

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

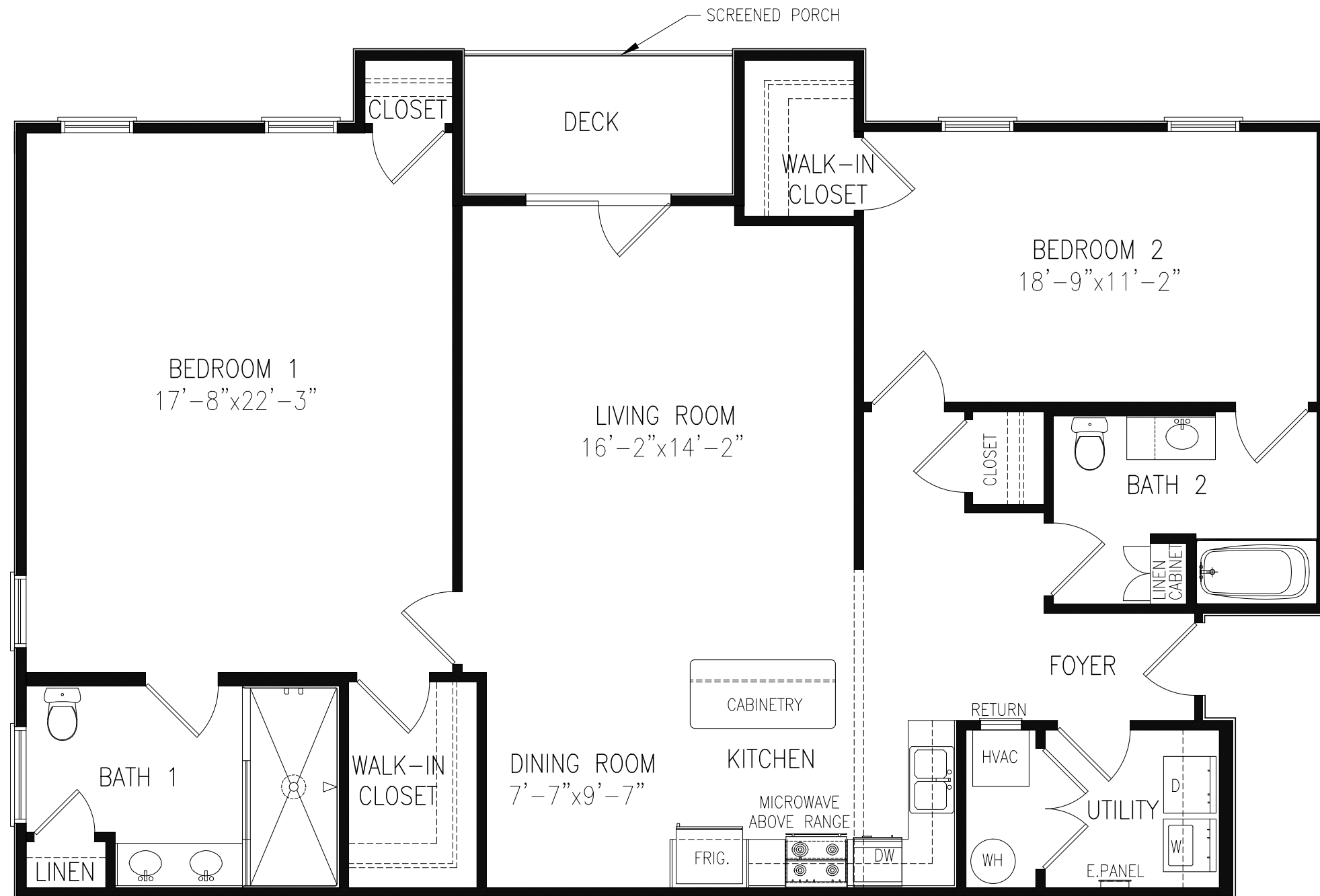
FRONT UNIT – TOTAL: 1,698 SQ.FT. – HEATED: 1,639 SQ.FT.

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



www.designedtobuild.com



A1

REAR UNIT – 2 BEDROOM – 2 BATH FLOOR PLAN

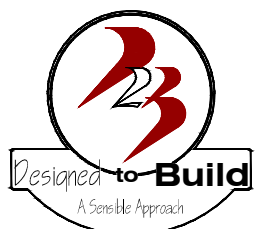
SCALE: N.T.S.

SECOND FLOOR TYPE "B" UNIT SHOWN

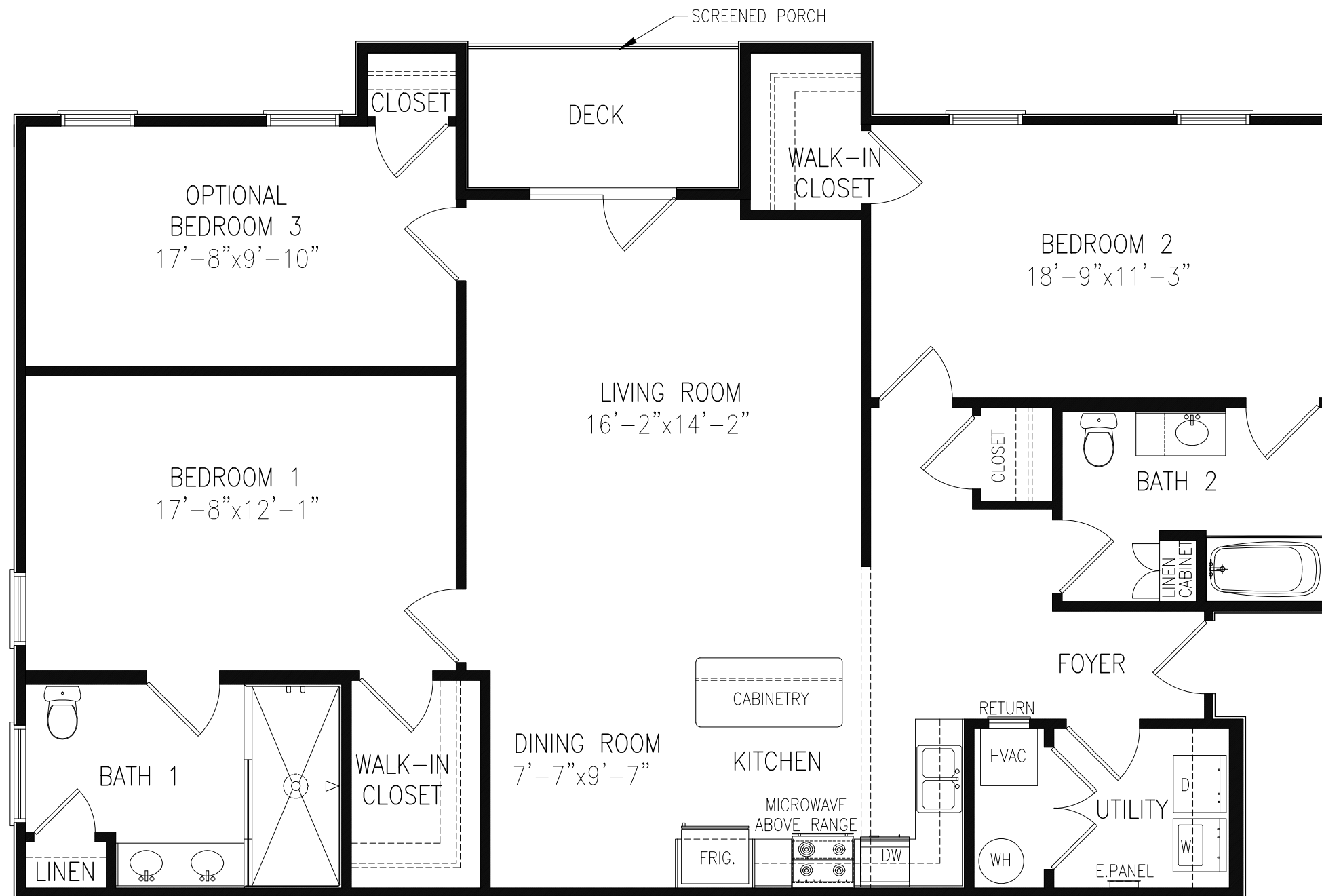
REAR UNIT TOTAL: 1,746 SQ.FT. – HEATED: 1,679 SQ.FT.

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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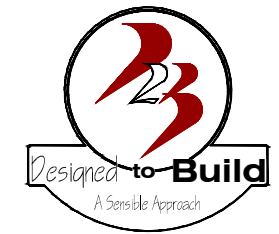


REAR UNIT TOTAL: 1,746 SQ.FT. – HEATED: 1,679 SQ.FT.

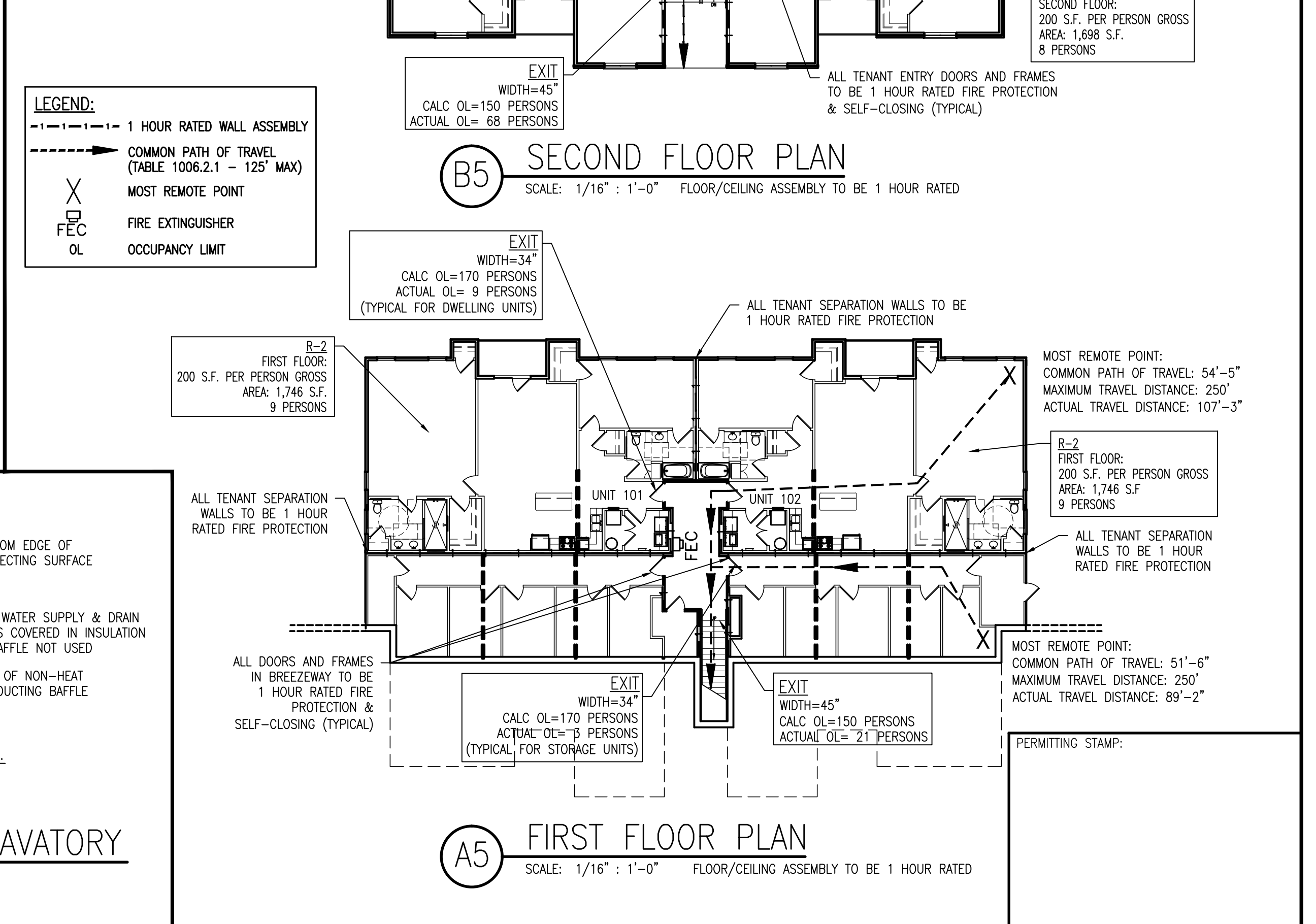
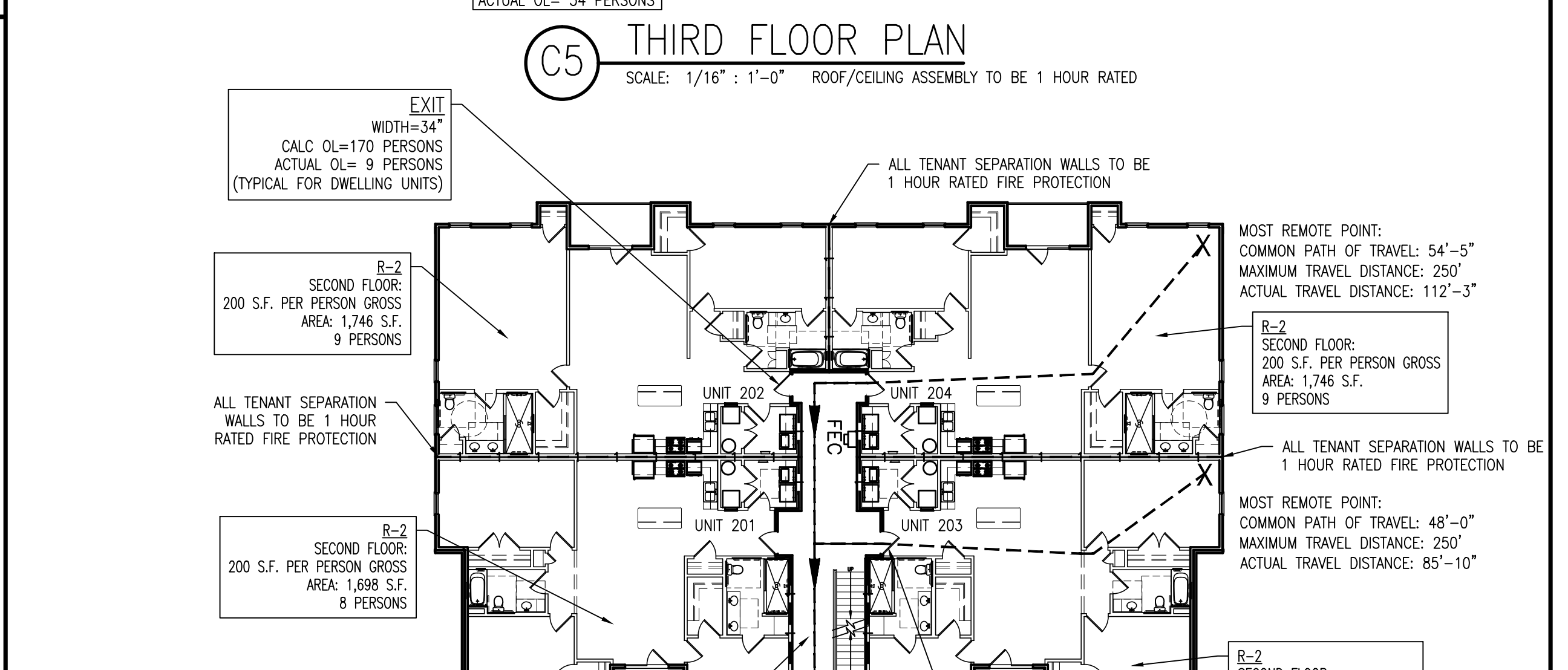
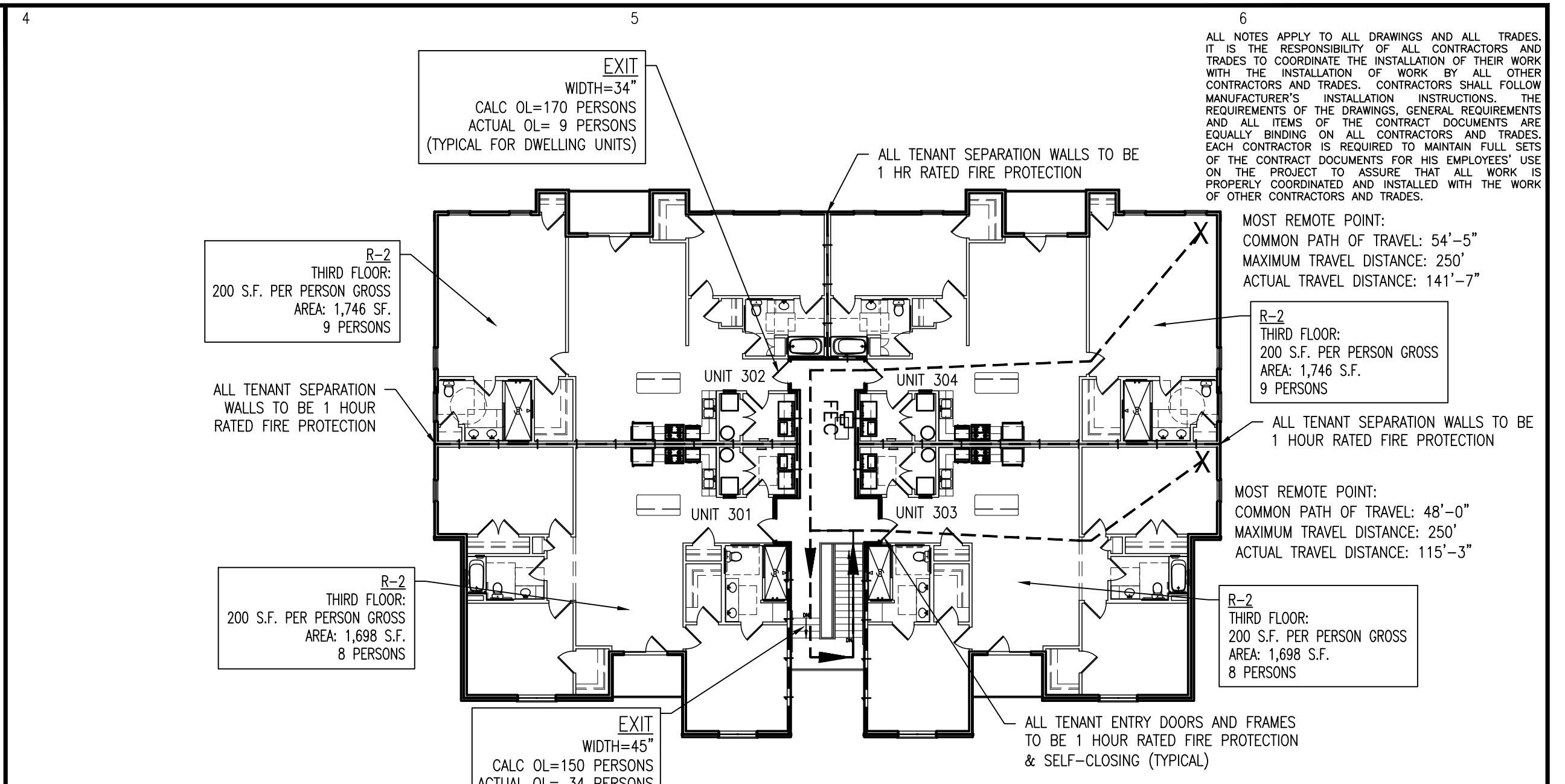
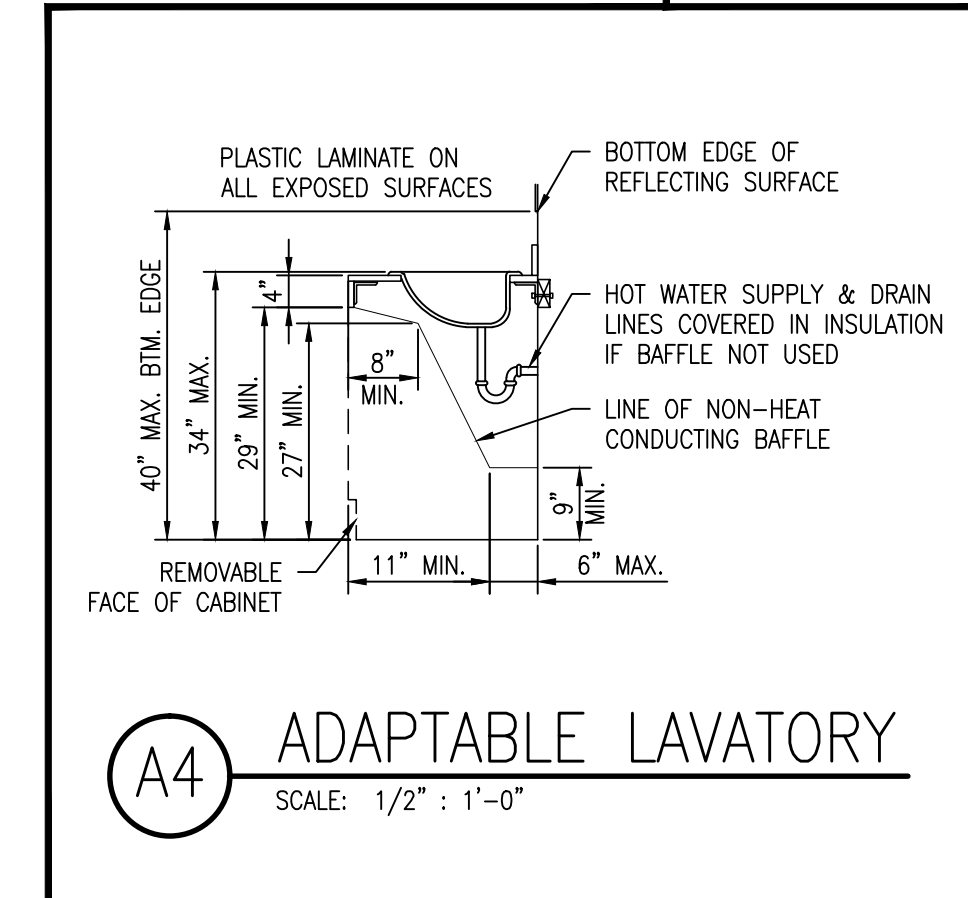
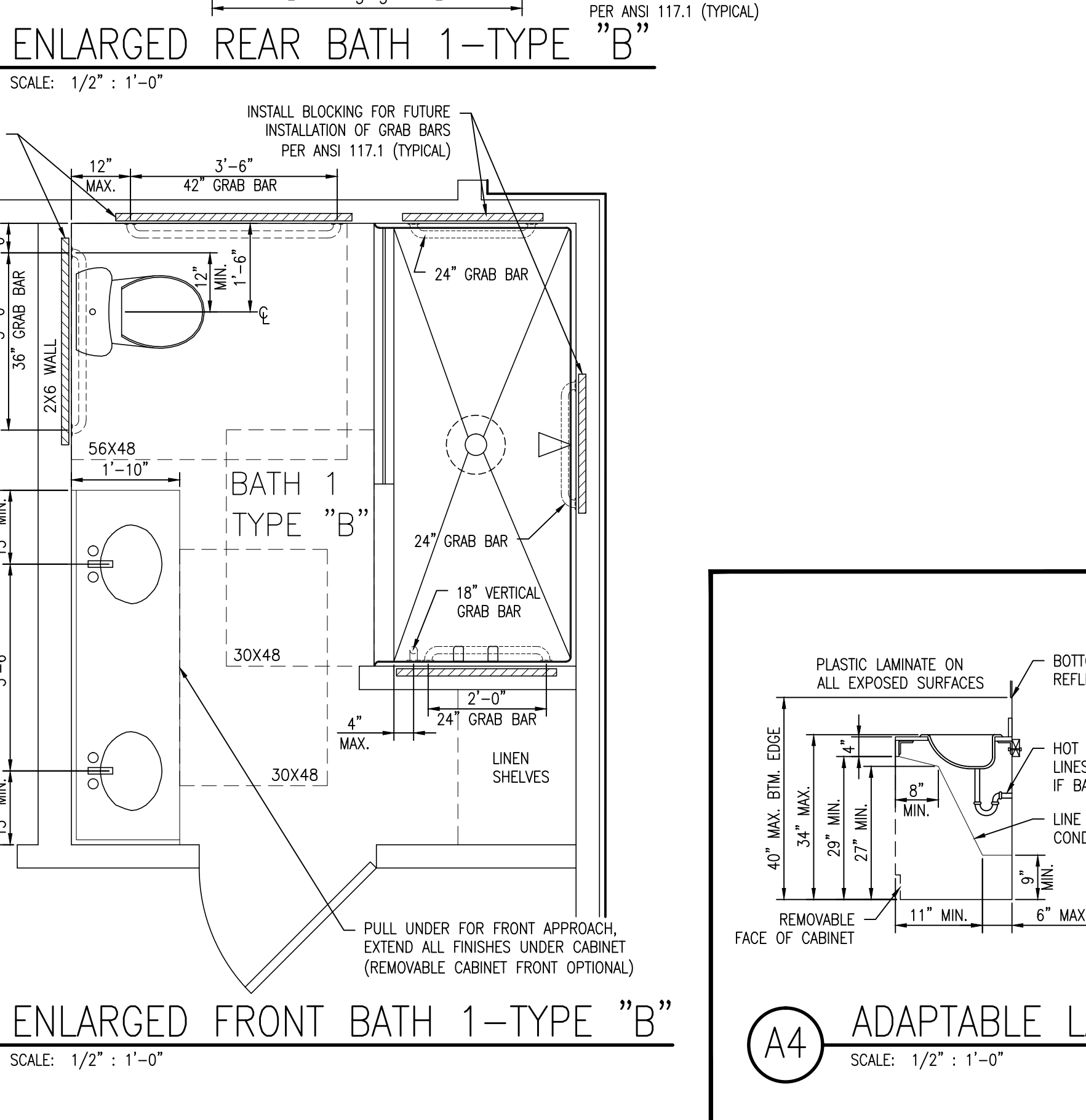
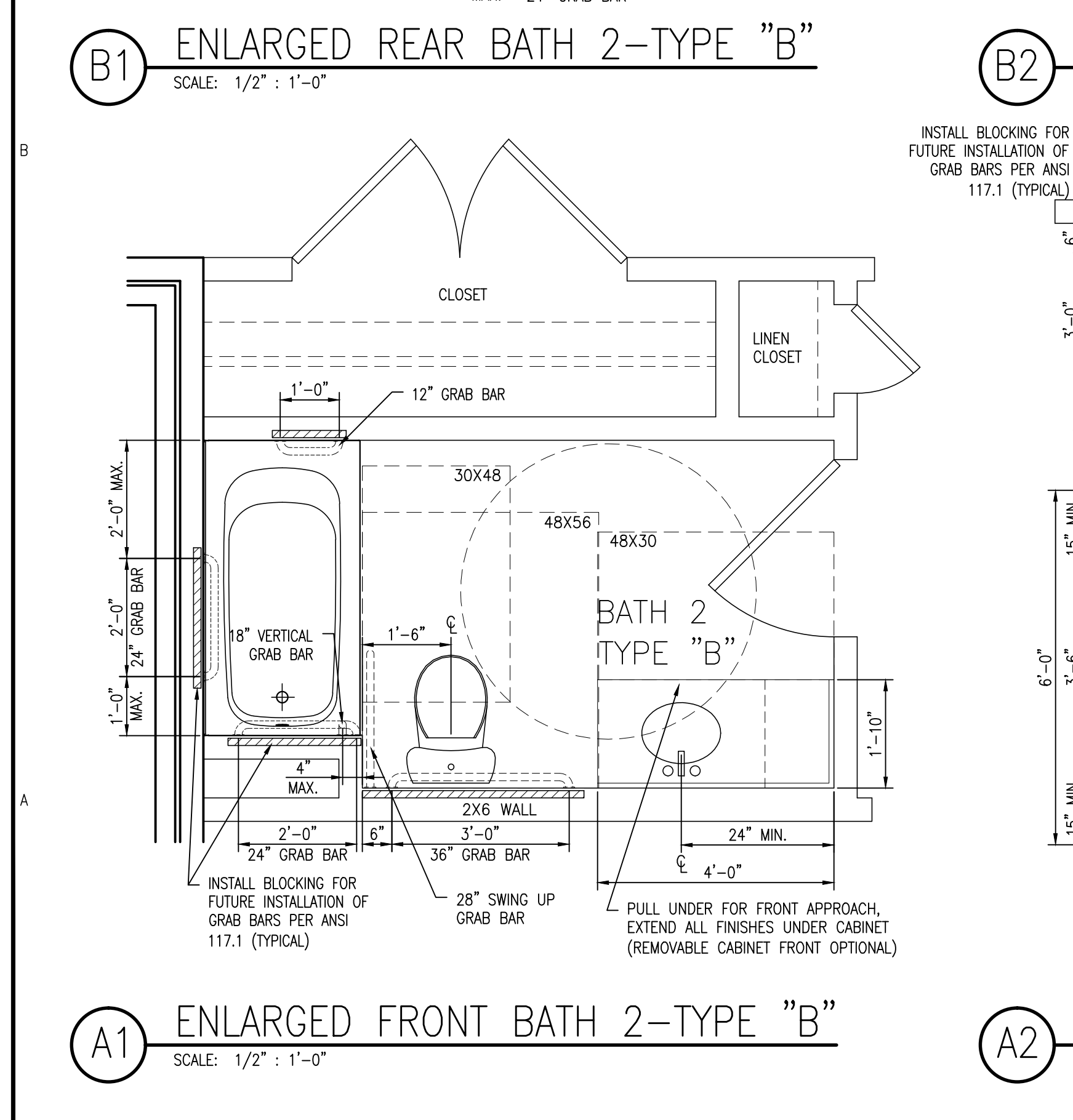
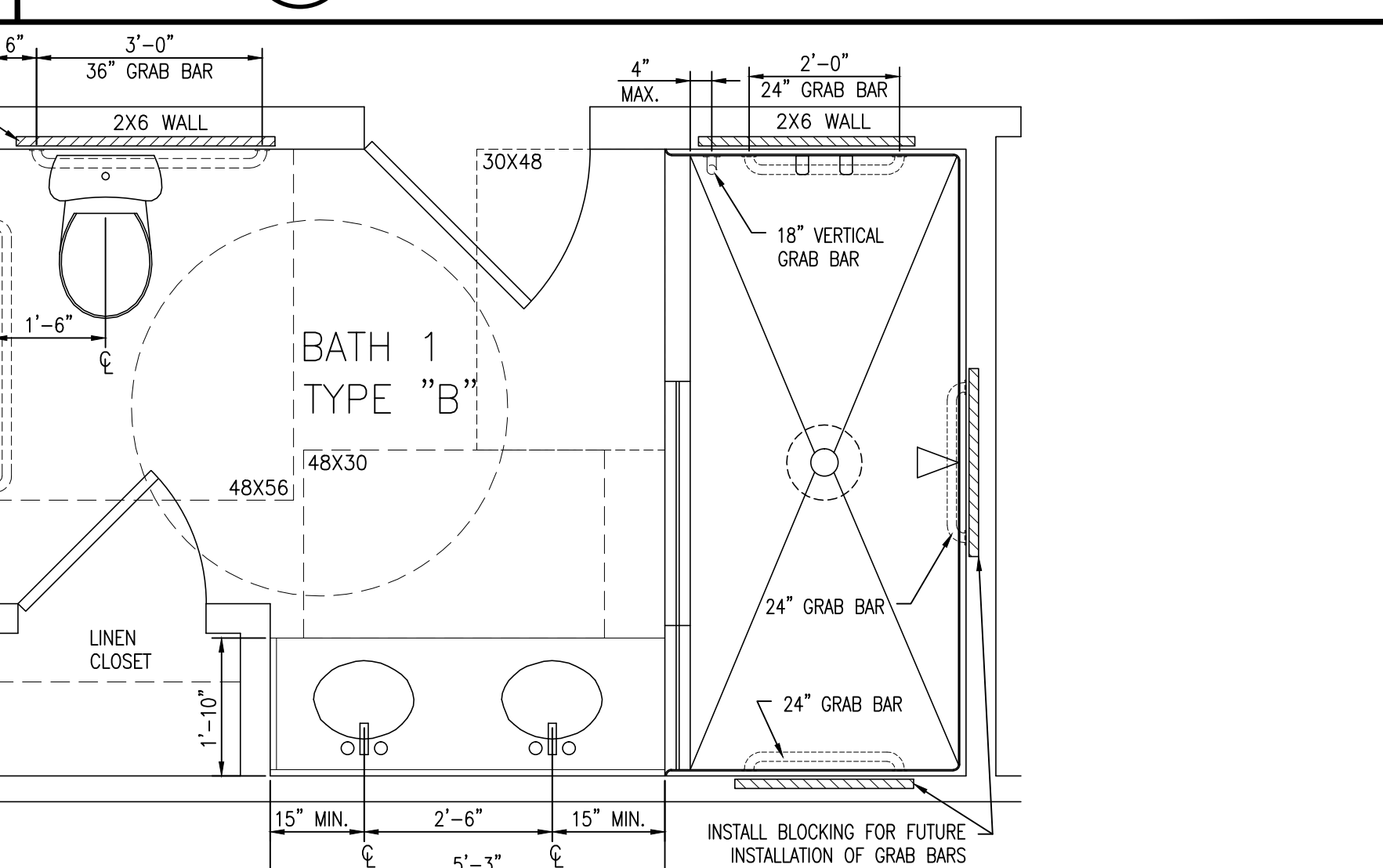
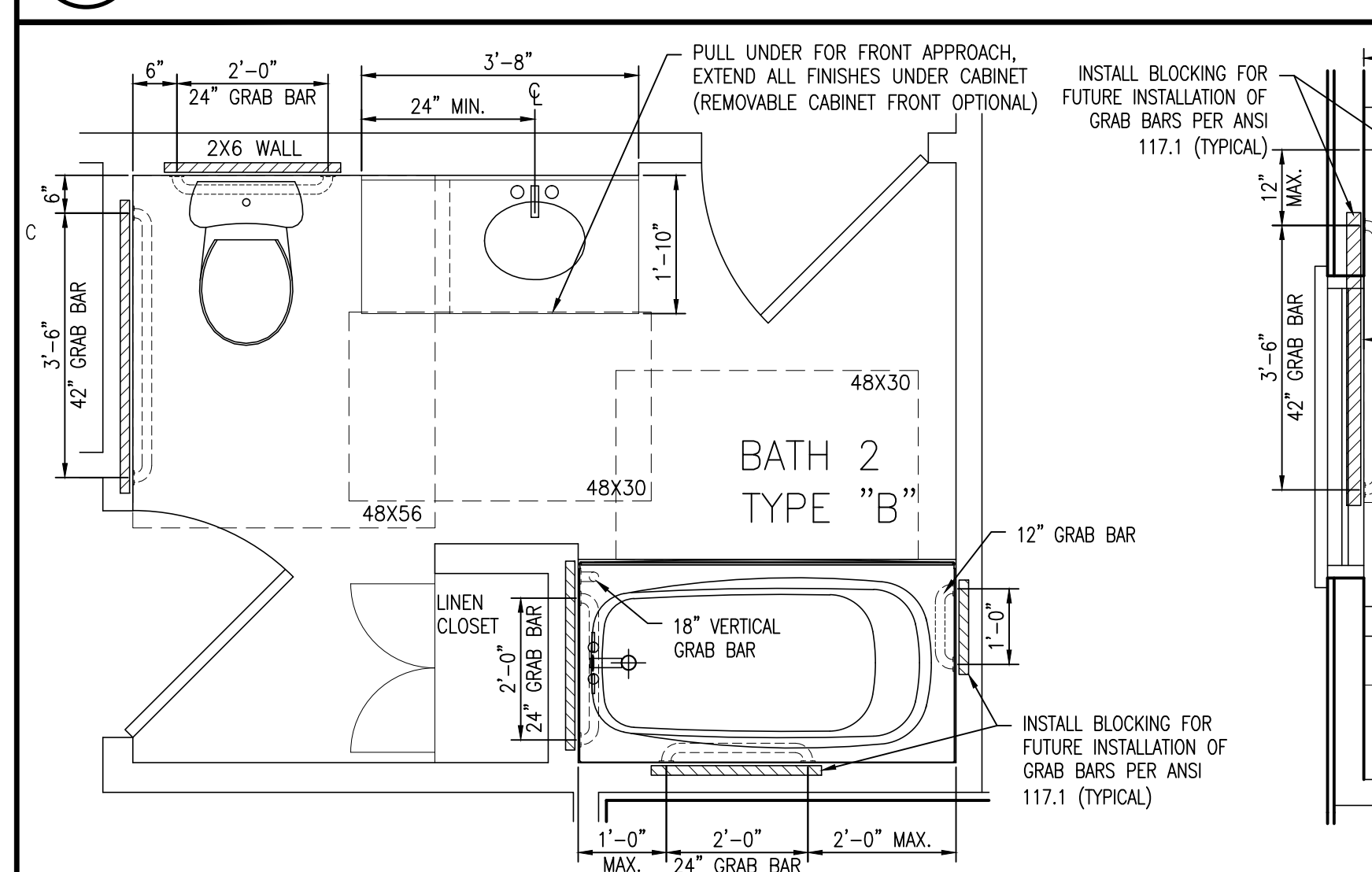
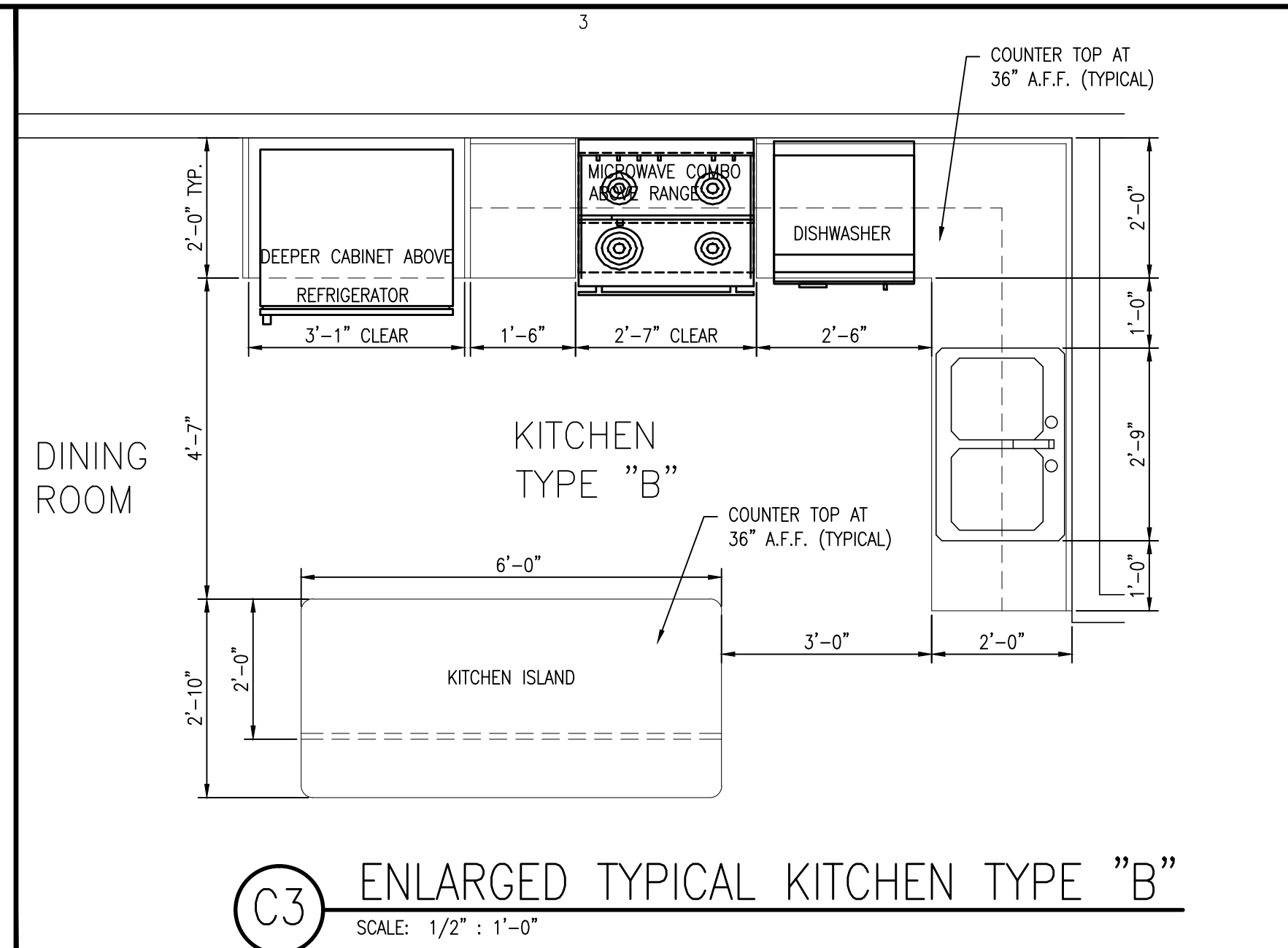
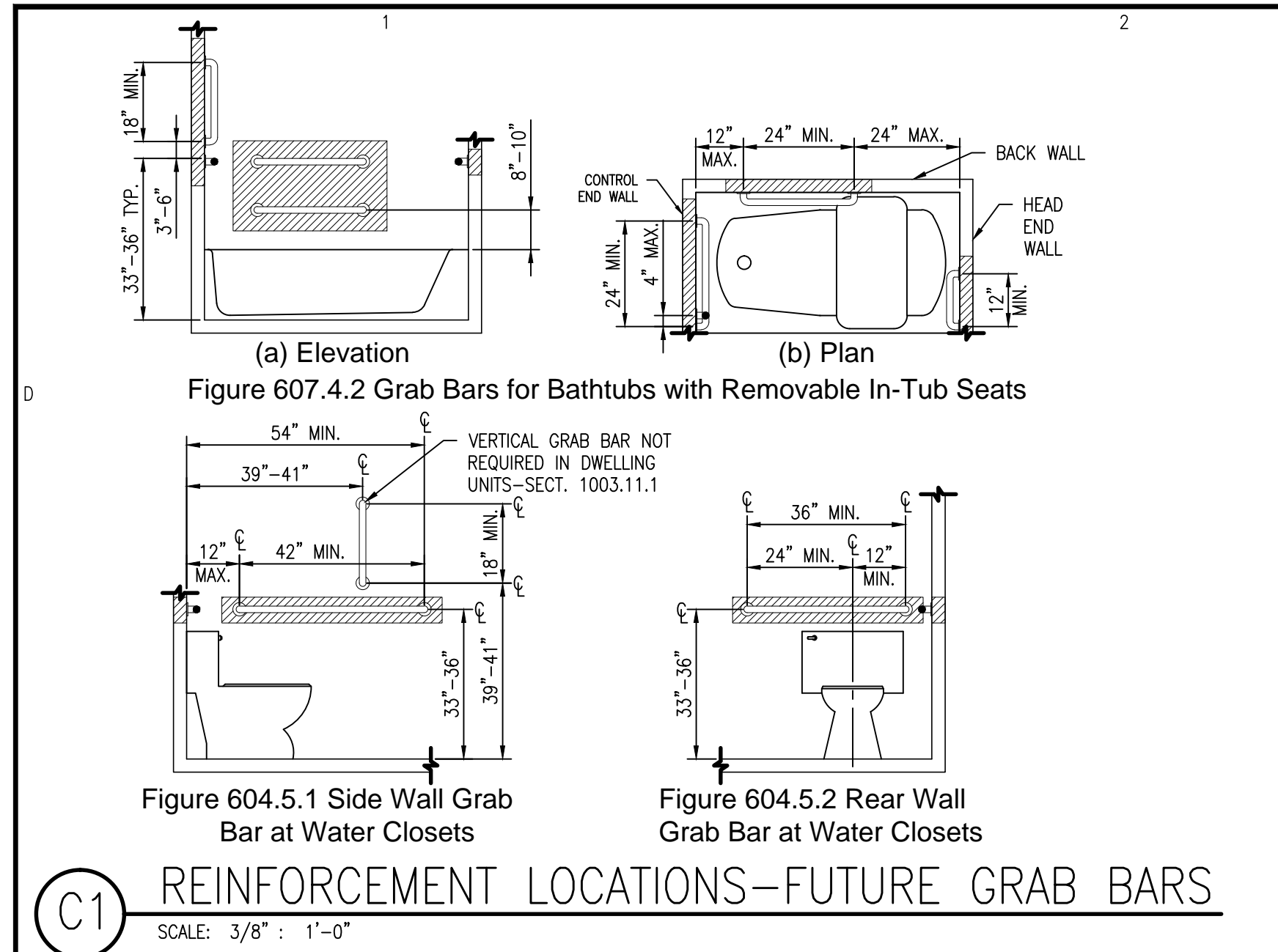
A1 REAR UNIT – 3 BEDROOM – 2 BATH FLOOR PLAN
 SCALE: N.T.S. SECOND FLOOR TYPE "B" UNIT SHOWN

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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Designed to Build
A Smarter Approach

ANDREW W. PRIVETTE, AIA
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FAYETTEVILLE,
NORTH CAROLINA 28303
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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		
2				
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7				
8				
9				
10				

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.

