



PLAN FOR:

LEGACY @ HAW RIVER APARTMENTS: V1

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



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Drawn By: JTB
 Checked By: GWF
 Date: 4/12/23
 File: D&G Legacy Haw River V1

Revisions:	Date	Remarks

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

Scale:
 N.T.S.

Sheet No:
CS-1

Proposed Apartments for: Legacy @ Haw River Apartments V1

Legacy River Trail Burlington, NC 27217

2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (Except 1 and 2 Family Dwellings and Townhouses)

Name of Project: Legacy @ Haw River Apartments
 Address: Legacy River Trail Burlington, NC 27217
 Proposed Use: Residential (R-2)
 Owner/Authorized Agent: Jason DeBoer (336) 516-0048
 Owned By: Private
 Code Enforcement Jurisdiction: Alamance County Inspections

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE#	EMAIL
Architectural	MM Mason, AIA	Martha M. Mason	7267	(336) 684-1021	
Plumbing	Hollenman Corp.	Tim Hollenman	20172	(336) 337-6334	
Mechanical	Hollenman Corp.	Tim Hollenman	20172	(336) 337-6334	
Electrical	Hollenman Corp.	Tim Hollenman	20172	(336) 337-6334	
Structural	Resid. Eng. Solutions	Brooke Carpenter	23249	(336) 380-5847	
Sprinkler	By Sprinkler Contractor				
Fire Alarm	Hollenman Corp.	Tim Hollenman	20172	(336) 337-6334	
Civil					
Retaining Walls (if High)					
Other					

2018 NC BUILDING CODE: New Building Addition Renovation 1st Time Interior Completion
 EXISTING: Prescriptive Repair Chapter 14 Alteration Level I II III
 Historic Property Change of Use
 CONSTRUCTED: N/A CURRENT OCCUPANCY(S) (Ch.3): N/A
 RENOVATED: N/A PROPOSED OCCUPANCY(S) (Ch.3): R-2
 RISK CATEGORY (Table 1604.5): Current: N/A Proposed: II

BASIC BUILDING DATA

Construction Type: I-A I-A II-A IV V-A
 II-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary) Flood Hazard Area: No Yes
 Special Inspections Req: No Yes
 Gross Building Area:
 Floor Existing (Sq. Ft.) New (Sq. Ft.) Sub-Total
 6th Floor
 5th Floor
 4th Floor
 3rd Floor 0 9836 9836
 2nd Floor 0 9962 9962
 Mezzanine
 1st Floor 0 9962 9962
 Basement
 Total 0 29760 29760

ALLOWABLE AREA

Primary Occupancy:
 Assembly A-1 A-2 A-3 A-4 A-5
 Business B-1 B-2 B-3 B-4 B-5
 Educational E-1 E-2 E-3 E-4 E-5
 Factory F-1 Moderate F-2 Low H-3 Combust H-4 Health H-5 HPM
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 I-2 I-3 I-4 I-5
 Condition I-1 I-2 I-3 I-4 I-5
 Mercantile M-1 M-2 M-3 M-4 M-5
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-Piled
 Park, Garage Open Enclosed Repair Garage
 Utility and Miscellaneous U-1 U-2 U-3 U-4 U-5

Accessory Occupancies:

Assembly A-1 A-2 A-3 A-4 A-5
 Business B-1 B-2 B-3 B-4 B-5
 Educational E-1 E-2 E-3 E-4 E-5
 Factory F-1 Moderate F-2 Low H-3 Combust H-4 Health H-5 HPM
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 I-2 I-3 I-4 I-5
 Condition I-1 I-2 I-3 I-4 I-5
 Mercantile M-1 M-2 M-3 M-4 M-5
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-Piled
 Park, Garage Open Enclosed Repair Garage
 Utility and Miscellaneous U-1 U-2 U-3 U-4 U-5

Incidental Uses (table 509):

Furnace room where any piece of equipment is over 400,000 Btu per hour input
 Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
 Refrigerant machine room
 Hydrogen cutoff rooms, not classified as Group H
 Incinerator rooms
 Paint shops, not classified as Group H, located in occupancies other than Group F
 Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
 Laundry rooms over 100 square feet
 Group I-3 cells equipped with padded surfaces
 Group I-2 waste and linen collection rooms
 Waste and linen collection rooms over 100 square feet
 Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
 Rooms containing fire pumps
 Group I-2 storage rooms over 100 square feet
 Group I-2 commercial kitchens
 Group I-2 laundries equal to or less than 100 square feet
 Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416
 417 418 419 420 421 422 423 424 425 426 427 428 429 430

Special Provisions: 510.2 510.3 510.4 510.5 510.6 510.7 510.8 510.9

Mixed Occupancy: No Yes Separation: N/A_Hr. Exception: _____

Incidental Use Separation (509.2)
 This separation is not exempt as a Non-Separated Use (see exceptions).

Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

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

Actual Area of Occupancy A + Allowable Area of Occupancy B ≤ 1.00
 Allowable Area of Occupancy A + Allowable Area of Occupancy B

Story No.	Desc. and Use	(A) Bldg Area		(B) Table 506.2 Area		(C) Area For Frontage Incr.		(D) Allowable Area Per Story or Unlimited
		Per Story (Actual)	466	7000	5250	12250		
1 & 2	R-2	9962	466	7000	5250	12250		
3	R-2	9836	466	7000	5250	12250		

- Frontage area increases from Section 506.3 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = 466 (F)
 b. Total Building Perimeter = 466 (P)
 c. Ratio (F/P) = 1 (F/P)
 d. W = Minimum width of public way = 30 (W)
 e. Percent of frontage increase If = $100 \left[\frac{F/P - 0.25}{W/30} \right] = 75 (%)$
 2. Unlimited area applicable under conditions of Section 507.
 3. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
 4. The maximum area of open parking garages must comply with Table 406.5.4.
 5. Frontage increase is based on the unspinklered area value in Table 506.2.

Building Height in Feet	ALLOWABLE HEIGHT		Code Reference
	Allowable	Shown on Plans	
Building Height in Feet	<u>60</u>	<u>47</u>	Table 504.3
Building Height in Stories	<u>3</u>	<u>3</u>	Table 504.4

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	Fire Separation Distance (Feet)	Rating		Detail # and Sheet #	Design # for Rated Assembly	Sheet # for Rated Penetration	Sheet # for Rated Joints
		Req'd	Provided (w/Reduction)				
Structural Frame, including columns, girders, & trusses							
Bearing Walls Exterior							
North	> 10	0	1	1/A7	UL#U356		
East	> 10	0	1	1/A7	UL#U356		
West	> 10	0	1	1/A7	UL#U356		
South	> 10	0	1	1/A7	UL#U356		
Interior		0	1	3/A7	UL#U333		
Non-Bearing Walls & Partitions Exterior							
North	> 10	0	0				
East	> 10	0	0				
West	> 10	0	0				
South	> 10	0	0				
Interior walls & partitions							
Floor Construction Includ. supporting beams and joists:							
Floor Ceiling Assembly		1	1	1/A7	UL#L528		
Columns Supporting Floors		N/A	N/A				
Roof Construction Includ. supporting beams and joists:							
Roof Ceiling Assembly		1	1	1/A7	UL#P533		
Columns Supporting Roof		N/A	N/A				
Shaft Enclosures-Exit		1	1	2/A7	UL#U356		
Shaft Enclosures-Other		N/A	N/A				
Corridor Separation		1	1	2/A7	UL#U356		
Occupancy/Fire Barrier Separation		N/A	N/A				
Party/Firewall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Smoke Partition		N/A	N/A				
Tenant/Dwelling Unit/ Sleeping Unit Sep.		1	1	3/A7	UL#U341		
Incidental Use Separation		N/A	N/A				

Fire Separation Distance (Feet) From Property Lines	Degree of Openings Protection (Table 705.8)	Allowable Area %	Actual Shown on Plans %
30' OR GREATER	UP, S	NO LIMIT	N/A

LIFE SAFETY SYSTEM REQUIREMENTS:

Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial
 Carbon Monoxide Detection: No Yes

LIFE SAFETY PLAN REQUIREMENTS:

Life Safety Plan Sheet #: A-3
 Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations (if not on the site plan)
 Exterior wall opening area with respect to distance to assumed property lines (705.8)
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
 Occupant loads for each area
 Exit access travel distances (1010.7)
 Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
 Dead end lengths (1020.4)
 Clear exit widths for each exit door
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of:
 occupancy separation
 Location of doors with panic hardware (1010.1.10)
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
 Location of doors with electromagnetic egress locks (1010.1.9.9)
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1030)
 The square footage of each fire area (202)
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
 Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS:

Total Units	Accessible Units Required	Accessible Units Provided	Type A Units				Total Accessible Units Provided
			Required	Provided	Type B Units Required	Type B Units Provided	
180	51	60	9	18	42	42	60

ACCESSIBLE PARKING:

Lot or Parking Area	Total # of Parking Spaces		# of Accessible Spaces Provided			Total # Accessible Spaces Provided
	Required	Provided	Regular w/ 5' Access Aisle	132" Access Aisle	8' Access Aisle	
Total			(N/A: See Site Plan by Others)			

PLUMBING FIXTURE REQUIREMENTS

USE	WATERCLOSETS			URINALS			LAVATORIES			SHOWERS/TUBS	DRINKING FOUNTAIN	
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX		REG.	ACC.
EXISTING	0	0	0	0	0	0	0	0	0	0	0	
NEW	1	1	1	0	0	0	1	1	1	N/A	N/A	
REQUIRED	1	1	1	0	0	0	1	1	1	N/A	N/A	

SPECIAL APPROVALS
 Special Approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
N/A

SEE STRUCTURAL DRAWINGS

STRUCTURAL DESIGN:
 DESIGN LOADS:
 Importance Factors:
 Snow: (Is) 0.8 (I) 1.1 1.2
 Seismic: (Ie) 0.9 (I) 1.25 1.5
 Live Loads:
 Mezzanine: N/A
 Roof: 20 psf
 Floor: 100 psf (for Corridors), 40 psf (for living spaces)
 Ground Snow Load: 15 psf
 Wind Loads: Ultimate Design Wind Speed: 120 mph (ASCE-7)
 Exposure Category B C D

SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters:
 Risk Category (Table 1604.5) I II III IV
 Spectral Response Acceleration Ss .13 %g .13% S1 .063 %g .63
 Site Classification (ASCE-7) A B C D E F

Basic structural system (check one):

Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic

Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:

Field Test Presumptive Bearing capacity 2000 psf
 File size, type, and capacity N/A

ELECTRICAL SUMMARY:

REFER TO ELECTRICAL PLANS BY OTHERS

MECHANICAL SUMMARY:

REFER TO MECHANICAL PLANS BY OTHERS

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: No Yes (the remainder of this section is not applicable)

Exempt Building: No Yes Provide code or statutory reference: N/A

Climate Zone: 3A 4A 5A

Method of Compliance:

Energy Code - Performance
 Energy Code - Prescriptive
 ASHRAE 90.1 - Performance
 ASHRAE 90.1 - Prescriptive
 Other - Performance COMcheck

COMcheck Software Version 4.1.5.1 Envelope Compliance Certificate

Project Information
 Energy Code: 90.1 (2010) Standard
 Project Title: Legacy @ Haw River Apartments
 Location: Burlington, North Carolina
 Climate Zone: 4a
 Project Type: New Construction
 Vertical Glazing / Wall Area: 11%

Construction Site: Overlaid Agent: Jason DeBoer Designer/Consultant: Martha M. Mason, AIA
 Legacy River Trail 27217 DeBoer & Gabriel Builders 336-684-1021

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Floor 1: Asile Floor with Wood Joist, (Bldg. Use 1 - Multifamily)	8858	38.0	0.0	0.027	0.027
Staircase Wall 1: Wood Frame, 19" c.c., (Bldg. Use 1 - Multifamily)	20718	15.0	1.9	0.088	0.084
Window 1: Vinyl Fiberglass Frame, Part. Type: Energy code default, Double Pane with Low-E, Tinted, SHGC 0.42, (Bldg. Use 1 - Multifamily)	1375	-	-	0.600	0.600
Door 1: Insulated Metal, Swinging, (Bldg. Use 1 - Multifamily)	600	-	-	0.350	0.700
Door 2: Glass > 50% glazing/Nonmetal Frame, Non-Entrance Door, Part. Type: Energy code default, Double Pane with Low-E, Tinted, SHGC 0.42, (Bldg. Use 1 - Multifamily)	390	-	-	0.800	0.400
Door 3: Glass > 50% glazing/Nonmetal Frame, Non-Entrance Door, Part. Type: Energy code default, Double Pane with Low-E, Tinted, SHGC 0.42, (Bldg. Use 1 - Multifamily)	400	-	-	0.800	0.400
Floor 1: Glass-Over-Glass/Uninsulated, Vertical 2 ft., (Bldg. Use 1 - Multifamily) (B)	741	-	-	0.580	0.840

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
 (b) Glass-Over-Glass proposed and budget U-factors shown in table use U-factors.

