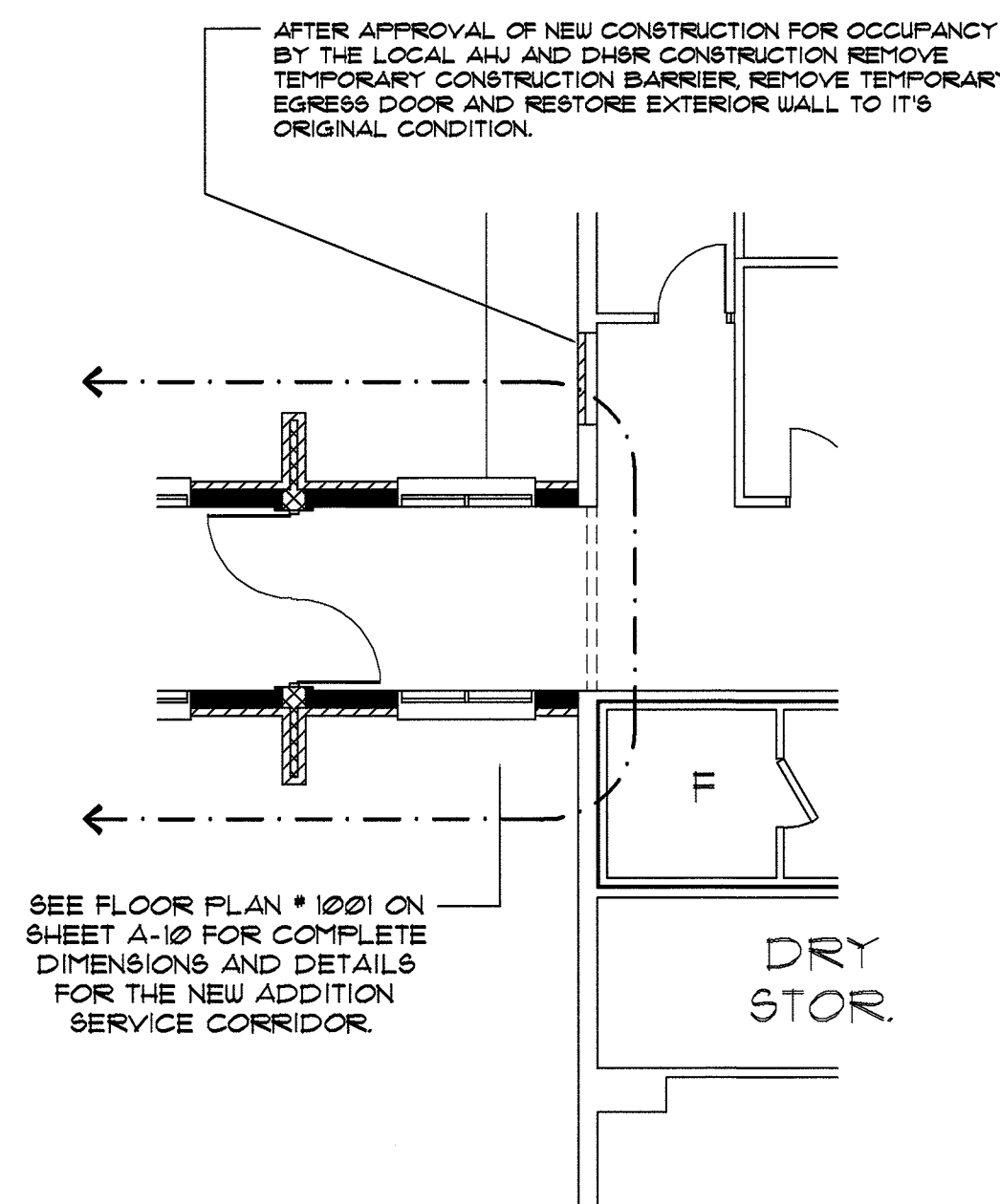
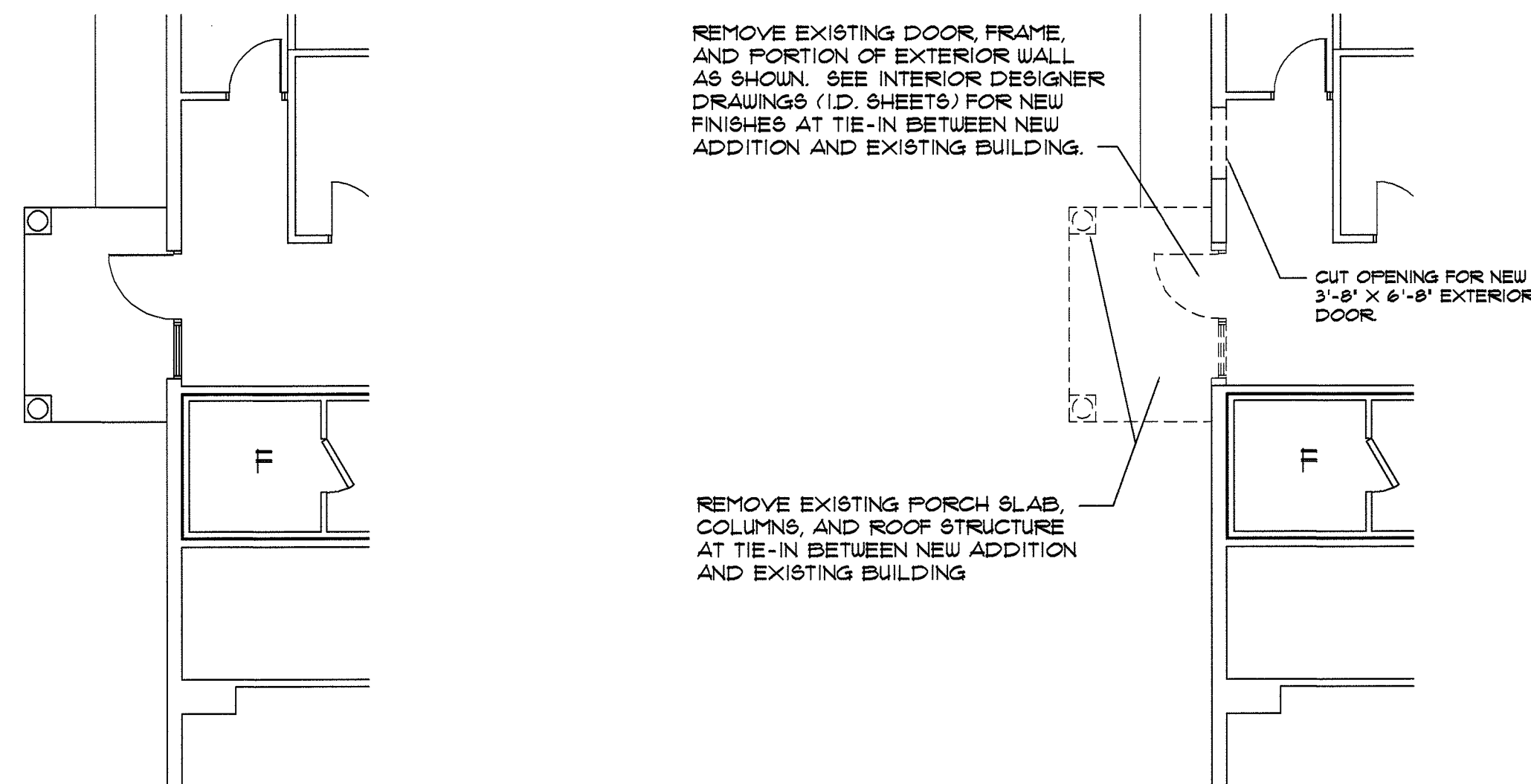




**801 FLOOR PLAN** PARTIAL PLAN - EXISTING  
SCALE: 1/8" = 1'-0"

**802 FLOOR PLAN** PARTIAL PLAN - DEMOLITION  
SCALE: 1/8" = 1'-0"

**803 FLOOR PLAN** PARTIAL PLAN - RENOVATED  
SCALE: 1/8" = 1'-0"



**TEMPORARY EXIT NOTES:**

1. INSTALL TEMPORARY 3'-8" WIDE DOOR IN HUM FRAME AS SHOWN.
2. INSTALL TEMPORARY EXIT LIGHTS FOR EGRESS DIRECTION.
3. INSTALL TEMPORARY FIRE ALARM PULL STATION AT TEMPORARY EGRESS DOOR.
4. MAINTAIN HARD SURFACE EGRESS PATHWAY FROM TEMPORARY EXIT DOOR TO PUBLIC WAY.
5. PROVIDE EXTERIOR LIGHTING ON THE LIFE SAFETY BRANCH TO ILLUMINATE EXTERIOR EGRESS PATHWAY.
6. INSTALL TEMPORARY WALL AT LOCATION BETWEEN EXISTING BUILDING AND NEW ADDITION DURING THE CONSTRUCTION PROCESS. WALL ASSEMBLY TO COMPLY WITH U.L. U-305.

PARTIAL PLAN - EXISTING

PARTIAL PLAN - DEMOLITION

PARTIAL PLAN - RENOVATED

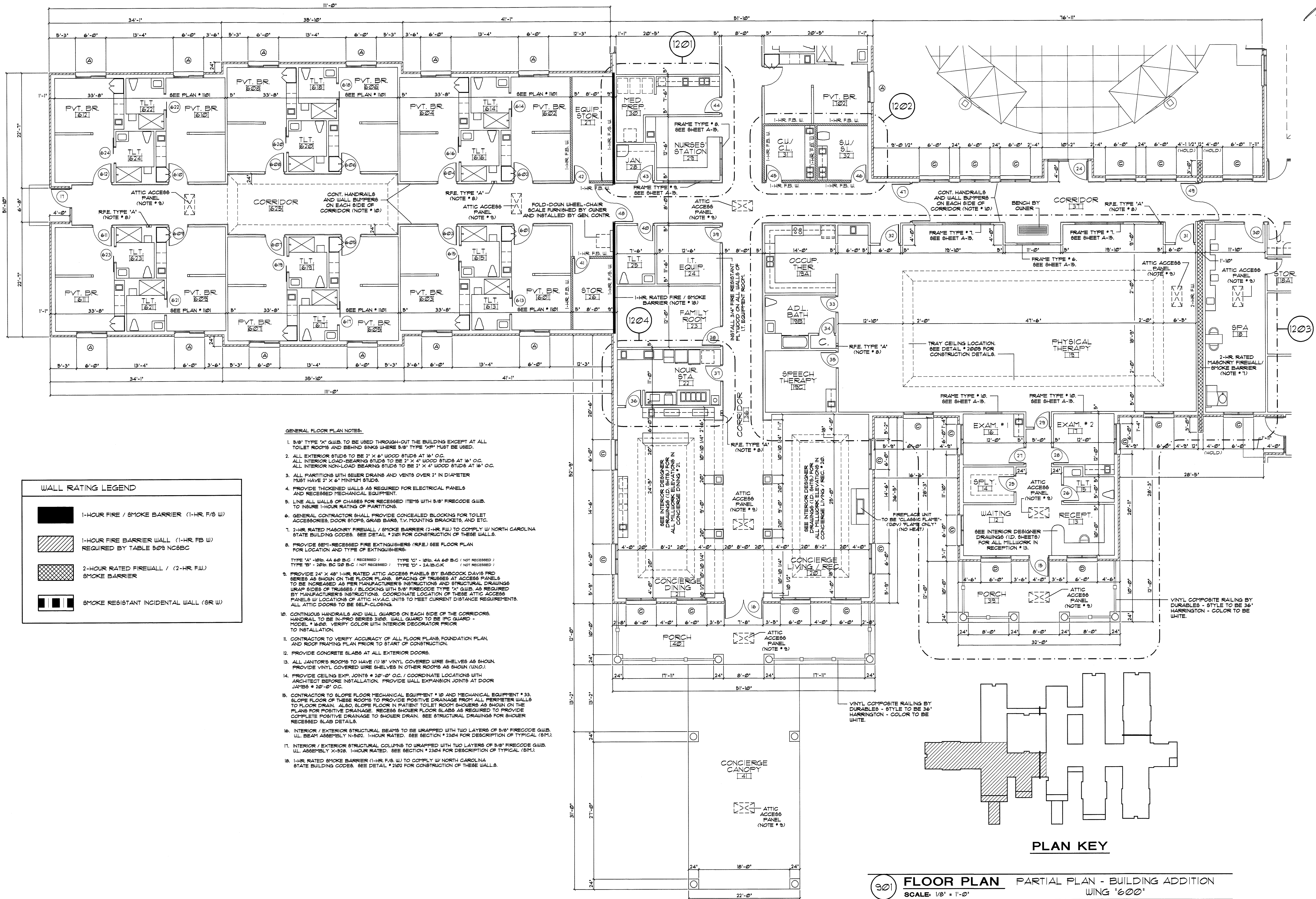
**804 FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

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

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

**806 FLOOR PLAN** TEMPORARY EXIT DURING CONSTRUCTION  
SCALE: 1/4" = 1'-0"





8-25-2025

**PRUITTHEALTH**  
**TOWN CENTER**  
Harrisburg, North Carolina

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

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS


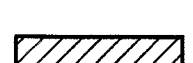
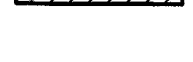

**A**  
**9**

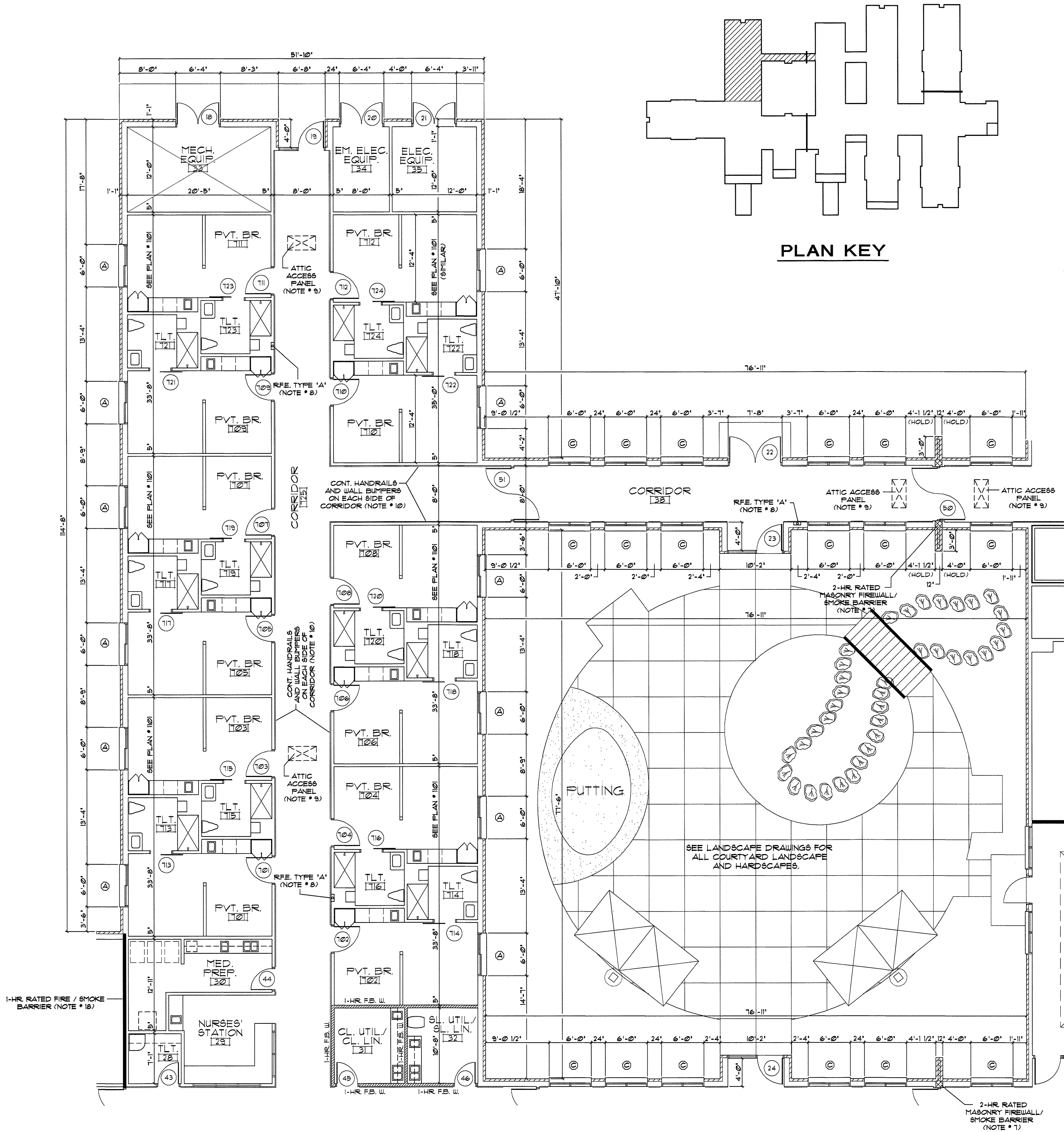


GENERAL FLOOR PLAN NOTES:

- 5/8" TYPE 'X' G.W.B. TO BE USED THROUGH-OUT THE BUILDING EXCEPT AT ALL TOILET ROOMS AND BEHIND 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.
- 2-HR. RATED MASONRY FIREWALL / SMOKE BARRIER (2-HR. FB.W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2102 FOR CONSTRUCTION OF THESE WALLS.
- PROVIDE SEMI-RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS.  
TYPE 'A' - 1010, 4A 500 B-C ( RECESSED )      TYPE 'C' - 1010, 4A 500 B-C ( NOT RECESSED )  
TYPE 'B' - 2010, BC 120 B-C ( NOT RECESSED )      TYPE 'D' - 2A-B-C-K ( NOT RECESSED )
- PROVIDE 24" X 48" 1-HR. RATED ATTIC ACCESS PANELS BY BABCOCK DAVIDS FRD SERIES AS SHOWN ON THE FLOOR PLANS. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS AND STRUCTURAL DRAWINGS WRAP SIDES OF TRUSSES / BLOCKING WITH 5/8" FIRECODE TYPE 'X' G.W.B. AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. COORDINATE LOCATION OF THESE ATTIC ACCESS PANELS W/ LOCATIONS OF ATTIC HVAC UNITS TO MEET CURRENT DISTANCE REQUIREMENTS. ALL ATTIC DOORS TO BE SELF-CLOSING.
- CONTINUOUS HANDRAILS AND WALL GUARDS ON EACH SIDE OF THE CORRIDORS. HANDRAIL TO BE IN-FRMO SERIES 3102S. WALL GUARD TO BE IFC GUARD - MODEL # 1600. VERIFY COLOR WITH INTERIOR DECORATOR PRIOR TO 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 (UNO.).
- PROVIDE CEILING EXP. JOINTS # 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION. PROVIDE WALL EXPANSION JOINTS AT DOOR JAMBES # 20'-0" O.C.
- CONTRACTOR TO SLOPE FLOOR MECHANICAL EQUIPMENT # 102 AND MECHANICAL EQUIPMENT # 33. 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 UNWRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL BEAM ASSEMBLY N-502. 1-HOUR RATED. SEE SECTION # 2304 FOR DESCRIPTION OF TYPICAL (51M.).
- INTERIOR / EXTERIOR STRUCTURAL COLUMNS TO UNWRAPPED WITH TWO LAYERS OF 5/8" FIRECODE G.W.B. UL ASSEMBLY X-928. 1-HOUR RATED. SEE SECTION # 2304 FOR DESCRIPTION OF TYPICAL (51M.).
- 1-HR. RATED SMOKE BARRIER (1-HR. F.B.W.) TO COMPLY W/ NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 2102 FOR CONSTRUCTION OF THESE WALLS.

WALL RATING LEGEND

- |   |   |
|---|---|
|  | 1-HOUR FIRE / SMOKE BARRIER (1-HR. F/S W)                             |
|  | 1-HOUR FIRE BARRIER WALL (1-HR. FB.W.)<br>REQUIRED BY TABLE 503 NC85C |
|  | 2-HOUR RATED FIREWALL / (2-HR. F.W.)<br>SMOKE BARRIER                 |
|  | SMOKE RESISTANT INCIDENTAL WALL (SR.W.)                               |



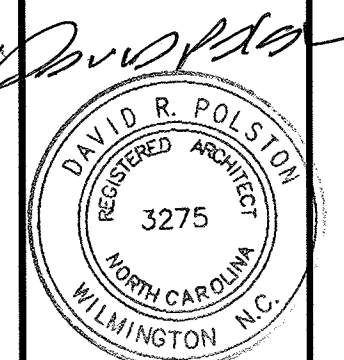
100

FLOOR PLAN

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

PARTIAL PLAN - BUILDING ADDITION

WING '100'



8-25-2025

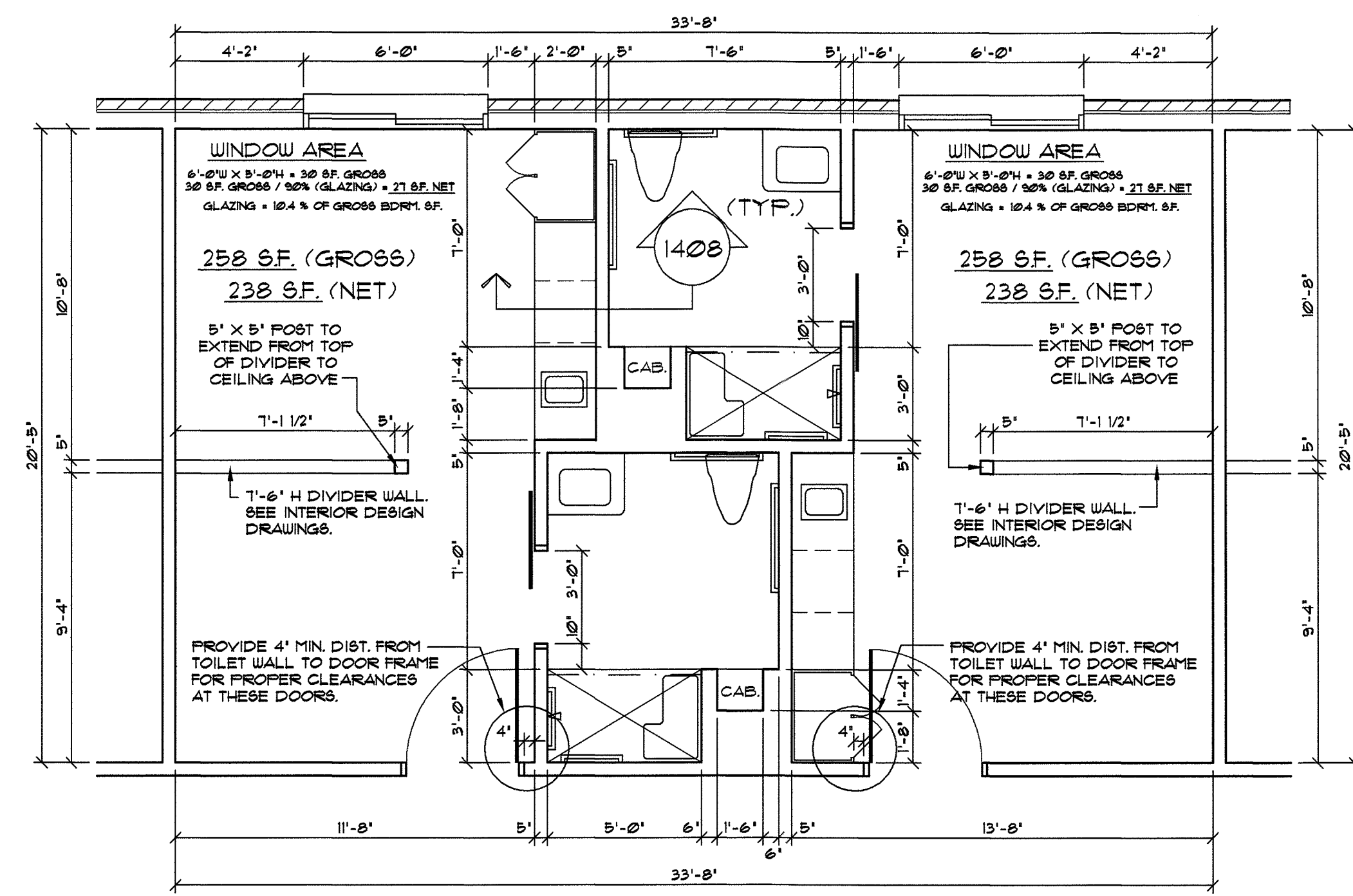
**PRUITTHEALTH**  
**TOWN CENTER**  
Harrisburg, North Carolina

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

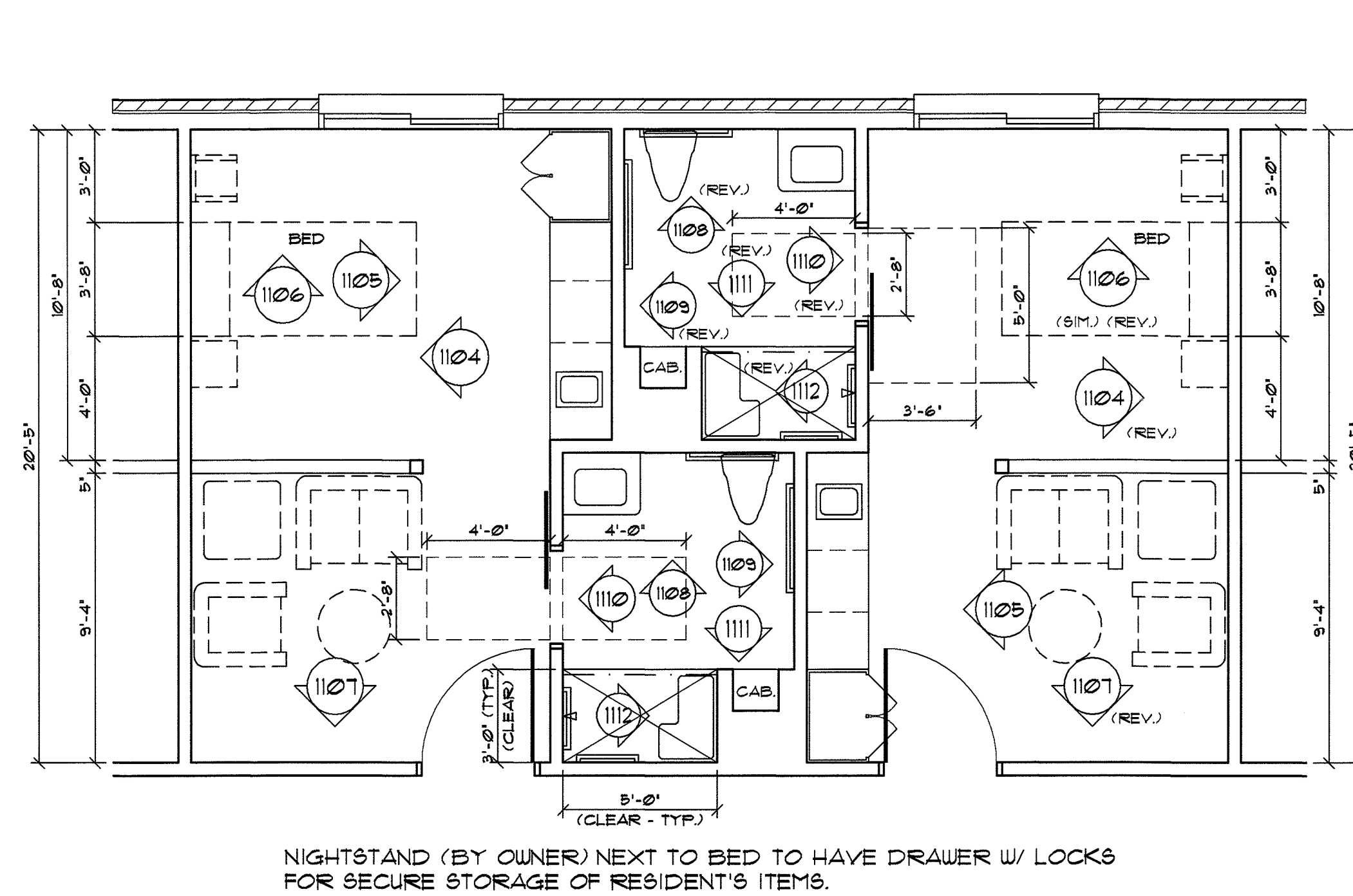
51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A**  
**10**

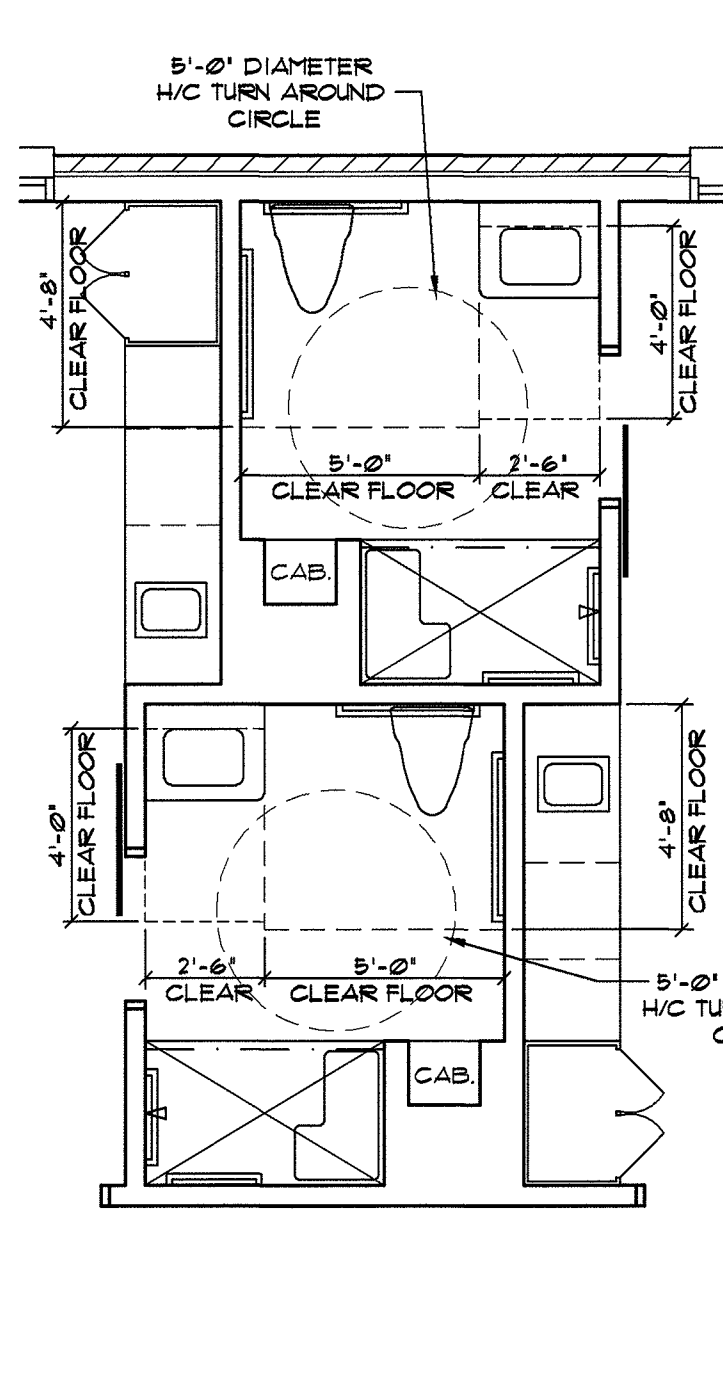




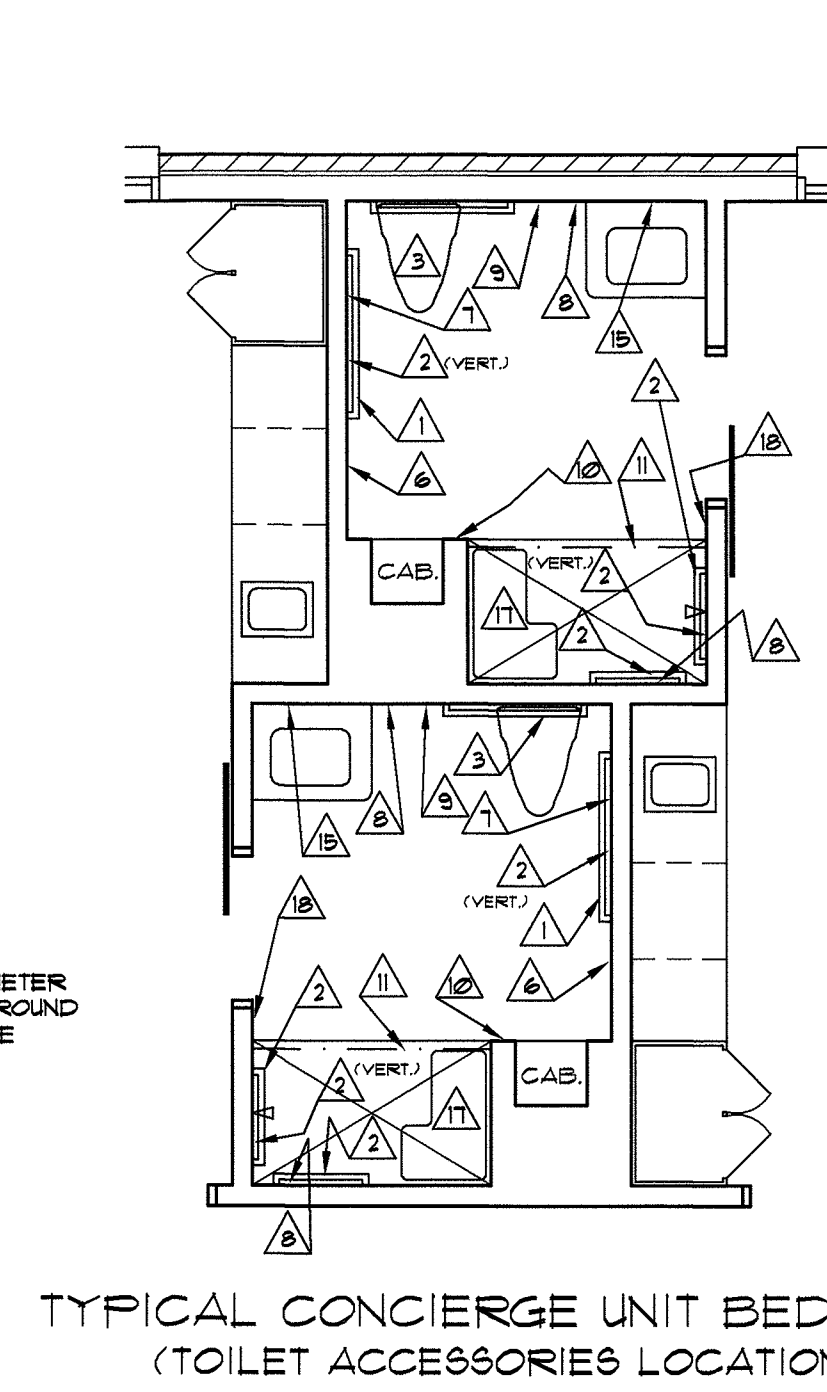
**1101 FLOOR PLAN** TYPICAL CONCIERGE UNIT BEDROOM  
SCALE: 1/4" = 1'-0"



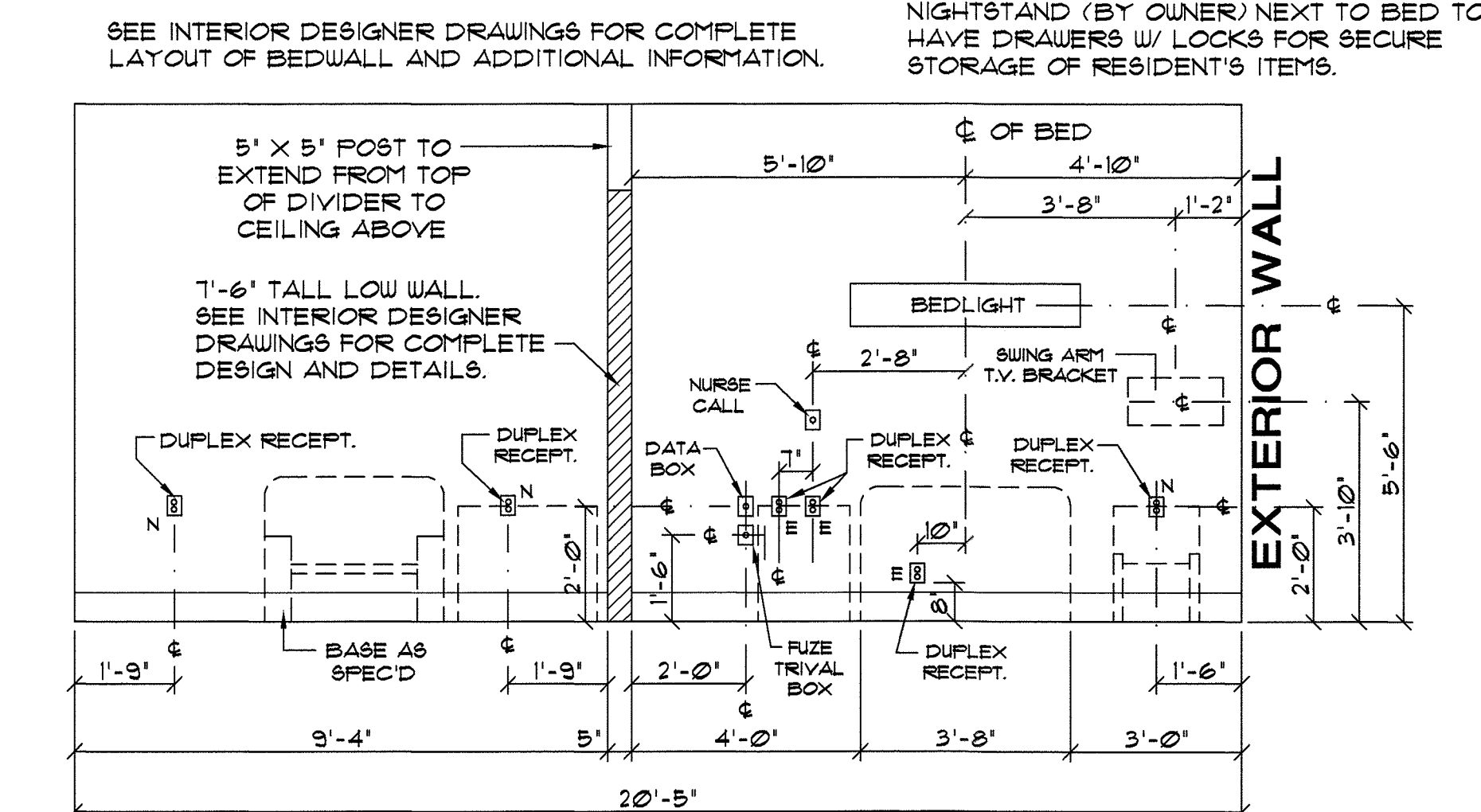
**1102 FLOOR PLAN** TYP. CONCIERGE UNIT BEDROOM  
SCALE: 1/4" = 1'-0"



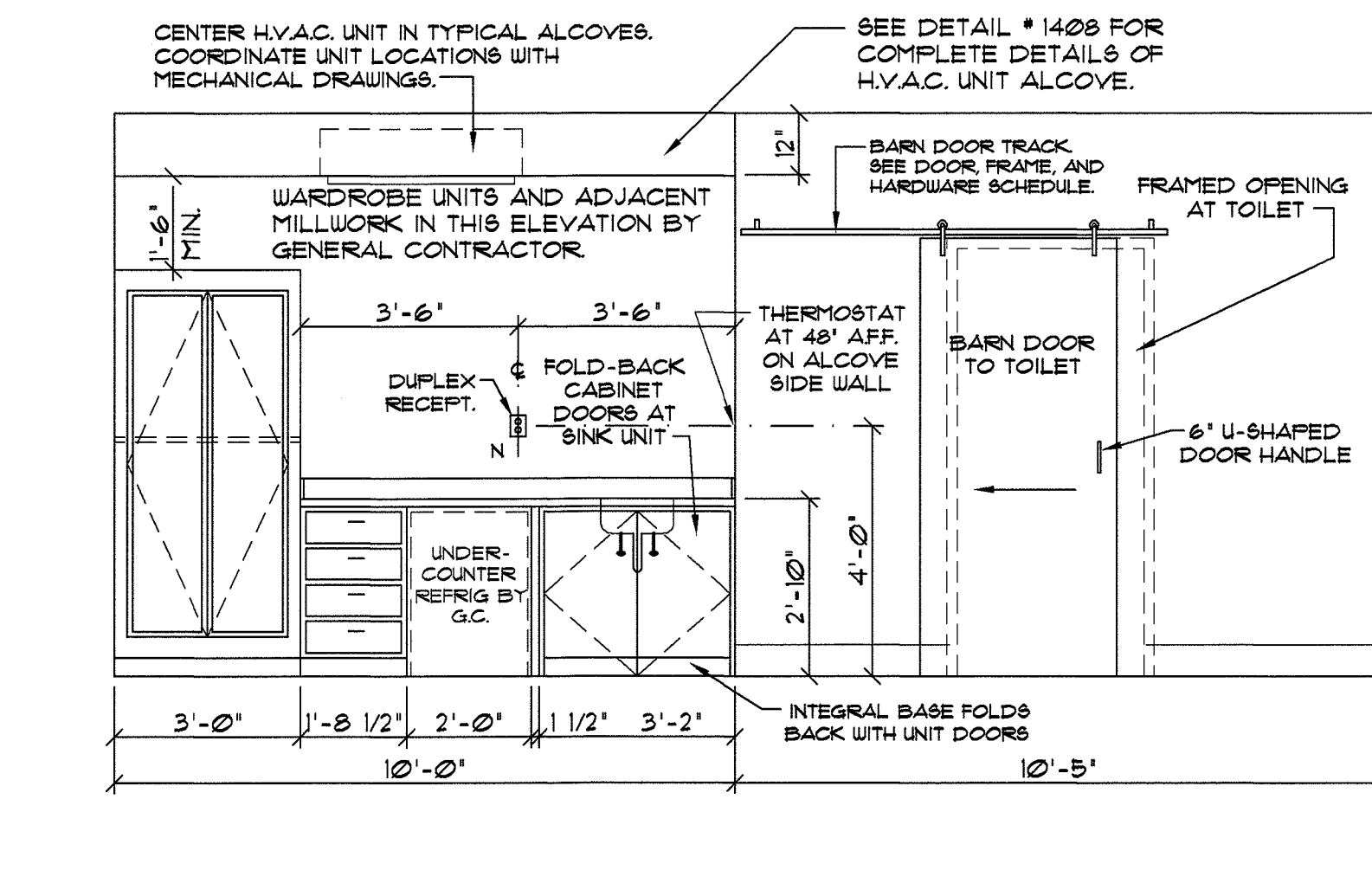
**1103 FLOOR PLAN** TYP. CONCIERGE UNIT BEDROOM  
SCALE: 1/4" = 1'-0"



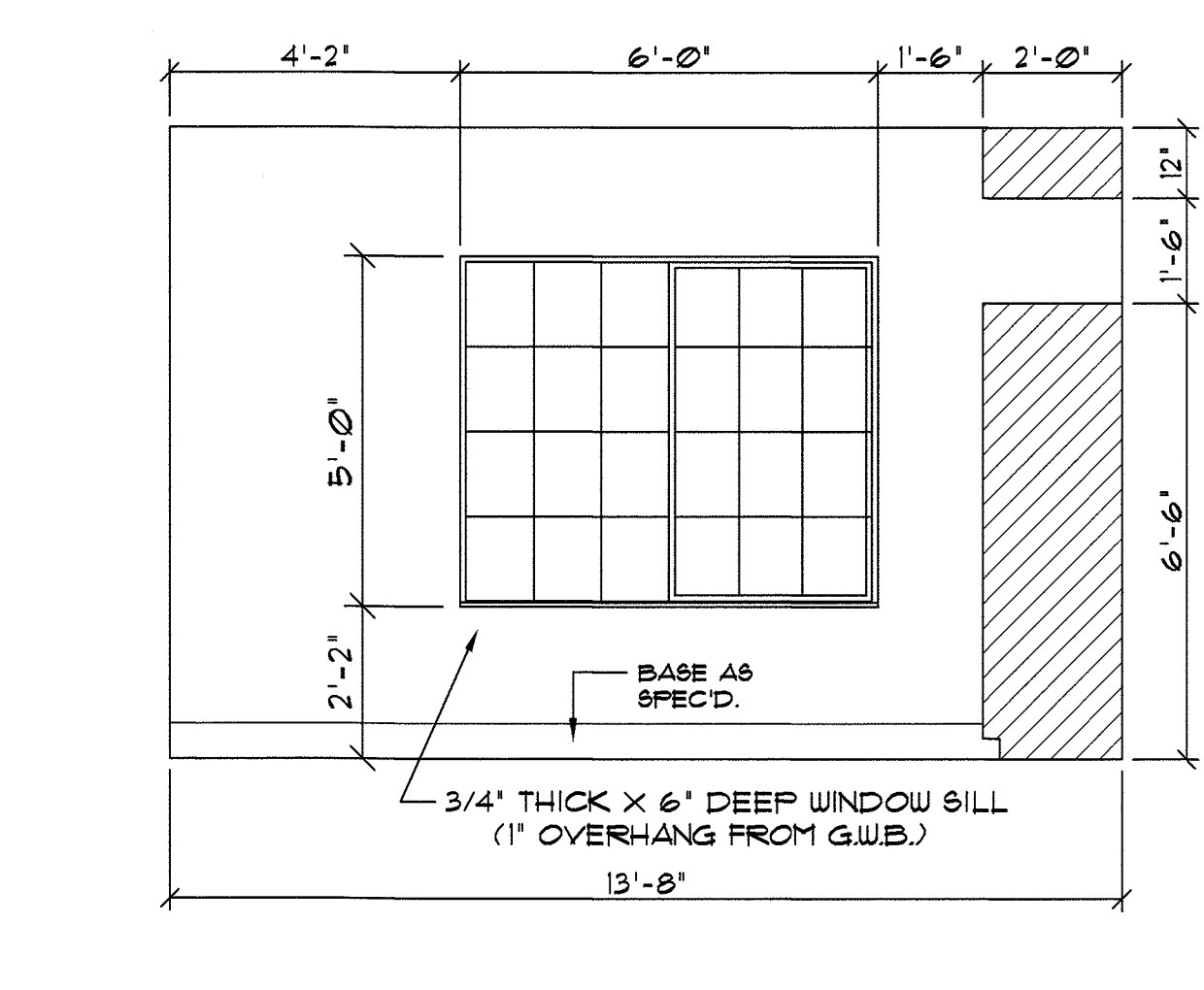
**1104 FLOOR PLAN** TYPICAL CONCIERGE UNIT BEDROOM  
SCALE: 1/4" = 1'-0"



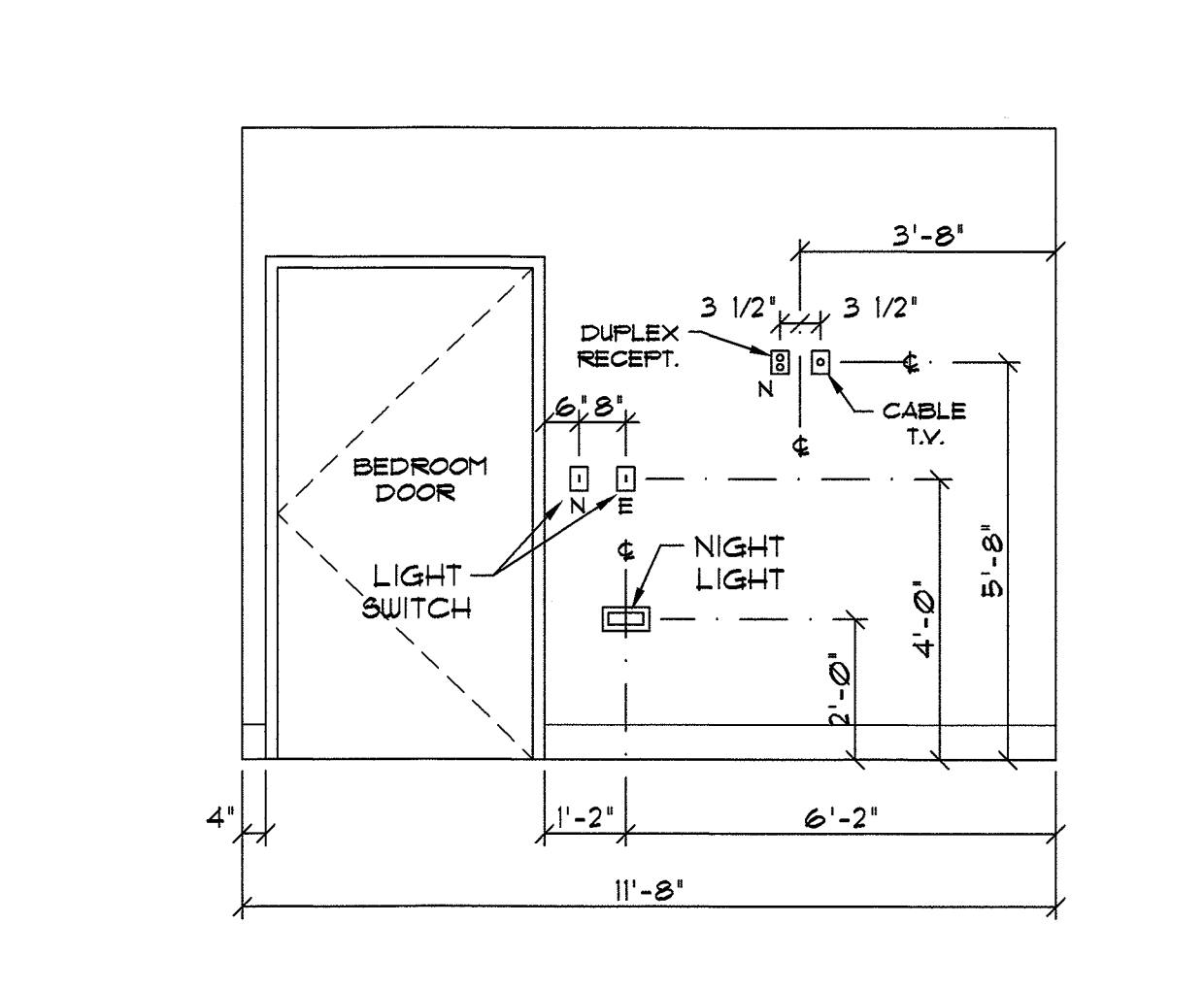
**1105 ELEVATION** BEDWALL AT TYPICAL CONCIERGE SUITE  
SCALE: 3/8" = 1'-0"



**1106 ELEVATION** MILLWORK AT CONCIERGE BEDROOMS W/ WET BARS  
SCALE: 3/8" = 1'-0"



**1107 ELEVATION** WINDOW WALL AT CONCIERGE SUITES  
SCALE: 3/8" = 1'-0"



**1108 ELEVATION** BEDROOM DOOR WALL AT CONCIERGE SUITES  
SCALE: 3/8" = 1'-0"

**WARDROBE NOTES - SEE ELEVATION # 805**

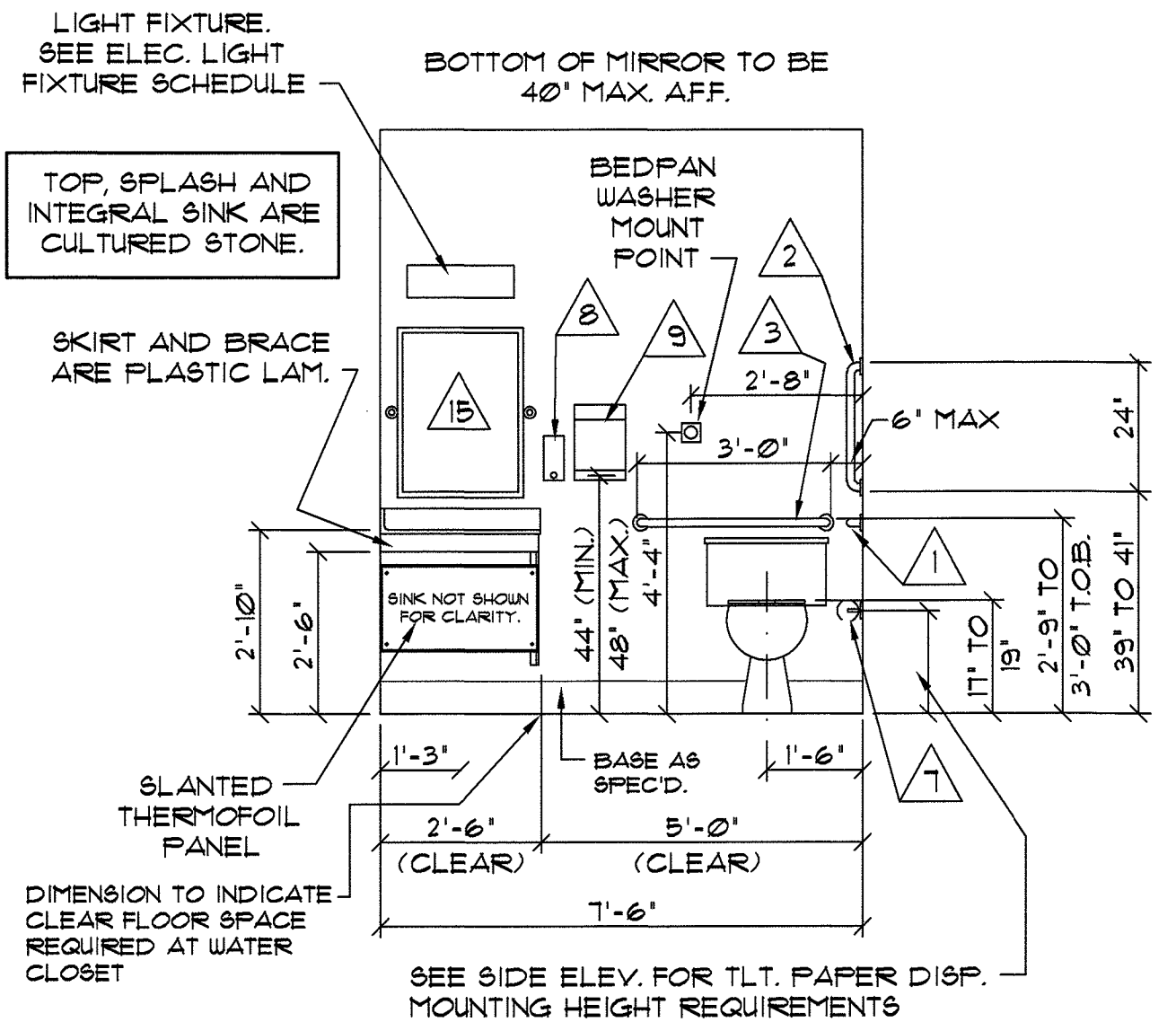
WARDROBE CLOSET ROD TO BE 6" MAXIMUM ABOVE FINISHED FLOOR. DOOR PULLS TO BE OPERABLE WITH ONE HAND, NOT REQUIRE GRASPING, AND OPERABLE BY A FORCE OF 5 POUNDS MAXIMUM.