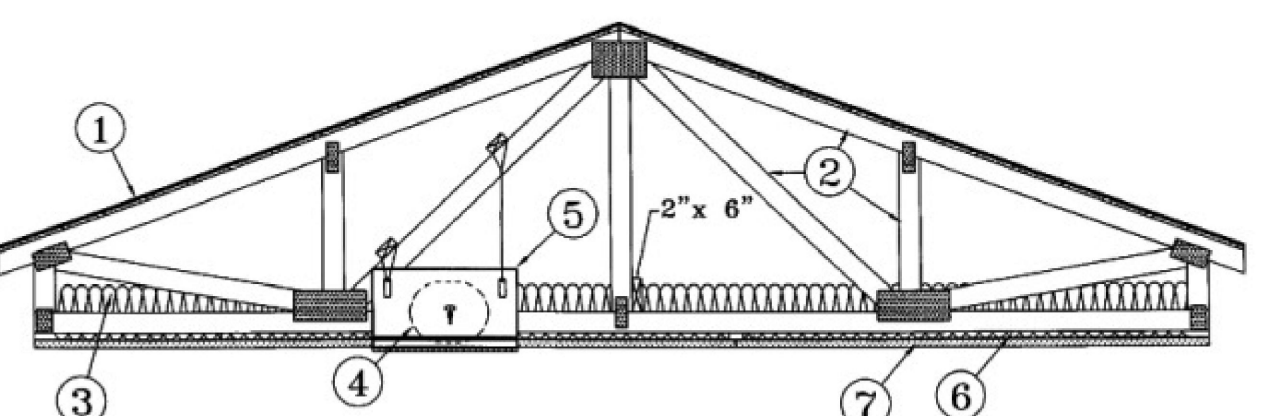
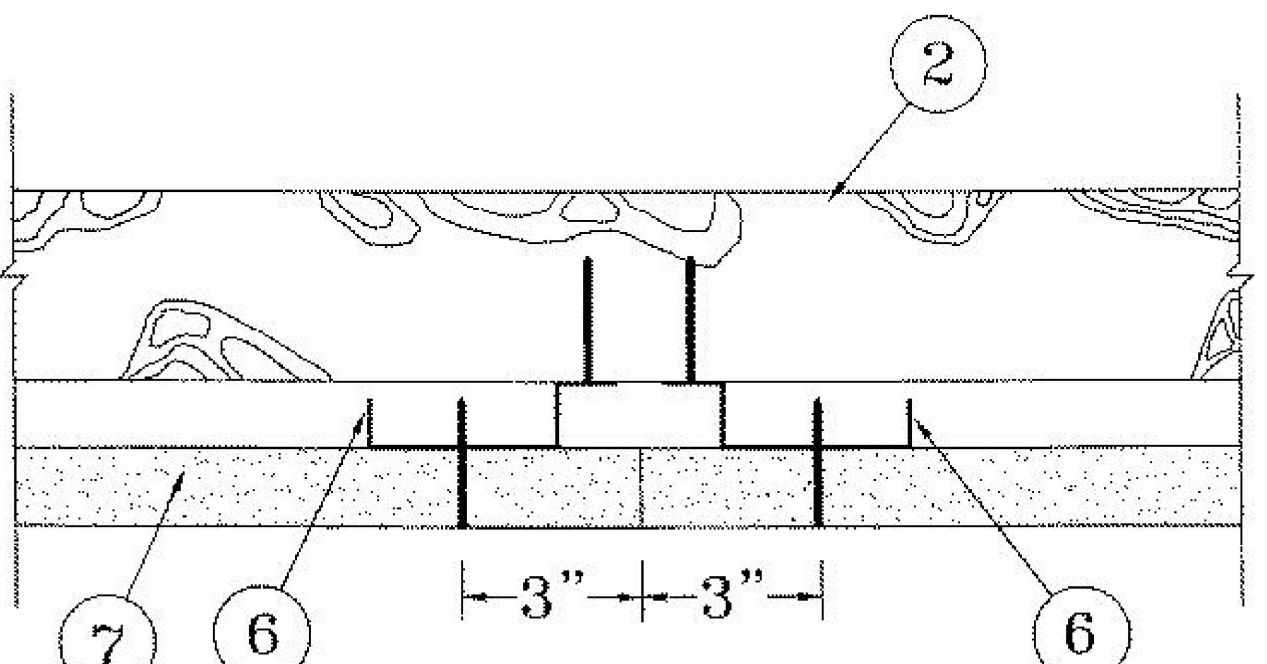
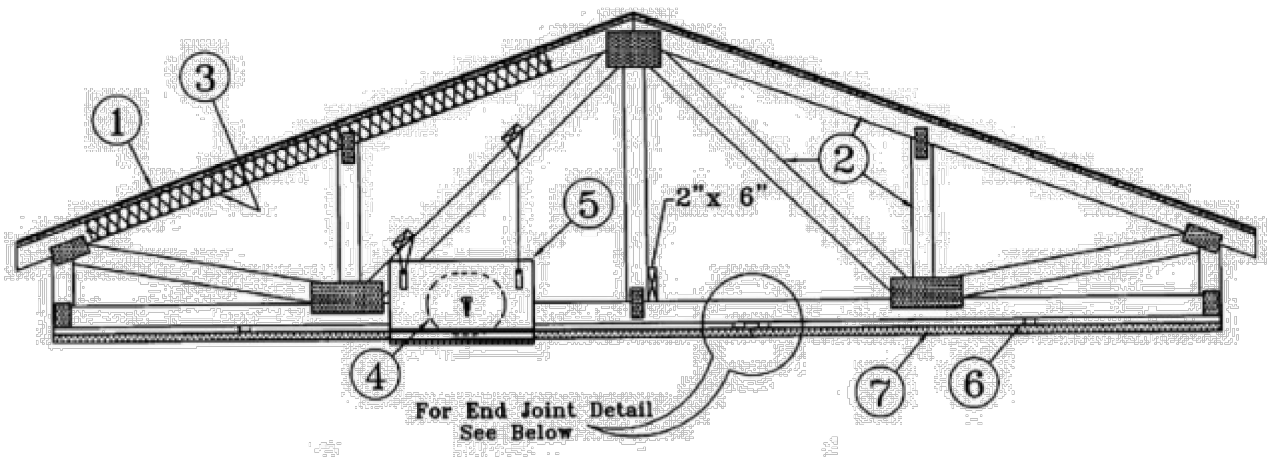
Design No. P522

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... For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide B3UV or B3UV2.



Alternate Insulation Placement

- 1. Roofing System — Any UL Class A, B or C Roofing System (TFGU) or Prepared Roof Covering (TFWZ) acceptable for use over No. 15/32 in. thick wood structural panels... 2. Trusses — Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from 2 by 4 lumber...

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.

- 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.

C&S AIR PRODUCTS — Model RD-521

POTTORFF — Model CFD-521

- 5A. 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.

C&S AIR PRODUCTS — Model RD-521-BT

POTTORFF — Model CFD-521-BT

- 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.

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.

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.

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.

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.

BRUAN-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.

BRUAN-NUTONE L L C — Models RD01 & 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.

- 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. b. Steel Framing Members — Used to attach furring channels (Item a) to trusses (Item 2).

PAC INTERNATIONAL L L C — Types R51C-1, R51C-V, R51C-1 (2.75), R51C-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 6B).

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

- 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-fitted to trusses.

UNITED STATES GYPSUM CO — Type C or IP-X2

- 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.

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.

- 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.

PLTTEG 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. 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.

Last Updated on 2016-09-20

- 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. b. Steel Framing Members* — Used to attach furring channels (Item a) to the wood trusses (Item 2).

STUDDO 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.

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.

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.

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 6 in. OC along butted end joints and 12 in. OC in the field of the board.

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 alternate steel framing members.

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 alternate steel framing members.

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.

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.

- 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.

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.



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



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 section for JOB CODE: Z0FAIRWAY-10 and DRAWN BY: S.S.TOPE.

SHEET TITLE:

FIRE RATED UL-P522 ROOF-CEILING ASSEMBLY

G-104 SHEET 4 OF 6

UL P522 - 1HR ROOF-CEILING ASSEMBLY

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.

Design No. U341

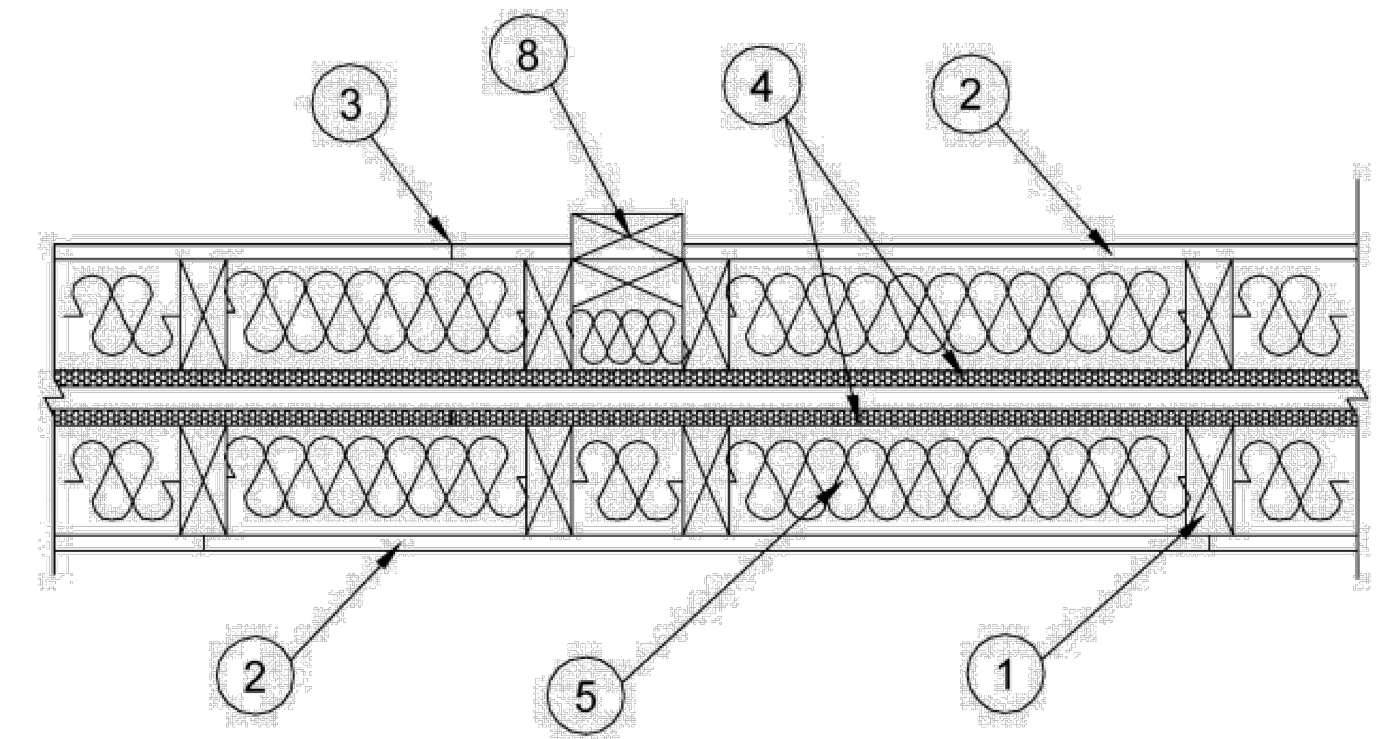
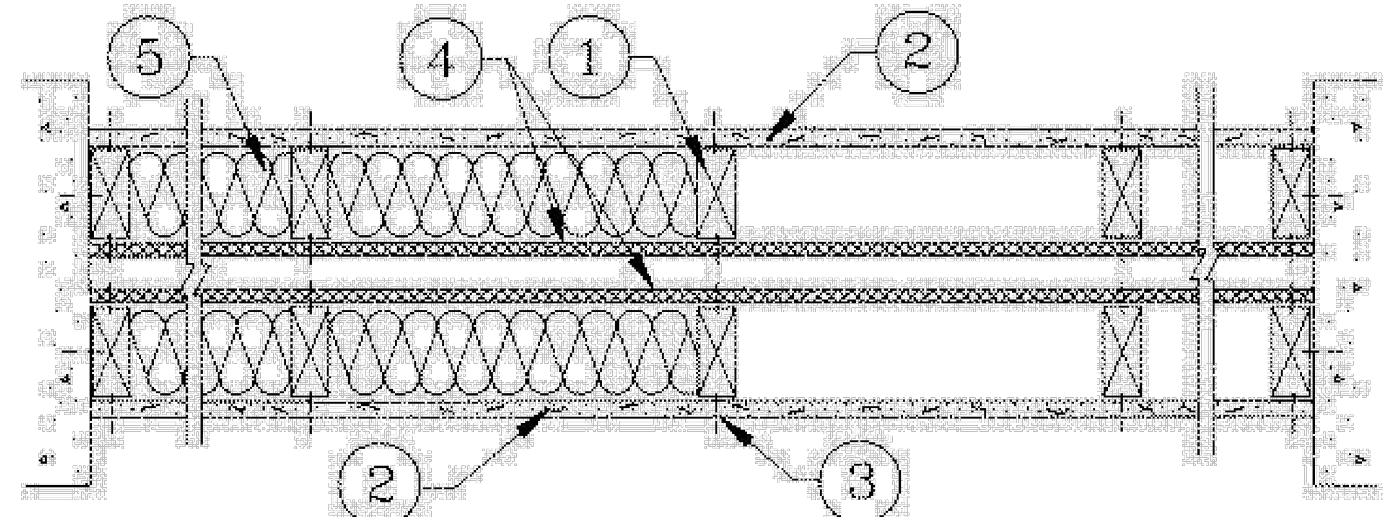
September 21, 2015

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. L501, G512 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 with 1-1/4 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

CERTAINTEEED 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. L501, G512 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

CERTAINTEEED 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.

CERTAINTEEED 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

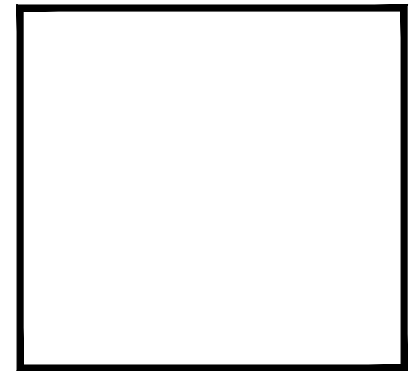
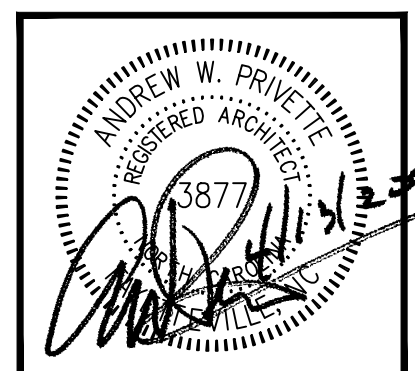
8. **Non-Bearing Wall Partition Intersection** — (Optional) Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC, 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

NO.	DATE	DESCRIPTION	BY	CHK

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

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

GENERAL STRUCTURAL:

THE GOVERNING CODE IS NORTH CAROLINA BUILDING CODE (NCBC) 2018 EDITION AND/OR LOCAL COUNTY CODE AMENDMENTS AND/OR ORDINANCES.

ANY REVISION INITIATED BY THE OWNER, GENERAL CONTRACTOR AND/OR THE SUBCONTRACTOR THAT DIRECTLY INFLUENCES OR CHANGES STRUCTURAL ELEMENTS INCLUDING, BUT NOT LIMITED TO FLOOR JOIST, BEAM OR HEADER SPANS; WALL HEIGHTS; BEAM OR HEADER SIZES; RELOCATION OF BEARING WALLS, FOOTING SIZES, ETC. AS INDICATED ON THESE DRAWINGS, ENGINEER OF RECORD SHALL BE NOTIFIED IN WRITING INDICATING THE PROPOSED CHANGES FOR REVIEW.

THESE DRAWINGS ARE NOT TO BE SCALED FOR CONSTRUCTION PURPOSES. DIMENSIONS NOTED TAKE PRECEDENCE OVER SCALE.

ALL DIMENSIONS SHOWN ARE TO FACE OF STUD (F.O.S.), UNLESS OTHERWISE NOTED. DIMENSIONAL ADJUSTMENTS MAY INCLUDE, BUT ARE NOT LIMITED TO: CENTER LINE (C), FACE OF CONCRETE (F.O.C.) AND FACE OF MASONRY (F.O.M.)

COMMENCEMENT OF WORK BY THE CONTRACTOR AND/OR ANY SUBCONTRACTOR SHALL INDICATE A KNOWLEDGE AND ACCEPTANCE OF ALL CONDITIONS DESCRIBED IN THESE CONSTRUCTION DOCUMENTS WHICH COULD AFFECT THEIR WORK.

IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, SPECIFICATIONS AND DRAWINGS REGARDING STRUCTURAL ISSUES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

WORK NOT INDICATED ON A PART OF THE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES, SHALL BE REPEATED.

THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND CONSTRUCTION PROCEDURES, FABRICATION PROCESS, COORDINATION OF WORK WITH OTHER TRADES AND JOB SITE SAFETY.

TEMPORARY BRACING, SHEATHING, SHORING, ETC., REQUIRED TO INSURE THE STRUCTURAL INTEGRITY/STABILITY OF THE EXISTING BUILDINGS, SIDEWALLS, UTILITIES, ETC., DURING CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY.

DESIGN LOADS

GRAVITY LOAD

- ROOF LIVE LOAD = 20 PSF
PRIVATE ROOMS = 40 PSF
PUBLIC ROOMS AND CORRIDORS SERVING THEM = 100 PSF
DECKS = 100 PSF
STAIRS AND EXITS = 100 PSF
DEAD LOAD (ACTUAL WEIGHTS WITH A MIN. OF) = 15 PSF
GROUND SNOW LOAD (Pg) = 10 PSF
EXPOSURE FACTOR (Ce) = 1.00
THERMAL FACTOR (Ct) = 1.00
IMPORTANCE FACTOR (I) = 1.00

ALLOWABLE DEFLECTION FACTOR FOR ROOF

- LIVE LOAD = L/360
TOTAL LOAD = L/240
FLOORS & DECKS
LIVE LOAD = L/480
TOTAL LOAD = L/360

MEMBERS SUPPORTING MASONRY / BRICK

- LIVE LOAD = L/600
TOTAL LOAD = L/600

WIND LOAD

- ULTIMATE WIND SPEED = 121 MPH (PER FIGURE 26.5-1A, ASCE 7-10)
EXPOSURE = C

SEISMIC DATA

- Ss = .241 S1 = .1026
SITE CLASSIFICATION PRESUMPTIVE = D
Fo = 1.60 Fv = 2.39
Sms = .385 Sm1 = .245
SEISMIC DESIGN COEFF: Sds = .257 Sd1 = .163
SEISMIC DESIGN CATEGORY = C

SEISMIC FORCE RESISTING SYSTEM = LIGHT FRAME WALLS SHEATHED WITH WOOD STRUCTURAL PANELS
RESPONSE MODIFICATION COEFFICIENT(R) = 7 (AS PER ASCE 7-10, TABLE 12.2-1)

Cs = .0395

ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

LATERAL DESIGN CONTROL = WIND

CONCRETE

ALL CONCRETE FOR FOOTINGS, FOUNDATION WALLS, RETAINING WALLS, AND FLOOR SLABS ON GRADE SHALL ATTAIN A MINIMUM 28-DAY ULTIMATE COMPRESSIVE STRENGTH AS FOLLOWS:

- FOUNDATION WALLS, FOOTINGS AND GRADE SLABS : 3,000 PSI
BASEMENT SLABS AND SLABS EXPOSED TO WEATHER : 3,000 PSI

ALL CONCRETE EXPOSED TO THE WEATHER AND SUBJECT TO FREEZING AND THAWING IN A MOIST WET CONDITION OR DEICING CHEMICALS SHALL BE AIR ENTRAINED, THE TOTAL AIR CONTENT (PERCENT BY VOLUME OF CONCRETE) SHALL NOT BE LESS THAN 5 PERCENT (5%) OR MORE THAN 7 PERCENT (7%) & MAXIMUM WATER CEMENT RATIO OF 0.45.

Table with 5 columns: LOCATION OF CONCRETE, MAXIMUM SIZE OF AGGREGATE, SLUMP, MAXIMUM WINDUPMENT RATIO BY WT. Values include 3000 PSI, 1 1/2", 3 1/2", 0.59 (0.45) and 1", 4 5/8", 0.48 (0.48).

ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED AND KEYS PROVIDED WHERE REQUIRED OR INDICATED ON THE DRAWINGS. CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE DRAWINGS, MAY BE PROPOSED BY THE CONTRACTOR. HOWEVER, THE LOCATIONS ARE SUBJECT TO REVIEW BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER.

ALL FORMWORK AND PLACING OF CONCRETE SHALL BE PLUMB, LEVEL, AND SQUARE. THE STRUCTURAL ENGINEER SHALL REVIEW AND APPROVE ANY PROPOSED FORMWORK DESIGN DIFFERENT FROM INDUSTRY STANDARD PRACTICES.

EXTERIOR SLAB AREAS SHALL BE BROOM FINISHED, UNLESS OTHERWISE SPECIFIED BY THE ARCHITECT. THE STROKES SHALL MAINTAIN THE SAME DIRECTION AT ADJACENT SURFACES. NO RIPPLES, BUMPS, OR ANY OTHER IRREGULARITIES WILL BE ACCEPTABLE

CONTRACTOR IS RESPONSIBLE FOR SUBMITTING CONCRETE MIX DESIGNS TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF ANY CONCRETE.

CONTRACTOR SHALL LOCATE CONTROL JOINTS AS REQUIRED (MAXIMUM SPACING IN ANY DIRECTION SHALL NOT EXCEED 12'-0") REFER TO DETAILS

REINFORCING STEEL

ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60 OR BETTER. ALL REINFORCING BAR DIMENSIONS SHOWN ON THE DRAWINGS ARE TO THE CENTER LINE OF BARS, UNLESS OTHERWISE NOTED. ALL CONCRETE AND REINFORCING STEEL SHALL BE FURNISHED, FABRICATED AND ERRECTED IN ACCORDANCE WITH ACI STANDARD BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE STRUCTURES, (ACI 318-14). REINFORCED STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315).

UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE CLEAR CONCRETE COVER PROVIDED FOR REINFORCEMENT SHALL BE:

- A. CAST AGAINST EARTH AND PERMANENTLY EXPOSED TO EARTH : 3"
B. EXPOSED TO EARTH OR WEATHER #6 THROUGH #18 BARS THROUGH #5 BARS AND SMALLER : 2"
C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND (SLABS AND WALLS) : 1.5"
D. BEAMS, GIRDERS, COLUMNS, PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS : 1.5"

STEEL REINFORCING REQUIREMENTS IN CONCRETE FLOOR SLABS SHALL BE AS REQUIRED BY CODE AND/OR LOCAL JURISDICTIONS, OR PER SITE CONDITIONS.

Table 1--MINIMUM LAP SPLICE AND ANCHORAGE DIMENSIONS TABLE. Columns include BAR SIZE, TOP BARS (LAP (INCHES), ANCHOR (INCHES)), OTHER BARS (LAP (INCHES), ANCHOR (INCHES)).

WHEN LAPPING TWO DIFFERENT SIZE BARS, USE THE LAP DIMENSION OF THE SMALLER BAR OR THE ANCHORAGE DIMENSION OF THE LARGER BAR. USE WHICHEVER DIMENSION IS LARGER.

TOP BARS SHALL BE DEFINED AS BEAM AND SLAB HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE TOP REINFORCEMENT. HORIZONTAL REINFORCING IN WALLS SHALL BE CONSIDERED AS TOP BARS.

SUBMIT REINFORCING DETAILS AND DESIGN MIX FOR REVIEW. DETAILS SHALL CONFORM TO ACI DETAILING MANUAL PUBLICATION SP-66. NOTE ALL OPENINGS, RECESSES, ELEVATIONS, ETC. SUBMISSIONS TO BE IN COMPLIANCE WITH THE SHOP DRAWING SECTION OF THESE NOTES.

STRUCTURAL LUMBER

STRUCTURAL LUMBER SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (NDS) 2005 EDITION, PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION. ALL STRUCTURAL FRAME MEMBERS SHALL BE AS FOLLOW, UNLESS OTHERWISE NOTED:

SYP #2 (HEADERS & BEAMS)

- Fb BENDING : 975 psi
Ft TENSION (parallel to grain) : 550 psi
Fv SHEAR (parallel to grain) : 175 psi
Fc_perp COMPRESSION (perpendicular to grain) : 565 psi
Fc_parallel COMPRESSION (parallel to grain) : 1450 psi
E MODULUS OF ELASTICITY : 1,600,000 psi
Emin MODULUS OF ELASTICITY : 580,000 psi

SPF STUD GRADE (POSTS & STUDS)

- Fb BENDING : 675 psi
Ft TENSION (parallel to grain) : 350 psi
Fv SHEAR (parallel to grain) : 135 psi
Fc_perp COMPRESSION (perpendicular to grain) : 425 psi
Fc_parallel COMPRESSION (parallel to grain) : 725 psi
E MODULUS OF ELASTICITY : 1,200,000 psi
Emin MODULUS OF ELASTICITY : 440,000 psi

DESIGN PROPERTIES FOR:

MICROLAM LVL (BEAM)

GRADE = 1.9E

- Fb BENDING : 2,600 psi
Fv SHEAR (parallel to grain) : 285 psi
Fc_perp COMPRESSION (perpendicular to grain) : 750 psi
Fc_parallel COMPRESSION (parallel to grain) : 2510 psi
E MODULUS OF ELASTICITY : 1,900,000 psi

PARALLAM PSL (BEAM)

GRADE = 2.0E

- Fb BENDING : 2,900 psi
Fv SHEAR (parallel to grain) : 290 psi
Fc_perp COMPRESSION (perpendicular to grain) : 750 psi
Fc_parallel COMPRESSION (parallel to grain) : 2,900 psi
E MODULUS OF ELASTICITY : 2,000,000 psi

ALL WOOD SHALL BE MINIMUM 8" ABOVE FINISH GRADE, OR SHALL BE PRESSURE TREATED.

WHERE INDICATED ON THE DRAWINGS ENGINEERED FLOOR "J" JOISTS SHALL BE MANUFACTURED BY WEYERHAEUSER TRUSS JOISTS. PRIOR TO ORDERING THE GENERAL CONTRACTOR SHALL ACQUIRE SHOP DRAWINGS FROM THE FLOOR JOIST MANUFACTURER AND SUBMIT THEM TO ENGINEER OF RECORD IN A TIMELY MANNER FOR REVIEW PRIOR TO ORDERING.

PROVIDE 3/4" TONGUE AND GROOVE PLYWOOD (APA 24/16 RATED STRUCT-I-FLOOR) GLUED AND NAILED TO THE FLOOR JOISTS TO MEET THE AMERICAN PLYWOOD ASSOCIATION (APA) APPROVED GLUED FLOOR SYSTEM, UNLESS OTHERWISE SPECIFIED.

LUMBER EXPOSED TO THE ELEMENTS, MASONRY INCLUDING BUT NOT LIMITED TO: POSTS, BEAMS, DECKING, DECK, FRAMING LEDGERS, ETC. SHALL BE PRESSURE TREATED.

REQUIRED POST SIZES FROM POINT LOADS AT GIRDER TRUSS BEAM AND/OR HEADER END LOCATIONS SHALL BE CONTINUOUS, BEARING ONTO BEAMS OR CONTINUOUS TO FOOTINGS AS INDICATED. PROVIDE SQUASH BLOCKS BETWEEN FLOOR FRAMING AS NECESSARY OR REQUIRED.

STRUCTURAL CONNECTORS INDICATED ON THESE DOCUMENTS SHALL BE PROVIDED BY SIMPSON STRONG-TIE COMPANY, INC., PROVIDE JOIST HANGERS AT EACH END OF ALL FLOOR JOISTS, AND/OR BEAMS FLUSH WITH ADJACENT BEAMS, HEADERS. PROVIDE COLUMN CAPS AND POST BASES AT ALL STRUCTURAL LOAD BEARING WOOD BEAMS.

STRUCTURAL MEMBERS INDICATED ARE REQUIRED MINIMUM SIZES AND MAY BE INCREASED TO ALIGN WITH ADJACENT FRAMING MEMBERS AS NECESSARY OR REQUIRED WITHOUT ADDITIONAL STRUCTURAL ENGINEERING AT THE GENERAL CONTRACTOR/OWNER'S DISCRETION.

PREFABRICATED WOOD TRUSSES

ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS. CLIPS OR ANCHORS TO BE SPECIFIED BY ENGINEER OF RECORD BASED ON REVIEW OF TRUSS SHOP DRAWINGS.

PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE AMERICAN FOREST AND PAPER ASSOCIATION.

TRUSSES SHALL BE DESIGNED TO SUPPORT THE INDICATED DESIGN LOADS PLUS THE SELF-WEIGHTS OF THE TRUSSES.

TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTES SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. DESIGN NOTES SHALL INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO CONNECT THE TRUSS MEMBERS AT THE PANEL POINTS, CERTIFICATION OF THE CONNECTOR CAPACITIES AND THE MANUFACTURER'S LICENSE VERIFYING THAT ARE CERTIFIED TO MANUFACTURE THE TRUSSES UTILIZING THE PROPOSED TRUSS CONNECTOR SYSTEM.

THE CONTRACTOR SHALL REVIEW ALL TRUSS FABRICATION AND INSTALLATION DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT AND PRIOR TO FABRICATION.

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 MANUFACTURERS' 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.

PREFABRICATED WOOD TRUSSES - CONT.

TEMPORARY AND PERMANENT TRUSS BRACING AND BRIDGING SHALL BE DESIGNED BY THE TRUSS MANUFACTURER'S ENGINEER. ALL BRACING AND BRIDGING SHALL BE INDICATED ON THE TRUSS INSTALLATION DRAWINGS.

THE CONTRACTOR SHALL KEEP TWO COMPLETE SETS OF THE REVIEWED TRUSS SHOP DRAWINGS AND CALCULATIONS ON THE JOB SITE. ONE SET OF THESE DRAWINGS SHALL BE MADE AVAILABLE TO THE BUILDING INSPECTOR FOR FRAMING INSPECTION.

TRUSSES SHALL BE DESIGNED TO SUPPORT ALL SPECIFIED AND INDICATED LOADS IN ACCORDANCE WITH THE LOAD COMBINATIONS IN THE BUILDING CODE. THE TRUSS MANUFACTURER SHALL LOCATE AND COMPUTE THE MAGNITUDES OF ALL SNOW DRIFT LOADS. THE TRUSS MANUFACTURER SHALL LOCATE AND COMPUTE AND ACCOUNT FOR ALL ADDITIONAL LOADS AND REACTIONS FROM ALL OVER-FRAMING AND PIGGY-BACK TRUSSES CONNECTED TO OR BEARING UPON OTHER SUPPORTING TRUSSES.

HANGER SCHEDULE U.N.O.

HANGER SCHEDULE table with columns SIZE and HANGER. Includes 2x6 thru 2x12 (LB), 4x6 thru 4x14 (HUSTIF), 4x16 (HUTF), TJI (ITT), 3/2" & 3/4"xPSL OR LVL (GLTV), 7"x PSL OR LVL (HGLTV).

NOTES:

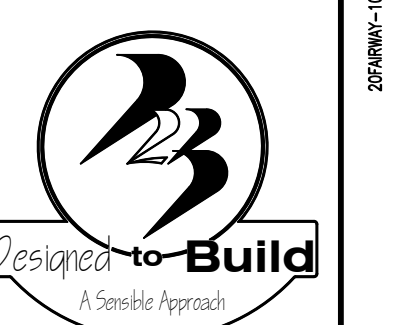
- 1. PROVIDE SKEWED, SLOPED HANGERS AS REQ'D.
2. USE HANGERS SHOWN ON SCHED. U.N.O. OR PLANS.
3. WHEN HANGERS ARE EXPOSED TO WEATHER OR IN CONTACT OF TREATED LUMBER USE "Z" GALVANIZED CONNECTIONS.

TOP AND BOTTOM PLATE FASTENERS UNLESS NOTED OTHERWISE

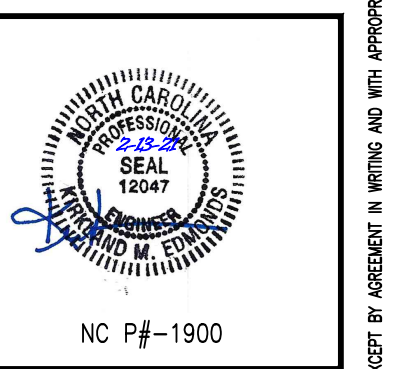
Table with columns I.D., MATERIAL, NAIL SPACING (SIZE, EDGE), NOTE.

DOUBLE TOP PLATE NAILING UNLESS NOTED OTHERWISE

Table with columns I.D., LOCATION, FASTENERS (SIZE, SPACING), COMMENTS.



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

Revision table with columns NO., DATE, DESCRIPTION, NAME, CHK.

JOB CODE: Z0FAIRWAY-10
DRAWN BY: KME
CHECKED BY: K. EDMONDS
COPYRIGHT:
DESIGNED TO BUILD

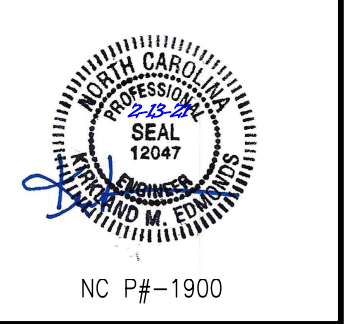
SHEET TITLE:
STRUCTURAL
NOTES

S-1
SHEET 1 OF 7

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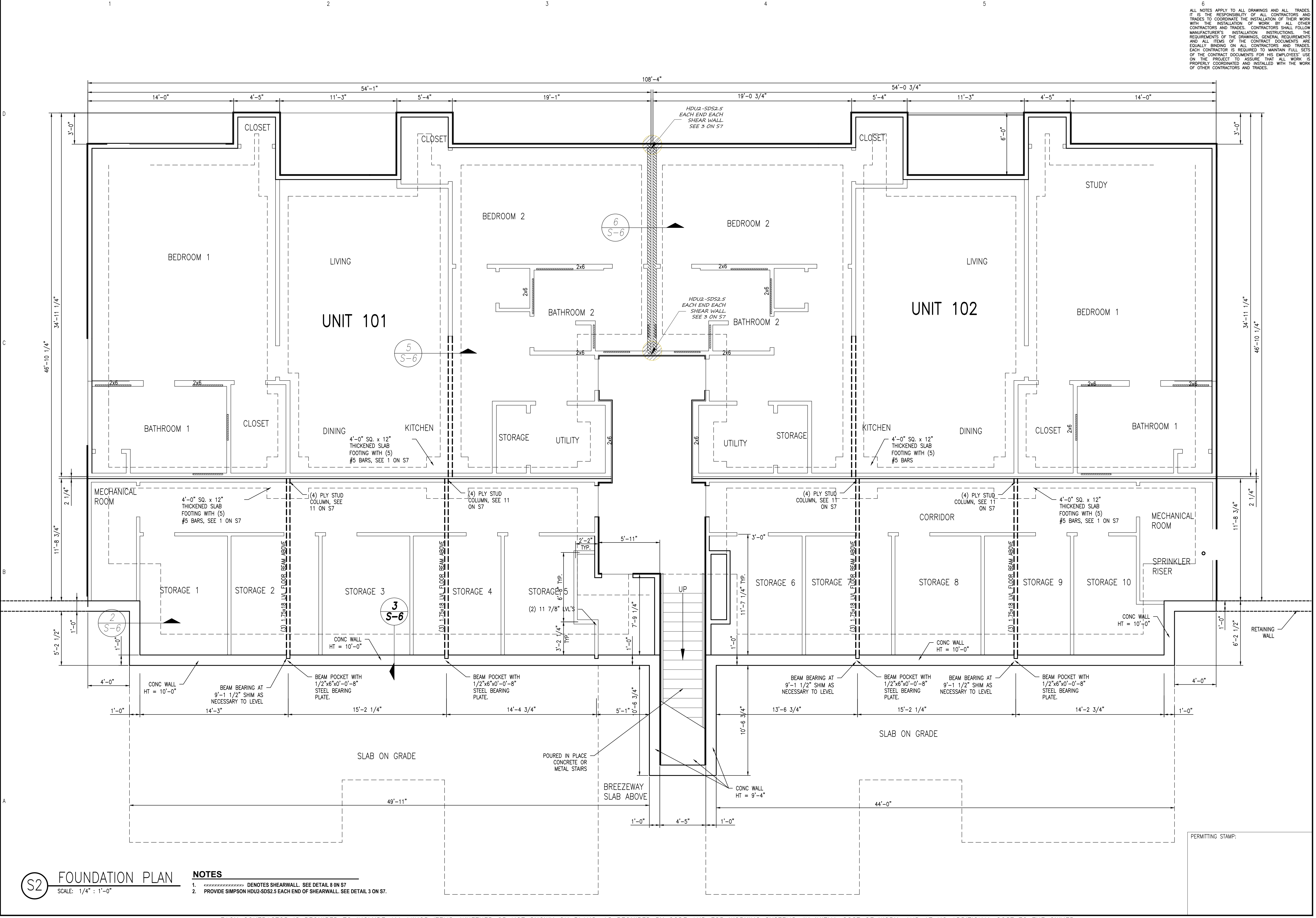
FAIRWAY POINTE at ANDERSON CREEK CLUB
 THREE-STORY, TEN-UNIT BUILDING
 GALLERY DRIVE, BUILDING
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK
1	4-12-21	ORIGINAL ISSUE	KME	
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JOB CODE: 20FAIRWAY-10
 DRAWN BY: KME
 CHECKED BY: K. EDMONDS
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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.

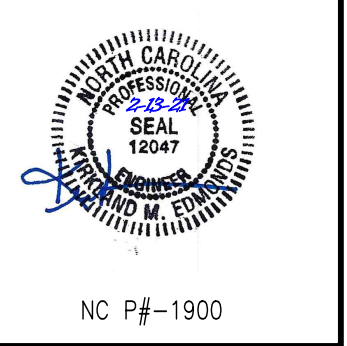
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ANDREW W. PRIVETTE, AIA
 1920 FT. BRAGG ROAD
 FAYETTEVILLE,
 NORTH CAROLINA 28303
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 andy@designtobuild.com



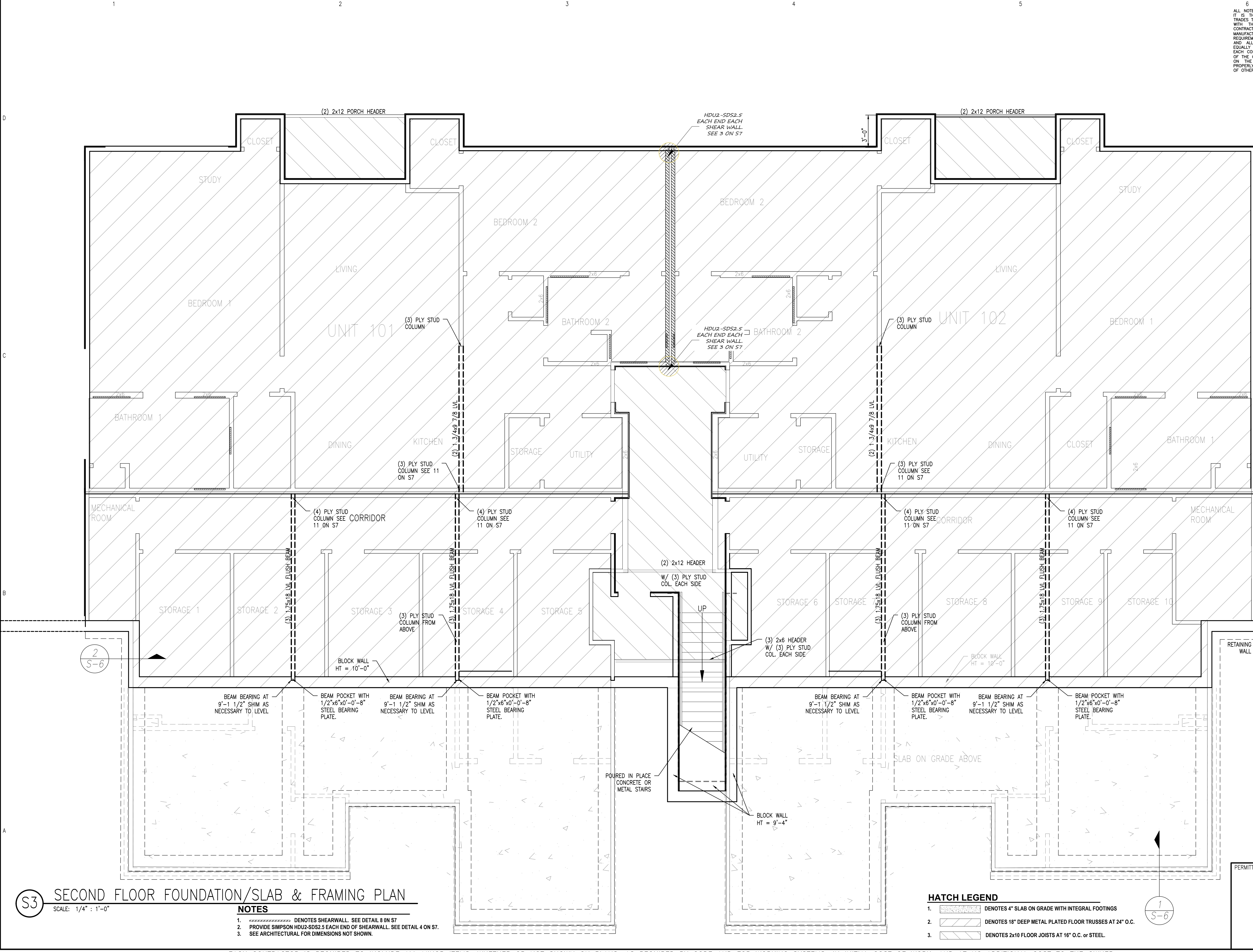
FAIRWAY POINTE at ANDERSON CREEK CLUB
 THREE-STORY, TEN-UNIT BUILDING
 GALLERY DRIVE, BUILDING
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK
1	4-12-21	ORIGINAL ISSUE	KME	CHK
2				
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SHEET TITLE:
**SECOND FLOOR FND
 SLAB & FRAMING PLAN**

S-3
 SHEET 3 OF 7

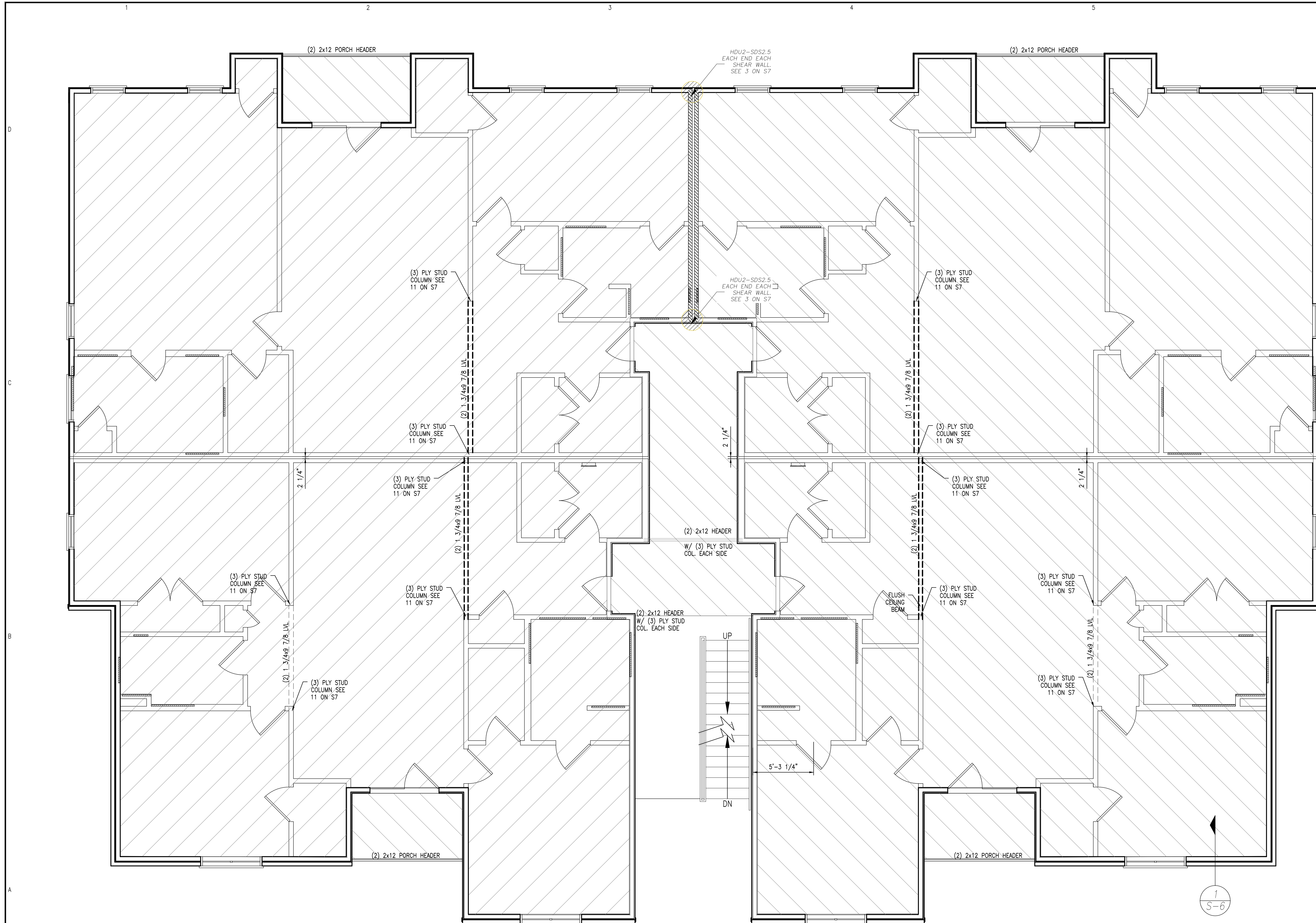


S3 SECOND FLOOR FOUNDATION/SLAB & FRAMING PLAN
 SCALE: 1/4" = 1'-0"

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

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

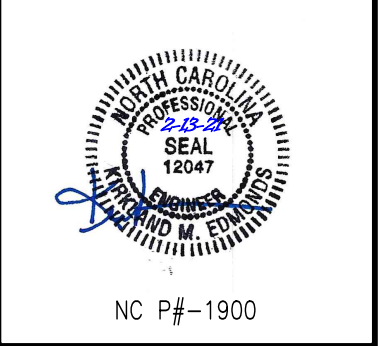
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FAIRWAY POINTE at ANDERSON CREEK CLUB
 THREE-STORY, TEN-UNIT BUILDING
 GALLERY DRIVE, BUILDING
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK

JOB CODE: Z0FAIRWAY-10
 DRAWN BY: KME
 CHECKED BY: K. EDMONDS
 COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:
THIRD FLOOR FRAMING PLAN

S-4
 SHEET 4 OF 7

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

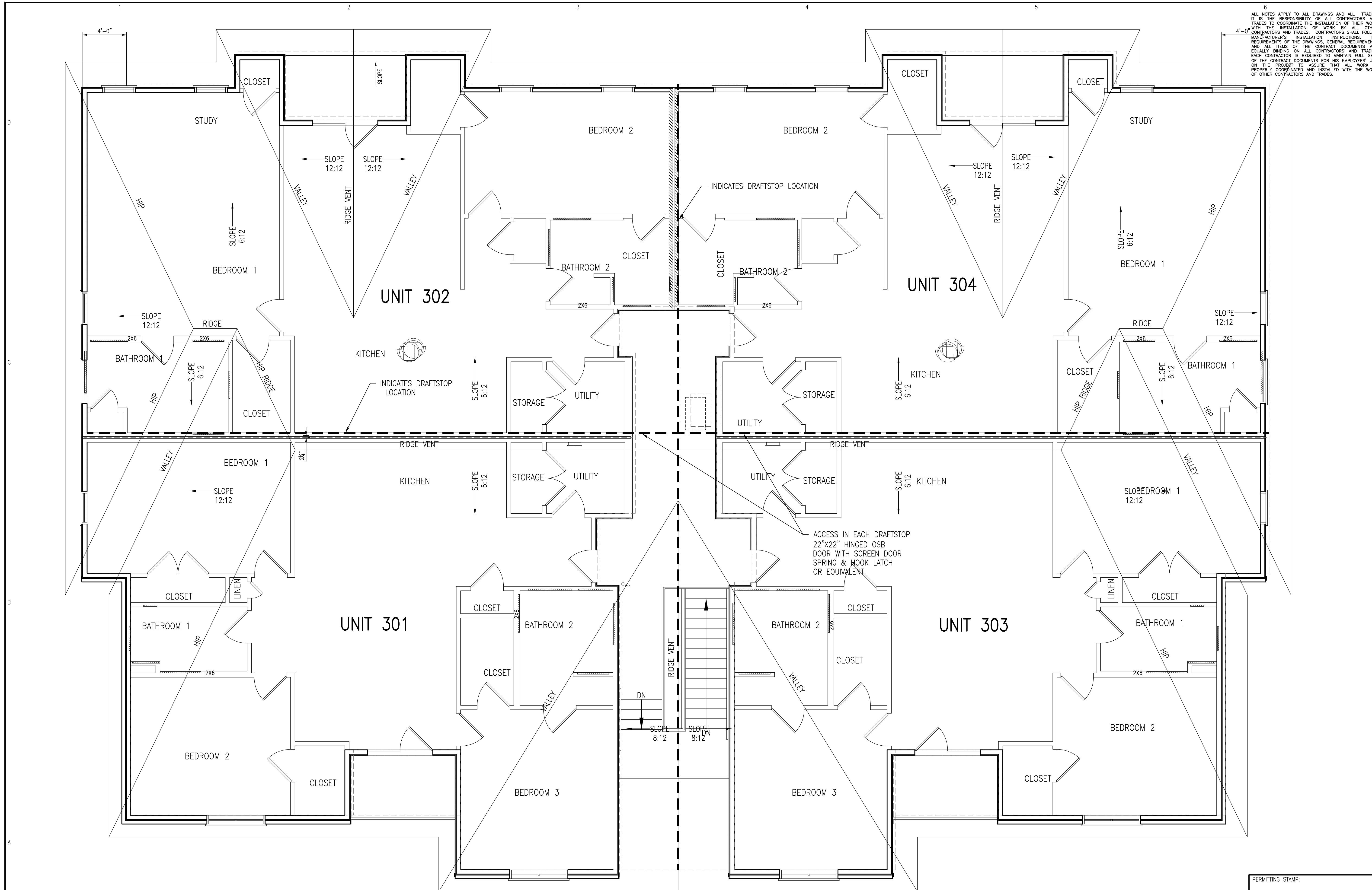
- NOTES**
1. DENOTES SHEARWALL. SEE DETAIL 8 ON S7
 2. PROVIDE SIMPSON HDU2-SDS2.5 EACH END OF SHEARWALL. SEE DETAIL 4 ON S7.

