



PLAN FOR:

LEGACY @ HAW RIVER APARTMENTS: V2

DeBoer & Gabriel Builders, Inc. Legacy River Trail Burlington, NC 27217



Plan Index	
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S-1 thru S-4	Structural Plans
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E-1 thru E-4	Electrical Plans
FA-1	Fire Alarm Plan

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Drawn By: JTB
 Checked By: GWF
 Date: 4/12/23
 File: D&G Legacy Haw River V2

Revisions:	Date	Remarks

Project:
 Legacy @ Haw River
 Version 2
 Burlington, NC
 DeBoer & Gabriel
 Builders, Inc
 6 Apt Buildings
 1 Clubhouse

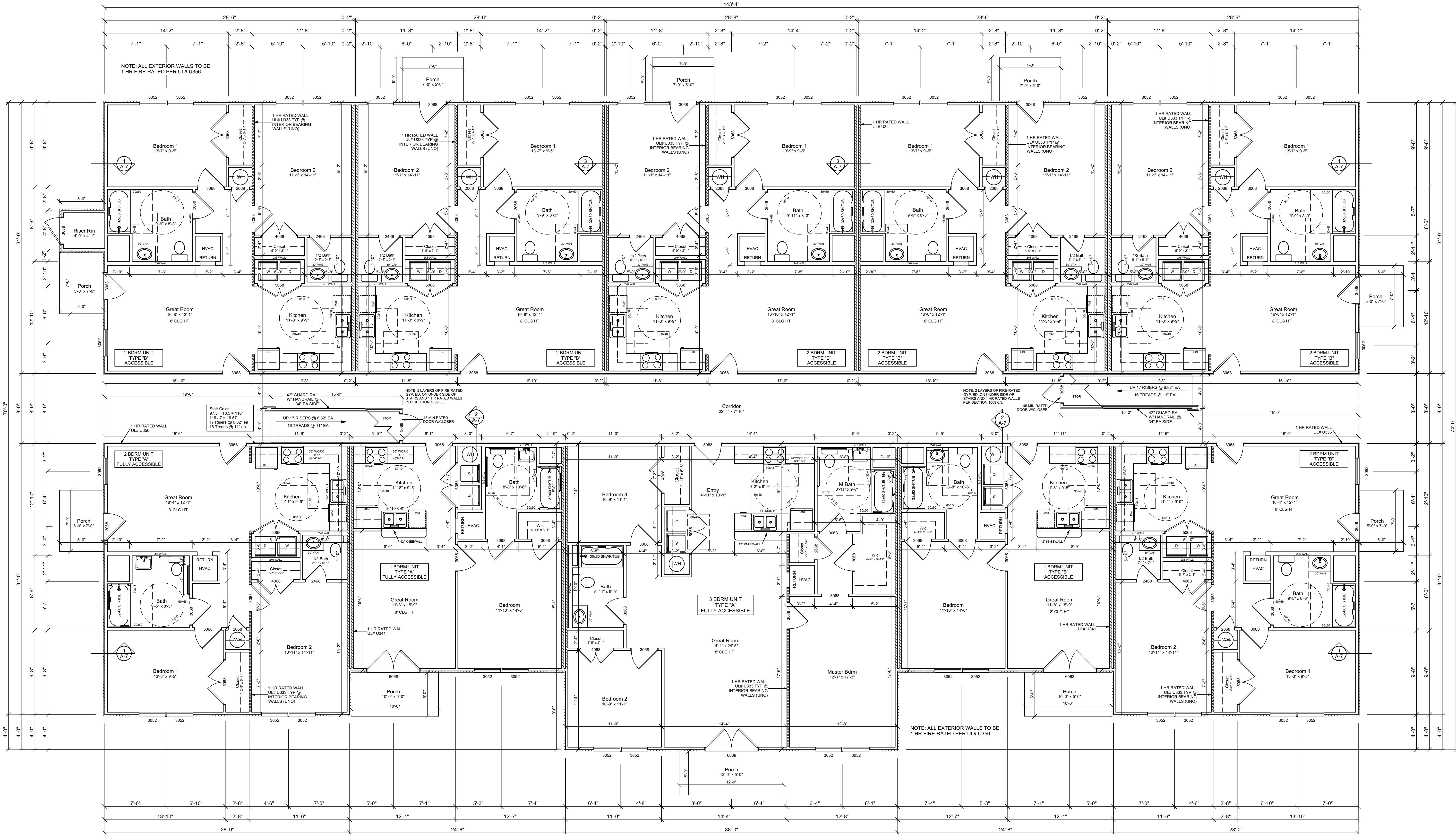
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CS-1

GENERAL NOTES:

- CONTRACTOR TO COMPLY W/ ALL APPLICABLE BLDG. CODES AND REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND APPROVALS INCLUDING ALL FEES ASSOCIATED WITH PERMITS AND APPROVALS.
- CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIAL, EQUIPMENT, MACHINERY AND ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO START OF ANY WORK.
- CONTRACTOR AND/OR OWNER RESPONSIBLE FOR DETERMINING SPECIFICATIONS FOR MATERIALS, PRODUCTS AND SYSTEMS TO BE USED IN THIS PROJECT.
- INTERIOR NON-RATED WALLS TO BE 2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP BD EACH SIDE UNLESS NOTED OTHERWISE. ALL WALLS TO BE FIRE-STOPPED PER APPLICABLE BUILDING CODE REQUIREMENTS.
- 1st FLOOR INT. FIRE-RATED WALLS TO BE 2x4 WOOD STUDS @ 12" O.C. W/ 5/8" FIRE-RATED GYP BD EACH SIDE UNLESS NOTED OTHERWISE. REFER TO UL ASSEMBLY DESIGNS. ALL WALLS TO BE FIRE-STOPPED PER APPLICABLE BUILDING CODE REQUIREMENTS.
- PROVIDE GYP. BD. CEILING AT ALL AREAS. GYP. BOARD TO BE ATTACHED TO BOTTOM CHORD OF PRE-ENGINEERED WOOD ROOF TRUSS WITH RESILIENT CHANNELS UNLESS NOTED OTHERWISE.
- PROVIDE 20"x30"x1" 1 HR FIRE-RATED ATTIC ACCESS DOOR AS INDICATED ON DRAWINGS. CONTRACTOR TO COORDINATE LOCATION IN FIELD.
- INTERIOR FINISHES TO BE DETERMINED BY OWNER. CONTRACTOR TO COORDINATE.
- ALL EXTERIOR DOORS TO BE EMBOSSED HOLLOW METAL DOORS WITH INSULATED CORE IN WOOD FRAMES. GLASS IN EXTERIOR DOORS TO BE 5/8" INSULATED SAFETY GLAZING.
- ALL EXTERIOR APARTMENT UNIT ENTRY DOORS TO BE 6 PANEL EMBOSSED HOLLOW METAL DOORS WITH INSULATED CORES IN WOOD FRAMES. DOORS AND FRAMES TO BE 1 HR FIRE-RATED.

- ALL INTERIOR DOORS TO BE 6 PANEL HOLLOW CORE WOOD DOORS IN SIZES AS INDICATED ON DRAWINGS.
- ALL DOOR HARDWARE TO BE HIC COMPLIANT. ALL LATCHSETS AND LOCKSETS TO HAVE LEVER TYPE HANDLES.
- PROVIDE WEATHERSTRIPPING AND ALUM. THRESHOLDS AT ALL EXTERIOR DOORS.
- ALL HVAC CLOSETS TO HAVE LOUVERED DOORS.
- ALL STAIR AND BALCONY RAILINGS TO BE 42" IN HEIGHT. BALUSTERS FOR ALL RAILINGS TO BE SPACED SO AS NOT TO ALLOW PASSAGE OF 4" DIAMETER SPHERE.
- ALL STAIR TREADS TO HAVE 1" NOSING PROJECTION. UNDERSIDE OF NOSING PROJECTION TO BE ANGLED AT 30° FROM VERTICAL PER HANDICAP CODE REQUIREMENTS.
- CONTRACTOR TO VERIFY AND COORDINATE LOCATION OF ALL PAD MOUNTED MECHANICAL EQUIPMENT.
- ALL KITCHEN AND BATHROOM CABINETS AND FIXTURES AT TYPE "A" HC UNIT TO MEET ALL APPLICABLE REQUIREMENTS FOR ACCESSIBILITY.
- OWNER TO DETERMINE STYLE, FINISH AND COLOR OF ALL KITCHEN AND BATHROOM CABINETS.
- PROVIDE DRAFTSTOP IN ATTIC SO THAT NO ATTIC AREA IS GREATER THAN 3,000 SF. DRAFTSTOP TO BE ONE LAYER OF GYP. BOARD ATTACHED TO ONE SIDE OF ROOF TRUSS.
- PROVIDE ACCESS PANEL IN DRAFTSTOP.
- PROVIDE DRAFTSTOP IN TRUSSED FLOOR ASSEMBLY SO THAT NO FLOOR AREA IS GREATER THAN 1,000 SF. DRAFTSTOP TO BE ONE LAYER OF GYP. BOARD ATTACHED TO ONE SIDE OF FLOOR TRUSS. COORDINATE WITH FLOOR TRUSS MANUFACTURER FOR ANY SPECIAL REQUIREMENTS PERTAINING TO DRAFTSTOPPING.
- REFER TO STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS BY OTHERS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REFER TO SITE PLAN BY OTHERS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL BEDROOM WINDOWS TO MEET EMERGENCY ESCAPE AND RESCUE REQUIREMENTS.



Unit Count (for 6 buildings)			
TYPE OF UNIT	QUAN THIS BLDG	QUAN THIS PROJ. (6 BLDG)	TOTAL REQ. (PER)
1 BDRM TYPE "A"	1	6	1.8
1 BDRM TYPE "B"	1	6	1.8
1 BDRM STANDARD	1	6	1.8
2 BDRM TYPE "A"	1	6	6.3
2 BDRM TYPE "B"	1	6	6.3
2 BDRM STANDARD	1	6	6.3
3 BDRM TYPE "A"	1	6	6.3
3 BDRM TYPE "B"	1	6	6.3
3 BDRM STANDARD	1	6	6.3

THE REQUIRED 8% TYPE "A" UNITS IS MET.