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

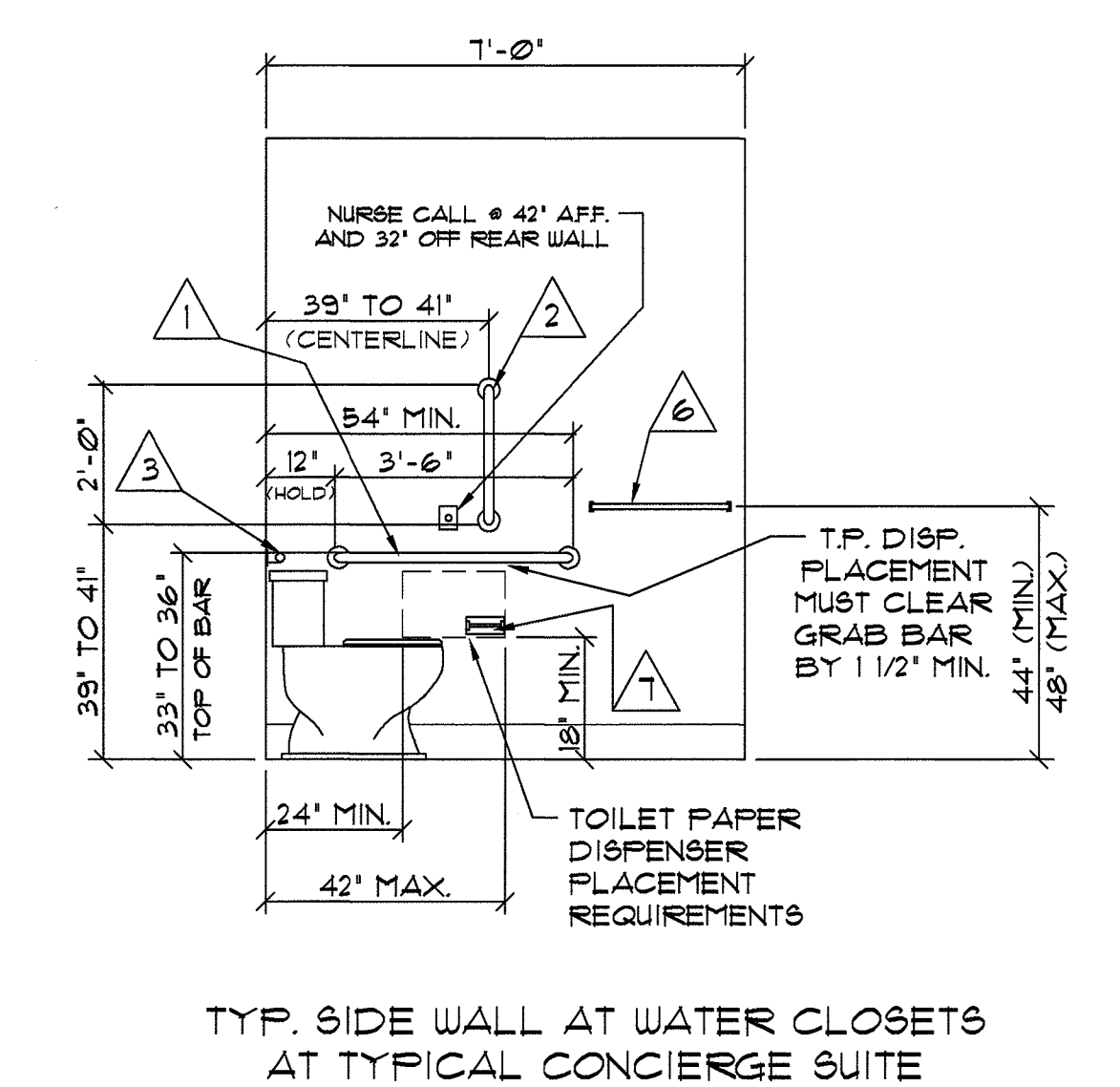
CONTRACTOR TO VERIFY AND COORDINATE LOCATIONS OF ELECTRICAL OUTLETS W/ OWNER PRIOR TO INSTALLATION.

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

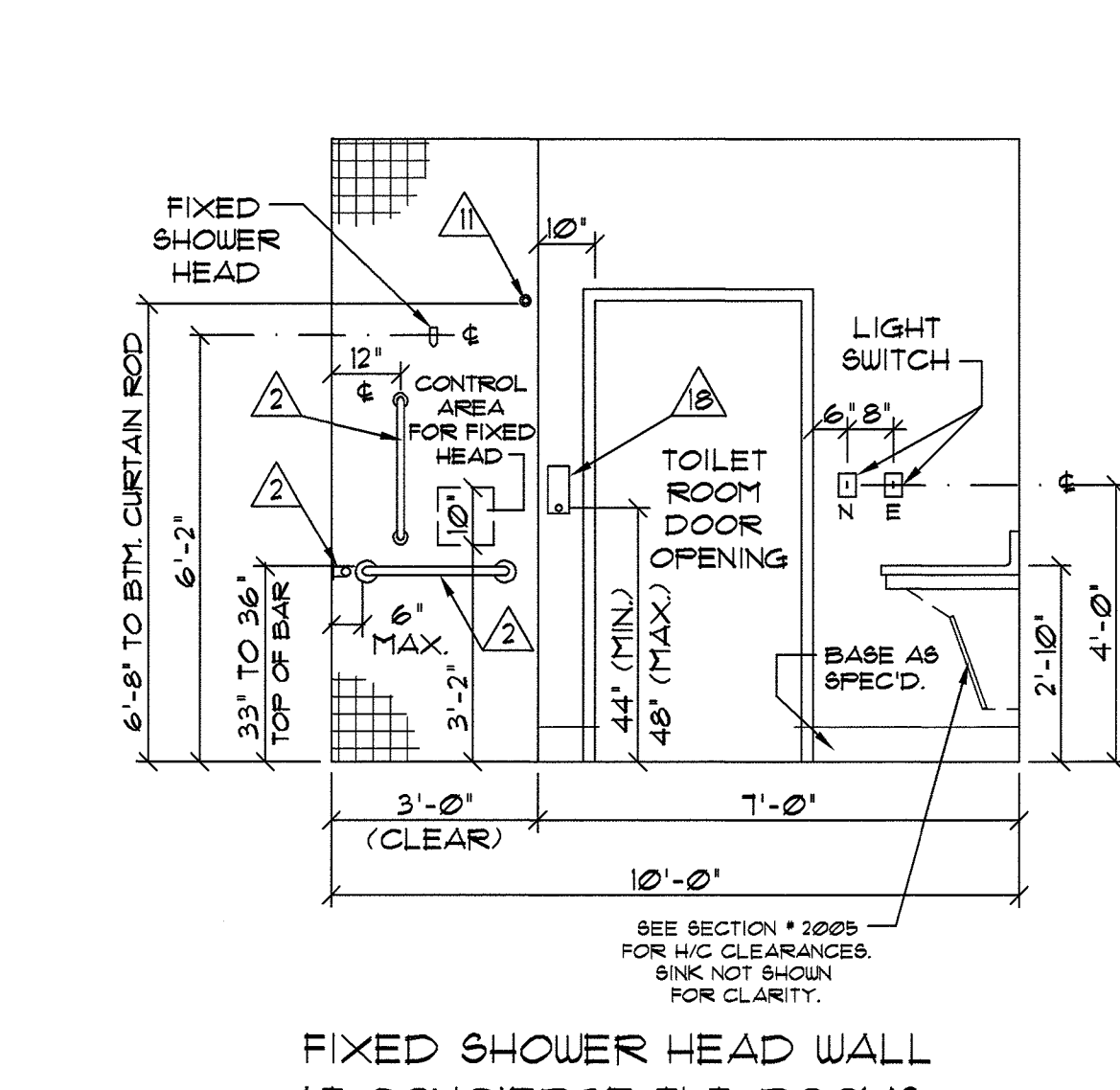
PROVIDE ADJUSTABLE CLOTHES ROD THAT IS ADJUSTABLE IN MAXIMUM OF 4" INCH INCREMENTS FROM 48" TO 68" INCHES ABOVE FINISHED FLOOR



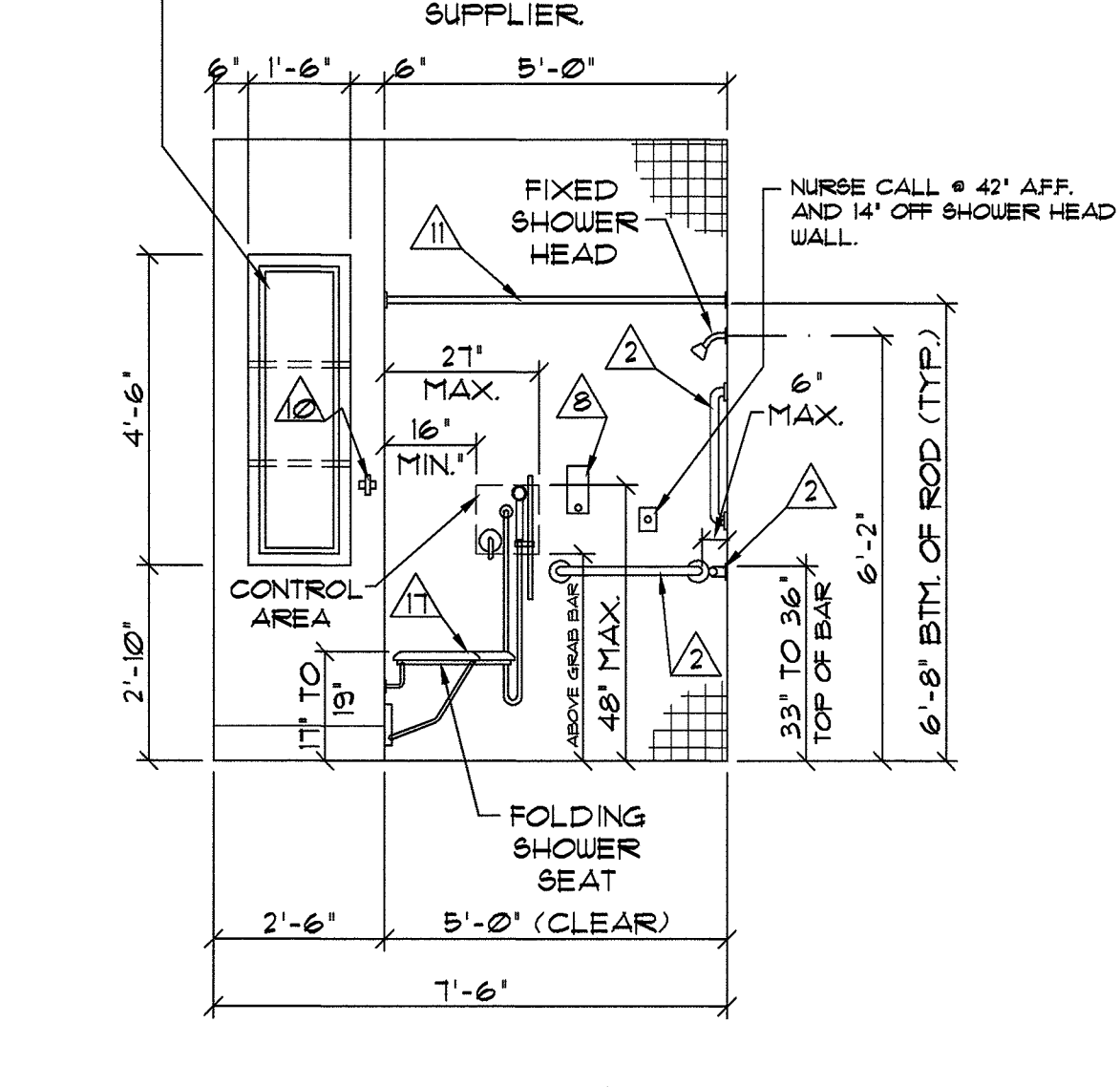
**1109 ELEVATION** TYPICAL FIXTURE WALL AT CONCIERGE SUITE TOILET ROOMS  
SCALE: 3/8" = 1'-0"



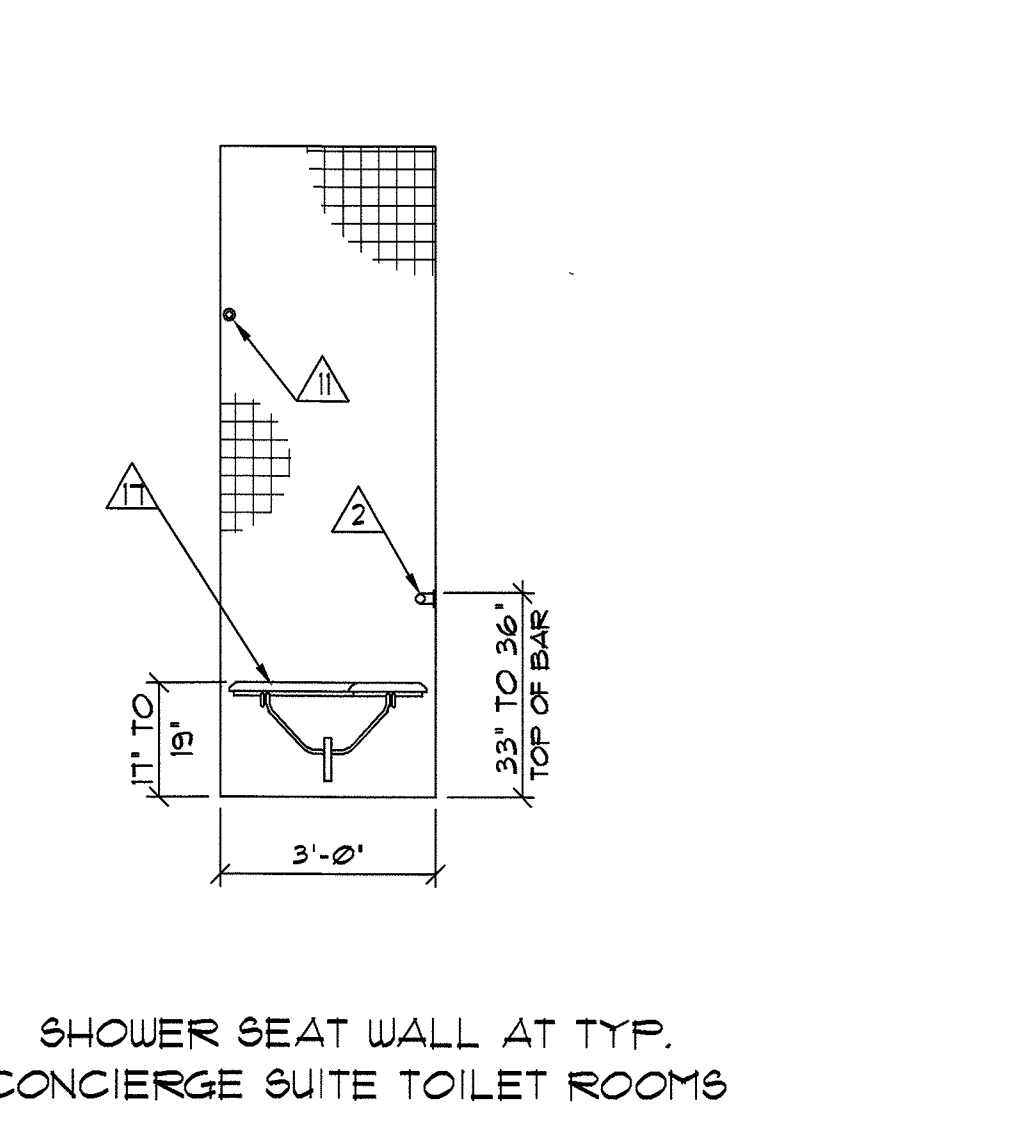
**1110 ELEVATION** TYP. SIDE WALL AT WATER CLOSETS AT TYPICAL CONCIERGE SUITE TOILET ROOMS  
SCALE: 3/8" = 1'-0"



**1111 ELEVATION** FIXED SHOWER HEAD WALL AT CONCIERGE TLT. ROOMS  
SCALE: 3/8" = 1'-0"

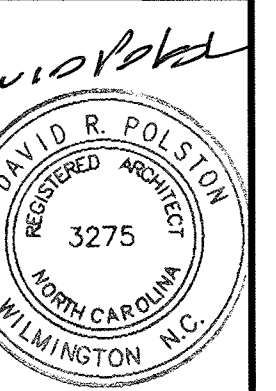
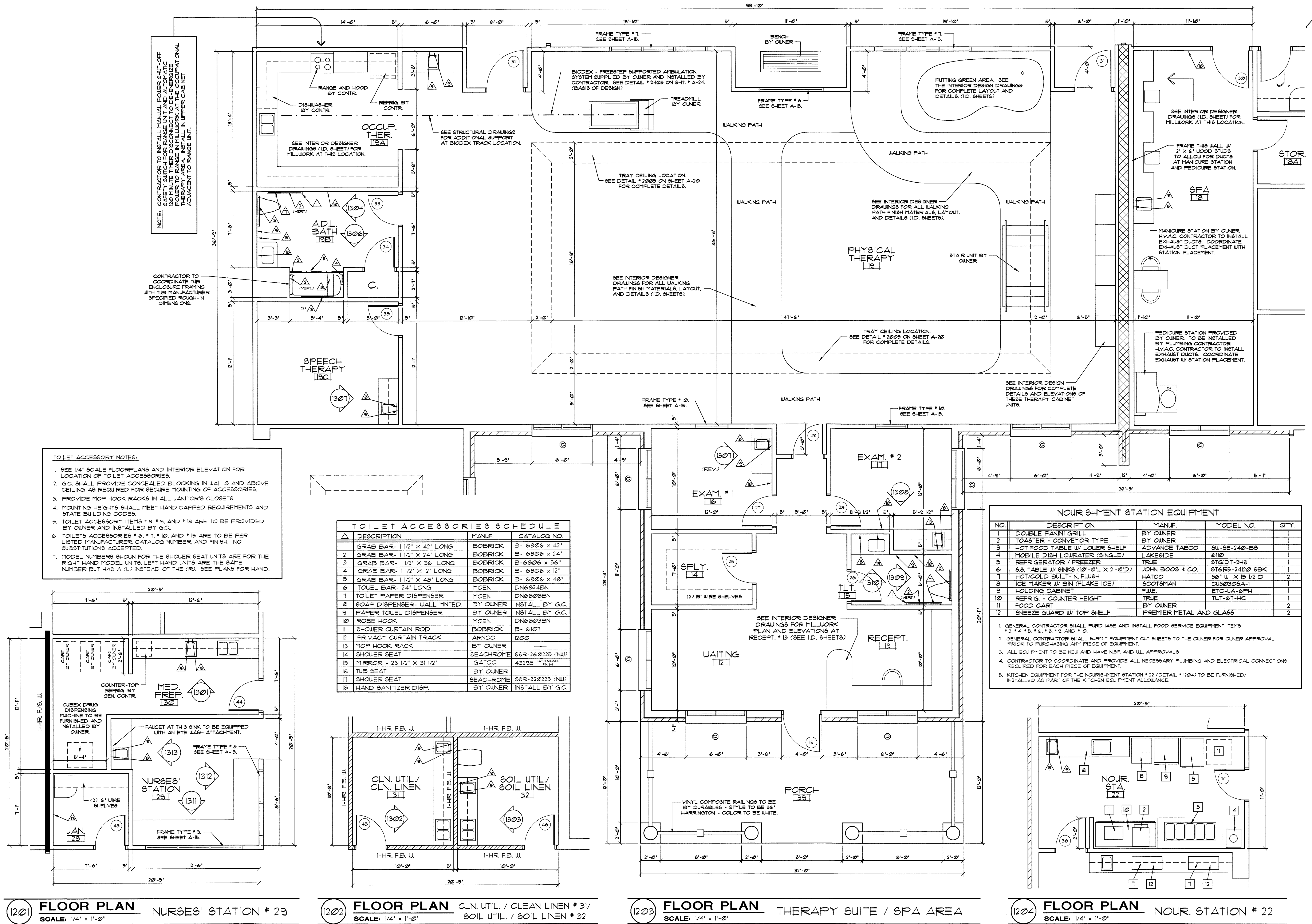


**1112 ELEVATION** SHOWER CONTROL WALL AT TYPICAL CONCIERGE SUITE TOILET ROOMS  
SCALE: 3/8" = 1'-0"



**1113 ELEVATION** SHOWER SEAT WALL AT TYP. CONCIERGE SUITE TOILET ROOMS  
SCALE: 3/8" = 1'-0"





8.25.2025

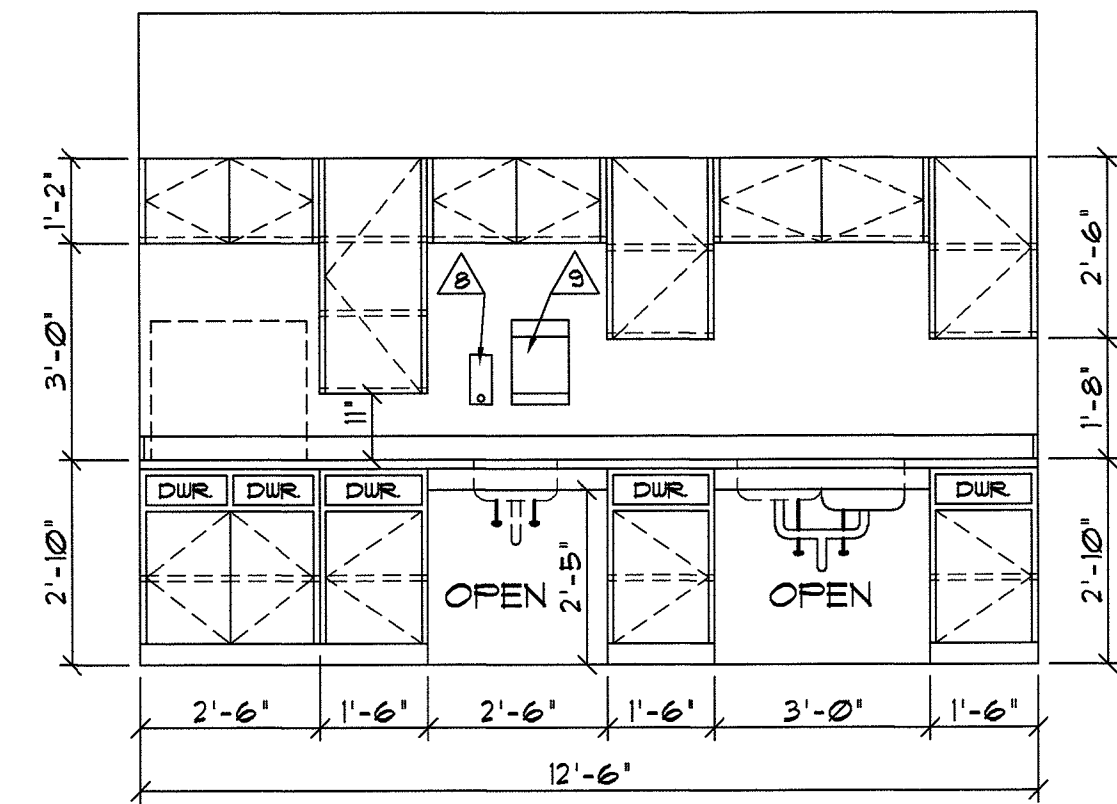
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**David R. Polston - Architect**  
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Architecture Planning Design

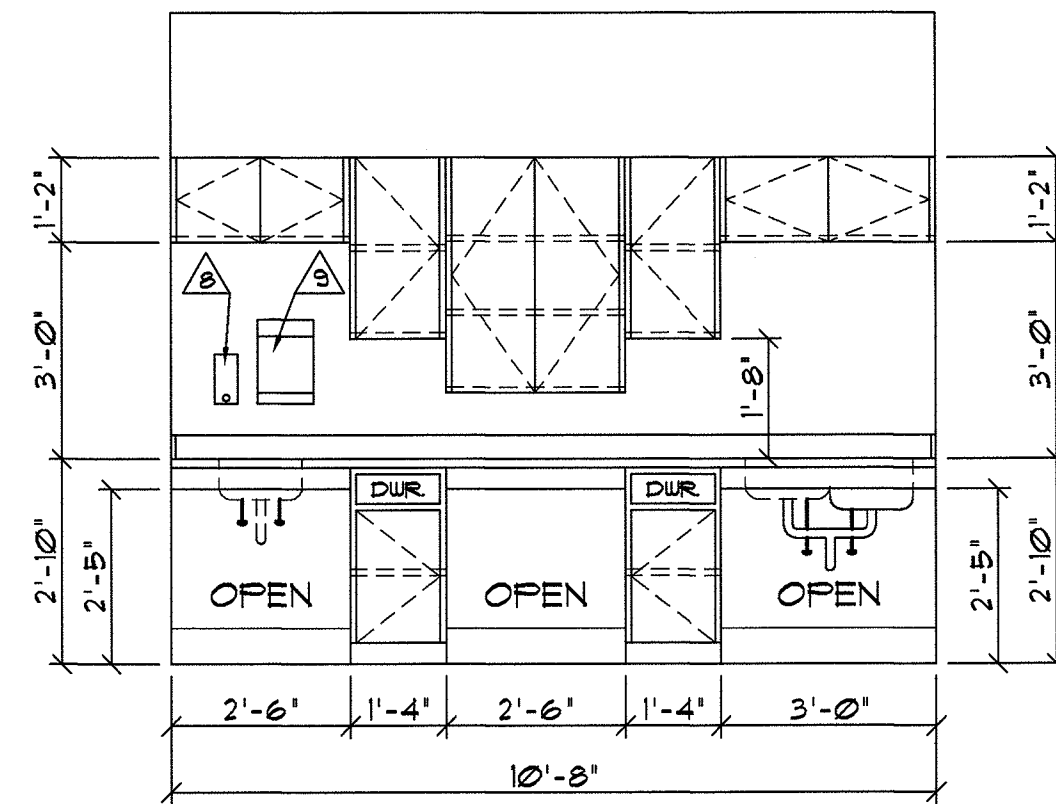
51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A  
12**

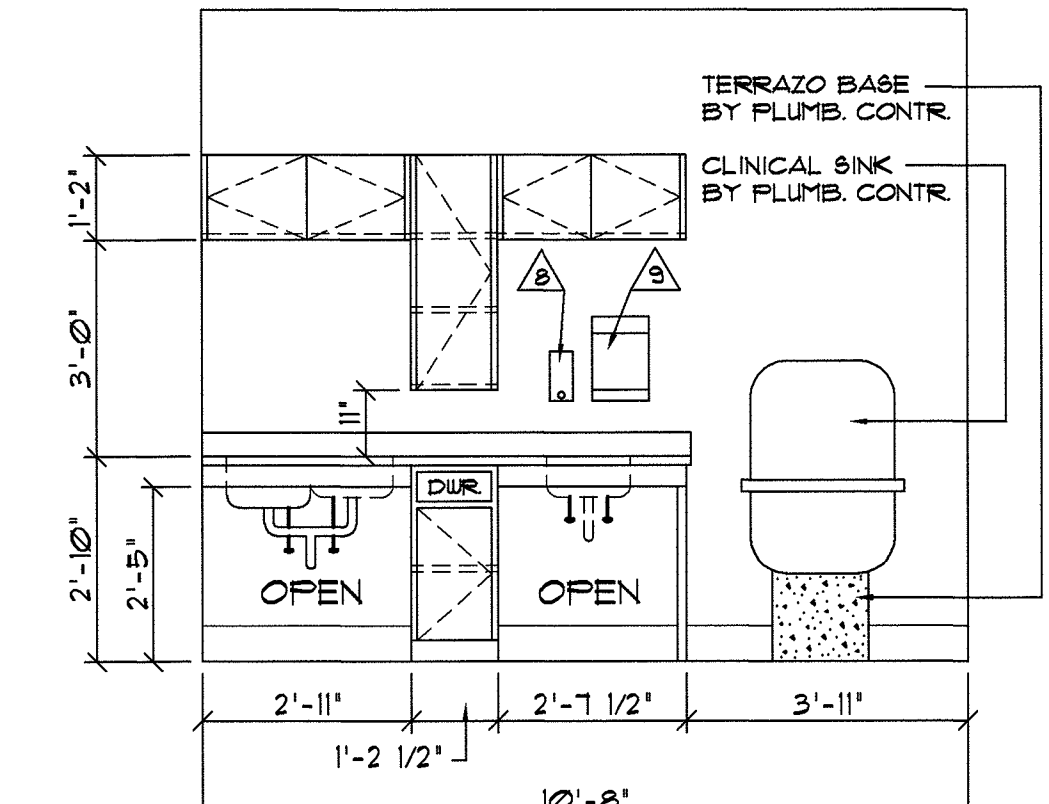




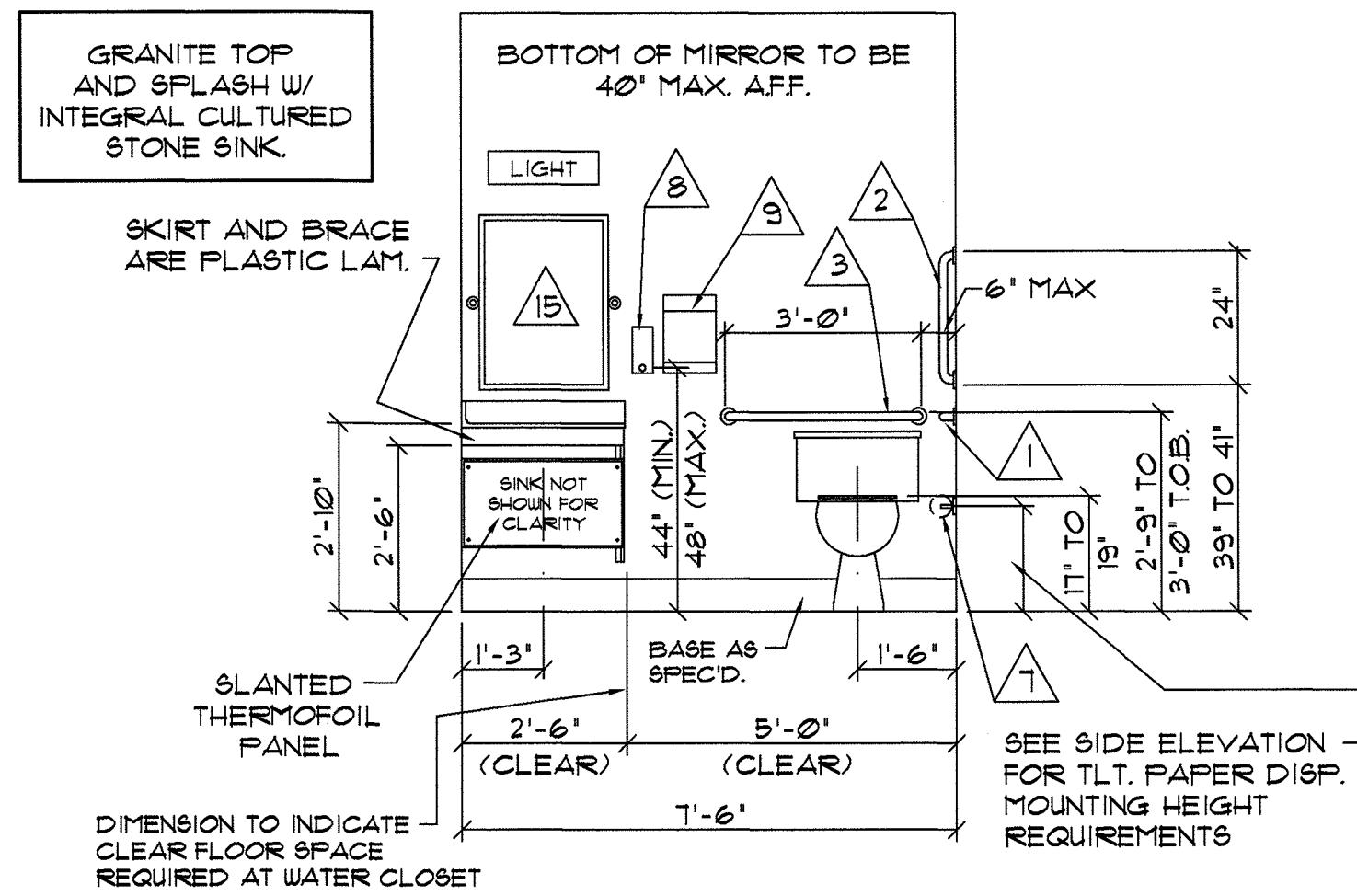
**1301 ELEVATION** MED. PREP. # 30  
SCALE: 3/8" = 1'-0"



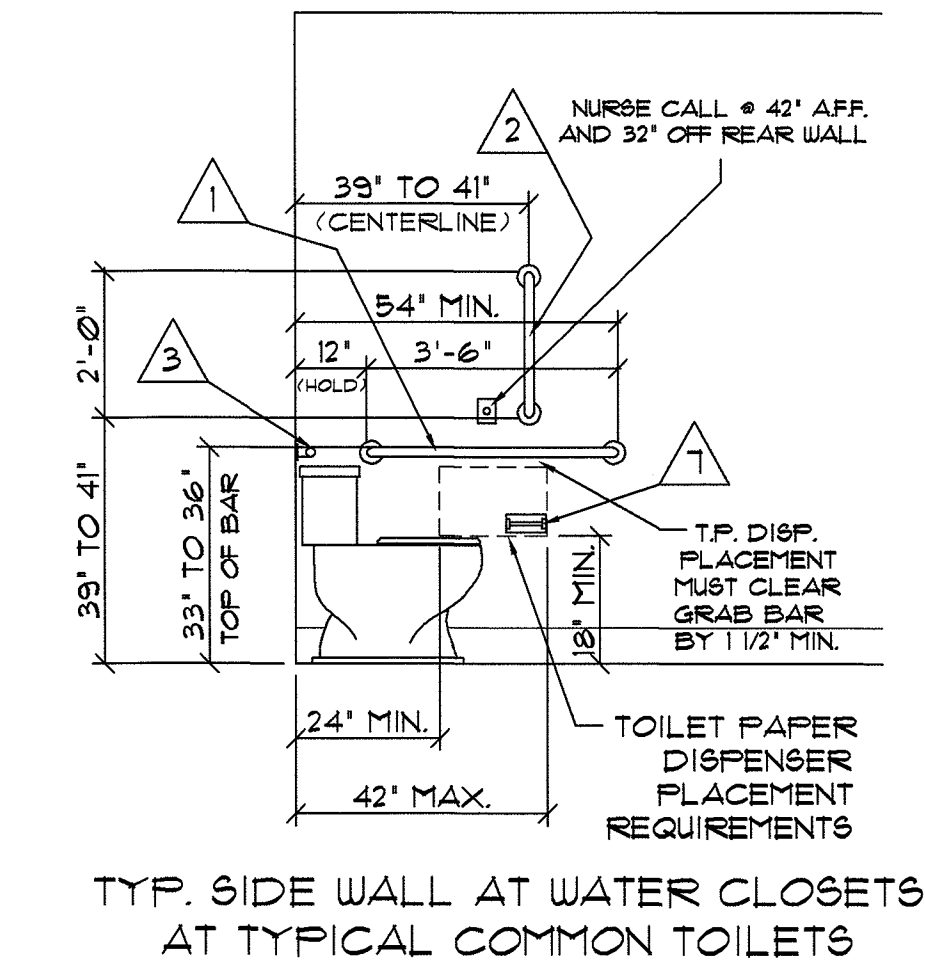
**1302 ELEVATION** CLEAN UTILITY / CLEAN LINEN # 31  
SCALE: 3/8" = 1'-0"



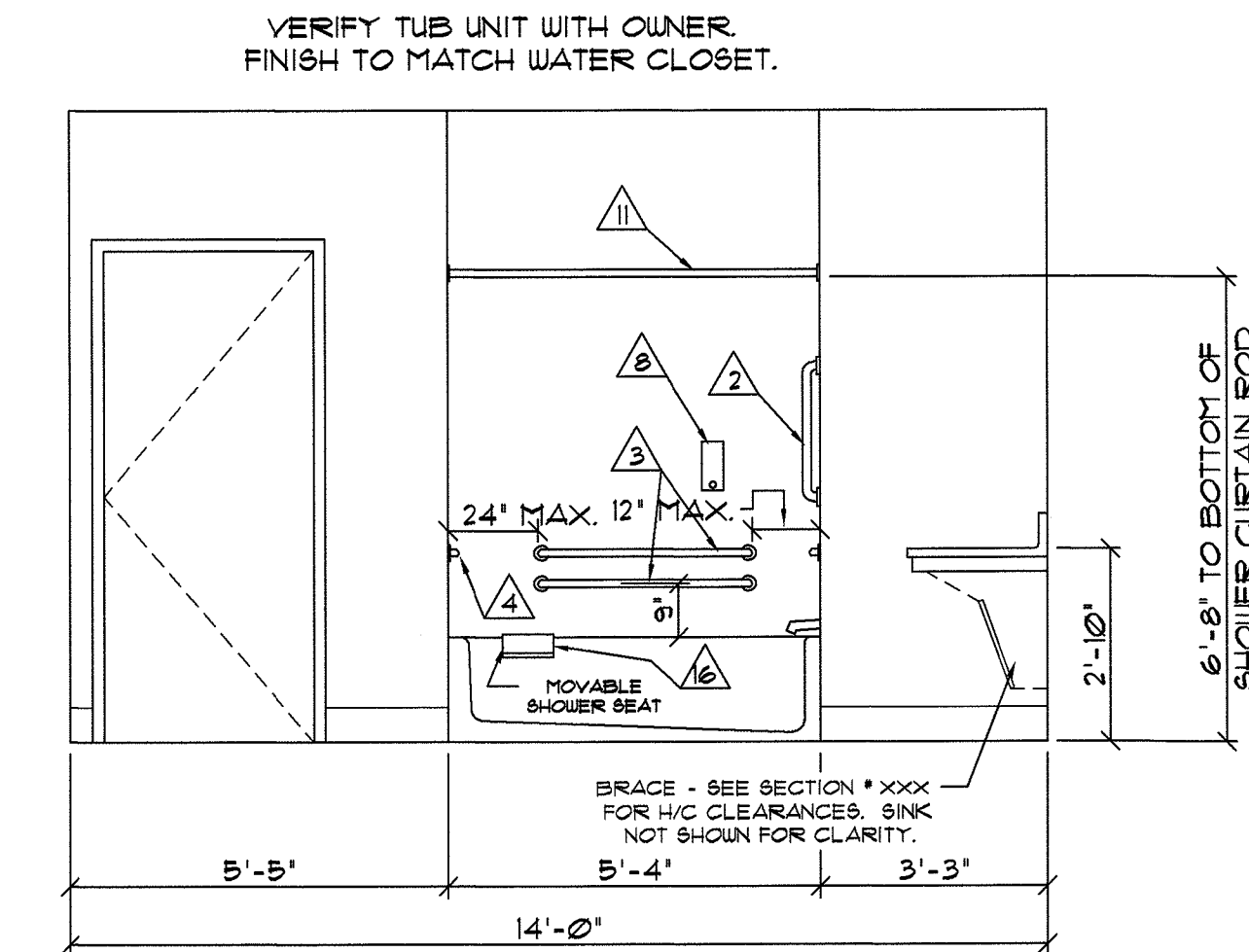
**1303 ELEVATION** SOIL UTILITY / SOIL LINEN # 32  
SCALE: 3/8" = 1'-0"



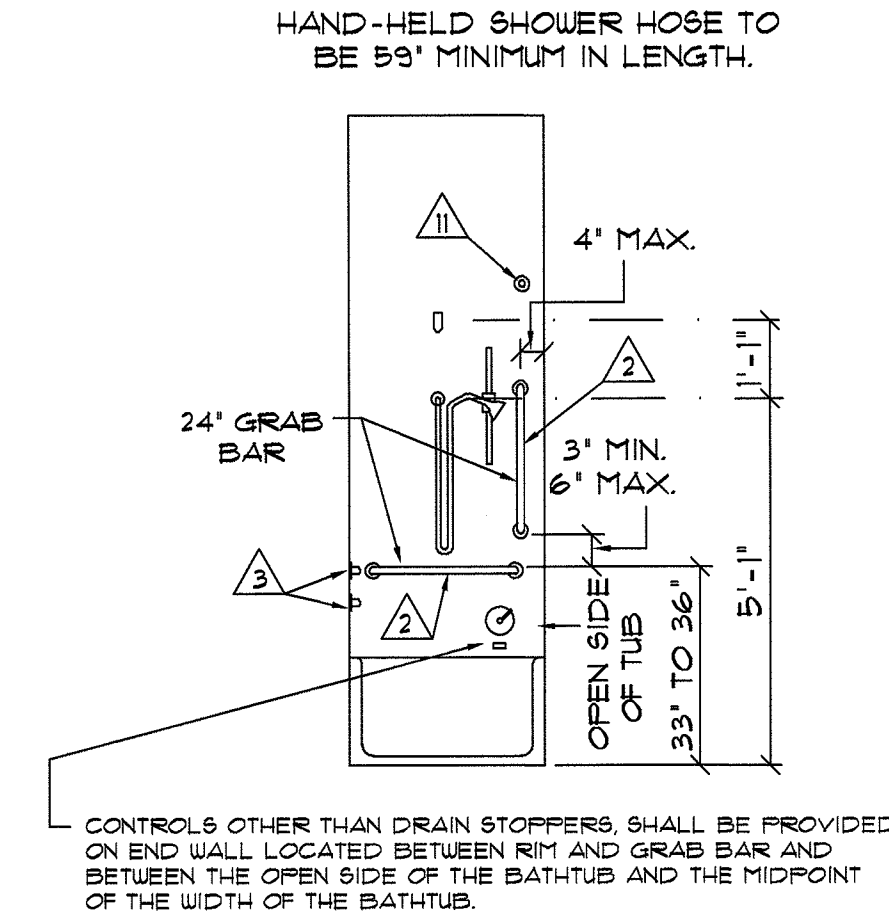
**1304 ELEVATION** TYPICAL TOILET ROOMS AT COMMON AREAS  
SCALE: 3/8" = 1'-0"