- 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

NO.	DATE	DESCRIPTION	BY	CHK

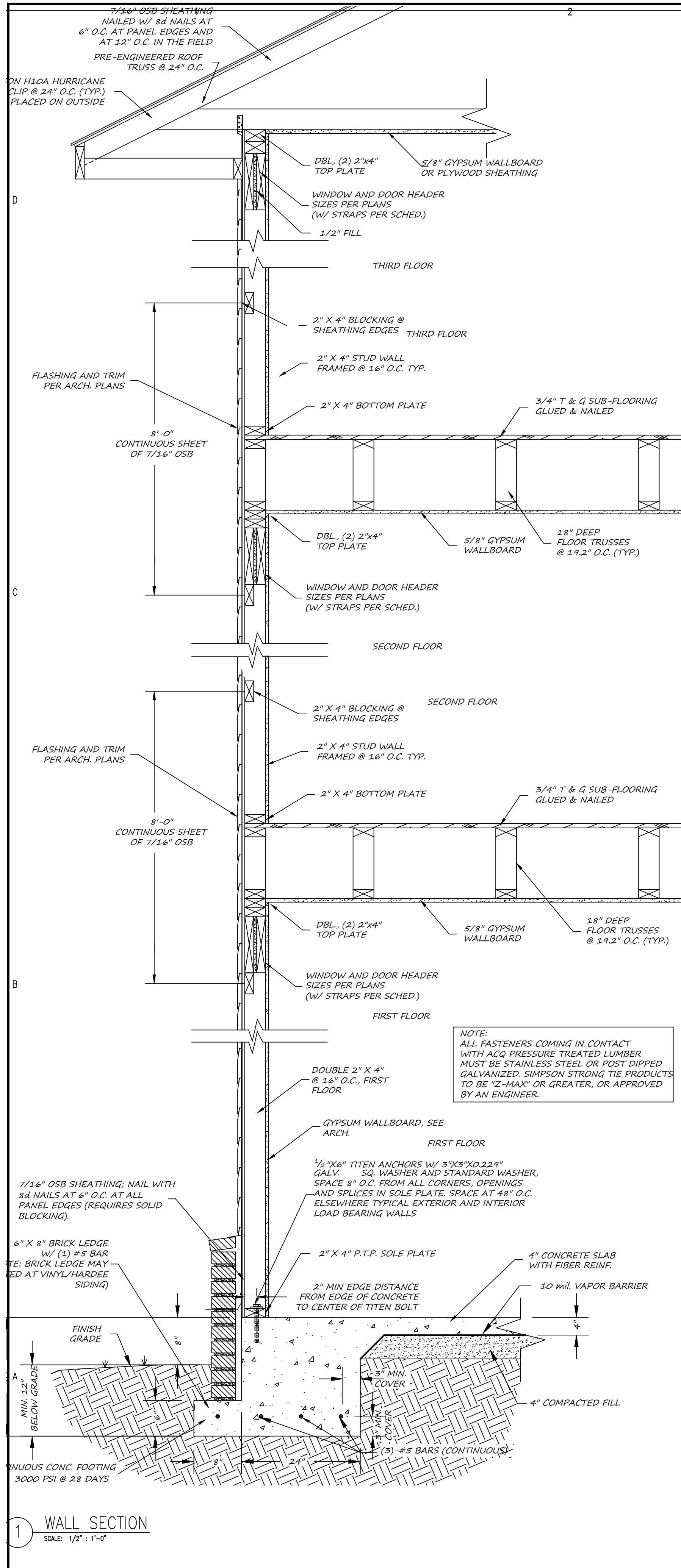
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DRAWN BY: KME
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SHEET TITLE:
ROOF FRAMING PLAN

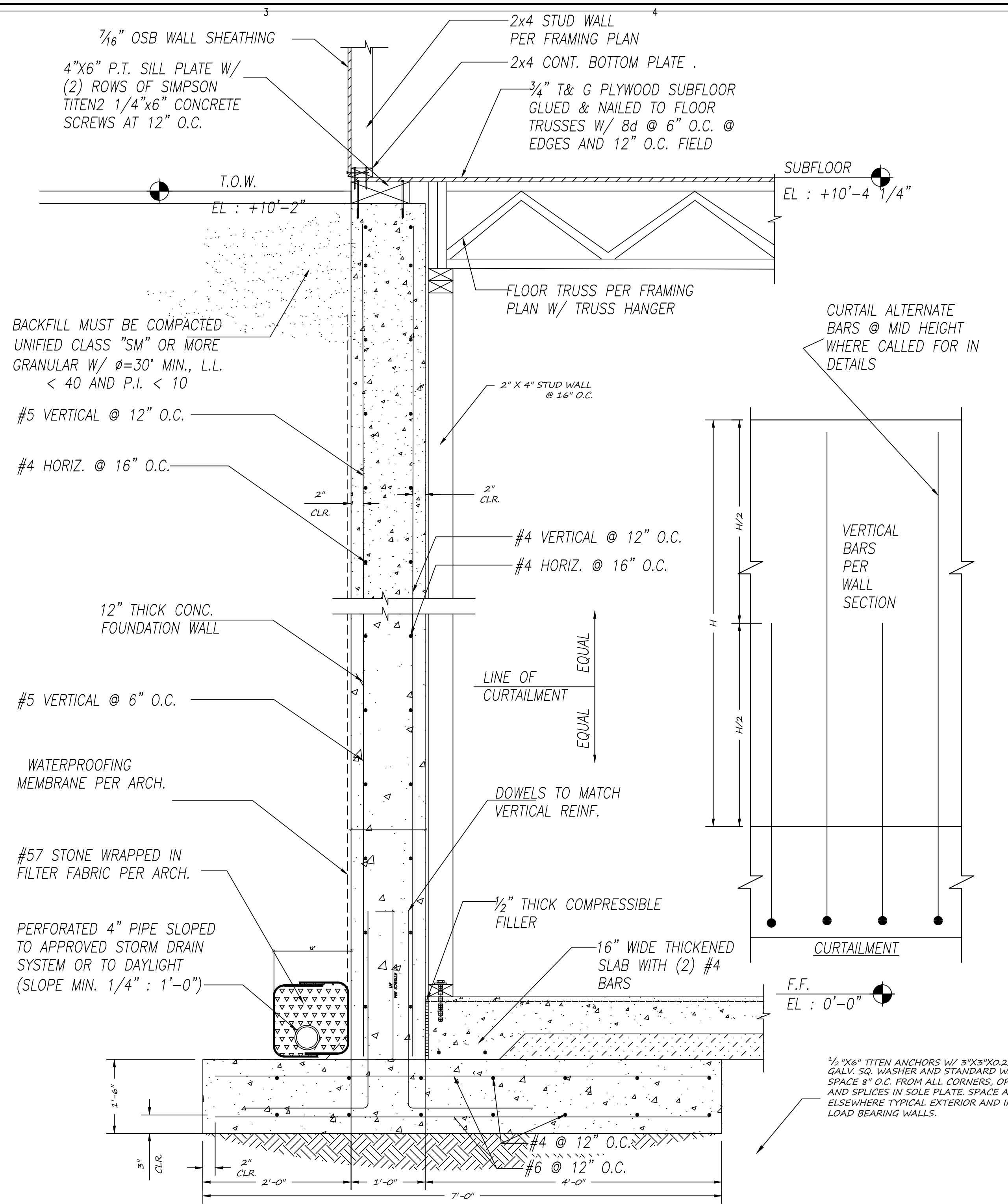
S-5
SHEET 5 OF 7

PERMITTING STAMP:

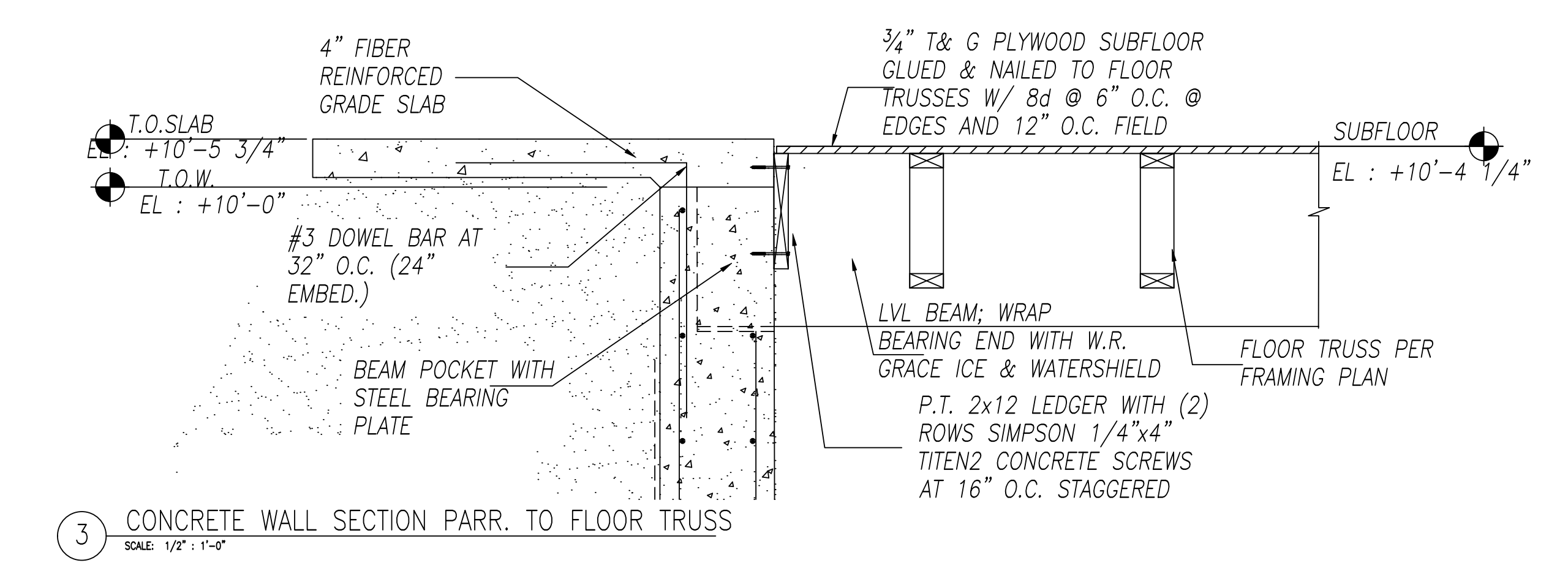
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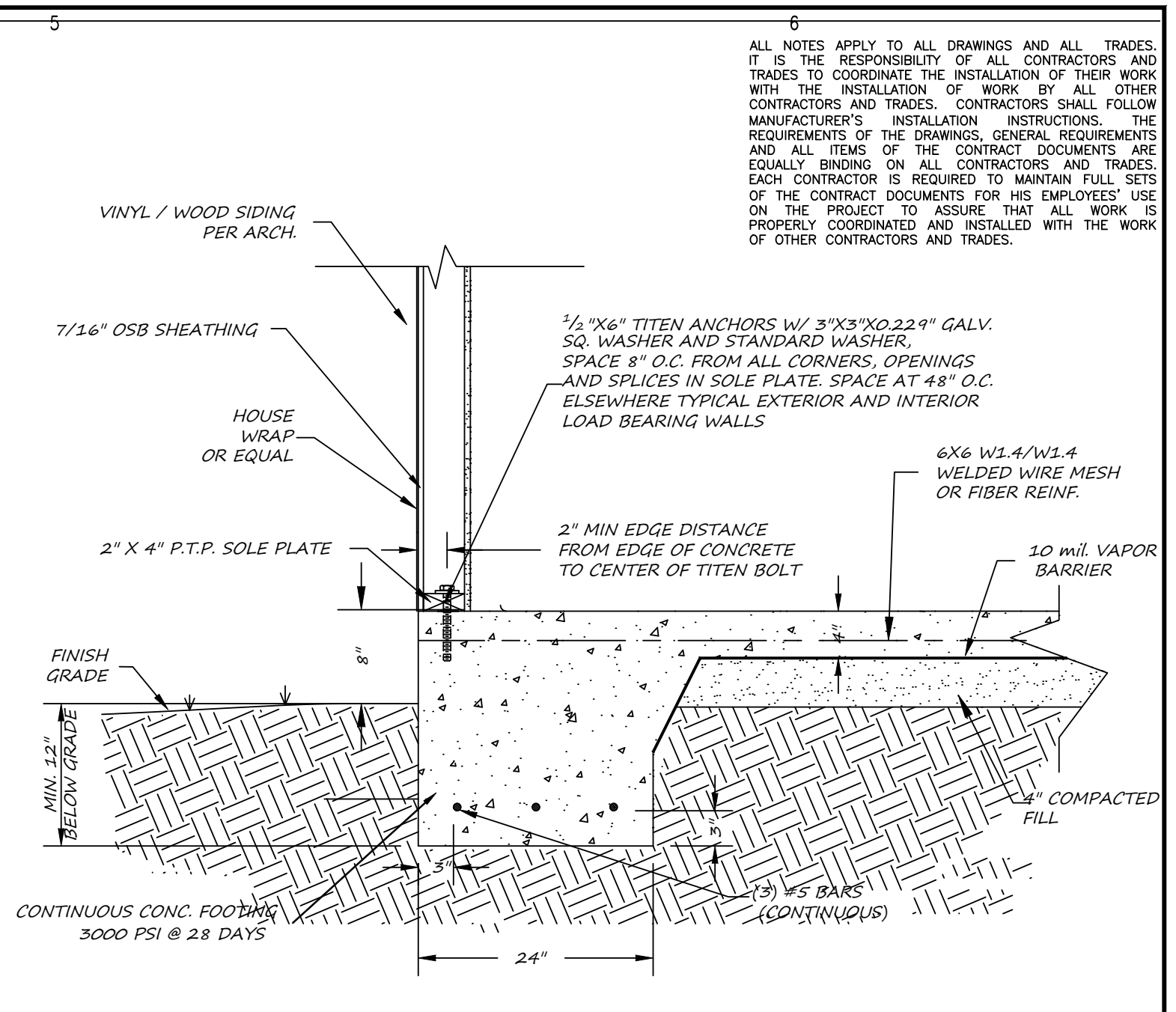
1 WALL SECTION
SCALE: 1/2" = 1'-0"



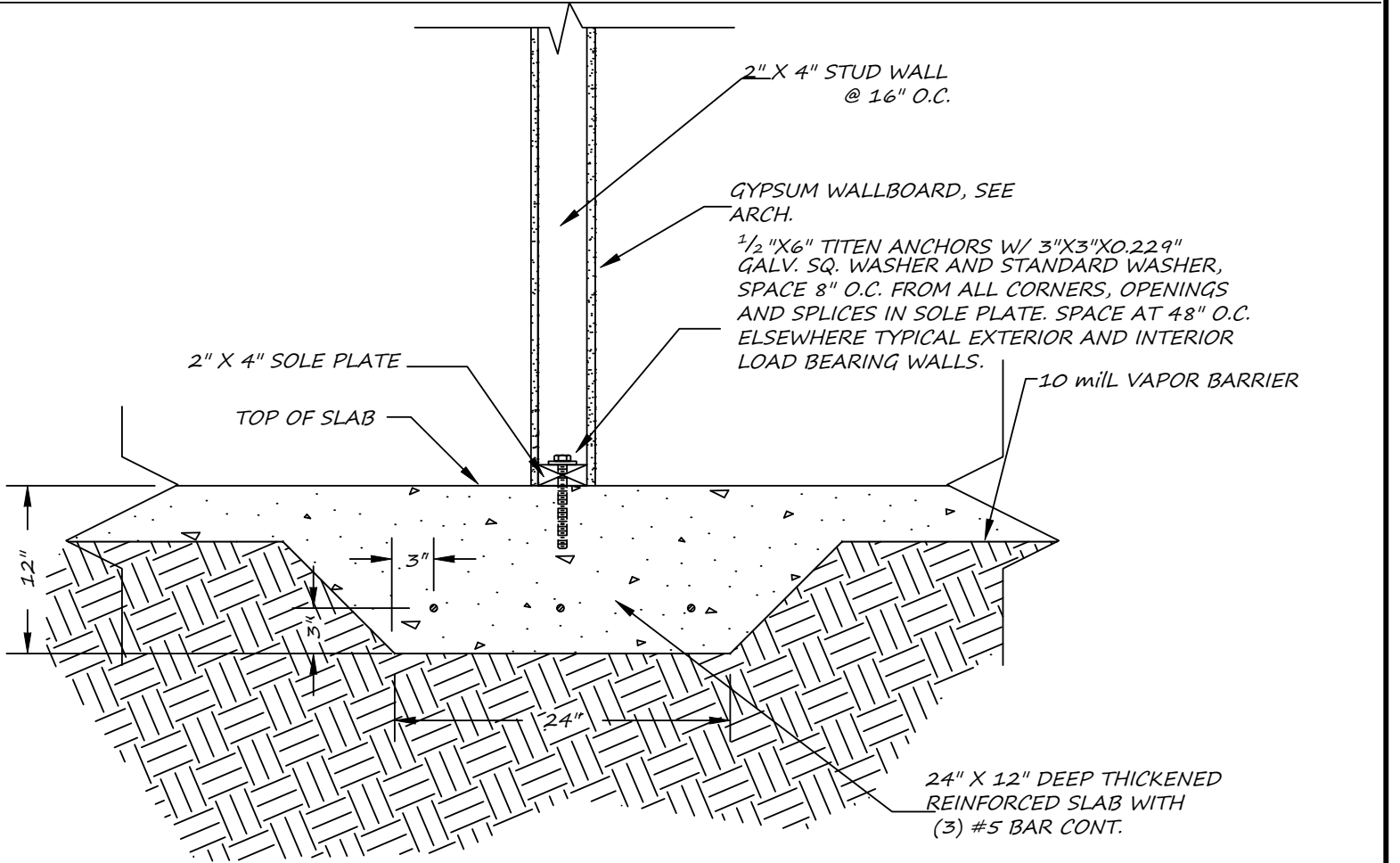
2 CONCRETE WALL SECTION PERP. TO FLOOR TRUSS
SCALE: 1/2" = 1'-0"



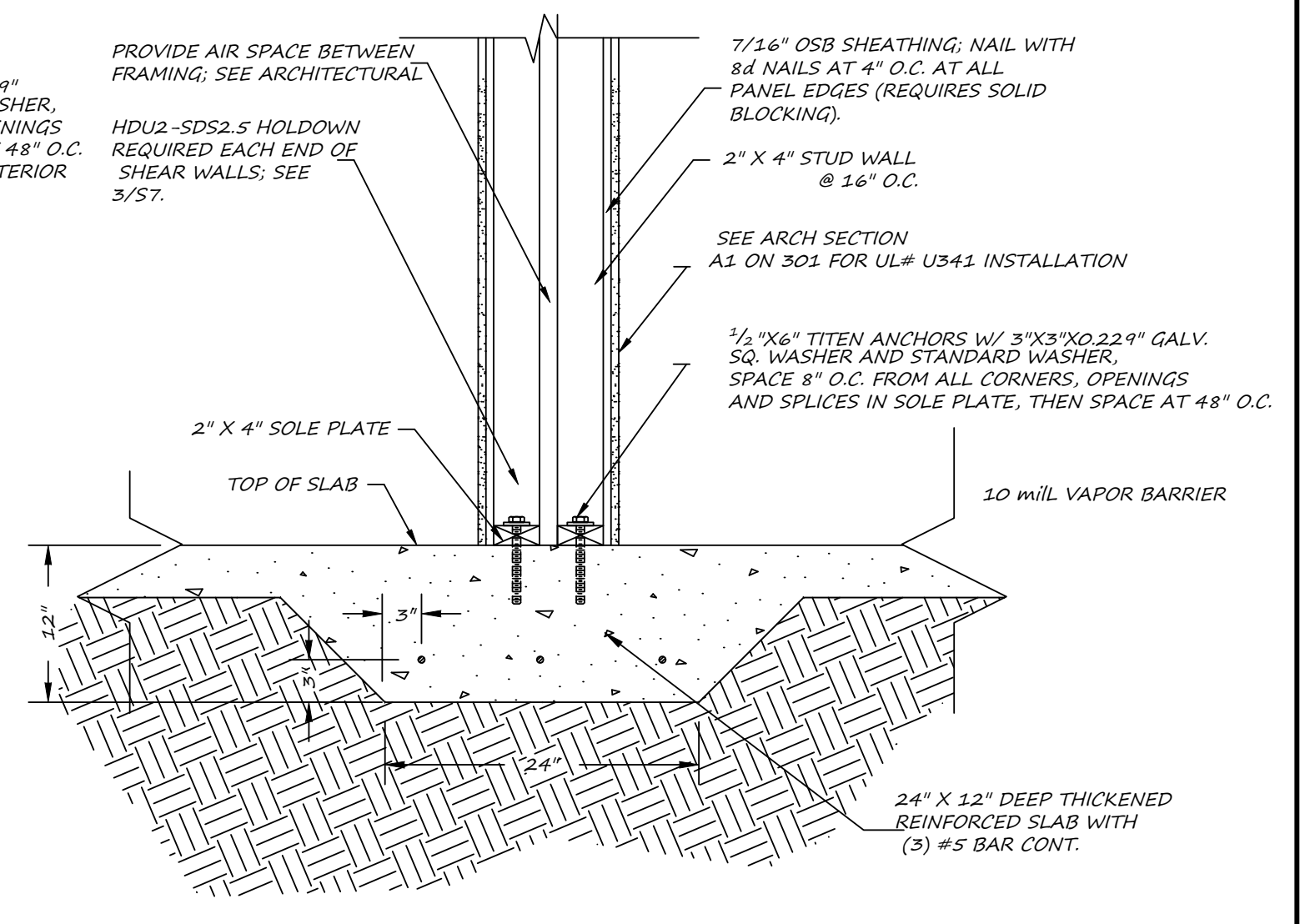
3 CONCRETE WALL SECTION PARR. TO FLOOR TRUSS
SCALE: 1/2" = 1'-0"



4 TURN DOWN SLAB - NO BRICK
SCALE: 1/2" = 1'-0"

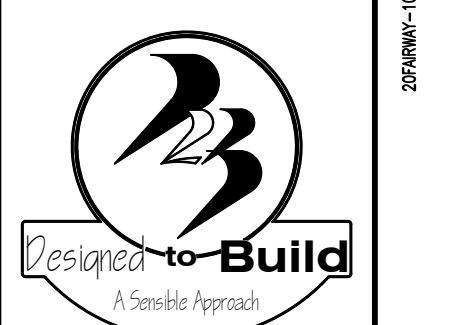


5 INTERIOR THICKENED SLAB SECTION
SCALE: 1/2" = 1'-0"

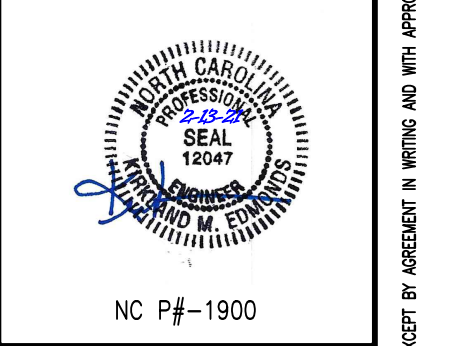


6 SHEAR WALL FND SECTION
SCALE: 1/2" = 1'-0"

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NC P#-1900

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

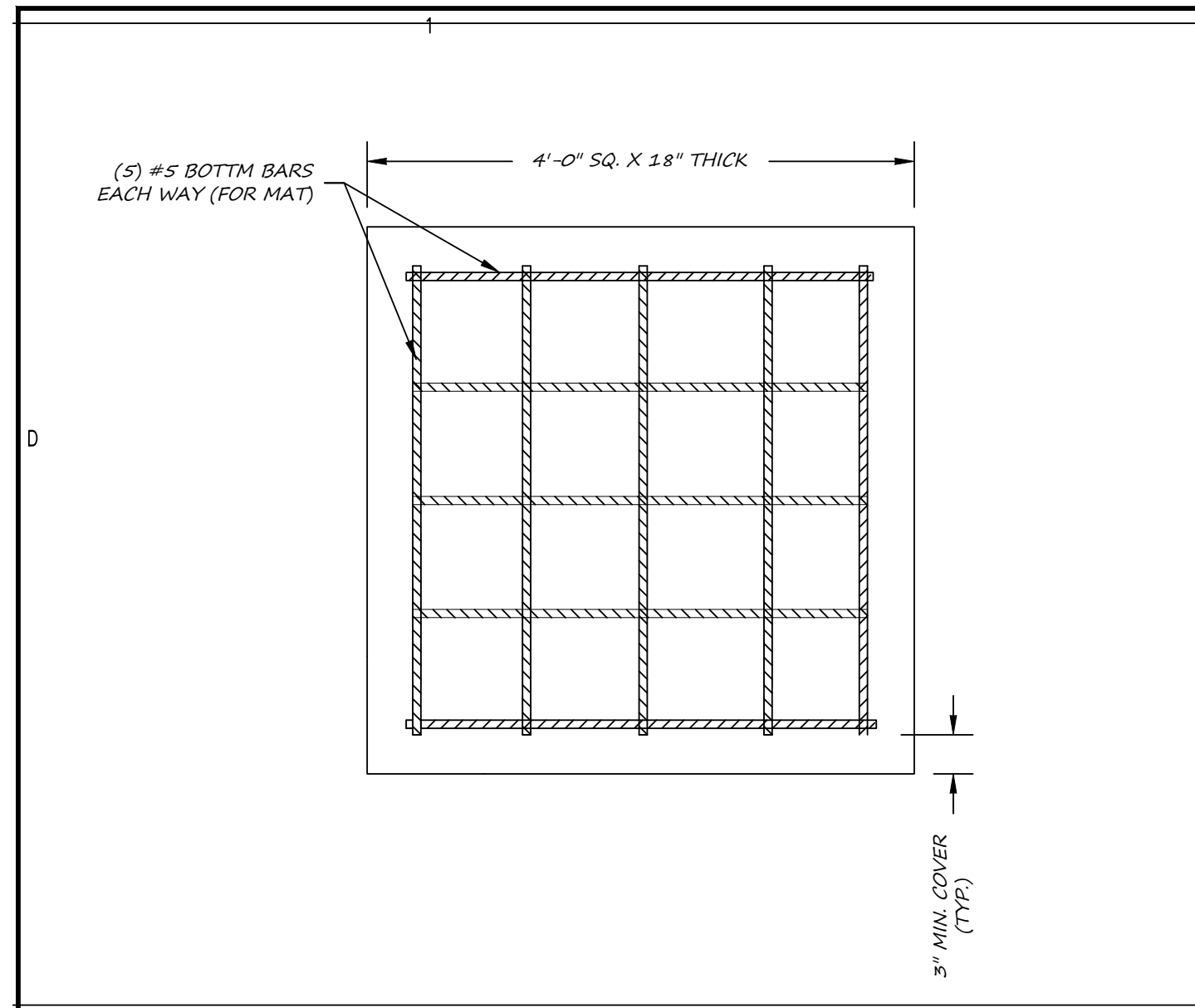
NO.	DATE	DESCRIPTION	BY	CHK
1	4-12-21	ORIGINAL ISSUE	KME	

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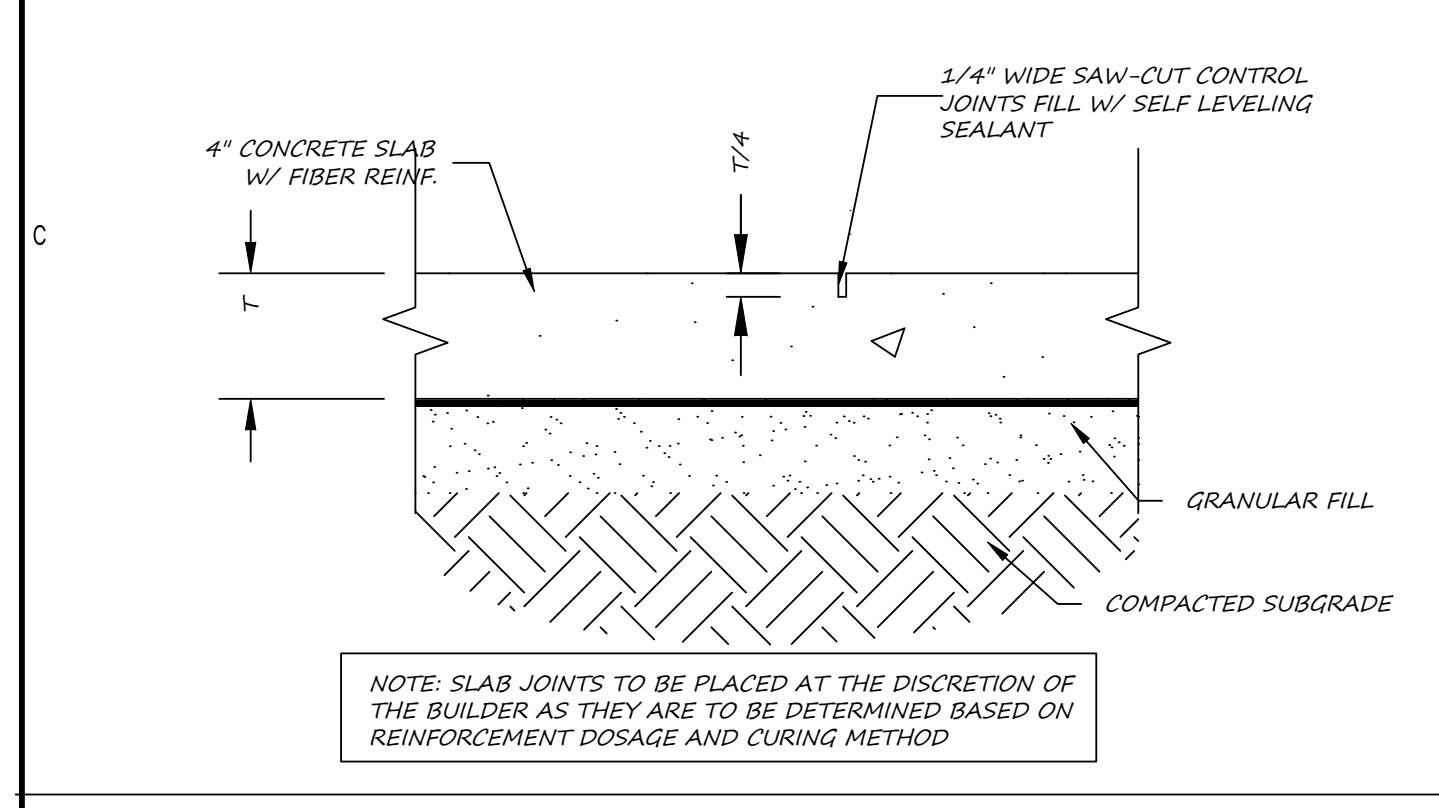
SHEET TITLE:
STRUCTURAL DETAILS

S-6
SHEET 6 OF 7

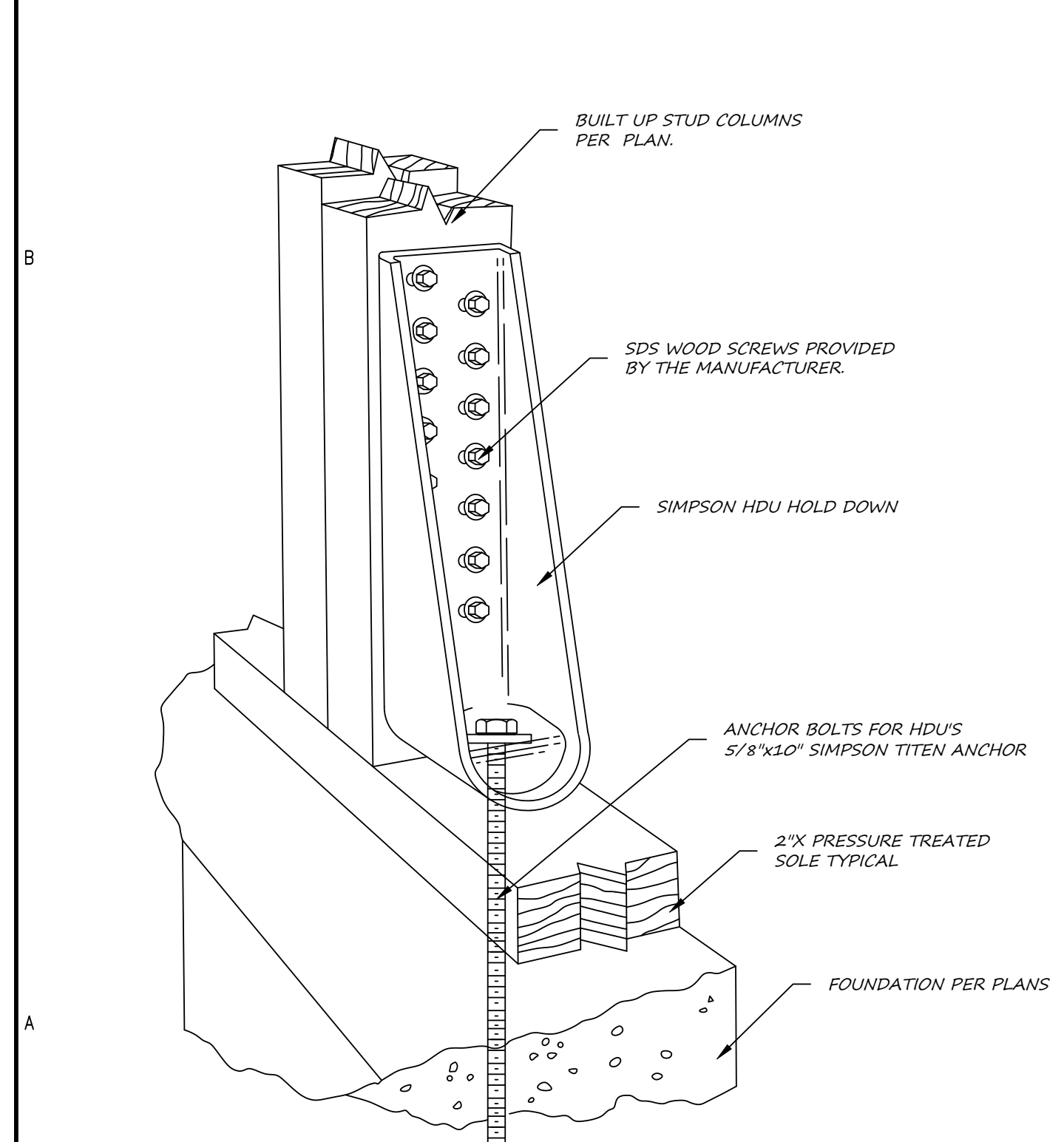
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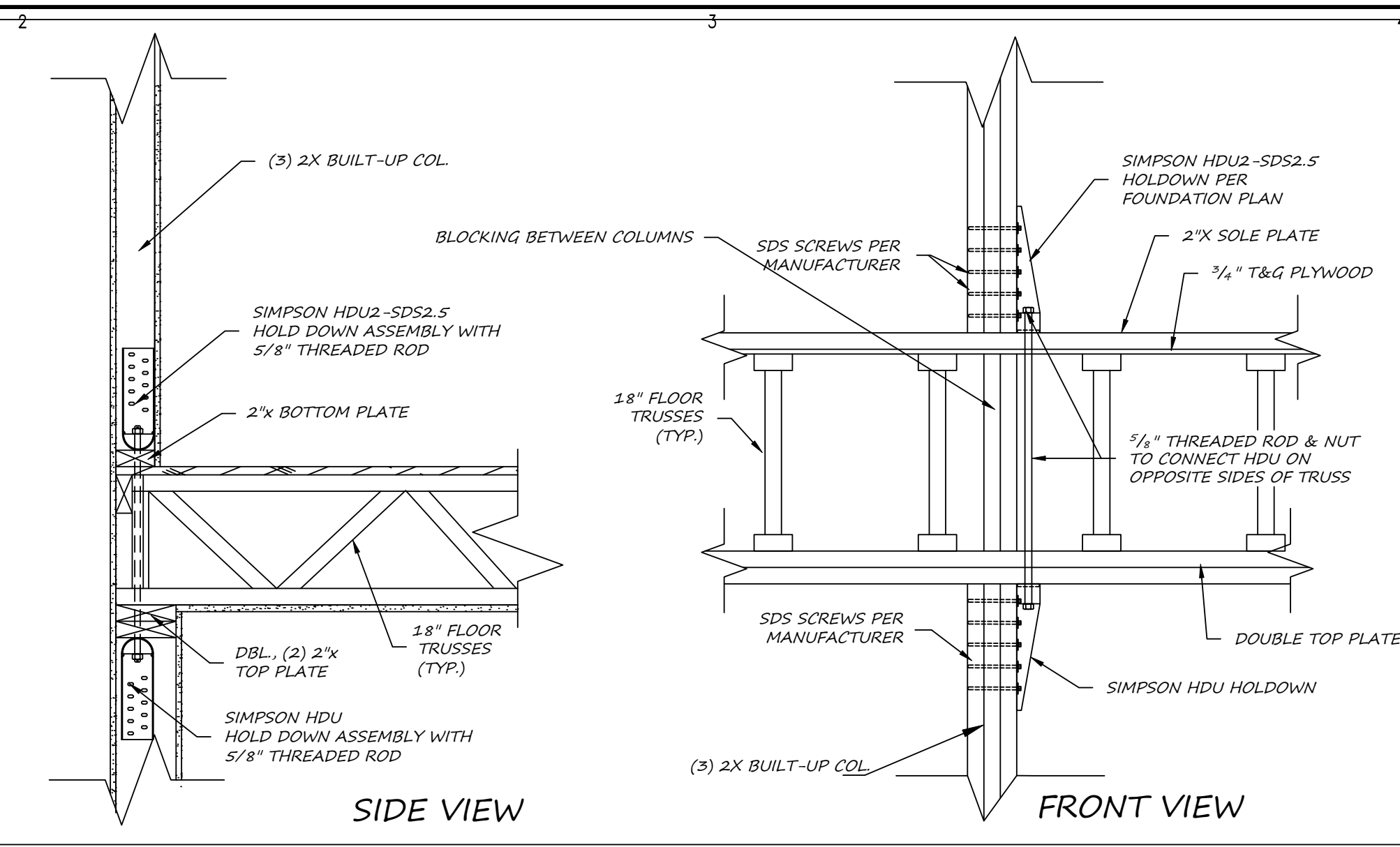
1 SPREAD FOOTING DETAIL
SCALE: 1/2" : 1'-0"



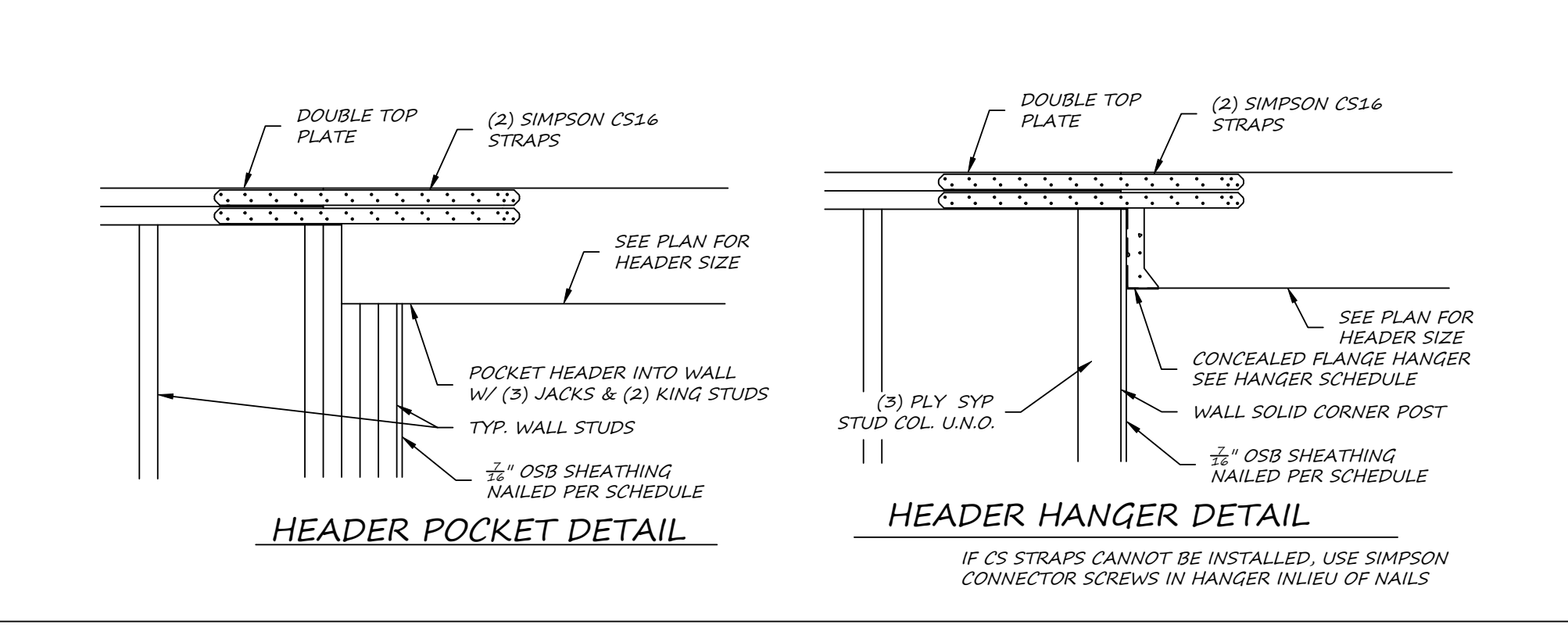
2 SLAB CONTROL JOINT DETAIL
SCALE: 1/2" : 1'-0"



