

Same as previously reviewed/approved plan.

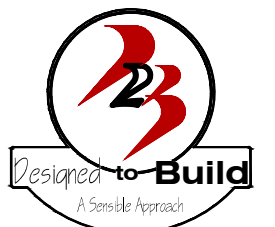
188, 200, 220 Gallery Dr

**A1** FRONT UNIT – 3 BEDROOM – 2 BATH FLOOR PLAN  
 SCALE: N.T.S. SECOND FLOOR TYPE "B" UNIT SHOWN

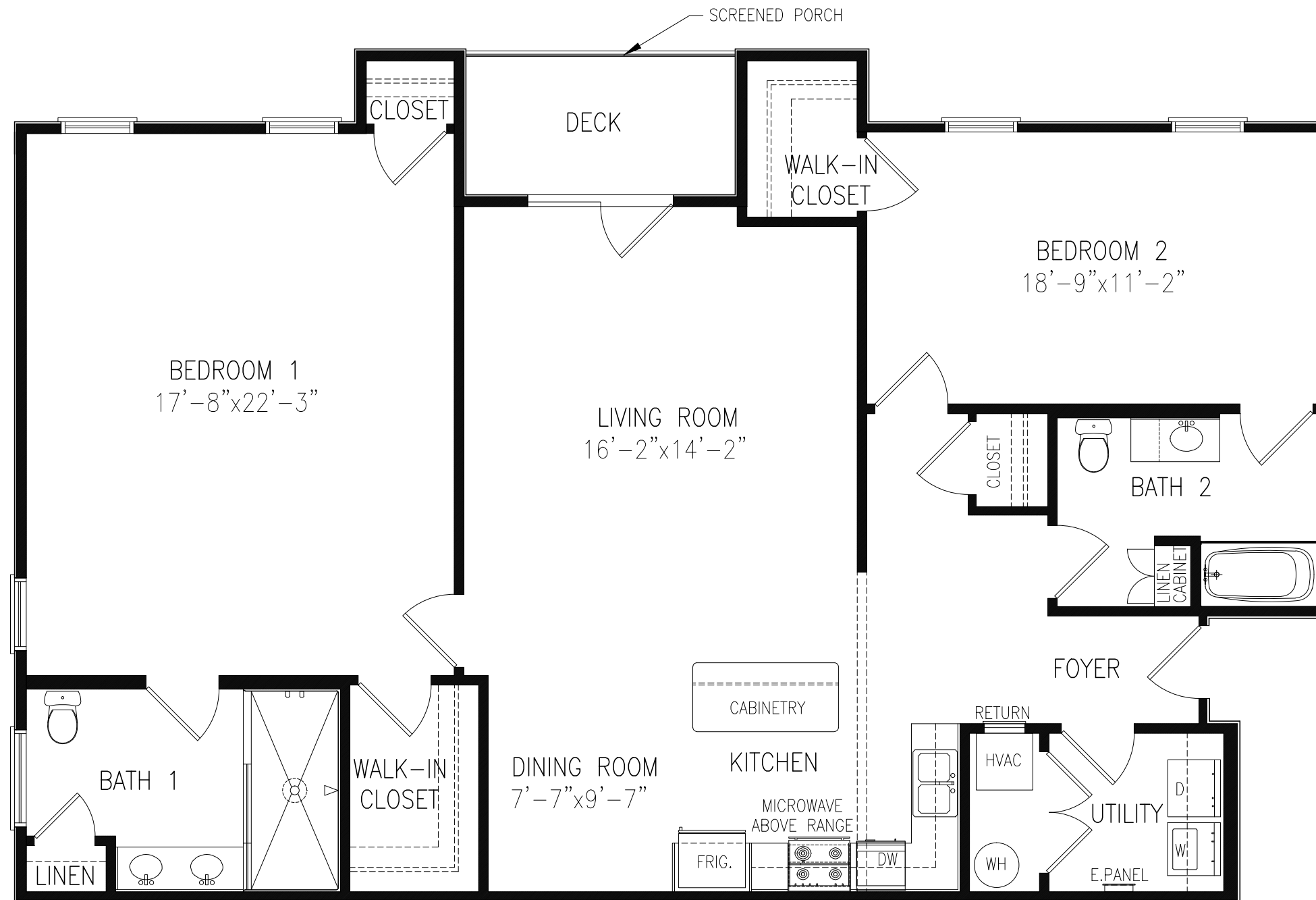
FRONT UNIT – TOTAL: 1,698 SQ.FT. – HEATED: 1,639 SQ.FT.

FAIRWAY POINTE AT ANDERSON CREEK CLUB  
 THREE STORY – 10 UNIT APARTMENTS – TYPICAL FLOOR PLAN

DESIGNED TO BUILD, ANDREW W. PRIVETTE, AIA, 1920 FT. BRAGG ROAD, FAYETTEVILLE, NC 28303, PHONE (910) 485-8567



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A1

REAR UNIT – 2 BEDROOM – 2 BATH FLOOR PLAN

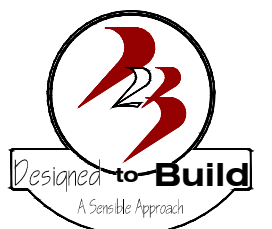
SCALE: N.T.S.

SECOND FLOOR TYPE "B" UNIT SHOWN

REAR UNIT TOTAL: 1,746 SQ.FT. – HEATED: 1,679 SQ.FT.

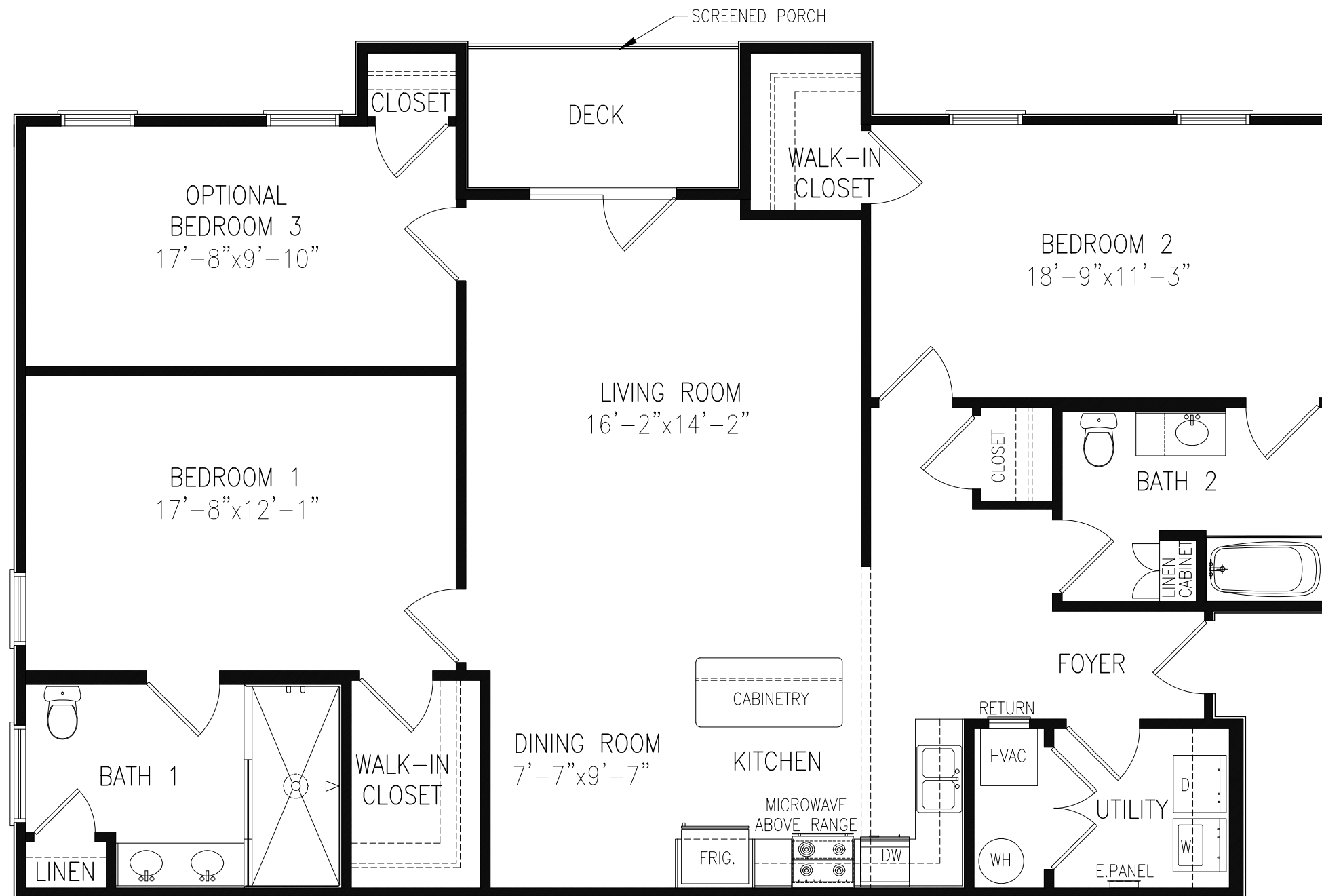
FAIRWAY POINTE AT ANDERSON CREEK CLUB  
THREE STORY – 10 UNIT APARTMENTS – TYPICAL FLOOR PLAN

DESIGNED TO BUILD, ANDREW W. PRIVETTE, AIA, 1920 FT. BRAGG ROAD, FAYETTEVILLE, NC 28303, PHONE (910) 485-8567



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REAR UNIT TOTAL: 1,746 SQ.FT. – HEATED: 1,679 SQ.FT.

**A1** REAR UNIT – 3 BEDROOM – 2 BATH FLOOR PLAN  
 SCALE: N.T.S. SECOND FLOOR TYPE "B" UNIT SHOWN

FAIRWAY POINTE AT ANDERSON CREEK CLUB  
 THREE STORY – 10 UNIT APARTMENTS – TYPICAL FLOOR PLAN

DESIGNED TO BUILD, ANDREW W. PRIVETTE, AIA, 1920 FT. BRAGG ROAD, FAYETTEVILLE, NC 28303, PHONE (910) 485-8567



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# APPENDIX B 2018 NC BUILDING CODE SUMMARY

NAME OF PROJECT: FAIRWAY POINT APARTMENTS - 3 STORY BUILDING - 10 UNITS  
ADDRESS: ANDERSON CREEK CLUB - FAIRWAY POINT DRIVE, NORTH CAROLINA 28390  
OWNER/AUTHORIZED AGENT: BRYAN BENNETT - PHONE NUMBER 910-243-1243 - EMAIL: BRYANBENNETT@HUFFFAMILYOFFICE.COM  
OWNED BY:  CITY/COUNTY  PRIVATE  STATE  
CODE ENFORCEMENT JURISDICTION:  CITY OF  COUNTY OF HARNETT  STATE

CONTACT: ANDREW W. PRIVETTE  
DESIGNER: FIRM NAME LICENSE PHONE E-MAIL  
ARCHITECTURAL: DESIGNED TO BUILD ANDREW W. PRIVETTE 3877 910-485-8567 AND@DESIGNEDTOBUILD.COM  
CIVIL: BY OWNER UNDER SEPARATE COVER  
ELECTRICAL: COASTAL PLAINS ENGR. CHRISTOPHER LOCKLEAR 20193 910-521-7213 COASTALPLAINS@RSHAL.COM  
FIRE ALARM: COASTAL PLAINS ENGR. CHRISTOPHER LOCKLEAR 20193 910-521-7213 COASTALPLAINS@RSHAL.COM  
PLUMBING: COASTAL PLAINS ENGR. CHRISTOPHER LOCKLEAR 20193 910-521-7213 COASTALPLAINS@RSHAL.COM  
MECHANICAL: COASTAL PLAINS ENGR. CHRISTOPHER LOCKLEAR 20193 910-521-7213 COASTALPLAINS@RSHAL.COM  
SPRINKLER-STANDPIPE: BY OWNER UNDER SEPARATE COVER  
STRUCTURAL: KIRK M. EDMONDS, PE 12047 843-437-7151 EDMONDS.PE@SHAL.COM  
RETAINING WALLS > 5' HIGH  
OTHER: (TRUSS, PRECAST, PRE-ENGINEERED, INTERIOR DESIGN, ETC.)

2018 NC BUILDING CODE:  NEW BUILDING  SHELL/CORE  IST TIME INTERIOR COMPLETION  
 ADDITION  PHASED CONSTRUCTION-SHELL CORE  
2018 EXISTING BUILDING CODE:  PRESERVATIVE  ALTERATION LEVEL II  HISTORIC PROPERTY  
 REPAIR  ALTERATION LEVEL III  CHANGE OF USE  
 CHAPTER 14  ALTERATION LEVEL III  
CONSTRUCTED (DATE): CURRENT USE(S) (ICH 3):  
RENOVATED (DATE): PROPOSED USE(S) (ICH 3):

BUILDING DATA  
CONSTRUCTION TYPE:  I-A  I-B  II-A  II-B  III-A  III-B  IV  V-A  V-B  
SPRINKLERS:  NO  PARTIAL  NFPA 13  NFPA 13R  NFPA 13D  
STANDPIPES:  CLASS I  CLASS II  WET  DRY  
PRIMARY FIRE DISTRICT:  NO  YES FLOOD HAZARD AREA:  NO  YES  
SPECIAL INSPECTIONS REQUIRED:  NO  YES FIRE FLOW: 1500 GPM 2 HR  
GROSS BUILDING AREA TABLE  
FLOOR EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL  
3RD FLOOR 7,486 7,486 7,486  
2ND FLOOR 7,486 7,486 7,486  
MEZZANINE  
1ST FLOOR 5,591 5,591 5,591  
BASEMENT  
TOTAL 20,559 20,559 20,559

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  I-2  I-3  
I-1 CONDITION:  I-1 AMBULATORY  I-2 NONAMBULATORY  
I-2 CONDITION:  1  2  
I-3 CONDITION:  1  2  3  4  5  
I-4 CONDITION  
MERCANTILE  
RESIDENTIAL:  R-1  R-2  R-3  
STORAGE:  S-1 MODERATE  S-2 LOW  HIGH-FILLED  R-4  
UTILITY AND MISCELLANEOUS:  U-1  U-2  
ACCESSORY OCCUPANCY CLASSIFICATION(S) N/A  
INCIDENTAL USES (TABLE 509) N/A  
SPECIAL USES (ICH 4):  402  403  404  405  406  407  408  409  410  
 411  412  413  414  415  416  417  419  419  420  
 421  422  423  424  425  426  427  428  429  430  
SPECIAL PROVISIONS (CHS):  S10.2  S10.3  S10.4  S10.5  S10.6  S10.7  S10.8  S10.9  
MIXED OCCUPANCY:  NO  YES SEPARATION:  EXCEPTION  
 NON-SEPARATED USE (S10.3)  
 SEPARATED USE (S10.4) - SEE BELOW FOR AREA CALCULATIONS FOR EACH STORY. THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.  
ACTUAL AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B ≤ 1  
ALLOWABLE AREA OF OCCUPANCY A + ALLOWABLE AREA OF OCCUPANCY B ≤ 1.00

STORY NO. DESCRIPTION AND USE (A) (B) (C) (D)  
FIRST R-2 APARTMENT 5,591 7,000 5,250 12,250  
SECOND R-2 APARTMENT 7,486 7,000 5,250 12,250  
THIRD R-2 APARTMENT 7,486 7,000 5,250 12,250  
FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THIS:  
A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = ALL (F)  
B. TOTAL BUILDING PERIMETER = ALL (F)  
C. RATIO (F/F) = 1.0 (F/F)  
D. MINIMUM WIDTH OF PUBLIC WAY = 30 (F)  
E. PERCENT OF FRONTAGE INCREASE = 1.00 (F/F - 0.25) + W/30 = 75 (%)  
UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507  
MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORES IN THE BUILDING x D (MAXIMUM 3 STORES) SECTION 506.2  
THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.3.4. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 425.3.1  
FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2

ALLOWABLE HEIGHT  
BUILDING HEIGHT IN FEET 60 38'-0"  
BUILDING HEIGHT IN STORIES 3 3

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING (REQUIRED)	RATING (PROVIDED)	DETAIL NO. AND SHEET NO.	DESIGN NO. FOR RATED ASSEMBLY	SHEET NO. FOR RATED PENETRATION	SHEET NO. FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, RISERS AND TRUSSES BEARING WALLS, EXTERIOR	0	0	0				
NORTH	>50	0	0				
EAST	>50	0	0				
WEST	>50	0	0				
SOUTH	>50	0	0				
NONBEARING WALLS, EXTERIOR	N/A	N/A	N/A				
NORTH	N/A	N/A	N/A				
EAST	N/A	N/A	N/A				
WEST	N/A	N/A	N/A				
SOUTH	N/A	N/A	N/A				
BEARING WALLS, INTERIOR	0	0	0				
NONBEARING WALLS, INTERIOR	0	0	0				
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0	0	0				
FLOOR-CEILING ASSEMBLY	1 HR	1 HR	G-103	UL-L576			
COLUMNS SUPPORTING FLOOR	0	0	0				
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	1 HR	1 HR	G-104	UL-PS22			
ROOF-CEILING ASSEMBLY	0	0	0				
COLUMNS SUPPORTING ROOF	0	0	0				
SHAFT ENCLOSURES - EXIT	N/A	N/A	N/A				
SHAFT ENCLOSURES - OTHER	N/A	N/A	N/A				
CORRIDOR SEPARATION (T 1020.1)	1 HR	1 HR	G-105	UL-U356			
OCCUPANCY SEPARATION (T 508.4)	N/A	N/A	N/A				
PARTY FIRE WALL SEPARATION (S 706)	N/A	N/A	N/A				
SMOKE BARRIER SEPARATION (S 709.3)	N/A	N/A	N/A				
SMOKE PARTITION (S 709.3)	N/A	N/A	N/A				
TENANT/DWELLING UNIT SLEEPING UNIT SEPARATION	1 HR	1 HR	G-106	UL-U341			
INCIDENTAL USE SEPARATION	N/A	N/A	N/A				

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
> 20'	UP-5	75	28.2/2011.4
> 20'	UP-5	75	32.01/44.9+19.4
> 20'	UP-5	75	39.01/44.9+23.6
> 20'	UP-5	75	5.2/2011.4

LIFE SAFETY SYSTEM REQUIREMENTS  
EMERGENCY LIGHTING:  YES  NO  
EXIT SIGNS:  YES  NO  
FIRE ALARM:  YES  NO  
SMOKE DETECTION SYSTEMS:  YES  NO  
CARBON MONOXIDE DETECTION:  YES  NO

LIFE SAFETY PLAN REQUIREMENTS  
LIFE SAFETY PLAN SHEET NUMBER G-102  
 FIRE AND/OR SMOKE RELATED WALL LOCATION (CH 7)  
 ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON THE SITE PLAN)  
 EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (S 705.8)  
 OCCUPANT USE FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (T 1004.1.1)  
 OCCUPANT LOADS FOR EACH AREA  
 EXIT ACCESS TRAVEL DISTANCES (1007)  
 COMMON PATH OF TRAVEL DISTANCES (T 1006.2.1 & T 1006.3.2)(1)  
 DEAD END LENGTHS (1009.4)  
 CLEAR EXIT WIDTHS FOR EACH EXIT DOOR  
 MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (S 1005.3)  
 ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR  
 SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF/CEILING STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION  
 LOCATION OF DOORS WITH PANIC HARDWARE (1001.10)  
 LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND AMOUNT OF DELAY (1010.1.9.7)  
 LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)  
 LOCATION OF DOORS WITH HOLD-OPEN DEVICES  
 LOCATIONS OF EMERGENCY ESCAPE WINDOWS (1030)  
 THE SQUARE FOOTAGE OF EACH FIRE AREA (1022)  
 THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION (1.2 LUT 51)  
 NOTE CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING ITEMS ABOVE

ACCESSIBLE DWELLING UNITS (1107)

TOTAL UNITS	ACCESSIBLE UNITS	TYPE A UNITS	TYPE B UNITS	TOTAL ACCESSIBLE UNITS
10	4	4	0	4

ACCESSIBLE PARKING (1106)

LOT OR PARKING AREA	NUMBER OF PARKING SPACES REQUIRED	NUMBER OF ACCESSIBLE SPACES PROVIDED	TOTAL NUMBER ACCESSIBLE SPACES PROVIDED
2 PER BLDG	2	2	2

PLUMBING FIXTURE REQUIREMENTS

USE	WATERCLOSET	LAVATORY	SHOWER / TUB	KITCHEN SINK	AUTOMATIC CLOTHES WASHER CONNECTION
REQUIRED	R-1	PER DWELLING UNIT	1 PER DWELLING UNIT	1 PER DWELLING UNIT	1 PER DWELLING UNIT
PROVIDED	2-800R	2 PER DWELLING UNIT	2 PER DWELLING UNIT	2 PER DWELLING UNIT	1 PER DWELLING UNIT

SPECIAL APPROVALS  
SPECIAL APPROVAL (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPL, DHS, ICC, ETC., DESCRIBE BELOW)  
NOT REQUIRED

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. PERFORMANCE METHOD.  
STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VERSUS THE ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE. (IF CHECKED, THE REMAINDER OF THIS SECTION IS NOT APPLICABLE.)  
EXEMPT BUILDING:  PERFORMANCE CODE OR STATUTORY REFERENCE

THERMAL ENVELOPE (PRESCRIPTIVE METHOD ONLY)  
ROOF (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: ASPHALT SHINGLES ON WOOD TRUSSES W/ G.W.B. CEILING  
U-VALUE OF TOTAL ASSEMBLY: 0.0241  
R-VALUE OF INSULATION: 38  
SKYLIGHTS IN EACH ASSEMBLY: N/A  
U-VALUE OF SKYLIGHT: N/A  
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: N/A

WALLS ABOVE GRADE (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: VINYL SIDING OVER WOOD FRAMING W/ SHEATHING (EXTERIOR) & G.W.B. (INTERIOR)  
U-VALUE OF TOTAL ASSEMBLY: 0.62  
R-VALUE OF INSULATION: 15  
OPERINGS (WINDOWS OR DOORS WITH GLAZING)  
U-VALUE OF ASSEMBLY: 0.35  
SLAB HEAT GAIN COEFFICIENT: 0.30  
PROTECTION FACTOR: 0.0 ASSUMED  
DOOR R-VALUES: 0.35

WALLS BELOW GRADE (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: N/A  
U-VALUE OF TOTAL ASSEMBLY: N/A  
R-VALUE OF INSULATION: N/A

FLOORS (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: N/A  
U-VALUE OF TOTAL ASSEMBLY: N/A  
R-VALUE OF INSULATION: N/A

SLAB ON GRADE (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: CONCRETE SLAB ON GRADE WITH PERIMETER INSULATION  
U-VALUE OF TOTAL ASSEMBLY: 0.10  
R-VALUE OF INSULATION: N/A  
HORIZONTAL/VERTICLE REQUIREMENT: N/A  
SLAB HEATED: NO

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## LIST OF DRAWINGS

### INFORMATIONAL

- G-101 COVER SHEET
- G-102 LIFE SAFETY PLAN & ACCESSIBLE GUIDELINES
- G-103 UL-L576 1HR FLOOR-CEILING ASSEMBLY
- G-104 UL-PS22 1HR ROOF-CEILING ASSEMBLY
- G-105 UL-U356 1HR EXT. WALL ASSEMBLY
- G-106 UL-U341 1HR TENANT SEPARATION ASSEMBLY

### STRUCTURAL

- S-1 NOTES & SPECIFICATIONS
- S-2 FOUNDATION PLAN
- S-3 SECOND FLOOR FRAMING PLAN
- S-4 THIRD FLOOR FRAMING PLAN
- S-5 ROOF FRAMING PLAN
- S-6 WALL SECTIONS & DETAILS
- S-7 STRUCTURAL DETAILS

### ARCHITECTURAL

- A-101 FIRST FLOOR PLAN
- A-102 SECOND FLOOR PLAN
- A-103 THIRD FLOOR PLAN
- A-104 ROOF PLAN
- A-201 EXTERIOR ELEVATIONS
- A-301 WALL SECTIONS
- A-302 FOUNDATION SECTIONS
- A-303 BUILDING SECTION

### ELECTRICAL

- E-1 ELECTRICAL FIRST FLOOR PLAN
- E-2 LIGHTING FIRST FLOOR PLAN & SCHEDULES
- E-3 ELECTRICAL SECOND FLOOR PLAN
- E-4 LIGHTING SECOND FLOOR PLAN
- E-5 ELECTRICAL THIRD FLOOR PLAN
- E-6 LIGHTING THIRD FLOOR PLAN
- E-7 ELECTRICAL NOTES, PANELS & RISERS

### FIRE ALARM

- FA-1 FIRE ALARM FIRST FLOOR PLAN
- FA-2 FIRE ALARM SECOND FLOOR PLAN
- FA-3 FIRE ALARM THIRD FLOOR PLAN
- FA-4 FIRE ALARM RISERS & DETAILS

### MECHANICAL

- M-1 HVAC FIRST FLOOR PLAN & SCHEDULES
- M-2 HVAC SECOND FLOOR PLAN
- M-3 HVAC THIRD FLOOR PLAN
- M-4 HVAC NOTES, DETAILS & SPECIFICATIONS

### PLUMBING

- P-1 WATER FIRST FLOOR PLAN & NOTES
- P-2 WASTE FIRST FLOOR PLAN & SCHEDULES
- P-3 WATER SECOND FLOOR PLAN & SCHEDULES
- P-4 WASTE SECOND FLOOR PLAN & SCHEDULES
- P-5 WATER THIRD FLOOR PLAN & SCHEDULES
- P-6 WASTE THIRD FLOOR PLAN & RISERS

# FAIRWAY POINT AT ANDERSON CREEK CLUB THREE-STORY, TEN-UNIT BUILDING 188 GALLERY DRIVE SPRING LAKE, NORTH CAROLINA 28390



## ANDREW W. PRIVETTE, ARCHITECT

1920 FT. BRAGG ROAD - FAYETTEVILLE, N.C. 28303 - (910) 485-8567

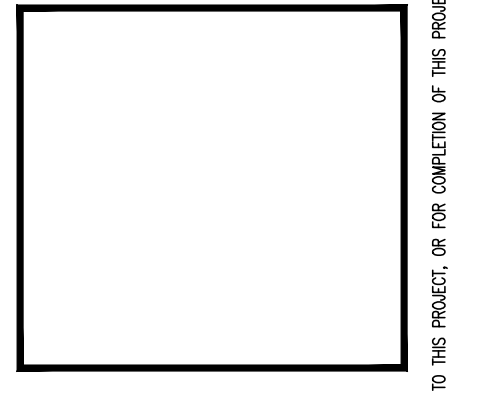
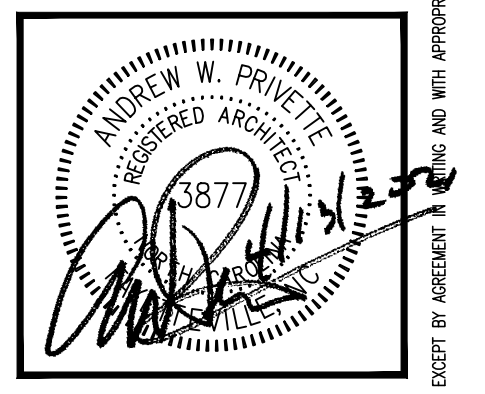


APRIL 13, 2021  
NOVEMBER 30, 2022

## Building # 12 (1)

20FARWAY-10  
ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. CONTRACTORS SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

ANDREW W. PRIVETTE, AIA  
1920 FT. BRAGG ROAD  
FAYETTEVILLE,  
NORTH CAROLINA 28303  
TELE. (910) 485-8567  
andy@designedtobuild.com



FAIRWAY POINT at ANDERSON CREEK CLUB  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING  
SPRING LAKE, NORTH CAROLINA 28390

