

THE GROVE AT 421

Lillington, North Carolina

HATCHER CREEK, LLC

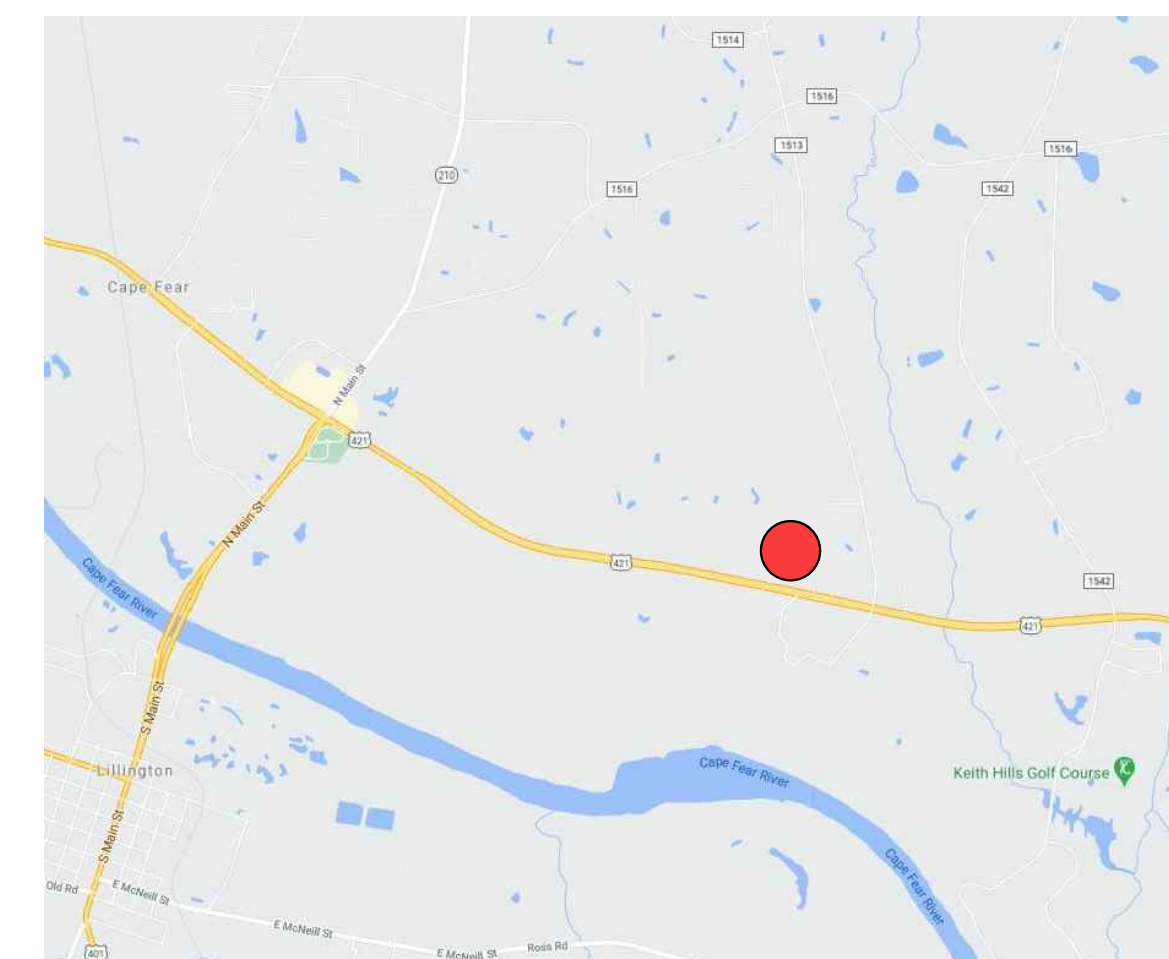


Community Bldg/ Poolhouse

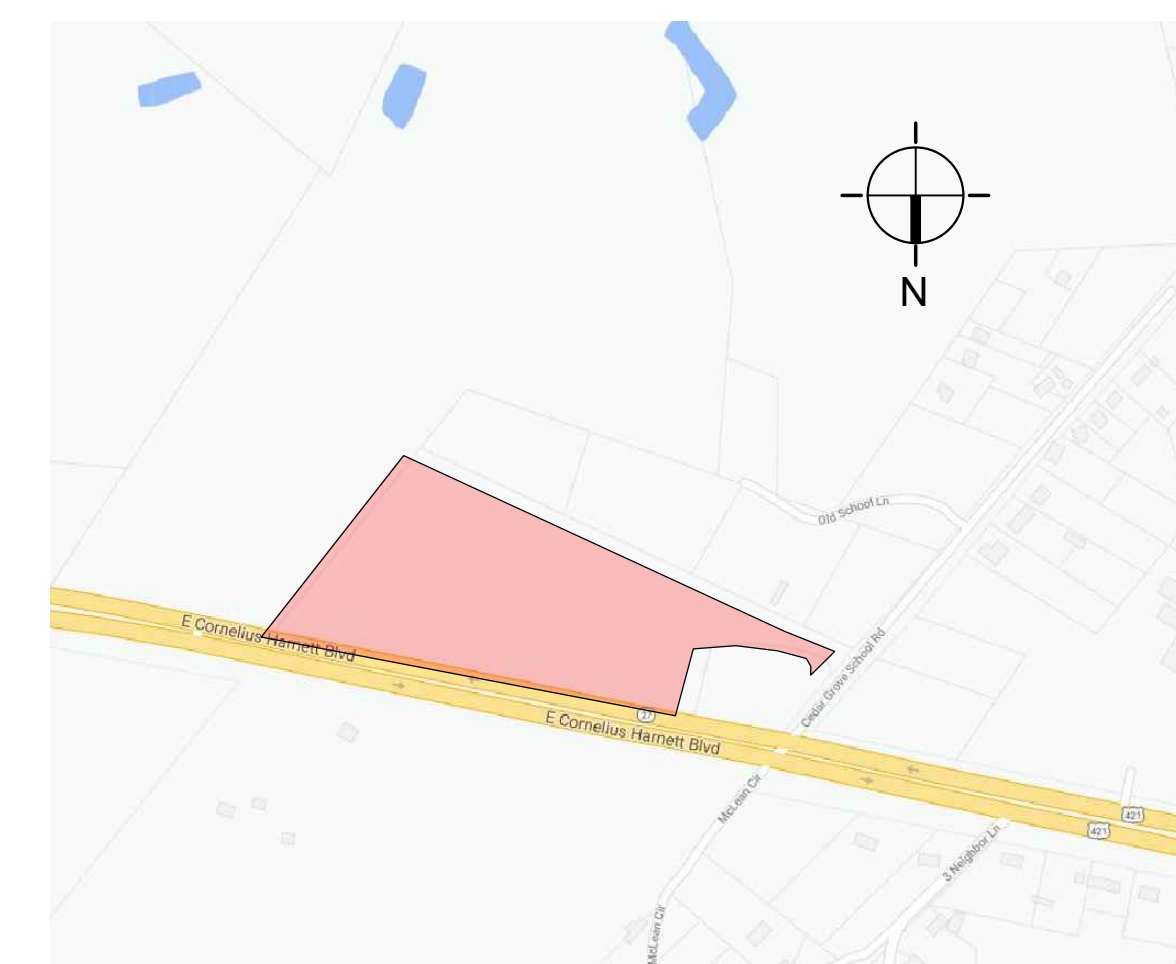
DRAWING INDEX

DWG. NUMBER	SEQUENCE NUMBER	DRAWING DESCRIPTION	ISSUE DATE	LAST REVISION DATE	REVISED THIS PRINT
CS 100	1	Cover Sheet	8/30/2021	01/25/2022	X
CS 200	2	Code Summary- Community Building	8/30/2021	01/25/2022	X
CS 201	3	Code Summary- Pool House	8/30/2021		
CS 300	4	Life Safety Plan	8/30/2021		
CS 400	5	UL Assembly - U305	8/30/2021		
CS 401	6	UL Assembly - U305(Continued)	8/30/2021		
CS 500	7	General Notes	8/30/2021		
STRUCTURAL					
S 1.4	8	Amenity Foundation Plans	04/27/2021		
S 2.1	9	Amenity Framing Plans	04/27/2021		
S 3	10	Structural Details	04/27/2021		
S 4	11	Structural Details	04/27/2021		
S 5	12	Structural Details	04/27/2021		
S 6	13	Structural Details	04/27/2021		
S 7	14	Structural Details	04/27/2021		
S 9	15	Structural Details	04/27/2021		
ARCHITECTURAL					
A 110	16	Building Plan- Community Building	08/30/2021	01/25/2022	X
A 120	17	Building Plan- Pool House	08/30/2021	01/25/2022	X
A 310	18	Building Elevations-Community Building	08/30/2021		
A 320	19	Building Elevations-Community Building	08/30/2021		
A 330	20	Building Elevations- Pool House	08/30/2021		
A 400	21	Furniture Plan	08/30/2021		
A 510	22	Wall Sections-Community Building	08/30/2021		
A 511	23	Wall Sections- Pool House Building	08/30/2021		
A 512	24	Wall Section Details	08/30/2021		
A 610	25	Enlarged Community Bldg Details	08/30/2021		
A 620	26	Enlarged Community Bldg Details	08/30/2021		
A 630	27	Enlarged Pool House Details	08/30/2021		
A 700	28	Door And Window Schedule	08/30/2021		
A 710	29	Room Schedule & Interior Finishes Legend	08/30/2021		
PLUMBING					
P 1.1	30	Plumbing Plans- Community Building	04/21/2021		
P 1.2	31	Plumbing Plans- Pool House	04/21/2021		
MECHANICAL					
M 1.1	32	Community Building- Mechanical Plan	04/21/2021		
M 1.2	33	Pool House- Mechanical Plan	04/21/2021		
ELECTRICAL					
E 1.1	34	Community Building Electrical Plan	04/21/2021		
E 1.2	35	Pool Building Electrical Plan	04/21/2021		
FA 1.1	36	Community Building Fire Alarm Plan	04/21/2021		

REGIONAL MAP



VICINITY MAP



OWNER

HATCHERS CREEK, LLC.
126 BRANDON DRIVE
LILLINGTON, NC 27546
P | 919.422.7065

CIVIL

4DSITE SOLUTIONS
409 CHICAGO DR. #112
FAYETTEVILLE, NC 28306
P | 910.428.6777
W | WWW.4DSITESOLUTIONS.COM

STRUCTURAL

HAUSER - CREECH
615 3RD AVE. SOUTH
NASHVILLE TN 37210
P | 919817.7676
F | 919817.7676
W | WWW.HAUSER-CREECH.COM

ARCHITECT

ROSS/DECKARD ARCHITECTS P.A.
4010 WAKE FOREST ROAD
RALEIGH, NC 27609
P | 919.875.0001
F | 919.875.9200
W | WWW.ROSSDECKARDARCHITECTS.COM

PLUMBING

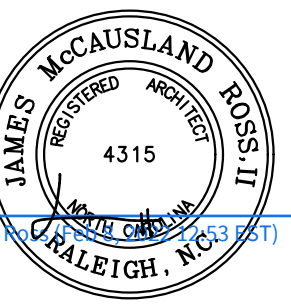
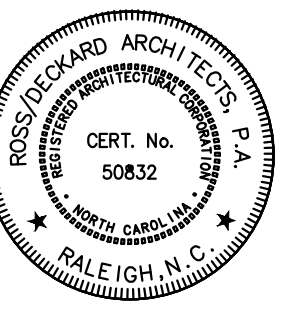
MELLING ENGINEERING
8824 GOTHERSTONE COURT
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MECHANICAL

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ELECTRICAL

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SEALS

CONSULTANTS

PROJECT

REVISIONS

DATE

SET#

SHEET

#

DRAWN BY: CHECKED BY:

HATCHER CREEK, LLC
COMM BLDG & POOL HOUSE
@ THE GROVES AT 421
LILLINGTON, NORTH CAROLINA

20-530.01

ASI 2 01-25-2022

ASI 1 10-18-2021

DATE: August 30, 2021
ISSUED FOR: Construction Permit

SP100

COVER SHEET

CS100

**2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL
COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)**

Name of Project: COMMUNITY BUILDING @ THE GROVES AT 421
 Address: 1585 E CORNELIUS HARNETT BOULEVARD
 Zip Code: LILLINGTON, NC 27546
 Owner/Authorized Agent: JAMES M. ROSS II/ARCHITECT
 Phone # 919.875.0001 Fax # 919.875.9200
 E-Mail JR@ROSSDECKARDARCHITECTS.COM & R.BLAKESLEE@ROSSDECKARDARCHITECTS.COM
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City CITY OF LILLINGTON
 County _____
 State _____

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Ross/Deckard Arch.	James M. Ross, AIA	NC4315/50832	919.875.0001	jr@rossdeckardarchitects.com
Civil	4D Site Solutions	Scott Brown	C-2354	910.426.6777	sbrown@4dsitesolutions.com
Electrical	Melling Engineering	Rick Melling, PE	NC 25029	919.810.3851	rmelling@mellingengineering.com
Fire Alarm					
Plumbing	Melling Engineering	Rick Melling, PE	NC 25029	919.810.3851	rmelling@mellingengineering.com
Mechanical	Melling Engineering	Rick Melling, PE	NC 25029	919.810.3851	rmelling@mellingengineering.com
Sprinkler-Standpipe					
Structural	Hauser-Creech, Inc.	Gabriel Hauser	NC 035814	919.817.7579	gabriel@hauser-creech.com
Retaining Walls > 5' High					
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building Addition Renovation
 1st Time Interior Completion
 Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
 Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14
 Alteration: Level I Level II Level III Change of Use
 Historic Property

CONSTRUCTED: (date) N/A CURRENT OCCUPANCY(S) (Ch. 3): N/A
 RENOVATED: (date) N/A PROPOSED OCCUPANCY(S) (Ch. 3): xxxx
 RISK CATEGORY (Table 1604.5): Current: I II III IV
 Proposed: I II III IV

BASIC BUILDING DATA

Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
 (check all that apply)
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes Flood Hazard Area: No Yes
 Special Inspections Required: No Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	NEW (SQ FT)
Comm. Bldg.	3,064

ALLOWABLE AREA

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

Accessory Occupancy Classification(s): 3,064
 Incidental Uses (Table 509): _____
 Special Provisions (Chapter 4 - List Code Sections): _____
 Mixed Occupancy: No Yes Separation: _____ Hr. Exception: _____

Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
 Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

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

STORY NO.	DESCRIPTION AND USE	(A) BUILDING AREA PER STORY (ACTUAL)	(B) TABLE 506.2.4 AREA	(C) AREA FOR FRONTAGE INCREASE 1,5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED 2,3
1	A-3/B/S-1	3,064 SF	6,000 SF		

1 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 = (F)
 b. Total Building Perimeter = (P)
 c. Ratio (F/P) = (F/P)
 d. W = Minimum width of public way = (W)
 e. Percent of frontage increase $1f = \frac{F}{P} \times \frac{W}{30} - 0.25$ (W/30 = _____%)
 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 un sprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²	40'	20'	
Building Height in Stories (Table 504.4) ³	1	1	

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
 2 The maximum height of air traffic control towers must comply with Table 412.3.1.
 3 The maximum height of open parking garages must comply with Table 406.5.4.

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
		REQD	PROVIDED (WITH REDUCTIONS)*				
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions							
Exterior Walls							
North							
East							
West							
South							
Interior walls and Partitions							
Floor Construction including supporting beams and joists							
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit (BREEZEWAY)							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.5)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLAN (%)

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 #:
 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 (1017)
 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 (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS		TYPE A UNITS		TYPE B UNITS		TOTAL ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESSIBLE	VAN SPACES WITH 12' ACCESSIBLE & ACCESSIBLE	
TOTAL					

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATERCLOSETS			URINALS	LAVATORIES			SHOWERS/TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE										
NEW	1	2	1	1	1	1	1		1	1
REQD										

SPECIAL APPROVALS
 Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPL, DHHS, etc., describe below)

ENERGY SUMMARY

0.3875 STUDS/W/WD SHEATHING/BRICK & CEMENTITIOUS BOARD
 WD TRUSSES/W/WD SHEATHING/ASPHALT 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): _____
 Climate Zone: 3A 4A 5A
 Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)

Thermal Envelope (Prescriptive method only)
 Roof/Ceiling Assembly (each assembly)
 Description of assembly: WD TRUSSES/W/WD SHEATHING/ASPHALT SHINGLES
 U-Value of total assembly: 0.03 REQD
 R-Value of insulation: R-42
 Skylights in each assembly: 2
 U-Value of skylight: 0.43
 total square footage of skylights in each assembly: 16 SF

Exterior Walls (each assembly)
 Description of assembly: 5.5" WD STUDS/W/WD SHEATHING/BRICK & CEMENTITIOUS BOARD
 U-Value of total assembly: _____
 R-Value of insulation: R20
 Openings (windows or doors with glazing)
 U-Value of assembly: 0.064 REQD
 Solar heat gain coefficient: 0.26 REQD
 projection factor: _____
 Door R-Values: _____

Walls below grade (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade
 Description of assembly: 4" CONCRETE SLAB ON GRADE
 U-Value of total assembly: _____
 R-Value of insulation: R15
 Horizontal/vertical requirement: EXTEND TO TOP OF FTG.
 slab heated: N/A

**2018 APPENDIX B (REFER TO STRUCTURAL SHEETS)
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)**

DESIGN LOADS:

Importance Factors: Snow (IS) _____
 Seismic (IE) _____

Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Ultimate Wind Speed _____ mph (ASCE-7)
 Exposure Category _____

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 _____ %g S1 _____ %g
Site Classification (ASCE 7) A B C D E F
 Data Source: Field Test Presumptive Historical Data
Basic structural system 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 (provide copy of test report) _____ psf
 Presumptive Bearing capacity _____ psf
 Pile size, type, and capacity _____

**2018 APPENDIX B (REFER TO MECHANICAL SHEETS)
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)**

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
 winter dry bulb: _____
 summer dry bulb: _____

Interior design conditions
 winter dry bulb: _____
 summer dry bulb: _____
 relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System
 Unitary
 description of unit: _____
 heating efficiency: _____
 cooling efficiency: _____
 size category of unit: _____
 Boiler
 Size category. If oversized, state reason: _____
 Chiller
 Size category. If oversized, state reason: _____
List equipment efficiencies: _____

**2018 APPENDIX B (REFER TO ELECTRICAL SHEETS)
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

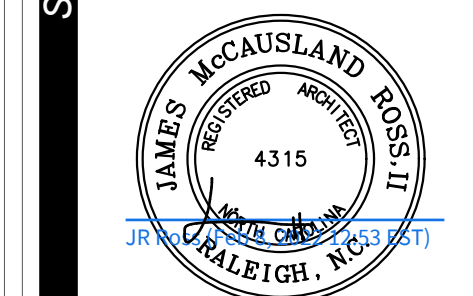
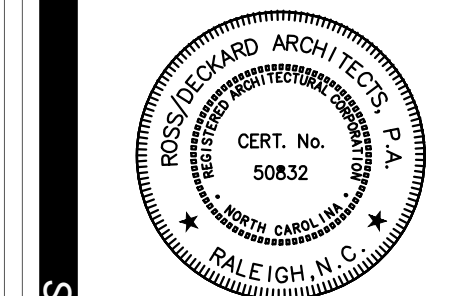
ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive

Lighting schedule (each fixture type)
 lamp type required in fixture _____
 number of lamps in fixture _____
 ballast type used in the fixture _____
 number of ballasts in fixture _____
 total wattage per fixture _____
 total interior wattage specified vs. allowed (whole building or space by space) _____
 total exterior wattage specified vs. allowed _____

Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)
 C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating



HATCHER CREEK, LLC
 COMM BLDG & POOL HOUSE
 @ THE GROVES AT 421
 LILLINGTON, NORTH CAROLINA

20-530.01

ASI 2 01-25-2022
 ASI 1 10-18-2021

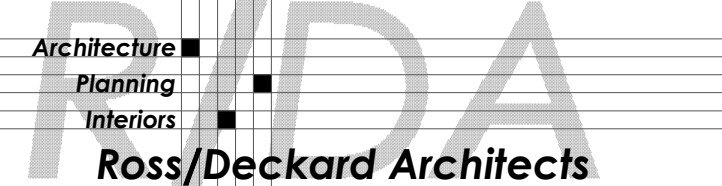
DATE August 30, 2021
 ISSUED FOR: Construction Permit

SP100

CODE SUMMARY SHEET
 COMMUNITY BUILDING

CS200

DRAWN BY: _____ CHECKED BY: _____



**2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL
COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)**

Name of Project: POOL HOUSE @ THE GROVES AT 421
 Address: 1585 E CORNELIUS HARNETT BOULEVARD
 Zip Code: LILLINGTON, NC 27546
 Owner/Authorized Agent: JAMES M. ROSS II/ARCHITECT
 Phone # 919.875.0001 Fax # 919.875.9200
 E-Mail JR@ROSSDECKARDARCHITECTS.COM & R.BLAKESLEE@ROSSDECKARDARCHITECTS.COM
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City CITY OF LILLINGTON
 County _____
 State _____

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Ross/Deckard Arch.	James M. Ross, AIA	NC4315/50832	919.875.0001	jr@rossdeckardarchitects.com
Civil	4D Site Solutions	Scott Brown	C-2354	910.426.6777	sbrown@4dsitesolutions.com
Electrical	Melling Engineering	Rick Melling, PE	NC 25029	919.810.3851	rmelling@mellingengineering.com
Fire Alarm					
Plumbing	Melling Engineering	Rick Melling, PE	NC 25029	919.810.3851	rmelling@mellingengineering.com
Mechanical	Melling Engineering	Rick Melling, PE	NC 25029	919.810.3851	rmelling@mellingengineering.com
Sprinkler-Standpipe					
Structural	Hauser-Creech, Inc.	Gabriel Hauser	NC 035814	919.817.7579	gabriel@hauser-creech.com
Retaining Walls > 5' High					
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building Addition Renovation
 1st Time Interior Completion
 Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
 Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14
 Alteration: Level I Level II Level III Change of Use
 Historic Property

CONSTRUCTED: (date) N/A CURRENT OCCUPANCY(S) (Ch. 3): N/A
 RENOVATED: (date) N/A PROPOSED OCCUPANCY(S) (Ch. 3): xxxxx
 RISK CATEGORY (Table 1604.5): Current: I II III IV
 Proposed: I II III IV

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 (check all that apply) I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes Flood Hazard Area: No Yes
 Special Inspections Required: No Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	NEW (SQ FT)
POOL HOUSE	428

ALLOWABLE AREA

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

Accessory Occupancy Classification(s): 428 SF
 Incidental Uses (Table 509): _____
 Special Uses (Chapter 4 - List Code Sections): _____
 Special Provisions: (Chapter 5 - List Code Sections): _____
 Mixed Occupancy: No Yes Separation: _____ Hr. Exception: _____
 Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
 Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

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

STORY NO.	DESCRIPTION AND USE	(A) BUILDING AREA PER STORY (ACTUAL)	(B) TABLE 506.2.4 AREA	(C) AREA FOR FRONTAGE INCREASE 1,5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED 2,3
1	A-3/S-2	428 SF	6,000 SF		

1 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 = (F)
 b. Total Building Perimeter = (P)
 c. Ratio (F/P) = (F/P)
 d. W = Minimum width of public way = (W)
 e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ _____ (%)
 2 Unlimited area applicable under conditions of Section 506.2.
 3 Maximum Building Area = total number of stories of 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 un-sprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²	40'	15'	
Building Height in Stories (Table 504.4) ³	1	1	

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
 2 The maximum height of air traffic control towers must comply with Table 412.3.1.
 3 The maximum height of open parking garages must comply with Table 406.5.4.

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
		REQD	PROVIDED (WITH REDUCTIONS*)				
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions							
Exterior Walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction including supporting beams and joists							
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit (BREEZEWAY)							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (Table 705.5)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLAN (%)

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 #:
 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 (1017)
 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 (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS		TYPE A UNITS		TYPE B UNITS		TOTAL ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESSIBLE	VAN SPACES WITH 12' ACCESSIBLE	
TOTAL					

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATERCLOSETS			LAVATORIES			SHOWERS/TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE									
NEW	1	2		1	2	2	1		
REQD									

SPECIAL APPROVALS
 Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPL, DHHS, etc., describe below)

ENERGY SUMMARY

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): _____
 Climate Zone: 3A 4A 5A
 Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: R-42
 Skylights in each assembly:
 U-Value of skylight: _____
 total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: R-13 + R3.8
 Openings (windows or doors with glazing)
 U-Value of assembly: _____
 Solar heat gain coefficient: _____
 projection factor: _____
 Door R-Values: _____

Walls below grade (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: R-15 to bottom of footing
 Horizontal/vertical requirement: _____
 slab heated: _____

2018 APPENDIX B REFER TO STRUCTURAL SHEETS
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
 (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (IS) _____
 Seismic (IE) _____

Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Ultimate Wind Speed _____ mph (ASCE-7)
 Exposure Category _____

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 _____ %g S1 _____ %g
Site Classification (ASCE 7) A B C D E F
 Data Source: Field Test Presumptive Historical Data
Basic structural system 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 (provide copy of test report) _____ psf
 Presumptive Bearing capacity _____ psf
 Pile size, type, and capacity _____

2018 APPENDIX B REFER TO MECHANICAL SHEETS
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
 (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
 winter dry bulb: _____
 summer dry bulb: _____

Interior design conditions
 winter dry bulb: _____
 summer dry bulb: _____
 relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System
 Unitary
 description of unit: _____
 heating efficiency: _____
 cooling efficiency: _____
 size category of unit: _____
 Boiler
 Size category. If oversized, state reason: _____
 Chiller
 Size category. If oversized, state reason: _____
List equipment efficiencies: _____

2018 APPENDIX B REFER TO ELECTRICAL SHEETS
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
 (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

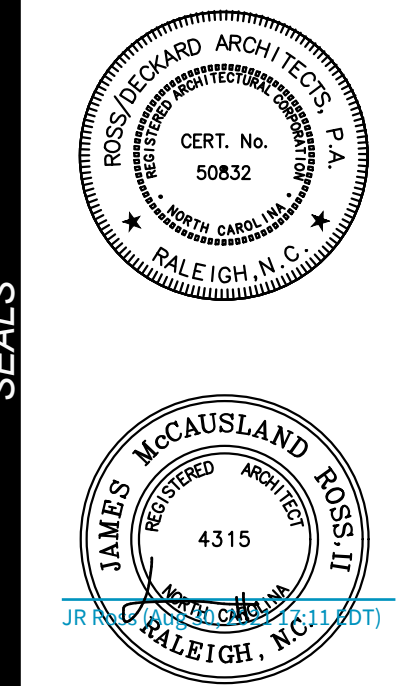
ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive

Lighting schedule (each fixture type)
 lamp type required in fixture _____
 number of lamps in fixture _____
 ballast type used in the fixture _____
 number of ballasts in fixture _____
 total wattage per fixture _____
 total interior wattage specified vs. allowed (whole building or space by space) _____
 total exterior wattage specified vs. allowed _____

Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)
 C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating



HATCHER CREEK, LLC
 COMM BLDG & POOL HOUSE
 @ THE GROVES AT 421
 LILLINGTON, NORTH CAROLINA

20-530.01

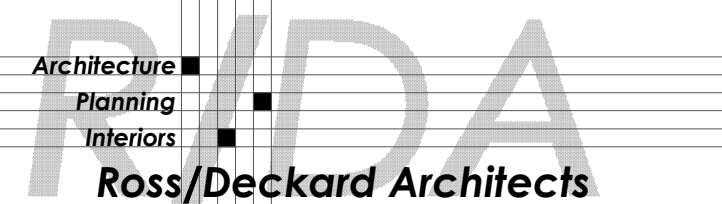
DATE August 30, 2021
 ISSUED FOR: Construction Permit

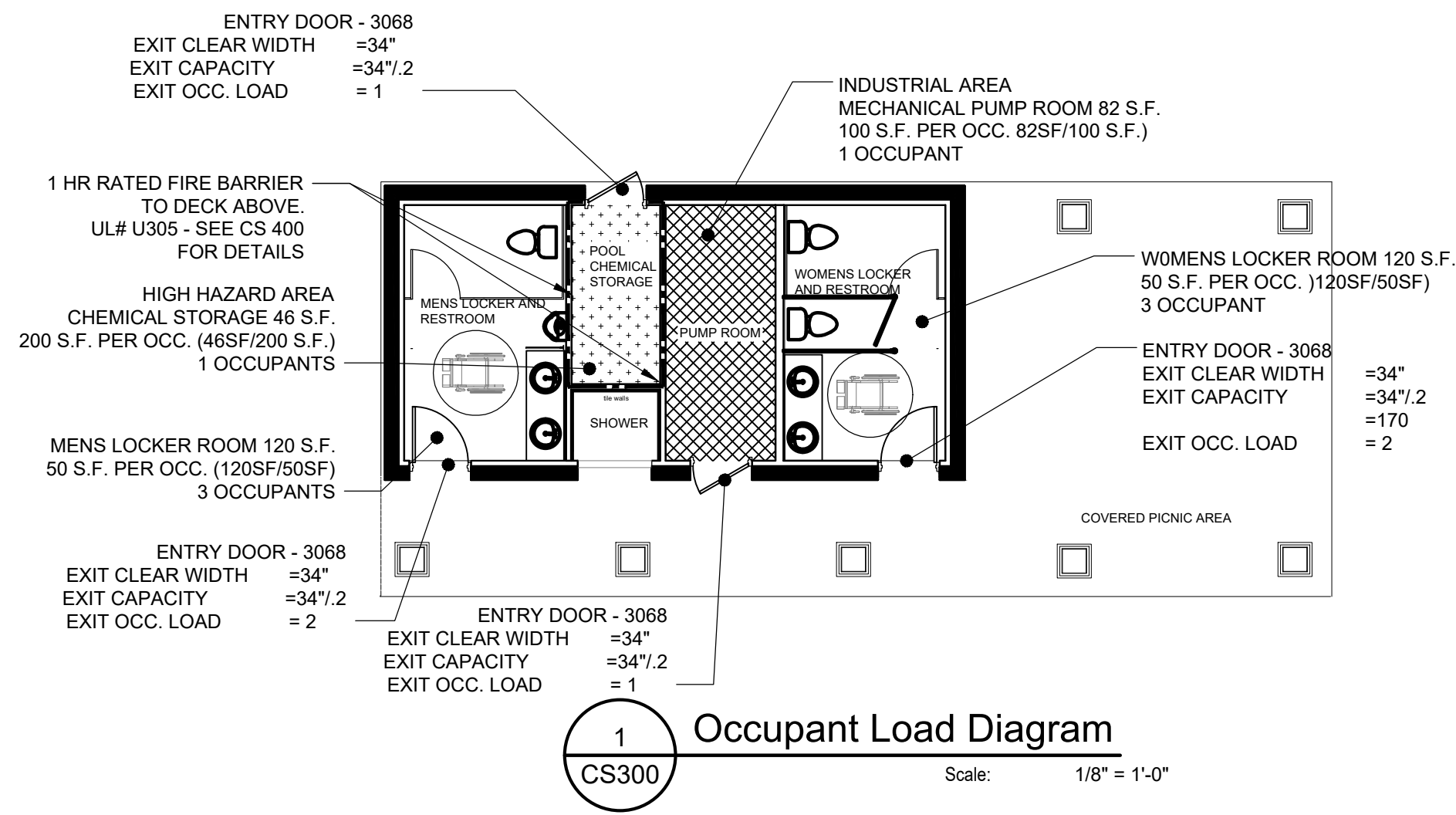
SP100

CODE SUMMARY SHEET
 POOL HOUSE

CS201

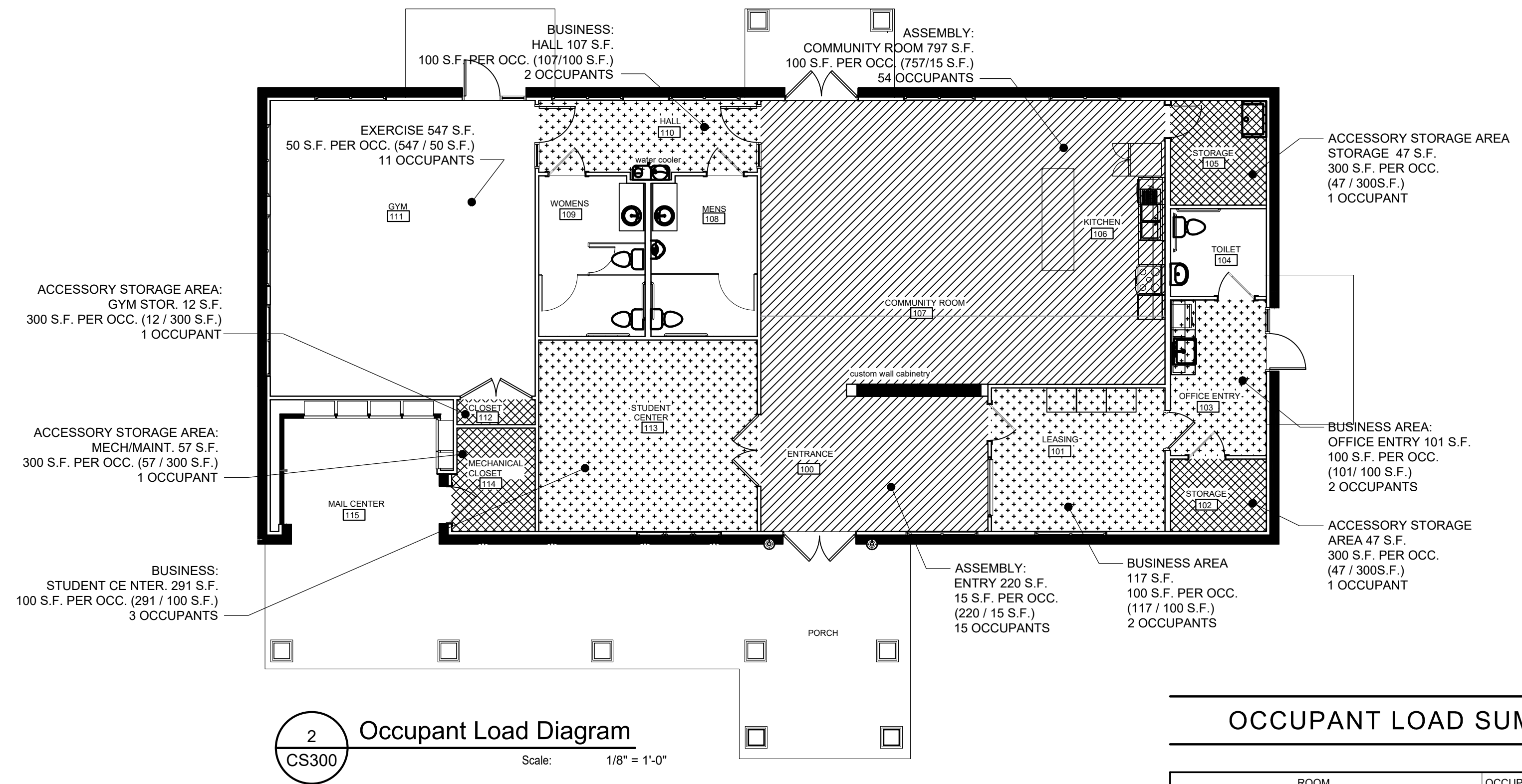
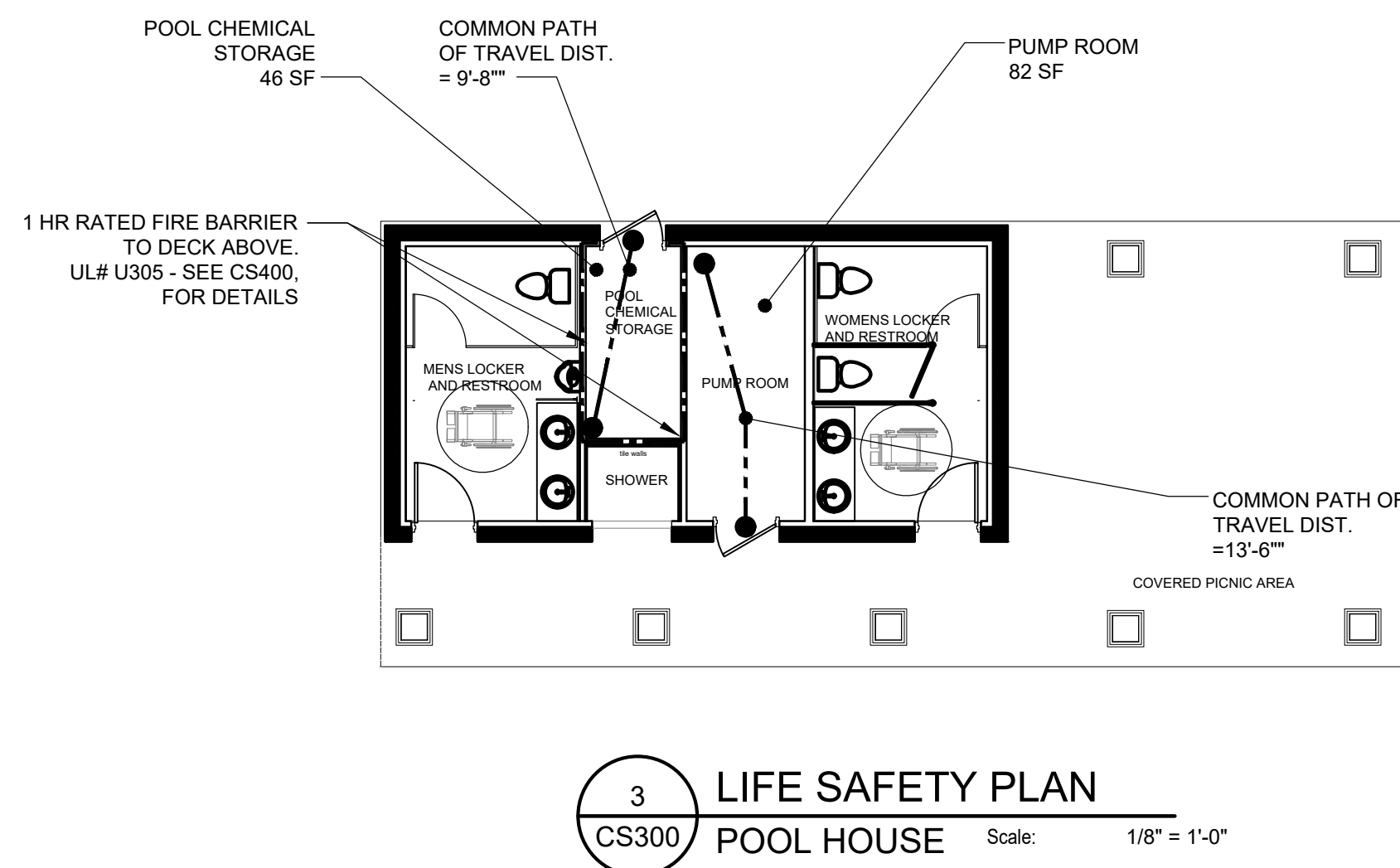
DRAWN BY: _____ CHECKED BY: _____





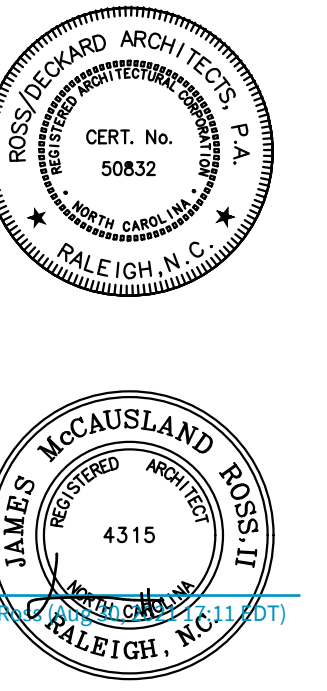
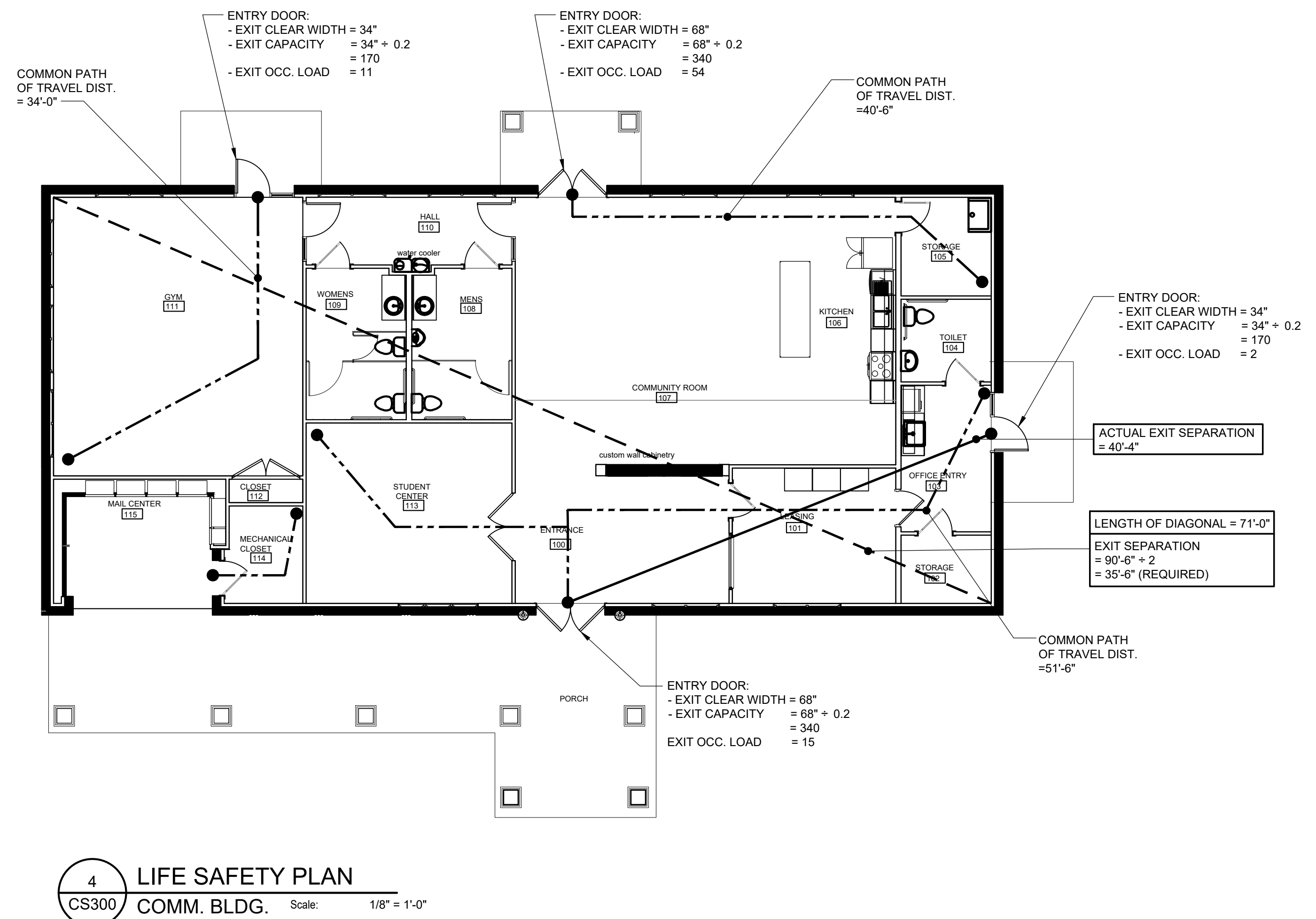
OCCUPANT LOAD SUMMARY

ROOM DESCRIPTION	OCCUPANT PER S.F.	TOTAL S.F.	OCCUPANT LOAD
POOL CHEMICAL STORAGE	200	46	1
PUMP ROOM	100	82	1
MENS LOCKER & RESTROOM	100	45	3
WOMENS LOCKER & RESTROOM	100	45	3
TOTAL			8



OCCUPANT LOAD SUMMARY

ROOM DESCRIPTION	OCCUPANT PER S.F.	TOTAL S.F.	OCCUPANT LOAD
BUSINESS - LEASING OFFICE 101	100	171	2
BUSINESS - OFFICE ENTRY 103	100	101	2
BUSINESS - HALL 110	100	107	2
BUSINESS - STUDENT CENTER 113	100	291	3
EXERCISE - EXERCISE ROOM 111	50	547	11
ASSEMBLY - ENTRY 100	15	220	15
ASSEMBLY - COMMUNITY ROOM 107	15	797	54
ACCESSORY STORAGE - FILE STORAGE 102	300	47	1
ACCESSORY STORAGE - STORAGE 105	300	69	1
ACCESSORY STORAGE - GYM STORAGE 113	300	12	1
ACCESSORY STORAGE - MAINTENANCE 114	300	57	1
TOTAL			93



SEALS

CONSULTANTS

HATCHER CREEK, LLC

PROJECT
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

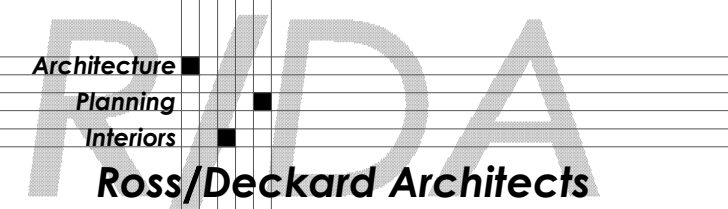
DATE August 30, 2021
ISSUED FOR: Construction Permit

SHEET# **SP100**

SHEET COMMUNITY & POOL BUILDINGS - LIFE SAFETY - OCCUPANCY LOAD

CS300

DRAWN BY: CHECKED BY:



UL Product IQ™

BXUV.U305 - FIRE-RESISTANCE RATINGS - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
Authorities Having Jurisdiction should be consulted before construction.
Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements.
When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design.
Fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies.
Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire Resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

Design No. U305

November 19, 2019

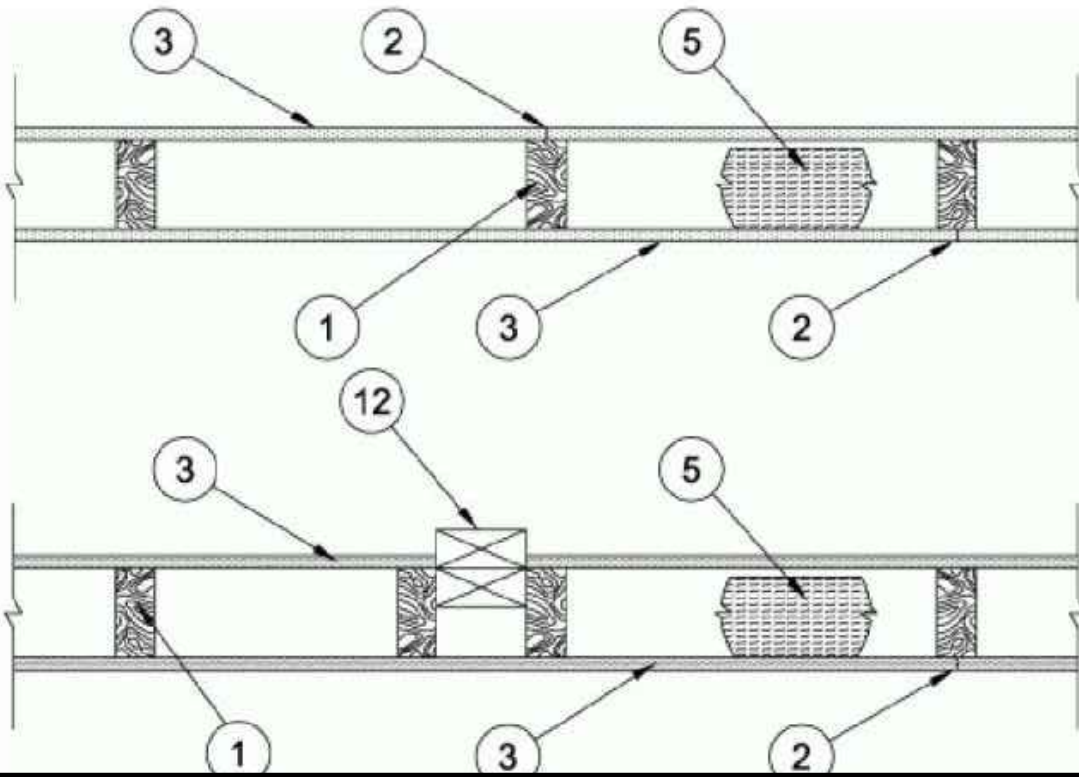
Bearing Wall Rating - 1 Hr

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

STC Rating - 56 (See Item 9)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV or BXUV7

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



- 1. Wood Studs - Nom 2 by 4 in. spaced 16 in. OC max; effectively firestopped.
2. Joints and Nail Heads - Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used.
3. Gypsum Board - 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges.
4. Steel Framing Members - Used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC.
5. Steel Framing Members - If used, two layers of gypsum panels attached to furring channels.
6. Steel Framing Members - If used, two layers of gypsum panels attached to furring channels.
7. Resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically.
8. American Gypsum Co - Types AGK-1 (finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGK-11 (finish rating 26 min.), Type AGK-12 (finish rating 22 min.), Type LightRoc (finish rating 23 min.) or Type AG-C.

CERTAINTEED GYPSUM INC - Type 1, Type SF3 (finish rating 20 min) or FRPC, Type C, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish rating 26 min).

CGC INC - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min), Type ULX (finish rating 20 min)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLX (finish rating 21 min), Type CLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C - Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPF51 (finish rating 20 min), Type GPF52 (finish rating 20 min), Type GPF56 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base Type LWX (finish rating 22 min), Water Rated Type LWX (finish rating 22 min), Sheathing Type LWX (finish rating 22 min), Soffit Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated Type DGLW (finish rating 22 min), Sheathing Type DGLW (finish rating 22 min), Soffit Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO - Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSWA (finish rating 21 min).

NATIONAL GYPSUM CO - Riyadh, Saudi Arabia - Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PGS-WRS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 PG-13 (Nails increased to 2 in.), or Type PG-C

PANEL REY S A - Type GREX, GRX, PRX, PRC, Types RHX, Guard Rey, MDX, ETX (finish rating 22 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL - Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min)

USG BORAL DRYWALL SFZ LLC - Type SQX (finish rating 24 min).

USG MEXICO S A DE C V - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), SCX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type ULX (finish rating 22 min)

3A. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 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 of other than 48 in., gypsum boards are to be installed horizontally. AMERICAN GYPSUM CO - Types AGK-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

CERTAINTEED GYPSUM INC - Type C, Type X or Type X-1 (finish rating 26 min)

CGC INC - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

NATIONAL GYPSUM CO - Type FSW (finish rating 24 min)

UNITED STATES GYPSUM CO - Type AR (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRX (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type FRX-G (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC - Types C, SCX, SGX (finish rating 24 min).

USG MEXICO S A DE C V - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX, Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

3B. Gypsum Board* - (As an alternate to Item 3) - Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. CGC INC - Types AR, IP-AR

UNITED STATES GYPSUM CO - Types AR, IP-AR

USG MEXICO S A DE C V - Types AR, IP-AR

3C. Gypsum Board* - (As an alternate to Items 3, 3A and 3B) - 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-1/4 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. Joint covering (Item 2) not required. CGC INC - Type SHX

UNITED STATES GYPSUM CO - Type SHX

USG MEXICO S A DE C V - Type SHX

1 UL U305 LOAD-BEARING CORRIDOR

SCALE: NTS

in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L 2011, Grade "C". RAY-BAR ENGINEERING CORP - Type RB-USG (finish rating 24 min)

3E. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, and 3D) - 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally. GEORGIA-PACIFIC GYPSUM L L C - Type DGG (finish rating 20 min), GreenGlass Type X (finish rating 23 min)

3F. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) - 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter. CGC INC - Type USGX (finish rating 22 min)

UNITED STATES GYPSUM CO - Type USGX (finish rating 22 min)

USG BORAL DRYWALL SFZ LLC - Type USGX (finish rating 22 min)

USG MEXICO S A DE C V - Type USGX (finish rating 22 min)

3G. Gypsum Board* - (As an alternate to Items 3 through 3F) - 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. GEORGIA-PACIFIC GYPSUM L L C - Type X ComfortGuard Sound DensGard Gypsum Board (finish rating 27 min)

3H. Gypsum Board* - (As an alternate to Items 3) - Not to be used with Items 6 or 7, 5/8 in. thick paper surfaced applied vertically only. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. NATIONAL GYPSUM CO - Type SBWB

3I. Gypsum Board* - (As an alternate to Items 3 through 3H, Not Shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock ES (finish rating 20 min)

3J. Gypsum Board* - (As an alternate to Item 3) - Not to be used with Items 6 or 7, 5/8 in. thick paper surfaced applied vertically or horizontally. Gypsum panels secured per Item 3 or 3A. CERTAINTEED GYPSUM INC - Type SilentFX

3K. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC with the last screw 1 in. from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally. NATIONAL GYPSUM CO - Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 24 min), Type FSL (finish rating 24 min)

3L. Gypsum Board* - (As an alternate to Item 3) - For Direct Application to Studs Only - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L 2011, Grades "B, C or D". HAYCO INDUSTRIES INC - "X-Ray Shielded Gypsum"

3M. Gypsum Board* - (As an alternate to Items 3) - For Direct Application to Studs Only - For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L 2011, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4. RADIATION PROTECTION PRODUCTS INC - Type PPP - Lead Lined Drywall

3N. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick, 4 ft wide, applied horizontally or vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A. CERTAINTEED GYPSUM INC - Easy-Lite Type X (finish rating 24 min), Easy-Lite Type X-2 (finish rating 24 min)

3O. Wall and Partition Facings and Accessories* - (As an alternate to Item 3, Not Shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock 527 (finish rating 24 min)

3P. Gypsum Board* - (As an alternate to Item 3, Not Shown) - Two layers, nom 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by wood studs. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in. long drywall nails spaced 8 in. OC. Face layer gypsum panels fastened to studs with 1-7/8 in. long drywall nails spaced 8 in. OC starting with a 4" stagger. NATIONAL GYPSUM CO - Type FSW (finish rating 25 min)

3Q. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 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 LGLX

3R. Gypsum Board* - (As an alternate to Item 3. For use with Item 5H) - Any 5/8 in. thick, 4 ft wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

3S. Gypsum Board* - 3/4 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type PG-13

3T. Wall and Partition Facings and Accessories* - (As an alternate to 5/8 in. thick board as outlined in Item 3) - Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock 545

4. Steel Corner Fasteners - (Optional) - For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC, nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. Batts and Blankets* - (Optional - Required when Item 6A is used (RC-1)) - Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be friction-fitted to completely fill the stud cavities. CERTAINTEED CORP

JOHNS MANVILLE

KNAUF INSULATION LLC

MANSON INSULATION INC

ROCK WOOL MANUFACTURING CO - Delta Board

ROCKWOOL - Acoustical Fire Batts - Type AFB, min. density 1.69 pcf / 27.0 kg/m³

THERMAFIBER INC - Type SAFB, SAFB FF

5A. Fiber, Sprayed* - (Not Shown - Not for use with Item 6) - 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. When Item 6B is used, Fiber, Sprayed shall be IN5735, IN5745, IN5750LD, IN5765LD or IN5773LD.

5B. Fiber, Sprayed* - (Not Shown - Not for use with Item 6) - As an alternate to Batts and Blankets (Item 5) - 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 resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall. THERMAFIBER INC - Type SAFB, SAFB FF

5D. Glass Fiber Insulation - (As an alternate to Item 5C) - 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

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

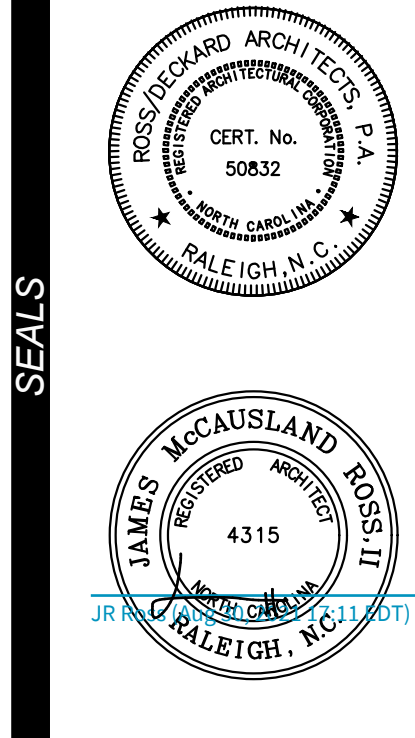
5F. Fiber, Sprayed* - (Optional, Not Shown - Not for use with Items 6, 6A, 6B, 6C, or 6D) - As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCA2). AMERICAN ROCKWOOL MANUFACTURING, LLC - Type Rockwool Premium Plus

5G. Fiber, Sprayed* - (Optional, Not Shown - Not for use with Items 6, 6A, 6B, 6C, or 6D) - As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.20 lb/ft³. INTERNATIONAL CELLULOSE CORP - Celbar-RL

5H. Foamed Plastic* - (Optional - For use with Item 3R) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. SES FOAM INC - Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucrasee Spray Foam.

5I. Fiber, Sprayed* - (Not Shown - Not for use with Item 6) - 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. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face of the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³. APPLIGATE HOLDINGS L L C - Appligate Advanced Stabilized Cellulose Insulation

6. Steel Framing Members* - (Optional, Not Shown) - Furring channels and Steel Framing Members as described below.



PROJECT CONSULTANTS

HATCHER CREEK, LLC

COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

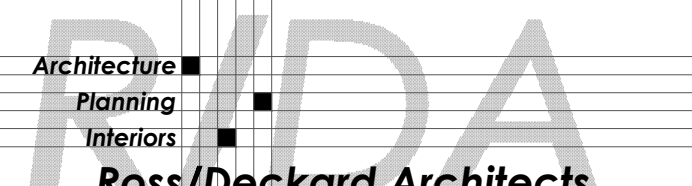
DATE August 30, 2021 ISSUED FOR: Construction Permit

SET# SP100

SHEET UL U305 1 OF 2

CS400

DRAWN BY: CHECKED BY:



a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members** — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) 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. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. **PAC INTERNATIONAL L L C** — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75)

6A. **Steel Framing Members*** — (Optional, Not Shown) — Furring channels and Steel Framing Members on one side of studs as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members** — Used to attach furring channels (Item 6Aa) to one side of studs only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. **KINETICS NOISE CONTROL INC** — Type Isomax

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

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

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

6C. **Steel Framing Members*** — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members*** — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC, and secured to studs with No. 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips. **STUDCO BUILDING SYSTEMS** — RESLMOUNT Sound Isolation Clips - Type A237 or A237R

6D. **Steel Framing Members*** — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members** — Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. **REGIOL AMERICA** — Type SonusClip

6E. **Steel Framing Members*** — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 3.

b. **Steel Framing Members** — Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan head self-drilling screw. **KEENE BUILDING PRODUCTS CO INC** - Type RC+ Assurance Clip

6F. **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, 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members** — Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips 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. **CLARKDIETRICH BUILDING SYSTEMS** — Type ClarkDietrich Sound Clip

7. **Furring Channel** — Optional — Not Shown — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC. Flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 5C or 5D is required.