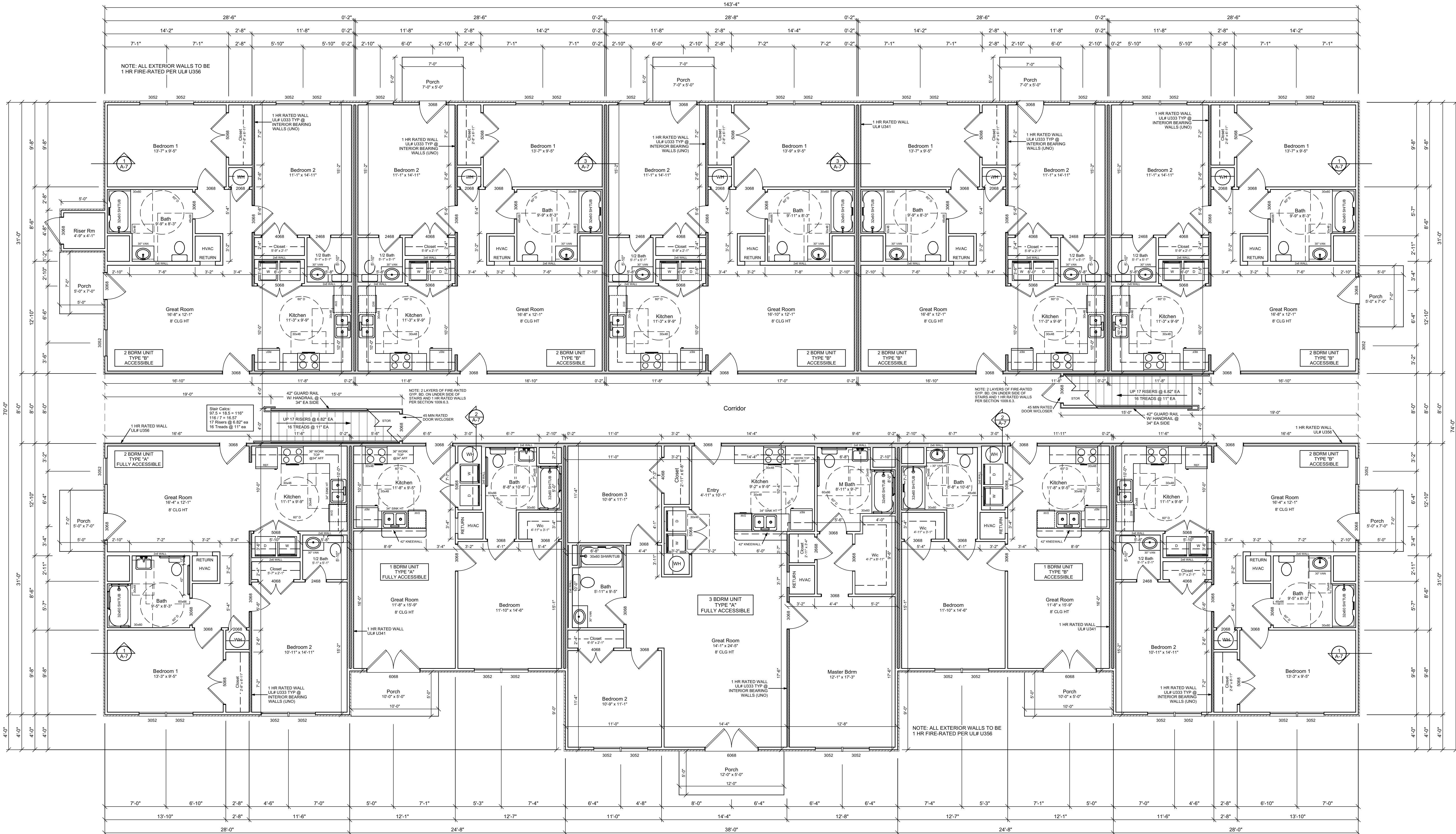
Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this

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"x10" 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	7
1 BDRM TYPE "B"	1	6	7
1 BDRM STANDARD	1	6	7
2 BDRM TYPE "A"	1	6	7
2 BDRM TYPE "B"	1	6	7
2 BDRM STANDARD	1	6	7
3 BDRM TYPE "A"	1	6	7
3 BDRM TYPE "B"	1	6	7
3 BDRM STANDARD	1	6	7

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

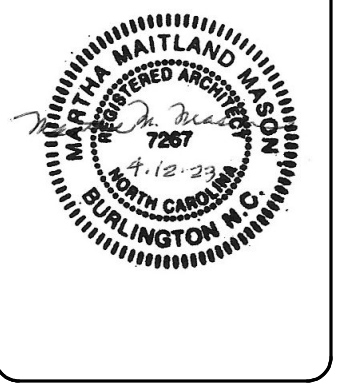
Wall Types			
TYPE	UL #	GRAPHIC	WALL STUDS
EXTERIOR WALL	U536	[Graphic]	2x4 #2 SPF @ 12" OC
EXT. CORRIDOR WALL	U536	[Graphic]	2x4 #2 SPF @ 12" OC
INTERIOR WALL	NONE	[Graphic]	2x4 #2 SPF @ 16" OC
INT. LOAD BEARING WALL	U533	[Graphic]	2x4 #2 SPF @ 12" OC
TENANT SEPARATION WALL	U541	[Graphic]	2x4 #2 SPF @ 12" 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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 6 Apt Buildings
 1 Clubhouse

Scale:
 3/16"=1'

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A-1

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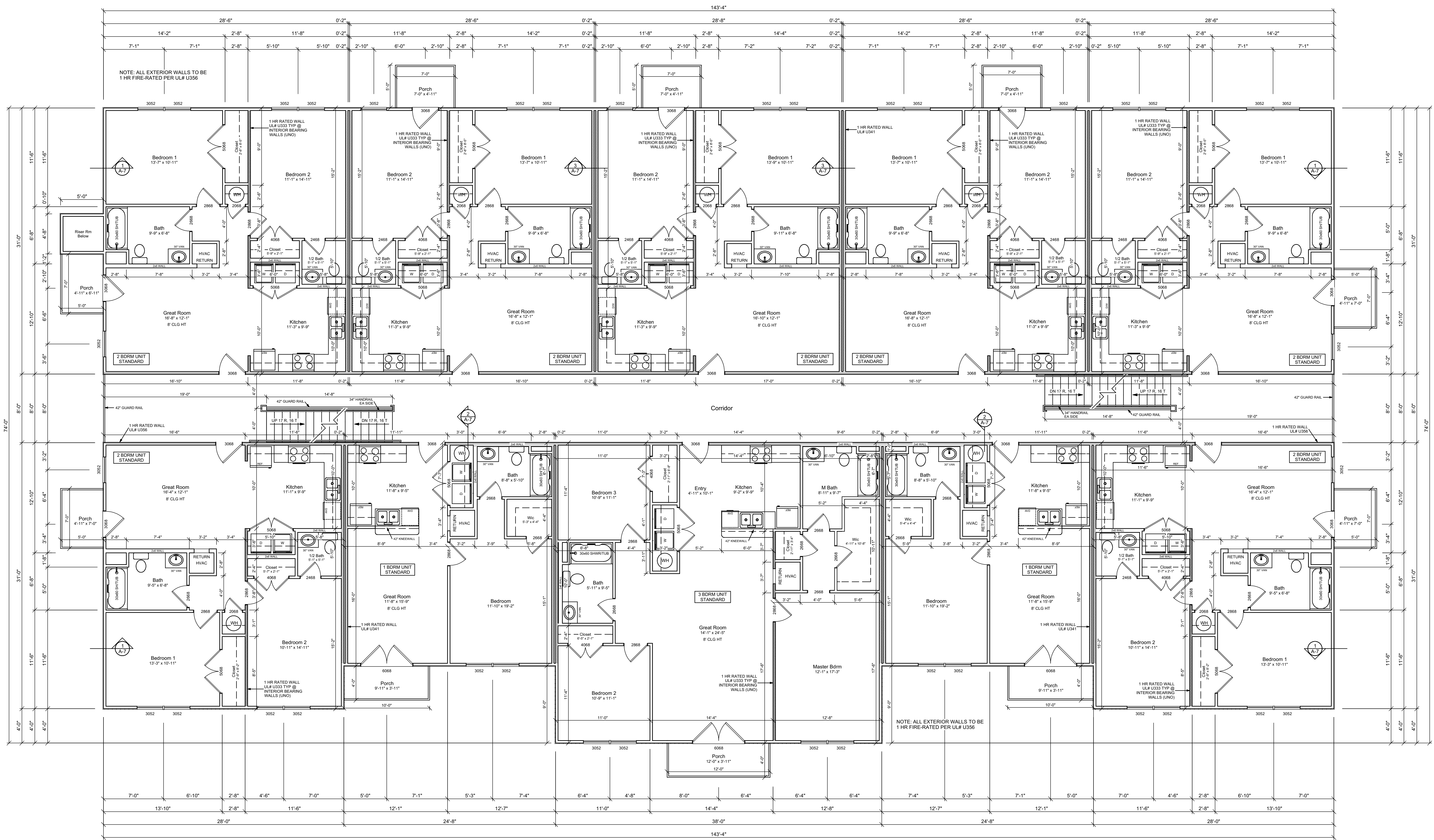
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Wall Types		
TYPE	UL #	GRAPHIC
EXTERIOR WALL	U356	[Symbol]
EXT. CORRIDOR WALL	U356	[Symbol]
INTERIOR WALL	NONE	[Symbol]
INT. LOAD BEARING WALL	U333	[Symbol]
TENANT SEPARATION WALL	US41	[Symbol]