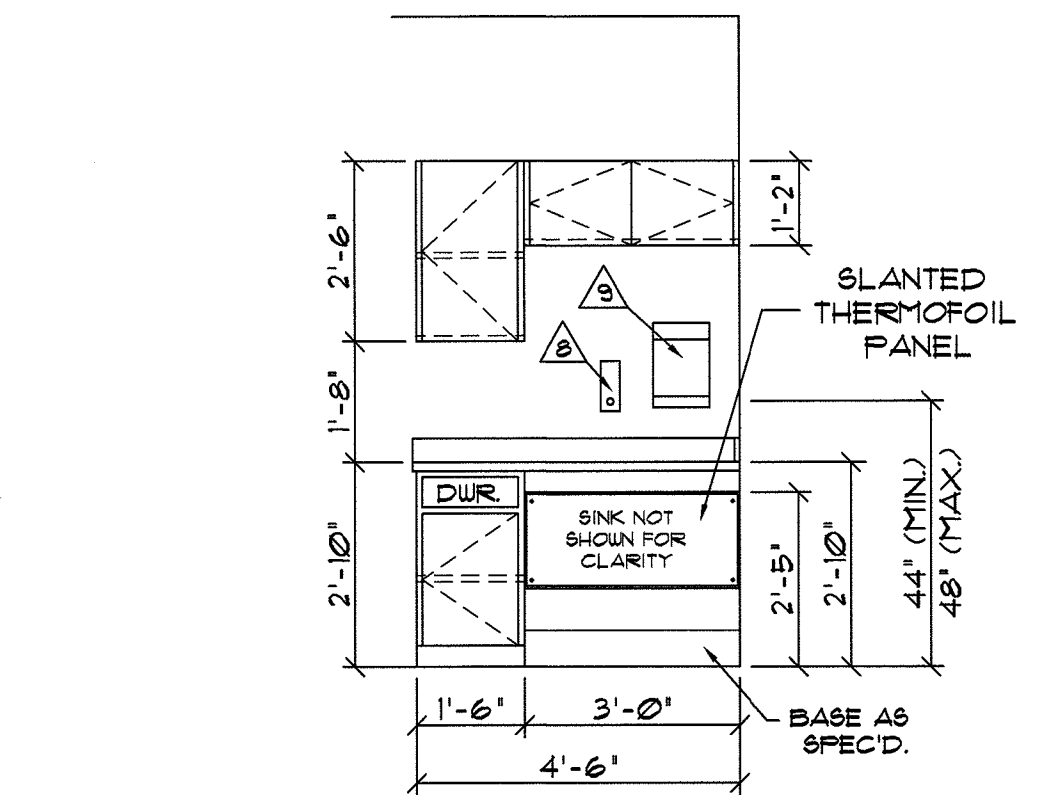
**1305 ELEVATION** TYP. SIDE WALL AT WATER CLOSETS AT TYPICAL COMMON TOILETS  
SCALE: 3/8" = 1'-0"



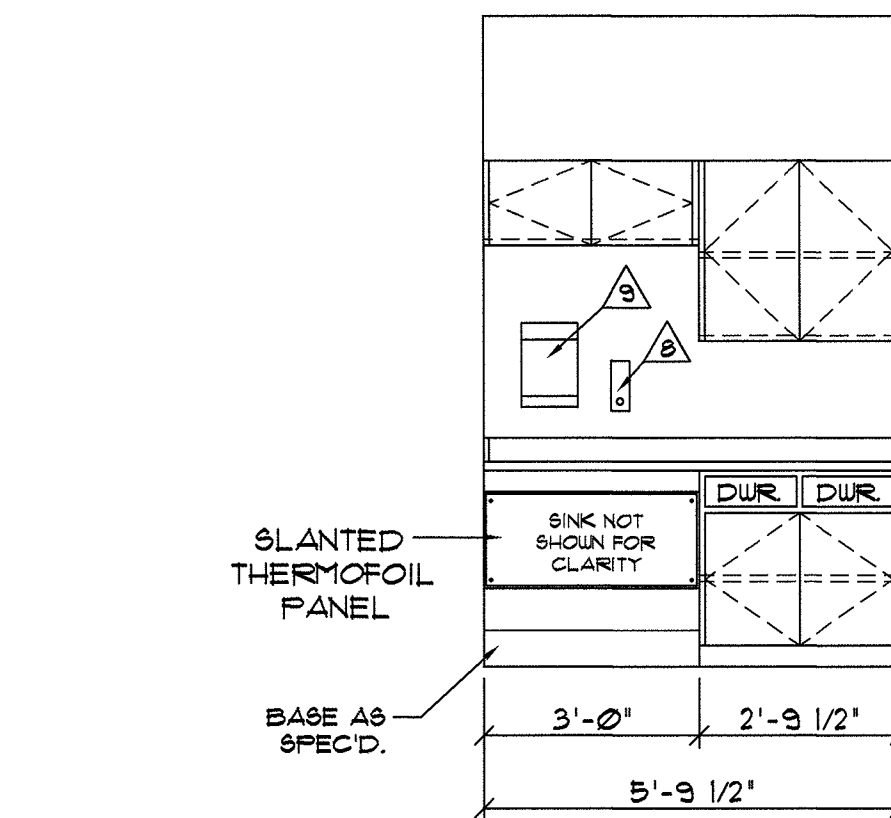
**1306 ELEVATION** SIDE WALL AT TUB  
SCALE: 3/8" = 1'-0"



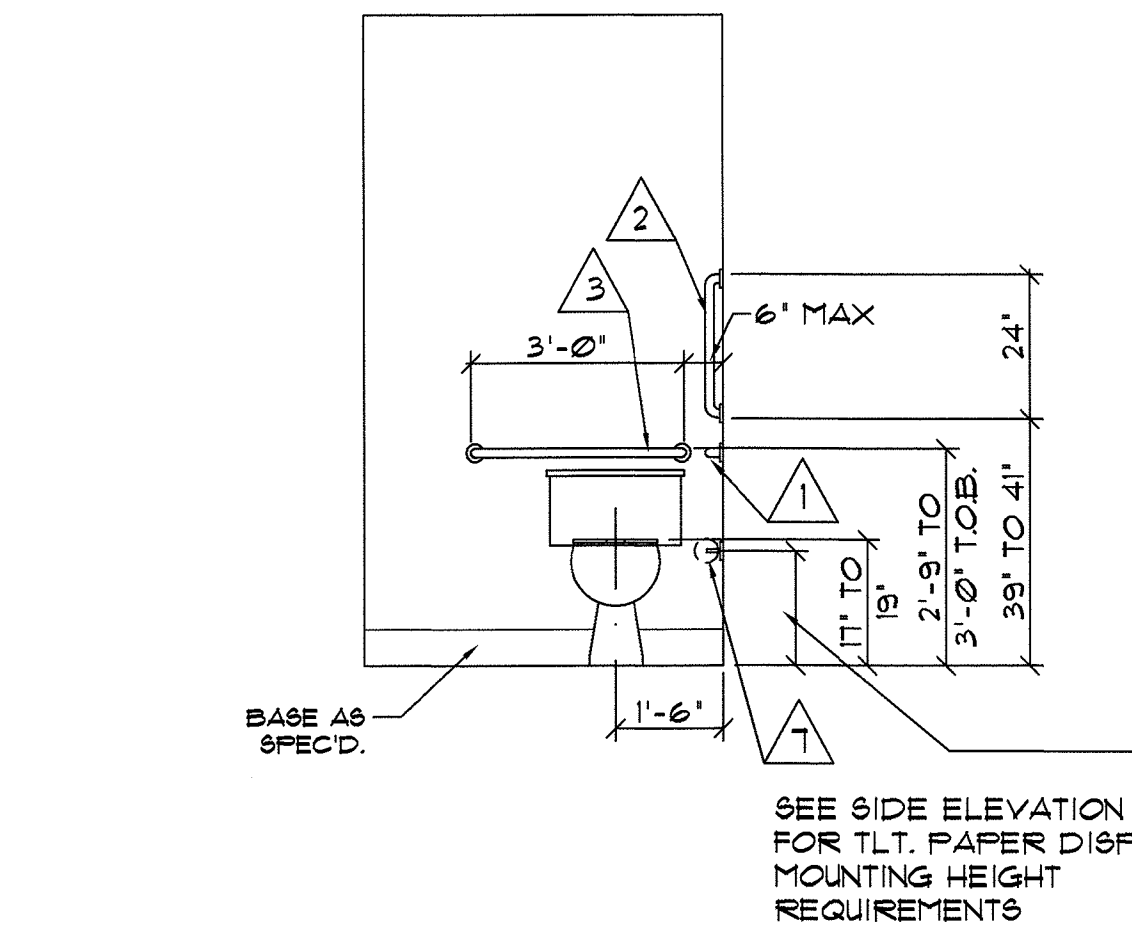
**1307 ELEVATION** CONTROL WALL AT TUB  
SCALE: 3/8" = 1'-0"



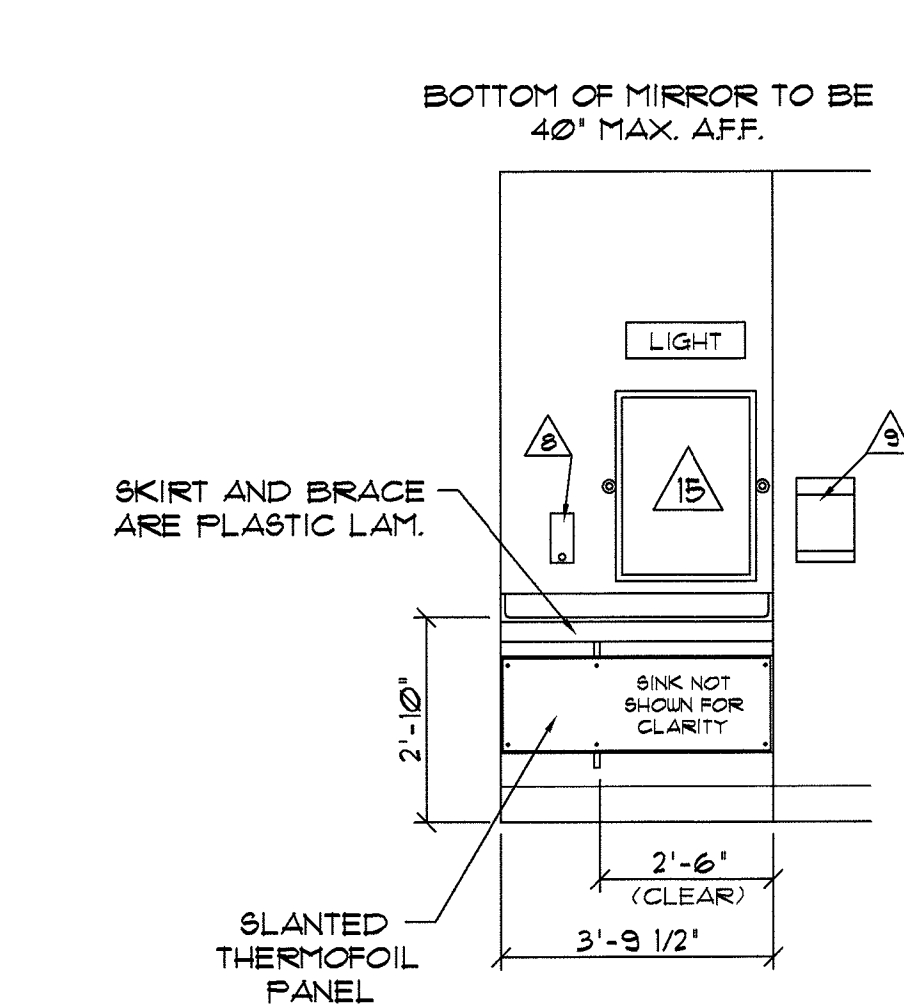
**1308 ELEVATION** SPEECH THER. # 19C / EXAM. NO. 1 # 16 (REV.)  
SCALE: 3/8" = 1'-0"



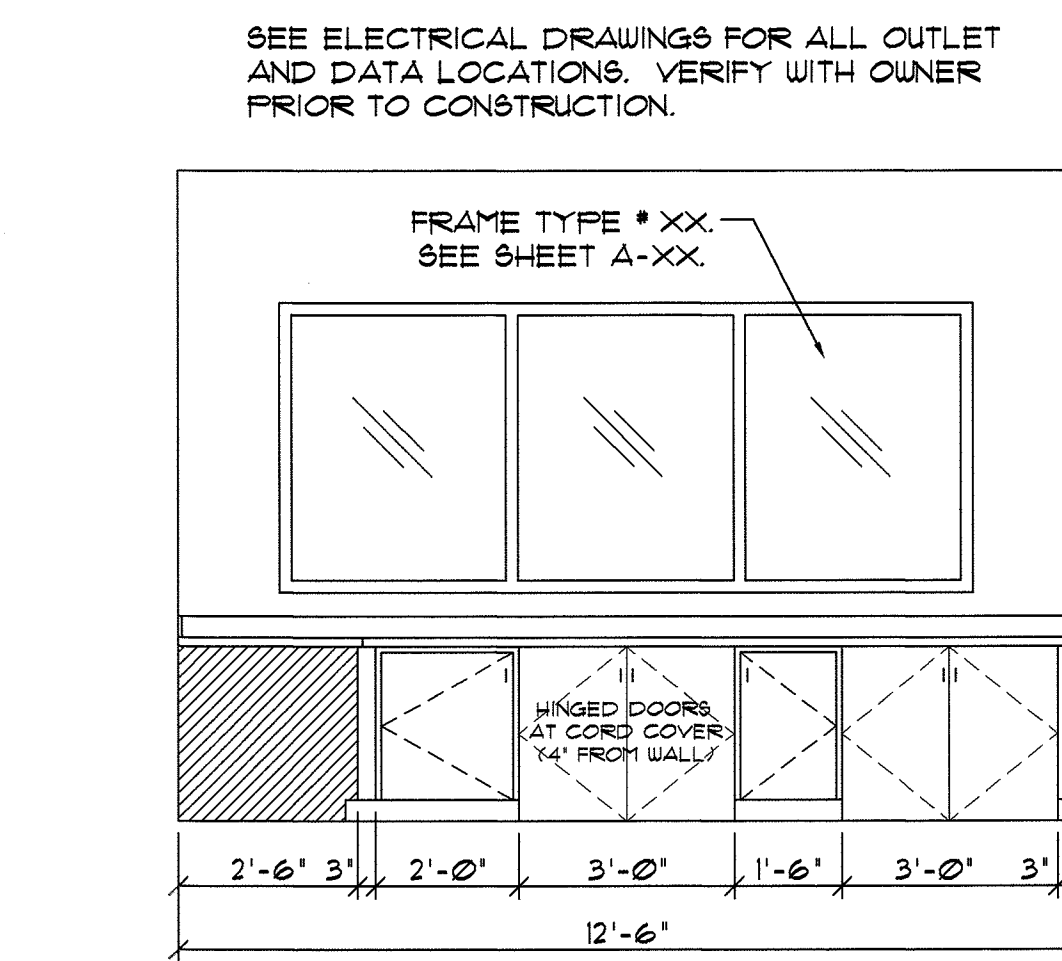
**1309 ELEVATION** EXAM NO. 2 # 17  
SCALE: 3/8" = 1'-0"



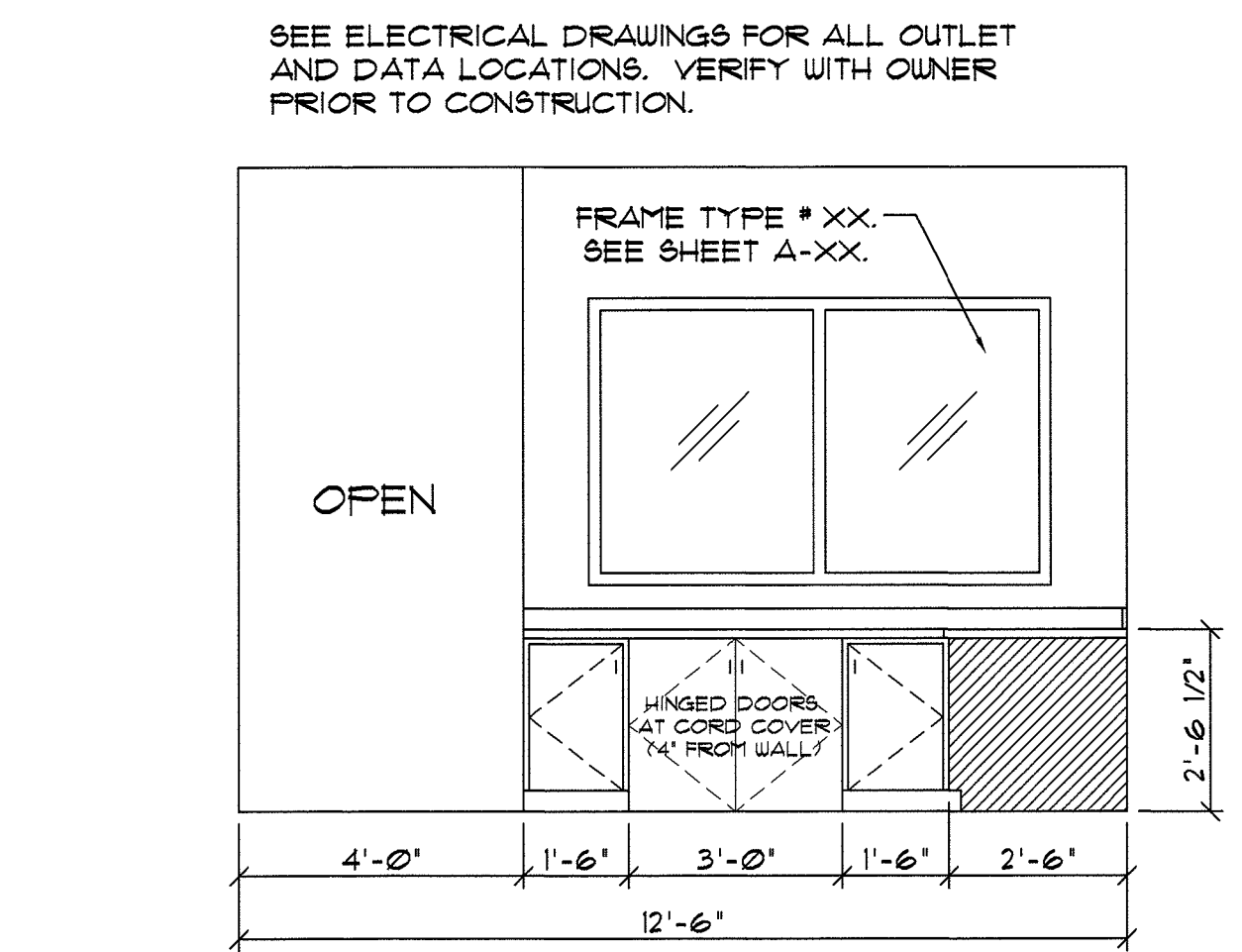
**1310 ELEVATION** WATER CLOSET AT TOILET # 15  
SCALE: 3/8" = 1'-0"



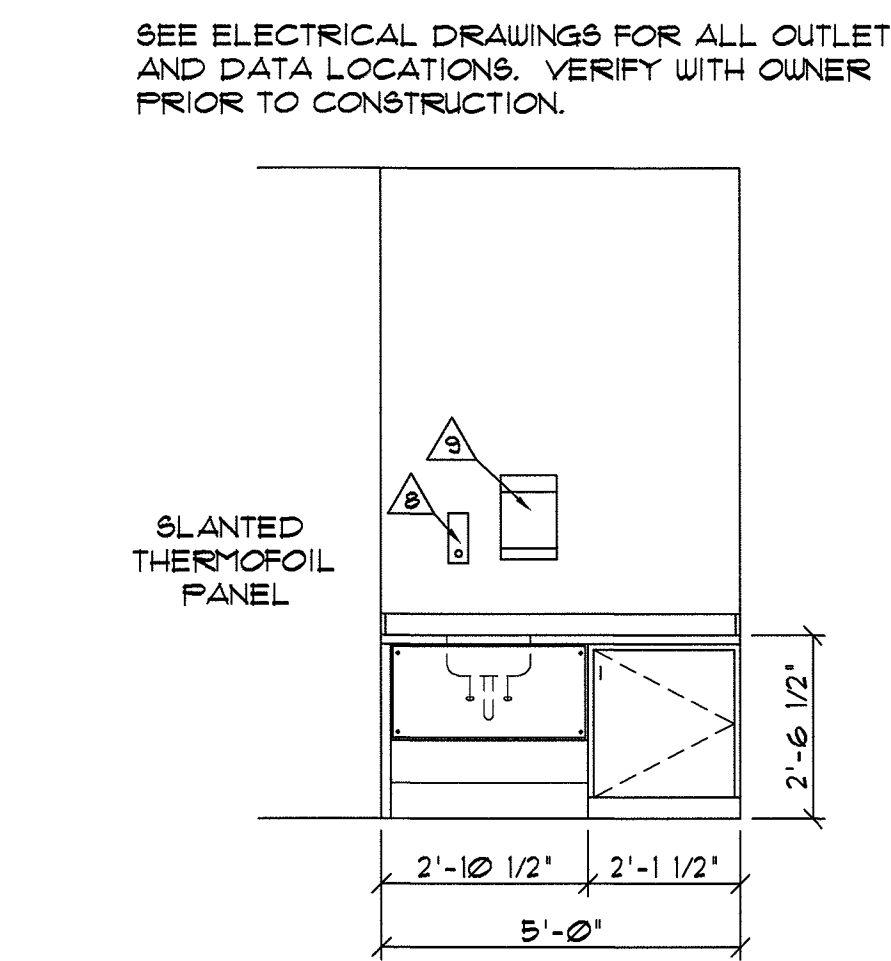
**1311 ELEVATION** SINK / VANITY AT TOILET # 15  
SCALE: 3/8" = 1'-0"



**1312 ELEVATION** NURSES' STATION # 29  
SCALE: 3/8" = 1'-0"



**1313 ELEVATION** NURSES' STATION # 29  
SCALE: 3/8" = 1'-0"



**1314 ELEVATION** NURSES' STATION # 29  
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 (I.D. SHEETS) FOR ALL INTERIOR FINISHES AND ADDITIONAL INTERIOR DETAILS AND REQUIREMENTS.

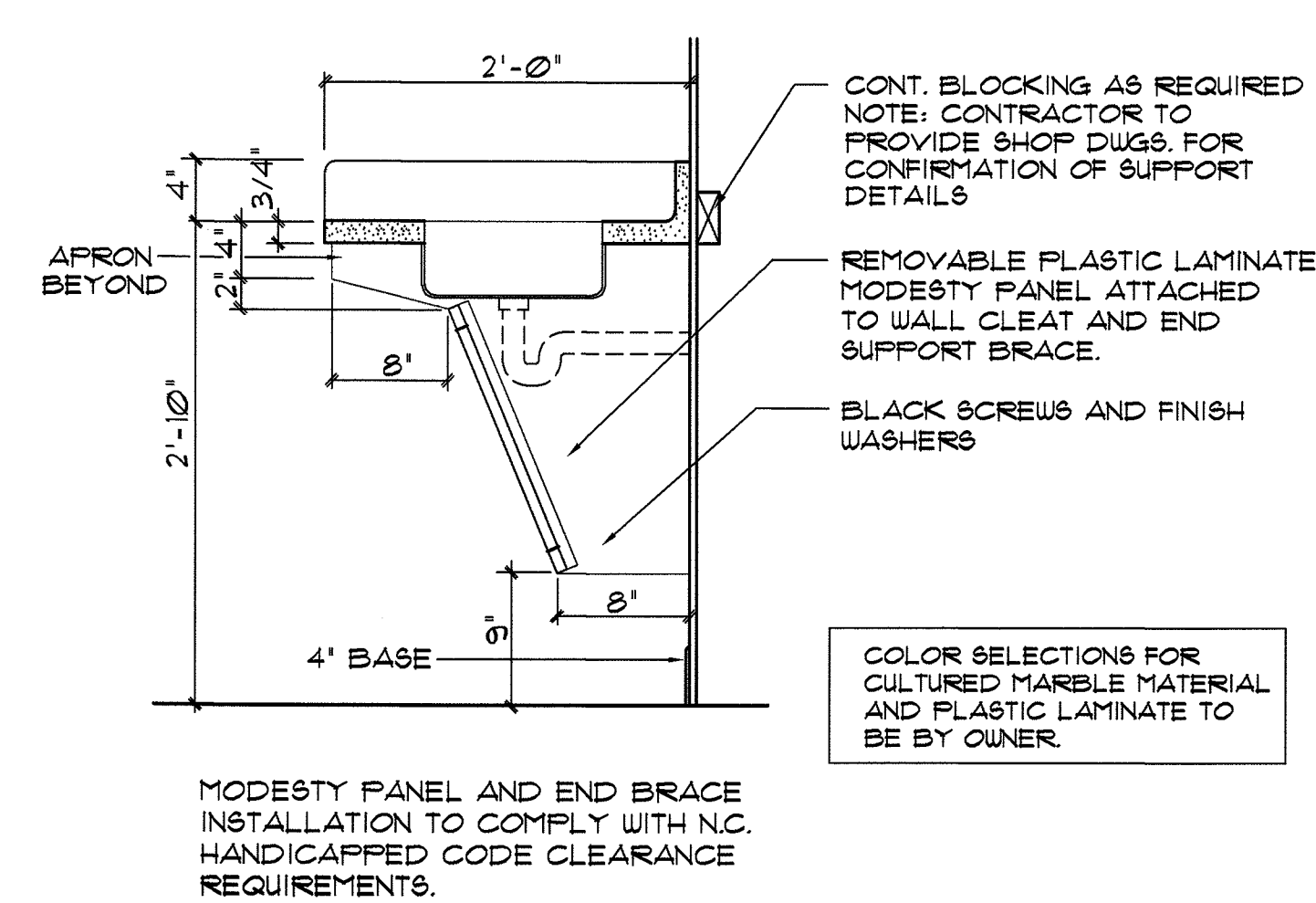
TOILET ACCESSORY NOTES:

- 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 # 10 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 SEATS 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.

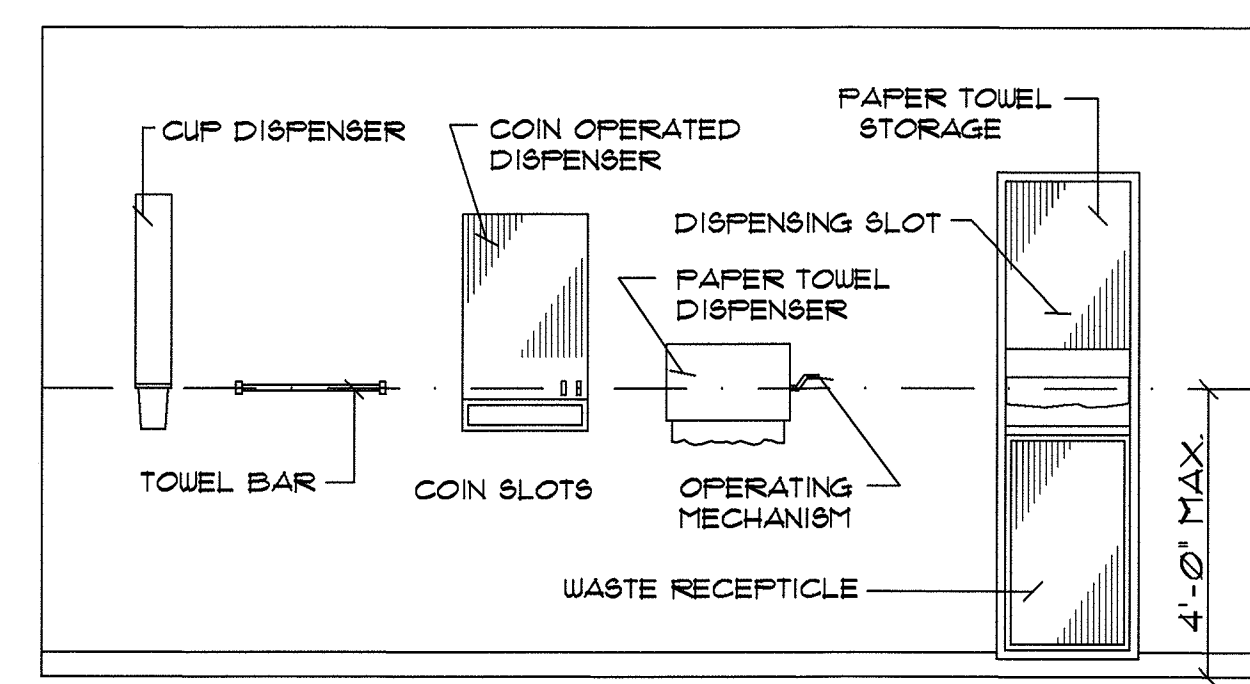
TOILET ACCESSORIES SCHEDULE									
Δ	DESCRIPTION	MANUF.	CATALOG NO.	Δ	DESCRIPTION	MANUF.	CATALOG NO.		
1	GRAB BAR- 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"	8	SOAP DISPENSER- WALL MNTED.	BY OWNER	INSTALL BY G.C.	15	MIRROR - 23 1/2" X 31 1/2"
2	GRAB BAR- 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"	9	PAPER TOWEL DISPENSER	BY OWNER	INSTALL BY G.C.	16	TUB SEAT
3	GRAB BAR- 1 1/2" X 36" LONG	BOBRICK	B- 6806 x 36"	10	ROBE HOOK	MOEN	DN6803BN	17	SHOWER SEAT
4	GRAB BAR- 1 1/2" X 12" LONG	BOBRICK	B- 6806 x 12"	11	SHOWER CURTAIN ROD	BOBRICK	B- 6101	18	HAND SANITIZER DISP.
5	GRAB BAR- 1 1/2" X 48" LONG	BOBRICK	B- 6806 x 48"	12	PRIVACY CURTAIN TRACK	ARNCO	1200		
6	TOWEL BAR- 24" LONG	MOEN	DN6824BN	13	MOP HOOK RACK	BY OWNER	—		
7	TOILET PAPER DISPENSER	MOEN	DN6808BN	14	SHOWER SEAT	SEACHROME	68R-260225 (NW)		



NOTE: ALL RESIDENT TOILET ROOM VANITIES TO BE 5/8" VENETIAN MARBLE "POLAR WHITE" WITH DAKOTA US-1714W-ADA SINK (VERIFY SINK STYLE W/ INTERIOR DESIGNER).



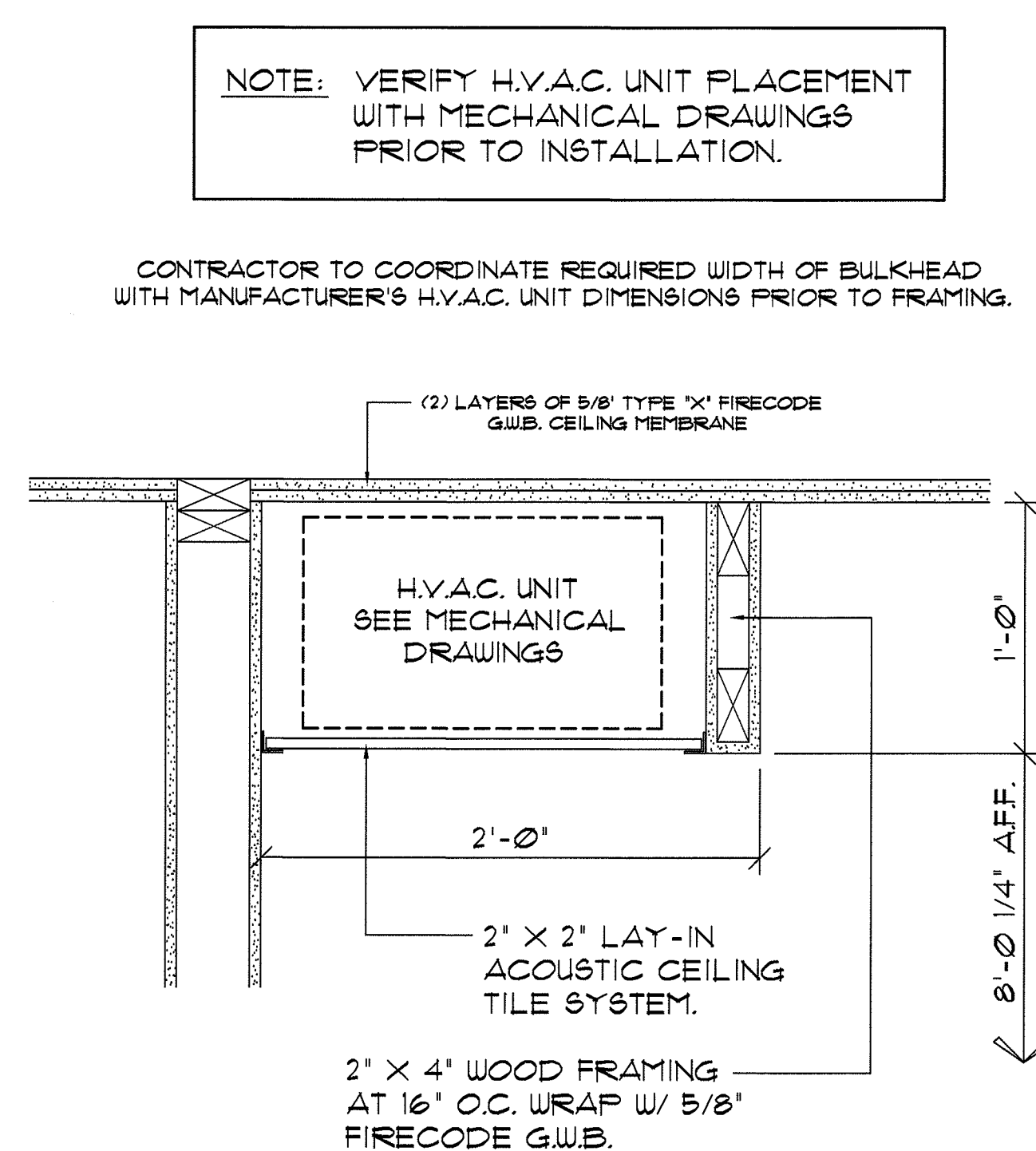
1404 **DETAIL** TYPICAL PATIENT TOILET  
SCALE: 1" = 1'-0" ROOM VANITY SECTION



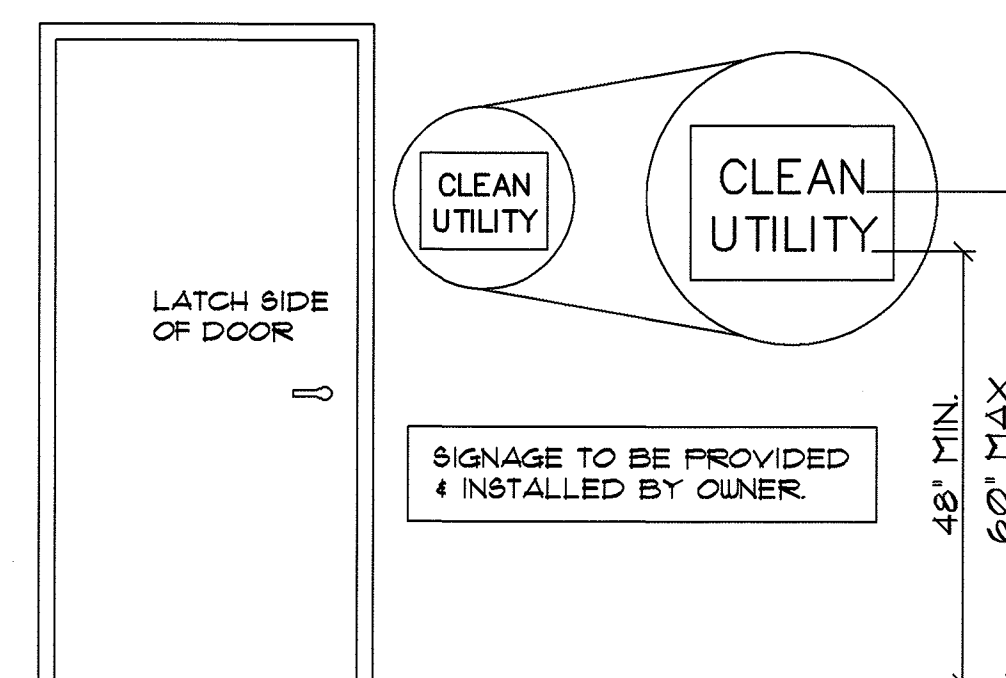
NOTE: ALL CABINET HARDWARE TO BE HANDICAPPED ACCESSIBLE IN ORDER TO OPEN DRAWERS / DOORS WITHOUT GRASPING.

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

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



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



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

NOTES:

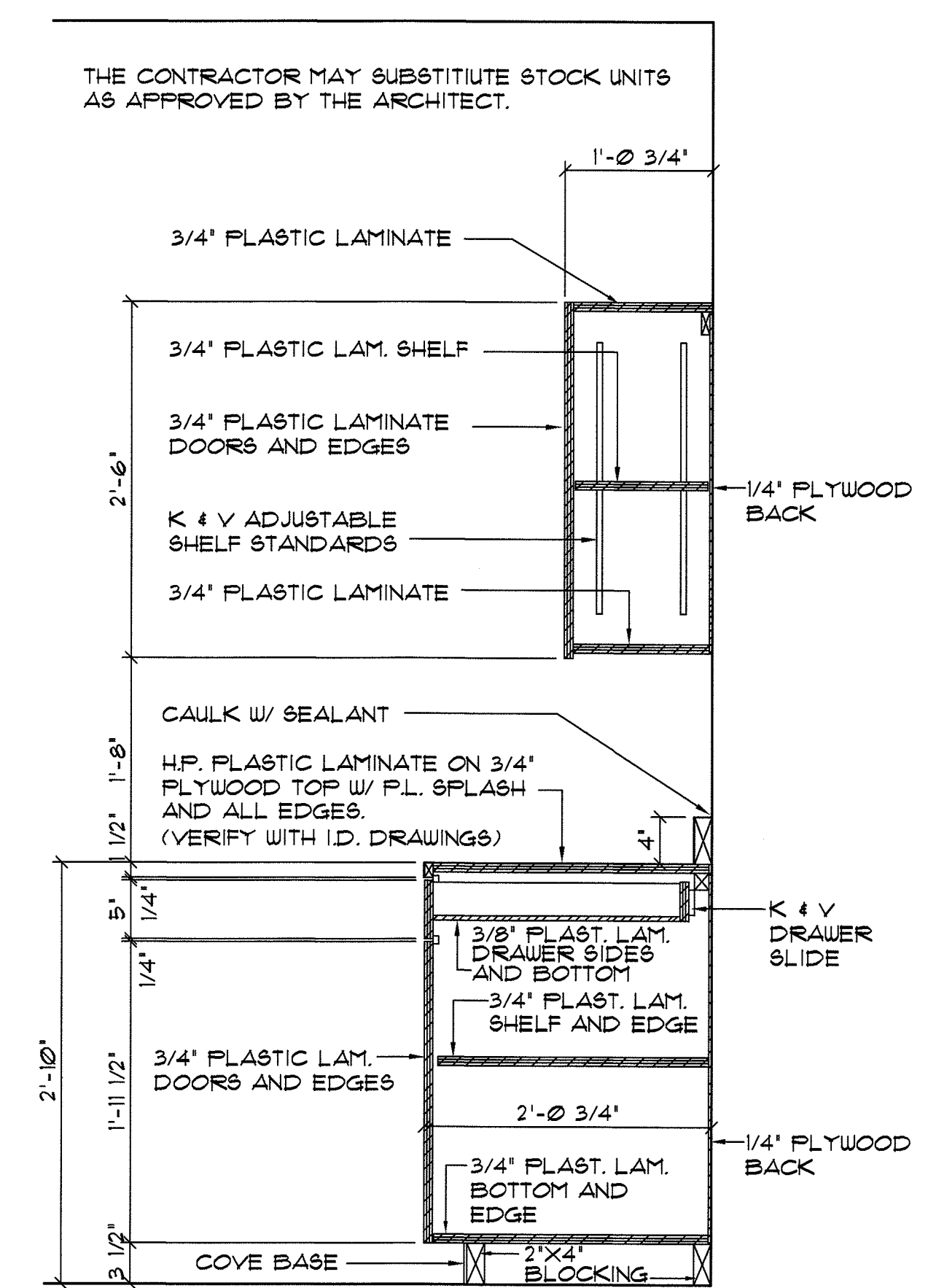
CHARACTER PROPORTIONS:  
WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:1.1; STRIKE-THROUGH RATIO SHALL BE BETWEEN 1.5 : 4:10

CHARACTER HEIGHT: MIN. CHARACTER HEIGHT BE 3".

RAISED & IRRADIATED CHARACTERS:  
F. pictorial, stylized, signs (pictographs);  
RAISED, MIN. MIN. LETTER, 60% BAND  
SERIF OR SIMPLE SERIF ACCOMPANIED  
BY GEOMETRIC OR PICTORIAL ELEMENTS  
AT LEAST 50% HIGH, NO HIGHER THAN 2".  
P. COUNTER ACCOMPANIED BY EQUIVALENT  
REARWARD DIRECTLY BEHIND PICTOGRAPH  
PICTO. DIMENSION 6" MIN. HT.

FINISH & CONTRAST: CHARACTER:  
A. BACKGROUND EGGSHELL, MATTE  
OR OTHER LIGHT, UNIFORM, CONTRAST  
WITH BACKGROUND A MINIMUM OF  
LIGHT ON DARK OR DARK ON LIGHT.

MOUNTING LOCATION & HEIGHT:  
PERMANENT IDENTIFICATION INSTALLED  
ADJACENT TO LATCH SIDE OF DOOR.  
IF 2 DOOR, 1 IN EACH DOOR, 60" ADJACENT  
TO THE LATCH SIDE, PLACE ON NEAREST ADJACENT  
WALL. MOUNTING HEIGHT SHALL BE 60"  
FROM FLOOR TO CENTERLINE  
OF SIGNAGE, SO THAT PERSON MAY  
APPROACH WITH EYES LEVEL WITH  
PROTRUSIONS OR SWING OF DOOR.



NOTE: CONTRACTOR TO VERIFY COLOR OF PLASTIC LAMINATE WITH OWNER PRIOR TO FABRICATION OF CABINETS.

1410 DETAIL TYPICAL CABINETS  
SCALE: 1" = 1'-0"



DOOR AND FRAME SCHEDULE										HARDWARE SCHEDULE		<div>44"</div> <div>90°</div> <div>41 1/2"</div> <div>WALL</div> <div>WALL</div> <div>DOOR</div> <div>NOTE: ALL BEDROOM DOORS AND PHYSICAL THERAPY DOORS TO HAVE OFFSET HINGES TO ENSURE 41 1/2" CLEAR EGRESS WIDTH.</div>
DOOR NO.	DOOR SIZE	DOOR MATERIAL	DOOR TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	FRAME TYPE	HARDWARE SET	REMARKS	A	B	
1	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	3	C		3,9,15,17,30	2,7	1) FULL MORTISE BALL BEARING HINGES 2) OVERHEAD BARN DOOR TRACK - FEMKO SFT W/20 3) LEVER HANDLE PASSAGE LATCH (BASED ON DESIGN) 4) LEVER HANDLE PRIVACY LOCK 5) PUSH / PULL SET 6) FIRE EXIT VERTICAL ROD 7) 6" U SHAPED FULL ON EACH SIDE OF DOOR 8) CLOSER 9) WALL MOUNTED DOOR BUMPER WITH ADEQUATE WOOD BLOCKING 10) UL LISTED EXIT DEVICE WITH EXTERIOR LEVER HANDLE ENTRY LOCKSET 11) ELECTRONIC HOLD-OPEN DEVICE TIED TO FIRE ALARM SYSTEM 12) SURFACE MOUNTED OVERHEAD DOOR STOP 13) METAL ASTRAGAL 14) ALUMINUM THRESHOLD W/ DOOR SWEEP 15) 16" HIGH KICK PLATE- VARYING WIDTH IFC BROWN TO MATCH COLOR OF DOORS. 16) MANUAL FLUSH BOLTS 17) DOOR SILENCERS
2	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	C		18) WEATHER STRIPPING 19) LEVER HANDLE LOCKSET (OFFICE FUNCTION) 20) ORBIT KEYLOCK (STORAGE FUNCTION) 21) FLOOR STOP (AT BEDROOM WARDROBE UNITS) 22) LEVER HANDLE LOCKSET (STORAGE FUNCTION) 23) AUTOMATIC FLUSH BOLTS 24) DOOR COORDINATOR 25) SMOKE GASKETING 26) MAGNETIC DOOR LOCK 27) POWERED AUTOMATIC DOOR OPENER SYSTEM 28) KEYS DEADBOLT 29) MANUAL FLUSH BOLTS 30) FULL MORTISE BALL BEARING OFFSET HINGES 31) LEVER HANDLE KEYPAD LOCKSET		<div>NOTE: NO KICKPLATES REQUIRED FOR DOOR TYPES 5, 6, AND 9.</div>
3	6'-0" X 7'-0"	H.W.M.	4	---	H.W.M.	---	2	F	FOAM CORE INSULATED	1,8,10,14,18	1,8,10,14,18	
4	6'-0" X 7'-0"	H.W.M.	4	---	H.W.M.	---	2	F	FOAM CORE INSULATED	1,8,9,15,17,19	1,8,9,15,17,19	
5	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	3	C		1,9,15,17,19	1,9,15,17,19	
6	6'-0" X 7'-0"	H.W.M.	4	---	H.W.M.	---	2	F	FOAM CORE INSULATED	1,8,9,15,17,31	1,8,9,15,17,31	
7	3'-0" X 7'-0"	S.C.W.	9	---	H.W.M.	---	1	H		1,6,8,9,11,13,15	1,6,8,9,11,13	
8	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	I		1,4,9,15,17	1,4,9,15,17	
9	3'-0" X 7'-0"	S.C.W.	9	---	H.W.M.	---	1	H				
10	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	I				
11	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	H				
11A	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	I				
12	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	I				
13	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	I				
14	7'-4" X 7'-0"	S.C.W.	8	90MIN	H.W.M.	90MIN	2	J	DOUBLE EGRESS FRAME / 'S' LABEL			
15	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	2	C				
16	7'-4" X 7'-0"	ALUM.	2	---	ALUM.	---	2	E				
17	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	3	C				
18	6'-0" X 7'-0"	H.W.M.	4	---	H.W.M.	---	3	F	FOAM CORE INSULATED			
19	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	3	C				
20	6'-0" X 7'-0"	H.W.M.	4	---	H.W.M.	---	2	F	FOAM CORE INSULATED			
21	6'-0" X 7'-0"	H.W.M.	4	---	H.W.M.	---	2	F	FOAM CORE INSULATED			
22	7'-4" X 7'-0"	ALUM.	2	---	ALUM.	---	2	C				
23	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	4	D				
24	3'-8" X 7'-0"	ALUM.	1	---	ALUM.	---	4	D				
25	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	I				
26	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	L				
27	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	H				
28	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	H				
29	3'-0" X 7'-0"	S.C.W.	9	---	H.W.M.	---	1	H				
30	3'-8" X 7'-0"	S.C.W.	9	LRDA	H.W.M.	---	1	H				
31	3'-8" X 7'-0"	S.C.W.	9	LRDA	H.W.M.	---	1	H				
32	3'-8" X 7'-0"	S.C.W.	9	LRDA	H.W.M.	---	1	H				
33	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	L				
34	3'-0" X 7'-0"	S.C.W.	3	---	H.W.M.	---	1	H				
35	3'-0" X 7'-0"	S.C.W.	9	---	H.W.M.	---	1	H				
36	3'-0" X 7'-0"	S.C.W.	6	LRDA	H.W.M.	---	1	H				
37	3'-0" X 7'-0"	S.C.W.	6	LRDA	H.W.M.	---	1	H				
38	3'-0" X 7'-0"	S.C.W.	9	LRDA	H.W.M.	---	1	H				
39	3'-0" X 7'-0"	S.C.W.	3	LRDA	H.W.M.	---	1	I				
40	3'-0" X 7'-0"	S.C.W.	3	LRDA	H.W.M.	---	1	M				
41	3'-0" X 7'-0"	S.C.W.	3	45MIN	H.W.M.	45MIN	1	G	'S' LABEL			
42	3'-0" X 7'-0"	S.C.W.	3	45MIN	H.W.M.	45MIN	1	G	'S' LABEL			
43	3'-0" X 7'-0"	S.C.W.	3	LRDA	H.W.M.	---	1	I				
44	3'-0" X 7'-0"	S.C.W.	6	LRDA	H.W.M.	---	1	I	'S' LABEL			
45	3'-0" X 7'-0"	S.C.W.	3	45MIN	H.W.M.	45MIN	1	I	'S' LABEL			
46	3'-0" X 7'-0"	S.C.W.	3	45MIN	H.W.M.	45MIN	1	I	'S' LABEL			
47	7'-4" X 7'-0"	S.C.W.	5	---	H.W.M.	---	1	K	DOUBLE EGRESS FRAME			
48	7'-4" X 7'-0"	S.C.W.	7	20MIN	H.W.M.	20MIN	1	J	DOUBLE EGRESS FRAME / 'S' LABEL			
49	7'-4" X 7'-0"	S.C.W.	8	90MIN	H.W.M.	90MIN	2	J	DOUBLE EGRESS FRAME / 'S' LABEL			
50	7'-4" X 7'-0"	S.C.W.	8	90MIN	H.W.M.	90MIN	2	J	DOUBLE EGRESS FRAME / 'S' LABEL			
51	7'-4" X 7'-0"	S.C.W.	5	---	H.W.M.	---	1	K	DOUBLE EGRESS FRAME / 'S' LABEL			

DOOR AND HARDWARE NOTES

1. 'S' LABEL FOR FIRE RATED DOOR ASSEMBLY TESTED AND APPROVED FOR SMOKE RESISTANCE

2. 'LRDA' LEAKAGE RATED DOOR FOR SMOKE AND DRAFT CONTROL

3. CONTRACTOR TO COORDINATE LOCATION OF CENTER BAR OF DOOR WITH THAT OF ADJACENT DOOR FRAME

4. SEE DOOR AND FRAME SCHEDULE FOR DOOR AND FRAME MATERIALS

5. ALUM. DOOR PANIC DEVICES TO BE CONCEALED RODS WITH FLUSH PANIC DEVICES INTEGRATED INTO DOOR

6. DOORS 23 AND 24 TO HAVE CONCEALED VERTICAL ROD EXIT DEVICE WITH BLANK ESCAPE-ON LEVER HANDLE (NO CYLINDER LOCK). DOOR TO BE OPERABLE (OPENED) FROM BOTH SIDES