8. **Caulking and Sealants** — (Not Shown, Optional) — A bead of acoustical sealant applied around the partition perimeter for sound control.

9. **STC Rating** — The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:

- A. Item 2, above — Nailheads Shall be covered with joint compound.
B. Item 2, above — Joints As described, shall be covered with fiber tape and joint compound.
C. Item 5, above — Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.
D. Item 6, above — Steel Framing Members* Type RSIC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.

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

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

10. **Wall and Partition Facings and Accessories*** — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-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

11. **Cementitious Backer Units*** — (Optional Item Not Shown) — For Use On Face Of 1 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

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

13. **Mesh Netting** — (Not Shown) — Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

14. **Mineral and Fiber Board*** — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with 2 in. long Type W steel screws, spaced 12 in. OC. 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. **HOMASOTE CO** — Homasote Type 440-32

14A. **Mineral and Fiber Board*** — (Optional, Not Shown) — For use with Items 14B-14E) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with minimum 1-3/8 in. long ring shanked nails or 1-1/4 in. long Type W steel screws, spaced 12 in. OC along board edges and 24 in. OC in field of board along intermediate framing. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. **HOMASOTE CO** — Homasote Type 440-32

14B. **Glass Fiber Insulation** — (For use with Item 14A) — 3-1/2 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) categories for names of Classified companies.

14C. **Batts and Blankets*** — (As an alternate to Item 14B, For use with Item 14A), 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC. **THERMAFIBER INC** — Type SAFB, SAFB FF

14D. **Adhesive** — (For use with Item 14A) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

14E. **Gypsum Board*** — (For use with Item 14A) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 14A). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 Min. **AMERICAN GYPSUM CO** — Type AG-C

CERTAINTED GYPSUM INC — Type FRPC, Type C

CGC INC — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REV S A — Type PRC

THAI GYPSUM PRODUCTS PCL — Type C

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

USG BORAL DRYWALL SFZ LLC — Type C

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

14F. **Mineral and Fiber Board** — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide, square edge fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL Classified Gypsum Board (Item 3). Fiber boards installed with 1-1/4 in. long, Type W, bugle head, coarse thread gypsum board screws spaced 12 in. OC max, with the last screws spaced 2 in. and 6 in. from edge of board. Gypsum board (Item 3) 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. **BLUE RIDGE FIBERBOARD INC** — SoundStop

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

Last Updated on 2019-11-19

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Isolation Clips - Type A237 or A237R

14C. **Batts and Blankets*** — (As an alternate to Item 14B, For use with Item 14A), 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC.

THERMAFIBER INC — Type SAFB

14D. **Adhesive** — (For use with Item 14A) - Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

14E. **Gypsum Board*** — (For use with Item 14A) - 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 14A). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 Min.

AMERICAN GYPSUM CO — Type AG-C

CERTAINTED GYPSUM INC — Type FRPC, Type C

CGC INC — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REV S A — Type PRC

centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

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

13. **Mesh Netting** — (Not shown) - Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

14. **Mineral and Fiber Board*** — (Optional, Not shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with 2 in. long Type W steel screws, spaced 12 in. OC. 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.

HOMASOTE CO — Homasote Type 440-32

THAI GYPSUM PRODUCTS PCL — Type C

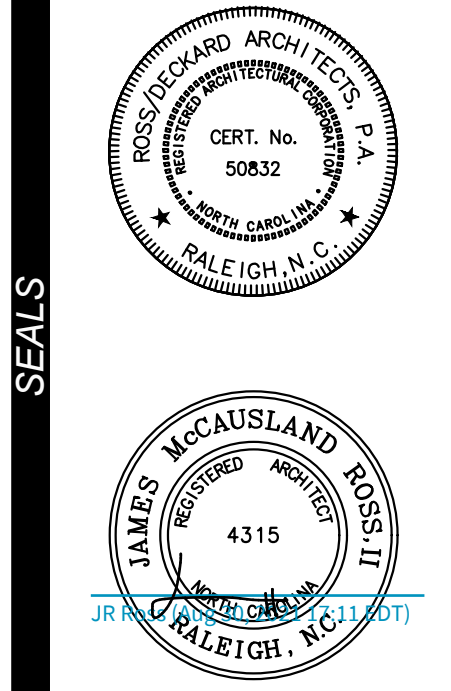
UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG BORAL ZAWAWI DRYWALL L L C SFZ — Type C

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

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

Last Updated on 2015-08-28



SEALS

CONSULTANTS

HATCHER CREEK, LLC

COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

DATE

DATE: August 30, 2021 ISSUED FOR: Construction Permit

SET#

SP100

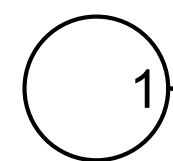
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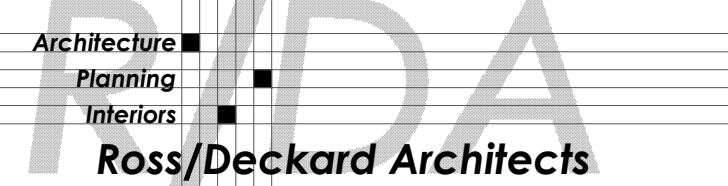
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DRAWN BY: CHECKED BY:



UL U305 LOAD-BEARING CORRIDOR

SCALE: NTS



ABBREVIATIONS

A.B.	ANCHOR BOLT	ELEC.	ELECTRICAL	LAM	LAMINATE	SC	SOLID CORE	U/C	UNDER COUNTER
A/C.	AIR CONDITIONING	EQ	EQUAL	LAV	LAVATORY	SCHED.	SCHEDULE	U.F.	UNDER FLOOR
ACT.	ACOUSTICAL CEILING TILE	EQUIP.	EQUIPMENT	LF	LINEAR FEET/FOOT	SD	SMOKE DETECTOR	UL	UNDERWRITER'S LABORATORY
AFF	ABOVE FINISHED FLOOR	E.W.	EACH WAY	LT. WT.	LIGHT WEIGHT	SECT.	SECTION	UNO	UNLESS NOTED OTHERWISE
AHU	AIR HANDLING UNIT	EXIST.	EXISTING	MANUF.	MANUFACTURER	S.F.	SQUARE FEET	V.B.	VAPOR BARRIER
ALUM.	ALUMINUM	EXT	EXTERIOR	MAX.	MAXIMUM	SHT.	SHEET	VCT	VINYL COMPOSITION TILE
APPROX	APPROXIMATE	FA	FIRE ALARM	MCH.	MECHANICAL	SIM	SIMILAR	VWC	VINYL WALLCOVERING
ARCH.	ARCHITECTURAL	F.D.	FLOOR DRAIN	MTL.	METAL	SPEC.	SPECIFICATION	W/	WITH
AUTO	AUTOMATIC	F.F.	FINISH FLOOR	MIN.	MINIMUM	SPR	SPRINKLER	W/O	WITHOUT
		FOUND.	FOUNDATION	MISC	MISCELLANEOUS	SQ.	SQUARE	WC	WATER COOLER
BLDG.	BUILDING	FTG.	FOOTING	N.I.C.	NOT IN CONTRACT	SST	STAINLESS STEEL	WD	WOOD
BOT.	BOTTOM			NTS	NOT TO SCALE	STA.	STATION		
B.S.	BOTHSIDES	G.B.	GRAB BAR			STD.	STANDARD		
CAB	CABINET	G.C.	GENERAL CONTRACT(OR)			STL	STEEL		
CFM	CUBIC FEET PER MINUTE	GA.	GAUGE	O.C.	ON CENTER	STRUC	STRUCTURAL		
C.J.	CONTROL JOINT	GALV.	GALVANIZED	O/W	OTHERWISE	SUSP.	SUSPENDED		
CLG.	CEILING	GLAZ.	GLASS/GLAZING	PREFAB.	PREFABRICATE(D)	SYM	SYMBOL		
CLR.	CLEARANCE	GWB	GYPSPUM WALLBOARD	PLB.G.	PLUMBING	SYS.	SYSTEM		
CMU	CONCRETE MASONRY UNIT			PTD.	PAINT(ED)	T&B	TOP AND BOTTOM	∠	ANGLE
COL.	COLUMN	H.C.	HANDICAP	PROJ.	PROJECT	T.B.D.	TO BE DETERMINED	℄	CENTER LINE
CONC.	CONCRETE	H.M.	HOLLOW METAL	PWD	PLYWOOD	TEL	TELEPHONE	∅	DIAMETER OR PHASE
CONT.	CONTINUOUS	HT.	HEIGHT	QTY.	QUANTITY	TEMP	TEMPERATURE	ℓ	PLATE
COORD.	COORDINATE	HW	HOT WATER			T.G.	TEMPERED GLASS		
CPT	CARPET	I.G.	INSULATED GLASS			THK.	THICKNESS		
CT	CERAMIC TILE	INCL	INCLUDING	R.B.	RUBBER BASE	T.O.C.	TOP OF CURB		
CTR	CENTER	INFO	INFORMATION	REF	REFERENCE	T.O.F.	TOP OF FOOTING		
CW	COLD WATER	INSUL	INSULATION	REINF.	REINFORCING	T.O.PVMT.	TOP OF PAVEMENT		
		INT	INTERIOR	REQ'D	REQUIRED	T.O.S.	TOP OF STEEL		
DIA.	DIAMETER	JAN	JANITOR	REV.	REVISION	T.O.SL.	TOP OF SLAB		
DIM	DIMENSION(ED)	JB	JUNCTION BOX	RM.	ROOM	T.O.W.	TOP OF WALL		
DN.	DOWN					TV	TELEVISION		
DS	DOWNSPOUT					TYP.	TYPICAL		
DTL.	DETAIL								
DWG.	DRAWING								

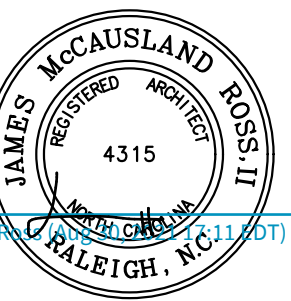
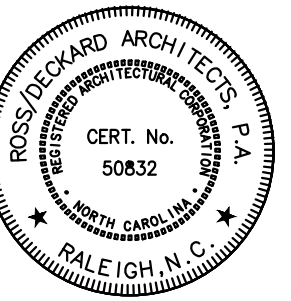
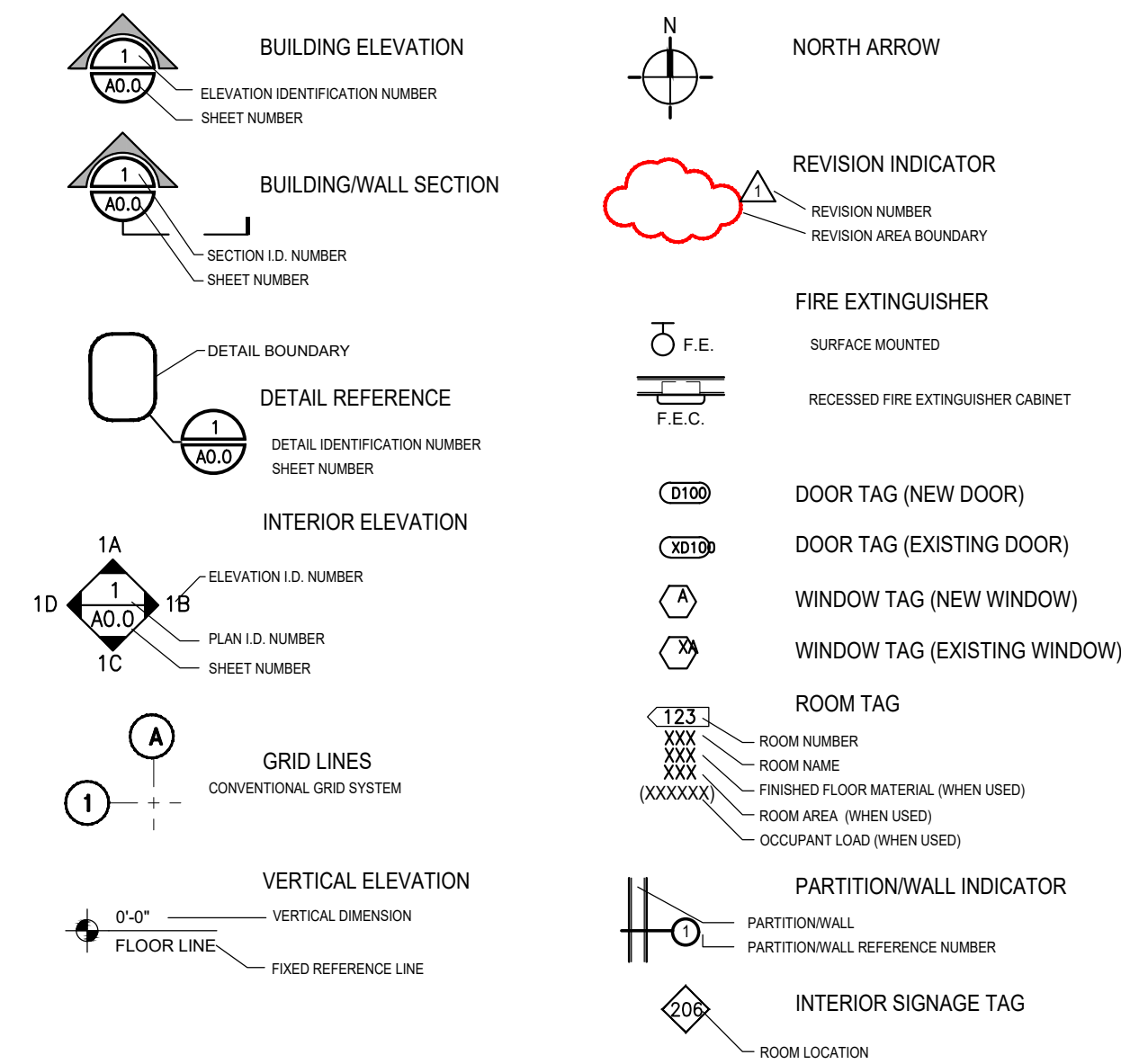
GENERAL CONSTRUCTION NOTES

- C1. DIMENSIONS FOR NEW CONSTRUCTION: TAKEN FROM BUILDING LINE/EDGE OF SLAB, FACE OF MASONRY UNITS, FACE OF STUD, AND/OR EDGE OF STOREFRONT SYSTEM TO EXISTING CONSTRUCTION AND/OR COLUMN GRID LINE REFERENCE, UNLESS OTHERWISE NOTED.
- C2. CONSTRUCTION STAGING AND DUMPSTER LOCATION(S) WILL BE OUTLINED AT PRE-CONSTRUCTION MEETINGS. NO TRUCKS OR EQUIPMENT ARE ALLOWED ON WALKS OR GRASS AREAS WITHOUT PRIOR CONSENT FROM OWNER.
- C3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SECURING THE BUILDING AND MAKING SURE ALL LIGHTS ARE OUT IN GENERAL CONSTRUCTION AREA AT THE END OF EACH BUSINESS DAY.
- C4. CONTRACTOR SHALL MAINTAIN ALL EXISTING LIFE SAFETY SYSTEMS IN GOOD WORKING ORDER THROUGHOUT THE DURATION OF THE PROJECT. THESE MAY INCLUDE EXISTING SPRINKLER SYSTEMS, SMOKE DETECTORS, FIRE ALARMS, EMERGENCY LIGHTING, ETC. WHEN APPLICABLE.
- C5. CONTRACTOR SHALL INSTALL AND MAINTAIN ANY REQUIRED PROTECTIVE COVERINGS, INCLUDING BUT NOT LIMITED TO TEMPORARY DOORS AND PARTITIONS, WINDOW OPENINGS, DUST BARRIERS, GLASS AND/OR FLOOR PROTECTION, AS REQUIRED TO PROTECT THE NEW CONSTRUCTION.
- C6. GENERAL CONTRACTOR TO PROVIDE ALL BLOCKING FOR INSTALLATION OF CASEWORK (BASE/OVERHEAD CABINETS, WALL SUPPORTED WORKSURFACES, GRAB BARS, HANDRAILS, ETC.). BLOCKING REQUIREMENTS FOR CUSTOM CASEWORK, TO BE INCLUDED BY THE CONTRACTOR, AND COORDINATED WITH MANUFACTURER.
- C7. ALL COMMON AREAS, INCLUDING HALLWAYS, REST ROOMS, ELEVATORS, WALKS, GROUNDS, ETC., SHALL BE KEPT CLEAN DURING CONSTRUCTION.
- C8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PREPARATION REQUIRED PRIOR TO THE INSTALLATION OF ANY FLOOR COVERINGS. THIS INCLUDES FLASH PATCHING TO PROVIDE A LEVEL FLOOR TO A TOLERANCE OF 1/4" IN 10'.
- C9. THE CONTRACTOR TO MAINTAIN 18" CLEAR FROM DOOR STOP TO ADJACENT PERPENDICULAR SURFACE ON PULL SIDE OF ALL DOORS.
- C10. ALL 'IDENTIFIED' EXITS MUST BE ACCESSIBLE. SEE ELECTRICAL DRAWING FOR LOCATION OF DOORS.
- C11. LANDING AT DOORS AND PARKING SPACE FOR HANDICAP SHALL HAVE MAXIMUM SLOPE 1/4" PER FOOT.
- C12. FIRE ALARM INSTALLATION PERSONNEL SHALL BE QUALIFIED OR SHALL BE SUPERVISED BY PERSONS WHO ARE QUALIFIED IN THE INSTALLATION, INSPECTION, AND TESTING OF COMMERCIAL FIRE ALARM SYSTEMS. (NICE II OR COMPARABLE)
- C13. SHOP DRAWINGS WITH CUT SHEETS AND CALCULATIONS TO BE SUBMITTED TO PERMIT OFFICE ON FIRE ALARM AND SPRINKLER SYSTEMS.
- C14. DESIGN-BUILD SPRINKLER CONTRACTOR IS TO BE LICENSED AND APPROVED BY THE STATE OF NORTH CAROLINA FIRE MARSHAL'S OFFICE. SPRINKLER SYSTEM IS TO BE DESIGNED TO MEET THE REQUIREMENTS OF NFPA 13R IN ENTIRETY INCLUSIVE OF SIZES AND TYPES OF MATERIALS ALLOWED, COVERAGE, LOCATION AND TYPE OF HEADS, ETC. SMOKE DETECTORS IN DWELLING UNITS ARE NOT TO BE LOCATED WITHIN 3' OF AND AIR DIFFUSER.

GENERAL NOTES

- G1. THE GENERAL CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL NECESSARY PERMITS TO PERFORM REQUIRED DEMOLITION AND CONSTRUCTION AS INDICATED IN THE CONTRACT DOCUMENTS.
- G2. THE GENERAL CONTRACTOR SHALL VISIT AND BE FAMILIAR WITH THE JOB SITE PRIOR TO SUBMITTING A BID FOR THE WORK. THE CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS. ALL DISCREPANCIES NOTED SHALL BE IDENTIFIED AND NOTICE GIVEN TO THE OWNER PRIOR TO SUBMITTING BIDS. COST OF THE WORK SHALL INCLUDE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS AND/OR IMPLIED BY EXISTING FIELD CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN THE PROPOSED WORK AND THE EXISTING CONDITIONS.
- G3. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY CONFLICTS BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS. CONTRACTOR SHALL NOT SCALE DRAWINGS, DIMENSIONS ARE TO GOVERN.
- G4. THE GENERAL CONTRACTOR SHALL ISSUE COMPLETE SETS OF CONTRACT DOCUMENTS TO EACH OF THE SUBCONTRACTORS SO THAT THEY MAY PROPERLY COORDINATE THEIR PORTIONS OF THE WORK. THE OWNER SHALL NOT BE RESPONSIBLE FOR ANY ADDITIONAL COST DUE TO THE DISTRIBUTION OF PARTIAL SETS.
- G5. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE FAMILIAR WITH THE COMPLETE SET OF CONTRACT DOCUMENTS. EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INDICATED OR DESCRIBED ON ANY OF THE CONTRACT DOCUMENTS THAT CORRESPONDS TO THEIR RESPECTIVE TRADE.
- G6. OMISSIONS OR CONFLICTS, BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, SPECIFICATIONS, NOTES, AND/OR DETAILS, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR AND SHALL BE RESOLVED BY THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK OR RELATED WORK.
- G7. "AS BUILT" DOCUMENTS WILL BE REQUIRED BY THE BUILDING OWNER. ALL RECORD DOCUMENTS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND COMPLETE DOCUMENTS DELIVERED TO THE OWNER PRIOR TO FINAL PAYMENT.
- G8. CODE COMPLIANCE AND LIFE SAFETY ALL WORK SHALL CONFORM TO:
 - 2018 NCSBC (VARIOUS VOLUMES), 2009 ICC/ANSI A117.1
 - ORDINANCES, RULES, AND/OR REGULATIONS OF HARNETT COUNTY AND CITY OF LILLINGTON, NORTH CAROLINA
- G9. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH THE BUILDING INSPECTION DEPARTMENT FOR ROUGH-IN AND FINAL INSPECTION APPROVALS IN ORDER TO RECEIVE THE BUILDING FINAL AND CERTIFICATE OF OCCUPANCY.
- G10. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY COMMENTS AND/OR DIRECTIVES ISSUED BY THE BUILDING INSPECTOR THAT DIFFER FROM THOSE CONDITIONS DESCRIBED IN THE CONTRACT DOCUMENTS.
- G11. THE GENERAL CONTRACTOR SHALL SUBMIT MSDS SHEETS FOR HAZARDOUS MATERIALS AS REQUIRED BY COMPANY SAFETY PROGRAMS, STATE AND LOCAL AGENCIES, AND/OR FEDERAL STATUTES (OSHA).
- G12. THERE SHALL BE NO SUBSTITUTIONS MADE WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER/ARCHITECT.
- G13. WITHIN 21 DAYS AFTER COMMENCING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY REQUIRED MATERIALS THAT ARE NOT READILY AVAILABLE AND THAT MAY DELAY THE COMPLETION OF THE PROJECT.
- G14. ALL WORK BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL PREVAILING UL RATED FIRE ASSEMBLIES AND/OR OTHER MISCELLANEOUS FIRE RATINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, FIRE DAMPERS, LIGHT FIXTURE PROTECTION, PIPE PENETRATIONS, AND RATED DEMISING WALLS.
- G15. MAINTAIN THE INTEGRITY OF THE FIRE RESISTANCE RATING OF RATED SHAFT ENCLOSURES AND/OR RATED PARTITIONS AT ALL RECESSED WALL AND/OR CEILING DEVICES. INCLUDING BUT NOT LIMITED TO SWITCHES, OUTLETS, EXHAUST FANS, LIGHT FIXTURES, ETC.
- G16. PENETRATIONS OF PIPES, CONDUITS, SWITCHES, OUTLETS, ETC. AT RATED ASSEMBLIES SHALL BE FIRE STOPPED, AS REQUIRED, BY THE CONTRACTOR RESPONSIBLE FOR THE TRADE TO MAINTAIN RATING.
- G17. THE INTENT OF THE DRAWINGS IS TO PROVIDE NECESSARY INFORMATION IN THE MOST APPROPRIATE GENERAL CATEGORY AND SUB CATEGORY WITH MINIMAL REPETITION OR DUPLICATION. THE CONTRACTOR SHALL UTILIZE ALL GENERAL CATEGORIES AND SUB CATEGORIES OF THE DRAWINGS.
- G18. TYPICAL DETAILS SHOWN ON THE DRAWINGS SHALL BE INCORPORATED AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY REFERENCED AT EACH LOCATIONS OR NOT.
- G19. WHEN MANUFACTURER'S INSTALLATION DETAILS AND INSTRUCTIONS (FOR ANY BUILDING COMPONENT) EXCEED WHAT HAS BEEN INDICATED ON THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NO ADDITIONAL COST TO OWNER.
- G20. THE GENERAL CONTRACTOR SHALL PROVIDE THE OWNER A WRITTEN WARRANTY THAT ALL WORK, MATERIALS, AND EQUIPMENT FURNISHED AND/OR INSTALLED UNDER THIS CONTRACT SHALL BE NEW AND IN GOOD WORKING CONDITION FOR A PERIOD OF ONE YEAR BEYOND THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
- G21. THE GENERAL CONTRACTOR SHALL CLEAN THE PREMISES IMMEDIATELY PRIOR TO OCCUPANCY OF THE SPACE BY THE OWNER. THIS INCLUDES VACUUMING, MOPPING, WAXING, SEALING VCT, AND CLEANING OF THE WINDOWS AND BLINDS, REMOVAL OF ALL CONSTRUCTION DEBRIS, ETC.
- G22. REFER TO AIA DOCUMENT A201-1997 FOR COMPLETE GENERAL CONDITIONS OF THE CONTRACT.
- G23. PROVIDE 5 LB. ABC TYPE FIRE EXTINGUISHER WITH SURFACE MOUNTED ATTACHMENT. LOCATION TO BE REVIEWED BY FIRE MARSHAL PRIOR TO INSTALLATION.

SYMBOL LEGEND



SEALS

CONSULTANTS

HATCHER CREEK, LLC

COMM BLDG & POOL HOUSE @ THE GROVES AT 421

LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

DATE

DATE: August 30, 2021
ISSUED FOR: Construction Permit

SET#

SP100

SHEET

GENERAL NOTES

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CS500

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FOUNDATION NOTES:

1. PROVIDE 4" CONCRETE SLAB ON GRADE REINFORCED W/ WWF 6x6-W1.4xW1.4 OVER 10 MIL POLY VAPOR BARRIER (LAP EDGES 6" MIN.) OVER 4" POROUS BASE. POROUS BASE MATERIAL MAY BE OMITTED ONLY IF WRITTEN APPROVAL IS PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. ALL DIMENSIONS REFERENCED TO EDGE OF SLAB AND FACE OF STUD WALL FRAMING. SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
3. SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
4. SEE DETAIL 1/S-3 FOR SLAB CONTROL JOINTS (C.J.). ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL.
5. LOCATE CONTROL JOINTS UNDERNEATH NON-BEARING WALLS WHERE POSSIBLE.
6. SLOPE EXTERIOR CONCRETE SLABS AND WALKWAYS AWAY FROM BUILDING.
7. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
8. SEE DETAILS FOR SIZES AND REINFORCING.
9. PROVIDE (2) 5'-0" LONG #4 BARS AT RE-ENTRANT CORNERS, PLACE AT MID-DEPTH OF SLAB.
10. INTERIOR FOOTING DIMENSIONS SHOULD NOT BE USED TO LOCATE INTERIOR WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL INTERIOR WALL DIMENSIONS.
11. IN ADDITION TO TYPICAL SILL PLATE ANCHORAGE SPECIFIED IN THE FOUNDATION DETAILS, PROVIDE SIMPSON HDUS HOLDOWNS WHERE INDICATED ON THE FOUNDATION DRAWINGS AS "HD". REFER TO DETAIL 7/S3 FOR INSTALLATION.
12. FOUNDATIONS HAVE BEEN DESIGN BASED ON THE GEOTECHNICAL REPORT BY GCS PROJECT #33.5266, DATED JULY 27, 2020. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT THE BUILDING PAD IS PREPARED TO PROVIDE A MINIMUM ALLOWABLE BEARING PRESSURE OF 2500 PSF.

AMENITY BUILDING WALL SCHEDULE

1. ALL STUDS WALLS SHALL BE CONSTRUCTED FROM 2x4 S.P.F. No.2 STUDS OR SYP No. 2 STUDS
2. ALL STUD WALLS SHALL BE SPACED AT 12" O.C. AT 10' PLATE HEIGHTS. STUD WALLS LESS THAN 10' MAY BE SPACED AT 16" O.C.
3. ALL STUD WALLS SHALL HAVE A SINGLE 2x4 P.T. SILL PLATE AND DOUBLE 2x4 TOP PLATES.

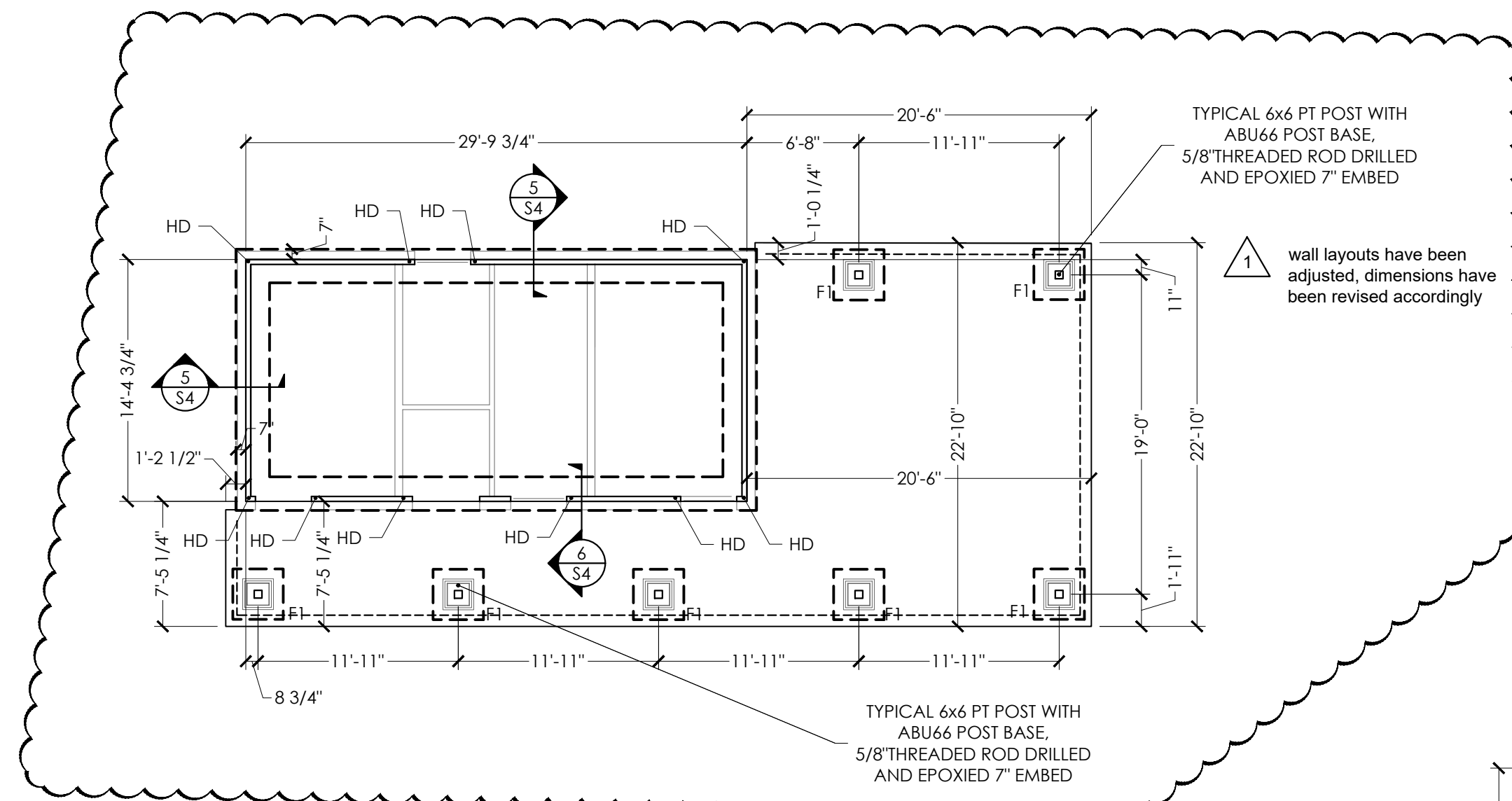
LATERAL WALL BRACING AND TIE DOWNS

4. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 7/8" OSB NAILED WITH 8d'S AT 6" O.C. ALL EDGES AND AT 12" O.C. AT INTERMEDIATE FRAMING MEMBERS. PROVIDE 2x4 BLOCKS AT ALL HORIZONTAL UNSUPPORTED PANEL EDGES. IN ADDITION TO TYPICAL SILL PLATE ANCHORAGE, SHEAR WALL HOLDOWNS "HD" ARE INDICATED ON THE FOUNDATIONS PLANS.
5. WHERE "HD" IS LOCATED ON THE PLANS PROVIDE HOLDOWNS PER DETAILS 3/S4 AND 4/S4
6. INTERIOR WALLS LABELED SHEAR WALL ARE GYP-BOARD SHEAR WALLS. NAIL GYP-BOARD TO ALL FRAMING MEMBERS WITH 6d COOLER NAILS OR SCREWS AT 6" O.C.

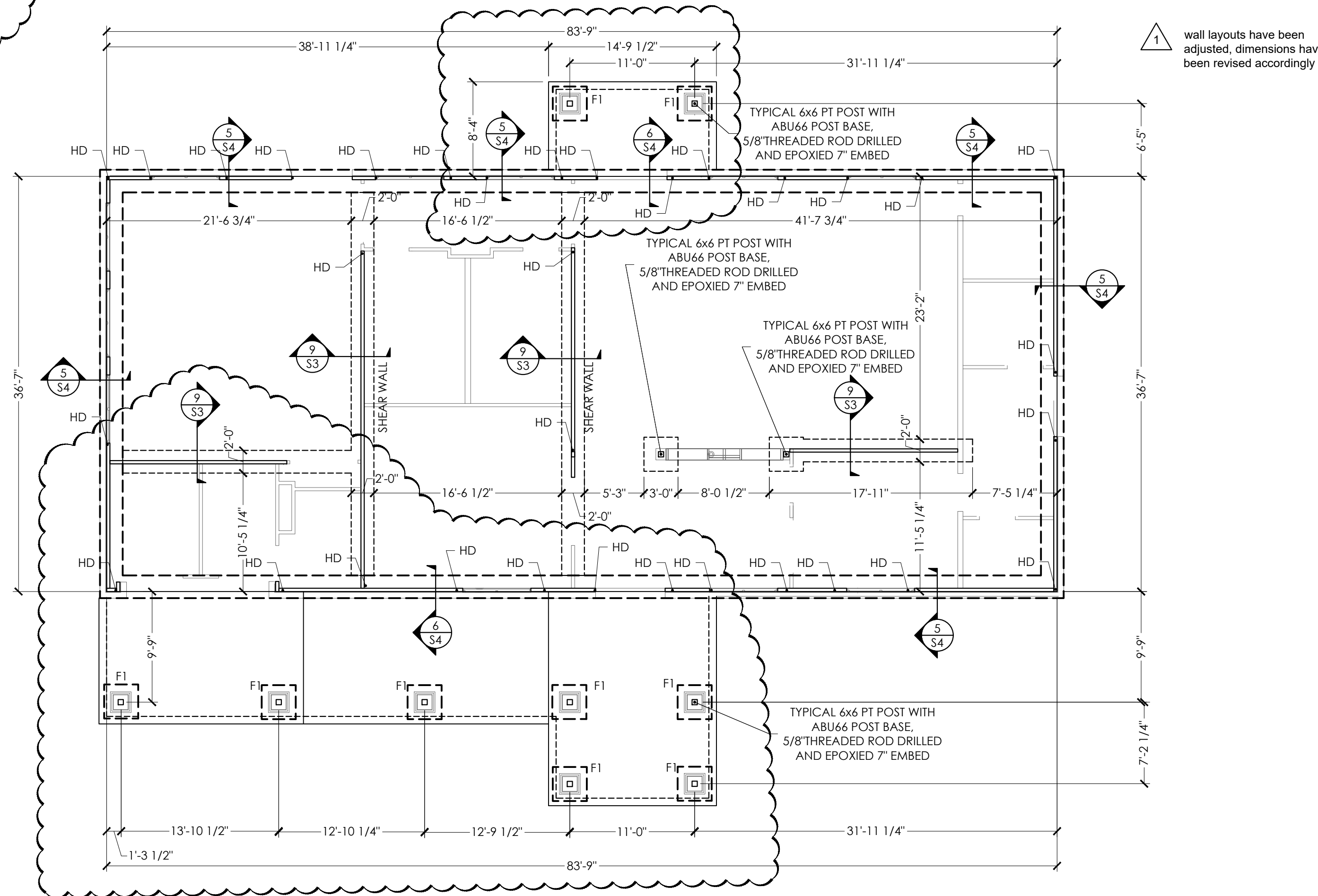
HOLDOWN SCHEDULE (HD)

LABEL	EXTERIOR WALLS
THIRD FLOOR	(1) CS16 STRAP STUD TO STUD ACROSS FLOOR SYSTEM
SECOND FLOOR	(2) CS16 STRAPS (2) STUDS TO (2) STUDS ACROSS FLOOR SYSTEM
FOUNDATION	(1) HDUS TIE (2) STUDS TO FOUNDATION (SEE 3/S4 AND 4/S4)

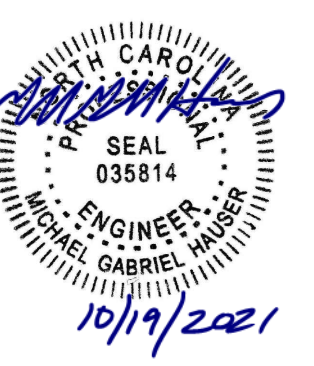
1. HOLDOWNS INDICATED IN TABLE SHALL BE USED AT ALL "HD" LOCATIONS ON THE APARTMENT BUILDINGS.
2. ALL HOLDOWNS AT THE SINGLE STORY AMENITY BUILDINGS SHALL BE HDUS HOLDOWNS APPLIED TO MINIMUM (2) STUDS.
3. WHERE HOLDOWNS ARE POST INSTALLED ON THE CONCRETE SLAB, PROVIDE 8" EMBEDMENT WITH APPROVED EPOXY.



POOL HOUSE FOUNDATION PLAN
SCALE: 1/8"=1'-0"



COMMUNITY BUILDING FOUNDATION PLAN
SCALE: 1/8"=1'-0"



HAUSER-CREECH, INC.

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4506 PEARCES RD.
ZEBULON, NC
27597

PROJECT The Grove

ASI #1 10/18/2021

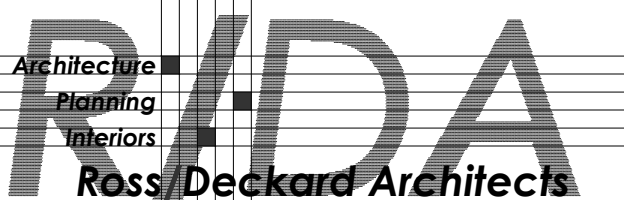
DATE: APRIL 8, 2021
ISSUED FOR: Permit

SET # **SP100**

SHEET Amenity Buildings Foundation Plans
SCALE: 1/8"=1'-0"

S1.4

SHEET 5 of 23 DRAWN BY: RJA
TOTAL SHEETS IN SET: CHECKED BY: TD



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AMENITY BUILDING WALL SCHEDULE

- ALL STUDS WALLS SHALL BE CONSTRUCTED FROM 2x4 S.P.F. No2 STUDS OR SYP No. 2 STUDS
- ALL STUD WALLS SHALL BE SPACED AT 12" O.C. AT 10' PLATE HEIGHTS. STUD WALLS LESS THAN 10' MAY BE SPACED AT 16" O.C.
- ALL STUD WALLS SHALL HAVE A SINGLE 2x4 P.T. SILL PLATE AND DOUBLE 2x4 TOP PLATES.

LATERAL WALL BRACING AND TIE DOWNS

- ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 1/2" OSB NAILED WITH 8d'S AT 6" O.C. ALL EDGES AND AT 12" O.C. AT INTERMEDIATE FRAMING MEMBERS. PROVIDE 2x4 BLOCKS AT ALL HORIZONTAL UNSUPPORTED PANEL EDGES.
- IN ADDITION TO TYPICAL SILL PLATE ANCHORAGE, SHEAR WALL HOLDOWNS "HD" ARE INDICATED ON THE FOUNDATIONS PLANS.
- WHERE "HD" IS LOCATED ON THE PLANS PROVIDE HOLDOWNS PER DETAILS 3/S4 AND 4/S4.
- INTERIOR WALLS LABELED SHEAR WALL ARE GYP-BOARD SHEAR WALLS, NAIL GYP-BOARD TO ALL FRAMING MEMBERS WITH 6d COOLER NAILS OR SCREWS AT 6" O.C.

ROOF FRAMING NOTES:

- ALL TRUSS SPACING IS AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SPACE TRUSSES AT ATTIC ACCESS DOORS TO ALLOW FOR PROPER INSTALLATION.
- TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS, LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS. ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL. THE CONTRACTOR MUST VERIFY THAT ALL LATERAL BRACING REQUIRED FOR TRUSS WEBS IS INSTALLED PER THE TRUSS SHOP DRAWINGS AND DETAILS 3/S6 AND 4/S6.
- REFER TO FOUNDATION PLAN FOR DIMENSIONS AND TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
- DESIGN ROOF TRUSSES FOR ADDITIONAL MECHANICAL, SPRINKLER, AND ARCHITECTURAL LOADS AS REQUIRED.
- ALL TRUSSES TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS DESIGNER AND SHALL BE CLEARLY INDICATED ON THE TRUSS SHOP DRAWINGS.
- PROVIDE L3 1/2x4 1/2x1/4 LOOSE LAID BRICK LINTEL ABOVE ALL OPENINGS UP TO 8'-0". LOOSE LINTELS REQUIRE MIN. 6" BEARING ON FULL HT. BRICK.
- PRE-FABRICATED TRUSS OVER-BUILD FRAMING, ROOF SHEATHING SHALL BE CONTINUOUS BENEATH TRUSS OVERBUILD. PROVIDE ATTACHMENT OF OVERBUILD FRAMING TO ROOF SHEATHING AND TRUSSES BELOW ACCORDING TO TRUSS MANUFACTURER. SEE DETAIL 1/S7
- SEE ARCH. DWGS. FOR LOCATIONS OF FIRE/SMOKE WALLS AND DRAFT PARTITIONS. TRUSSES MUST BE COORDINATED WITH FIRE/SMOKE WALLS. WHERE ARCHITECTURAL PLANS REQUIRE SMOKE/FIRE WALLS TO EXTEND TO UNDER SIDE OF ROOF SHEATHING, THE TRUSSES MUST STOP AT THE FACE OF THE WALL.
- SEE DETAIL 2/S5 FOR TOP PLATE SPLICE DETAIL.
- DESIGN ROOF TRUSSES TO INCORPORATE FIXED WINDOW INSTALLATION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- PROVIDE MIN (3) 2X4 STUD BEARING BELOW GIRDER TRUSS BEARING POINTS. TIE GIRDERS TO STUDS WITH LGT TIE. STRAP GIRDER TRUSS BEARING STUD GROUP TO STUD GROUP BELOW WITH (1) CS16 STRAP (14" LAP LENGTH AT STUDS. PROVIDE HDUS HOLDOWN AT FOUNDATION.
- TRUSS CLIPS AT ENDS OF TRUSSES HAVE BEEN DESIGNED TO TRANSFER LATERAL SHEAR LOAD AND UPLIFT INTO THE WALLS. ANY SUBSTITUTIONS MUST BE APPROVED BY THE EOR
- ALIGN DRAG TRUSS OVER INTERIOR BREEZEWAY WALL CAPABLE OF TRANSFERRING 150 PLF LATERAL LOAD FROM TOP CHORD TO BOTTOM CHORD.

HEADER AND BEAM SCHEDULE

TYPE	SIZE	NOTES	3RD FLR	2ND FLR	1ST FLR
H1	(2) 2x4 SPF No2. OR SYP No2	W/ (2) 1/2" PLYWOOD SPACERS. SEE 5/S5.	1 JACK 1 KING	1 JACK 1 KING	1 JACK 1 KING
H2	(2) 2x6 SPF No2. OR SYP No2	W/ (2) 1/2" PLYWOOD SPACERS. SEE 5/S5.	1 JACK 1 KING	1 JACK 1 KING	1 JACK 1 KING
H3	(2) 2x8 SPF No2. OR SYP No2	W/ (2) 1/2" PLYWOOD SPACERS. SEE 5/S5.	1 JACK 1 KING	1 JACK 1 KING	1 JACK 2 KING
H4	(2) 2x10 SPF No2. OR SYP No2	W/ (2) 1/2" PLYWOOD SPACERS. SEE 5/S5.	2 JACK 1 KING	2 JACK 1 KING	2 JACK 2 KING
H5	(2) 2x12 P.T. SYP No2	---	---	---	---
H6	(2) 2x10, P.T. SYP No2	---	---	---	---
H7	5/2"x14" P.T. GLULAM OR P.T. PSL	ANTHONY POWER BEAM OR WEYERHAESEER WOLMANIZED PSL	---	---	---
H8	(3) 2x12, P.T. SYP No2	---	---	---	---
H9	(2) 1 3/4"x9 1/4" LVL	---	2 JACK 1 KING	2 JACK 1 KING	2 JACK 2 KING

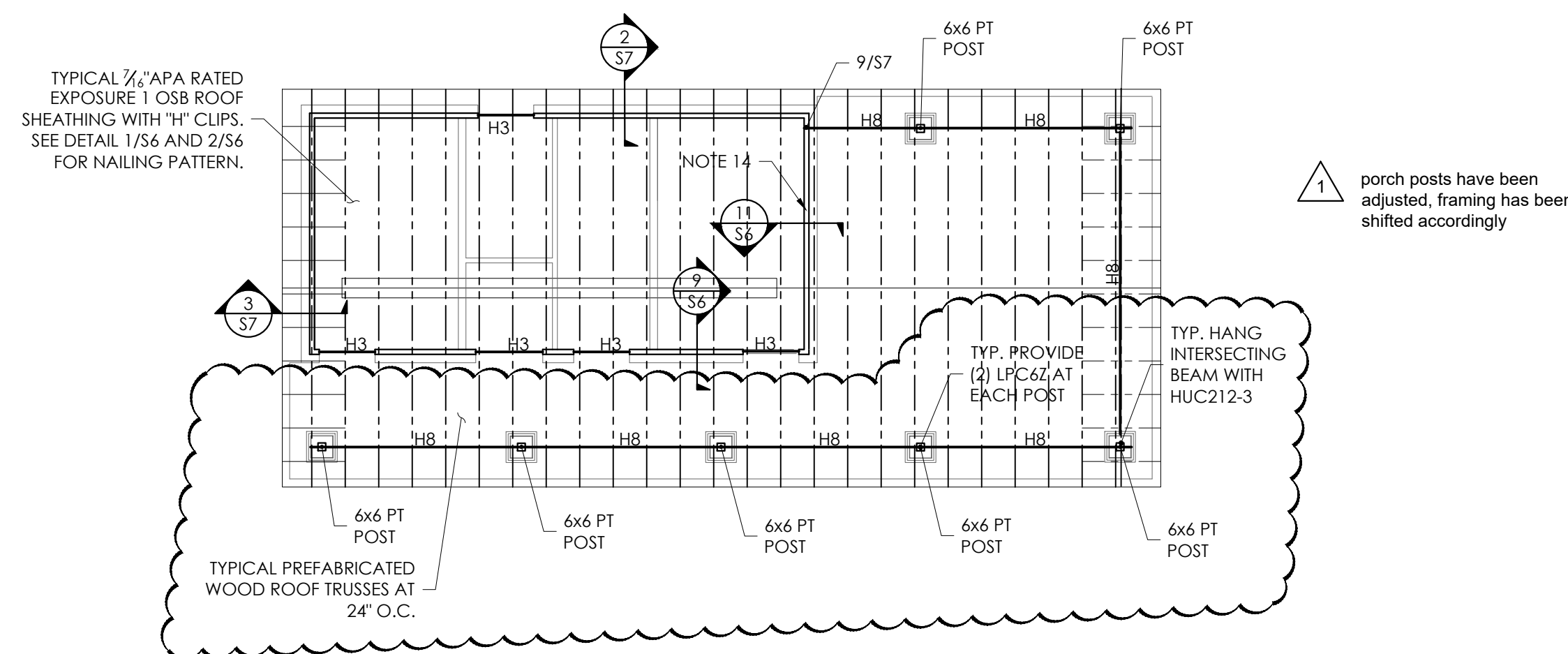
INTERIOR NON-BEARING HEADERS ARE NOT LABELED ON THE FRAMING PLANS, FOR OPENINGS IN INTERIOR NON-BEARING WALLS PROVIDE THE FOLLOWING HEADERS:

SPAN	SIZE	NOTES
3'-2" MAX	2x4 FLAT	FACE NAIL TO FULL HT. JAMB STUD W/ (2) 16d's
6'-2" MAX	H1 HEADER	(1) JACK (1) KING
8'-2" MAX	H2 HEADER	(1) JACK (1) KING

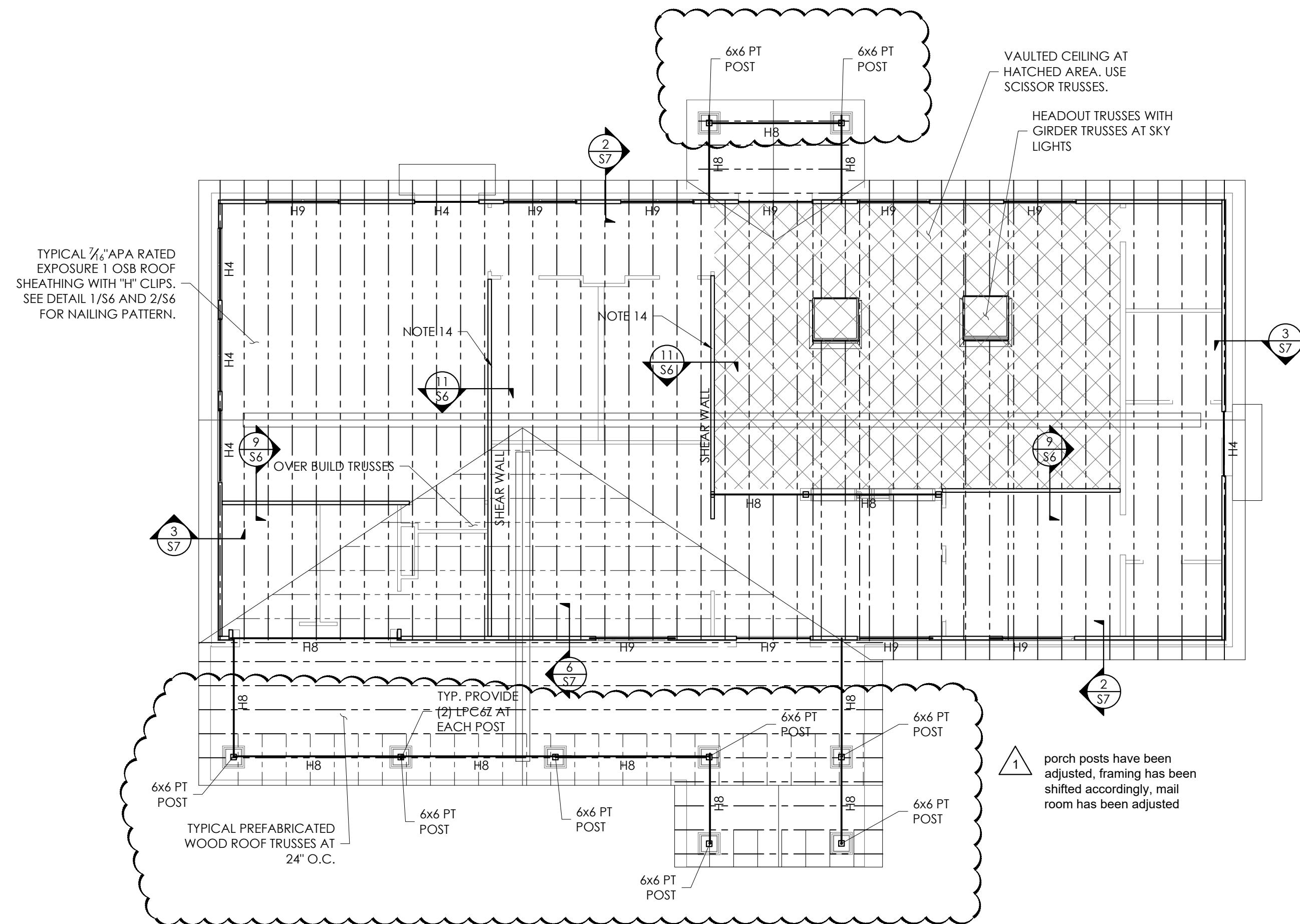
HOLDOWN SCHEDULE (HD)

LABEL	EXTERIOR WALLS
THIRD FLOOR	(1) CS16 STRAP STUD TO STUD ACROSS FLOOR SYSTEM
SECOND FLOOR	(2) CS16 STRAPS (2) STUDS TO (2) STUDS ACROSS FLOOR SYSTEM
FOUNDATION	(1) HDUS TIE (2) STUDS TO FOUNDATION (SEE 3/S4 AND 4/S4)

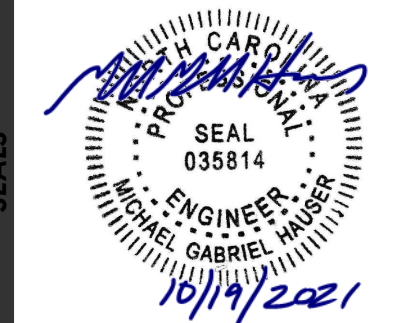
- HOLDOWNS INDICATED IN TABLE SHALL BE USED AT ALL "HD" LOCATIONS ON THE APARTMENT BUILDINGS.
- ALL HOLDOWNS AT THE SINGLE STORY AMENITY BUILDINGS SHALL BE HDUS HOLDOWNS APPLIED TO MINIMUM (2) STUDS.
- WHERE HOLDOWNS ARE POST INSTALLED ON THE CONCRETE SLAB, PROVIDE 8" EMBEDMENT WITH APPROVED EPOXY.