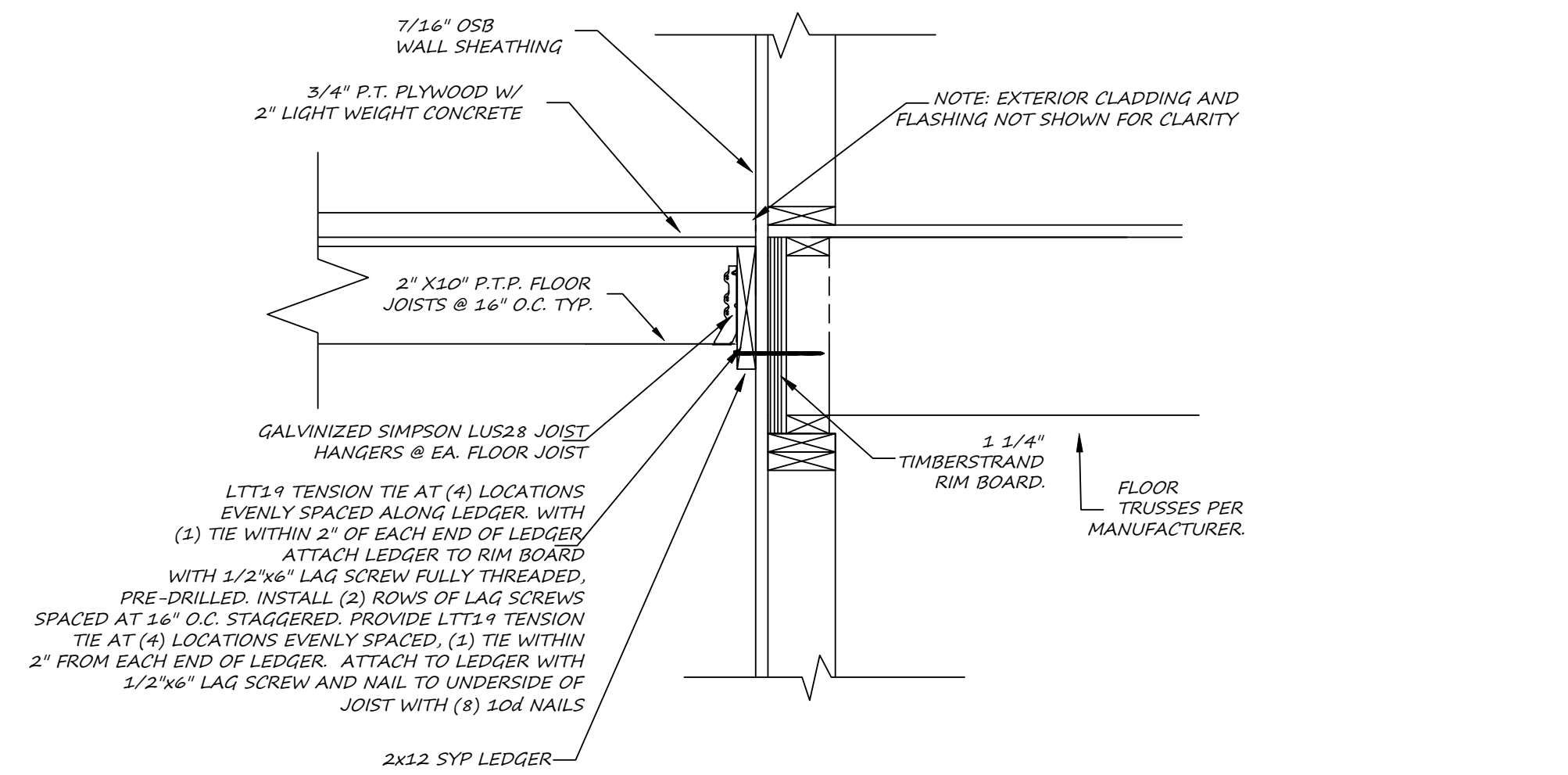
3 SHEAR WALL HOLDOWN DETAIL
SCALE: 1/2" : 1'-0"



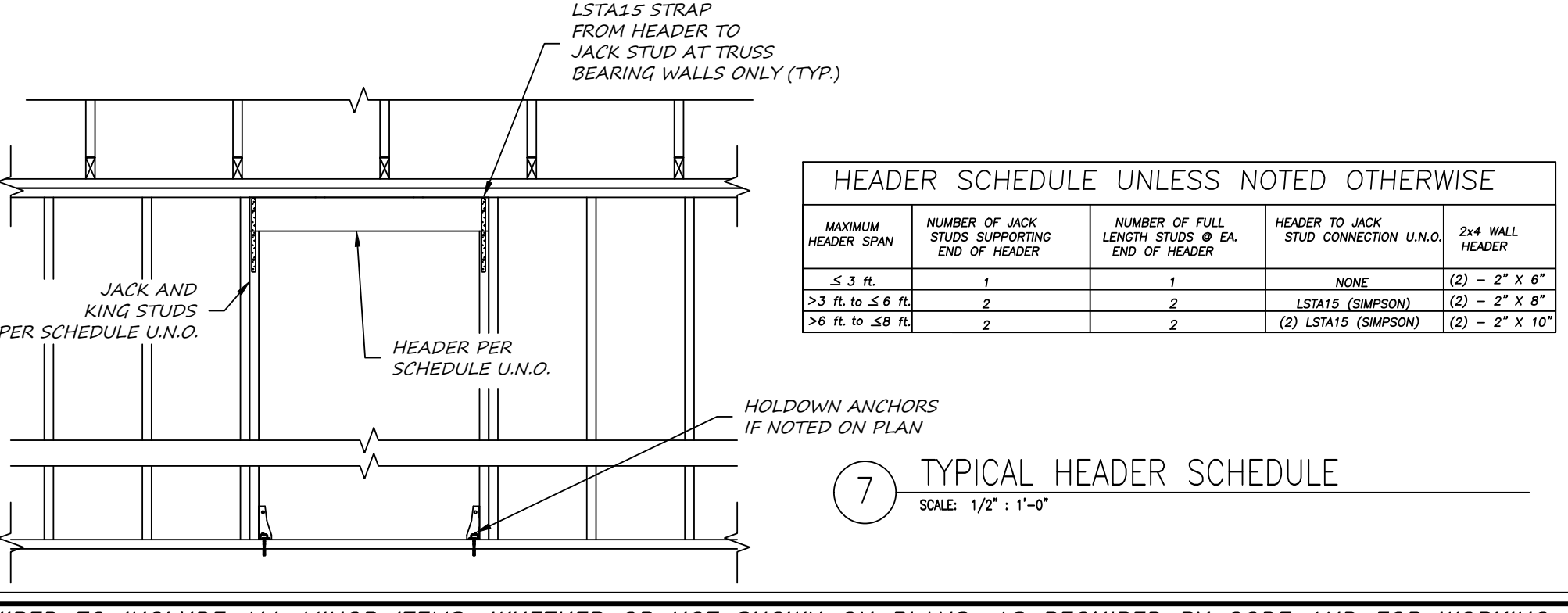
4 SHEARWALL HOLDOWN FLOOR TO FLOOR
SCALE: 1/2" : 1'-0"



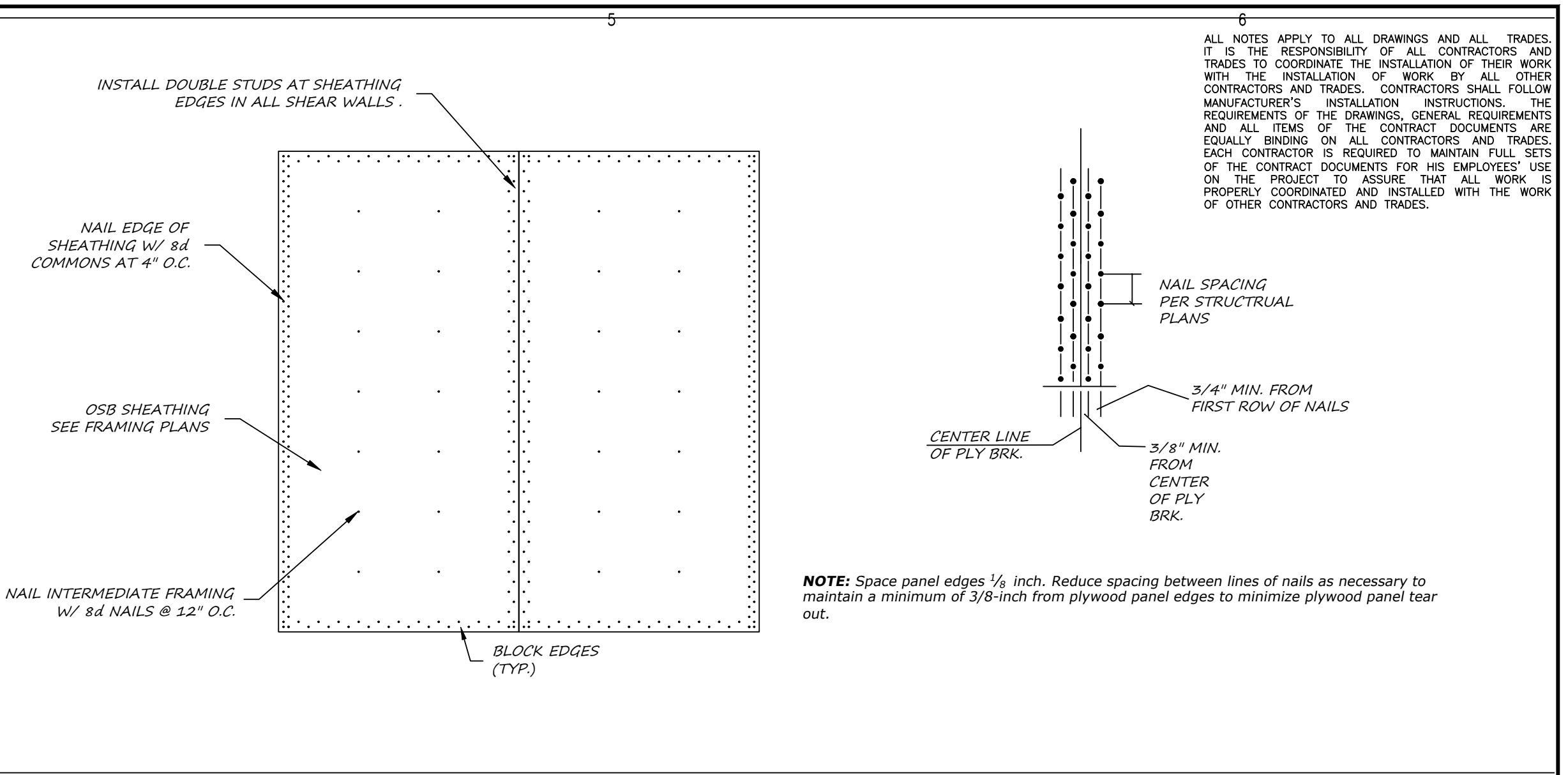
5 PORCH HEADER CONNECTION DETAILS
SCALE: 1/2" : 1'-0"



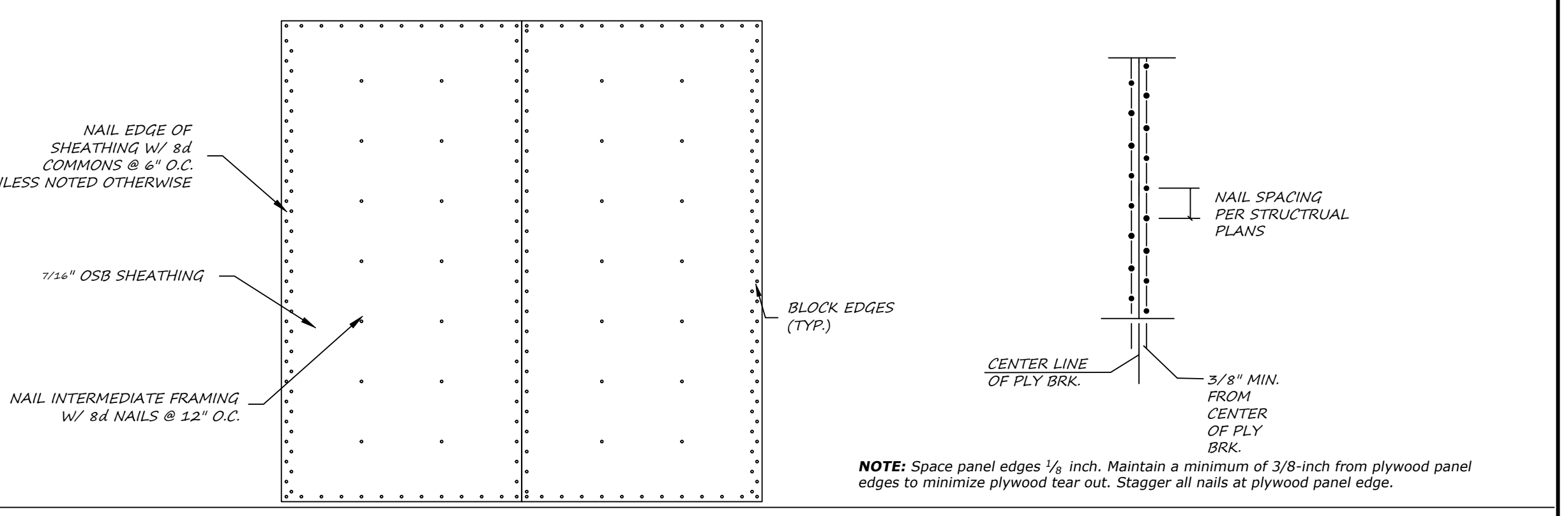
6 LEDGER CONNECTION AT PORCH
SCALE: 1/2" : 1'-0"



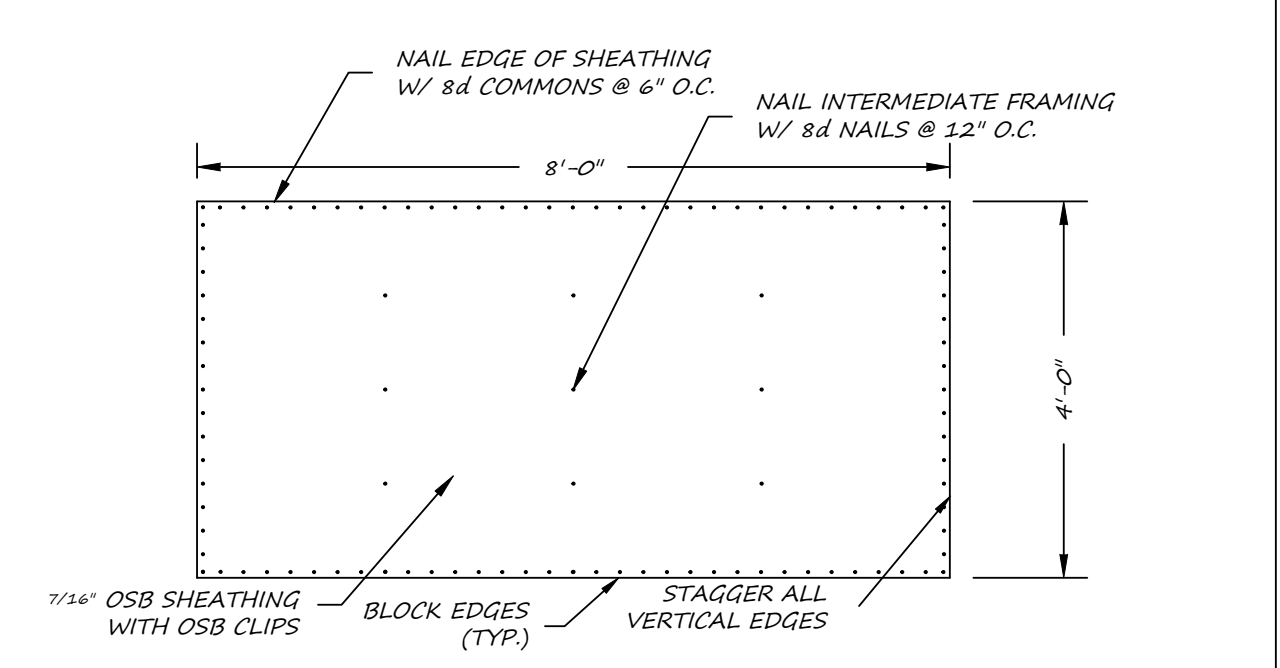
7 TYPICAL HEADER SCHEDULE
SCALE: 1/2" : 1'-0"



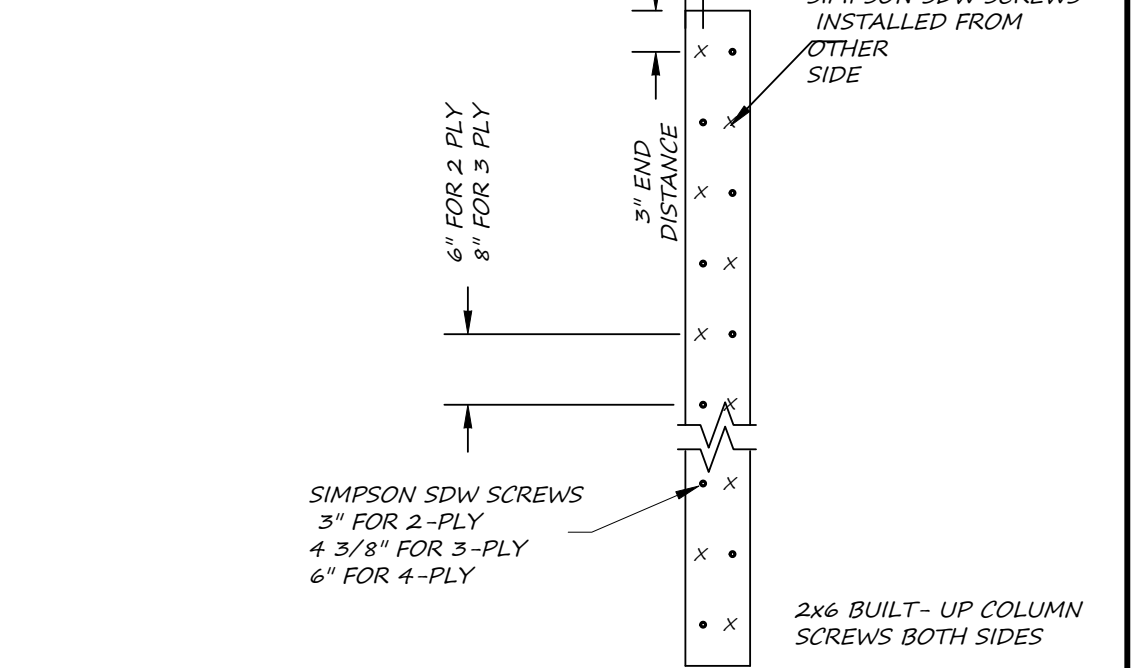
8 SHEARWALL NAILING DETAIL
SCALE: 1/2" : 1'-0"



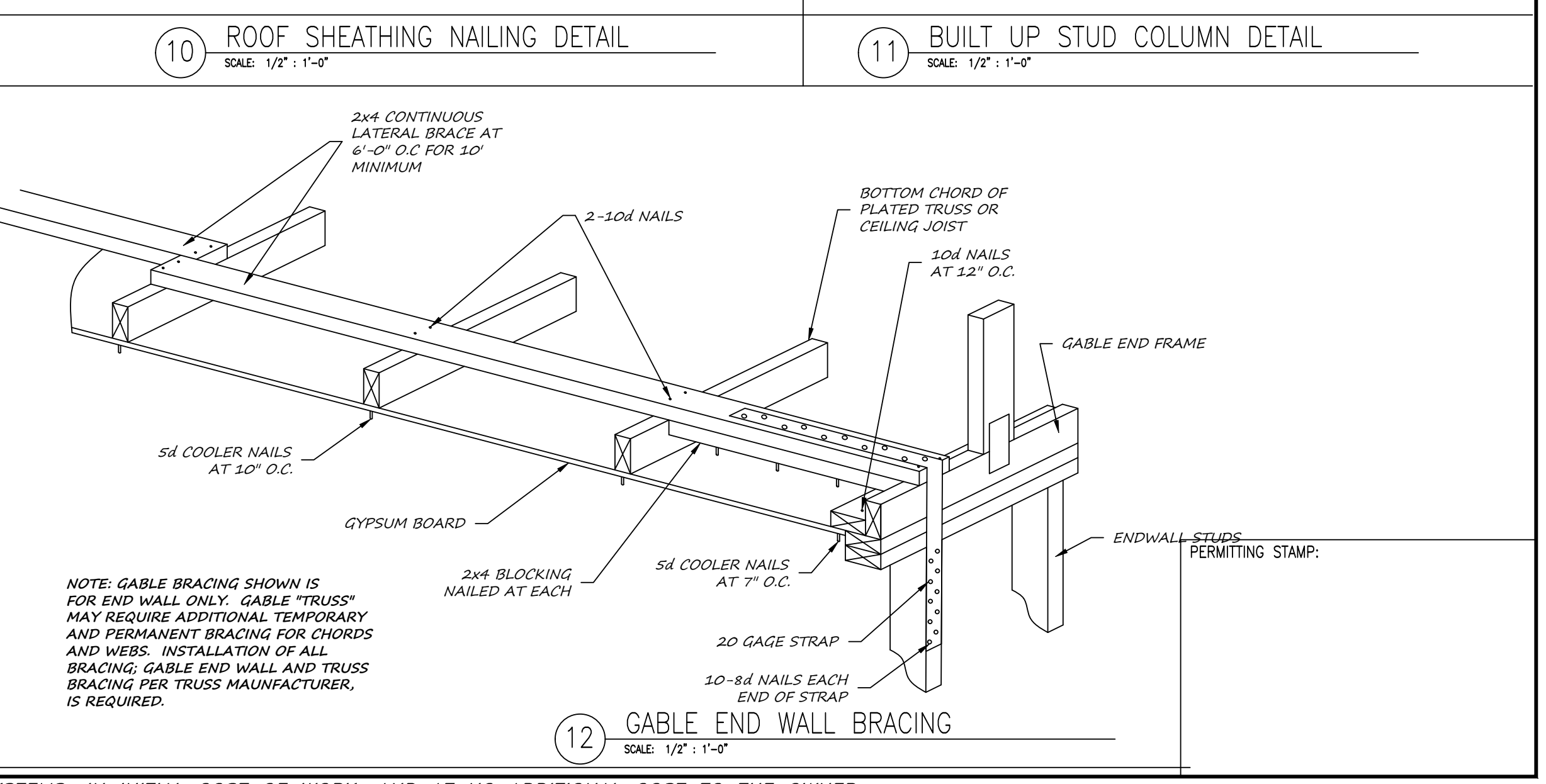
9 EXTERIOR WALL NAILING DETAIL
SCALE: 1/2" : 1'-0"



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

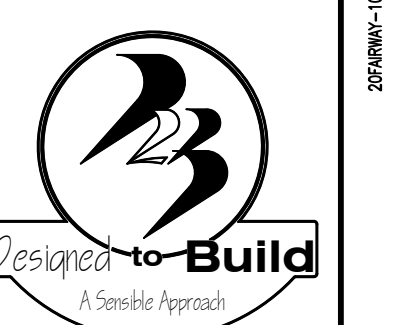


11 BUILT UP STUD COLUMN DETAIL
SCALE: 1/2" : 1'-0"

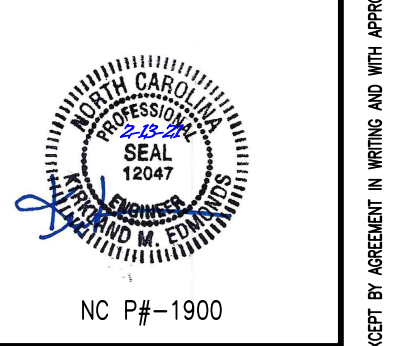


12 GABLE END WALL BRACING
SCALE: 1/2" : 1'-0"

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andy@designedtobuild.com



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

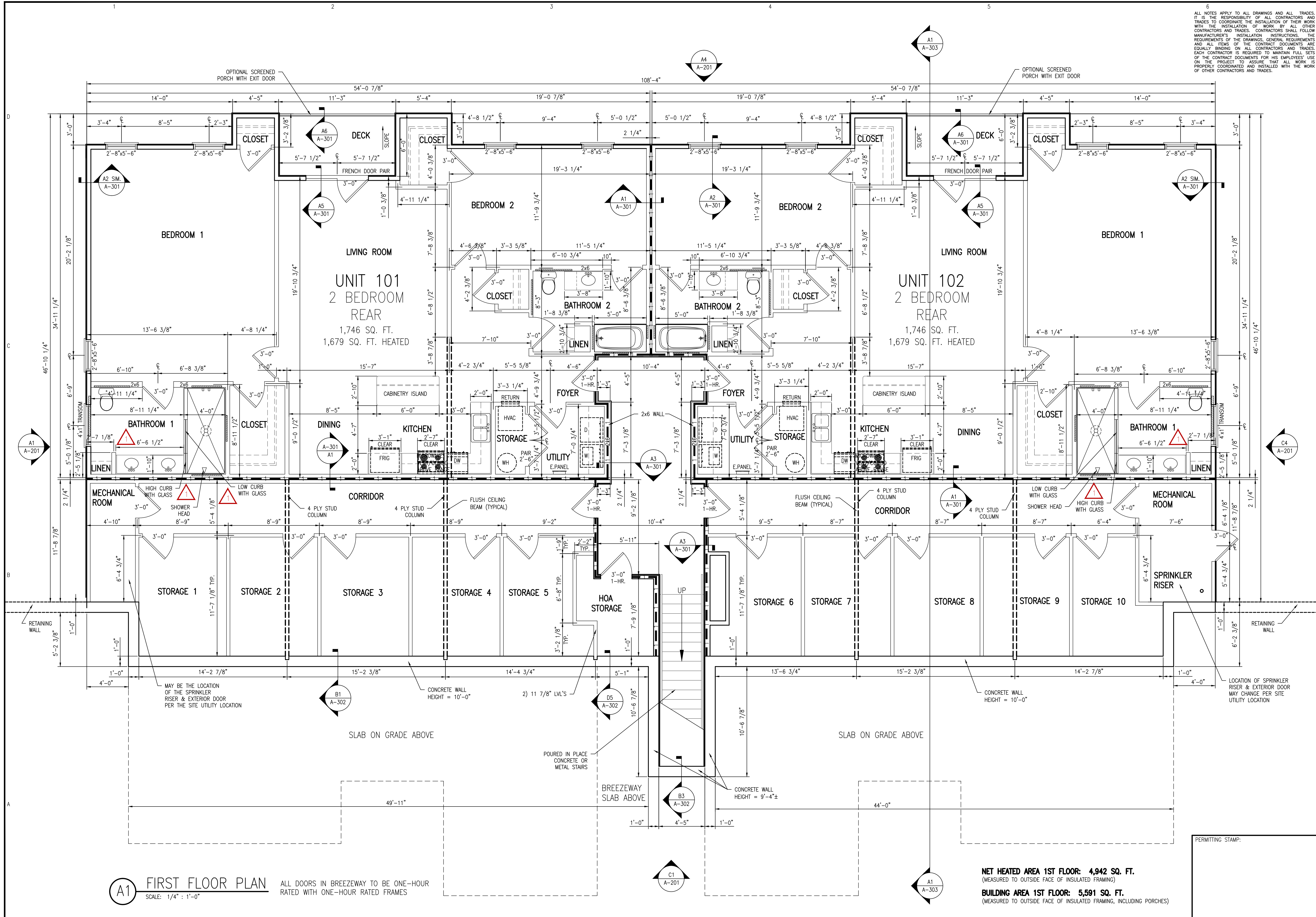
NO.	DATE	DESCRIPTION	CHK

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CHECKED BY: K. EDMONDS
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SHEET TITLE:
STRUCTURAL DETAILS

S-7
SHEET 7 OF 7

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

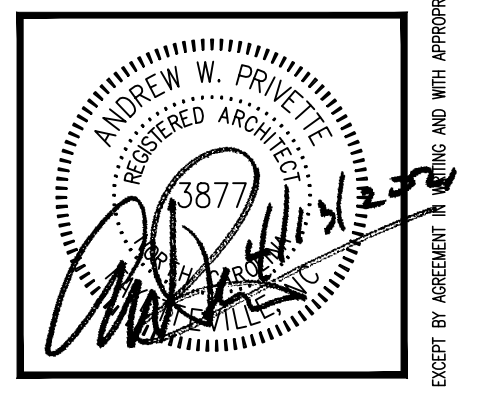
ALL DOORS IN BREEZEWAY TO BE ONE-HOUR RATED WITH ONE-HOUR RATED FRAMES

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)

PERMITTING STAMP:



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FAIRWAY POINTE at ANDERSON CREEK CLUB
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GALLERY DRIVE, BUILDING —
SPRING LAKE, NORTH CAROLINA 28390

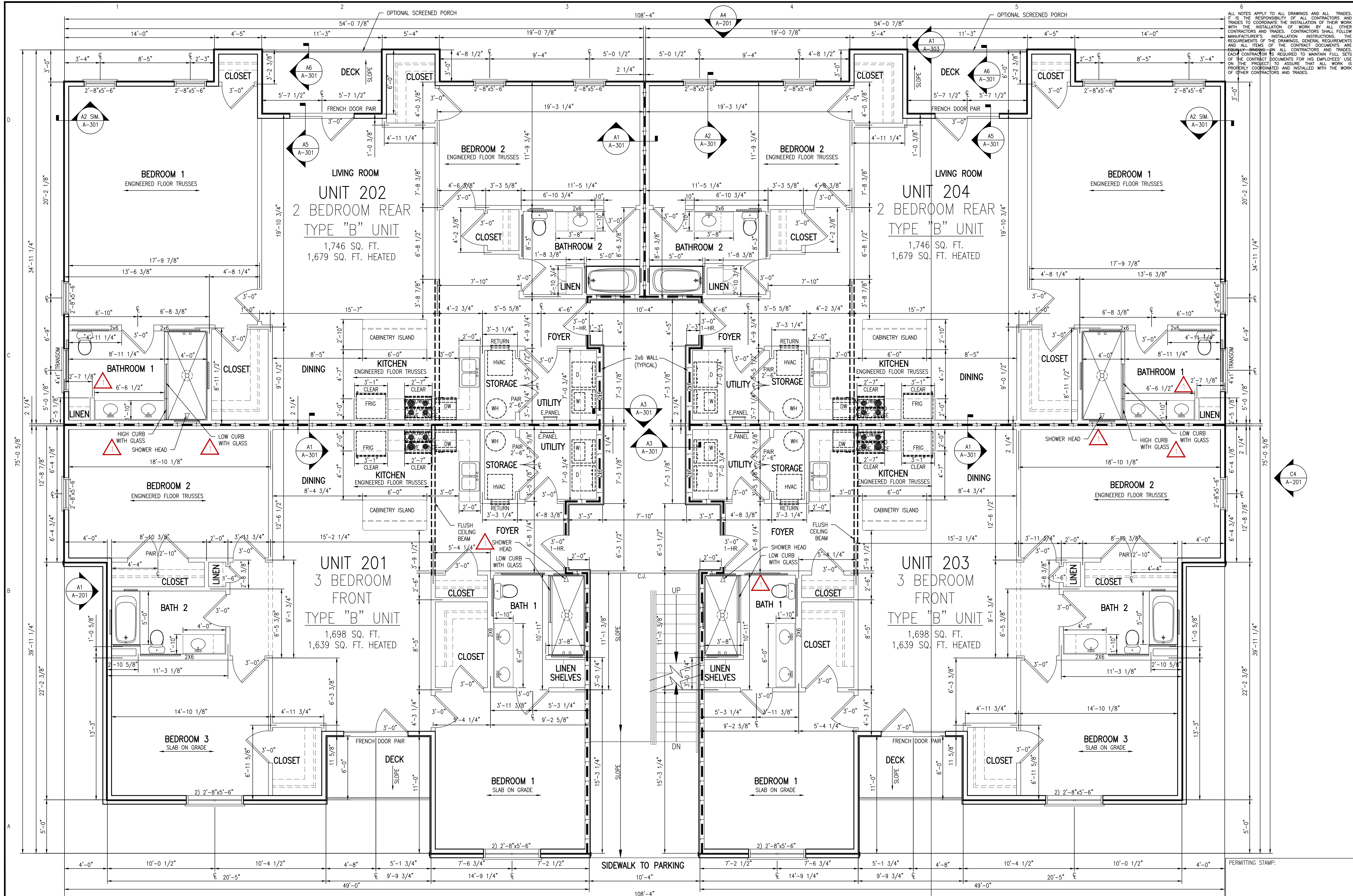
NO.	DATE	DESCRIPTION	BY	CHK
1	11-30-22	ISSUE PERMITTED FOR CLIENT'S REVIEW	AWP	
2	11-30-22	PERMIT	AWP	
3	11-30-22	ISSUE FOR CONSTRUCTION SET	AWP	

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

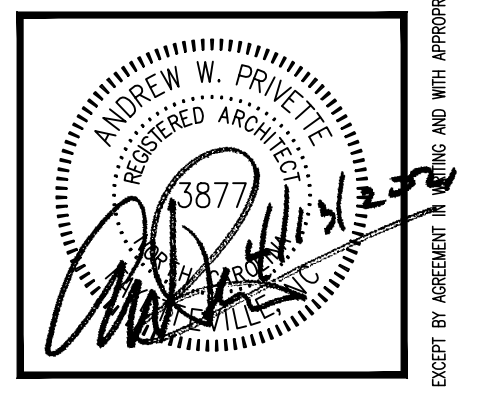
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 GALLERY DRIVE, BUILDING —
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK

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"

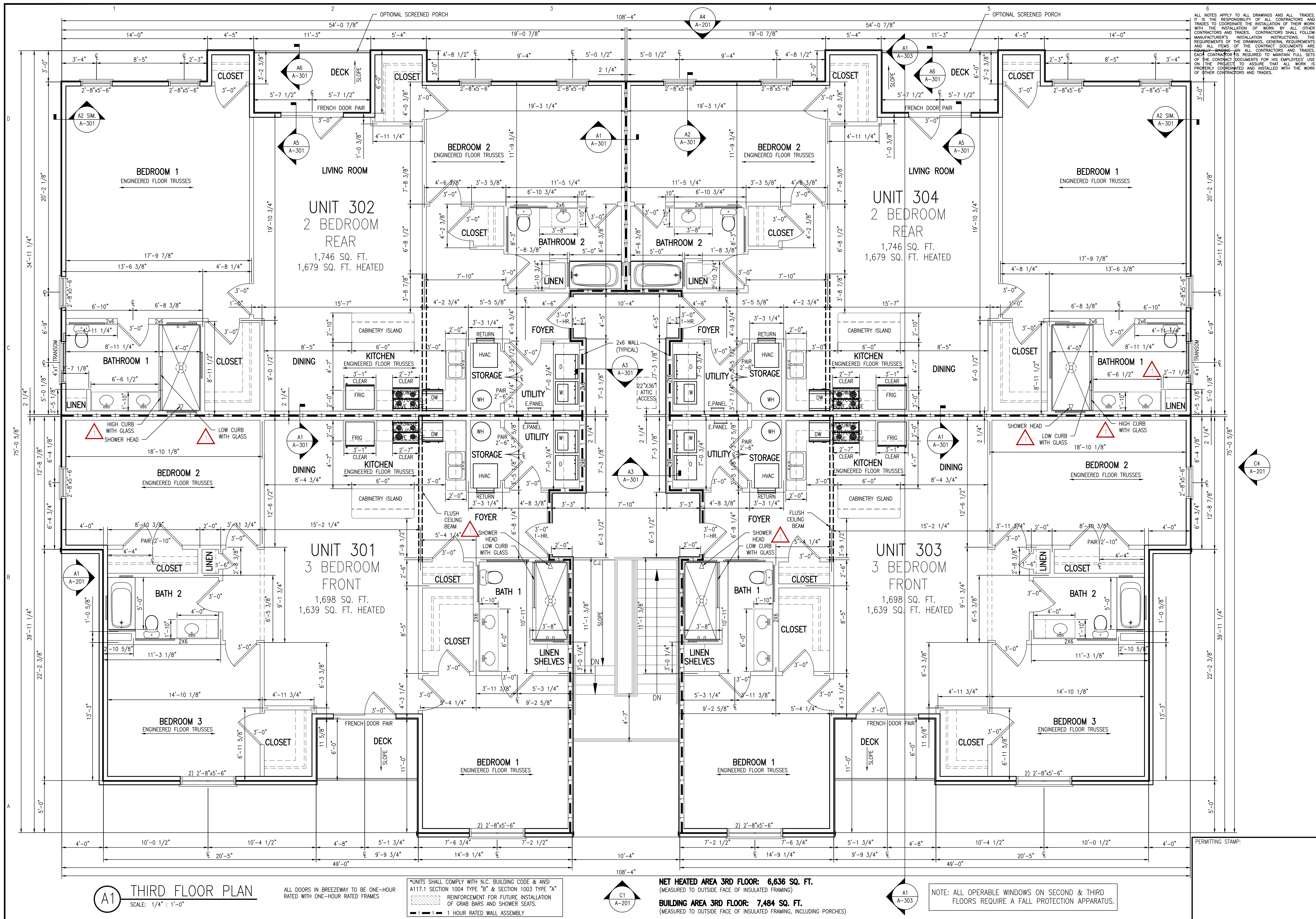
ALL DOORS IN BREEZEWAY TO BE ONE-HOUR RATED WITH ONE-HOUR RATED FRAMES

*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.

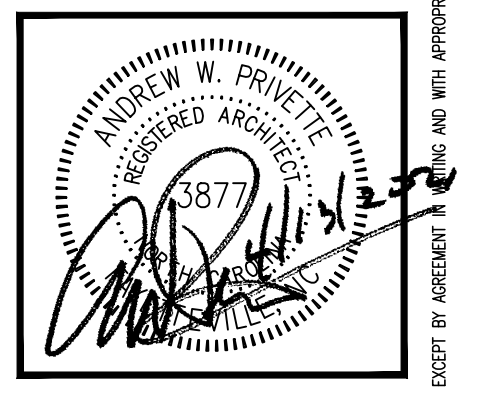
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Designed to Build
A Smart Approach

ANDREW W. PRIVETTE, AIA
1920 FT. BRAGG ROAD
FAYETTEVILLE,
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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.	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

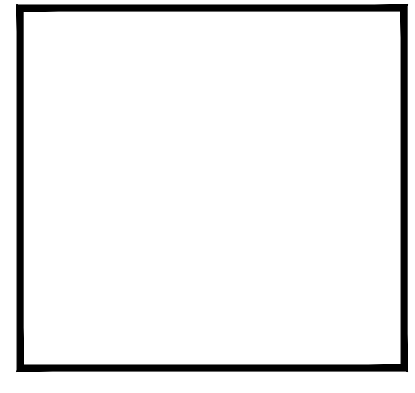
A-103
SHEET 3 OF 8

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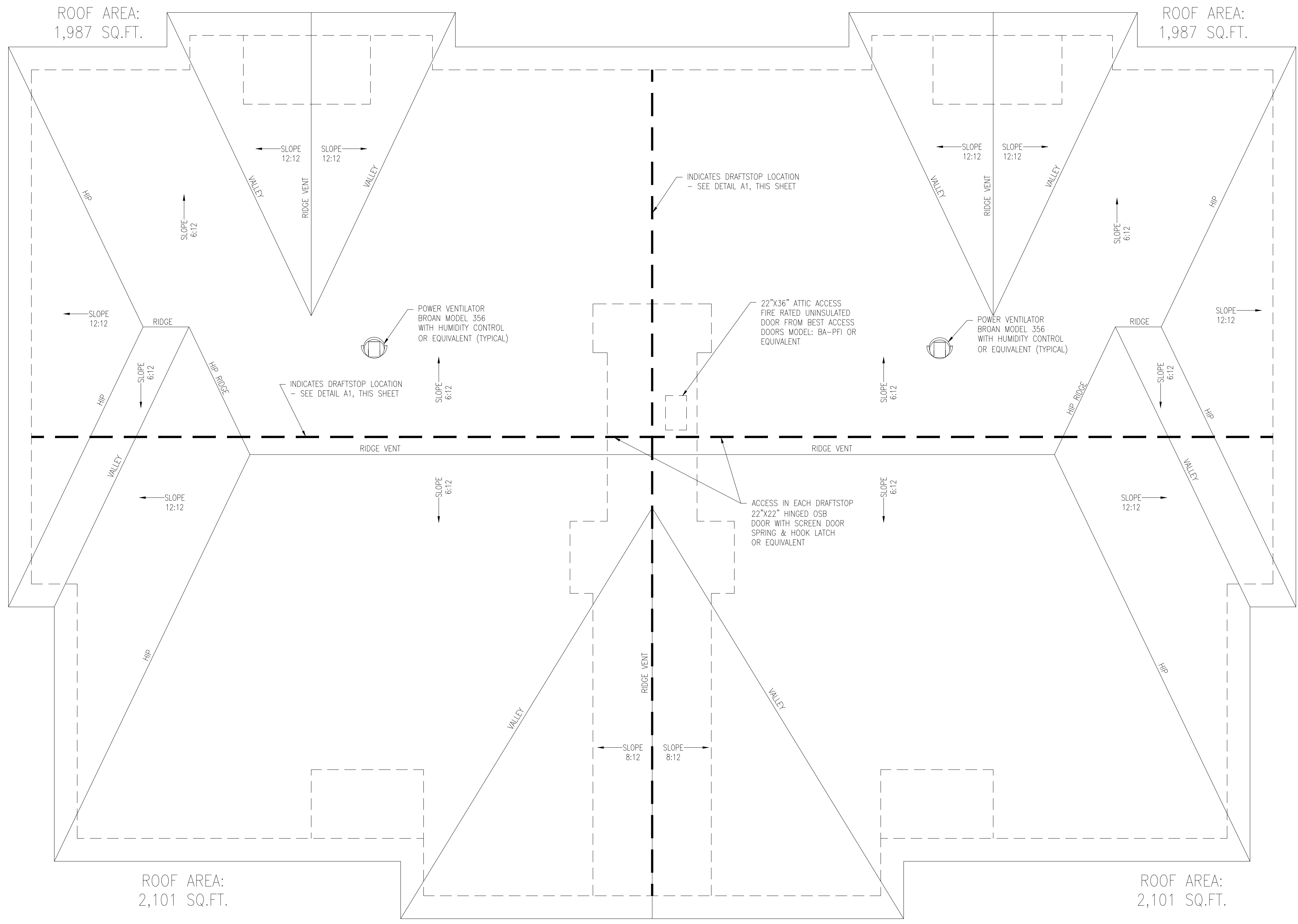
FAIRWAY POINTE at ANDERSON CREEK CLUB
 THREE-STORY, TEN-UNIT BUILDING
 GALLERY DRIVE, BUILDING —
 SPRING LAKE, NORTH CAROLINA 28390

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

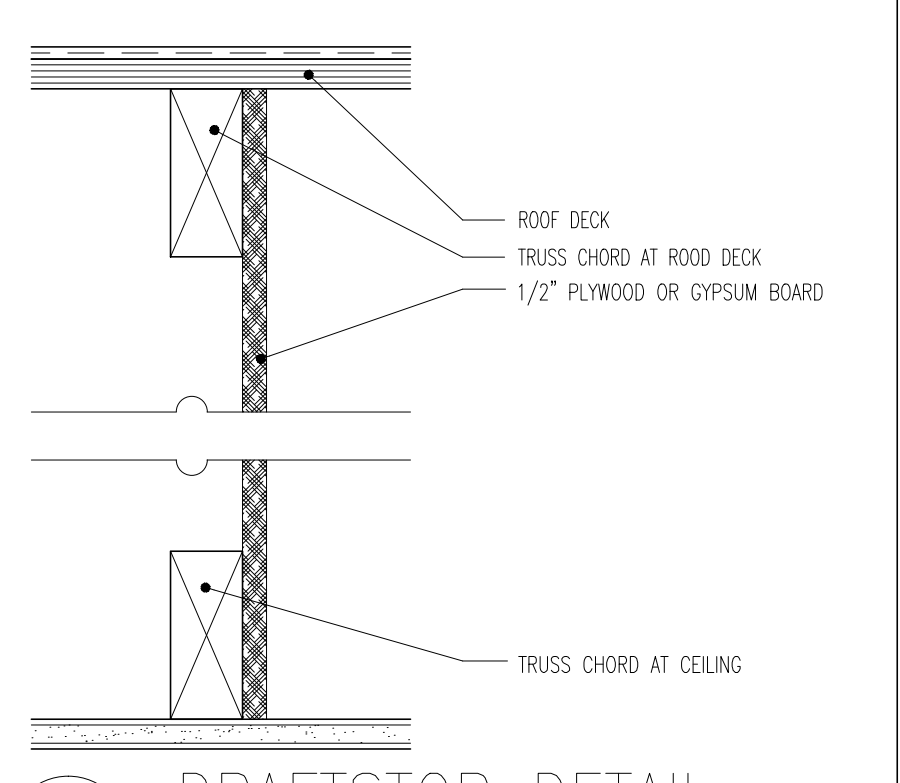
JOB CODE: 20FAIRWAY-10
 DRAWN BY: S.S.TOPE
 CHECKED BY: A. PRIVETTE
 COPYRIGHT: DESIGNED TO BUILD

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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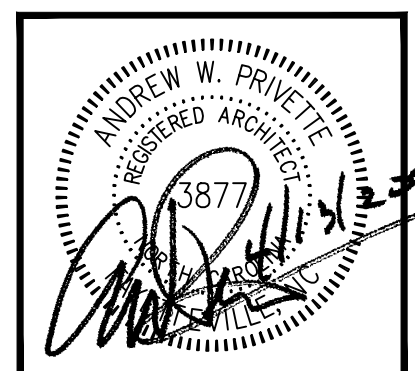
PERMITTING STAMP:

20FAIRWAY-10

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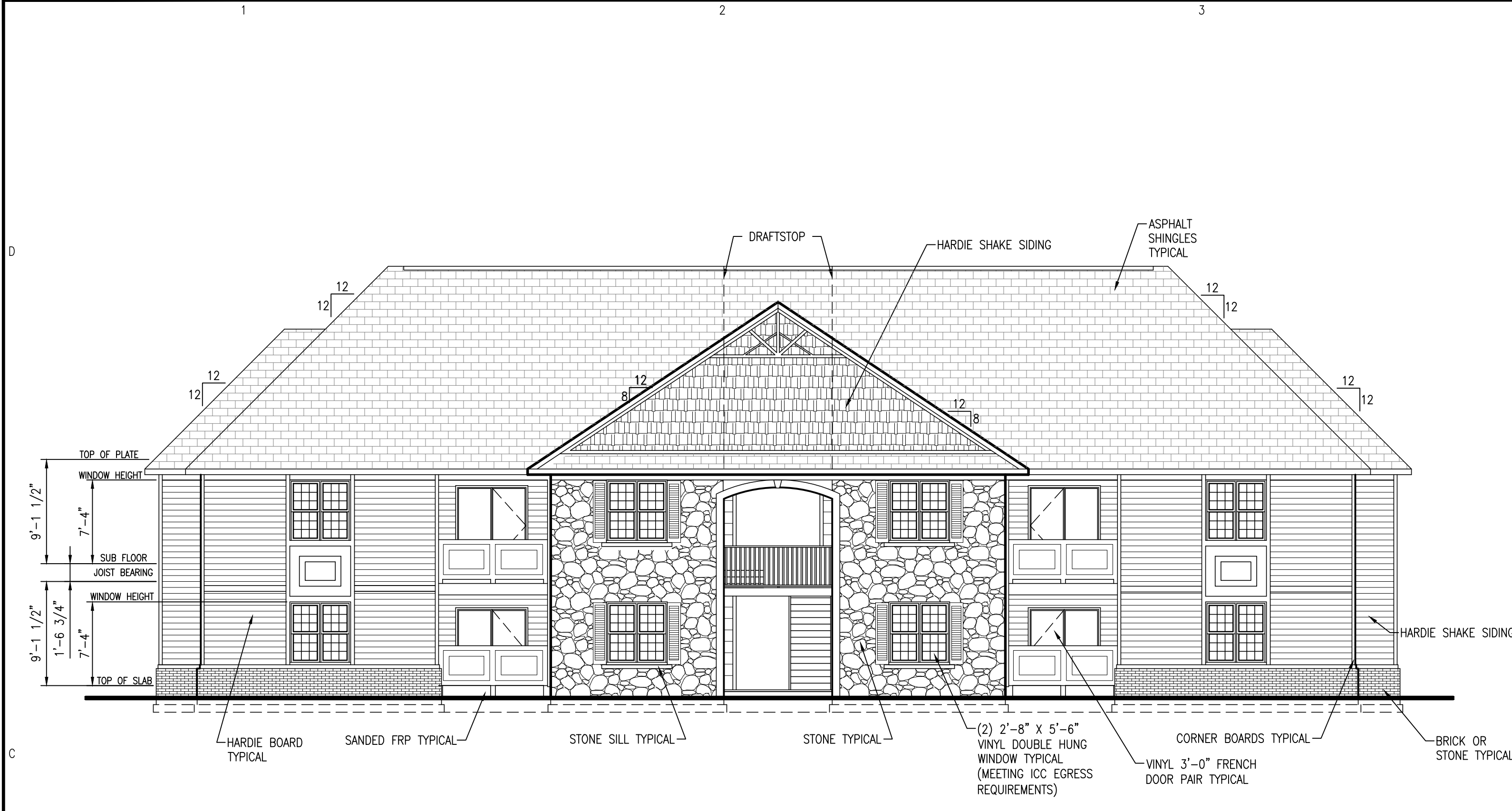
FAIRWAY POINTE at ANDERSON CREEK CLUB
 THREE-STORY, TEN-UNIT BUILDING
 GALLERY DRIVE, BUILDING —
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	BY	CHK
1	11-13-21	ISSUE FOR PERMIT	S.S.TOPE	

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

SHEET TITLE:
 EXTERIOR ELEVATIONS

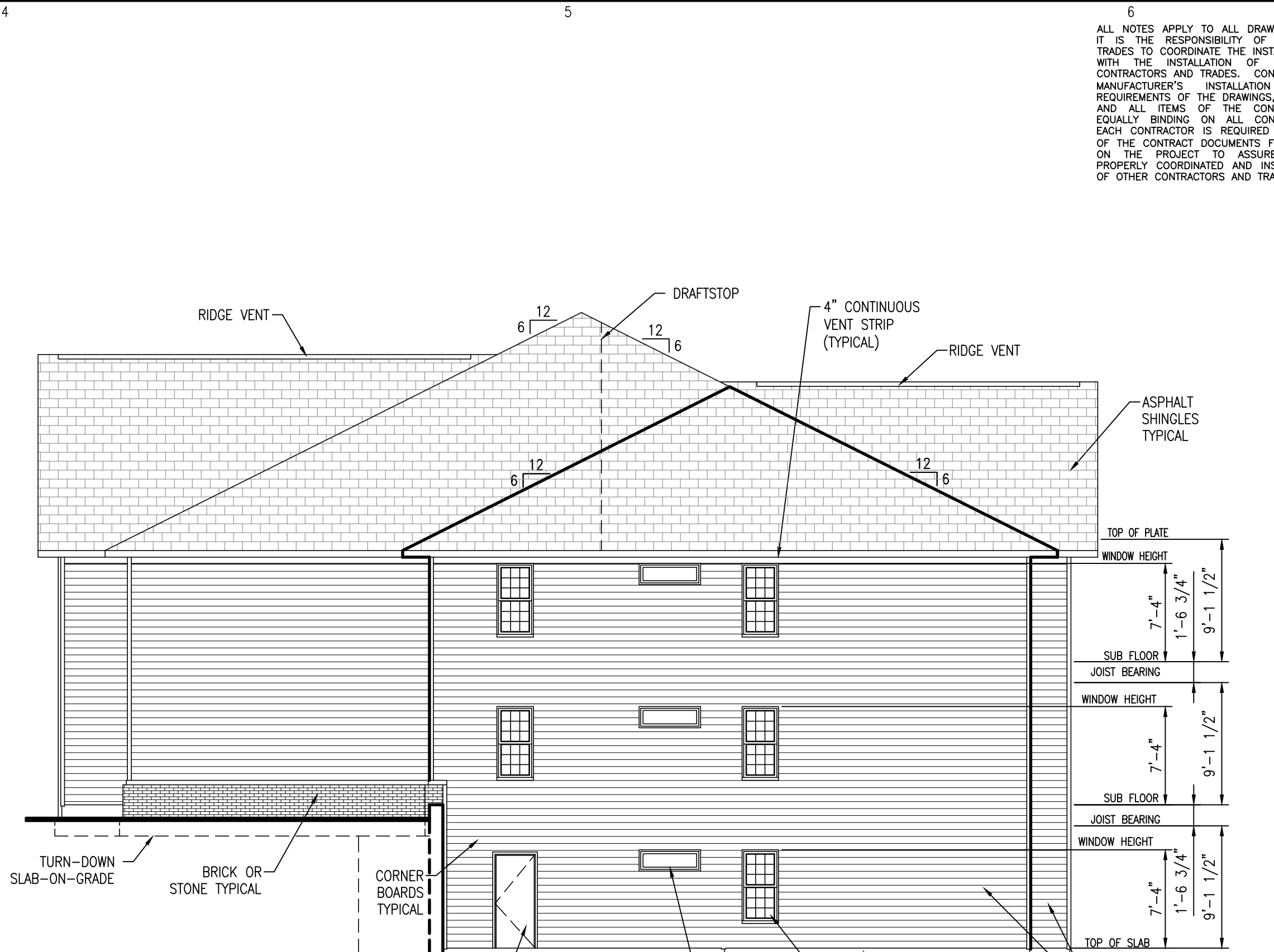
A-201
 SHEET 5 OF 8



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

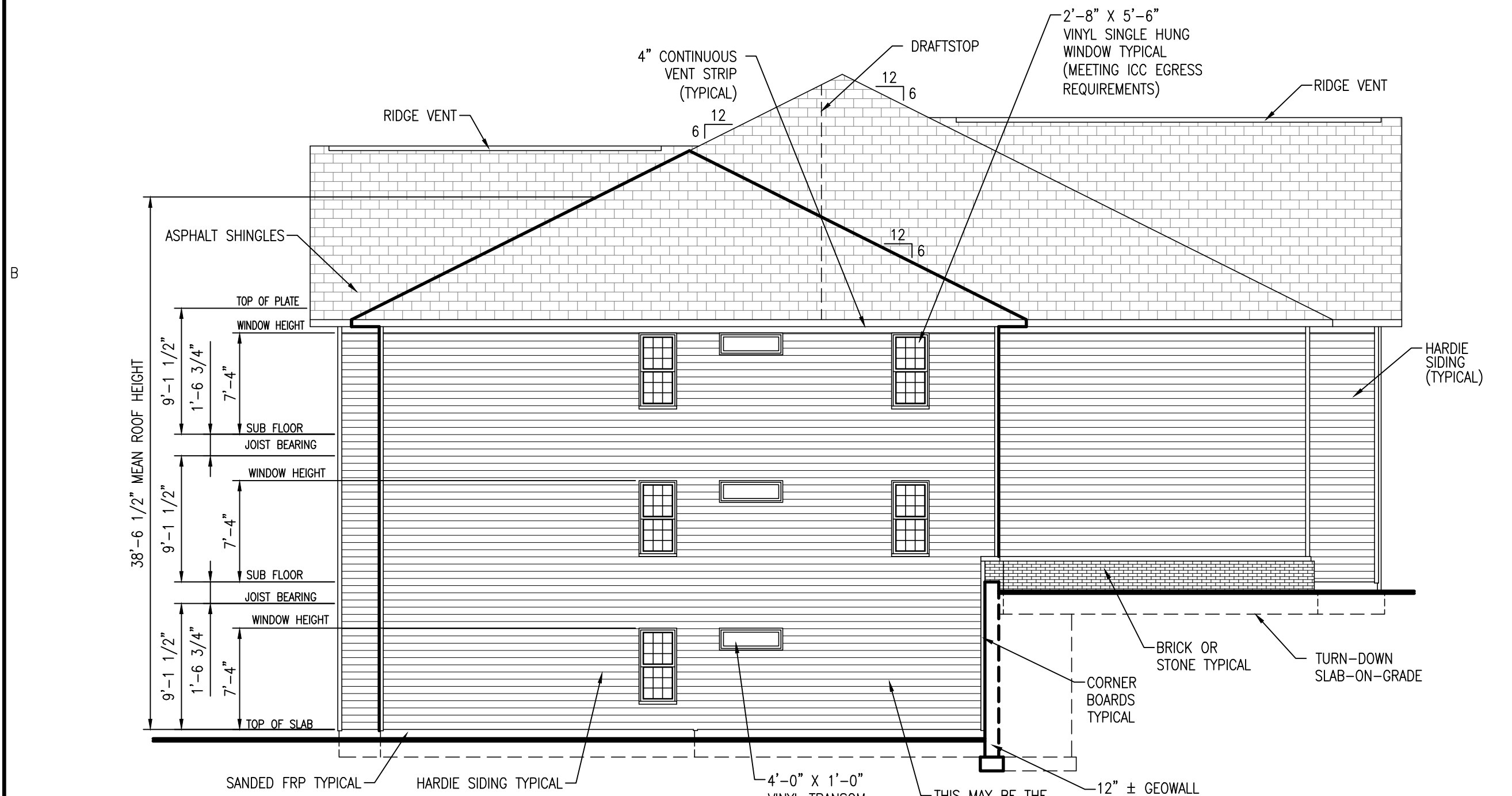
NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.

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"

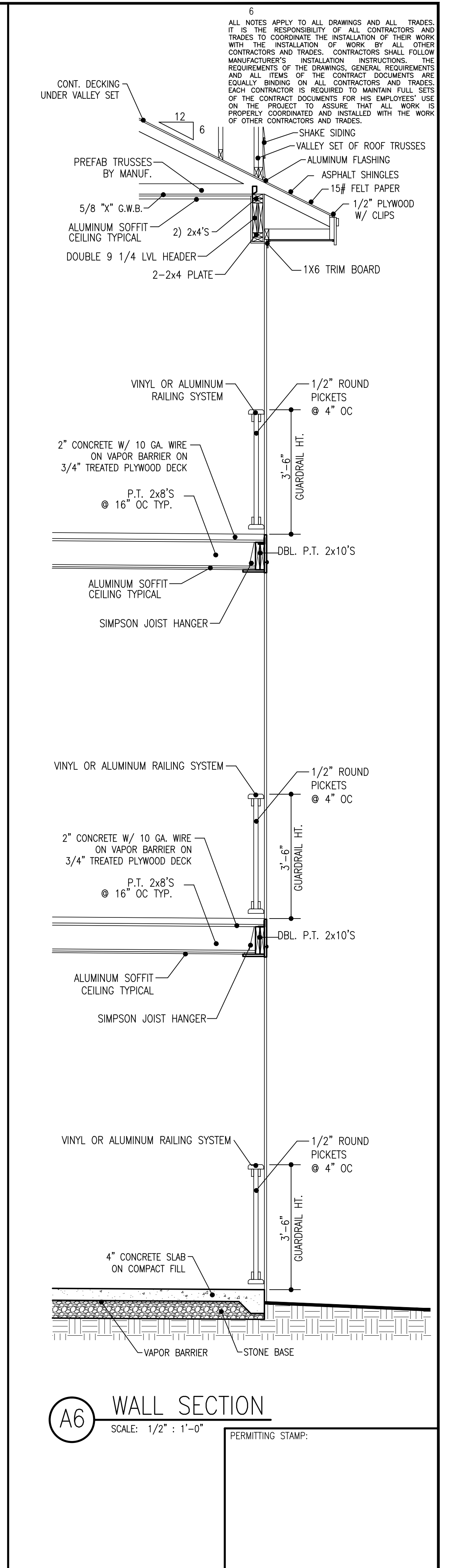
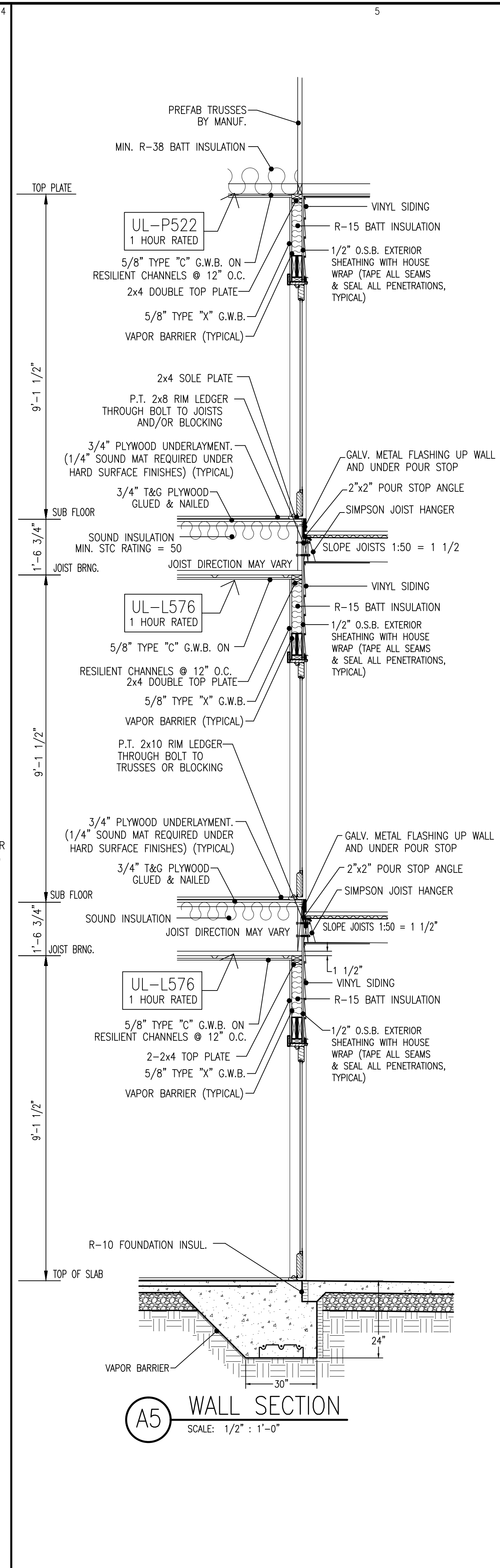
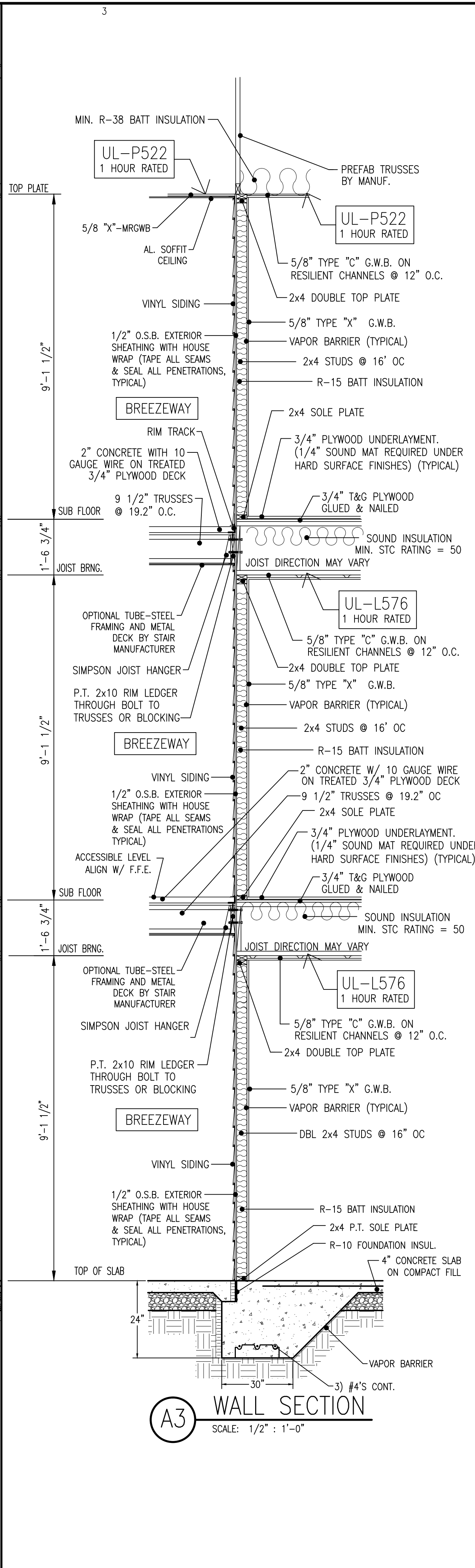
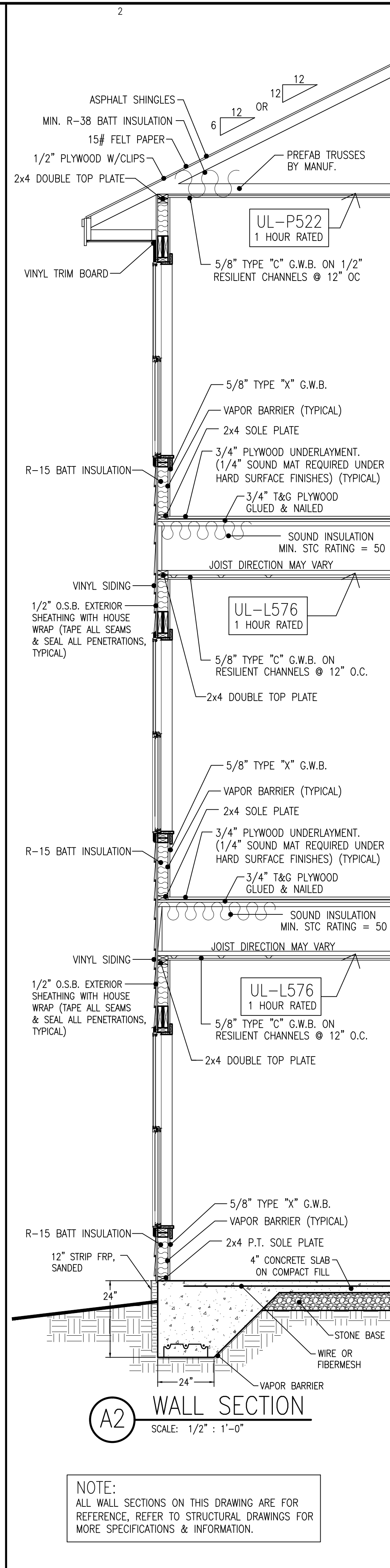
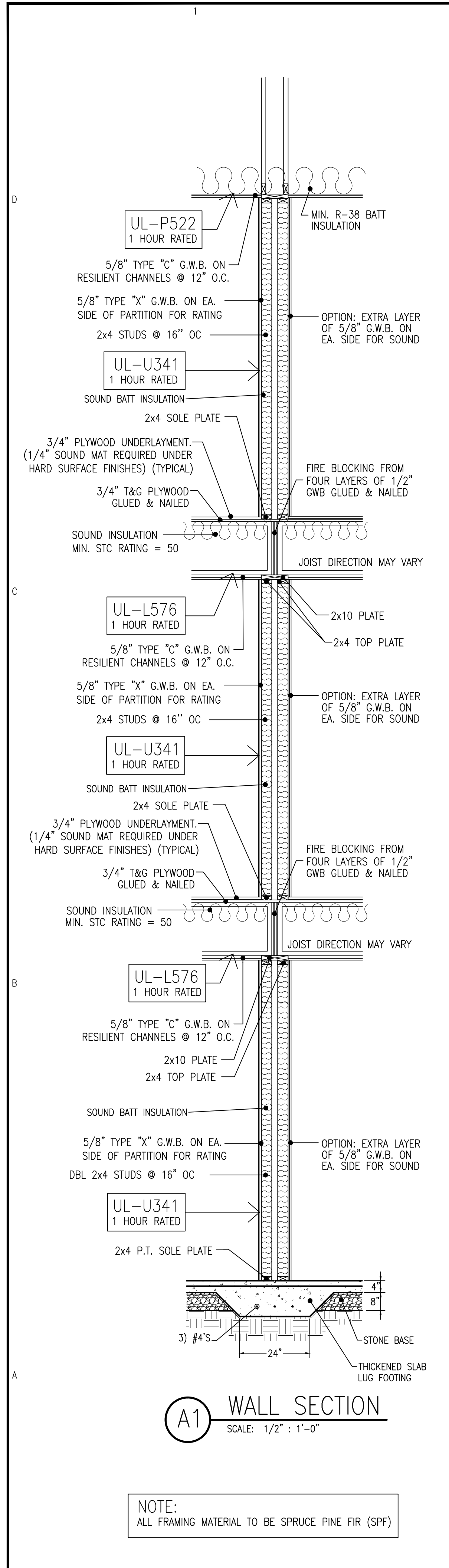
NOTE: ALL OPERABLE WINDOWS ON SECOND & THIRD FLOORS REQUIRE A FALL PROTECTION APPARATUS.



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

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

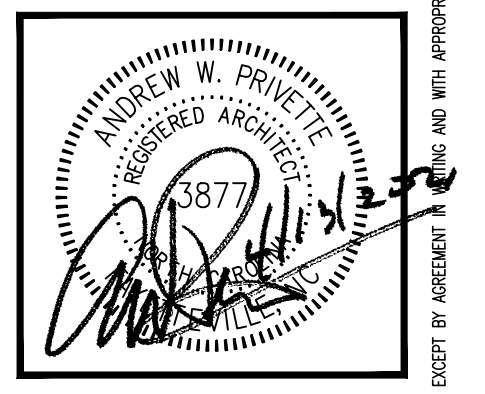
PERMITTING STAMP:



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

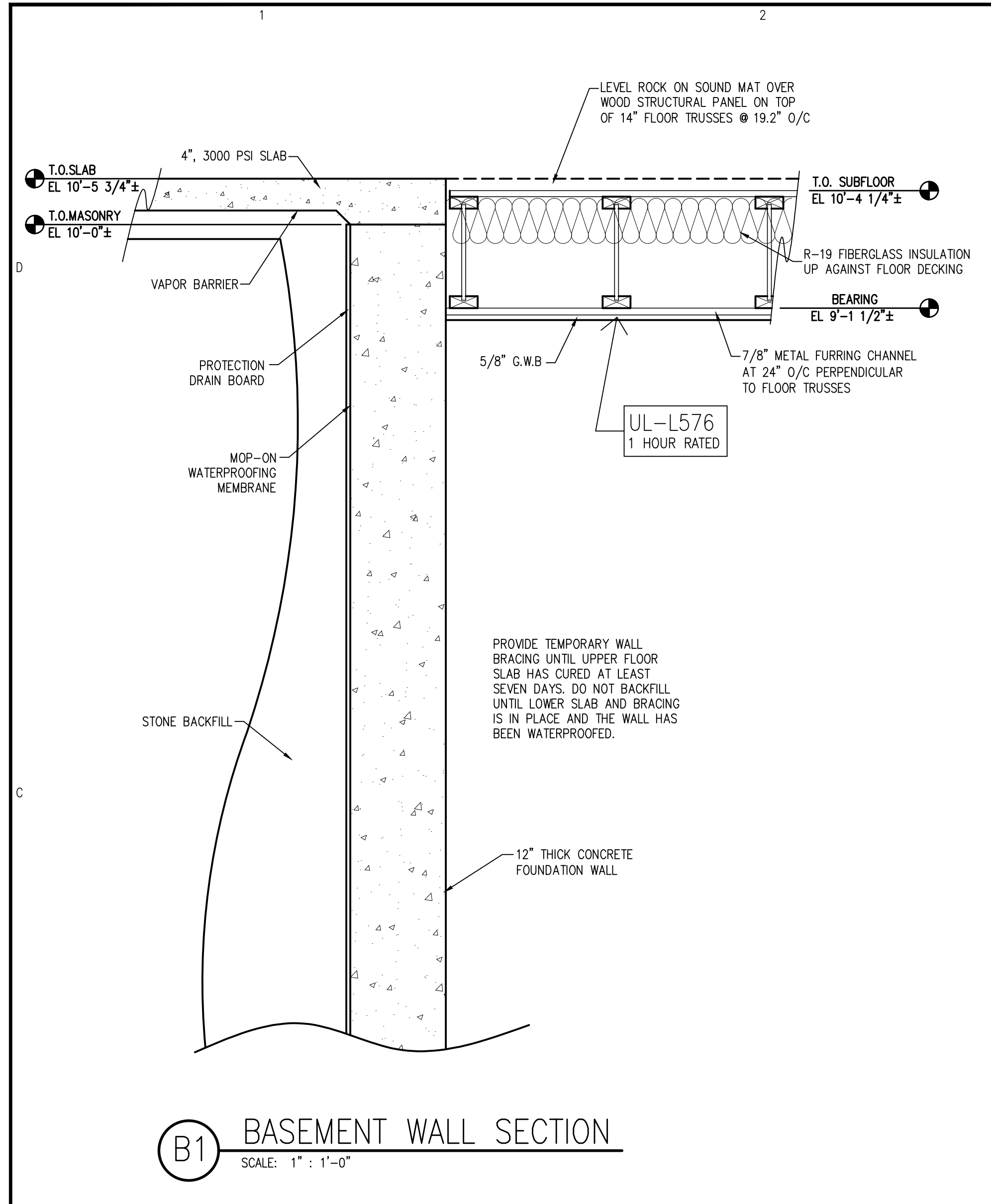
NO.	DATE	DESCRIPTION	BY	CHK

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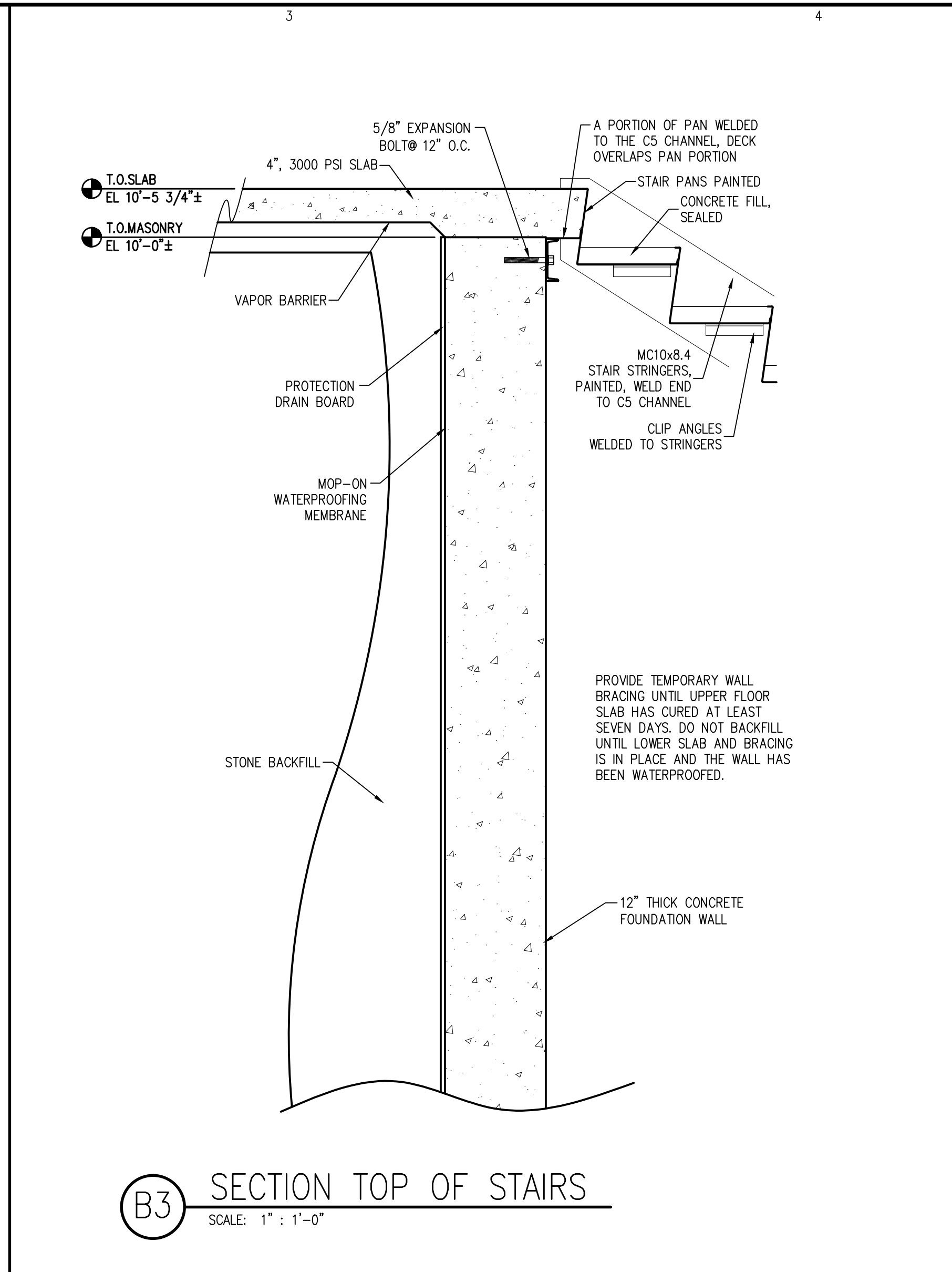
SHEET TITLE:
WALL SECTIONS

A-301
SHEET 6 OF 8

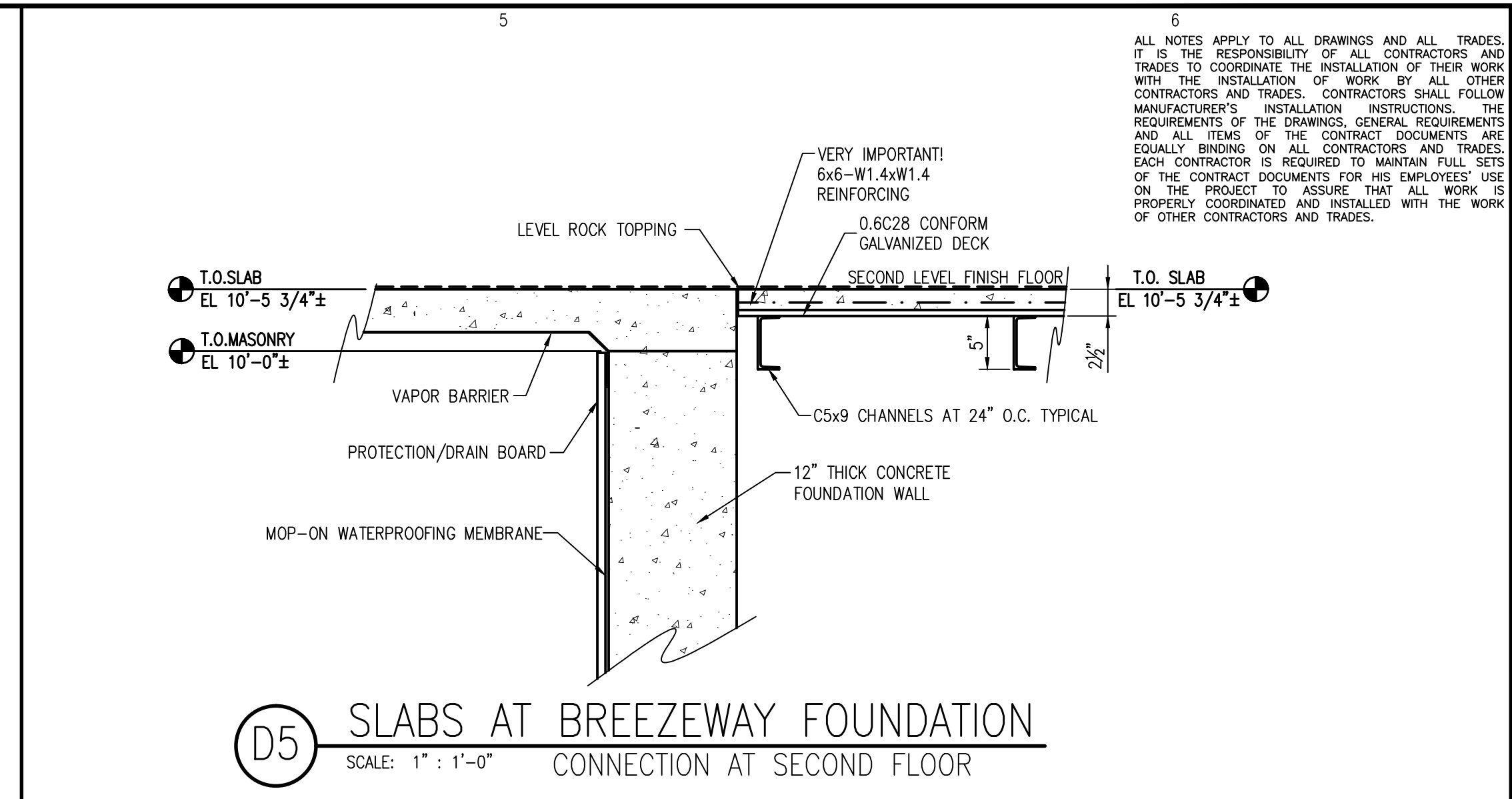
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B1 BASEMENT WALL SECTION
SCALE: 1" : 1'-0"



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

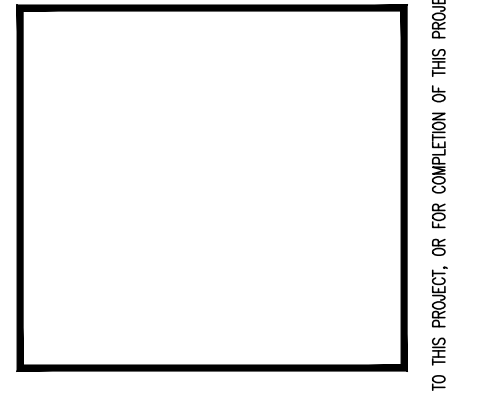
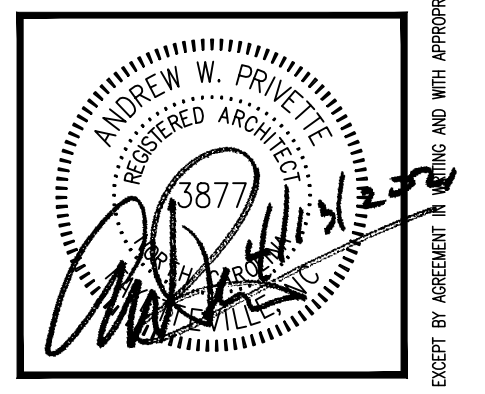


D5 SLABS AT BREEZEWAY FOUNDATION
CONNECTION AT SECOND FLOOR
SCALE: 1" : 1'-0"

6
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A Smarter Approach

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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

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

JOB CODE: Z0FAIRWAY-10
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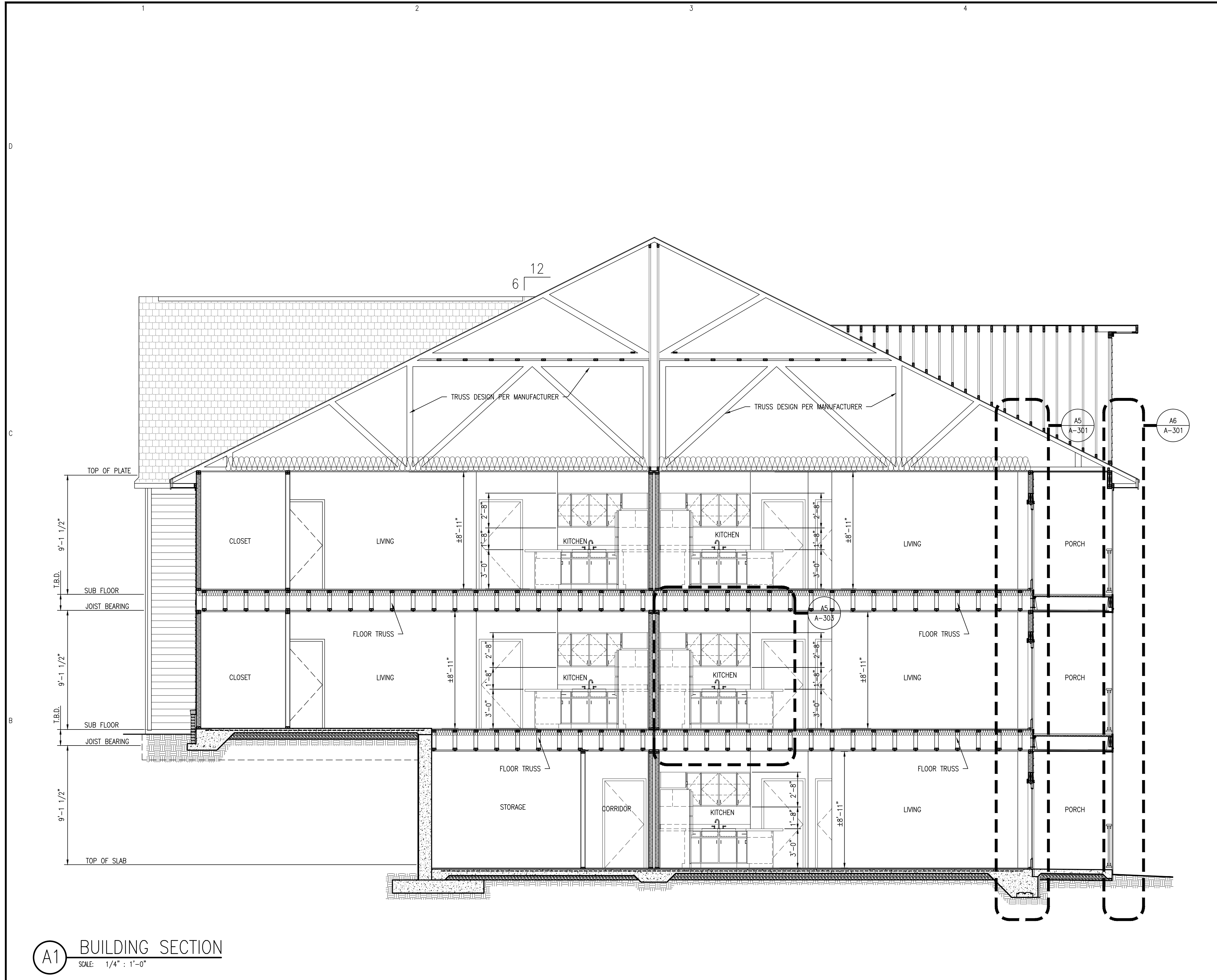
SHEET TITLE:
FOUNDATION SECTIONS & DETAILS

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.

PERMITTING STAMP:

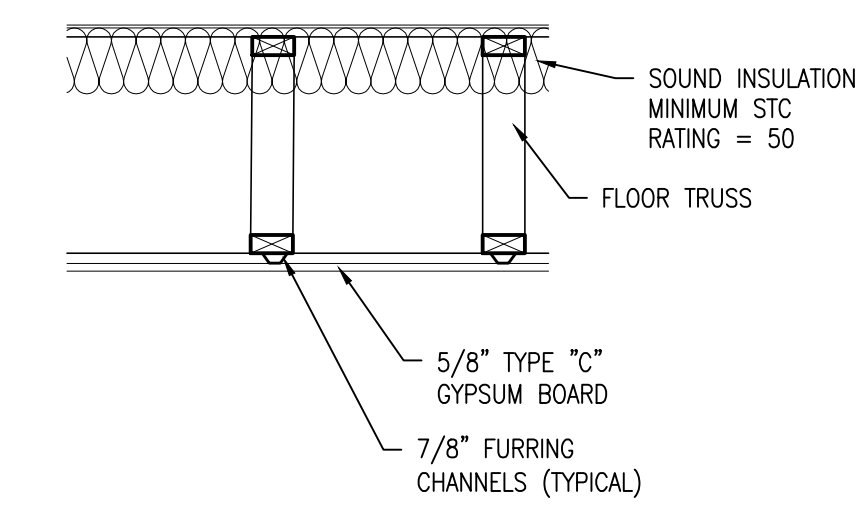
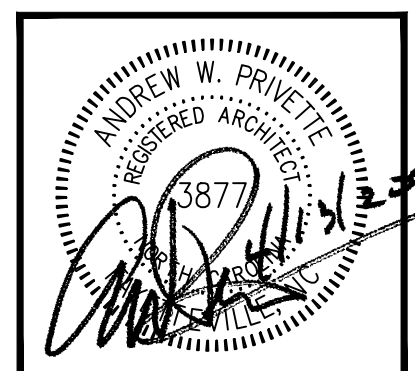


A1 BUILDING SECTION
SCALE: 1/4" : 1'-0"

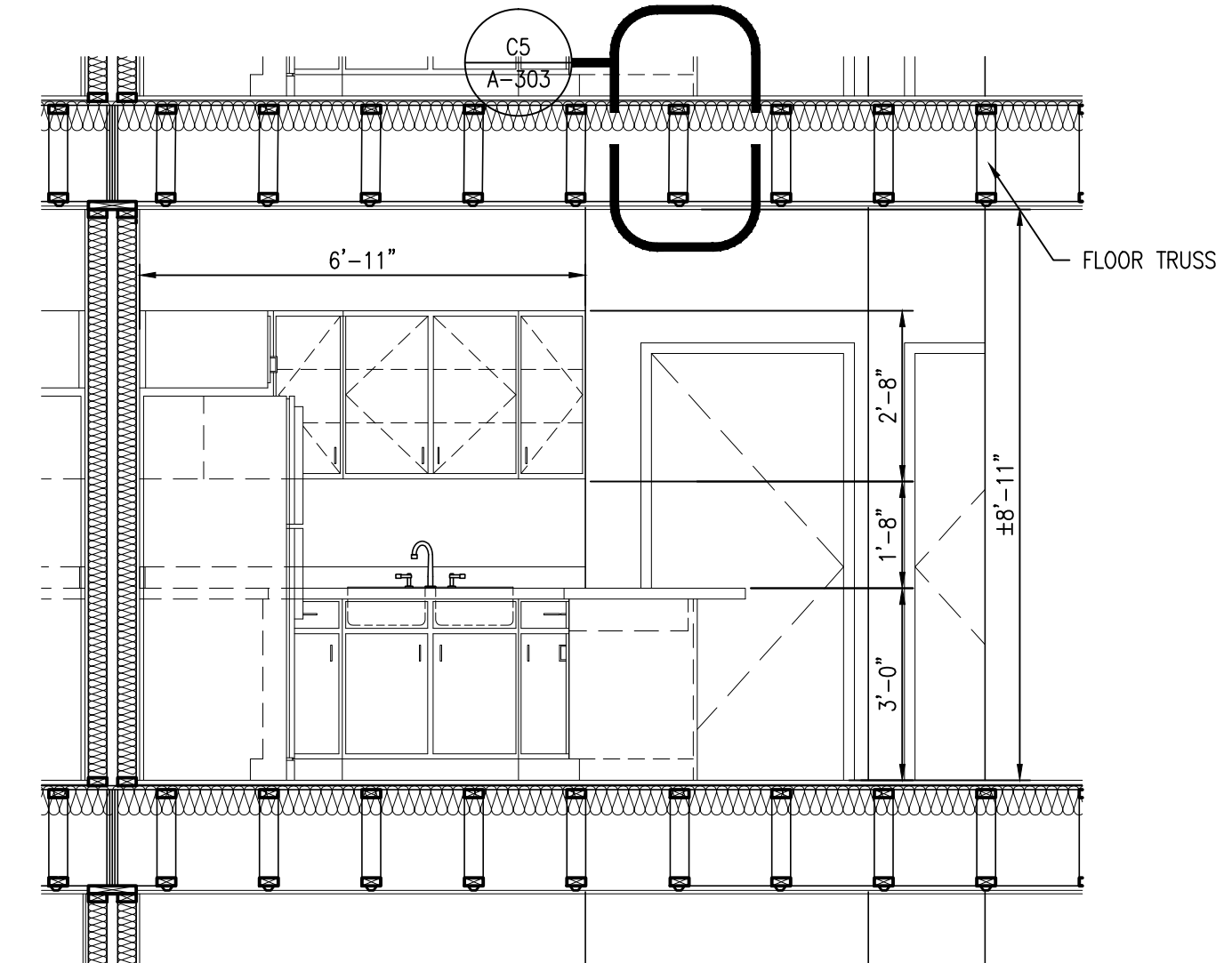
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C5 SECTION DETAIL
SCALE: 3/4" : 1'-0"



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 - CONSTRUCTION SET	AWP	

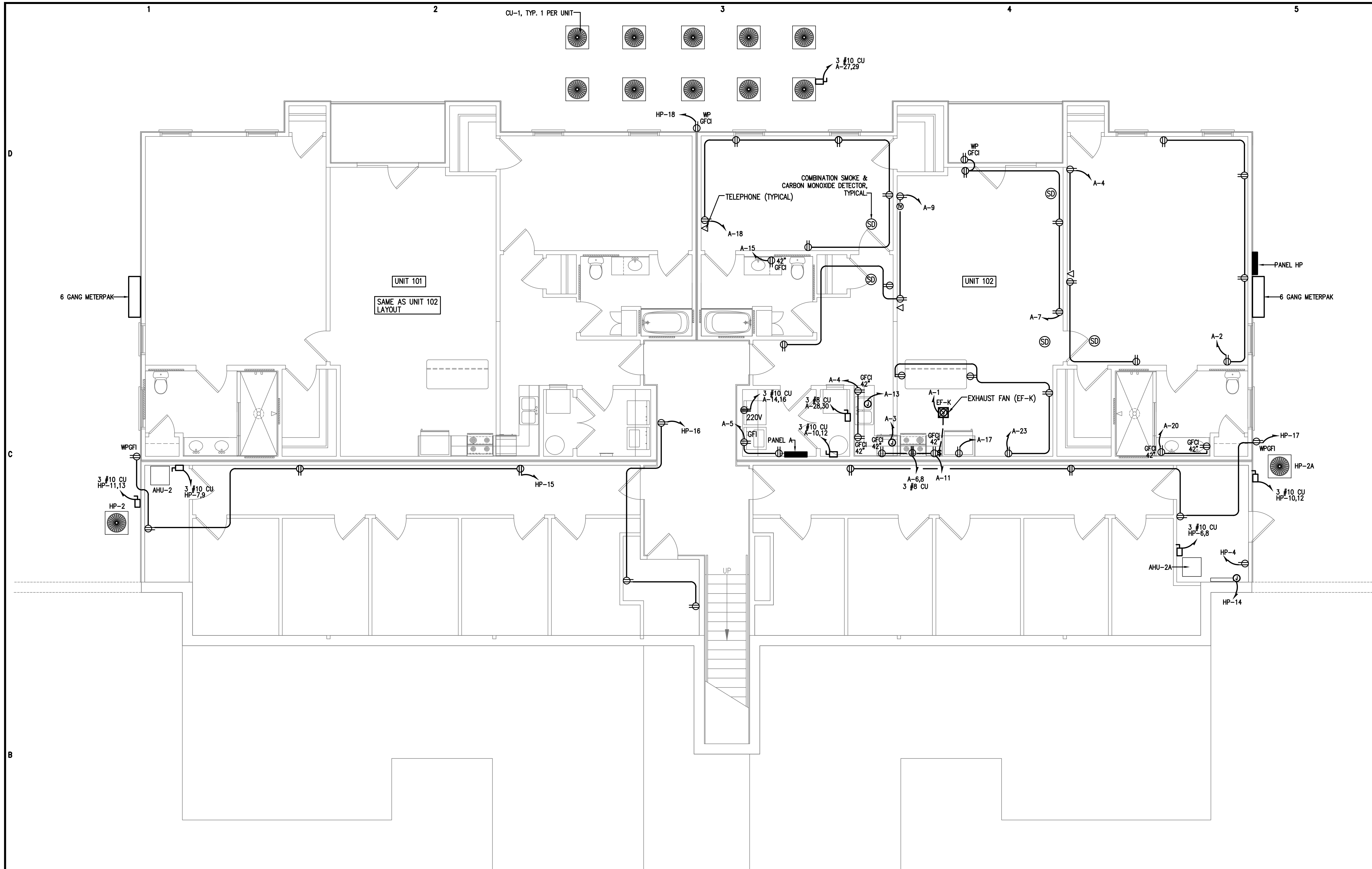
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SHEET TITLE:
**BUILDING SECTION
& SECTION DETAILS**

A-303
SHEET 8 OF 8

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 andy@designtobuild.com

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

NO.	DESCRIPTION	DATE	CHK.