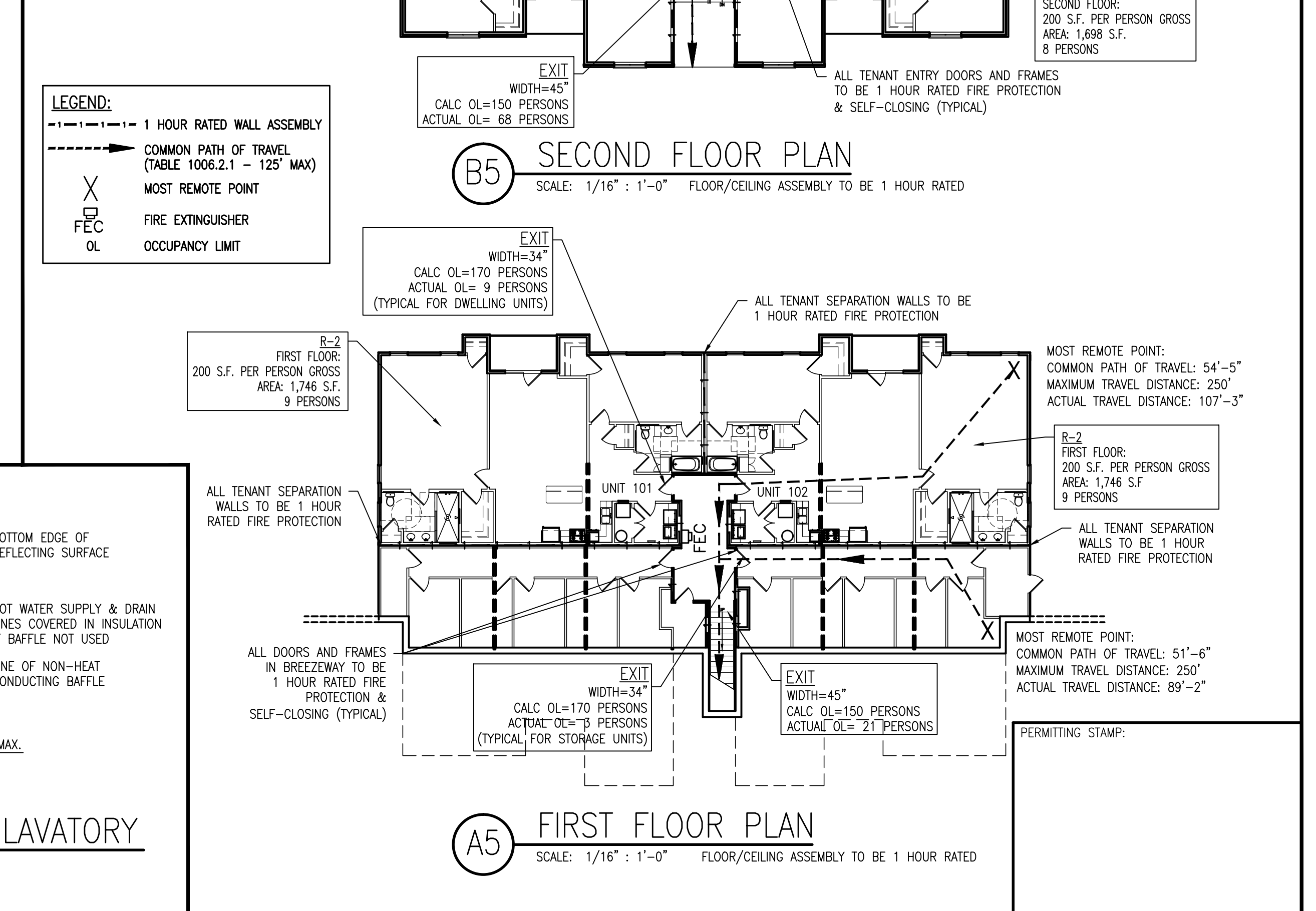
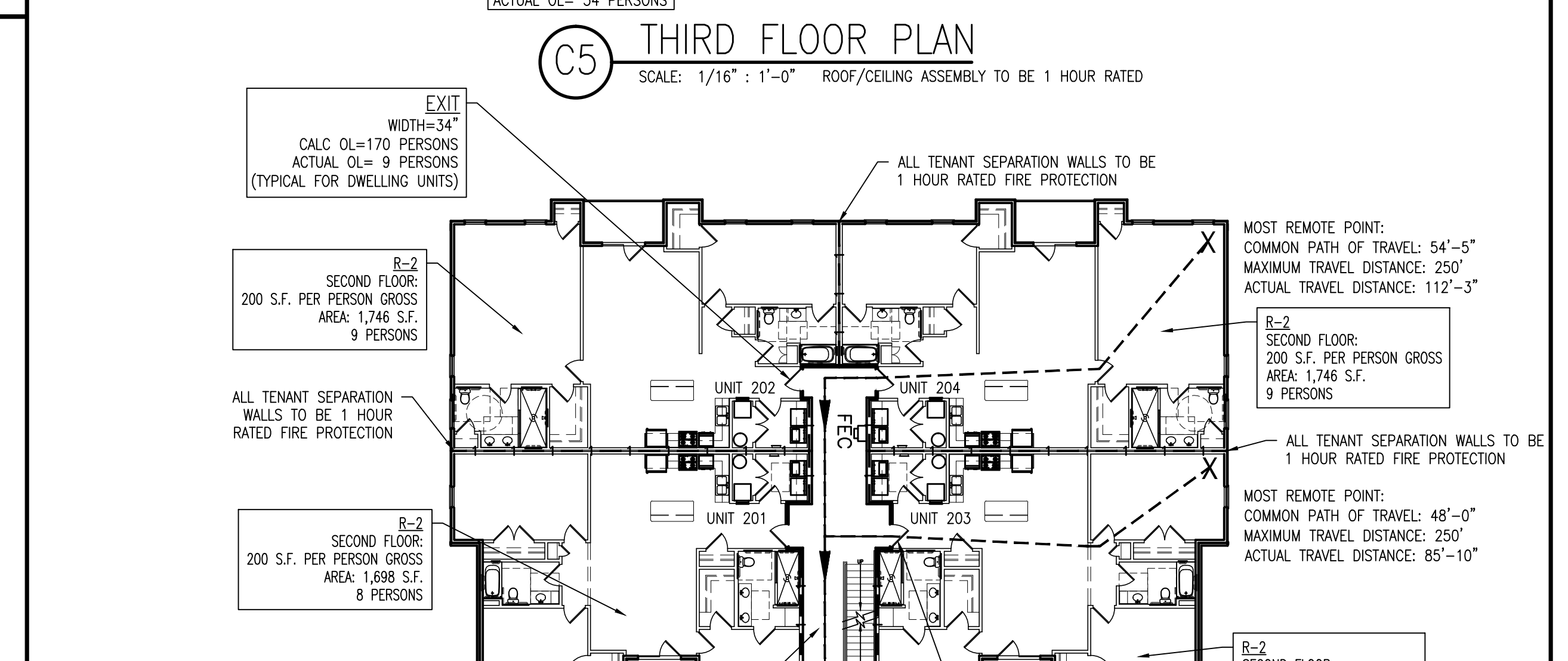
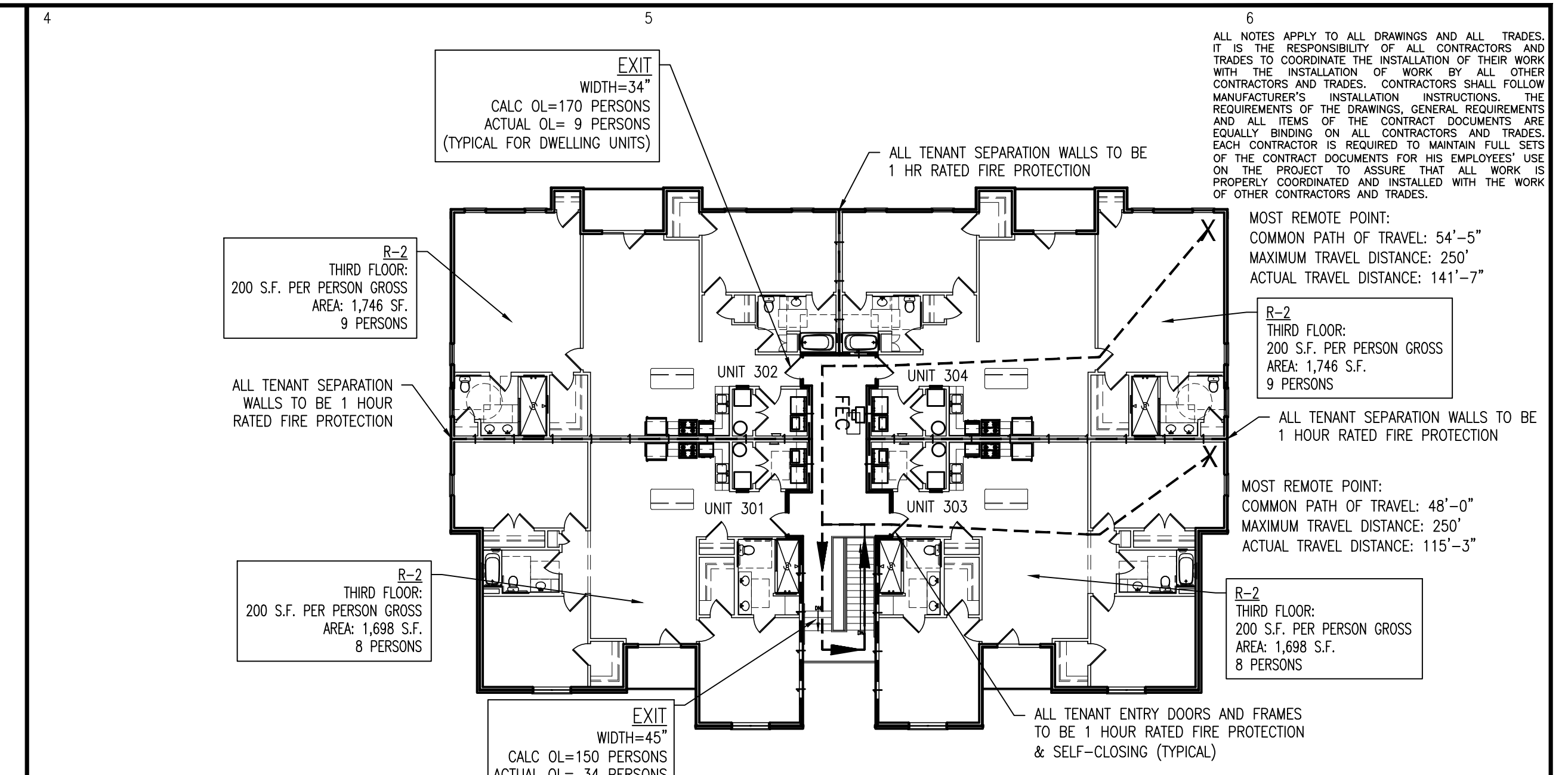
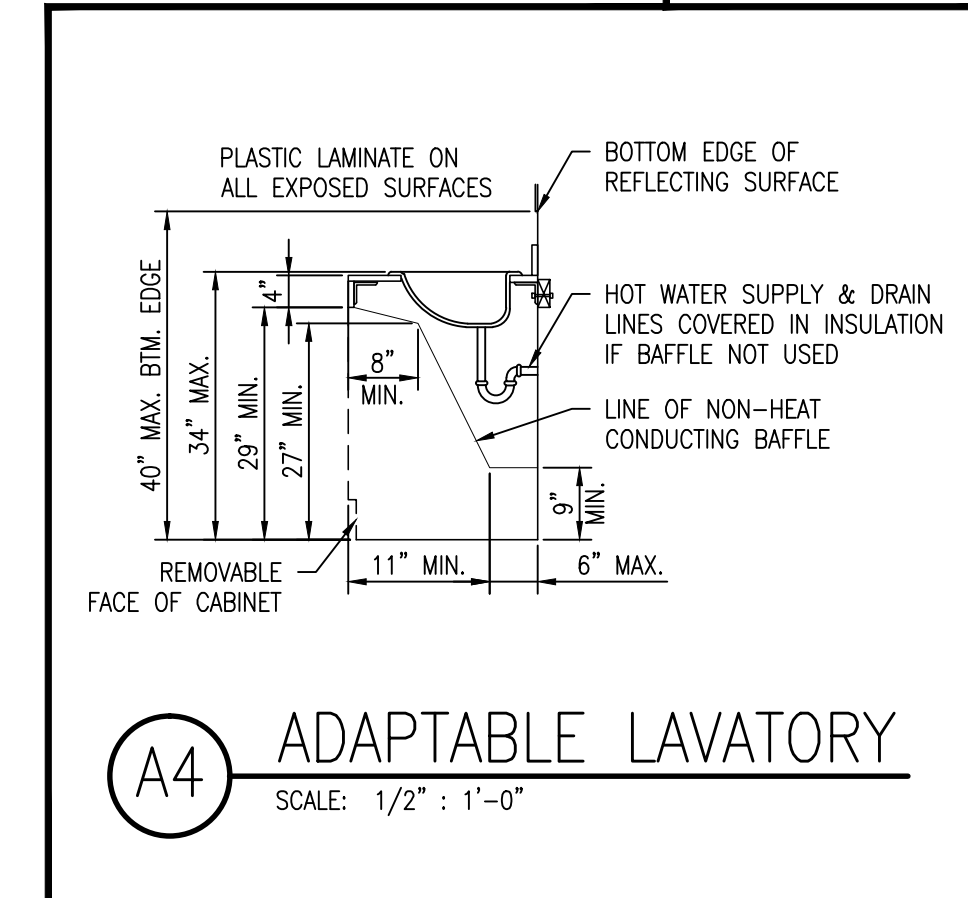
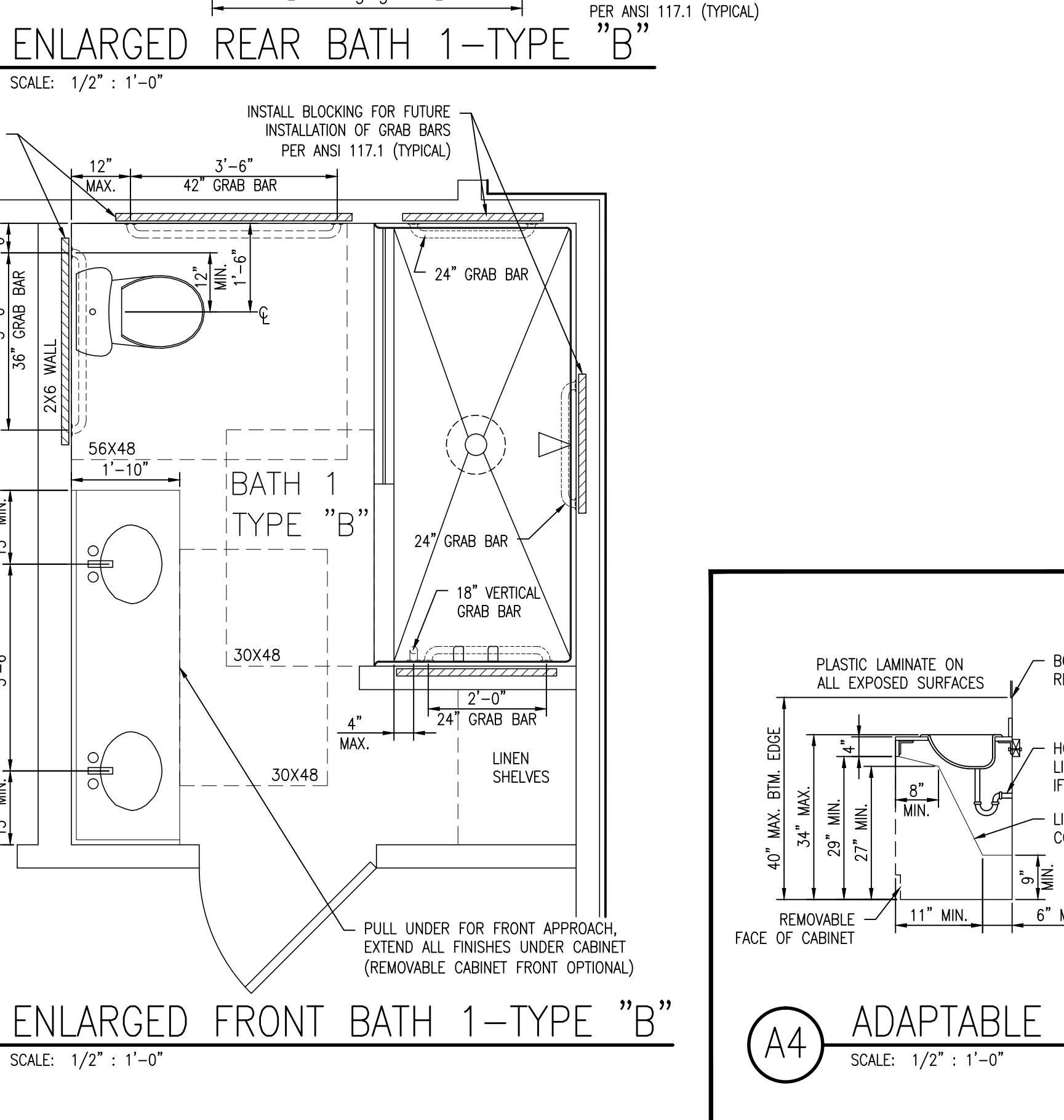
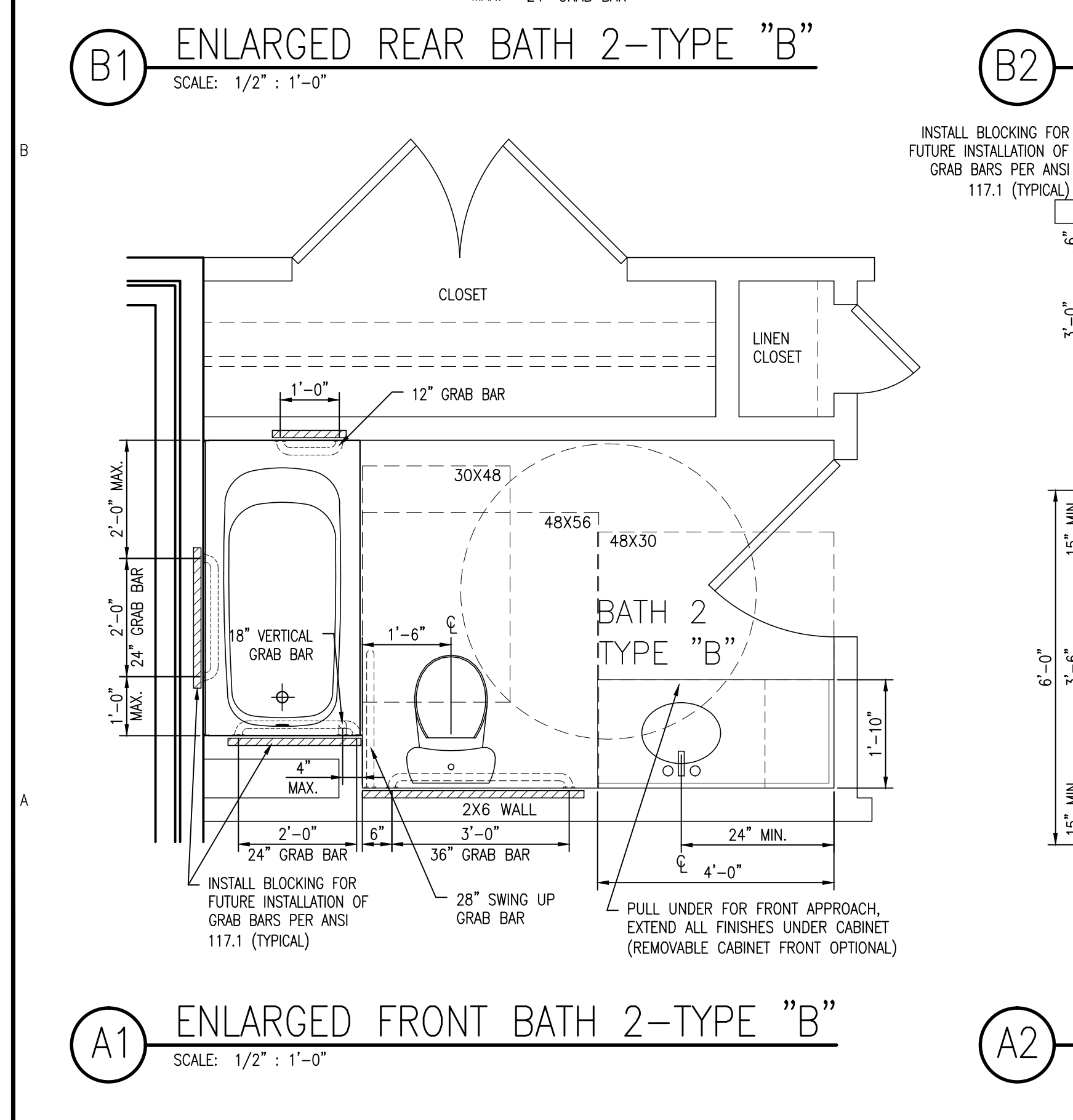
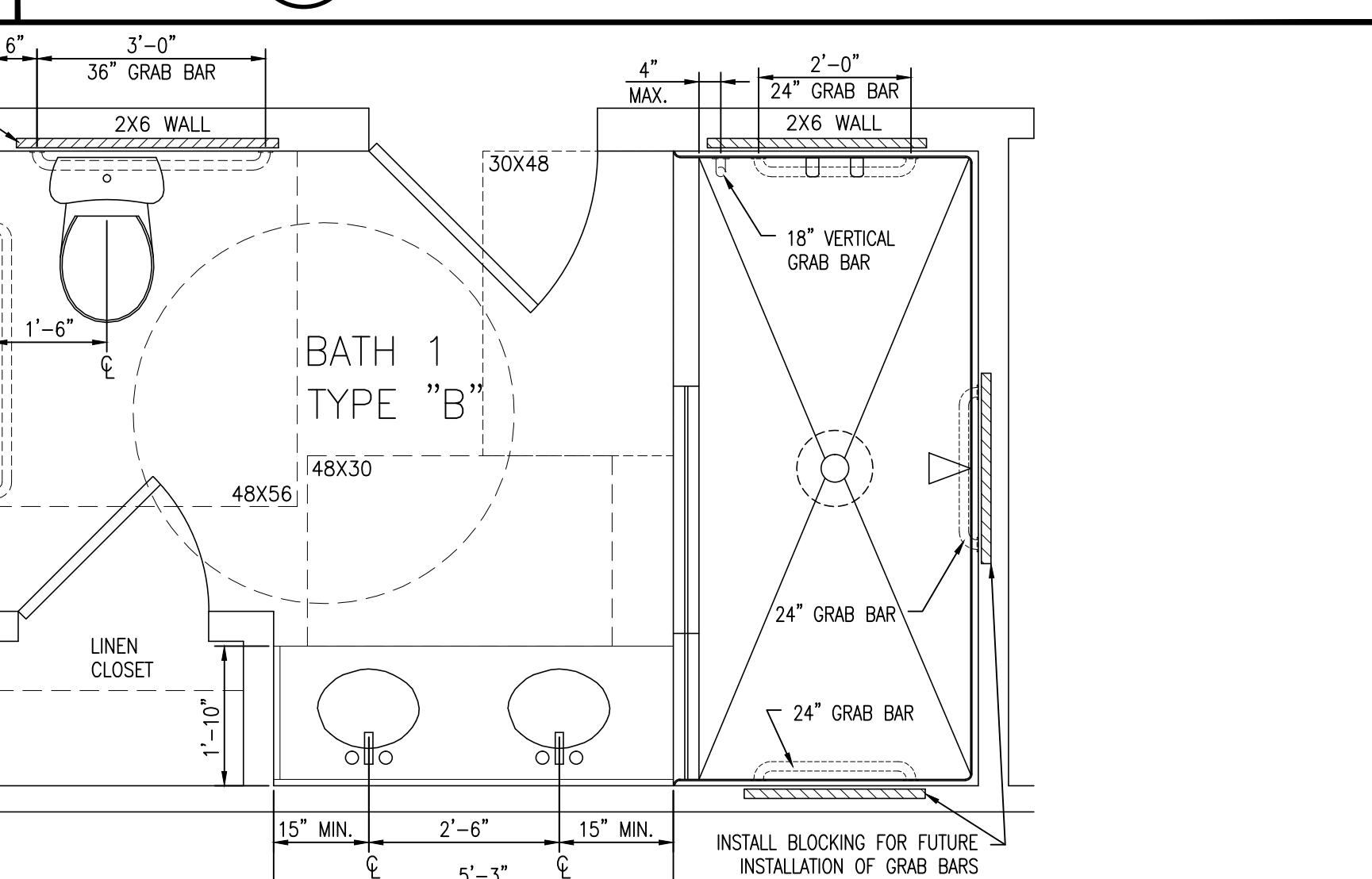
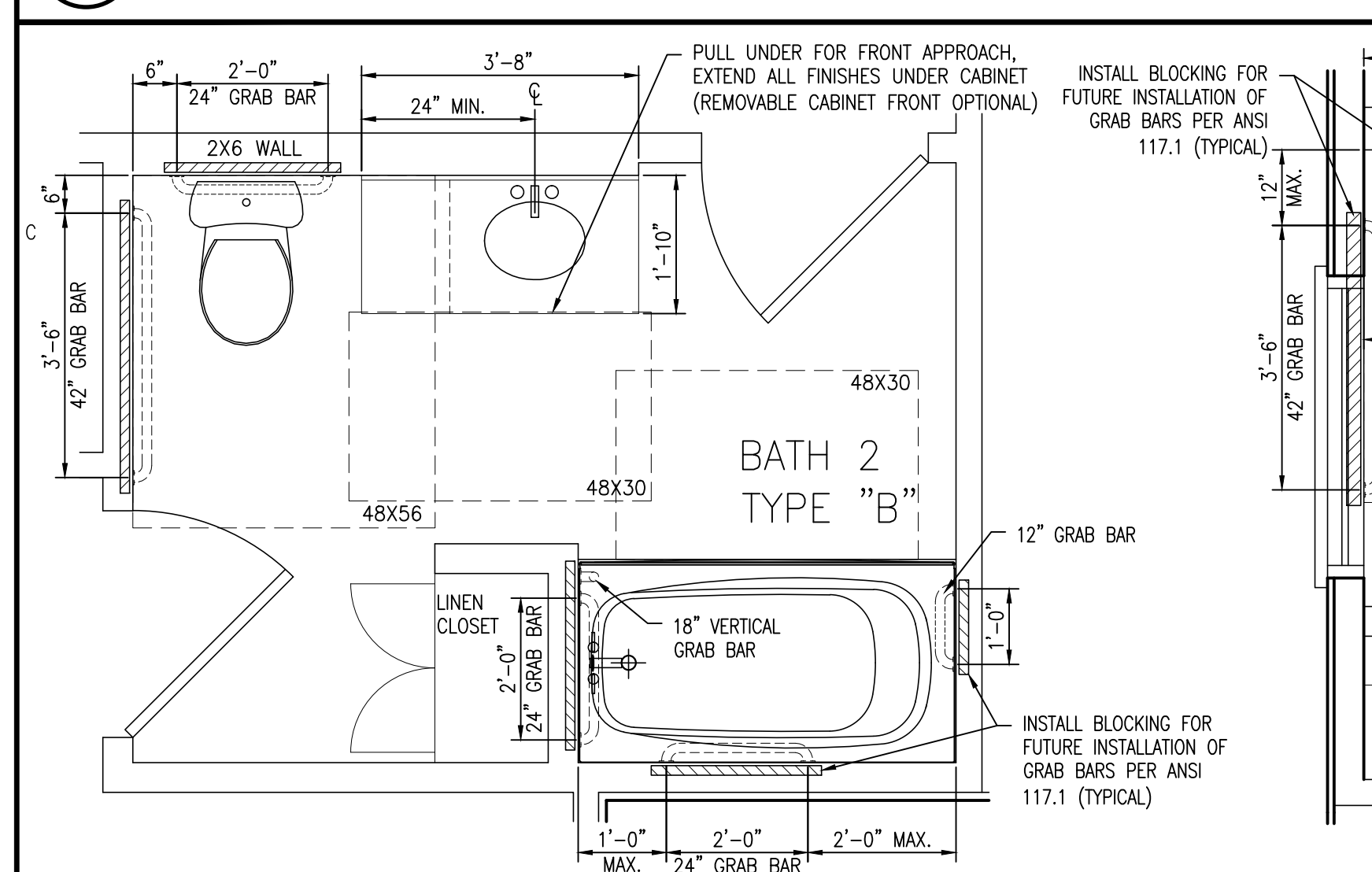
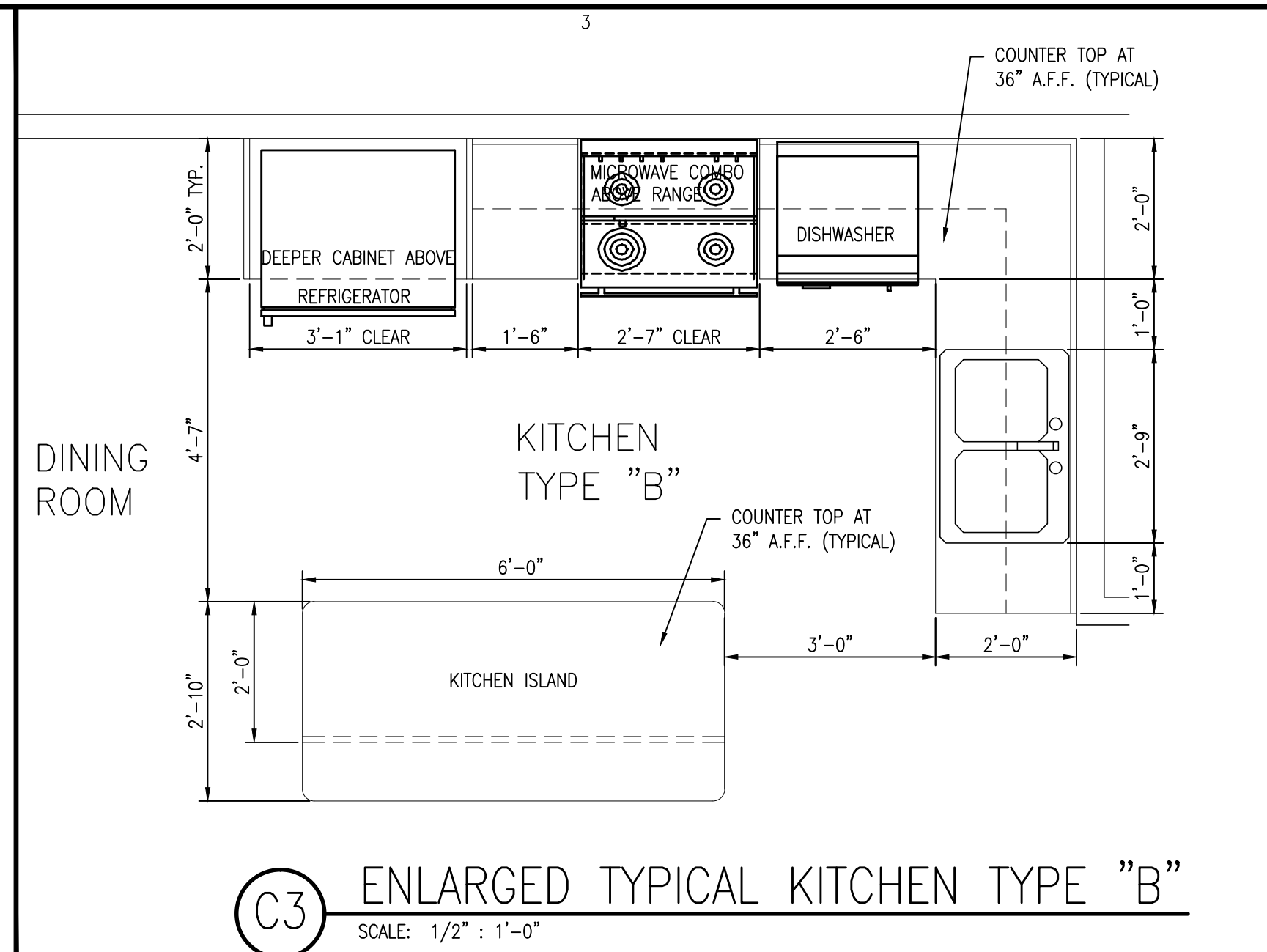
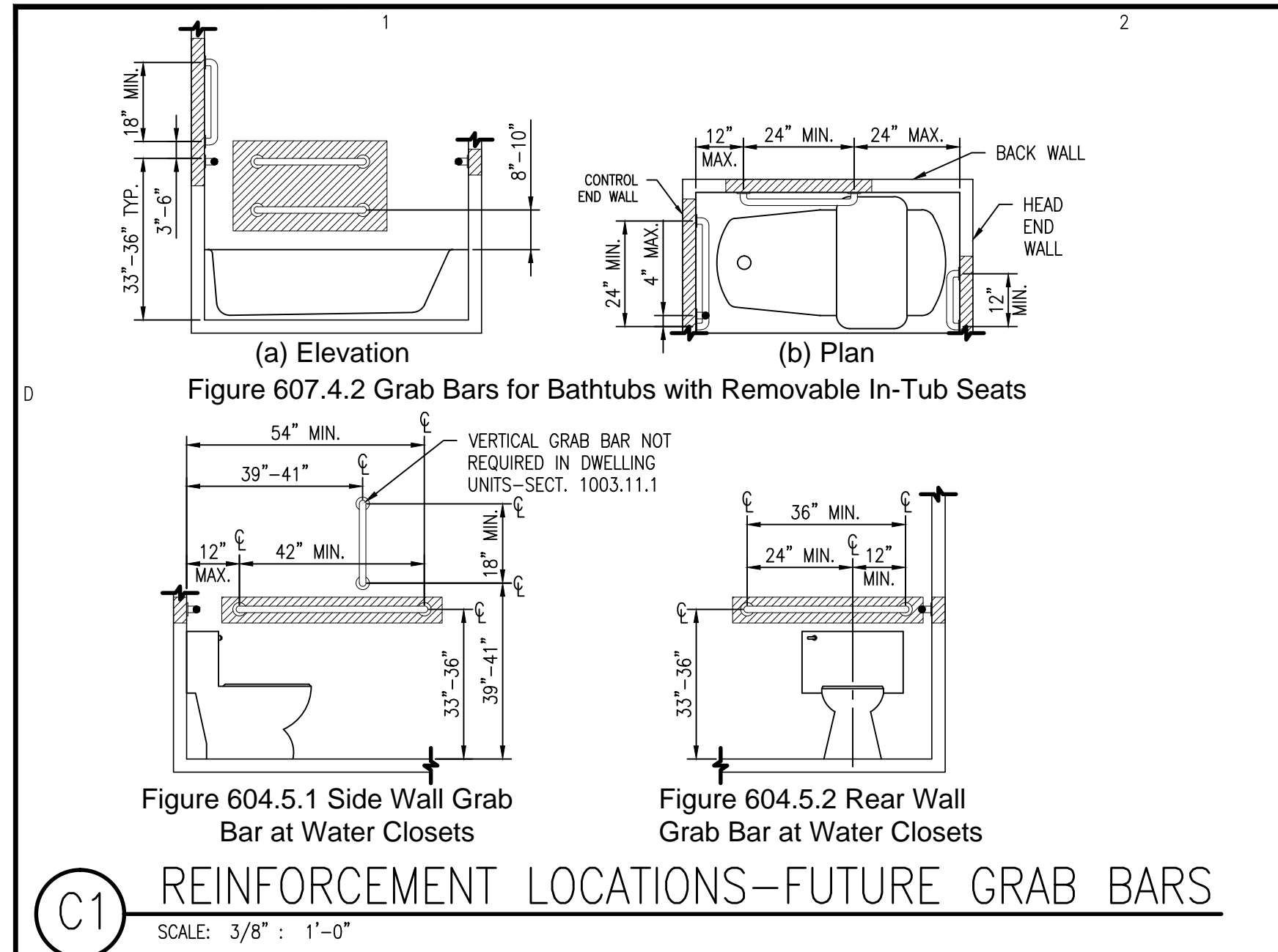
NO.	DATE	DESCRIPTION	MARK	CHECK
1	11-30-2022	DESIGNED TO BUILD	AWP	
2	11-30-2022	DESIGNED TO BUILD	AWP	
3	11-30-2022	DESIGNED TO BUILD	AWP	
4	11-30-2022	DESIGNED TO BUILD	AWP	
5	11-30-2022	DESIGNED TO BUILD	AWP	
6	11-30-2022	DESIGNED TO BUILD	AWP	
7	11-30-2022	DESIGNED TO BUILD	AWP	
8	11-30-2022	DESIGNED TO BUILD	AWP	
9	11-30-2022	DESIGNED TO BUILD	AWP	
10	11-30-2022	DESIGNED TO BUILD	AWP	

JOB CODE: 20FARWAY-10  
DRAWN BY: S.S.TOPE  
CHECKED BY: A. PRIVETTE  
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SHEET TITLE:  
COVER SHEET &  
NC BUILDING  
CODE SUMMARY  
UPDATED 11-30-2022

G-101  
SHEET 1 OF 6





**Designed to Build**  
*A Smarter Approach*

**ANDREW W. PRIVETTE, AIA**  
 1920 FT. BRAGG ROAD  
 FAYETTEVILLE,  
 NORTH CAROLINA 28303  
 TELE. (910) 485-8567  
 andy@designtobuild.com

**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING —  
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	MARK	CHK
1	11-13-21	ISSUE FOR PERMITTING		

JOB CODE: 20FAIRWAY-10  
 DRAWN BY: S.S.TOPE  
 CHECKED BY: A. PRIVETTE  
 COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:  
**LIFE SAFETY PLAN & ACCESSIBLE GUIDELINES**

**G-102**  
 SHEET 2 OF 6

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER. ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.





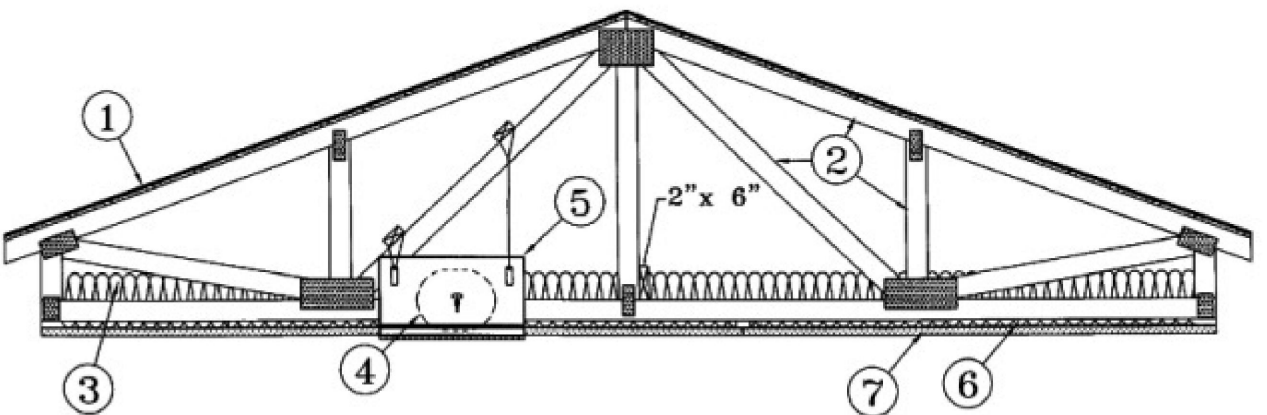
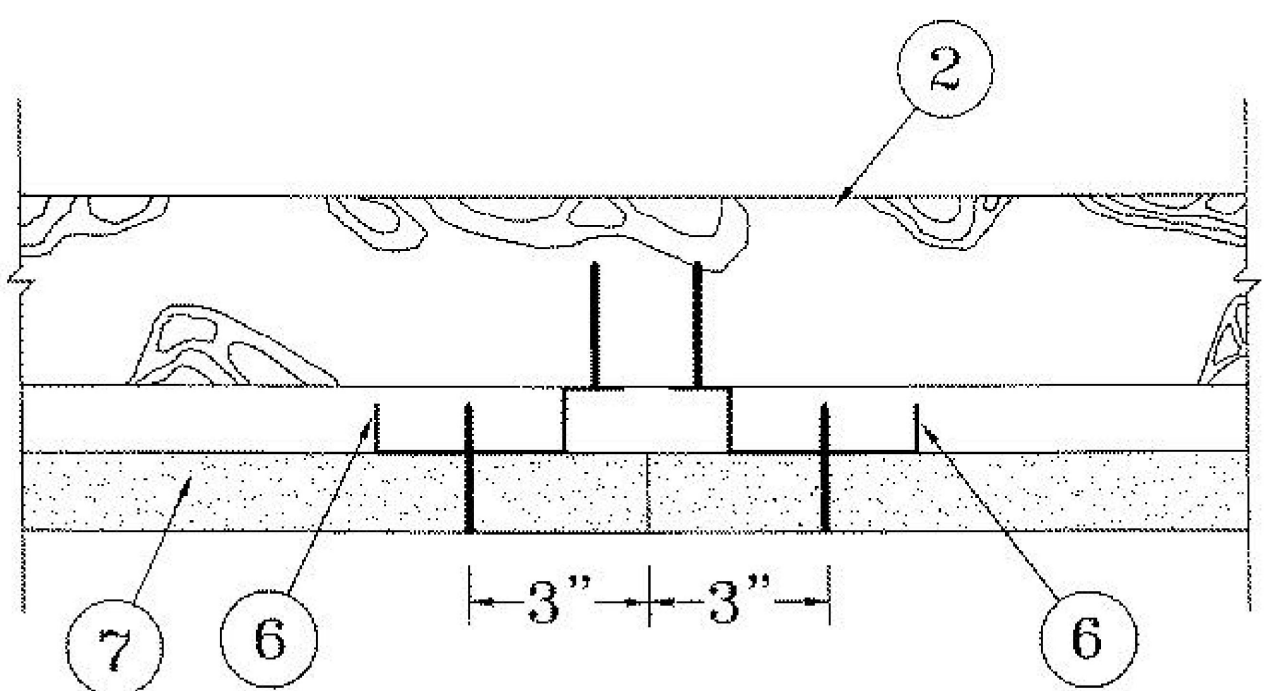
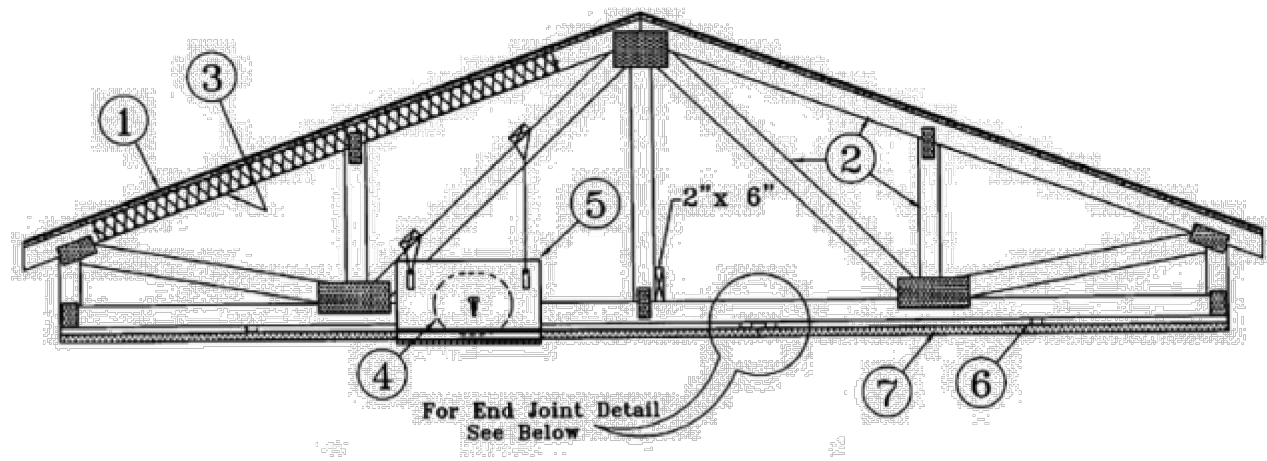


Design No. P522

September 20, 2016

Unrestrained Assembly Rating - 1 Hr
Finish Rating - 25 Min (See Items 3 or 3A)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXLUV or BXLUV2.
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



Alternate Insulation Placement

- 1. Roofing System - Any UL Class A, B or C Roofing System (TGFR) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels...
2. Trusses - Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally...
3. Batts and Blankets - (Optional) - Required when Item 6B is used - Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC...
3A. Fiber, Sprayed - As an alternate to Item 3 (not evaluated for use with Item 6B) - Any thickness of spray-applied cellulose insulation material, having a min density of 0.5 lb/ft3, applied with water, over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7...
4. Air Duct - Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer...
5. Ceiling Damper - Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.

U.S. GREENFIBER L.L.C. - INS735 & INS745 for use with wet or dry application. INS510LD, INS515LD, INS541LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only.

POTTORFF - Model CFD-521

C&S AIR PRODUCTS - Model RD-521

SA. Alternate Ceiling Damper - Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 26 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 98 sq in. per 100 sq ft of ceiling area.

C&S AIR PRODUCTS - Model RD-521-BT

POTTORFF - Model CFD-521-BT

PLTICE INC - Type Genie Clip

3D. Steel Framing Members - (Not Shown) - As an alternate to Items 6, 6A, 6B and 6C.

a. Main runners - Installed perpendicular to trusses - Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of trusses with 1/2 SWG galv steel wire. Wires located a max of 48 in. OC.

b. Cross tees or channels - Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

5B. Alternate Ceiling Damper - Max nom area shall be 256 sq in. with the length not to exceed 24 in. and the width not to exceed 20 in. Max height of damper shall be 17 in. Aggregate damper openings shall not exceed 128 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille shall be installed in accordance with installation instructions.

POTTORFF - Models CFD-521-IP, CFD-521-NP

5C. Alternate Ceiling Damper - Ceiling damper & fan assembly. Max nom area shall be 75 sq in. with the length not to exceed 8-9/16 in. and the width not to exceed 8-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 38 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturers installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.

DELTA ELECTRONICS INC - Models CRD2, GBR-CRD, ITG-CRD

5D. Alternate Ceiling Damper - Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 75 sq in. with the length not to exceed 10-1/4 in. and the width not to exceed 9-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 45 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.

DELTA ELECTRONICS INC - Model SIG-CRD

5E. Alternate Ceiling Damper - Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 103 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 10-1/8 in. Aggregate damper openings shall not exceed 52 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.

PANASONIC CORPORATION, PANASONIC CORPORATION OF NORTH AMERICA - Model PC-RD05C5

5F. Alternate Ceiling Damper - Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 113 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 11-1/8 in. Aggregate damper openings shall not exceed 57 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.

BROAN-NUTONE L.L.C. - Model RDFU

5G. Alternate Ceiling Damper - Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 79 sq in. with the length not to exceed 10-1/4 in. and the width not to exceed 9-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 40 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A metallic grille shall be installed in accordance with installation instructions.

BROAN-NUTONE L.L.C. - Models RD01 and RDH

6. Furring Channels - Resilient channels formed of 25 MSG thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed space, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane. Two courses of resilient channel positioned 6 in. OC at wallboard but-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard but-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.

6A. Steel Framing Members - (Not Shown) - As an alternate to Item 6, furring channels and Steel Framing Members as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to trusses as described in Item 6Aa. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. Steel Framing Members - Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC. R5IC-1 and R5IC-1 (2.75) clips secured to alternating trusses with No. 8 by 2-1/2 in. coarse drywall screw through the center grommet. R5IC-V and R5IC-V (2.75) clips secured to alternating trusses with No. 8 by 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. R5IC-2 and R5IC-V clips for use with 2-9/16 in. wide furring channels. R5IC-1 (2.75) and R5IC-V (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item 6Aa. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board but joints, as described in Item 7.

PAC INTERNATIONAL L.L.C. - Types R5IC-1, R5IC-V, R5IC-1 (2.75), R5IC-V (2.75).

6B. Steel Framing Members - (Not Shown) - As an alternate to Items 6 and 6A.

a. Furring Channels - Hat-shaped furring channels, 7/8 in. deep by 2-5/8 in. wide at the base and 1-1/4 in. wide at the face, formed from No. 25 ga. galv steel, spaced max 16 in. OC perpendicular to trusses and Cold Rolled Channels (Item 6Bb). Furring channels secured to Cold Rolled Channels at every intersection with a 1/2 in. pan head self-drilling screw through each furring channel leg. Ends of adjoining channels overlapped 4 in. and tied together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap. Supplemental furring channels at base layer and outer layer gypsum board but joints are not required. Batts and Blankets draped over furring channels as described in Item 3. Two layers of gypsum board attached to furring channels as described in Item 7.

b. Cold Rolled Channels - 1-1/2 in. by 1/2 in. by 1/2 in. formed from No. 16 ga. galv steel, positioned vertically and parallel to trusses. Friction-fitted to the channel cavity on the Steel Framing Members (Item 6Bd). Adjoining lengths of cold rolled channels lapped min. 6 in. and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. Blocking - Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), min. 6 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the truss (Item 2) at the top and bottom of the blocking at the Steel Framing Member (Item 6Bd) location.

d. Steel Framing Members - Hangers spaced 48 in. OC, max along truss, and secured to the Blocking (Item 6Bc) on alternating trusses with a single 5/16 in. by 2 in. hex head lag bolt or four #6 1-1/4 in. drywall screws through mounting hole(s) on the hanger bracket. The two 1/4 in. long steel teeth on the hanger are embedded in the side of the blocking. Hanger positioned on blocking and leveling bolt height adjusted such that furring channels are flush with bottom of trusses before gypsum board installation. Spring gauge of hanger chosen per manufacturer's instructions.

KINETICS NOISE CONTROL INC - Type ICV.

6C. Steel Framing Members - (Not Shown) - As an alternate to Items 6, 6A and 6B.

a. Furring Channels - Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep installed perpendicular to wood structural members. Channels spaced a max of 24 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed space or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space. Channels secured to trusses as described in Item 6C. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire near each end of overlap.

b. Steel Framing Members - Used to attach furring channels (Item 6Ca) to trusses (Item 2). Clips secured to the bottom chord of each truss (24 in. OC) with one No. 8 by 2-1/2 in. long coarse drywall screw through center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item 6Ca. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board but joints, as described in Item 7.

PLTICE INC - Type Genie Clip

6D. Steel Framing Members - (Not Shown) - As an alternate to Items 6, 6A, 6B and 6C.

a. Main runners - Installed perpendicular to trusses - Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of trusses with 1/2 SWG galv steel wire. Wires located a max of 48 in. OC.

b. Cross tees or channels - Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

c. Wall angles or channels - Used to support steel framing member ends and for screw-attachment of the gypsum board to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

CGC INC - Type DGL or RX

USG INTERIORS LLC - Type DGL or RX

6E. Alternate Steel Framing Members - (Not Shown) - As an alternate to Items 6, 6A, 6B, and 6C, furring channels and Steel Framing Members as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. Steel Framing Members - Used to attach furring channels (Item a) to the wood trusses (Item 2). Clips spaced at 24" OC and secured to the bottom of the trusses with one No. 10 x 2-1/2 Coarse Drywall Screw through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and screwed with four No. 8 x 1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Additional clips are required to hold the Gypsum Butt joints and side joints as described in Item 7.

STUCCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6F. Steel Framing Members - (Not Shown) - As an alternate to Items 6 through 6E. Not for use with Items 3 or 3A. Main runners nom 12 ft long, spaced 72 in. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in. OC. The main runners and cross tees may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

USG INTERIORS LLC - Type DGL or RX

7. Gypsum Board - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane.

When Steel Framing Members (Item 6A or 6C) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Gypsum board screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Gypsum board but joints shall be staggered min. 2 ft within the assembly, and occur between the main furring channels. At the gypsum board but joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in., on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one clip at each end of the channel. Screw spacing along the butt joint to attach the gypsum board to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.

When Steel Framing Members (Item 6B) are used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels (Item 6Ba). Base layer attached to the furring channels using 1 in. long Type S bugle head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. Butted end joints centered on the continuous furring channels. Butted base layer end joints to be offset a min of 16 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints centered on the continuous furring channels and offset a min of 16 in. from butted end joints of base layer. Butted side joints of outer layer to be offset min 16 in. from butted side joints of base layer.

When Steel Framing Members (Item 6C) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 72 in. At the gypsum board but joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in., on each end, spaced approximately 2 in. in. from joint. Screw spacing along the gypsum board but joint shall be 8 in. OC. Butt joint furring channels shall be attached with a RESILMOUNT Sound Isolation Clip secured to underside of every truss that is located over the butt joint. Over all Gypsum Board side joints, approximately 20 in. lengths of furring channel shall be installed parallel to trusses (Item 2) between main furring channels. Side joint furring channels shall be attached to underside of the joint with RESILMOUNT Sound Isolation Clips - located approximately 2 in. from each end of the approximate 20 in. length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

When alternate Steel Framing Members (Item 6F) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board sheets installed with long dimension (side joints) perpendicular to the 6 ft long cross tees with the end joints staggered min 4 ft and centered between the main furring channels. Gypsum board side joints may occur beneath or between main runners. Prior to installation of the gypsum board sheets, backer strips consisting of nom 2-3/4 in. wide pieces of gypsum board are to be laid atop the cross tee flanges and centered over each butted end joint location. The backer strips are to be secured to the flanges of the cross tees at opposite corners of the backer strip with hold down clips to prevent the backer strips from being uplifted during screw-attachment of the gypsum board sheets. Gypsum board fastened to cross tees with 1 in. drywall screws spaced 1 in. and 4 in. from the joint.

the side joints and max 8 in. OC in the field of the board. The butted end joints are to be secured to the backer strip with No. 10 by 1-1/2 in. long Type G laminating screws located 1 in. from each side of the butted end joint and spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board.

CGC INC - Types C, IP-X2, IPC-AR

UNITED STATES GYPSUM CO - Types C, IP-X2, IPC-AR

USG BORAL ZAWAW DRYWALL L.L.C SFZ - Type C

USG MEXICO S A DE CV - Types C, IP-X2, IPC-AR

7A. Gypsum Board - For use with Steel Framing Members (Item 6D) when Batts and Blankets\* (Item 3) are not used - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each gypsum board side joint. Except at staggered end joints, wallboard screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered min 2 ft. Gypsum board sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7. For use with Steel Framing Members\* (Item 6D) when Batts and Blankets\* (Item 3) are used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.

CGC INC - Type C or IP-X2

UNITED STATES GYPSUM CO - Type C or IP-X2

USG BORAL ZAWAW DRYWALL L.L.C SFZ - Type C

USG MEXICO S A DE CV - Type C or IP-X2

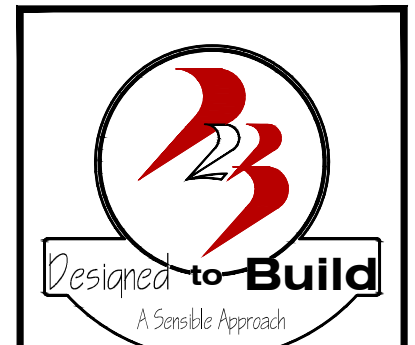
8. Finishing System - (Not Shown) - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board. Alternate Ceiling Membrane - Not Shown.

9. Netting - Fibrous, woven netting material fastened to underside of each joint with staples, with side joints overlapped.

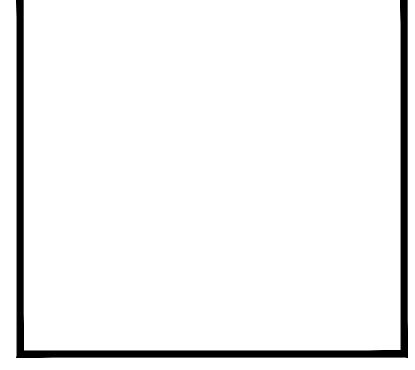
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2016-09-20

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. CONTRACTORS SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.



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FAIRWAY POINTE at ANDERSON CREEK CLUB
THREE-STORY, TEN-UNIT BUILDING
GALLERY DRIVE, BUILDING
SPRING LAKE, NORTH CAROLINA 28390

Table with columns for PERMIT, DATE, MARK, and CHECK. Includes a row for PERMIT NO. 14-13-21 and a row for DATE.

JOB CODE: Z0FAIRWAY-10
DRAWN BY: S.S.TOPE
CHECKED BY: A. PRIVETTE
DESIGNED TO BUILD

SHEET TITLE:
FIRE RATED
UL-P522 ROOF-
CEILING ASSEMBLY

G-104
SHEET 4 OF 6

A1 UL P522 - 1HR ROOF-CEILING ASSEMBLY
SCALE: NTS

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER. ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.



Design No. U356

July 11, 2018

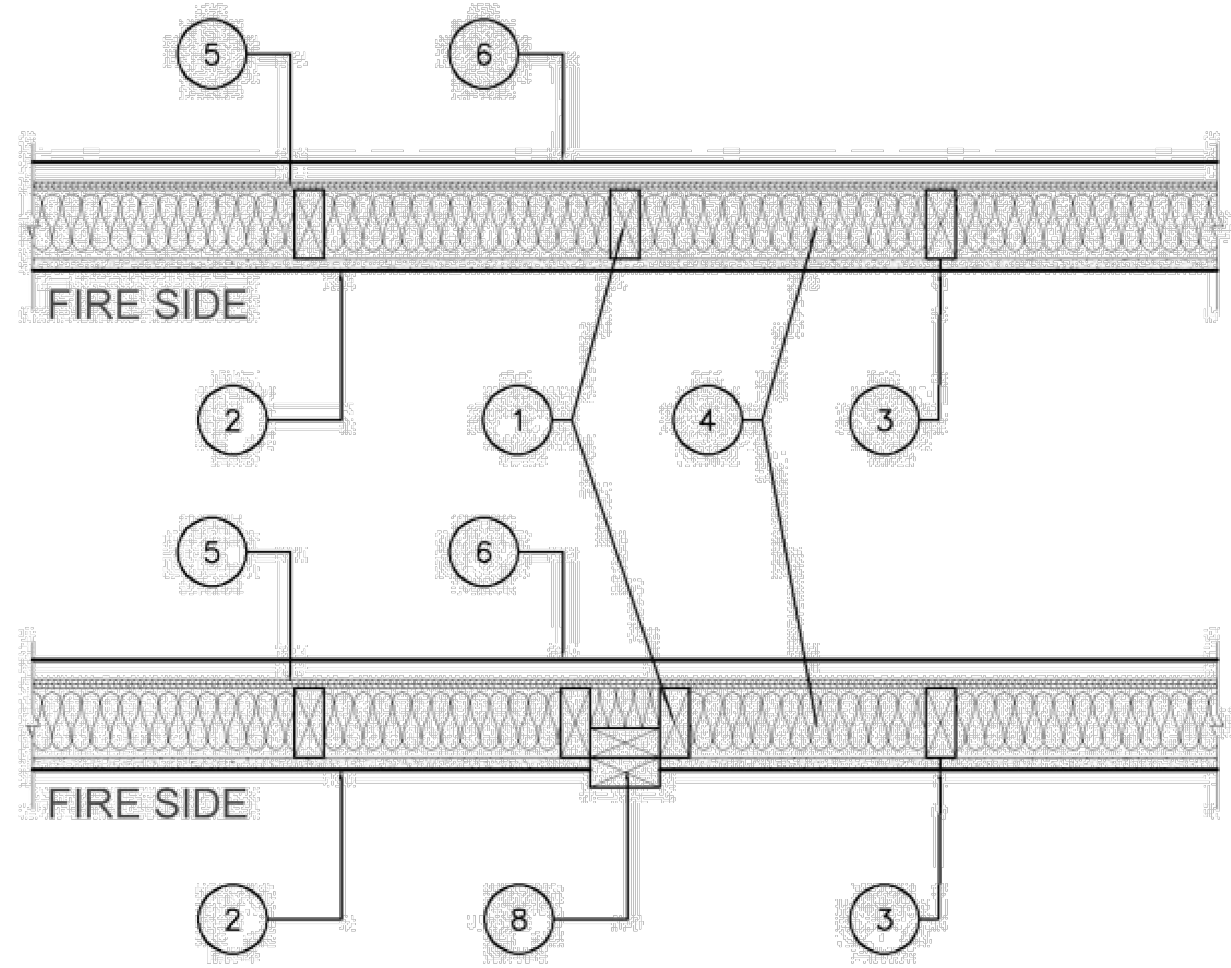
Bearing Wall Rating - 1 Hr Rating Exposed to Fire on Interior Face Only

Bearing Wall Rating - 1 Hr Rating Exposed to Fire on Exterior Face (See Item 6E)

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

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV or BXUVZ

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



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

2. Gypsum Board\* - Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. Nom 5/8 in. thick, 4 ft wide, applied vertically and fastened 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, 7B, 7C, 7D or 7E 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.