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

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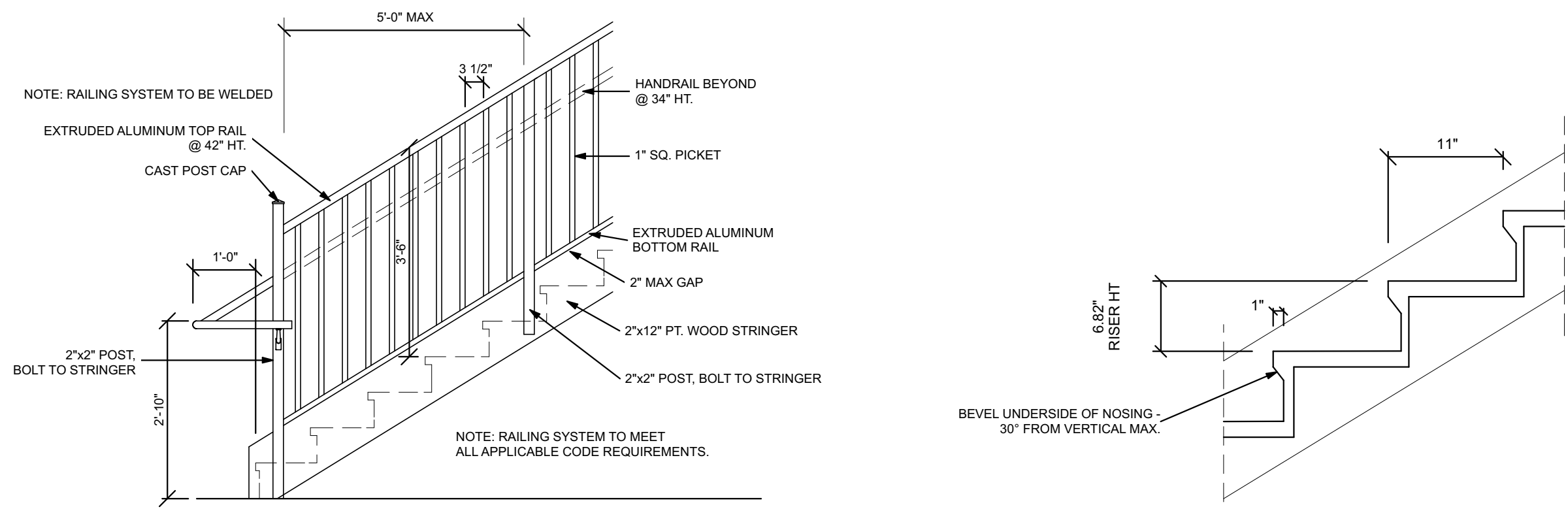
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2 Rear Elevation
 Scale: 3/16"=1'

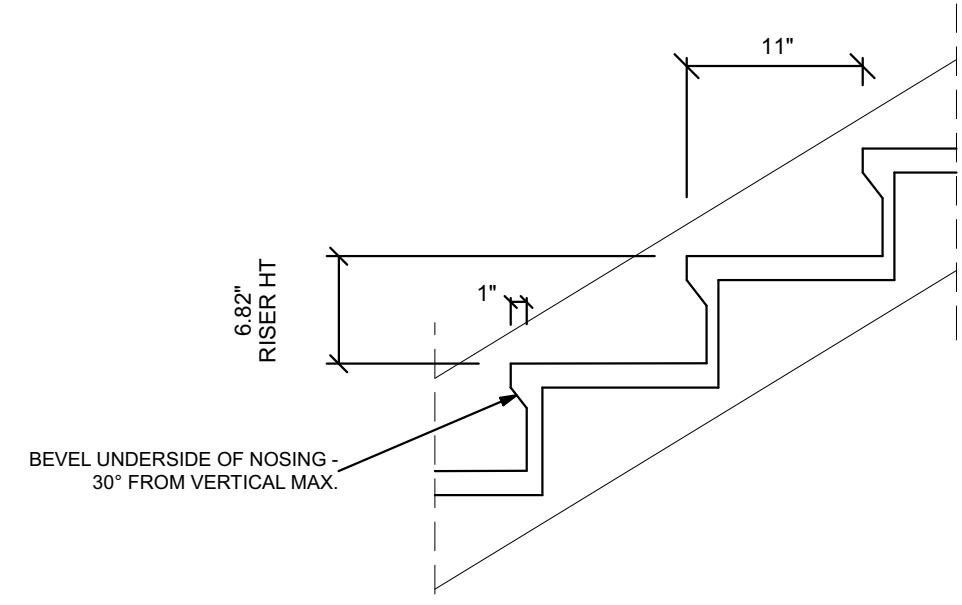


1 Front Elevation
 Scale: 3/16"=1'



Detail @ Stair Railing

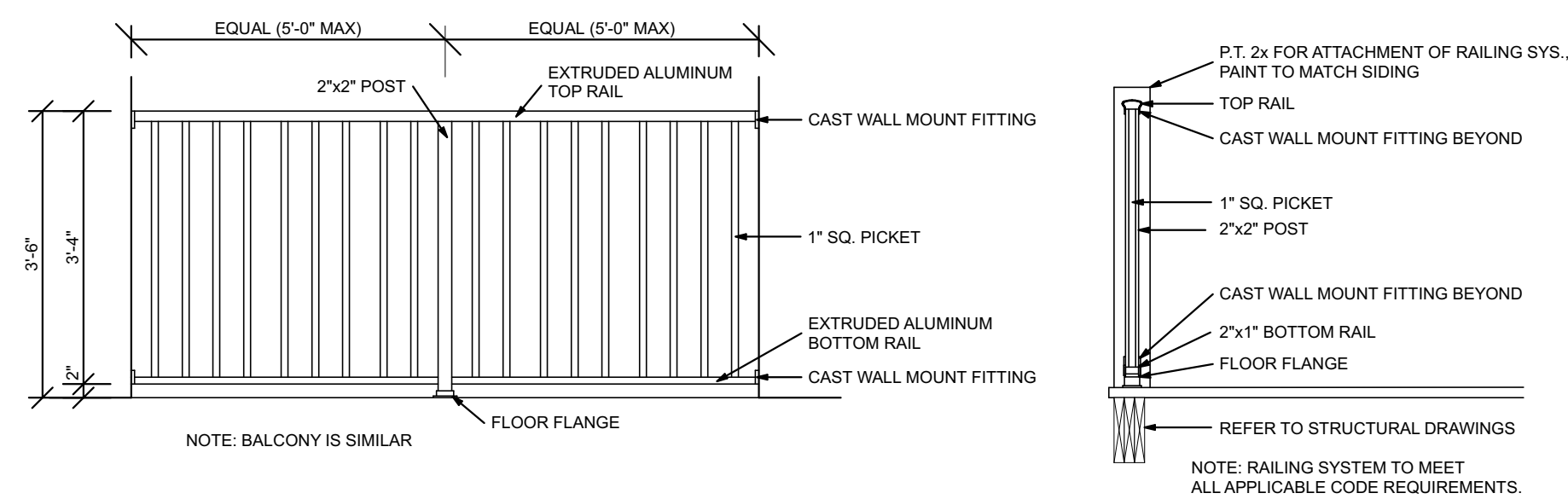
Scale: 1/2"=1'



Detail @ Stair Tread

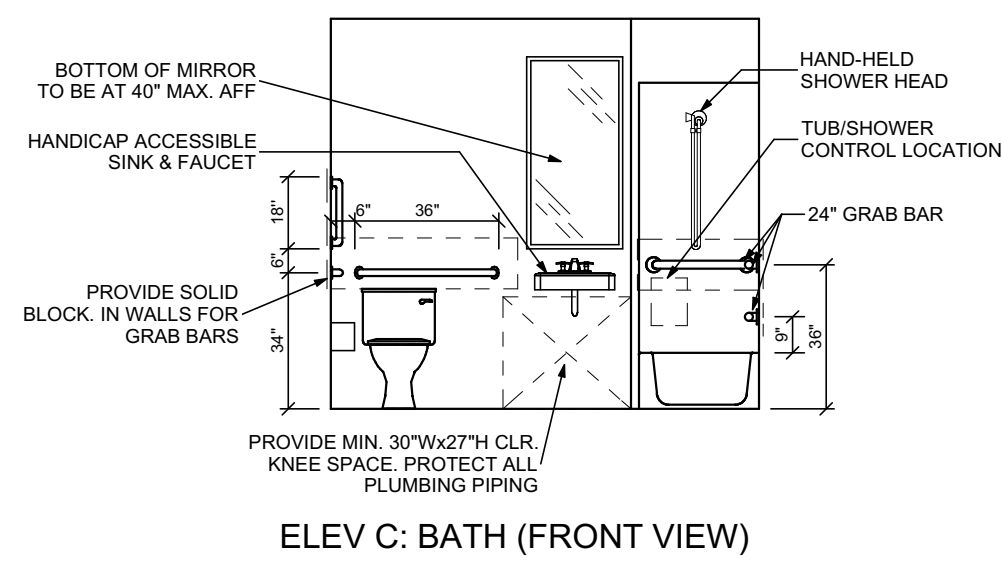
Scale: 1"=1'

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

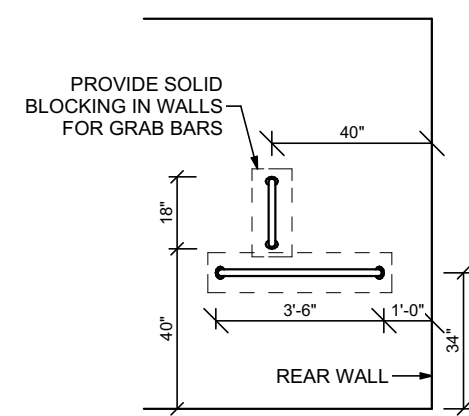


Detail @ Landing Railing

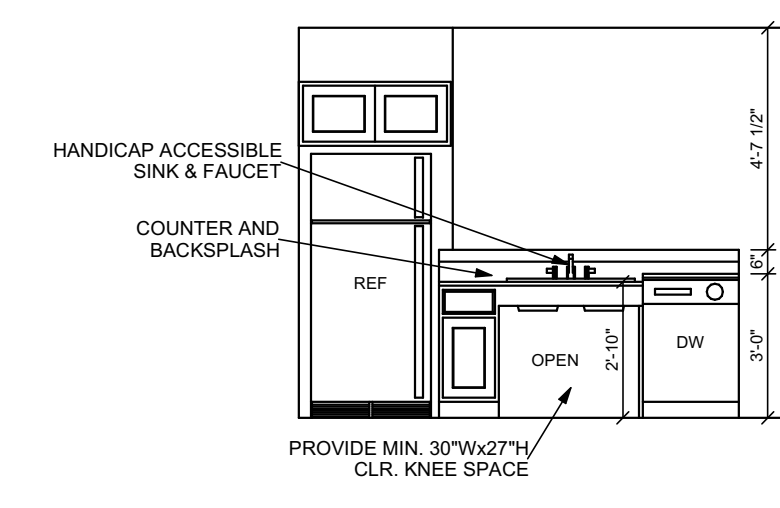
Scale: 1/2"=1'



ELEV C: BATH (FRONT VIEW)

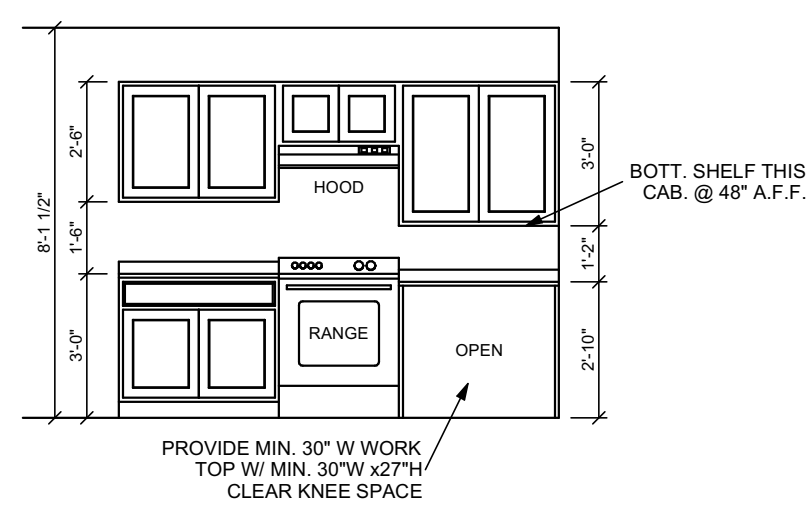


ELEV D: BATH (SIDE VIEW)