JOB CODE: 2021-076
 DRAWN BY: MJL
 CHECKED BY: CSL
 COPYRIGHT:
 DESIGNED TO BUILD

SHEET TITLE:
 POWER PLAN
 FIRST FLOOR

E1
 SHEET OF

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

1
E1 POWER PLAN-1ST FLOOR
 3/16"=1'-0"

NOTE:
 THIS RECEPTACLE LAYOUT IS INTENDED TO MEET THE SPACING REQUIREMENTS OF THE CURRENT NEC. COORDINATE WITH AHU FIELD PERSONNEL AT ROUGH-IN TO VERIFY

NOTE:
 (SD) DENOTES COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR. TYPICAL FOR ALL LOCATIONS AND UNITS.

Coastal Plains Engineering, P.A.
 295 LOCKLEAR RD
 P.O. Box 1117
 Pembroke, NC 28372
 Voice: 910-521-7213
 Fax: 910-521-7213
 www.coastalplainseng.com
 License No: C-2059



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

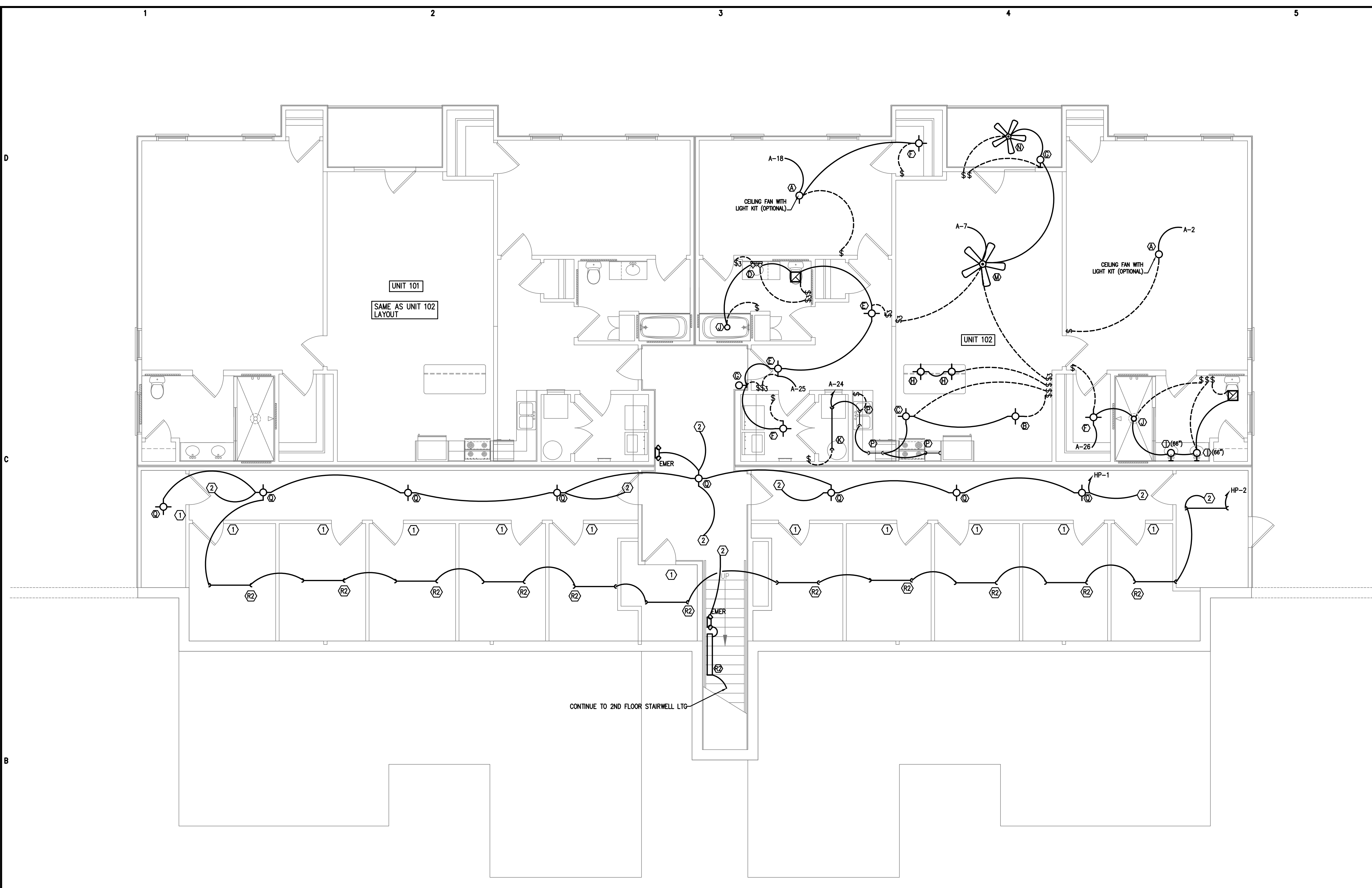
NO.	DATE	DESCRIPTION	CHK.

JOB CODE: 2021-076
 DRAWN BY: M.J.L.
 CHECKED BY: CSL
 COPYRIGHT:
 DESIGNED TO BUILD

SHEET TITLE:
 LIGHTING PLAN
 FIRST FLOOR

E2
 SHEET OF

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LIGHT FIXTURE SCHEDULE

A	Incandescent, 12" square x 5 1/2" high, Lamps - (2) 60W medium base, white glass, 120V; MODEL - PROGRESS No. P4961-30
B	Incandescent, 19 1/2" diameter x 12" high, 42" overall height with chain, Lamp - (1) 150W medium base, polished brass, Prescott Collection, satin etched glass pendant, 120V; MODEL - PROGRESS No. P5036-10
C	Incandescent, 19" diameter x 7 1/2" high, Lamps - (3) 75W medium base, satin etched glass, polished brass, 120V; Prescott Collection; MODEL - PROGRESS No. P3735-10
D	Wall Fixture, 15 1/2" W x 9" H x 8" from wall, Lamps - (2) 100W max. medium base, polished brass, Eaton Collection, 120V; MODEL PROGRESS No. P3362-10
E	Incandescent, 11" diameter x 5 1/2" high, Lamps - (2) 75W medium base, satin etched, fluted glass, polished brass, 120V; Prescott Collection; MODEL - PROGRESS No. P3418-10
F	Incandescent, 8 3/4" diameter x 5" high, Lamps - (2) 60W medium base, white glass, white canopy, MODEL - PROGRESS No. P3520-30
G	Incandescent, 4 3/8" diameter x 7" high, Lamps - (1) 60W medium base, white acrylic cylindrical diffuser, 120V, MODEL - PROGRESS No. P5817-31
H	Incandescent, 8 1/2" W x 7 3/4" high, 42" overall height with chain, Lamp - (1) 100W max. medium base, polished brass, white opal glass mini pendant, 120V; MODEL - PROGRESS No. P5088-10
I	Wall Fixture, 6 5/16" W x 9 3/4" H x 8 1/8" from wall, Lamp - (1) 100W max. medium base, polished brass, Eaton Collection, 120V; MODEL PROGRESS No. P3361-10
J	Incandescent, 6" diameter recessed, Lamp - (1) 60W flush prismatic, with plastic flange 6LP2 PF,120V; MODEL - LITHONIA No. LP6 CSA
K	Fluorescent, 4' long, "stepuff", 4 5/8" W x 4" D x 51" L, white acrylic lens, lamps - (2) 32W TB, 120V; MODEL - LITHONIA No. 11892.32W TB
L	Ceiling mounted, 11" diameter x 5 3/4" H, Lamps - (2) 60 W medium base, polished brass, Prescott Collection, 120V; MODEL - PROGRESS No. P3732-10
M	52" Ceiling fan with light kit as selected by owner
N	42" Exterior Ceiling fan as selected by owner.
P	Fluorescent, 18" Long Undercabinet, milk white shatter resistant diffuser, lamp - (1) 17W TB, 120V; MODEL - LITHONIA No. 2UC 10 AR 120 HFP
Q	Ceiling mounted metal halide, Lamp - 100W MHOPK, MODEL - ATLAS No. VN12
R	Step Light, Fluorescent, white louver, Lamp - (1) 13W twin tube, 120V; MODEL - LITHONIA No. SL1F-130TT
R2	LITHONIA C 2 32 120 GEB10S CASR
EMER	LITHONIA 6ELM2
EXIT	LITHONIA LES SERIES
EMER-EXIT	LITHONIA LHOM S W 1 R 120/277 ELA NX H0606

- 2** KEYED NOTES
 N.T.S.
- ① PROVIDE A LEVITON OR EQUAL WALL MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING IN THIS AREA
 - ② PROVIDE A LEVITON OCCOS-11W (3 WAY MODEL) OR EQUAL CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING IN THIS AREA

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

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

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PERMITTING STAMP:

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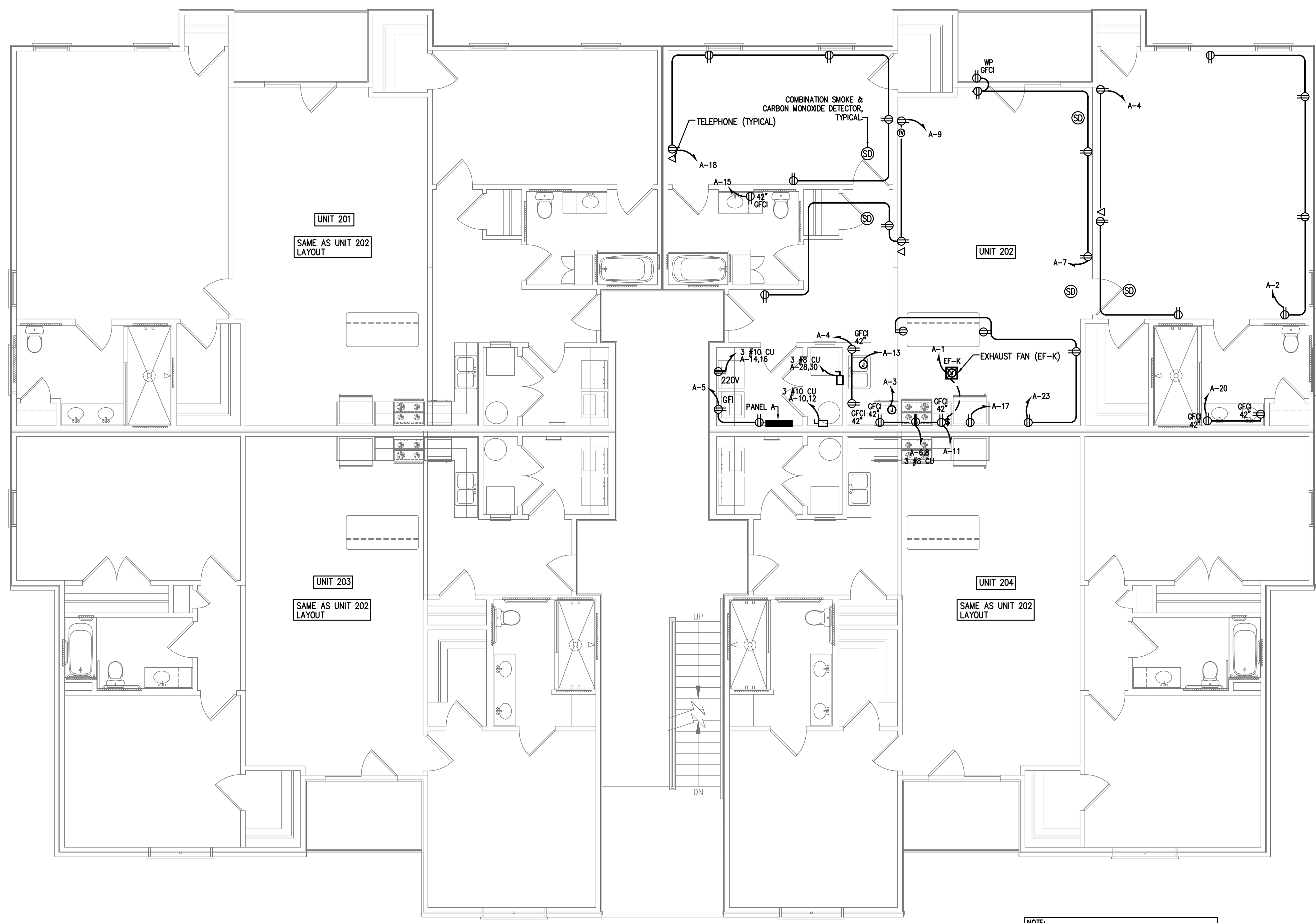
FAIRWAY POINTE at ANDERSON CREEK CLUB
 THREE-STORY, TEN-UNIT BUILDING
 GALLERY DRIVE, BUILDING _____
 SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHK.

JOB CODE: 2021-076
 DRAWN BY: MJL
 CHECKED BY: CSL
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SHEET TITLE:
 POWER PLAN
 SECOND FLOOR

E3
 SHEET OF



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

NOTE:
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1 POWER PLAN-2ND FLOOR
 E3 3/16"=1'-0"

NOTE:
 (SD) DENOTES COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR, TYPICAL FOR ALL LOCATIONS AND UNITS.

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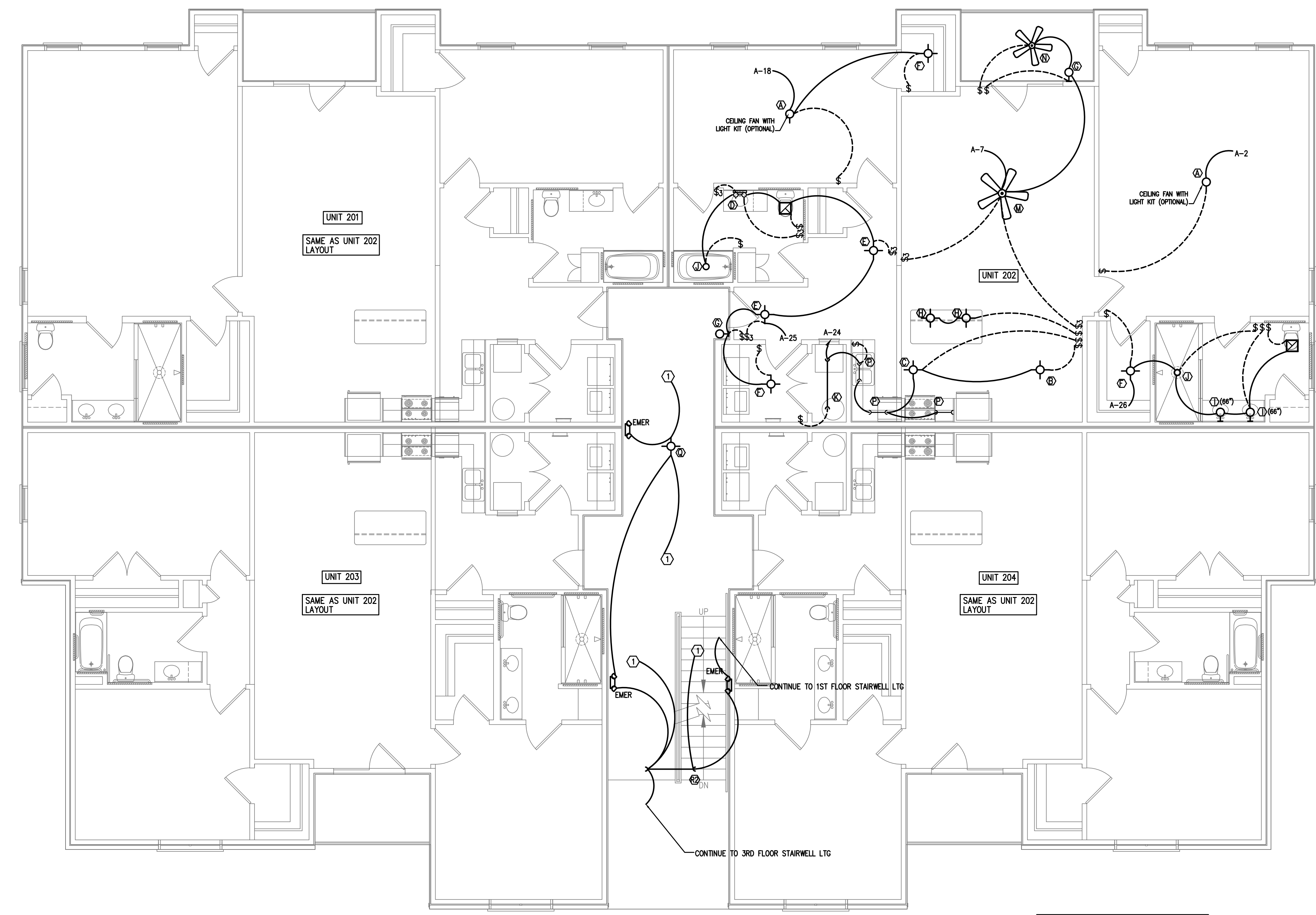
FAIRWAY POINTE at ANDERSON CREEK CLUB
THREE-STORY, TEN-UNIT BUILDING
GALLERY DRIVE, BUILDING _____
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHK

JOB CODE: 2021-076
DRAWN BY: M.J.L.
CHECKED BY: CSL
COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:
LIGHTING PLAN
SECOND FLOOR

E4
SHEET OF



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

2
E4
KEYED NOTES
N.T.S.

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

1
E4
LIGHTING PLAN-2ND FLOOR
3/16"=1'-0"

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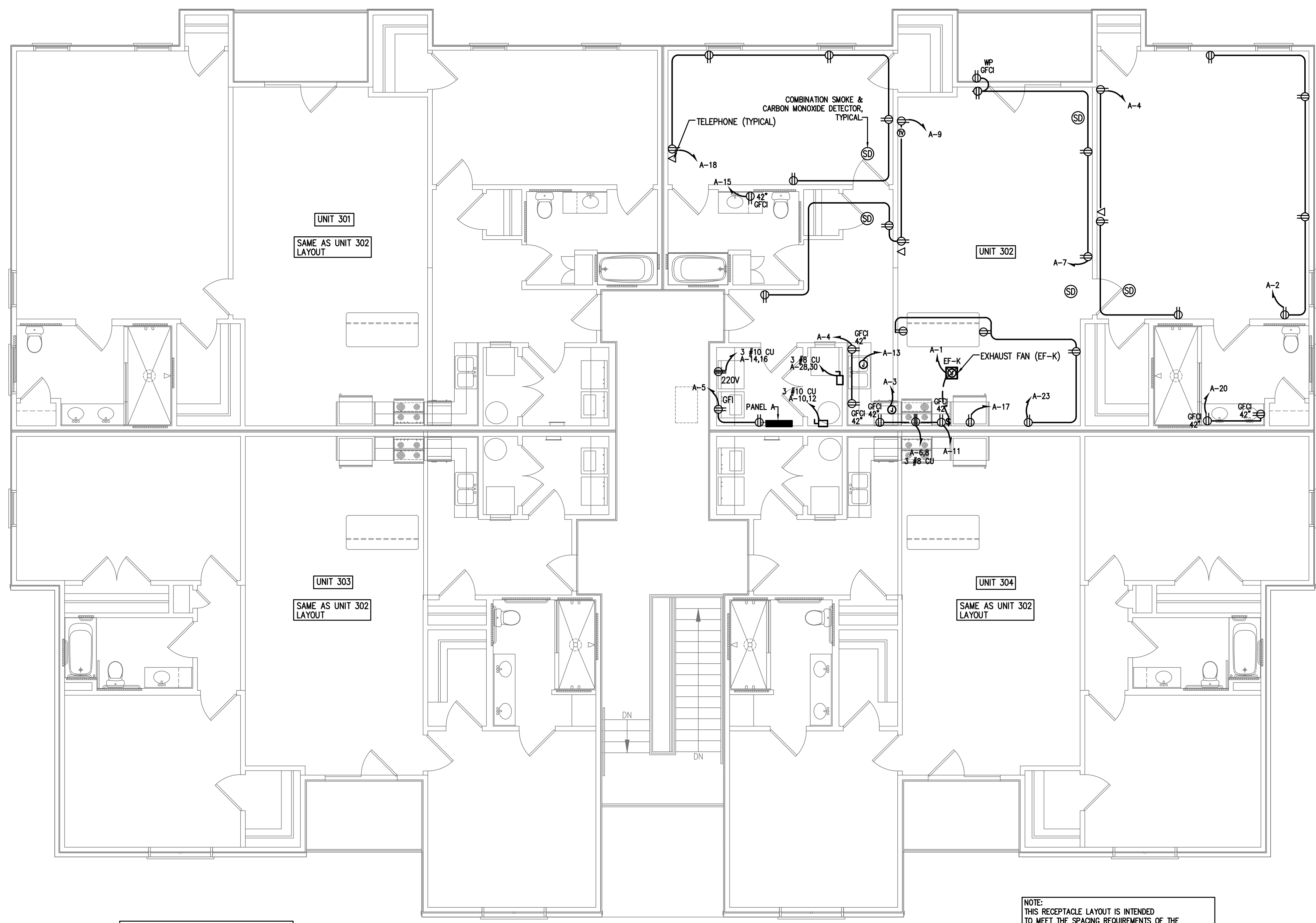
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THREE-STORY, TEN-UNIT BUILDING
GALLERY DRIVE, BUILDING _____
SPRING LAKE, NORTH CAROLINA 28390

NO.	DATE	DESCRIPTION	CHK.

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SHEET TITLE:
POWER PLAN
THIRD FLOOR

E5
SHEET OF



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1 POWER PLAN-3RD FLOOR
E5 3/16"=1'-0"

NOTE:
SD DENOTES COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR. TYPICAL FOR ALL LOCATIONS AND UNITS.

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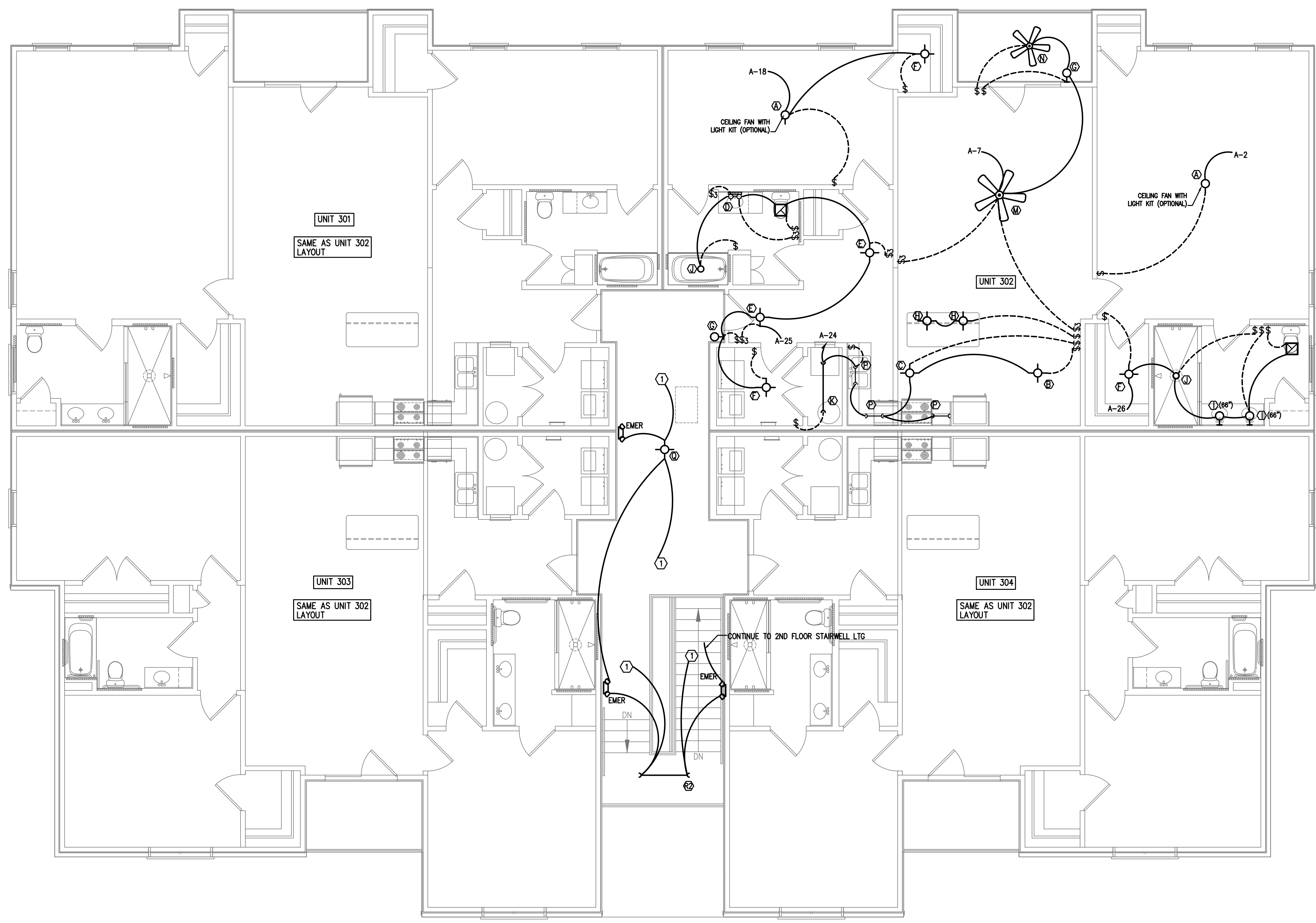
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THREE-STORY, TEN-UNIT BUILDING
GALLERY DRIVE, BUILDING ___
SPRING LAKE, NORTH CAROLINA 28390

MARK	DATE	DESCRIPTION	CHK

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SHEET TITLE:
LIGHTING PLAN
THIRD FLOOR

E6
SHEET OF



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

2 KEYED NOTES
E6 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 LIGHTING PLAN-3RD FLOOR
E6 3/16"=1'-0"

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Apr 27, 2021

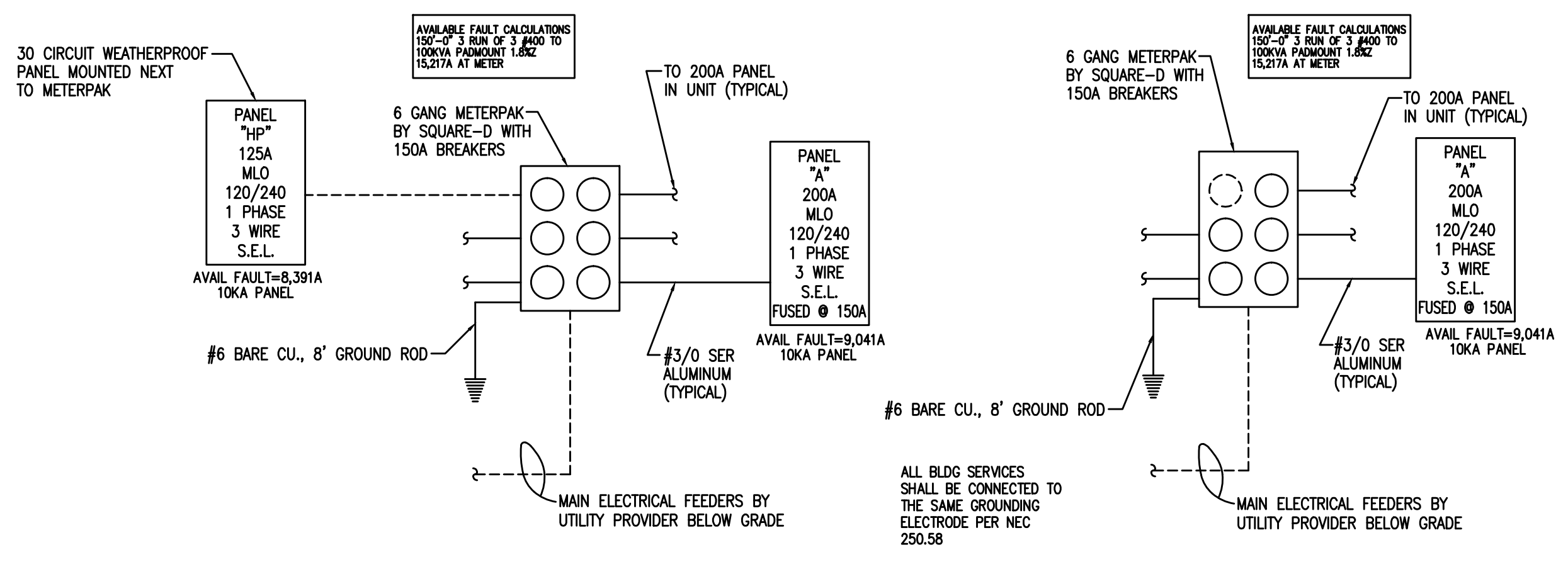


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PANEL "A"					PHASE 1 WIRE 3 VOLTS 120/240 MAIN 200A MLO						
U.L. SERVICE ENTRANCE LABEL					TYPE NQ00 MOUNTING RECESSED ENCLOSURE NEMA 1						
SHORT CKT. RATING 10,000 RMS SYM.					SHORT CKT. RATING 10,000 RMS SYM.						
<input checked="" type="checkbox"/> GROUND TERMINAL BAR					<input checked="" type="checkbox"/> NEUTRAL TERMINAL BAR						
PHASE	LOADING	DESCRIPTION	CKT. NO.	CKT. NO.	A	B	CKT. NO.	CKT. NO.	DESCRIPTION	PHASE	
A	B				A	B	A	B		A	
-	-	EXHAUST HOOD/EF-K	20/1	1			2	20/1	REC & LTS - MASTER BEDROOM	-	
-	-	JB - DISHWASHER	20/1	3			4	20/1	REC - KITCHEN	-	
-	-	LAUNDRY RECEP.	20/1	5			6	50/2	RANGE	-	
-	-	REC & LTS - LIVING ROOM	20/1	7			8	-	-	-	
-	-	REC - LIVING ROOM & ENTRY	20/1	9			10	30/2	WATER HEATER	-	
-	-	REC - KITCHEN	20/1	11			12	-	-	-	
-	-	GARBAGE DISPOSER	20/1	13			14	30/2	DRYER	-	
-	-	REC - BATHROOM	20/1	15			16	-	-	-	
-	-	REFRIGERATOR	20/1	17			18	20/1	REC & LTS - BEDROOM	-	
-	-	REC & LTS - BEDROOM 2	20/1	19			20	20/1	REC - MASTER BATH	-	
-	-	REC - GFI (WHIRLPOOL)	20/1	21			22	20/1	PHONE/CABLE BOX	-	
-	-	REC - DINING	20/1	23			24	20/1	LTS - LAUNDRY & KITCHEN	-	
-	-	LTS - ENTRY/BATHROOM	20/1	25			26	20/1	LTS - MASTER BATH	-	
-	-	HP-1	25/2	27			28	45/2	AHU-1	-	
-	-			29			30	-	-	-	
-	-			31			32	-	-	-	
-	-			33			34	-	-	-	
-	-			35			36	-	-	-	
-	-			37			38	-	-	-	
-	-			39			40	-	-	-	
-	-			41			42	-	-	-	
				SUB-TOTAL (VA)				SUB-TOTAL (VA)			
TOTAL CONNECTED LOAD = _____ AMPS = _____					TOTAL OF 42 SPACES						

apartment load calc's
 other loads heating load
 5016 va ltg/recept 14,160
 4500 va kl/laundry
 8000 va wh
 5000 dryer
 1200 va dh
 1200 va disposal
 28,416 va total other loads
 optional calc
 10,000 va + (4 x 19416)
 17766 + (1.0 x 14160) = 31,926 va
 31,926 / 240 = 133 A



1 ELEC. RISER DIAGRAM
N.T.S.

PANEL "HP"					PHASE 1 WIRE 3 VOLTS 120/240 MAIN 125A MLO						
U.L. SERVICE ENTRANCE LABEL					TYPE NQ00 MOUNTING RECESSED ENCLOSURE NEMA 1						
SHORT CKT. RATING 10,000 RMS SYM.					SHORT CKT. RATING 10,000 RMS SYM.						
<input checked="" type="checkbox"/> GROUND TERMINAL BAR					<input checked="" type="checkbox"/> NEUTRAL TERMINAL BAR						
PHASE	LOADING	DESCRIPTION	CKT. NO.	CKT. NO.	A	B	CKT. NO.	CKT. NO.	DESCRIPTION	PHASE	
A	B				A	B	A	B		A	
900	-	LTS - 1ST FLOOR COMMON	20/1	1			2	20/1	LTS - 1ST FLOOR STORAGE	904	
-	392	LTS - STAIRWELL/2ND FLR/3RD FLR	20/1	3			4	20/1	FACU	180	
100	-	SPRINKLER RM	20/1	5			6	20/2	AHU-2A	2880	
-	2880	AHU-2	25/2	7			8	-	-	2880	
2880	-	HP-2	-	9			10	20/2	HP-2A	1440	
-	1440	HP-2	25/2	11			12	-	-	1440	
1440	-	STORAGE RECEP'TS	20/1	15			14	20/1	WALL HEATER	1500	
-	720	STORAGE RECEP'TS	20/1	17			16	20/1	CORRIDOR RECEP'TS	540	
720	-	STORAGE RECEP'TS	20/1	19			18	20/1	EXTERIOR RECEP.T.	180	
-	-		20/1	21			20	20/1	-	-	
-	-		20/1	23			22	20/1	-	-	
-	-		20/1	25			24	20/1	-	-	
-	-		20/1	27			26	20/1	-	-	
-	-		20/1	29			28	20/1	-	-	
-	-		20/1	29			30	20/1	-	-	
				SUB-TOTAL (VA)				SUB-TOTAL (VA)			
TOTAL CONNECTED LOAD = 23416 AMPS = 96					TOTAL OF 30 SPACES						

ELECTRICAL SYMBOL LIST			
○	LIGHT FIXTURE INCANDESCENT OR H.I.D.	⊗	EXIT LIGHT FIXTURE
⊙	LIGHT FIXTURE WALL MOUNTED	NL	NIGHT LIGHT
□	FLUORESCENT LIGHT FIXTURE	EL	EMERGENCY LIGHT W/ 90 MIN. BATTERY
⊕	DUPLEX RECEPTACLE (+18")	GFI	GFI TYPE RECEPTACLE
⊗	ISOLATED GROUND TYPE D.R.	D.R.	DUPLEX RECEPTACLE
(+0")	CENTERLINE HEIGHT OF DEVICE BOX ABOVE FINISH FLOOR		
S	SINGLE POLE SWITCH (+42")	SW.	SW. WITH PILOT LIGHT
S ₃	3-WAY SWITCH (+42")	SW ₃	3-WAY SW. W/ PILOT LIGHT(+42")
S ₄	4-WAY SWITCH (+42")	SP	SPECIAL PURPOSE OUTLET
S _K	KEYED SINGLE POLE SWITCH (+42")	3W	KEYED THREE-WAY SWITCH
N/F	N/F DISCONNECT SWITCH	FD	FUSED DISCONNECT SWITCH
RT	RAINTIGHT (NEMA 3R)	(60/50/3)	AMP SIZE/FUSE SIZE/POLES
ST	STARTER	Q	DUPLEX RECEPT. FLOOR MTD.
M	MOTOR SYMBOL	MS	MANUAL STARTER SWITCH W/ PILOT LIGHT
RLY	RELAY	□	DIMMER SWITCH
PS	PUSHBUTTON OR CONTROL STATION	☐	PHOTOCONTROL
TEL	TELEPHONE O.B. (3/4" C. TO CEILING SPACE)	JB	JUNCTION BOX (J.B.)
DATA	DATA O.B. (3/4" C. TO CEILING SPACE)	O.B.	OUTLET BOX
TEL & DATA	TELEPHONE & DATA O.B. (3/4" C. TO CEILING SPACE)	CP	CHILD-PROOF
PLAN	PLAN NOTE SYMBOL WP WEATHERPROOF A.F.F. ABOVE FINISH FLR.		
C/B	CIRCUIT BREAKER CKT. CIRCUIT C. CONDUIT		
---	CONCEALED CONDUIT (#12 AWG AND APPROVED GROUND MINIMUM - TYPICAL)		
- - -	CONDUIT BELOW FLOOR OR GRADE	- - - -	CONDUIT EXPOSED
HOMERUN	NUMBER OF WIRES, PANEL DESIGNATION, CIRCUIT NUMBERS		
CB	BRANCH CIRCUIT PANELBOARD	MDP	MAIN DISTRIBUTION PANEL
⊕	QUAD RECEPTACLE	◇	CATV OUTLET
⊙	ALARM OUTLET BOX (3/4" CONDUIT TO CEILING SPACE)		

2 ELECTRICAL NOTES
N.T.S.

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

NO.	REVISION/DESCRIPTION	DATE

JOB CODE: 2021-076
 DRAWN BY: MJL
 CHECKED BY: CSL
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SHEET TITLE:
 ELECTRICAL NOTES & DETAILS








SHEET OF
 E7

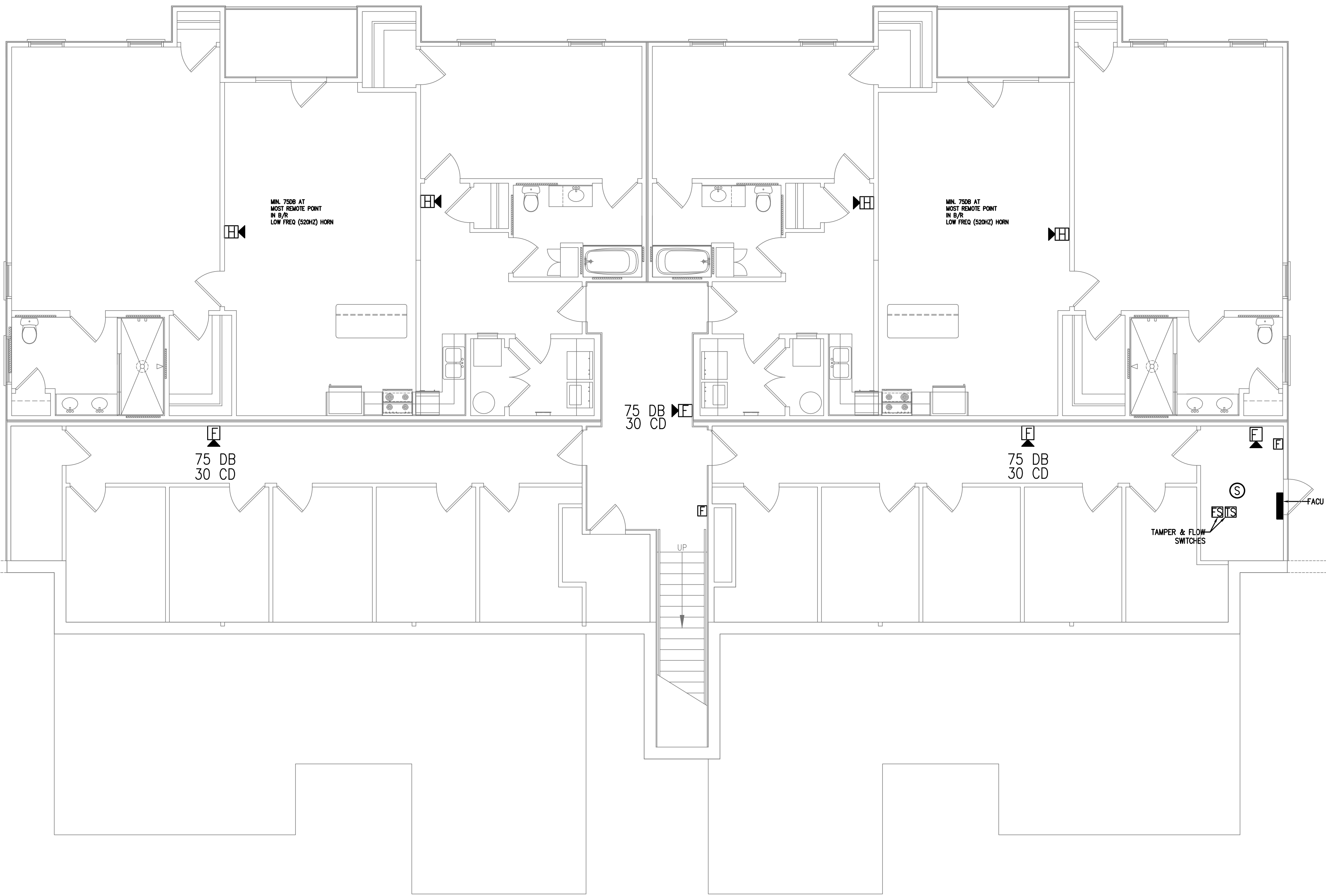
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FIRE ALARM LEGEND

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



1 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.