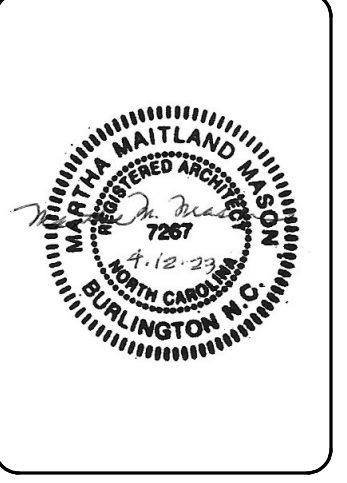
Wall Types			
TYPE	UL #	GRAPHIC	WALL STUDS
EXTERIOR WALL	U336	[Graphic]	2x4 #2 SPF @ 12" OC
EXT. CORRIDOR WALL	U336	[Graphic]	2x4 #2 SPF @ 12" OC
INTERIOR WALL	NONE	[Graphic]	2x4 #2 SPF @ 16" OC
INT. LOAD BEARING WALL	U333	[Graphic]	2x4 #2 SPF @ 12" OC
TENANT SEPARATION WALL	U341	[Graphic]	2x4 #2 SPF @ 16" OC

1 First Floor Plan

Scale: 3/16"=1'

Square Footage	
UNDER ROOF 1st FLOOR =	9962 SF
UNDER ROOF 2nd FLOOR =	9962 SF
UNDER ROOF 3rd FLOOR =	9836 SF
UNDER ROOF BLDG TOTAL =	29760 SF
HEATED AREA PER FLOOR =	8792 SF
TOTAL HEATED PER BLDG =	26376 SF

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Revisions:	Remarks
Date	

Project:
 Legacy @ Haw River
 Version 2
 Burlington, NC
 DeBoer & Gabriel
 Builders, Inc
 6 Apt Buildings
 1 Clubhouse

Scale:
 3/16"=1'

Sheet No:
A-1

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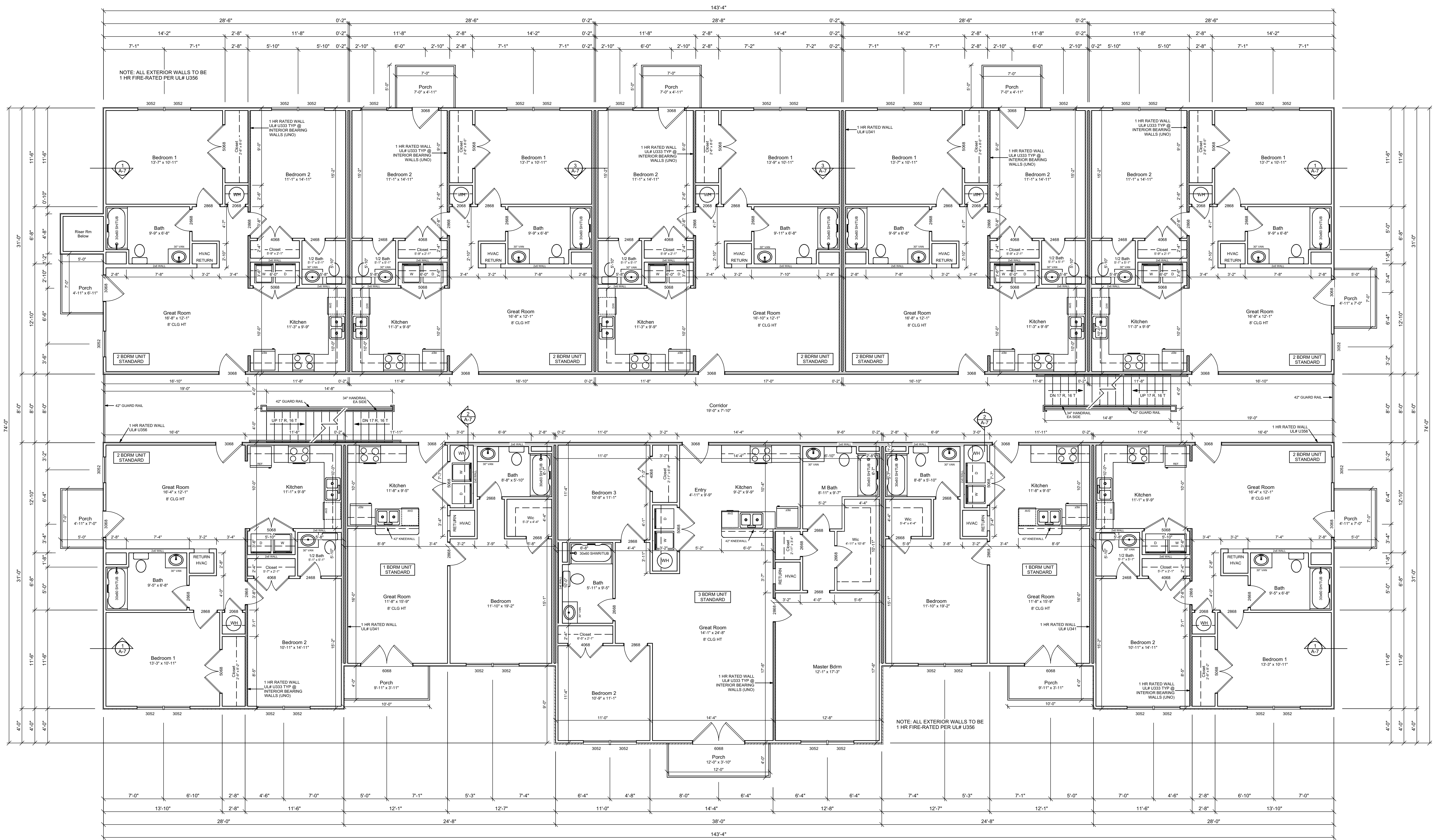
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Scale:
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A-2

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Wall Types		
TYPE	UL #	GRAPHIC
EXTERIOR WALL	U356	[Symbol]
EXT. CORRIDOR WALL	U356	[Symbol]
INTERIOR WALL	NONE	[Symbol]
INT. LOAD BEARING WALL	U333	[Symbol]
TENANT SEPARATION WALL	U341	[Symbol]

1
A-2
Second Floor Plan
 Scale: 3/16"=1'



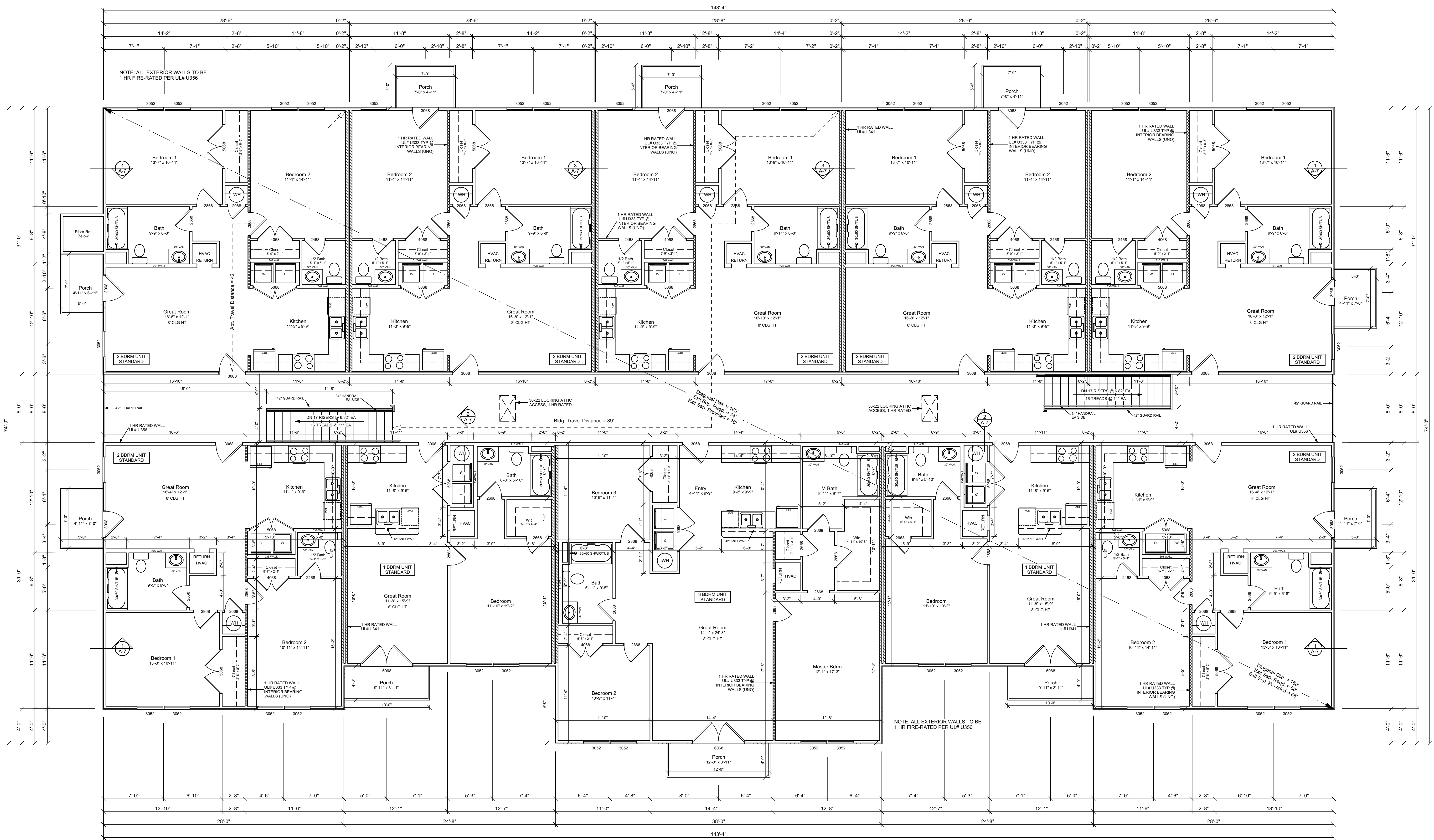
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A-3



Wall Types		
TYPE	UL #	GRAPHIC
EXTERIOR WALL	U356	[Pattern]
EXT. CORRIDOR WALL	U356	[Pattern]
INTERIOR WALL	NONE	[Pattern]
INT. LOAD BEARING WALL	U333	[Pattern]
TENANT SEPARATION WALL	U341	[Pattern]

1
A-3
Third Floor Plan
 Scale: 3/16"=1'

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Scale:
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Sheet No:
A-4

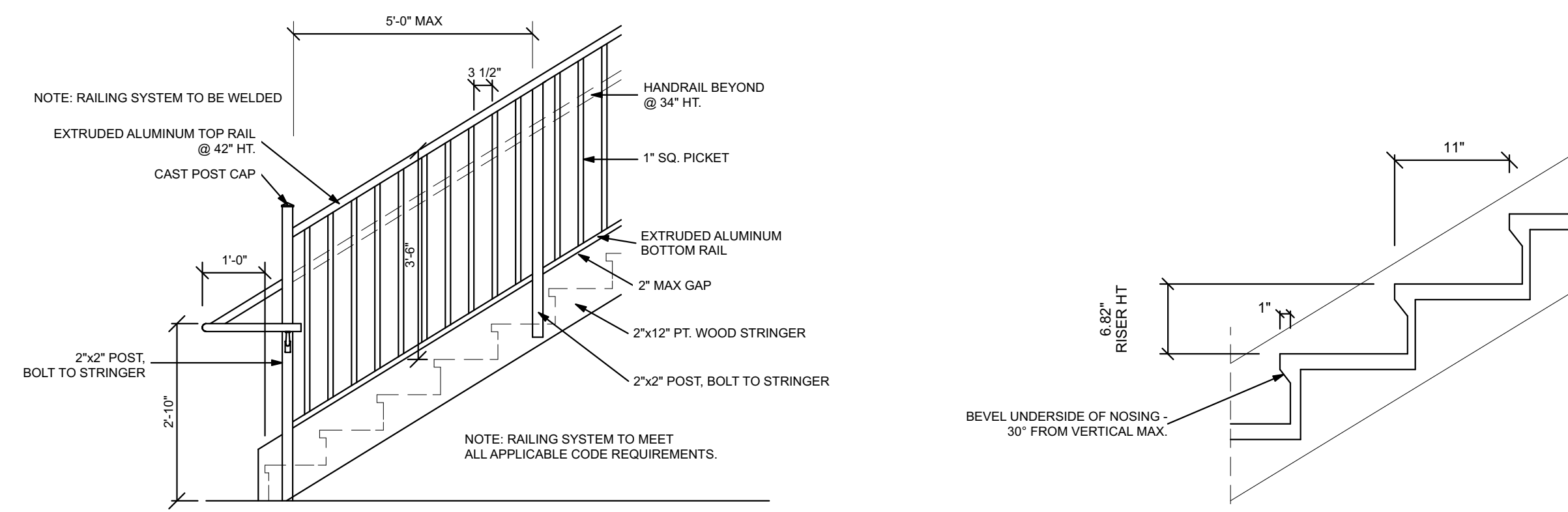
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2 Rear Elevation
 Scale: 3/16"=1'