ACADIA DRYWALL SUPPLIES LTD (View Classification) - CKNX.R25370

AMERICAN GYPSUM CO (View Classification) - CKNX.R14196

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

CERTAINTED GYPSUM INC (View Classification) - CKNX.R3660

CGC INC (View Classification) - CKNX.R19751

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C (View Classification) - CKNX.R18482

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

LOADMASTER SYSTEMS INC (View Classification) - CKNX.R11809

NATIONAL GYPSUM CO (View Classification) - CKNX.R3501

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

PANEL REV S A (View Classification) - CKNX.R21796

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

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

UNITED STATES GYPSUM CO (View Classification) - CKNX.R1319

USG BORAL DRYWALL SFZ LLC (View Classification) - CKNX.R38438

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

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

CGC INC

UNITED STATES GYPSUM CO

USG BORAL DRYWALL SFZ LLC

USG MEXICO S A DE C V

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

ACADIA DRYWALL SUPPLIES LTD - Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO - Types AGX-1, M-Glass, AG-C, LightRoc

CERTAINTED GYPSUM INC - Type C, Type X-2, Type X, Type X-1, Easi-Lite Type X-2

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

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

THAI GYPSUM PRODUCTS PCL - Type C or Type X

2C. Gypsum Board\* - (As an alternate to Item 2, Not Shown) - For Use with Item 5A only - 5/8 in. thick 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screws 1 in. and 4 in. from edges of board. Finish Rating is 25 min.

ACADIA DRYWALL SUPPLIES LTD - 5/8 Type X, Type Blueglass Exterior Sheathing

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

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

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

NATIONAL GYPSUM CO - SoundBreak XP Type X Gypsum Board

2E. Gypsum Board\* - (As an alternate to Items 2 through 2D) - Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock ES.

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

CERTAINTED GYPSUM INC - Type SilentFX

2G. Wall and Partition Facings and Accessories\* - (As an alternate to Items 2 through 2F) - Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock 527.

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

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLXL

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

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

2J. Gypsum Board\* - (As an alternate to Item 2) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread steel screws spaced a max 8 in. OC with the last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally.

CERTAINTED GYPSUM INC - Type C, Type X-2, Type X or Type X-1 (finish rating 26 min), Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2, Type EGRG or GlasRoc or GlasRoc Sheathing (finish rating 23 min)

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

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

See Batts and Blankets\* (BKNV) Category in the Building Materials Directory and Batts and Blankets\* (B232) Category in the Fire Resistance Directory for names of Classified Companies

4A. Fiber, Sprayed\* - As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C - INS735 & INS745 for use with wet or dry application. INS510LD, INS515LD, INS541LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only.

4B. Fiber, Sprayed\* - As an alternate to Item 4 and 4A - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.5 lb/ft³.

NU-WOOL CO INC - Cellulose Insulation

4C. Fiber, Sprayed\* - As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP - Celbar-RL

4D. Fiber, Sprayed\* - As an alternate to Batts and Blankets (Item 4) - Spray applied, granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).

AMERICAN ROCKWOOL MANUFACTURING, LLC - Type ROCKWOOL Premium Plus

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

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

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

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

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

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

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

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

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

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

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

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

I. Wall and Partition Facings and Accessories\* - Stone veneer is mortar bonded to a lath, scratch coat and water resistant barrier applied to sheathing, installed in accordance with the manufacturer's installation instructions, and meeting the requirements of local code agencies.

ELDORADO STONE OPERATIONS L L C - Type Eldorado Stone

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

CENTRIA, A DIVISION OF NCI GROUP, INC - Types Formawall Dimension Series and Formawall Graphix Series

KINGSPAN INSULATED PANELS INC - Types 200, 300, 400, 900, or KS series, 2 through 6 in. thickness; CWP-V, H, 2 through 3 in. nominal thickness or Designwall 2000 or Designwall 4000, 2 and 3 in. nominal thickness.

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

a. Furring Channels - Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. Steel Framing Members\* - Used to attach furring channels (Item 7A) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C - Types RSIC-1, RSIC-1 (2.75).

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.

7B. 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 AWG galvanized 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 7Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

PLITEQ INC - Type Genie Clip

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

a. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 2.

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

STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R

7D. 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 7Db. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 2.

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

REGUPOL AMERICA - Type SonusClip

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

a. Resilient Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 1/2 x 1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 2.

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

KEENE BUILDING PRODUCTS CO INC - Type RC+ Assurance Clip

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 a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

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

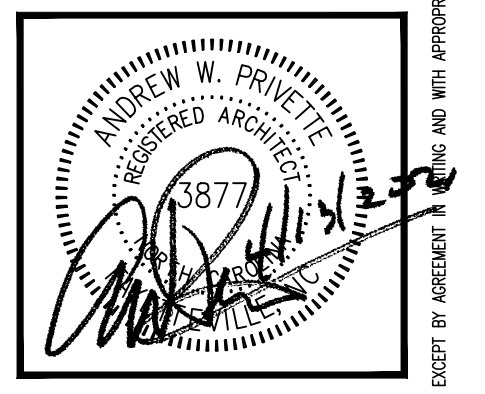
Last Updated on 2018-07-11

A1 UL U356 1-HR EXTERIOR BEARING WALL ASSEMBLY

SCALE: NTS

PERMITTING STAMP: FIRE RATED UL-U356 EXTERIOR WALL ASSEMBLY

Designed to Build logo and contact information for Andrew W. Privette, AIA, including address and phone number.



FAIRWAY POINTE at ANDERSON CREEK CLUB THREE-STORY, TEN-UNIT BUILDING GALLERY DRIVE, BUILDING - SPRING LAKE, NORTH CAROLINA 28390

Table with columns for DATE, DESCRIPTION, and CHECK, containing project details.

JOB CODE: Z0FAIRWAY-10 DRAWN BY: S.S.TOPE CHECKED BY: A. PRIVETTE COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE: FIRE RATED UL-U356 EXTERIOR WALL ASSEMBLY G-105 SHEET 5 OF 6



Design No. U341

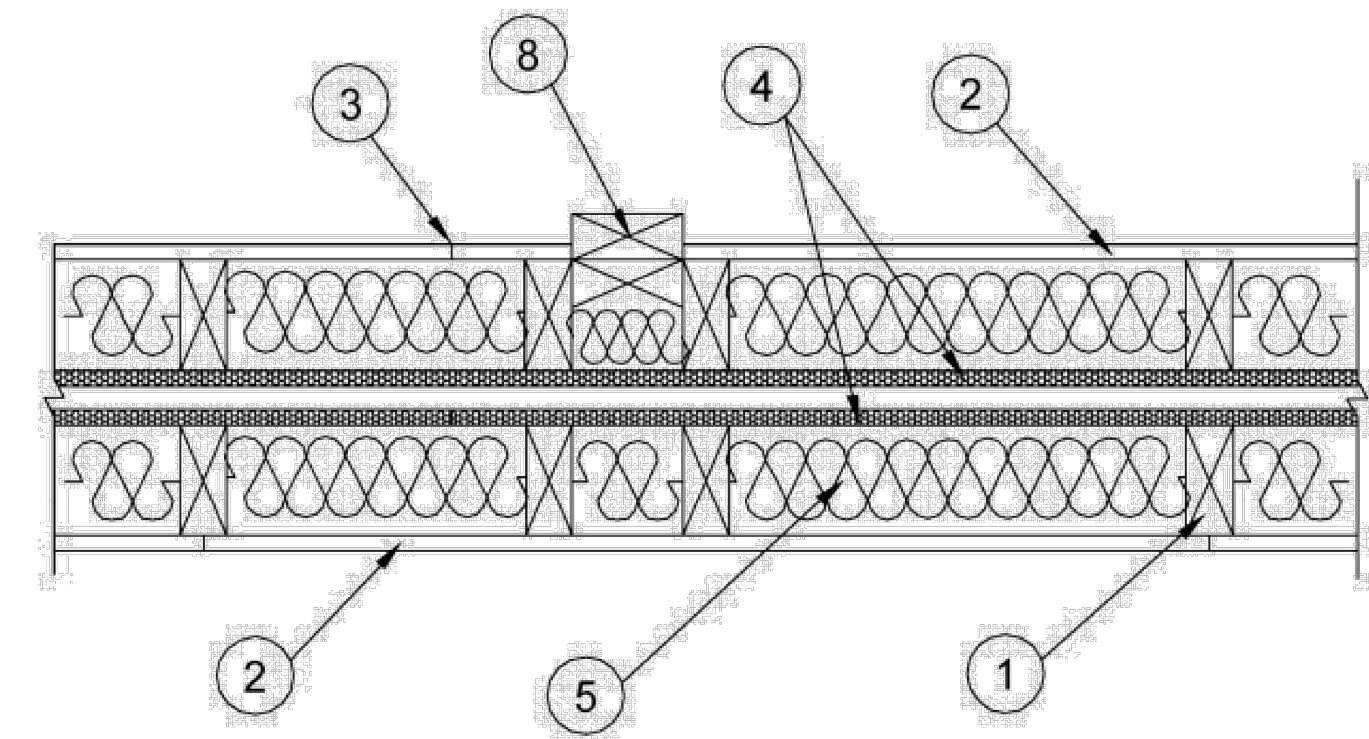
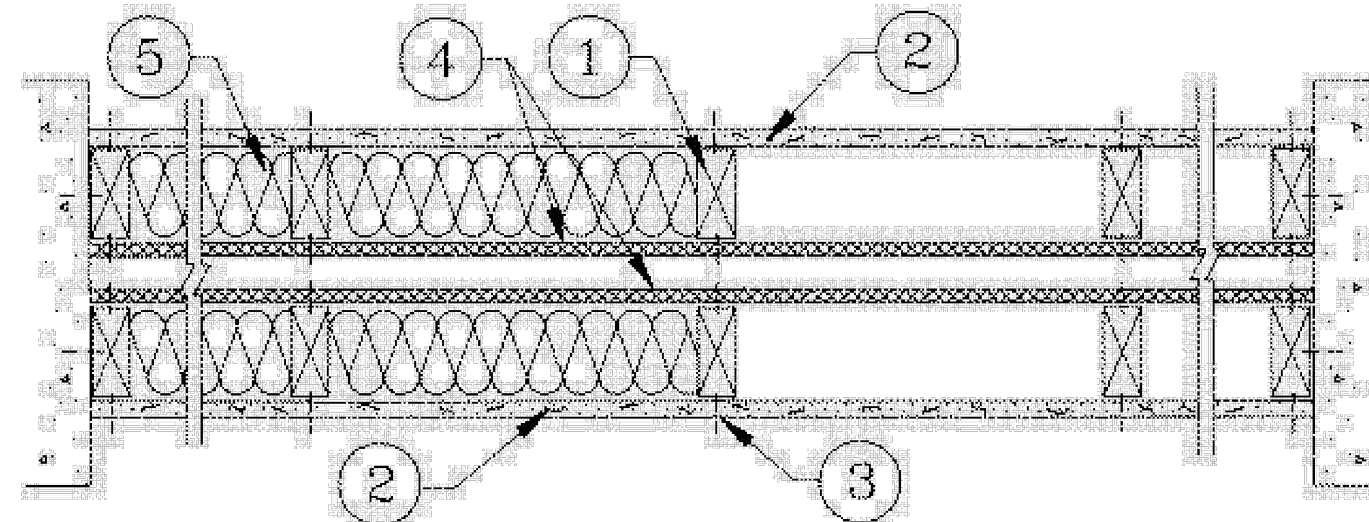
September 21, 2015

Bearing Wall Rating — 1 Hr.

Finish Rating — Min 20 min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide B XIV or B XV V7

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



HORIZONTAL SECTION

- 1. Wood Studs — Nom 2 by 4 in., spaced 24 in. OC max. Cross braced at mid-height and effectively firestopped at top and bottom of wall. No min. air space between stud rows except to accommodate attachment of sheathing, where required. See Items 4 and 5.
2. Gypsum Board\* — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. LS01, GS12 or U305. Nom 5/8 in. thick 4 ft wide Gypsum board or batt applied horizontally or vertically, unless specified below, and nailed to studs and bearing plates 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam head. As an alternate, No. 6 bugle head drywall screws, 1-7/8 in. long, may be substituted for the 6d cement coated nails.

When Steel Framing Members\* (Item 6-6B) are used, wallboard attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC.

When used in widths other than 48 in., gypsum board to be installed horizontally.

ACADIA DRYWALL SUPPLIES LTD (View Classification) — CKNX.R25370

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

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

CERTAINTEE GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C (View Classification) — CKNX.R18482

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

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

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

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

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

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

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG BORAL ZAWAWI DRYWALL L L C SFZ (View Classification) — CKNX.R38438

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

2A. Gypsum Board\* — (As an alternate to Item 2, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type S screws spaced 12 in. OC at perimeter of panels and 8 in. OC in the field. Horizontal joints of vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Screwheads covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Sprayed.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-530 (finish rating 23 min).

2B. Gypsum Board\* — (As an alternate to Item 2, not shown) - Any 5/8 in. thick gypsum panels that are eligible for use in Design Nos. LS01, GS12 or U305, supplied by the Classified companies listed below shown in the Gypsum Board\* (CKNX) category. Applied horizontally or 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. When used in widths other than 48 in., gypsum board to be installed horizontally.

CGC INC

UNITED STATES GYPSUM CO

USG MEXICO S A DE C V

2C. Gypsum Board\* — (As an alternate to Item 2, not shown) - 5/8 in. thick gypsum panels applied horizontally or 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. When used in widths other than 48 in., gypsum board to be installed horizontally.

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C

CERTAINTEE GYPSUM INC — Type C, Type X or Type X-1

THAI GYPSUM PRODUCTS PCL — Type C or Type X

2D. Gypsum Board\* — (As an alternate to Items 2, 2A, 2B and 2C) — 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 as described in Item 2. When used in widths other than 48 in., gypsum boards are to be installed horizontally.

GEORGIA-PACIFIC GYPSUM L L C — GreenGlass Type X, Type DGG.

2E. Gypsum Board\* — (As an alternate to Items 2 through 2D) - 5/8 in. thick, 4 ft. wide, paper surfaced applied vertically only and secured as described in Item 2.

GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deading Gypsum Board.

wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC. Not for use with item #6.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

2G. Gypsum Board\* — (As an alternate to Items 2 through 2F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock ES.

2H. Gypsum Board\* — (As an alternate to Items 2 through 2G) - Installed as described in Item 2. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC. Not for use with item #6.

CERTAINTEE GYPSUM INC — Type SilentFX

2I. Wall and Partition Facings and Accessories\* — (As an alternate to Items 2 through 2H) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527.

2J. Gypsum Board\* — (As an alternate to 5/8 in. Type FSW in Item 2) - 2 layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal joints on the same side need not be staggered. Inner layer attached with fasteners, as described in item 2, spaced 24 in. OC. Outer layer attached per Item 2.

NATIONAL GYPSUM CO — Type FSW.

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

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3. Joints and Nailheads — Gypsum board joints of outer layer covered with tape and joint compound. Nail heads of outer layer covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced with paper tape.

4. Sheathing — (Optional) — Septum may be sheathed with min 7/16 in. thick wood structural panels min grade "C-D" or "Sheathing" or min 1/2 in. thick Mineral and Fiber Boards\*.

See Mineral and Fiber Boards (CERZ) category for names of Classified companies.

5. Batts and Blankets\* — 3-1/2 in. max thickness glass or mineral fiber batt insulation. Optional when sheathing (Item 4) is used on both halves of wall.

See Batts and Blankets (BZJZ) category for list of Classified companies.

5A. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735 & INS745 for use with wet or dry application. INS510LD, INS515LD, INS541LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only.

5B. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 5) and Item 5A when Sheathing (Item 4) is used on both halves of wall — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

5C. Batts and Blankets\* — (Required for use with Wall and Partition Facings and Accessories, Item 2A. Use of Sheathing, Item 4, does not nullify requirement of Item 5C for use with Item 2A) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers.

5D. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 5) and Item 5A when Sheathing (Item 4) is used on both halves of wall — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

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, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. 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. Wallboard attached to furring channels as described in Item 2.

B. Steel Framing Members\* — Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75).

6A. 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 a) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

PLITEQ INC — Type Genie Clip

6B. Steel Framing Members — (Optional, Not Shown)\* — Furring channels and resilient sound isolation clip as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 2. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

b. Steel Framing Members\* — Resilient sound isolation clip used to attach furring channels (Item 6Ba) to studs. Clips spaced 24 in. OC, and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

7. 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-500 or 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.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

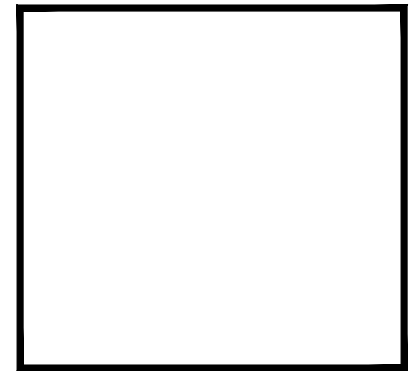
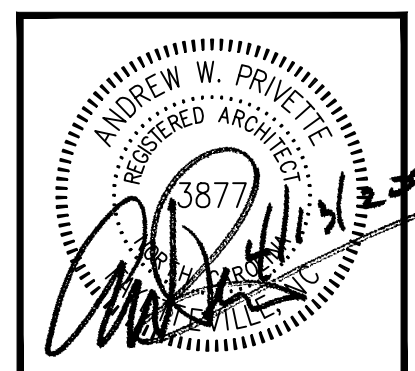
8. Non-Bearing Wall Partition Intersection — (Optional) Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC, vertically.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

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

Last Updated on 2015-09-21



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FAIRWAY POINTE at ANDERSON CREEK CLUB
THREE-STORY, TEN-UNIT BUILDING
GALLERY DRIVE, BUILDING
SPRING LAKE, NORTH CAROLINA 28390

Table with columns for PERMIT, DATE, DESCRIPTION, MARK, and CHECK.

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SHEET TITLE:
FIRE RATED
UL-U341 WALL
SEPARATION ASSEMBLY

G-106
SHEET 6 OF 6

A1 1-HR SEPARATION WALL UL NO. U341 ASSEMBLY
SCALE: NTS

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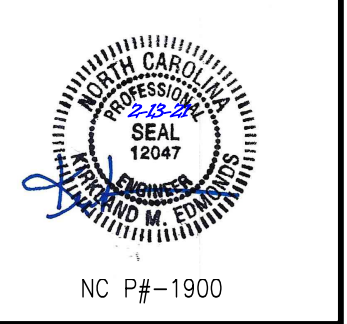




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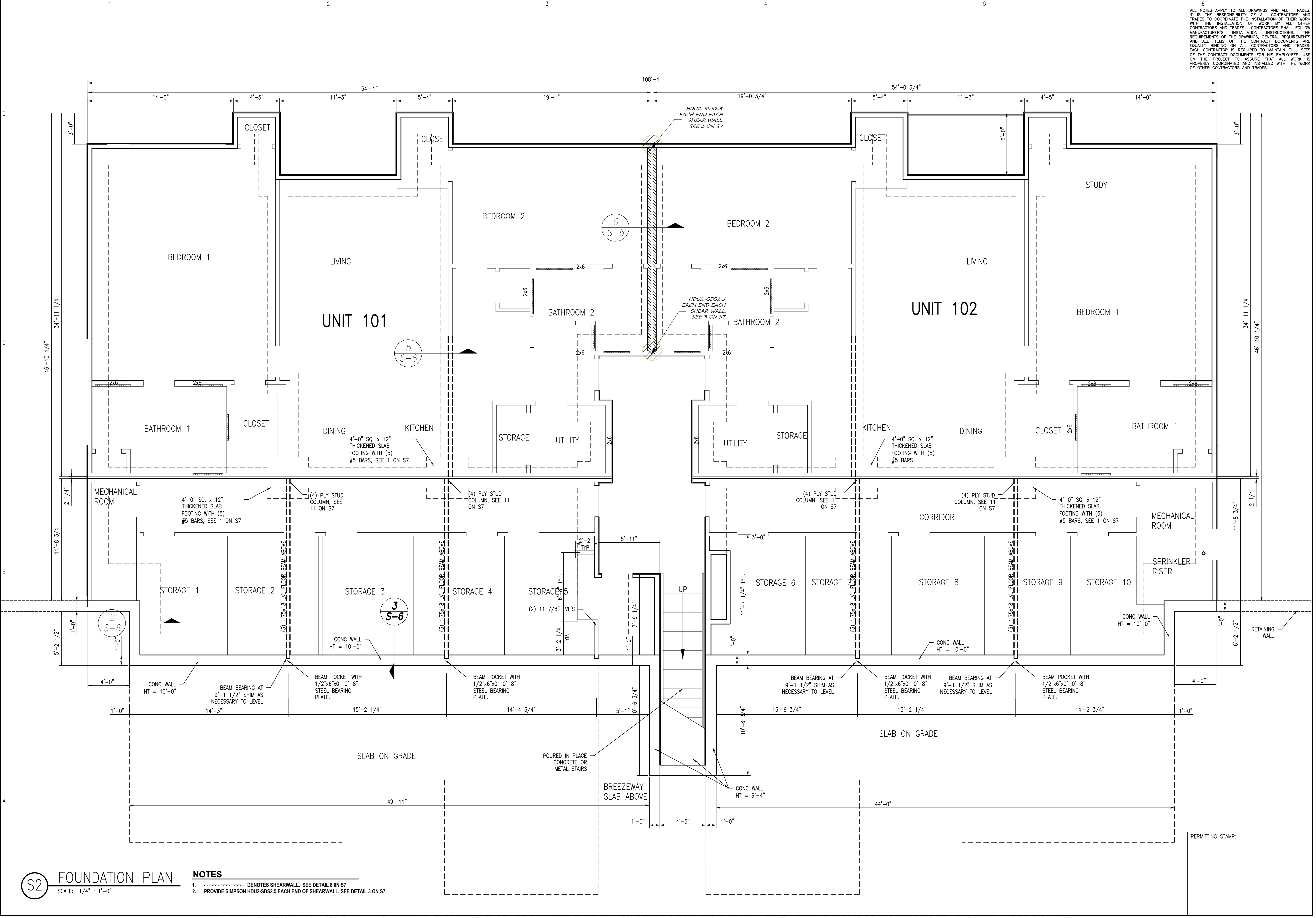
FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING  
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK
1	4-12-21	ORIGINAL ISSUE	KME	
2				
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SHEET TITLE:  
**FOUNDATION PLAN**

**S-2**  
 SHEET 2 OF 7



**S2 FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"

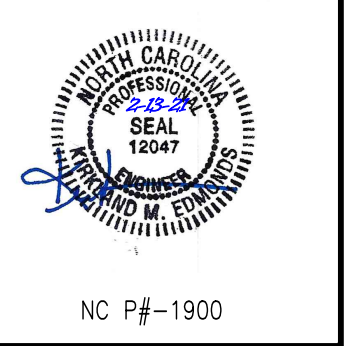
- NOTES**
1. ----- DENOTES SHEARWALL. SEE DETAIL 8 ON S7.
  2. PROVIDE SIMPSON HDU2-SDS2.5 EACH END OF SHEARWALL. SEE DETAIL 3 ON S7.

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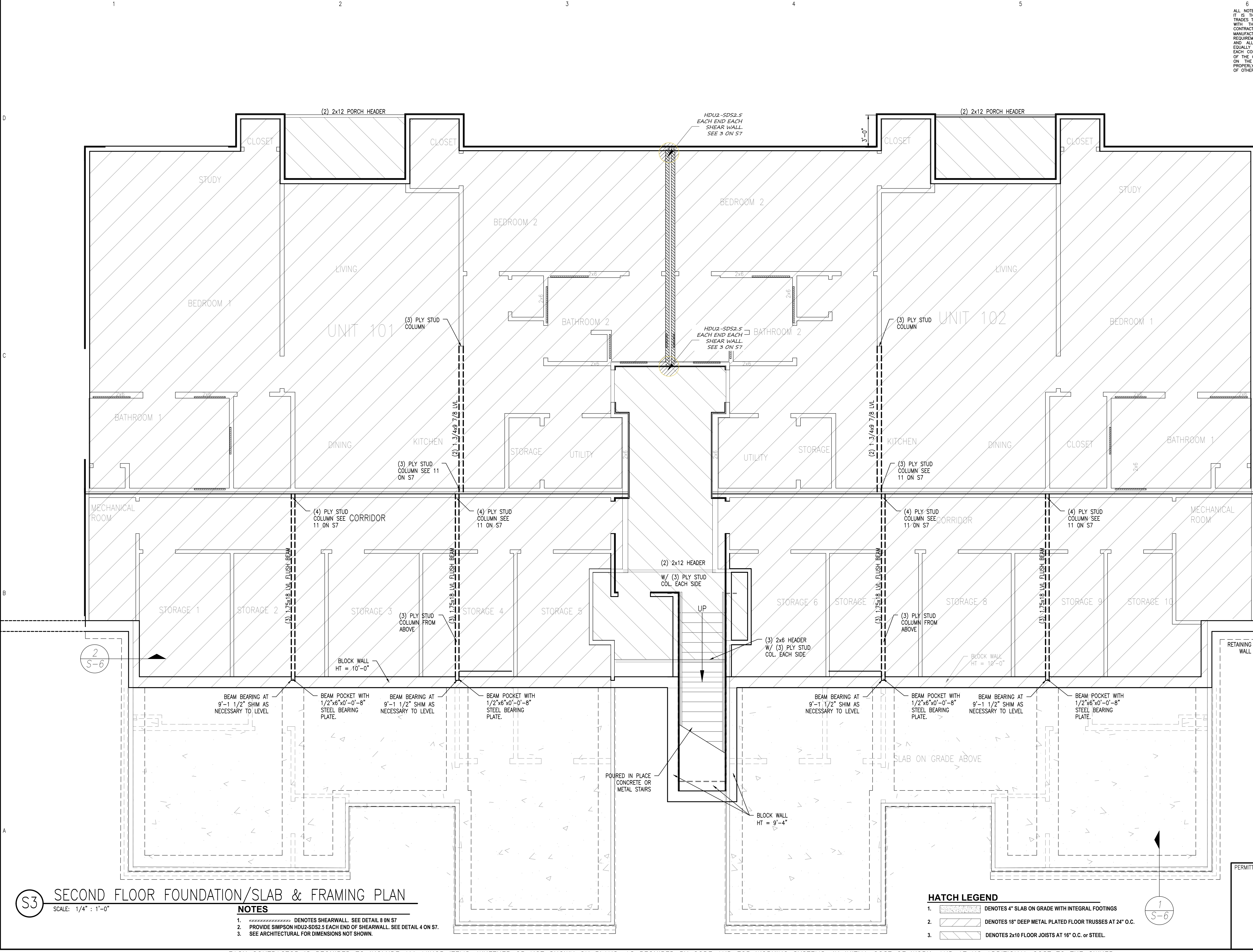
FAIRWAY POINTE at ANDERSON CREEK CLUB  
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SHEET TITLE:  
**SECOND FLOOR FND  
 SLAB & FRAMING PLAN**

**S-3**  
 SHEET 3 OF 7



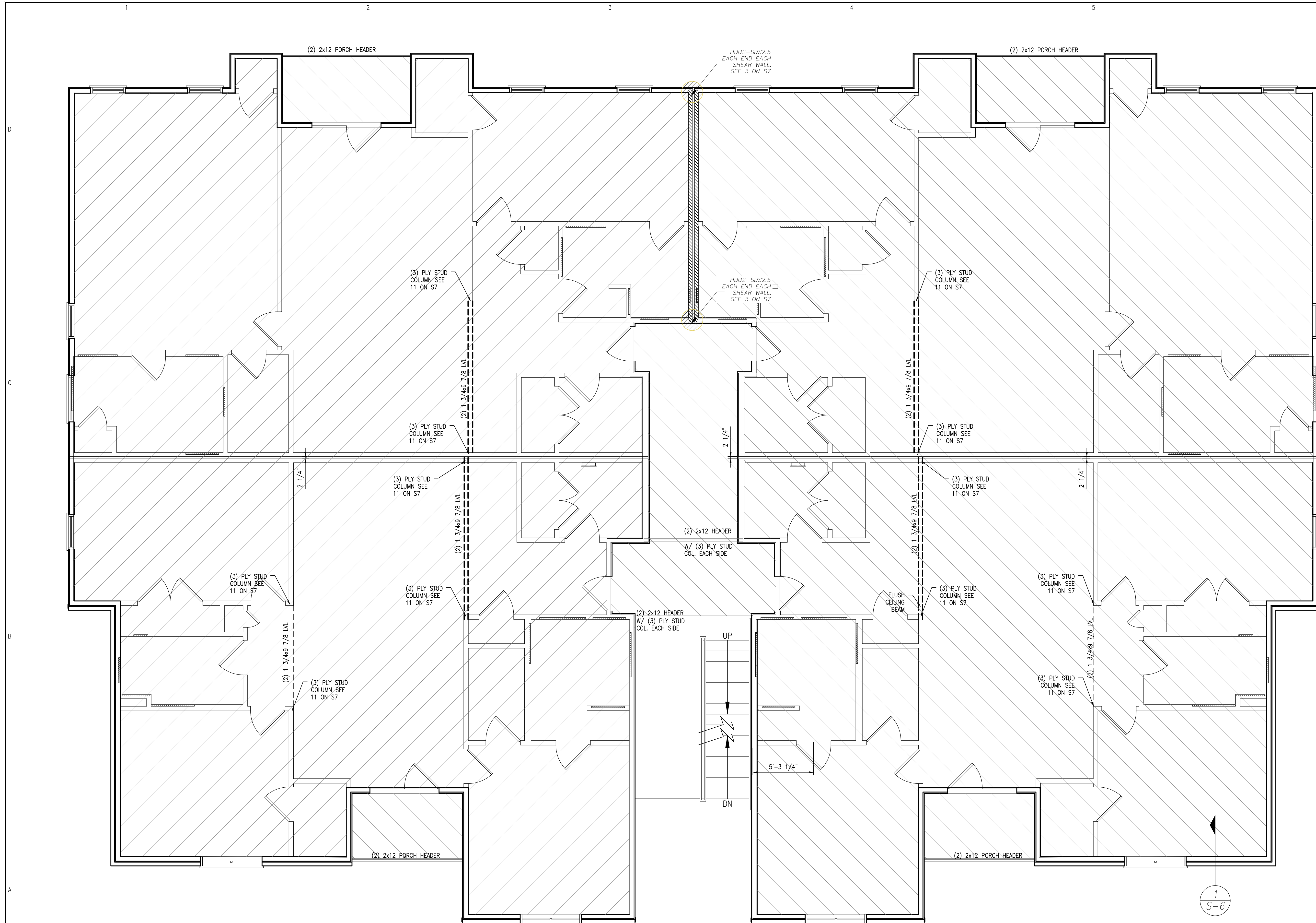
**S3 SECOND FLOOR FOUNDATION/SLAB & FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

- NOTES**
1. DENOTES SHEARWALL. SEE DETAIL 8 ON S7
  2. PROVIDE SIMPSON HDU2-SDS2.5 EACH END OF SHEARWALL. SEE DETAIL 4 ON S7.
  3. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.

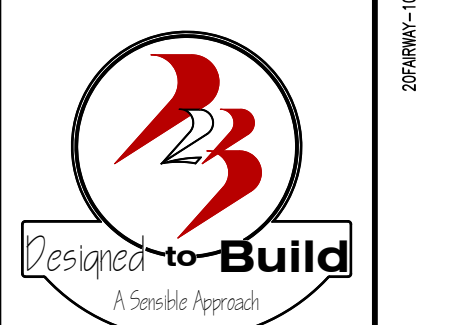
- HATCH LEGEND**
1. DENOTES 4" SLAB ON GRADE WITH INTEGRAL FOOTINGS
  2. DENOTES 18" DEEP METAL PLATED FLOOR TRUSSES AT 24" O.C.
  3. DENOTES 2x10 FLOOR JOISTS AT 16" O.C. OR STEEL.

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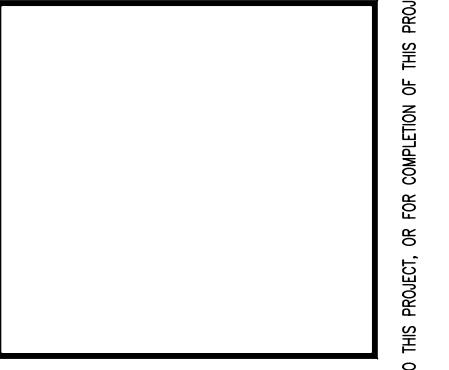
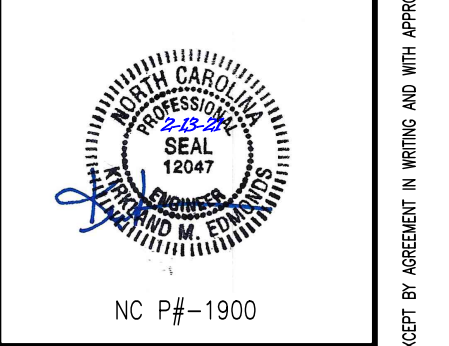




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**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING  
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SHEET TITLE:  
**THIRD FLOOR FRAMING PLAN**

**S-4**  
 SHEET 4 OF 7

**S4 THIRD FLOOR FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

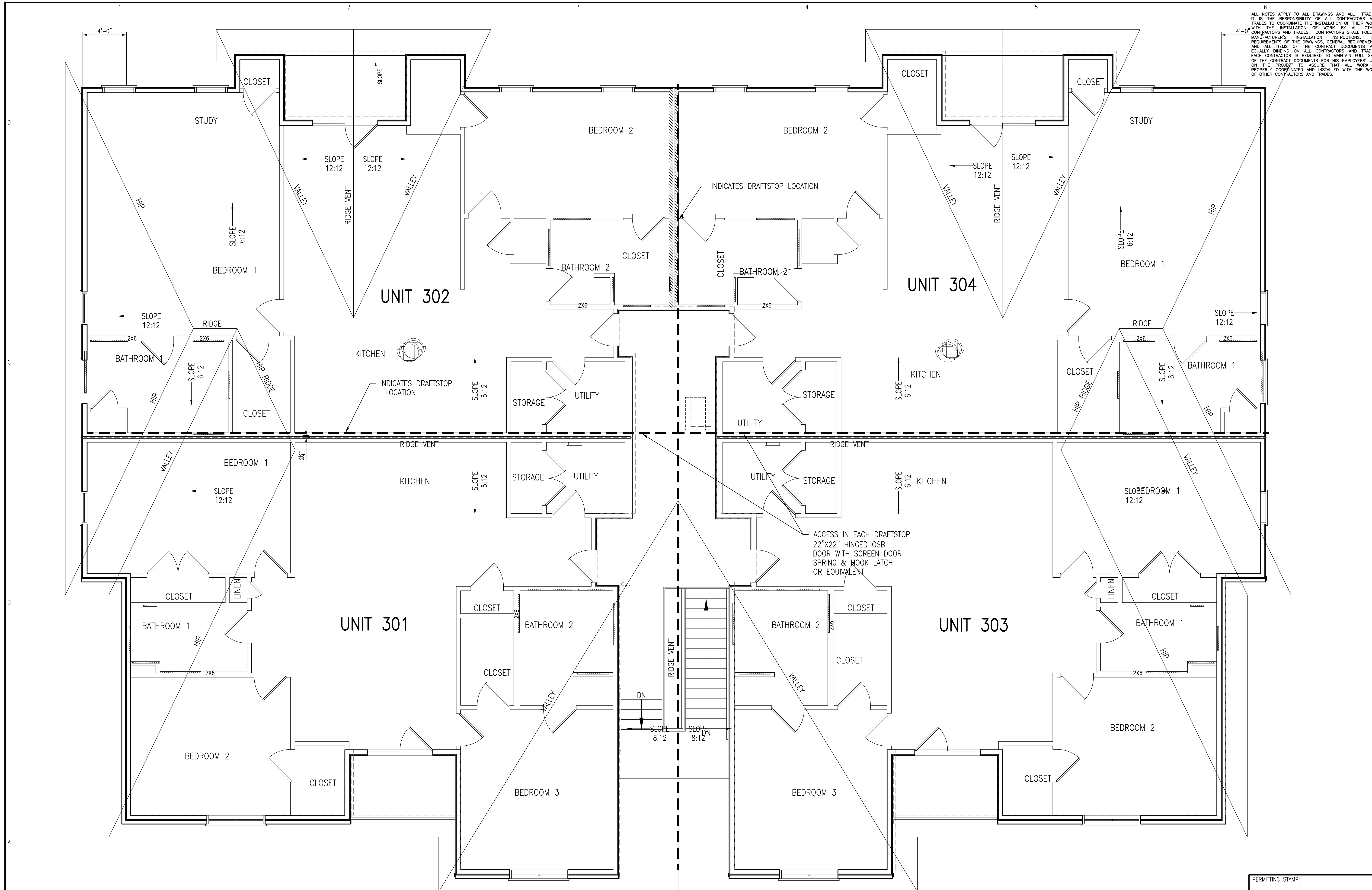
- NOTES**
1. DENOTES SHEARWALL. SEE DETAIL 8 ON S7.
  2. PROVIDE SIMPSON HDU2-SDS2.5 EACH END OF SHEARWALL. SEE DETAIL 4 ON S7.

- HATCH LEGEND**
1. DENOTES 18" DEEP METAL PLATED FLOOR TRUSSES AT 24" O.C.
  2. DENOTES 2x10 FLOOR JOISTS AT 16" O.C. OR STEEL.

PERMITTING STAMP:

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**S5** ROOF FRAMING PLAN  
SCALE: 1/4" = 1'-0"

- NOTES**
1. DENOTES SHEARWALL. SEE DETAIL 8 ON S7
  2. PROVIDE METAL PLATED ROOF TRUSSES TO CONFORM TO ROOF PLAN AS SHOWN

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**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING  
SPRING LAKE, NORTH CAROLINA 28390

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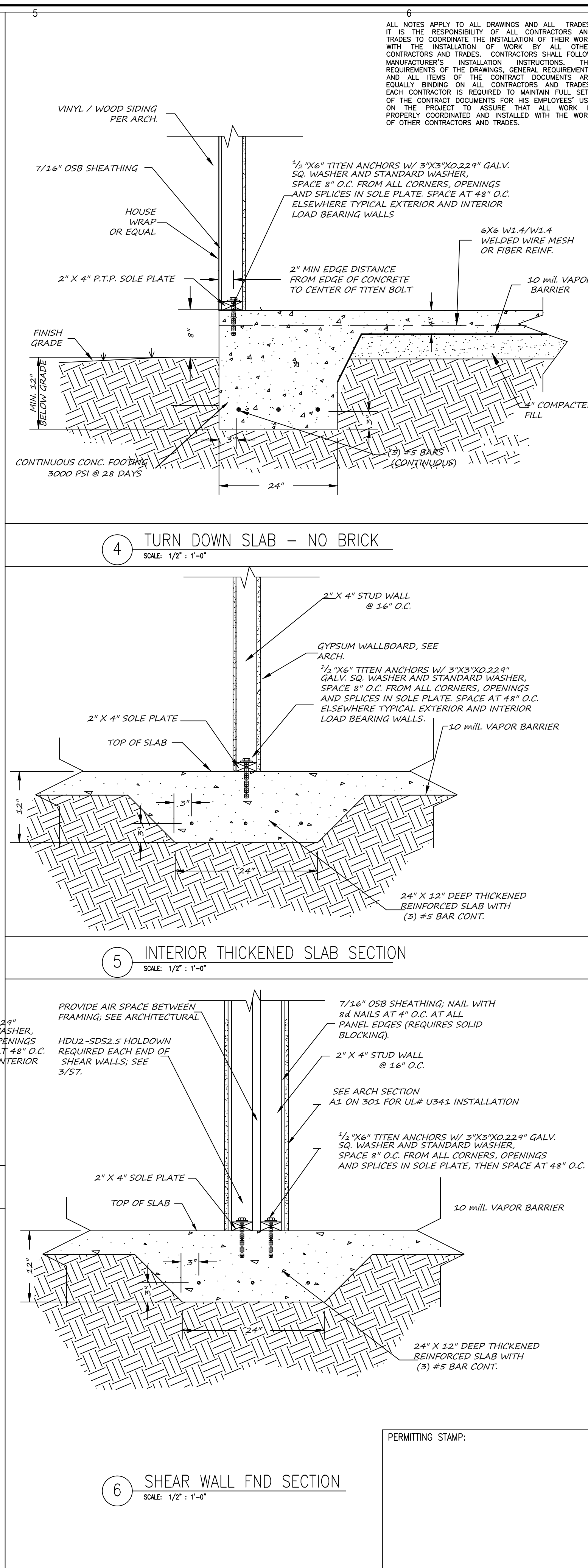
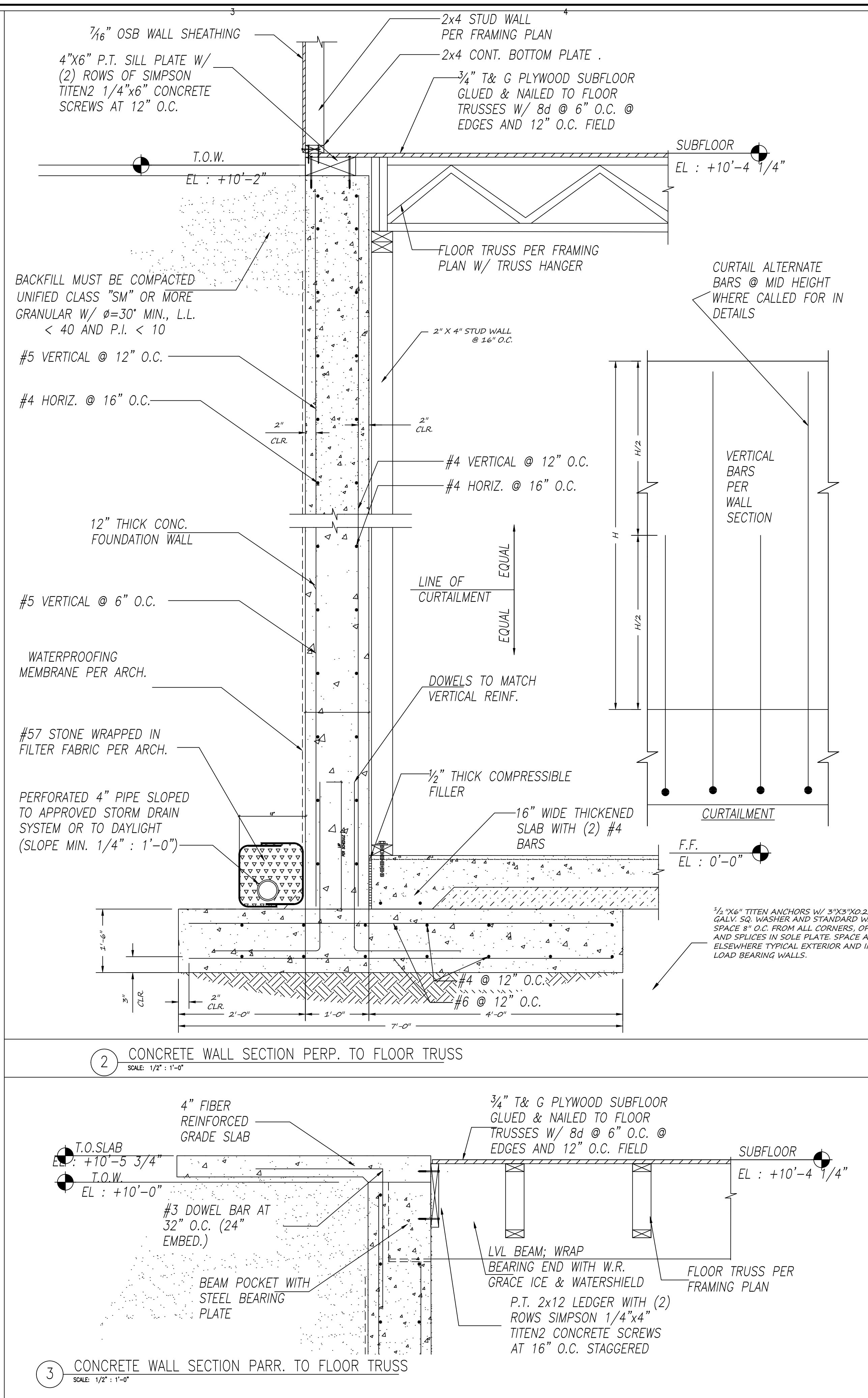
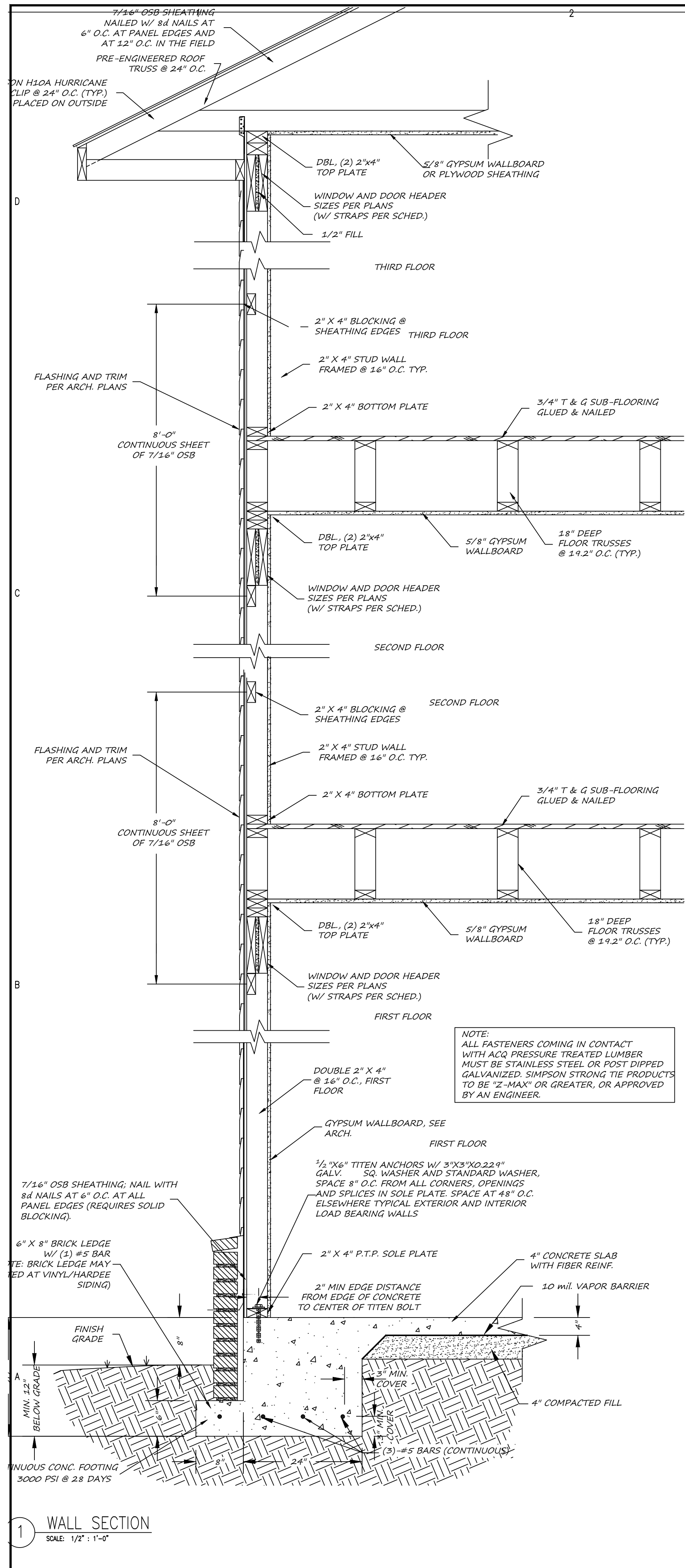
SHEET TITLE:  
**ROOF FRAMING PLAN**