7. DOORS 1, 2, 5, 15, 19, 19, AND 22 TO HAVE CONCEALED VERTICAL ROD EXIT DEVICE WITH CYLINDER LEVER TRIM (CYLINDER PROVIDED). DOOR TO BE OPERABLE FROM INTERIOR AT ALL TIMES WITH PANIC BAR. DOOR TO OPERATE FROM EXTERIOR LEVER HANDLE WITH CYLINDER DISENGAGED

8. DOOR 16 TO HAVE AUTOMATIC DOOR OPENER WITH ADA PUSH FLATES ON BOTH SIDES OF DOOR

9. CONTRACTOR TO PROVIDE WOOD BLOCKING BETWEEN STUDS TO ADEQUATELY SUPPORT OVERHEAD BARN DOOR TRACK

10. CONTRACTOR TO VERIFY REQUIRED FRAME THROAT OPENING WIDTH FOR EACH INTERIOR PARTITION PRIOR TO ORDERING FRAMES

DOOR PULL PLACEMENT

CLEAR OPENING / DOOR STOP PLACEMENT

SECTION 1502

SCALE: 1"=1'-0"

TYPICAL BARN DOOR OPENING REQUIREMENTS

<div>TEMPERED SAFETY GLAZING</div> <div>ALUM. STOREFRONT DOORS # 1 AND # 2 ARE TO BE WHITE.</div> <div>1</div>	<div>TEMPERED SAFETY GLAZING</div> <div>2</div>	<div>TEMPERED SAFETY GLAZING</div> <div>3</div>	<div>TEMPERED SAFETY GLAZING</div> <div>4</div>	<div>TEMPERED SAFETY GLAZING</div> <div>5</div>	<div>TEMPERED SAFETY GLAZING</div> <div>6</div>	<div>6' X 36' VISION PANEL - U.L. LISTED IMPACT RESISTANT SAFETY GLAZING IN METAL FRAME</div> <div>7</div>	<div>3' X 33' VISION PANEL - U.L. LISTED IMPACT RESISTANT SAFETY GLAZING IN METAL FRAME</div> <div>8</div>	<div>TEMPERED SAFETY GLAZING</div> <div>9</div>	<div>SPECIAL LOCKING ARRANGEMENT REQUIREMENTS:</div> <div>1. SPECIAL LOCKING SHALL BE INSTALLED INDEPENDENT OF THE DOOR PANIC HARDWARE AND SHALL NOT RESTRICT THE OPENING OF THE DOOR BY A SINGLE HAND MOTION WHEN MAGNETIC LOCK IS DEACTIVATED.</div> <div>2. ALL MAGNETIC LOCKING SHALL COMPLY WITH ALL LISTED CONDITIONS OF NC88C SECTION 407.12 CONTROL EGRESS DOORS IN 1-2 OCCUPANCY.</div>
DOOR TYPES									

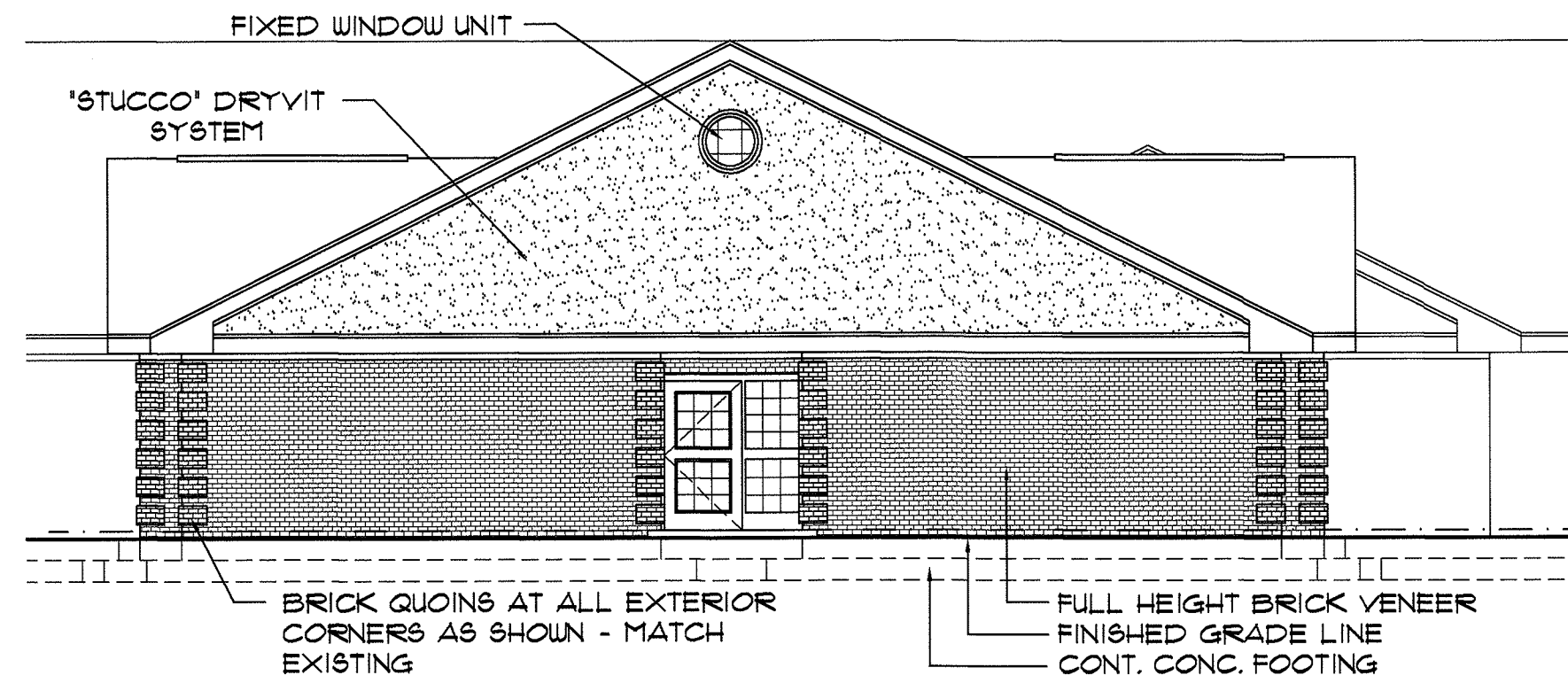
NOTE: ALL ALUMINUM STOREFRONT FRAMES TO BE WHITE.									
<div>SEE SCHEDULE FOR FRAME MATERIAL</div> <div>1</div>	<div>SEE SCHEDULE FOR FRAME MATERIAL</div> <div>2</div>	<div>TEMPERED SAFETY GLAZING</div> <div>3</div>	<div>TEMPERED SAFETY GLAZING</div> <div>4</div>	<div>H.W.M.</div> <div>5</div>	<div>TEMPERED SAFETY GLAZING</div> <div>6</div>	<div>TEMPERED SAFETY GLAZING</div> <div>7</div>	<div>GLAZING FOR THIS FRAME TO BE AMERICAN INSULATED GLASS - 10MM TEMPERED, STYLE - CLEAR RAIN.</div> <div>8</div>	<div>GLAZING FOR THIS FRAME TO BE AMERICAN INSULATED GLASS - 10MM TEMPERED, STYLE - CLEAR RAIN.</div> <div>9</div>	<div>TEMPERED SAFETY GLAZING</div> <div>10</div>
FRAME TYPES									





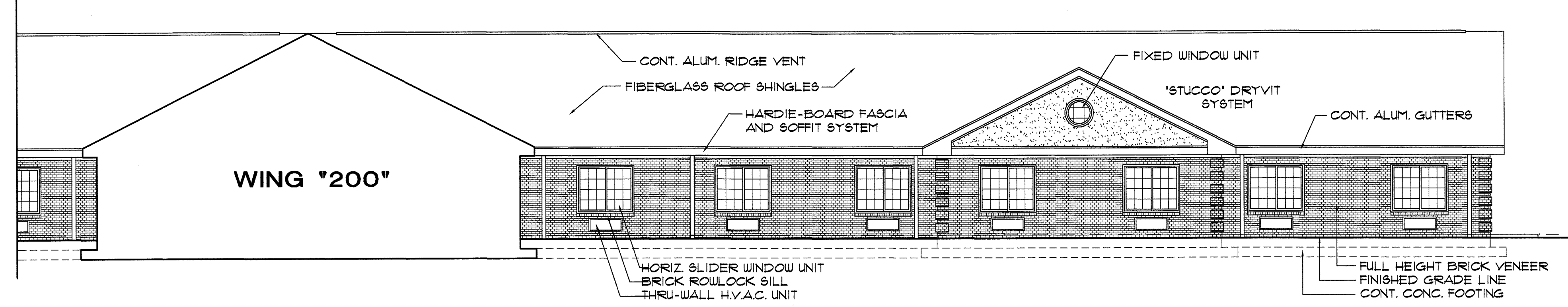


NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. COLOR TO MATCH EXISTING.

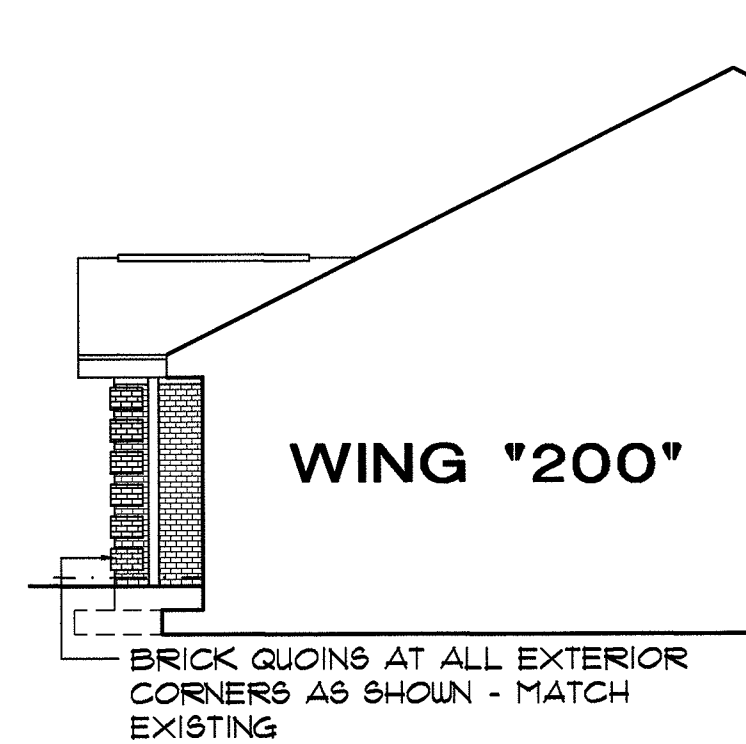


1701 ELEVATION  
SCALE: 1/8" = 1'-0"

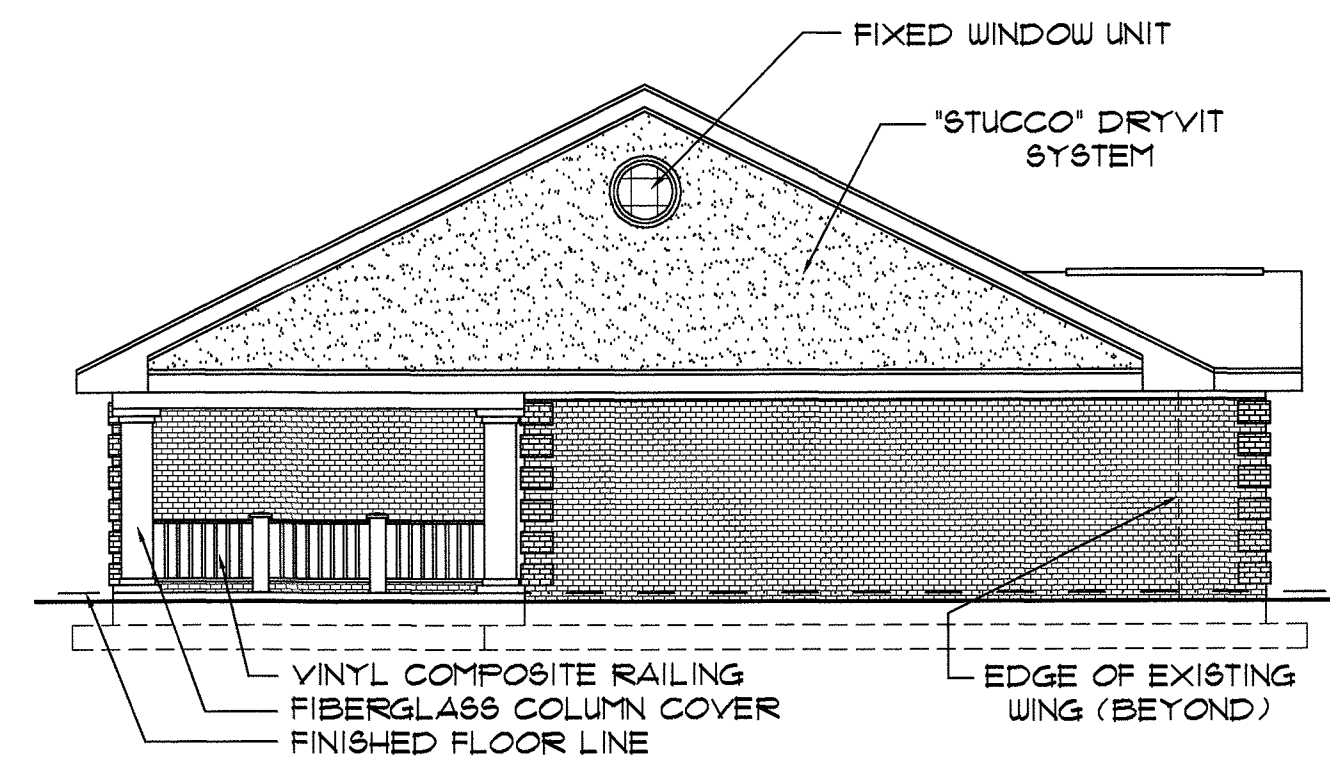
1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.



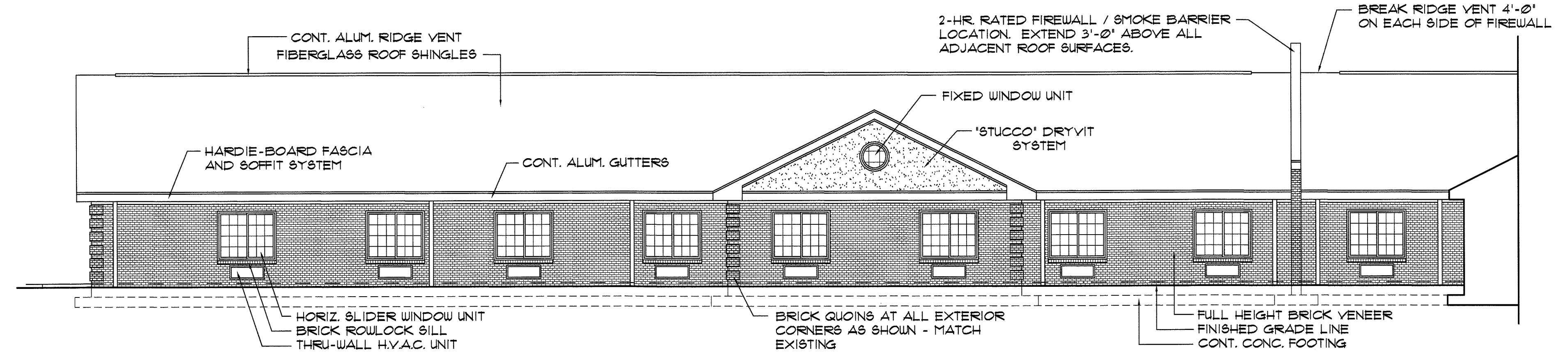
1702 ELEVATION  
SCALE: 1/8" = 1'-0"



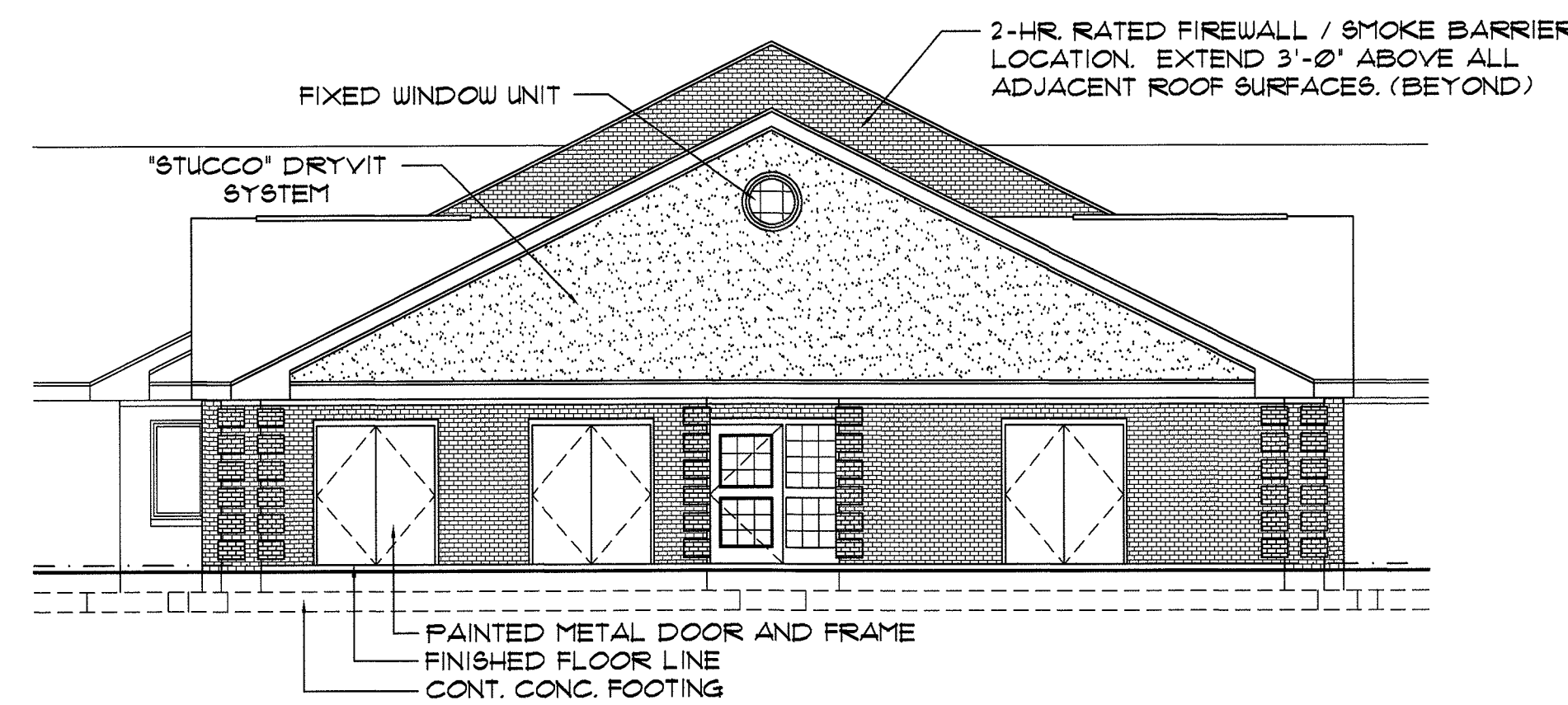
1703 ELEVATION  
SCALE: 1/8" = 1'-0"



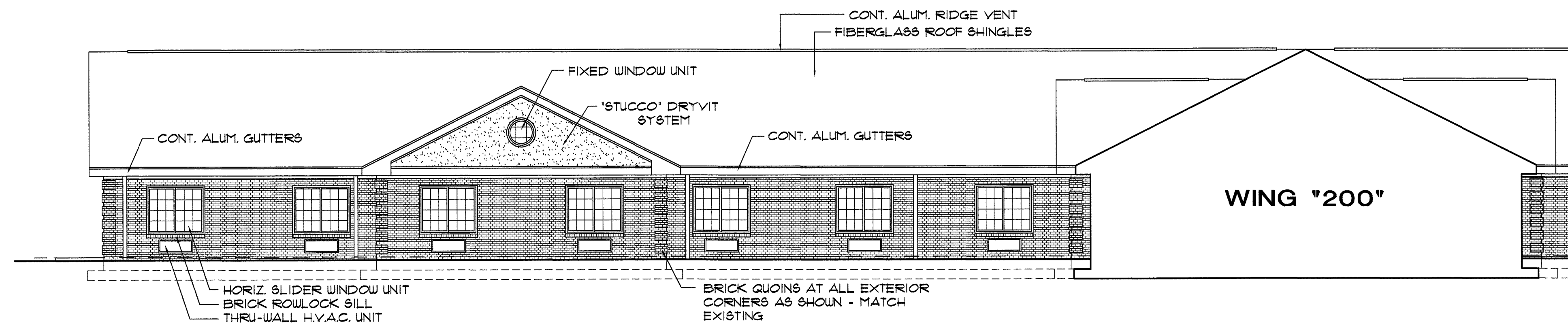
1704 ELEVATION  
SCALE: 1/8" = 1'-0"



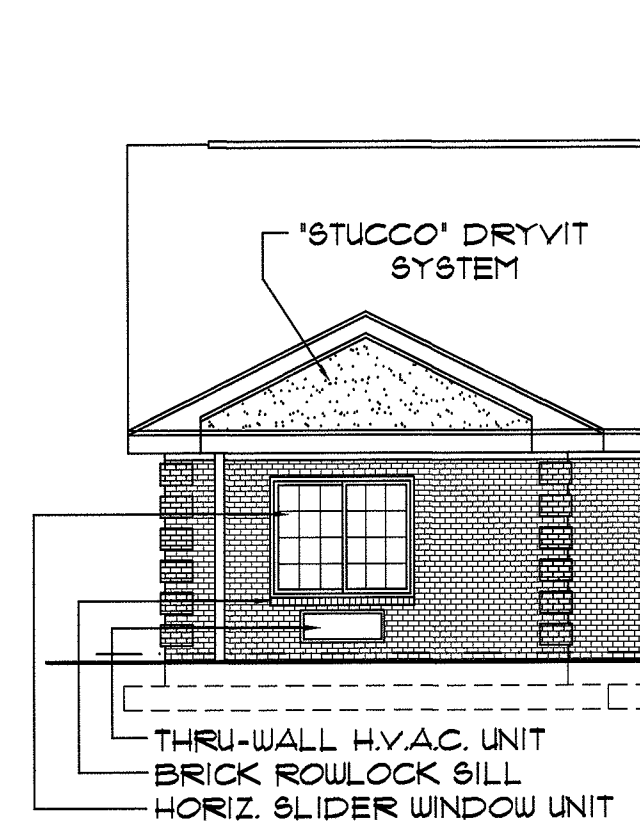
1705 ELEVATION  
SCALE: 1/8" = 1'-0"



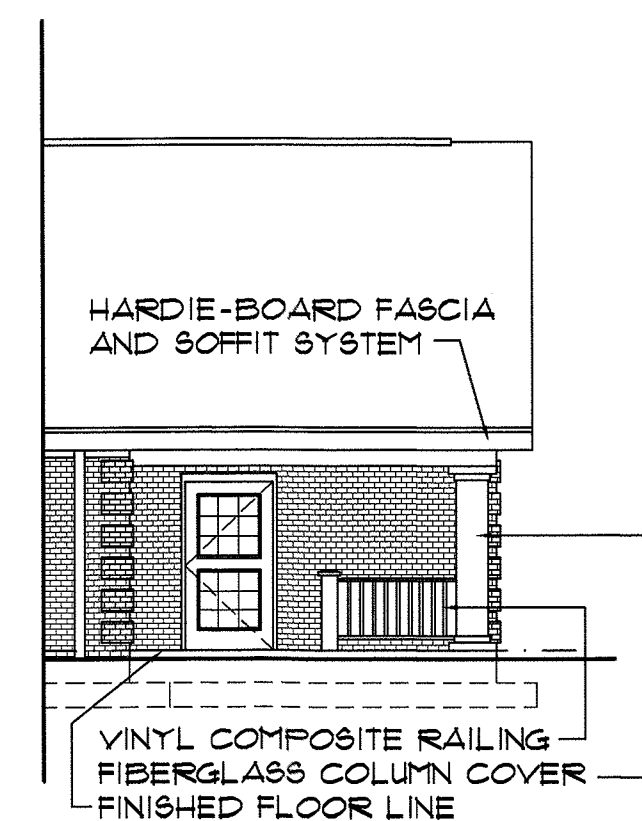
1706 ELEVATION  
SCALE: 1/8" = 1'-0"



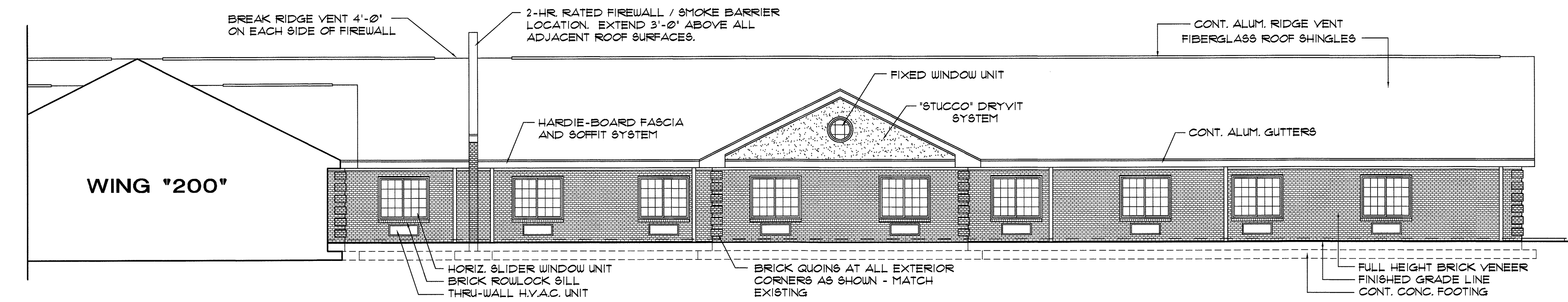
1707 ELEVATION  
SCALE: 1/8" = 1'-0"



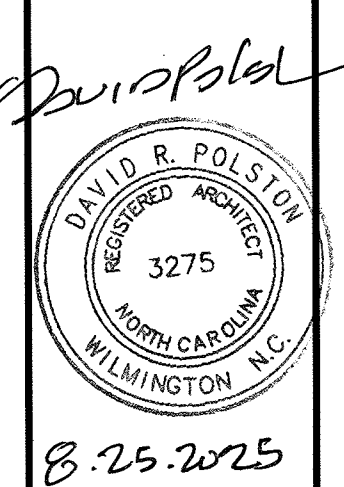
1708 ELEVATION  
SCALE: 1/8" = 1'-0"



1709 ELEVATION  
SCALE: 1/8" = 1'-0"



1710 ELEVATION  
SCALE: 1/8" = 1'-0"



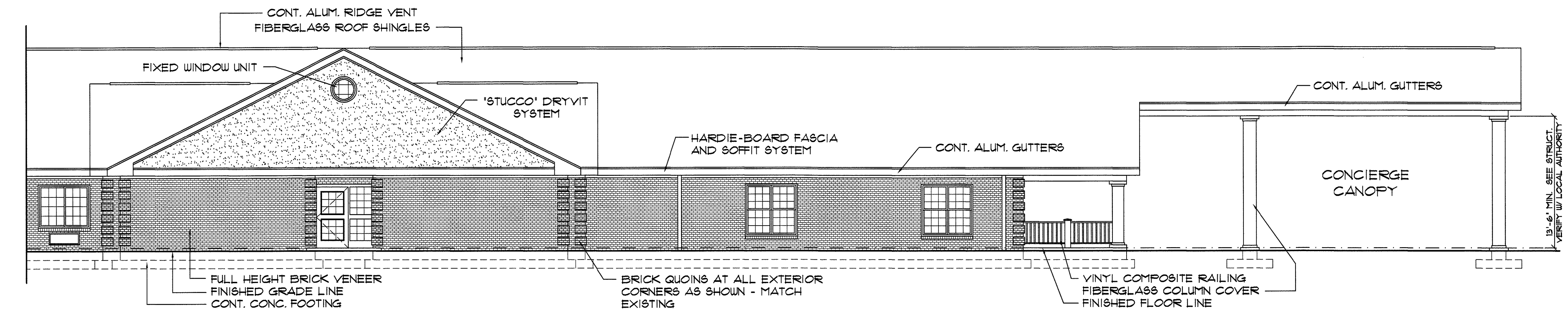
**PRUITTHEALTH**  
**TOWN CENTER**  
Harrisburg, North Carolina

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

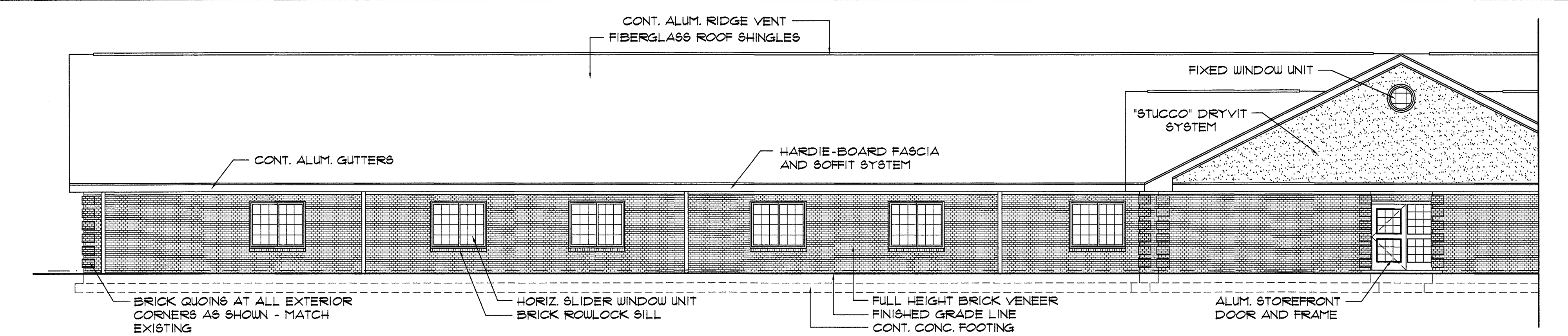
51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A**  
**17**

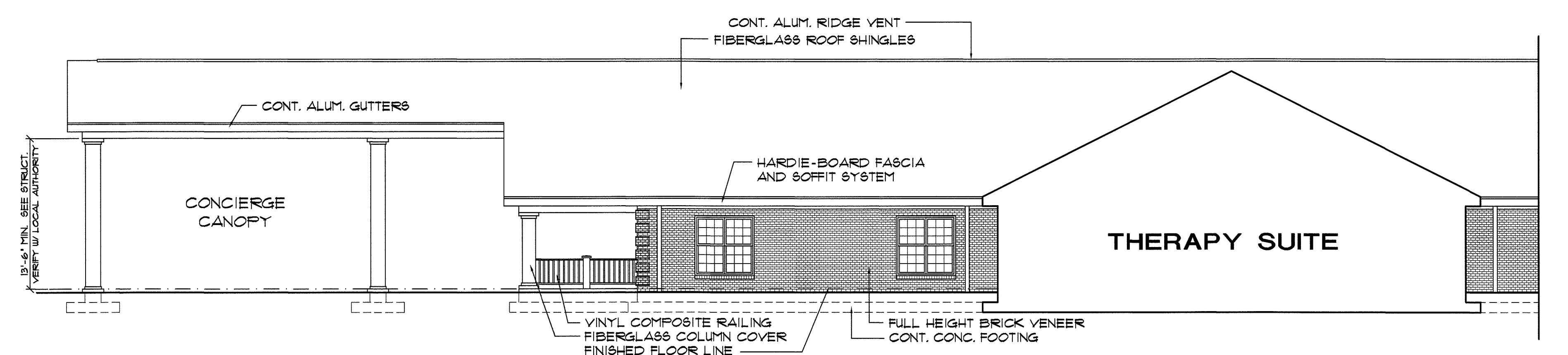




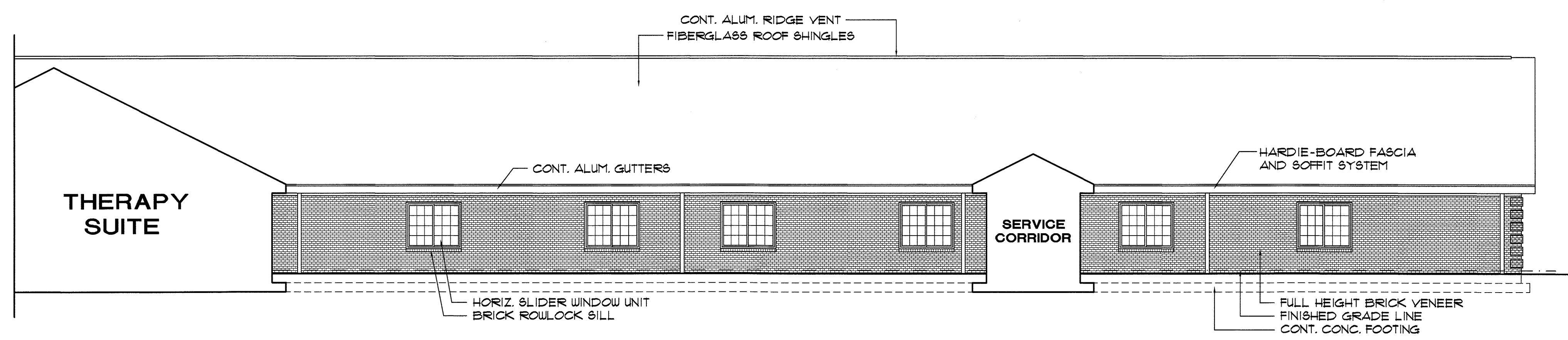
**1801 ELEVATION**  
SCALE: 1/8" = 1'-0"



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



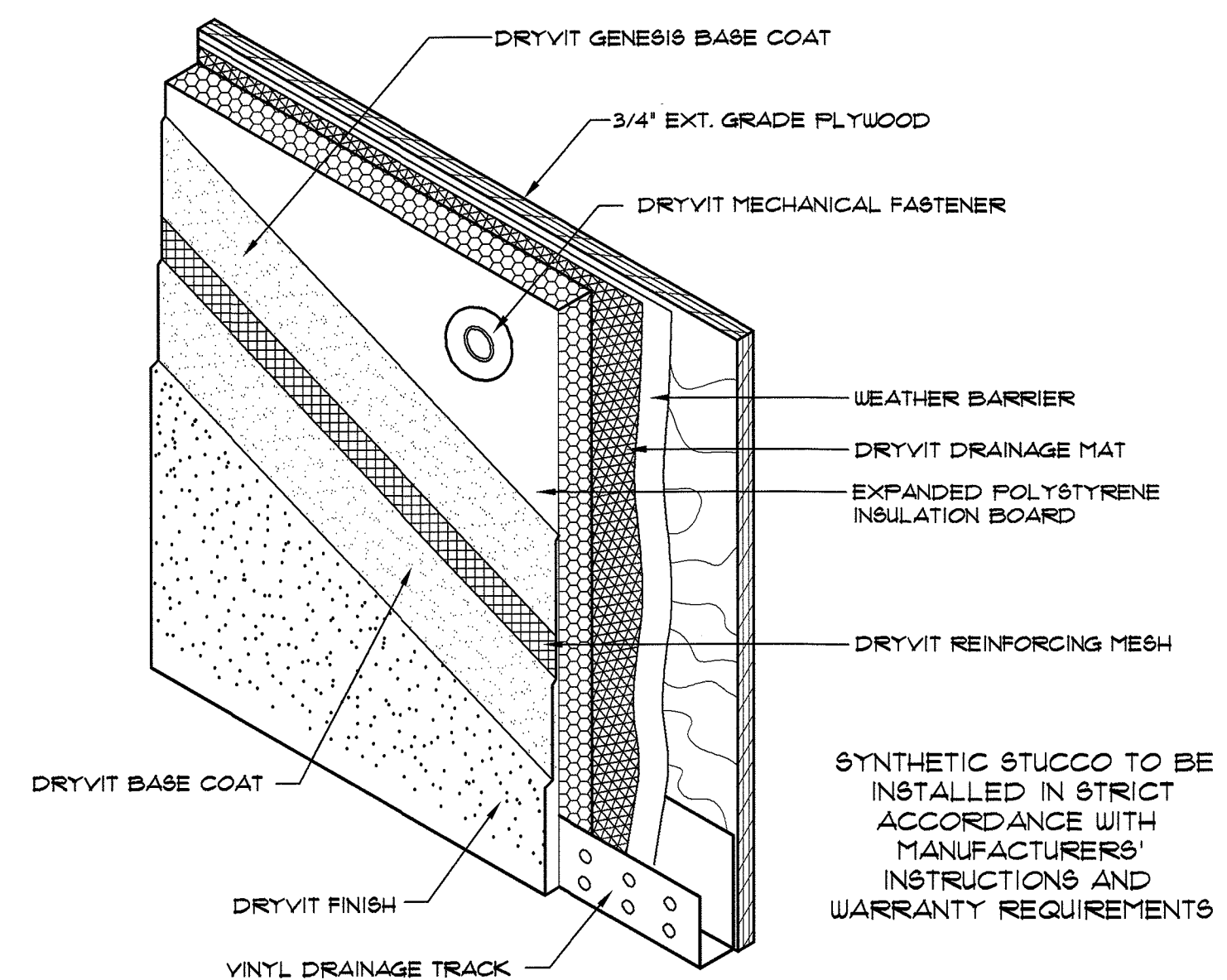
**1803 ELEVATION**  
SCALE: 1/8" = 1'-0"



**1804 ELEVATION**  
SCALE: 1/8" = 1'-0"

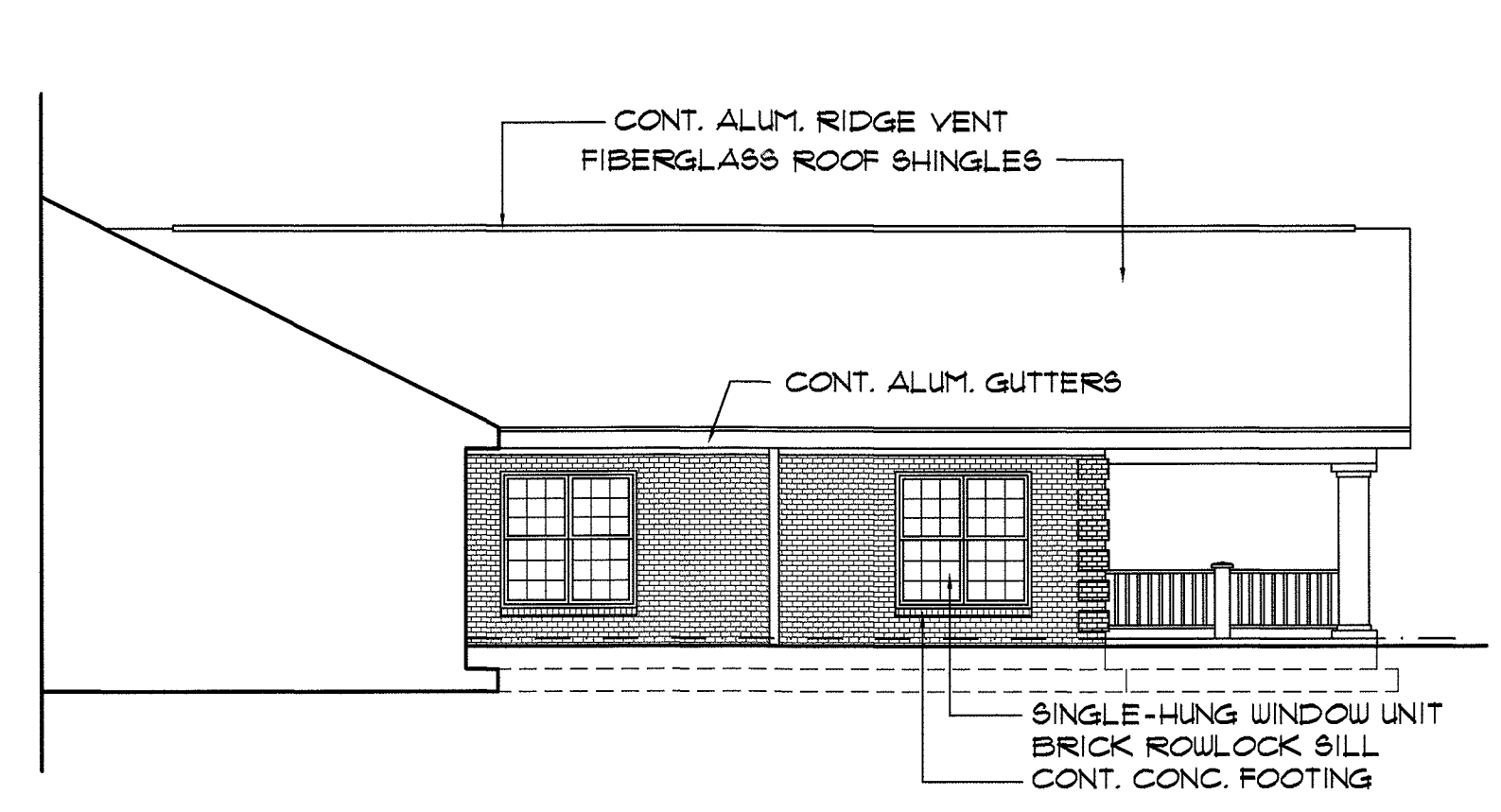
- DOWNSPOUT NOTES:**
1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
  2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
  3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
  4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.

**NOTE:** ALL HARDIE-BOARD MATERIALS TO BE PAINTED. COLOR TO MATCH EXISTING.

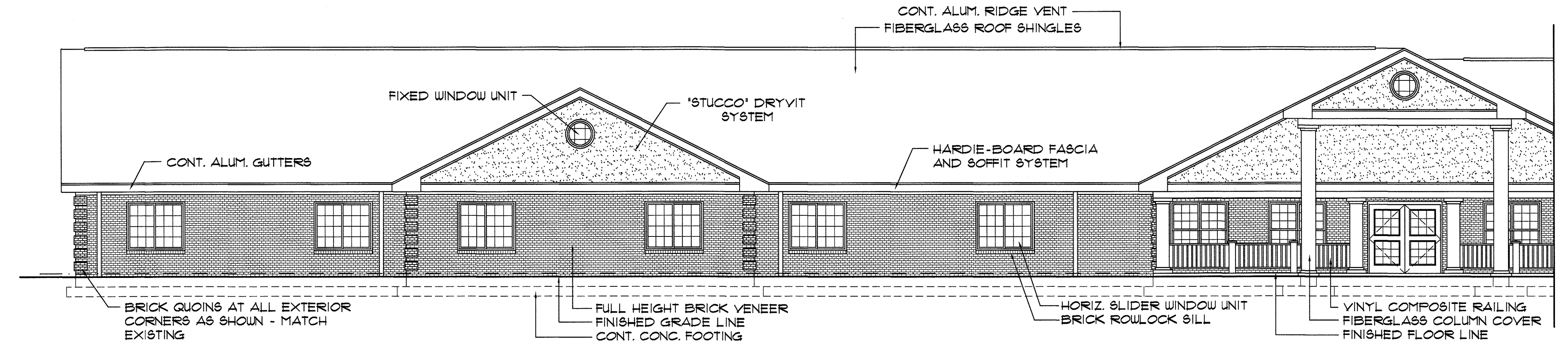


**1805 DETAIL**  
SCALE: N.T.S.  
DRYVIT DRAINABLE SYSTEM DETAIL OR APPROVED EQUAL

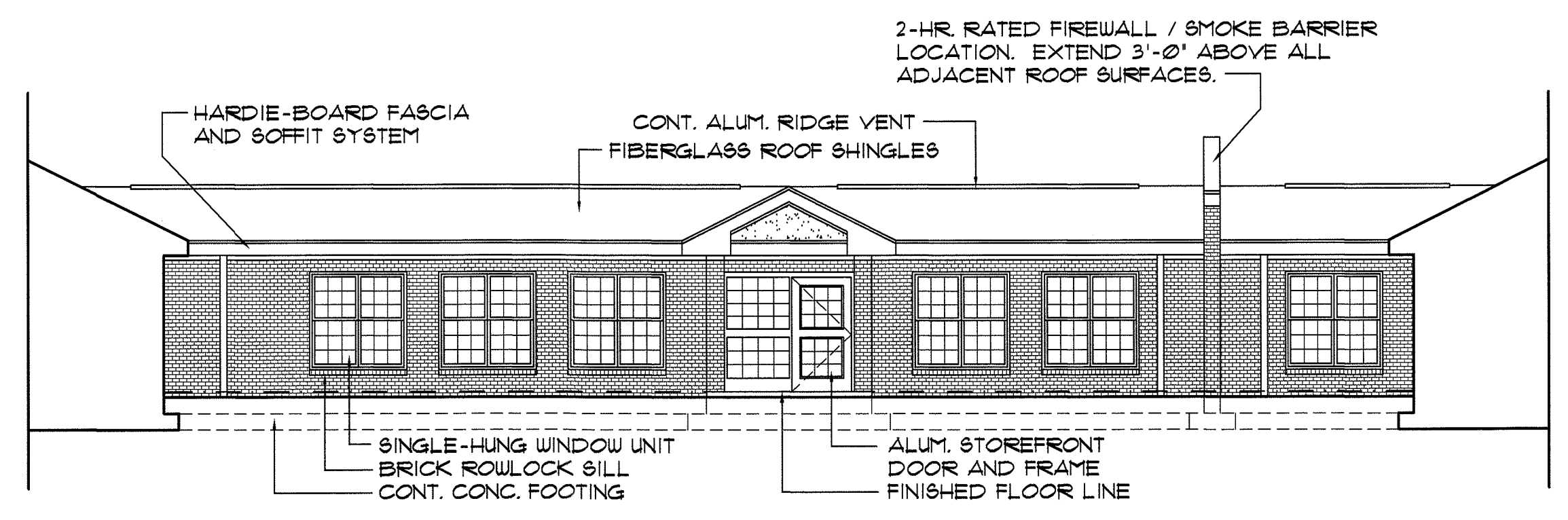




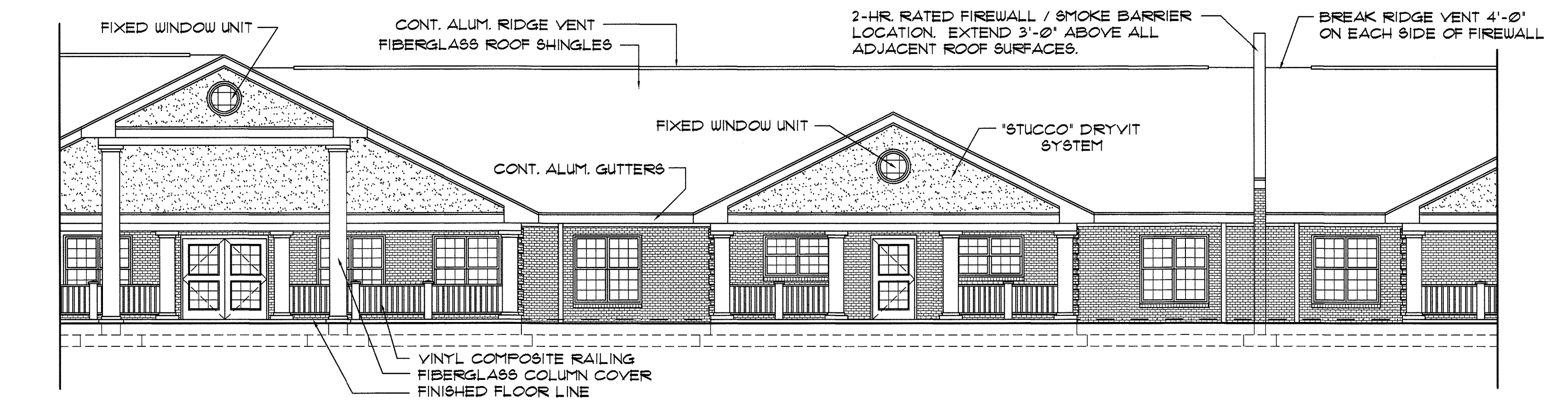
**1301 ELEVATION**  
SCALE: 1/8" = 1'-0"