JOB CODE: 2021-076
 DRAWN BY: MJL
 CHECKED BY: CSL
 COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE:
 FIRE ALARM PLAN
 FIRST FLOOR

FA1
 SHEET OF

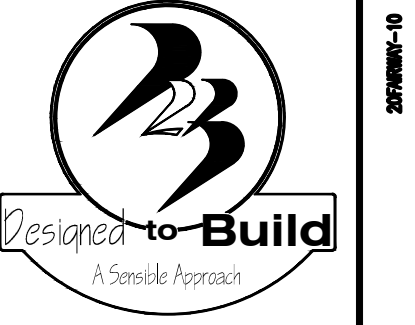
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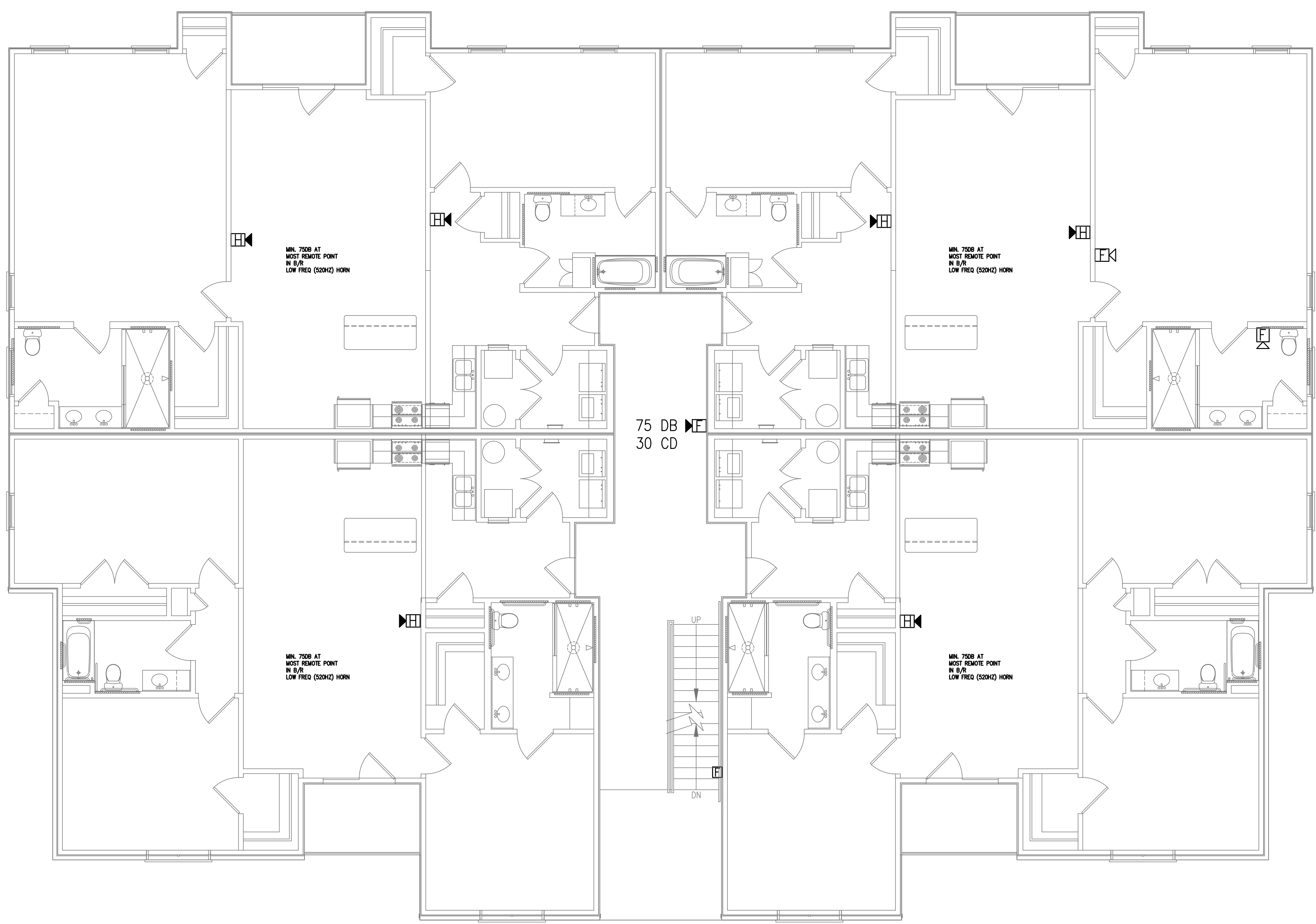
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 1920 FT. BRAGG ROAD
 FAYETTEVILLE,
 NORTH CAROLINA 28303
 TELE. (910) 485-8567
 andy@designedtobuild.com

FIRE ALARM LEGEND

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

MARK	DATE	DESCRIPTION	CHK

JOB CODE: 2021-076
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SHEET TITLE:
 FIRE ALARM PLAN
 SECOND FLOOR

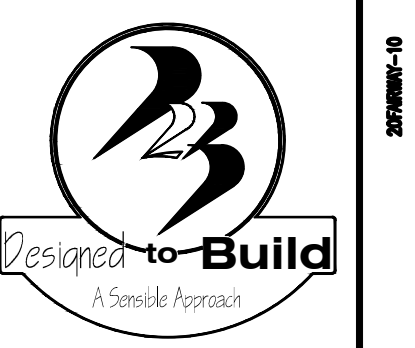
FA2
 SHEET OF

Coastal Plains Engineering, P.A.
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 Fax: 910-521-7213
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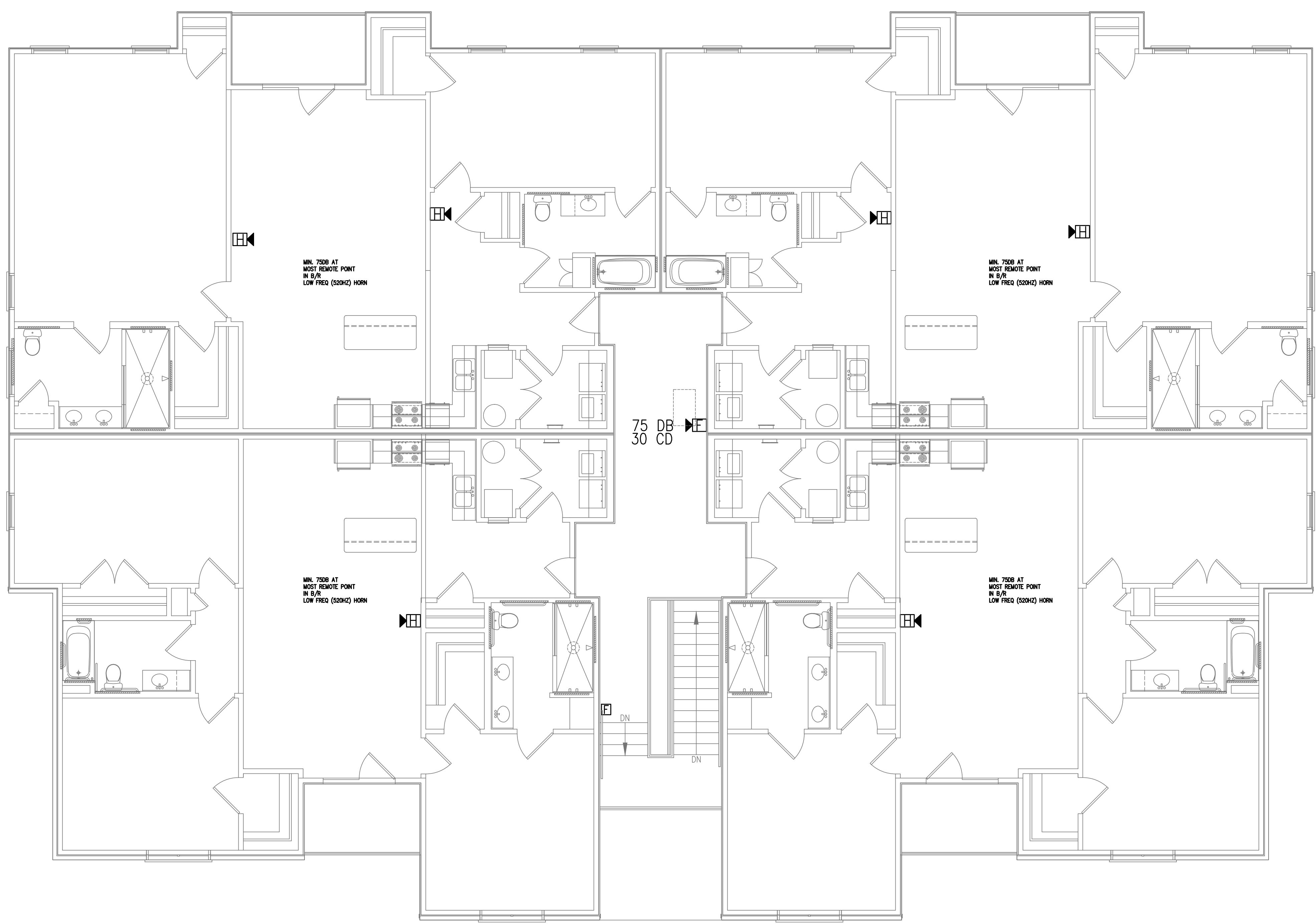
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SHEET TITLE:
 FIRE ALARM PLAN
 THIRD FLOOR

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"

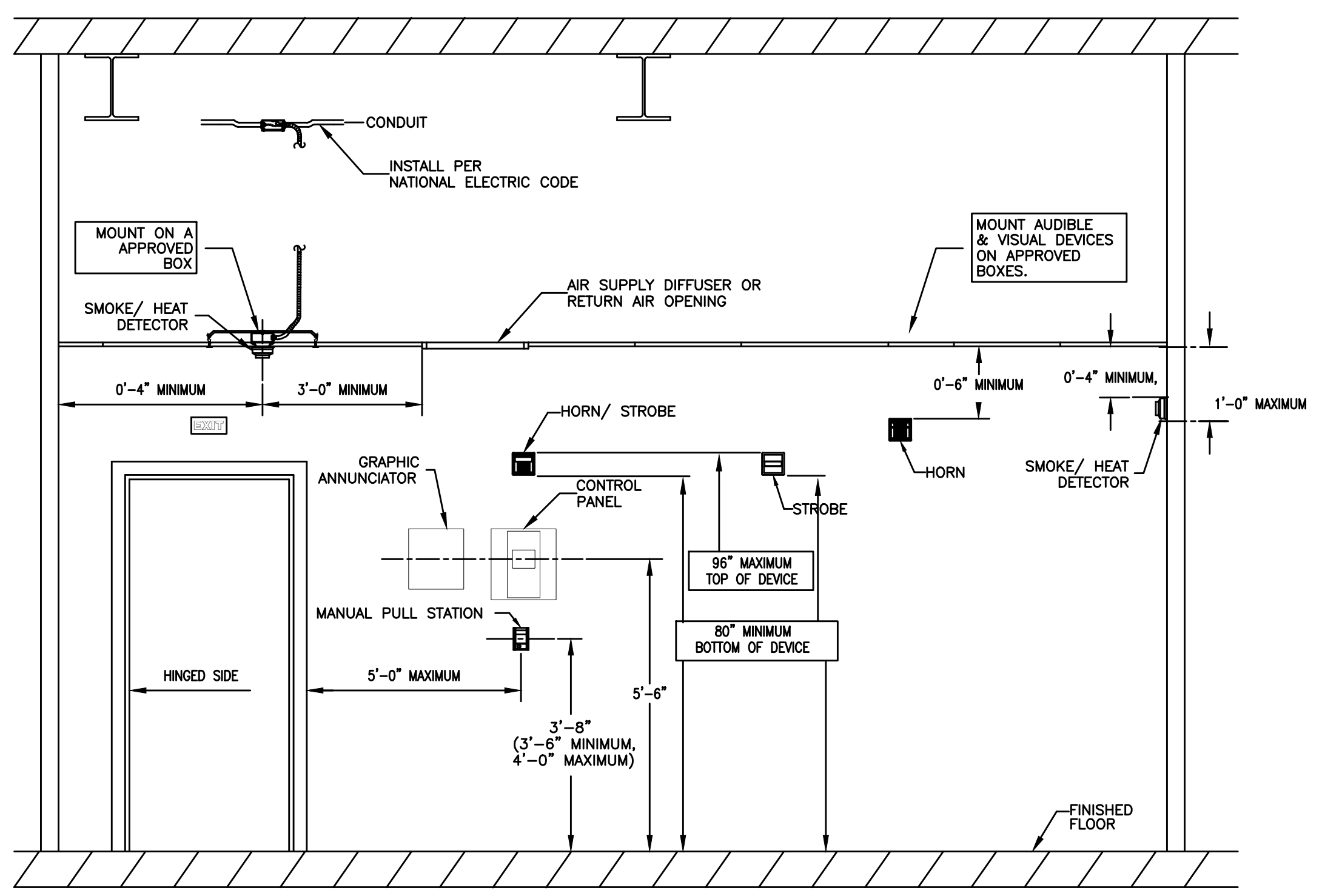
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NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS

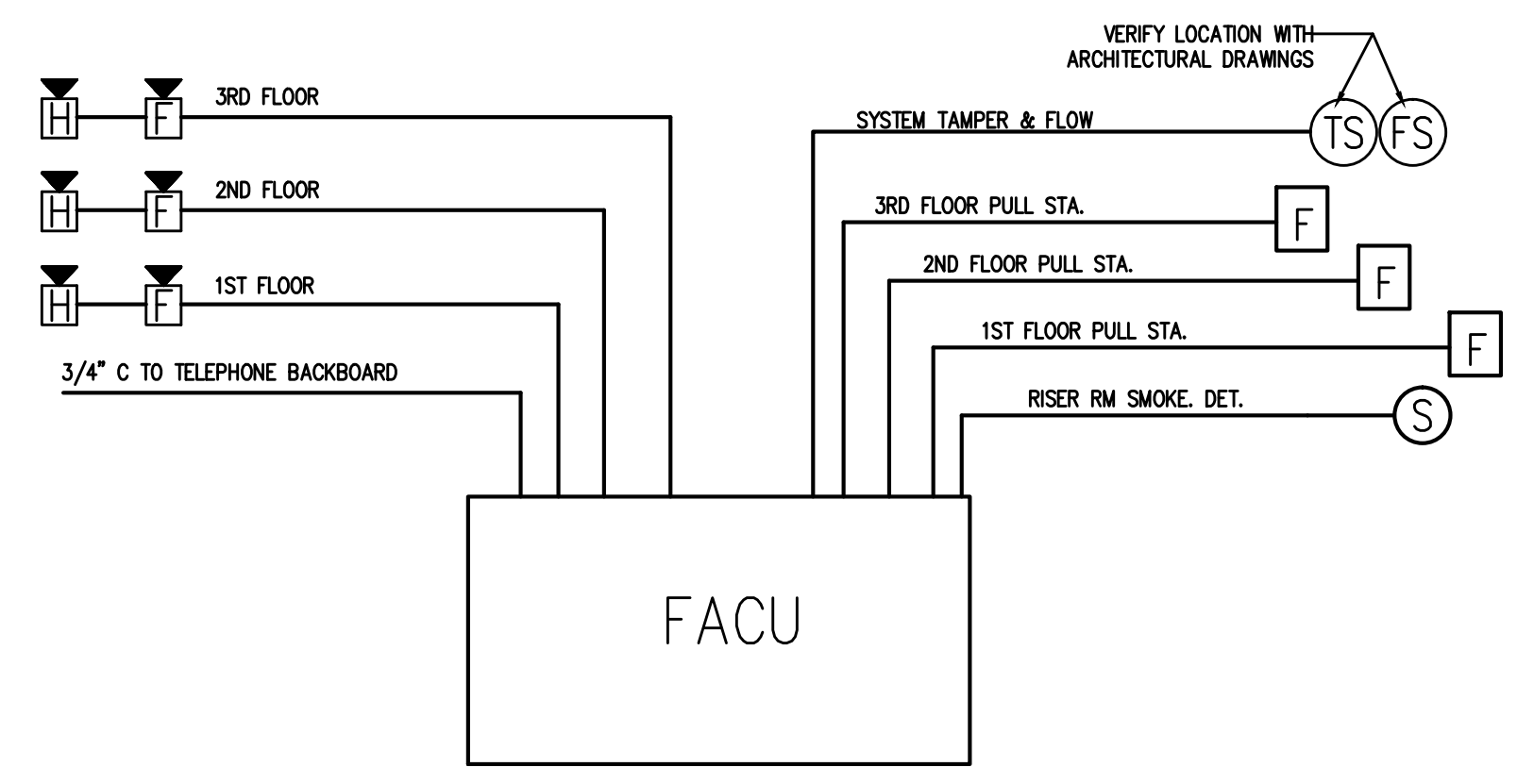
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FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

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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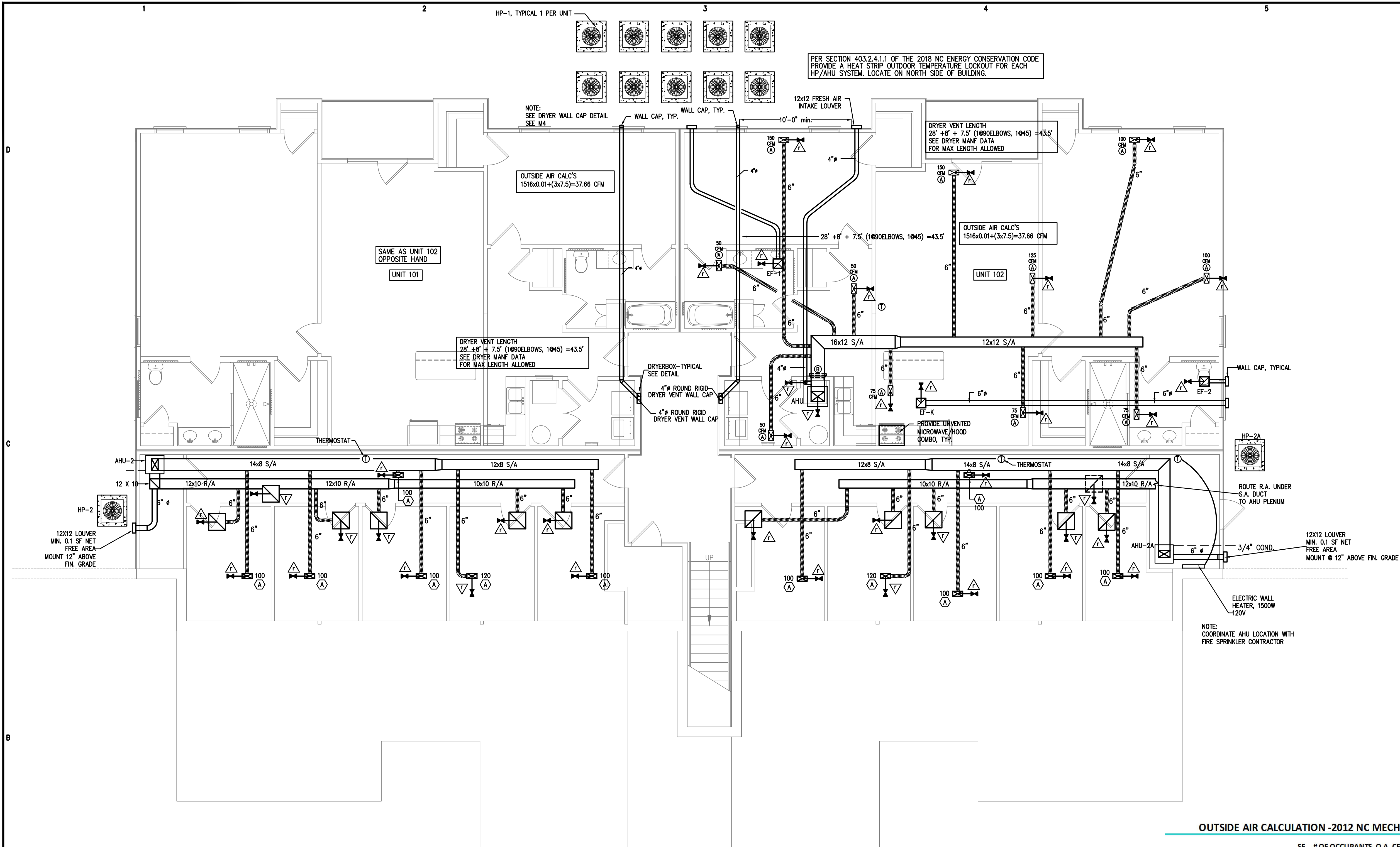
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FIRE ALARM DETAILS

FA4
SHEET OF

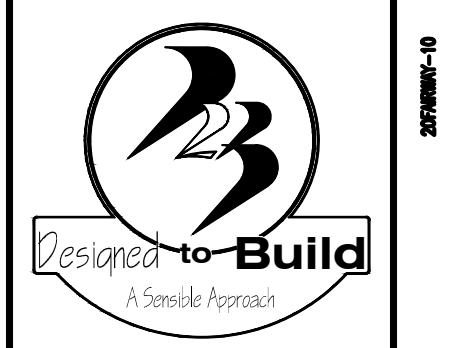
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SPRING LAKE, NORTH CAROLINA 28390

1 HVAC PLAN-1ST FLOOR
M1 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 CE CTD3EASKWW 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
			PERSON (Rp)	SqFt (Ra)			
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	FLA			MCA	MOCP
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 COMPR.	FAN AMPS	NO. OF FANS	UNIT VOLT	UNIT PHASE	MOCP	MCA	WIRE SIZE (DU. 75 °C)	CAPACITIES			MFG. & MODEL	REMARKS
										TOTAL COOLING	MIN. SEER	HEATING		
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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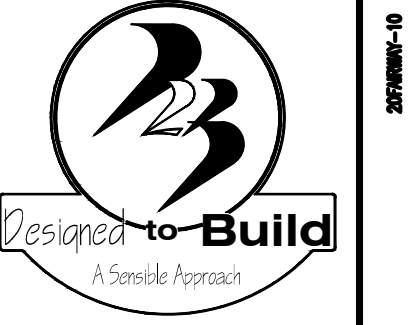
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SHEET TITLE:
HVAC PLAN
FIRST FLOOR

M1
SHEET OF

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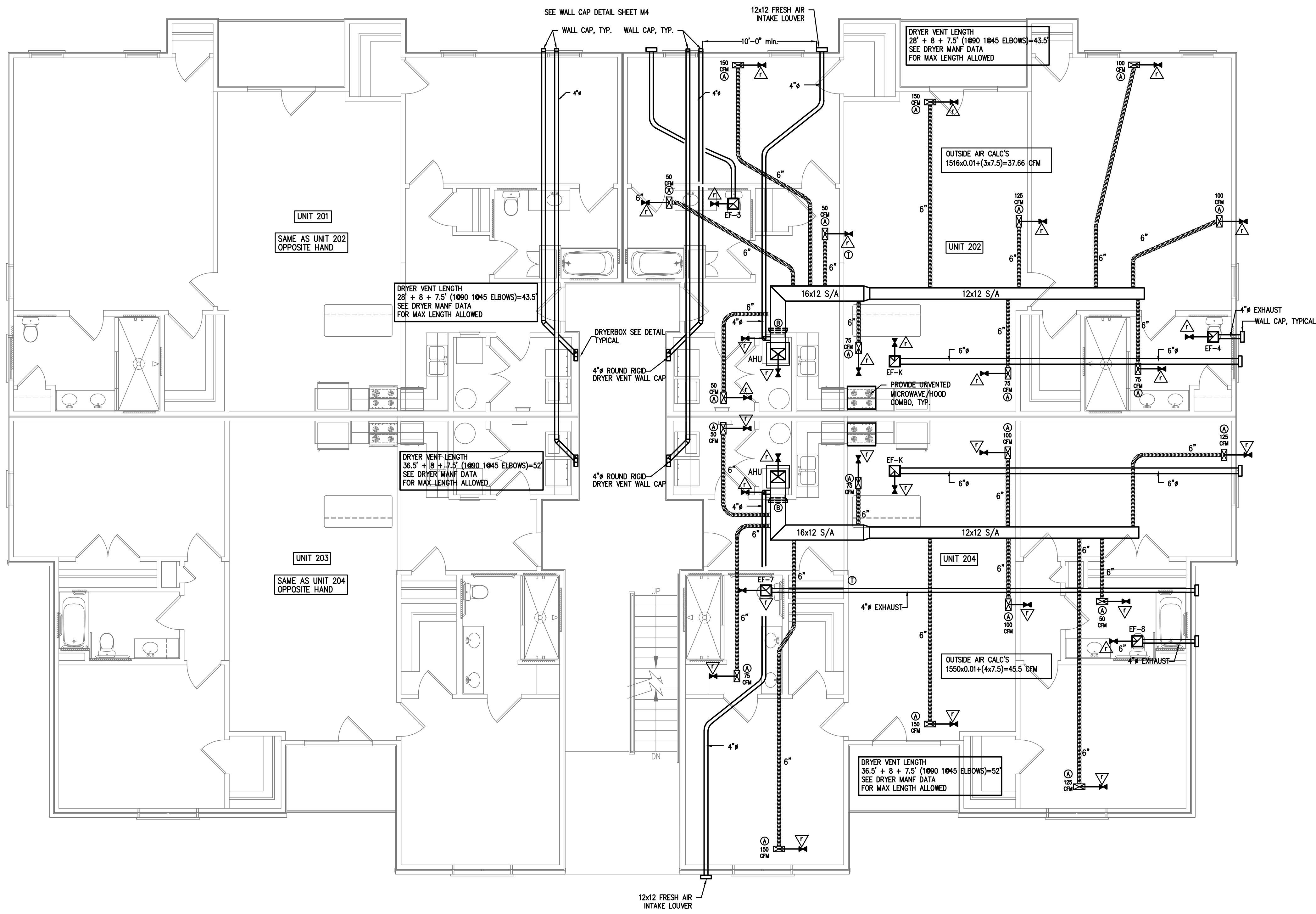
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 GALLERY DRIVE, BUILDING
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SHEET TITLE:
 HVAC PLAN
 SECOND FLOOR

M2
 SHEET OF



1 HVAC PLAN-2ND FLOOR
 M2 3/16"=1'-0"

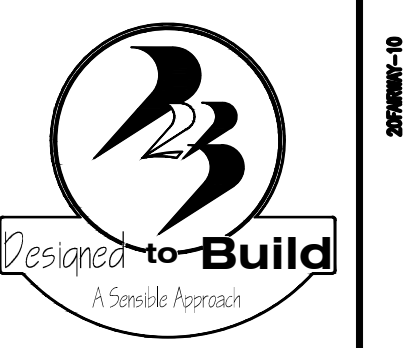
NOTE:
 DRYER SPEC
 DE 61033EASKWV OR EQ.
 PROVIDE PLAQUE INSTALLED IN LAUNDRY ROOM
 DRYER INSTALLED MUST ALLOW MIN 5' 4" DUCT WITH 2 ELBOWS

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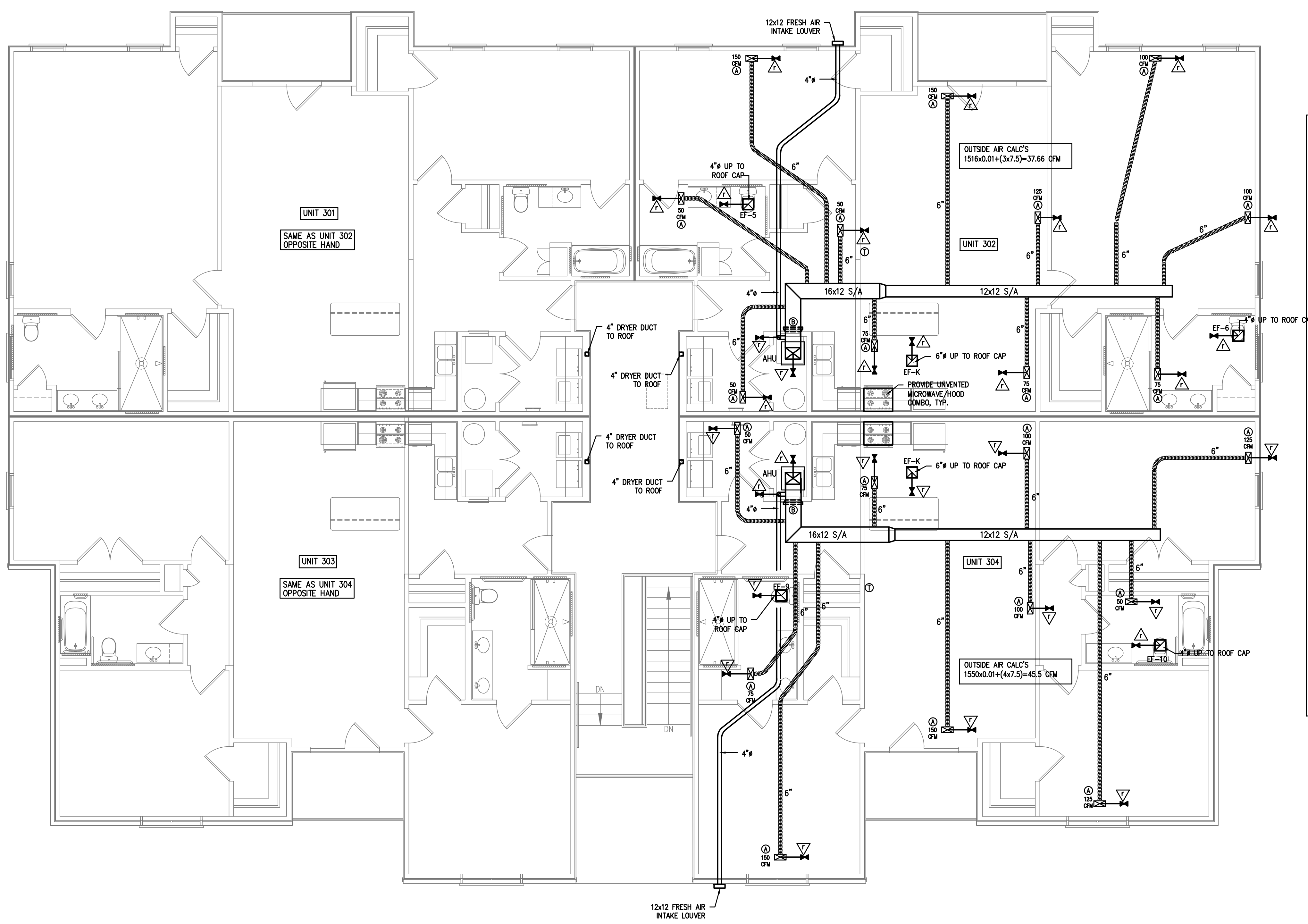
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SHEET TITLE:
 HVAC PLAN
 THIRD FLOOR

M3
 SHEET OF



ENGINEERING JUDGMENT FIRESTOP DETAIL

PROJECT NAME: FAIRWAY POINT BLDG 8&10
 FACILITY ADDRESS: FAIRWAY POINT AT ANDERSON CREEK CLUB GALLERY DRIVE SPRING LAKE NC
 CONTRACTOR: COASTAL PLAINS ENGINEERING PA
 F-RATING = 1-HR.

FRONT VIEW SECTION A-A

- GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300 SERIES) (1-HR. FIRE-RATING).
- GYPSUM WALL ASSEMBLY (UL DESIGN NO. U356) (1-HR FIRE-RATING) (SEE NOTE NO. 3 BELOW).
- WOOD FLOOR/CEILING ASSEMBLY (UL DESIGN NO. L528) (1-HR. FIRE-RATING).
- MAXIMUM 4" NOMINAL DIAMETER SHEET METAL DUCT (MINIMUM 28 GA. THICKNESS).
- MINIMUM 3/4" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
- MINIMUM 5/8" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 5"
 2. ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 3/4" (THROUGH CHASE WALL).
 3. ANNULAR SPACE = MINIMUM 0, MAXIMUM 1" (THROUGH WALL ASSEMBLY).
 4. U-356 GYPSUM WALL TO BE EXPOSED TO FIRE ON INTERIOR FACE ONLY.
 5. THIS SYSTEM IS DESIGNED IN ACCORDANCE WITH UL 1479.
 6. (NOT SHOWN) WHEN ANNULAR SPACE IS 0", APPLY MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

THIS ENGINEERING JUDGMENT REPRESENTS A FIRESTOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED.
 (REFERENCE: UL/cUL SYSTEM NO. W-L-7042 & F-C-7013)

HILTI Hilti Firestop Systems	Designed by	<i>Jyle Thomas</i>	Sheet	1 of 1	Drawing No.	509738a
			Scale	1/8" = 1"	Date	

Saving Lives through Innovation and Education

2 M3 DRYER VENT FIRESTOPPING-DETAIL
 N.T.S.

1 M3 HVAC PLAN-3RD FLOOR
 3/16"=1'-0"

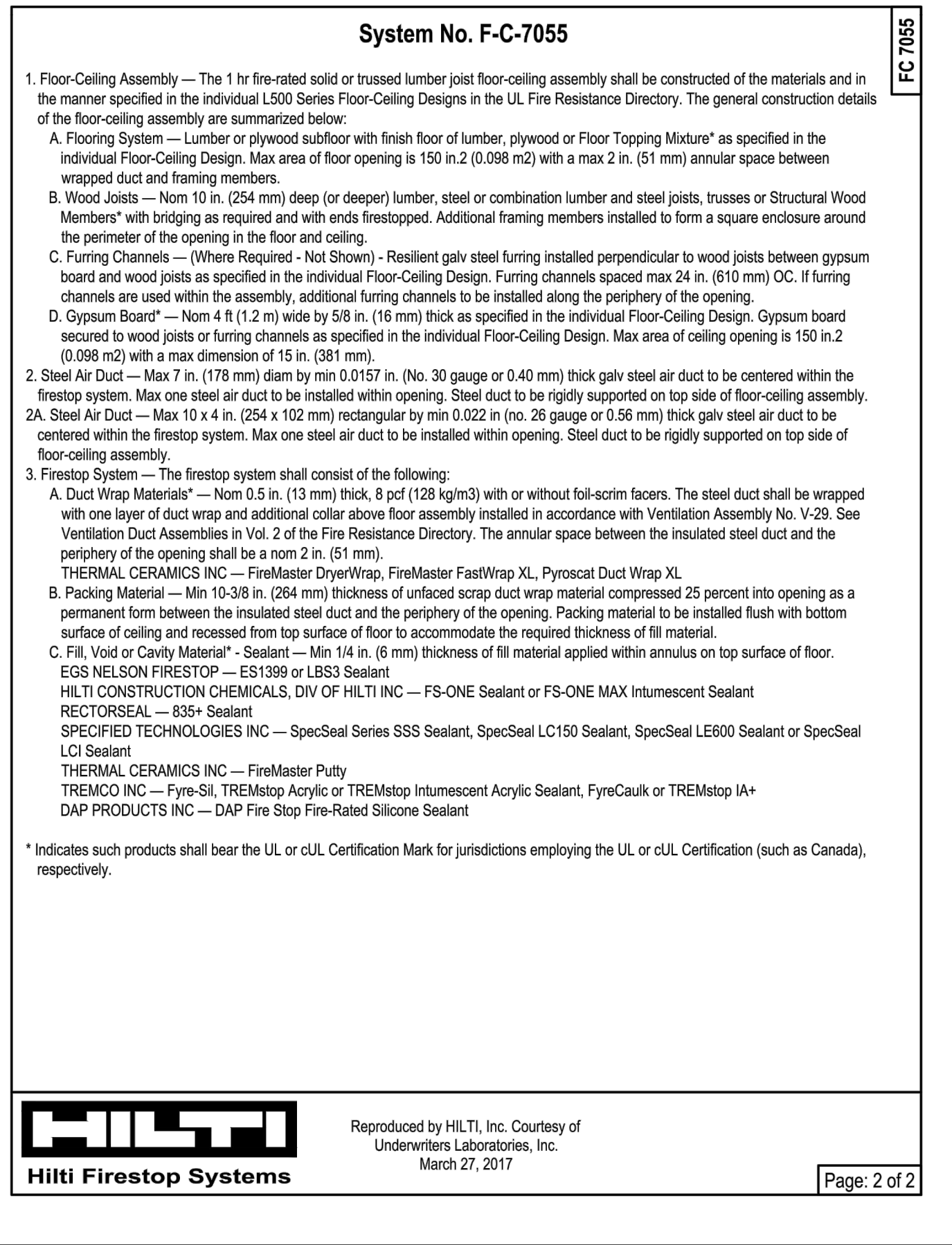
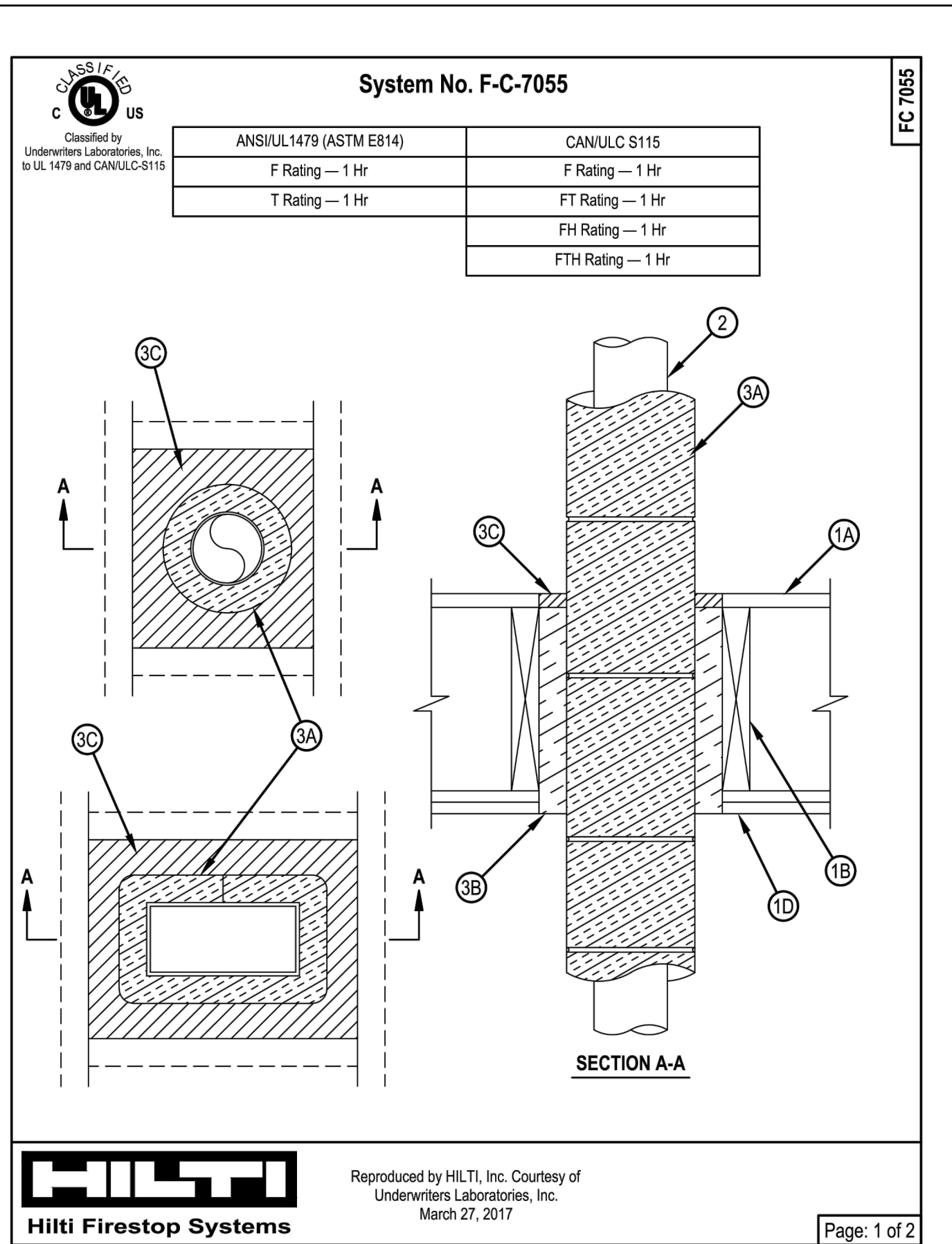
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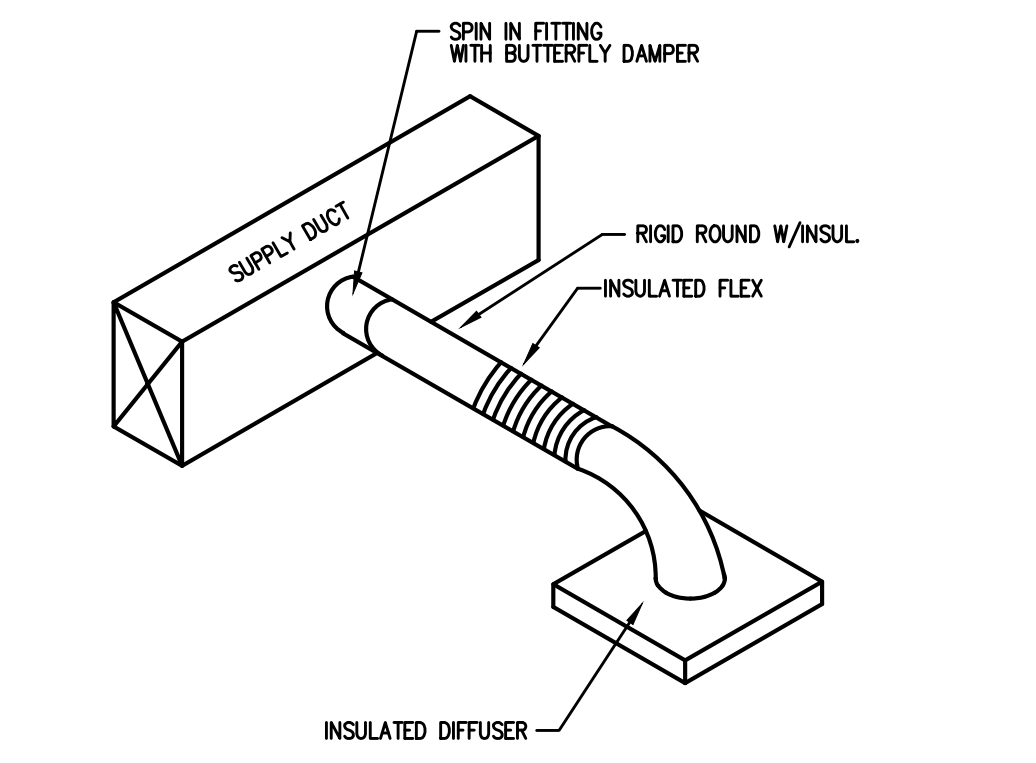
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MECHANICAL LEGEND

SYMBOL	DESCRIPTION
[Symbol]	RECTANGULAR CEILING MOUNTED S/A DIFFUSER
[Symbol]	RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE
[Symbol]	RUNNOUT TO DIFFUSER W/VOLUME DAMPER AND CONE EXTRACTOR
[Symbol]	90 DEG. ELBOW W/ TURNING VANES
---C---	CONDENSATE DRAIN PIPING
---R---	REFRIGERANT PIPING
[Symbol]	HEATING AND COOLING THERMOSTAT, MOUNT 5'-0" A.F.F., AUTOMATIC CHANGEOVER.
[Symbol]	SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)
[Symbol]	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
[Symbol]	CEILING FIRE/RADIATION DAMPER
[Symbol]	VERTICAL FIRE DAMPER



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.