**S-5**  
SHEET 5 OF 7

PERMITTING STAMP:

20FAIRWAY-10

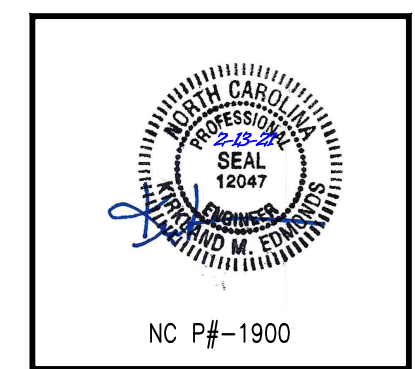




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NC P#-1900

FAIRWAY POINTE at ANDERSON CREEK CLUB  
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SPRING LAKE, NORTH CAROLINA 28390

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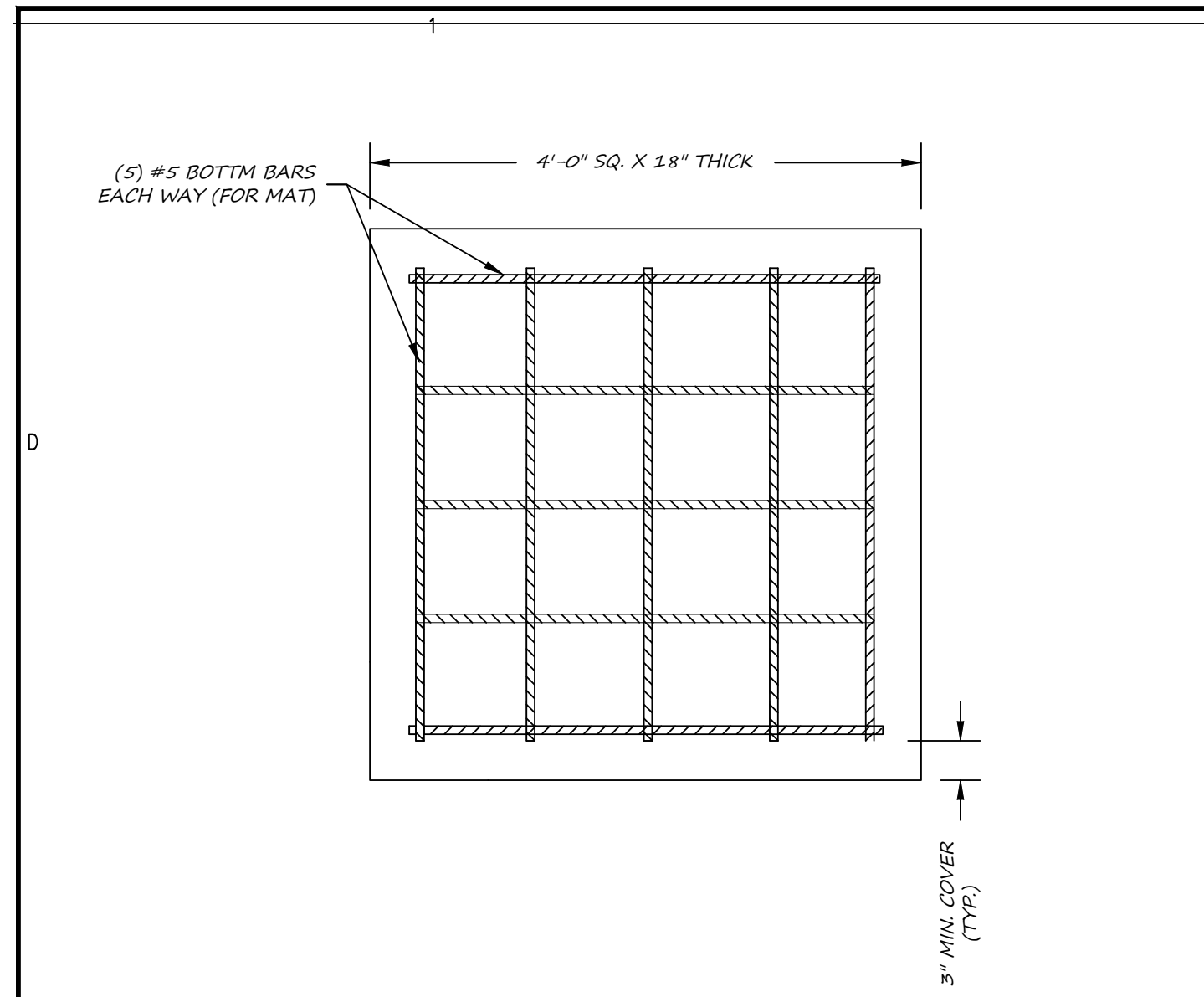
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SHEET TITLE:  
STRUCTURAL DETAILS

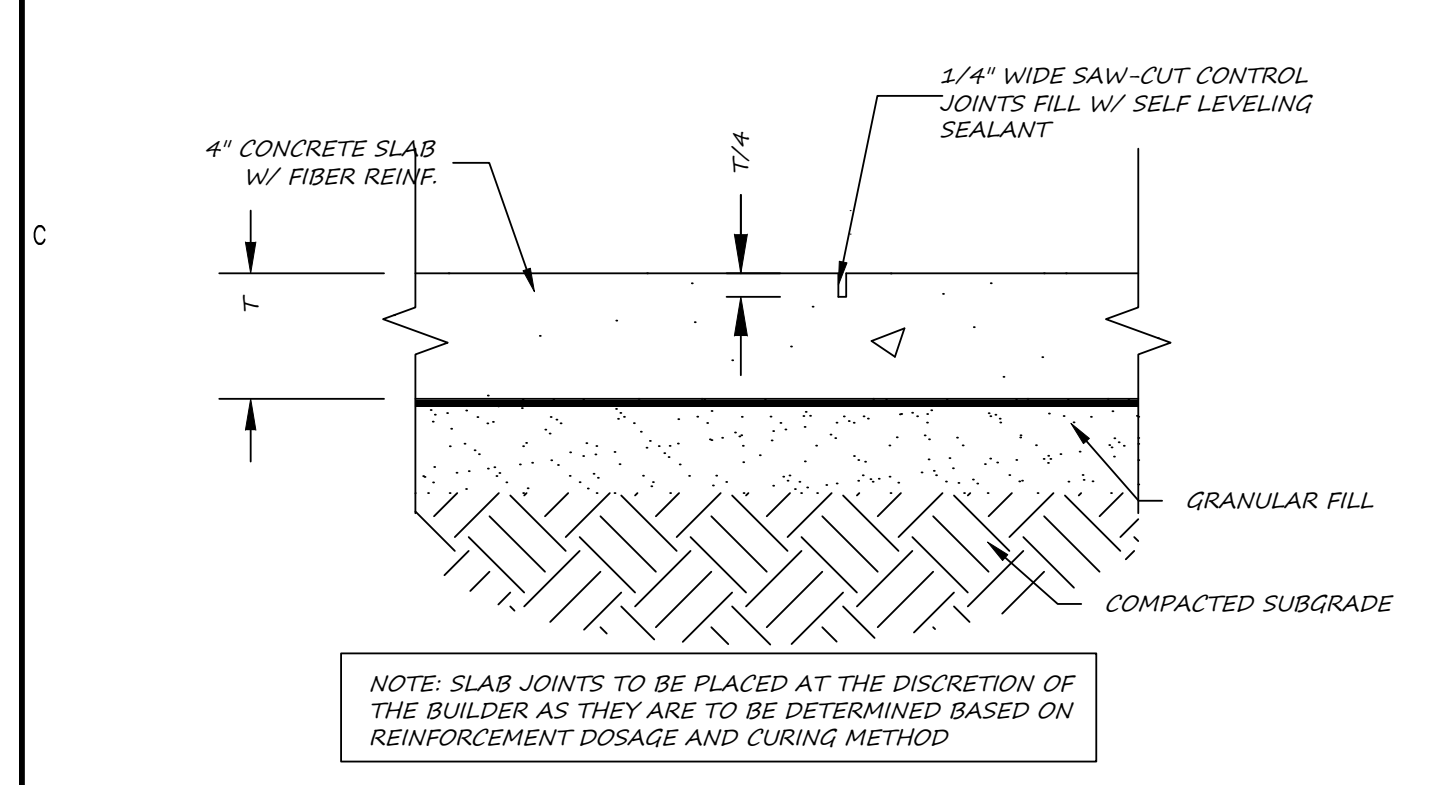
S-6  
SHEET 6 OF 7

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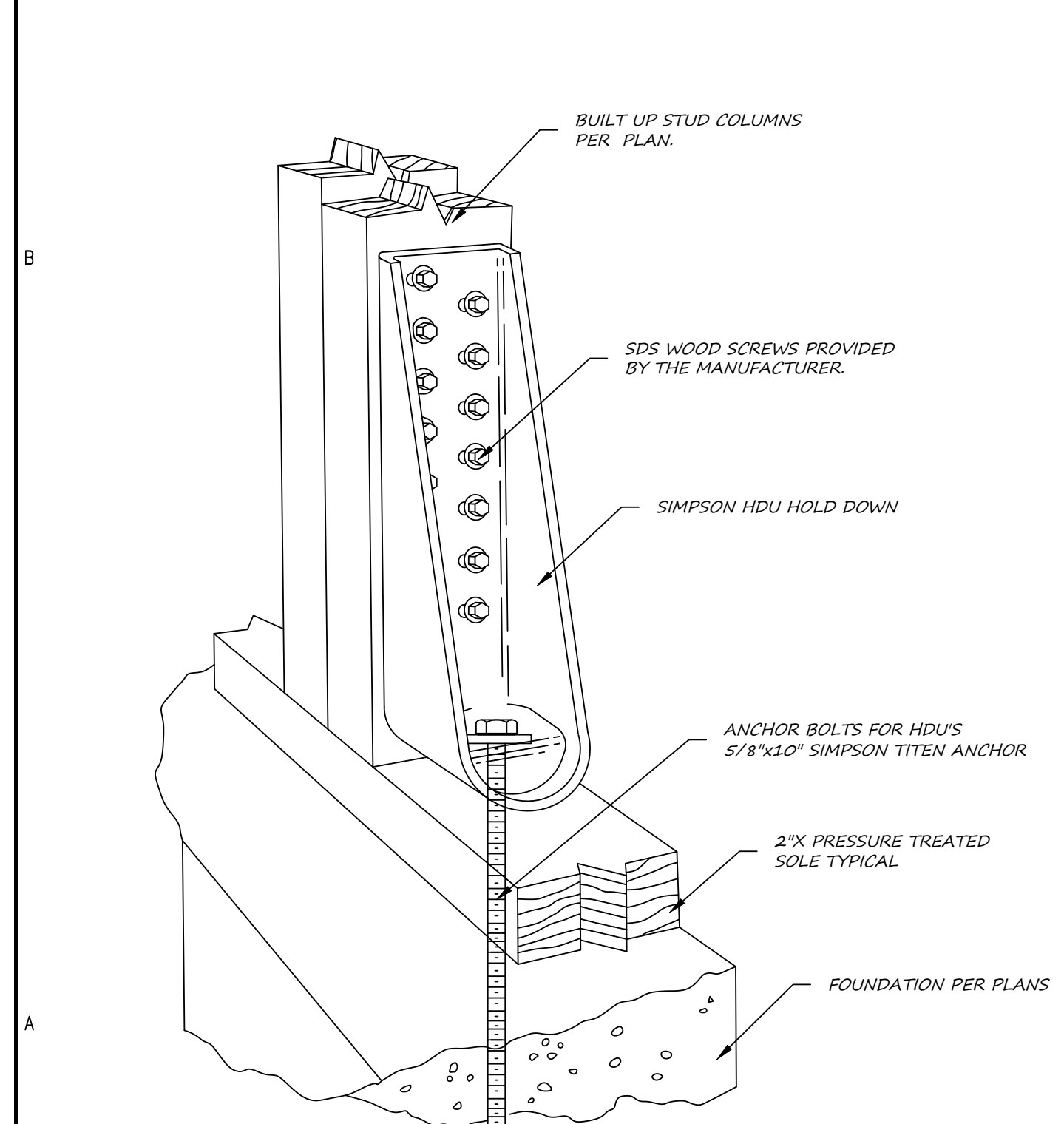




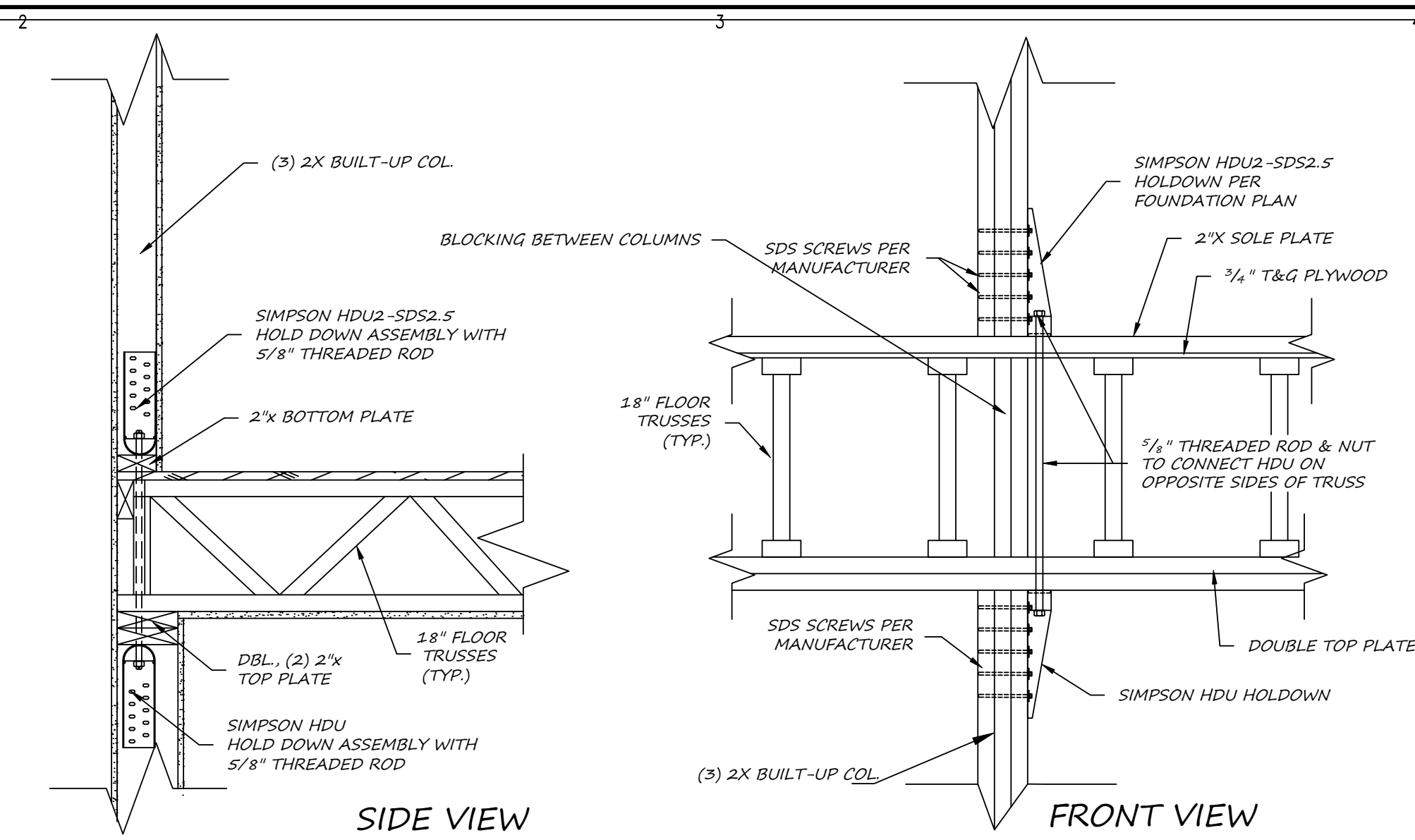
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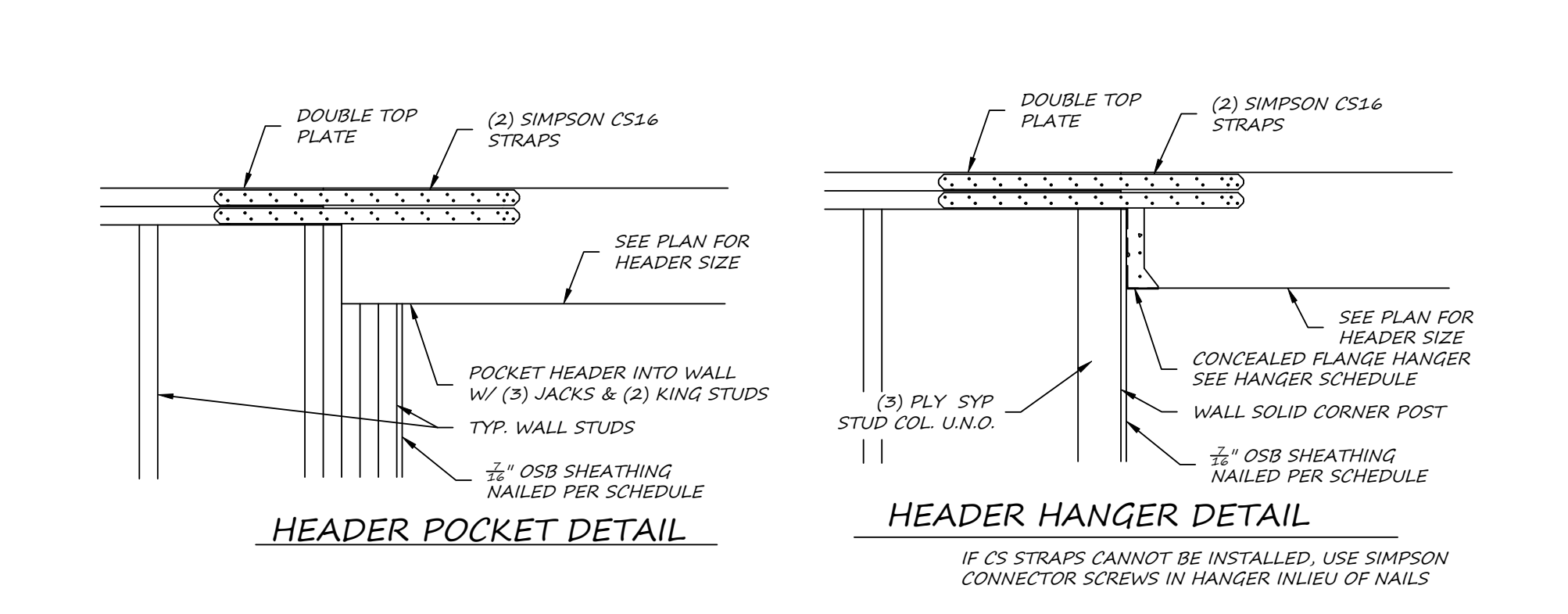
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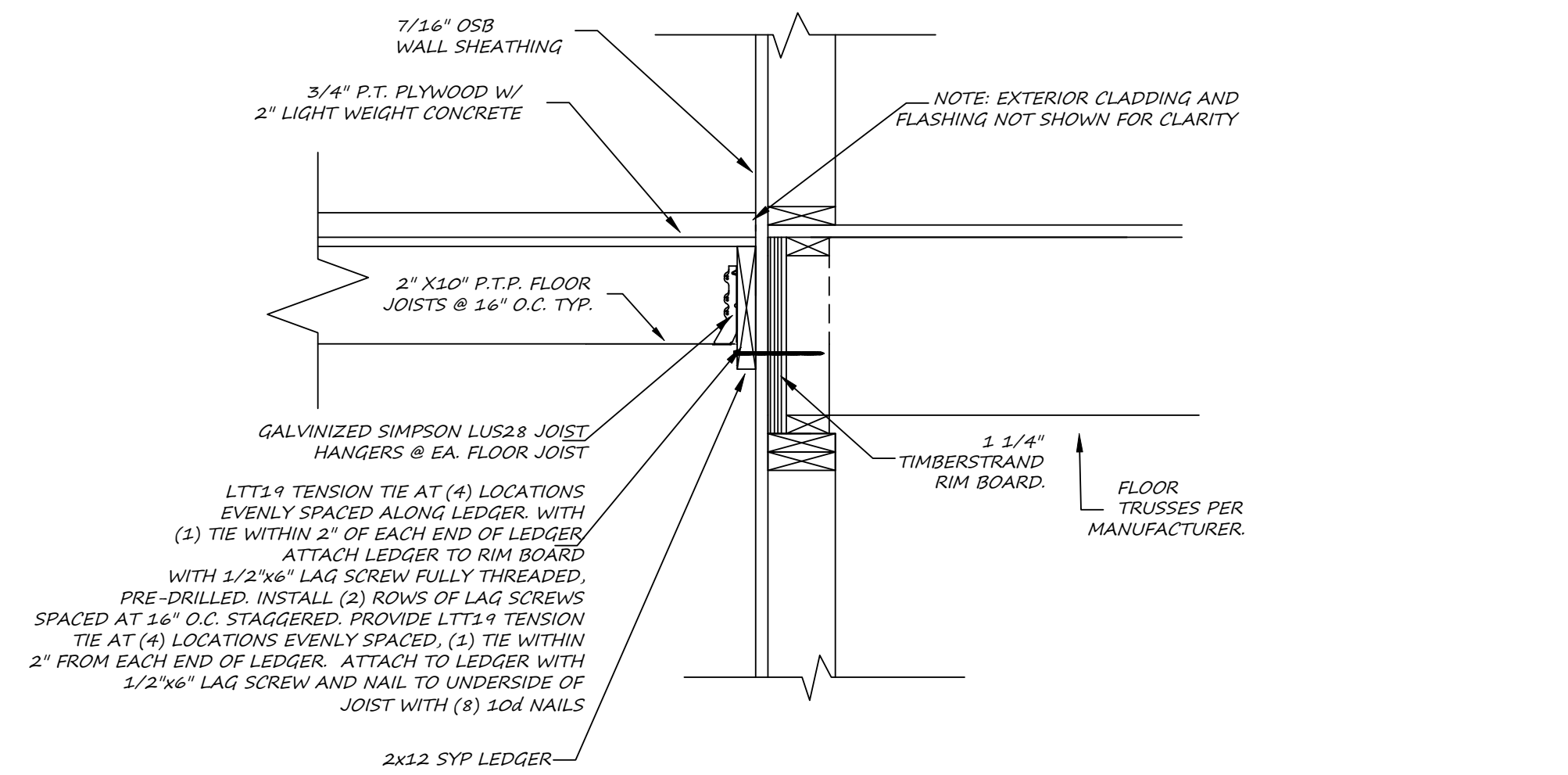
3 SHEAR WALL HOLDDOWN DETAIL  
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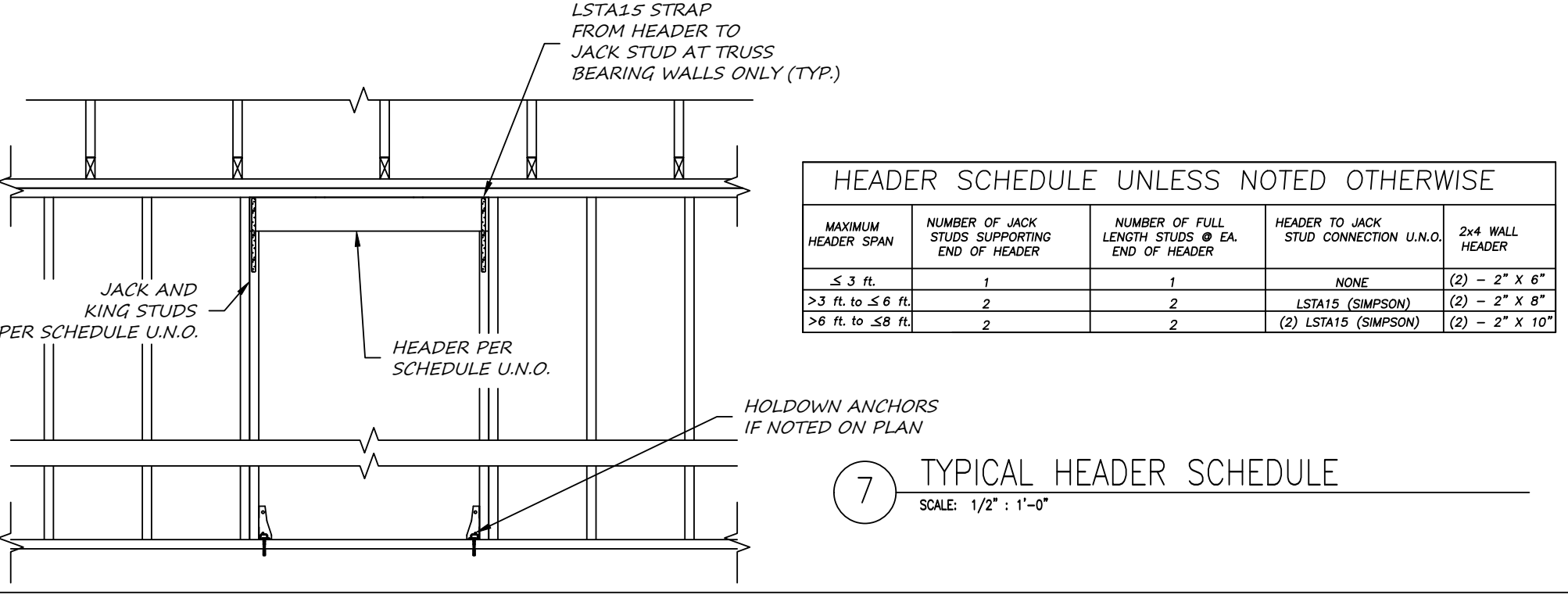
4 SHEARWALL HOLDDOWN FLOOR TO FLOOR  
SCALE: 1/2" : 1'-0"



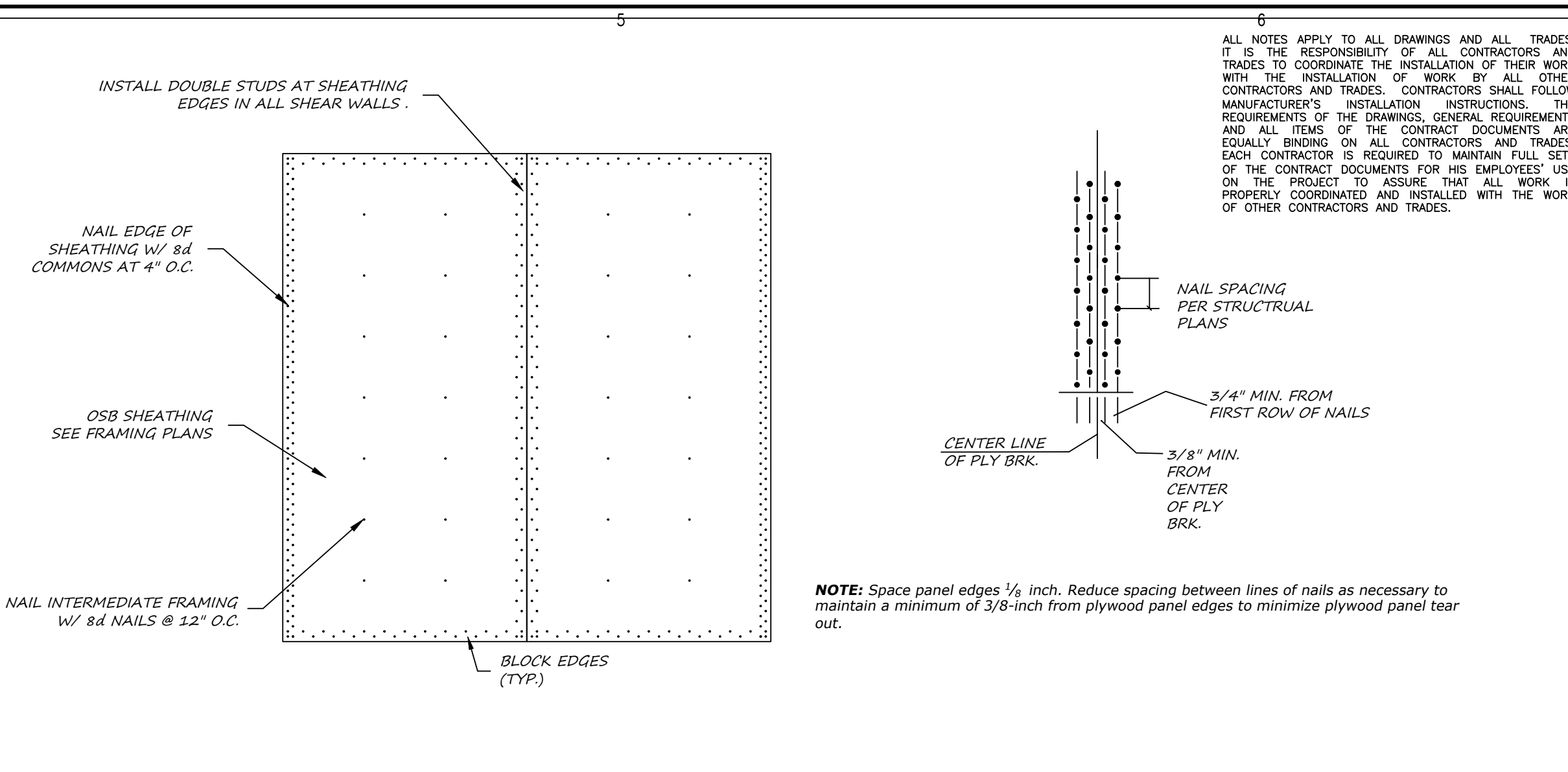
5 PORCH HEADER CONNECTION DETAILS  
SCALE: 1/2" : 1'-0"



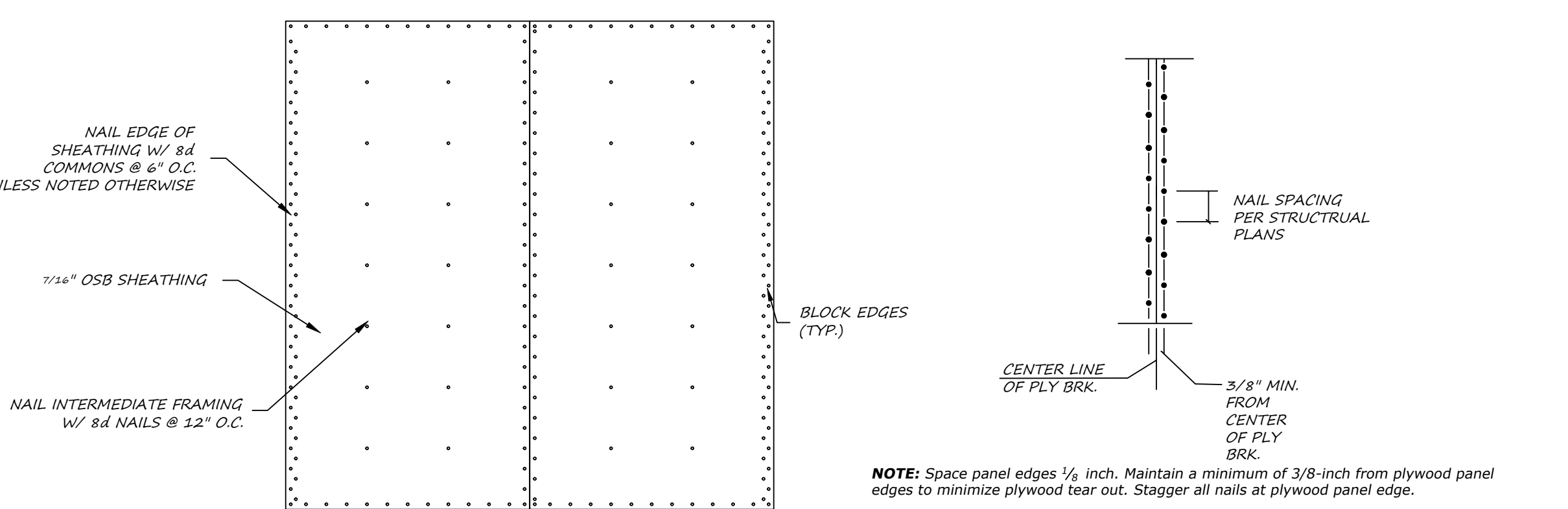
6 LEDGER CONNECTION AT PORCH  
SCALE: 1/2" : 1'-0"



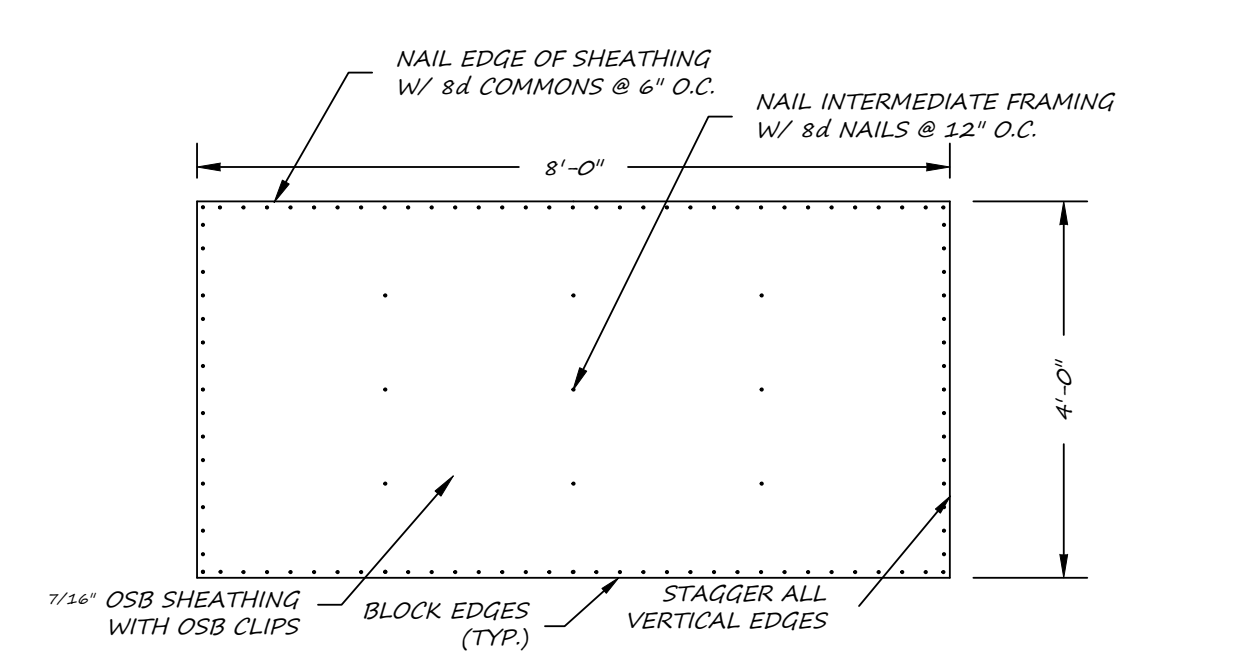
7 TYPICAL HEADER SCHEDULE  
SCALE: 1/2" : 1'-0"



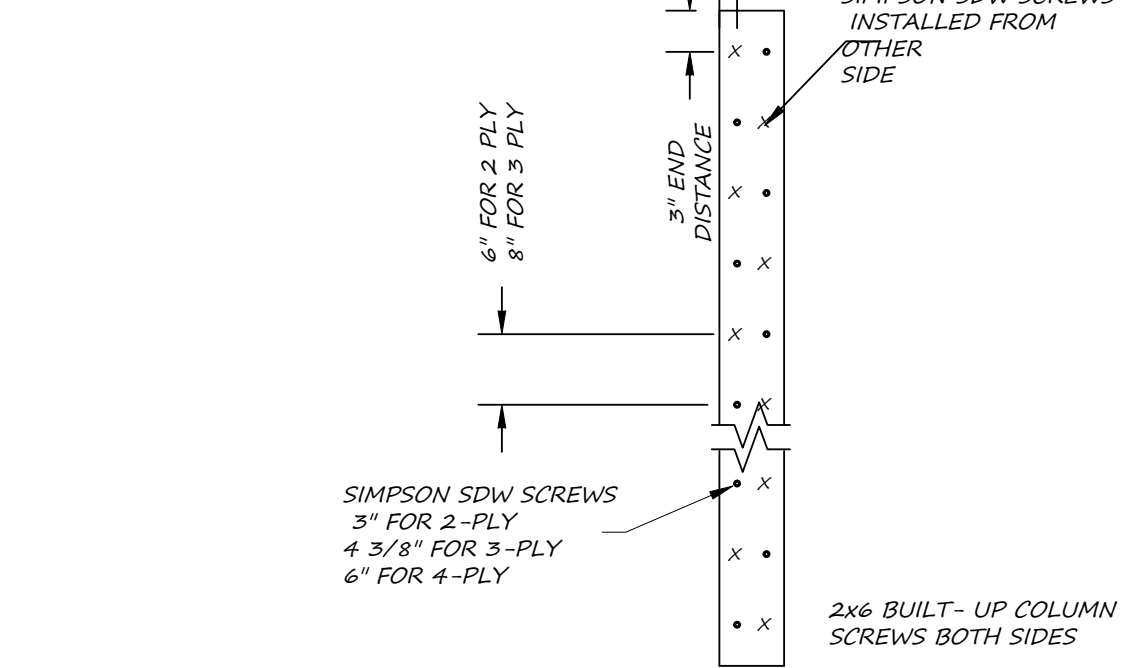
8 SHEARWALL NAILING DETAIL  
SCALE: 1/2" : 1'-0"



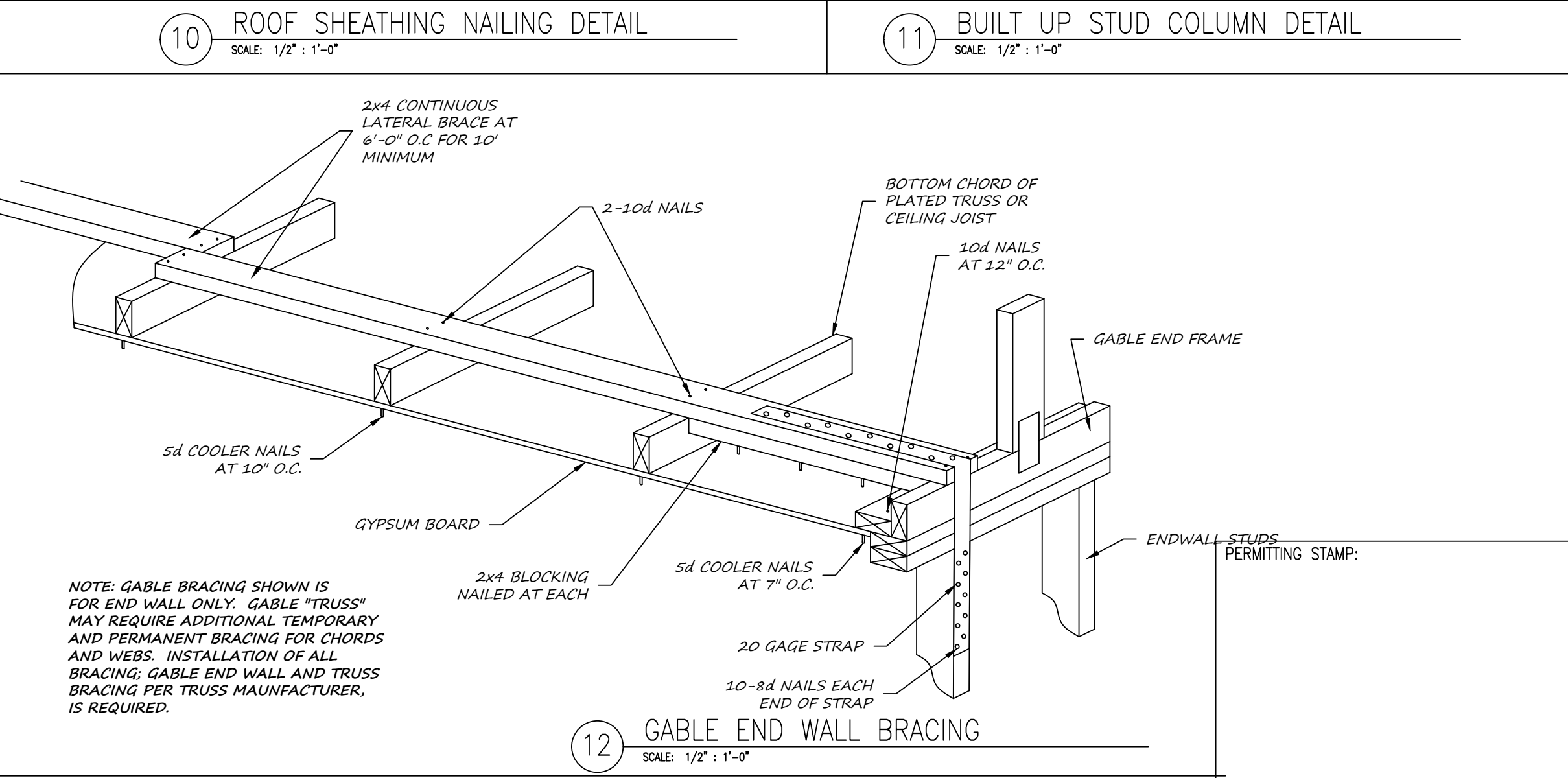
9 EXTERIOR WALL NAILING DETAIL  
SCALE: 1/2" : 1'-0"