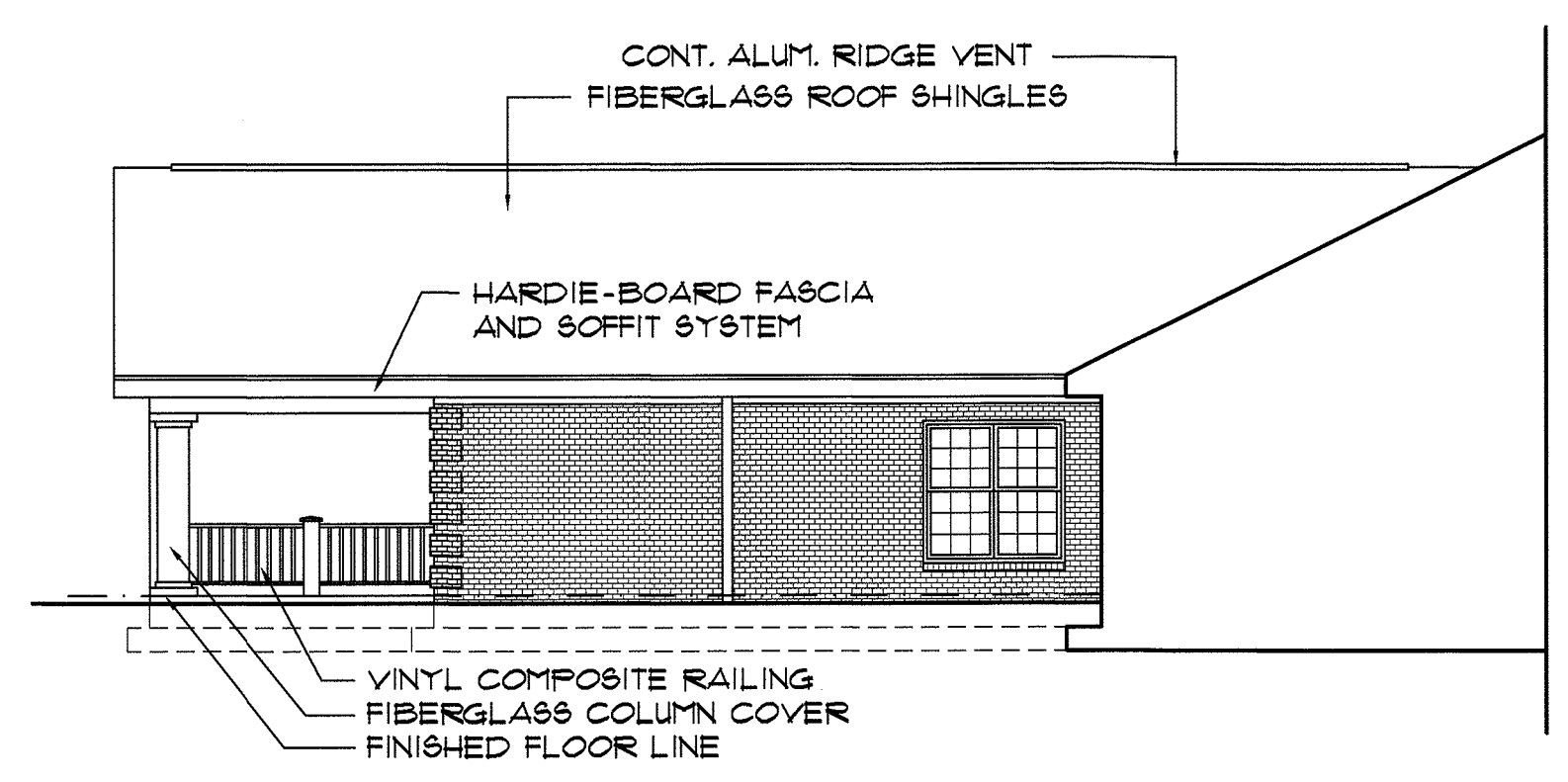
**1302 ELEVATION**  
SCALE: 1/8" = 1'-0"



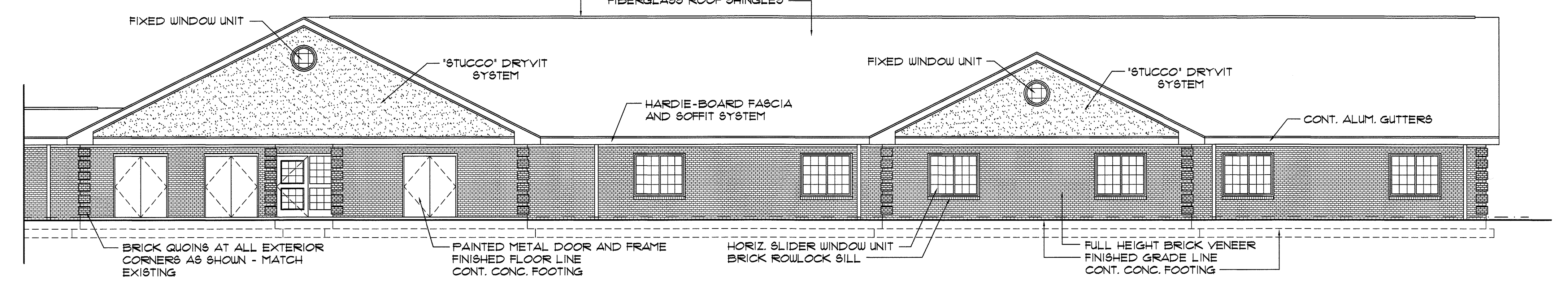
**1303 ELEVATION**  
SCALE: 1/8" = 1'-0"



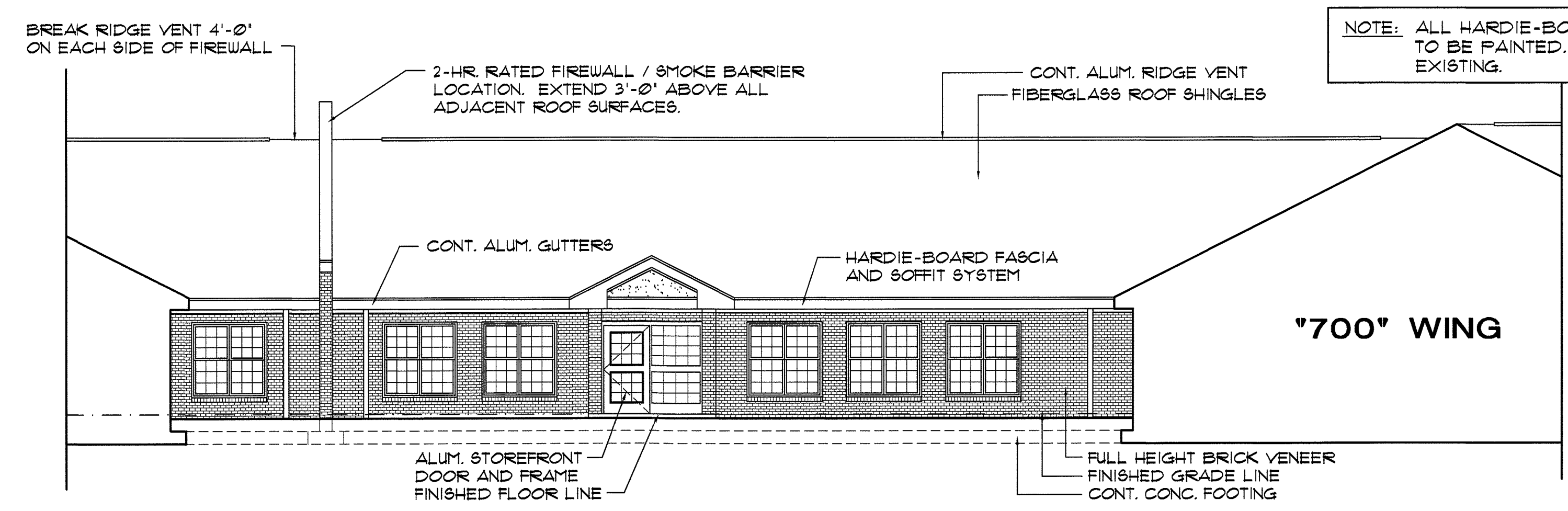
**1304 ELEVATION**  
SCALE: 1/8" = 1'-0"



**1305 ELEVATION**  
SCALE: 1/8" = 1'-0"



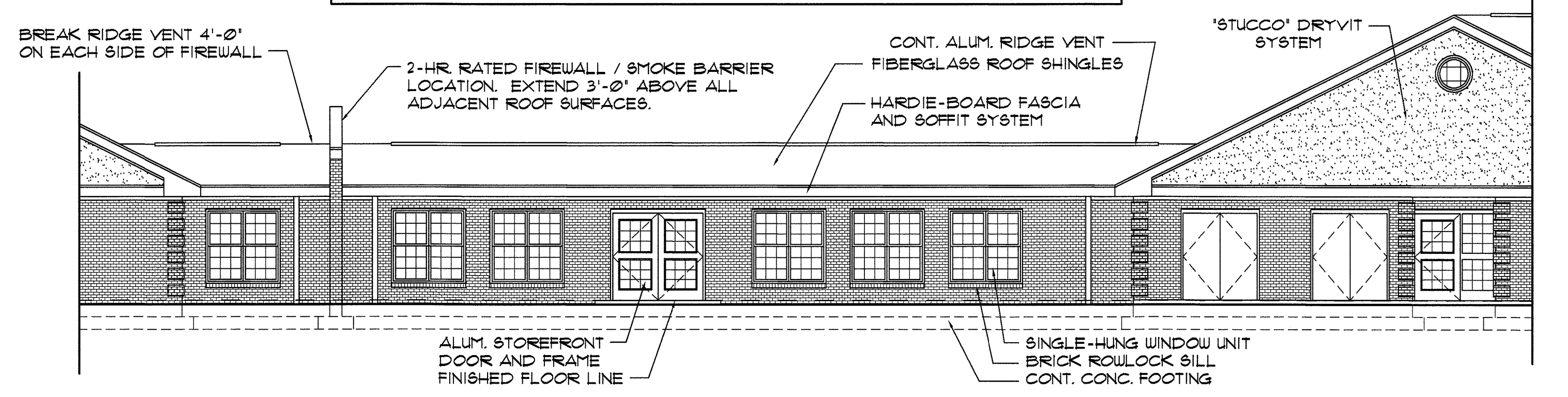
**1306 ELEVATION**  
SCALE: 1/8" = 1'-0"



**1307 ELEVATION**  
SCALE: 1/8" = 1'-0"

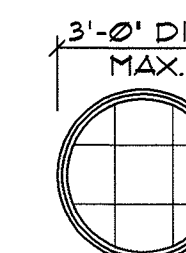
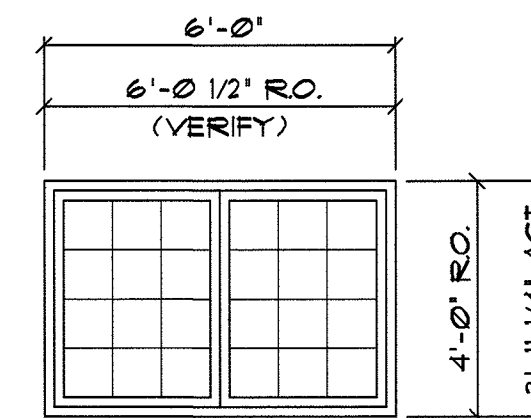
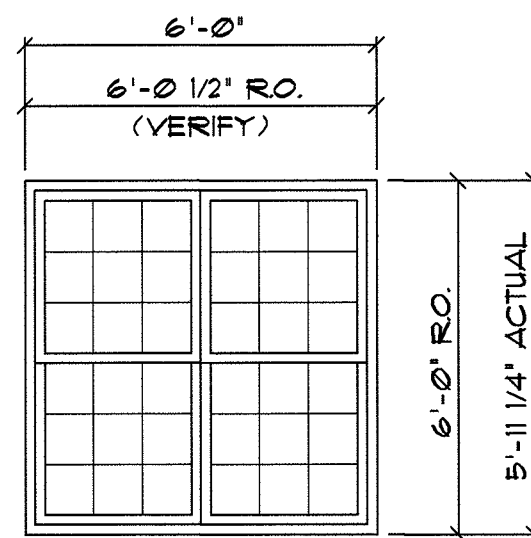
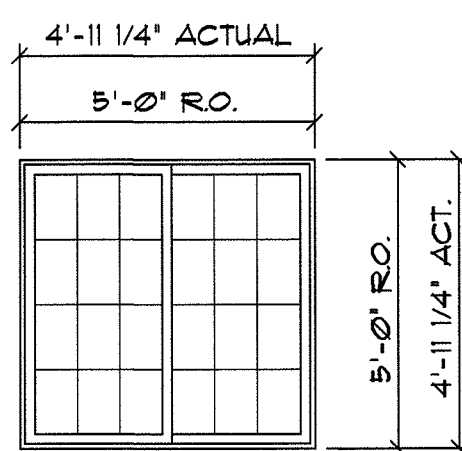
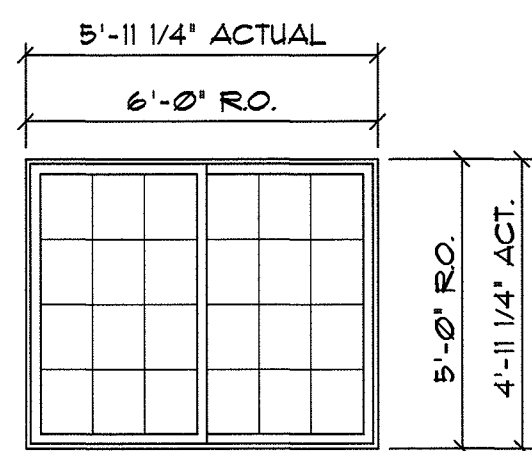
NOTE: ALL HARDIE-BOARD MATERIALS TO BE PAINTED. COLOR TO MATCH EXISTING.

1. SEE SITE PLANS FOR LOCATIONS OF COURTYARD DOWNSPOUTS PIPED TO YARD INLETS.
2. ALL COURTYARD DOWNSPOUTS TO BE PIPED TO SITE STORMWATER DRAINAGE SYSTEM.
3. DOWNSPOUTS ARE NOT SHOWN AT COLUMNS FOR CLARITY. VERIFY PLACEMENT W/ ARCHITECT.
4. ALL EXTERIOR PERIMETER DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCKS. PLASTIC SPLASH BLOCKS ARE NOT ALLOWED.



**1308 ELEVATION**  
SCALE: 1/8" = 1'-0"





**A** GERKIN WINDOWS - RHINO SERIES  
MODEL NO. 5045 - 72" X 60"  
ALUM. HORIZONTAL SLIDER WINDOW  
W/ GRILL PATTERN - COLOR TO BE BRONZE

**B** GERKIN WINDOWS - RHINO SERIES  
MODEL NO. 5045 - 60" X 60"  
ALUM. HORIZONTAL SLIDER WINDOW  
W/ GRILL PATTERN - COLOR TO BE BRONZE

**C** GERKIN WINDOWS - RHINO SERIES  
MODEL NO. 5000 - (2) 36" X 72"  
SINGLE-HUNG WINDOW UNIT  
W/ GRILL PATTERN - COLOR TO BE BRONZE

**D** GERKIN WINDOWS - RHINO SERIES  
MODEL NO. 5000 - (2) 36" X 48"  
SINGLE-HUNG WINDOW UNIT  
W/ GRILL PATTERN - COLOR TO BE BRONZE

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

**2001 DETAIL WINDOW SCHEDULE** COLOR OF ALL EXTERIOR WINDOWS AND STOREFRONT MATERIAL TO BE BRONZE (MATCH EXISTING).  
SCALE: N.T.S.

**WINDOW SCHEDULE NOTES:**

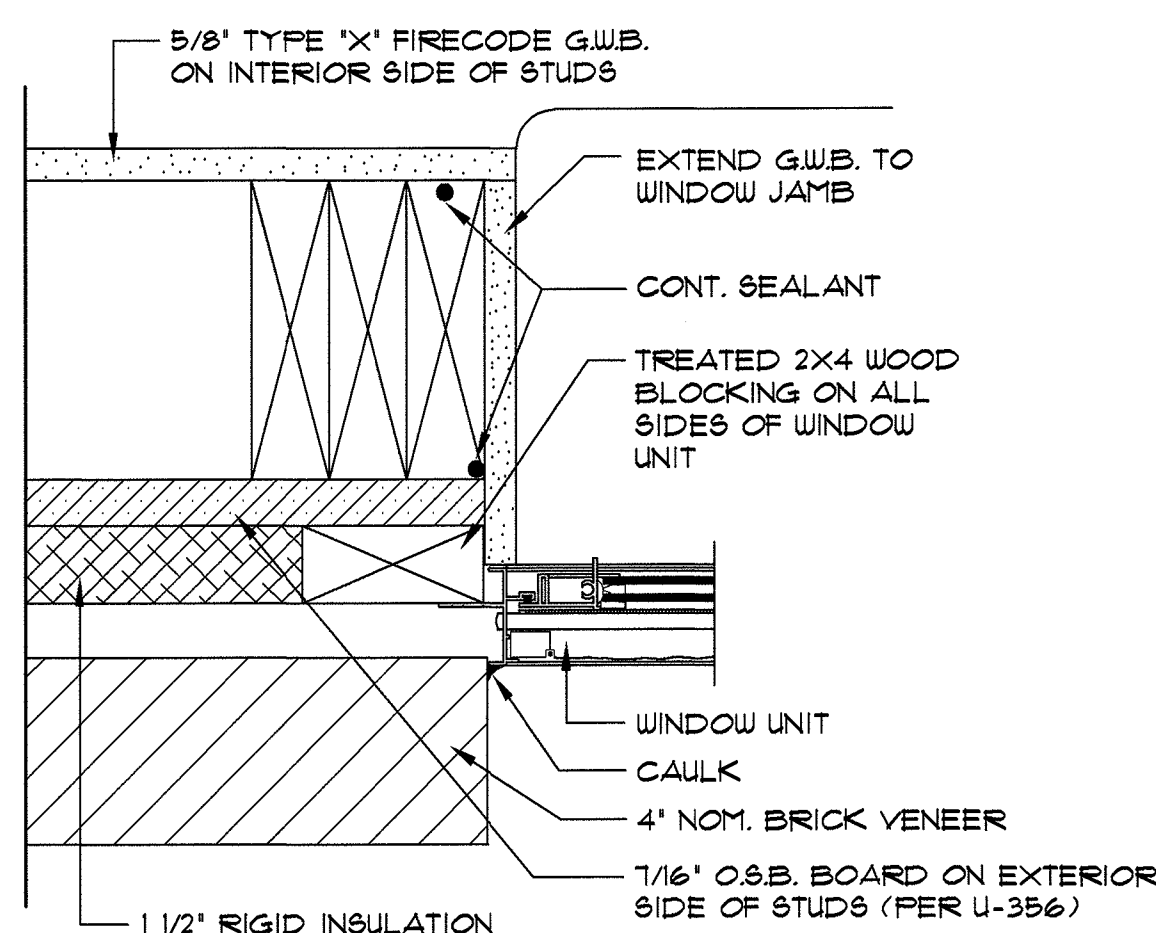
ALL WINDOW UNITS TO BE COMPLETE, INCLUDING FLASHING, INSULATING GLASS, OPERABLE HARDWARE, GRILLE PATTERN, AND INSECT SCREENS FOR OPERABLE UNITS.

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

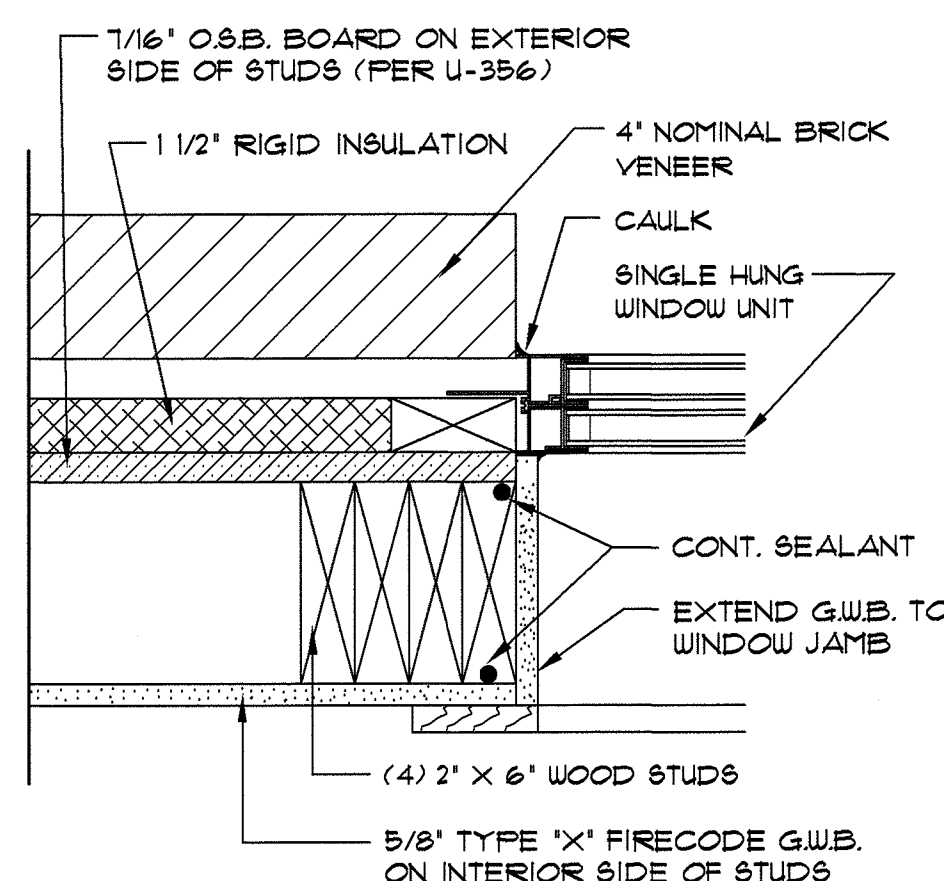
WINDOW UNIT 'C' TO HAVE TEMPERED SAFETY GLAZING

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

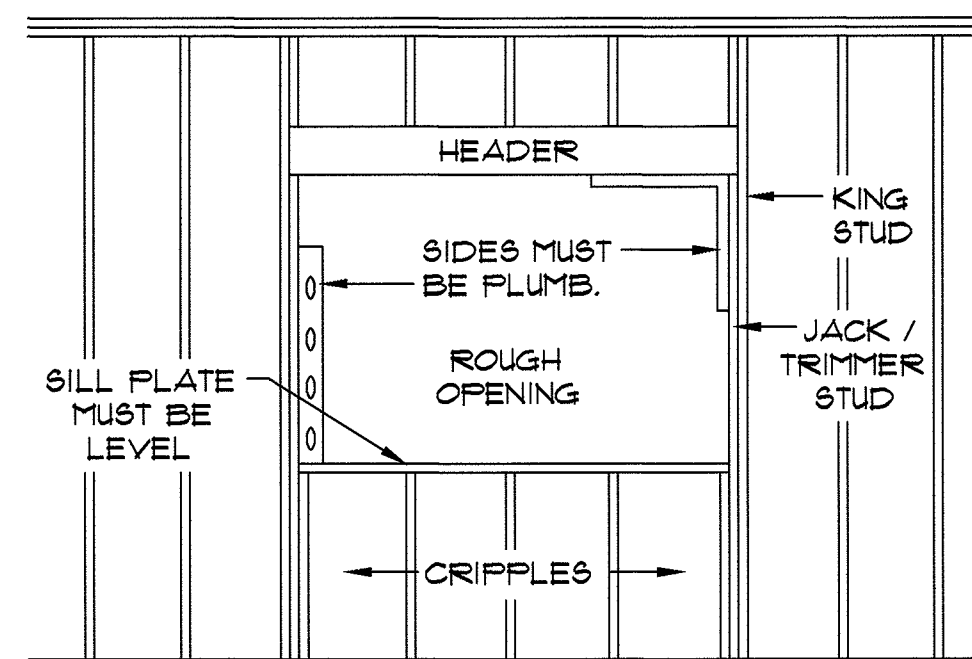
VERIFY WOOD STUD DESCRIPTION WITH STRUCTURAL DRAWINGS.



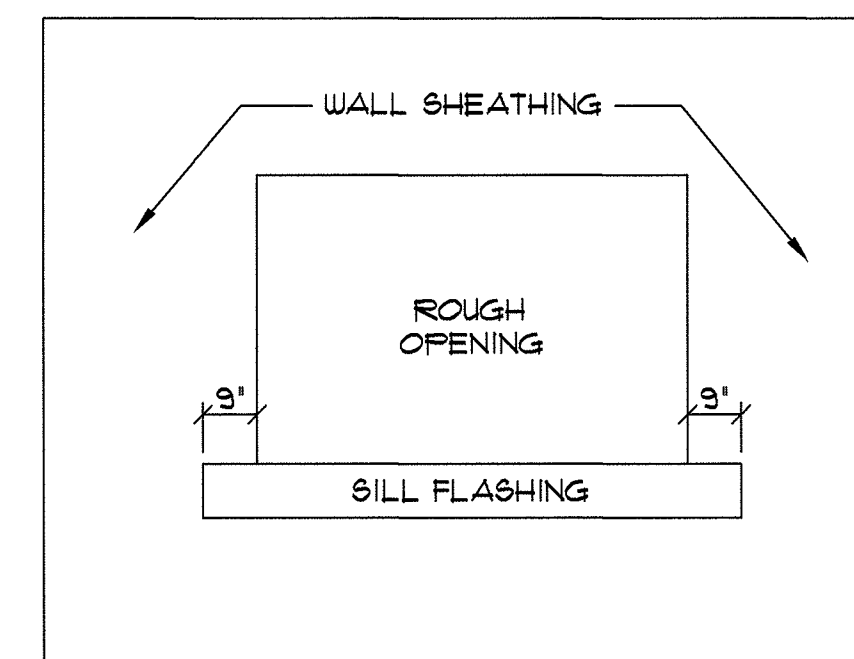
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS.



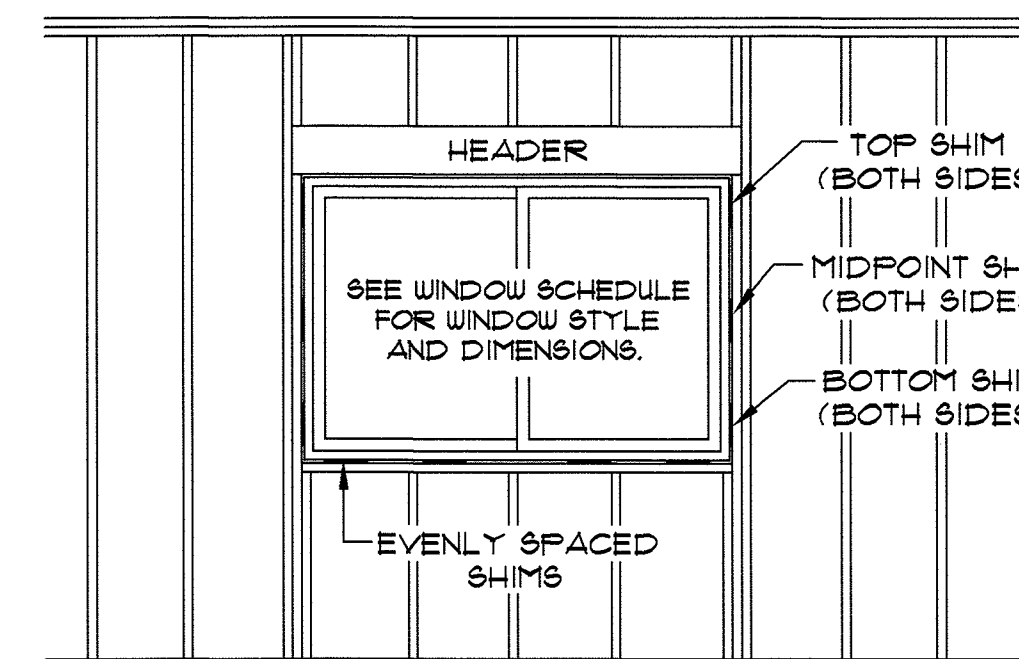
VERIFY FLASHING REQUIREMENTS W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS.



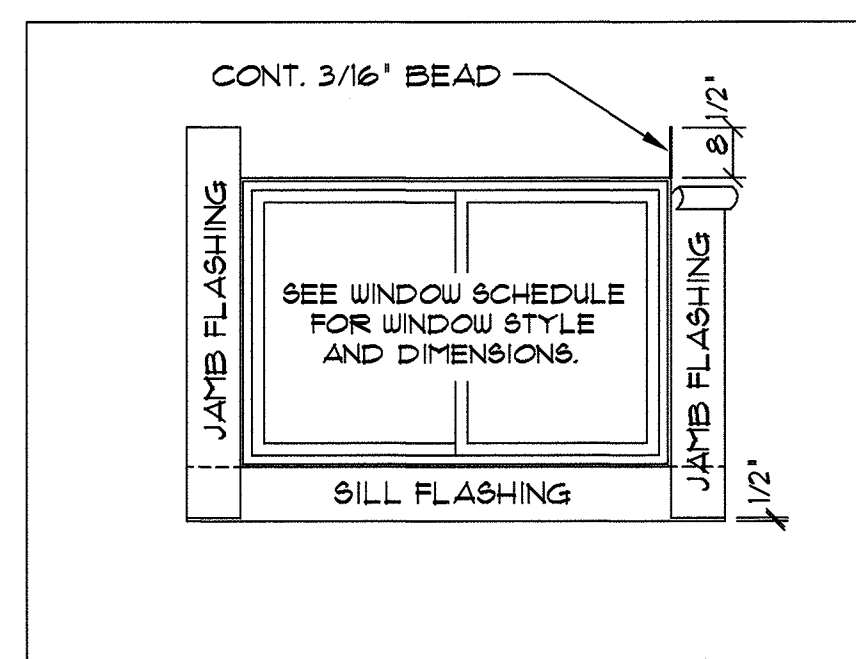
INTERIOR VIEW



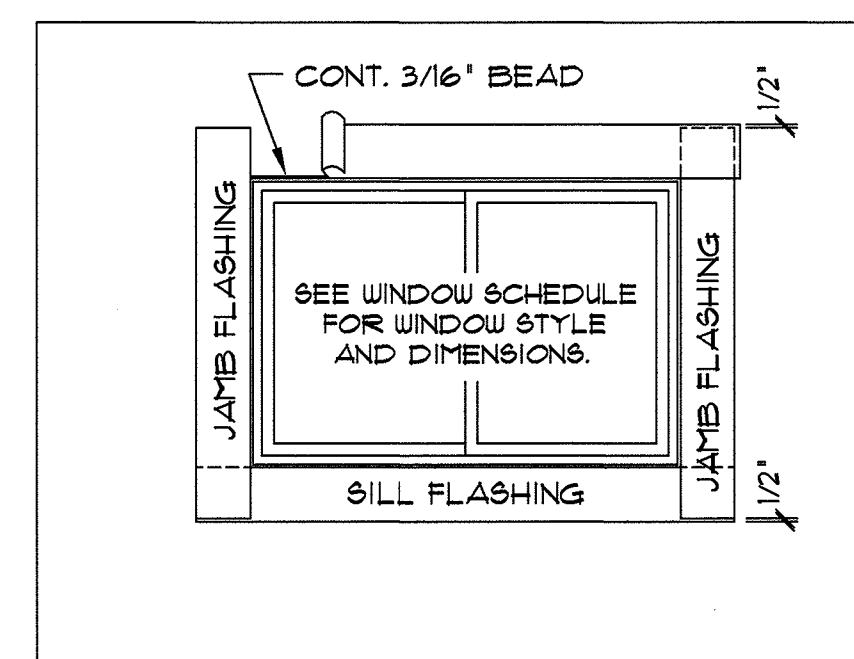
EXTERIOR VIEW



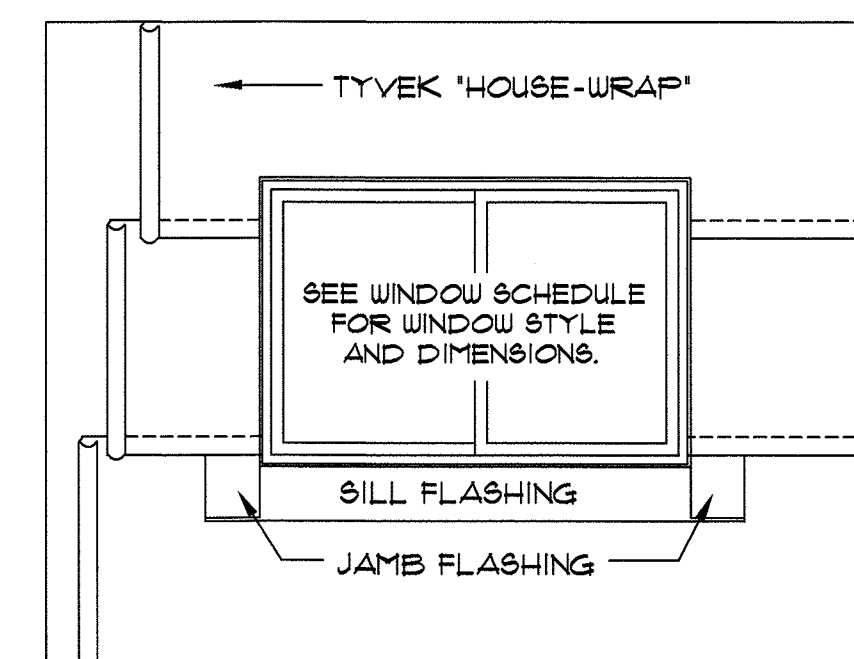
INTERIOR VIEW



EXTERIOR VIEW



EXTERIOR VIEW



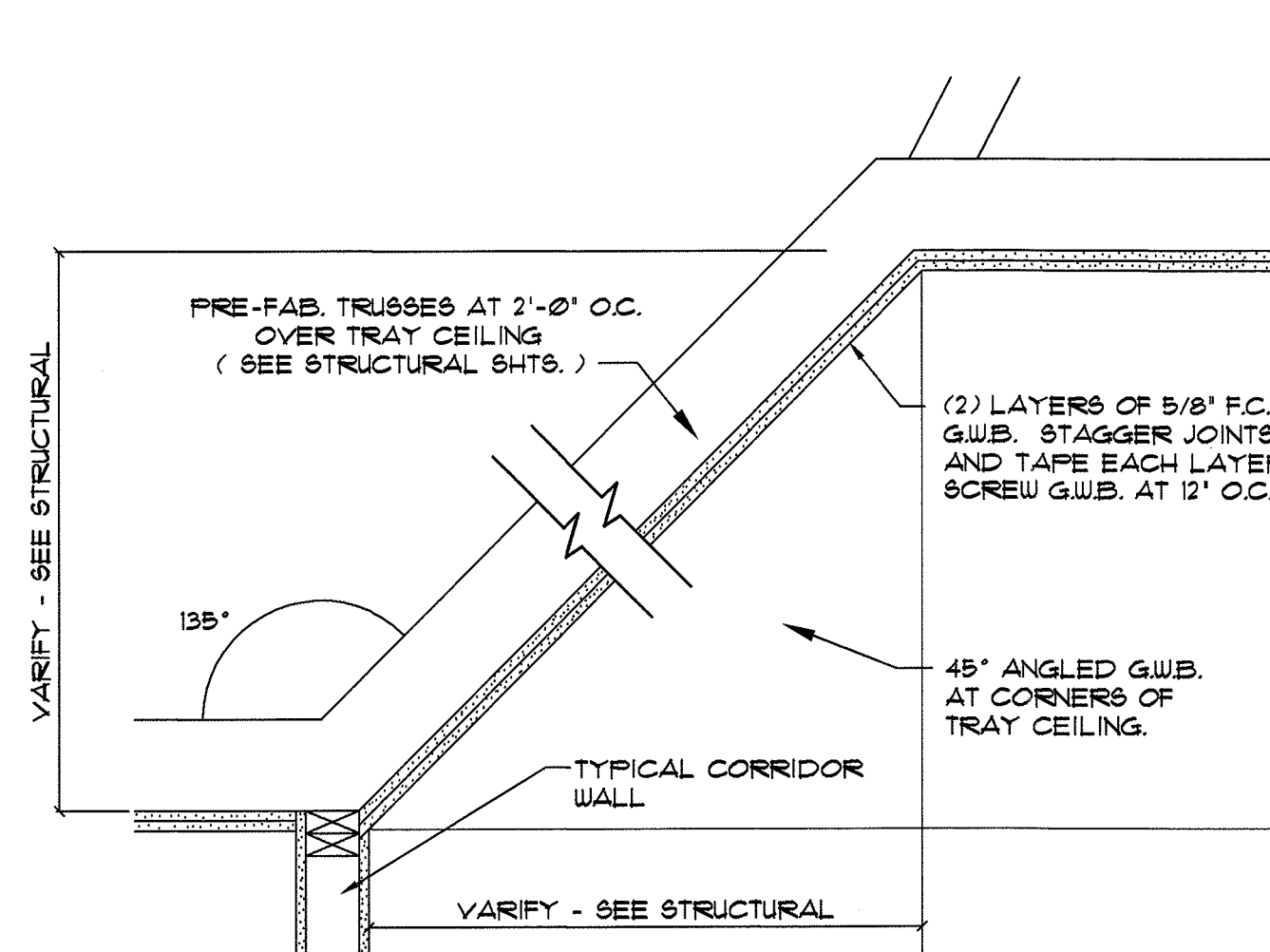
EXTERIOR VIEW

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

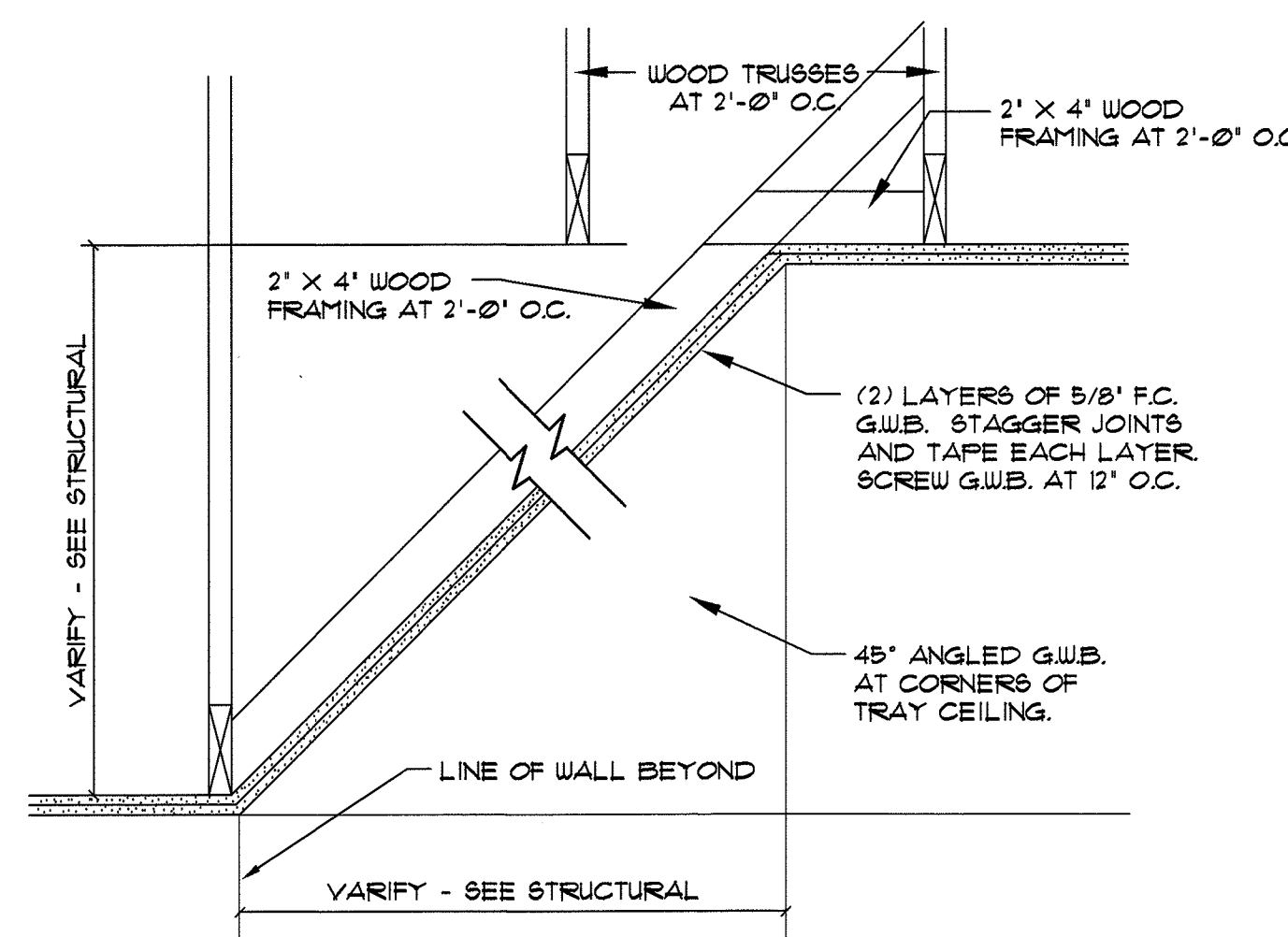
**2002 DETAIL JAMB AT HORIZONTAL SLIDER WINDOW UNIT**  
SCALE: N.T.S.

**2003 DETAIL JAMB AT SINGLE-HUNG WINDOW UNIT (AT BRICK VENEER)**  
SCALE: N.T.S.

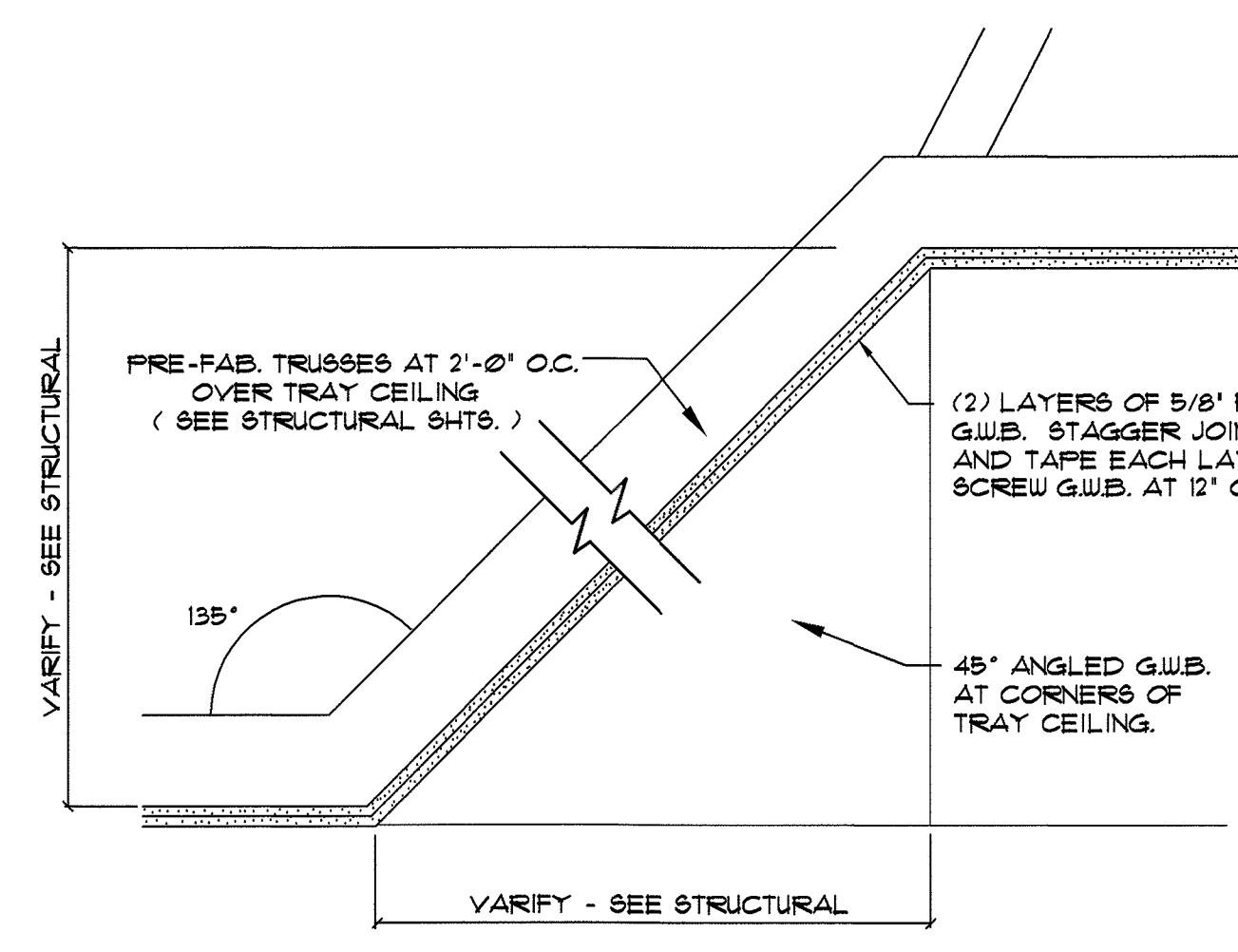
**2004 ELEVATION TYPICAL WINDOW INSTALLATION**  
SCALE: 3/8" = 1'-0"



TRAY CEILING - SECTION PARALLEL TO TRUSSES AT CORRIDOR



TRAY CEILING - SECTION PERPENDICULAR TO TRUSSES

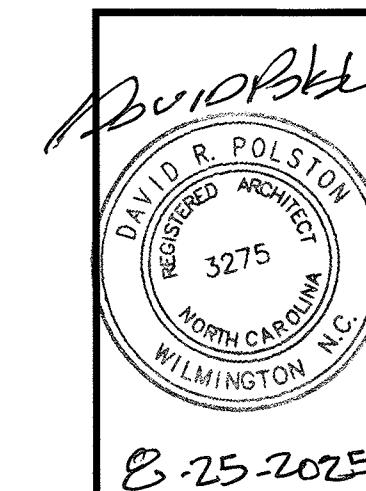


TRAY CEILING - SECTION PARALLEL AT PHYSICAL THERAPY #19, CONCIERGE LIVING / REC. #20, AND CONCIERGE DINING #21

**NOTE:**

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

**2005 DETAIL TYPICAL TRAY CEILING DETAILS**  
SCALE: N.T.S.



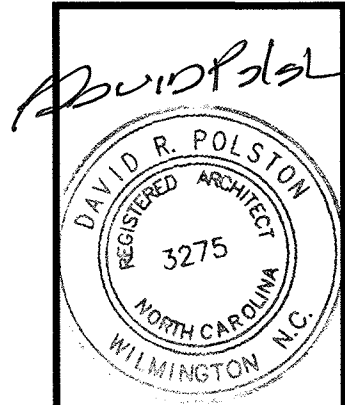
**PRUITTHEALTH**  
**TOWN CENTER**  
Harrisburg, North Carolina

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

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A**  
**20**





8-26-2025

**PRUITTHEALTH**  
**TOWN CENTER**  
Harrisburg, North Carolina

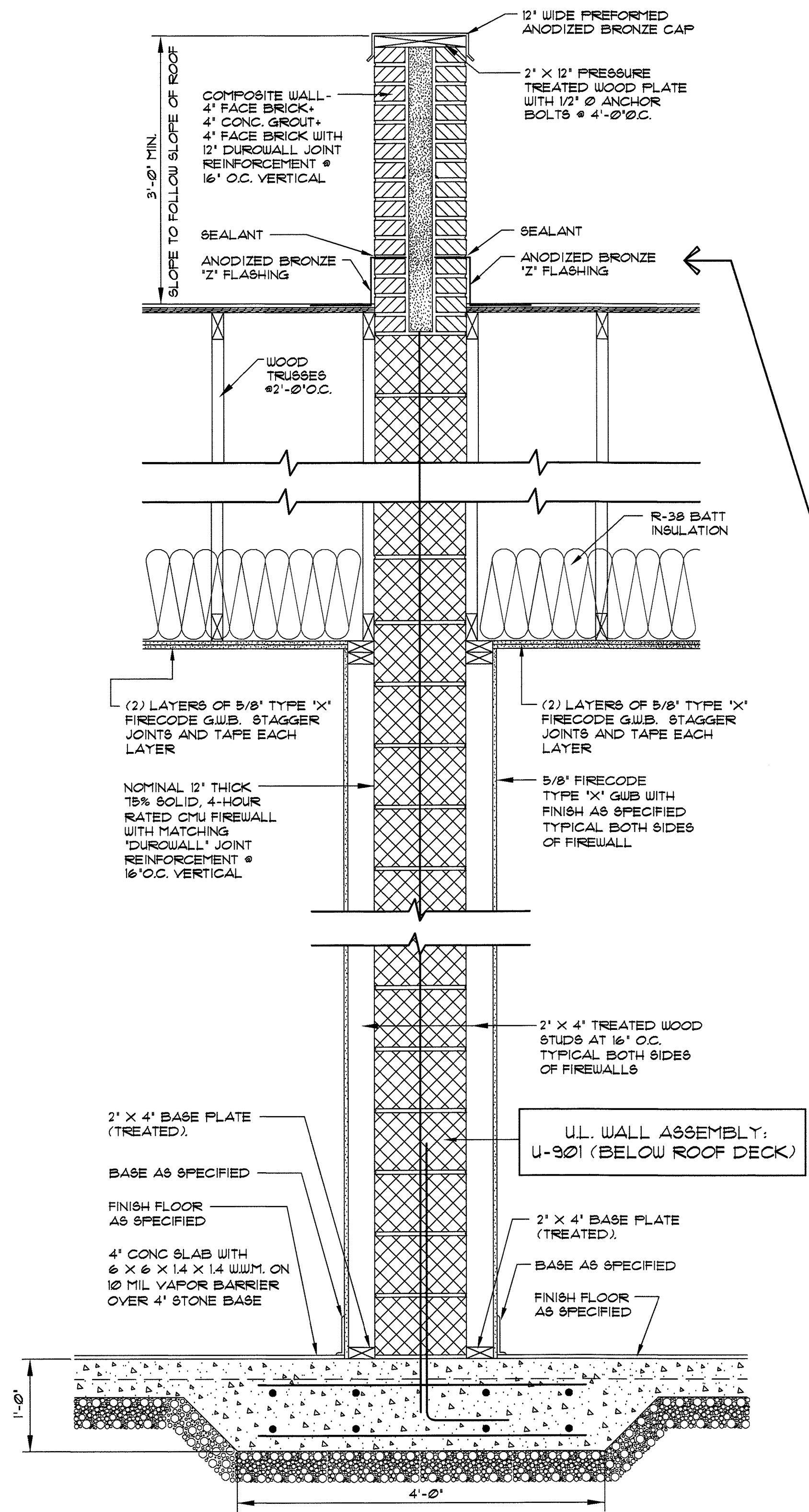
**David R. Polston - Architect**  
3806 Park Ave. Suite C, Wilmington, NC 28403  
Architecture Planning Design

57 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**A**  
**21**

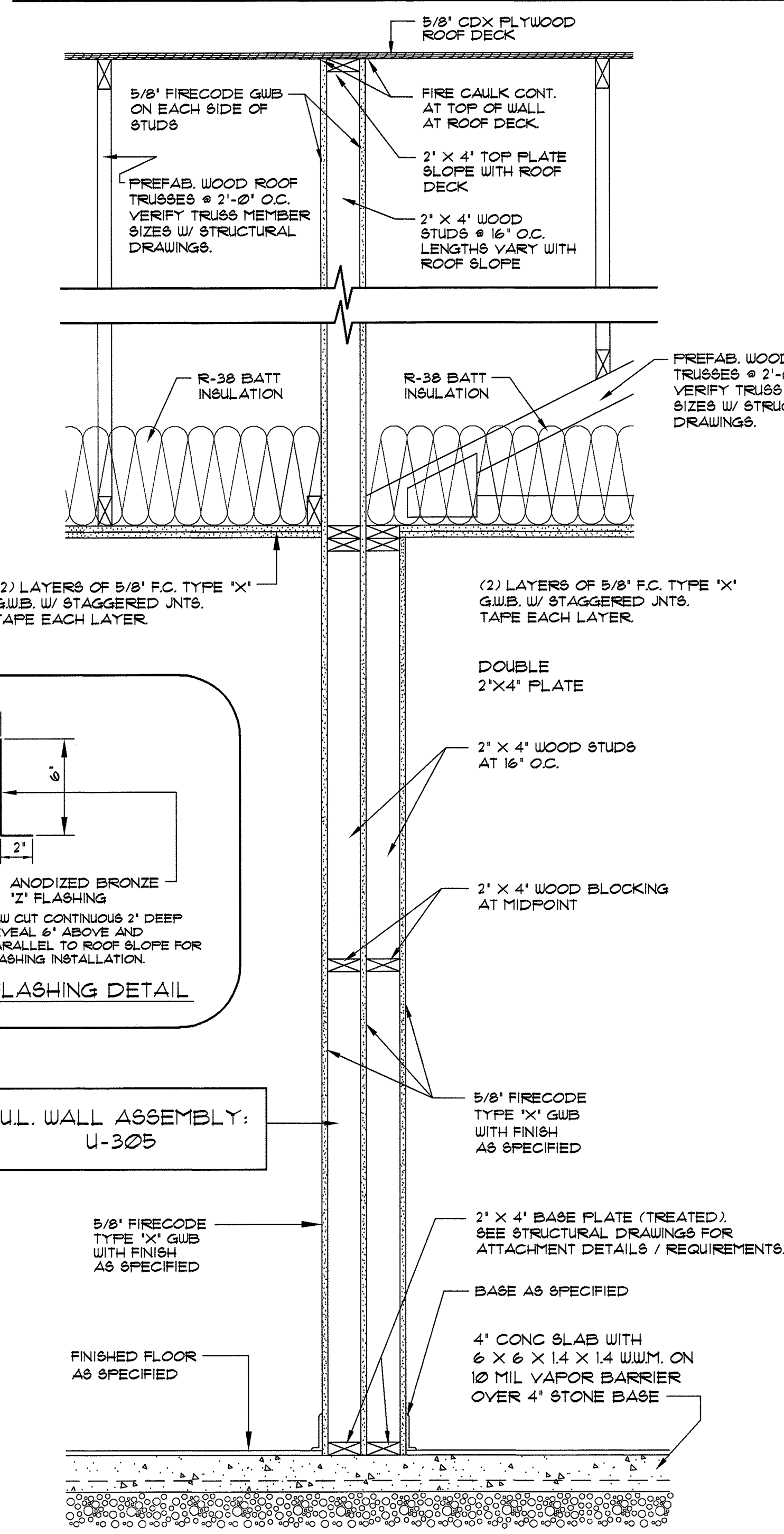
**ROOF / CEILING ASSEMBLY:**  
**GYPSON ASSOCIATION RC-2602**

NOTE: VERIFY ALL TRUSS MEMBER SIZES  
WITH STRUCTURAL DRAWINGS.