1 Front Elevation
 Scale: 3/16"=1'



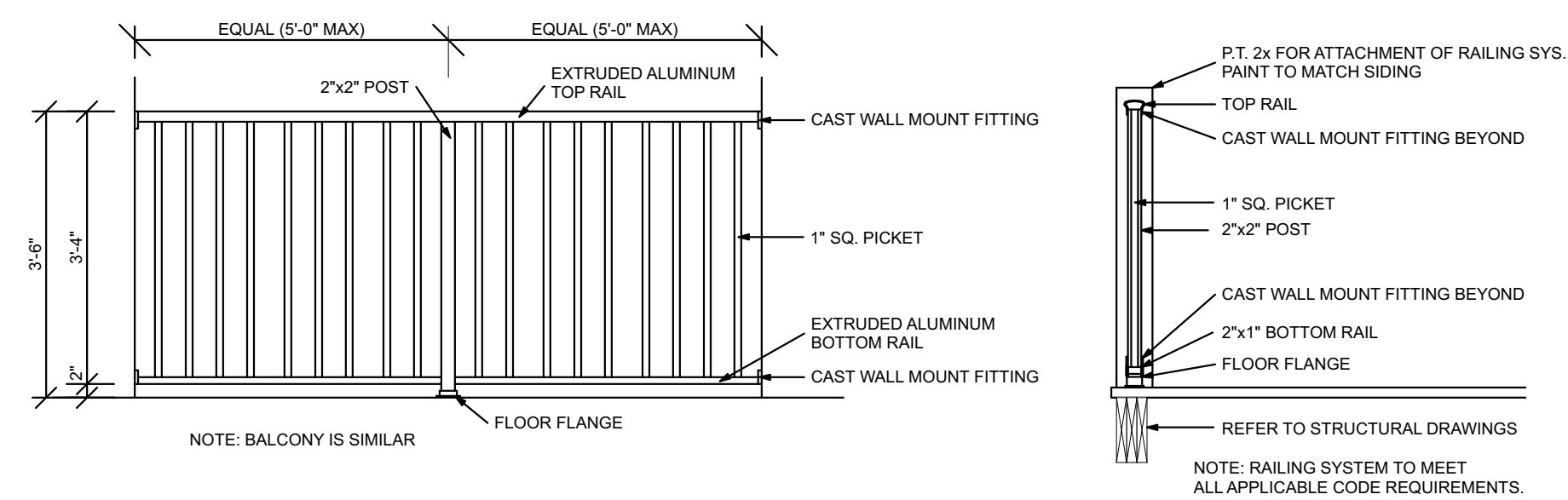
Detail @ Stair Railing

Scale: 1/2"=1'

Detail @ Stair Tread

Scale: 1"=1'

NOTE: ALL RAILINGS (STAIR, LANDING, BALCONY) TO BE EXTRUDED ALUMINUM. FASTENERS PER MANUFACTURER.



Detail @ Landing Railing

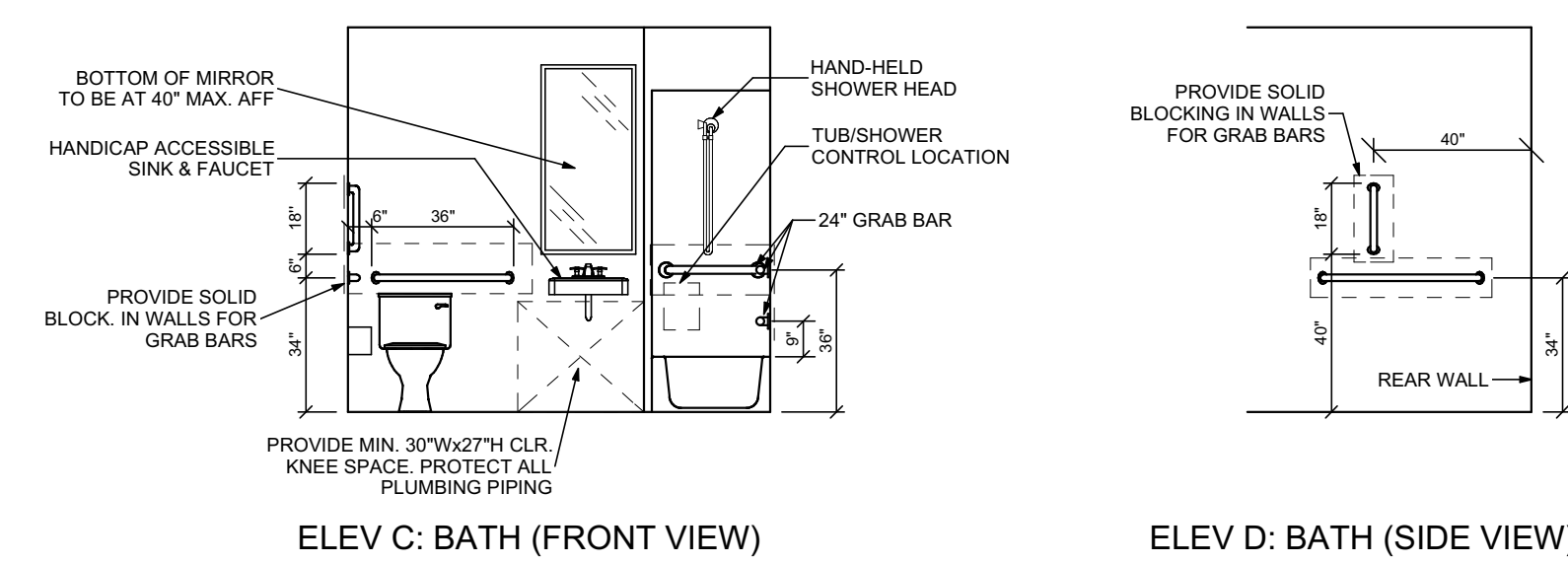
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2
A-5

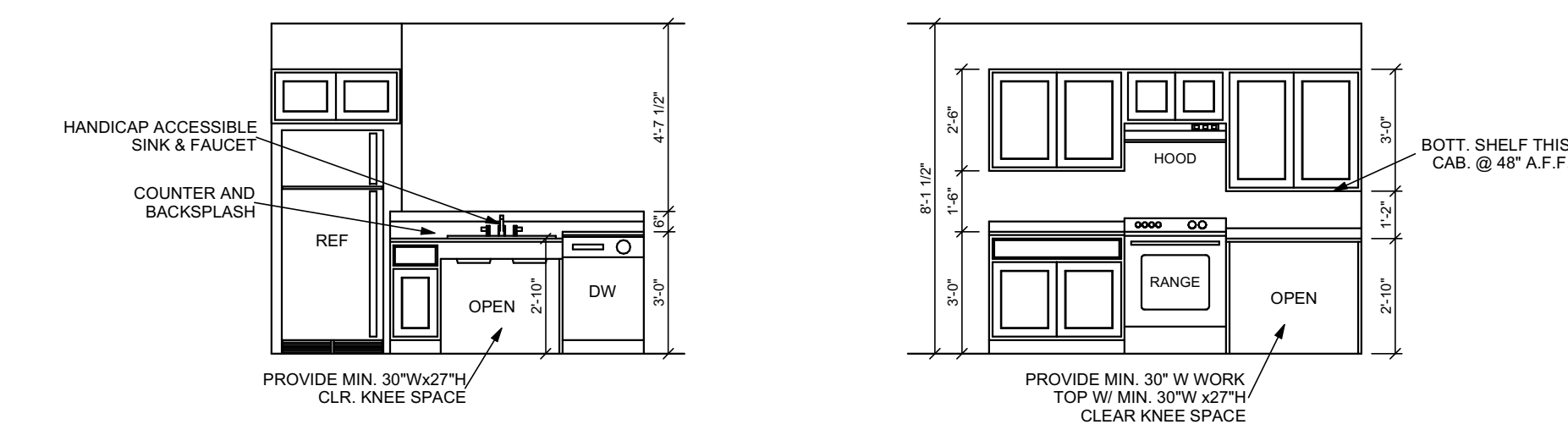
Right Side Elevation

Scale: 3/16"=1'



ELEV C: BATH (FRONT VIEW)

ELEV D: BATH (SIDE VIEW)



ELEV A: KITCHEN

ELEV B: KITCHEN

ALL PLUMBING PIPING BELOW SINK TO BE PROTECTED AND SATISFY ALL HANDICAP ACCESSIBILITY REQUIREMENTS

ALL APPLIANCES TO BE HANDICAP ACCESSIBLE. ALL APPLIANCE CONTROLS TO SATISFY ALL HANDICAP ACCESSIBILITY REQUIREMENTS

Kitchen / Bath Elevs @ 3 Bdrm Type A Unit

3
A-5

Scale: 1/4"=1'-0"



1
A-5

Left Side Elevation

Scale: 3/16"=1'

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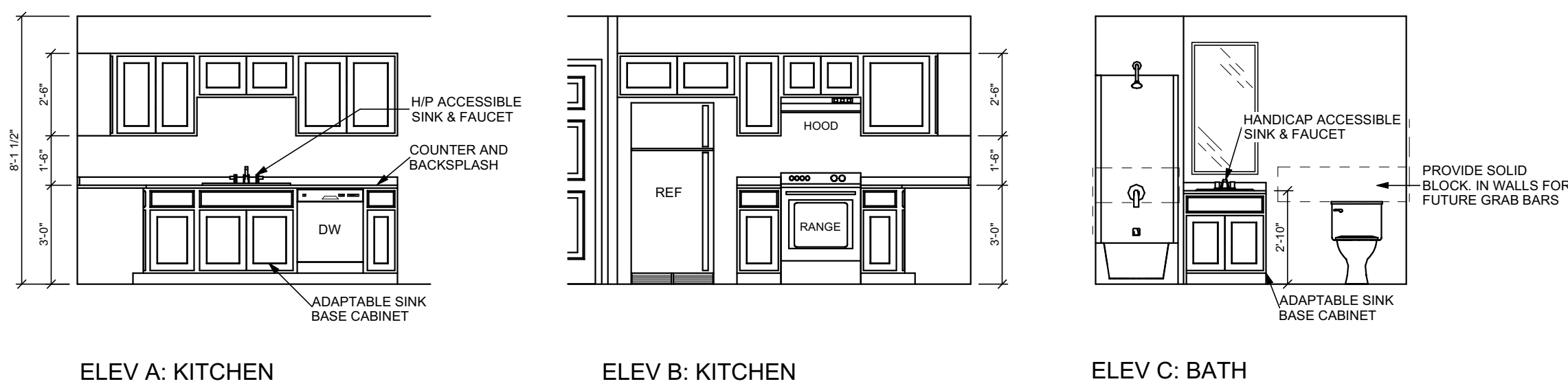
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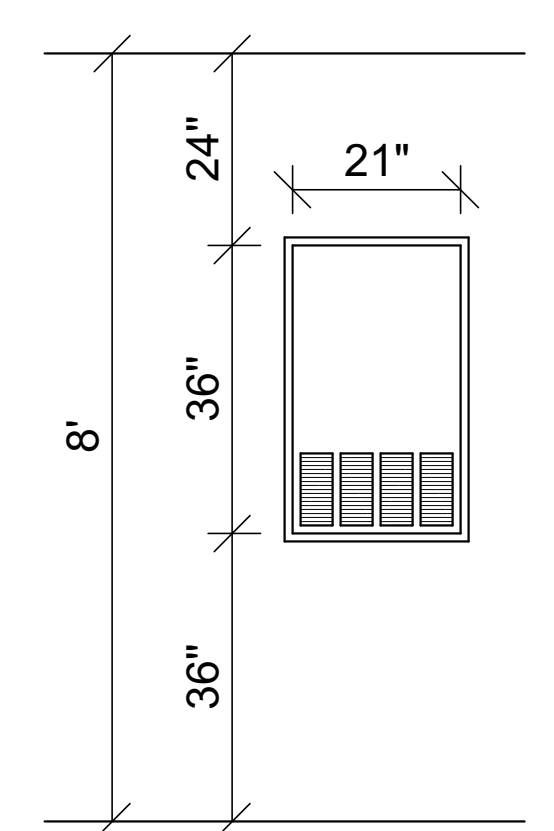
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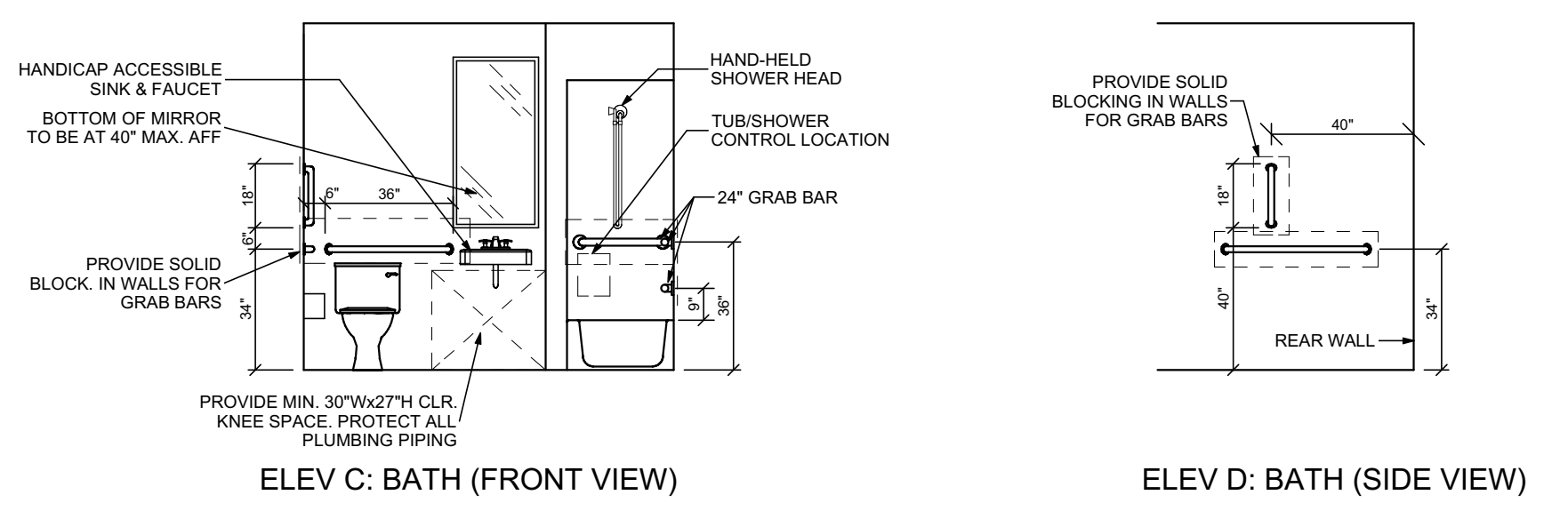
4 Kitchen / Bath Elevs @ 2 Bdrm Type B Unit
Scale: 1/4"=1'-0"