ELEV A: KITCHEN

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



ELEV B: KITCHEN

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

Kitchen / Bath Elevs @ 3 Bdrm Type A Unit

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



Right Side Elevation

Scale: 3/16"=1'



Left Side Elevation

Scale: 3/16"=1'

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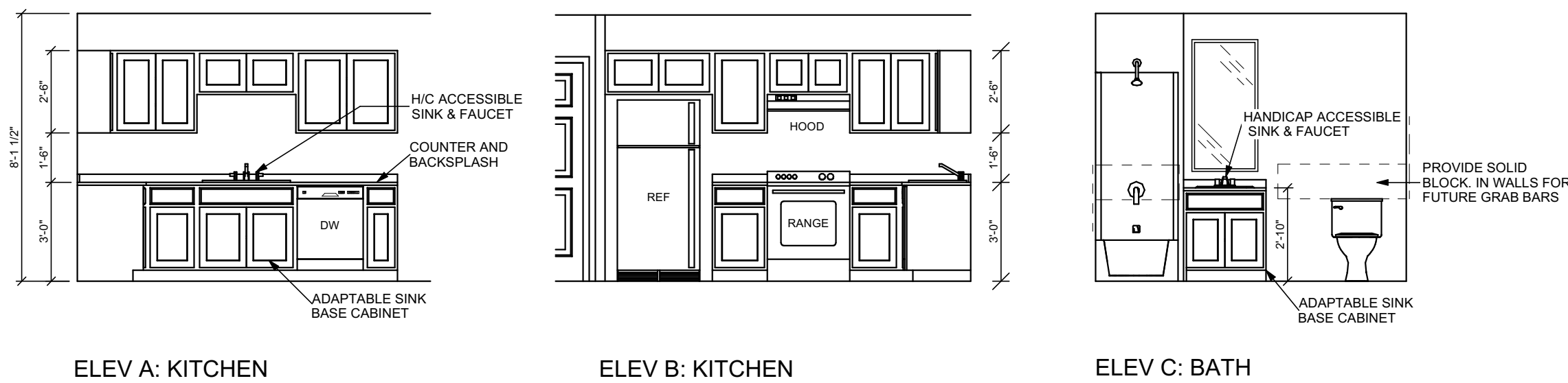
Drawn By: JTB
 Checked By: GWF
 Date: 4/12/23
 File: D&G Legacy Haw River V1

Revisions:	Remarks
Date	

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

Scale:
 AS NOTED

Sheet No:
A-5



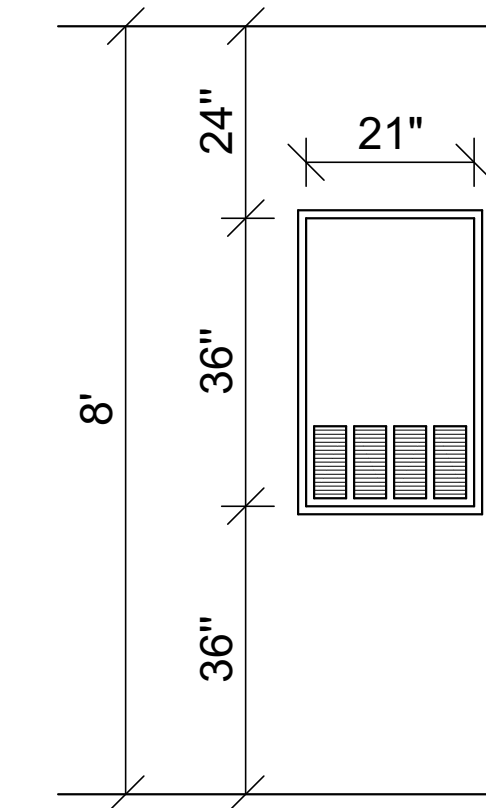
4 Kitchen / Bath Elevs @ 2 Bdrm Type B Unit

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



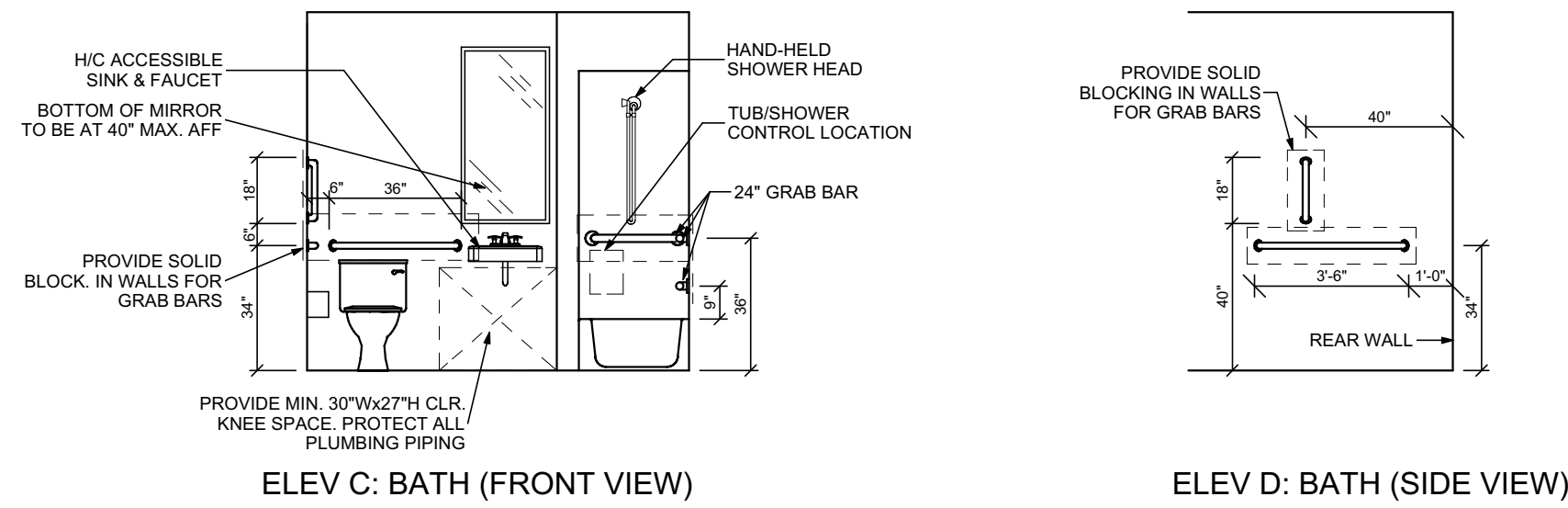
5 Kitchen / Bath Elevs @ 1 Bdrm Type B Unit

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



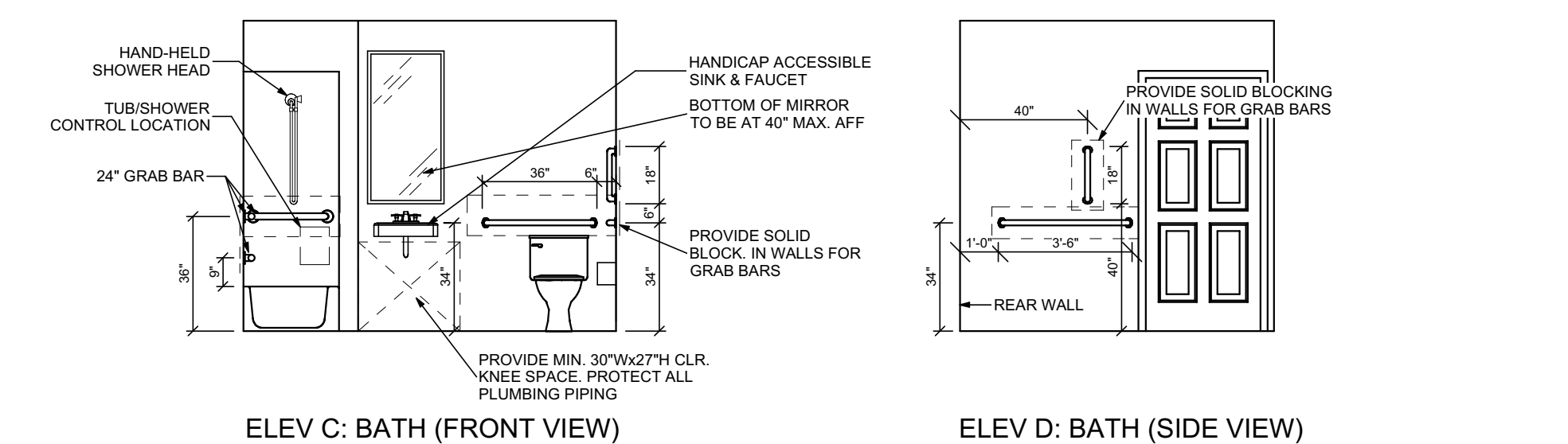
6 HVAC Return Detail

Scale: 1/2"=1'-0"



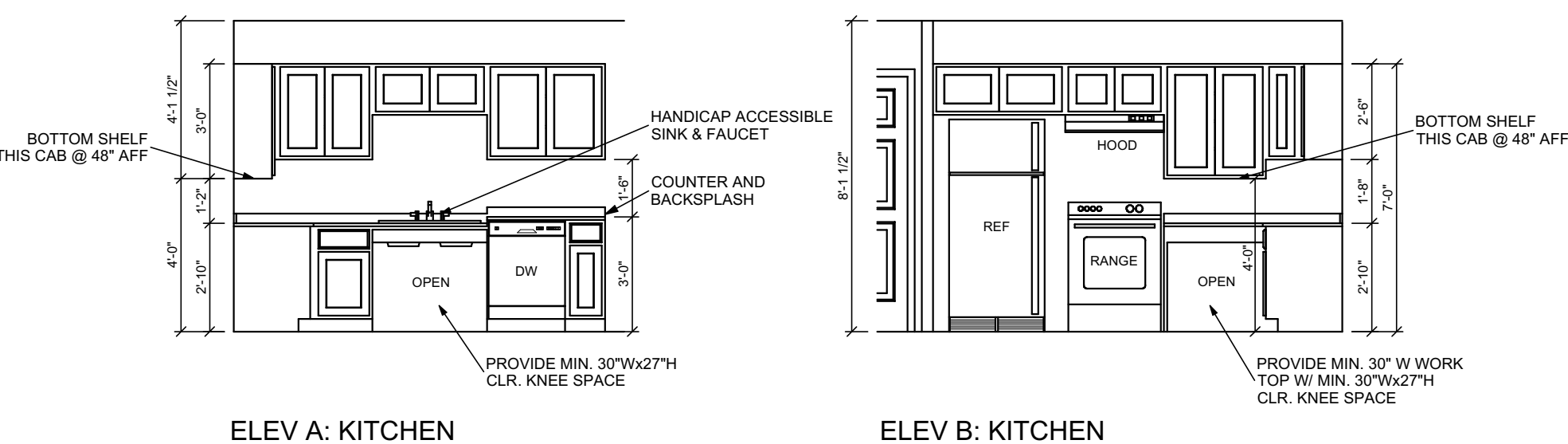
3 Kitchen / Bath Elevs @ 1 Bdrm Type A Unit