POOL HOUSE ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"



COMMUNITY BUILDING ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"



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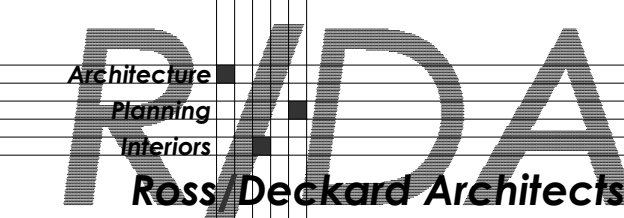
DATE APRIL 8, 2021
ISSUED FOR: Permit

SET # **SP100**

SHEET Amenity Buildings
Roof Framing Plans
SCALE: 1/8" = 1'-0"

S2.10

SHEET 16 of 23 DRAWN BY: RJA
TOTAL SHEETS IN SET: CHECKED BY: TD

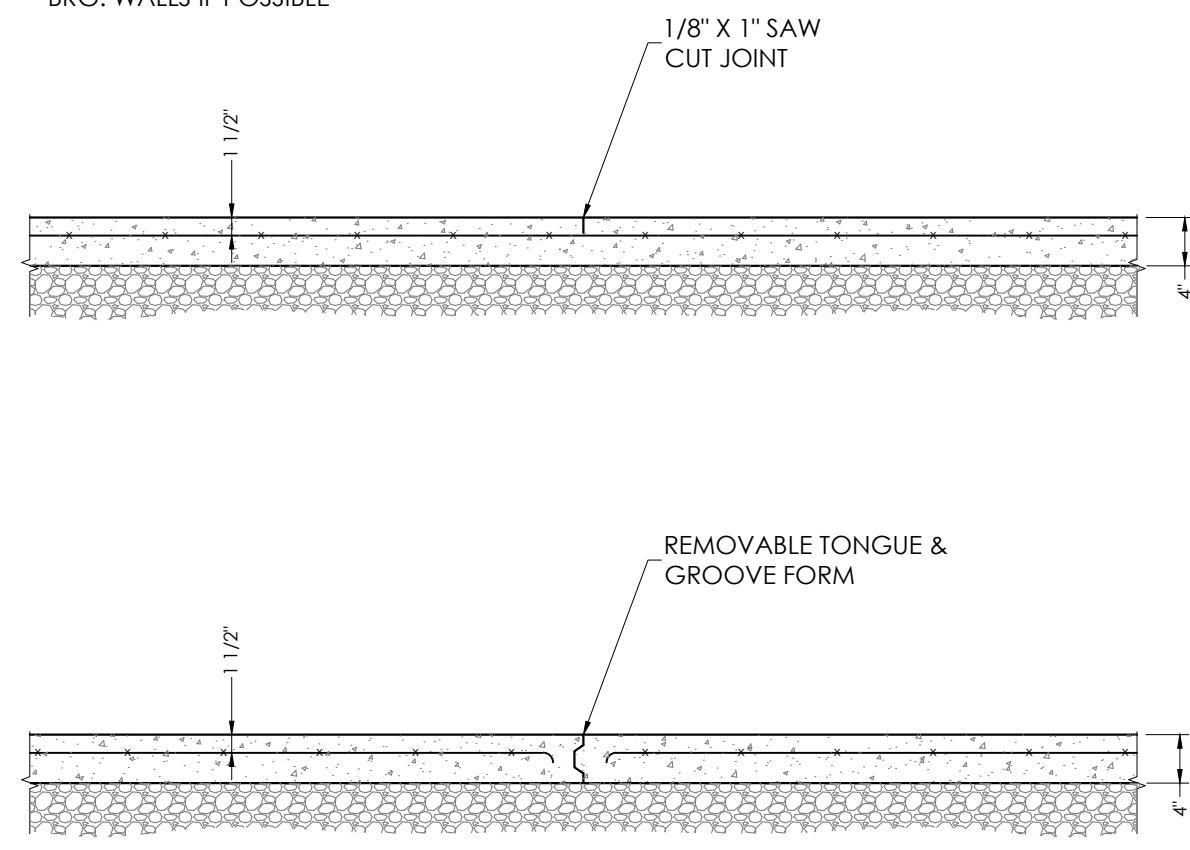


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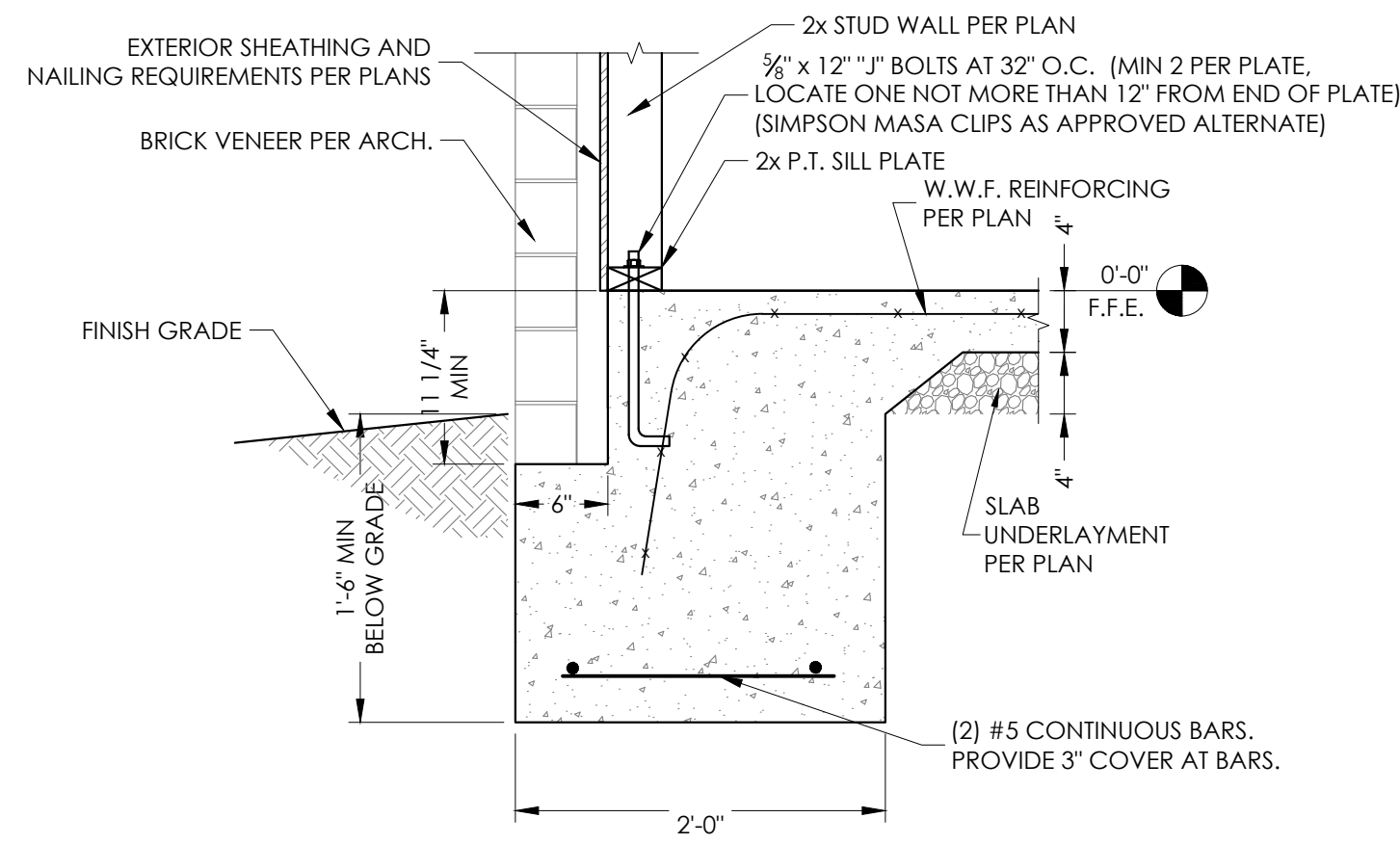
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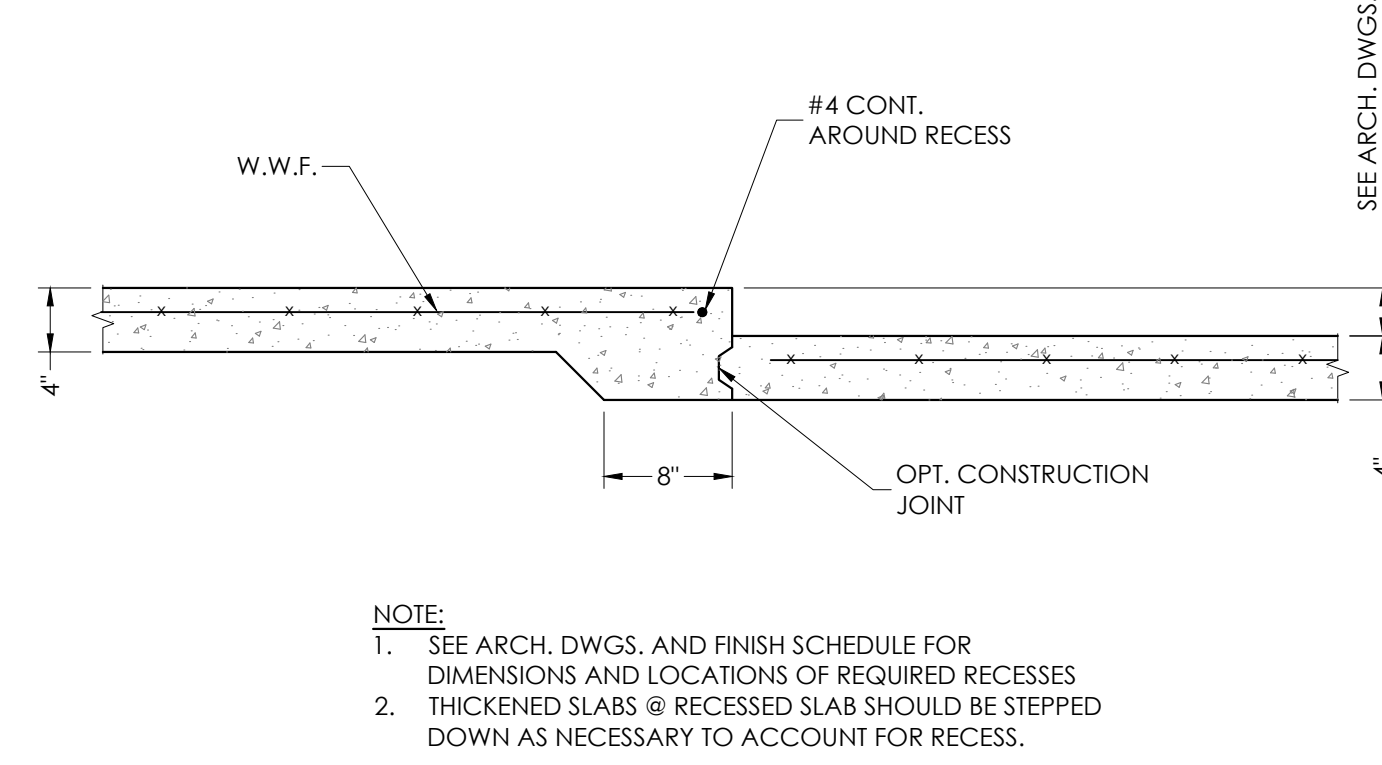
NOTE:
MAXIMUM JOINT SPACING SHALL
BE 18 FT. MAX. IN EACH DIRECTION
UNLESS SHOWN OTHERWISE ON PLAN
LOCATED UNDER NON-LOAD
BRG. WALLS IF POSSIBLE



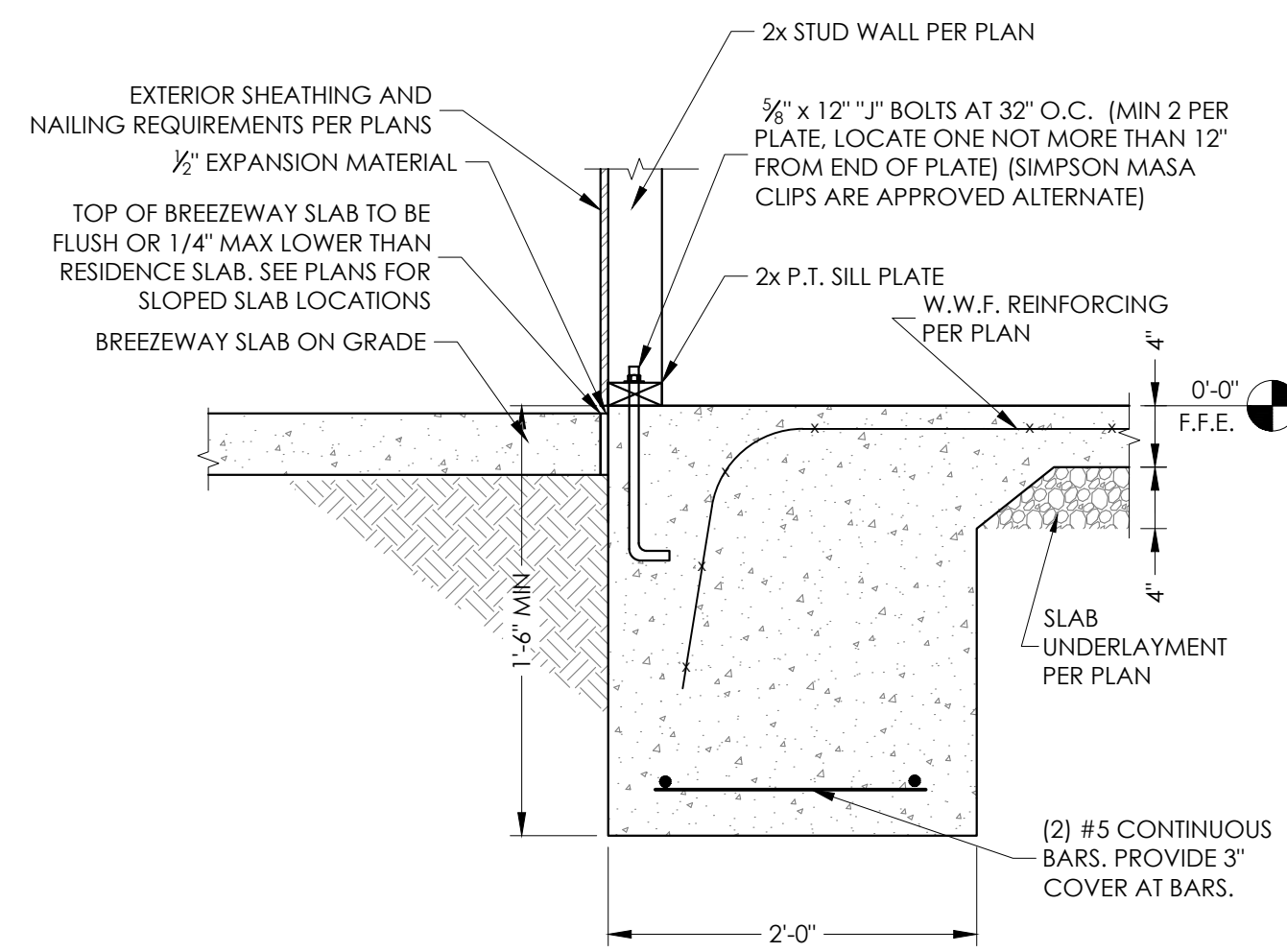
1 SLAB ON GRADE JOINTS
SCALE: NONE



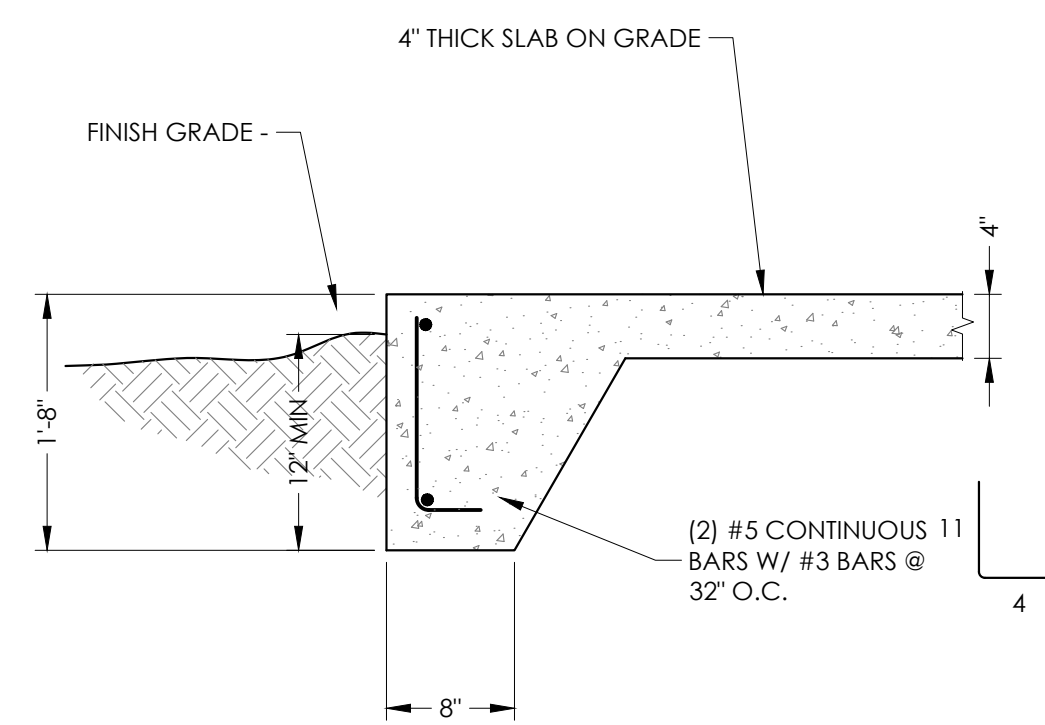
2 EXTERIOR WALL SECTION
SCALE: NONE



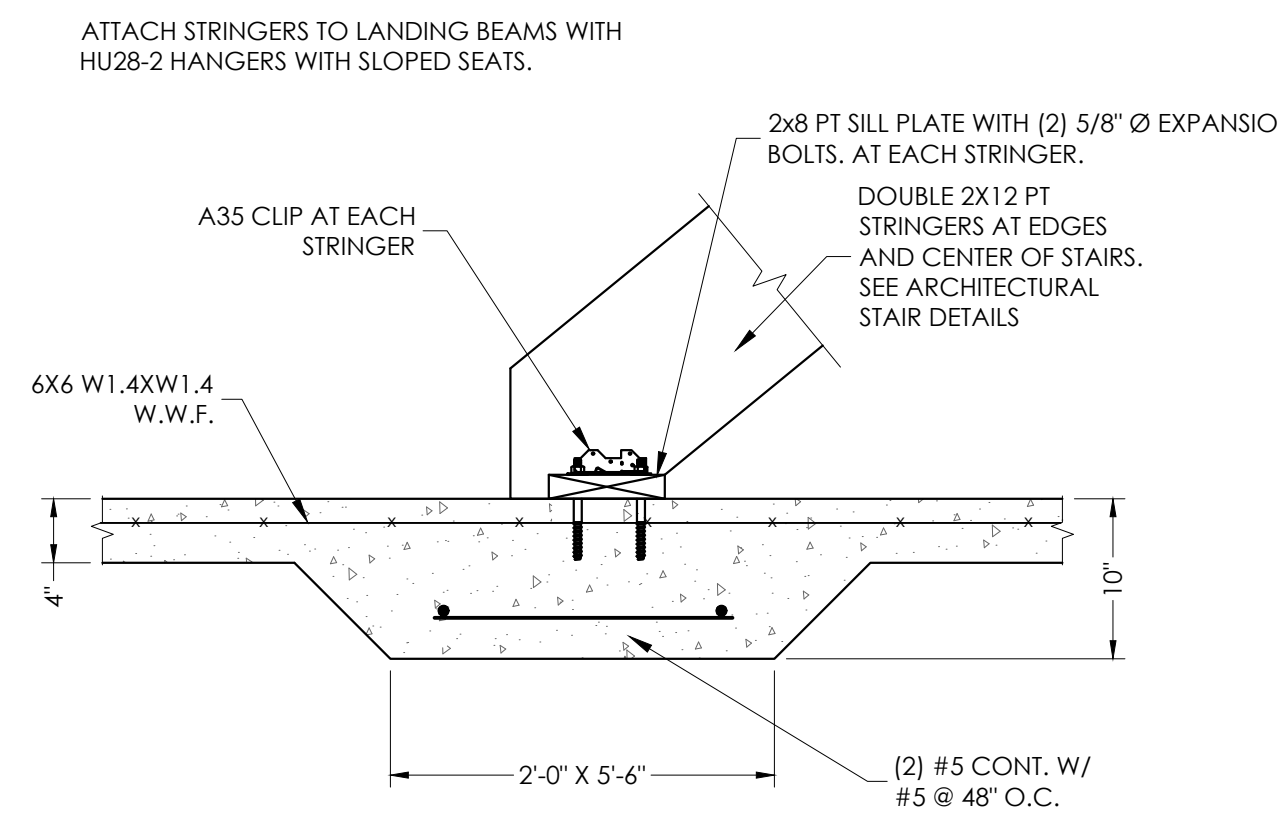
3 TYP. SECTION AT RECESSED SLAB
SCALE: NONE



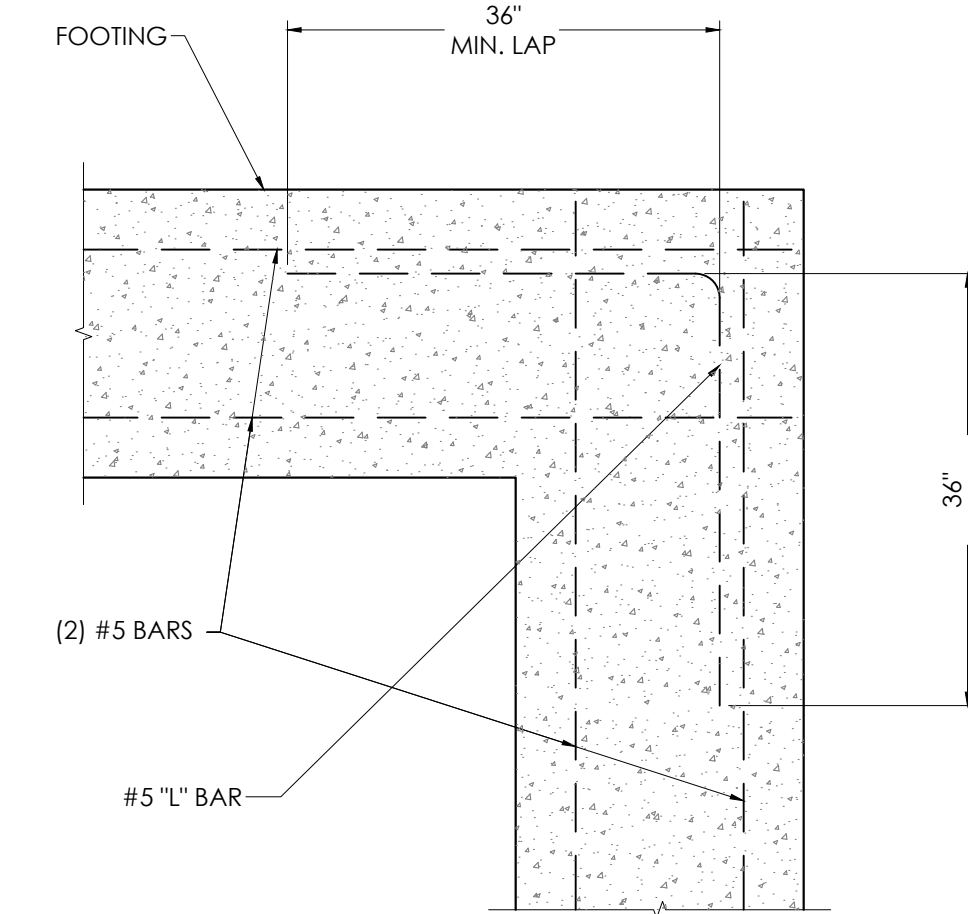
5 SECTION AT BREEZEWAY OR PORCH WALL
SCALE: NONE



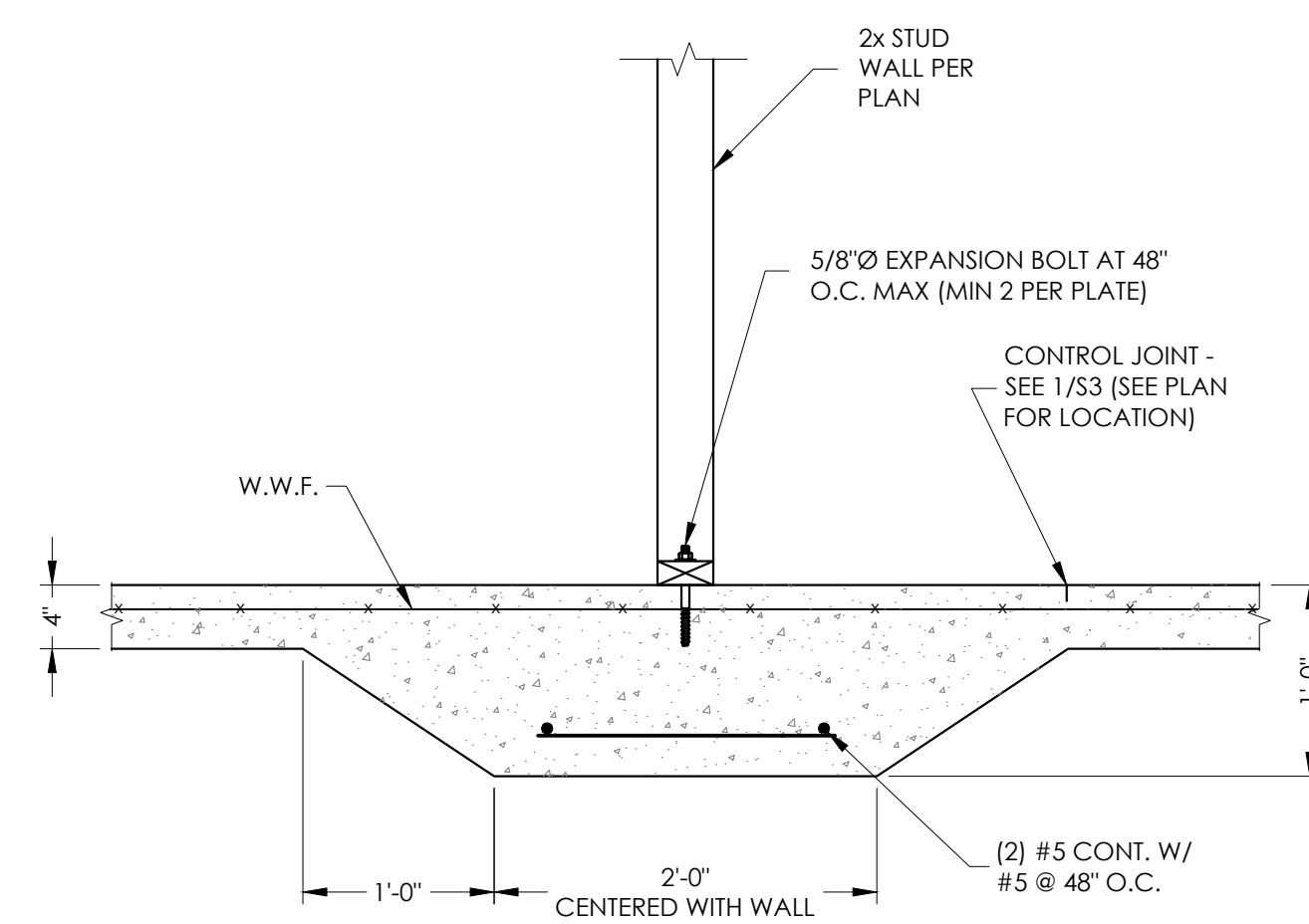
6 PORCH SLAB EDGE
SCALE: NONE



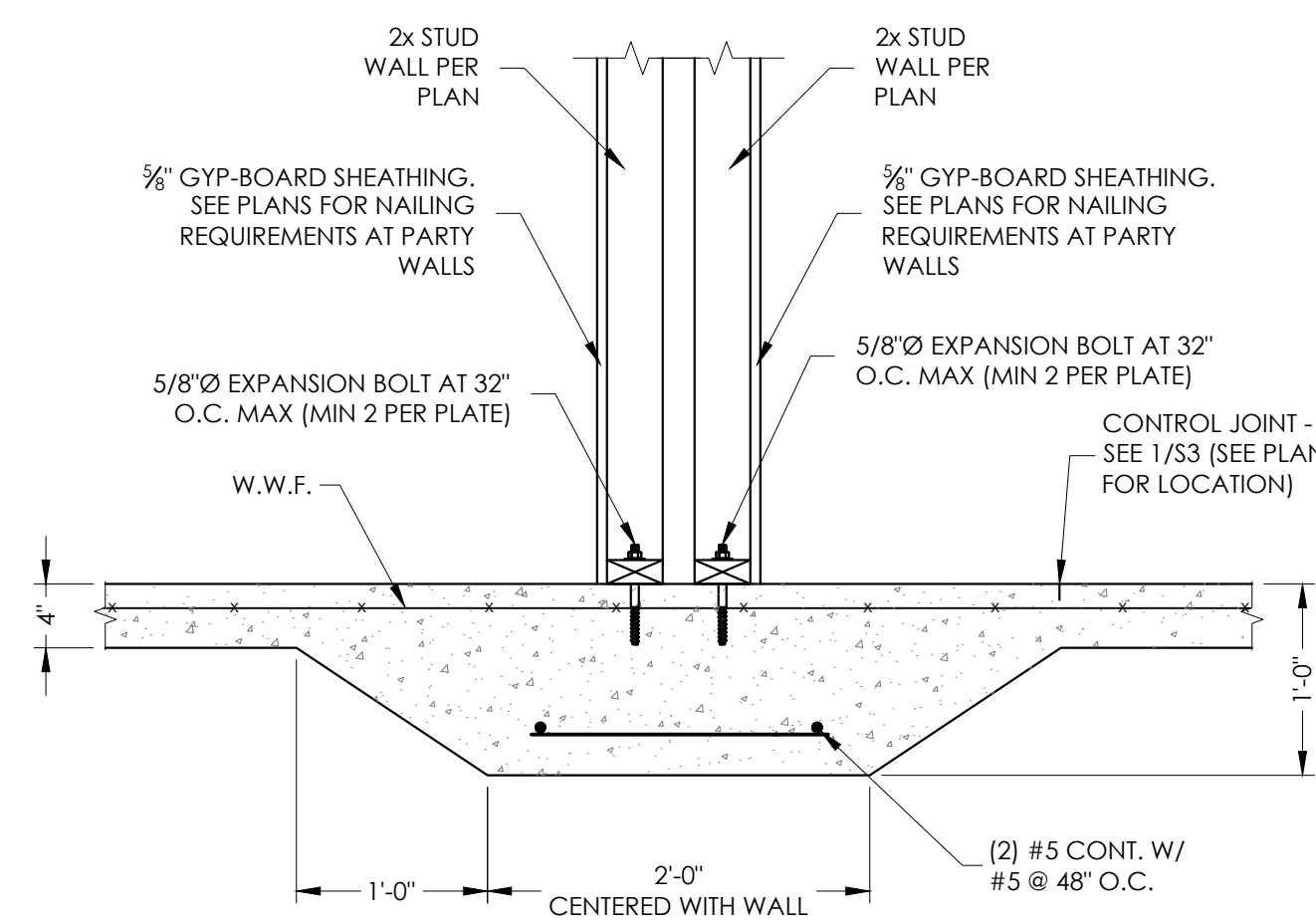
7 STEEL STAIR STRINGER BASE DETAIL
SCALE: NONE



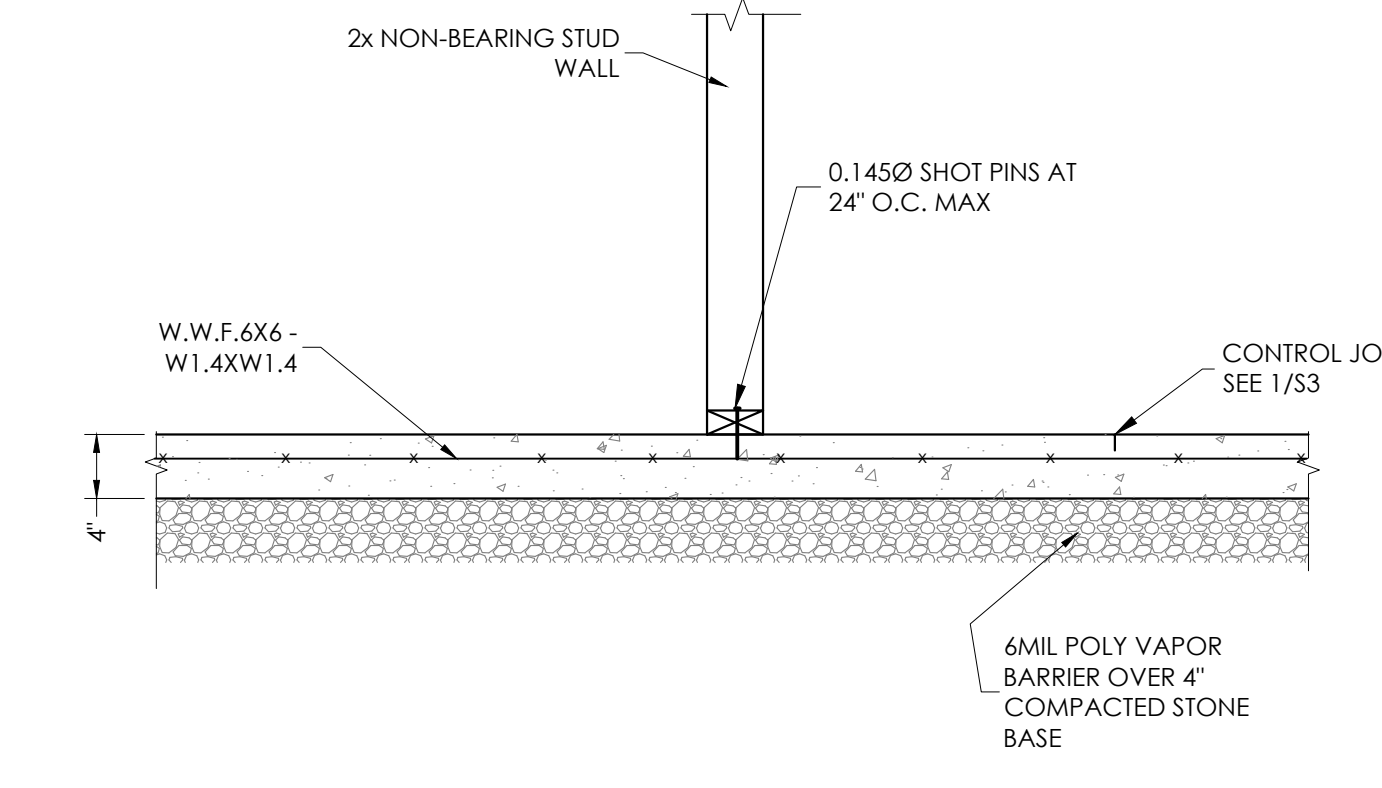
8 TYP. CONTINUITY CORNER
SCALE: NONE



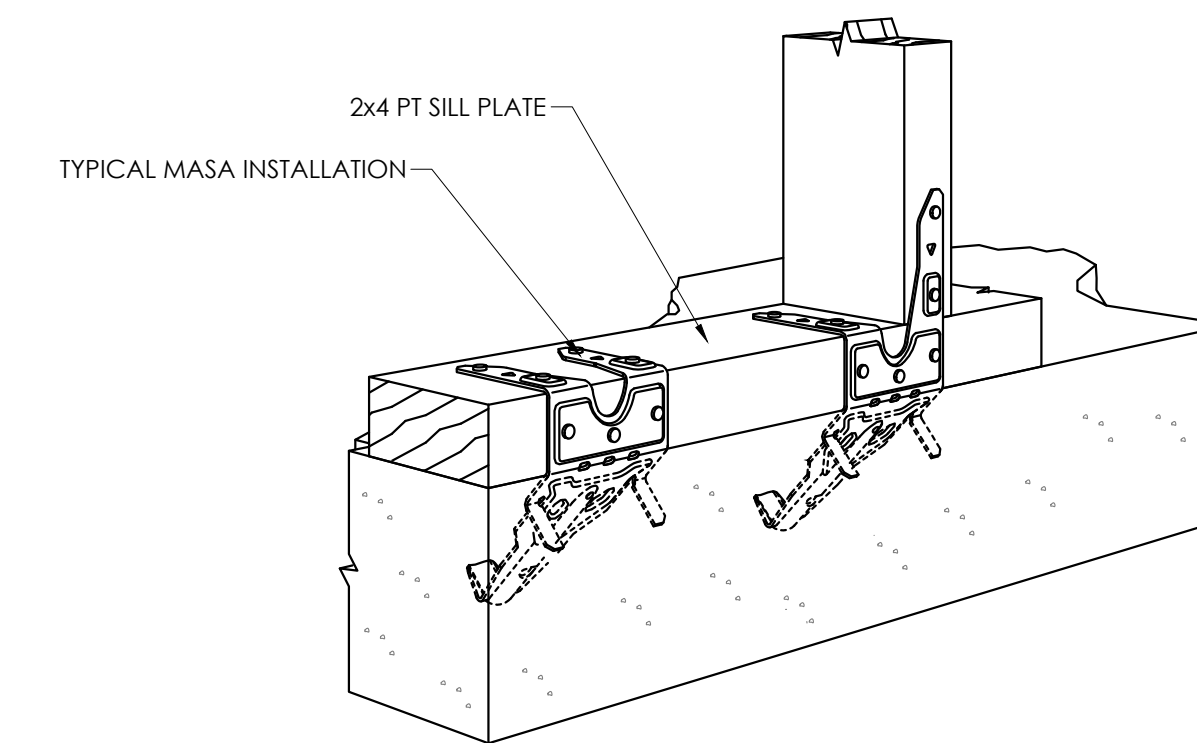
9 THICKENED SLAB AT INTERIOR BEARING WALL
SCALE: NONE



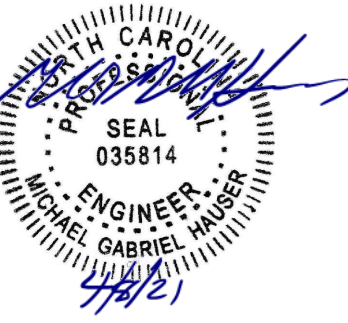
10 SECTION AT PARTY WALL THICKENED SLAB
SCALE: NONE



11 NON-BEARING WALL ATTACHMENT
SCALE: NONE



12 MASA ANCHOR PERSPECTIVE
SCALE: NONE



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SET # **SP100**

SHEET
STRUCTURAL
DETAILS

S3

SHEET 17 OF 23
TOTAL SHEETS IN SET: DRAWN BY: RJA
CHECKED BY: TD



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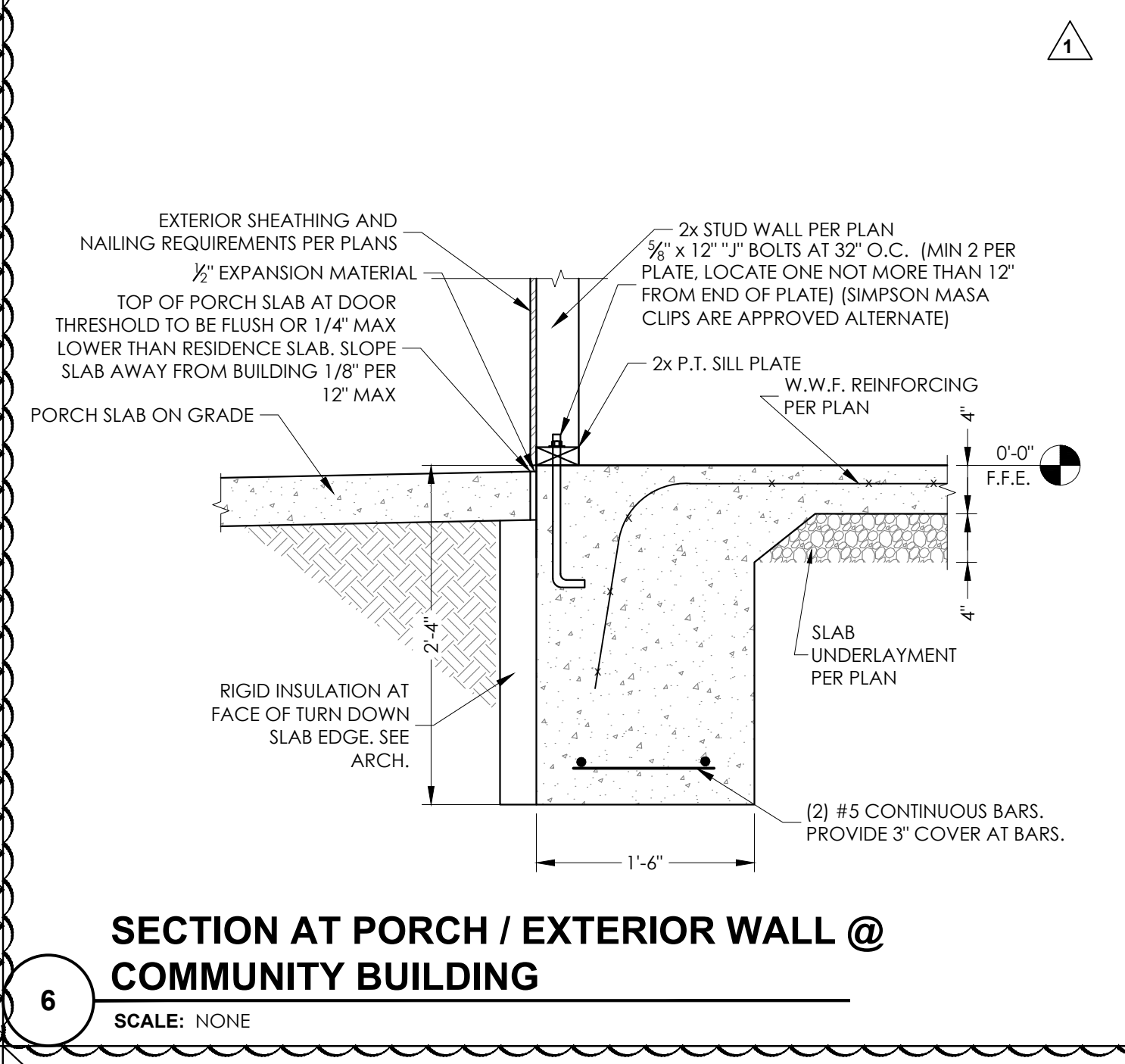
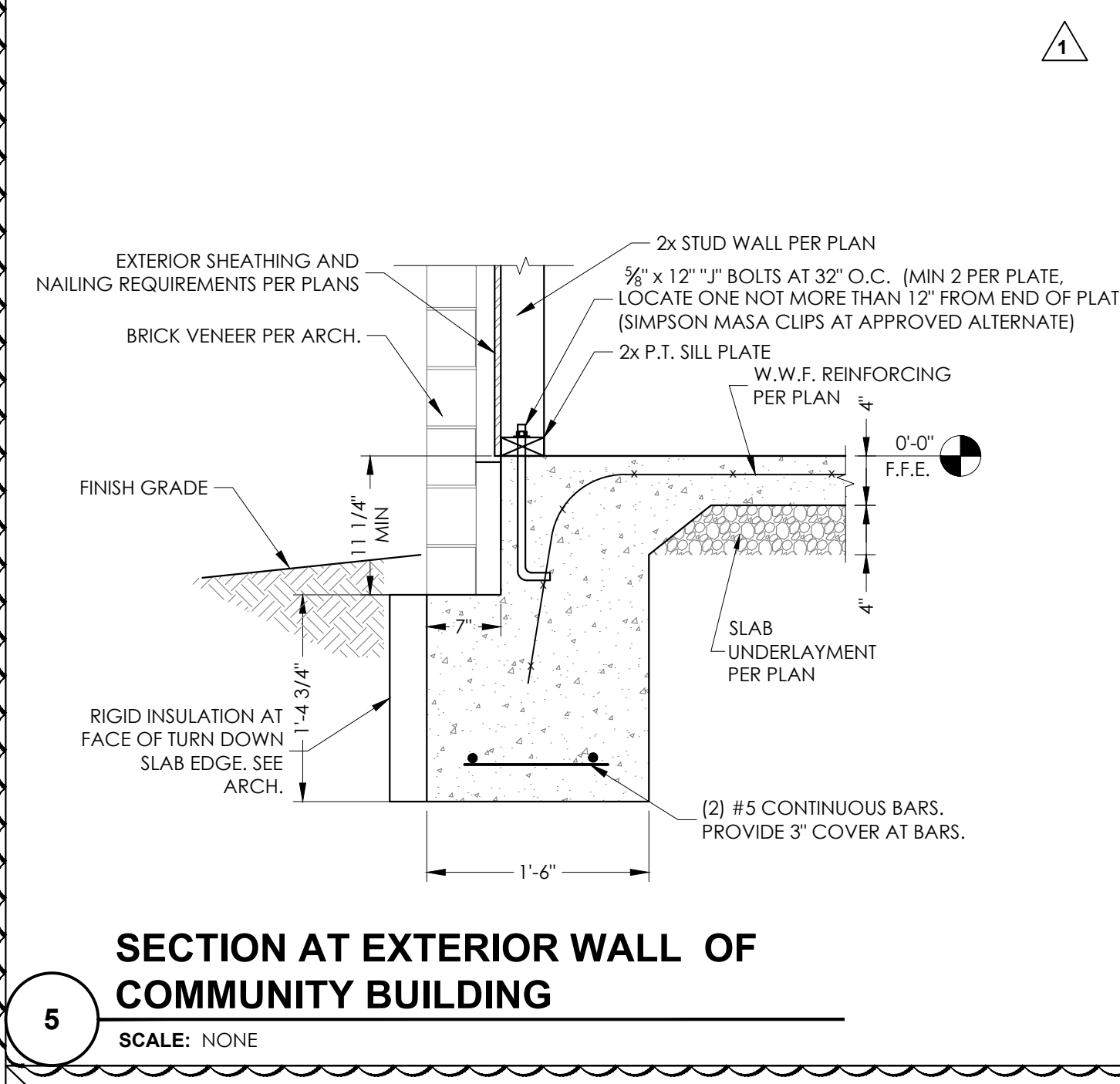
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1 SCALE: NONE

2 PT POST BASE DETAIL SCALE: NONE

3 HOLDDOWN AT EXTERIOR WALL (HD) SCALE: NONE

4 HOLDDOWN AT INTERIOR WALL (HD) SCALE: NONE



7 SCALE: NONE

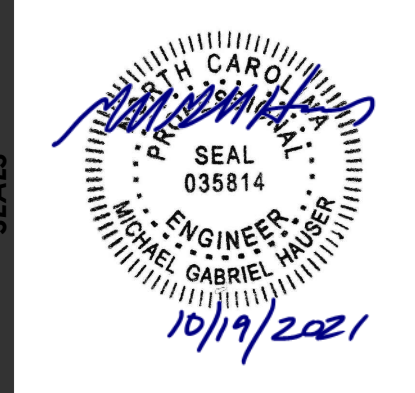
8 SCALE: NONE

9 SCALE: NONE

10 SCALE: NONE

11 SCALE: NONE

12 SCALE: NONE



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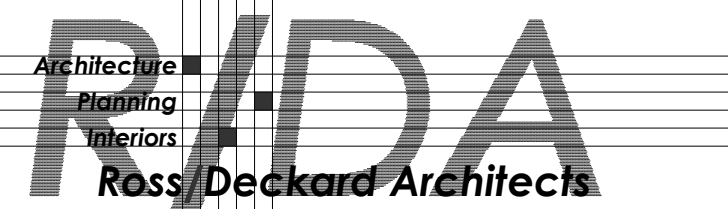
#
 ASI #1 10/18/2021

DATE
 APRIL 8, 2021
 ISSUED FOR: Permit

SET #
SP100

SHEET
 STRUCTURAL
 DETAILS

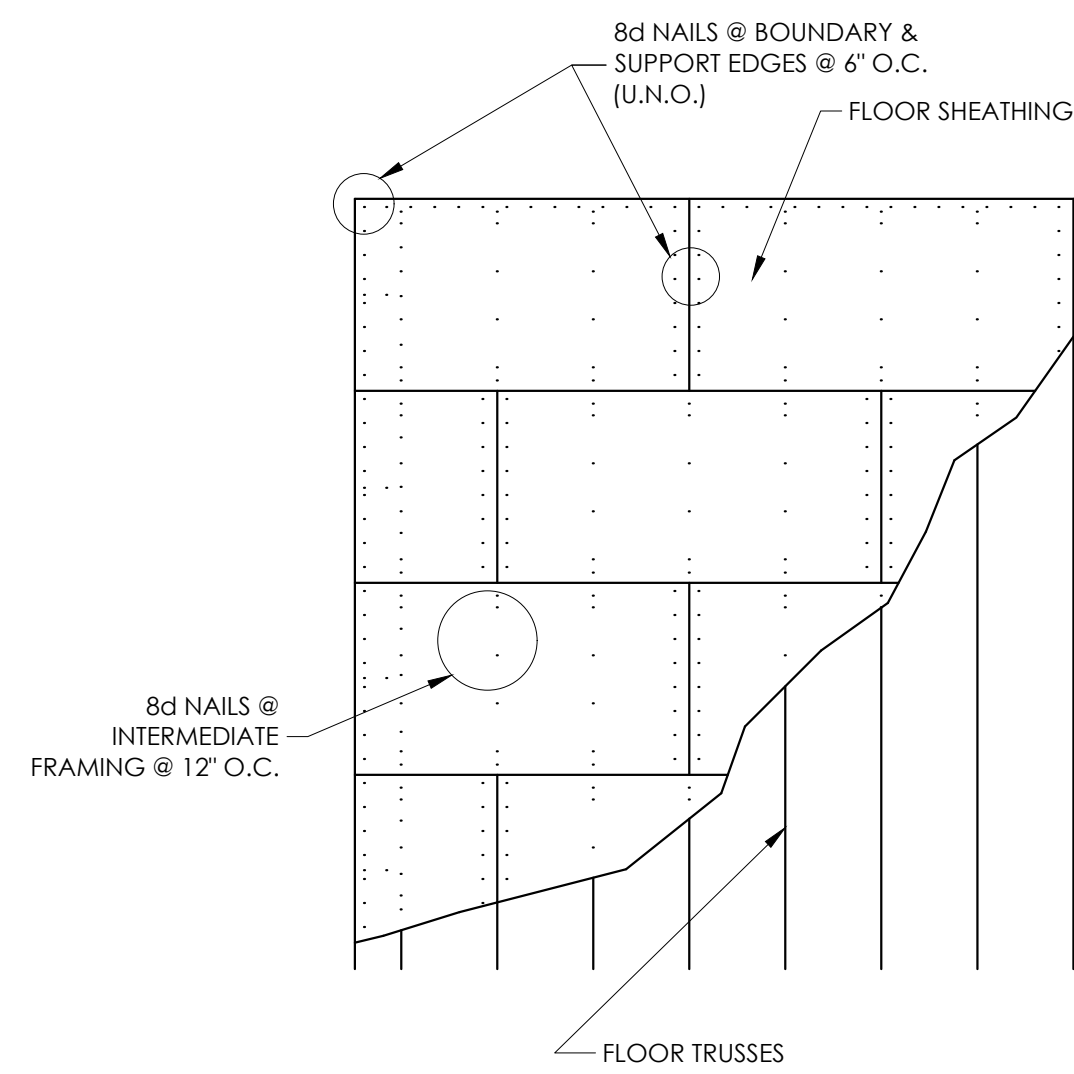
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S4
 SHEET 18 of 23
 TOTAL SHEETS IN SET: 23
 DRAWN BY: RJA
 CHECKED BY: TD



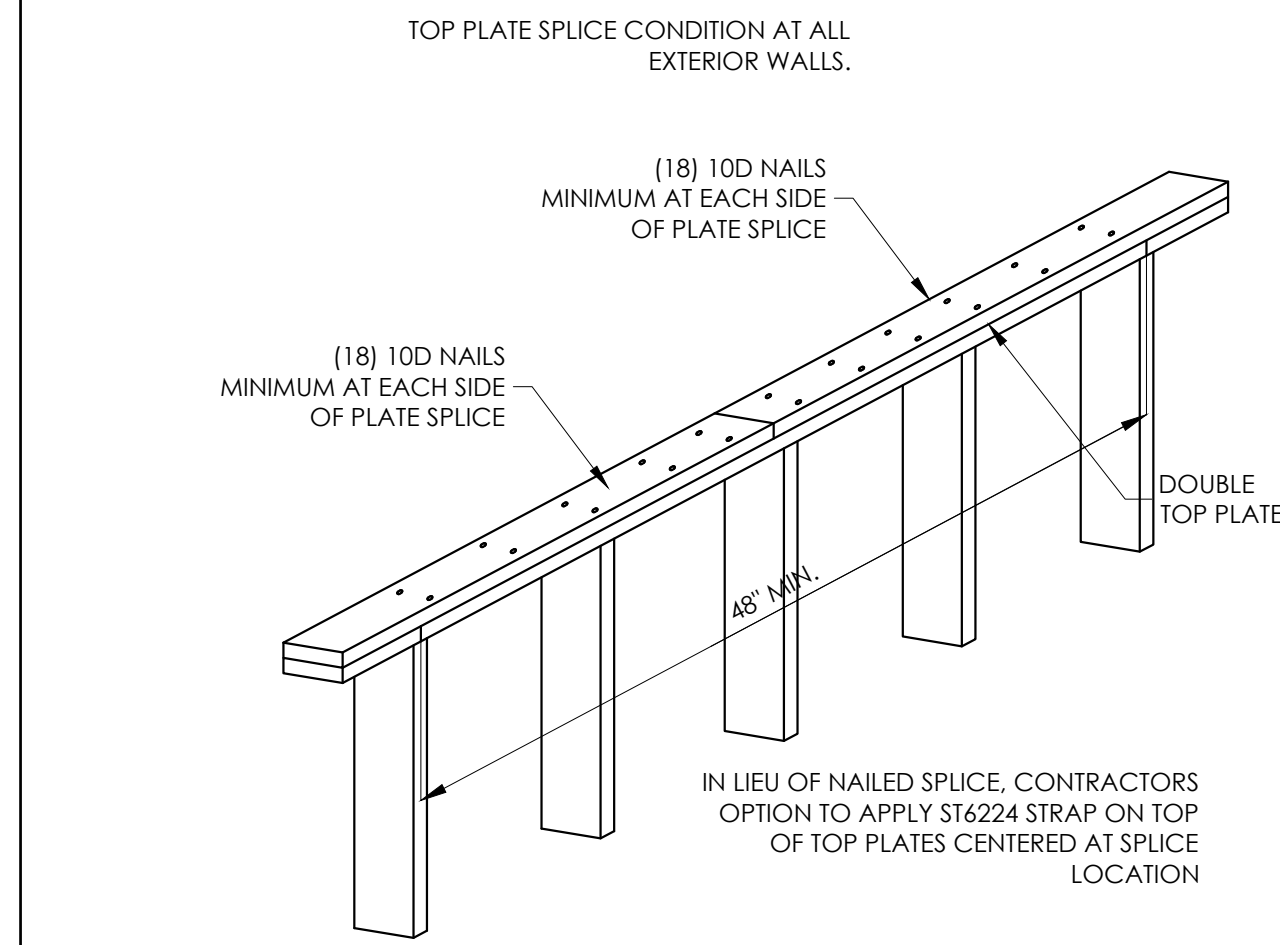
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BINDING STRIP - INFORMATION PRINTED HERE WILL NOT BE VISIBLE

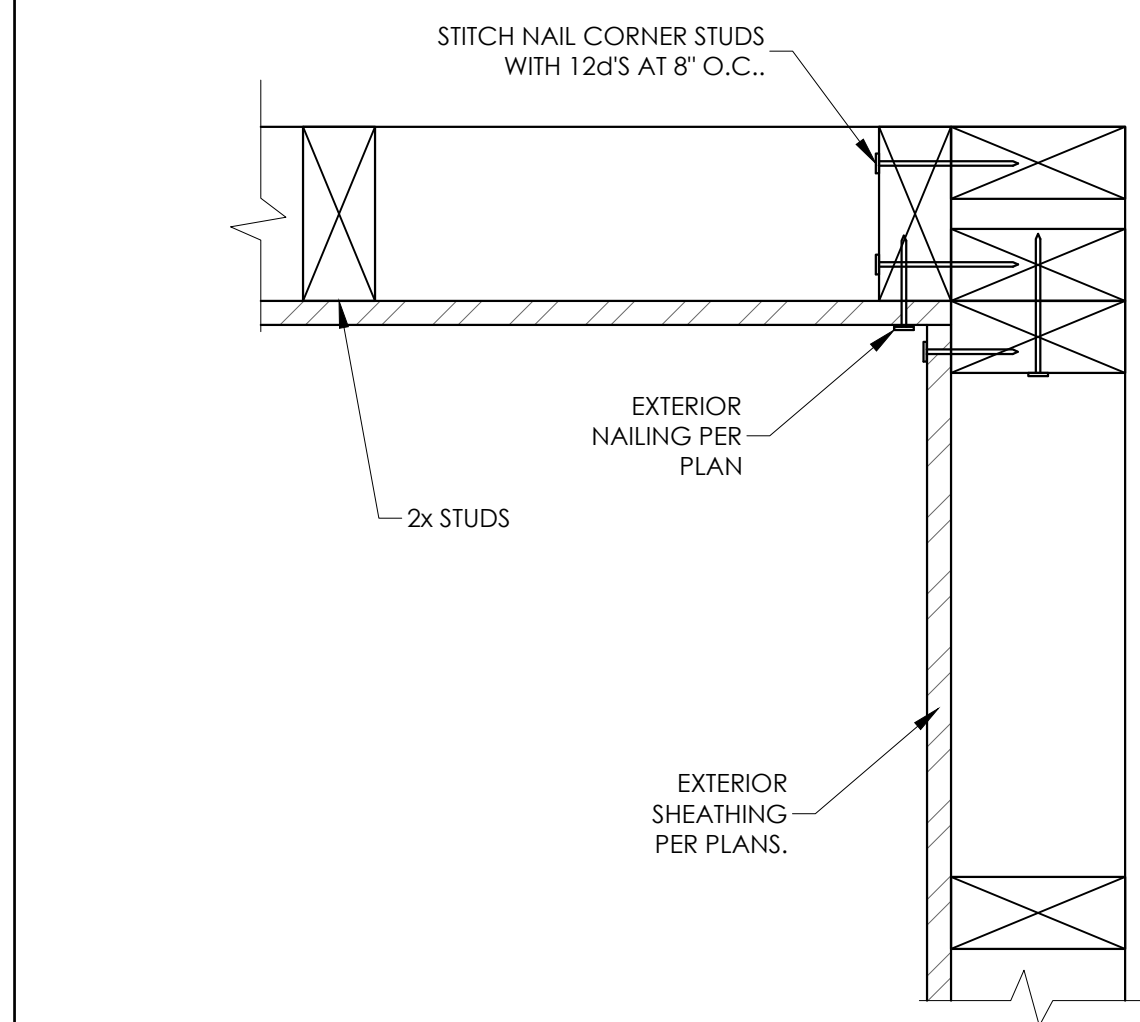
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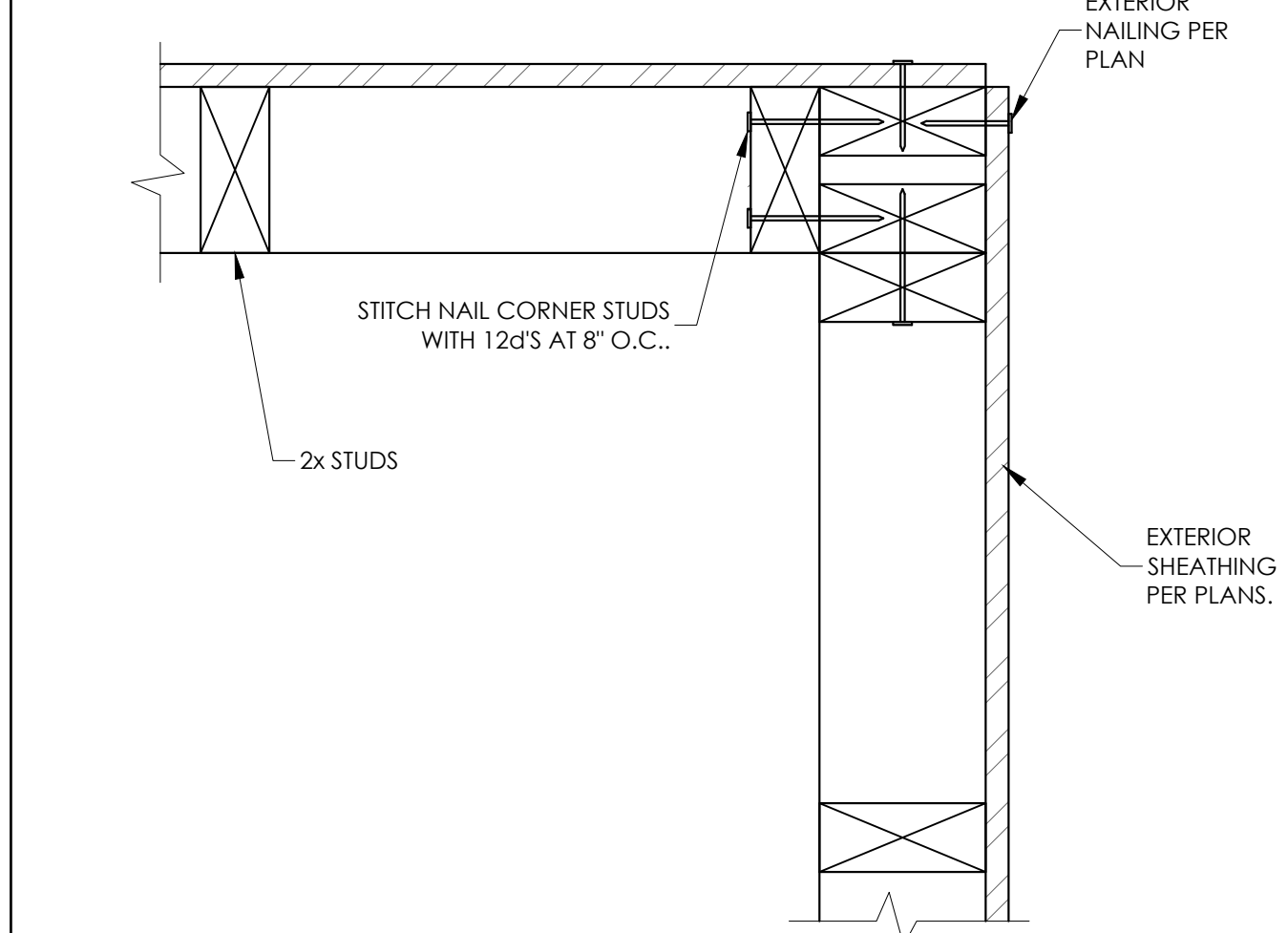
1 FLOOR SHEATHING ATTACHMENT
SCALE: NONE