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

**SECTION 2101a**  
**SCALE: 1"=1'-0"**  
**TYP. 2-HR. FIREWALL / SMOKE BARRIER**  
**OUTSIDE BUILDING ENVELOPE**



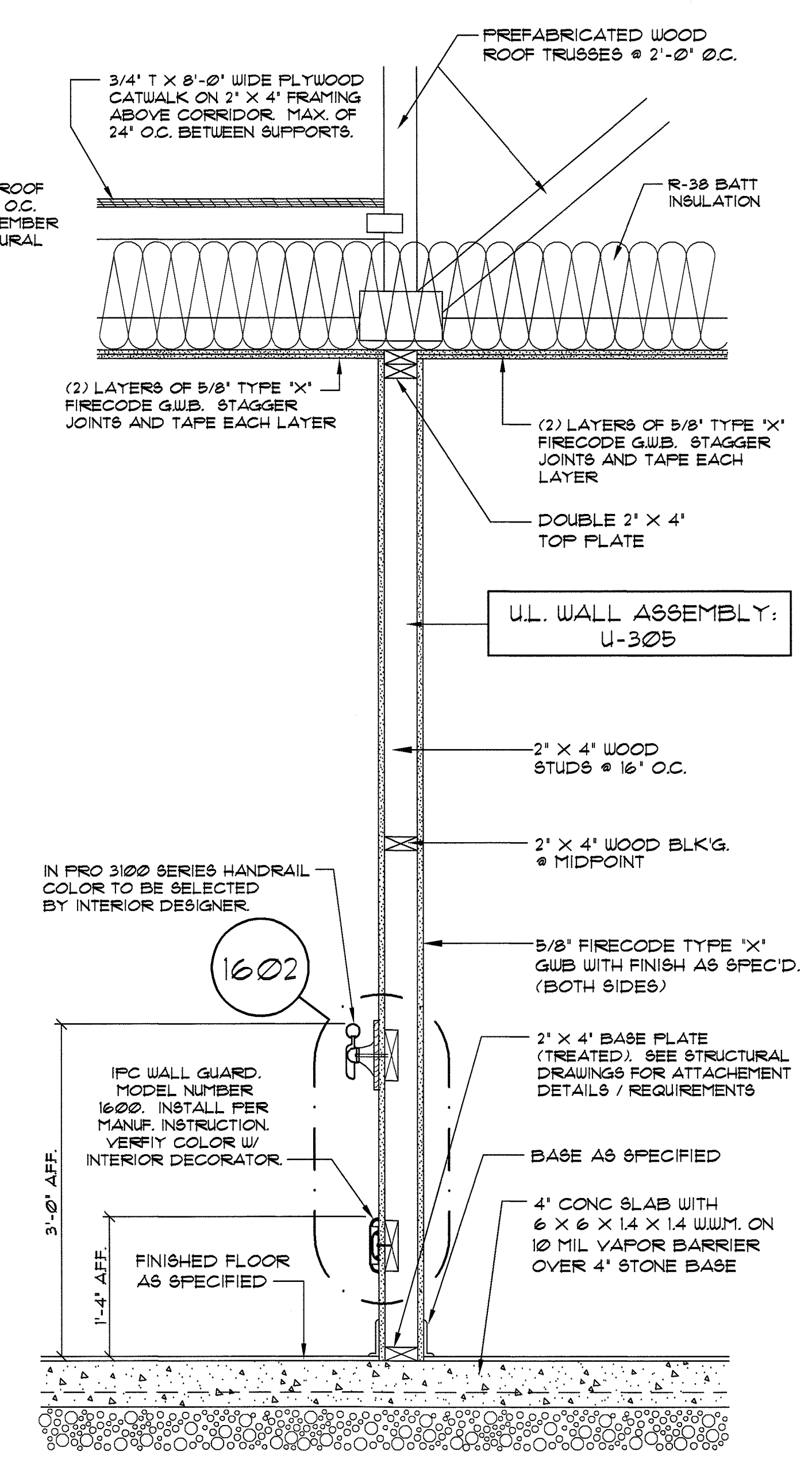
CONTRACTOR MAY SUBSTITUTE A DOUBLE PRE-FAB. GABLE END TRUSS W/ 1/2' PLYWOOD SPACER ABOVE THE FINISHED CEILING. THE WALL THICKNESS MUST BE AT LEAST 3 1/2'.

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

**SECTION 2102**  
**SCALE: 1"=1'-0"**  
**1-HOUR FIRE / SMOKE BARRIER**  
**AT BEARING WALL LOCATION**

**ROOF / CEILING ASSEMBLY:**  
**GYPSON ASSOCIATION RC-2602**

NOTE: VERIFY ALL TRUSS MEMBER SIZES  
WITH STRUCTURAL DRAWINGS.

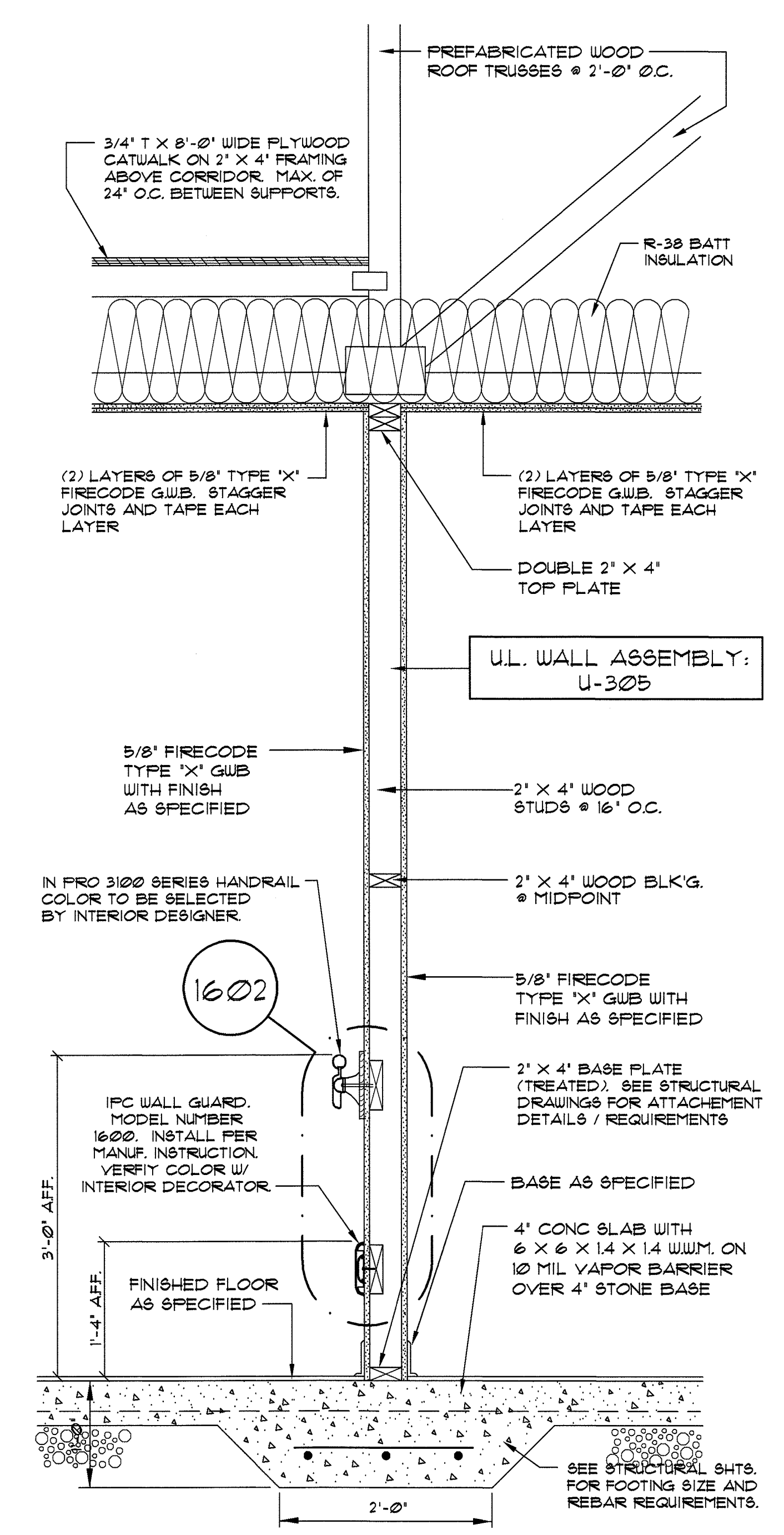


IN PRO 3100 SERIES HANDRAIL COLOR TO BE SELECTED BY INTERIOR DESIGNER.

**SECTION 2103**  
**SCALE: 1"=1'-0"**  
**TYPICAL CORRIDOR WALL**

**ROOF / CEILING ASSEMBLY:**  
**GYPSON ASSOCIATION RC-2602**

NOTE: VERIFY ALL TRUSS MEMBER SIZES  
WITH STRUCTURAL DRAWINGS.



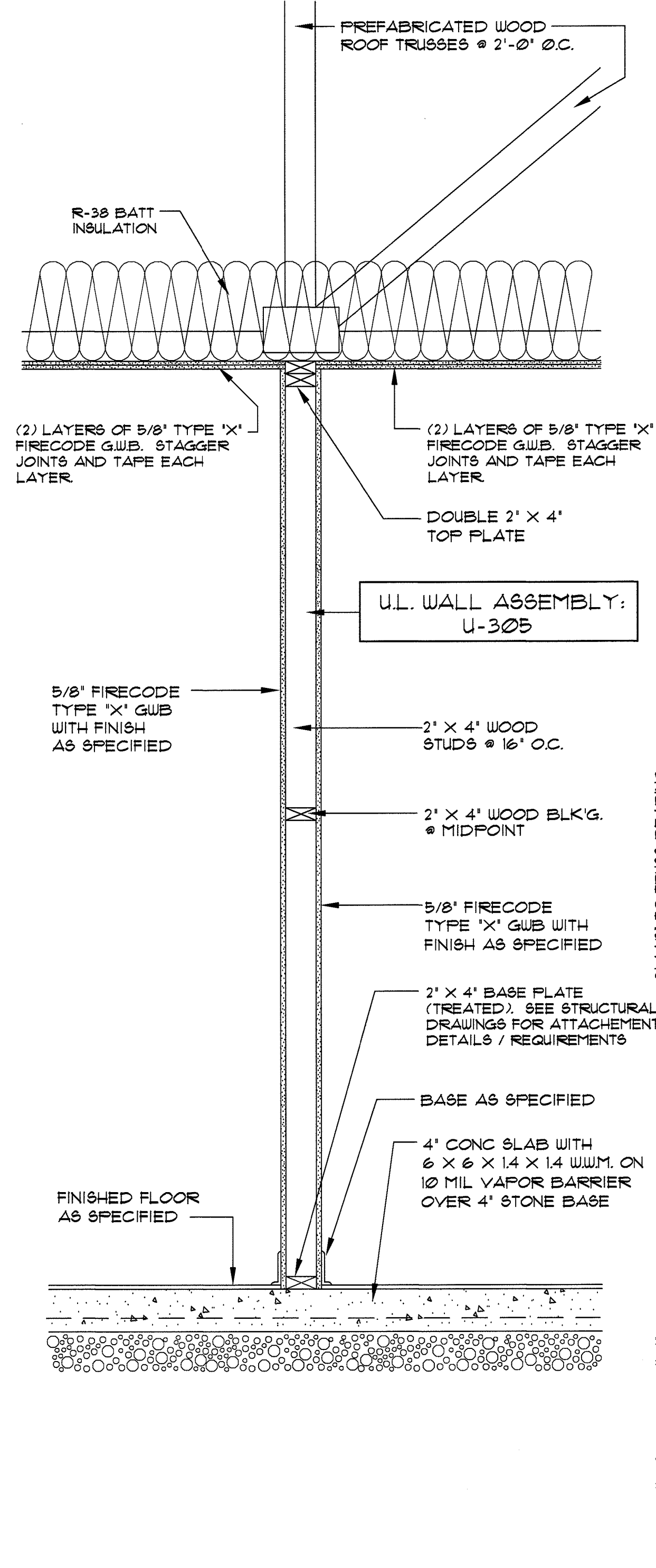
NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF CORRIDOR WALLS THAT WILL BE USED AS BEARING WALLS. SEE STRUCTURAL DRAWINGS FOR DETAILS / DESIGN OF THE THICKENED SLABS USED AT THESE LOCATIONS.

**SECTION 2104**  
**SCALE: 1"=1'-0"**  
**TYPICAL CORRIDOR WALL**  
**AT BEARING LOCATIONS**



**ROOF / CEILING ASSEMBLY:**  
GYPSUM ASSOCIATION RC-2602

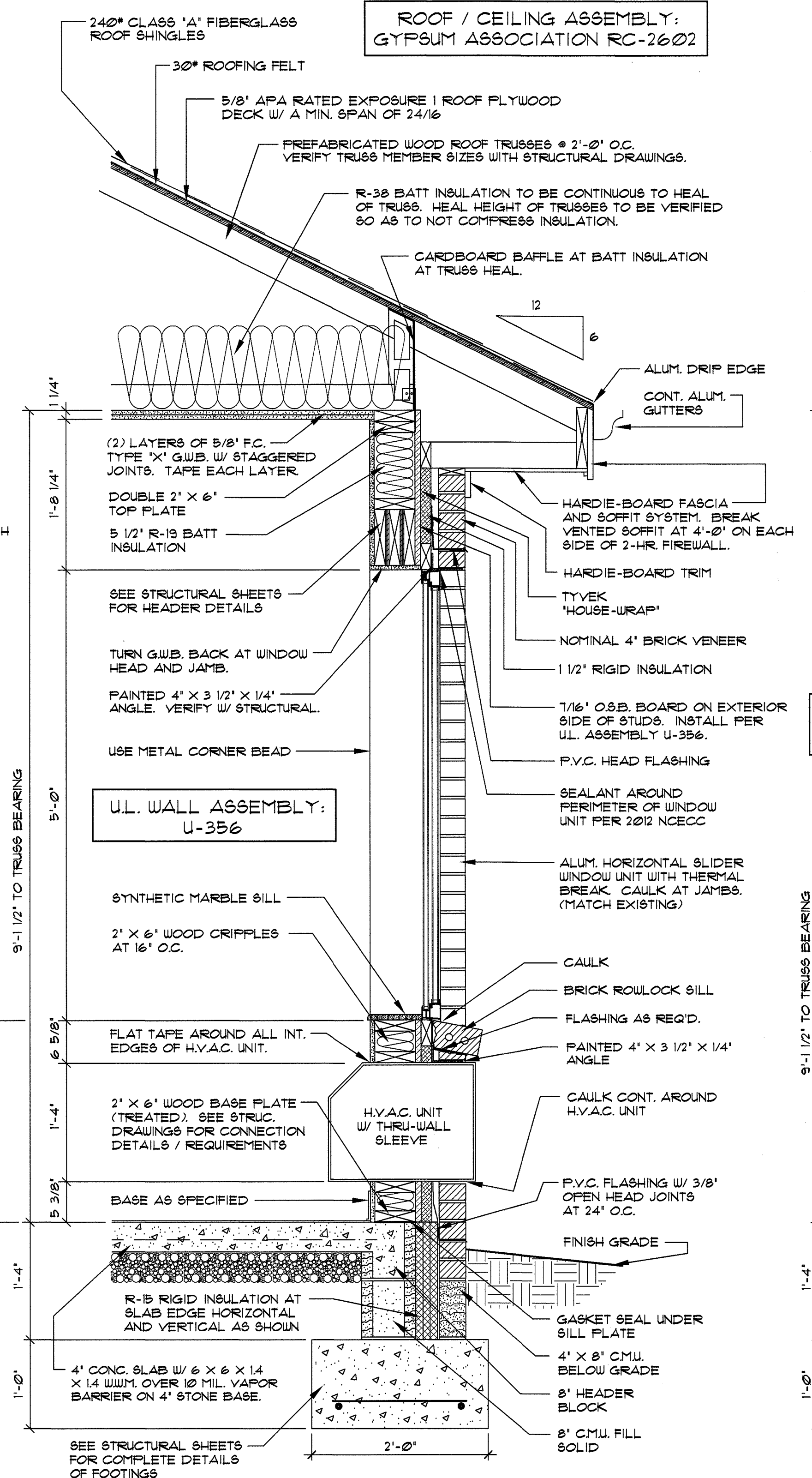
NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



**SECTION 2201**  
SCALE: 1" = 1'-0"  
TYPICAL INTERIOR PARTITION WALL

NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

**ROOF / CEILING ASSEMBLY:**  
GYPSUM ASSOCIATION RC-2602



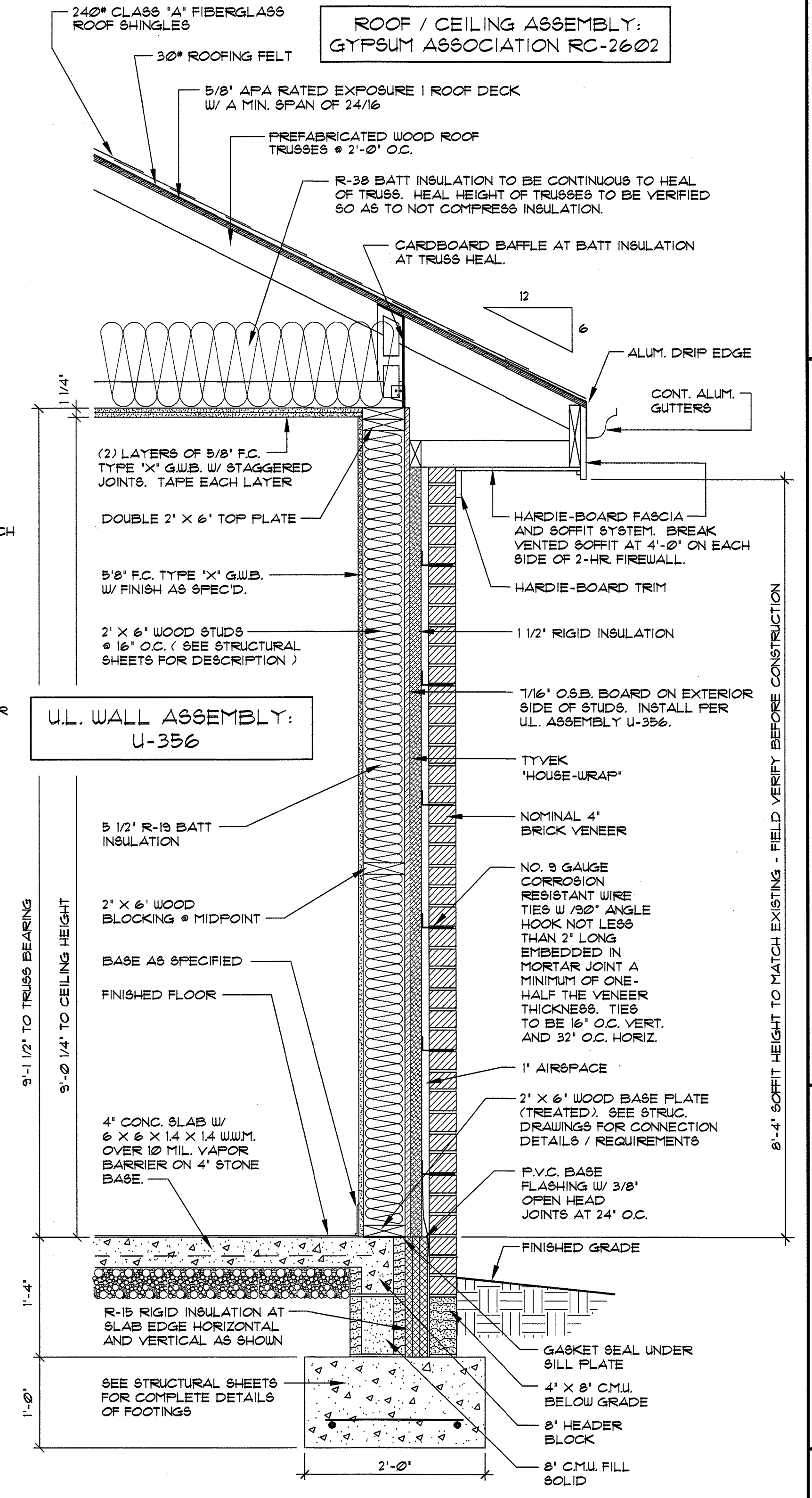
WALL SECTION ABOVE IS FOR HORIZONTAL SLIDER WINDOWS AT BEDROOMS WITH THRU-WALL H.V.A.C. UNITS - TYPICAL IN NEW BEDROOMS AT WINGS '200', '400', AND '500'.  
SEE DETAIL # 2303 FOR TYPICAL WALL SECTION AT HORIZONTAL SLIDER WINDOWS AT CONCOURSE BEDROOMS WHICH USE V.R.F. H.V.A.C. SYSTEMS, WINGS '600' AND '700'.

**SECTION 2203**  
SCALE: 1" = 1'-0"  
TYPICAL HORIZONTAL SLIDER WINDOW UNIT w / THRU-WALL H.V.A.C. AT BRICK VENEER

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

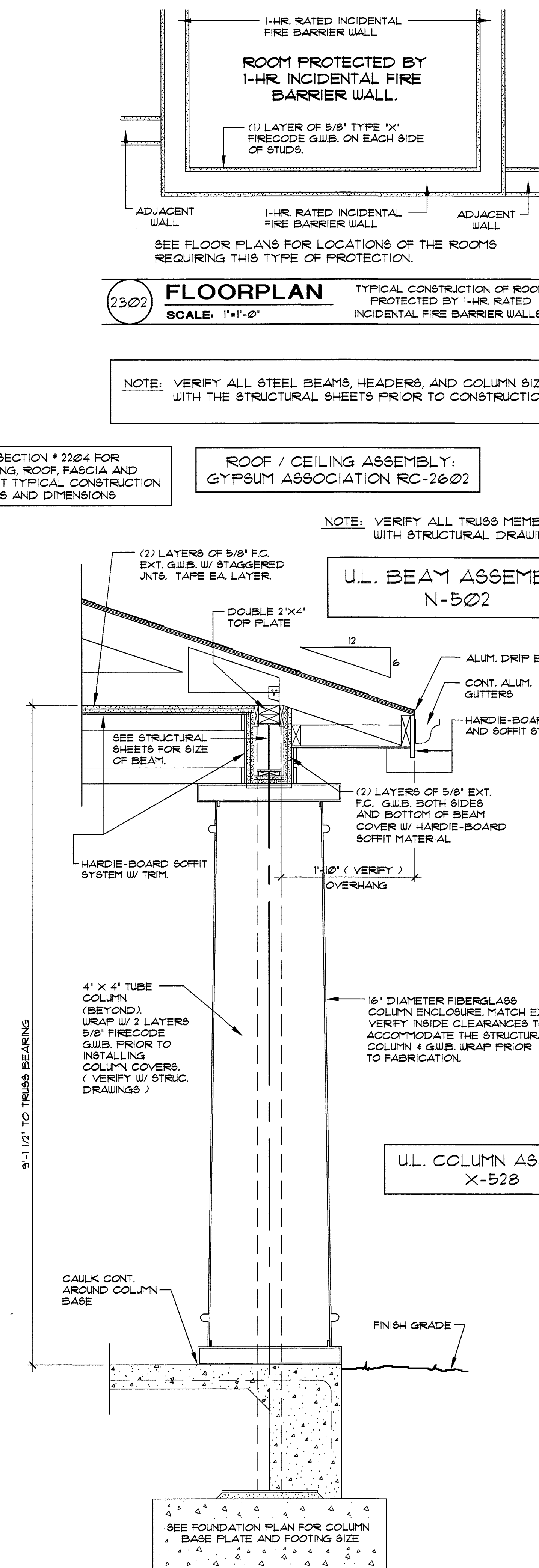
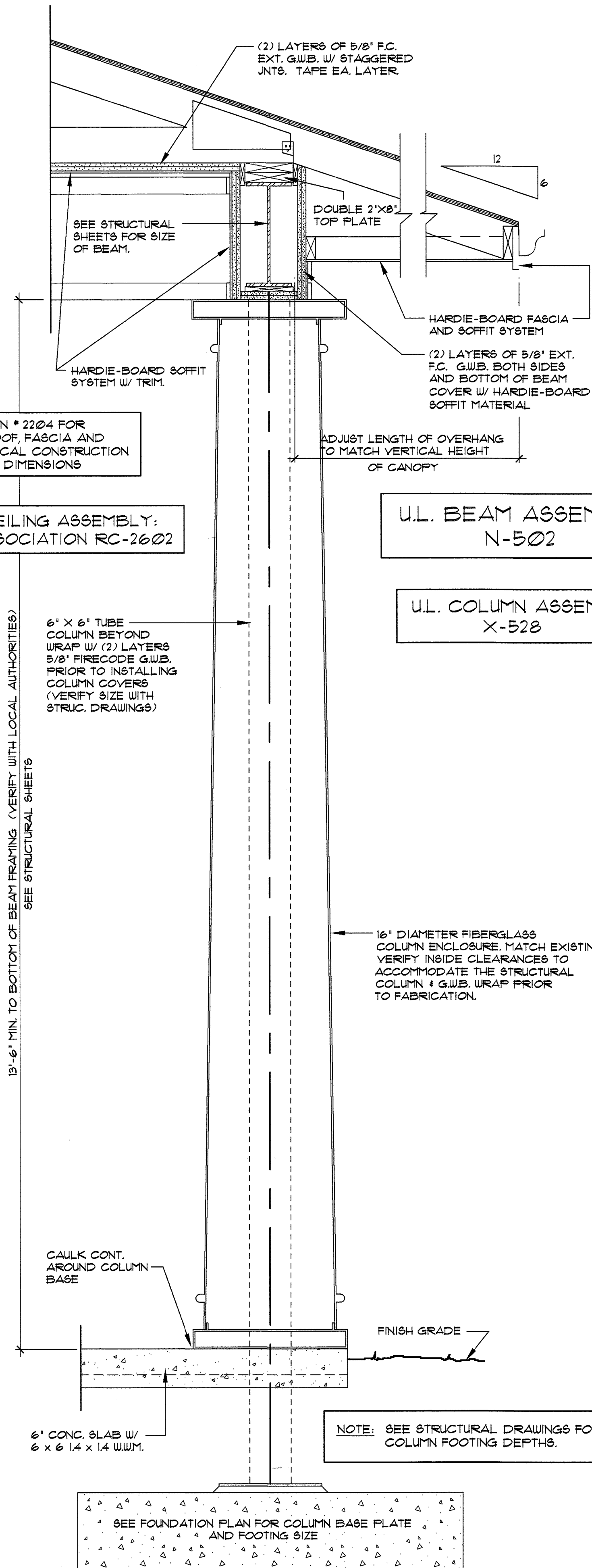
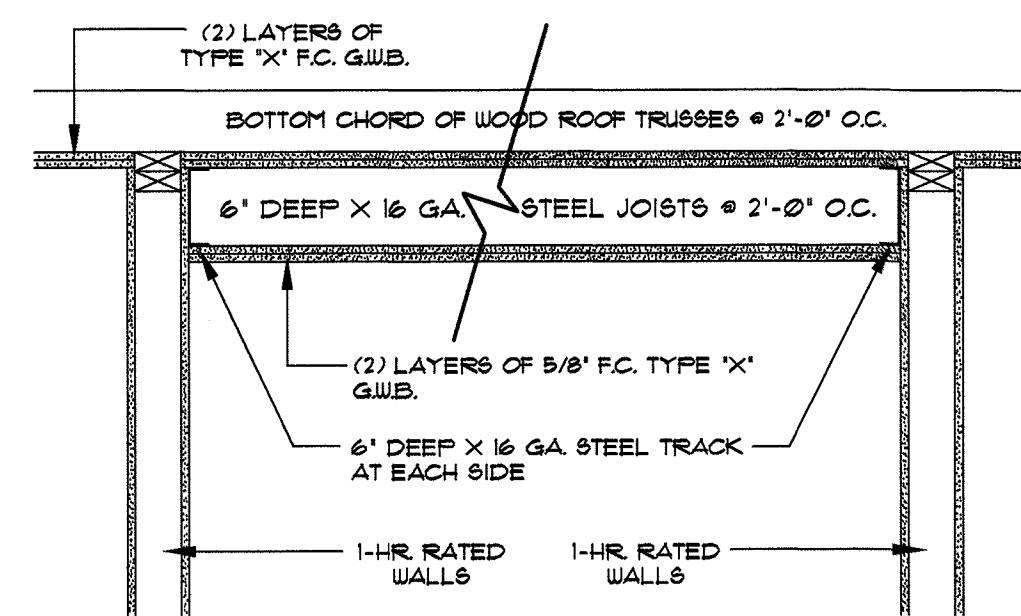
NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.

**ROOF / CEILING ASSEMBLY:**  
GYPSUM ASSOCIATION RC-2602



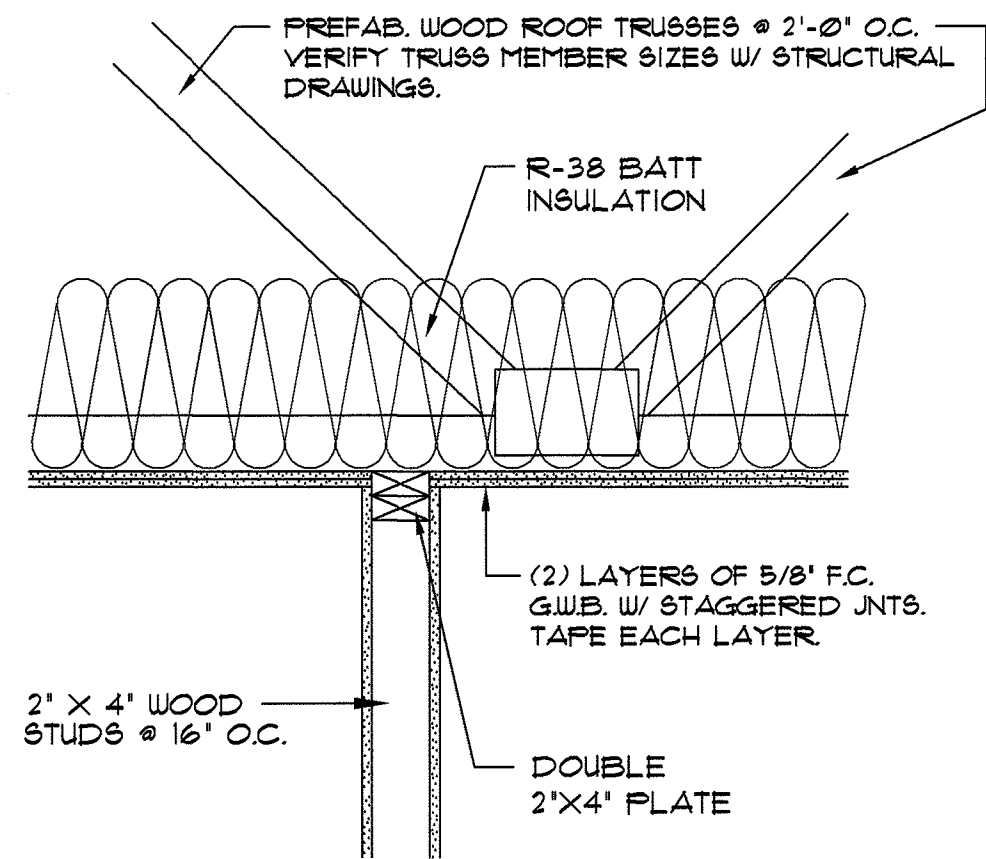
**SECTION 2204**  
SCALE: 1" = 1'-0"  
EXTERIOR WALL AT FULL HEIGHT BRICK VENEER



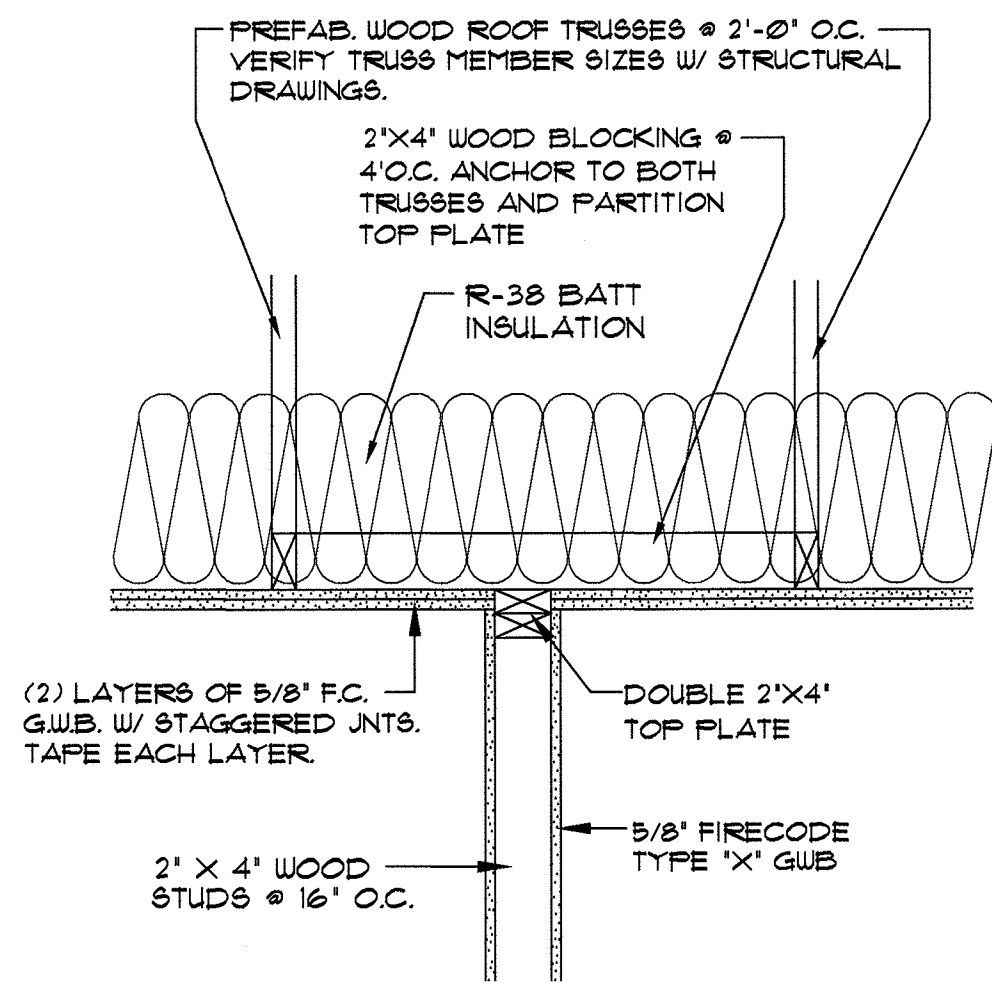




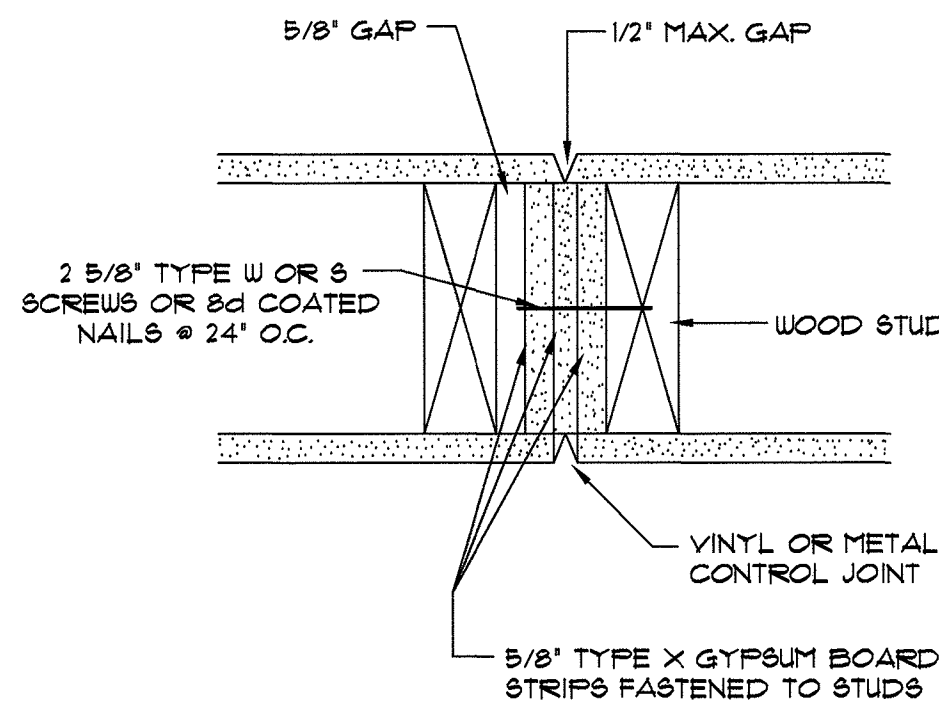
NOTE: VERIFY ALL STEEL BEAMS, HEADERS, AND COLUMN SIZES WITH THE STRUCTURAL SHEETS PRIOR TO CONSTRUCTION.



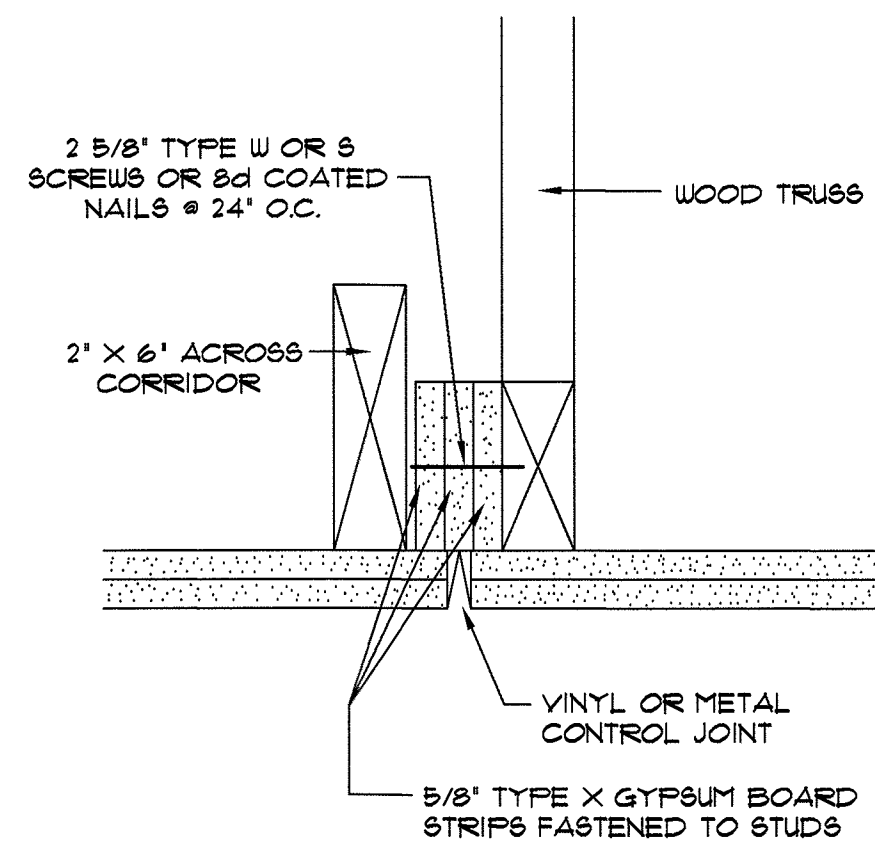
2401 **DETAIL** TYP. INTERIOR PARTITION PERPENDICULAR TO ROOF TRUSSES  
SCALE: N.T.S.



2402 **DETAIL** TYP. INTERIOR PARTITION PARALLEL TO ROOF TRUSSES  
SCALE: N.T.S.

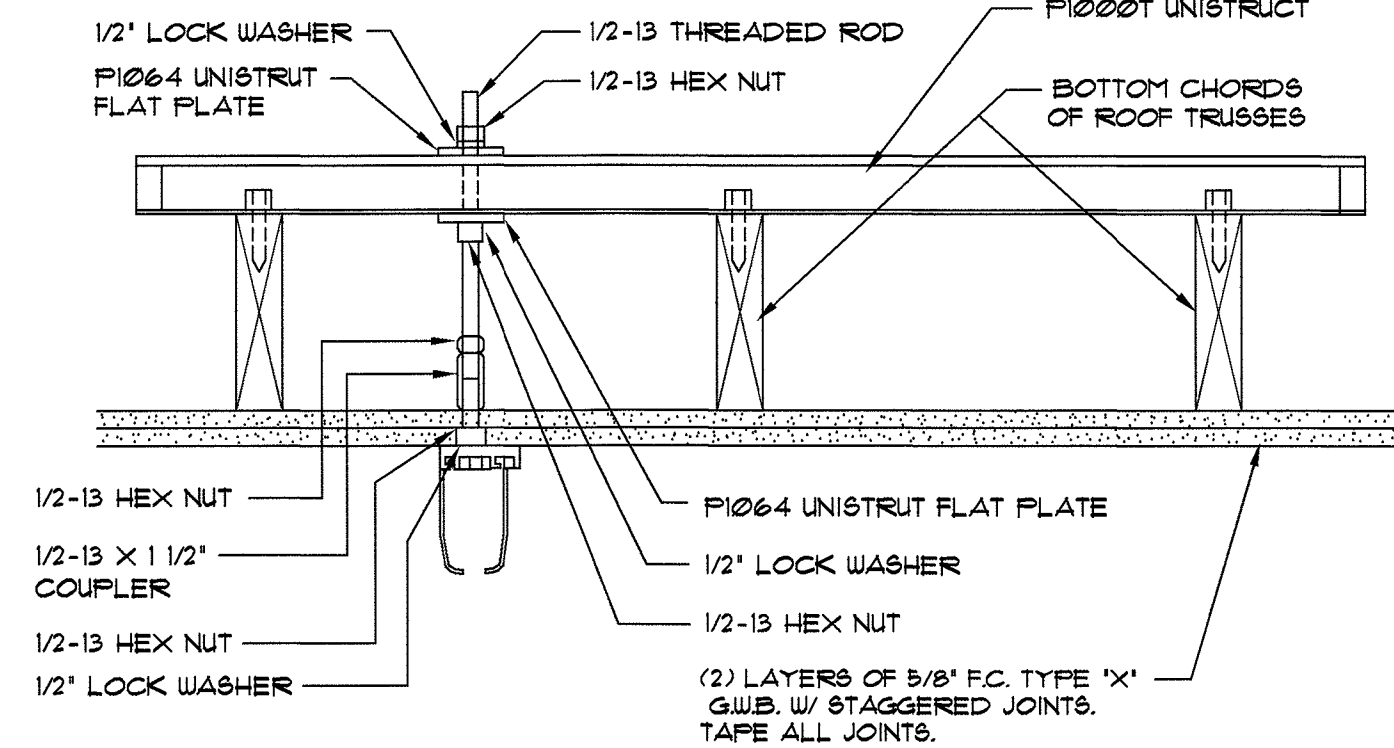


2403 **DETAIL** TYPICAL WALL CONTROL JOINT (1-HR. WALL)  
SCALE: N.T.S.