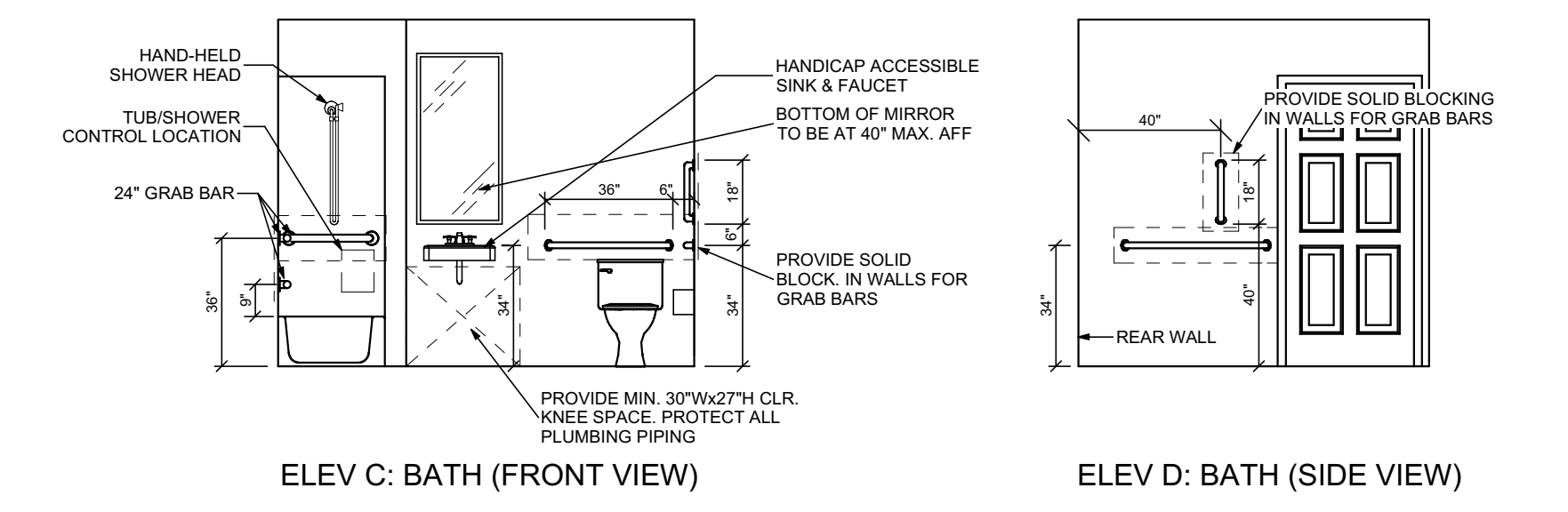
5 Kitchen / Bath Elevs @ 1 Bdrm Type B Unit
Scale: 1/4"=1'-0"



6 HVAC Return Detail
Scale: 1/2"=1'-0"



3 Kitchen / Bath Elevs @ 1 Bdrm Type A Unit
Scale: 1/4"=1'-0"

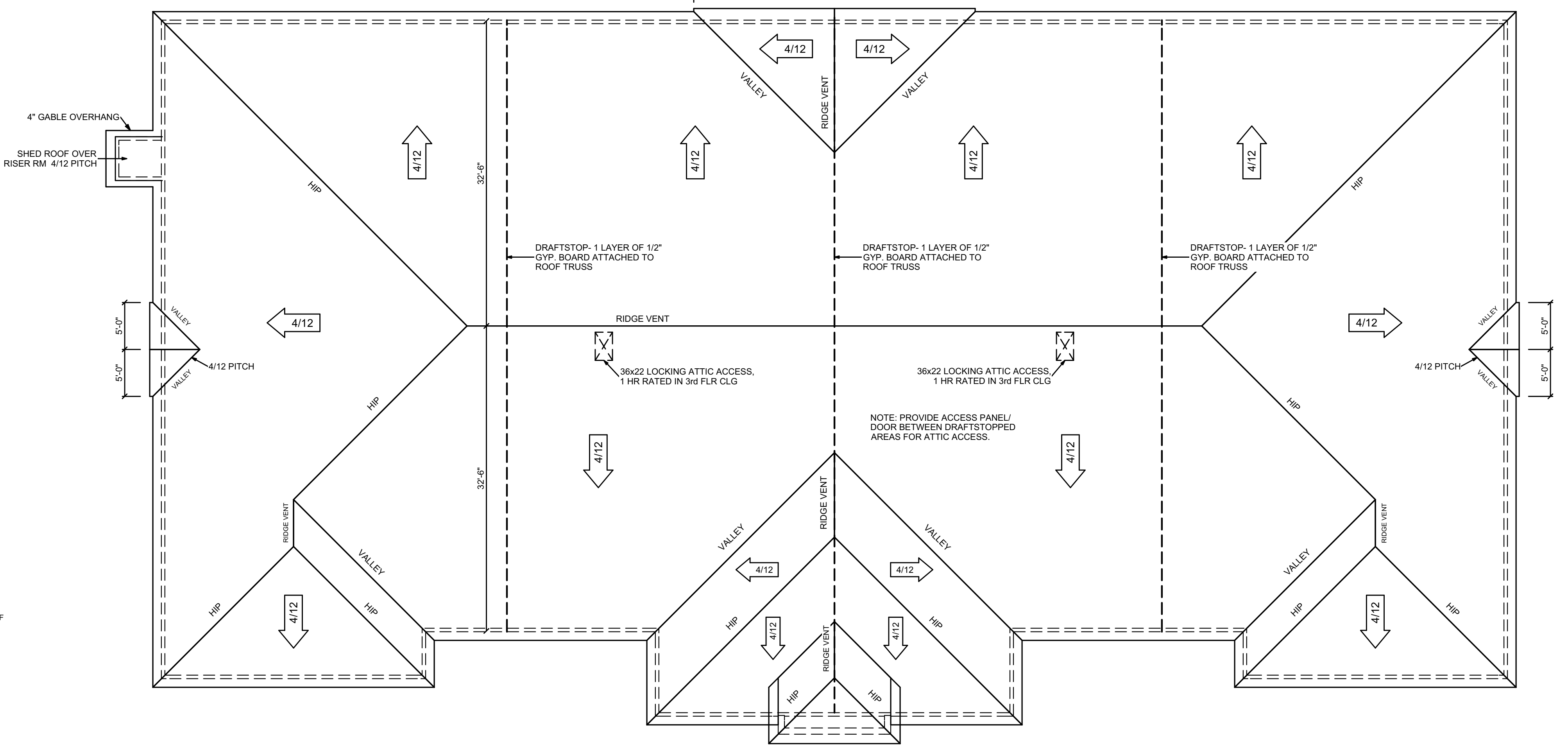


2 Kitchen / Bath Elevs @ 2 Bdrm Type A Unit
Scale: 1/4"=1'-0"

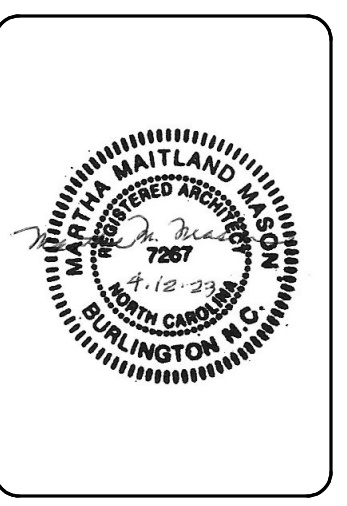
- General Roof Notes:**
- 1) ALL OVERHANGS TO BE 12" UNO.
 - 2) ALL ROOF PITCHES TO BE 4/12.
 - 3) PROVIDE DRAFTSTOP IN ATTIC SO THAT ATTIC IS DIVIDED INTO AREAS NO GREATER THAN 3000 SF. DRAFTSTOP TO BE 1 LAYER OF 1/2" GYP BOARD ATTACHED TO ROOF TRUSS.
 - 4) ALL TRUSSES TO BE DESIGNED & ENGINEERED BY THE MANUFACTURER.
 - 5) PROVIDE ACCESS PANEL/DOOR BETWEEN DRAFTSTOPPED AREAS FOR ATTIC ACCESS.
 - 6) DESIGN LOAD: 120 MPH ULTIMATE DESIGN WIND SPEED.