10 ROOF SHEATHING NAILING DETAIL  
SCALE: 1/2" : 1'-0"

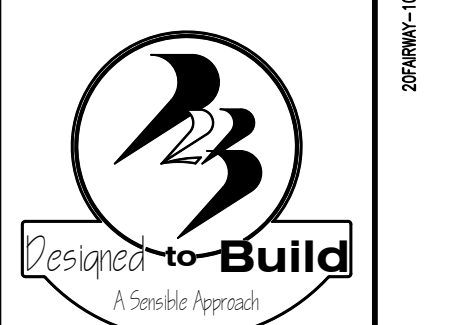


11 BUILT UP STUD COLUMN DETAIL  
SCALE: 1/2" : 1'-0"

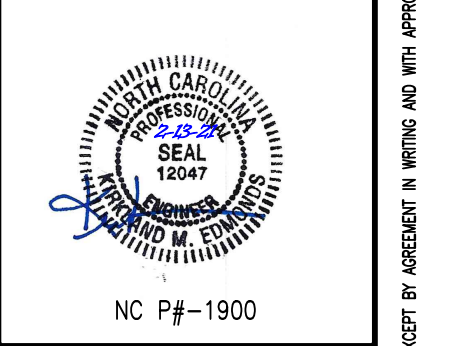


12 GABLE END WALL BRACING  
SCALE: 1/2" : 1'-0"

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FAIRWAY POINTE at ANDERSON CREEK CLUB  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING  
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHK

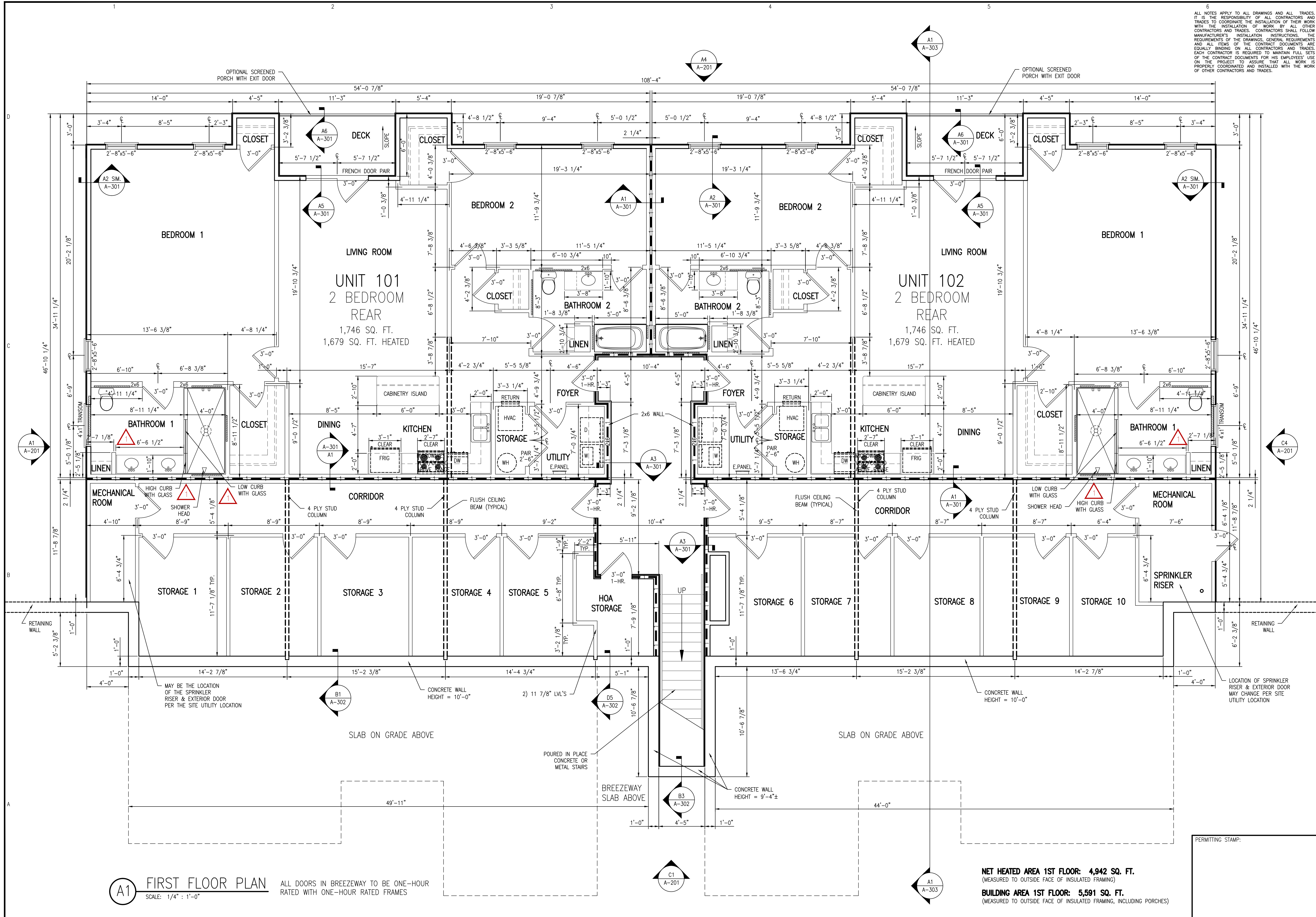
JOB CODE: 20FAIRWAY-10  
DRAWN BY: KME  
CHECKED BY: K. EDMONDS  
COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:  
STRUCTURAL DETAILS

S-7  
SHEET 7 OF 7

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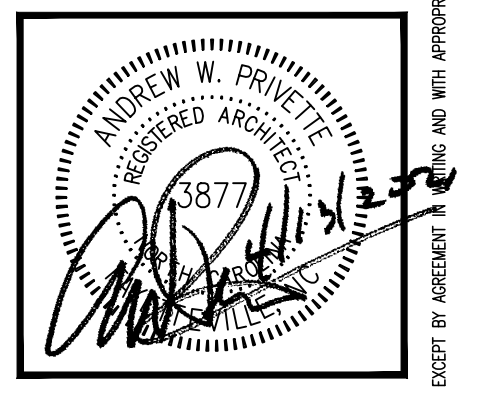




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**Designed to Build**  
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**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING —  
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK
1	11-30-22	ISSUE DRAWING FOR OWNER'S REVIEW	AWP	
2	11-30-22	PERMIT	AWP	
3	11-30-22	ISSUE DRAWING FOR OWNER'S REVIEW	AWP	
4	11-30-22	PERMIT	AWP	

JOB CODE: 20FAIRWAY-10  
DRAWN BY: S.S.TOPE  
CHECKED BY: A. PRIVETTE  
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SHEET TITLE:  
**FIRST FLOOR  
DIMENSION PLAN**  
UPDATED 11-30-2022

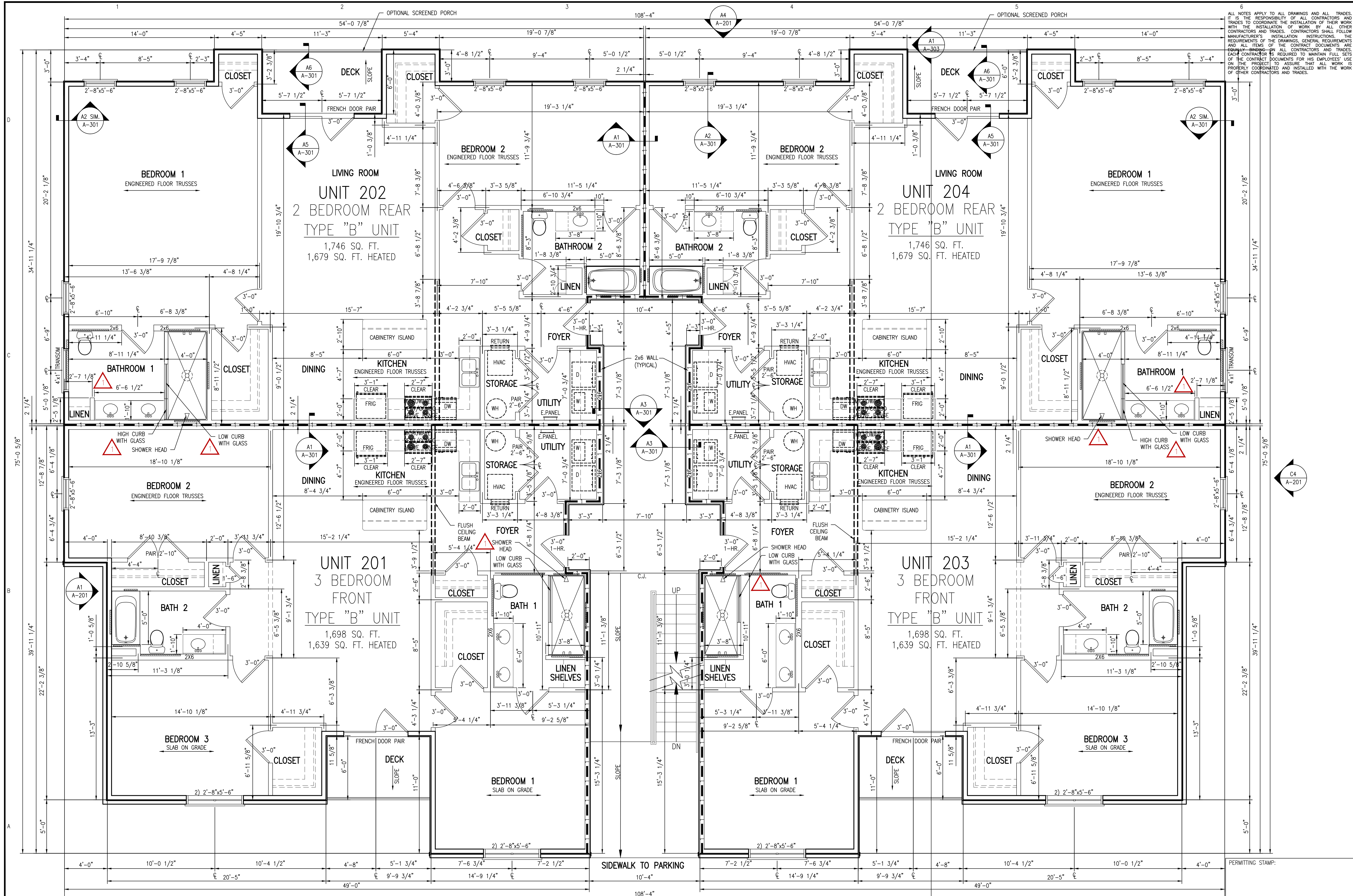
**A-101**  
SHEET 1 OF 8

**A1 FIRST FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
ALL DOORS IN BREEZEWAY TO BE ONE-HOUR RATED WITH ONE-HOUR RATED FRAMES

**NET HEATED AREA 1ST FLOOR: 4,942 SQ. FT.**  
(MEASURED TO OUTSIDE FACE OF INSULATED FRAMING)  
**BUILDING AREA 1ST FLOOR: 5,591 SQ. FT.**  
(MEASURED TO OUTSIDE FACE OF INSULATED FRAMING, INCLUDING PORCHES)

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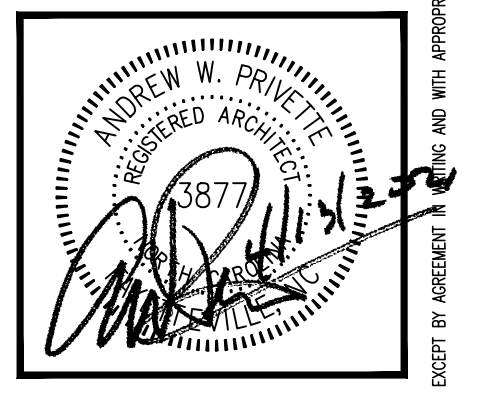




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FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING —  
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK
1	11-30-2022	ISSUED PERMITTED FOR CLIENT'S REVIEW	AWP	AWP
2	11-30-2022	PERMIT - CONSTRUCTION SET	AWP	AWP

JOB CODE: Z0FAIRWAY-10  
 DRAWN BY: S.S.TOPE  
 CHECKED BY: A. PRIVETTE  
 COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:  
 SECOND FLOOR  
 DIMENSION PLAN  
 ACCESSIBLE LEVEL  
 UPDATED 11-30-2022

**A-102**  
 SHEET 2 OF 8

**A1 SECOND FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

ALL DOORS IN BREEZEWAY TO BE ONE-HOUR RATED WITH ONE-HOUR RATED FRAMES

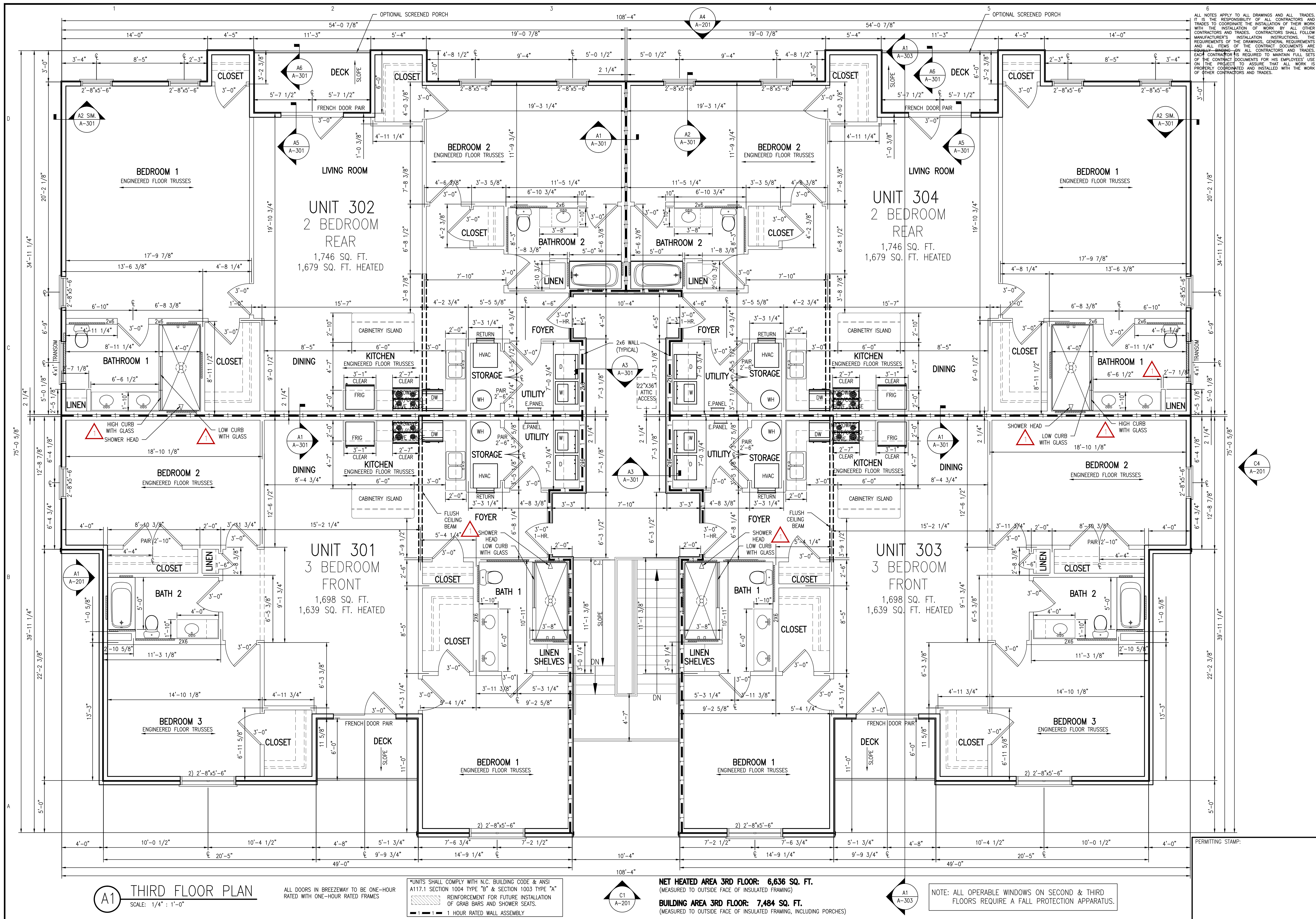
\*UNITS SHALL COMPLY WITH N.C. BUILDING CODE & ANSI A117.1 SECTION 1004 TYPE "B" & SECTION 1003 TYPE "A" REINFORCEMENT FOR FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS.

NET HEATED AREA 2ND FLOOR: 6,636 SQ. FT. (MEASURED TO OUTSIDE FACE OF INSULATED FRAMING)  
 BUILDING AREA 2ND FLOOR: 7,484 SQ. FT. (MEASURED TO OUTSIDE FACE OF INSULATED FRAMING, INCLUDING PORCHES)

NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.

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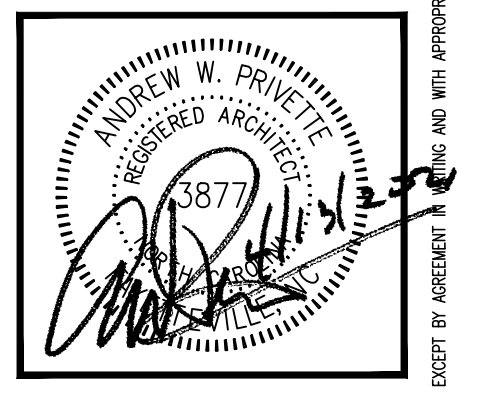




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**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING —  
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHK

JOB CODE: Z0FAIRWAY-10  
DRAWN BY: S.S.TOPE  
CHECKED BY: A. PRIVETTE  
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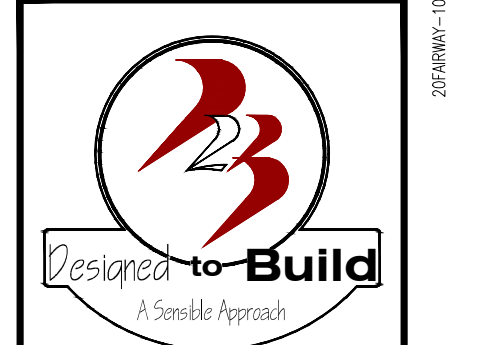
SHEET TITLE:  
**THIRD FLOOR DIMENSION PLAN**  
UPDATED 11-30-2022

**A-103**  
SHEET 3 OF 8

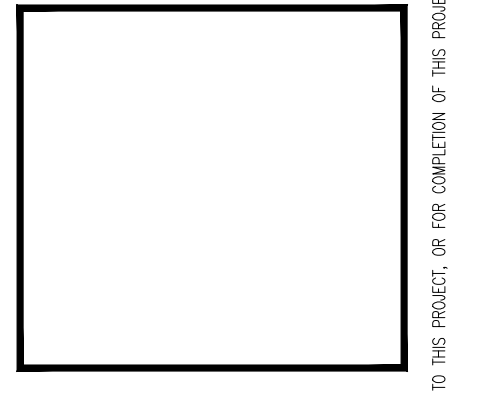
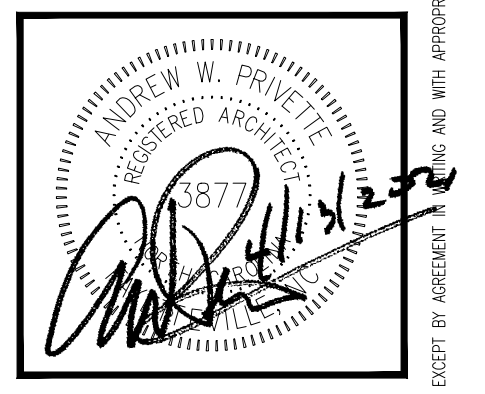
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6  
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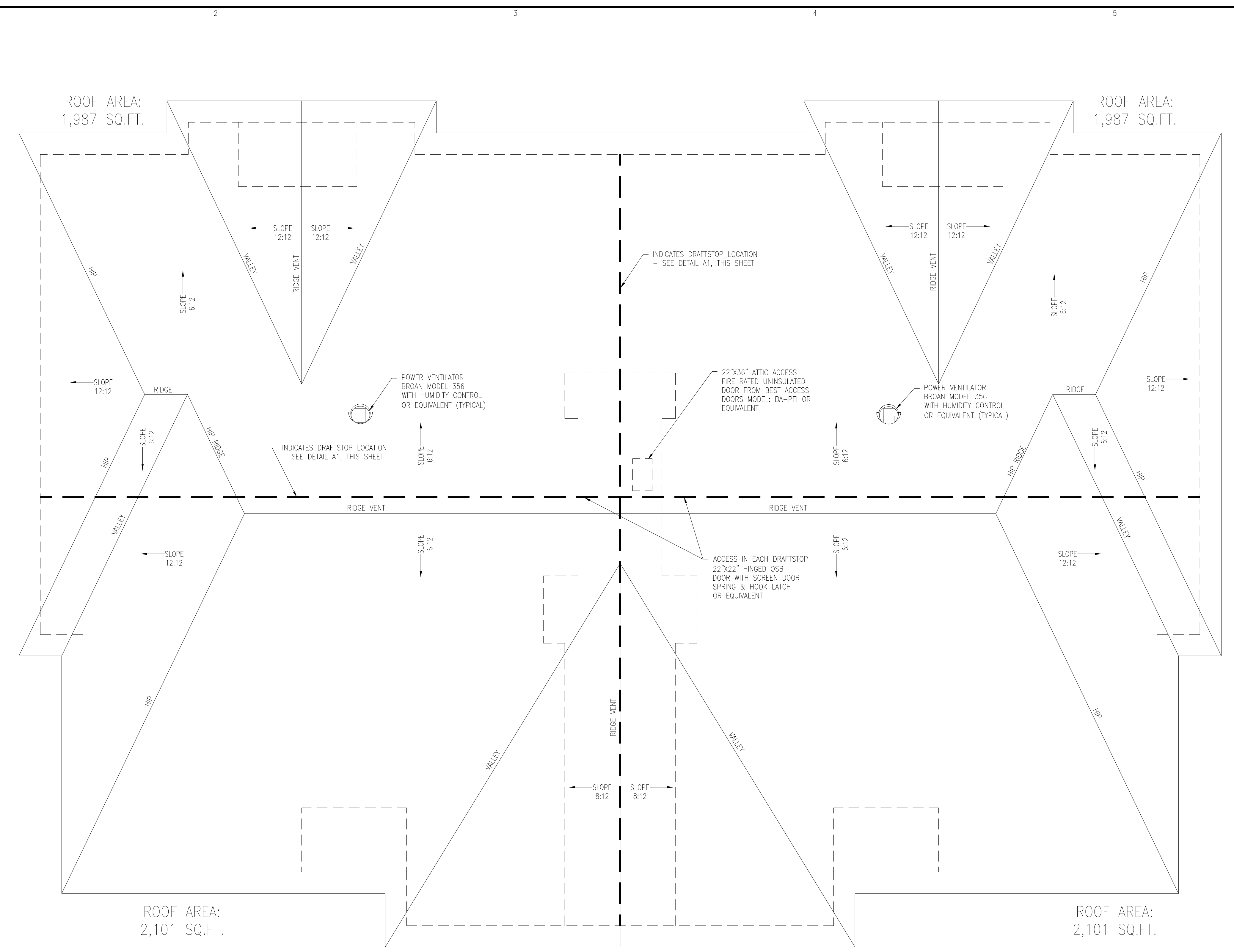
FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING —  
 SPRING LAKE, NORTH CAROLINA 28390

DATE	DESCRIPTION	CHK
4-13-21	PERMIT-CONSTRUCTION SET	AMP
PERMIT MARK		

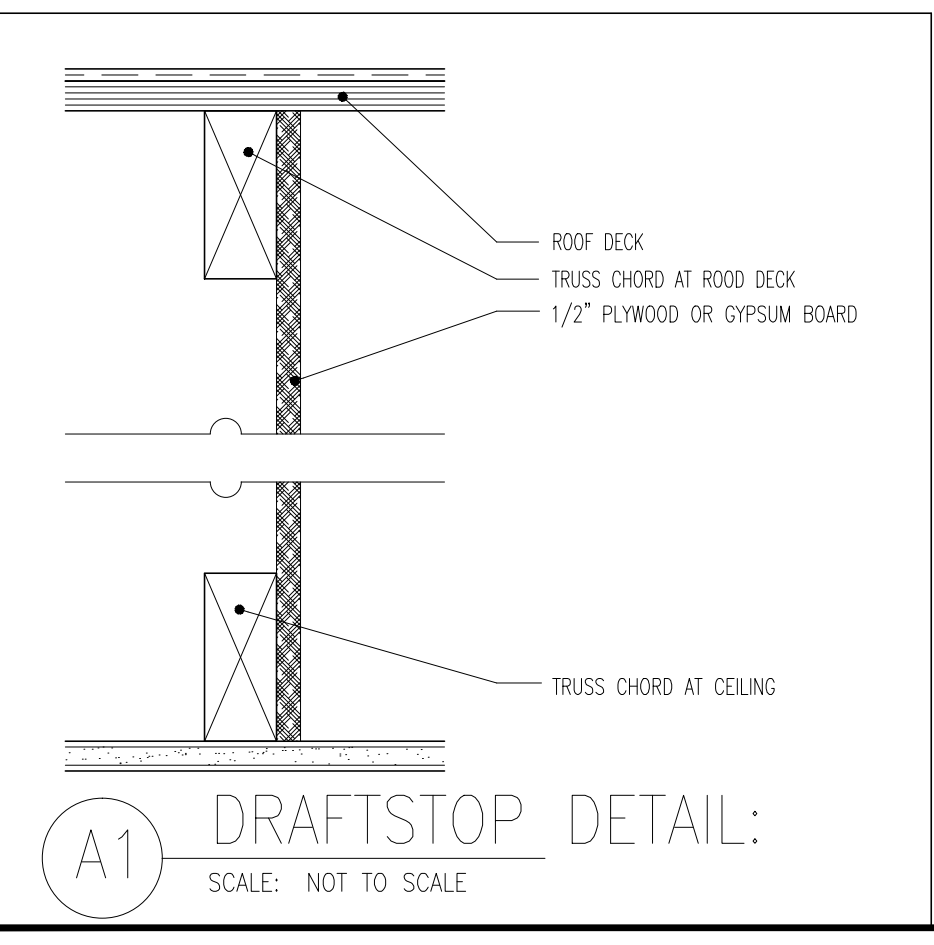
JOB CODE: 20FAIRWAY-10  
 DRAWN BY: S.S.TOPE  
 CHECKED BY: A. PRIVETTE  
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SHEET TITLE:  
 ROOF PLAN

A-104  
 SHEET 4 OF 8



A2 ROOF PLAN  
 SCALE: 3/16" : 1'-0"



A1 DRAFTSTOP DETAIL:  
 SCALE: NOT TO SCALE

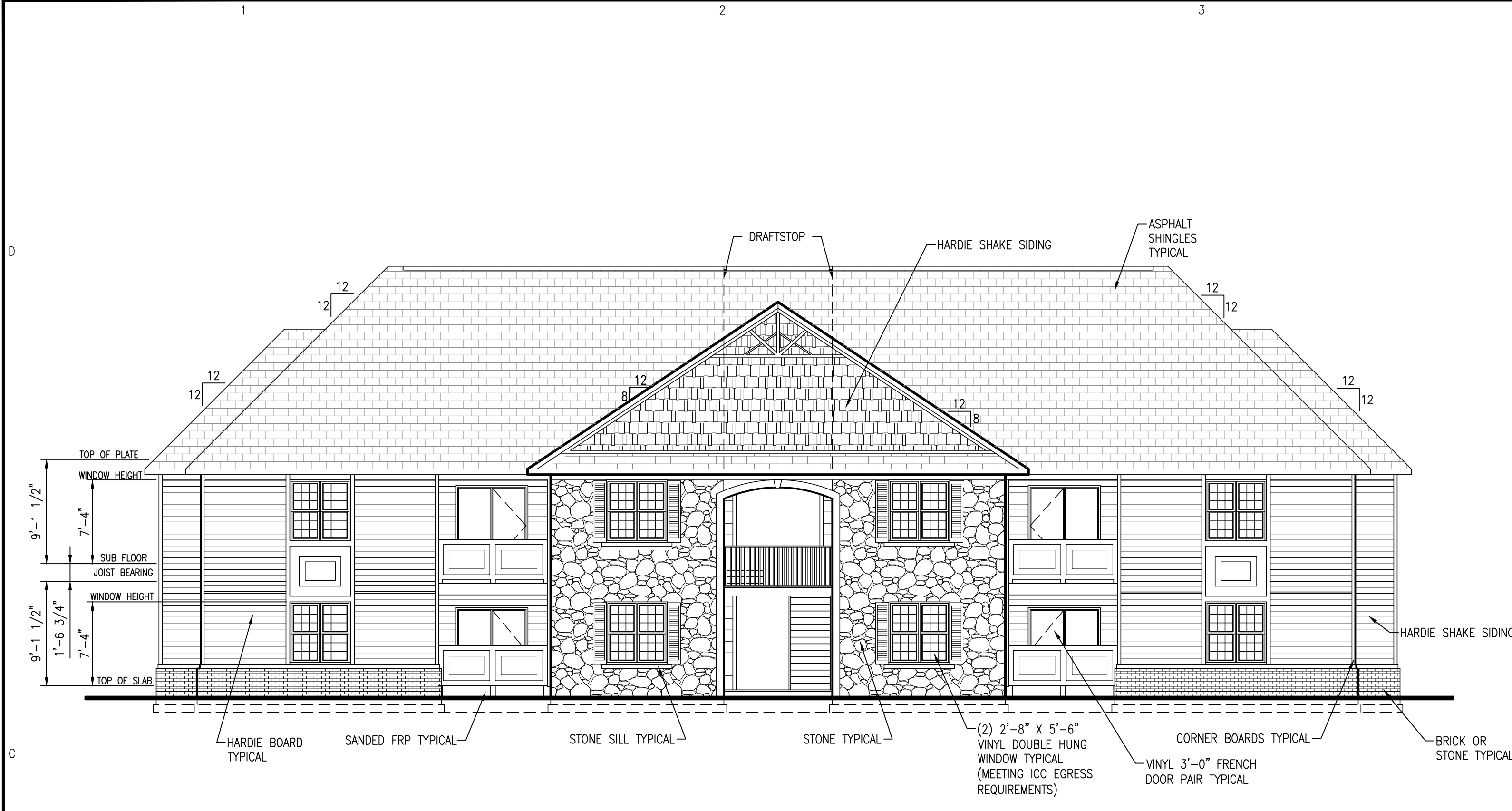
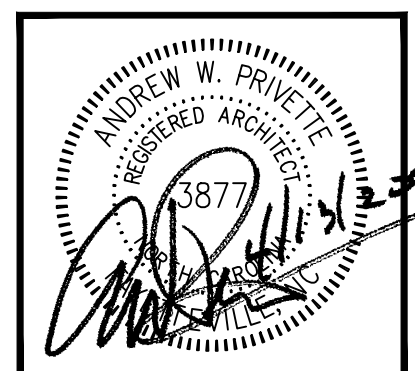
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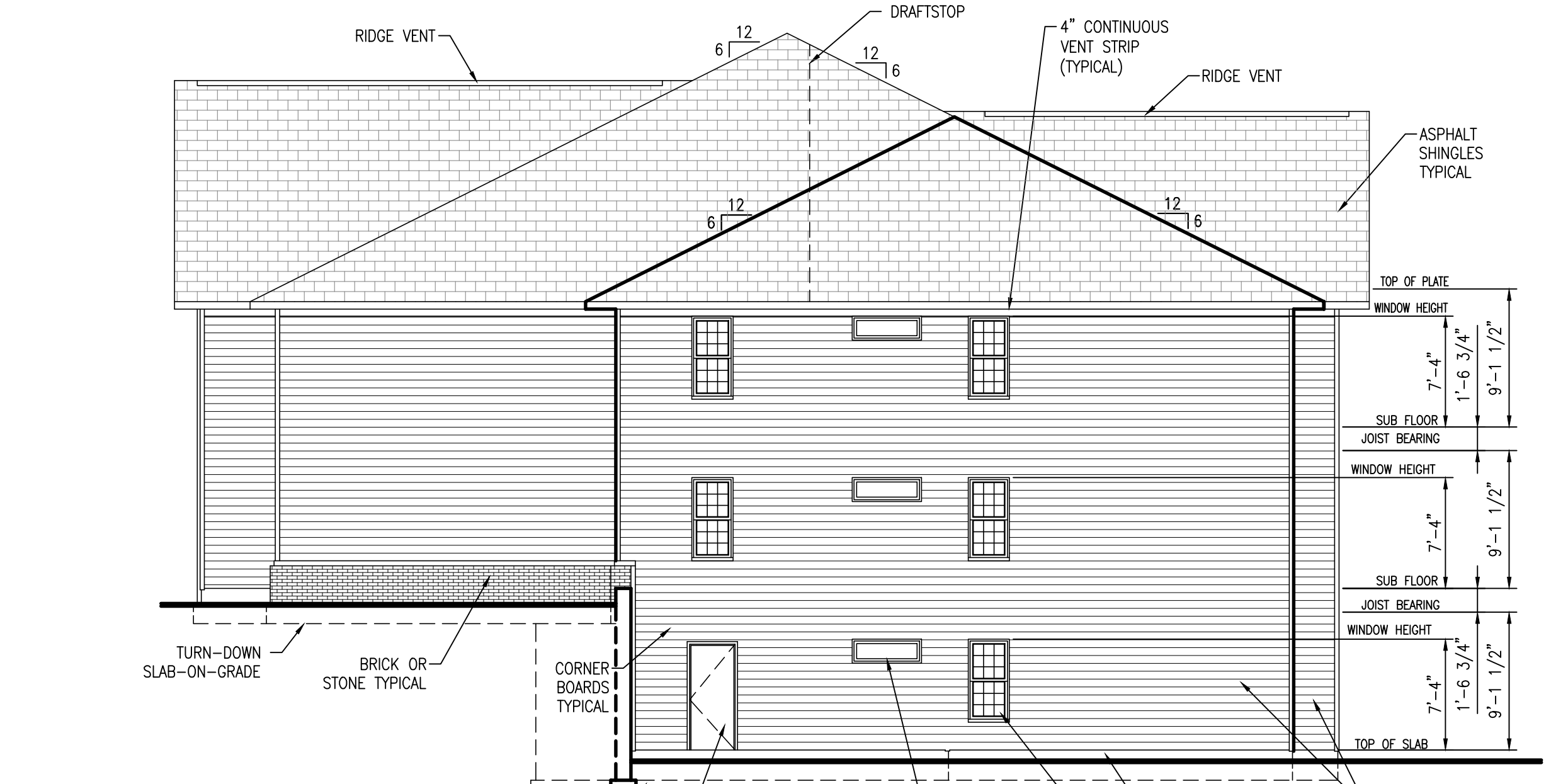
ANDREW W. PRIVETTE, AIA  
 1920 FT. BRAGG ROAD  
 FAYETTEVILLE,  
 NORTH CAROLINA 28303  
 TELE. (910) 485-8567  
 andy@designedtobuild.com



**C1 FRONT ELEVATION**  
 SCALE: 1/8" = 1'-0"

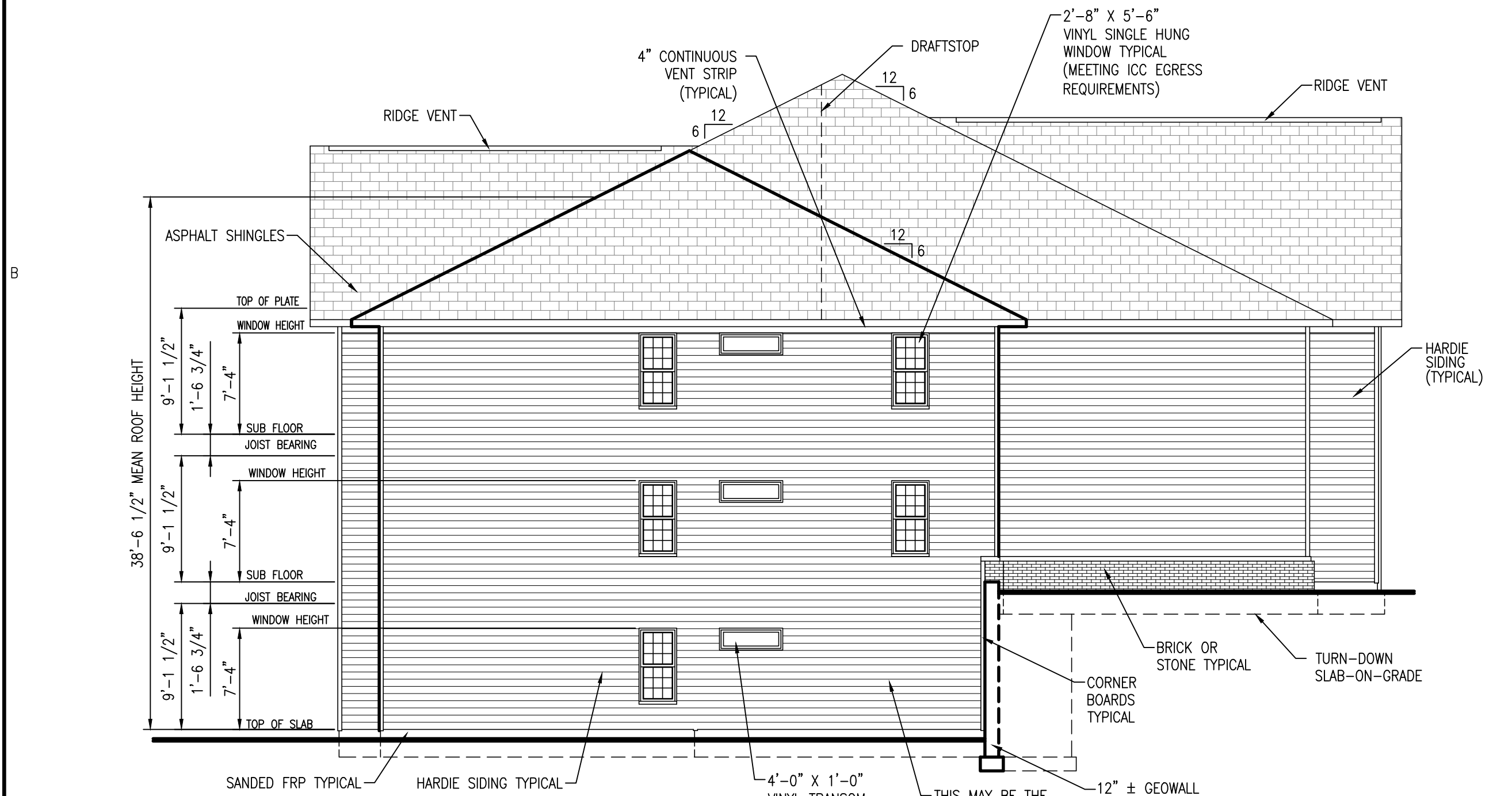
NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.

GENERAL NOTES:  
 SEE OWNER/CONTRACTOR FOR SIDING AND WOOD TRIM SPECS.  
 ADDRESS NUMBERING PER N.C. CODE VOL. V 603.17  
 ATTIC VENTILATION - 1524 S.F./300 = 5.08 S.F. PER UNIT - 6.30 S.F. PROVIDED  
 ATTIC VENTILATION @ CORRIDOR - 297 S.F./300 = 0.99 S.F. - 2.60 S.F. PROVIDED



**C4 RIGHT ELEVATION**  
 SCALE: 1/8" = 1'-0"

NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.



**A1 LEFT ELEVATION**  
 SCALE: 1/8" = 1'-0"

NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.



**A4 REAR ELEVATION**  
 SCALE: 1/8" = 1'-0"

NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.