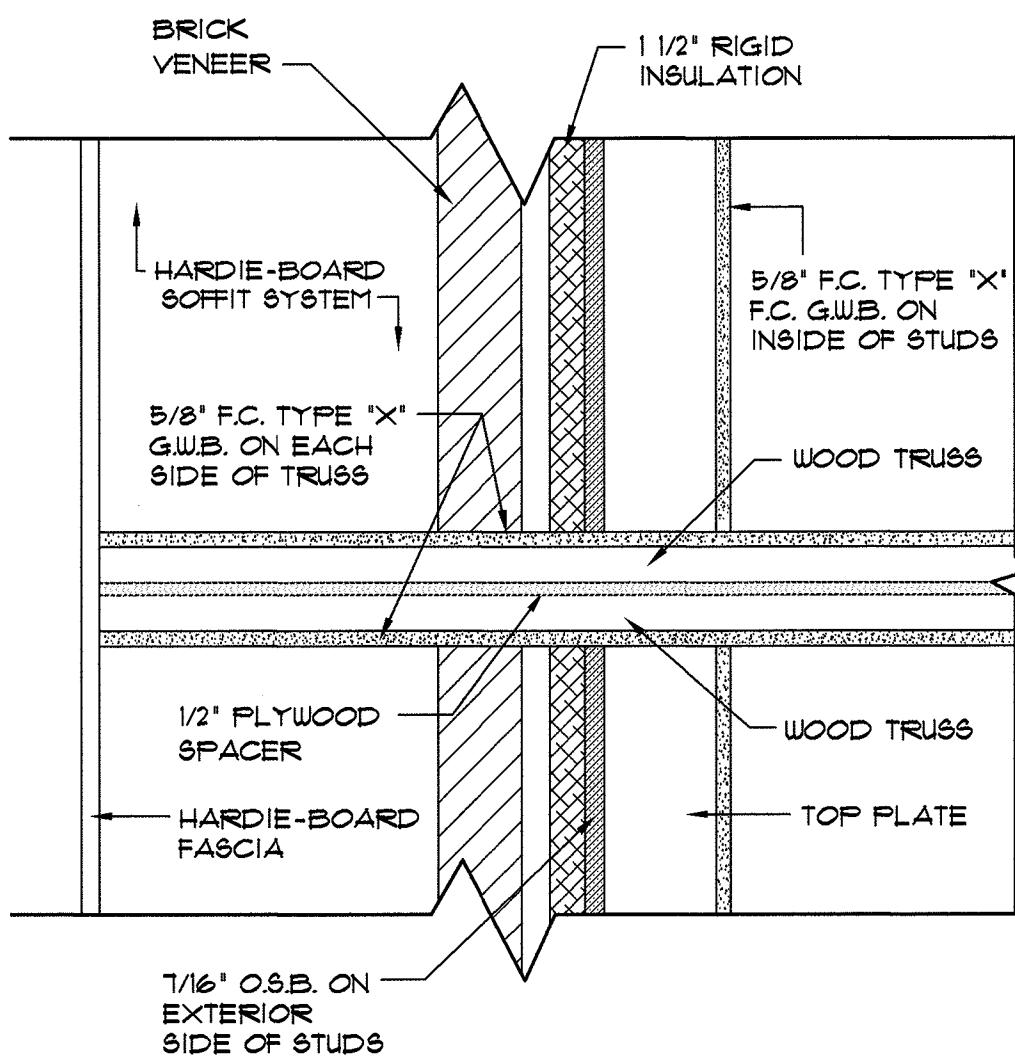


2404 **DETAIL** TYPICAL CEILING CONTROL JOINT (1-HR. RATED)  
SCALE: N.T.S.

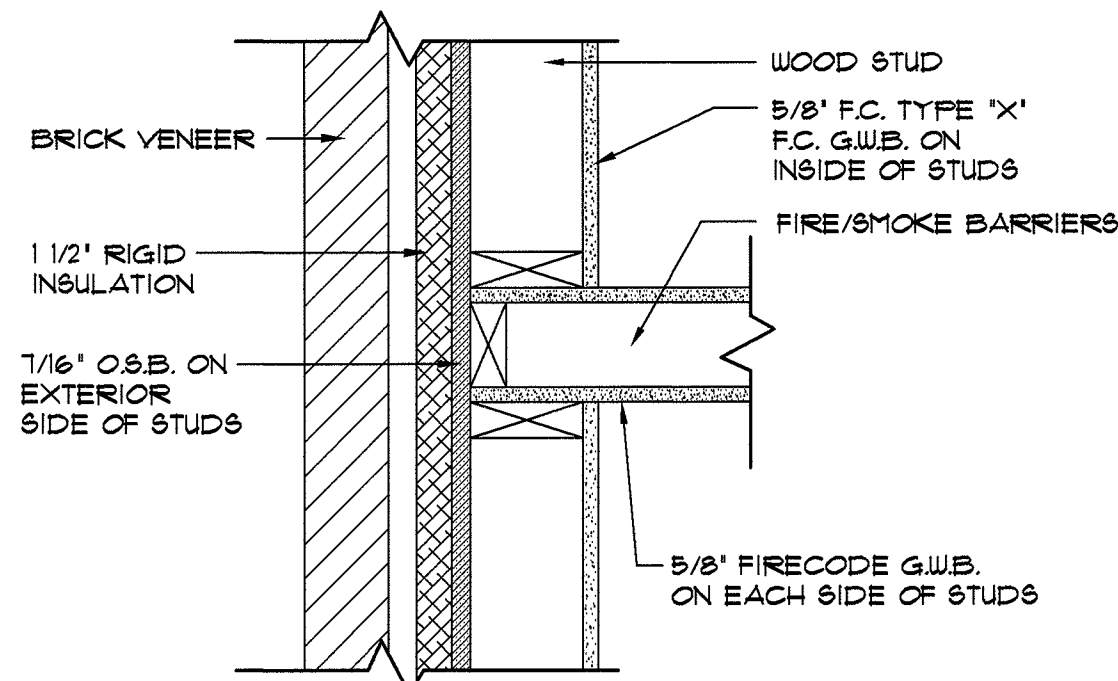
NOTE: VERIFY AND STRICTLY FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.



2405 **SECTION** BIODEX - FREESTEP GAS BRACING  
SCALE: N.T.S.

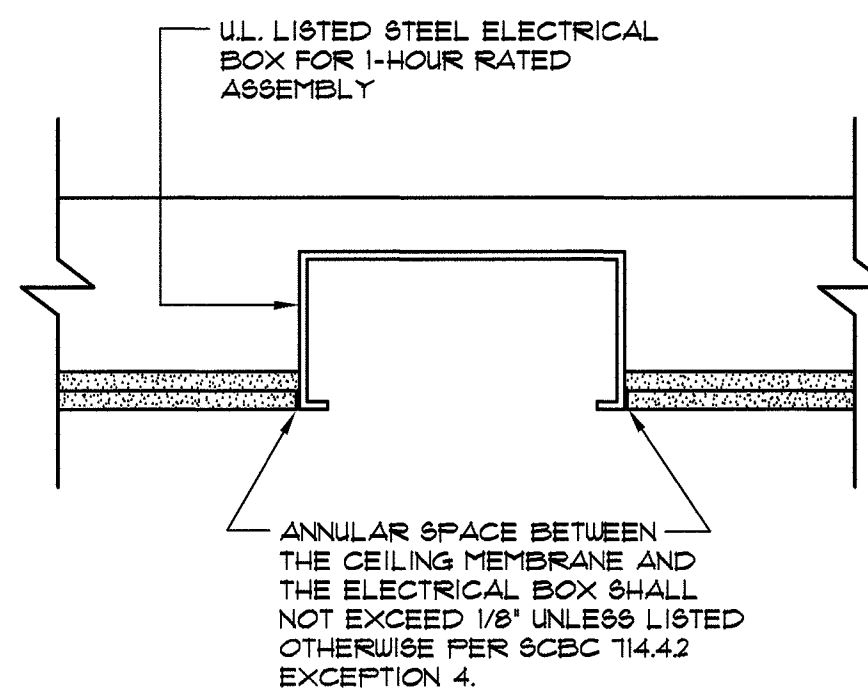


2406 **DETAIL** FIRE/SMOKE BARRIER AT SOFFIT  
SCALE: 1 1/2" = 1'-0"

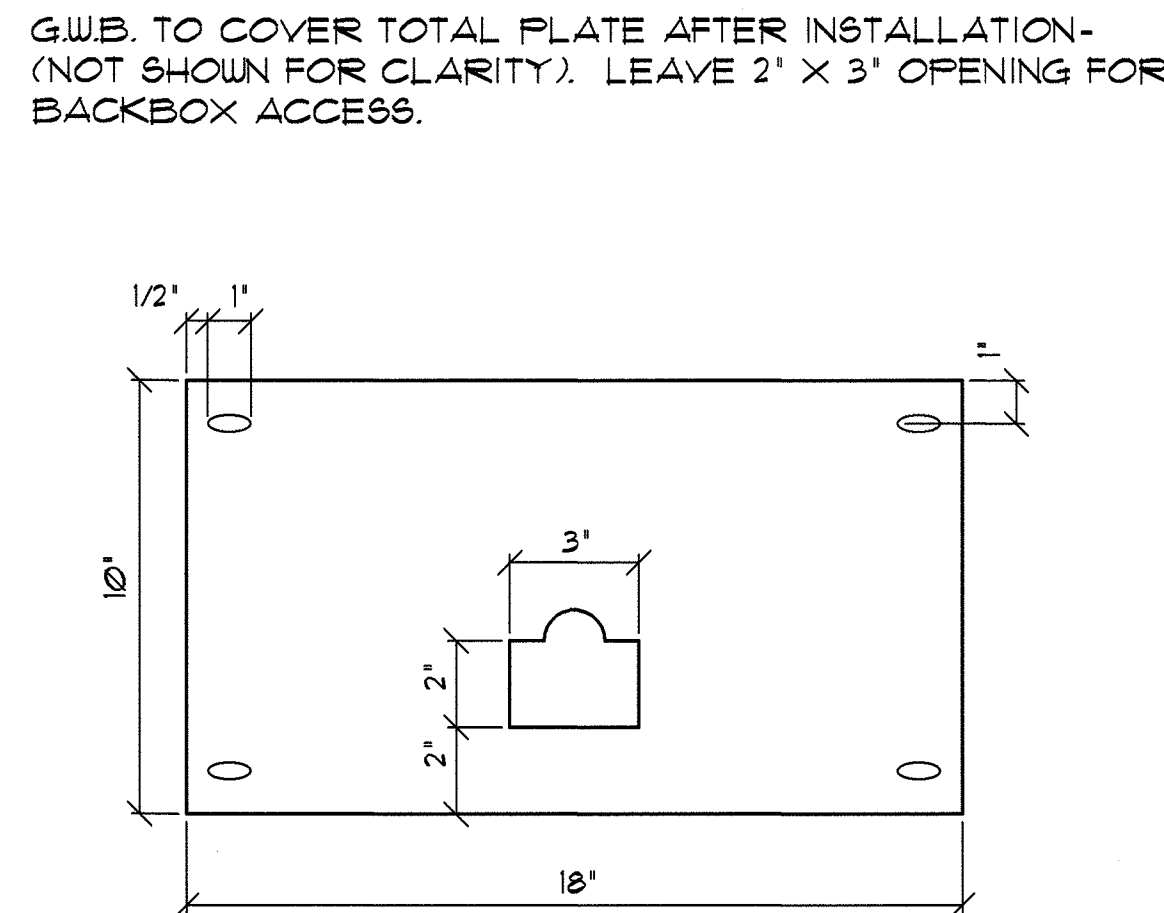


ALL FIRE/SMOKE BARRIERS TO EXTEND FROM FLOOR SLAB TO ROOF DECK AND EXTERIOR WALL TO EXTERIOR WALL INCLUDING SOFFIT CAVITY AND STUD CAVITY. NO SOFFIT VENTS.  
CONTRACTOR MAY SUBSTITUTE A DOUBLE PRE-FAB GABLE END TRUSS W/ 1/2" PLYWOOD SPACER ABOVE THE FINISHED CEILING. THICKNESS MUST BE AT LEAST 3 1/2". (SEE DETAIL # 2406)

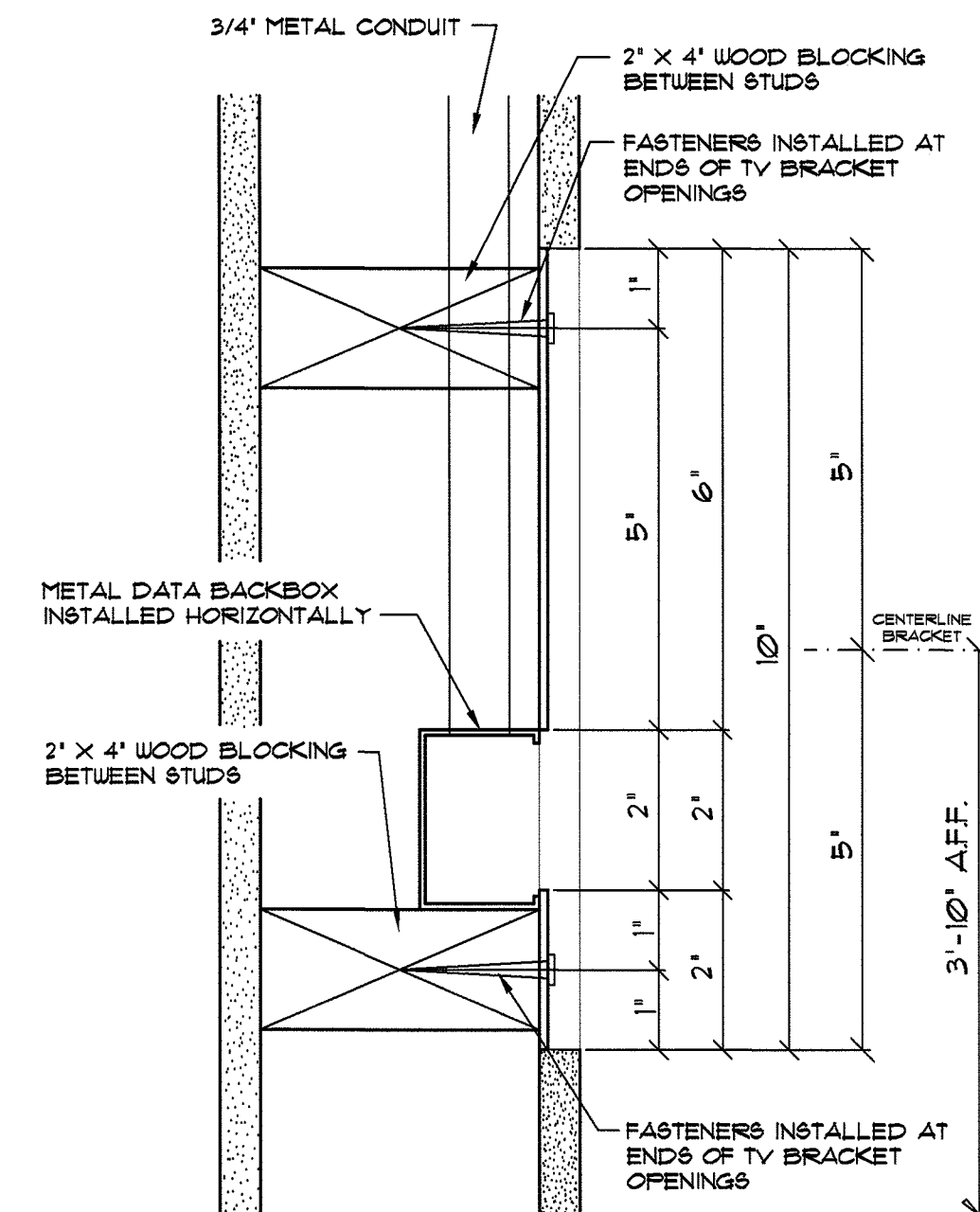
2407 **DETAIL** FIRE/SMOKE BARRIER AT EXTERIOR WALL  
SCALE: 1 1/2" = 1'-0"



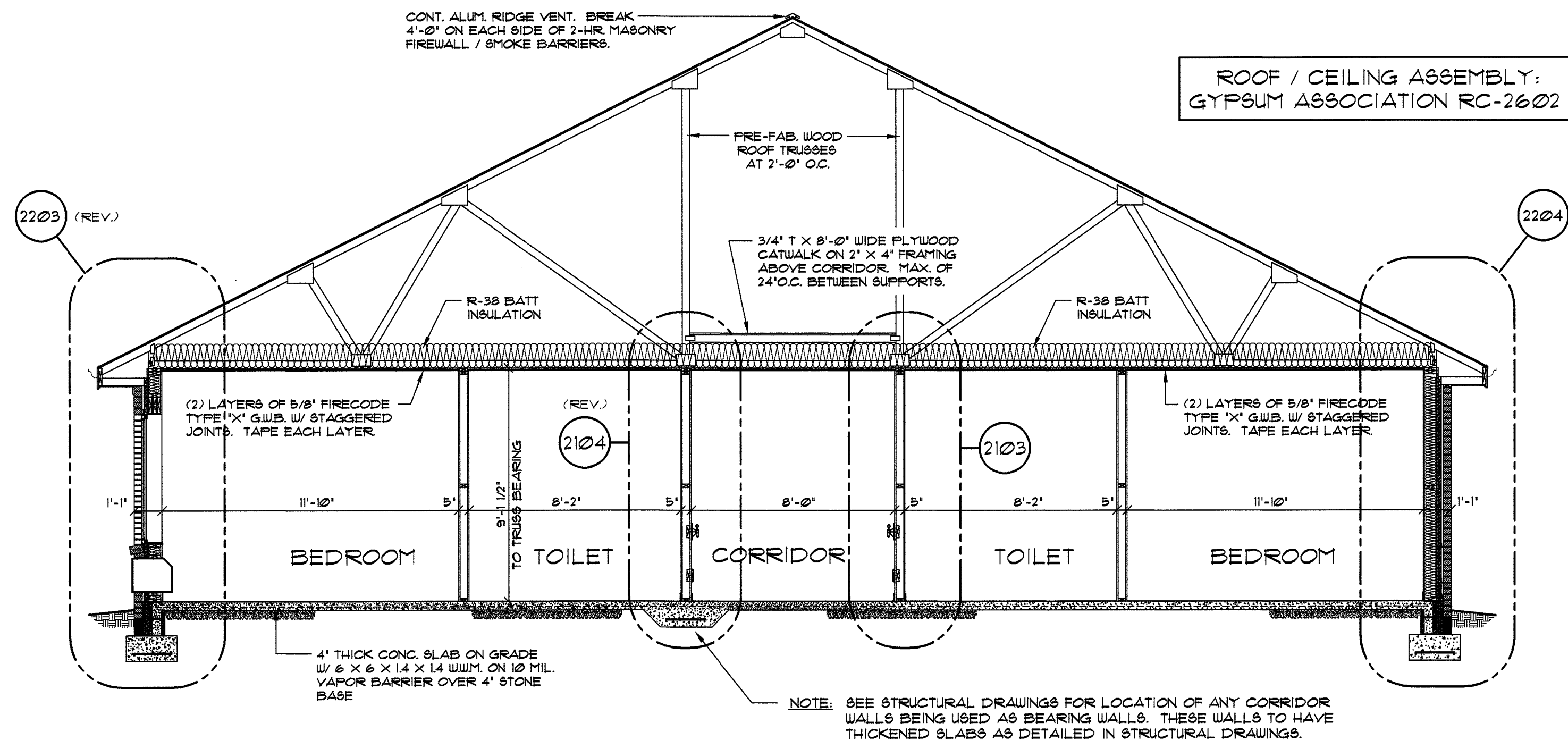
2408 **DETAIL** TYP. CEILING ELEC. BOX INSTALLATION  
SCALE: N.T.S.



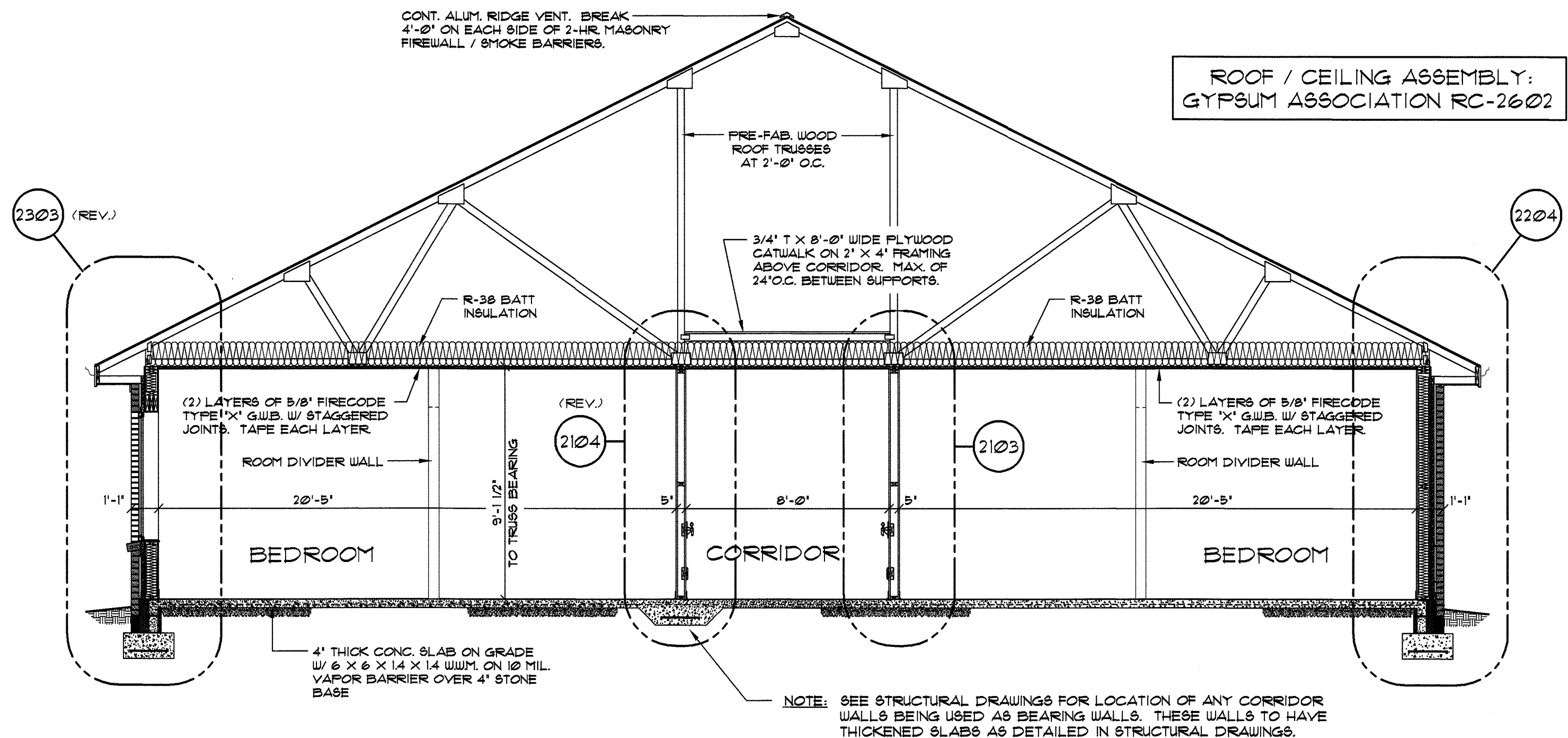
2409 **DETAIL** BEDROOM T.V. BRACKET  
SCALE: N.T.S.



2410 **SECTION** BEDROOM T.V. BRACKET BLOCKING REQUIREMENTS  
SCALE: N.T.S.



2411 **SECTION** TYPICAL CROSS-SECTION THROUGH BEDROOM WINGS "400" AND "500"  
SCALE: 1/4" = 1'-0"



2412 **SECTION** TYPICAL CROSS-SECTION THROUGH BEDROOM WINGS "600" AND "700"  
SCALE: 1/4" = 1'-0"

DAVID R. POLSTON  
REGISTERED ARCHITECT  
3275  
NORTH CAROLINA  
WILMINGTON, N.C.  
8-15-2025

PRUITTHEALTH  
TOWN CENTER  
Harrisburg, North Carolina

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

57 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

A  
24

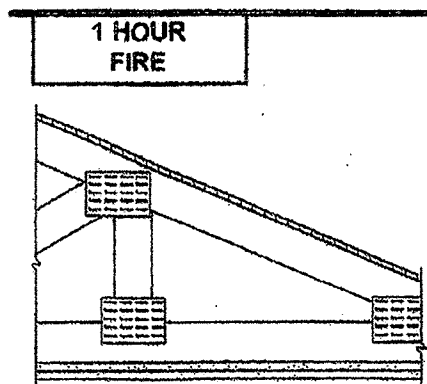


GA FILE NO. RC 2602

GENERIC

## WOOD TRUSSES, GYPSUM WALLBOARD

Base layer 1/2" Type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1 1/2" Type W or S drywall screws 24" o.c. Face layer 5/8" Type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1 1/2" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting 1/2" wood structural panels applied at right angles to trusses with 6d nails. Appropriate roof covering. Ceiling provides one hour fire resistance protection for trusses.



Approx. Ceiling  
Weight: 5 pcf  
Fire Test: FM FC 172, 2-28-72;  
ITS, 9-6-99

# 1

## DETAIL

SCALE: N.T.S.

GYPSUM ASSOCIATION  
RC-2602

BXUV.U356

Fire Resistance Ratings - ANSI/UL 263

Page Bottom

## Design/System/Construction/Assembly Usage Disclaimer

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

Fire Resistance Ratings - ANSI/UL 263

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

Design No. U356

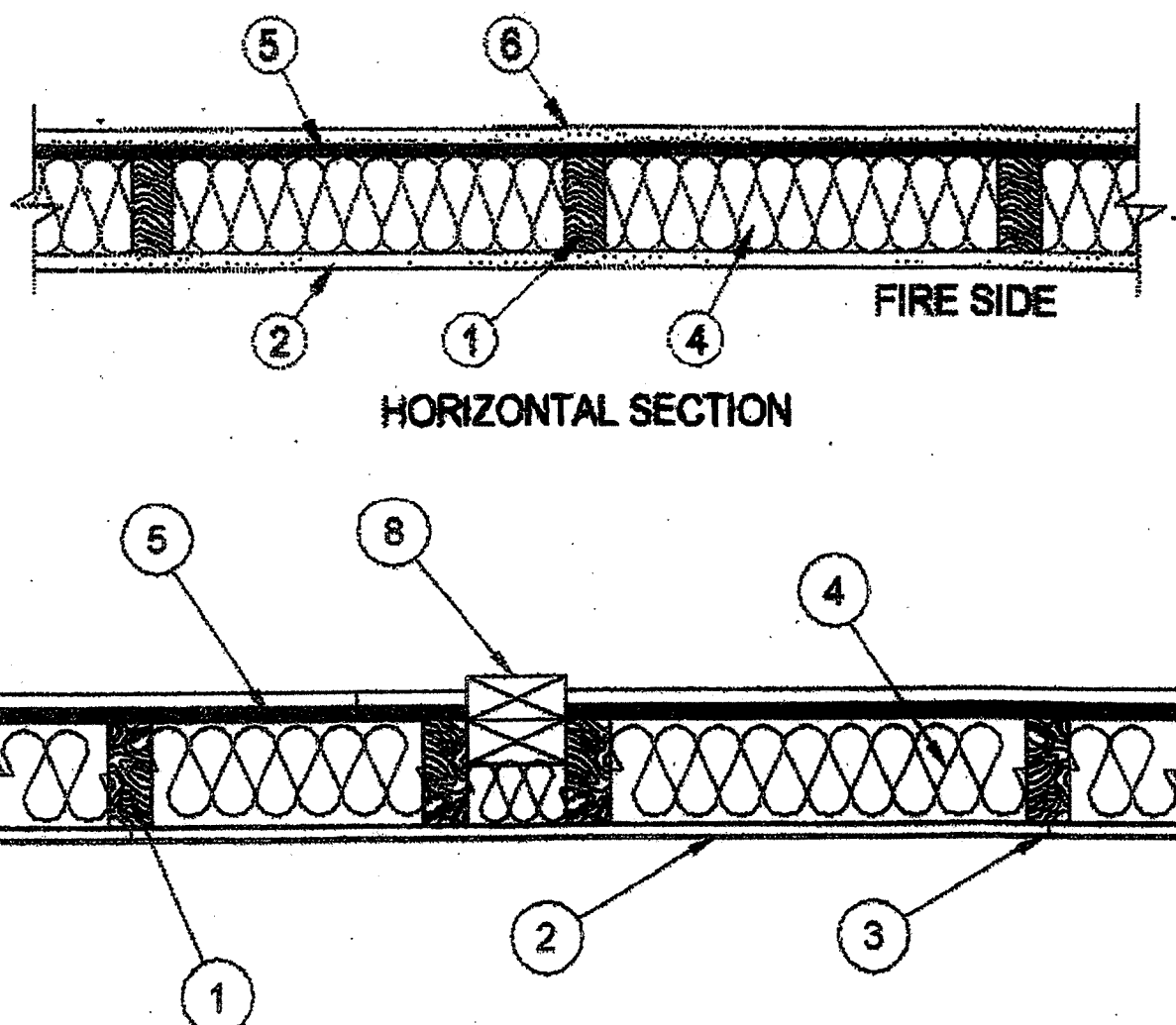
July 25, 2009

(Exposed to Fire on Interior Face Only)

Bearing Wall Rating - 1 Hr

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

Load Restricted for Canadian Applications - See Guide BXUVZ



# 2

## DETAIL

SCALE: N.T.S.

U.L. ASSEMBLY U-356

1. Wood Studs - Nom 2 by 4 in. spaced 16 in. OC with two 2 by 4 in. top and one 2 by 4 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5). When Mineral and Fiber Boards\* (Item 5A) are considered as bracing for the studs, the load is restricted to 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 (CKIX) Category for names of Classified Companies.

2A. Gypsum Board\* - (As an alternate to Item 2, not shown) - Any 5/8 in. thick 4 ft wide gypsum panels supplied by the Classified Companies listed below shown Gypsum Board\* (CKIX) category. Applied vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

## CANADIAN GYPSUM COMPANY

UNITED STATES GYPSUM CO

USG MEXICO S A DE 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

PARCO BUILDING PRODUCTS L L C, DBA

PARCO 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 Densifying 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.

PARCO BUILDING PRODUCTS L L C, DBA

PARCO 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 cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min R-13 thermal insulation rating).

See 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/ft<sup>3</sup>. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft<sup>3</sup>.

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

4B. Fiber, Sprayed\* - As an alternate to Item 4 and 4A - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft<sup>3</sup>.

NU-WOOL CO INC - Cellulose Insulation

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

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

TEMPLE-INLAND FOREST PRODUCTS CORP - Types FiberBrace or QuietBrace

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

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

See Molded Plastic (BTAT) category in the Building Materials Directory for names of manufacturers.

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

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

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

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

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

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

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

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

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

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

PAC INTERNATIONAL INC - Type RSIC-1.

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

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

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

KINETICS NOISE CONTROL INC - Type Isomax.

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

\*Bearing the UL Classification Mark

Last Updated on 2009-07-25

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 specific 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

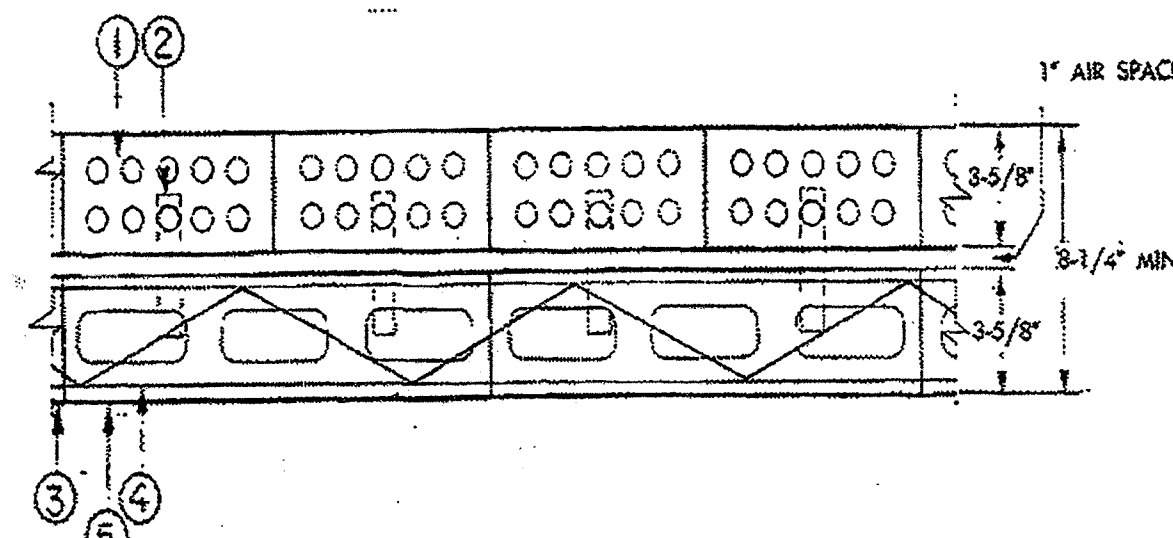
See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U902

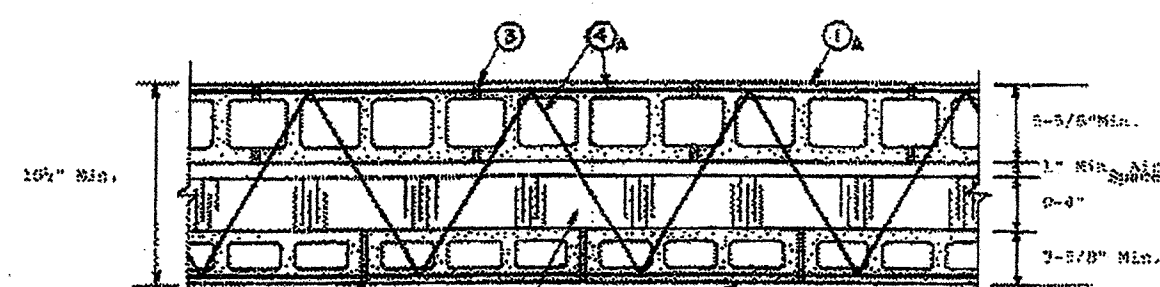
October 30, 2009

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 or 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

OWENS CORNING SPECIALTY &amp; FOAM

PRODUCTS - Type L50 or L50.

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

THE DOW CHEMICAL CO - Type Thermax

NCF POLYURETHANES

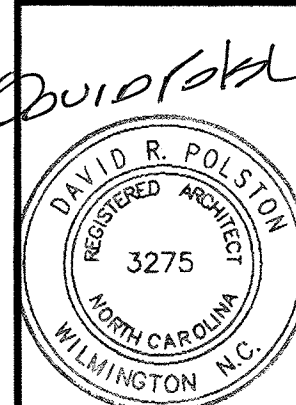
\*Bearing the UL Classification Mark

Last Updated on 2009-10-30

# 2A

## DETAIL

SCALE: N.T.S.

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

**PRUITTHEALTH**  
TOWN CENTER  
Harrisburg, North Carolina

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

57 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**FS**  
1



8XUV.U305  
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 or 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. U305

December 23, 2008

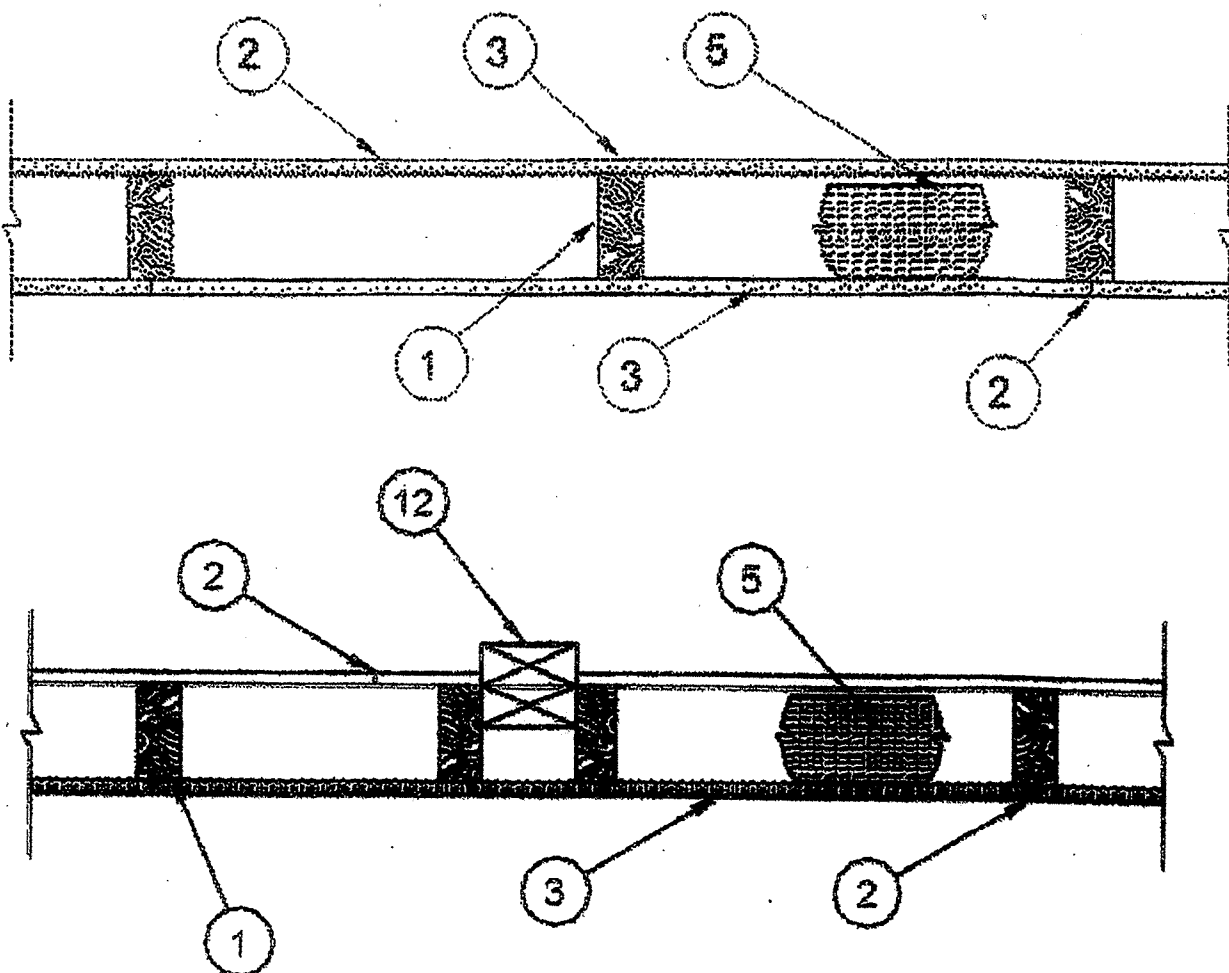
Bearing Wall Rating - 1 HR.

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

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

STC Rating - 56 (See Item 9)

Load Restricted for Canadian Applications - See Guide 8XUVZ



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

2. Joints and Nail-Heads - Exposed or covered with fiber tape and joint compound, except where required for specific edge configuration. For tapered, round-edge gypsum board, joints covered with joint compound or fiber tape and joint compound. As an alternate, non 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 (¾ 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, ProRoc Type C or ProRoc Type X (finish rating 26 min), Type SGR2 (finish rating 23 min)

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

CANADIAN GYPSUM COMPANY - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FCV (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRX (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 LGFC6 (finish rating 26 min), Type LGFC-C (finish rating 20 min), Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A.

NATIONAL GYPSUM CO - Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-6 (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSKR-C, Type FSW-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 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 WRX (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type FCV (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (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 1-3/4 in.

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

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

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

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

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

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

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

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

3F. Gypsum Board\* - (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) - 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally. Joints and nail heads treated as described in Item 2.

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

3G. Gypsum Board\* - (As an alternate to Items 3, 3A, 3B, 3C, 3D, 3E and 3F) - 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 2 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 bld using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. Bolts and Blankets\* - (Optional - Required 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 Bolts and Blankets (Item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft<sup>3</sup>. 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 5.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft<sup>3</sup>.

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 Bolts and Blankets (Item 5) and Item 5A - Spray applied cellulose insulation material. The fiber is applied with water to interior surface in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.5 pounds per cubic ft.

NU-WOOL CO INC - Cellulose Insulation

5C. Bolts 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 Bolts and Blankets (BKNV or B212) Categories for names of Classified companies.

5E. Bolts and Blankets\* - (Required for use with Wall and Partition Facings and Accessories, Item 3D) - Glass fiber insulation, Nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Bolts 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. Bolts 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 1-hr rating.

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

PLITEQ INC - Type Genie Clip

7. Furring Channel - Optional - Not Shown - For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Item 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. 3/16 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 8, 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 - Bolts and Blankets\* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.

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

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

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

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

QUIET SOLUTION INC - Type QuietRock QR-510.

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

NATIONAL GYPSUM CO - Type PermaBase

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

\*Bearing the UL Classification Mark

Last Updated on 2008-12-23

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

PRUITTHEALTH  
TOWN CENTER  
Harrisburg, North Carolina

57 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

FS  
2



**BXUV.U901**  
**Fire Resistance Ratings - ANSI/UL 263**

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

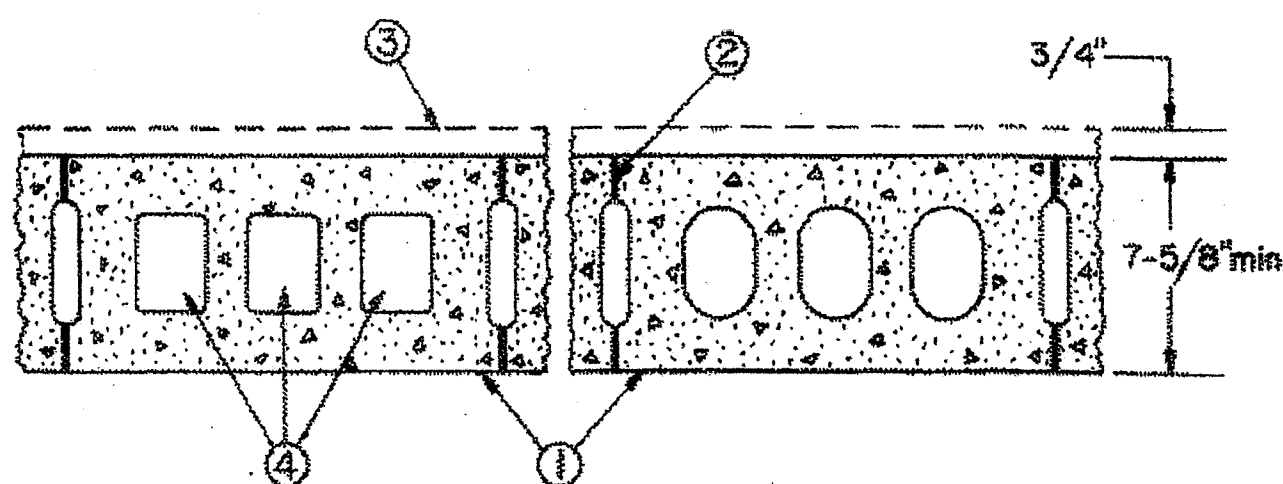
See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U901

October 26, 1998

Bearing Wall Rating — 4 HR.

Nonbearing Wall Rating — 4 HR.



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

See Concrete Blocks category for lists of eligible manufacturers.

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than

3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

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

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

\*Bearing the UL Classification Mark

**BXUV.N502**  
**Fire Resistance Ratings - ANSI/UL 263**

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

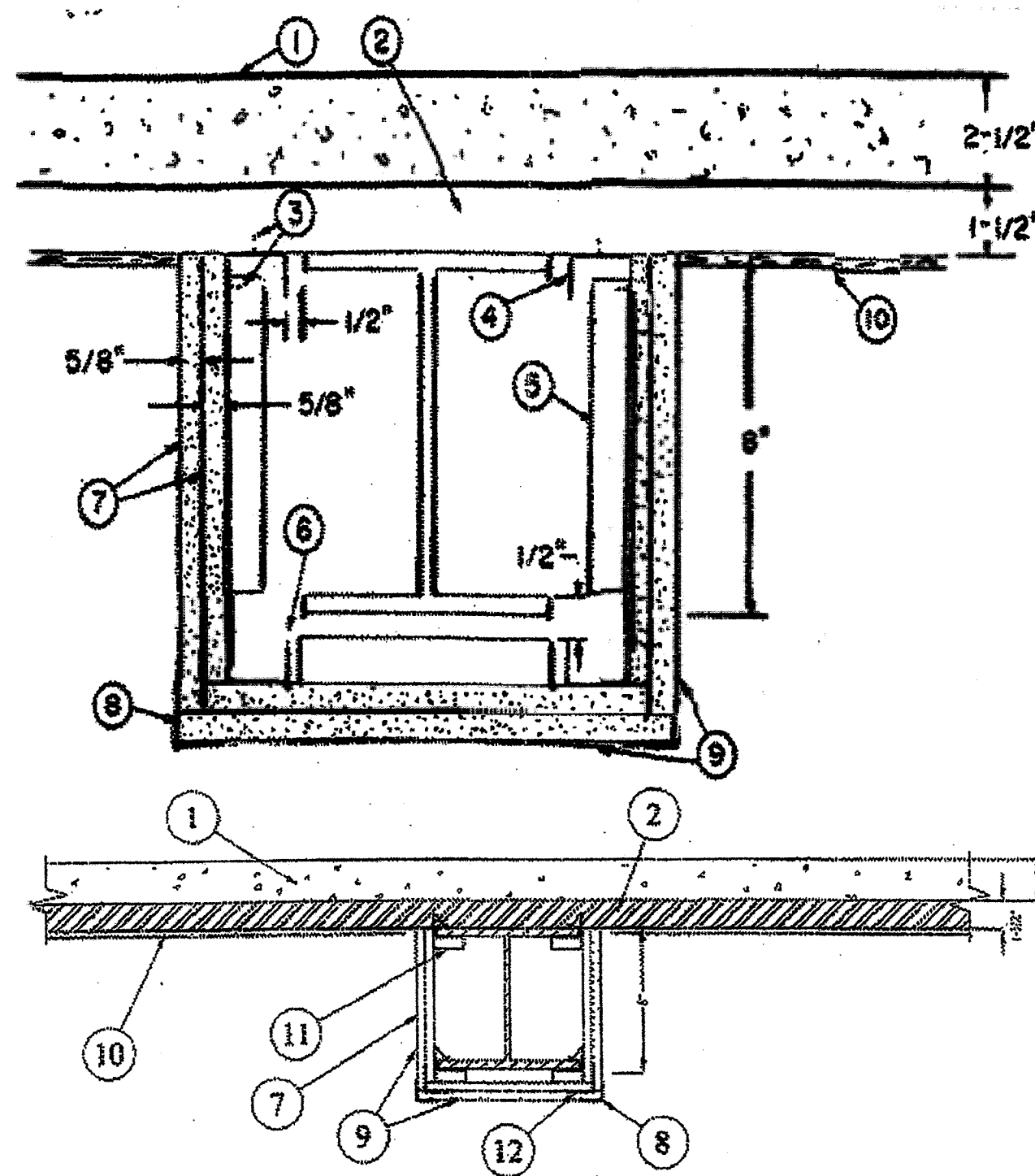
Design No. N502

February 19, 2009

Restrained Beam Rating — 2 Hr.

Unrestrained Beam Rating — 2 Hr.

Load Restricted for Canadian Applications — See Guide BXUV7



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

1. Normal Weight Concrete — 145 pcf.

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

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

4. Runner Channel — Fabricated from 25 MSG galv steel, 1-11/16 in. deep with 1-in. legs. Fastened to

steel deck with Item 3, 12 in. OC.

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

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

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

AMERICAN GYPSUM CO — Types AGX-1, AG-C, AGX-11.

CERTAINTED GYPSUM INC — Types 1, FRPC, SFS, EGRG, ProRoc Type C, ProRoc Type X.

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

BEIJING NEW BUILDING MATERIALS PUBLIC

LTD CO — Type DBX-1.

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

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 9, C, DAP, DD, DA, DAPC, DGS, DSS, GPF51, GPF56.

LAFARGE NORTH AMERICA INC — Types LGFC3, LGFC6, LGFCA, LGFC-C, LGFC-C/A.

PABCO BUILDING PRODUCTS L L C, DBA

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

PANEL REY SA — Type PRC

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

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

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

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

8. Corner Bead — Fabricated from 20 MSG galv steel to form an angle with 1-1/4 in. legs. Legs perforated with 1/4 in. diam holes approx 1 in. OC. Attached to wallboard with special crimping tool approx 6 in. OC. As an alternate, the bead may be nailed to the wallboard.

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

reinforced.

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

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

11. Alternate Construction — Steel Framing Members\* — As an alternate to Items 3, 4, 5 and 6, steel clips attached to both sides of beam flanges 2 R OC and at ends of beam. First layer of gypsum board fastened to steel clips with 1-1/4 in. long Type S drywall screws. 2 in. by 2 in. 25 MSG angle fastened to clips on bottom portion of assembly with 2 in. long Type S drywall screws. Second layer of gypsum board fastened to angle and clips with 2 in. long Type S drywall screws spaced 2 R OC. Screws are self-drilling and self-tapping Phillips head made of case-hardened steel.

JOHN WAGNER ASSOCIATES INC, DBA

GRABBER — Type CBClip.