Attic Vent Calculations

ATTIC AREA = 9826 SQ FT / 300	
= 32.75 SQ FT VENTILATION REQD	
TYPICAL VENTILATION VALUES	
RIDGE VENT = .12 SQ FT/FT x 103 FT = 12.36 SQ FT	
SOFFIT VENT = .07 SQ FT/FT x 462 FT = 32.34 SQ FT	
TOTAL ATTIC VENT AREA PER PLANS = 44.7 SQ FT	



1 Roof Plan
Scale: 1/8"=1'



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Scale:
AS NOTED

Sheet No:
A-6

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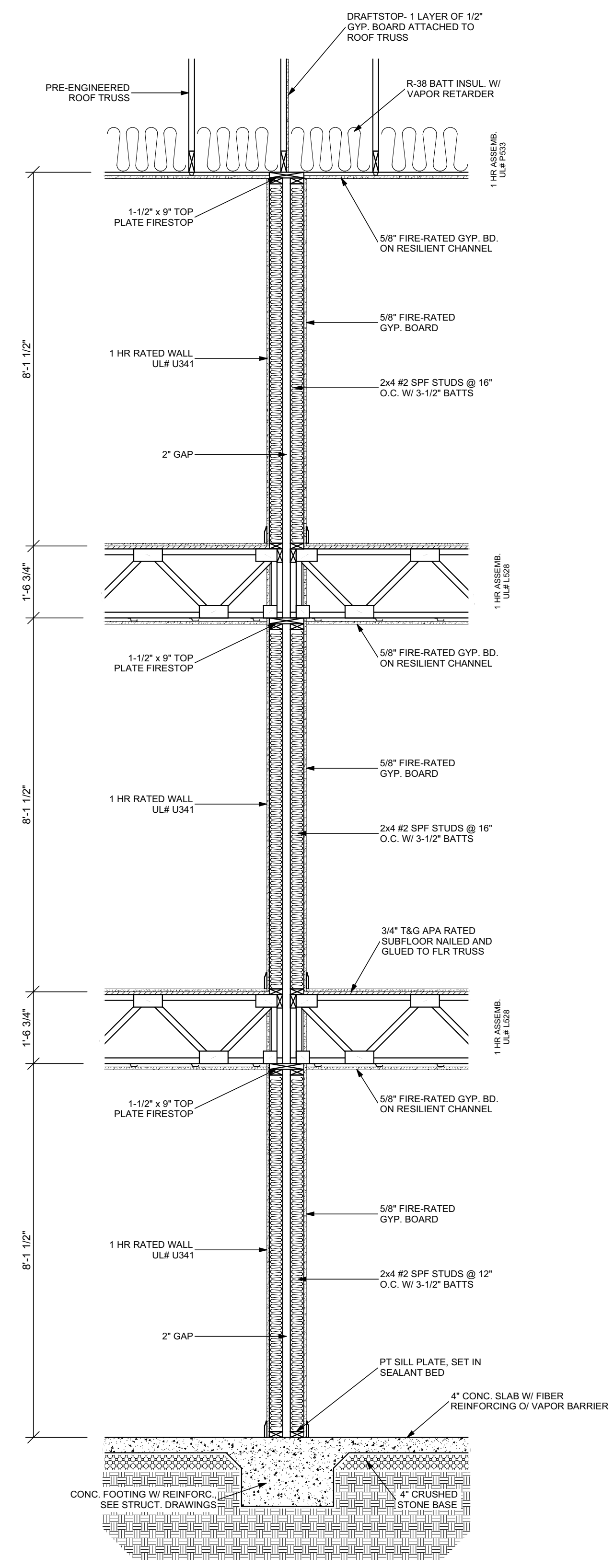
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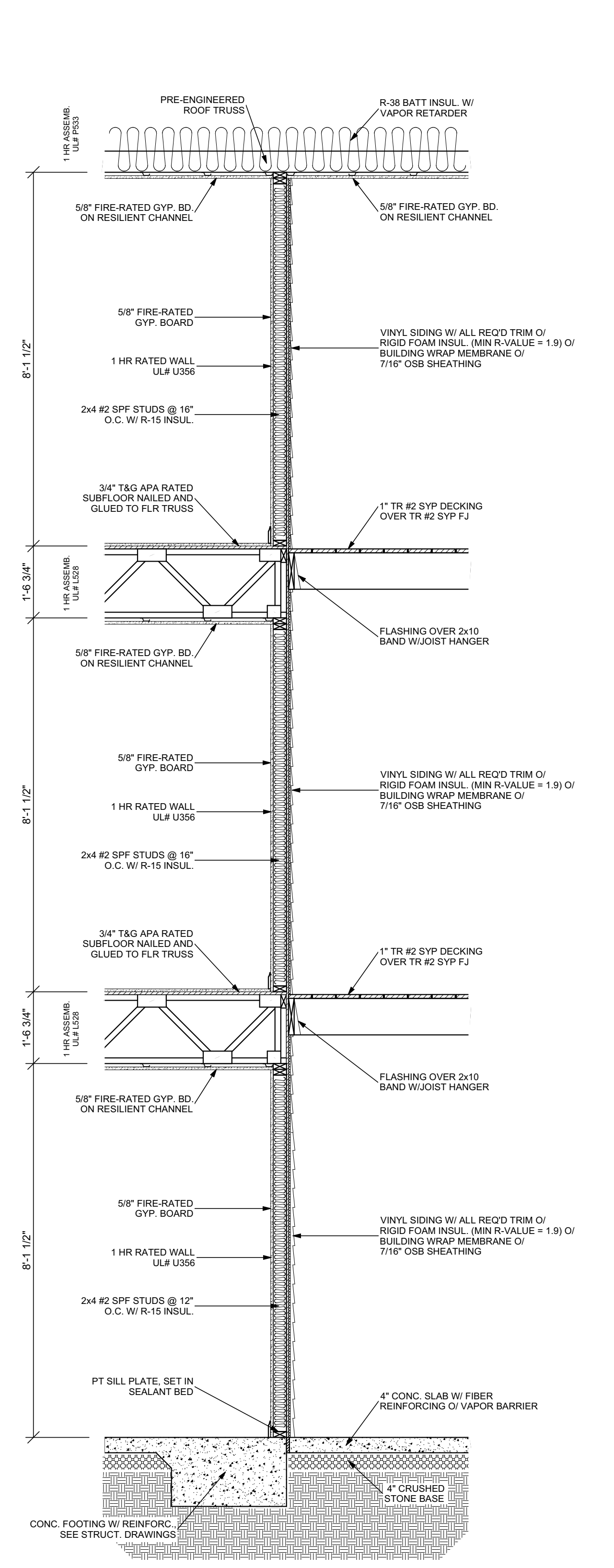
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Scale:
 1/2"=1'