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 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING —  
 SPRING LAKE, NORTH CAROLINA 28390

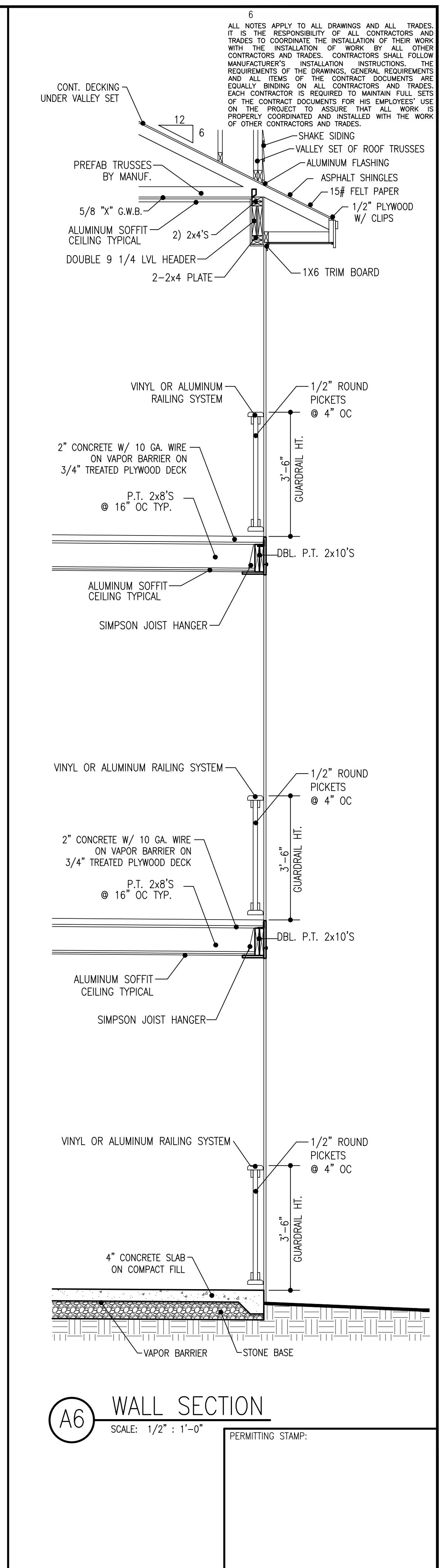
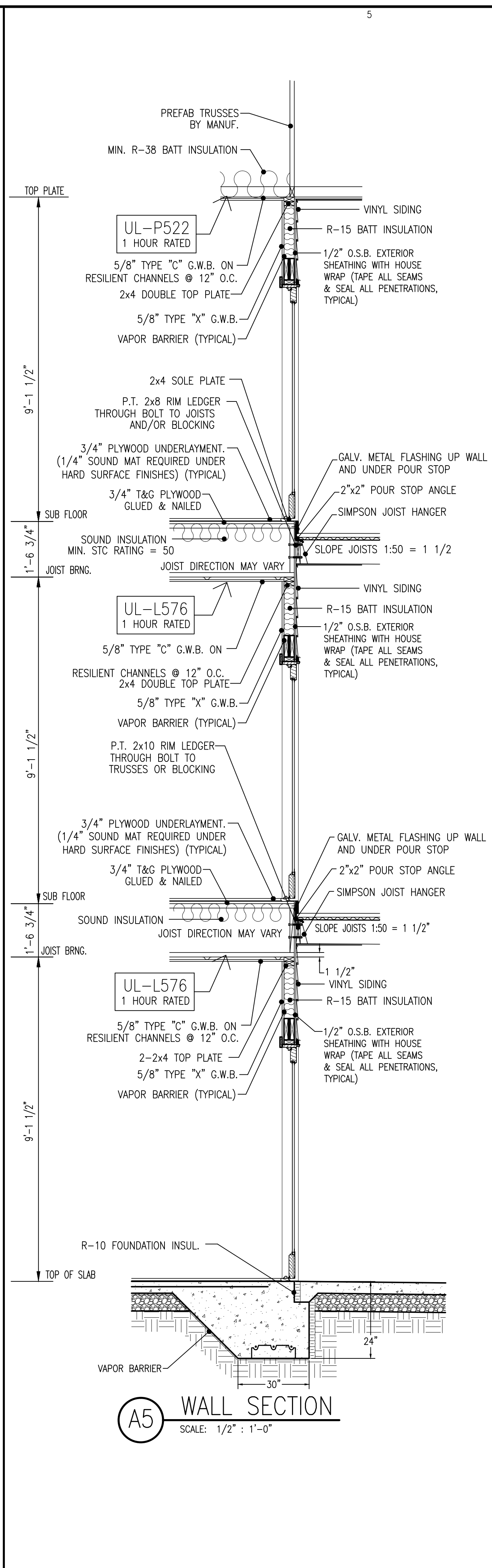
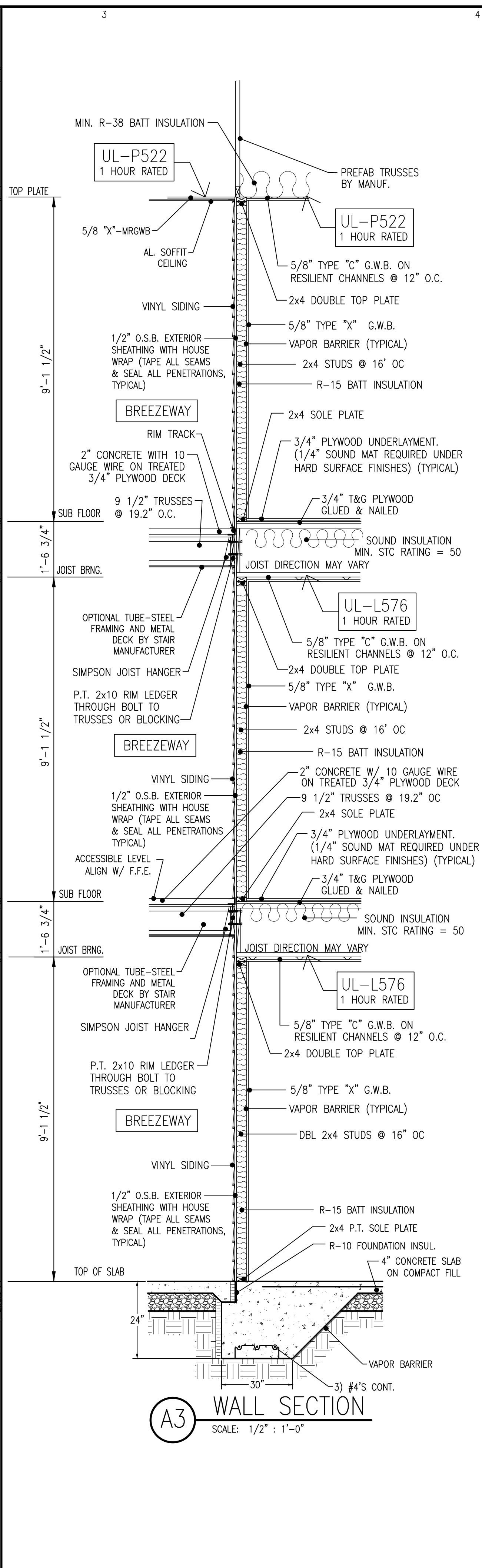
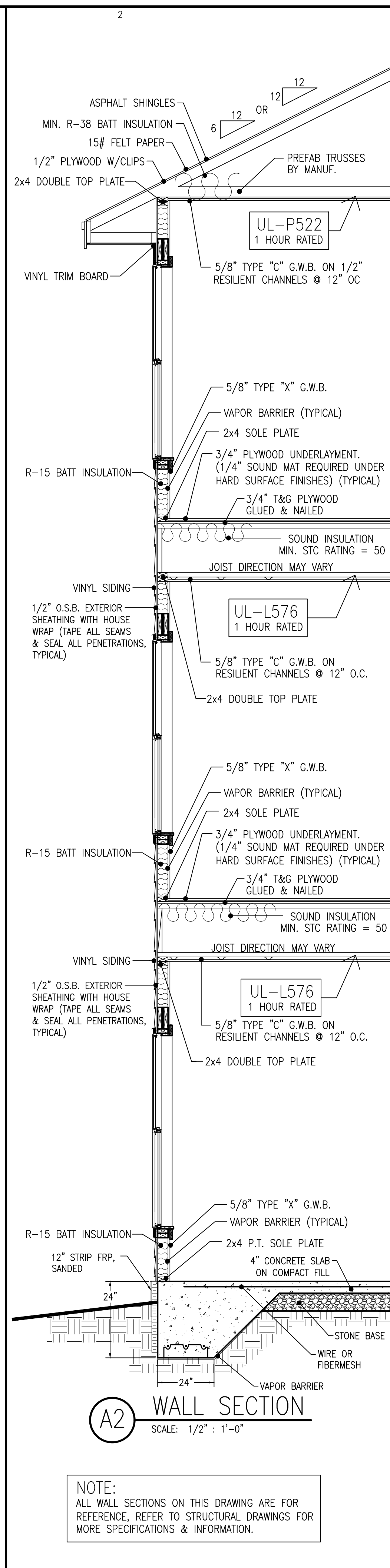
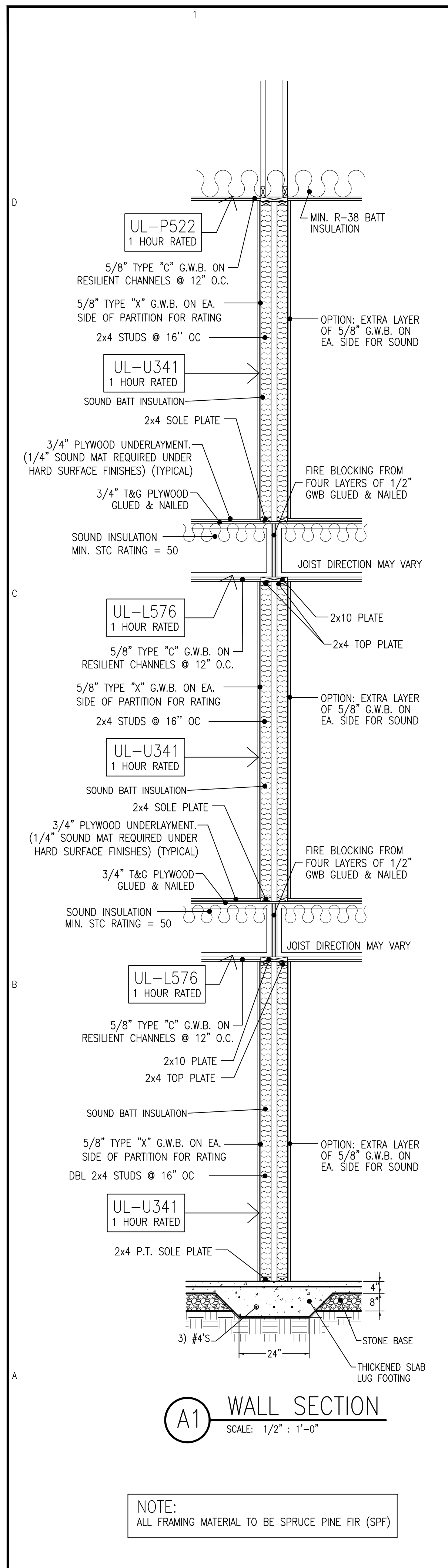
MARK	DATE	DESCRIPTION	CHK
PERMIT	4-13-21	ISSUE - CONSTRUCTION SET	AWP

JOB CODE: 20FAIRWAY-10  
 DRAWN BY: S.S.TOPE  
 CHECKED BY: A. PRIVETTE  
 COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:  
**EXTERIOR ELEVATIONS**

**A-201**  
 SHEET 5 OF 8

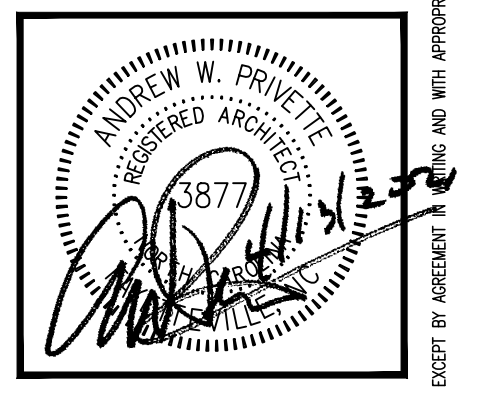




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A Smart Approach

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1920 FT. BRAGG ROAD  
FAYETTEVILLE,  
NORTH CAROLINA 28303  
TELE. (910) 485-8567  
andy@designtobuild.com



**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING —  
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK

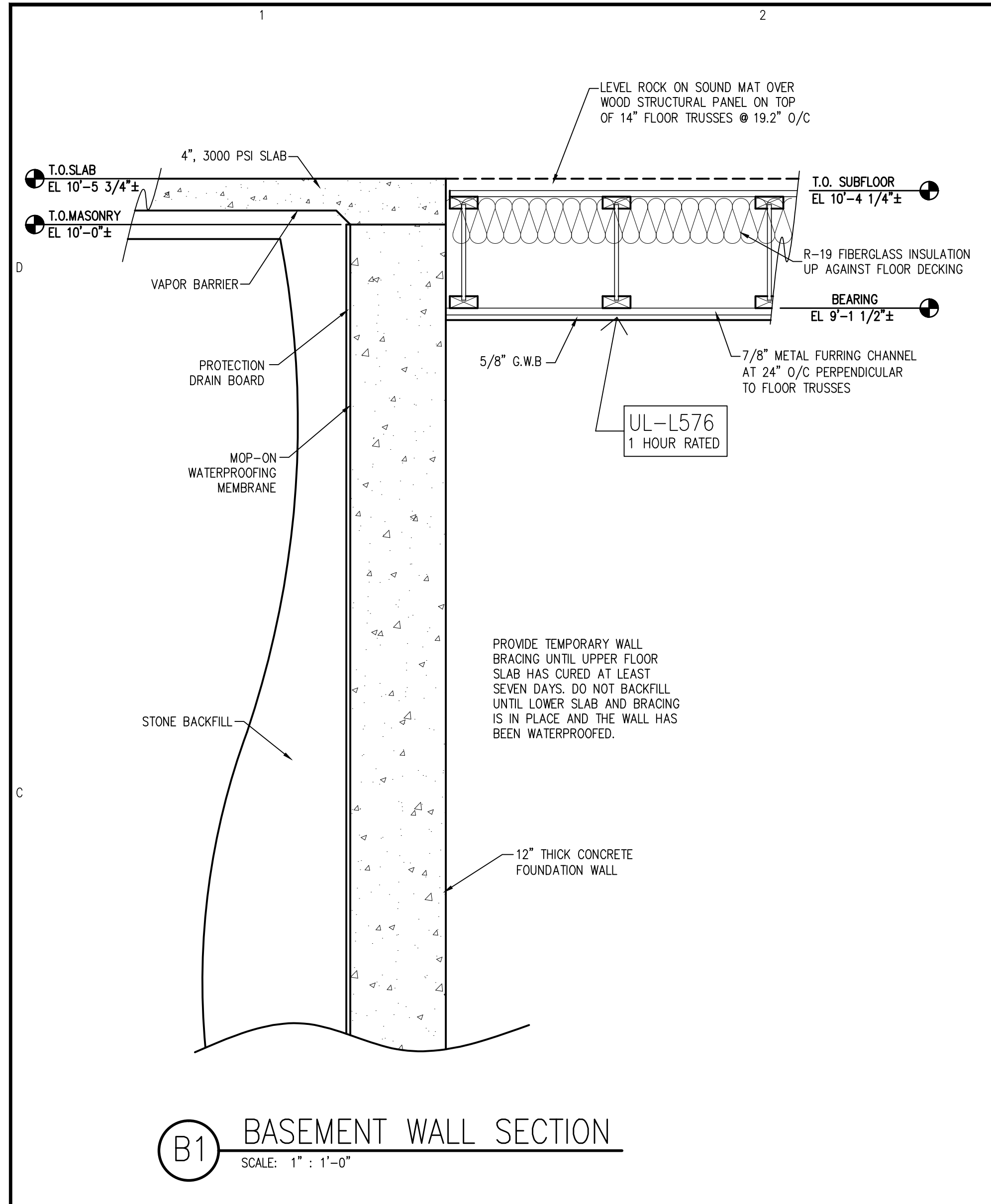
JOB CODE: 20FAIRWAY-10  
DRAWN BY: A. PRIVETTE  
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SHEET TITLE:  
**WALL SECTIONS**

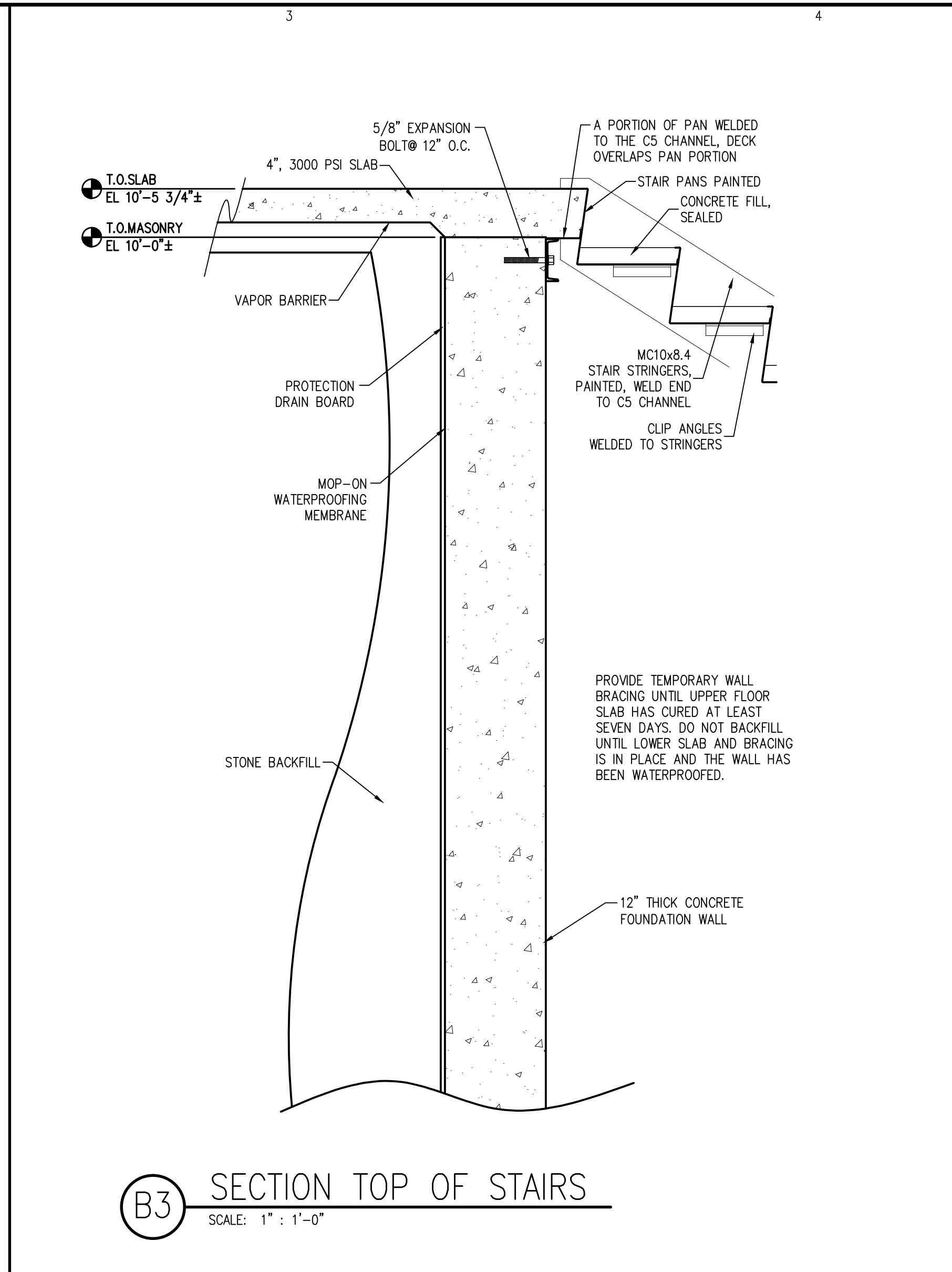
**A-301**  
SHEET 6 OF 8

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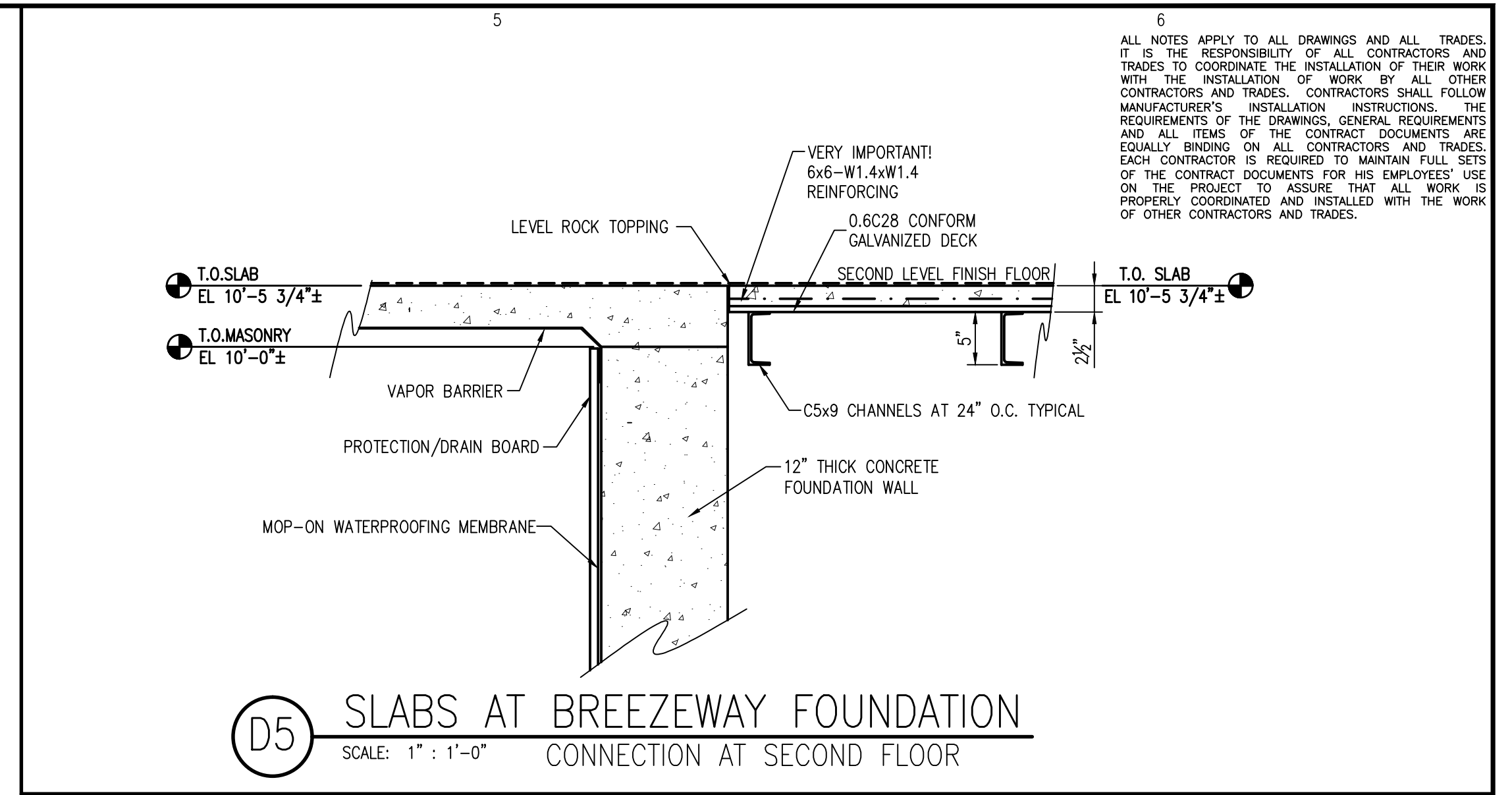




**B1** BASEMENT WALL SECTION  
SCALE: 1" : 1'-0"



**B3** SECTION TOP OF STAIRS  
SCALE: 1" : 1'-0"

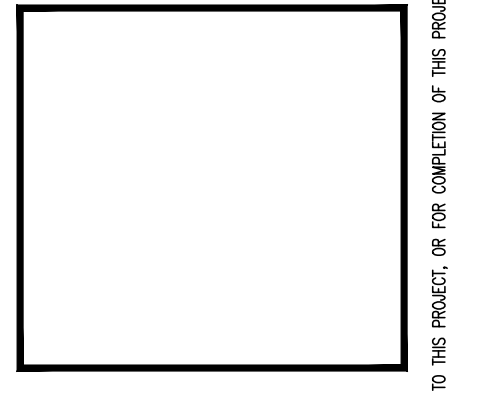
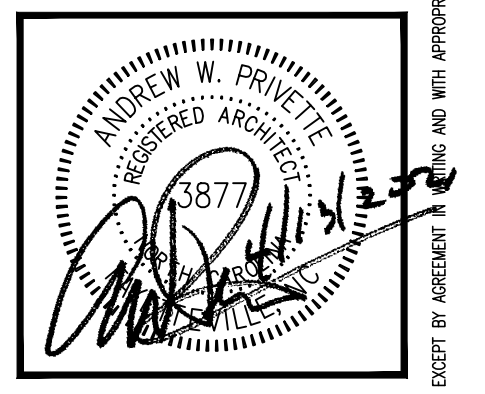


**D5** SLABS AT BREEZEWAY FOUNDATION CONNECTION AT SECOND FLOOR  
SCALE: 1" : 1'-0"

6  
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**Designed to Build**  
A Smarter Approach

**ANDREW W. PRIVETTE, AIA**  
1920 FT. BRAGG ROAD  
FAYETTEVILLE,  
NORTH CAROLINA 28303  
TELE. (910) 485-8567  
andy@designedtobuild.com



**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING —  
SPRING LAKE, NORTH CAROLINA 28390

DATE	DESCRIPTION	MARK	CHK
11-13-21	PERMITS - CONSTRUCTION SET		

JOB CODE: Z0FAIRWAY-10  
DRAWN BY: A. PRIVETTE  
CHECKED BY: A. PRIVETTE  
COPYRIGHT:  
DESIGNED TO BUILD

SHEET TITLE:  
**FOUNDATION SECTIONS & DETAILS**

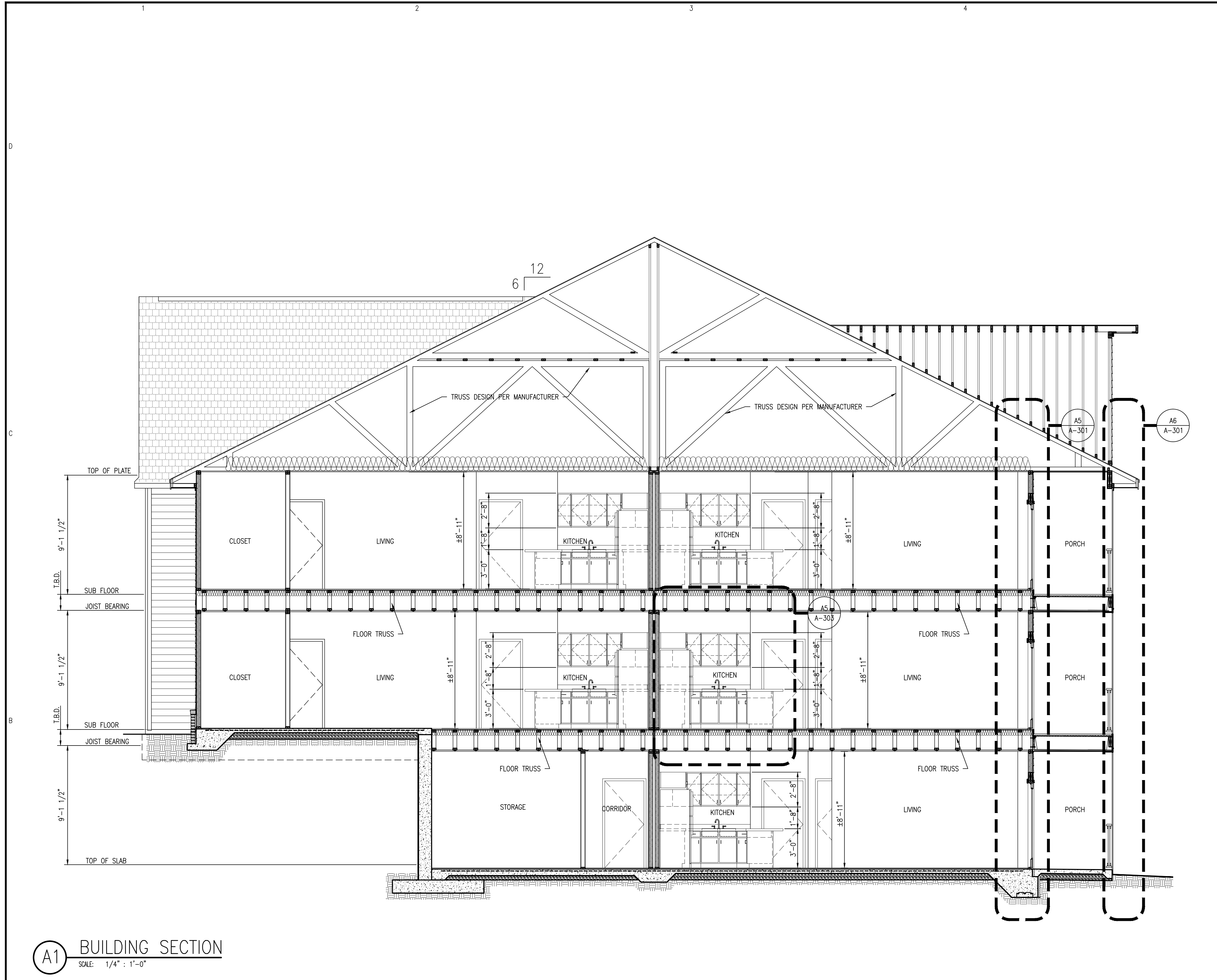
**A-302**  
SHEET 7 OF 8

- COORDINATE WITH CIVIL AND SITE DRAWINGS FOR FINAL GRADE NOTES AND RECOMMENDATIONS.
- DESIGN LOADS - SEE APPENDIX 'b' INFORMATION ON SHEET G-101
- SEISMIC CONDITIONS - SEE APPENDIX 'b' INFORMATION ON SHEET G-101
- CONCRETE QUALITY TO MEET 3000 & 4000 PSI COMPRESSIVE STRENGTH WITHIN 28 DAYS.
- REINFORCING STEEL TO BE GRADE 60.
- STRUCTURAL STEEL MINIMUM GRADE A50.
- FOLLOW ALL LOCAL AND STATE CODES AND STANDARDS FOR THIS PARTICULAR BUILDING LOCATION.
- TERMITE TREATMENT:
  - ENGAGE A PROFESSIONAL PEST CONTROL OPERATOR, LICENSED IN ACCORDANCE WITH REGULATIONS OF GOVERNING AUTHORITIES FOR APPLICATION OF SOIL TREATMENT SOLUTION.
  - USE AN EMULSIBLE CONCENTRATE INSECTICIDE FOR DILUTION WITH WATER, SPECIALLY FORMULATED TO PREVENT INFESTATION BY TERMITES. FUEL OIL WILL NOT BE PERMITTED AS A DILUTENT.
- SOIL BEARING CAPACITY ASSUMED AT 2,000 PSF.

**NOTE:**  
ALL SECTIONS & DETAILS ON THIS DRAWING ARE FOR REFERENCE, REFER TO STRUCTURAL DRAWINGS FOR MORE SPECIFICATIONS & INFORMATION.

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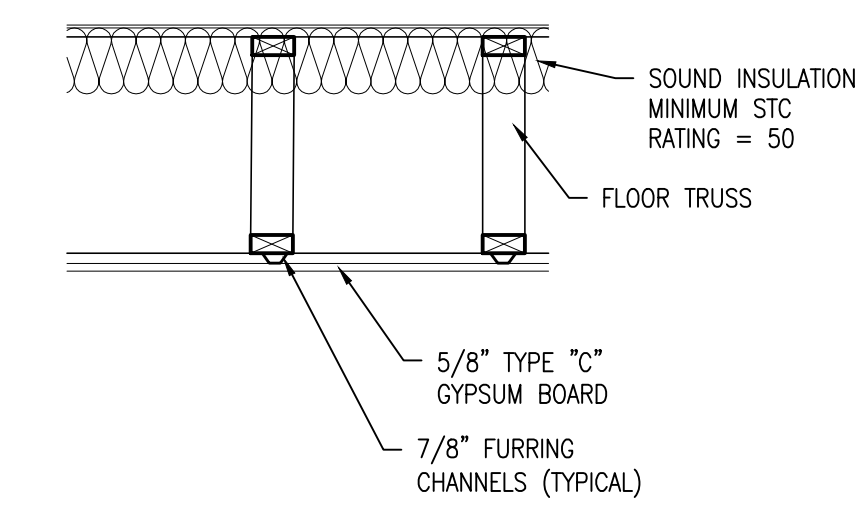
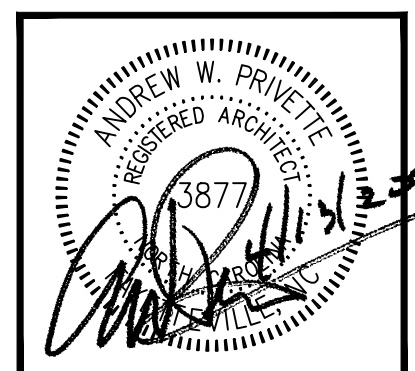


**A1 BUILDING SECTION**  
SCALE: 1/4" : 1'-0"

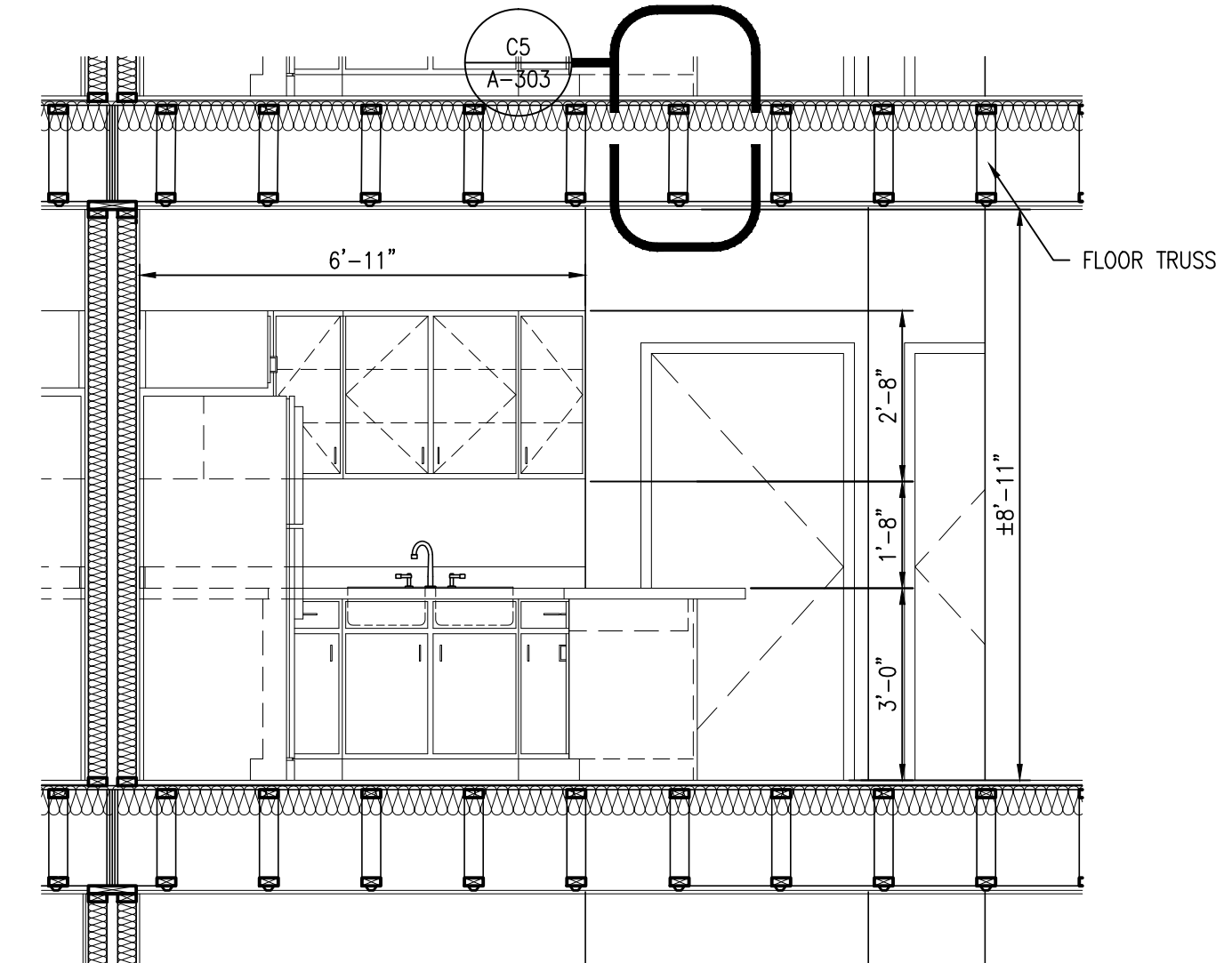
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**C5 SECTION DETAIL**  
SCALE: 3/4" : 1'-0"



**A5 INTERIOR SECTION DETAIL**  
SCALE: 3/8" : 1'-0"

**FAIRWAY POINTE at ANDERSON CREEK CLUB**  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING —  
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	MARK	CHK
1	11-13-21	ISSUE FOR PERMITTING		
2		ISSUE FOR CONSTRUCTION SET		

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SHEET TITLE:  
**BUILDING SECTION & SECTION DETAILS**

**A-303**  
SHEET 8 OF 8

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER. ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.















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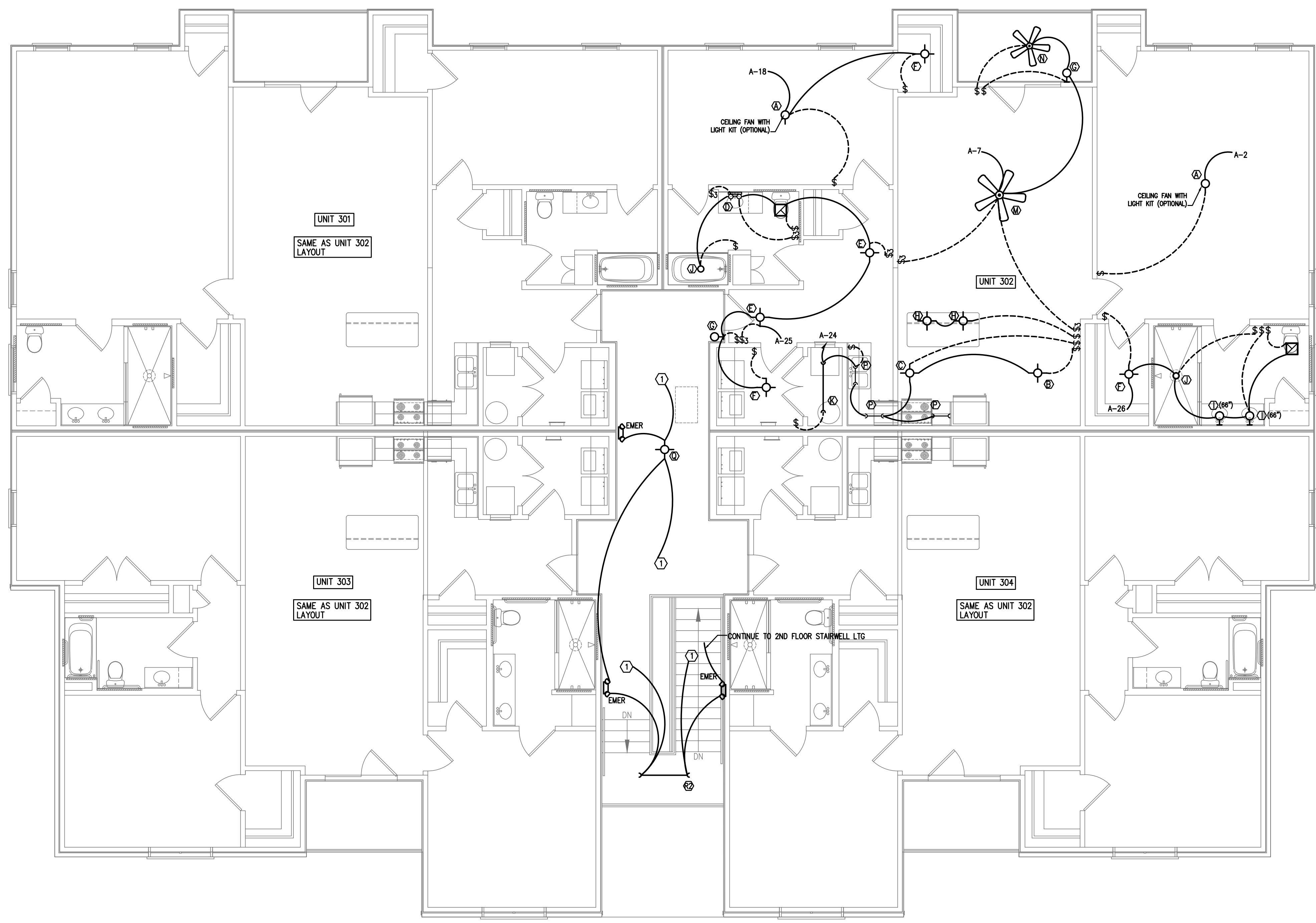
FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING \_\_\_\_\_  
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHK.

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SHEET TITLE:  
 LIGHTING PLAN  
 THIRD FLOOR

E6  
 SHEET OF



**2**  
**E6** KEYED NOTES  
 N.T.S.

① PROVIDE A LEVITON OCCOCS-L1W (3 WAY MODEL) OR EQUAL CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING IN THIS AREA

**1**  
**E6** LIGHTING PLAN-3RD FLOOR  
 3/16"=1'-0"

\*ALL 15a and 20a BRANCH CIRCUIT SHALL BE "ARC FAULT CIRCUIT INTERRUPTING" TYPE.

Coastal Plains Engineering, P.A.

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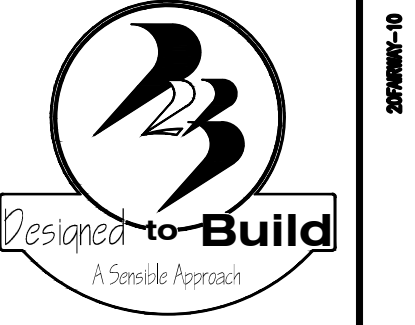
Apr 27, 2021

PERMITTING STAMP:





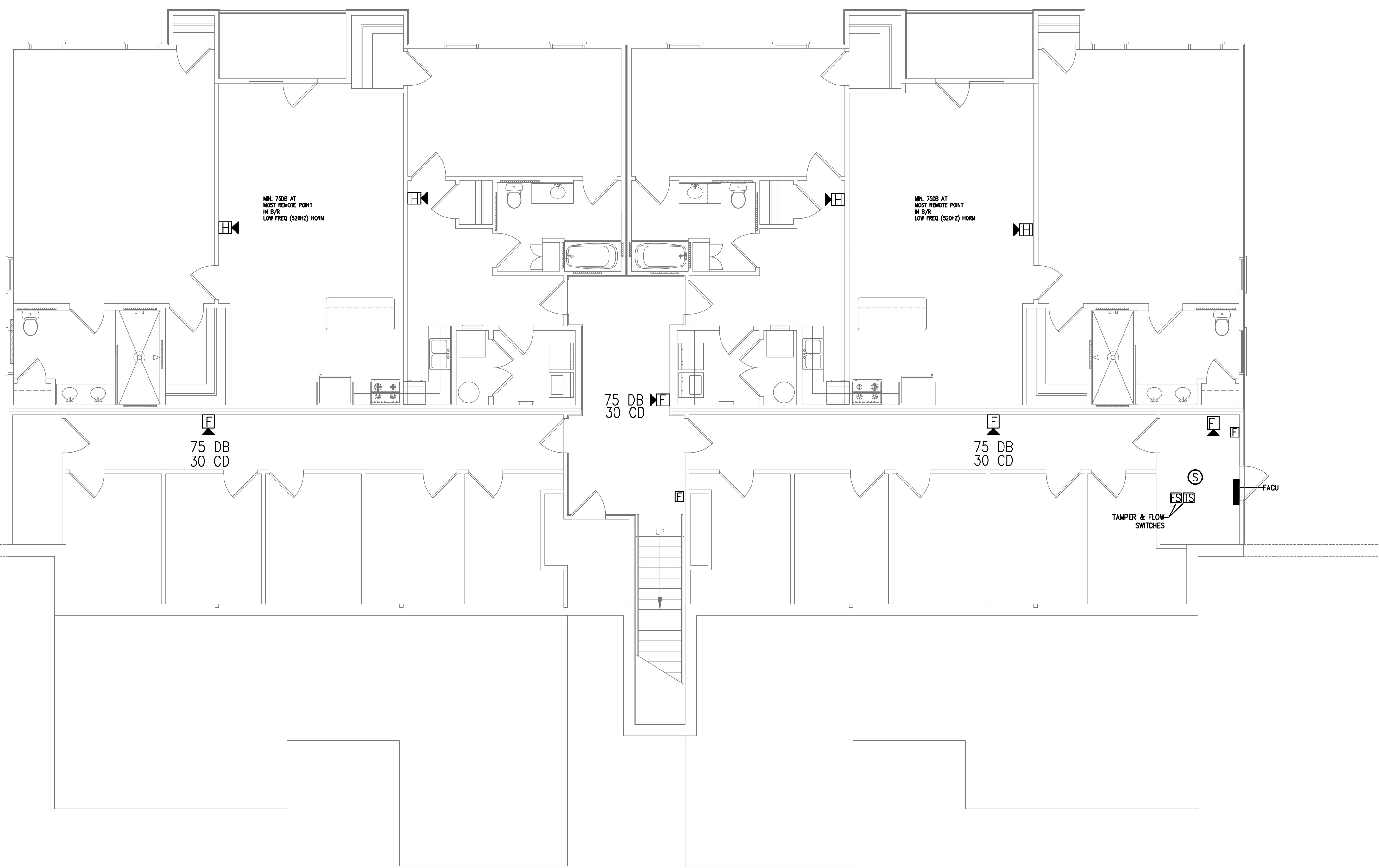
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**FIRE ALARM LEGEND**

FACU	FIRE ALARM CONTROL UNIT
F	PULL STATION
FS	FLOW SWITCH
TS	TAMPER SWITCH
FS/H	HORN STROBE
H	HORN ONLY
S/H	STROBE ONLY



1  
 FA1 FIRE ALARM PLAN-1ST FLOOR  
 3/16"=1'-0"

FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING  
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHKD.