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

\*Bearing the UL Classification Mark

**BXUV.X528**  
**Fire Resistance Ratings - ANSI/UL 263**

Page Bottom

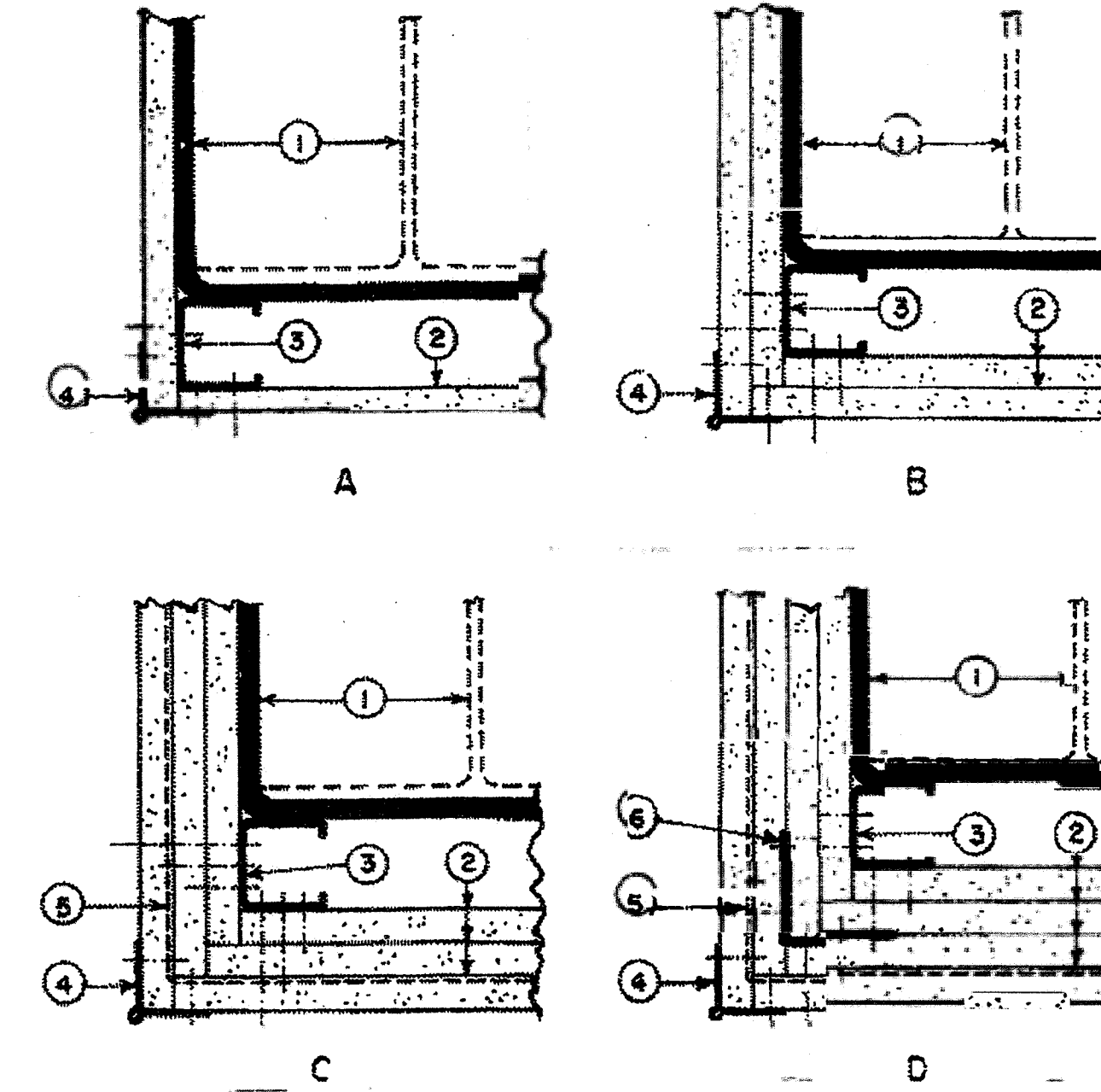
**Fire Resistance Ratings - ANSI/UL 263**

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

Design No. X528

July 10, 2008

Rating — 1, 2 and 3 Hr.



**CORNER DETAILS OF WALLBOARD  
SUPPORT SYSTEMS WITHOUT STEEL COVERS**

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

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

W Shaped Column Min Column Size	Rating (Hr)			Corner Details for Various Rating		
	1	2	3	1 Hr	2 Hr	3 Hr
Total thickness (in.)						
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
Tube Shaped columns						
TS 4 by 4						
by 0.188	1	1-3/4	2-5/8	B	C	D
TS 8 by 8						
by 0.250	5/8	1-1/2	2-1/4	A	C	D

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

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

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

CANADIAN GYPSUM COMPANY — Type IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Type IP-X3 or ULTRACODE

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

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

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

JOHN WAGNER ASSOCIATES INC, DBA

GRABBER — Types CB, CB1Clips.

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

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

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

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

\*Bearing the UL Classification Mark

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

PRUITTHEALTH  
TOWN CENTER  
Harrisburg, North Carolina

BT NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

FS  
3



# System No. W-L-1001

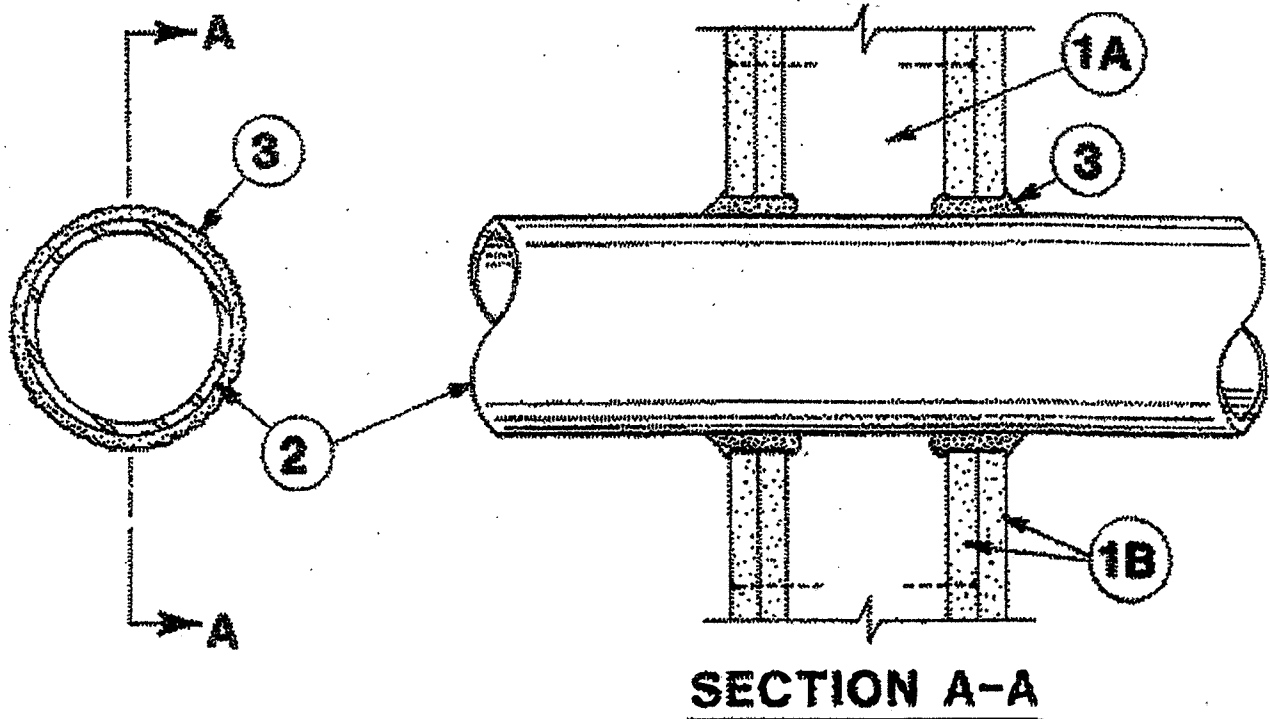
June 15, 2005

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

OMEGA FLEX INC

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

GASTITE, DIV OF TITTEFLUX

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

WARD MFG L L C

3. **Fill, Void or Cavity Materials\*** — **Caulk or Sealant** — Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is 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+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

\*Bearing the UL Classification Mark

# System No. W-L-5001

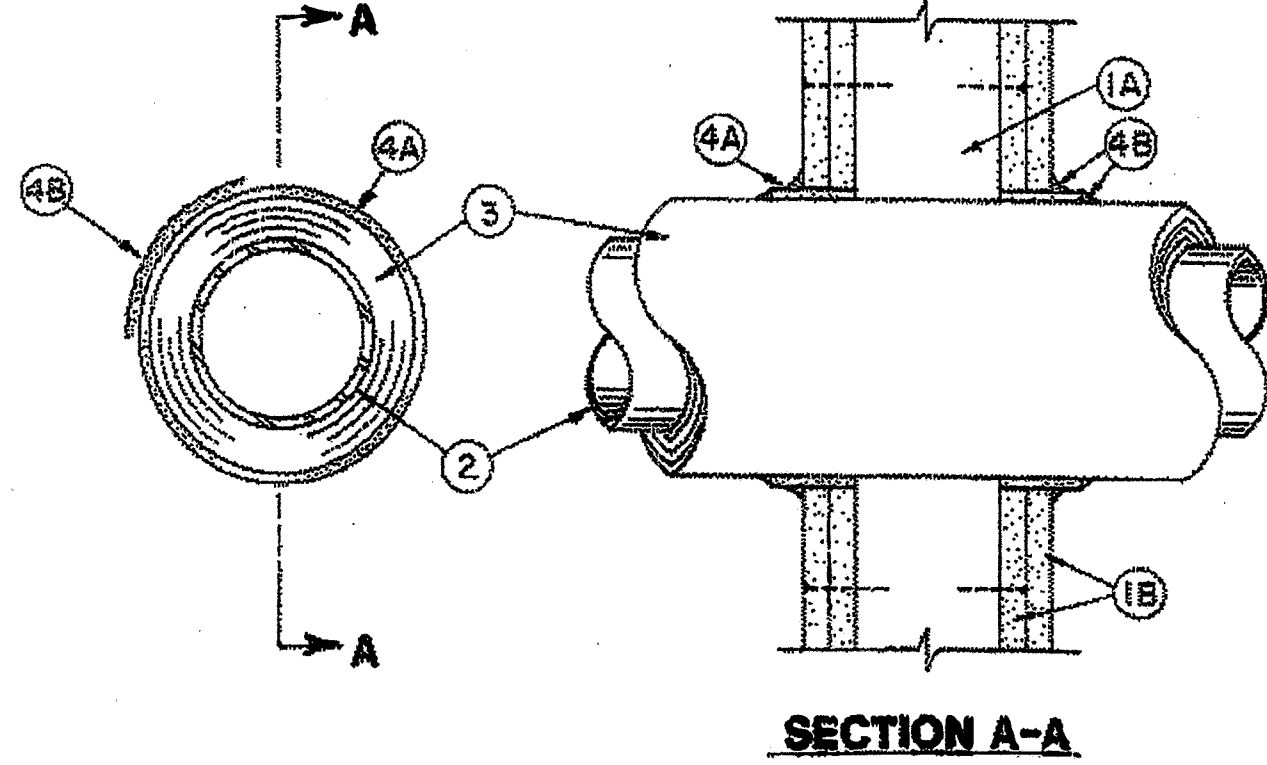
May 19, 2005

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 lip 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 F 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 (roll 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

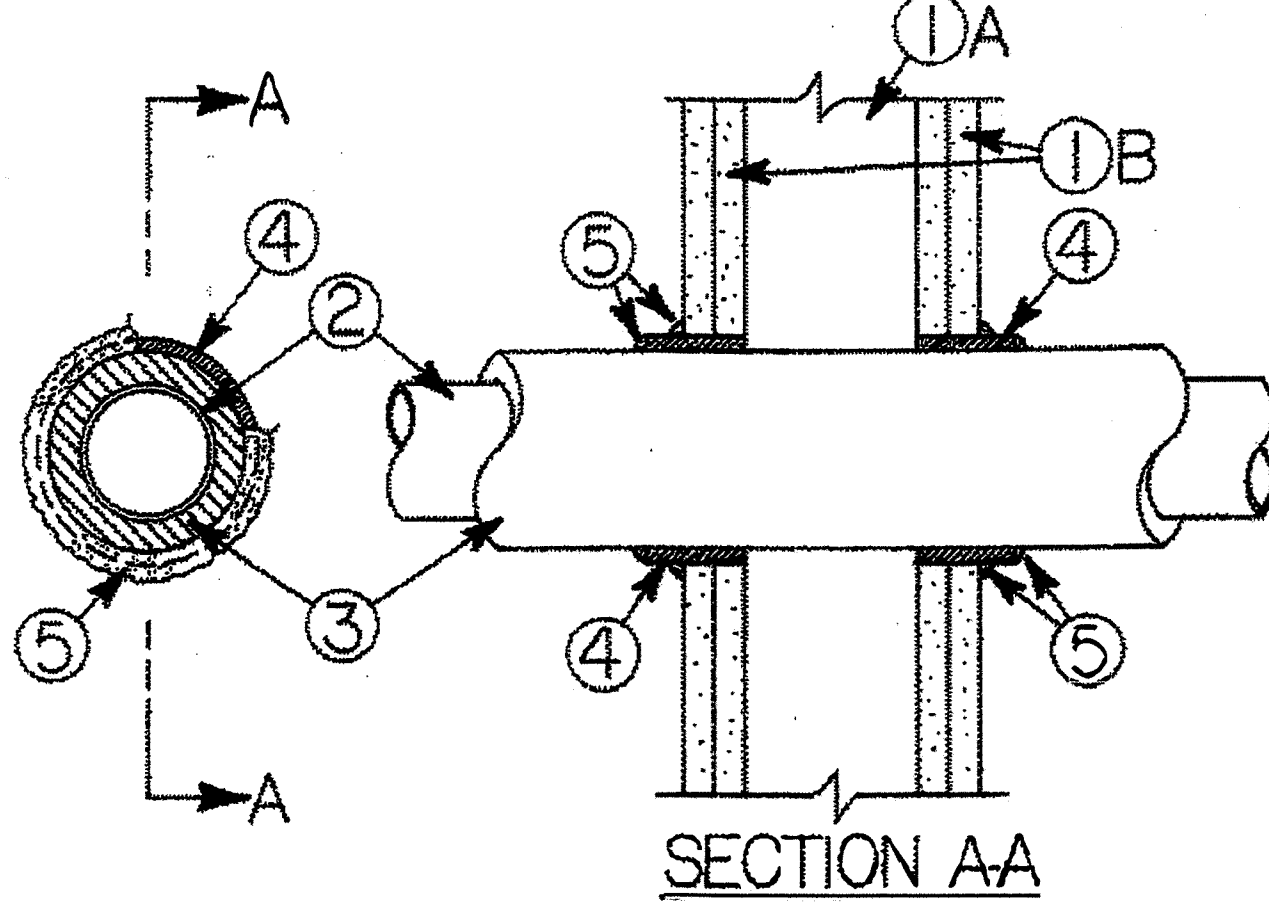
May 19, 2005

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 slit. Pipe insulation to be sized to outside diam of copper pipe.

See **Plastics** (QMF22) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component pipe insulation material meeting the above specifications and having a UL94 Flammability Classification of 94-SVA 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 (roll 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

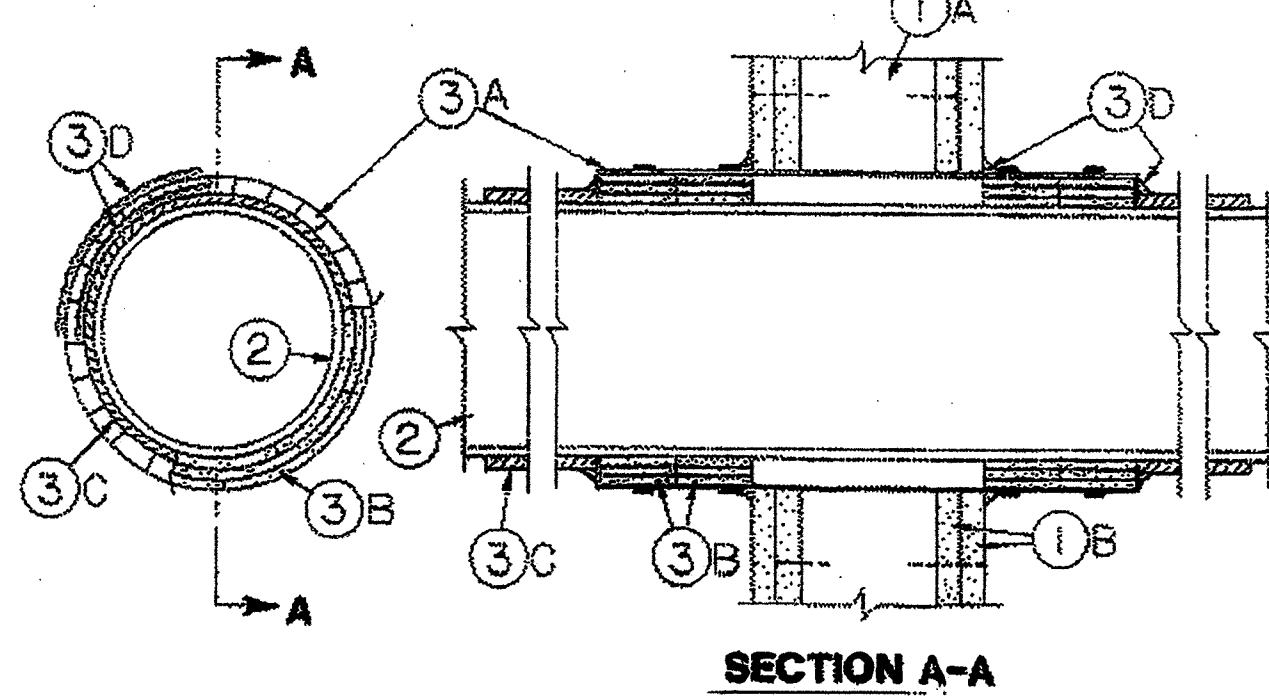
April 11, 2005

F Ratings — 1 and 2 Hr

T Ratings — 0, 3/4, 1, 1-1/2 and 2 Hr

L Rating At Ambient — 7 CFM/sq ft

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



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

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

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

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

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

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

The details of the firestop system shall be as follows.

A. **Steel Sleeve** — Cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) thick (28 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam. Length of steel sleeve shall be equal to thickness of wall plus 9-1/2 in. (241 mm), 10 in. (254 mm) or 11 in. (279 mm) for the 6, 8 and 10 in. (152, 203 and 254 mm) diam pipe sizes, respectively. Inside diam of steel sleeve and diam of through opening in the gypsum wallboard layers to be equal to outside diam of wrap strip (Item 5) layers on pipe. Cylindrical sleeve inserted in annular space around nonmetallic pipe and centered in wall. After installation of wrap strip (Item 5) 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 stacks) 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

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

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

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

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



# System No. W-L-2003

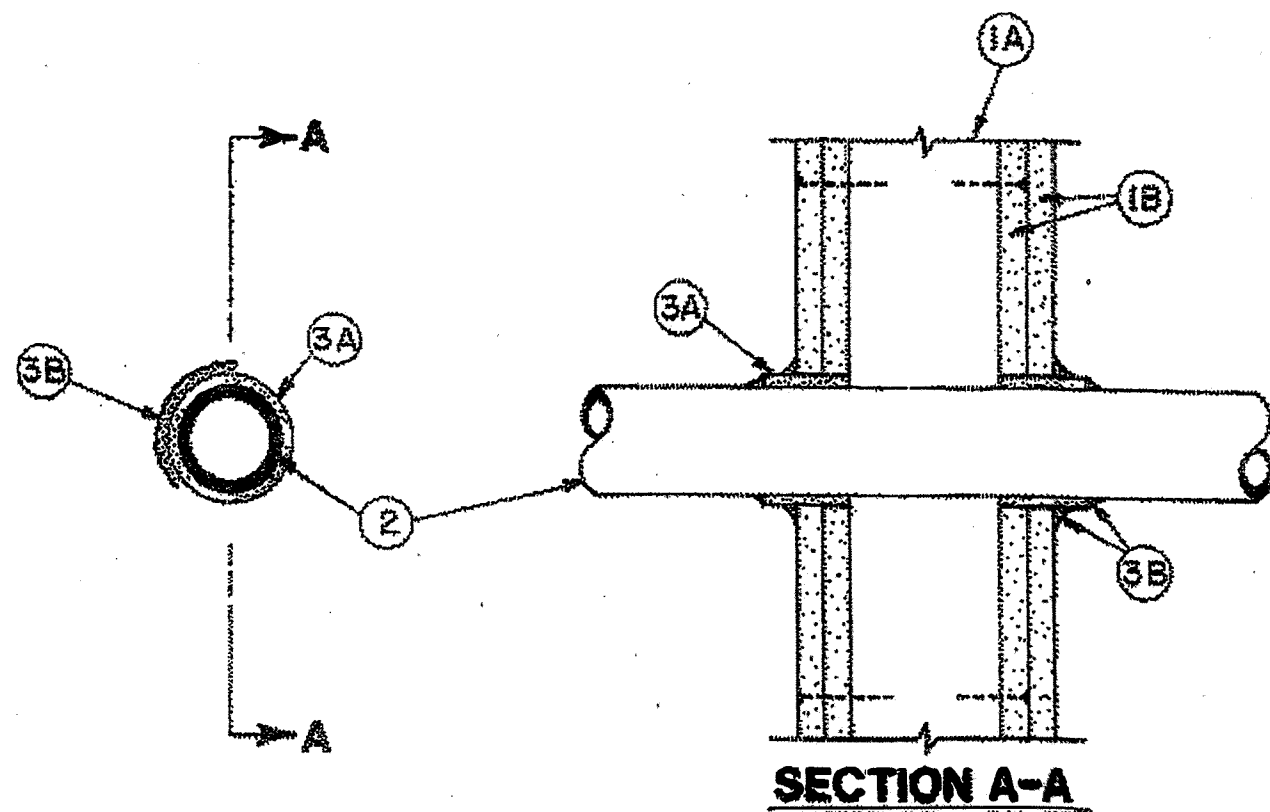
May 23, 2005

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

**B. Gypsum Board\*** — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/8 in. (79 mm).

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

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

**B. Rigid Nonmetallic Conduit\*\*** — Nom 2 in. (51 mm) diam (or smaller) (Schedule 40 or 80) PVC conduit installed in accordance with the National Electric Code (NEC 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

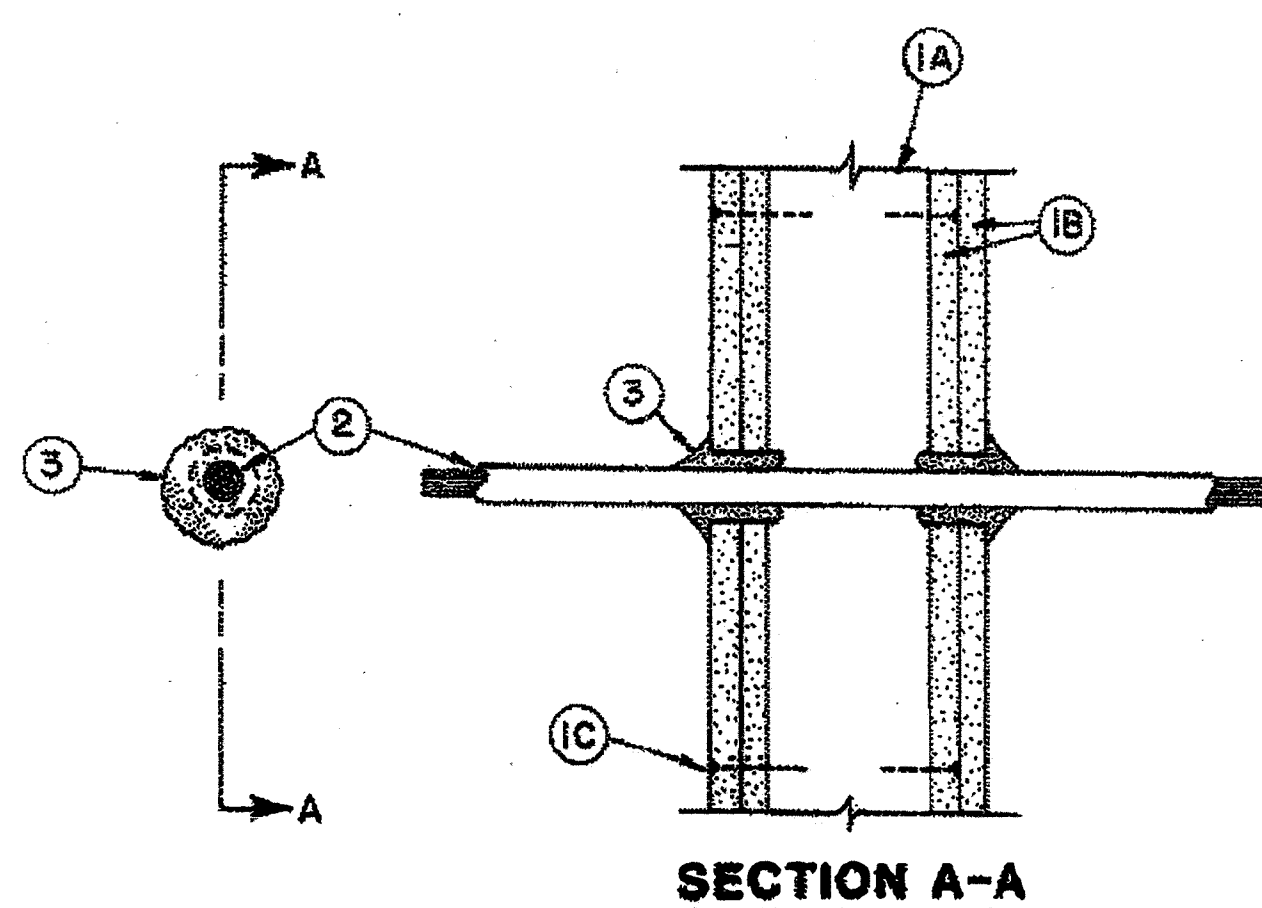
(Formerly System No. 149)

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. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.

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

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

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

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

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

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

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

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

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

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

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

\*Bearing the UL Classification Mark

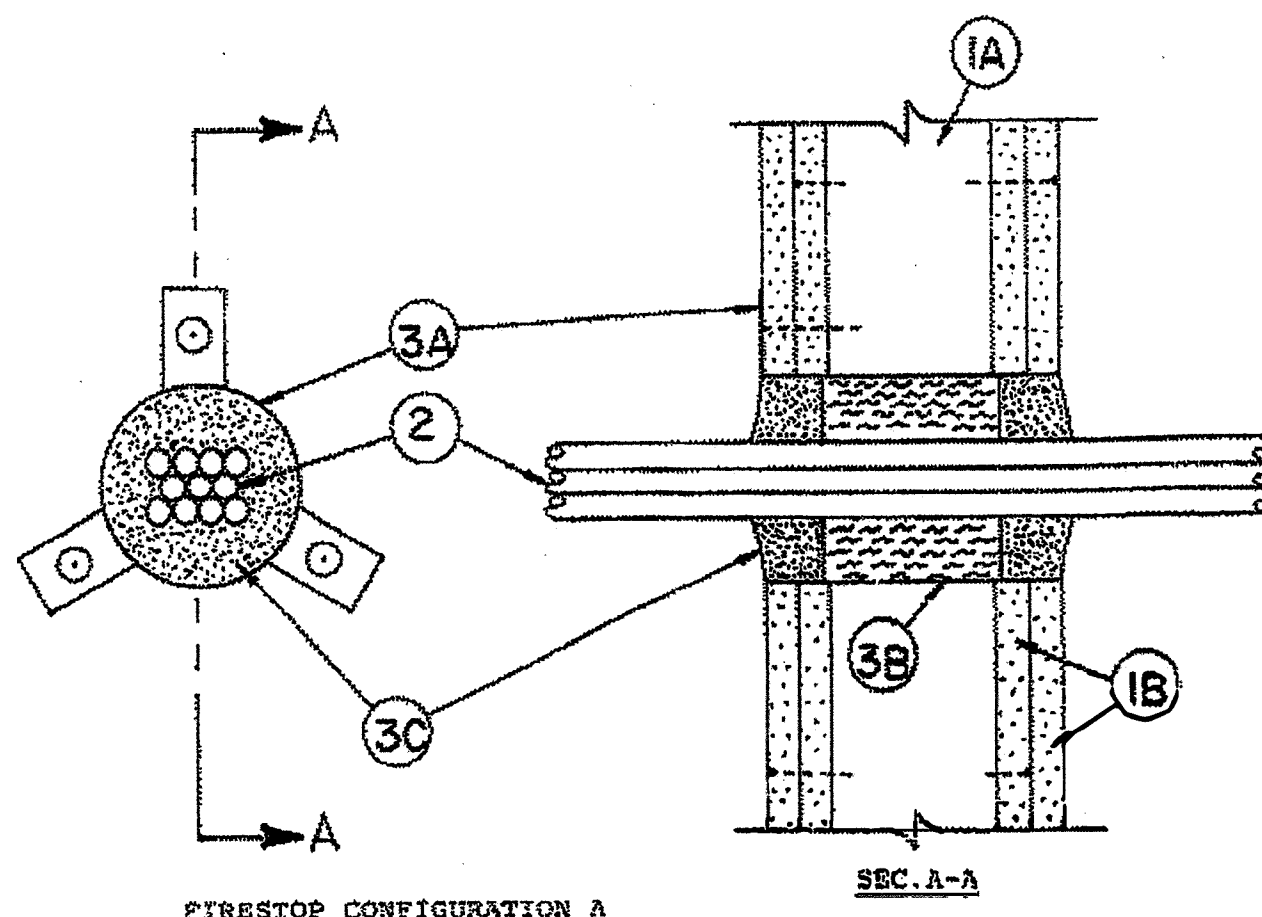
# System No. W-L-3005

June 23, 2000

(Formerly System No. 235)

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1/2 Hr



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

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

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

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

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

**A. Max 50 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride (PVC) insulation and jacket materials.**

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

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

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

by 1 in. long mounting flanges and secured to gypsum wallboard with 2 in. long Type 5 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

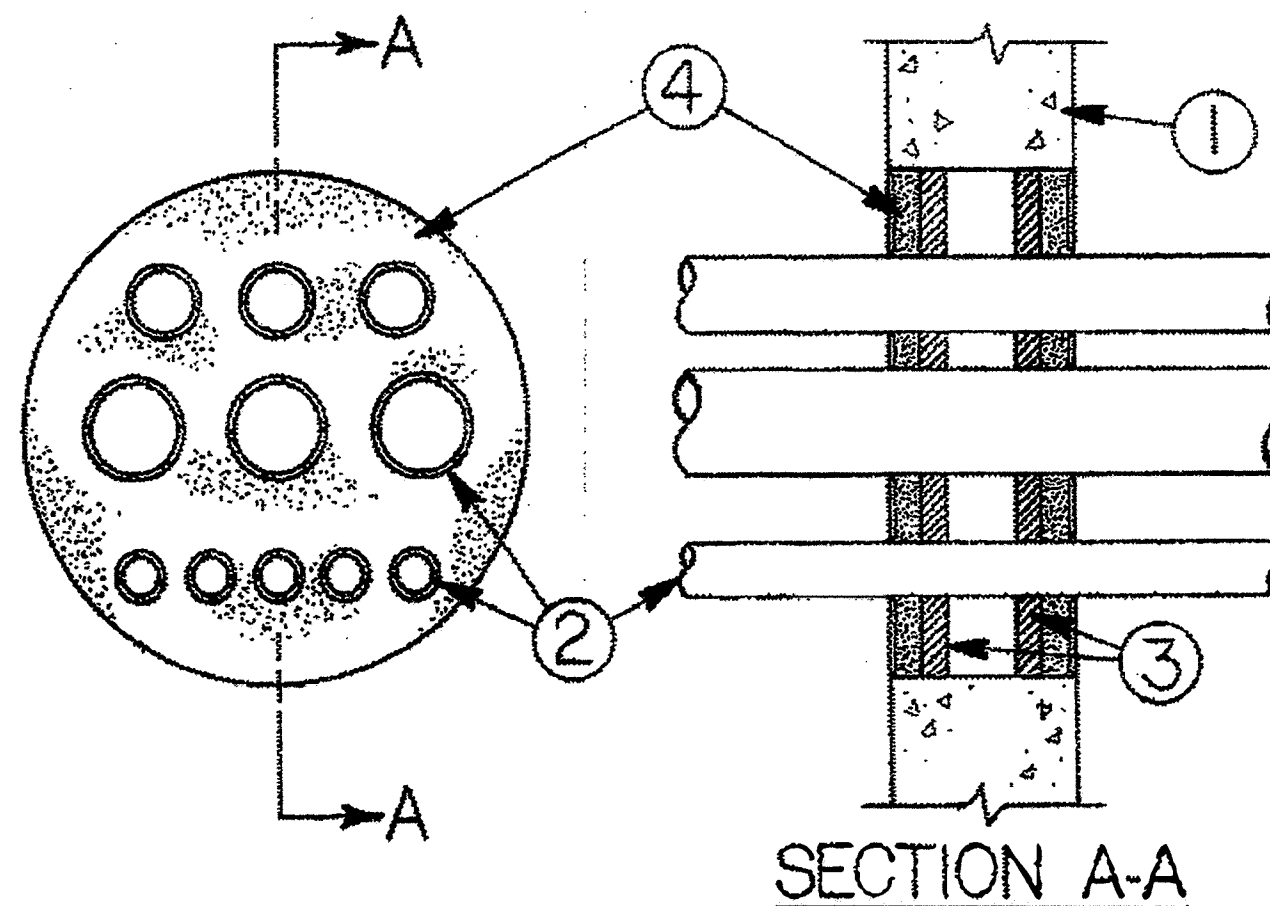
June 15, 2005

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 1500-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Block\*. Max diam of opening is 12 in. (305 mm).

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

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

Max Pipe or Conduit Diam In.	T Rating Hr
3 (76)	1
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



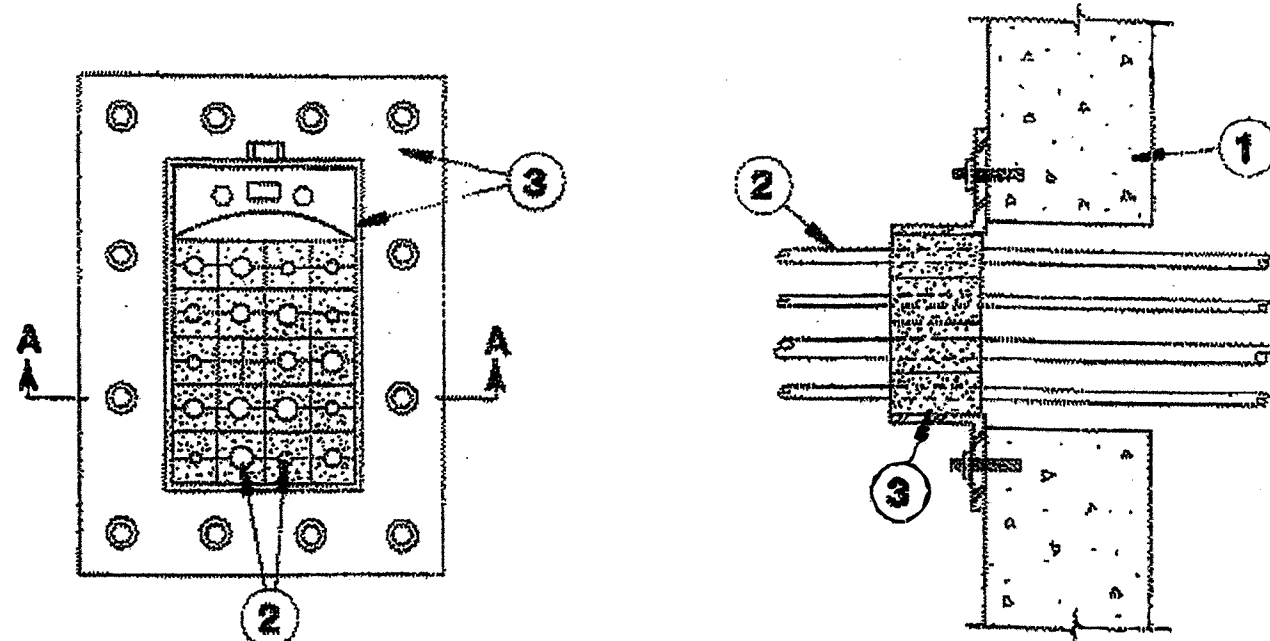
# System No. W-J-1016

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 5/8 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:

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

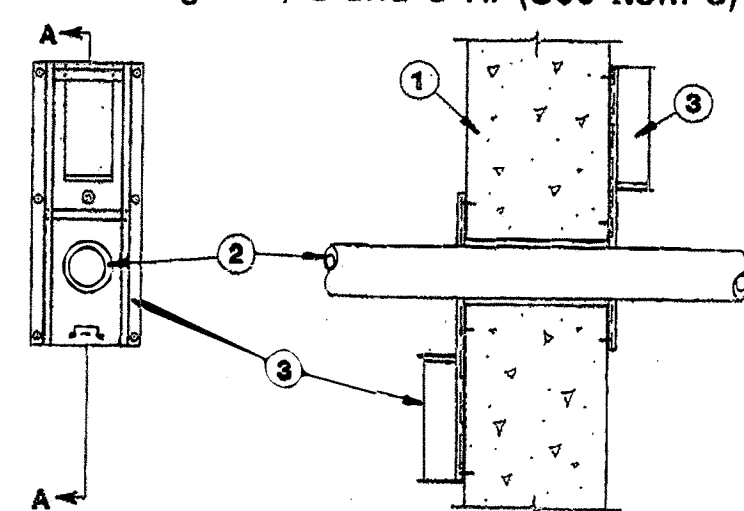
EGS NELSON FIRESTOP — Types RGB-2, RGB-4, RGB-4x2, RGB-6

# System No. WJ2009

(Formerly System No. 527)

F Ratings—1, 2 and 3 Hr (See Item 3)

T Ratings—1, 2 and 3 Hr (See Item 3)



WALL ASSEMBLY

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

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

A. **Polyvinyl Chloride (PVC) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. **Polyethylene (PE) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 PE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

D. **Polypropylene (PP) Pipe**—Nom 6 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. Pipe to be rigidly supported on both sides of wall assembly.

3. **Firestop Device**—Devices consist of rectangular metal frame with a spring-loaded guillotine blade mechanism installed around outer circumference of opening. Devices to be mounted to each surface of wall assembly using 1-5/8 in. long steel masonry anchors in accordance with accompanying installation instructions. The hourly F and T ratings of the devices are dependent upon the type, size and schedule of the penetrating item, as shown in the following table:

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

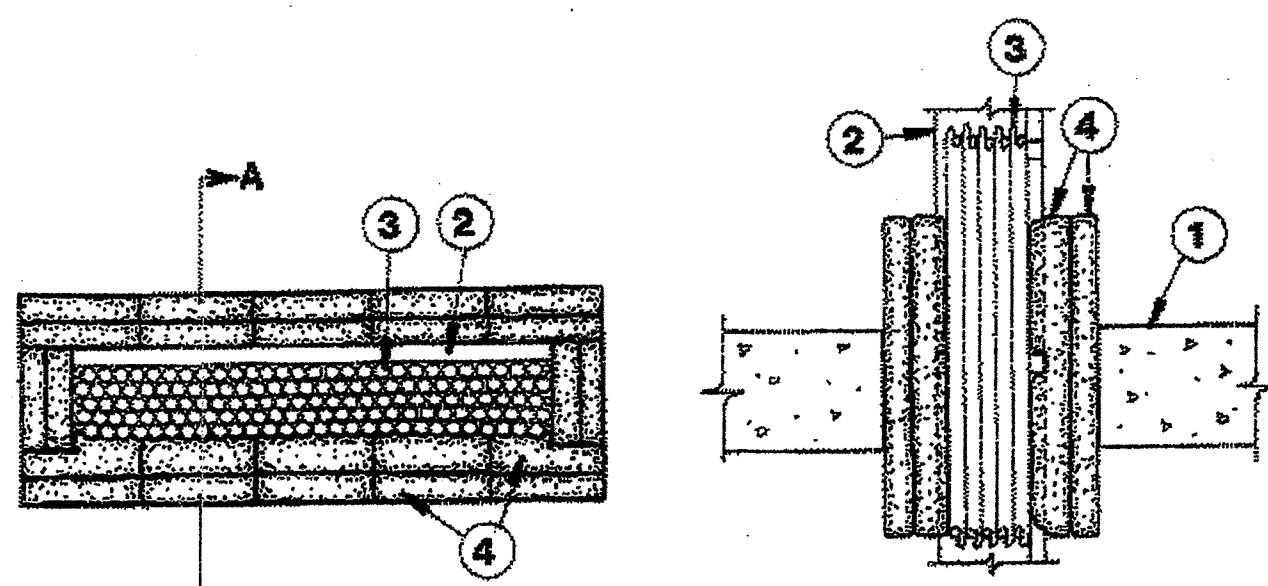
\*Bearing the UL Classification Marking

# 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.

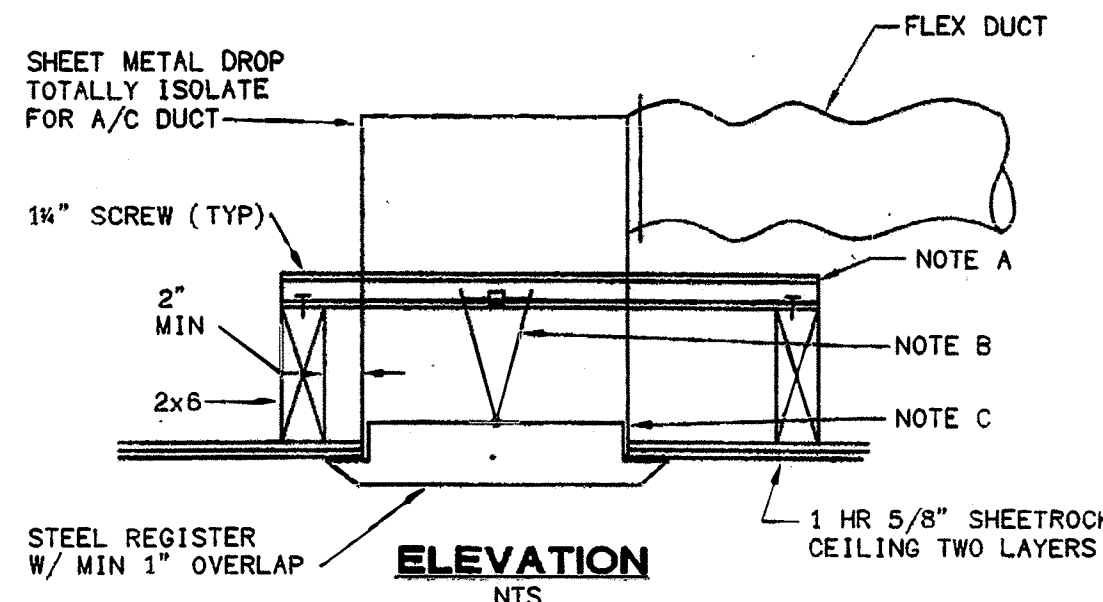
B. Max 7/C No. 12 AWG copper conductor control cables with polyvinyl chloride (PVC) insulation and jacket materials.

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

4. **Fill, Void or Cavity Materials** — Cushions — Nominal 3.3 in. long by 4-3/2 or 7-1/2 in. wide by 1 in. thick, fabric covered intumescent cushions. Cushions installed flat with nominal 1.3 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

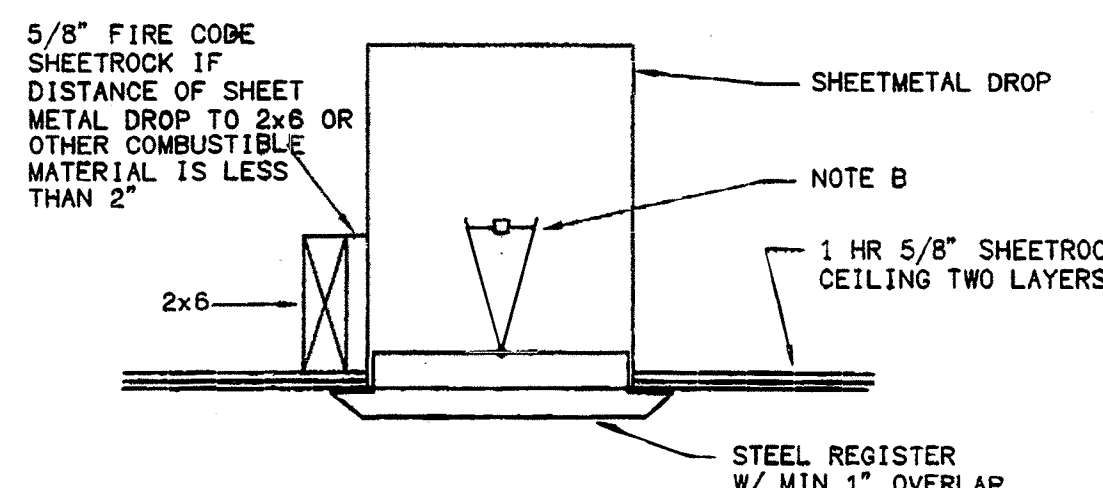
NTS

NOTES:

A. SUPPORT EACH SIDE WITH 16 GA. x 16x16 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 MFG'S INSTRUCTIONS FULLY INSTALLING BOTH RADIATION DAMPER & REGISTER.



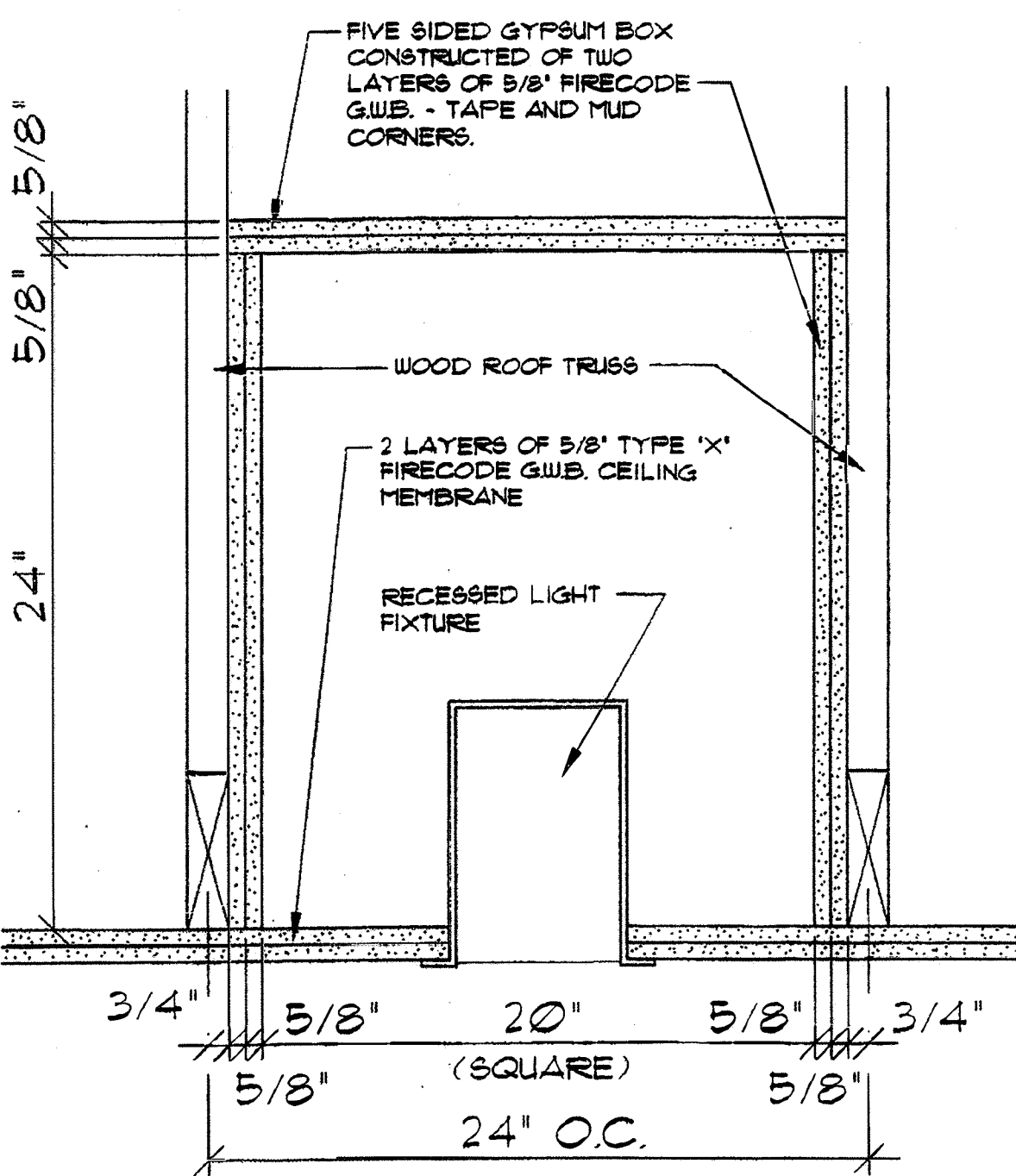
BOX NEXT TO 2x6 JOIST

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 CP.V.C. PIPE THROUGH 4-HR. RATED ASSEMBLY

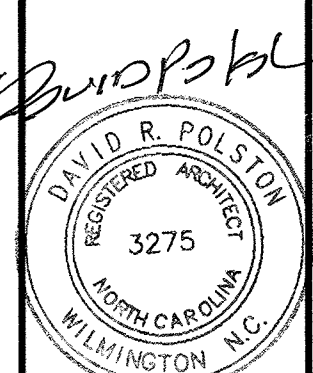
SCALE: N.T.S.

## 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.



8-25-2025

**PRUITTHEALTH TOWN CENTER**  
Harrisburg, North Carolina

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

51 NEW PRIVATE BEDROOMS PLUS  
2 NEW RENOVATED BEDROOMS

**FS 6**