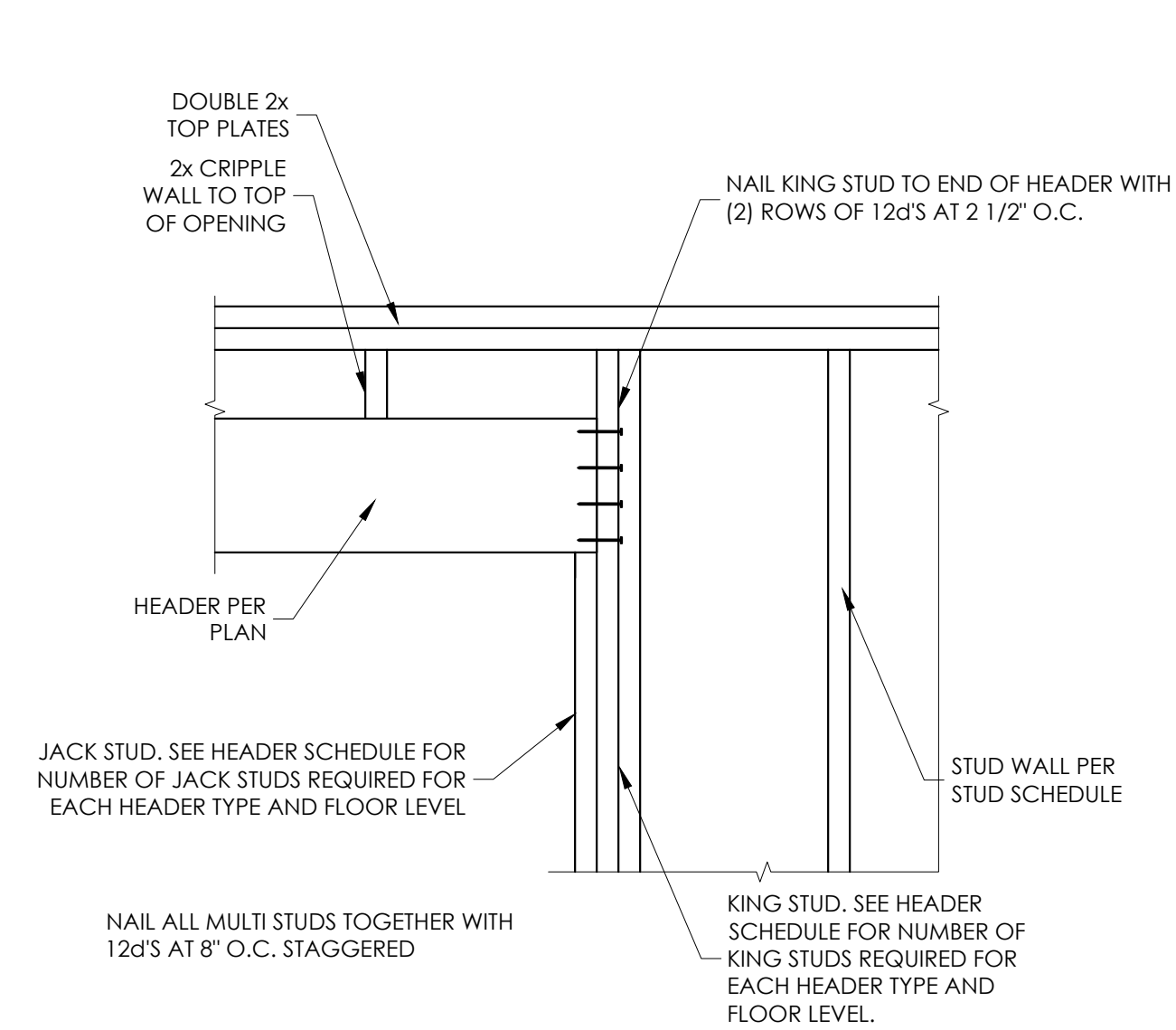
2 TOP PLATE SPLICE DETAIL
SCALE: NONE



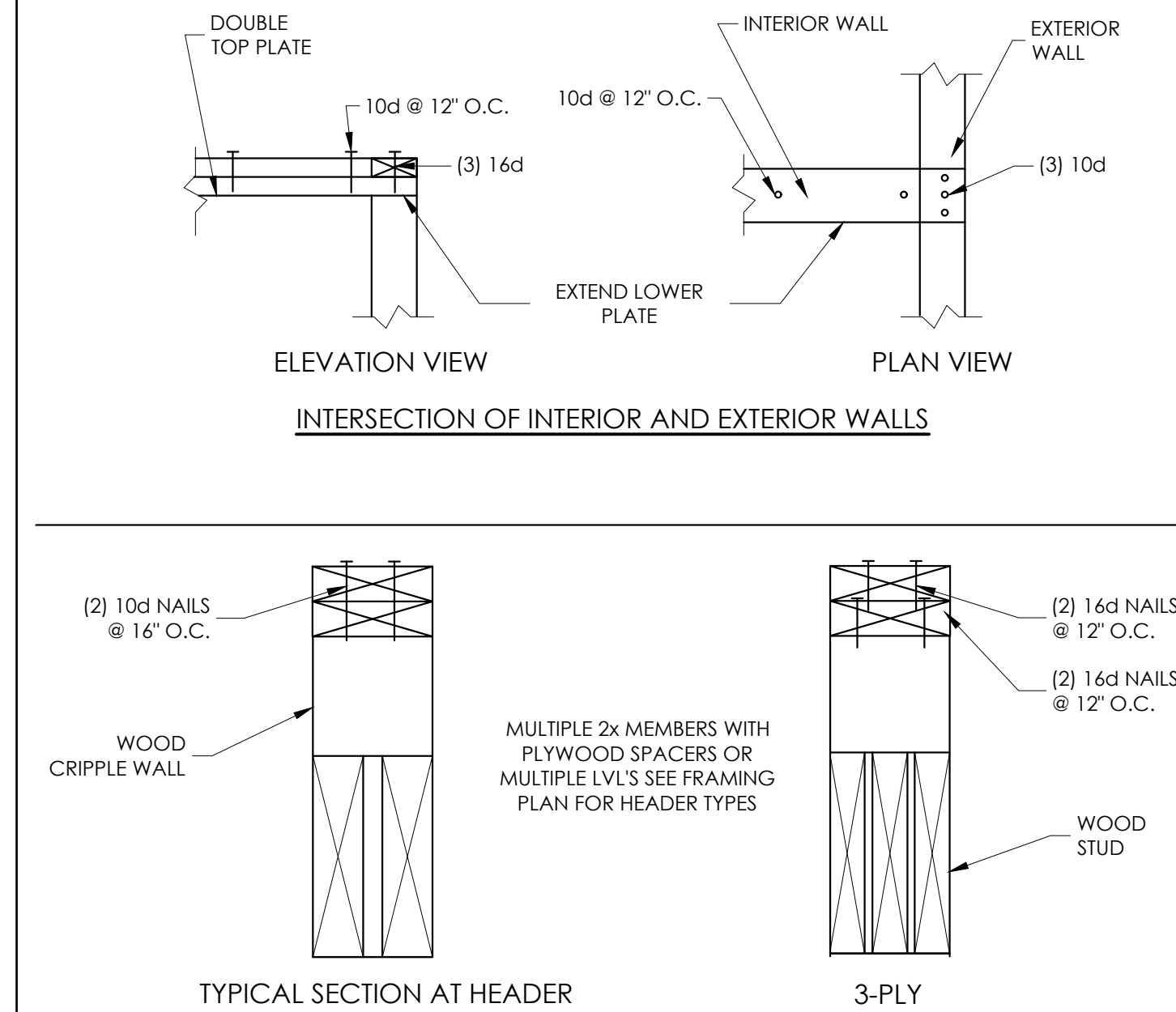
3 RE-ENTRANT CORNER FRAMING
SCALE: NONE



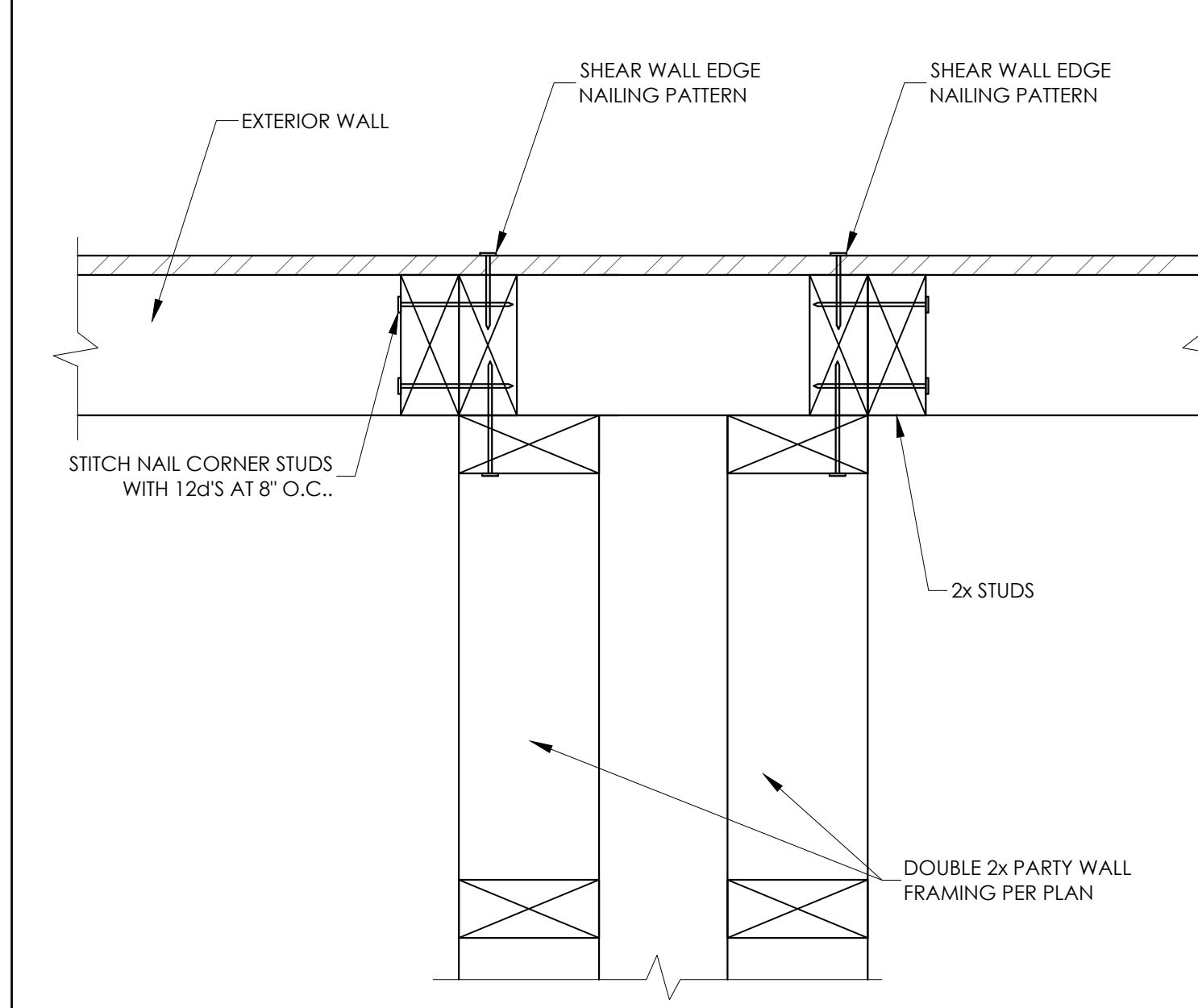
4 CORNER FRAMING
SCALE: NONE



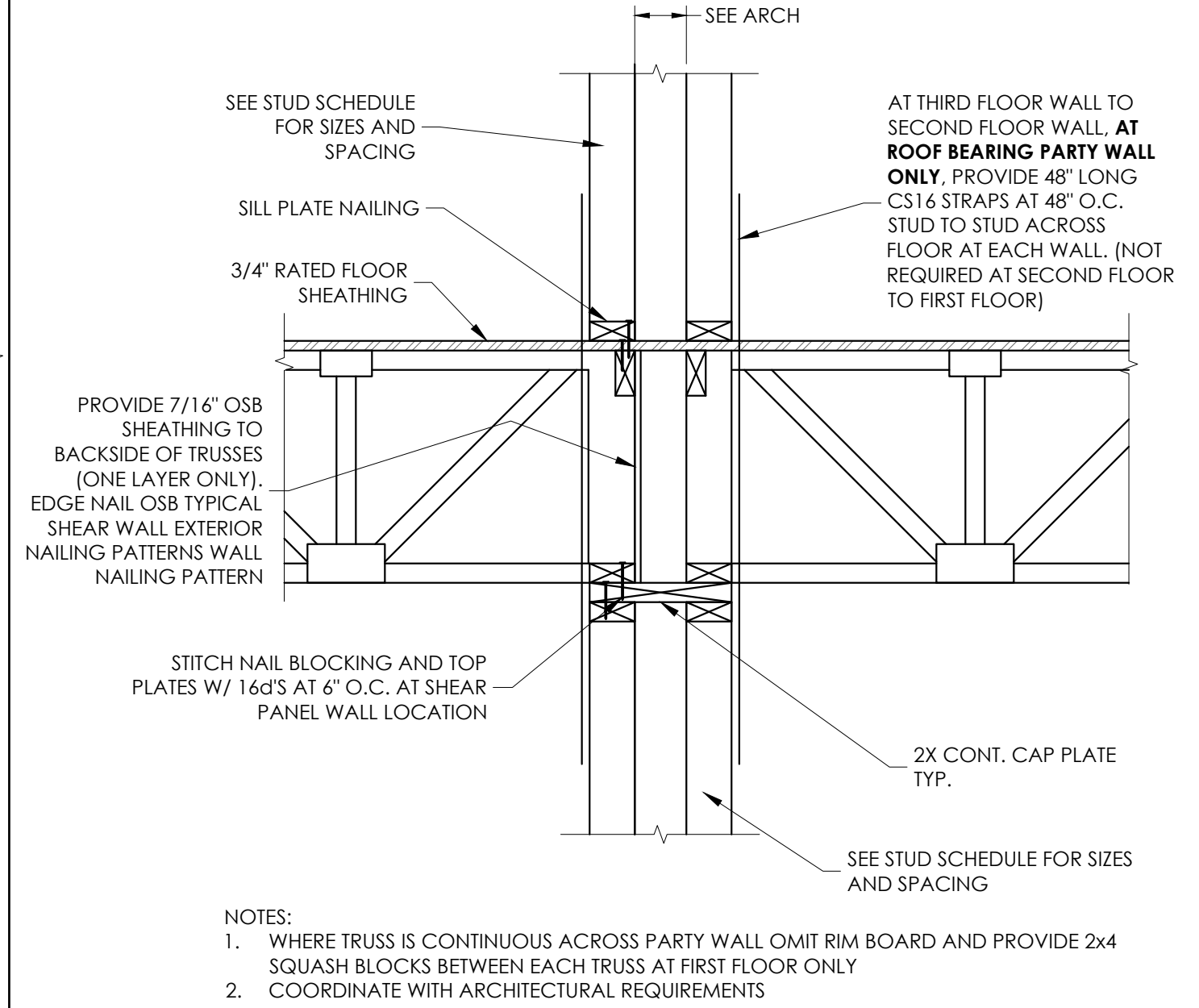
5 HEADER SUPPORT DETAIL
SCALE: NONE



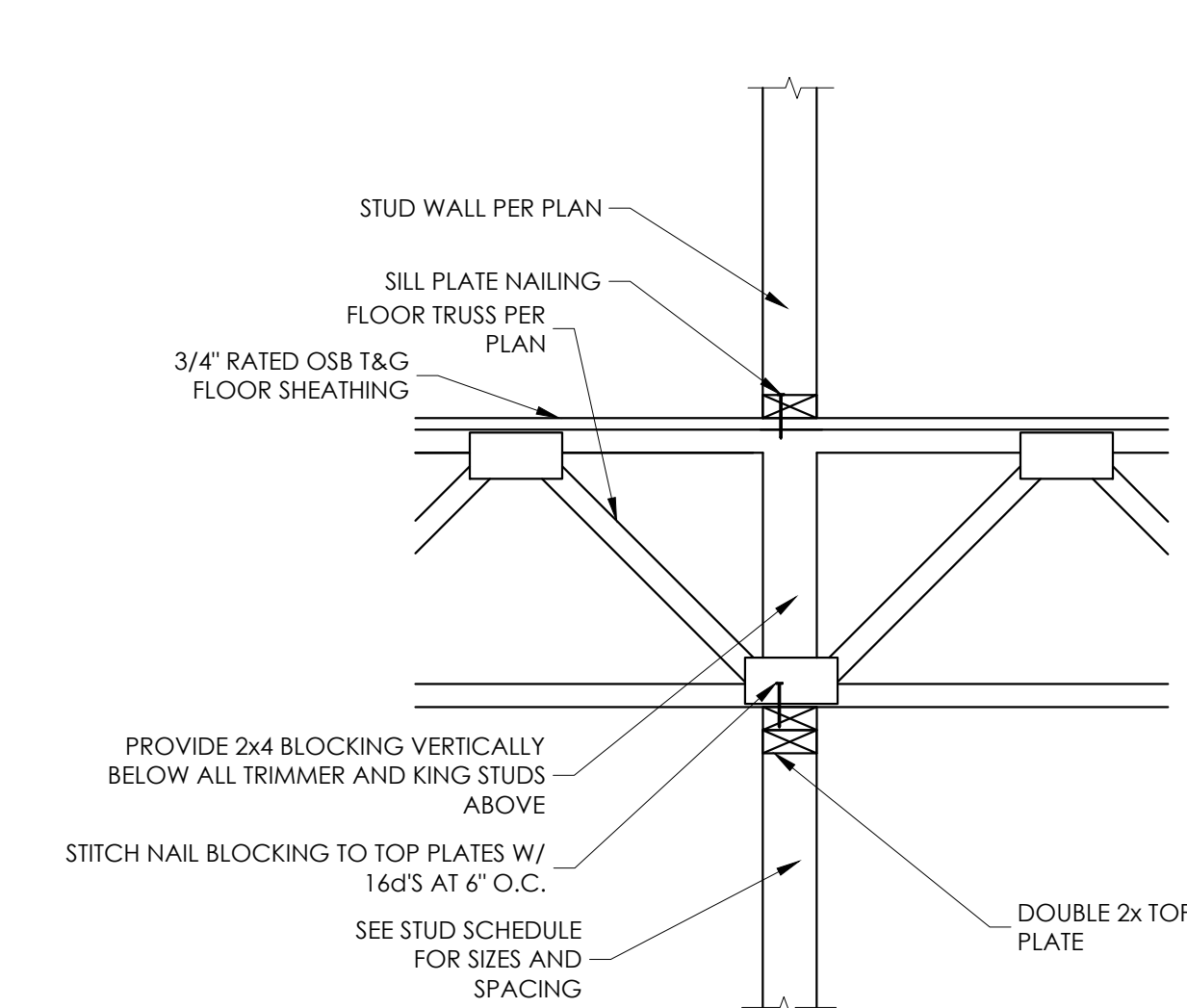
6 HEADER SECTION
SCALE: NONE



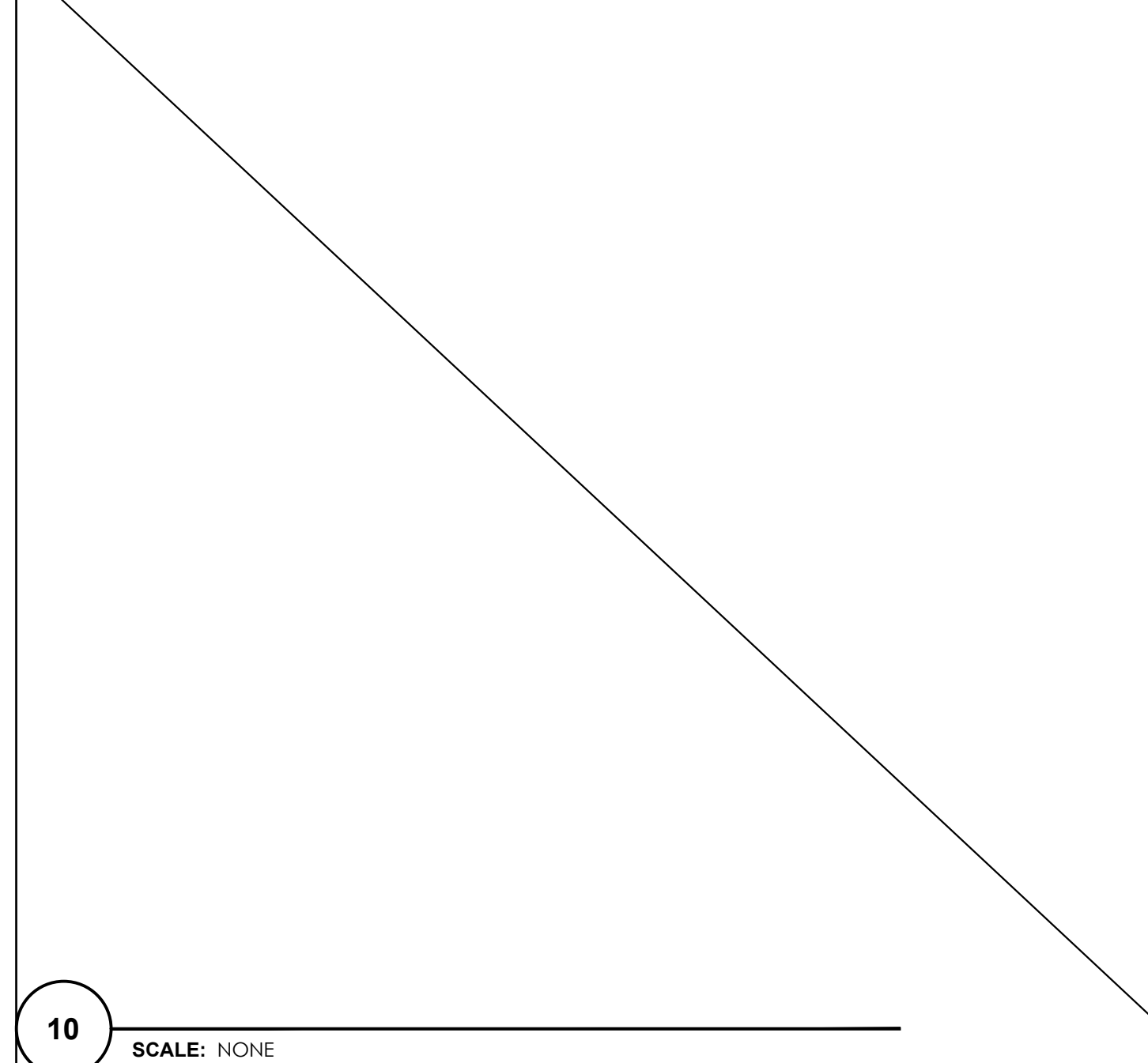
7 PARTY WALL END STUD FRAMING
SCALE: NONE



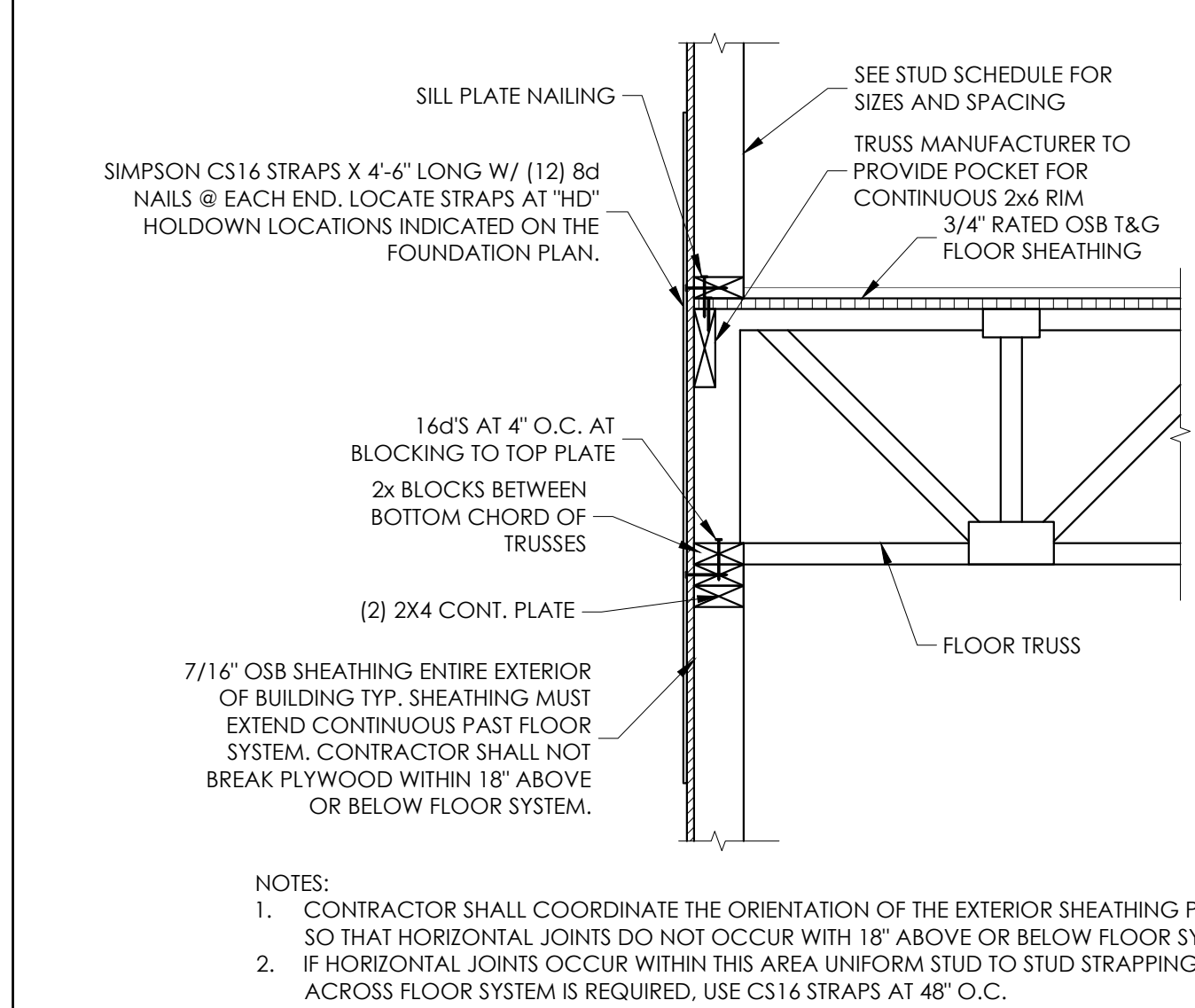
8 FLOOR TRUSS BEARING AT PARTY WALL
SCALE: NONE



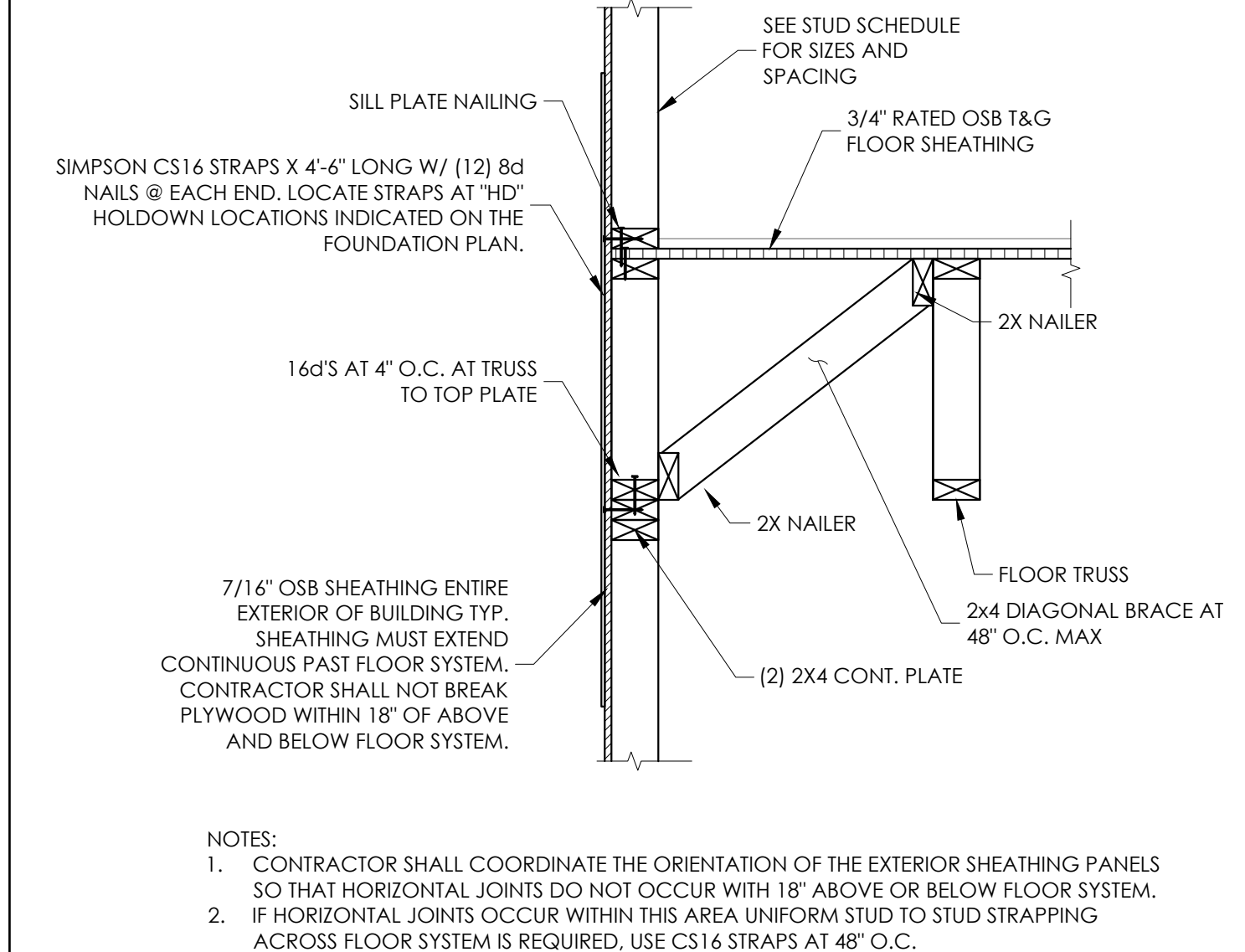
9 FLOOR TRUSS BEARING AT INTERIOR WALL
SCALE: NONE



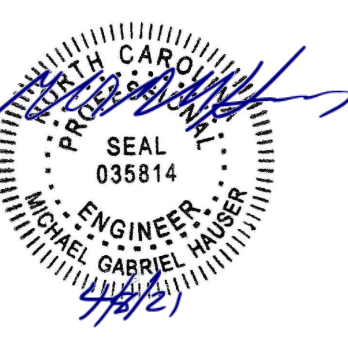
10
SCALE: NONE



11 FLOOR TRUSS BEARING AT EXTERIOR WALL
SCALE: NONE



12 FLOOR TRUSS PARALLEL WITH EXTERIOR WALL
SCALE: NONE



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DATE: APRIL 8, 2021
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SET # **SP100**

SHEET **STRUCTURAL DETAILS**

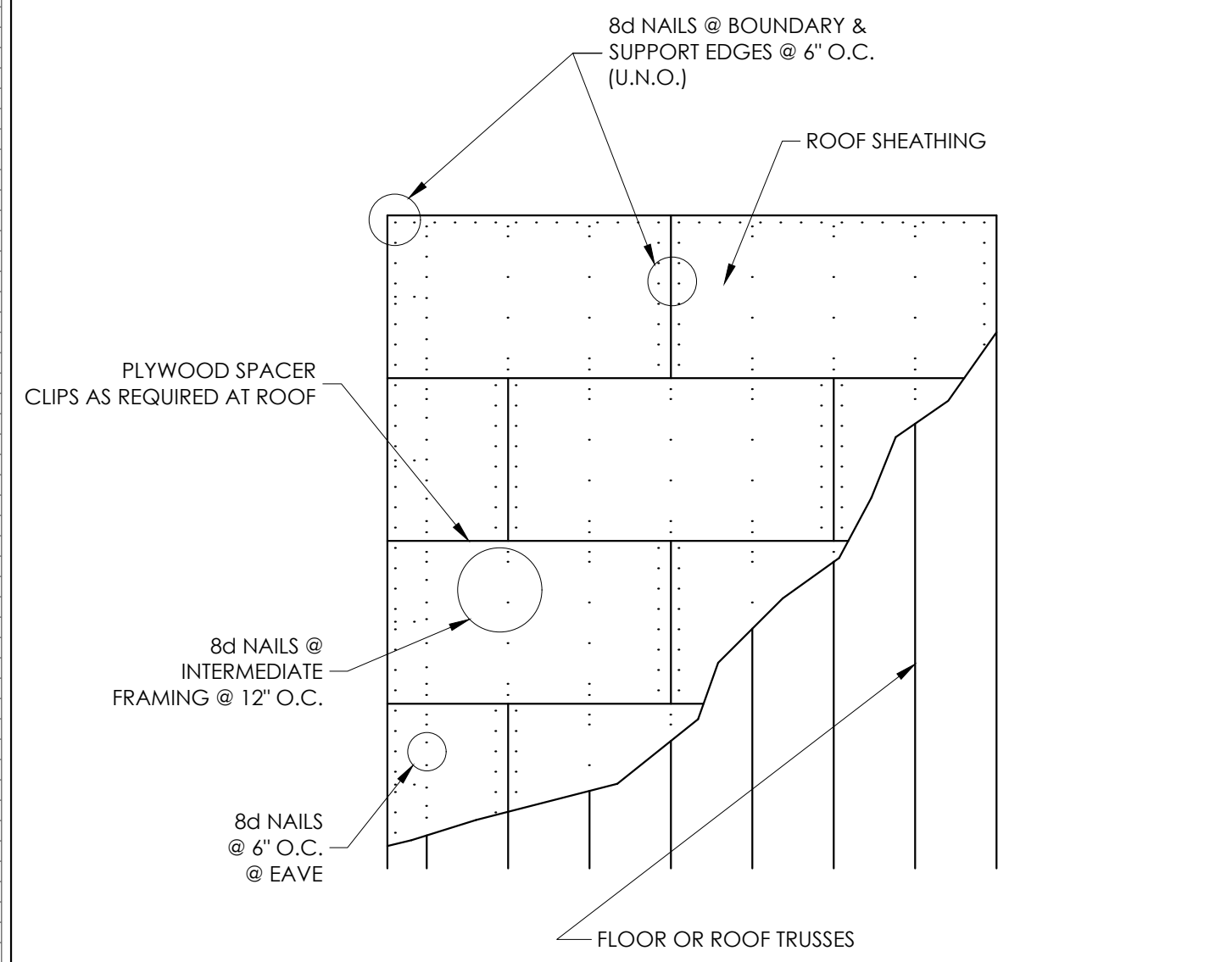
S5
SHEET 19 of 23
TOTAL SHEETS IN SET: 23
DRAWN BY: RJA
CHECKED BY: TD



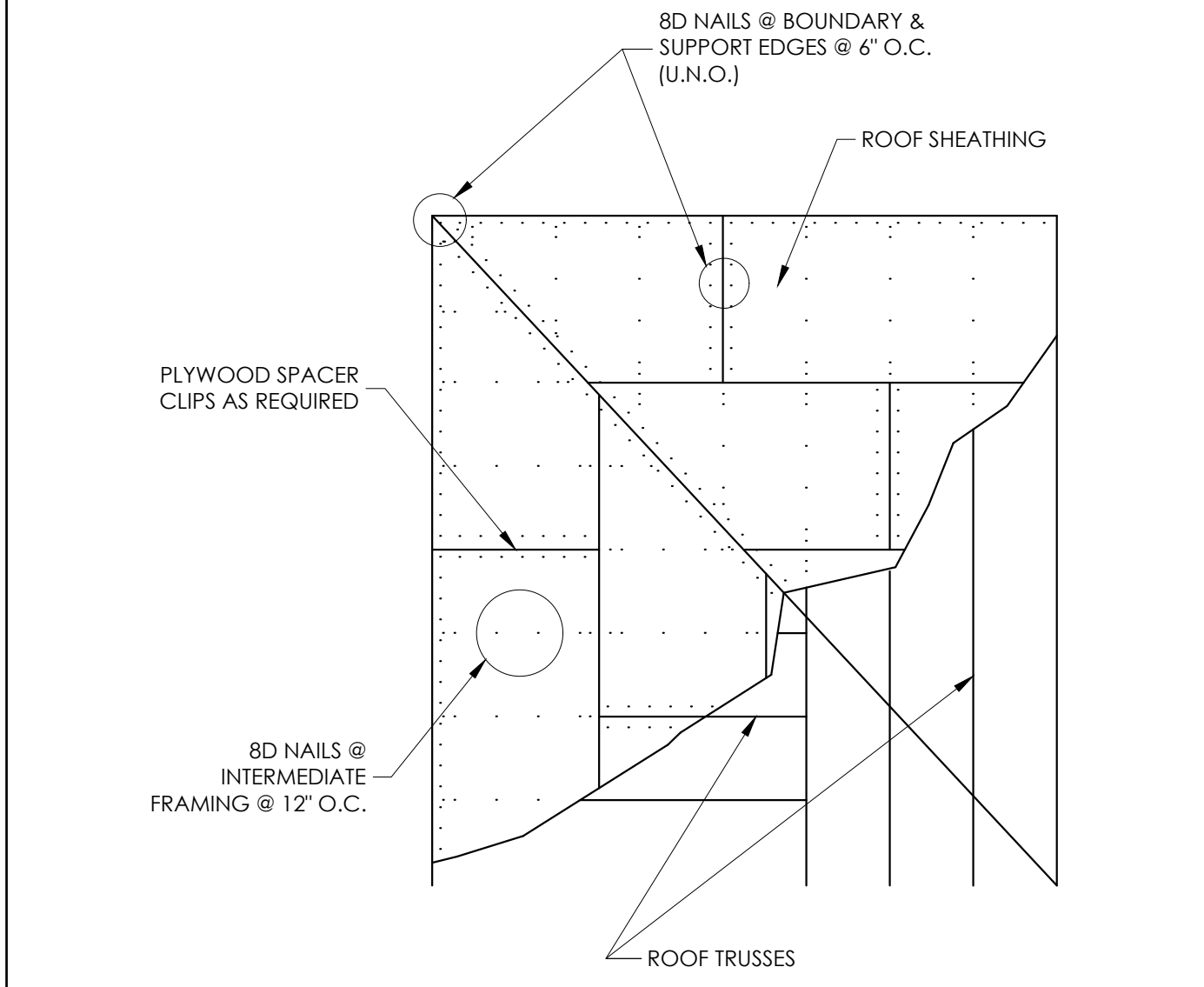
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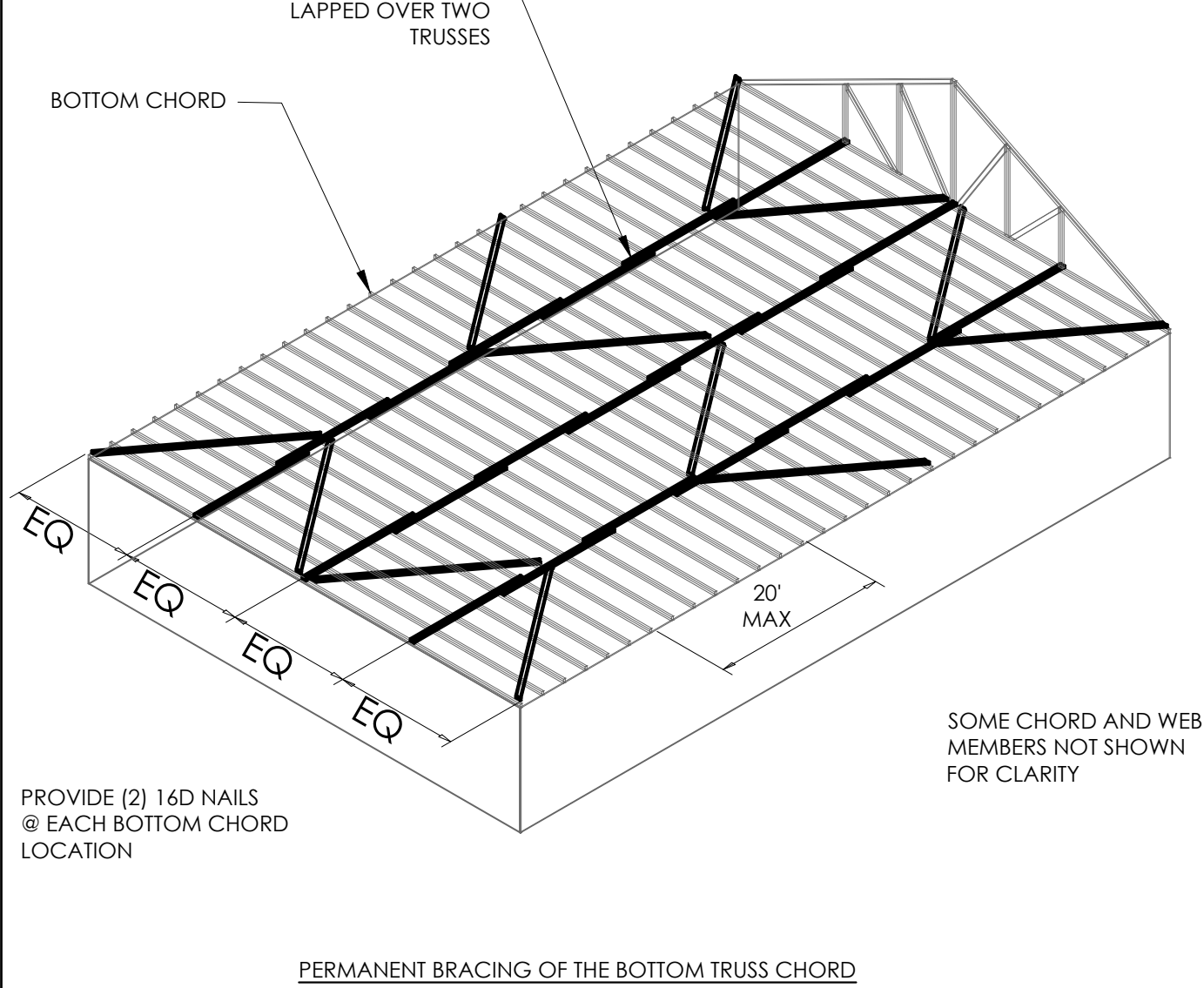
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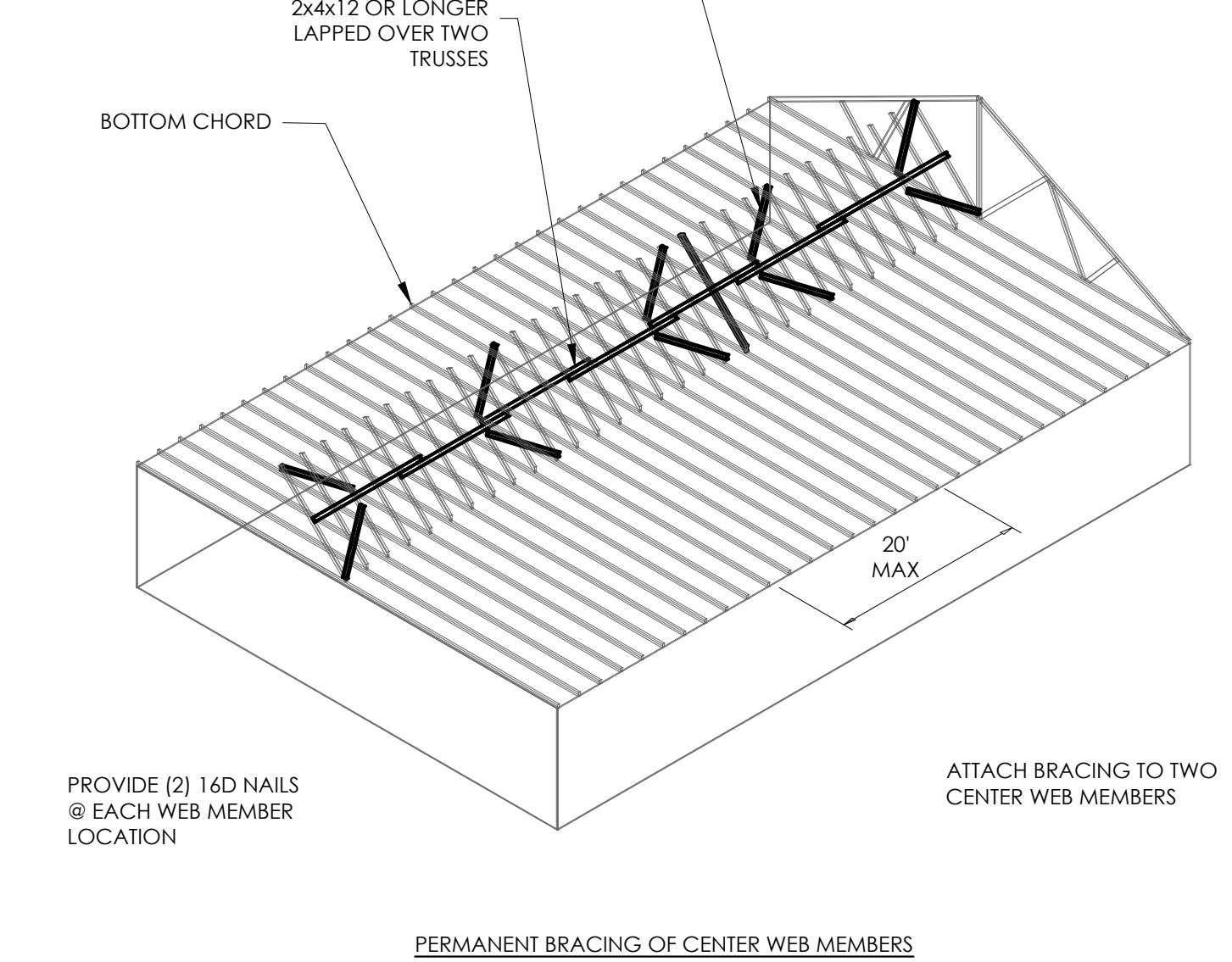
1 ROOF SHEATHING ATTACHMENT GABLE CONDITION
SCALE: NONE



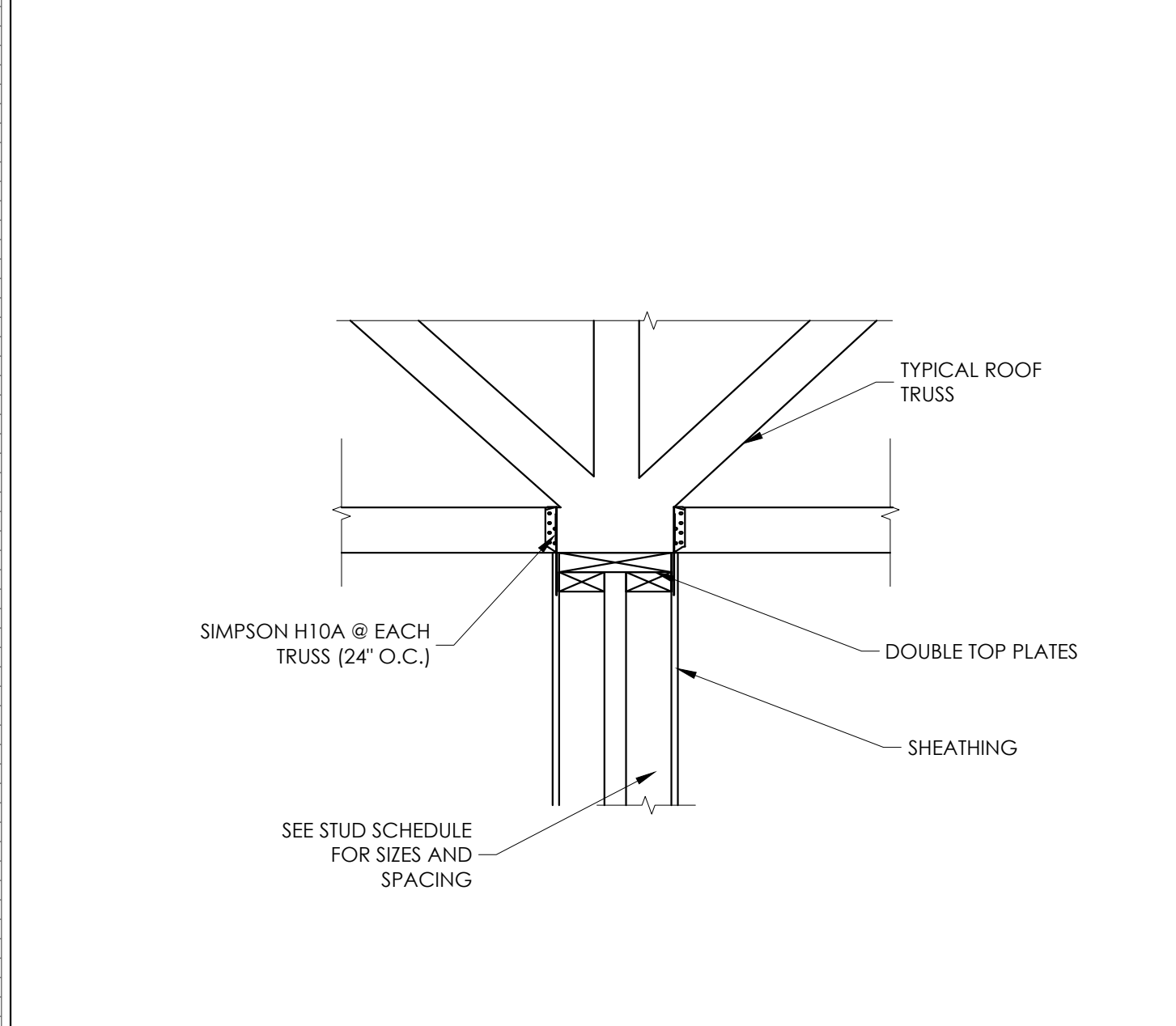
2 ROOF SHEATHING ATTACHMENT HIP CONDITION
SCALE: NONE



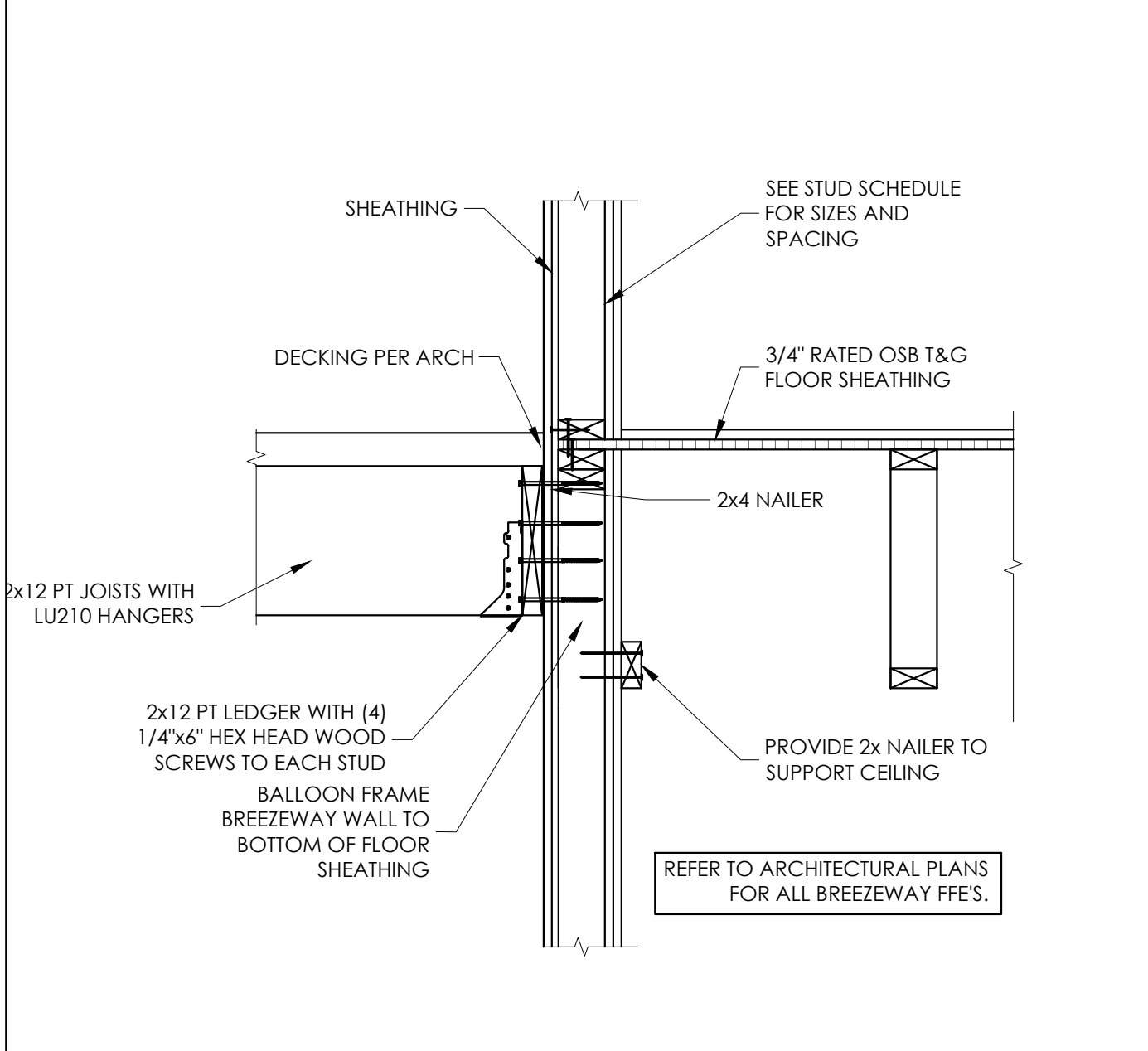
3 PERMANENT TRUSS BOTTOM CHORD BRACING
SCALE: NONE



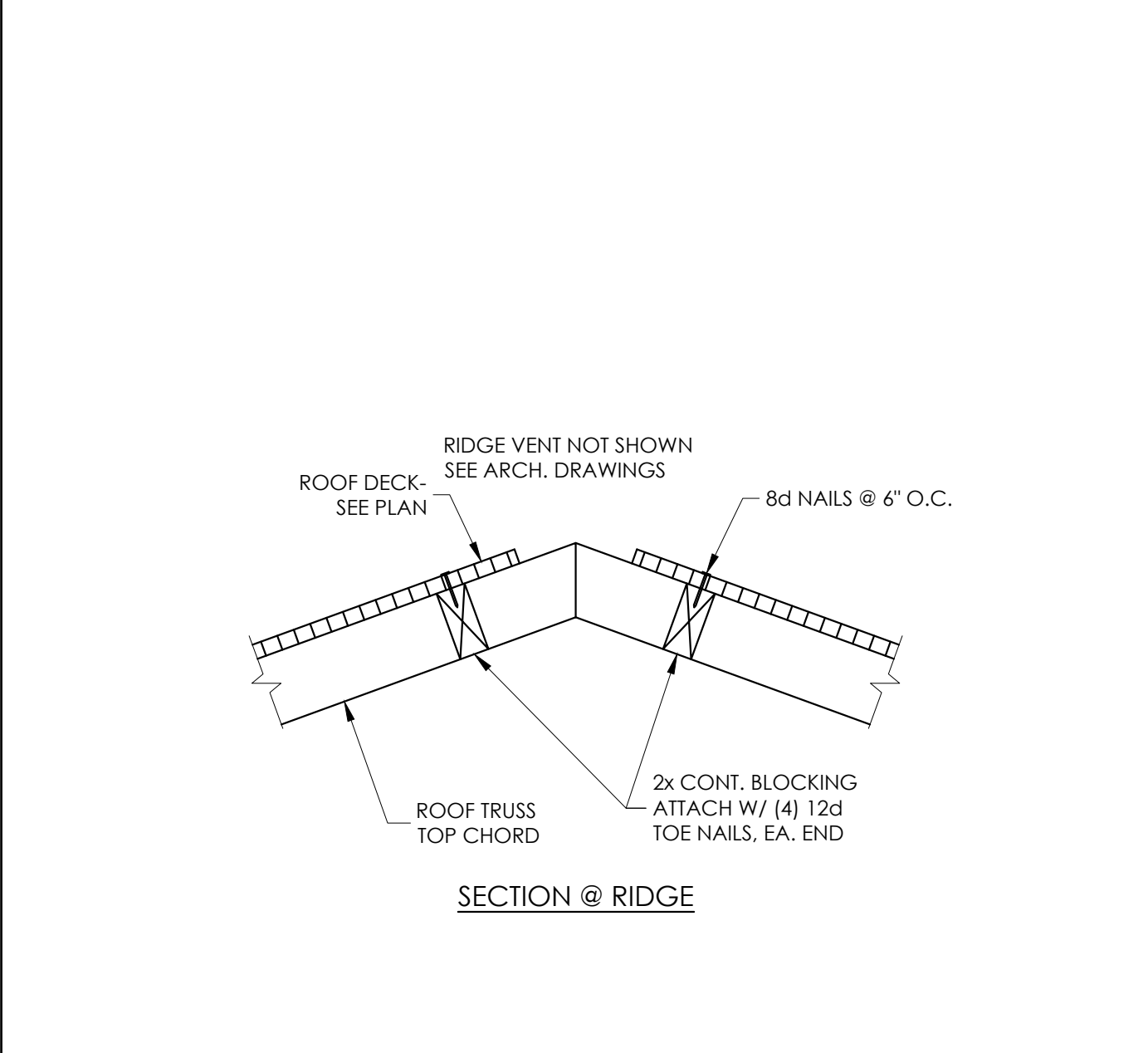
4 PERMANENT TRUSS WEB BRACING
SCALE: NONE