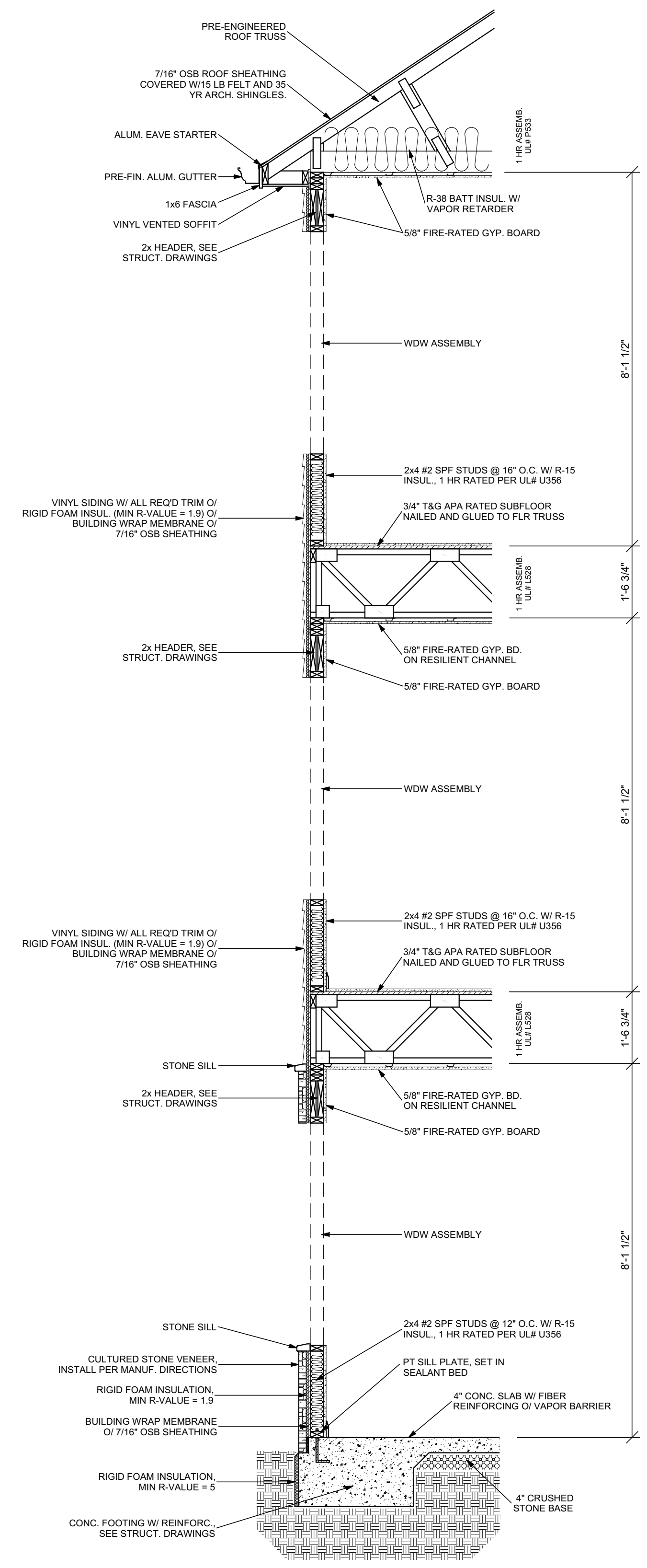
Sheet No:
A-7



3 Tenant Separation Wall Section
 Scale: 1/2"=1'-0"



2 Wall Section @ Corridor
 Scale: 1/2"=1'-0"



1 Wall Section @ Exterior Wall
 Scale: 1/2"=1'-0"



Revisions:	Date	Remarks

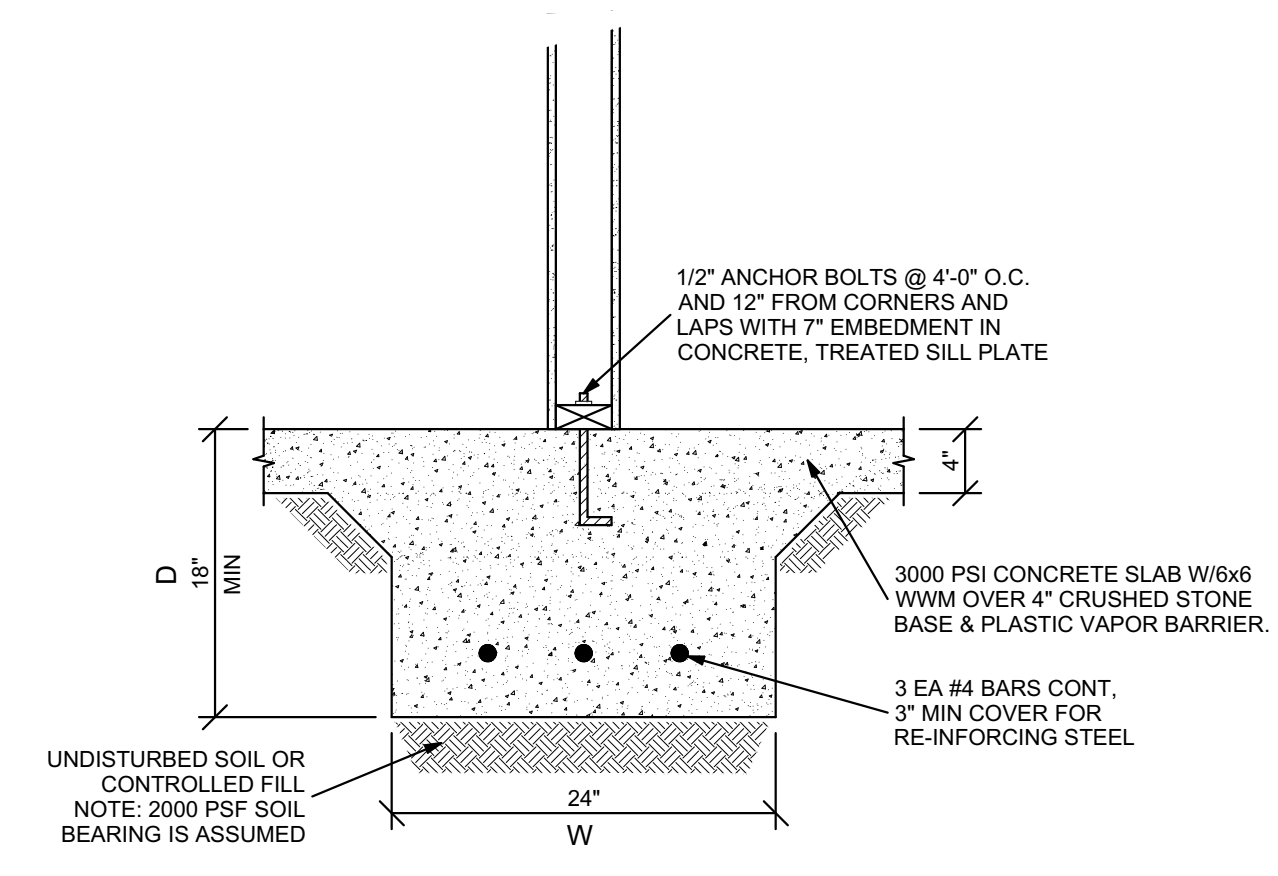
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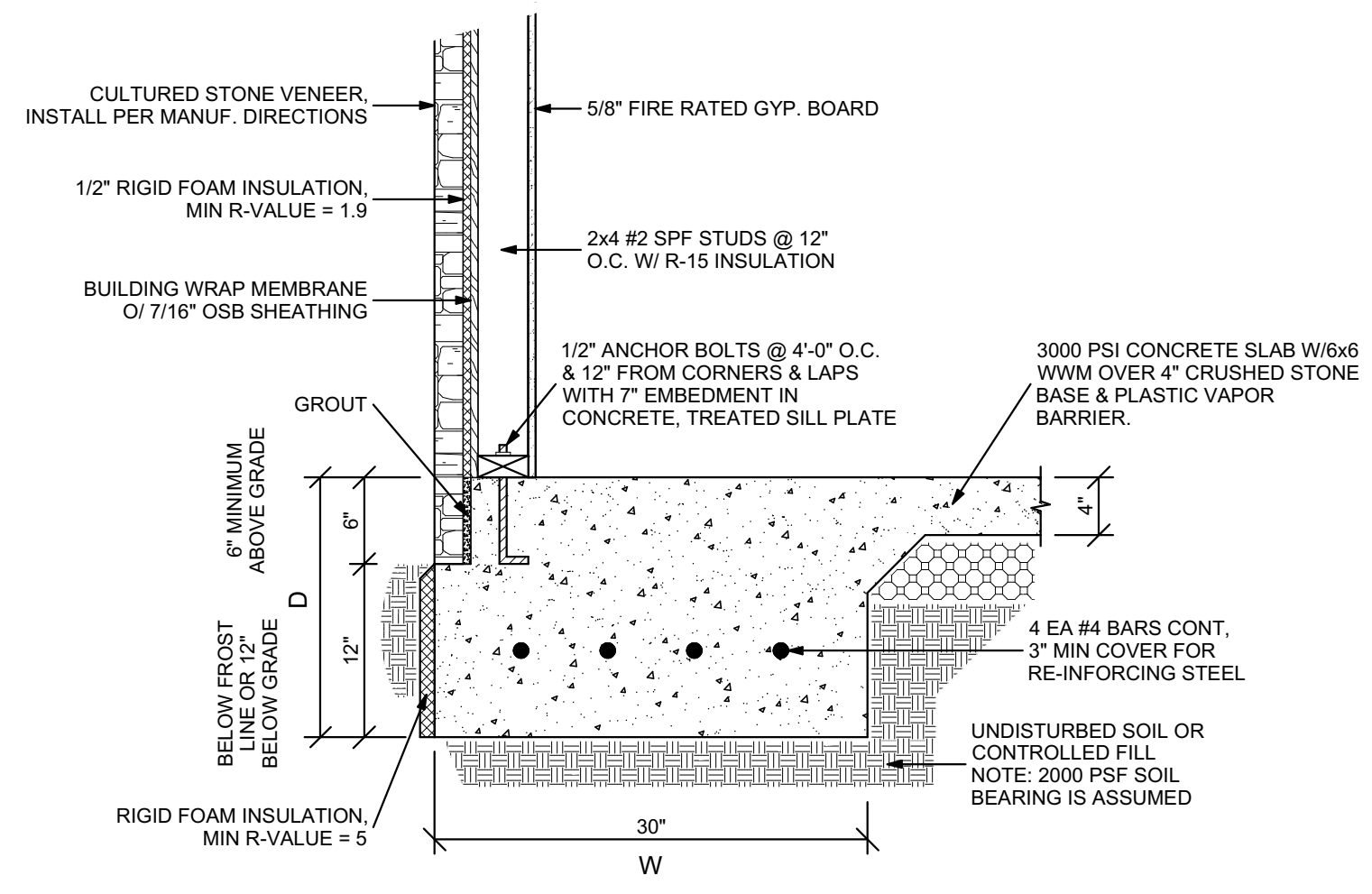
Sheet No:
S-1

Structural Notes:

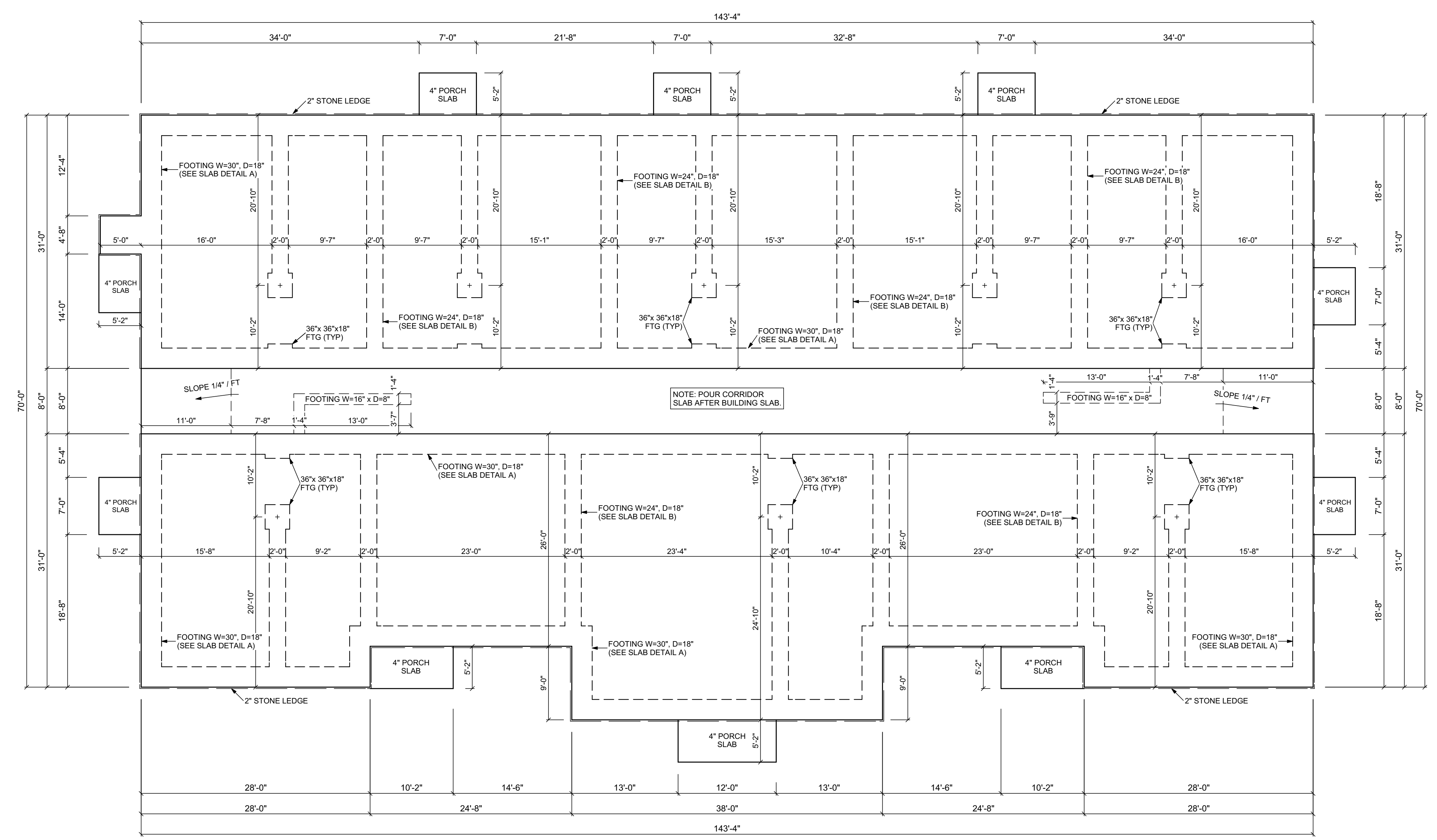
- 1) PERIMETER WALL FOOTINGS TO BE 30"x18" CONC CONC MIN W/ 4 EA #4 BARS. INTERIOR FTGS TO BE 24"x18" CONC W/ 3 EA #4 BARS.
- 2) 2000 PSF SOIL BEARING ASSUMED. 3000 PSI CONC ASSUMED.
- 3) PROVIDE 1/2" ANCHOR BOLTS AT 48" OC (7" MIN EMBEDMENT) AND 12" FROM CORNERS AND LAPS.
- 4) AT EACH EXTERIOR CORNER, A SIMPSON PA51 OR EQUIV STEEL TIE-DOWN IS REQUIRED.
- 5) 1st FLOOR LOAD-BEARING WALLS TO BE FRAMED WITH 2x4 #2 SPF STUDS @ 12" OC. 2nd & 3rd FLOOR WALLS TO BE @ 16" OC.
- 6) 2nd & 3rd FLOOR CORRIDOR FRAMING TO BE 2x10 #2 TREATED SYP FJ @ 16" OC. TRIPLE FRAME AROUND STAIR OPENINGS.
- 7) DIMENSIONS ARE TO THE OUTSIDE OF THE WALL FRAMING. STONE LEDGE IS 2" BEYOND EDGE OF FRAMING.