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SHEET TITLE:  
 FIRE ALARM PLAN  
 FIRST FLOOR

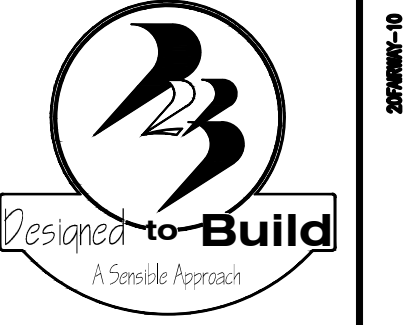
FA1  
 SHEET OF

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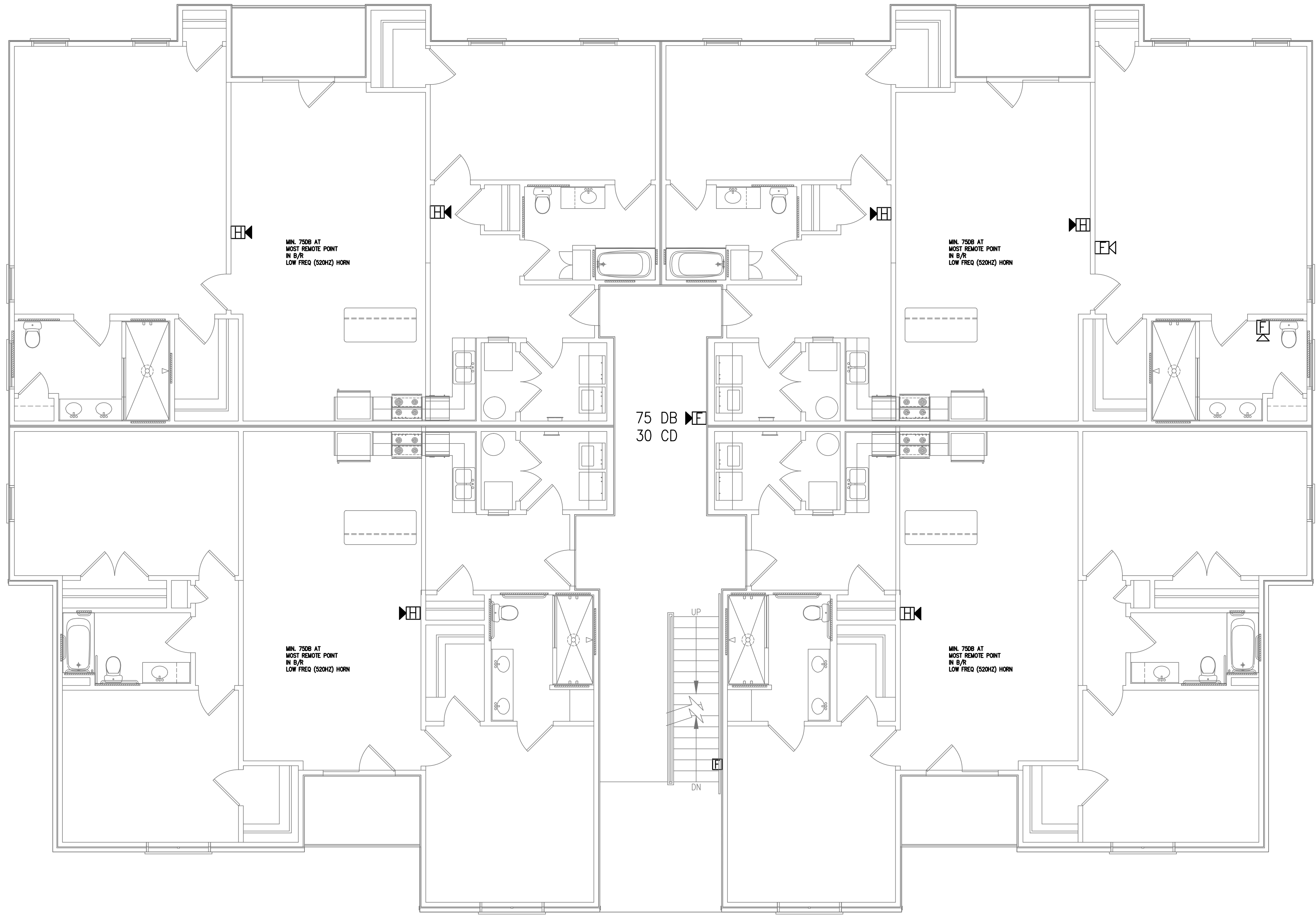
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**FIRE ALARM LEGEND**

FACU	FIRE ALARM CONTROL UNIT
F	PULL STATION
FS	FLOW SWITCH
TS	TAMPER SWITCH
[Symbol]	HORN STROBE
[Symbol]	HORN ONLY
[Symbol]	STROBE ONLY



1 FIRE ALARM PLAN-2ND FLOOR  
 FA2 3/16"=1'-0"

FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING \_\_\_\_\_  
 SPRING LAKE, NORTH CAROLINA 28390

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SHEET TITLE:  
 FIRE ALARM PLAN  
 SECOND FLOOR

FA2  
 SHEET OF

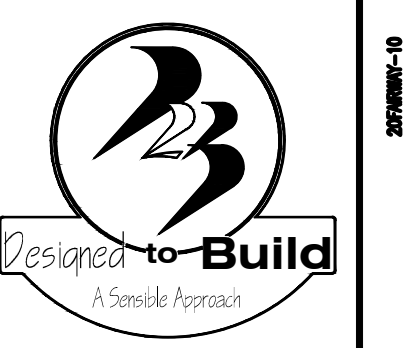
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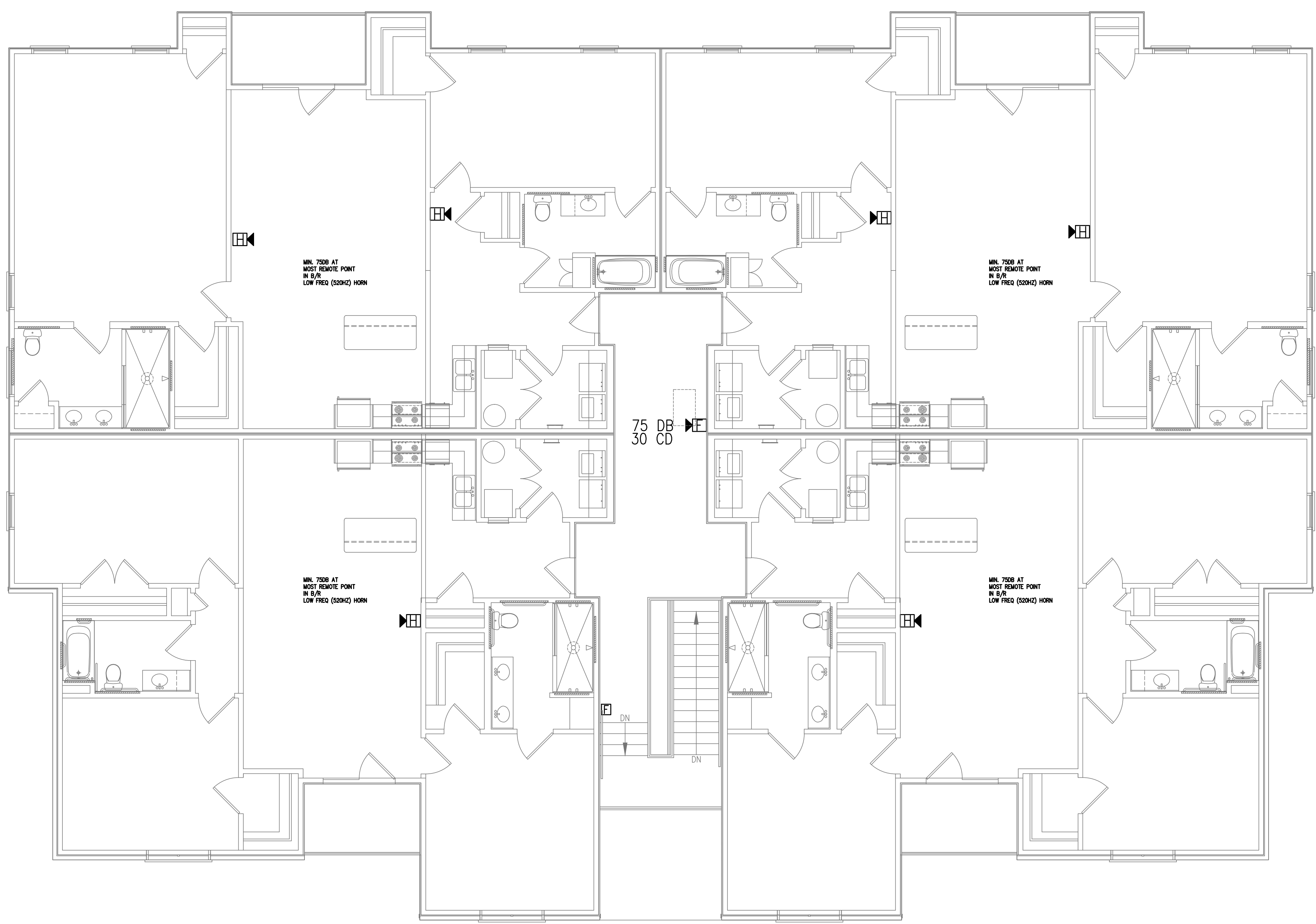
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SHEET TITLE:  
 FIRE ALARM PLAN  
 THIRD FLOOR

FA3  
 SHEET OF

- FIRE ALARM LEGEND**
- FIRE ALARM CONTROL UNIT
  - PULL STATION
  - FLOW SWITCH
  - TAMPER SWITCH
  - HORN STROBE
  - HORN ONLY
  - STROBE ONLY



1  
 FA3 FIRE ALARM PLAN-3RD FLOOR  
 3/16"=1'-0"

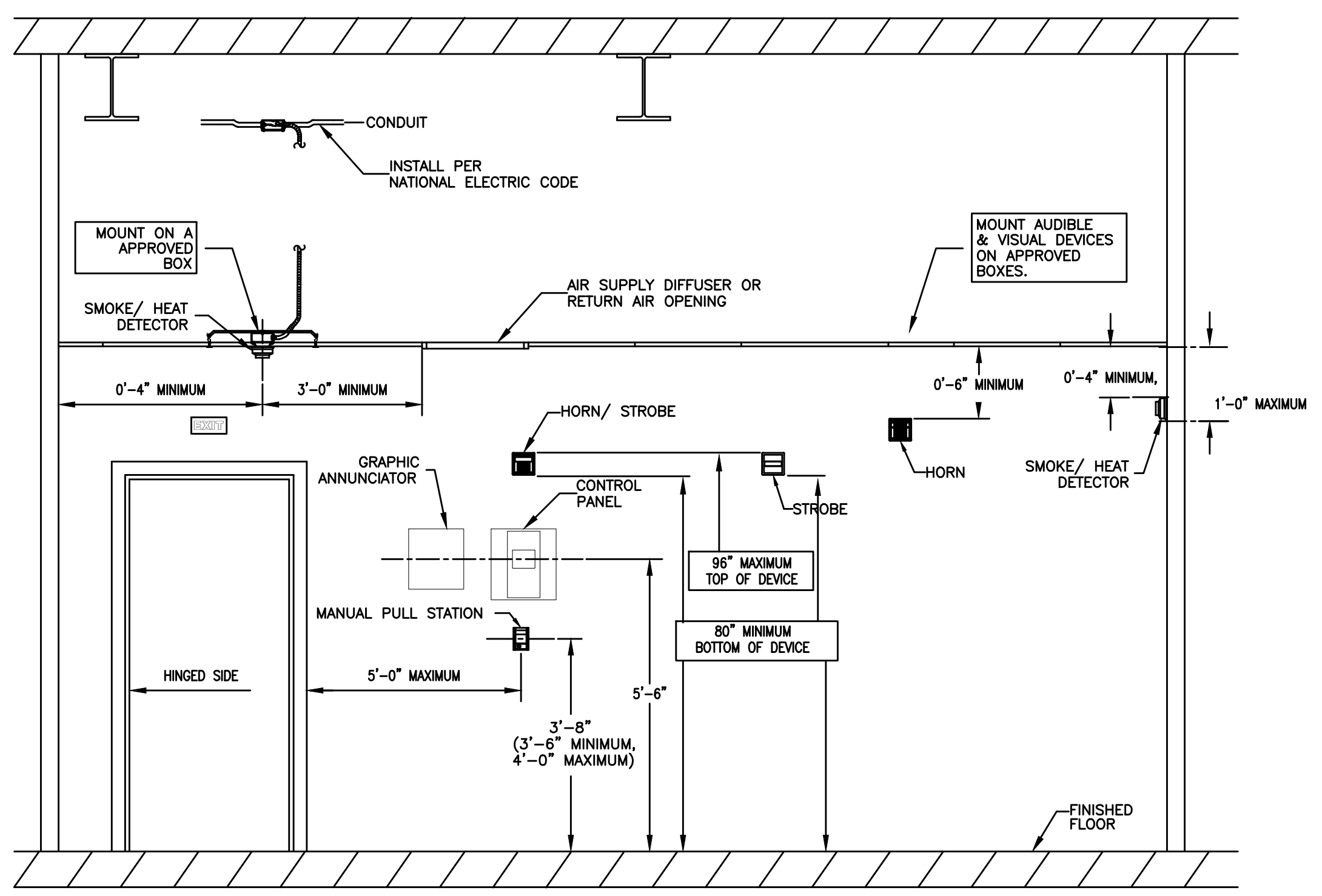
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# NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS

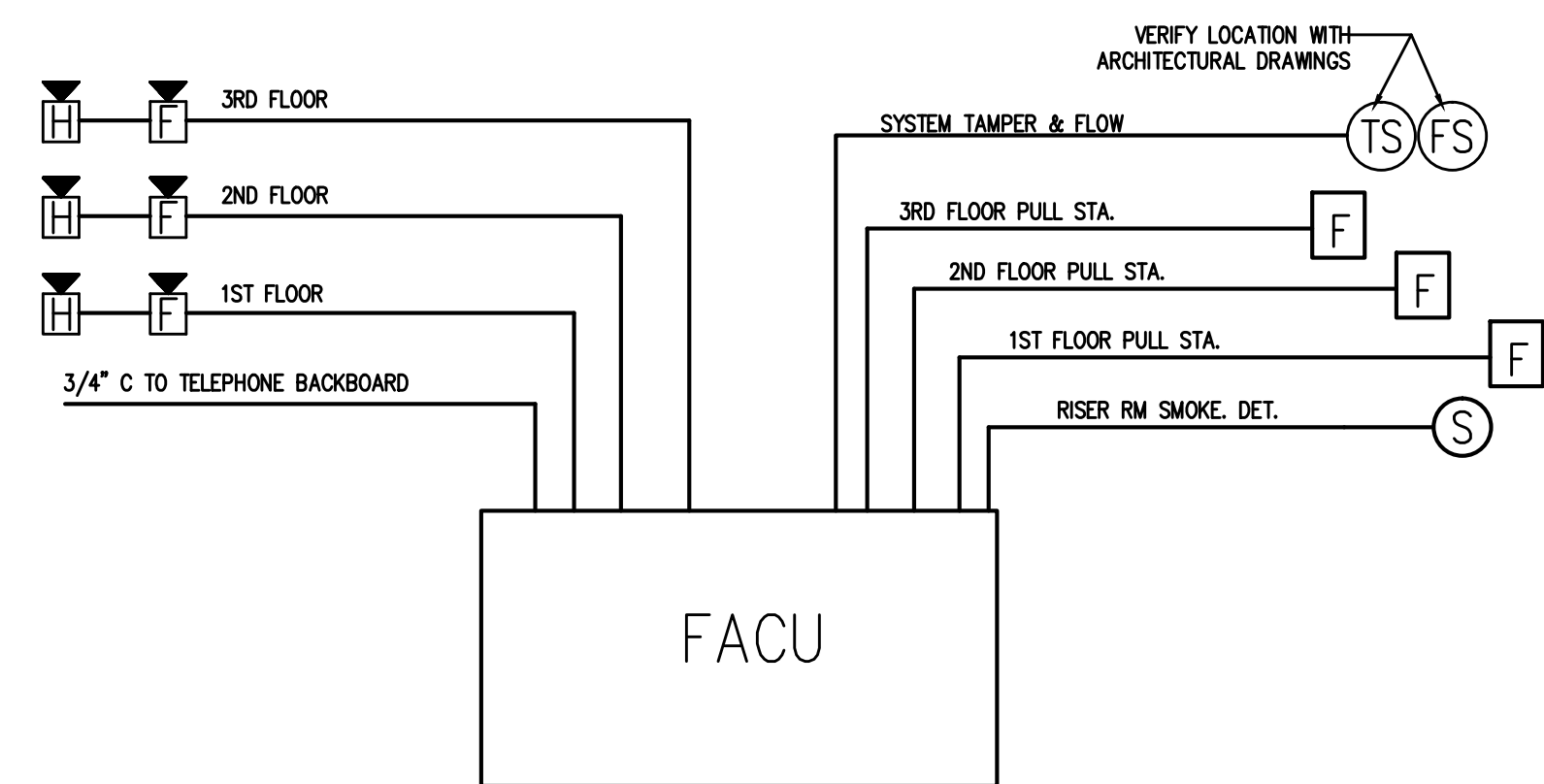
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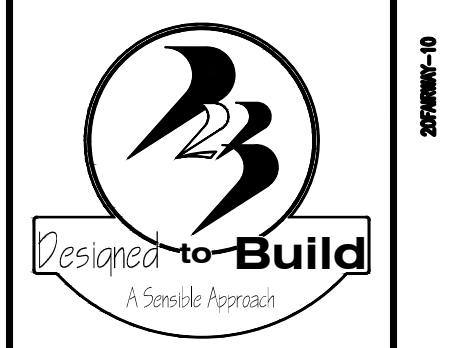
### FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM INPUTS	SYSTEM OUTPUTS																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1 FIRE ALARM SYSTEM AC POWER FAILURE																						
2 FIRE ALARM SYSTEM LOW BATTERY																						
3 OPEN CIRCUIT																						
4 GROUND FAULT																						
5 NOTIFICATION APPLIANCE CIRCUIT SHORT																						
6 BREEZEWAY MANUAL PULL STATIONS																						
7 SMOKE DETECTOR AT FACP																						
8 SPRINKLER TAMPER SWITCH																						
9 SPRINKLER WATER FLOW IN BUILDING																						
10 -																						
11 -																						

1 FIRE ALARM DEVICE MOUNTING HEIGHTS  
N.T.S.



2 FIRE ALARM RISER DIAGRAM  
N.T.S.



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FIRE ALARM DETAILS

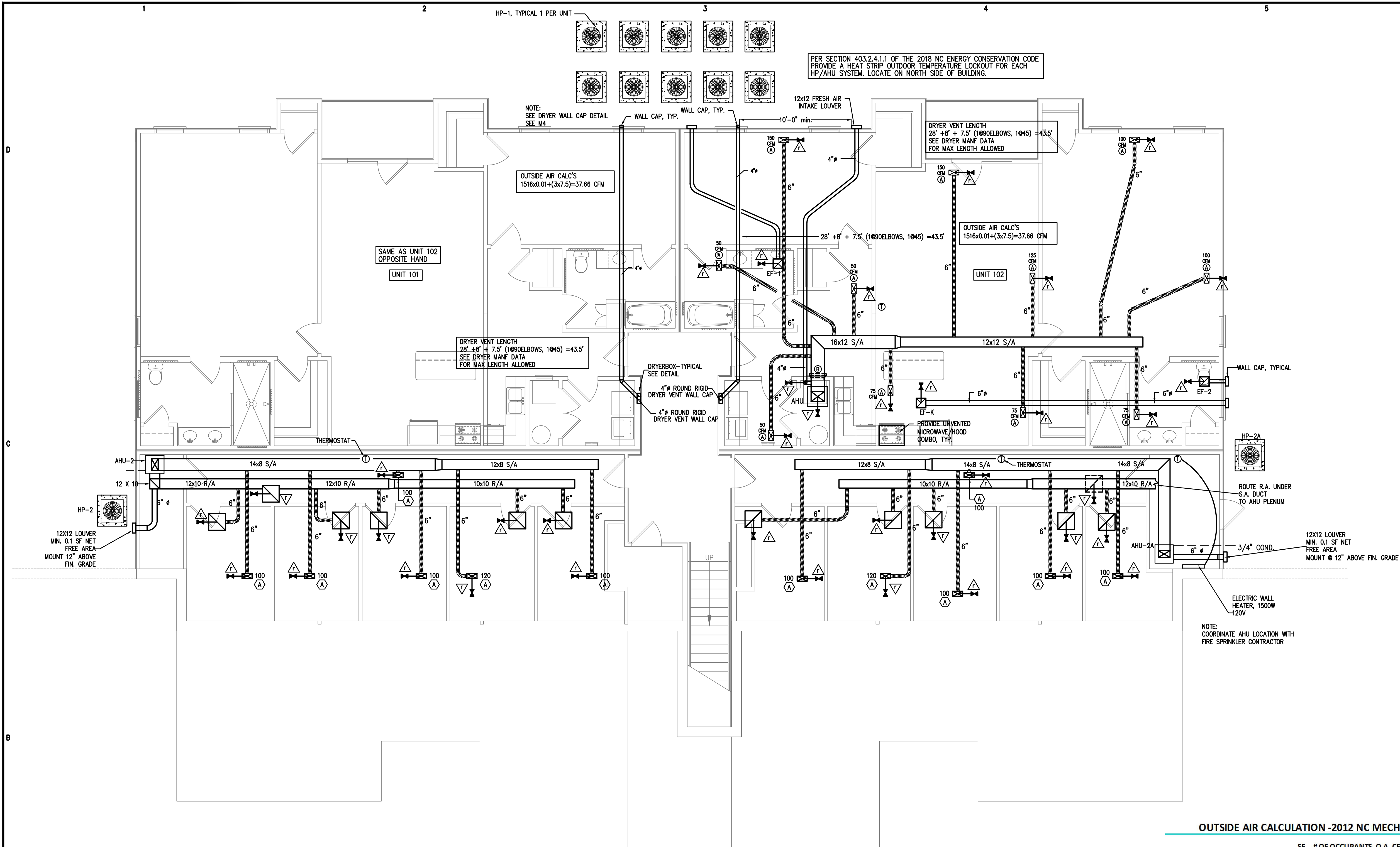
FA4  
SHEET OF

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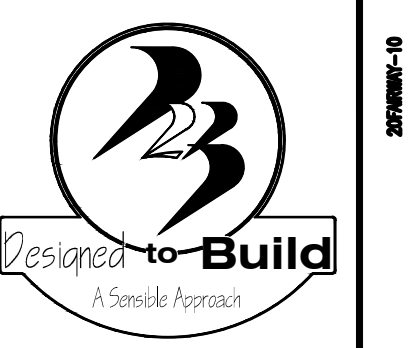


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SPRING LAKE, NORTH CAROLINA 28390

1 HVAC PLAN-1ST FLOOR  
3/16"=1'-0"

EXHAUST FAN SCHEDULE	
EF-1	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" sidewall discharge duct, sidewall discharge cap; Model - BROAN No. 634
EF-2	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-3	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-4	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-5	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-6	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-7	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-8	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-9	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-10	Ceiling mounted, 80 cfm, white polymer, grille 2.5 sones, 4" roof discharge duct, roof discharge cap; Model - BROAN No. 634
EF-K	Ceiling mounted, 100 cfm, white polymer, grille 2.5 sones, 6" sidewall discharge duct, sidewall discharge cap; Model - BROAN No. 634 (1st & 2nd Flr Units) Model - BROAN No. 634 (3rd Flr Units)

NOTE:  
DRYER SPEC  
GE CTD3EAKSW OR EQ.  
PROVIDE TAG INSTALLED IN LAUNDRY ROOM  
DRYER INSTALLED MUST ALLOW MIN 55' 4" DUCT WITH 2 ELBOWS

REGISTER & GRILLE SCHEDULE	
A	Supply ceiling register, 4 in. x 10 in., two-way deflection, white enamel finish, all-steel construction, multi-shutter valve; Stock #600W10x4 by Atlanta Supply Co. or equiv.
B	Return air filter grille, 20 x 20 filter, 1/3"-spaced fins set at 20 degrees, ceiling mount, white enamel finish, grille to accept 1 inch thick throw-away type filters; Stock #600HFW20x20 by Atlanta Supply Co. or equiv.

OUTSIDE AIR CALCULATION -2012 NC MECHANICAL CODE (TABLE 403.3) Vbz = RpPz + RaAz

OCCUPANCY TYPE:	SF (Az)	# OF OCCUPANTS (Pz)	O.A. CFM PER PERSON (Rp)	O.A. CFM PER SqFt (Ra)	O.A. CFM REQUIRED (Vbz)	EXHAUST CFM REQUIRED
AHU-2 STORAGE	522	0	0	0.12	62.64	
CORRIDOR	228	0	0	0.06	13.68	
TOTAL CFM REQUIRED					76.32	0
TOTAL CFM FURNISHED					76.32	0
AHU-2a STORAGE	509	0	0	0.12	61.08	
CORRIDOR	208	0	0	0.06	12.48	
TOTAL CFM REQUIRED					73.56	0
TOTAL CFM FURNISHED					73.56	0

AIR HANDLING UNIT SCHEDULE

UNIT NO.	CFM	OA CFM	ESP IN WG	FAN MOTOR				MFG. & MODEL	REMARKS			
				HP	VOLTS	PHASE	CYCLE					
AHU-1	1000	-	0.75"	1/3	240	1	60	2.8	44	45	TRANE GAMSBO830M21SB	2.5 TON AIR HANDLER W/ 7.68 KW STRIPS
AHU-2, 2A	600	-	0.85"	1/3	240	1	60	2.8	24	25	TRANE GAMSBO18M11SB	1.5 TON AIR HANDLER W/ 3.84 KW STRIPS

HEAT PUMP UNIT SCHEDULE

UNIT NO.	COMPRESSOR AMPS	NO. OF COMP.	FAN AMPS	NO. OF FANS	UNIT VOLT	UNIT PHASE	MOCP	MCA	WIRE SIZE (DU. 75 °C)	TOTAL COOLING	MIN. SEER	HEATING	MFG & MODEL	REMARKS
HP-1	11.5	1	0.74	1	240	1	25	15	10	30,000	13.00	28,000	TRANE 4TWB3030C1	2.5 TON HEAT PUMP UNIT
HP-2,2A	8.7	1	0.77	1	240	1	20	12	10	18,000	13.00	17,500	TRANE 4TWB3018D1	1.5 TON HEAT PUMP UNIT

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SHEET TITLE:  
HVAC PLAN  
FIRST FLOOR

M1  
SHEET OF

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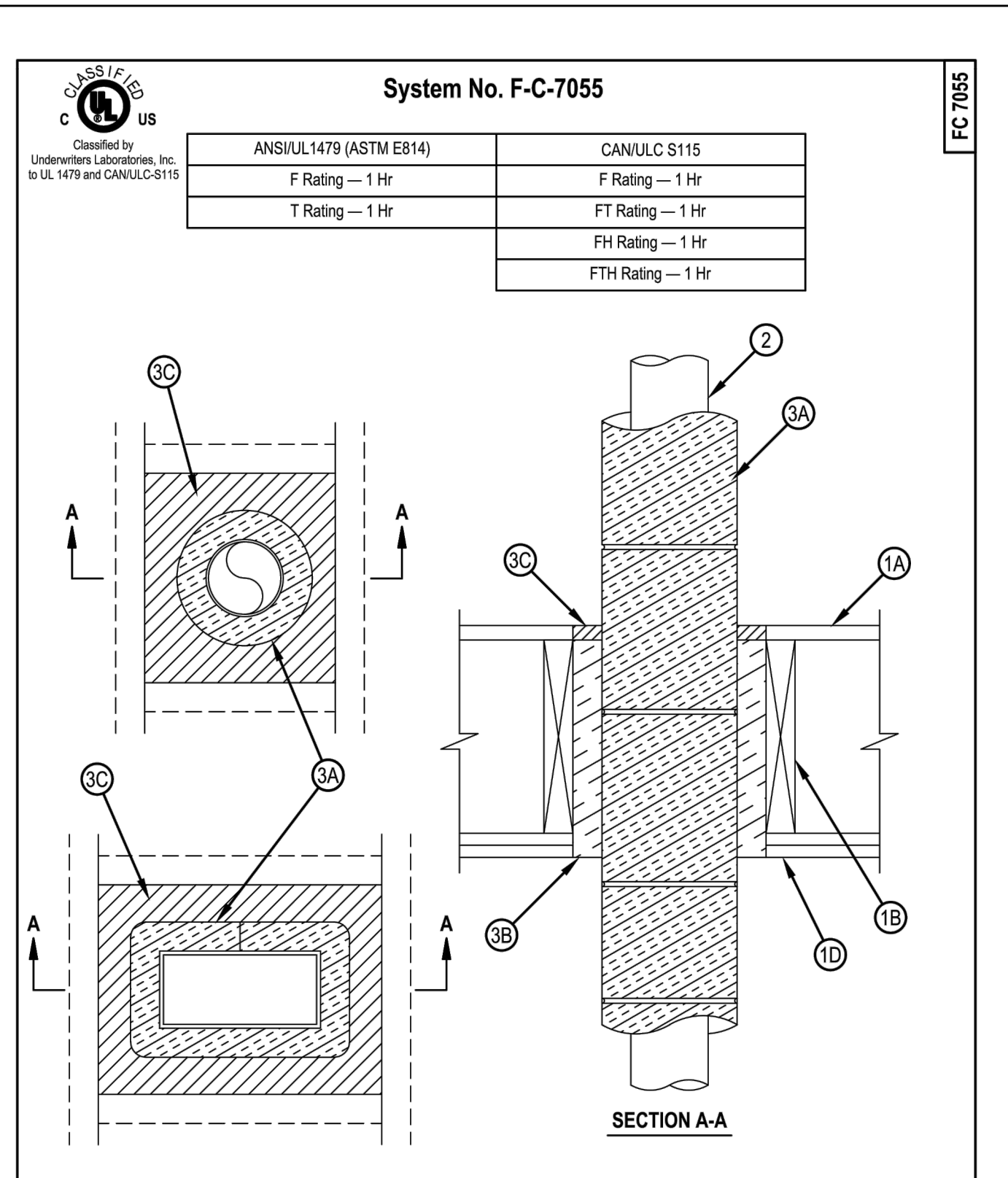








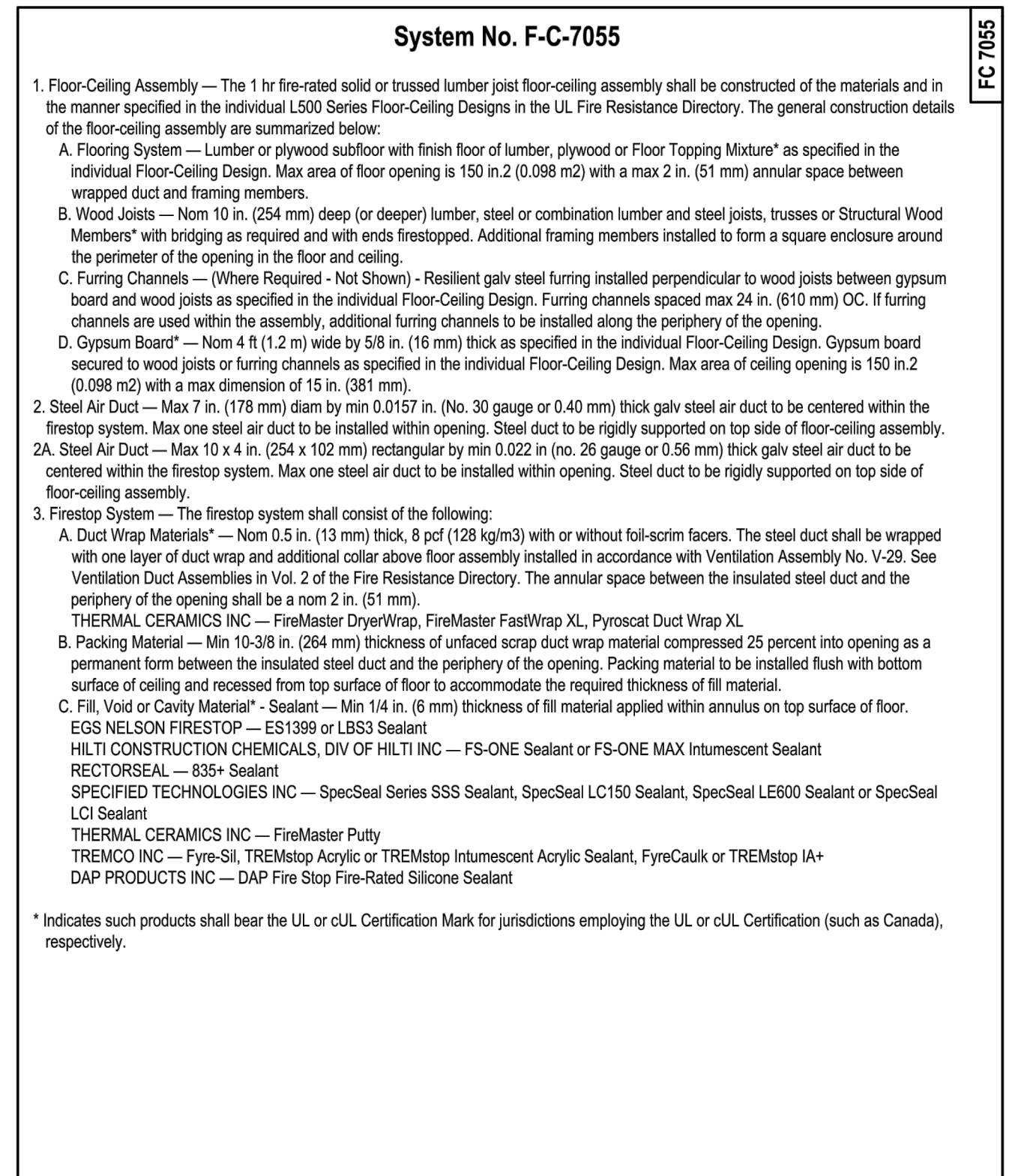




**System No. F-C-7055**

ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 Hr	F Rating — 1 Hr
T Rating — 1 Hr	FT Rating — 1 Hr
	FH Rating — 1 Hr
	FTH Rating — 1 Hr

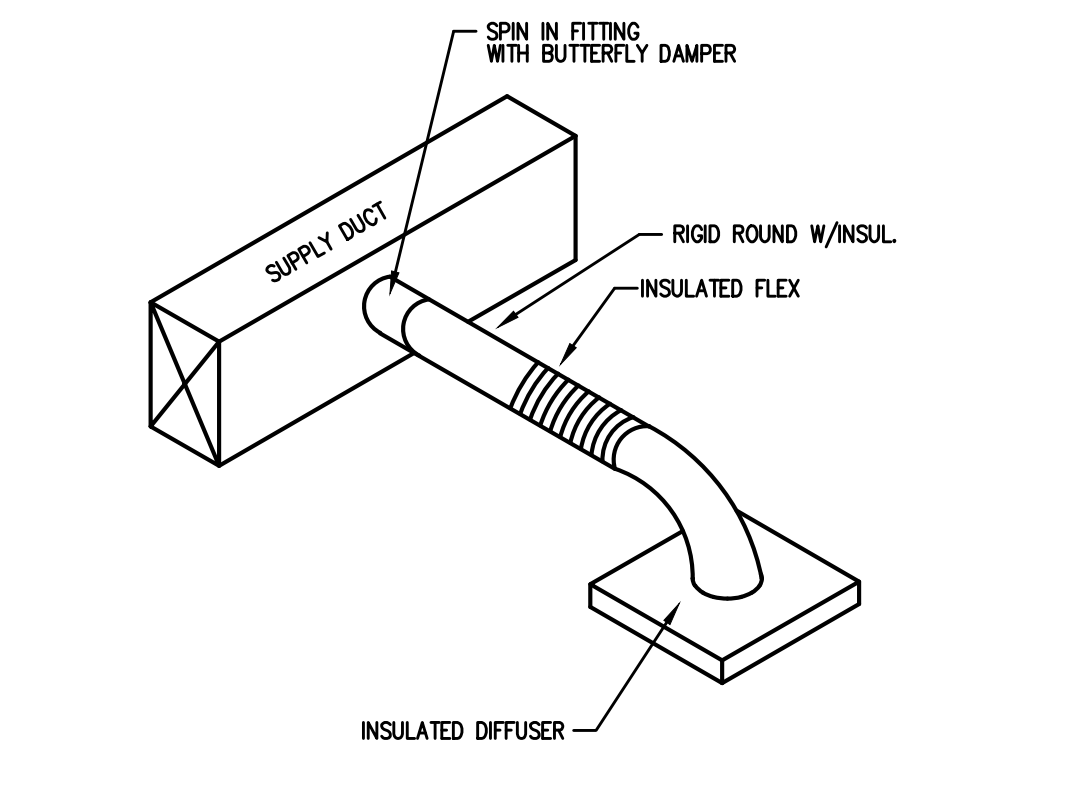
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**System No. F-C-7055**

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. March 27, 2017

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	RECTANGULAR CEILING MOUNTED S/A DIFFUSER
	RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE
	RUNOUT TO DIFFUSER W/VOLUME DAMPER AND CONE EXTRACTOR
	90 DEG. ELBOW W/ TURNING VANES
	CONDENSATE DRAIN PIPING
	REFRIGERANT PIPING
	HEATING AND COOLING THERMOSTAT. MOUNT 5'-0" A.F.F. AUTOMATIC CHANGEOVER.
	SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)
	DUCT SMOKE DETECTOR — FURNISHED BY M.C., INSTALLED BY M.C., WIRED BY M.C.
S/A	SUPPLY AIR
R/A	RETURN AIR
O/A	OUTSIDE AIR
S/D	SPLITTER DAMPER
M.D.	MANUAL DAMPER WITH LOCKING QUADRANTS
B.D.D.	BACKDRAFT DAMPER
A.F.F.	ABOVE FINISHED FLOOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	CEILING FIRE/RADIATION DAMPER
	VERTICAL FIRE DAMPER



**5 DIFFUSER TAKE-OFF DETAIL**  
N.T.S.

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 NC MECHANICAL CODE.

ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL IN ACCORDANCE WITH ASHRAE & SMACNA. DUCT SIZES SHOWN ARE NET FREE AREA REQUIRED. ALL SUPPLY AND RETURN DUCTS AND FLEX SHALL BE INSULATED WITH MIN. R-8.0 INSULATION UNLESS OTHERWISE NOTED IN THE DRAWING.

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE. ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW. VOLUME OR SPLITTER DAMPERS SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THROUGH WALLS.

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ARCHITECT.

MECHANICAL CONTRACTOR TO CONFIRM BREAKER/DISCONNECT SIZES OF HIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.

FURNISH AND INSTALL A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN DUCT OF THE A/C UNIT IN ACCORDANCE WITH 2018 NC MECHANICAL CODE. THE DETECTOR SHALL BE WIRED TO SHUT DOWN THE FAN IN THE EVENT THE DETECTOR IS ACTIVATED. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE DUCT DETECTOR AND RUN THE NECESSARY CONTROL WIRING FROM THE DETECTOR TO HIS EQUIPMENT. SMOKE DETECTORS ARE ONLY REQUIRED FOR UNITS SUPPLYING 2000 CFM OR MORE.

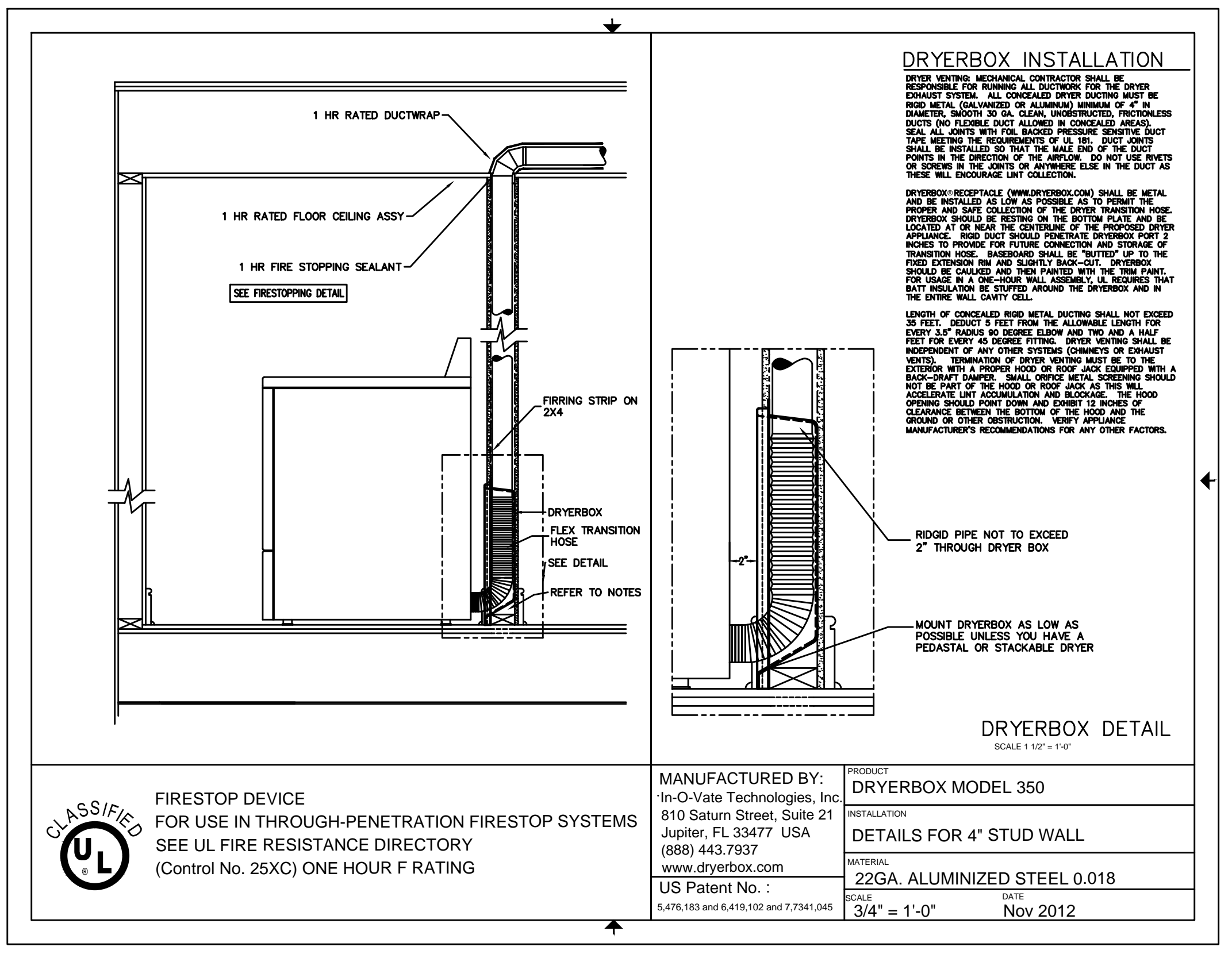
MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND ROUTING OF ALL DUCTWORK WITH OTHER TRADES TO AVOID CONFLICTS.

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR IN ACCORDANCE WITH THE PARTICULAR MANUFACTURER'S STANDARD GUARANTEE IF LONGER. ANY FAULTY MATERIAL OR WORKMANSHIP OR FAILURE OF ANY PART OF THE SYSTEM DURING NORMAL OPERATIONS UNDER THIS GUARANTEE SHALL BE CORRECTED WITHOUT COST TO THE OWNER.

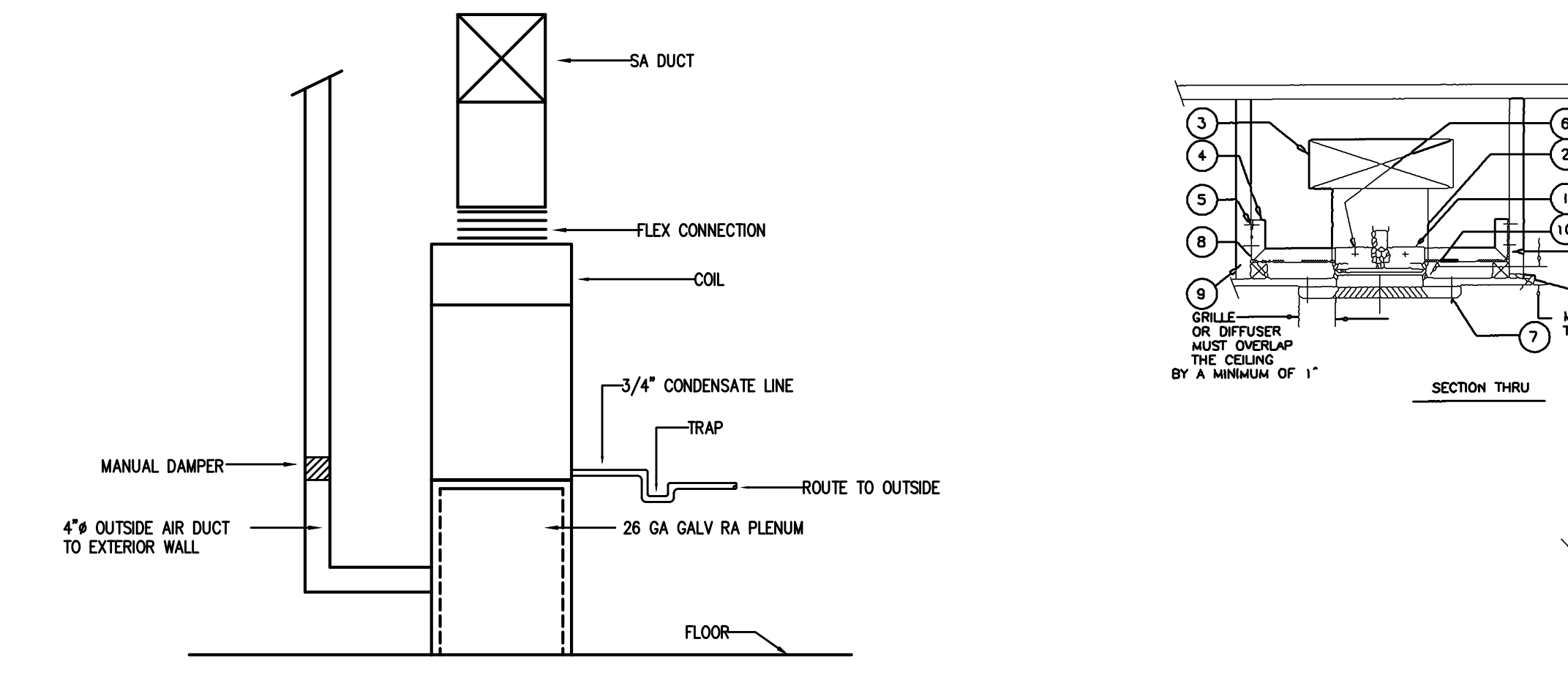
ALL THERMOSTATS SHALL BE OF A PROGRAMMABLE TYPE.