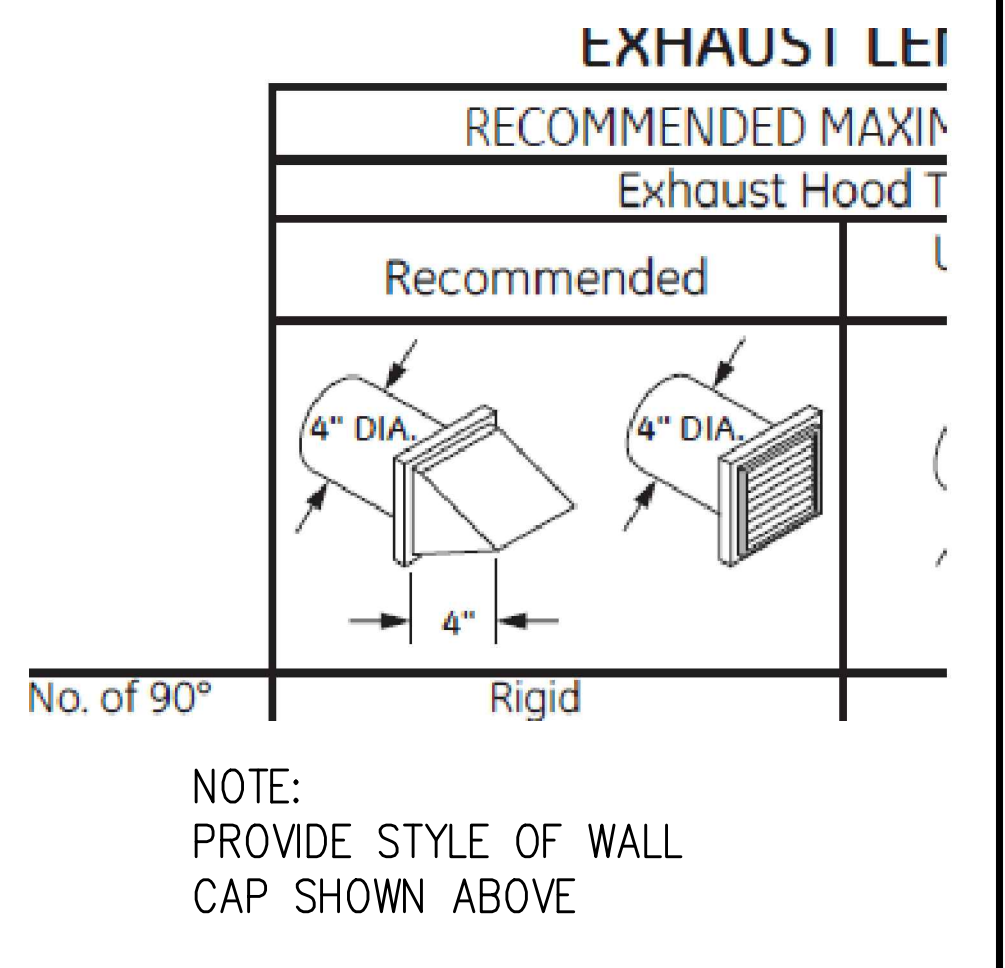
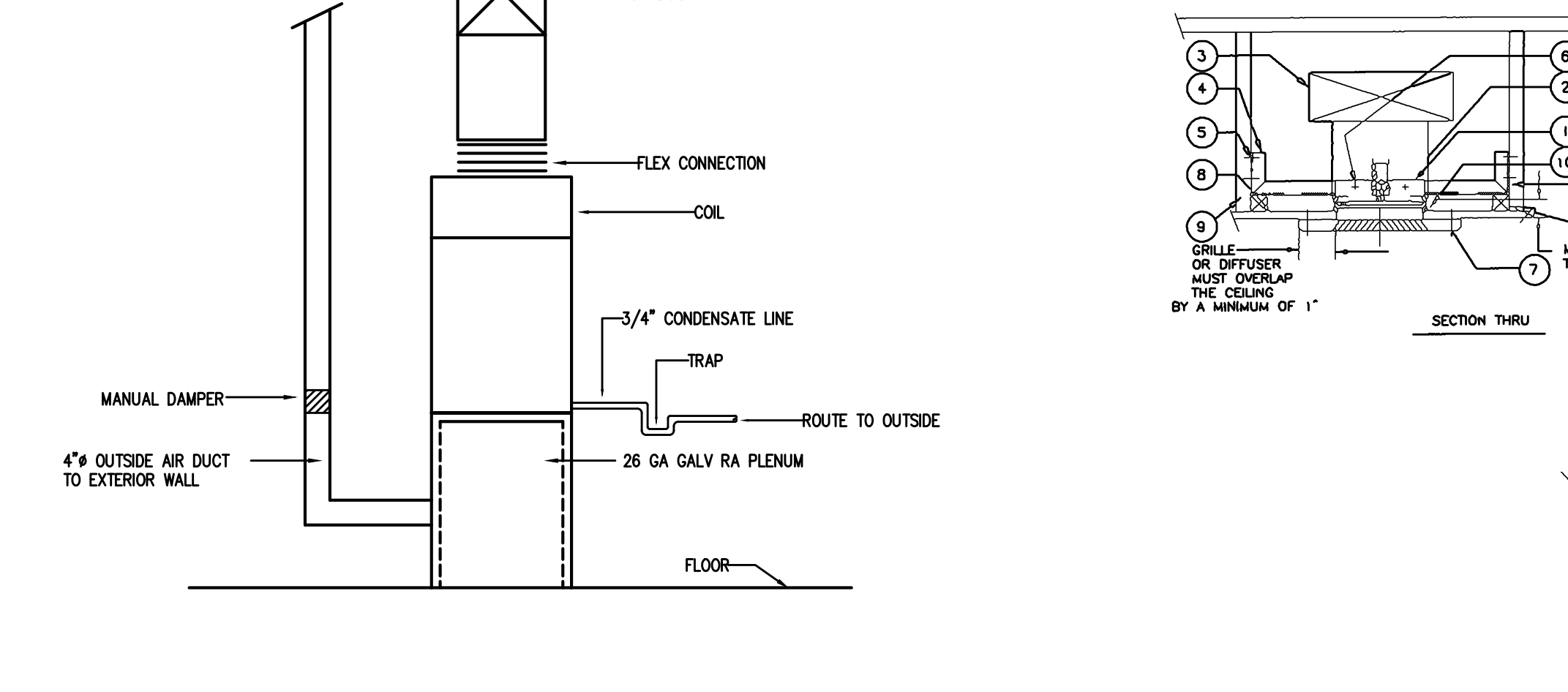
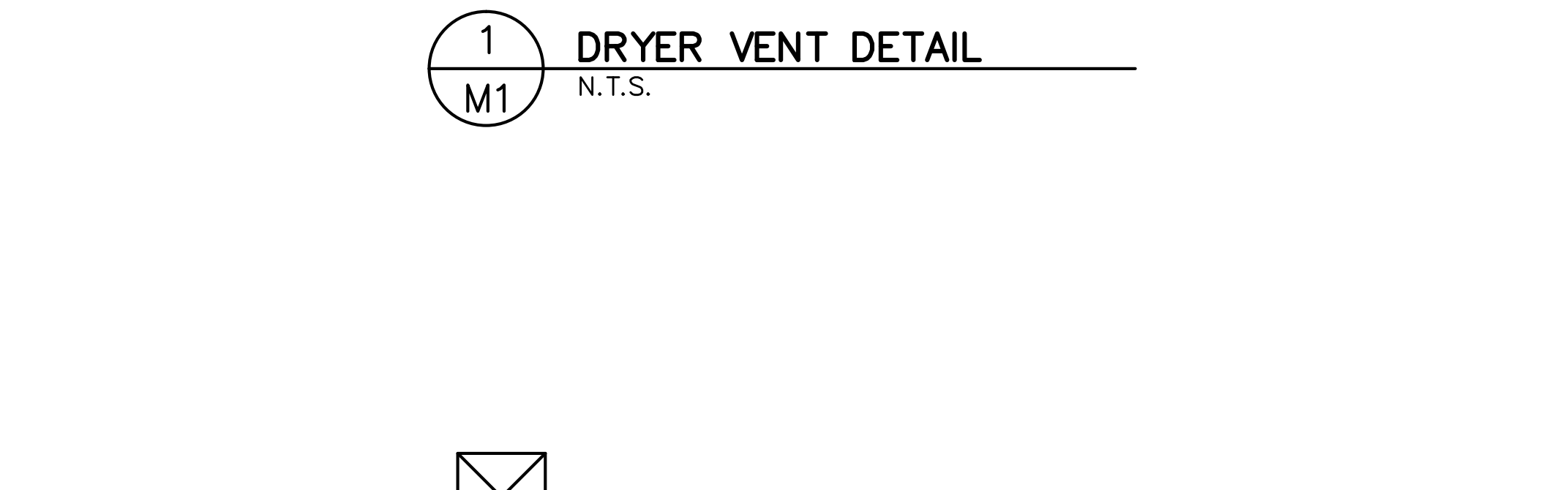
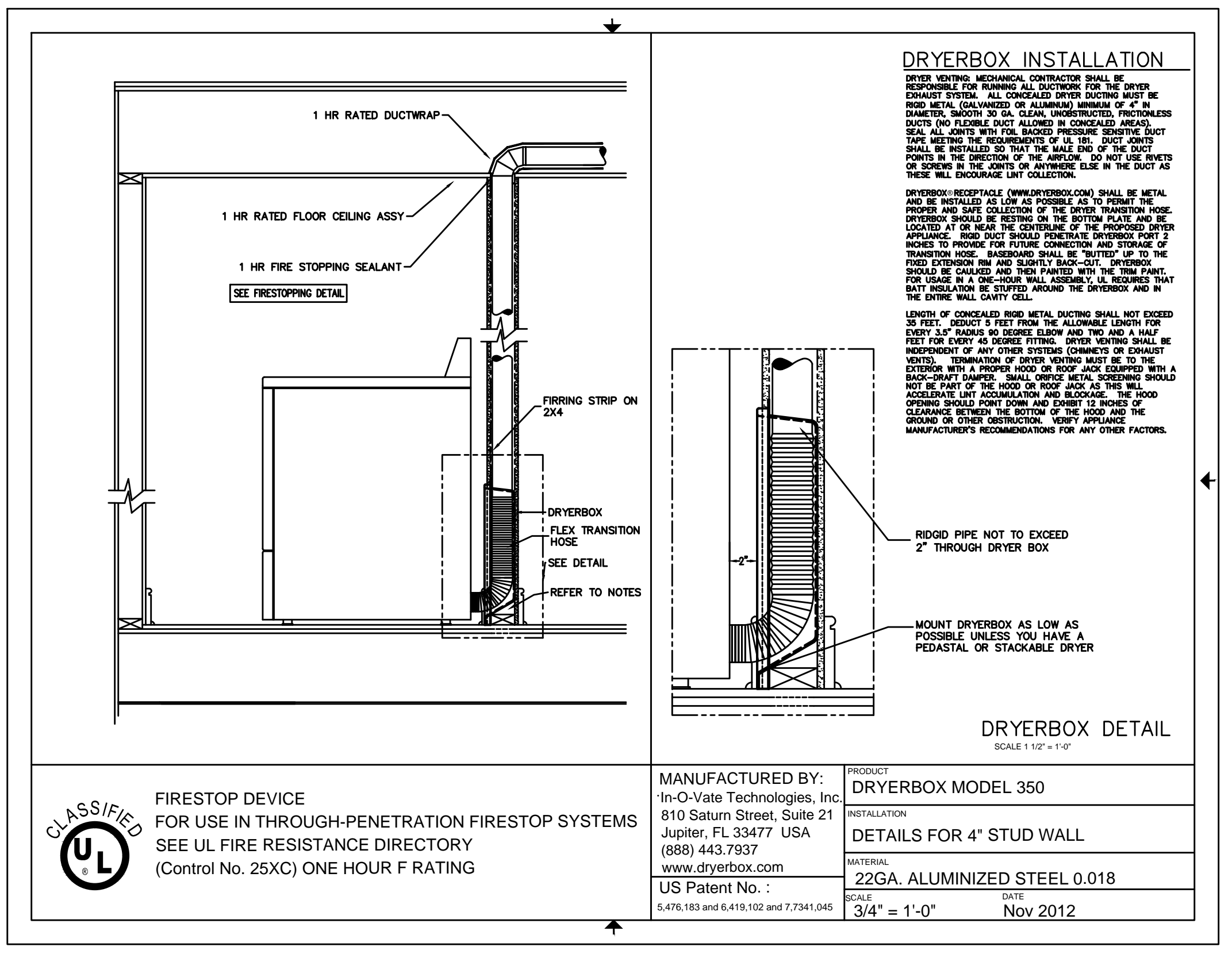
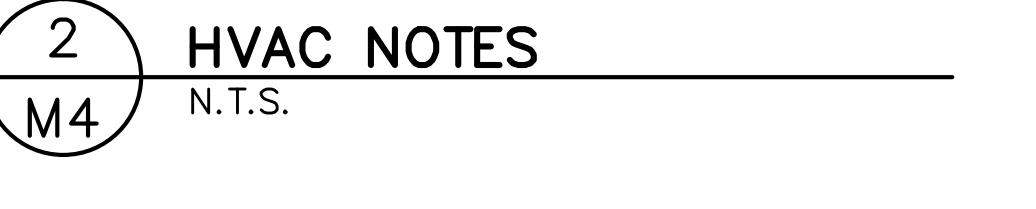
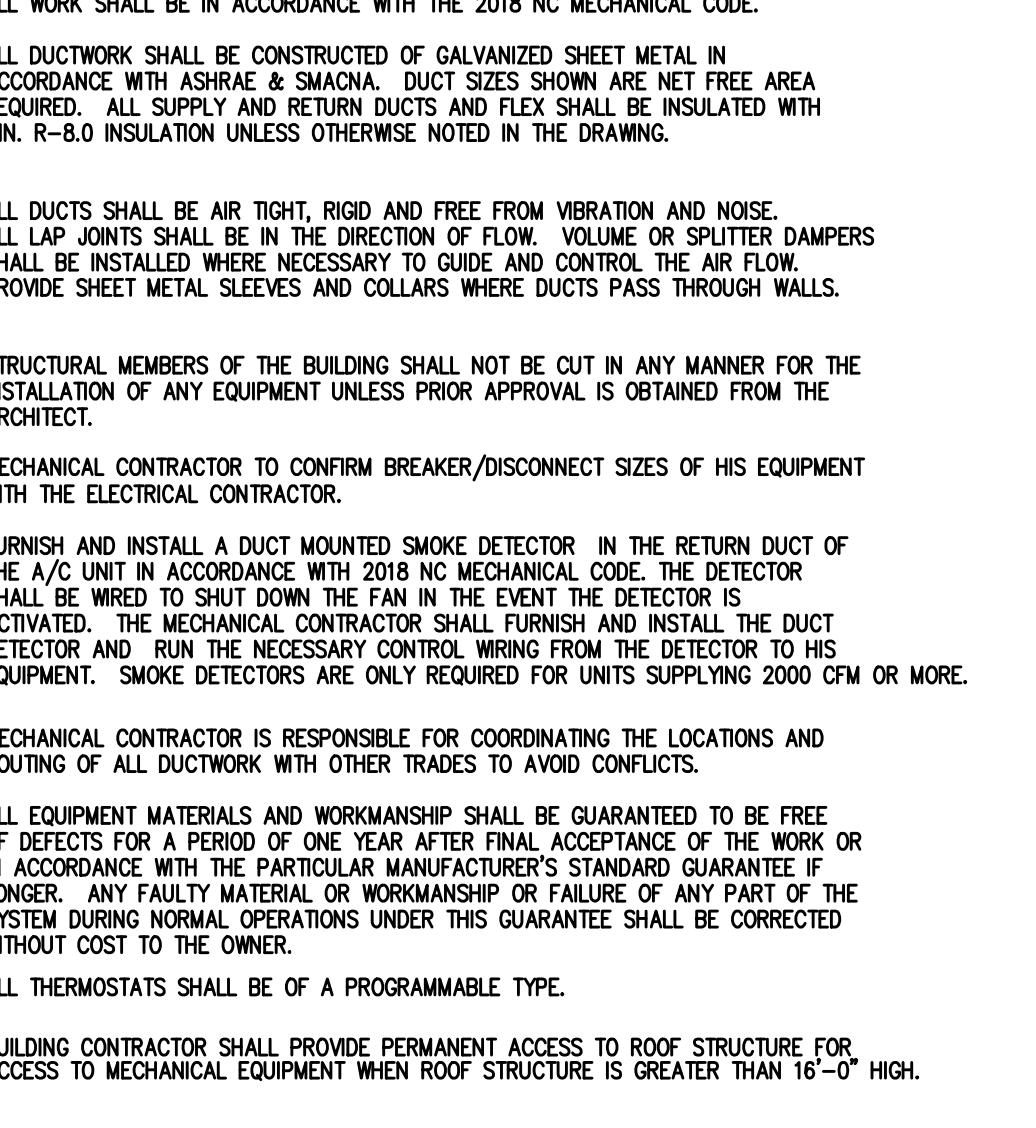
FURNISH AND INSTALL A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN DUCT OF THE A/C UNIT IN ACCORDANCE WITH 2018 NC MECHANICAL CODE. THE DETECTOR SHALL BE WIRED TO SHUT DOWN THE FAN IN THE EVENT THE DETECTOR IS ACTIVATED. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE DUCT DETECTOR AND RUN THE NECESSARY 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.



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SHEET TITLE: HVAC NOTES & DETAILS

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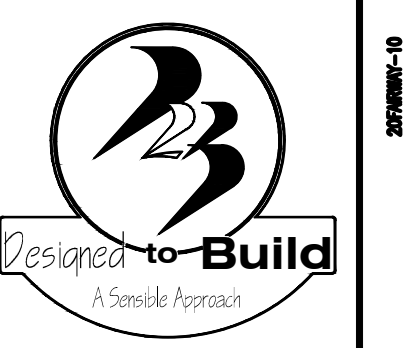
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A Sensible Approach

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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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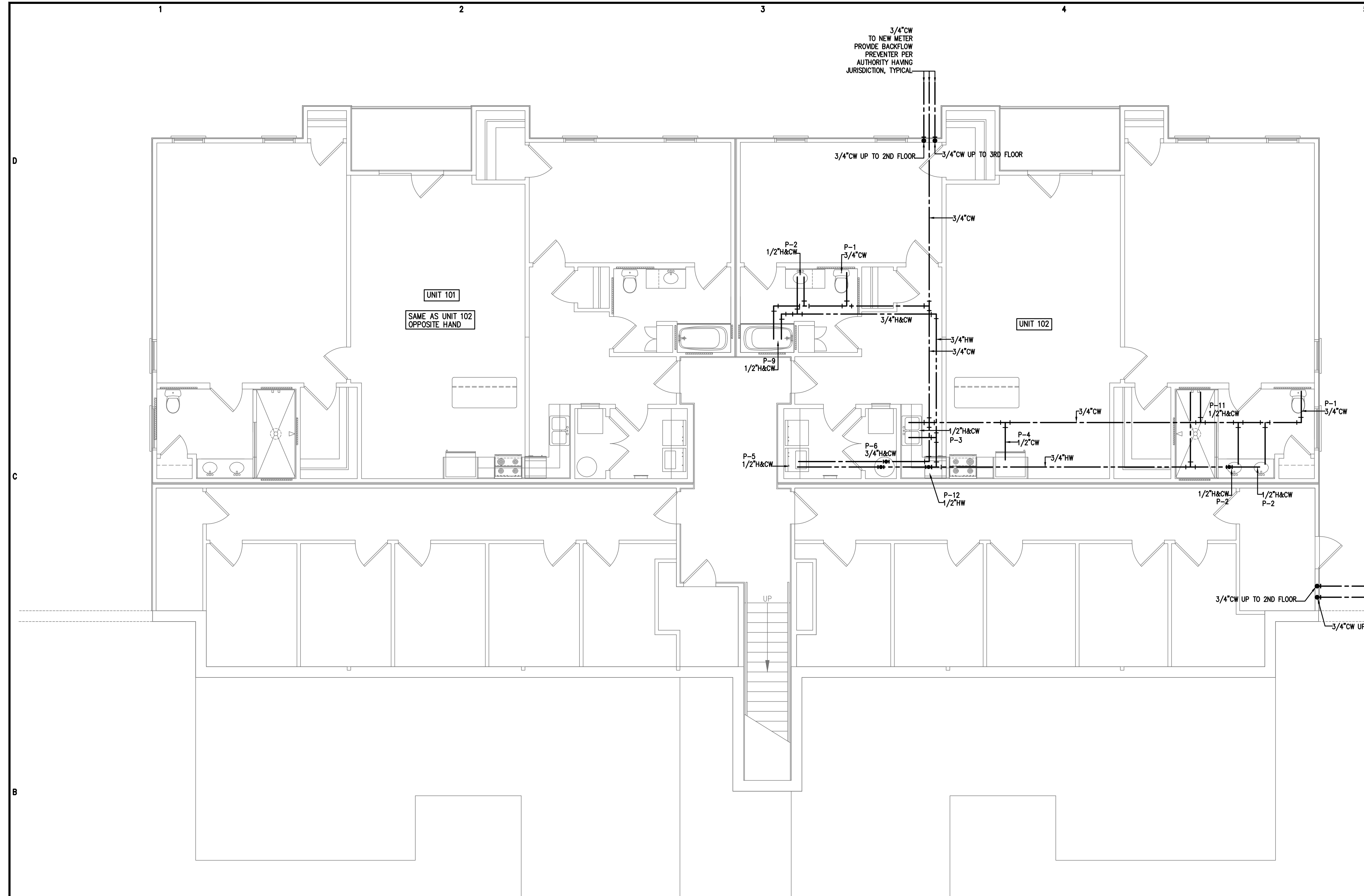
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SHEET TITLE:
PLUMBING PLAN
FIRST FLOOR

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.

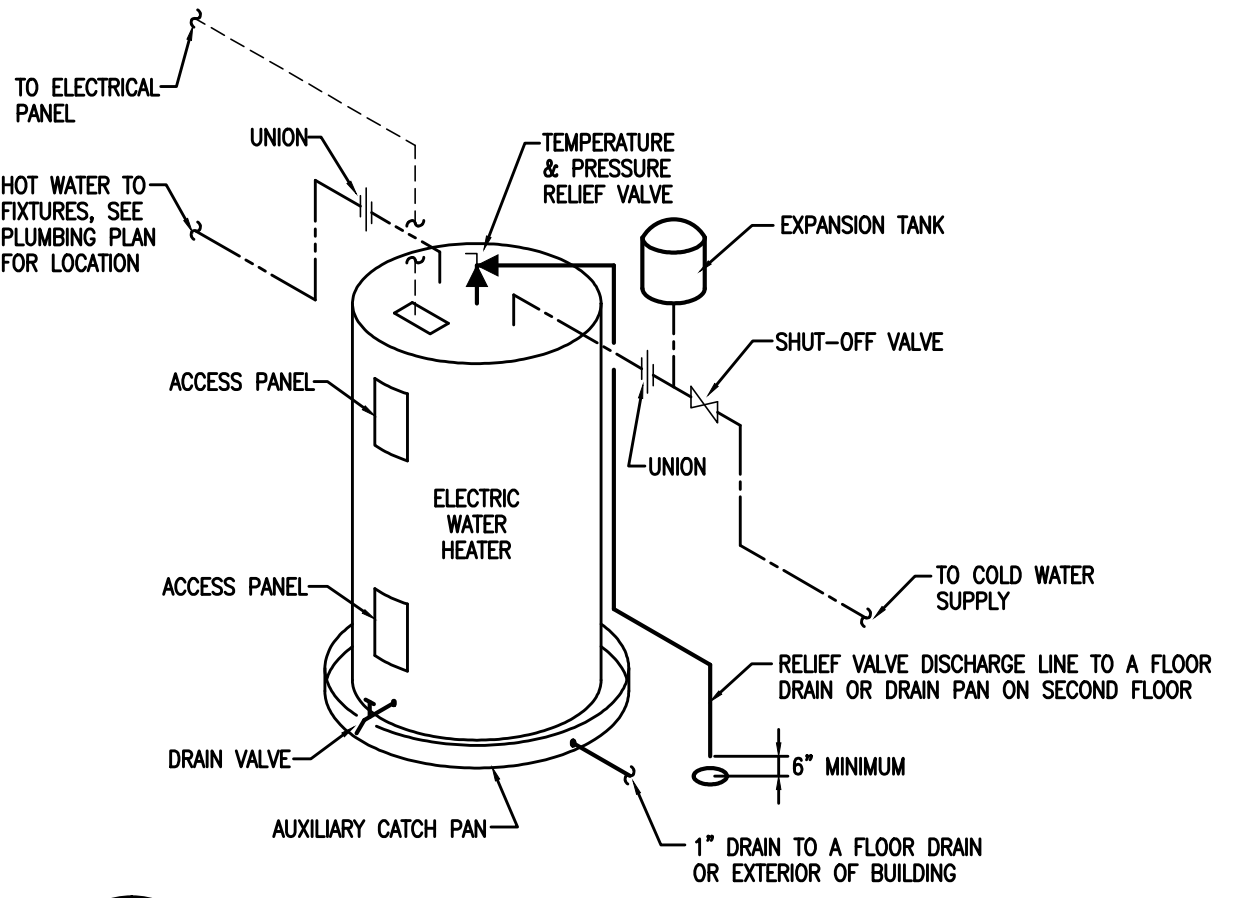
GAS PIPING WILL BE SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE IRON SCREW-TYPE FITTINGS.

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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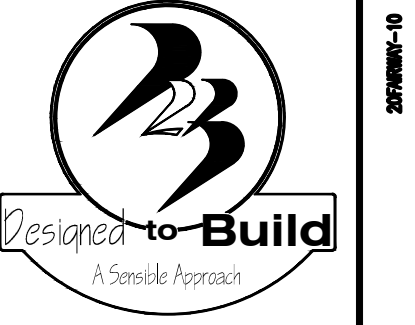
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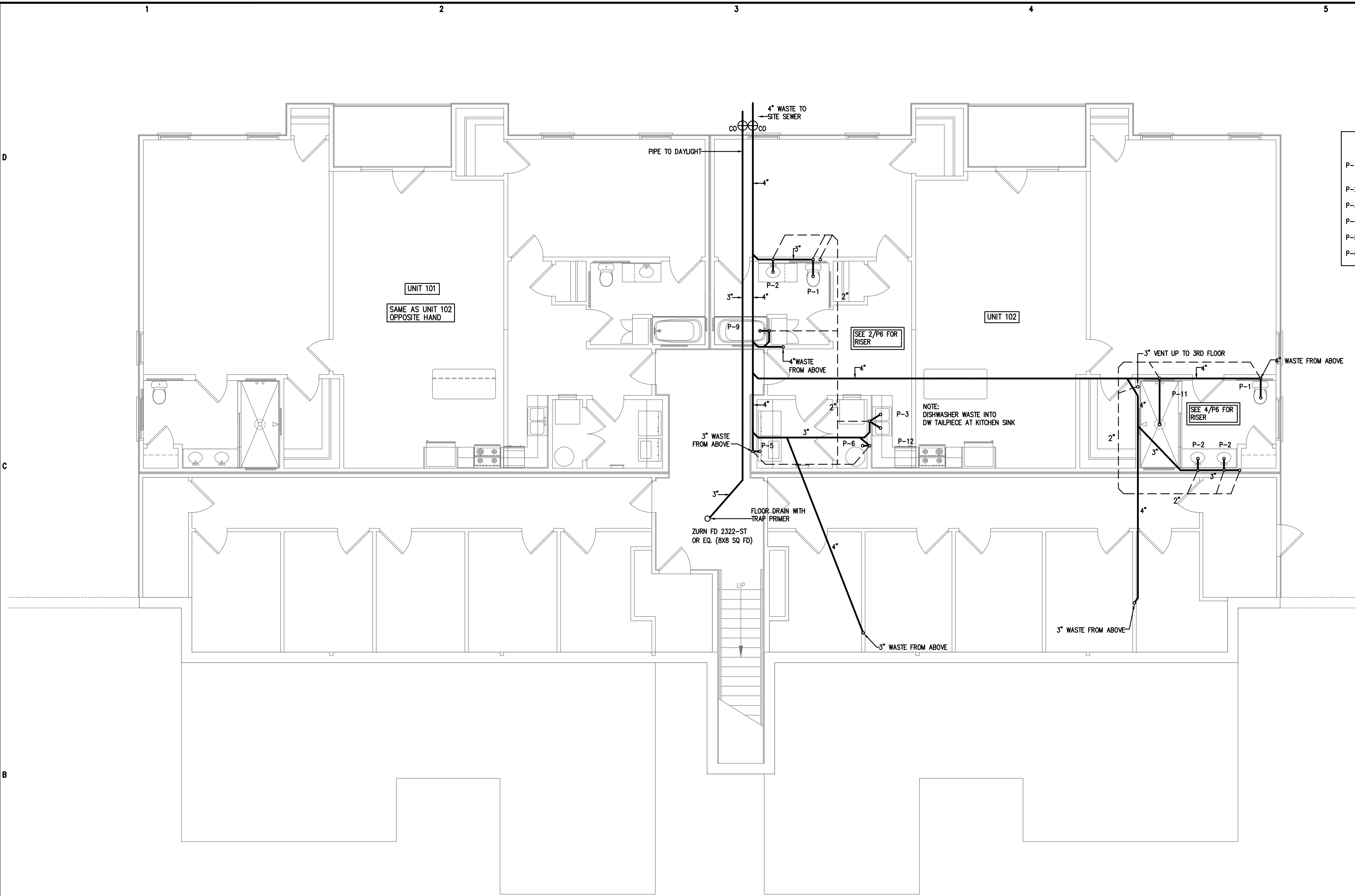
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P-5 WASHING MACHINE OUTLET BOX	P-11 SHOWER, ACCESSIBLE TYPE
P-6 WATER HEATER AND DRAIN PAN	P-12 RESIDENTIAL DISHWASHER



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
	RD

1 PLUMBING PLAN-1ST FLOOR WASTE/VENT PIPING
 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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P2
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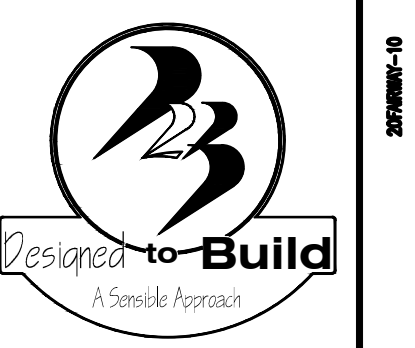
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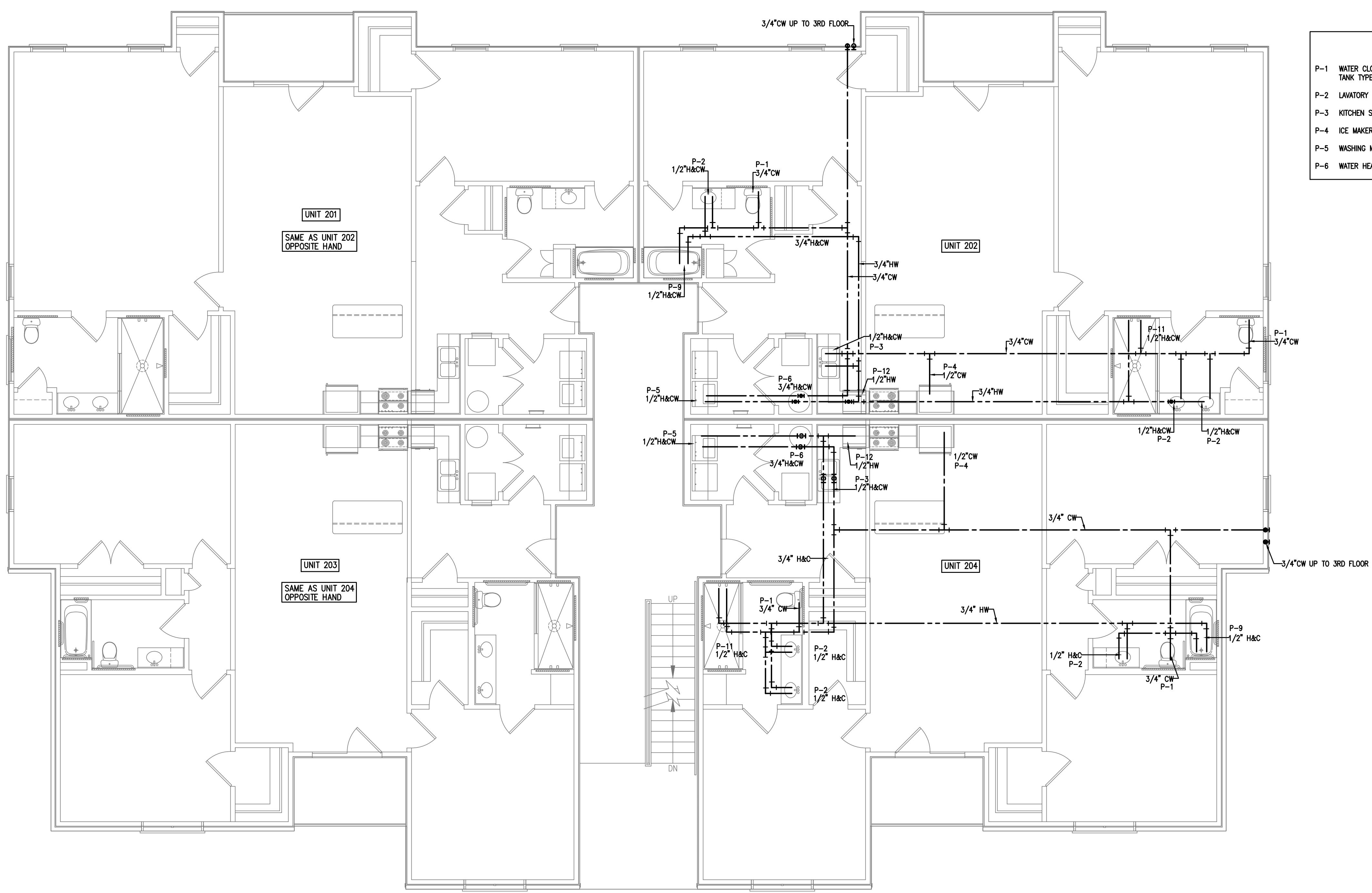
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1 PLUMBING PLAN-2ND FLOOR WATER PIPING
P3 3/16"=1'-0"

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

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SECOND FLOOR

P3
SHEET OF

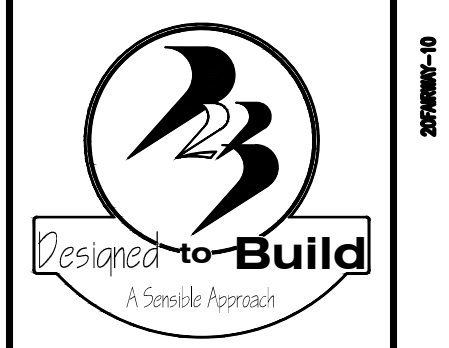
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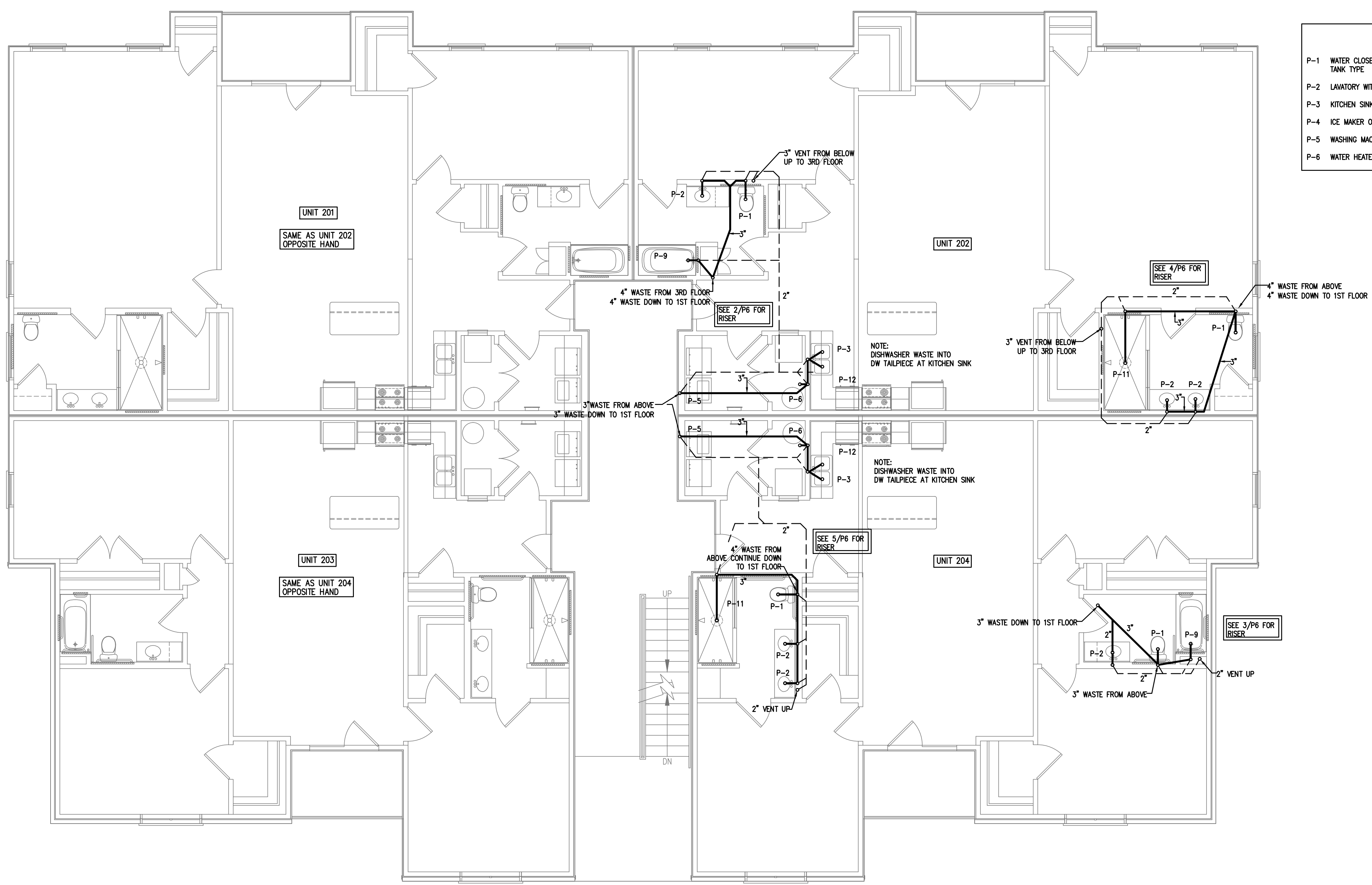
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1 PLUMBING PLAN-2ND FLOOR WASTE/VENT PIPING
P4 3/16"=1'-0"

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GALLERY DRIVE, BUILDING _____
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SECOND FLOOR

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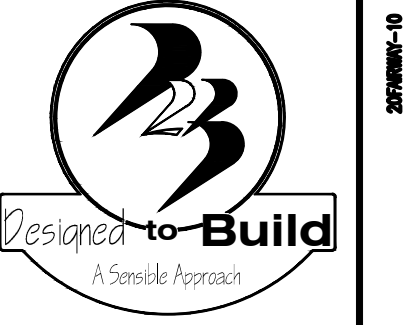
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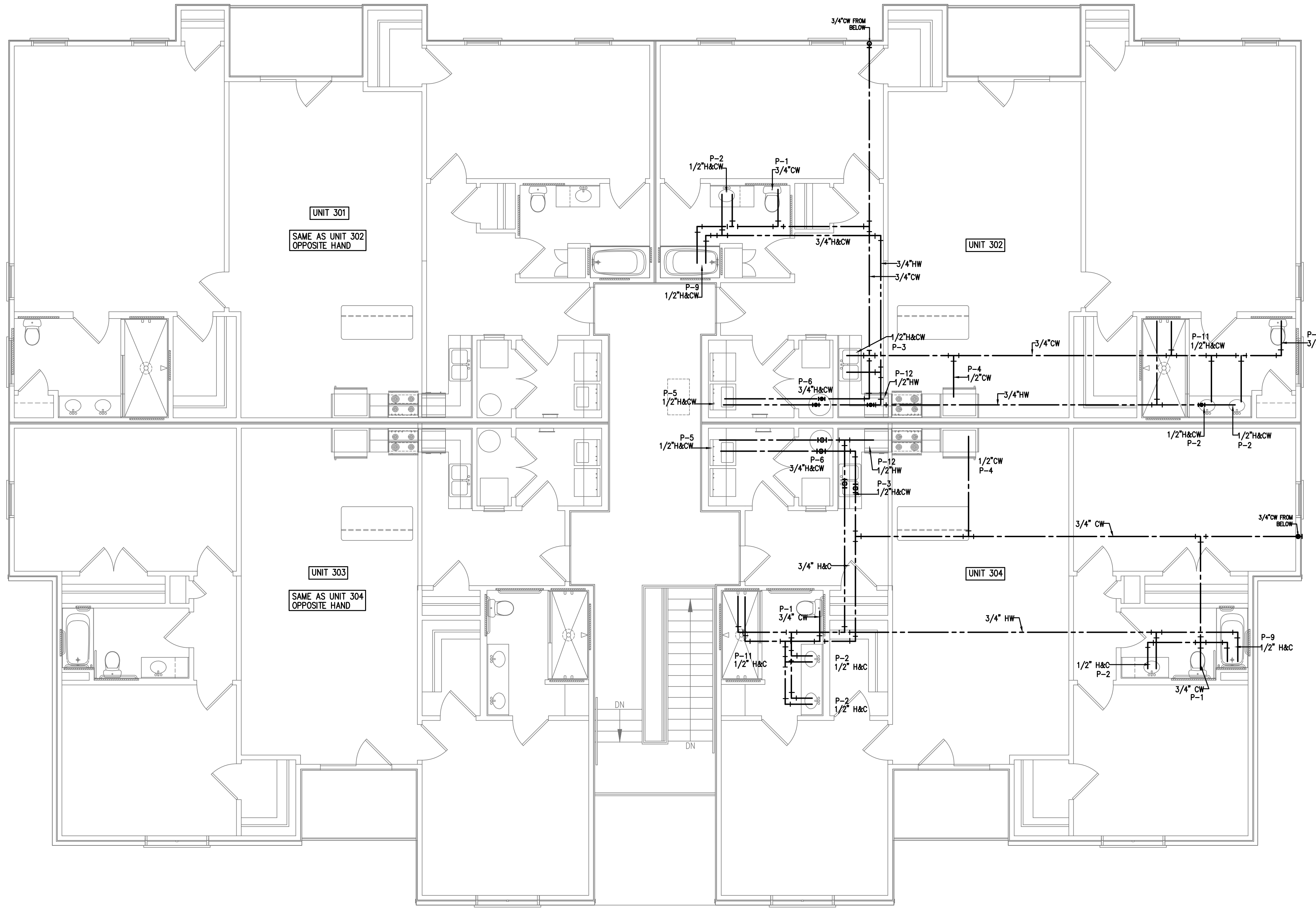
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THIRD FLOOR

P5
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PLUMBING FIXTURE SCHEDULE

- P-1 WATER CLOSET, FLOOR MOUNTED, ELONGATED BOWL, TANK TYPE
- P-2 LAVATORY WITH LEVER TYPE FAUCET AND POP UP DRAIN
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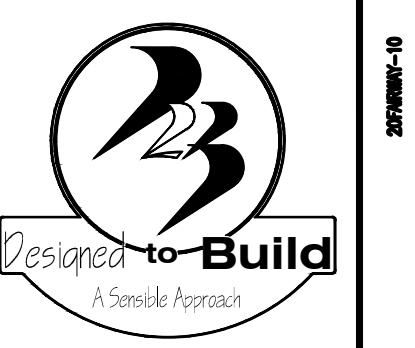
1 PLUMBING PLAN-3RD FLOOR WATER PIPING
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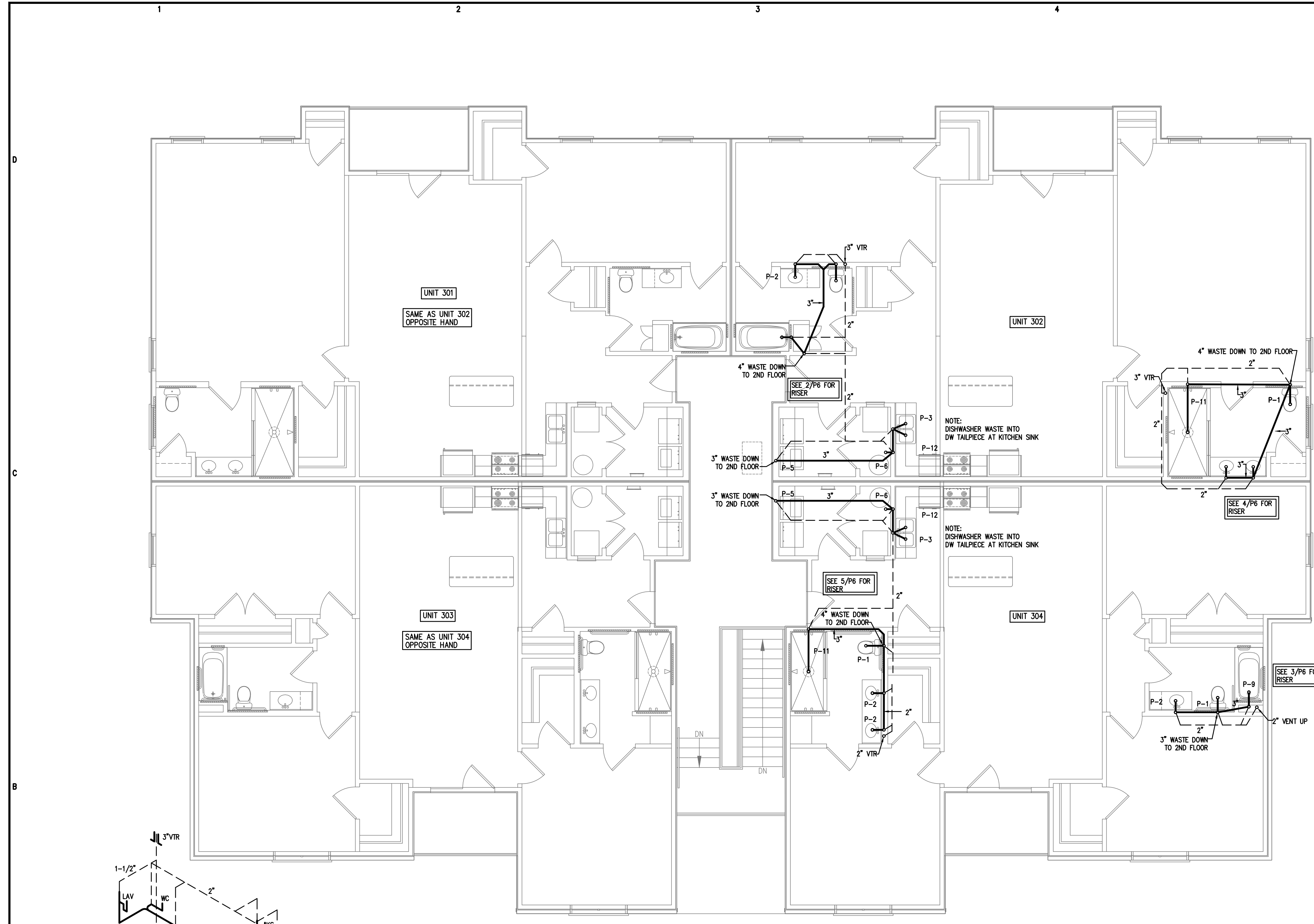
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 THIRD FLOOR

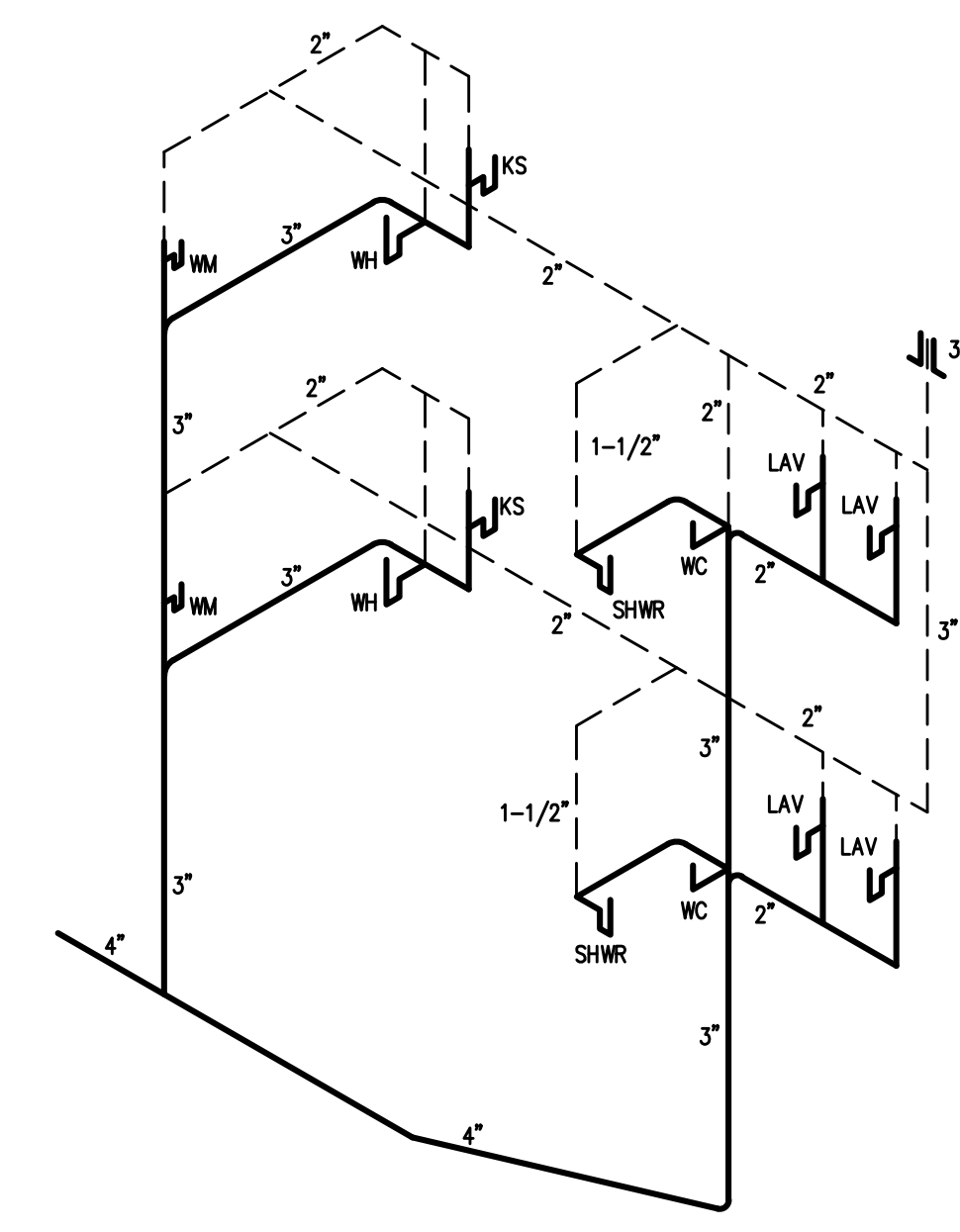
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1 PLUMBING PLAN-3RD FLOOR WASTE/VENT PIPING
 3/16"=1'-0"

4 WASTE RISER DIAGRAM
 N.T.S.



5 WASTE RISER DIAGRAM
 N.T.S.

2 WASTE RISER DIAGRAM
 N.T.S.

3 WASTE RISER DIAGRAM
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