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



2 Kitchen / Bath Elevs @ 2 Bdrm Type A Unit

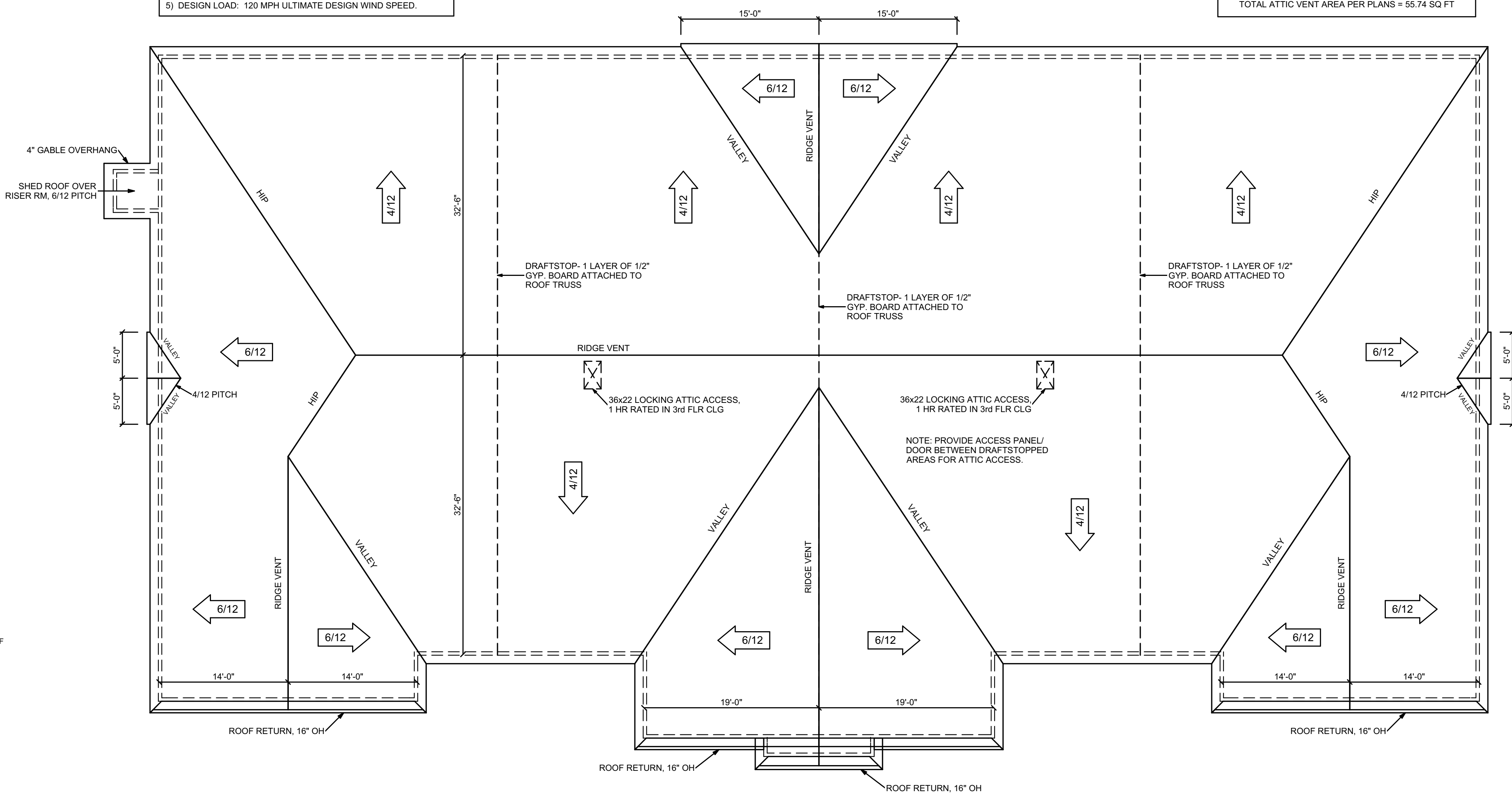
Scale: 1/4"=1'-0"



General Roof Notes:

- 1) ALL OVERHANGS TO BE 12" UNO.
- 2) 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) PROVIDE ACCESS PANEL/DOOR BETWEEN DRAFTSTOPPED AREAS FOR ATTIC ACCESS.
- 5) 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 195 FT = 23.4 SQ FT
SOFFIT VENT =	.07 SQ FT/FT x 462 FT = 32.34 SQ FT
TOTAL ATTIC VENT AREA PER PLANS =	55.74 SQ FT



1 Roof Plan

Scale: 1/8"=1'

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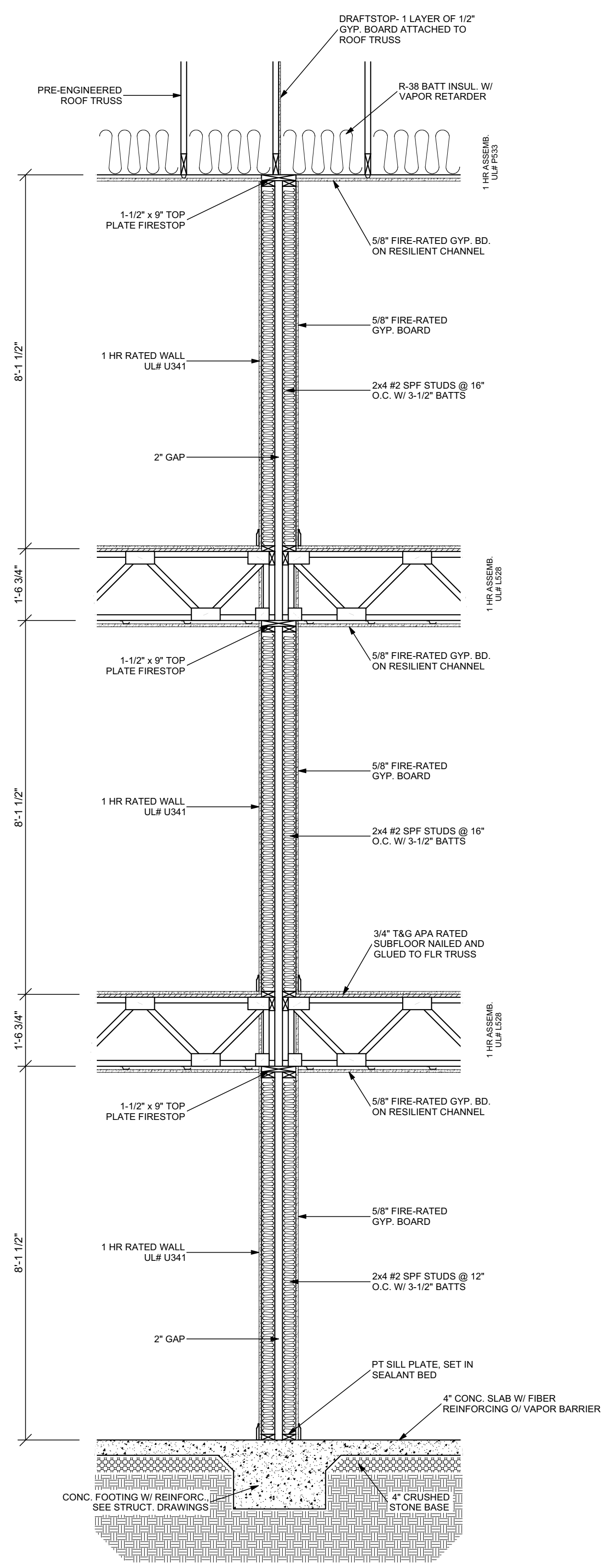
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Project:
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 Burlington, NC

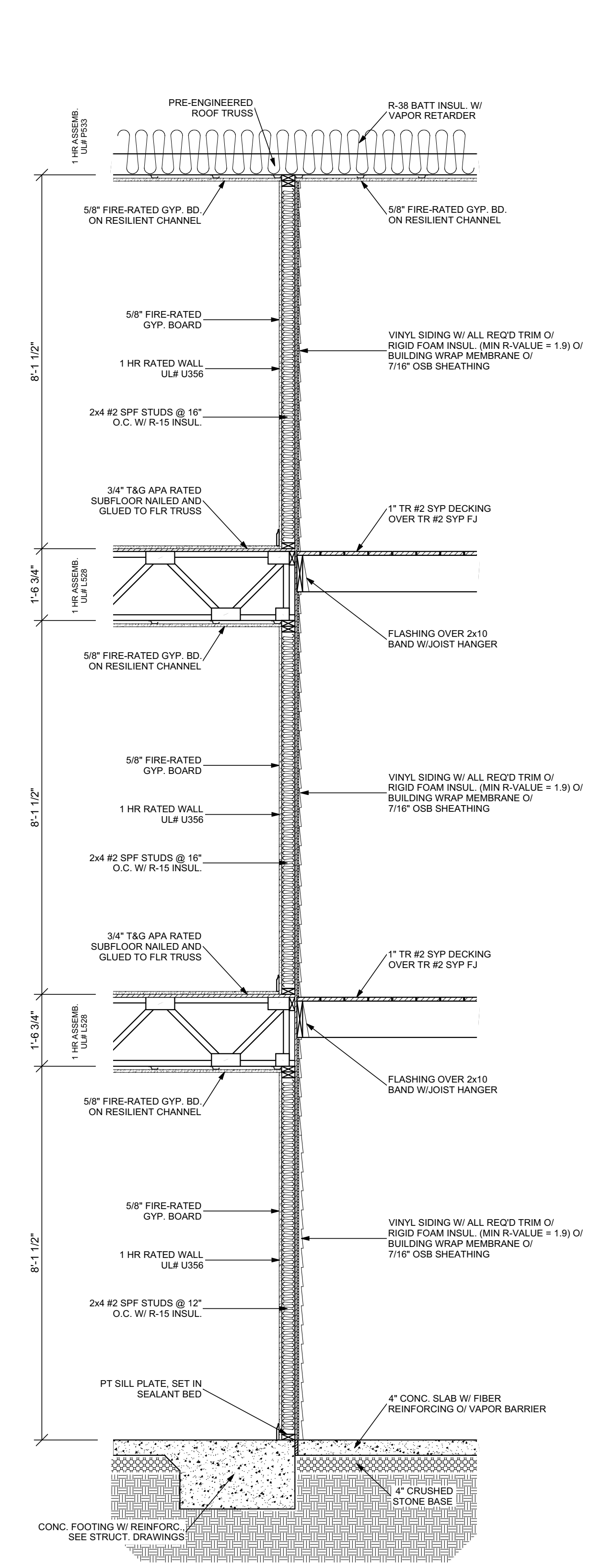
DeBoer & Gabriel
 Builders, Inc
 6 Apt Buildings
 1 Clubhouse