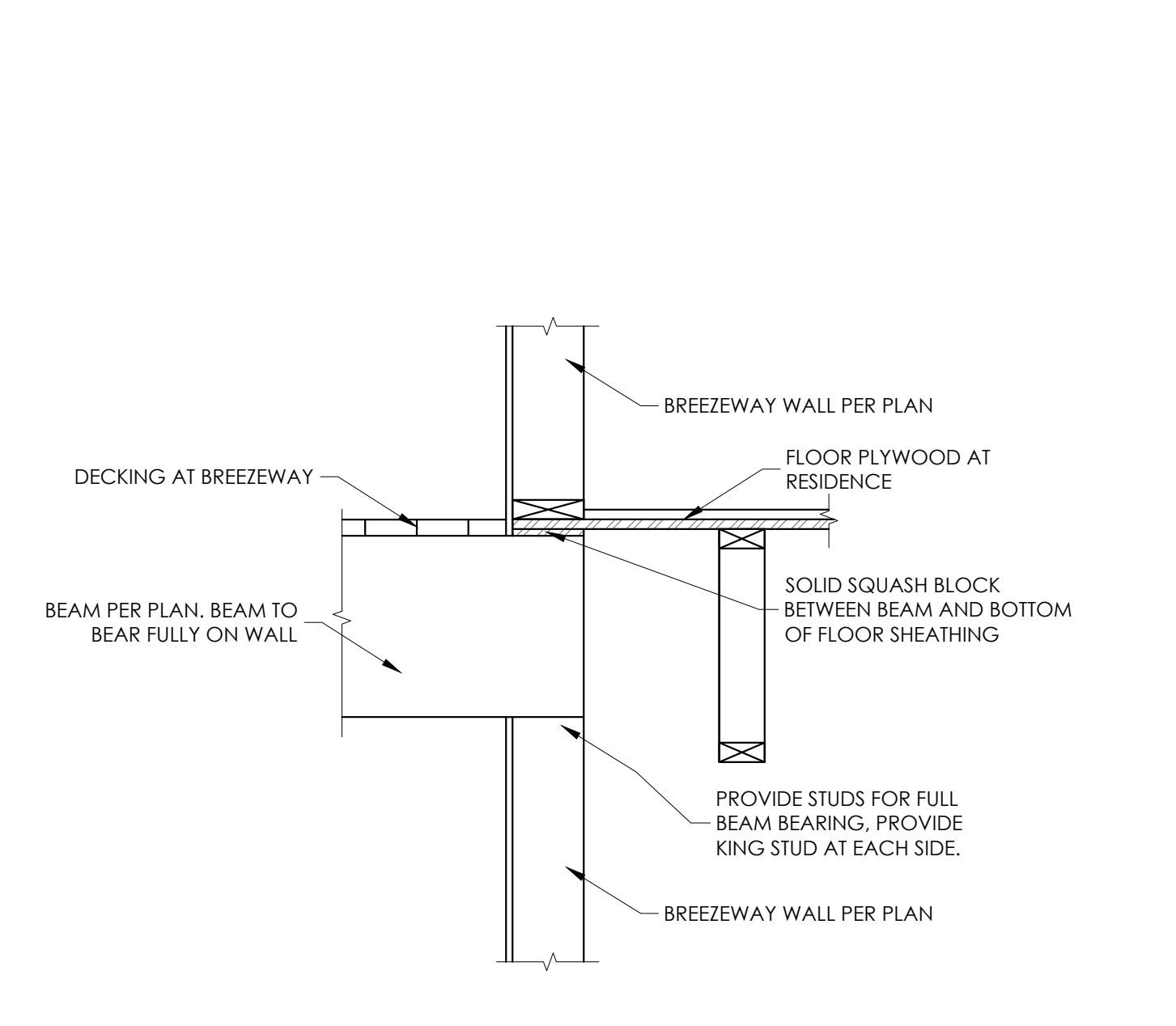
5 TRUSSES BEARING AT PARTY WALL
SCALE: NONE



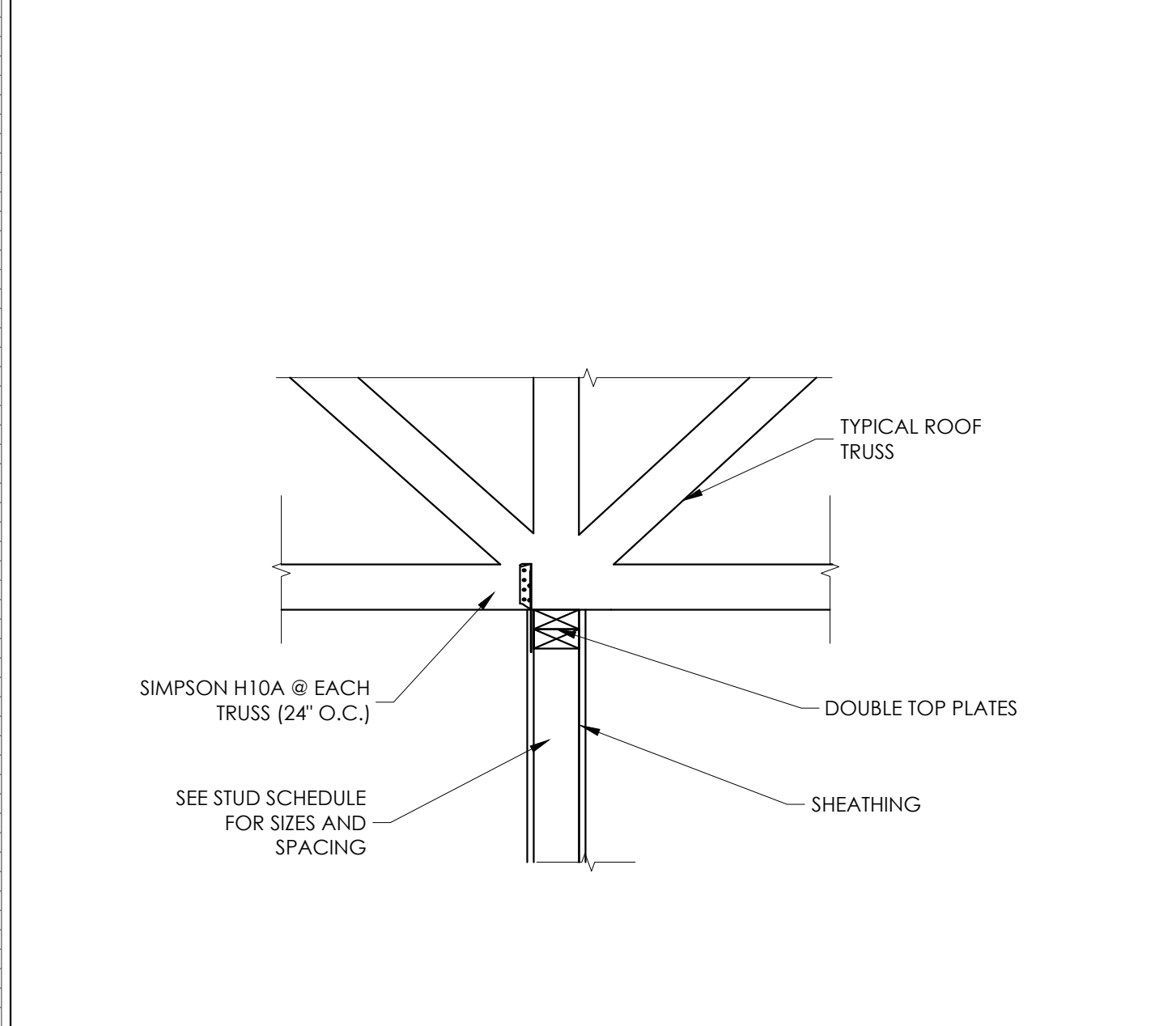
6 SECTION AT BREEZEWAY
SCALE: NONE



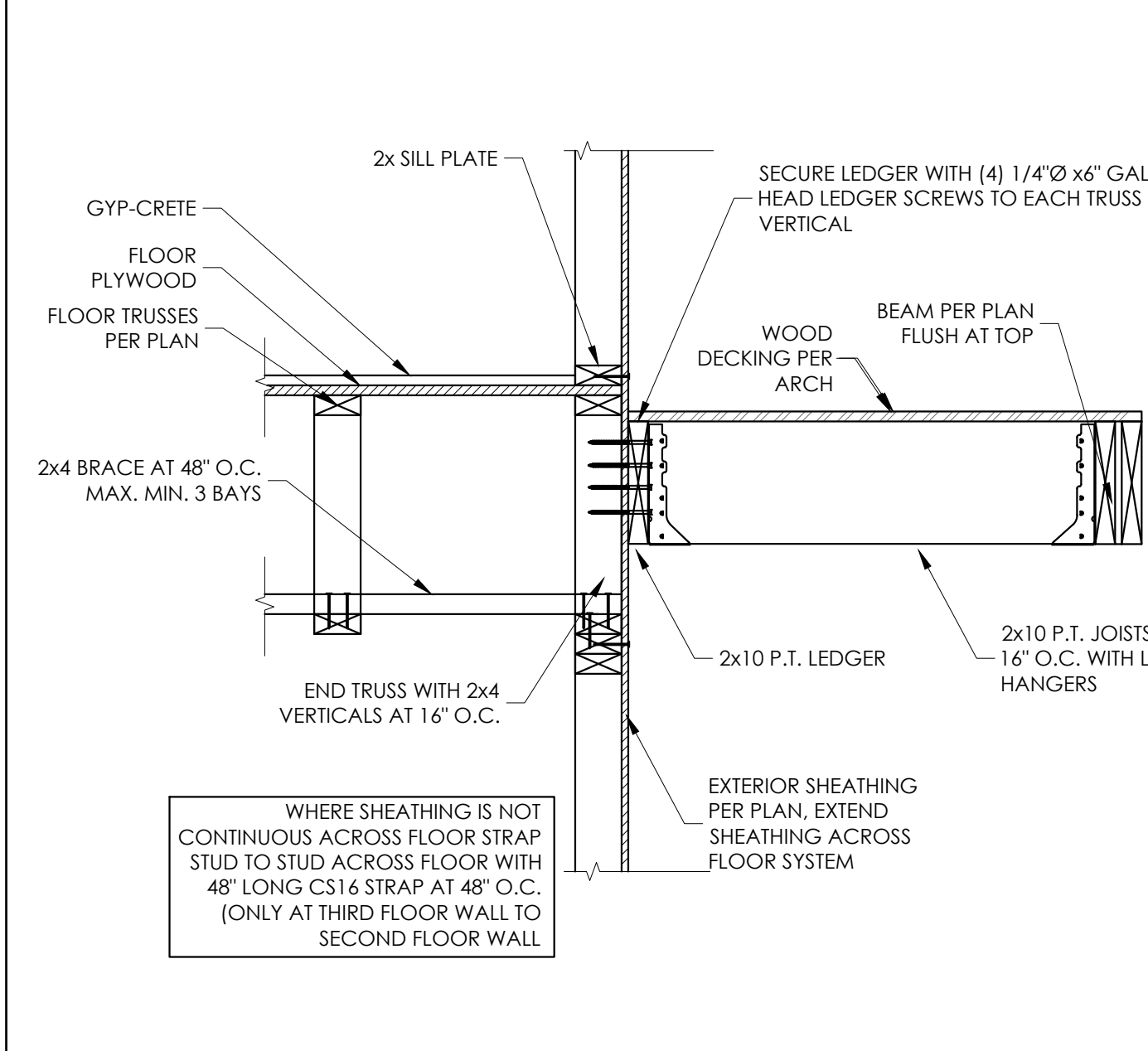
7 SECTION AT ROOF RIDGE VENT
SCALE: NONE



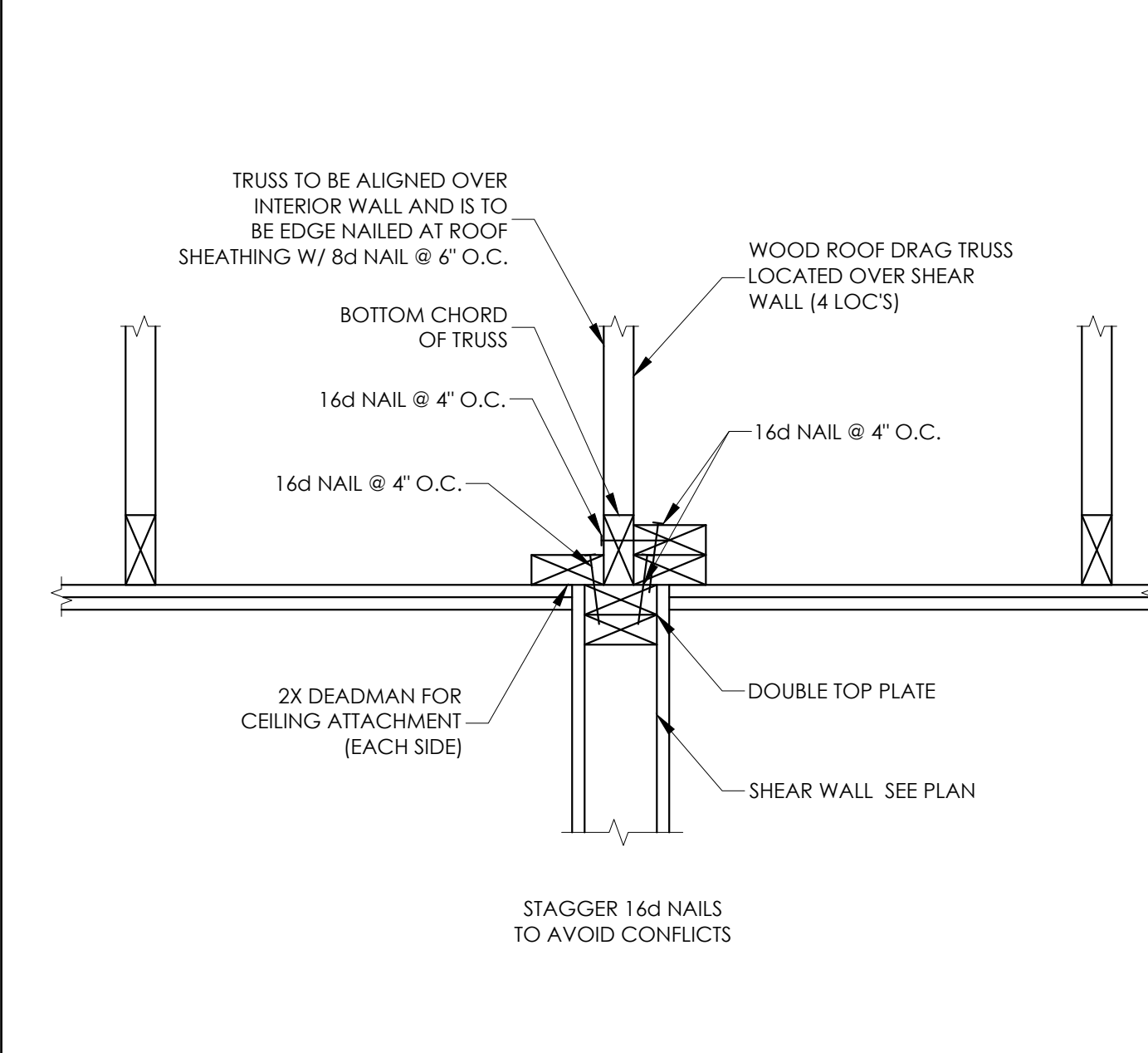
8 BEAM POCKET DETAIL
SCALE: NONE



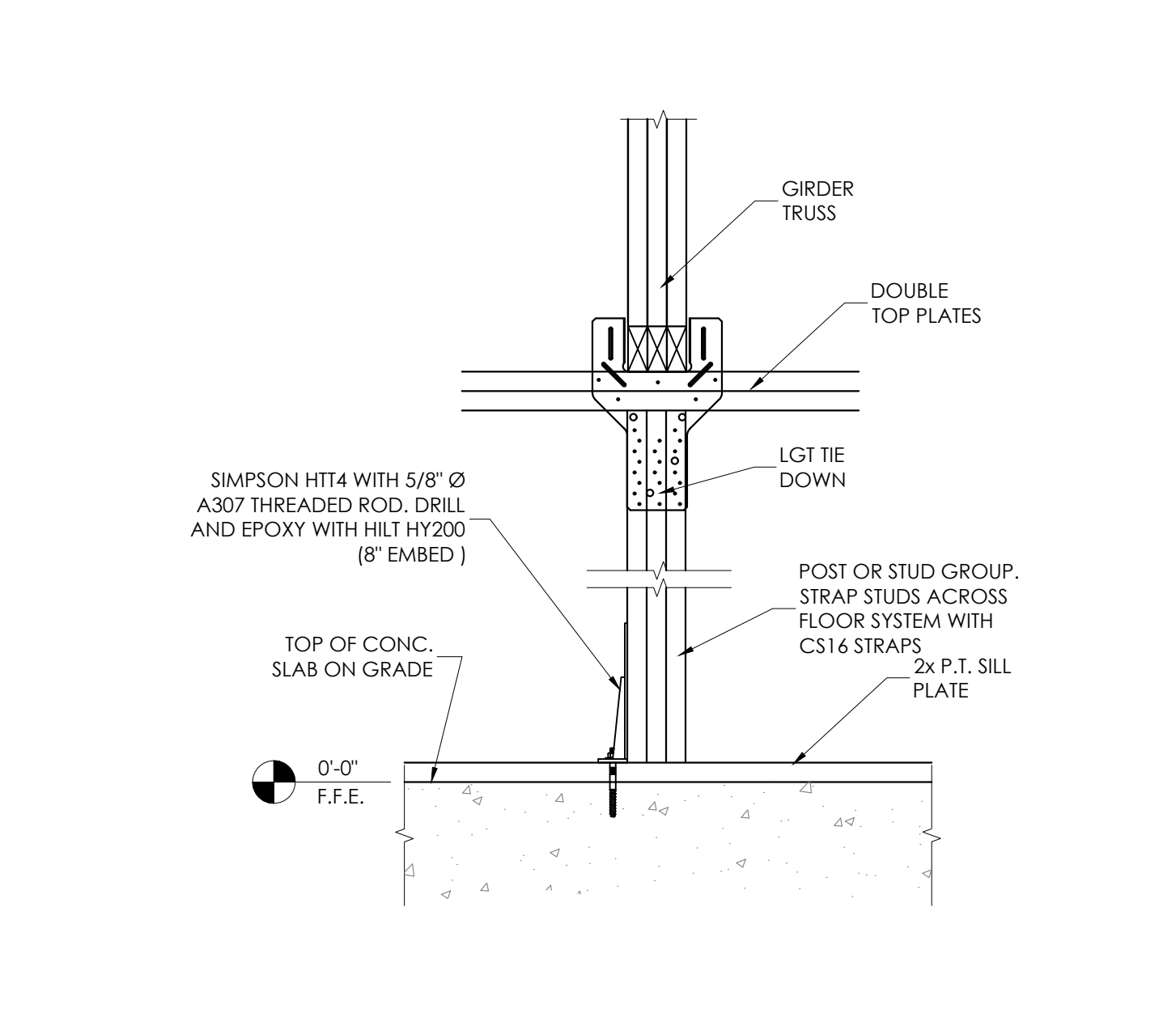
9 TRUSS BEARING AT INTERIOR WALL
SCALE: NONE



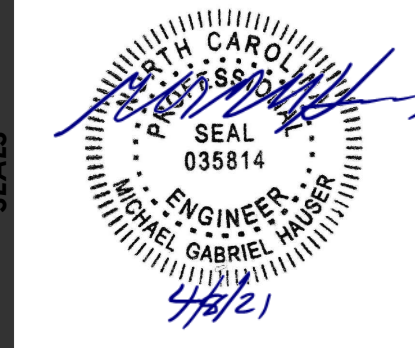
10 BALCONY FRAMING
SCALE: NONE



11 TRUSS OVER WALL
SCALE: NONE



12 GIRDER TRUSS TIE DOWN
SCALE: NONE



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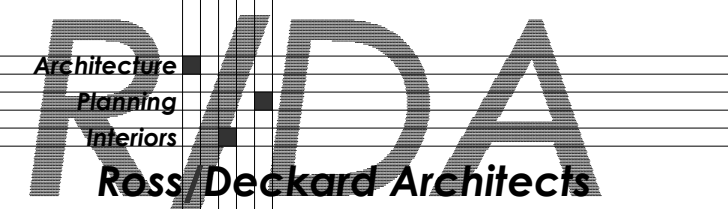
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DATE: APRIL 8, 2021
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SET # **SP100**

SHEET **STRUCTURAL DETAILS**

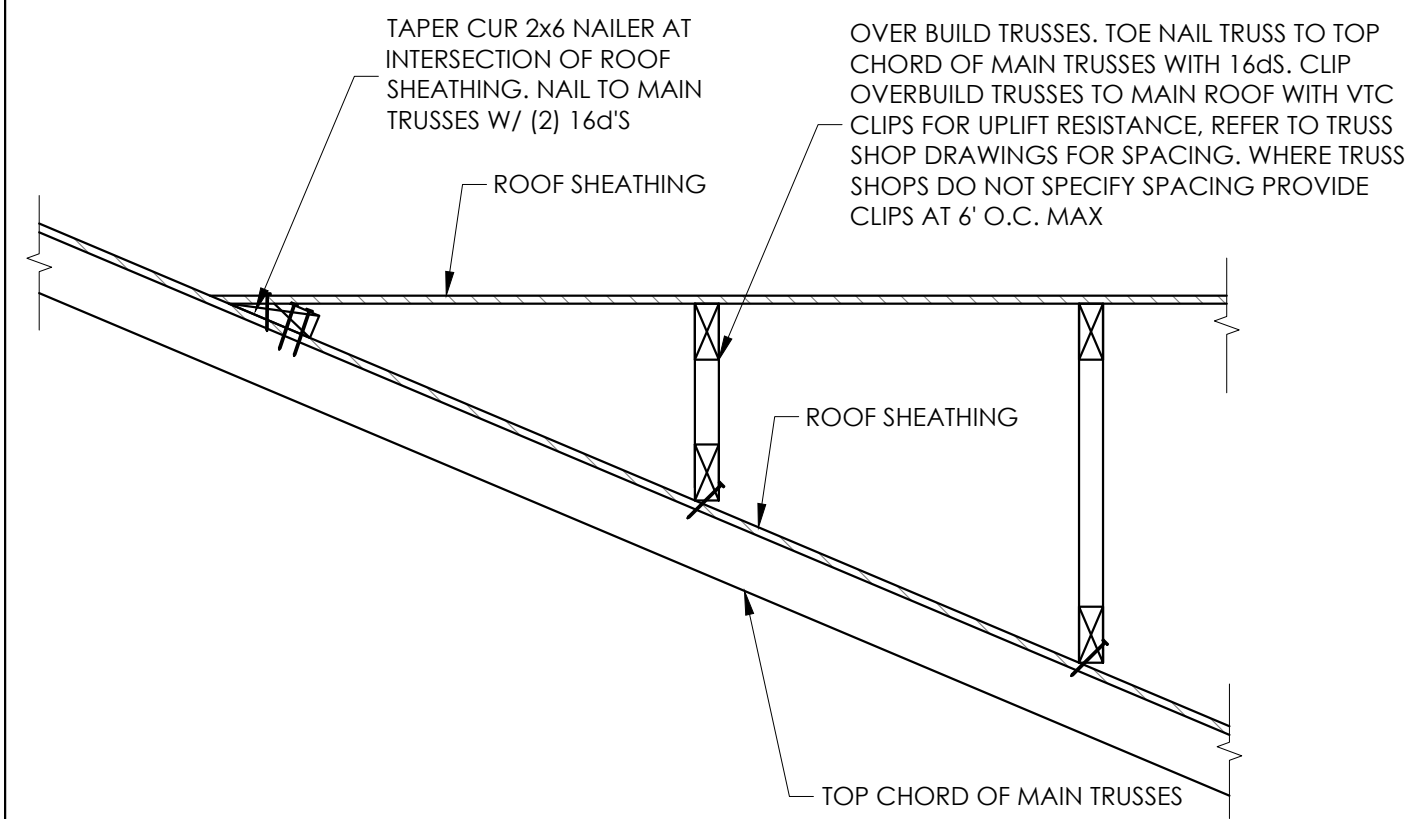
S6
SHEET 20 of 23
TOTAL SHEETS IN SET: DRAWN BY: RJA
CHECKED BY: TD



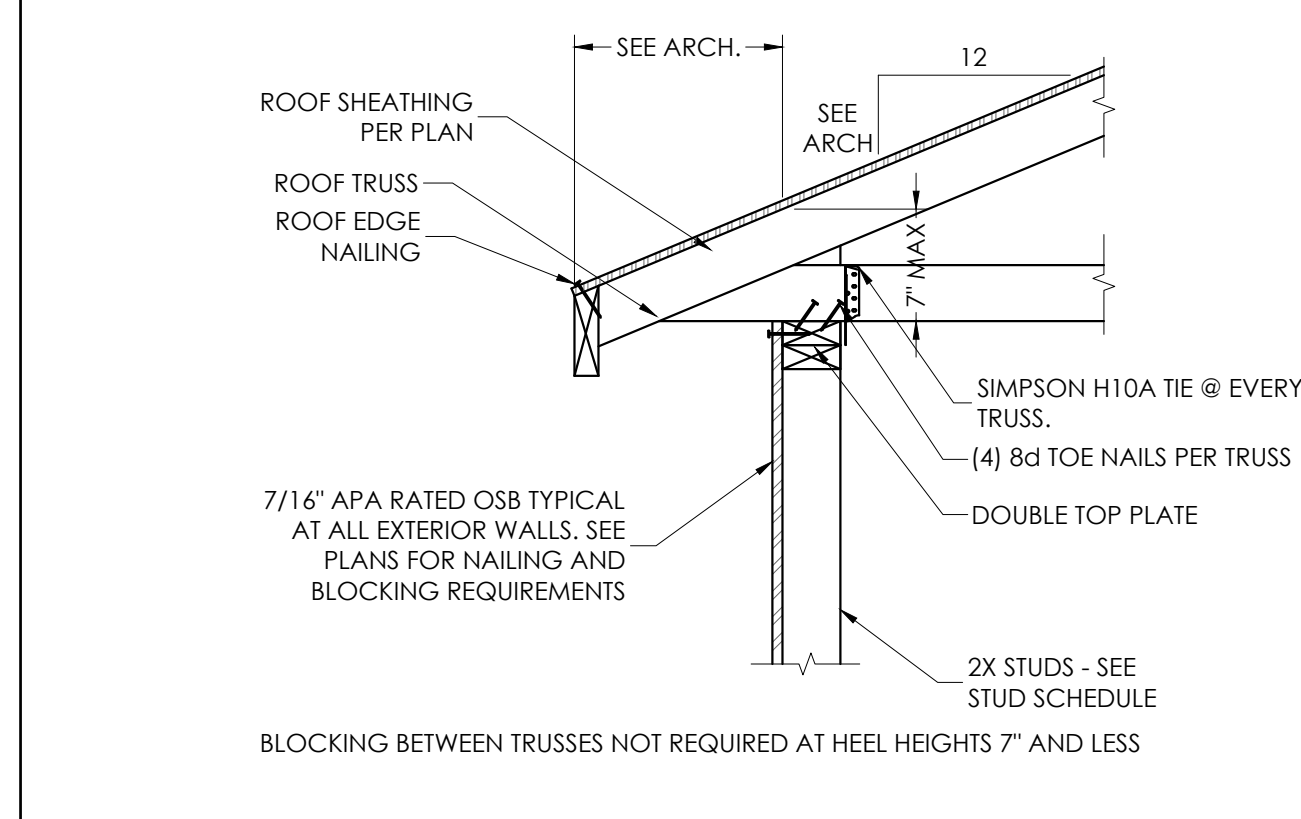
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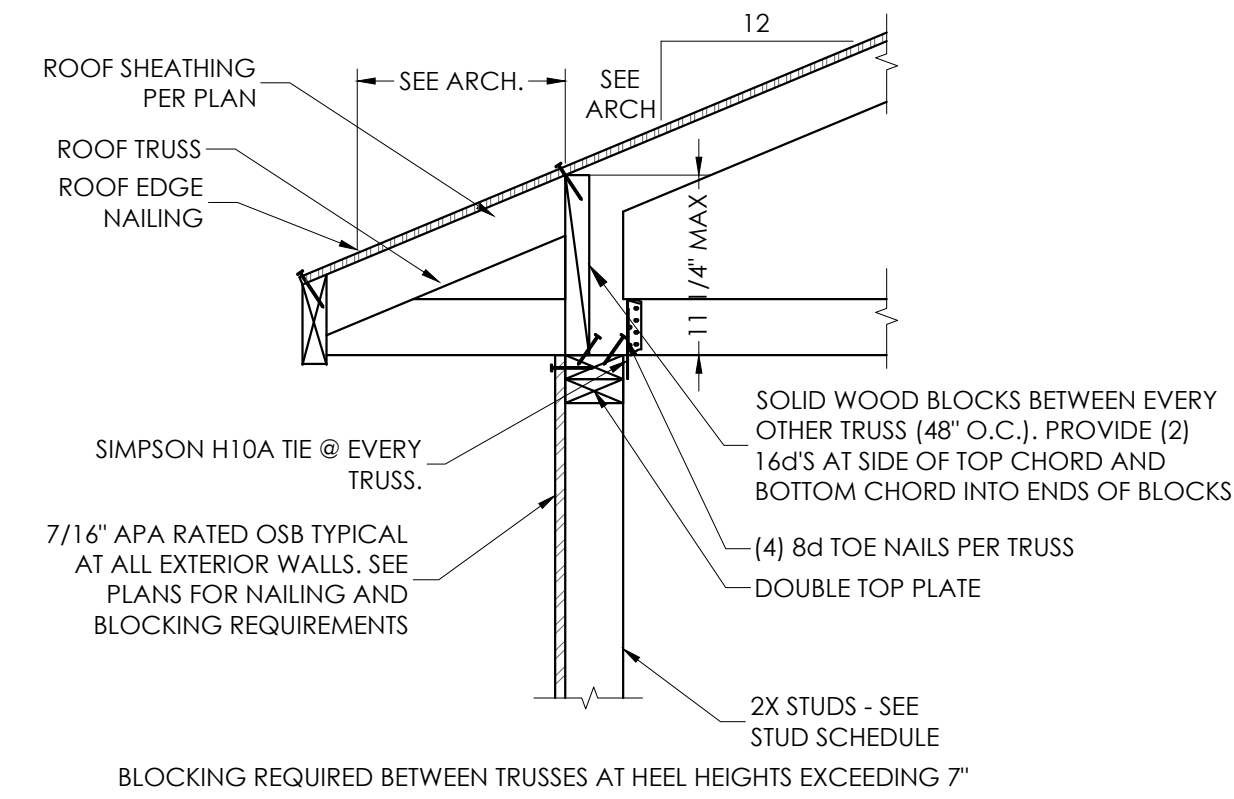
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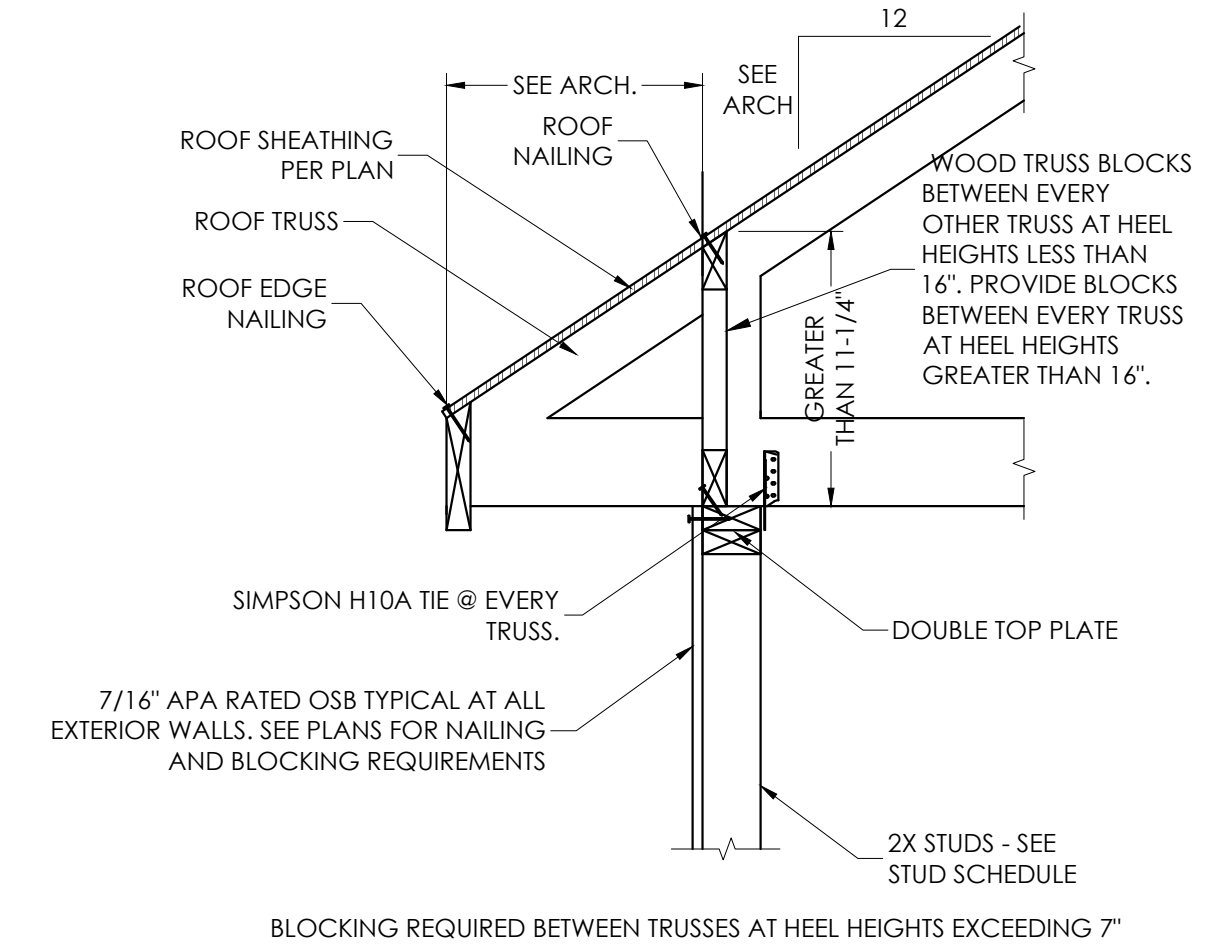
1 ROOF SHEATHING ATTACHMENT GABLE CONDITION
SCALE: NONE



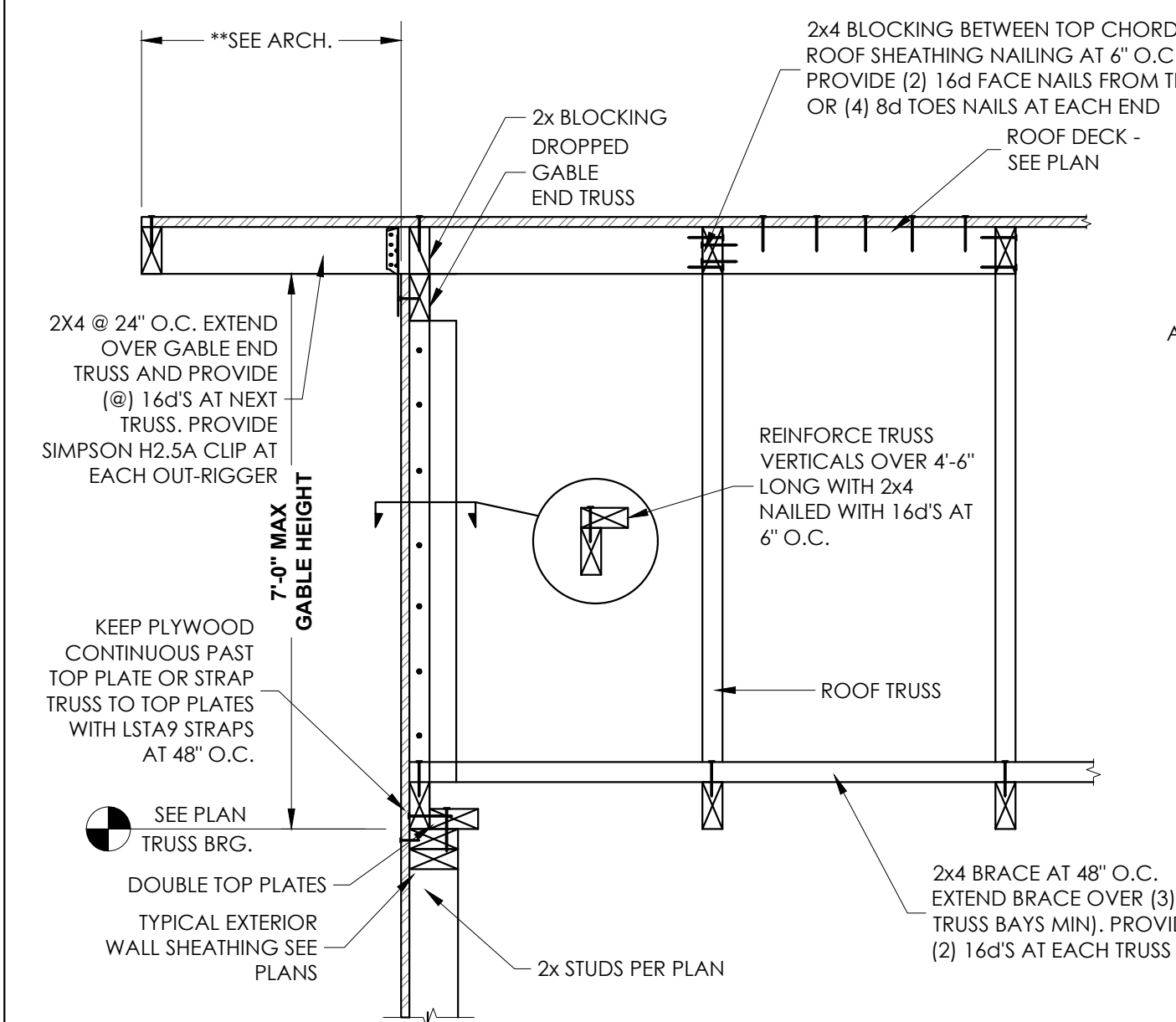
2 SECTION AT ROOF TRUSS BEARING
SCALE: NONE



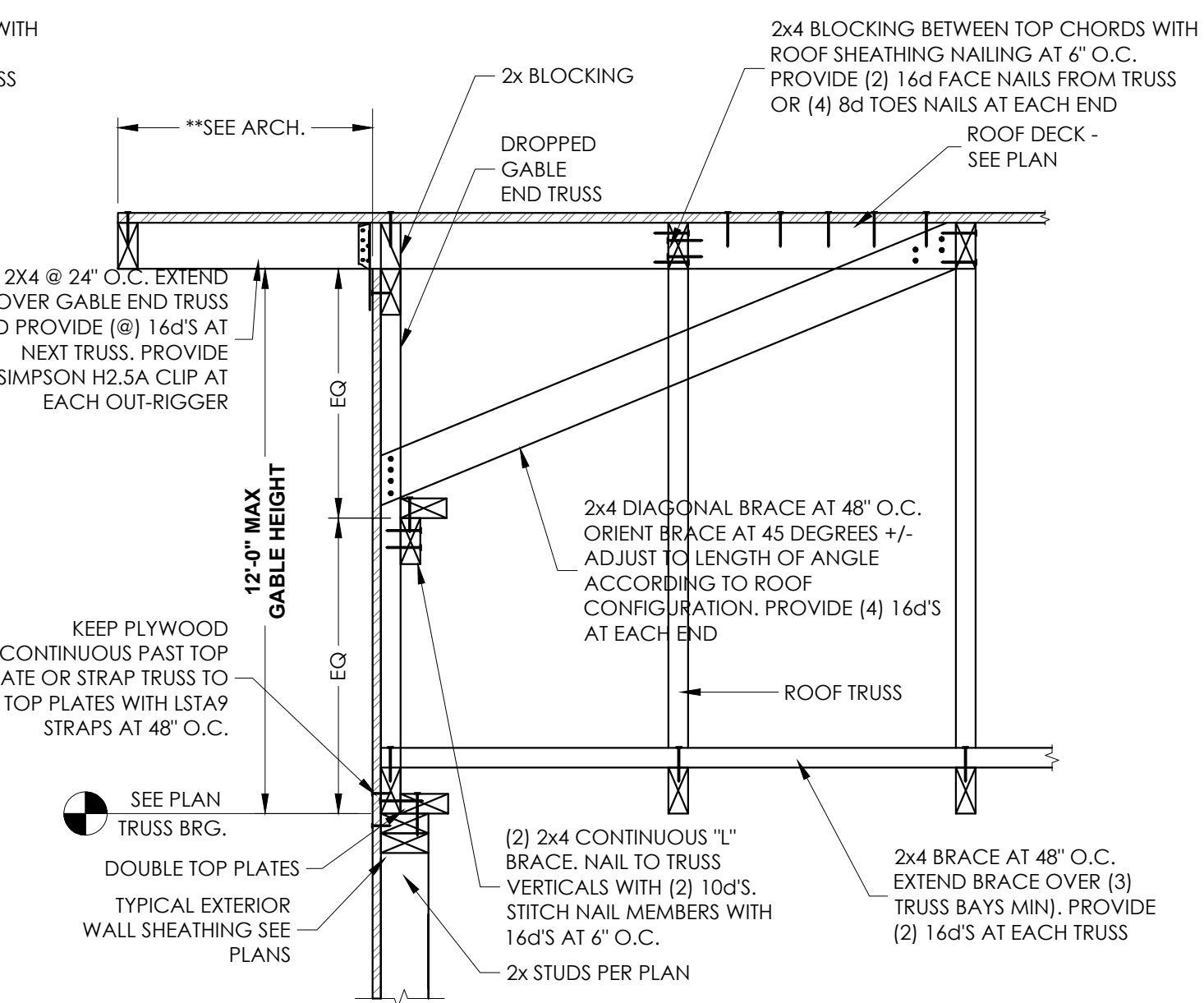
4 TRUSS BLOCKING DETAIL. SEE DETAIL 2 FOR MORE INFORMATION



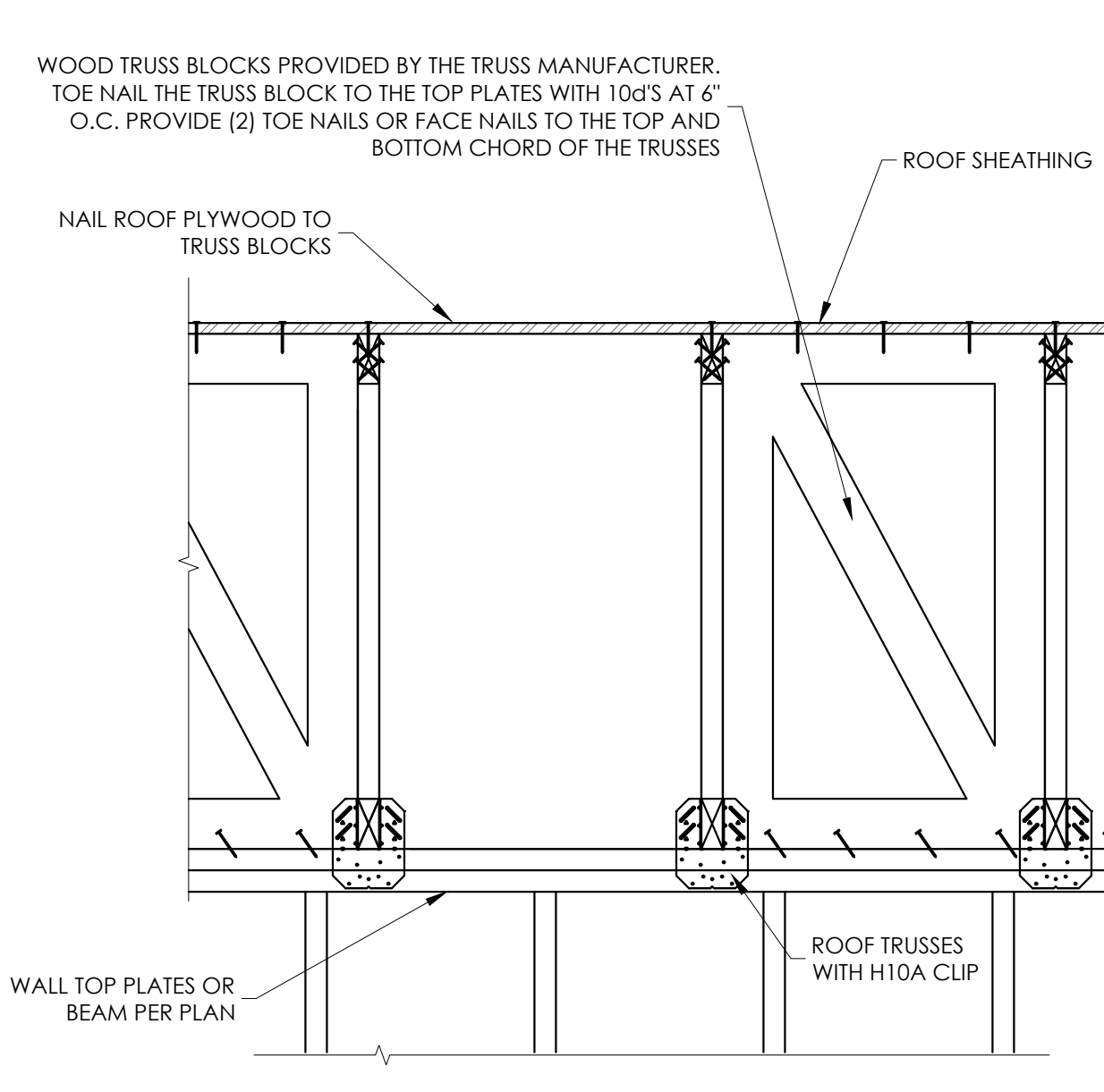
5 STEP IN ROOF
SCALE: NONE



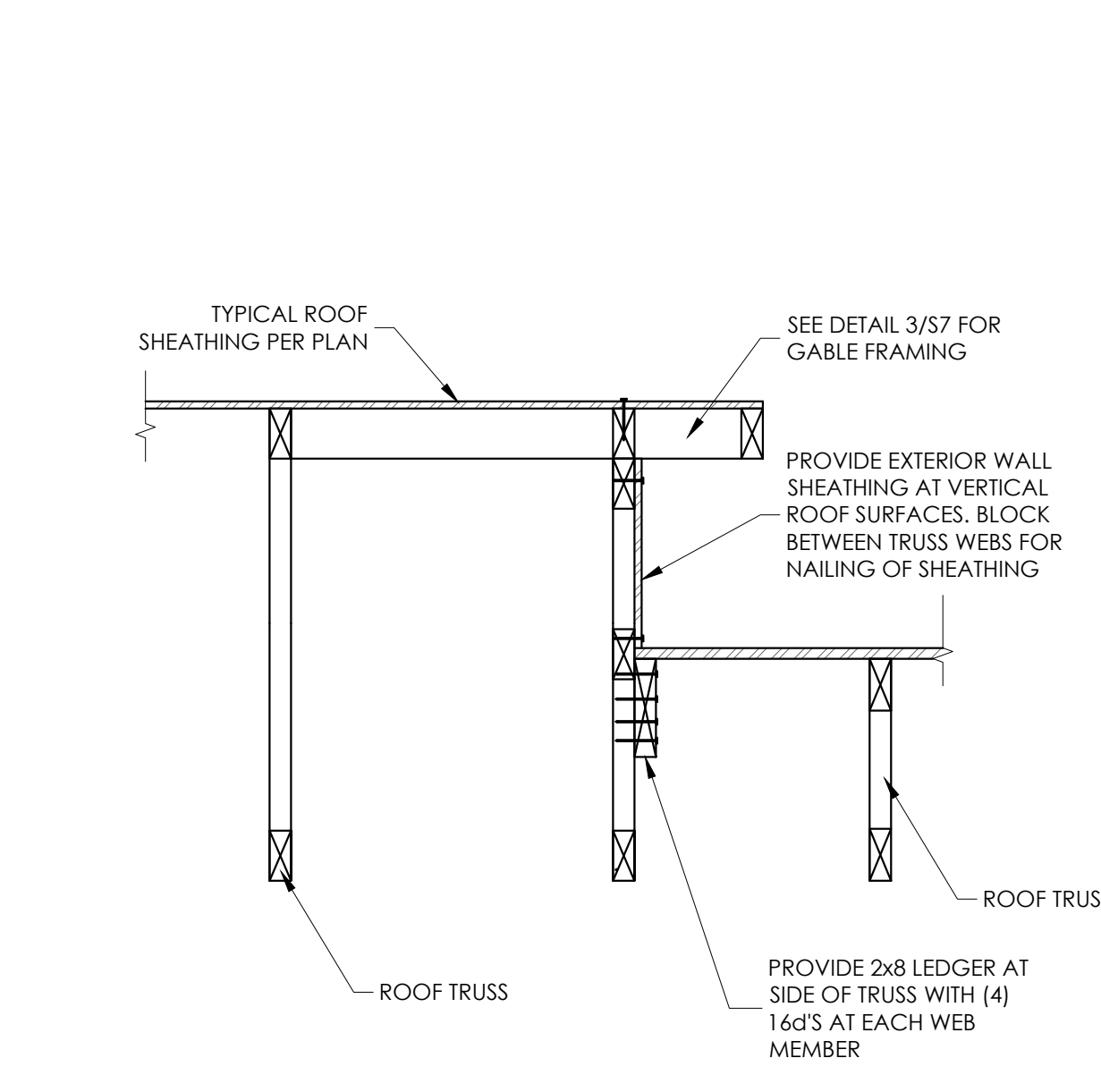
3 GABLE END TRUSS SECTION
SCALE: NONE



7 SECTION AT GIRDER TRUSS
SCALE: NONE

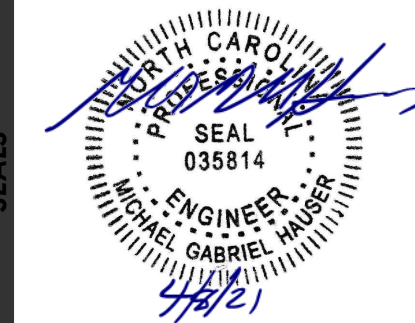


8 BALCONY POST CONNECTION
SCALE: NONE



9 BEAM POCKET DETAIL
SCALE: NONE

**WHERE ROOF OVERHANG IS 12\"/>



HAUSER-CREECH, INC.
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4506 PEARCES RD.
ZEBULON, NC
27597

PROJECT: The Grove

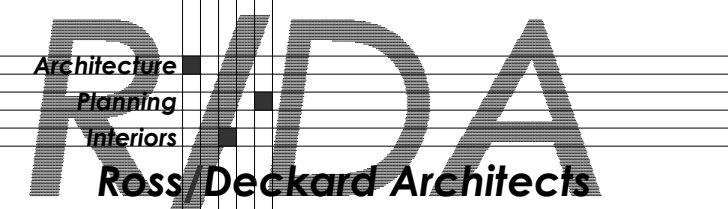
DATE: APRIL 8, 2021
ISSUED FOR: Permit

SET # **SP100**

SHEET: STRUCTURAL DETAILS

S7

SHEET 21 of 23 TOTAL SHEETS IN SET: DRAWN BY: RJA CHECKED BY: TD



BINDING STRIP - INFORMATION PRINTED HERE WILL NOT BE VISIBLE

BINDING STRIP - INFORMATION PRINTED HERE WILL NOT BE VISIBLE

BINDING STRIP - INFORMATION PRINTED HERE WILL NOT BE VISIBLE

STRUCTURAL DESIGN DATA SHEET:

RISK CATEGORY: II
IMPORTANCE FACTORS: I seismic 1.00, I snow 1.00
LIVE LOADS: ROOF 20 psf, RESIDENCE 40 psf, BREEZEWAY/STAIR 100 psf
SNOW LOAD: Pg 10 psf
WIND LOAD: Basic Wind Speed 117 MPH, Exposure Category B
SEISMIC LOAD: Spectral Response Ss 0.181, S1 0.085, Seismic Design Category C, Seismic Site Class D - Stiff Soil (Default), Structural System Light framed walls sheathed w/ OSB, R-Factor 6.5, Analysis Procedure Equivalent Lateral Force
LATERAL DESIGN CONTROL: X-Direction Wind, Y-Direction Wind
SOIL BEARING PROPERTIES: 2,500 psf

SCHEDULE OF SPECIAL INSPECTIONS:

Project Name: The Grove
Construction divisions which require inspections for this project are as follows:

Table with 4 columns: INSPECTION TASK, CONTINUOUS (C) OR PERIODIC (P) INSPECTIONS, SPECIAL INSPECTIONS FIRM, NOTES & SCOPE. Rows include 1. VERIFICATION OF SOILS (Table 1705.6), 2. REINFORCED CONCRETE (Table 1705.3), and 4. RETAINING WALLS (Table 1704.12).

STATEMENT OF SPECIAL INSPECTIONS:

Project Name: The Grove
Building Permit Number:
Project Address:
Structural Engineer of Record (SEOR): M. Gabriel Hauser, PE.

The following information is being submitted in accordance with the Special Inspection provisions of the International Building Code. Attached is the Schedule of Special Inspections (SSI) required for this project.

The Special Inspection program outlined herein does not relieve the Contractor or any other entity of contractual duties, including quality control, quality assurance or safety. The contractor is solely responsible for construction means, methods and job site safety.

Respectfully submitted,
The Structural Engineer of Record

Theodore A. Defers, PE

Signature: [Signature] Date: 4/8/21

REINFORCED CONCRETE:

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE." (ACI 318, 14)
2. REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60)
3. THE COMPRESSIVE STRENGTH AT 28 DAYS OF ALL CAST IN PLACE CONCRETE SHALL BE 3000 P.S.I. KEEP COPY OF CONC. TEST REPORTS ON SITE AT ALL TIMES.
4. LAP SPLICES FOR #5 REINFORCING BARS SHALL BE 24" MIN., U.N.O.
5. CLEAR CONCRETE COVER FOR REINFORCING STEEL: MASONRY WALLS: LOCATE IN CENTER OF WALL (U.N.O.) FOOTINGS: 2" FORMED EDGES 3" CAST AGAINST GROUND SLAB ON GRADE: MID-HEIGHT OF SLAB
6. THE LONGITUDINAL REINFORCING STEEL IN WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. SEE TYPICAL DETAILS.
7. ALL CONCRETE SHALL BE VIBRATED BY MECHANICAL VIBRATORS.

STRUCTURAL STEEL:

- 1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE A.I.S.C. "STEEL CONSTRUCTION MANUAL" 360-10.
2. STRUCTURAL STEEL ANGLES AND SHALL BE ASTM A36 STEEL.
3. ANCHOR BOLTS SHALL BE ASTM F1554 HEADED BOLTS. MINIMUM ANCHOR BOLT EMBEDMENT LENGTH SHALL BE 12 BOLT DIAMETERS U.N.O. CLEAN ANCHOR BOLTS OF ALL GREASE, DIRT, ETC., BEFORE INSTALLATION.
4. PAINT ALL STRUCTURAL STEEL BRICK LINTELS.

WOOD TRUSSES:

- 1. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS INDICATED IN THE DESIGN INFORMATION SECTION.
2. IN ADDITION TO THE UNIFORM LOADING SPECIFIED FOR TRUSS DESIGN, THE TRUSS SUPPLIER SHALL INCLUDE ANY CONCENTRATED LOADS CAUSED BY ARCHITECTURAL FEATURES OR M. P&E EQUIPMENT OR MATERIALS AND BY SPRINKLER LOADS IN THE TRUSS DESIGN.
3. TRUSSES SHALL BE DESIGNED BY A REGISTERED ENGINEER IN THE STATE OF NORTH CAROLINA AND SHOP DRAWINGS BEARING THE ENGINEER'S SEAL SHALL BE SUBMITTED FOR APPROVAL.
4. TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE TRUSS PLATE INSTITUTE TPI 1-2014.
5. LIMIT LL DEFLECTION TO L/360. LIMIT TL DEFLECTION TO L/240 OR 1" MAX.

DESIGN INFORMATION:

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE NORTH CAROLINA BUILDING CODE 2018 EDITION AND ASCE 7-10.
2. DESIGN LOADS: DEAD AND LIVE LOADS
ROOF LOADS: TOP CHORD DEAD 15 psf, BOTTOM CHORD DEAD 5 psf, TOP CHORD LIVE 20 psf, BOTTOM CHORD LIVE 10 psf (WITHOUT ATTIC STORAGE), CATWALK 40 psf
RESIDENCE FLOOR LOADS: TOP CHORD DEAD 17 psf, BOTTOM CHORD DEAD 8 psf, TOP CHORD LIVE 40 psf, BOTTOM CHORD LIVE N/A
BREEZEWAY AND STAIR LANDING: TOP CHORD DEAD 27 psf, BOTTOM CHORD DEAD 8 psf, TOP CHORD LIVE 100 psf, BOTTOM CHORD LIVE N/A
RISK CATEGORY II
IMPORTANCE FACTORS: I seismic 1.0, I snow 1.0
GROUND SNOW LOAD (pg) 15 psf
DESIGN WIND SPEED 117 mph
SEISMIC DESIGN PARAMETERS: S1 8.5 %g, S2 18.1 %g, SITE CLASS D (ASSUMED), SEISMIC DESIGN CATEGORY C, R 6.5
3. ADDITIONAL LIVE LOADS PRESCRIBED IN ASCE7-10 RELATED TO ROOF ATTICS AND ROOF TRUSSES, INCLUDING LIMITED ACCESS STORAGE IN ATTICS SHALL APPLY TO PRE-FABRICATED TRUSSES, AND SHALL BE CLEARLY IDENTIFIED ON THE TRUSS SHOP DRAWINGS.
4. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. FOR LOCATION OF MISCELLANEOUS ITEMS (SUCH AS INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
6. THIS PROJECT CONTAINS A SERIES OF DETAILS CONSIDERED "TYPICAL DETAILS". THESE SHALL APPLY AT ALL SITUATIONS THAT ARE THE SAME OR SIMILAR AS THESE DETAILS. THESE "TYPICAL DETAILS" SHALL APPLY WHETHER OR NOT THEY ARE INDICATED OR CUT AT EACH LOCATION.
7. VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE WORKED WITH ARCHITECTURAL DRAWINGS.
8. USE OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS ACCORDINGLY PRIOR TO SUBMITTING TO THE ENGINEER. THE OMISSION OF ITEMS FROM SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY OF FURNISHING AND INSTALLING ITEMS REGARDLESS OF WHETHER SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.