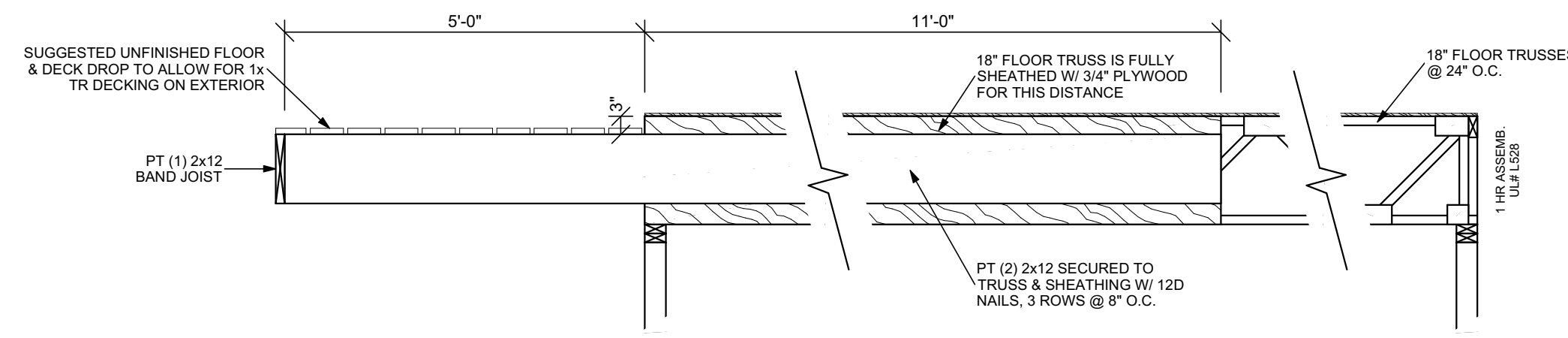
Slab Detail B
 (INTERIOR WALLS)
 Scale: 1" = 1'



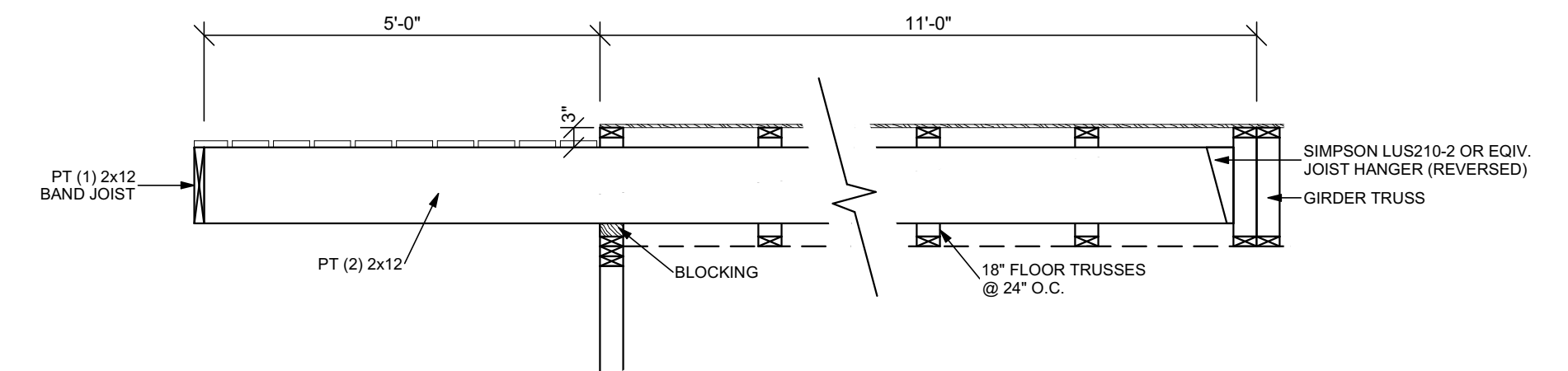
Slab Detail A
 (EXTERIOR WALLS)
 Scale: 1" = 1'



1
S-1
Slab / Fnd Plan
 Scale: 1/8"=1'



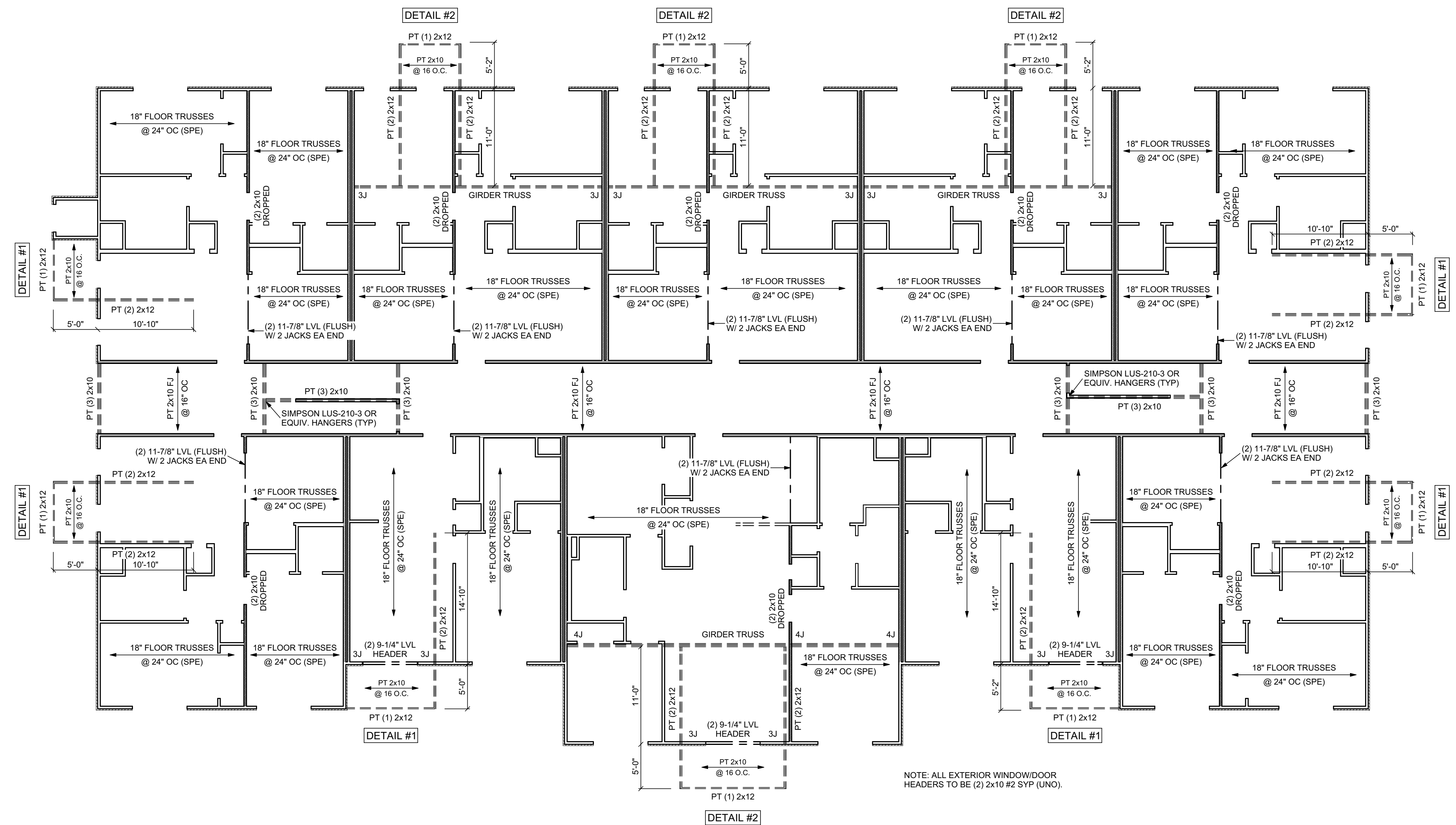
2
S-2
Cantilever Detail #1
Scale: 1/2"=1'-0"



3
S-2
Cantilever Detail #2
Scale: 1/2"=1'-0"

NOTE: CONTRACTOR WILL HAVE TO COORDINATE W/ FRAMERS NOT TO SHEATH IN THIS LOCATION UNTIL AFTER CONSTRUCTION OF CANTILEVERS.

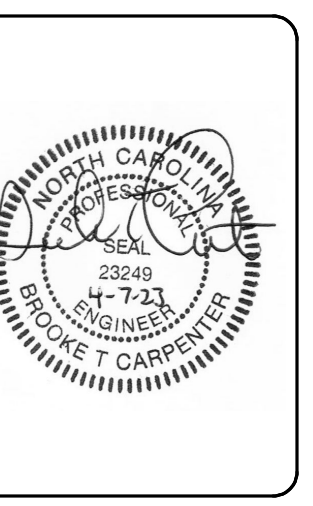
- Structural Notes:**
- 1) ALL FLOOR TRUSSES TO BE 18" HT. ENGINEER PER MANUFACTURER.
 - 2) ALL LOAD BEARING WINDOW/DOOR HEADERS TO BE (2) 2x10 #2 SYP UNO.
 - 3) 2nd & 3rd FLOOR WALLS TO BE FRAMED WITH 2x4 #2 SPF STUDS @ 16" OC.
 - 4) 2nd & 3rd FLOOR CORRIDOR FRAMING TO BE 2x10 #2 TREATED SYP FJ @ 16" OC. TRIPLE FRAME AROUND STAIR OPENINGS.
 - 5) LVL BEAMS SUPPLIED TO BE OF 1.9 E-VALUE OR GREATER.
 - 6) ALL DIMENSIONAL BEAMS AND FLOOR JOISTS TO BE #2 SYP UNO.
 - 7) ALL JACK STUD SUPPORTS TO BE DUPLICATED ON ALL FRAMING LEVELS BELOW UNTIL LOAD IS TRANSFERRED TO THE FOUNDATION SLAB.
 - 8) BOLT DECK BAND AND CORRIDOR BAND USING 5/8" HD GALV. THRU BOLTS @ 24" OC.
 - 9) ATTACH DECK AND CORRIDOR FJS USING SIMPSON LUS-210 JOIST HANGERS OR EQUIV.
 - 10) PROVIDE 7/16" OSB STRUCTURAL SHEATHING ON ALL EXTERIOR WALLS.



1
S-2
2nd & 3rd Floor Structural Plan
Scale: 1/8"=1'

NOTE: ALL EXTERIOR WINDOW/DOOR HEADERS TO BE (2) 2x10 #2 SYP (UNO).

Structural Engineering By:
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PO Box 651, Elon, NC 27244
(336) 336-3800
email: bcarp89@pol.com
NC Lic. # 23249
Engineers seal is for structural only.



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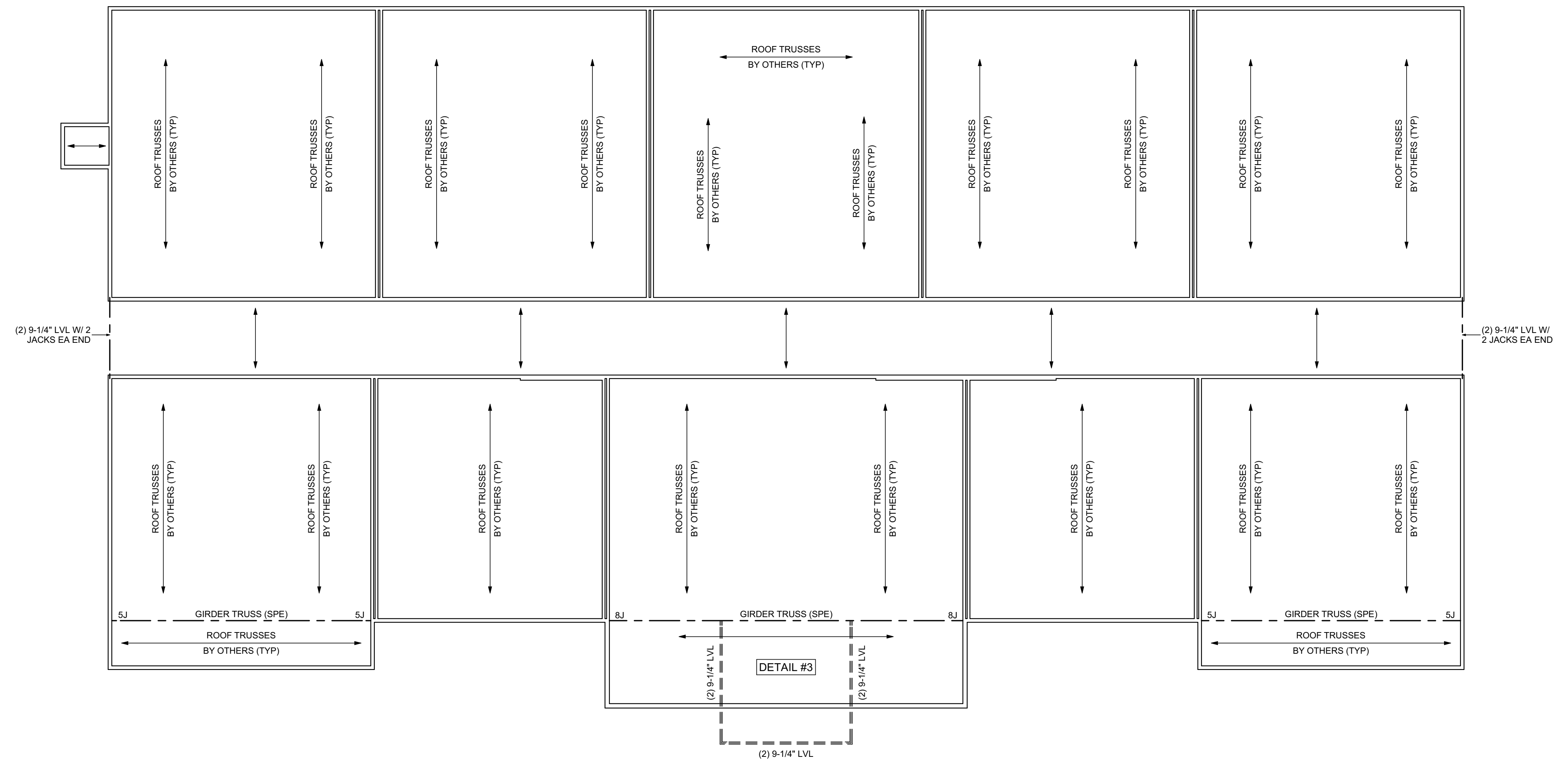
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AS NOTED