Scale:
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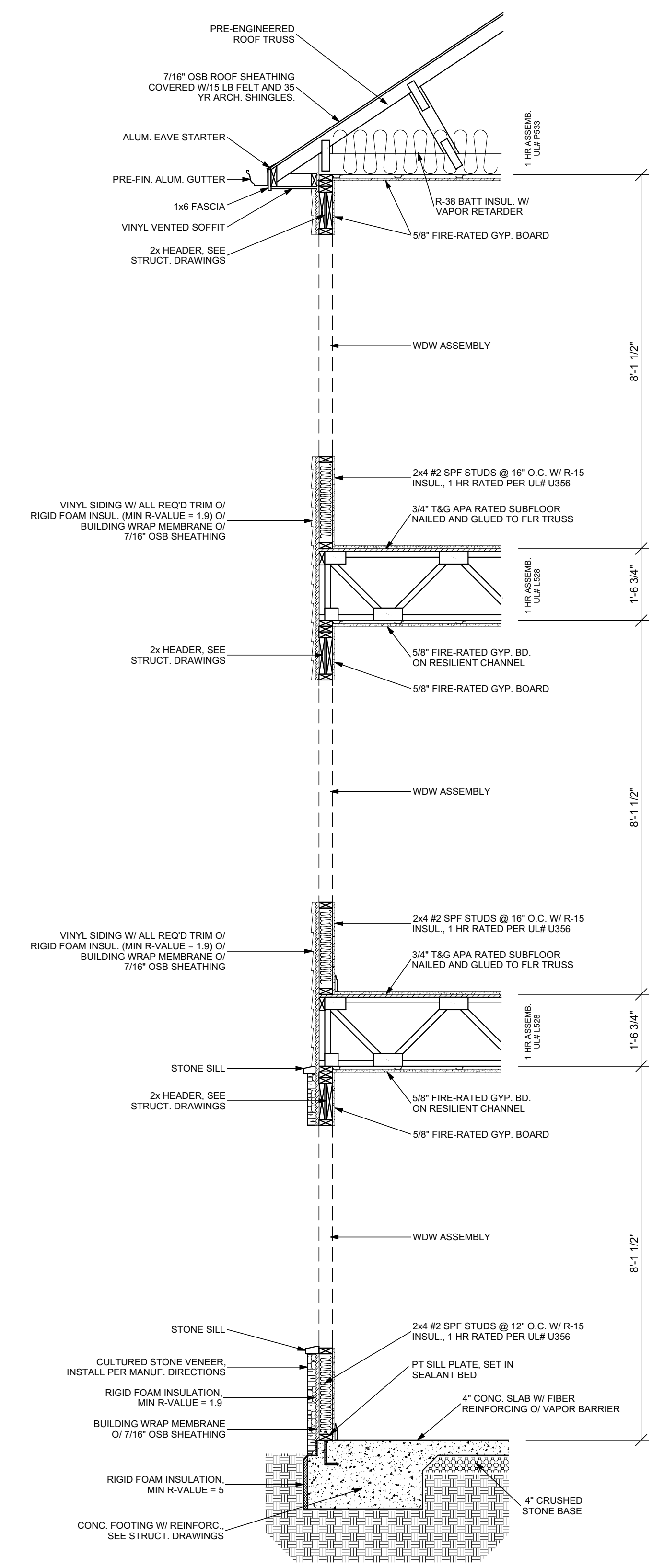
Sheet No:
A-6



3
A-7
Tenant Separation Wall Section
Scale: 1/2"=1'-0"



2
A-7
Wall Section @ Corridor
Scale: 1/2"=1'-0"



1
A-7
Wall Section @ Exterior Wall
Scale: 1/2"=1'-0"

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Scale:
1/2"=1'
Sheet No:
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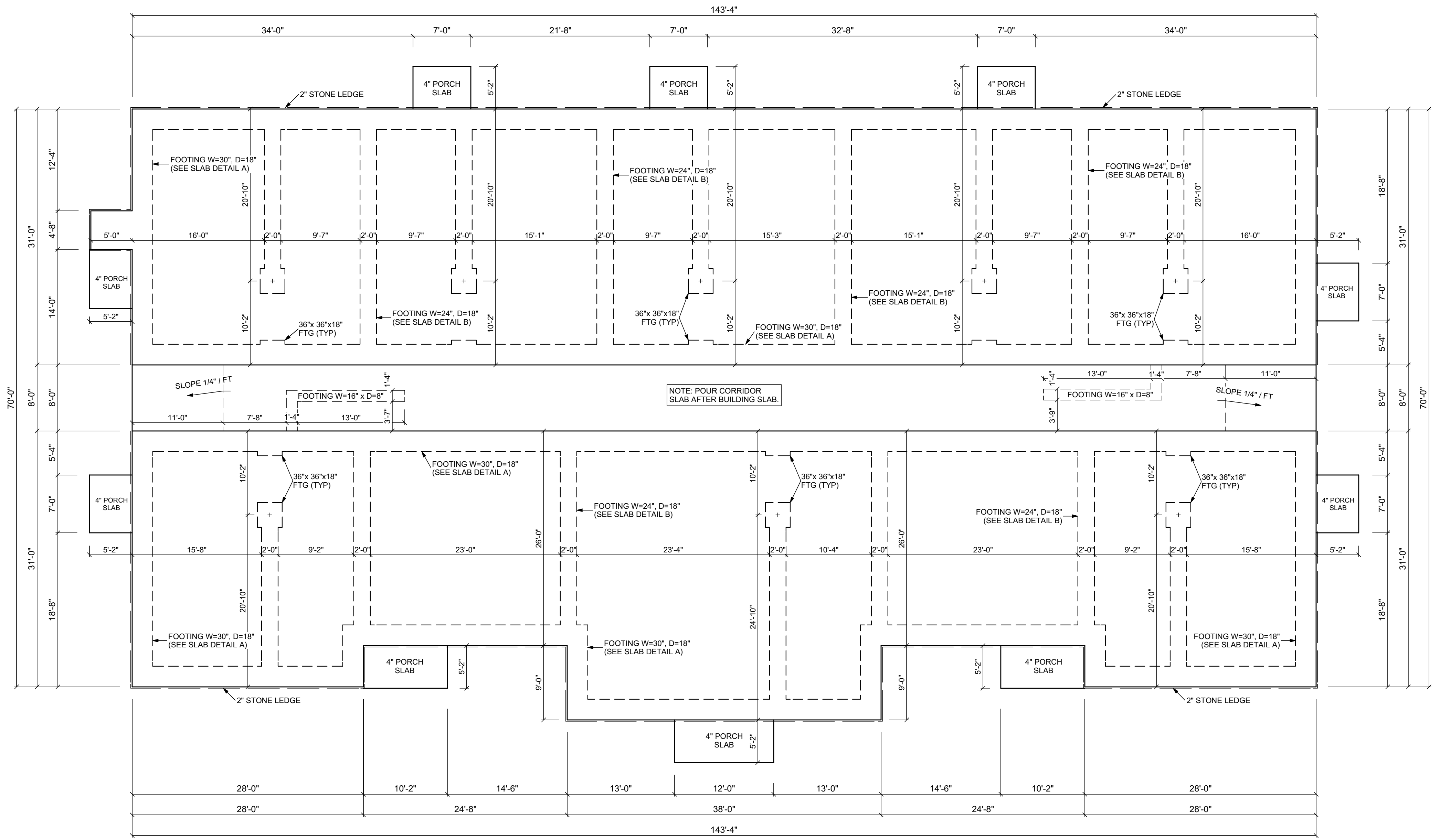
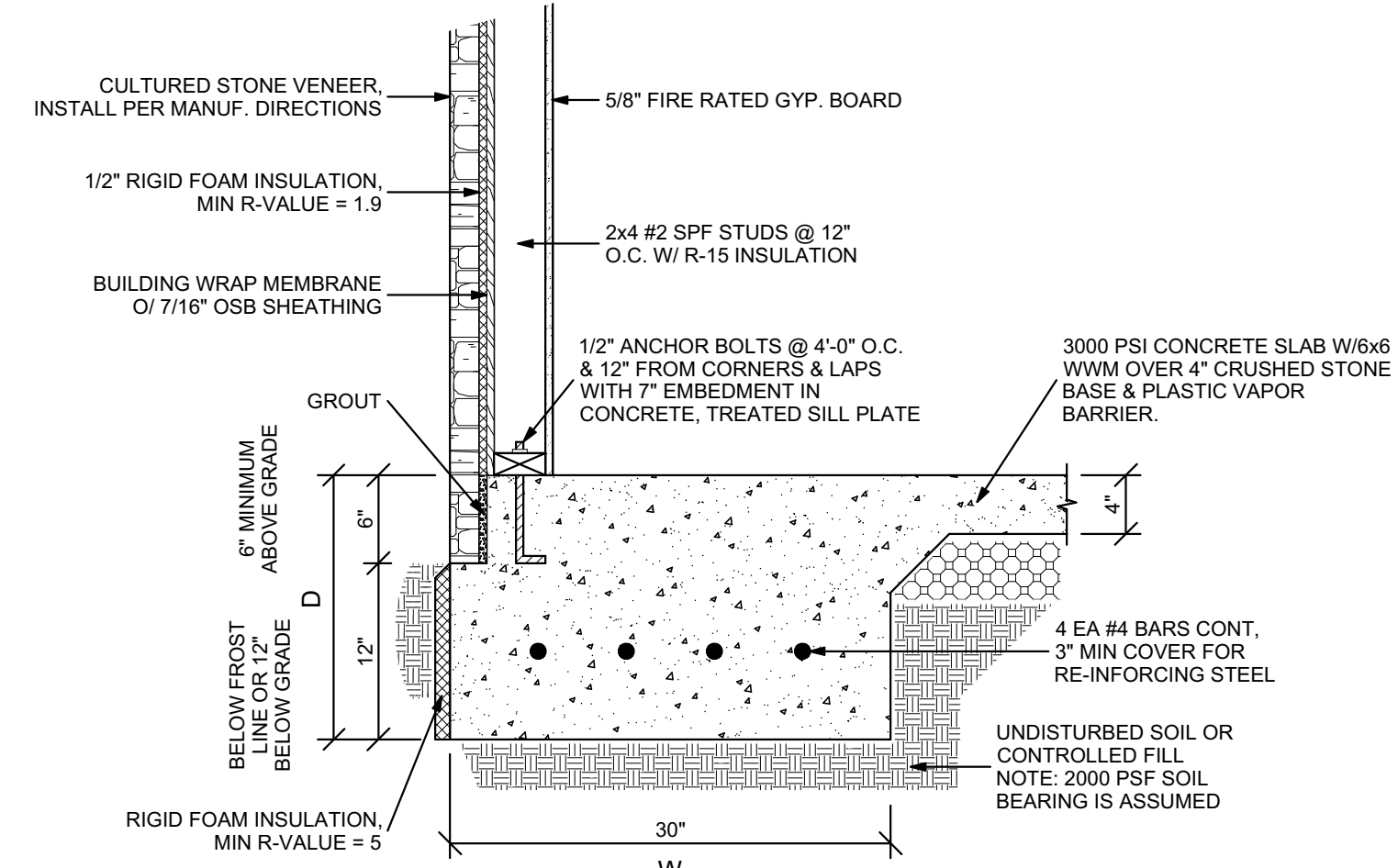
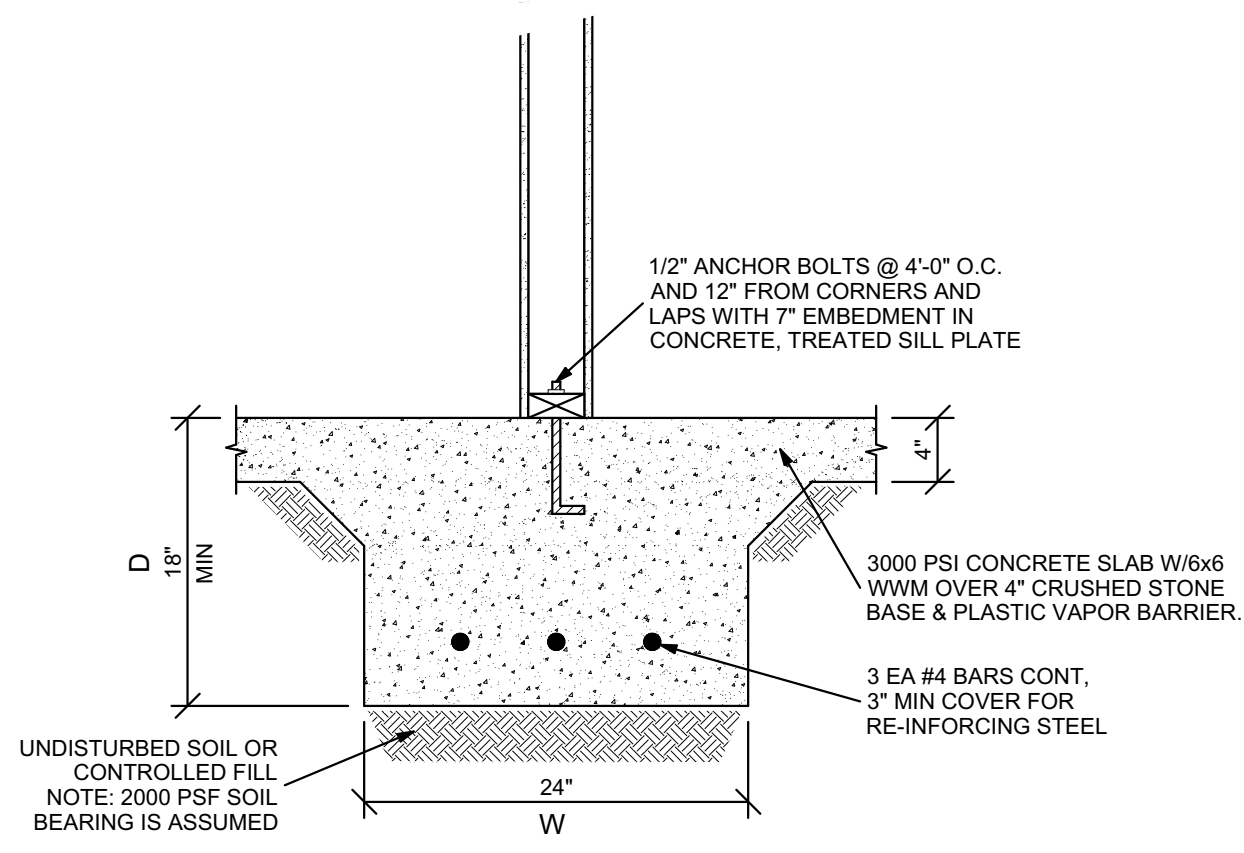
Project:
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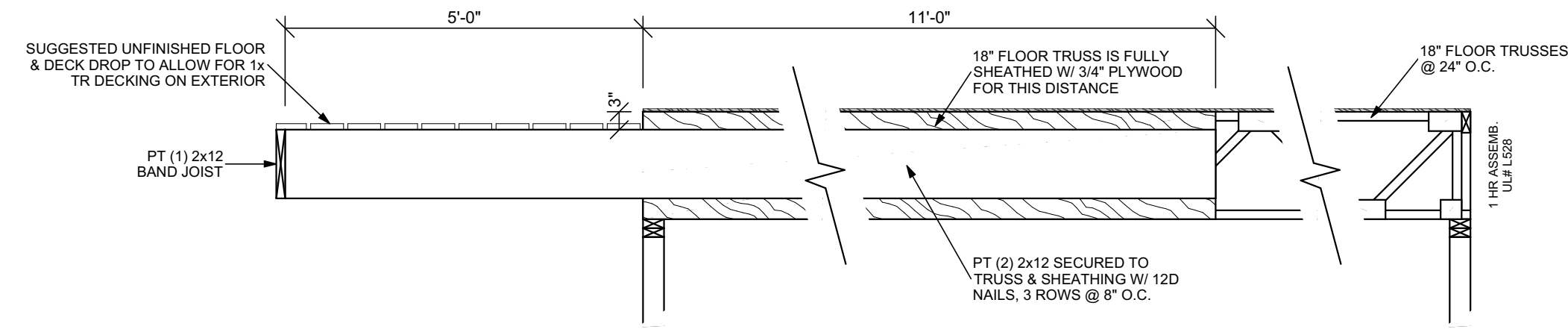
Sheet No:
S-1