WOOD FRAMING (NOT INCLUDING PRE-FABRICATED TRUSSES):

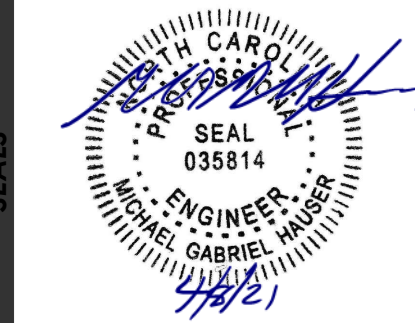
- 1. ALL WOOD CONSTRUCTION SHALL CONFORM TO THE 2018 NORTH CAROLINA BUILDING CODE AND TO THE 2015 NDS.
2. ALL NAILING (UNLESS NOTED OTHERWISE) SHALL CONFORM TO THE 2018 NORTH CAROLINA BUILDING CODE CHAPTER 23 SECTION 10.1
3. ALL STUDS, TOP PLATES AND SILL PLATES WALLS SHALL BE SPF NO. 2 OR BETTER. OR SYP No. 2 OR BETTER.
4. ALL 2x NOMINAL HEADERS SHALL BE SPF NO. 2 OR BETTER OR SYP NO. 2 OR BETTER.
5. ALL EXPOSED LUMBER SHALL BE PRESERVATIVE TREATED.
6. FINGER JOINTED STUDS MAY BE USED IN INTERIOR APPLICATIONS PROVIDED THE STRUCTURAL PROPERTIES EQUAL OR EXCEED THAT OF THE SOLID SAWN LUMBER. FINGER JOINTED LUMBER SHALL NOT BE USED IN EXPOSED CONDITIONS.
7. ALL CONNECTIONS IN EXPOSED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
8. ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED.
9. ALL MANUFACTURED LAMINATED VENEER LUMBER (LVL) SHALL HAVE A MODULUS OF ELASTICITY OF 2E6 psi AND A MINIMUM BENDING STRENGTH OF 2800 psi.
10. UNDER NO CIRCUMSTANCE SHALL LAMINATED VENEER LUMBER BE USED IN AN EXPOSED CONDITION, WHERE MANUFACTURER LUMBER IS REQUIRED IN AN EXPOSED CONDITION THE CONTRACTOR MUST USED PRESERVATIVE TREATED GLU-LAMINATED LUMBER (GLBL).
11. ALL GLU-LAMINATED LUMBER SHALL BE GRADED ACCORDING TO THE PLANS. IF NO GRADE IS SPECIFIED A MINIMUM GADE OF 4VF2400 SHALL BE USED.

FOUNDATION NOTES:

- 1. FOUNDATION DESIGN IS BASED UPON A SOIL BEARING VALUE OF 2500 PSF.
2. THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE BUILDING LIMITS BY A REGISTERED GEO-TECHNICAL ENGINEER WHEN FOUNDATION EXCAVATIONS HAVE BEEN CARRIED DOWN TO THE PROPOSED ELEVATIONS. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE BELOW THE FROST LINE OR 16" BELOW GRADE, WHICH EVER IS GREATER. (U.N.O.)
4. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3" THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED OR CLEAN GRAVEL SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.
5. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.

CONCRETE MASONRY:

- 1. CONCRETE MASONRY SHALL CONFORM TO THE NATIONAL CONCRETE MASONRY ASSOCIATION SPECIFICATIONS, AND HAVE A DENSITY OF 125 P.C.F. AND SHALL HAVE A MINIMUM PRISM STRENGTH (Fm) OF 1500 P.S.I.
2. GROUT FOR FILLING CONCRETE MASONRY CELLS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR "GROUT FOR MASONRY", ASTM C-476-02, AND SHALL HAVE A COMPRESSIVE PRISM STRENGTH (Fm) OF 3000 P.S.I. AT 28 DAYS. THE SLUMP SHALL BE BETWEEN 9" AND 11". WHERE THE MINIMUM DIMENSION OF ANY CONTINUOUS VERTICAL CELL IS 3" OR LESS, USE FINE GROUT, OTHERWISE USE COARSE (PEA GRAVEL) GROUT.
3. MORTAR FOR CONCRETE MASONRY SHALL BE TYPE "S" AND SHALL CONFORM TO ASTM C-270-12A.
4. GROUT PROCEDURES AND REBAR INSTALLATION SHALL PER ASTM ACI 530 1-99. PROVIDE 3/6" LAP SPLICES IN REBAR IN 12" CMU FIRE WALL.



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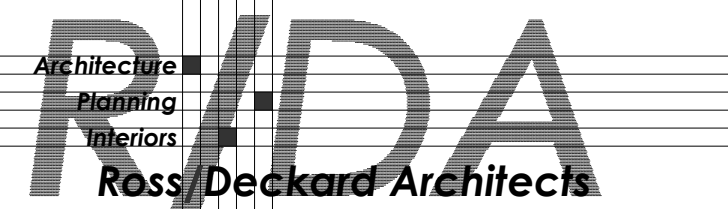
The Grove

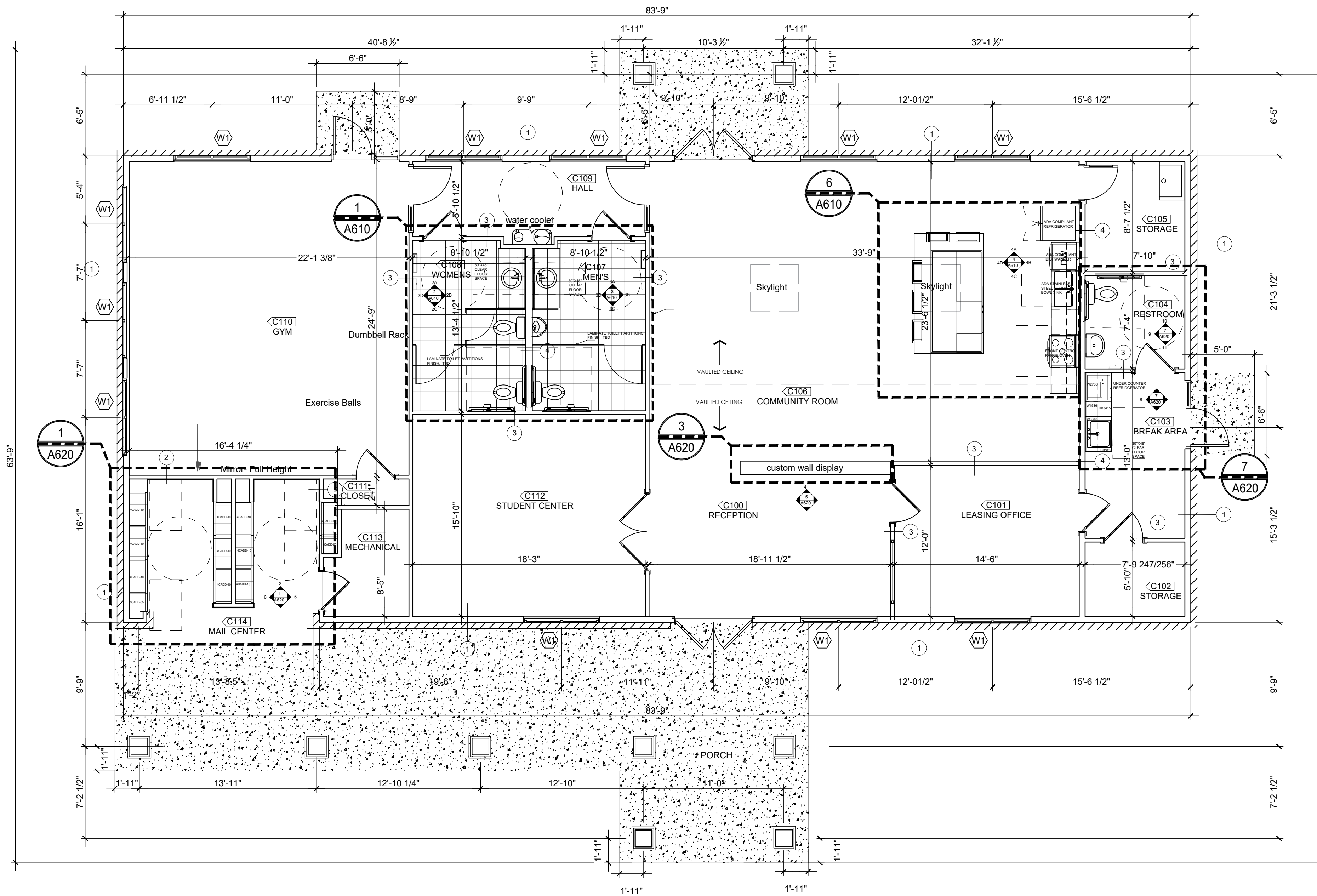
SP100

STRUCTURAL NOTES

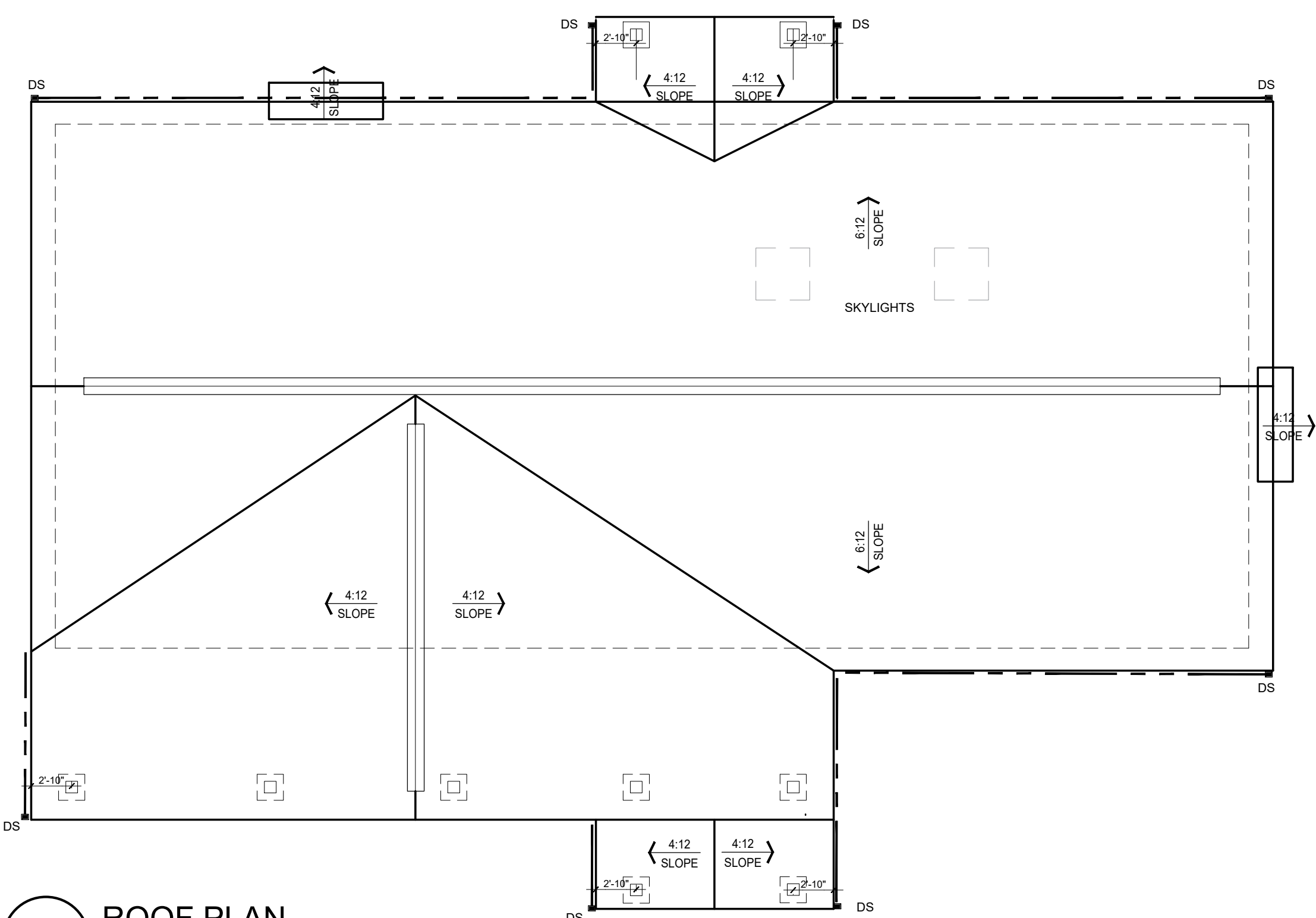
S9

SHEET 23 of 23 TOTAL SHEETS IN SET: DRAWN BY: RJA CHECKED BY: TD





1 FLOOR PLAN
SCALE: 3/16"=1'-0"



2 ROOF PLAN
SCALE: 1/8"=1'-0"

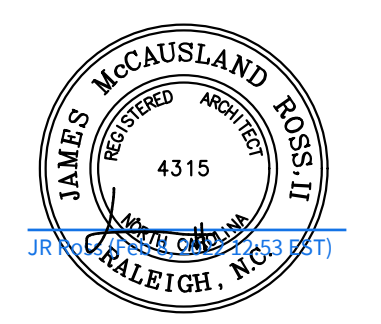
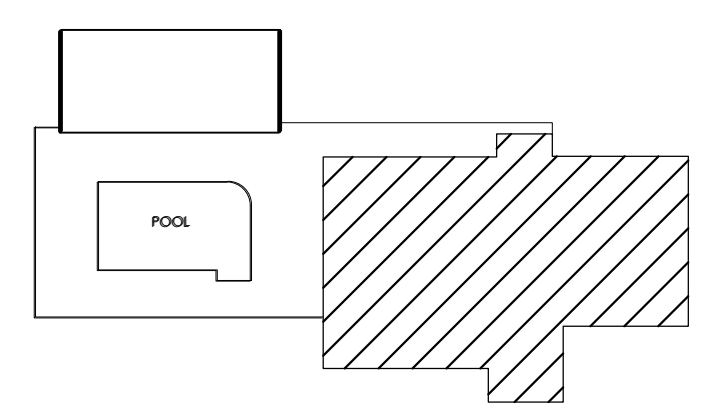
WALL TYPE LEGEND

- ① MARK EXTERIOR WALL - 5/8" GWB (MOISTURE AND MOLD RESISTANT ON BATHROOM SIDE) - 2x6 STUDS WITH BATT INSULATION AND INSULATION AT FOOTING - 7/16" EXTERIOR SHEATHING - CEMENTITIOUS SIDING - BRICK VENEER
- ② MARK EXTERIOR WALL - 5/8" GWB (MOISTURE AND MOLD RESISTANT ON BATHROOM SIDE) - 2x6 STUDS WITH BATT INSULATION AND INSULATION AT FOOTING - 7/16" EXTERIOR SHEATHING - FIBER CEMENT SIDING
- ③ MARK INTERIOR PARTITION TO CEILING ABOVE - 5/8" GYPSUM WALL BOARD ON BOTH SIDES (MOISTURE AND MOLD RESISTANT IN TOILET AND LAUNDRY ROOM SIDE AND WET WALL IN KITCHEN) - 2x6 STUDS
- ④ MARK INTERIOR PARTITION TO CEILING ABOVE - 5/8" GYPSUM WALL BOARD ON BOTH SIDES (MOISTURE AND MOLD RESISTANT ON BATHROOM/KITCHEN SIDE) - 2x6 STUDS

COMMUNITY BUILDING NOTES

- ① SINGLE HUNG INSULATED DOUBLE PANE GLASS VINYL WINDOWS WITH INTEGRAL MULLIONS ON UPPER SASH. NC ENERGY CODE COMPLIANCE REQUIRED.
- ② FIXED GLASS SKYLIGHT. NC ENERGY CODE COMPLIANCE REQUIRED.
- ③ ALUMINUM GUTTER/DOWNSPOUT SYSTEM. REFER TO ROOF PLAN FOR LOCATIONS.
- ④ ROOF RIDGE VENT TYPICAL. REFER TO ROOF PLAN FOR LOCATIONS.
- ⑤ FIBERGLASS EXTERIOR ENTRY DOORS 3 VIEW 2-PANEL NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 72" (PAIR) x 1/3/4" T. PRIMED. COLOR: SHERWIN WILLIAMS SW7703 EARTHEN JUG (TBD). ACCESSIBLE HARDWARE. FINISH: AGED BRONZE (TBD)
- ⑥ ALUMINUM EXTERIOR FULL VISION ENTRY DOOR W/SIDELIGHT NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 36" W DOOR. 15"W SIDELIGHT FINISH: TBD. ACCESSIBLE HARDWARE.
- ⑦ EACH EXTERIOR ENTRANCE SHALL BE FULLY ACCESSIBLE PER APPLICABLE CODES. 1/2" MAX. THRESHOLD HEIGHT OF THE ENTRANCE DOOR.
- ⑧ TRIM BOARDS TO BE WRAPPED WITH PVC COATED ALUMINUM (TYPICAL)
- ⑨ DECORATIVE GABLE VENT.
- ⑩ MAIL KIOSK AREA. SEE DRAWING XXX FOR POSTAL BOX DETAIL AND CONFIGURATION.
- ⑪ ALL DESK LOCATIONS TO HAVE BOTH CAT 5 WIRING FOR DATA OUTLET AND CABLE TV OUTLET FOR INTERNET SERVICE
- ⑫ PROVIDE A SURFACE MOUNTED 5 LB. ABC TYPE FIRE EXTINGUISHER. REVIEW LOCATION W/FIRE MARSHALL PRIOR TO INSTALLATION.
- ⑬ SEE CIVIL DRAWING FOR THE EXTENT OF CONCRETE WALK AND CONCRETE DECK/PATIO.

KEYPLAN



SEALS

CONSULTANTS

HATCHER CREEK, LLC
COMM BLDG & POOL HOUSE @ THE GROVES AT 421
LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

ASB 2 01-25-2022

DATE

August 30, 2021
ISSUED FOR: Construction Permit

SET#

SP100

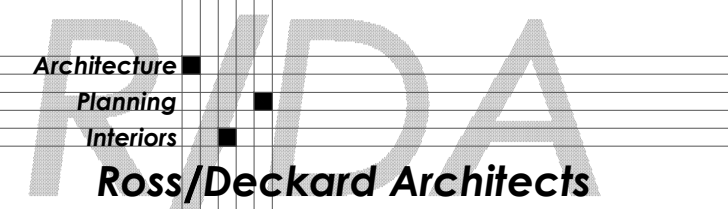
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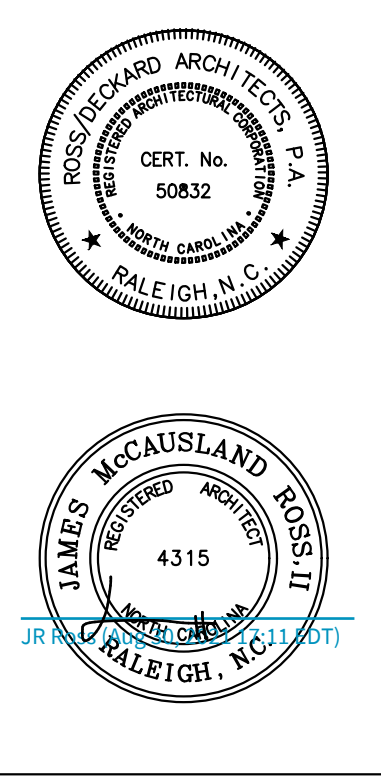
FLOOR PLAN- COMMUNITY BUILDING

#

A110

DRAWN BY: CHECKED BY:





SEALS

CONSULTANTS

HATCHER CREEK, LLC

PROJECT
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

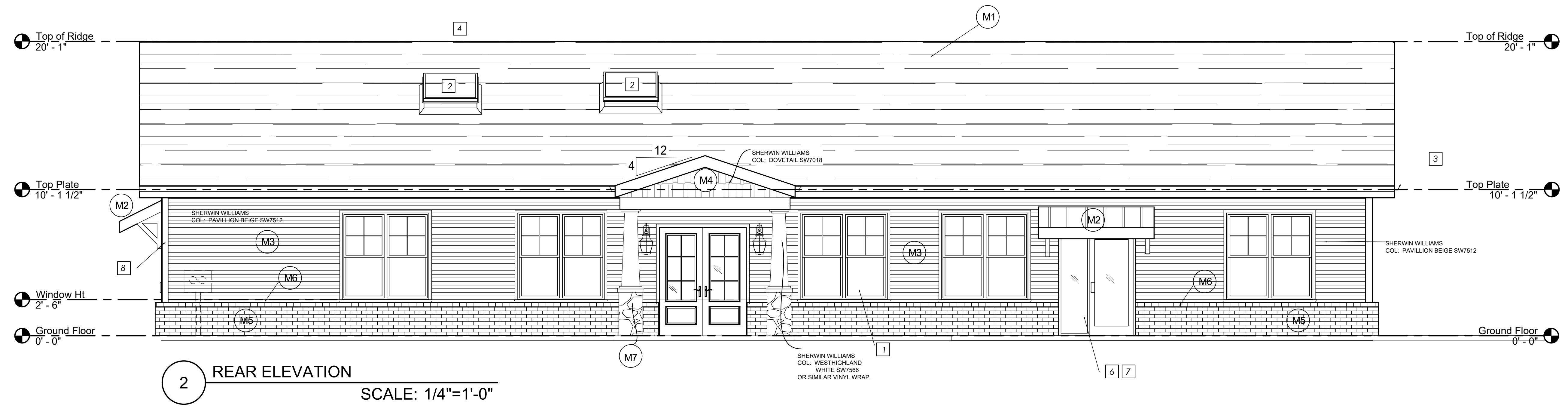
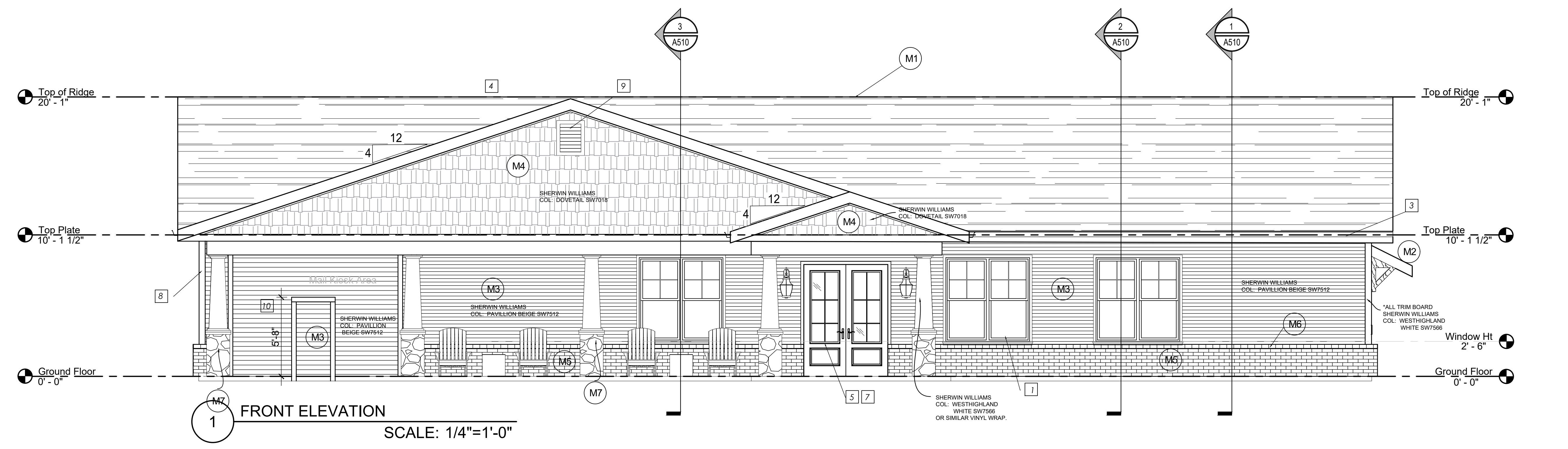
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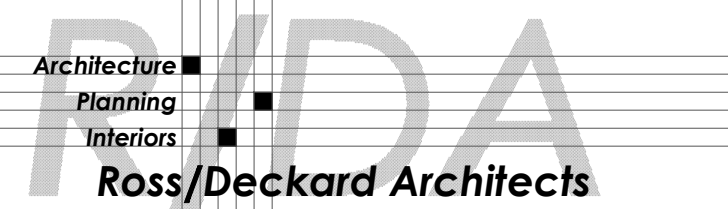
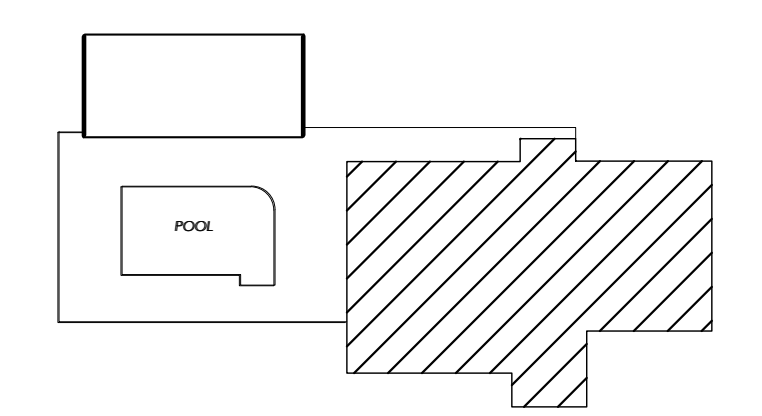
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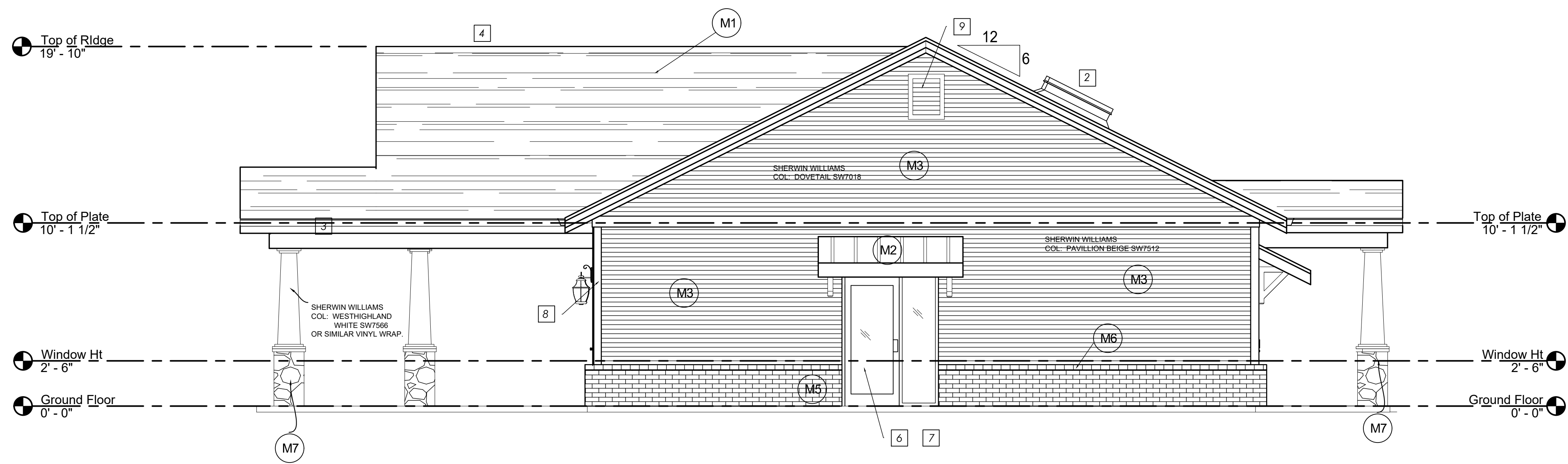
- MARK (M1) ROOF
30 YEAR ARCHITECTURAL, DIMENSIONAL ANTI-FUNGAL ASPHALT SHINGLES, ON ONE LAYER OF 15# BUILDING FELT ON 7/16" OSB
TYP.
FINISH: PEWTER
- MARK (M2) ROOF
SEAMLESS METAL ROOF
FINISH: BRONZE
- MARK (M3) FIBER CEMENT SIDING
HORIZONTAL LAP SIDING - FIBER CEMENT BOARD PRIMED FOR PAINT
COLOR: TBD
- MARK (M4) FIBER CEMENT SHAKES
STAGGERED- FIBER CEMENT BOARD
PRIMED FOR PAINT
- MARK (M5) BRICK- QUEEN SIZE
TRIANGLE BRICK COMPANY
PAT: SOUTHAMPTON
- MARK (M6) BRICK ROW LOCK COURSE
TRIANGLE BRICK COMPANY
PAT: FORT MILL
- MARK (M7) STONE
CAROLINA STONE
WOLF CREEK SOUTHERN LEDGESTONE

COMMUNITY BUILDING NOTES

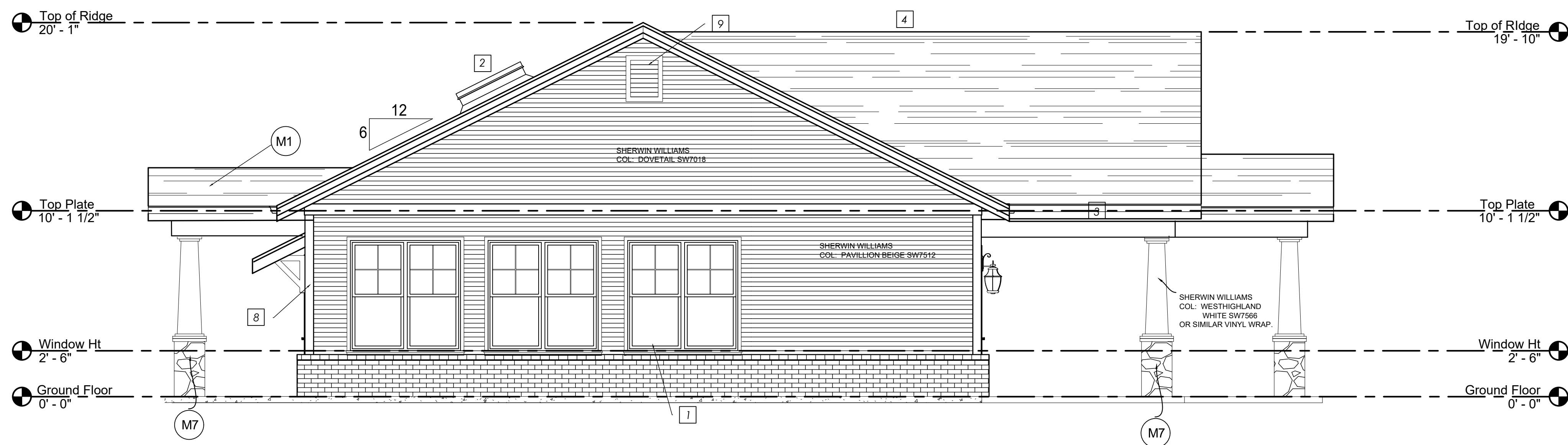
- 1 SINGLE HUNG INSULATED DOUBLE PANE GLASS VINYL WINDOWS WITH INTEGRAL MULLIONS ON UPPER SASH. NC ENERGY CODE COMPLIANCE REQUIRED.
- 2 FIXED GLASS SKYLIGHT. NC ENERGY CODE COMPLIANCE REQUIRED.
- 3 ALUMINUM GUTTER/DOWNSPOUT SYSTEM. REFER TO ROOF PLAN FOR LOCATIONS.
- 4 ROOF RIDGE VENT TYPICAL. REFER TO ROOF PLAN FOR LOCATIONS.
- 5 FIBERGLASS EXTERIOR ENTRY DOORS 1/2 VIEW 2-PANEL NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 72" (PAIR) x 1 1/3 1/4" T. PRIMED. COLOR: SHERWIN WILLIAMS SW7703 EARTHEN JUG (TBD) ACCESSIBLE HARDWARE. FINISH: AGED BRONZE (TBD)
- 6 ALUMINUM EXTERIOR FULL VISION ENTRY DOOR W/SIDE LIGHT NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 36" W DOOR. 15" W SIDE LIGHT FINISH: TBD ACCESSIBLE HARDWARE.
- 7 EACH EXTERIOR ENTRANCE SHALL BE FULLY ACCESSIBLE PER APPLICABLE CODES. 1/2" MAX. THRESHOLD HEIGHT OF THE ENTRANCE DOOR.
- 8 TRIM BOARDS TO BE WRAPPED WITH PVC COATED ALUMINUM (TYPICAL)
- 9 DECORATIVE GABLE VENT.
- 10 MAIL KIOSK AREA. SEE DRAWING XXX FOR POSTAL BOX DETAIL AND CONFIGURATION.

KEYPLAN



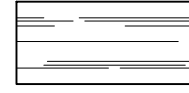
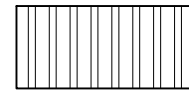
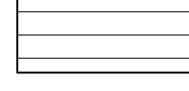
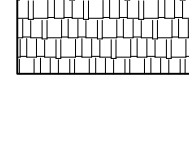
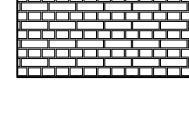
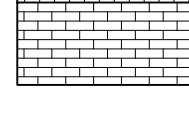



1 ELEVATION- OFFICE SIDE
SCALE: 1/4"=1'-0"



2 ELEVATION- GYM SIDE
SCALE: 1/4"=1'-0"

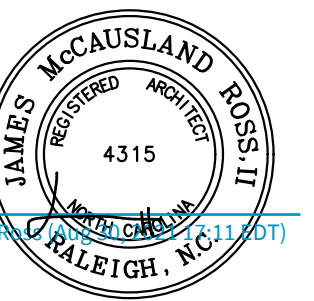
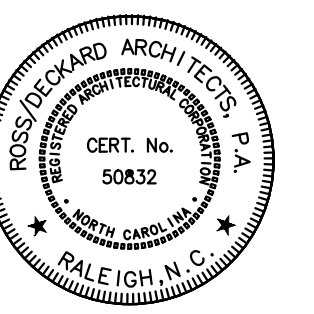
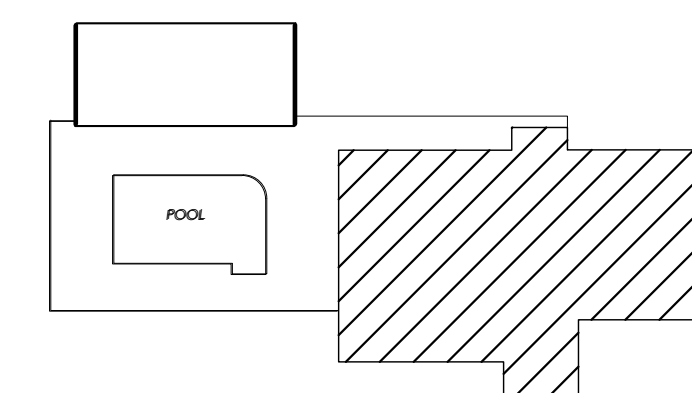
ELEVATION KEY

-  MARK (M1) ROOF
30 YEAR ARCHITECTURAL, DIMENSIONAL ANTI-FUNGAL ASPHALT SHINGLES, ON ONE LAYER OF 15# BUILDING FELT ON 7/16" OSB TYP.
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COLOR: TBD
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TRIANGLE BRICK COMPANY
PAT: FORT MILL
-  MARK (M7) STONE
CAROLINA STONE
WOLF CREEK SOUTHERN LEDGESTONE

COMMUNITY BUILDING NOTES

- 1 SINGLE HUNG INSULATED DOUBLE PANE GLASS VINYL WINDOWS WITH INTEGRAL MULLIONS ON UPPER SASH. NC ENERGY CODE COMPLIANCE REQUIRED.
- 2 FIXED GLASS SKYLIGHT. NC ENERGY CODE COMPLIANCE REQUIRED.
- 3 ALUMINUM GUTTER/DOWNSPOUT SYSTEM. REFER TO ROOF PLAN FOR LOCATIONS.
- 4 ROOF RIDGE VENT TYPICAL. REFER TO ROOF PLAN FOR LOCATIONS.
- 5 FIBERGLASS EXTERIOR ENTRY DOORS 3/4 VIEW 2-PANEL NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 72" (PAIR) x 1/3/4" T. PRIMED. COLOR: SHERWIN WILLIAMS SW7703 EARTHEN JUG (TBD) ACCESSIBLE HARDWARE. FINISH: AGED BRONZE (TBD)
- 6 ALUMINUM EXTERIOR FULL VISION ENTRY DOOR W/SIDELIGHT NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 36" W DOOR. 15" W SIDELIGHT FINISH: TBD ACCESSIBLE HARDWARE.
- 7 EACH EXTERIOR ENTRANCE SHALL BE FULLY ACCESSIBLE PER APPLICABLE CODES. 1/2" MAX. THRESHOLD HEIGHT OF THE ENTRANCE DOOR.
- 8 TRIM BOARDS TO BE WRAPPED WITH PVC COATED ALUMINUM (TYPICAL)
- 9 DECORATIVE GABLE VENT.
- 10 MAIL KIOSK AREA. SEE DRAWING XXX FOR POSTAL BOX DETAIL AND CONFIGURATION.

KEYPLAN



CONSULTANTS

HATCHER CREEK, LLC

PROJECT
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

DATE

DATE: August 30, 2021
ISSUED FOR: Construction Permit

SET#

SP100

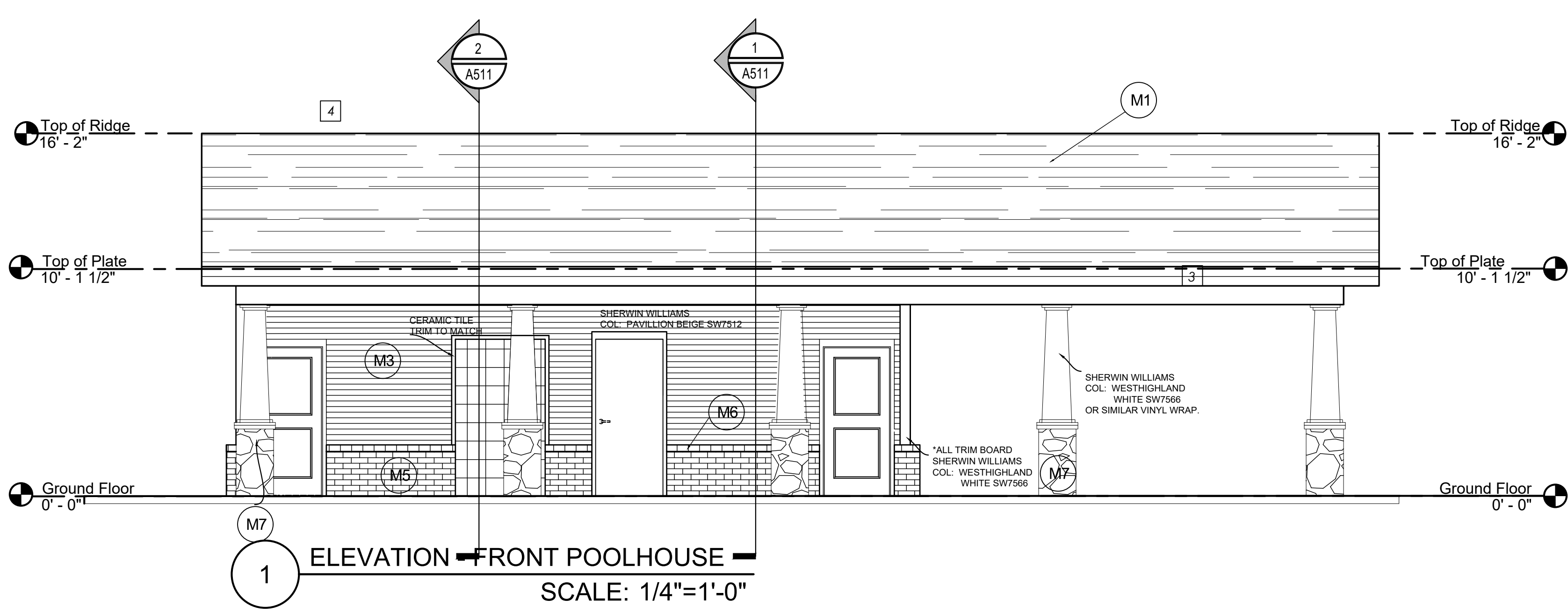
SHEET

ELEVATIONS- COMMUNITY BUILDING

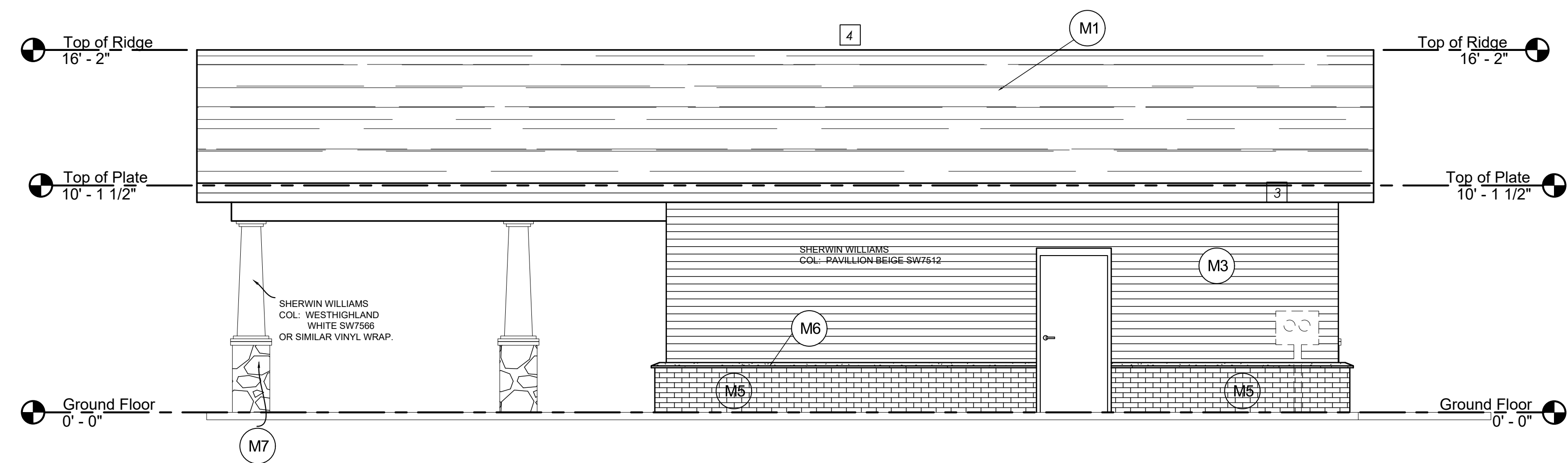
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A320

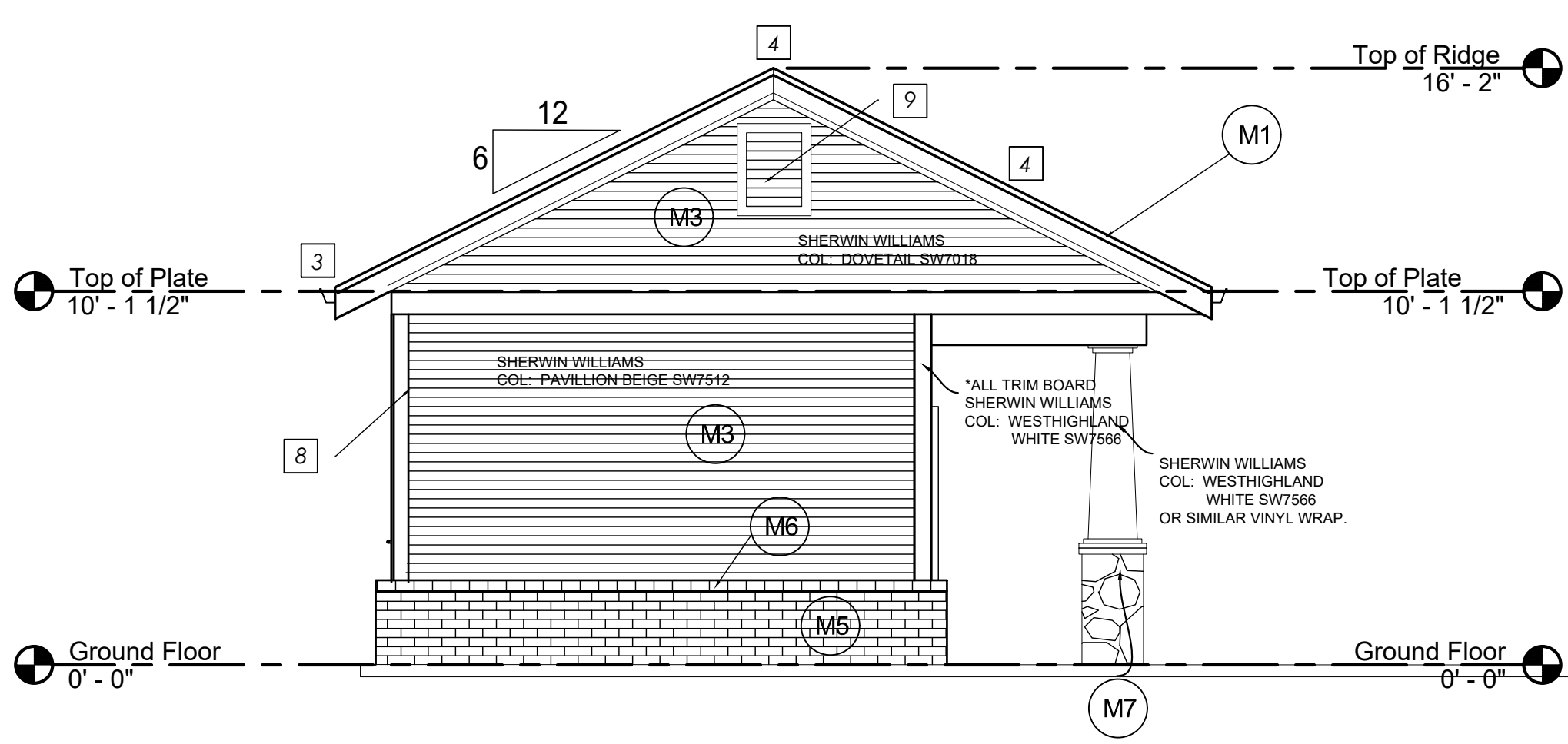
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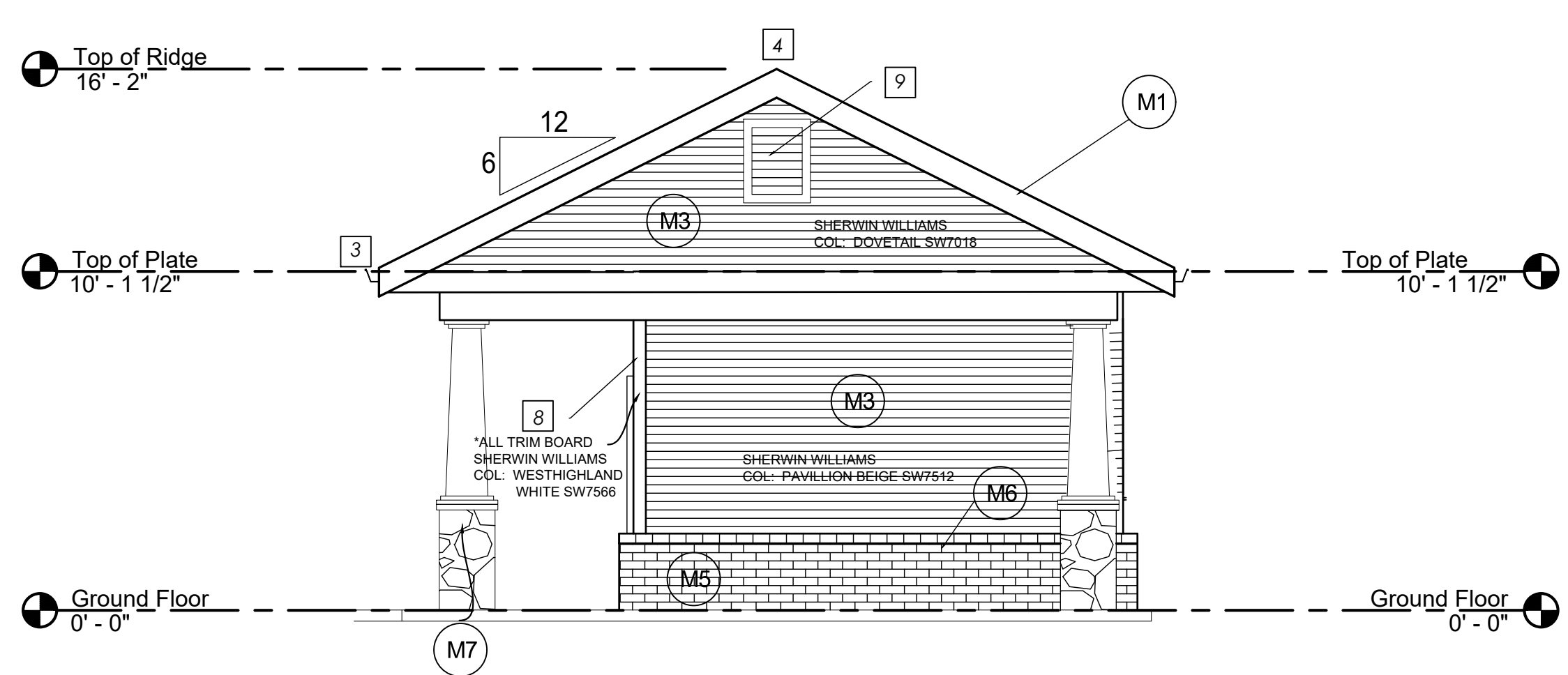
1 ELEVATION - FRONT POOLHOUSE
SCALE: 1/4"=1'-0"



2 ELEVATION-REAR POOLHOUSE
SCALE: 1/4"=1'-0"



3 ELEVATION - GYM SIDE POOLHOUSE
SCALE: 1/4"=1'-0"



4 ELEVATION - GYM SIDE POOLHOUSE
SCALE: 1/4"=1'-0"

ELEVATION KEY

- MARK (M1) ROOF
30 YEAR ARCHITECTURAL, DIMENSIONAL ANTI-FUNGAL ASPHALT SHINGLES, ON ONE LAYER OF 15# BUILDING FELT ON 7/16" OSB TYP.
FINISH: PEWTER
- MARK (M2) ROOF
SEAMLESS METAL ROOF
FINISH: BRONZE
- MARK (M3) FIBER CEMENT SIDING
HORIZONTAL LAP SIDING - FIBER CEMENT BOARD PRIMED FOR PAINT
COLOR: TBD
- MARK (M4) FIBER CEMENT SHAKES
STAGGERED- FIBER CEMENT BOARD PRIMED FOR PAINT
- MARK (M5) BRICK- QUEEN SIZE
TRIANGLE BRICK COMPANY
PAT: SOUTHAMPTON
- MARK (M6) BRICK ROW LOCK COURSE
TRIANGLE BRICK COMPANY
PAT: FORT MILL
- MARK (M7) STONE
CAROLINA STONE
WOLF CREEK SOUTHERN LEDGESTONE

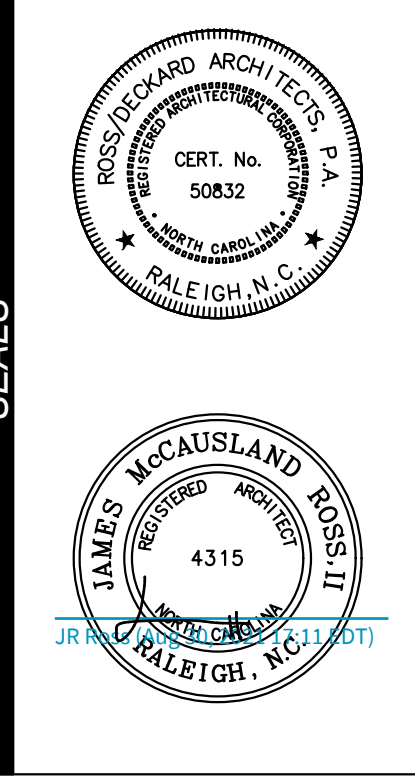
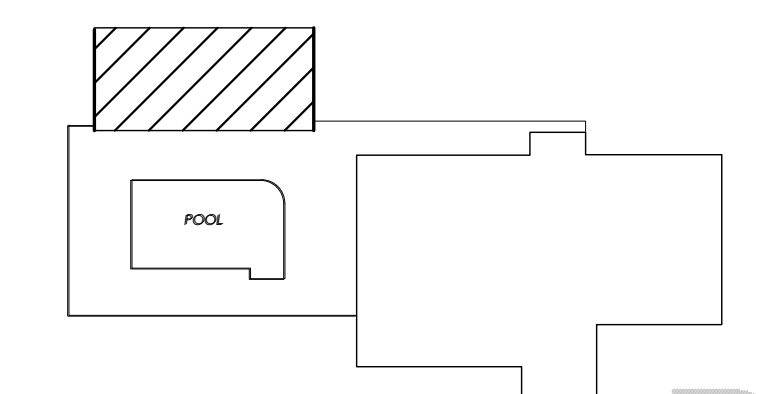
COMMUNITY BUILDING NOT

- 1 SINGLE HUNG INSULATED DOUBLE PANE GLASS VINYL WINDOWS WITH INTEGRAL MULLIONS ON UPPER SASH. NC ENERGY CODE COMPLIANCE REQUIRED.
- 2 FIXED GLASS SKYLIGHT. NC ENERGY CODE COMPLIANCE REQUIRED.
- 3 ALUMINUM GUTTER/DOWNSPOUT SYSTEM. REFER TO ROOF PLAN FOR LOCATIONS.
- 4 ROOF RIDGE VENT TYPICAL. REFER TO ROOF PLAN FOR LOCATIONS.
- 5 FIBERGLASS EXTERIOR ENTRY DOORS 3 VIEW 2-PANEL NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 72" (PAIR) x 1/3/4" T PRIMED. COLOR: SHERWIN WILLIAMS SW7703 EARTHEN JUG (TBD) ACCESSIBLE HARDWARE. FINISH: AGED BRONZE (TBD)
- 6 ALUMINUM EXTERIOR FULL VISION ENTRY DOOR W/SIDE/L NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 36" W DOOR. 15"W SIDELIGHT FINISH: TBD ACCESSIBLE HARDWARE.
- 7 EACH EXTERIOR ENTRANCE SHALL BE FULLY ACCESSIBLE I APPLICABLE CODES. 1/2" MAX. THRESHOLD HEIGHT OF TI ENTRANCE DOOR.
- 8 TRIM BOARDS TO BE WRAPPED WITH PVC COATED ALUMINUM (TYPICAL)
- 9 DECORATIVE GABLE VENT.
- 10 MAIL KIOSK AREA. SEE DRAWING XXX FOR POSTAL BOX DETAIL AND CONFIGURATION.
- 11 ALL DESK LOCATIONS TO HAVE BOTH CAT 5 WIRING FOR DATA OUTLET AND CABLE TV OUTLET FOR INTERNET SERV
- PROVIDE A SURFACE MOUNTED 5 LB. ABC TYPE FIRE

POOL HOUSE NOTES

- 1 ALUMINUM GUTTER/DOWNSPOUT SYSTEM. REFER TO ROOF PLAN FOR LOCATIONS.
- 2 ROOF RIDGE VENT TYPICAL. REFER TO ROOF PLAN FOR LOCATIONS.
- 3 FIBERGLASS EXTERIOR ENTRY DOORS 3 VIEW 2-PANEL NC ENERGY CODE COMPLIANCE REQUIRED. SIZE: 96" H x 72" (PAIR) x 1/3/4" T PRIMED. COLOR: SHERWIN WILLIAMS SW7703 EARTHEN JUG (TBD) ACCESSIBLE HARDWARE. FINISH: AGED BRONZE (TBD)
- 4 EACH EXTERIOR ENTRANCE SHALL BE FULLY ACCESSIBLE PER APPLICABLE CODES. 1/2" MAX. THRESHOLD HEIGHT OF THE ENTRANCE DOOR.
- 5 TRIM BOARDS TO BE WRAPPED WITH PVC COATED ALUMINUM (TYPICAL)
- 6 DECORATIVE GABLE VENT.
- 7 PROVIDE A SURFACE MOUNTED 5 LB. ABC TYPE FIRE EXTINGUISHER. REVIEW LOCATION W/FIRE MARSHALL PRIOR TO INSTALLATION.