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S-2

Structural Notes:

- 1) LVL BEAMS SUPPLIED TO BE OF 1.9 E-VALUE OR GREATER.
- 2) ALL JACK STUD SUPPORTS TO BE DUPLICATED ON ALL FRAMING LEVELS BELOW UNTIL LOAD IS TRANSFERRED TO THE FOUNDATION SLAB.
- 3) ROOF TRUSSES TO BE SECURED AT EXTERIOR WALLS BY SIMPSON H1 OR EQUIVALENT HURRICANE TIES AT EACH TRUSS TO BEARING WALL CONNECTION.

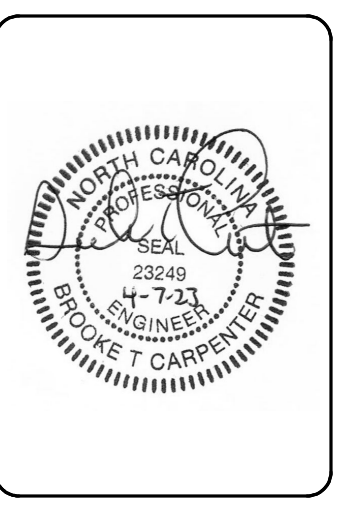


1
S-3 **Ceiling Structural Plan**
Scale: 1/8"=1'

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Drawn By: JTB
Checked By: GWF
Date: 4/12/23
File: D&G Legacy Haw River V2

Revisions:	Date	Remarks

Project:
Legacy @ Haw River
Version 2
Burlington, NC
DeBoer & Gabriel
Builders, Inc
6 Apt Buildings
1 Clubhouse

Scale:
1/8"=1'

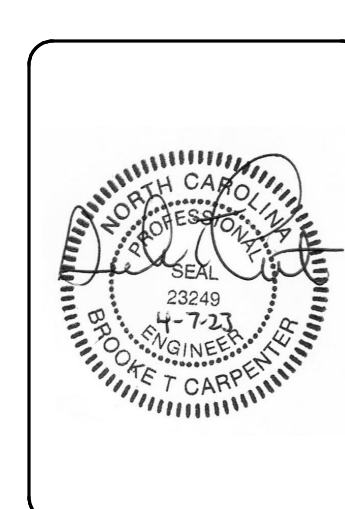
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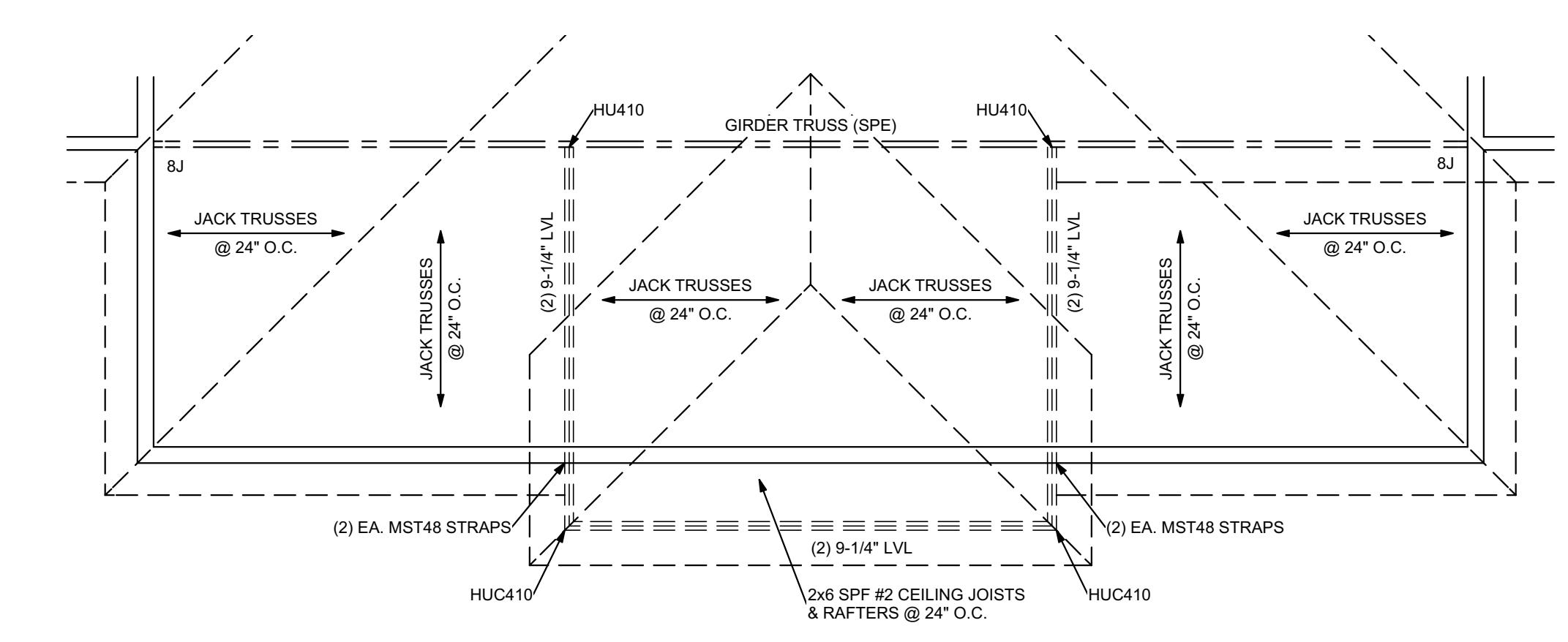
Revisions:	Date	Remarks

Project:
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 6 Apt Buildings
 1 Clubhouse

Scale:
 AS NOTED

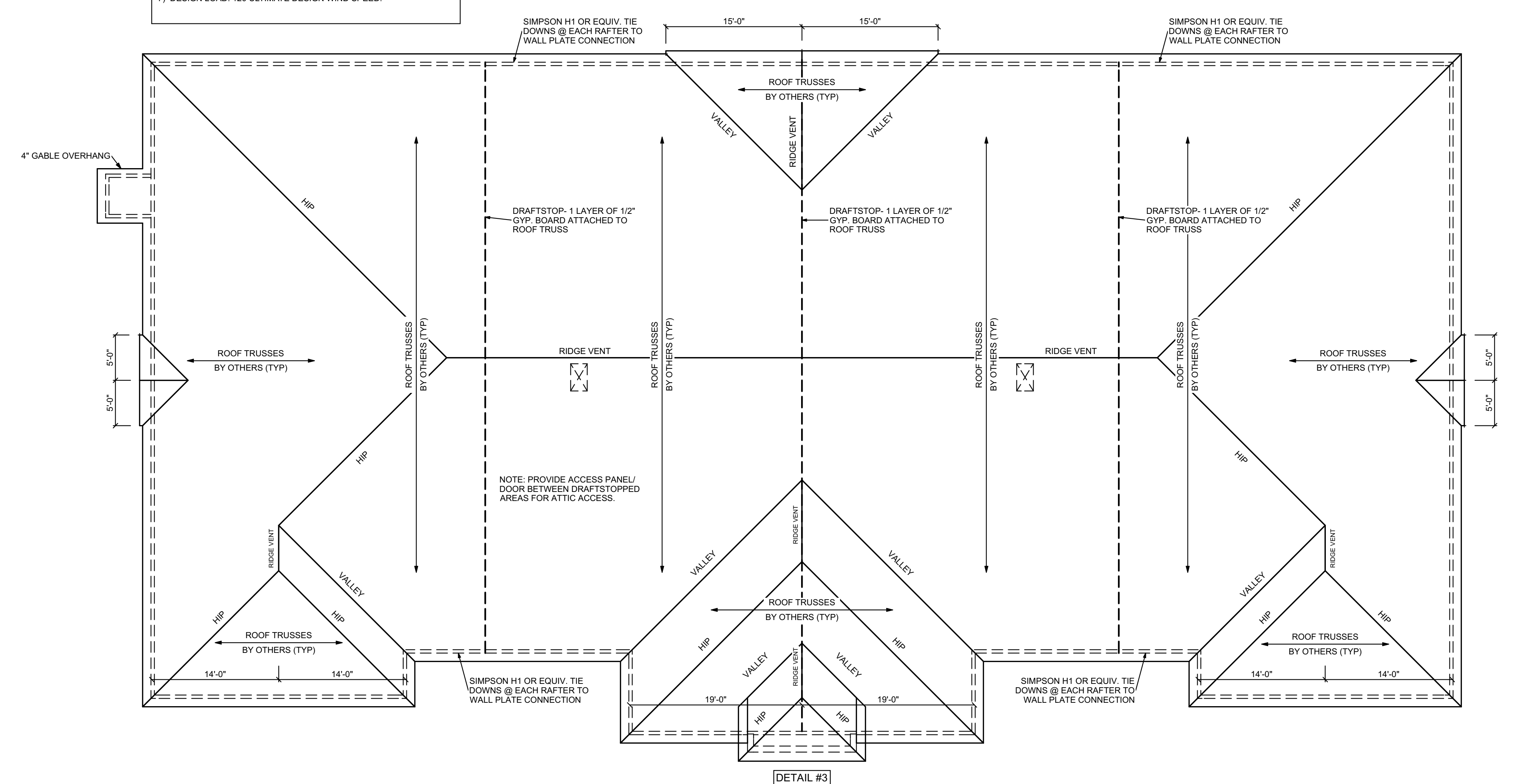
Sheet No:
S-4

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2
S-4
Girder Truss Detail #3
 Scale: 1/4"=1'-0"

- Structural Roof Notes:**
- 1) ALL OVERHANGS TO BE 12" UNO.
 - 2) PROVIDE DRAFTSTOP IN ATTIC SO THAT ATTIC IS DIVIDED INTO AREAS NO GREATER THAN 3000 SF. DRAFTSTOP TO BE 1 LAYER OF 1/2" GYP. BOARD ATTACHED TO ROOF TRUSS.
 - 3) ALL TRUSSES TO BE DESIGNED AND ENGINEERED BY THE MANUFACTURER.
 - 4) SECURE GIRDER TRUSSES TO WALL W/ CONNECTORS SPECIFIED BY ROOF TRUSS DESIGNER.
 - 5) USE SIMPSON H1 OR EQUIV. TIE DOWNS @ EACH RAFTER TO WALL PLATE CONNECTION.
 - 6) PROVIDE ACCESS PANEL/DOOR BETWEEN DRAFTSTOPPED AREAS FOR ATTIC ACCESS.
 - 7) DESIGN LOAD: 120' ULTIMATE DESIGN WIND SPEED.



1
S-4
Roof Framing Plan
 Scale: 1/8"=1'