Structural Notes:

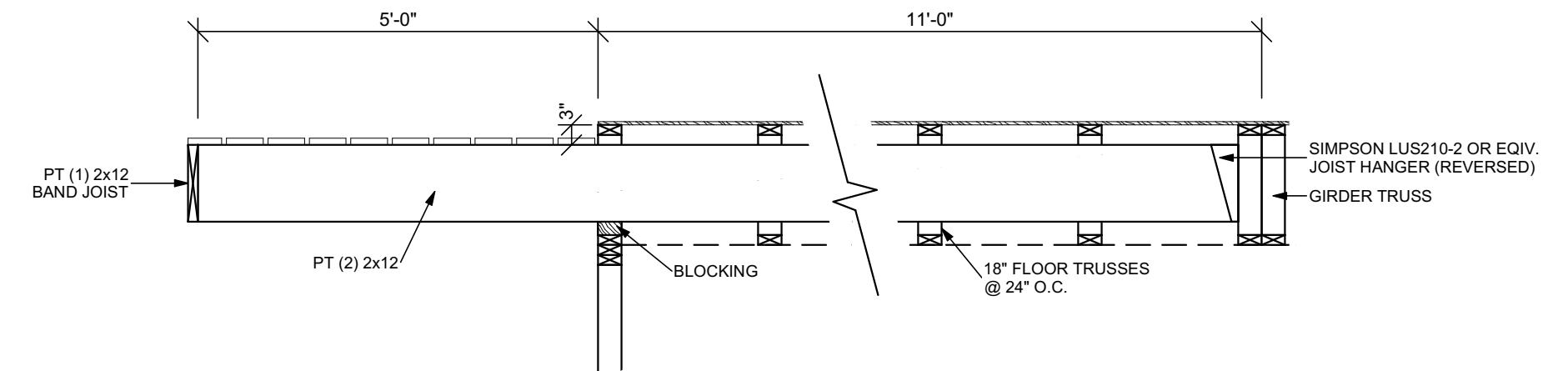
- 1) PERIMETER WALL FOOTINGS TO BE 30"x18" CONT CONC MIN W/ 4 EA #4 BARS. INTERIOR FTGS TO BE 24"x18" CONC W/ 3 EA #4 BARS.
- 2) 2000 PSF SOIL BEARING ASSUMED. 3000 PSI CONC ASSUMED.
- 3) PROVIDE 1/2" ANCHOR BOLTS AT 4'-0" OC (7" MIN EMBEDMENT) AND 12" FROM CORNERS AND LAPS.
- 4) AT EACH EXTERIOR CORNER, 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 STAIRS OPENINGS.
- 7) DIMENSIONS ARE TO THE OUTSIDE OF THE WALL FRAMING. STONE LEDGE IS 2" BEYOND EDGE OF FRAMING.



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



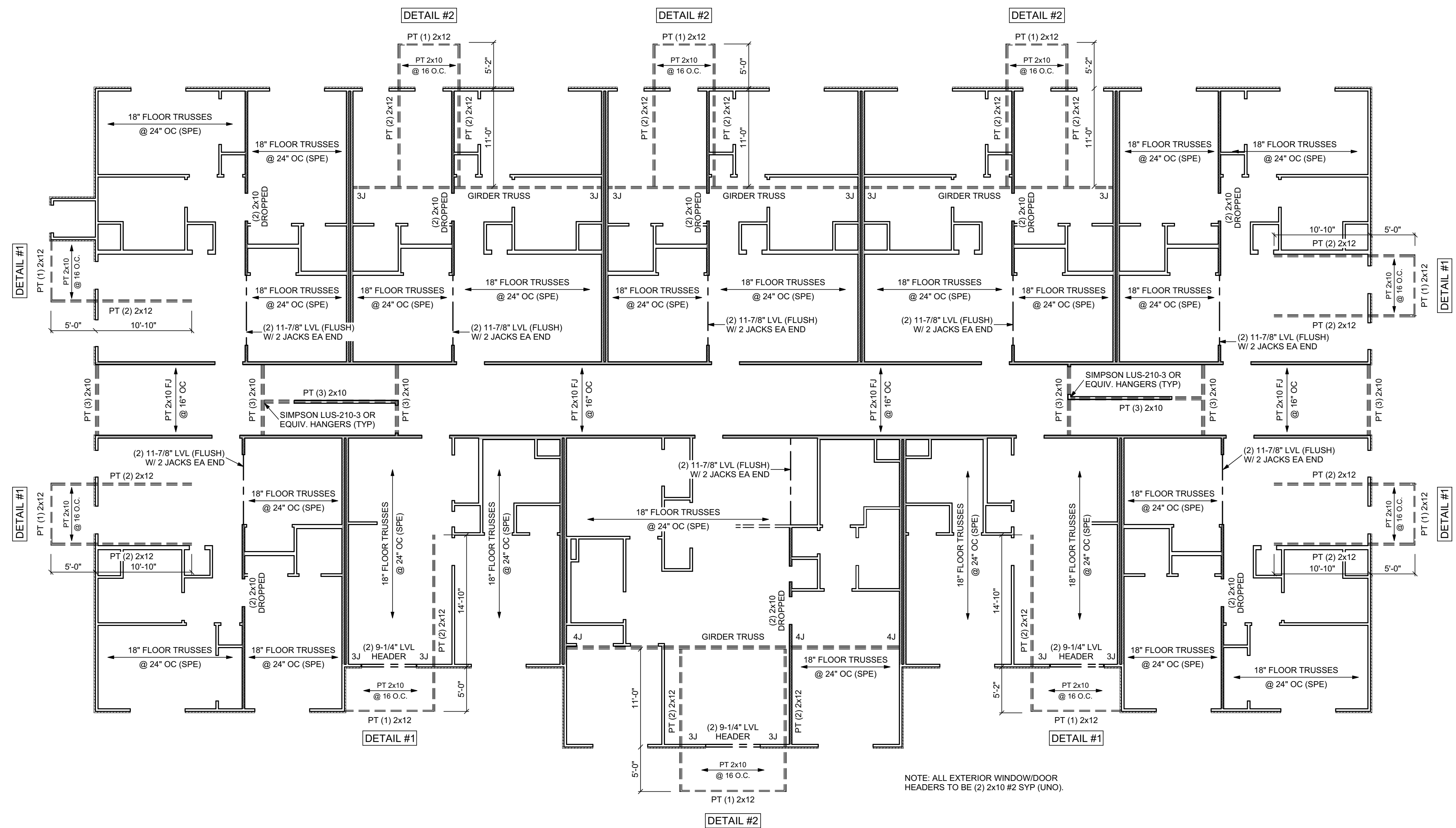
2 Cantilever Detail #1
S-2 Scale: 1/2"=1'-0"



3 Cantilever Detail #2
S-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" O.C.
 - 4) 2nd & 3rd FLOOR CORRIDOR FRAMING TO BE 2x10 #2 TREATED SYP FJ @ 16" O.C. 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 BAND AND CORRIDOR FJS USING SIMPSON LUS-210 JOIST HANGERS OR EQUIV.
 - 10) PROVIDE 7/16" OSB STRUCTURAL SHEATHING ON ALL EXTERIOR WALLS.