KEYPLAN



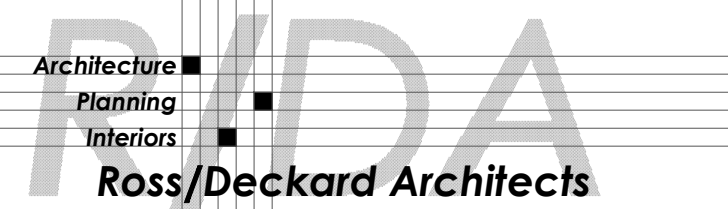
HATCHER CREEK, LLC
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

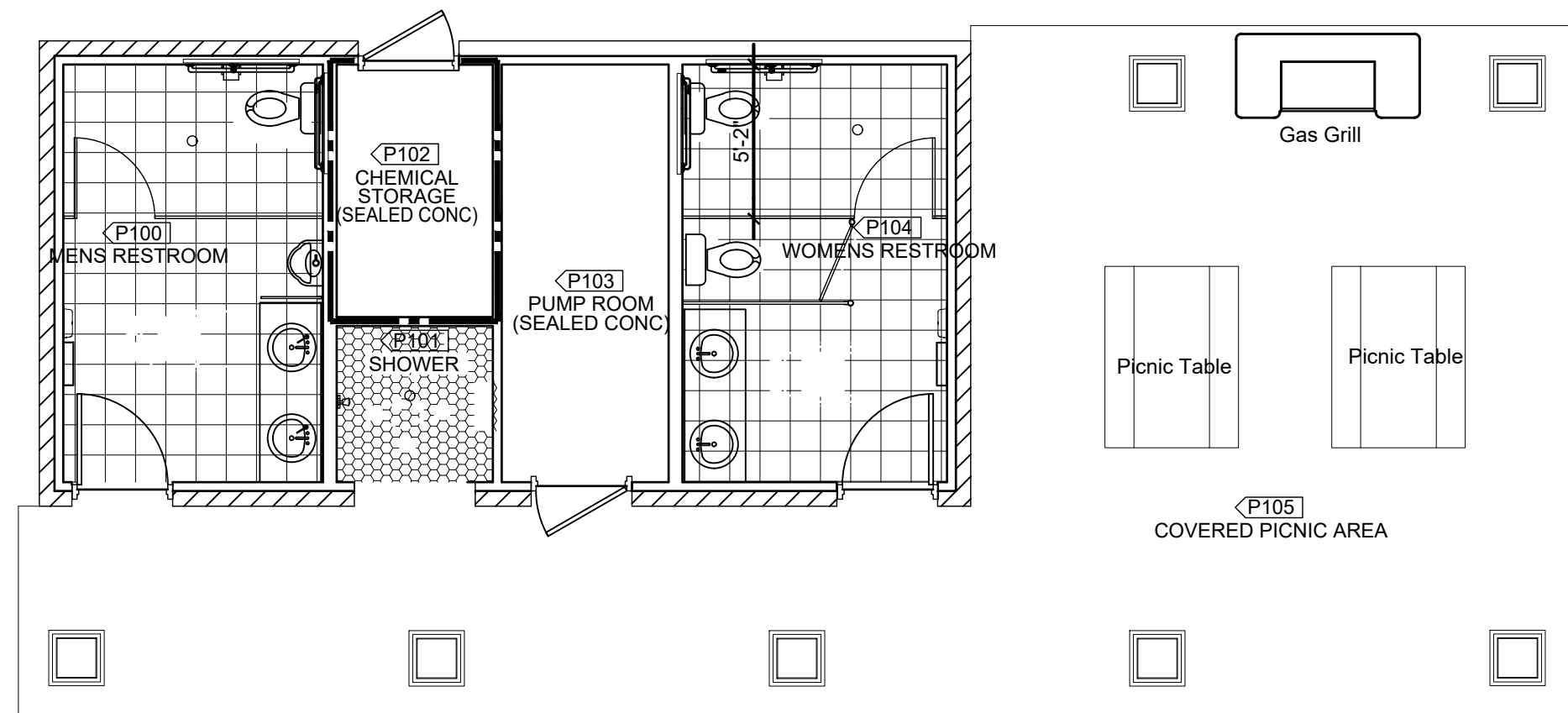
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SP100

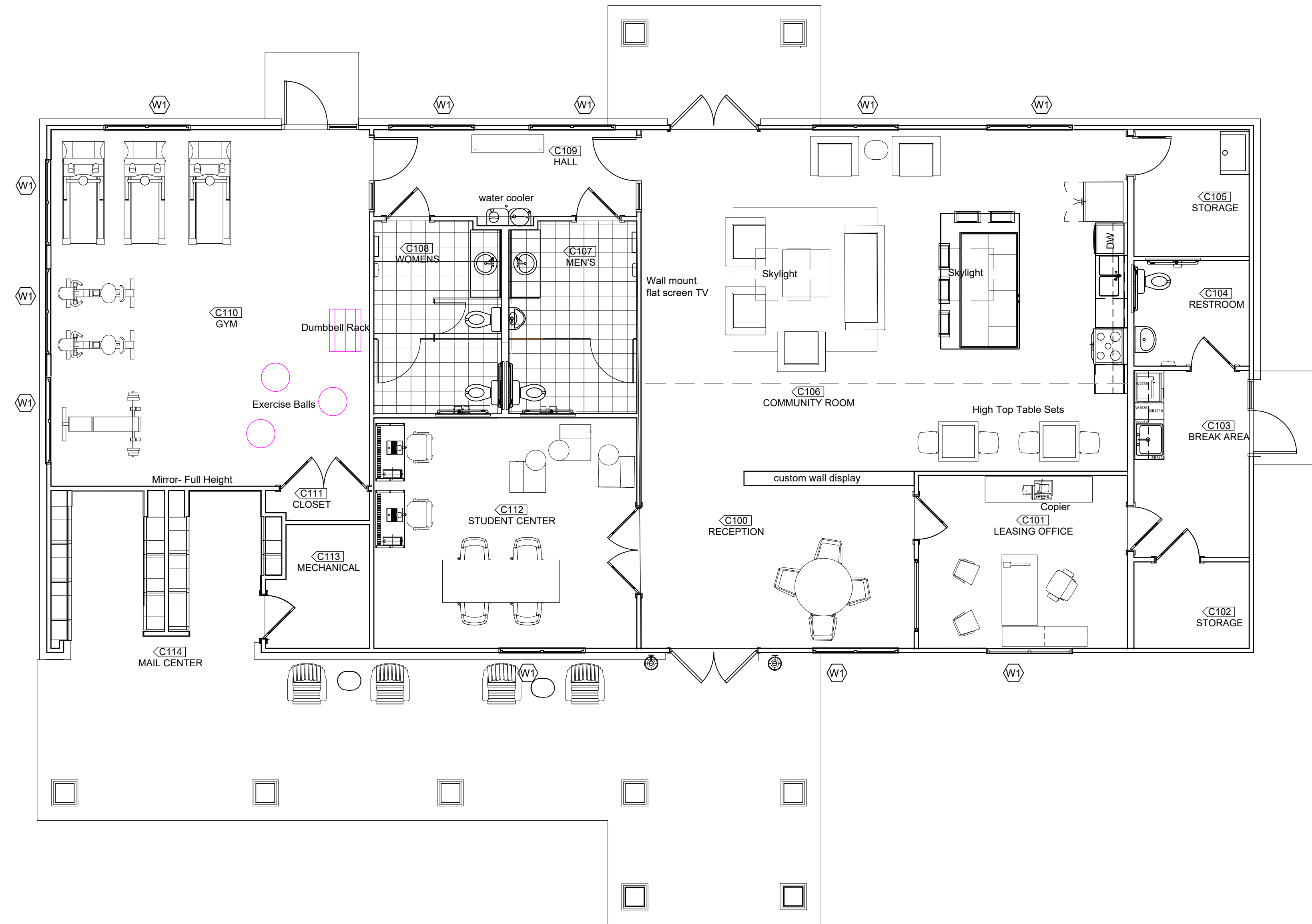
ELEVATION-POOLHOUSE

A330

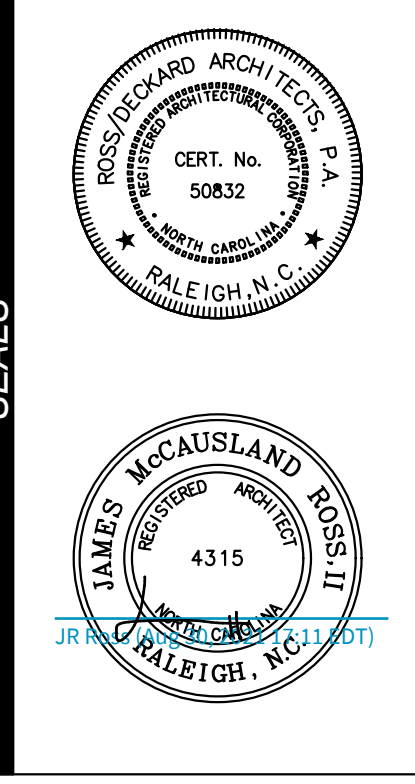




2 FURNITURE/EQUIPMENT PLAN- POOL HOUSE
SCALE: 3/16"=1'-0"



1 FURNITURE/EQUIPMENT PLAN- COMMUNITY BUILDING
SCALE: 3/16"=1'-0"



CONSULTANTS

HATCHER CREEK, LLC
PROJECT
COMM BLDG & POOL HOUSE
@ THE GROVES
AT 421
LILLINGTON,
NORTH CAROLINA

20-530.01

REVISIONS

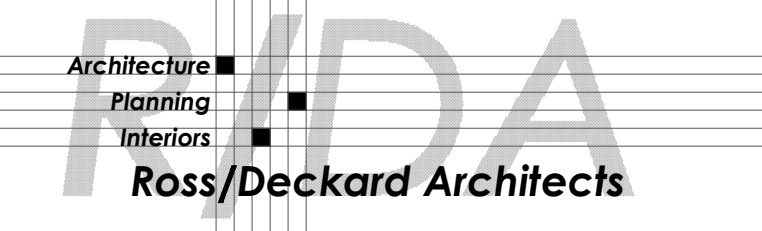
DATE
August 30, 2021
ISSUED FOR: Construction Permit

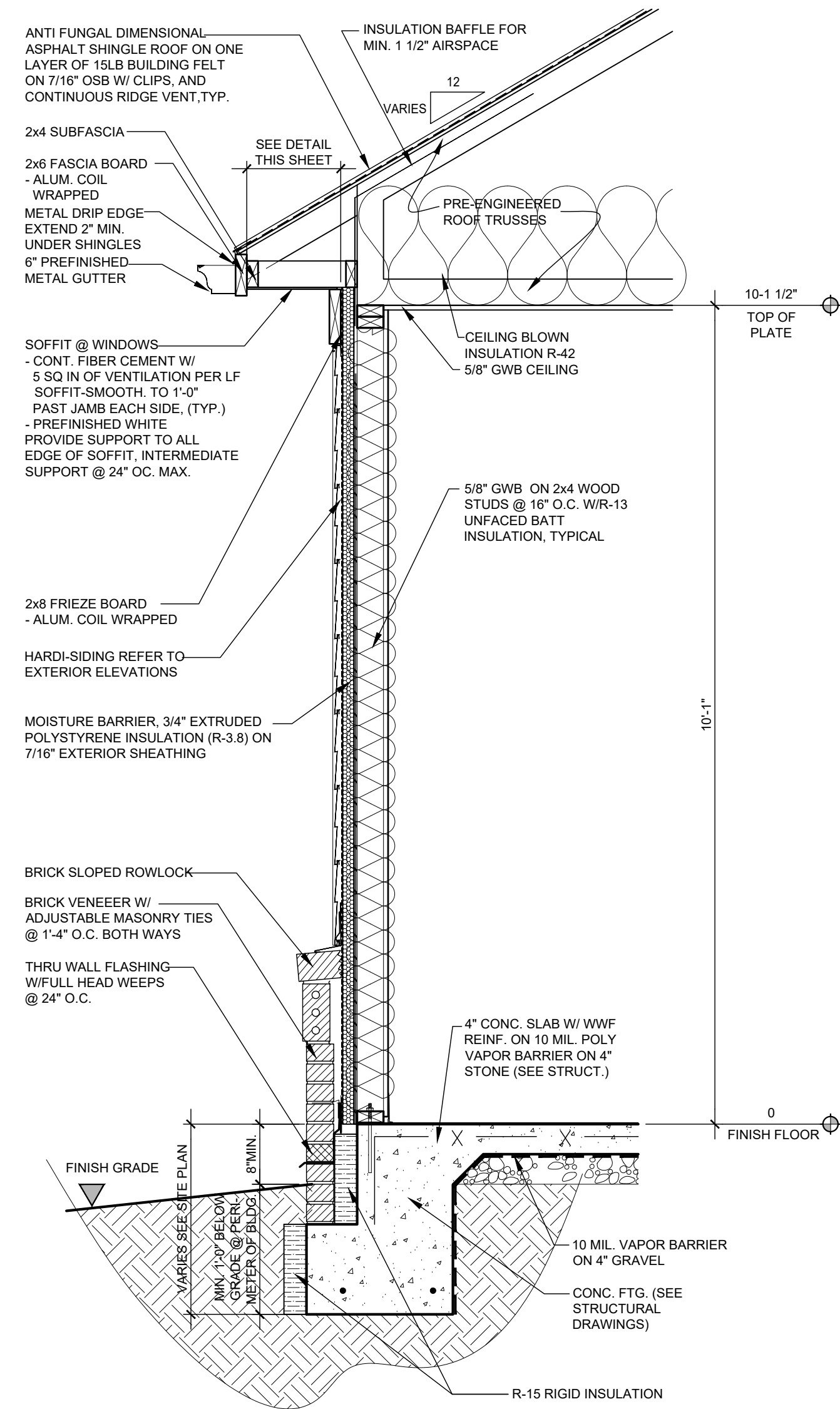
SET# **SP100**

SHEET
FURNITURE
PLAN

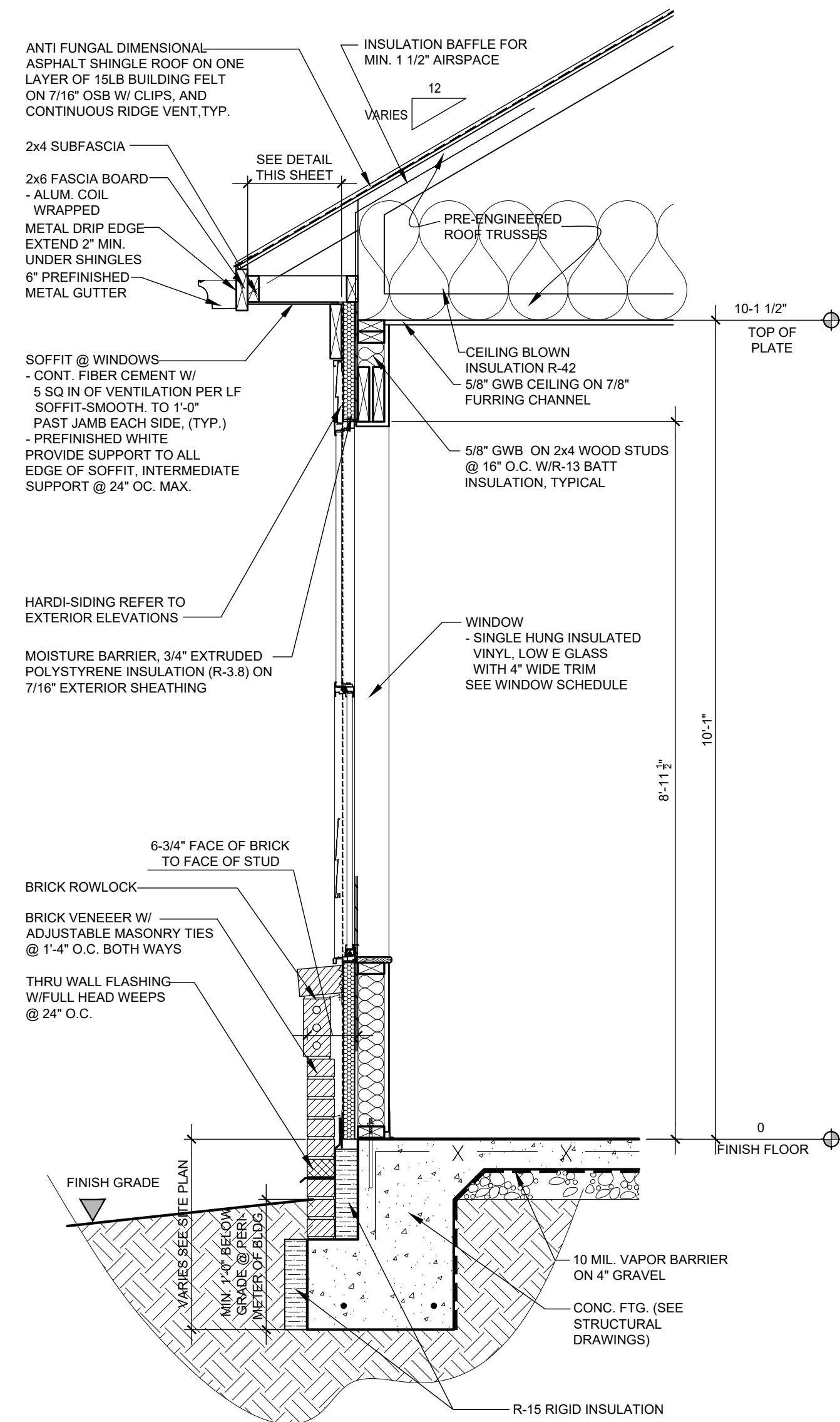
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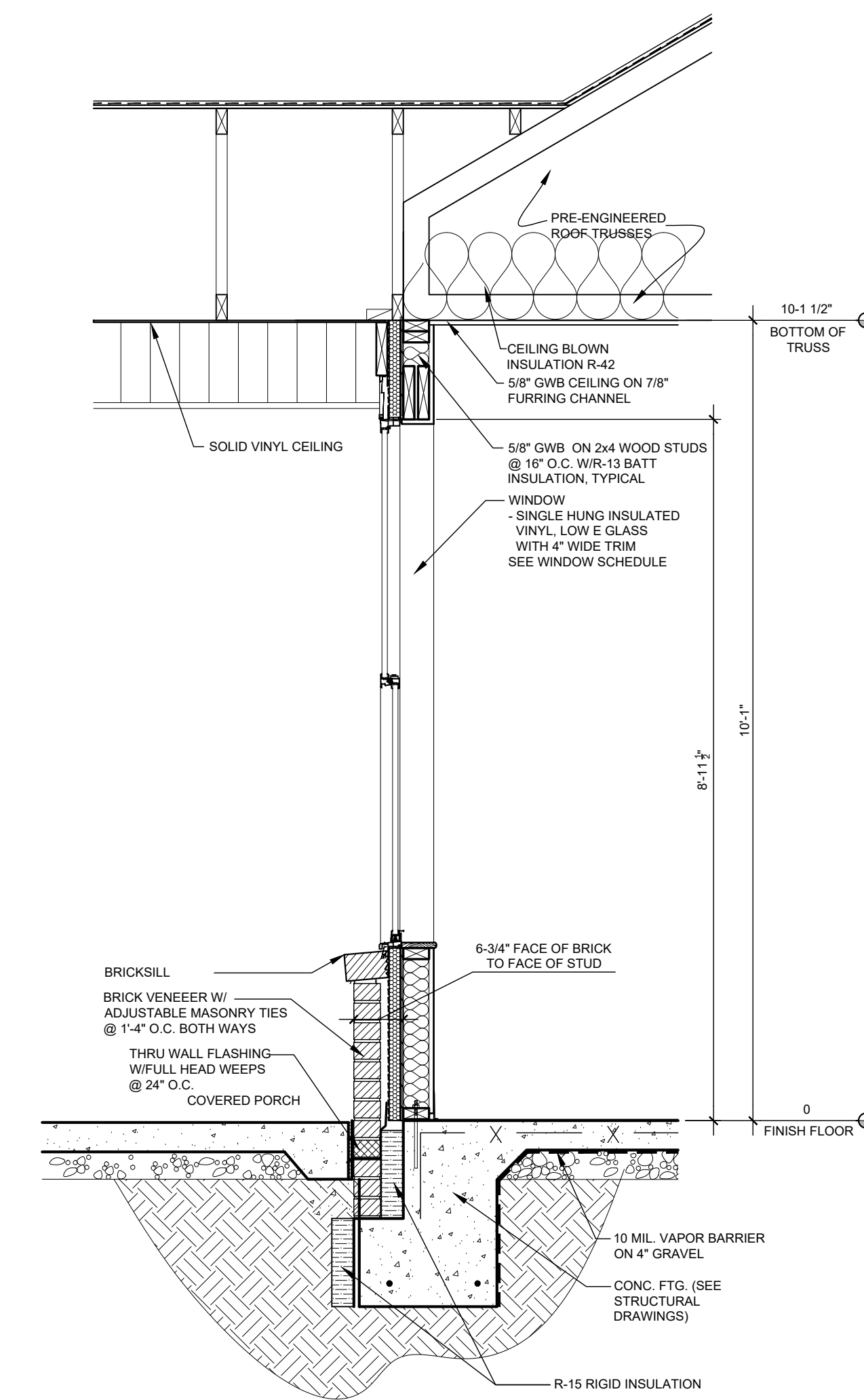




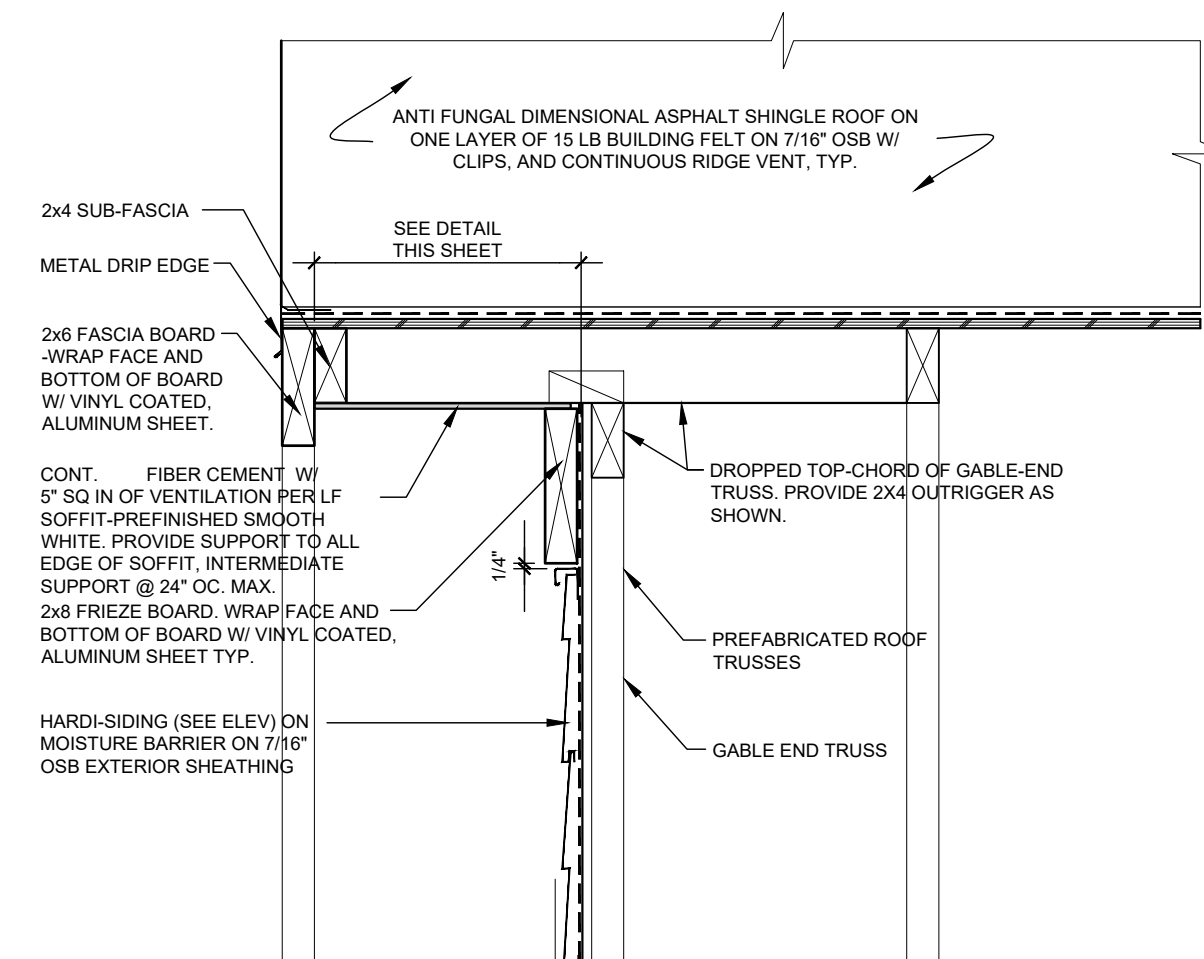
1 Exterior Wall Section @ Front Brick/Siding
Scale: 3/4" = 1'-0"



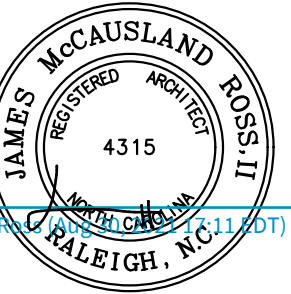
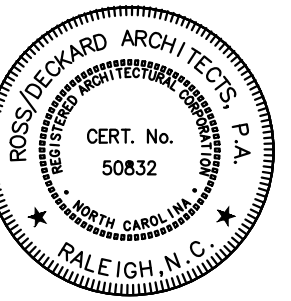
2 Exterior Wall Section @ Front Window
Scale: 3/4" = 1'-0"



3 Exterior Wall Section @ Front Porch
Scale: 3/4" = 1'-0"



3A Exterior Wall Section @ Front Porch
Scale: 3/4" = 1'-0"



SEALS

CONSULTANTS

HATCHER CREEK, LLC

COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

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SP100

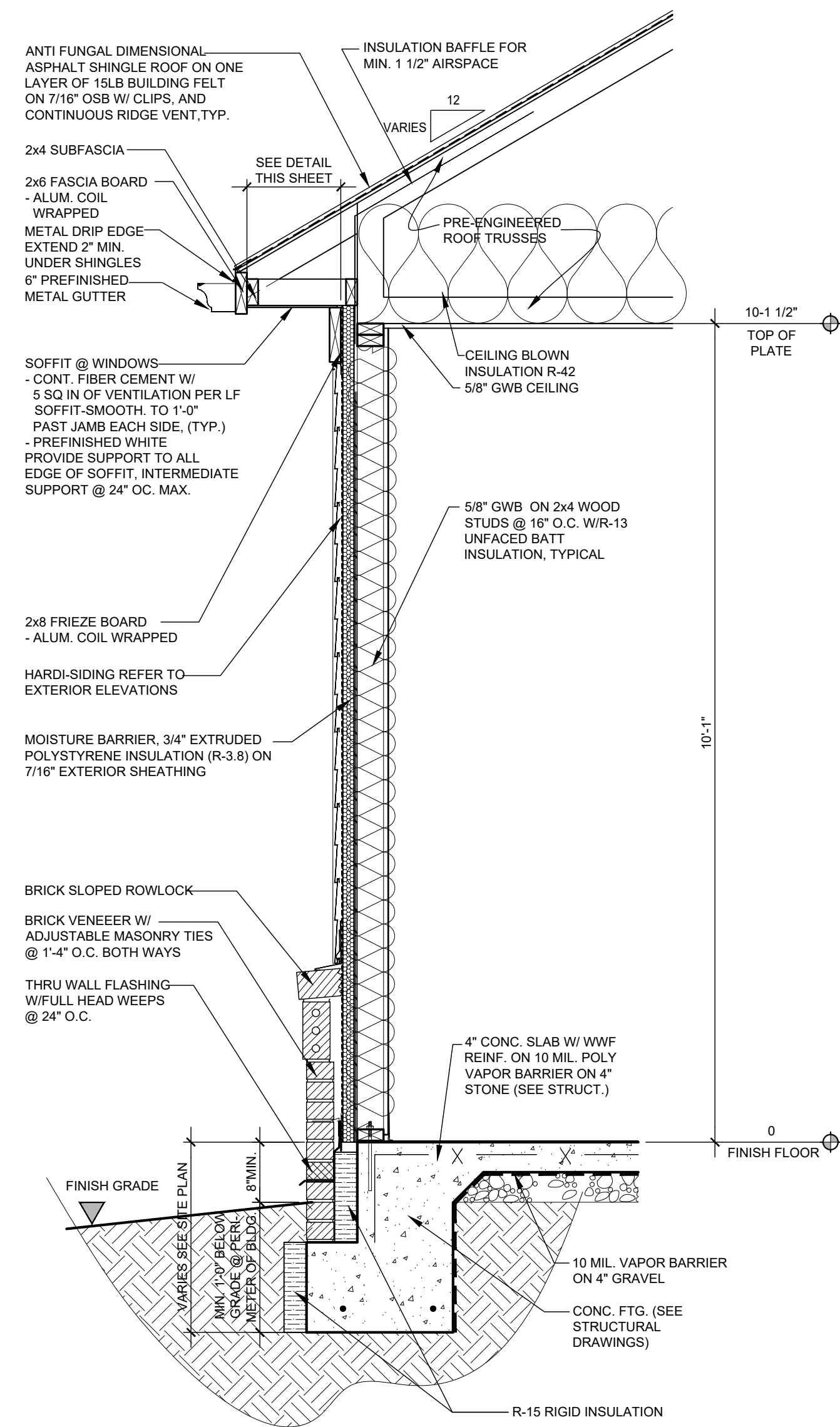
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WALL SECTIONS COMMUNITY BLDG

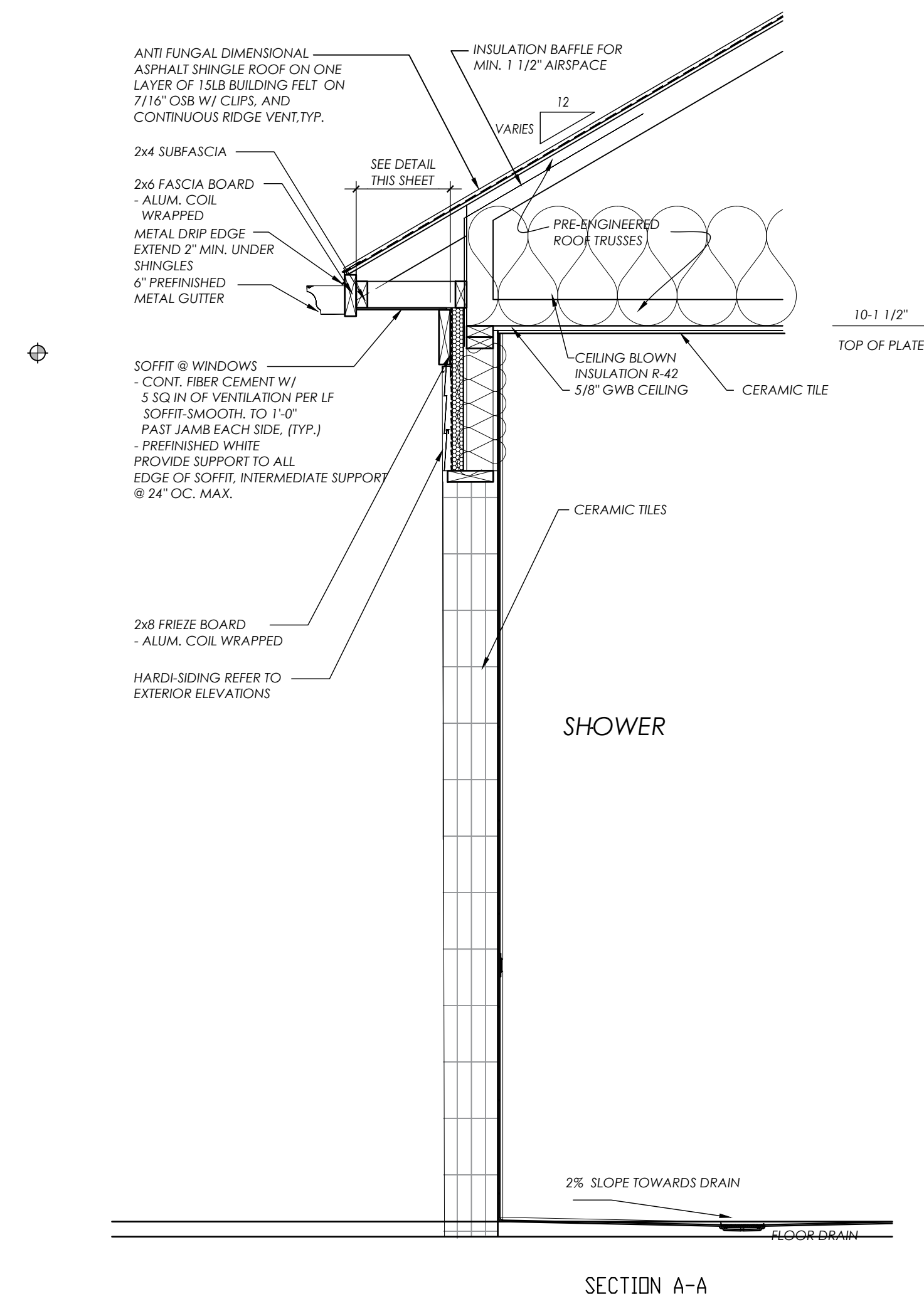
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A510

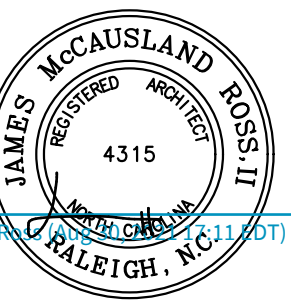
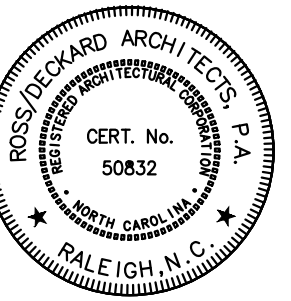
DRAWN BY: CHECKED BY:



1 POOL HOUSE SECTION DETAILS
SCALE: 3/4"=1'-0"



2 POOL HOUSE SHOWER SECTION DETAILS
SCALE: 3/4"=1'-0"



SEALS

CONSULTANTS

HATCHER CREEK, LLC

PROJECT
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

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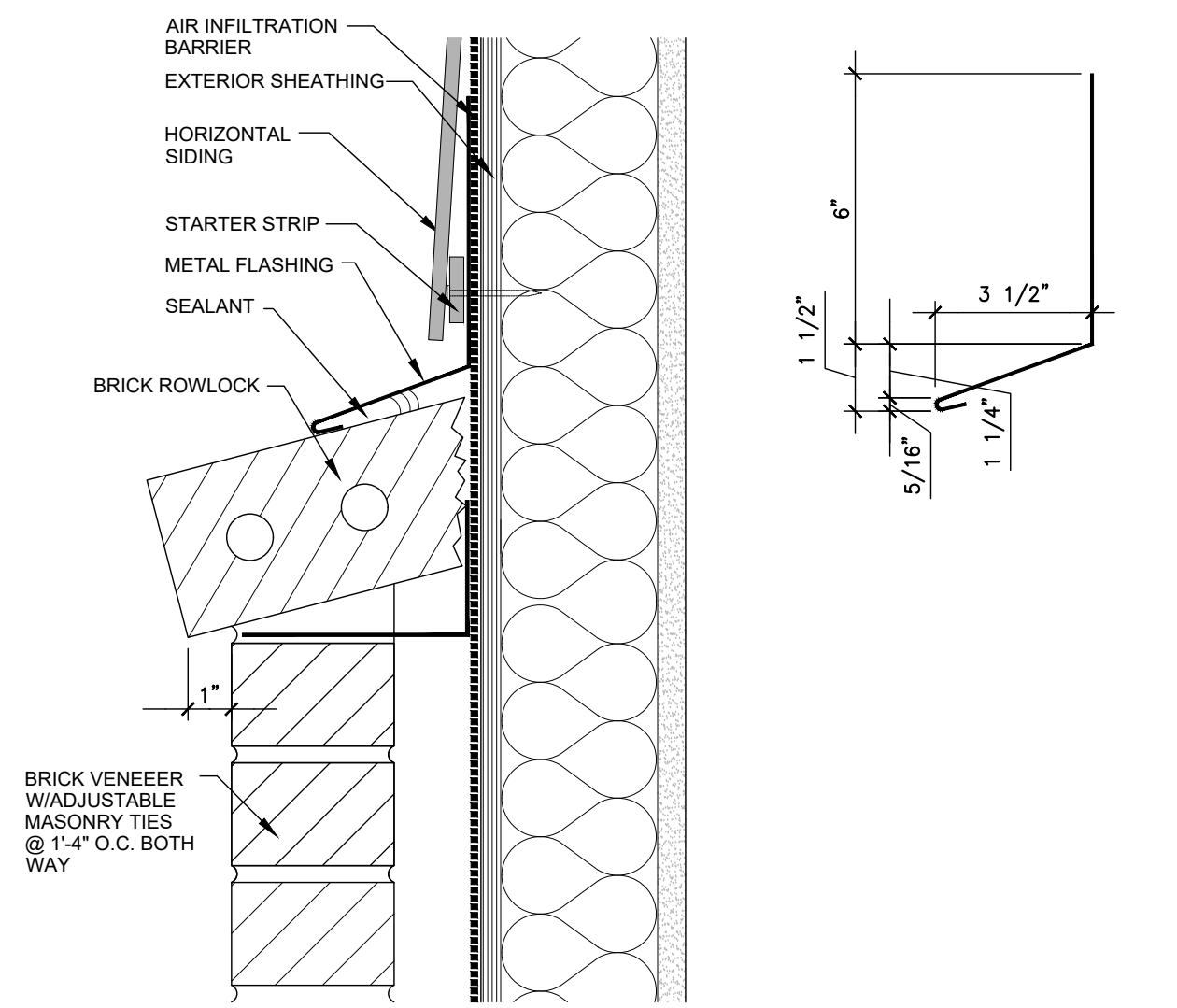
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ISSUED FOR: Construction Permit

SET#
SP100

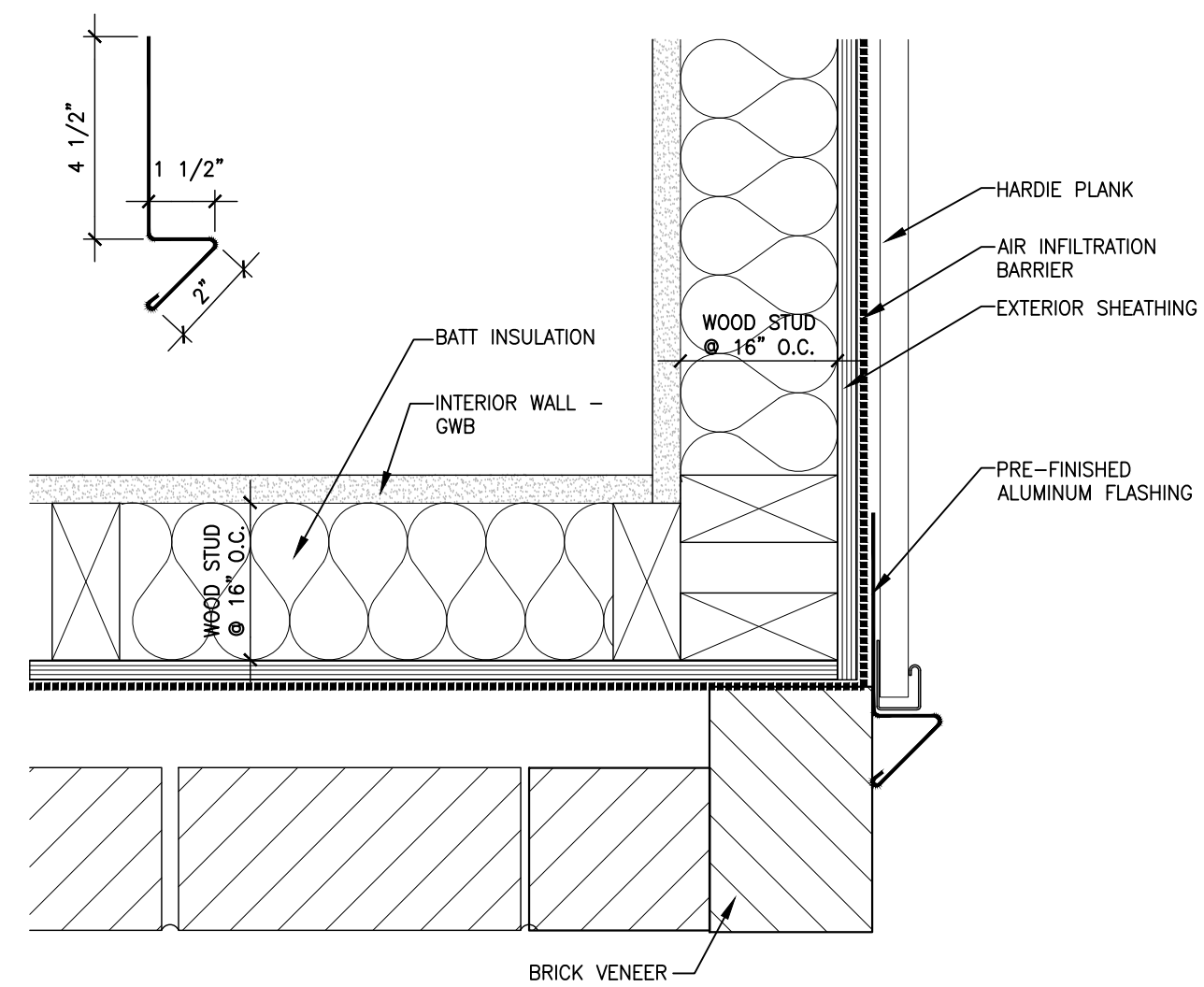
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WALL SECTIONS POOL HOUSE

A511

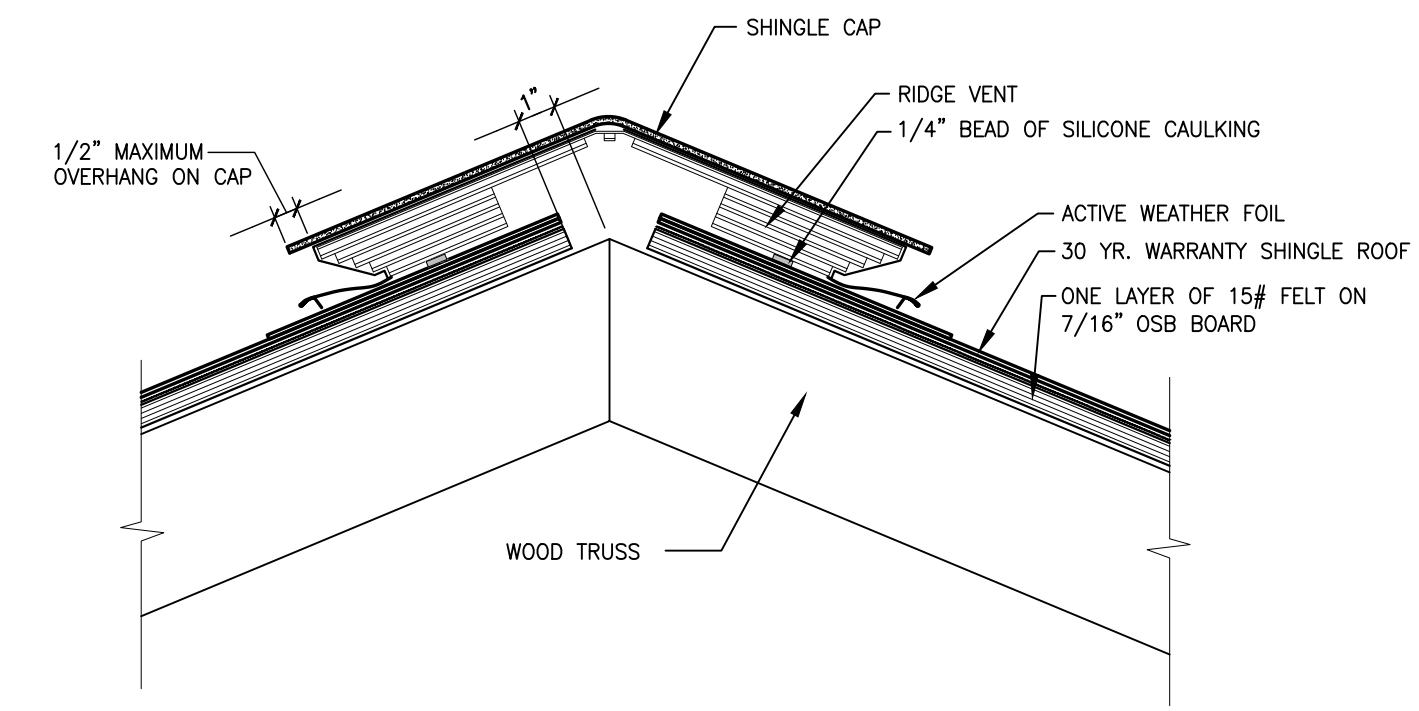
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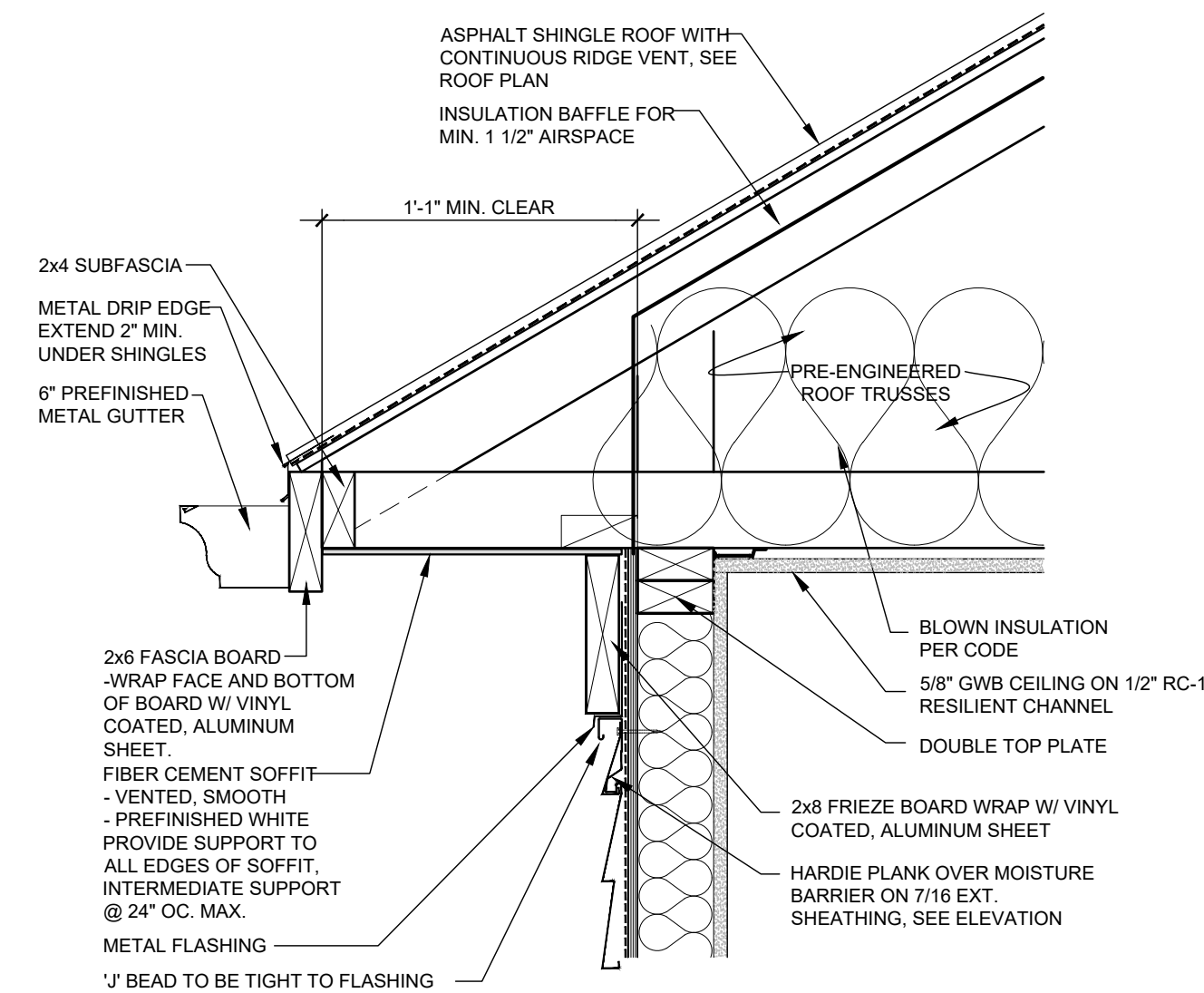
5 Transition @ Brick
Cement Board Siding/Brick Transition
Scale: 3" = 1'-0"



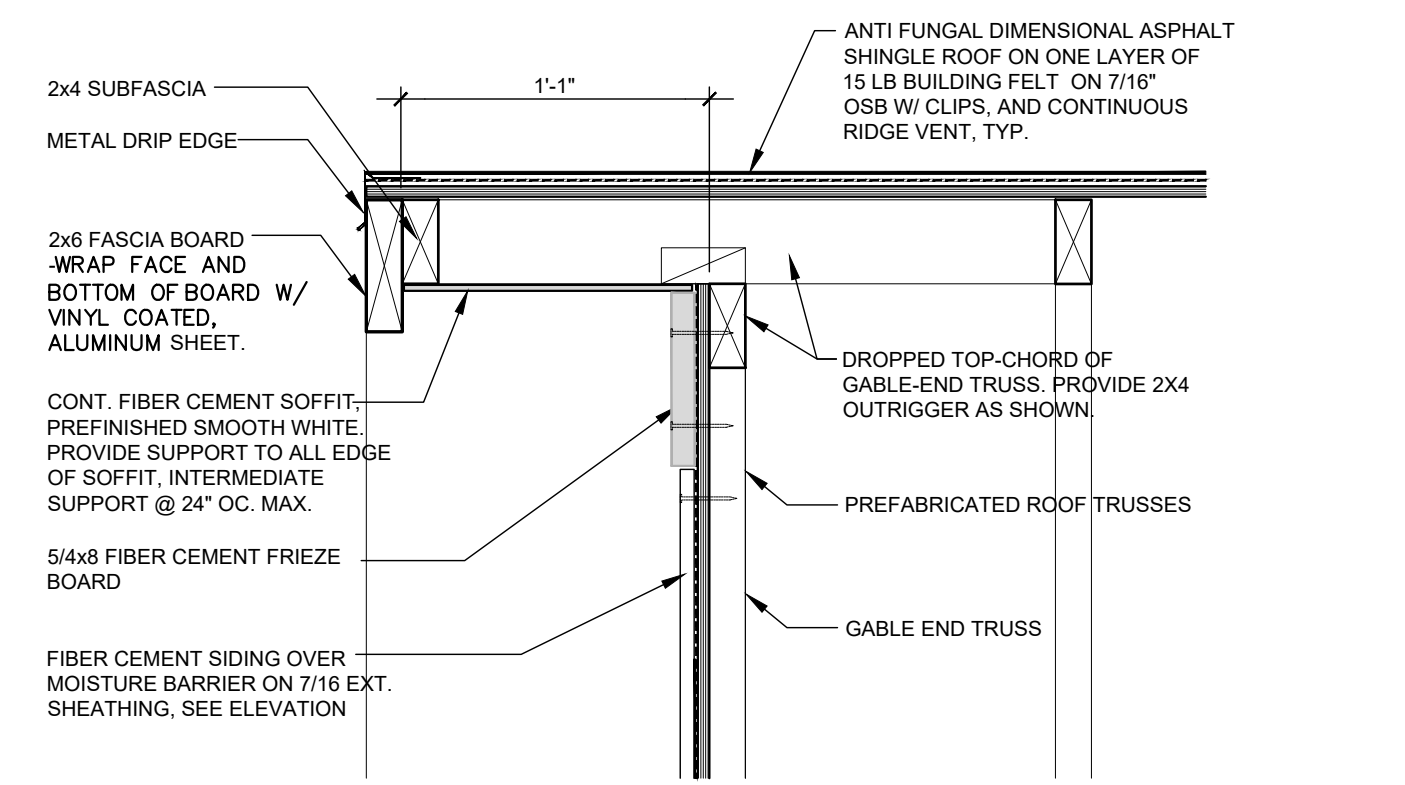
3 Vinyl Siding/Brick Transition
Scale: 3" = 1'-0"



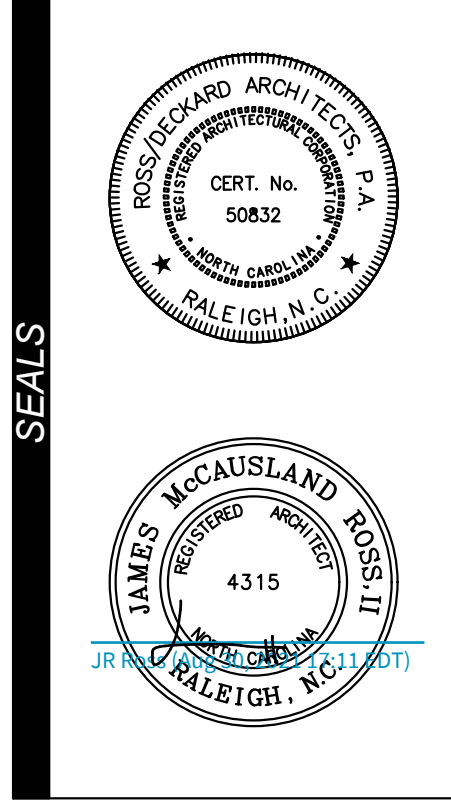
1 Ridge Vent Detail
Scale: 3" = 1'-0"



4 Eave Detail
Scale: 1-1/2" = 1'-0"



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



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HATCHER CREEK, LLC
COMM BLDG & POOL HOUSE @ THE GROVES AT 421
LILLINGTON, NORTH CAROLINA

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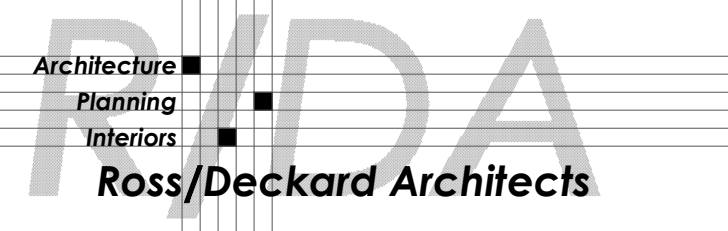
REVISIONS

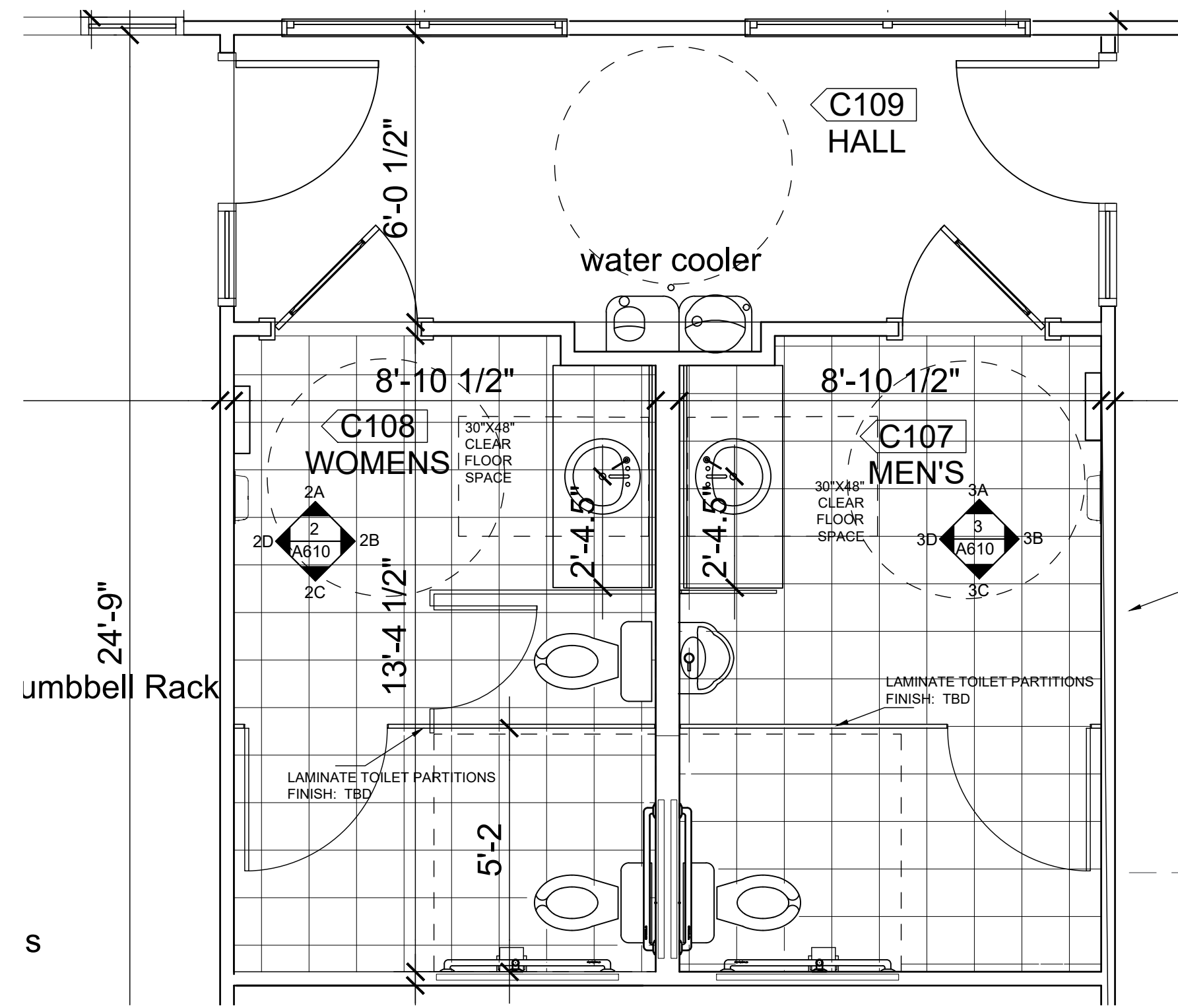
DATE: August 30, 2021
ISSUED FOR: Construction Permit