BUILDING CONTRACTOR SHALL PROVIDE PERMANENT ACCESS TO ROOF STRUCTURE FOR ACCESS TO MECHANICAL EQUIPMENT WHEN ROOF STRUCTURE IS GREATER THAN 16'-0" HIGH.

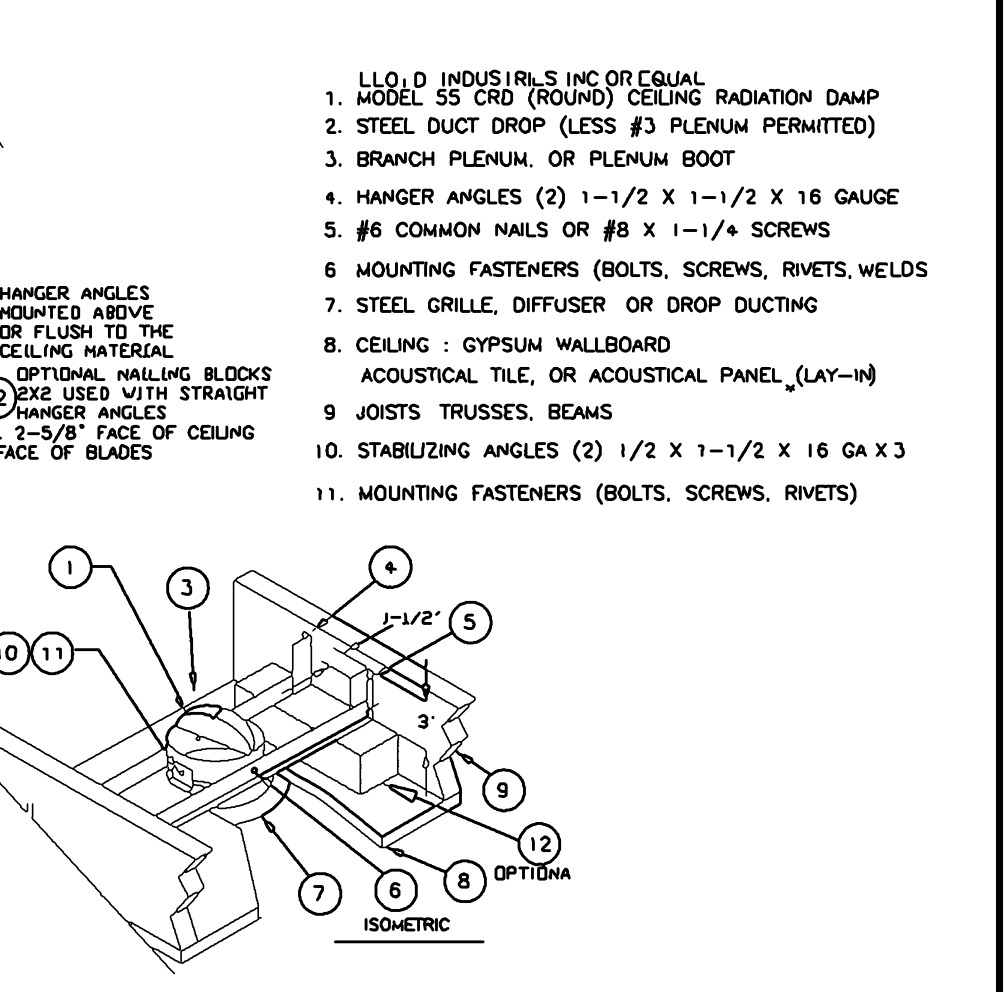
**2 HVAC NOTES**  
N.T.S.



**1 DRYER VENT DETAIL**  
N.T.S.



**3 AIR HANDLER DETAIL**  
N.T.S.



**4 RADIATION DAMPER DETAIL**  
N.T.S.

APR 27, 2021

PERMITTING STAMP:

**Coastal Plains Engineering, P.A.**  
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**North Carolina Professional Engineer Seal 20193**  
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**Designed to Build**  
A Sensible Approach

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1920 FT. BRAGG ROAD  
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andy@designedtobuild.com

FAIRWAY POINTE at ANDERSON CREEK CLUB  
THREE-STORY, TEN-UNIT BUILDING  
GALLERY DRIVE, BUILDING  
SPRING LAKE, NORTH CAROLINA 28390

NO.	REVISION	DATE	BY	DESCRIPTION

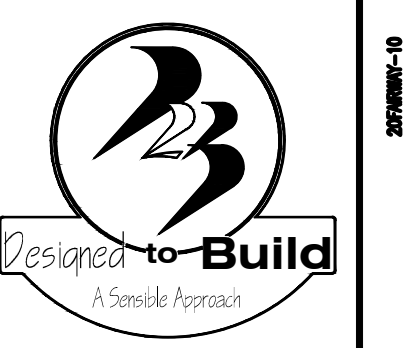
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SHEET TITLE:  
HVAC NOTES &  
DETAILS

M4  
SHEET OF



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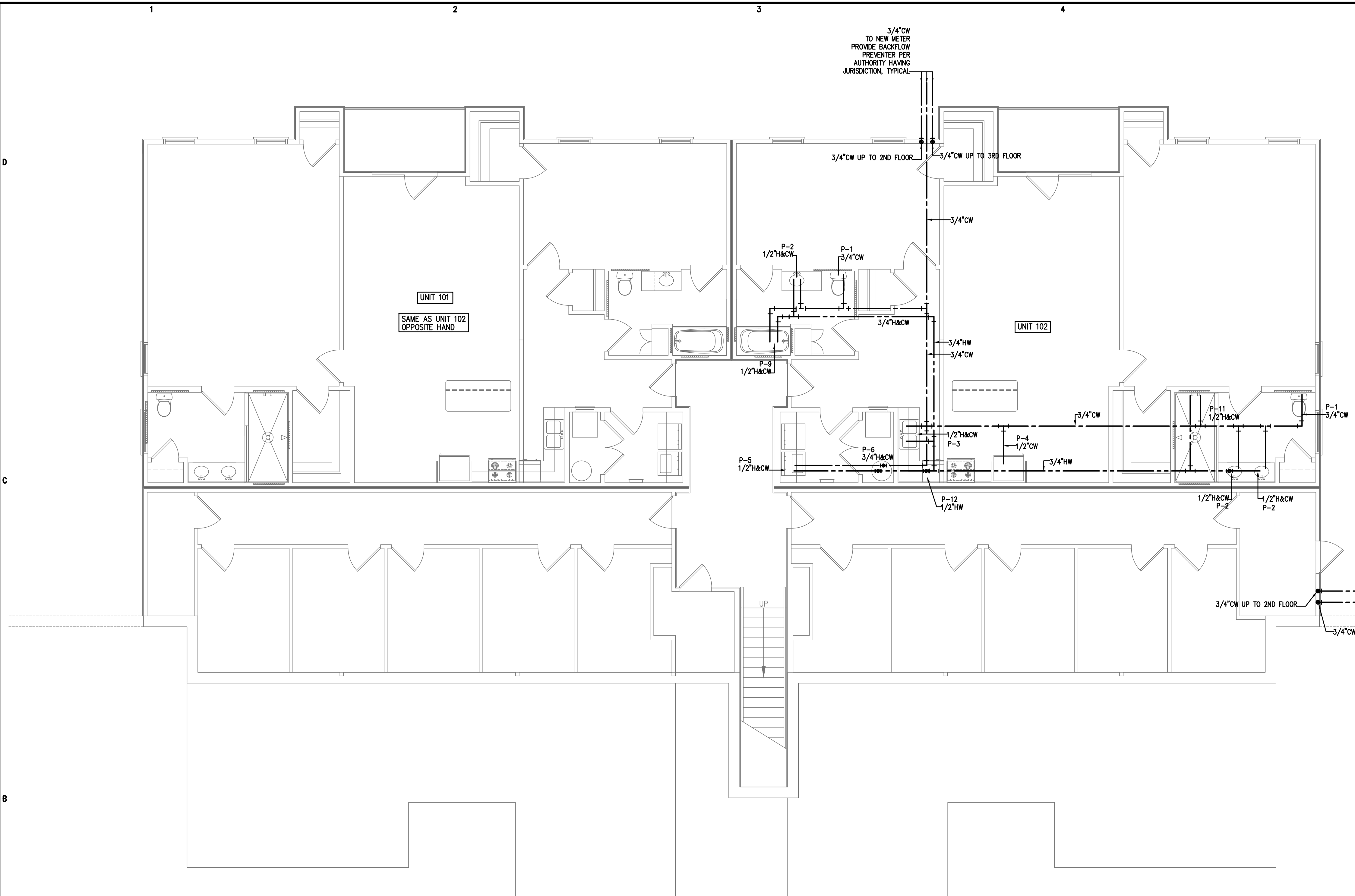
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SHEET TITLE:  
PLUMBING PLAN  
FIRST FLOOR

P1  
SHEET OF



**PLUMBING FIXTURE SCHEDULE**

P-1 WATER CLOSET, FLOOR MOUNTED, ELONGATED BOWL, TANK TYPE	P-7 SHOWER, 36" WIDE x 36" DEEP WITH LEVER TYPE FAUCET
P-2 LAVATORY WITH LEVER TYPE FAUCET AND POP UP DRAIN	P-8 SHOWER, 48" WIDE x 36" DEEP WITH LEVER TYPE FAUCET
P-3 KITCHEN SINK WITH LEVER TYPE FAUCET	P-9 DROP-IN TUB, 60" WIDE x 30" DEEP WITH LEVER TYPE FAUCET
P-4 ICE MAKER OUTLET BOX AND VALVE	P-10 DROP-IN TUB, 60" WIDE x 30" DEEP WITH LEVER TYPE FAUCET AND DECK
P-5 WASHING MACHINE OUTLET BOX	P-11 SHOWER, ACCESSIBLE TYPE
P-6 WATER HEATER AND DRAIN PAN	P-12 RESIDENTIAL DISHWASHER

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE AS WELL AS ALL LOCAL AND OTHER APPLICABLE CODES.

ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN.

WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 100 PSI. ALL WATER PIPING AT WATER FIXTURES SHALL BE PROVIDED WITH 18" AIR CHAMBERS OR SHOCK ABSORBERS. STOPS SHALL BE PROVIDED ON HOT AND COLD WATER LINES. HOT WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL RUBBER. THE ENTIRE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE. PVC/PEX MAYBE SUBSTITUTED FOR COPPER.

SANITARY SEWER LINES SHALL BE PVC.

PROVIDE PRESSURE REDUCING VALVE IF STREET WATER EXCEEDS 80 PSI.

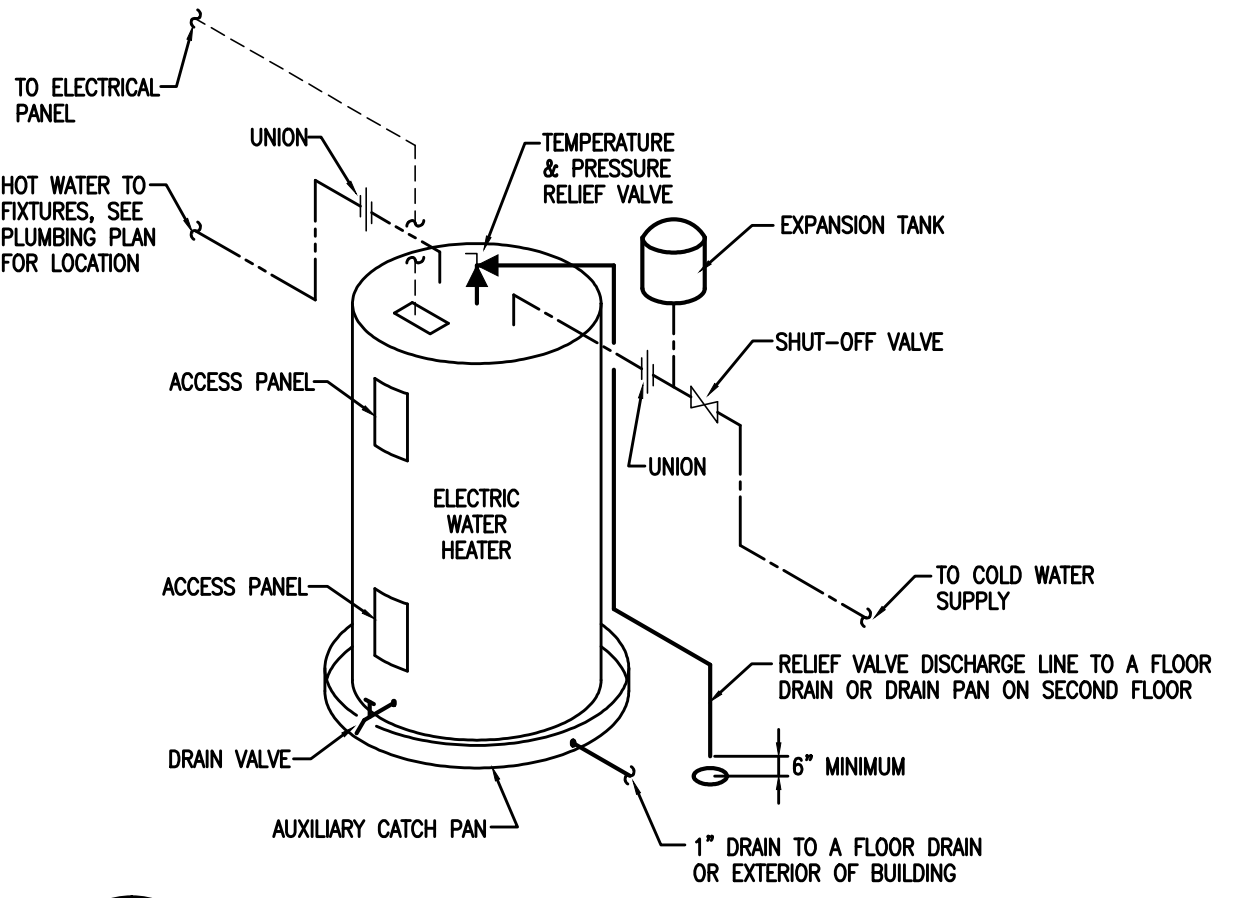
GAS PIPING WILL BE SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE IRON SCREW-TYPE FITTINGS.

THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK AND SHALL INSTALL FIRE RATED SLEEVES WHEREVER PENETRATIONS OF RATED WALLS OR FLOORS ARE MADE. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS AND ARCHITECTURAL SITE PLANS FOR WORK BY OTHERS.

LOCATION OF UTILITIES (WASTE AND WATER LINES, MANHOLES ETC.) THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE THE FINAL CONNECTION AS REQUIRED.

ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMERS.

**3 PLUMBING NOTES**  
N.T.S.



**2 WH DETAIL**  
N.T.S.

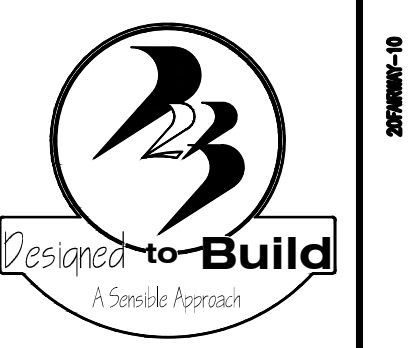
**1 PLUMBING PLAN-1ST FLOOR WATER PIPING**  
3/16"=1'-0"

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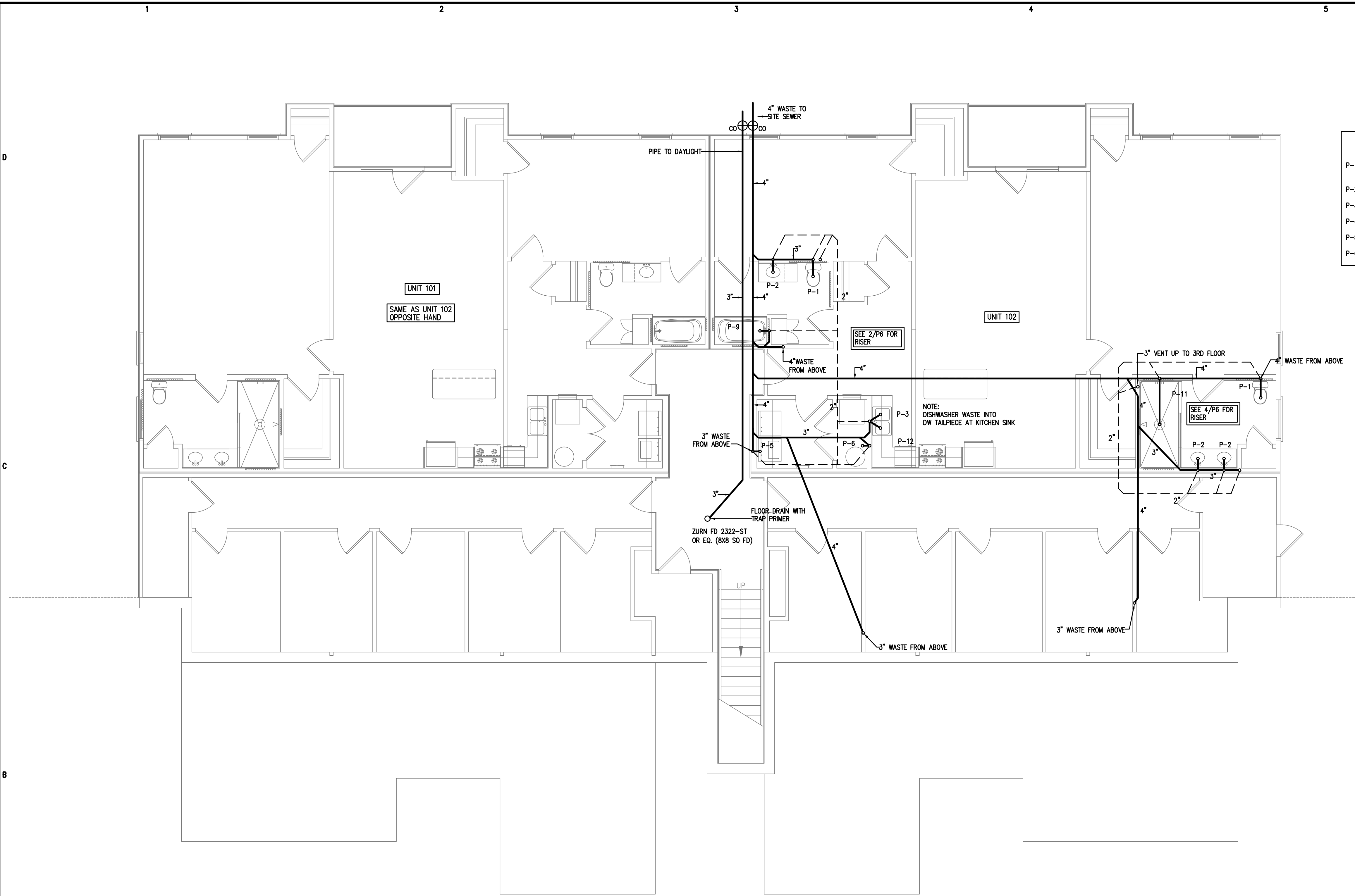
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P-6 WATER HEATER AND DRAIN PAN	P-12 RESIDENTIAL DISHWASHER



GENERAL PLUMBING SYMBOLS	
	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	ELBOW
	WALL CLEANOUT
	FLOOR CLEANOUT
	GATE VALVE
	COLD WATER
	HOT WATER
	VENT PIPING
	WASTE PIPING
	ROOF DRAIN PIPING

1 PLUMBING PLAN-1ST FLOOR WASTE/VENT PIPING  
 P2 3/16"=1'-0"

FAIRWAY POINTE at ANDERSON CREEK CLUB  
 THREE-STORY, TEN-UNIT BUILDING  
 GALLERY DRIVE, BUILDING \_\_\_\_\_  
 SPRING LAKE, NORTH CAROLINA 28390

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SHEET TITLE:  
 PLUMBING PLAN  
 FIRST FLOOR

P2  
 SHEET OF

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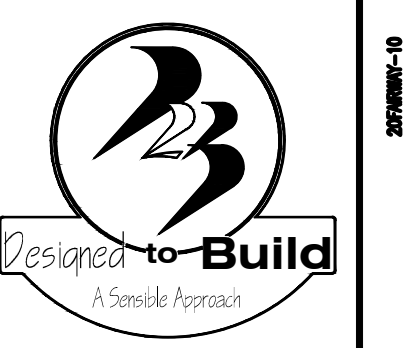


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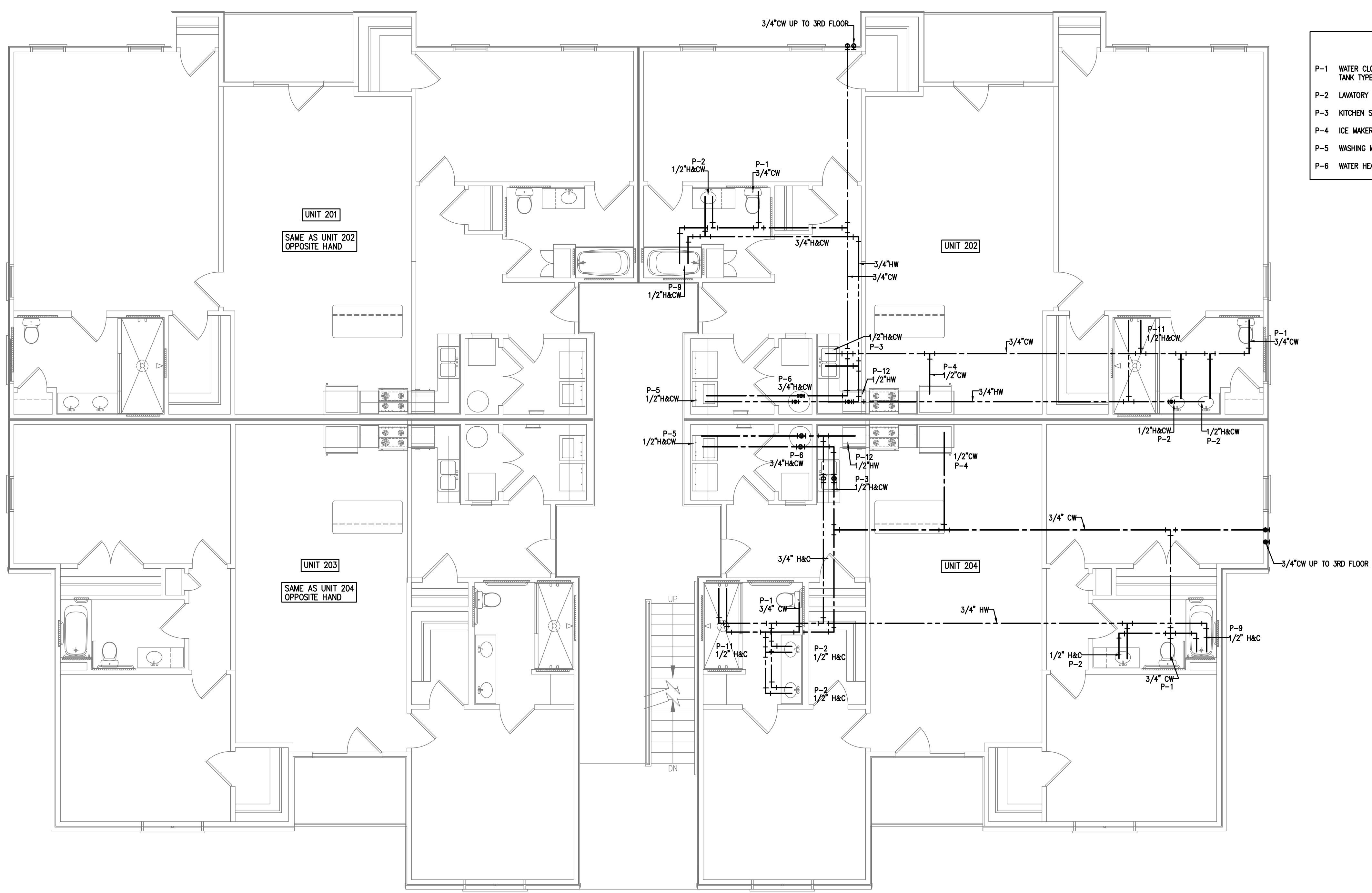


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1 PLUMBING PLAN-2ND FLOOR WATER PIPING  
 P3 3/16"=1'-0"

FAIRWAY POINTE at ANDERSON CREEK CLUB  
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 SECOND FLOOR

P3  
 SHEET OF

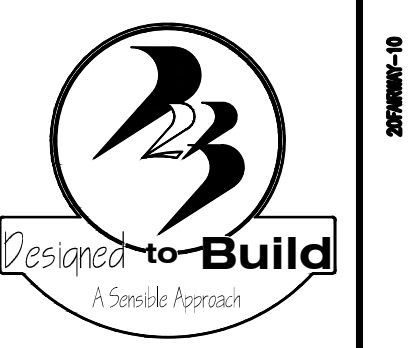
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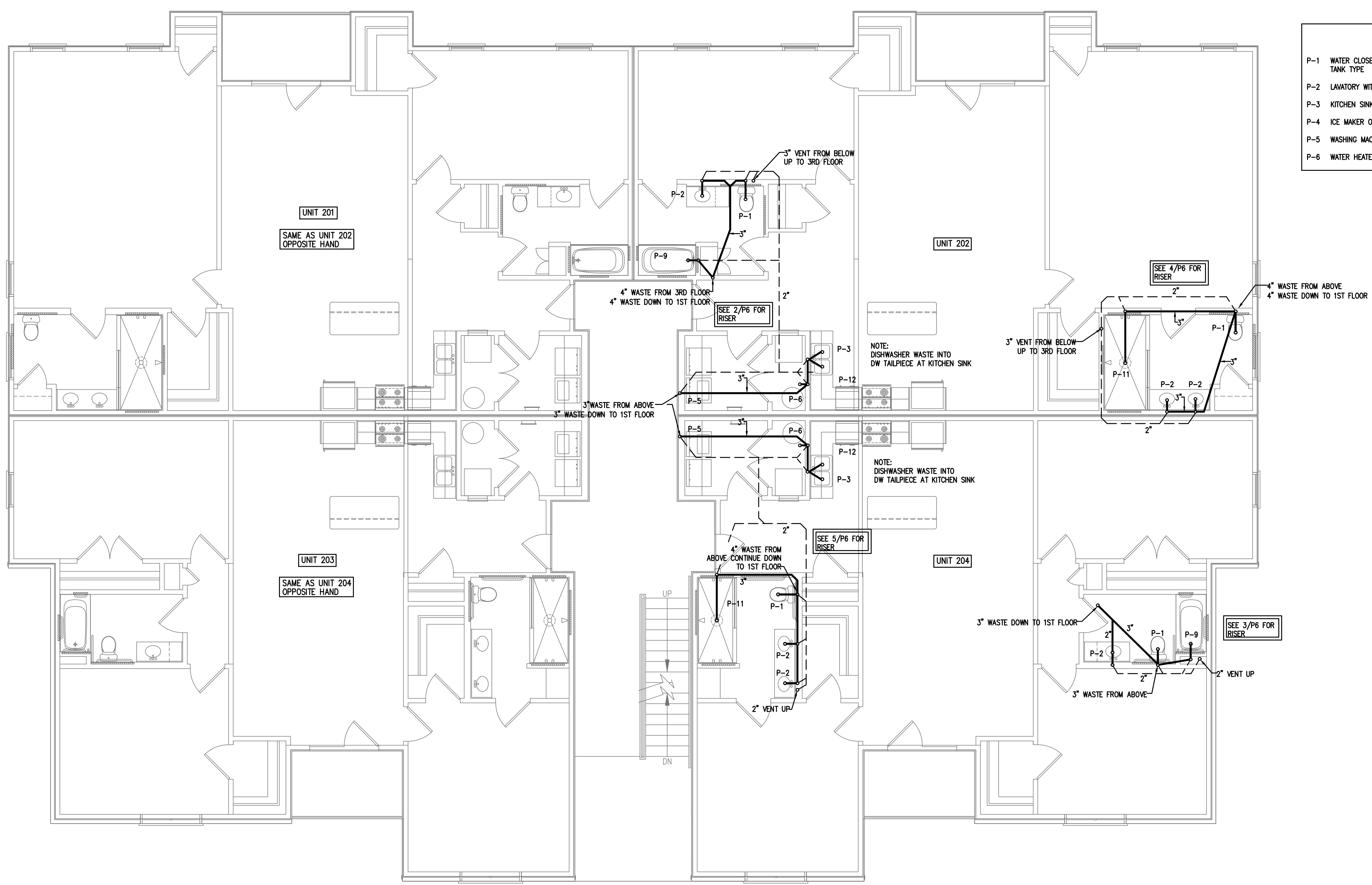
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 SECOND FLOOR

P4  
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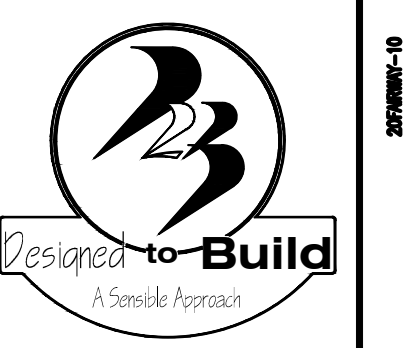
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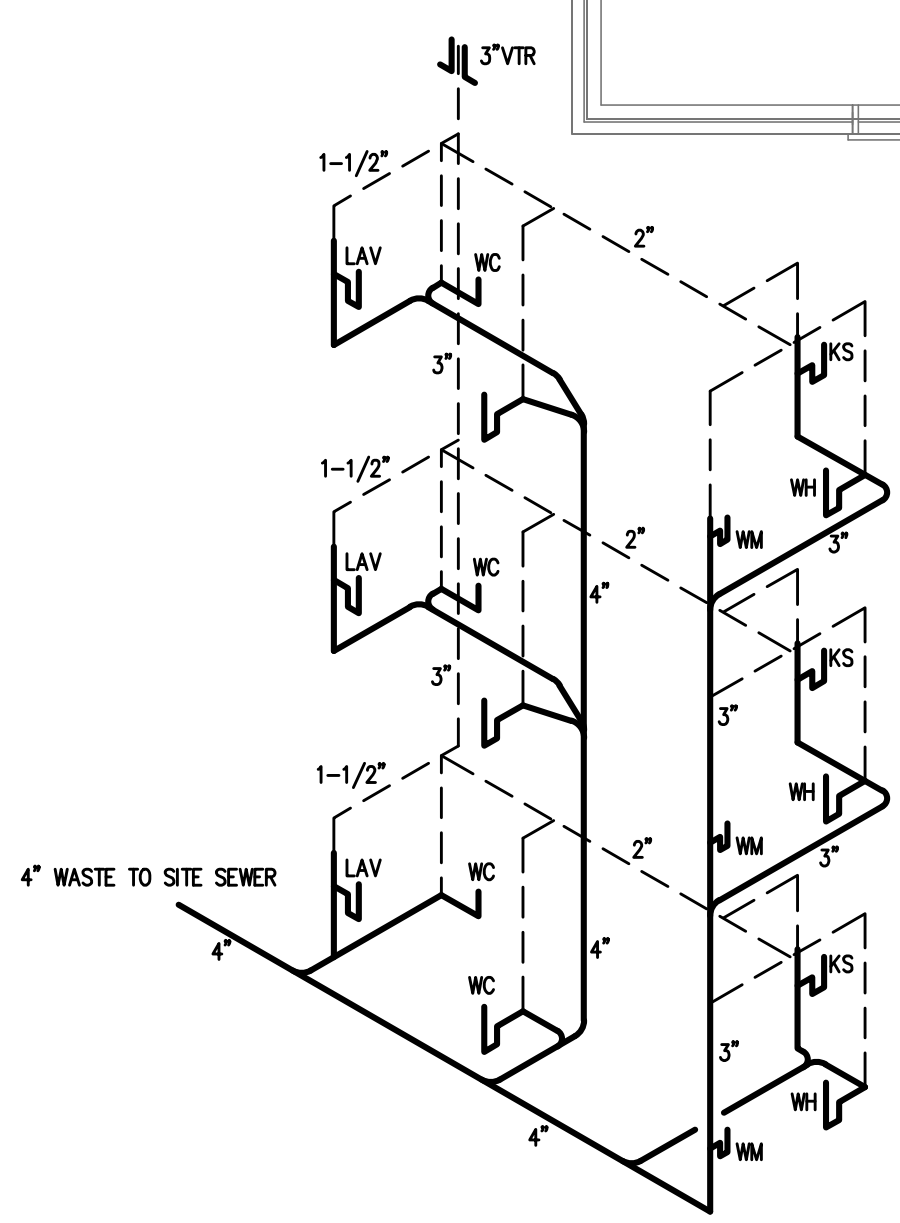
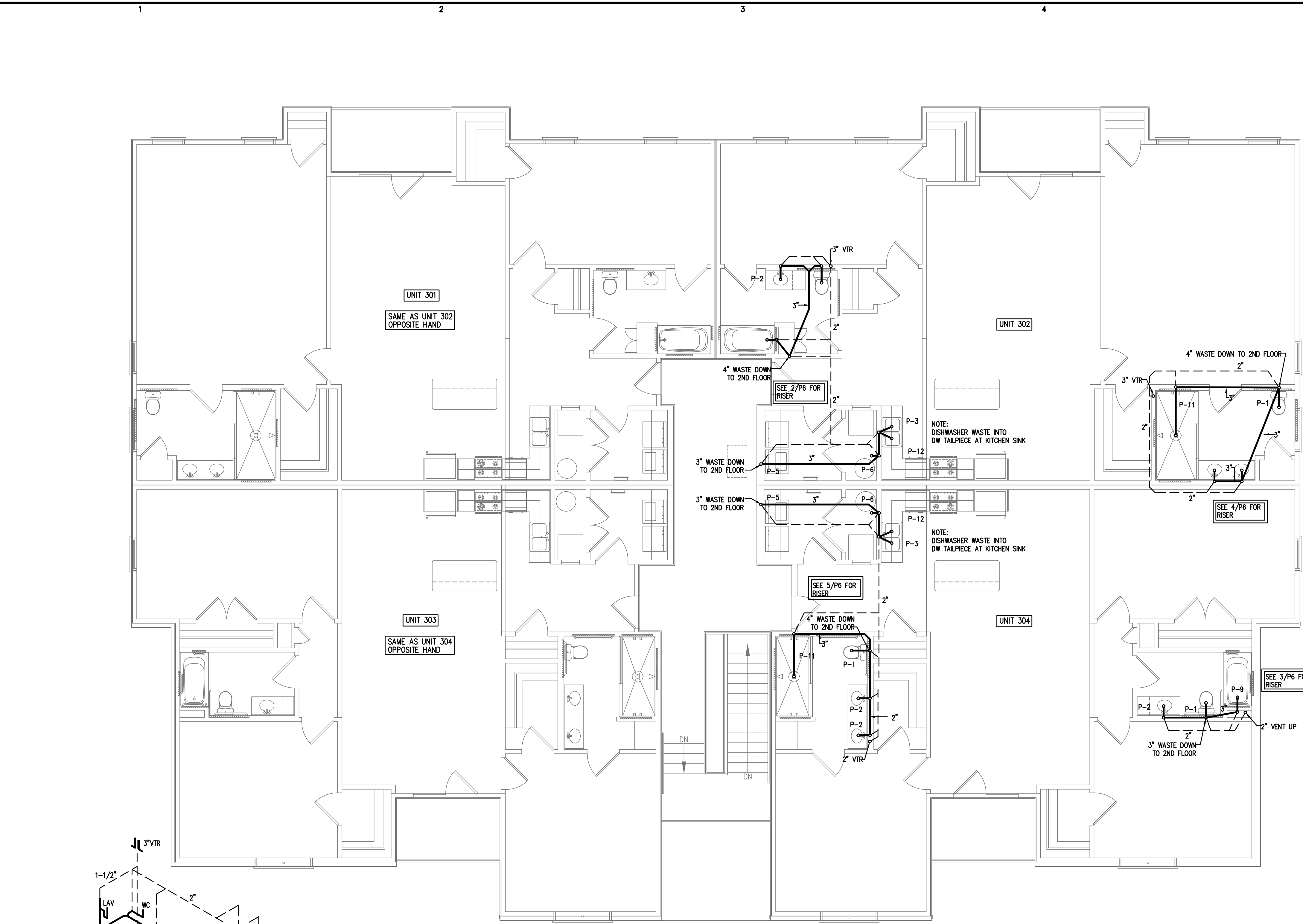
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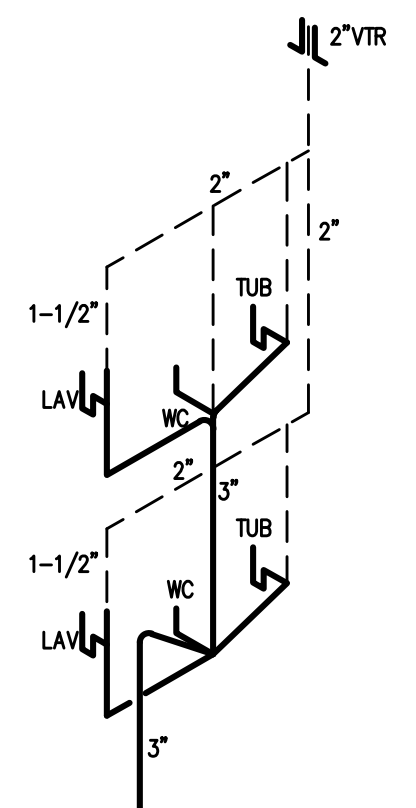
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 PLUMBING PLAN  
 THIRD FLOOR

P6  
 SHEET OF

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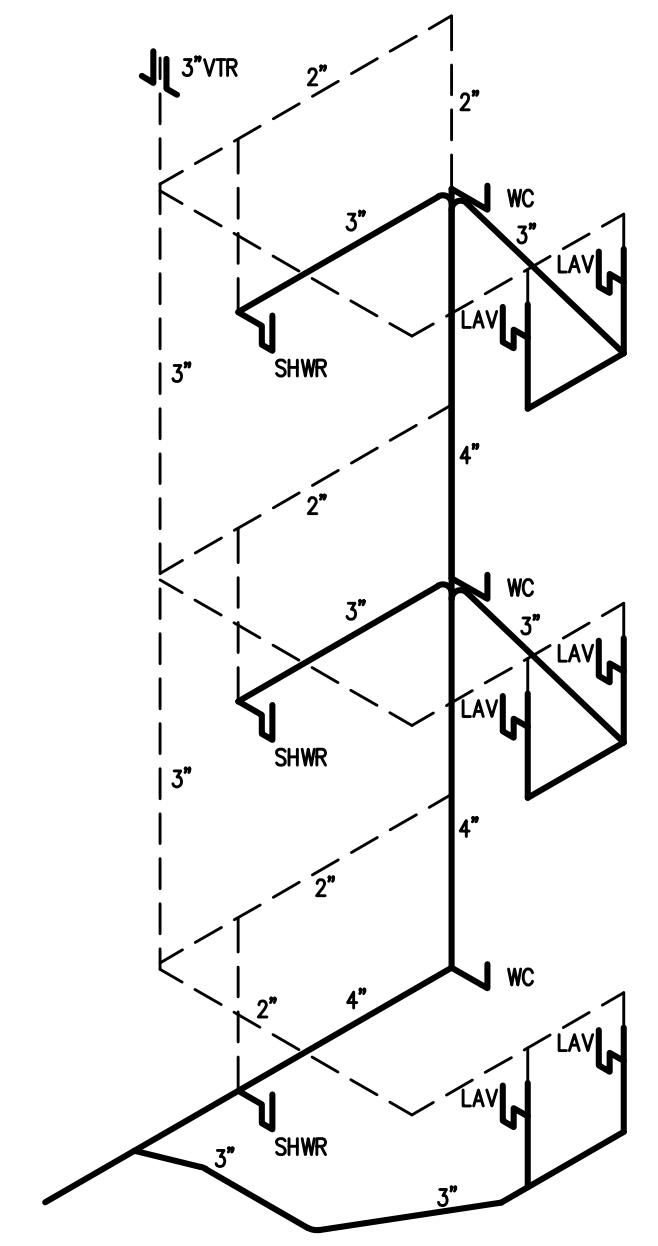


2 WASTE RISER DIAGRAM  
 P6 N.T.S.

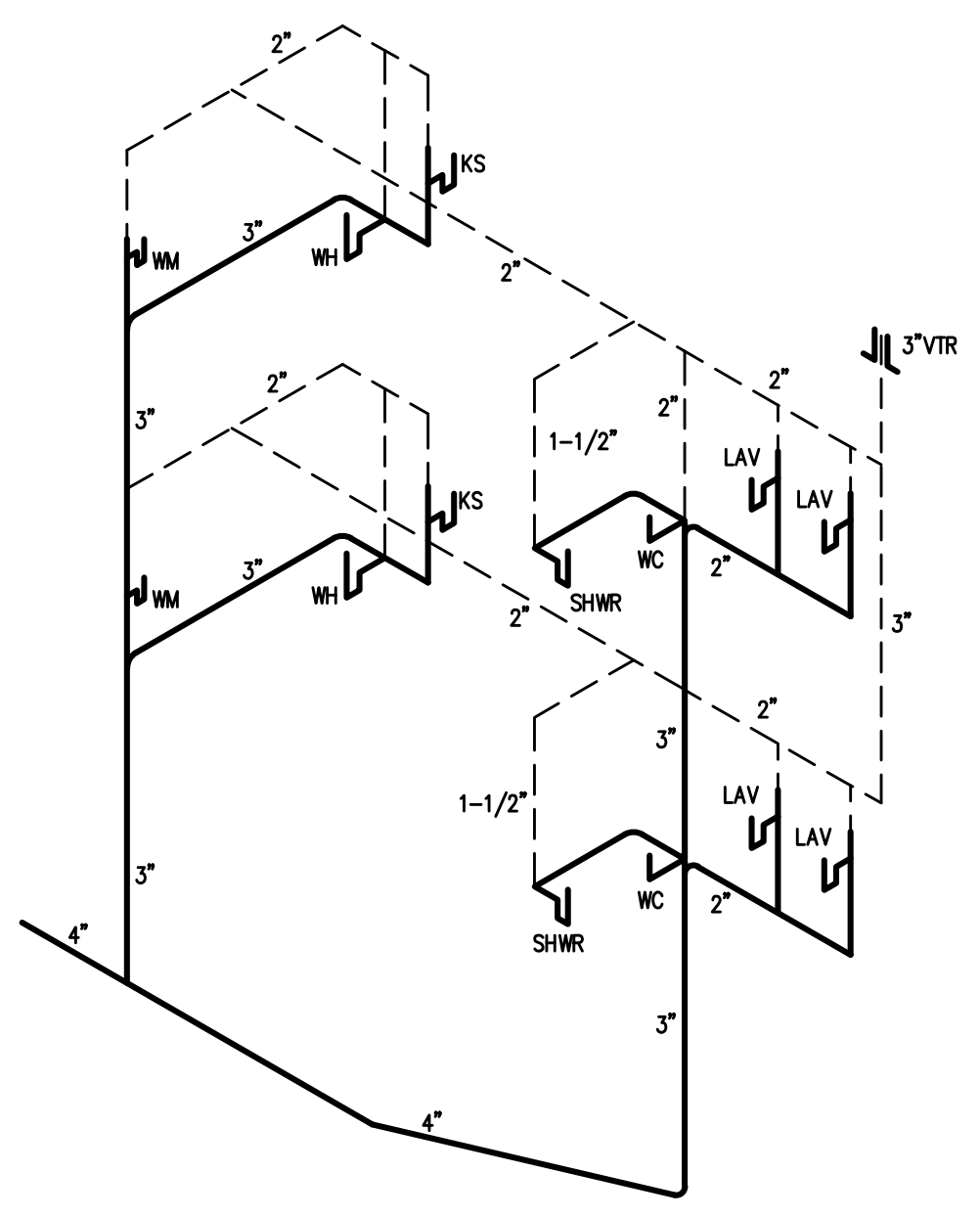


3 WASTE RISER DIAGRAM  
 P6 N.T.S.

1 PLUMBING PLAN-3RD FLOOR WASTE/VENT PIPING  
 P6 3/16"=1'-0"



4 WASTE RISER DIAGRAM  
 P6 N.T.S.



5 WASTE RISER DIAGRAM  
 P6 N.T.S.

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