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

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

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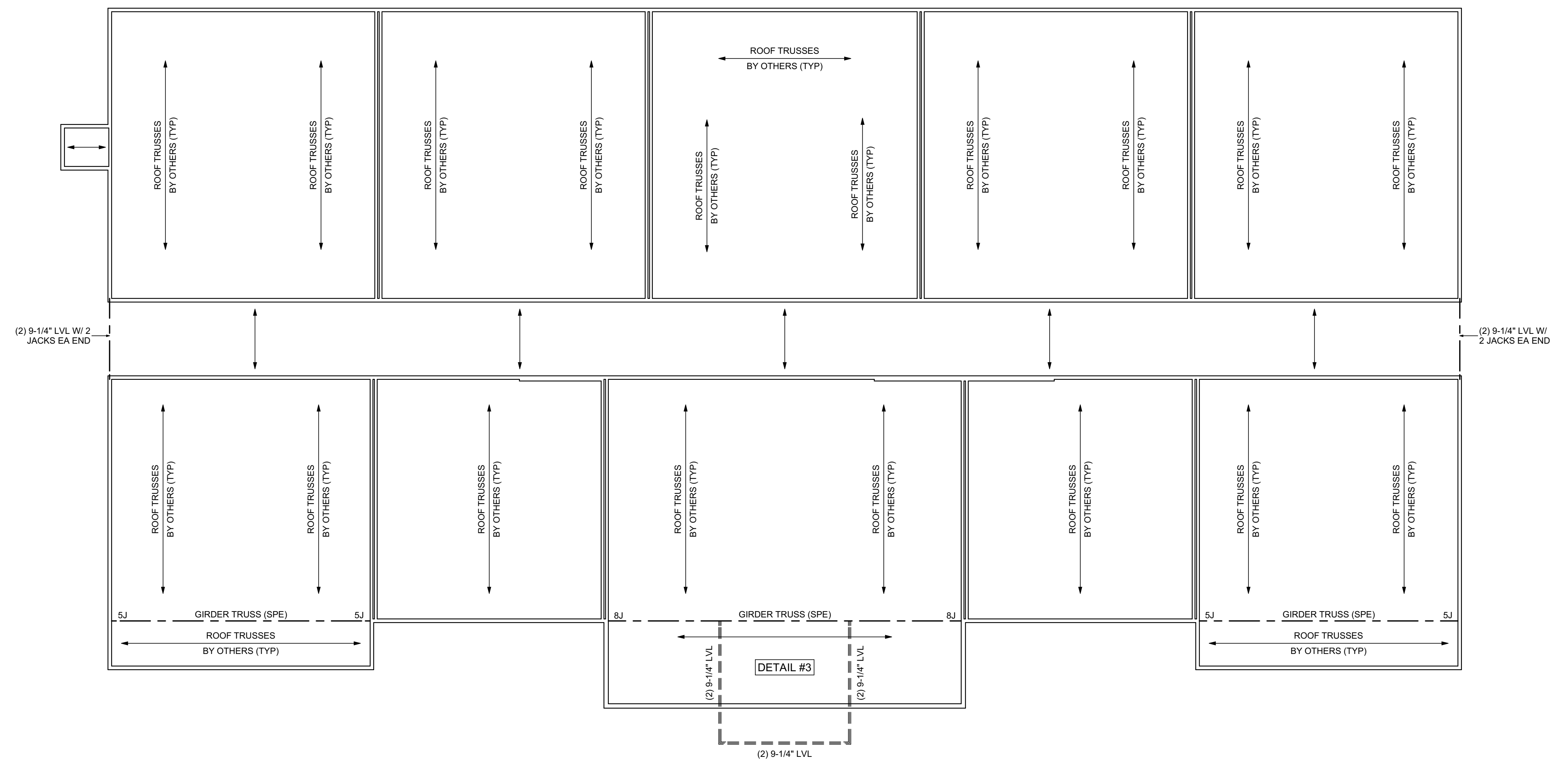
Project:
Legacy @ Haw River
Version 1
Burlington, NC
DeBoer & Gabriel Builders, Inc
6 Apt Buildings
1 Clubhouse

Scale:
AS NOTED

Sheet No:
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.

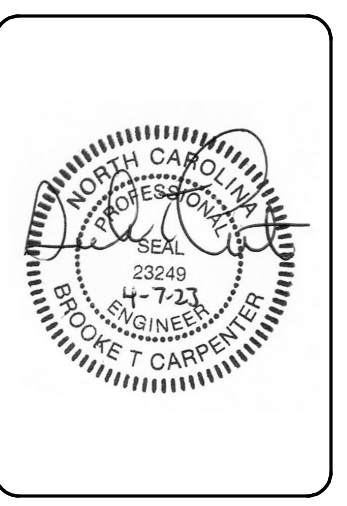


1
S-3 **Ceiling Structural Plan**
Scale: 1/8"=1'

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1 Clubhouse

Scale:
1/8"=1'

Sheet No:
S-3

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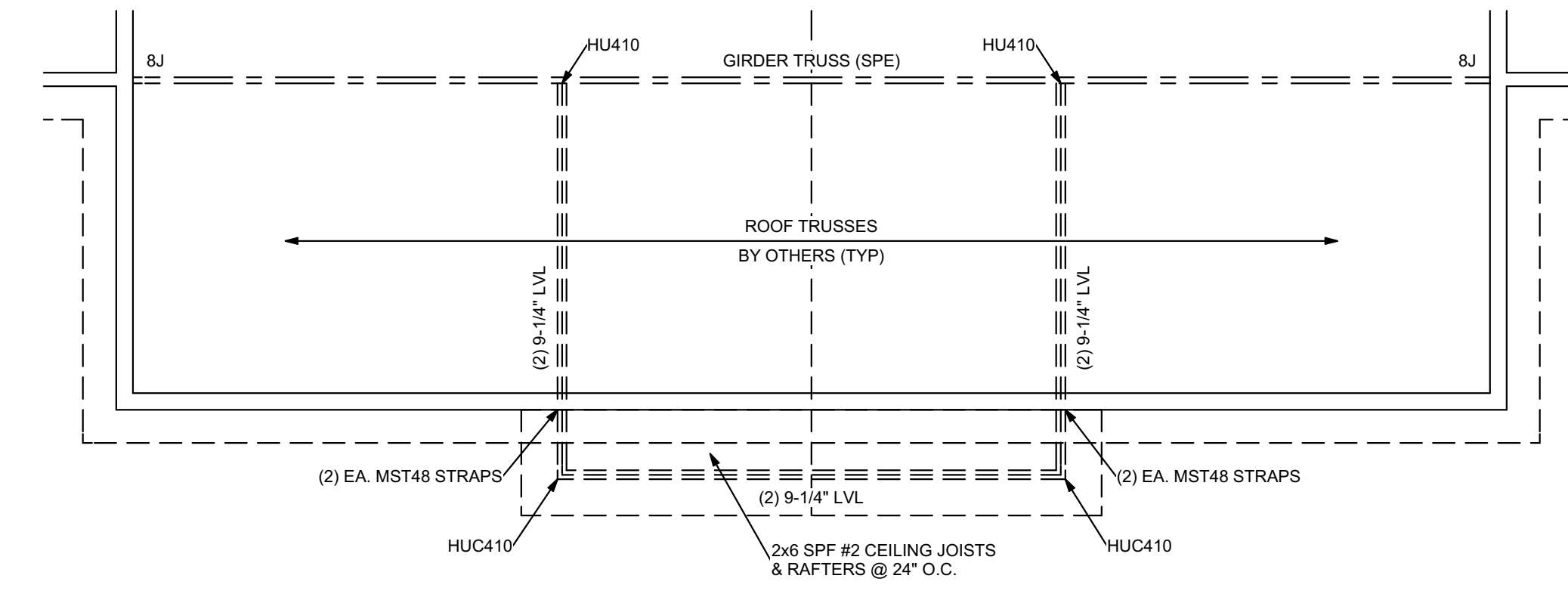
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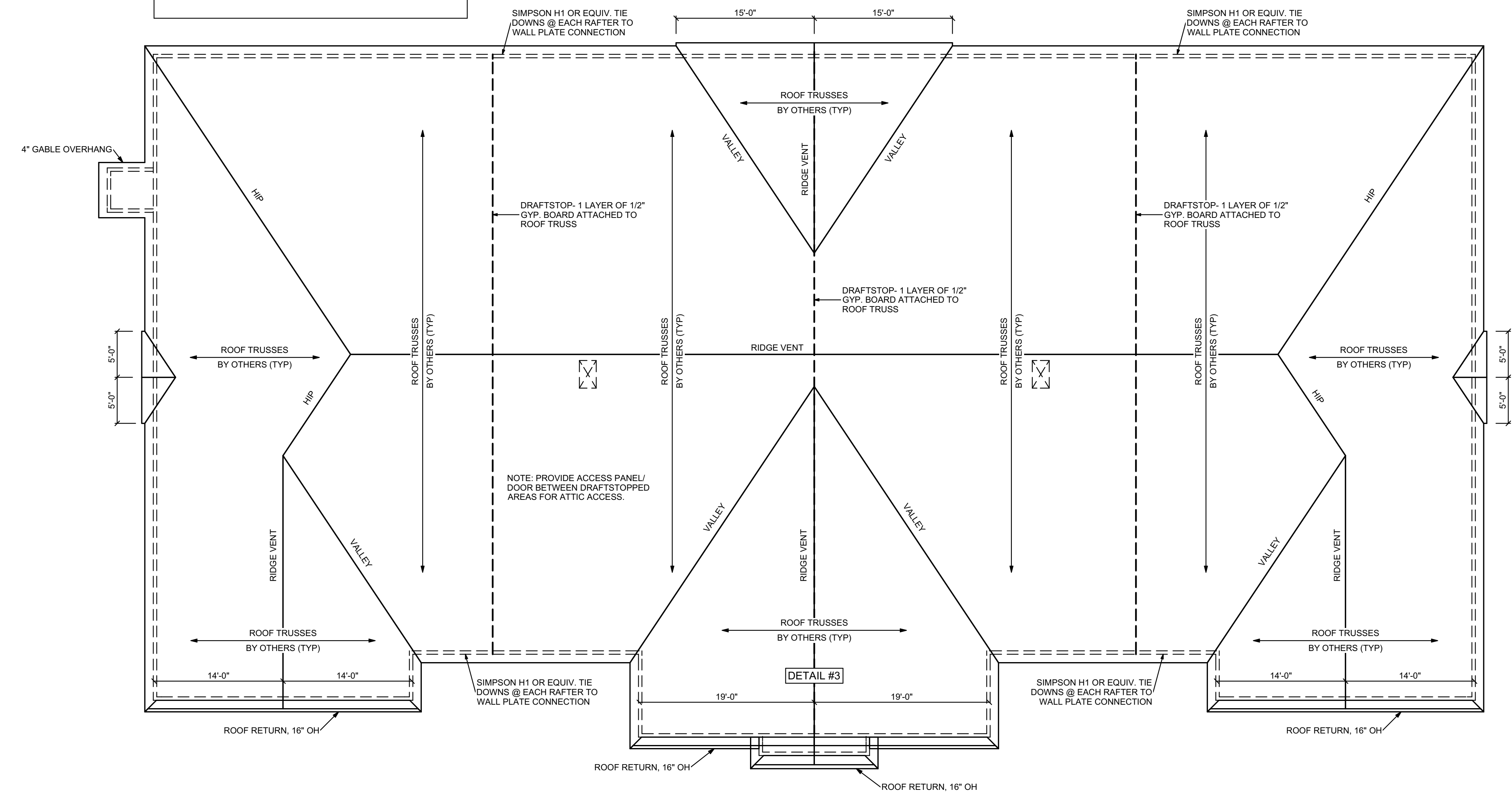
Scale:
 AS NOTED

Sheet No:
S-4



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'