SET# **SP100**

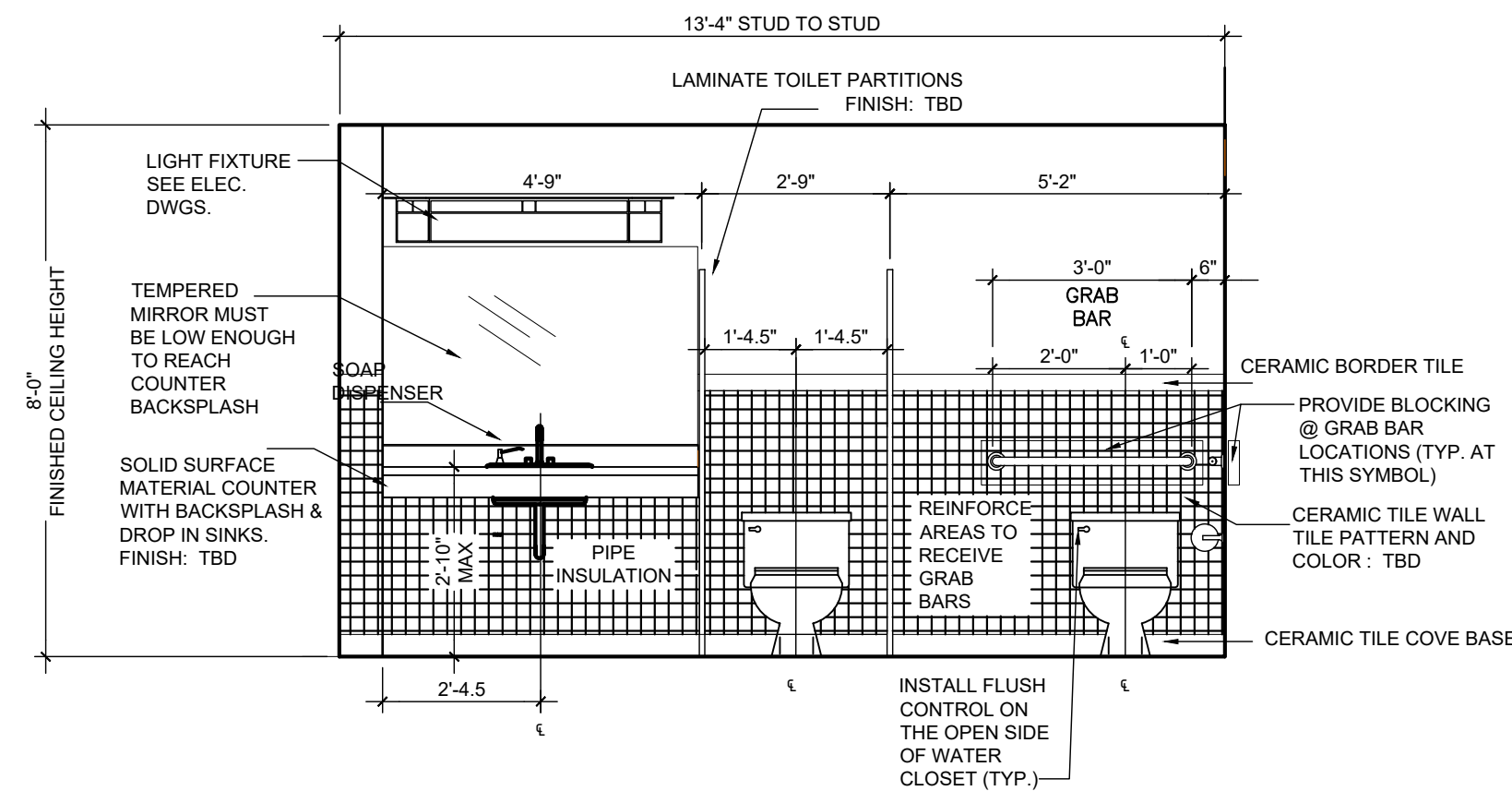
SHEET
Wall Sect - Details - Community Bldg - Pool House

A512
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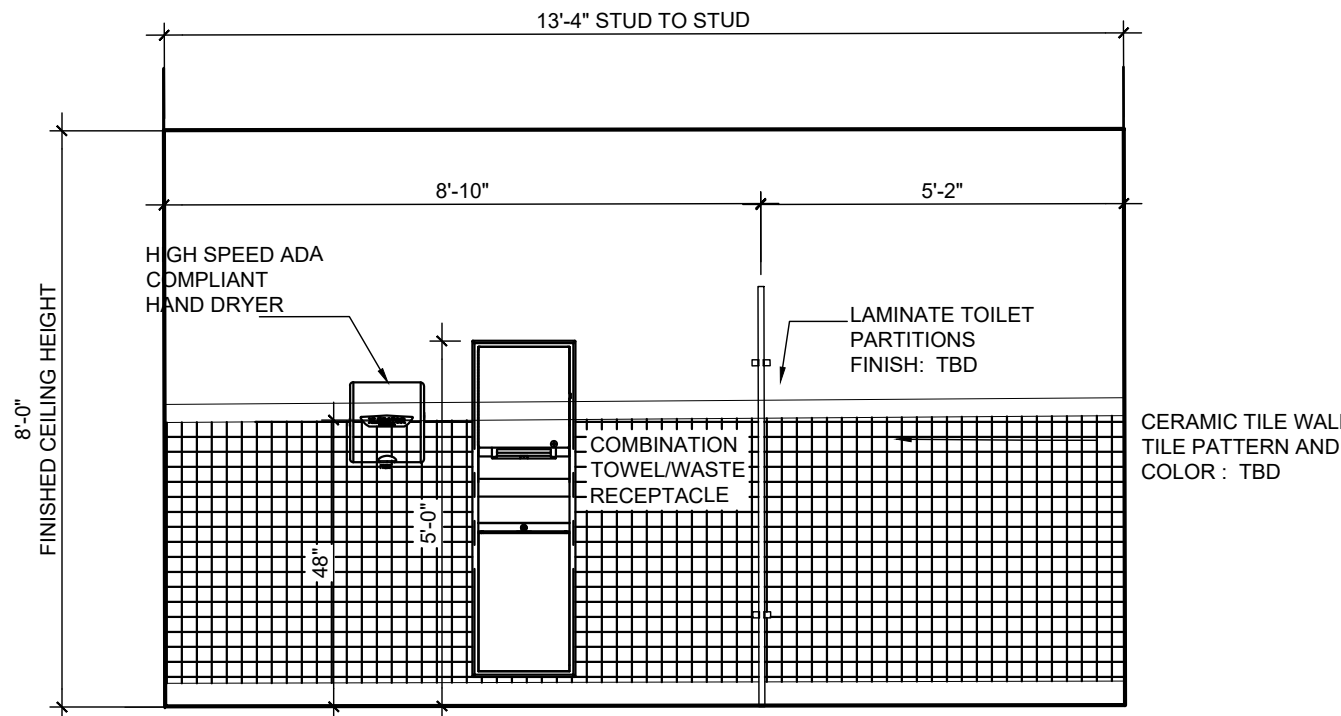




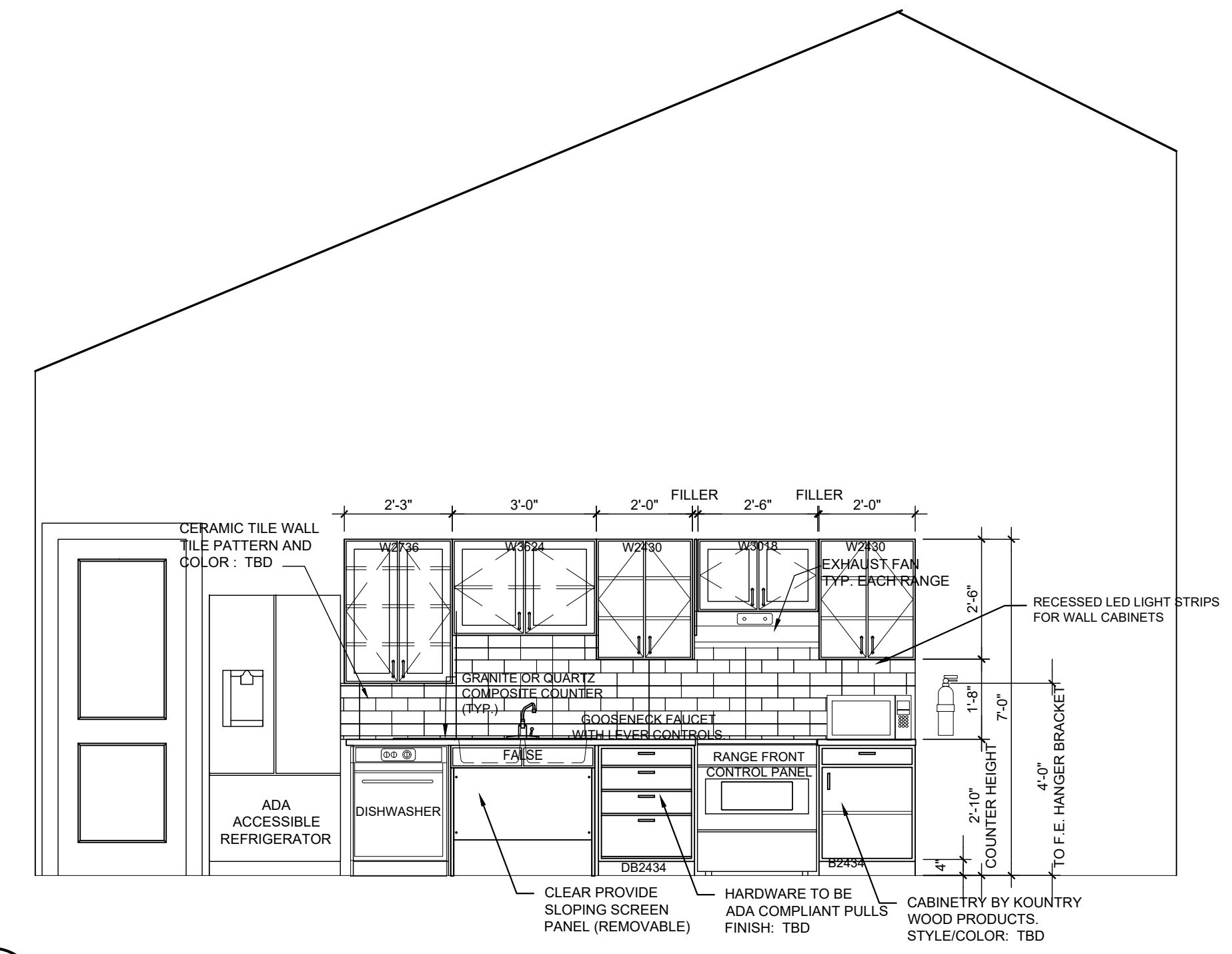
1 ENLARGED RESTROOMS
SCALE: 3/8"=1'-0"



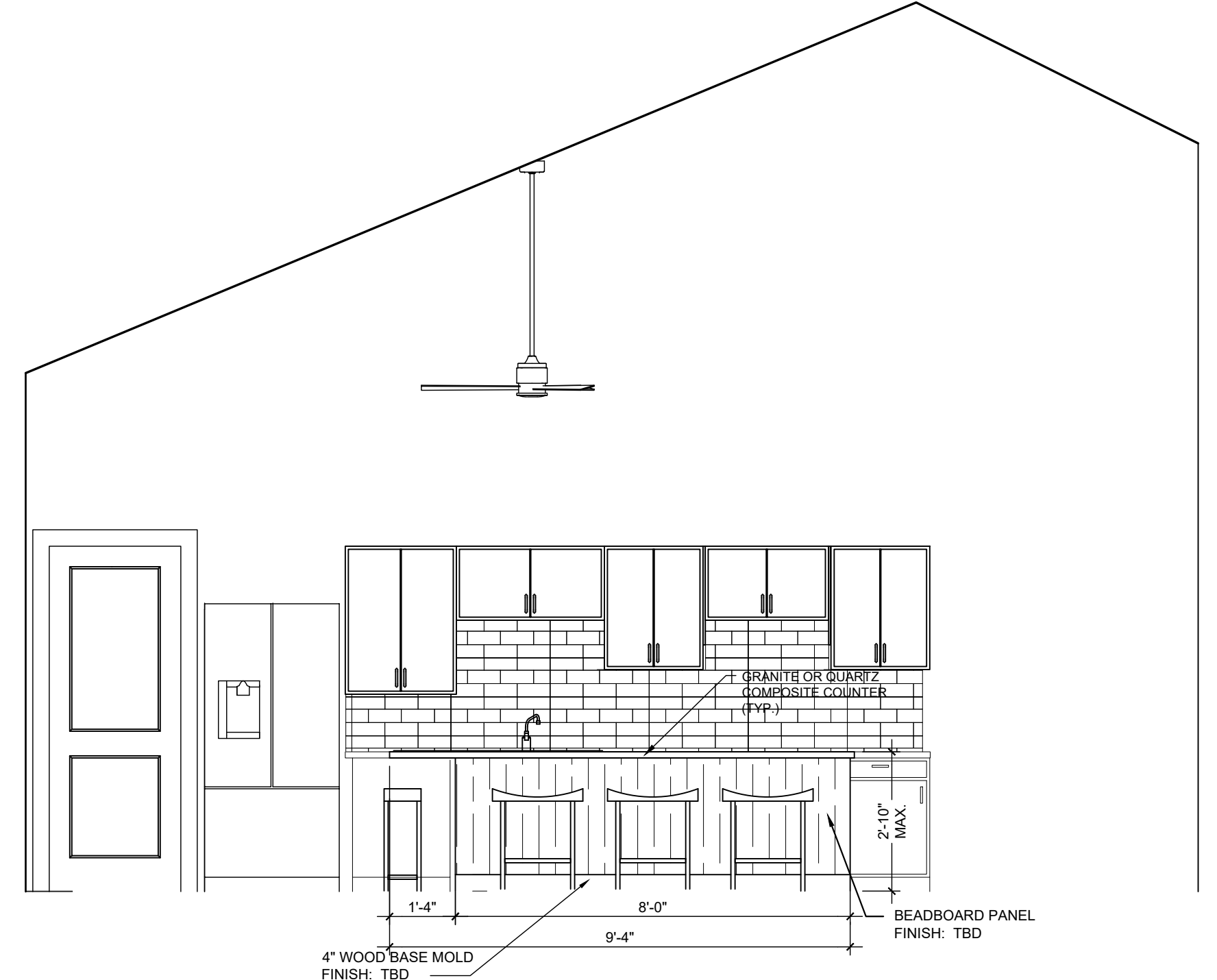
4 INTERIOR ELEVATION-WOMENS 2B
SCALE: 3/8"=1'-0"



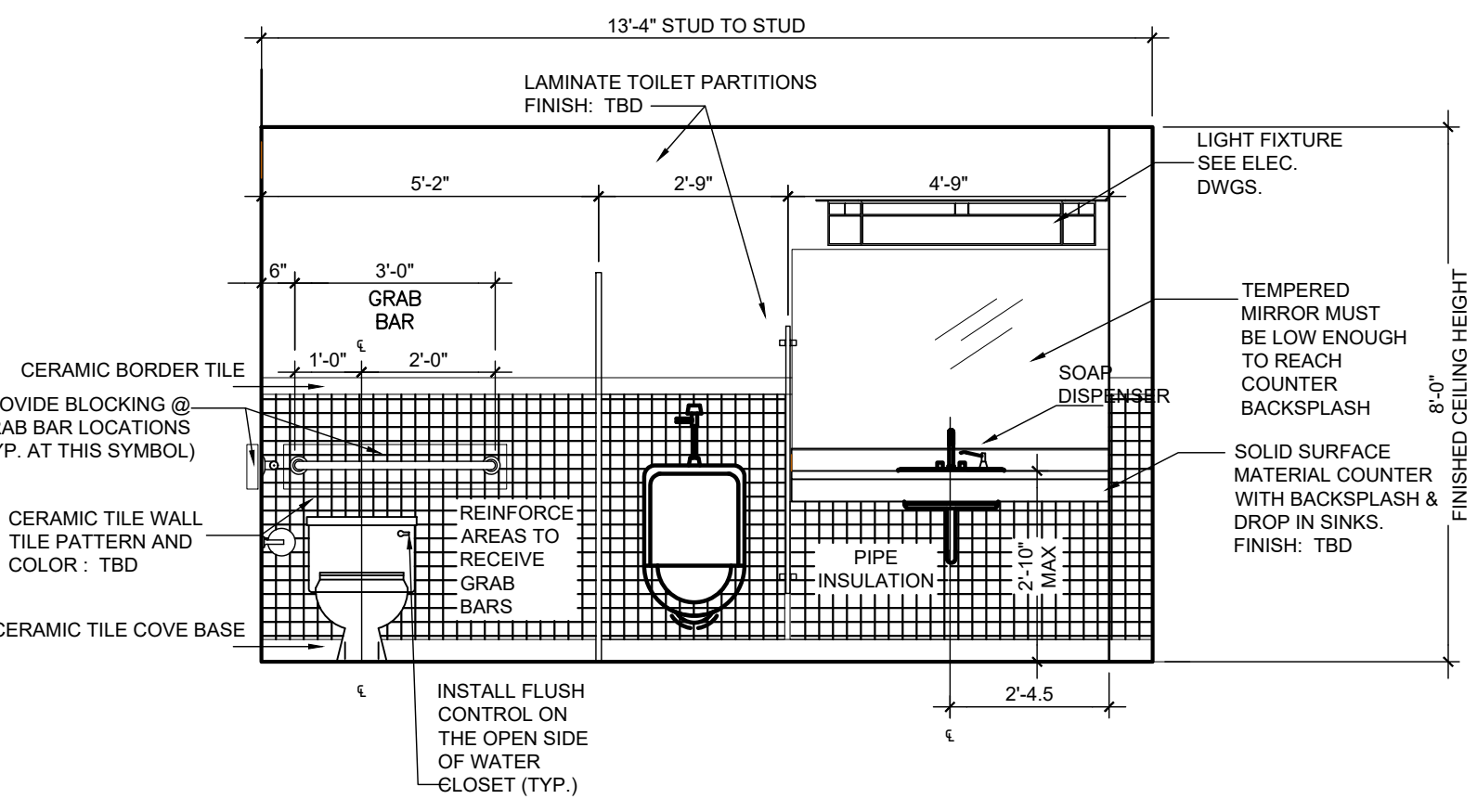
5 INTERIOR ELEVATION-WOMENS 2D
SCALE: 3/8"=1'-0"



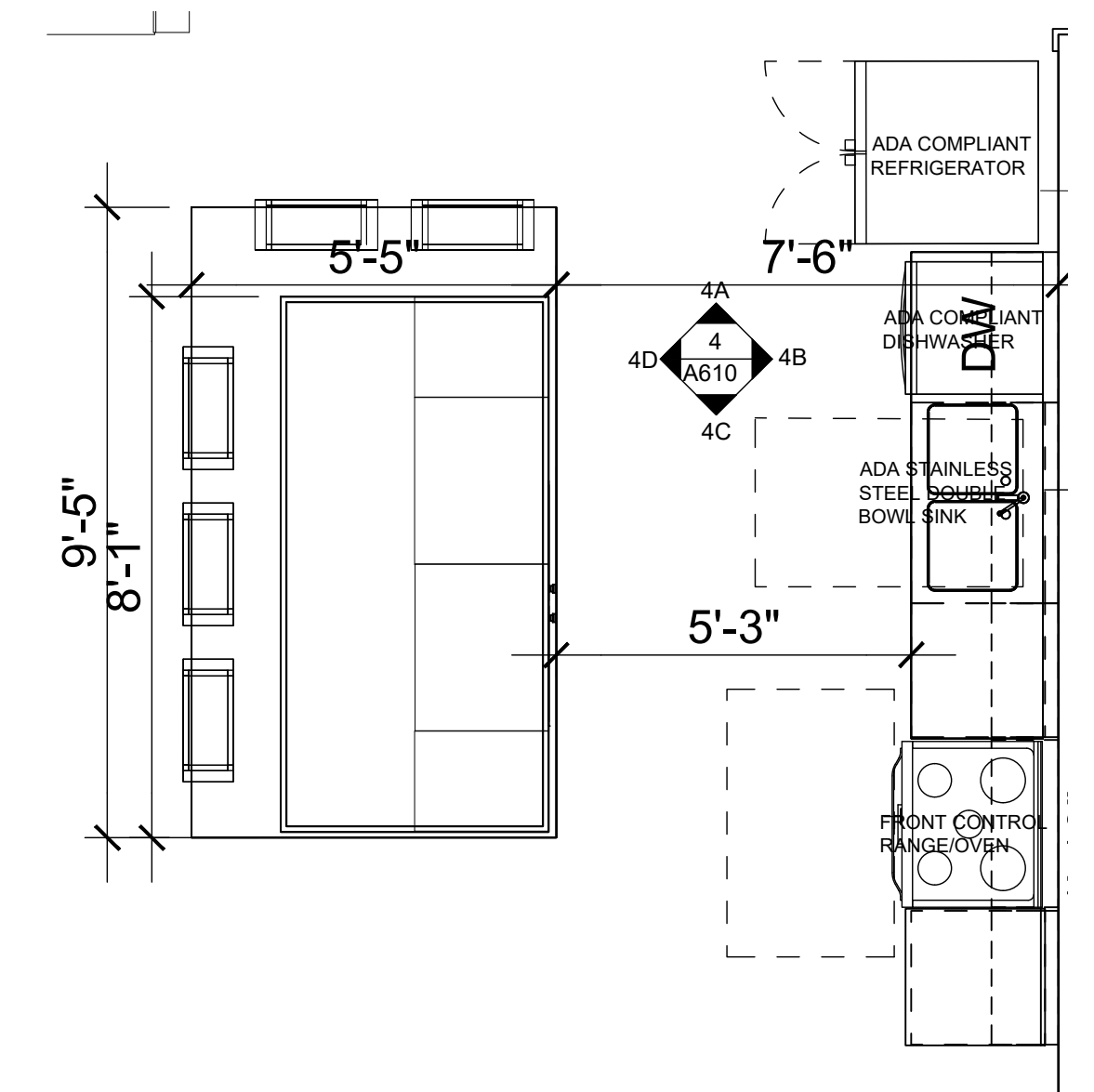
7 KITCHEN ELEVATION 4B
SCALE: 3/8"=1'-0"



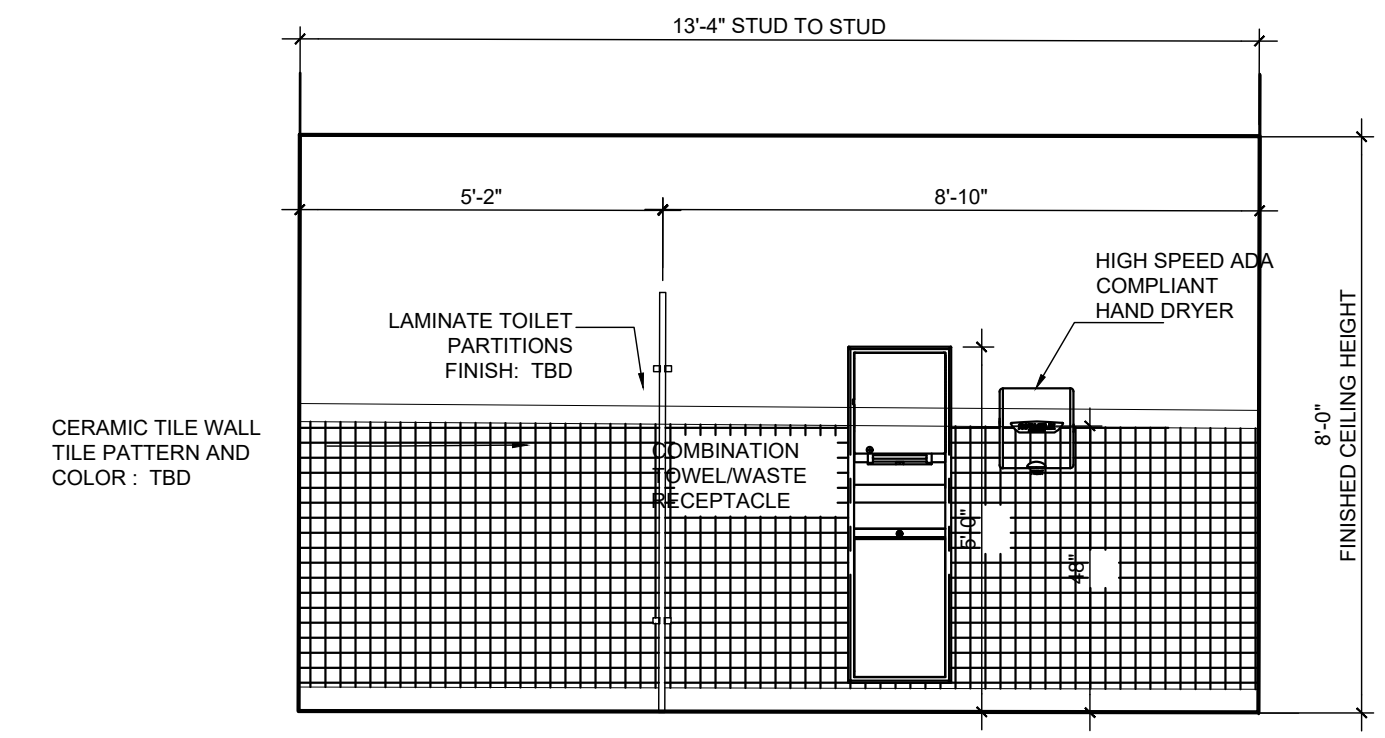
8 INTERIOR ELEVATION
SCALE: 3/8"=1'-0"



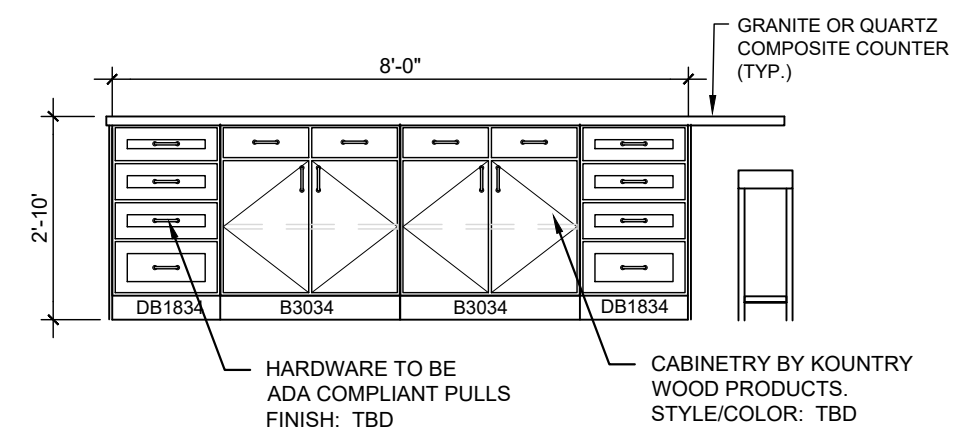
2 INTERIOR ELEVATION- MENS 3D
SCALE: 3/8"=1'-0"



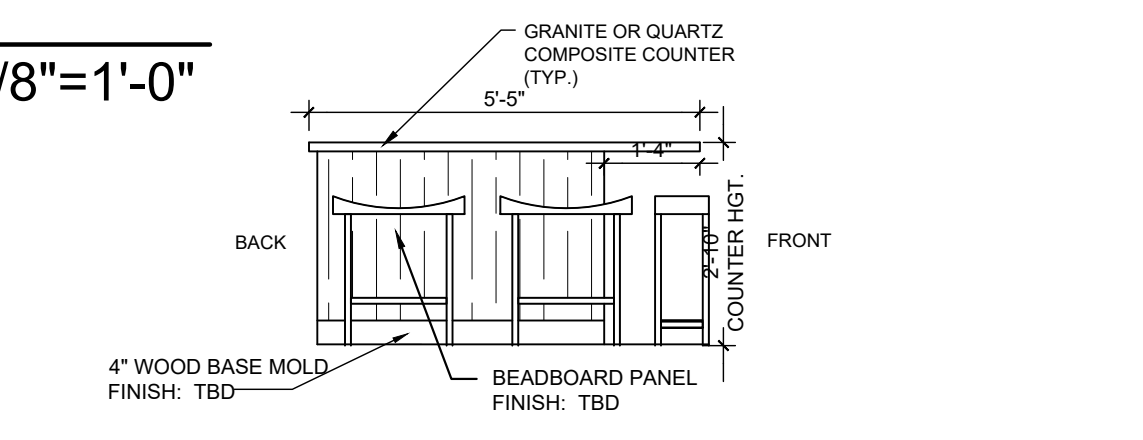
6 ENLARGED COMMUNITY KITCHEN
SCALE: 3/8"=1'-0"



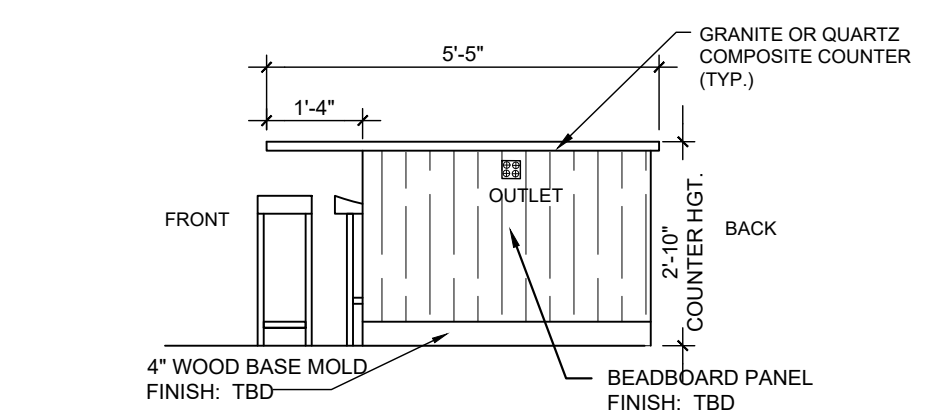
3 INTERIOR ELEVATION- MENS 3B
SCALE: 3/8"=1'-0"



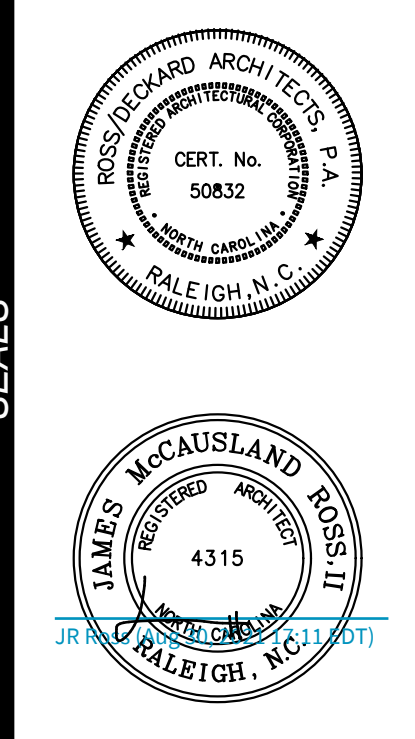
9 KITCHEN ELEVATION 4D- ISLAND
SCALE: 3/8"=1'-0"



10 KITCHEN ELEVATION 4C
SCALE: 3/8"=1'-0"



11 KITCHEN ELEVATION 4A
SCALE: 3/8"=1'-0"



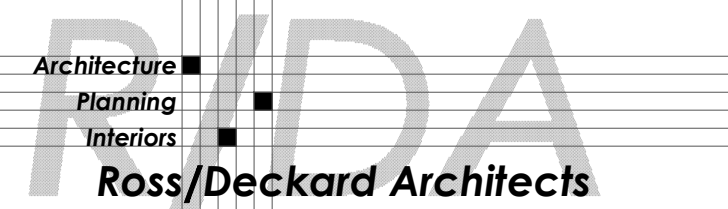
HATCHER CREEK, LLC
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

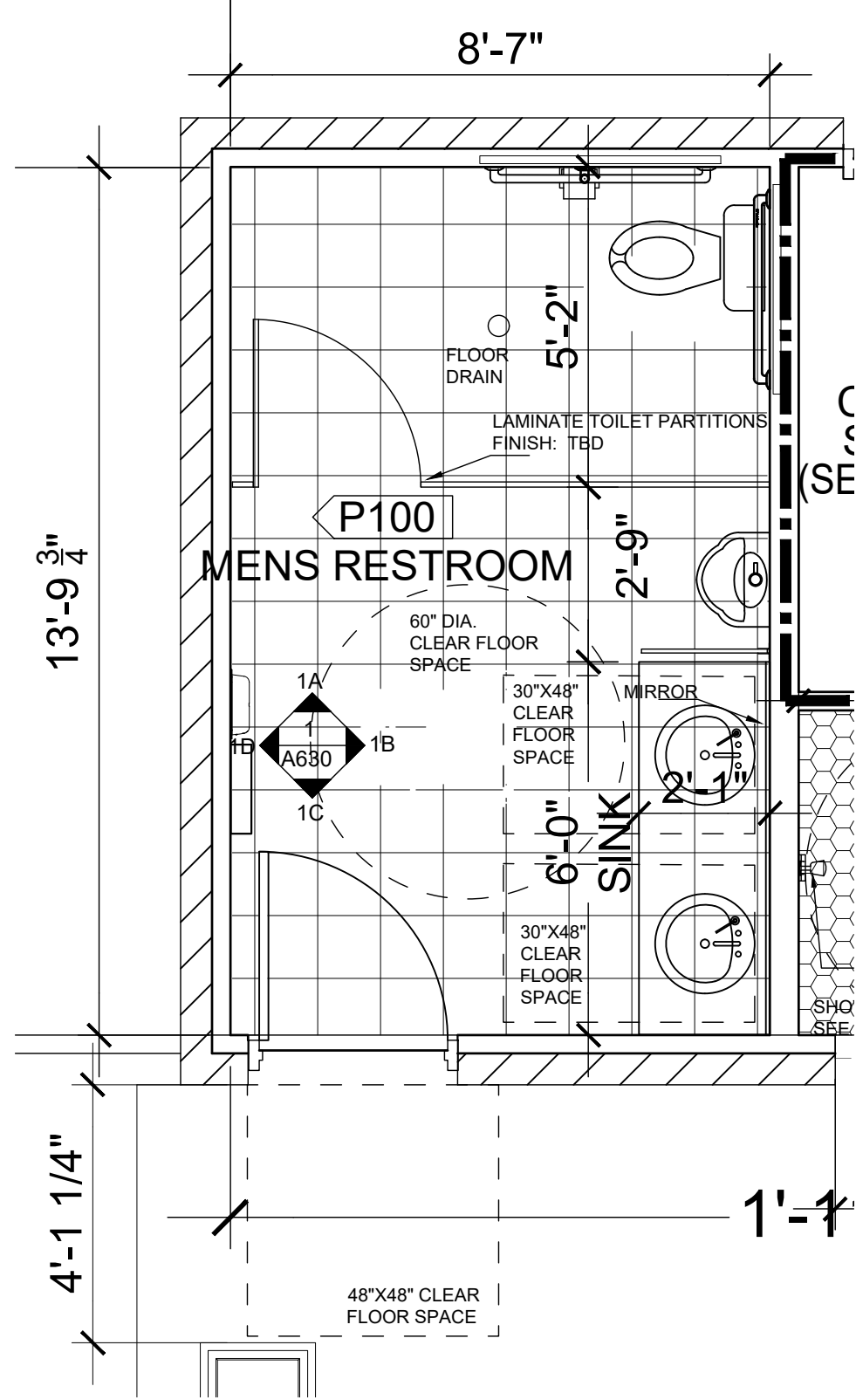
20-530.01

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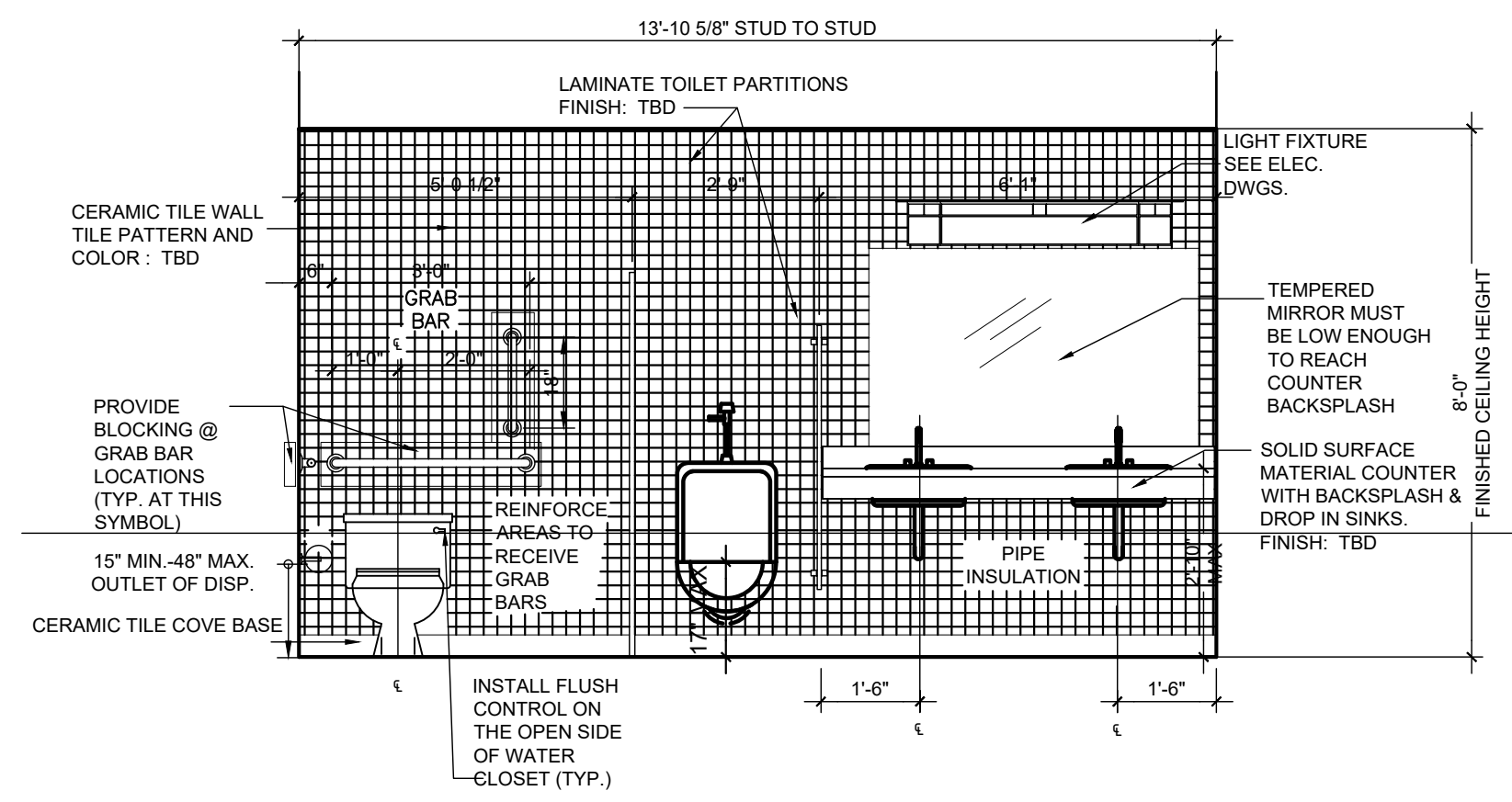
ENLARGED COMMUNITY BUILDING DETAILS

A610

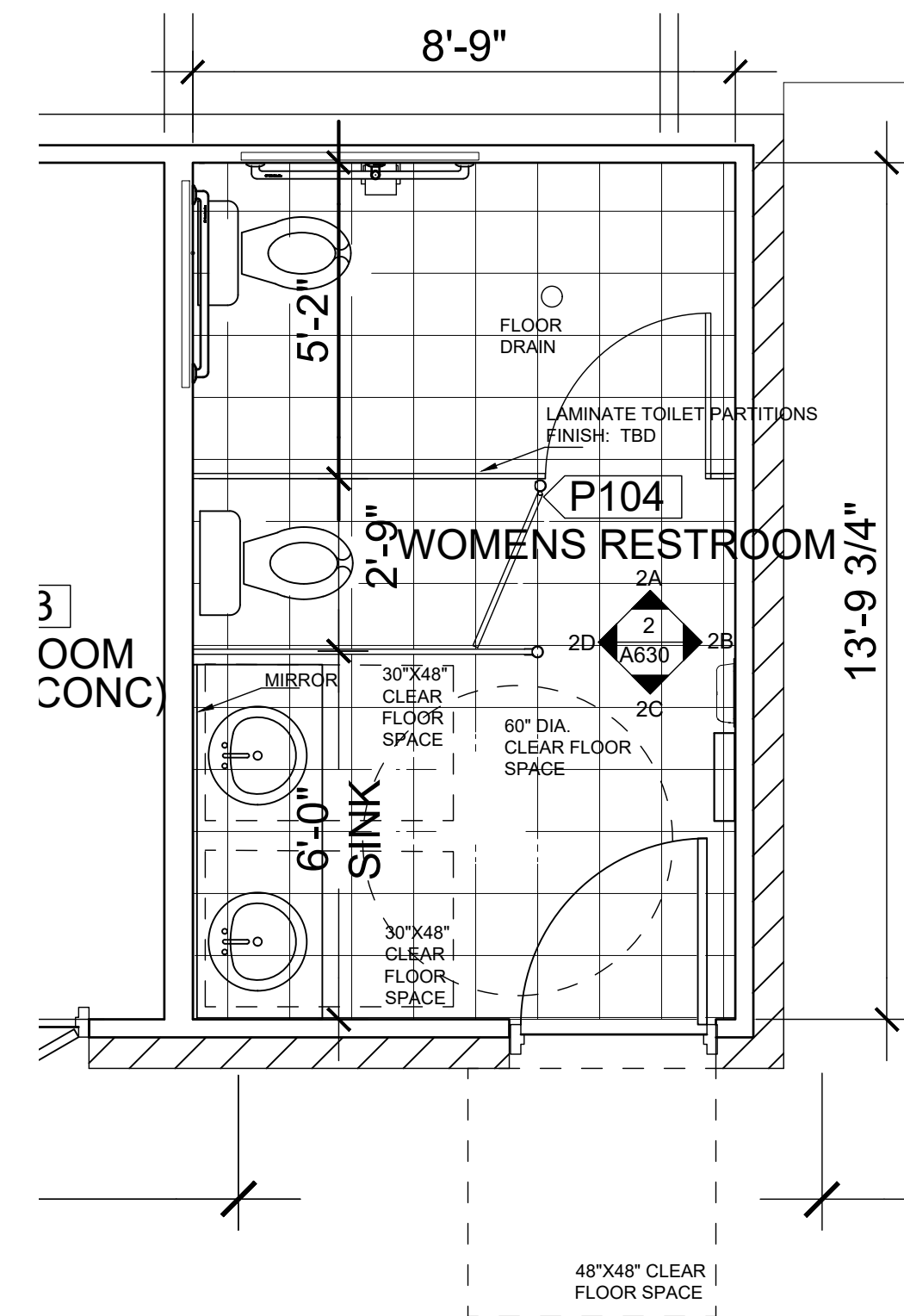




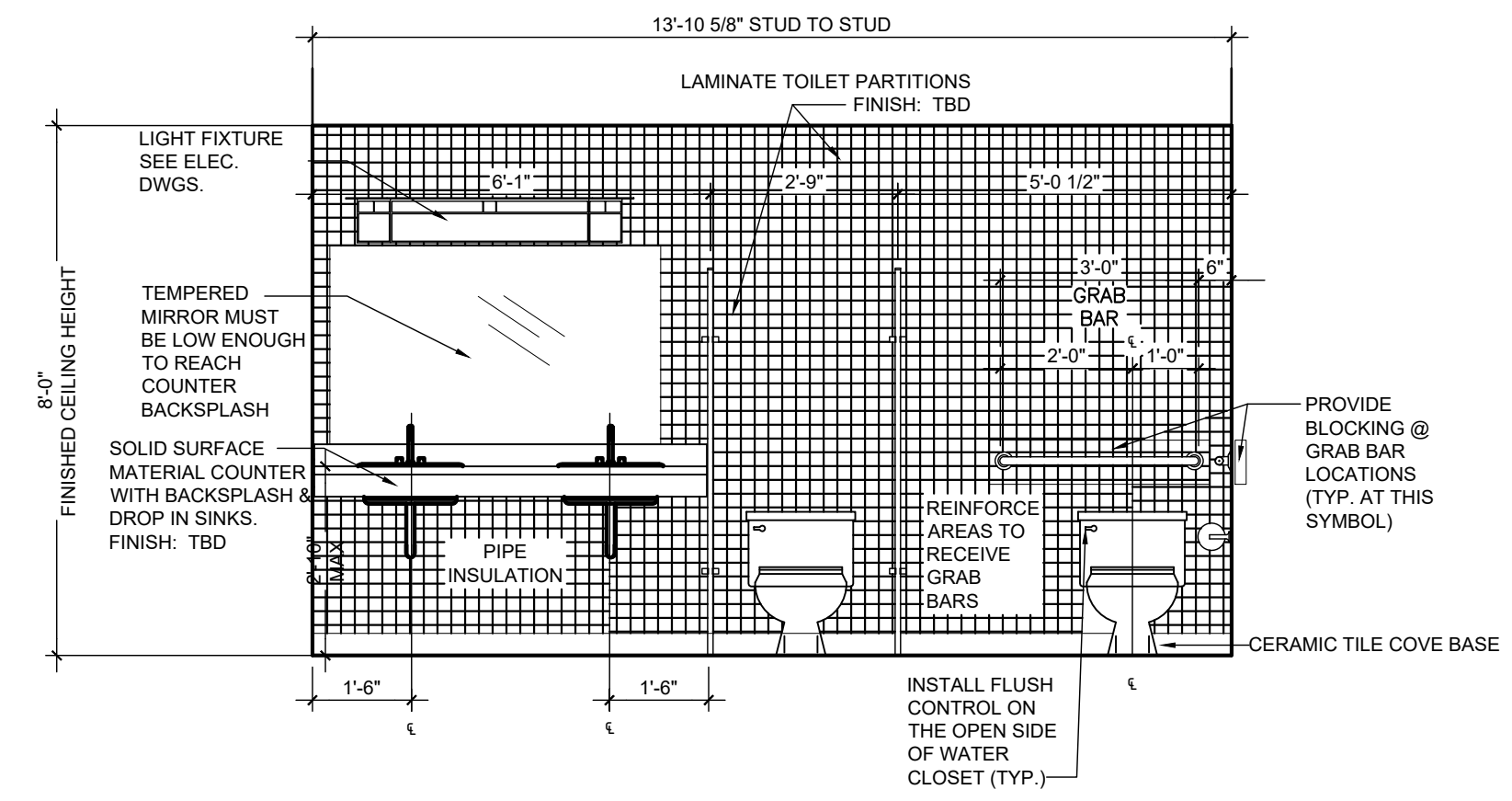
1 ENLARGED MEN'S RESTROOM
SCALE: 3/8"=1'-0"



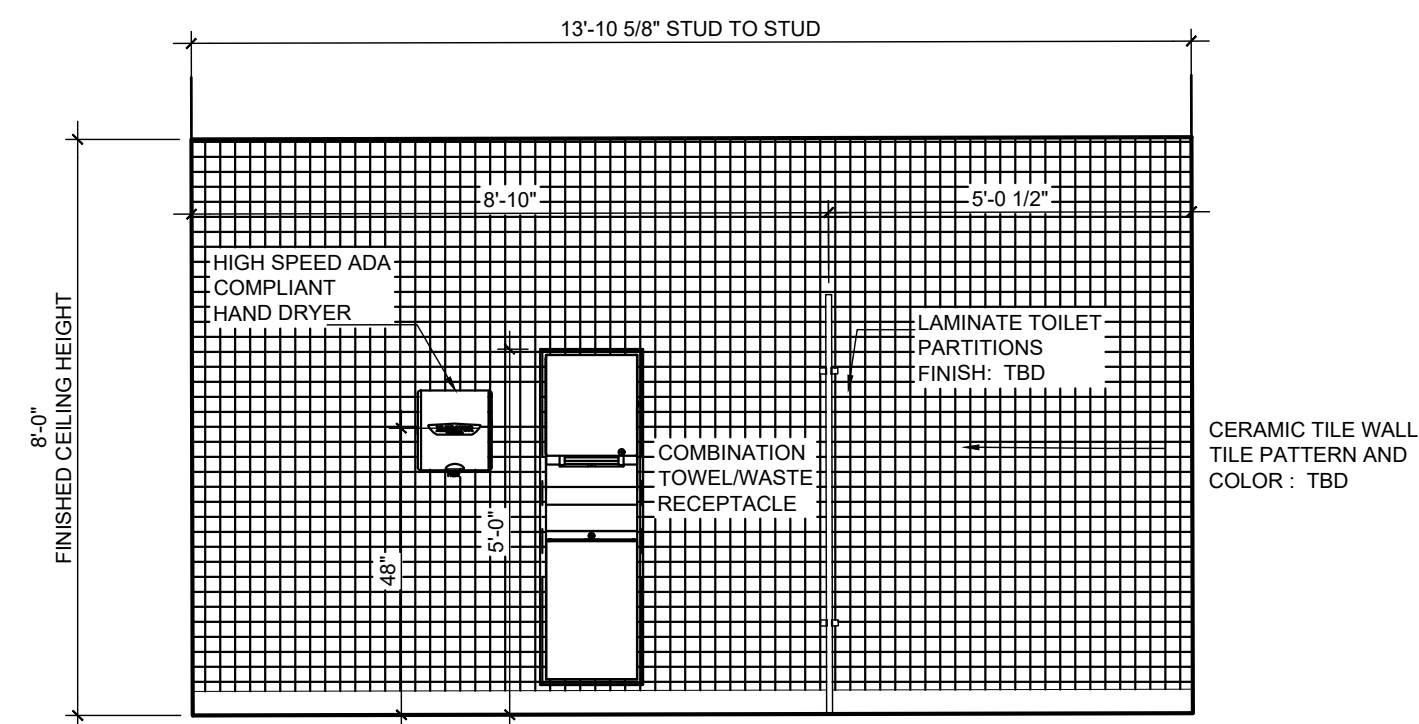
4 INTERIOR ELEVATION 1B - MENS RESTROOM
SCALE: 3/8"=1'-0"



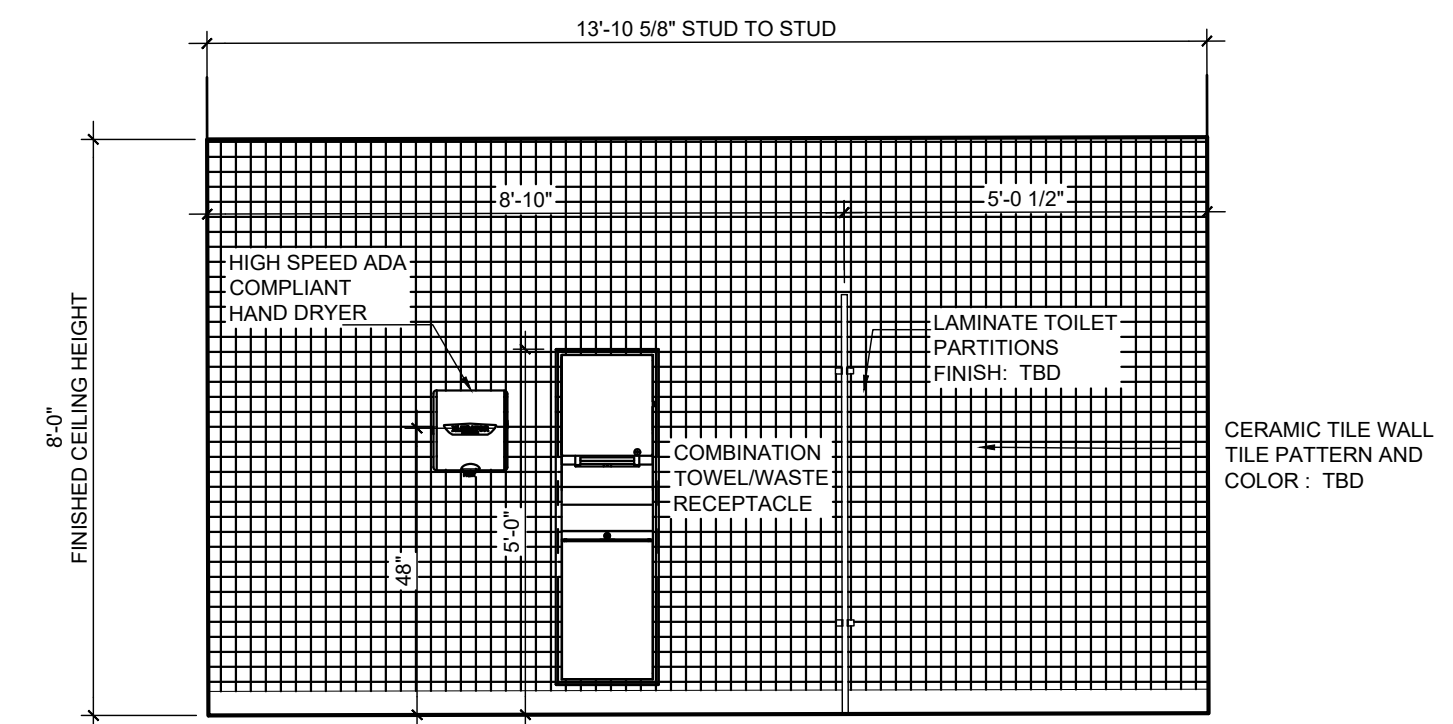
2 ENLARGED WOMANS RESTROOM
SCALE: 3/8"=1'-0"



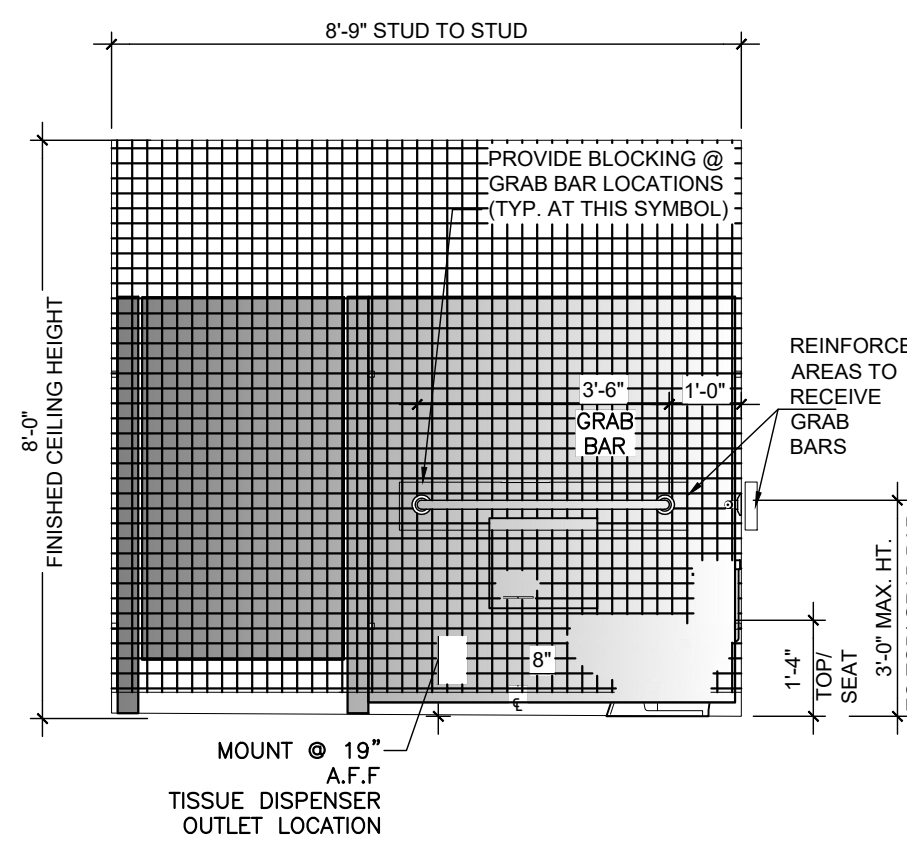
7 INTERIOR ELEVATION 2D - WOMENS RESTROOM
SCALE: 3/8"=1'-0"



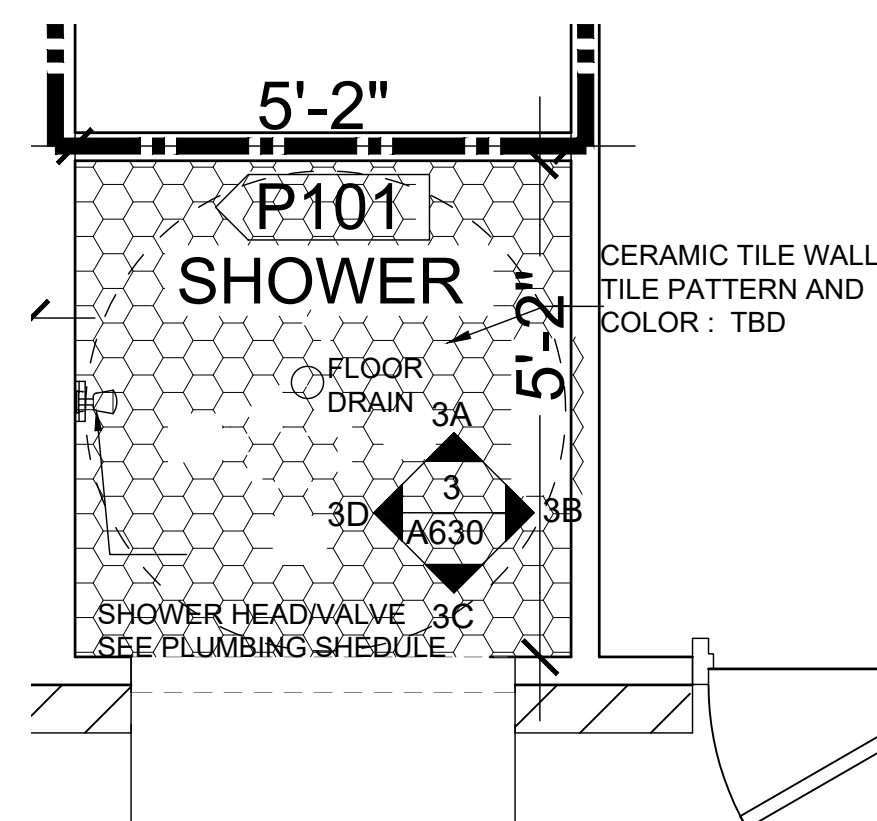
5 INTERIOR ELEVATION 1D - MENS RESTROOM
SCALE: 3/8"=1'-0"



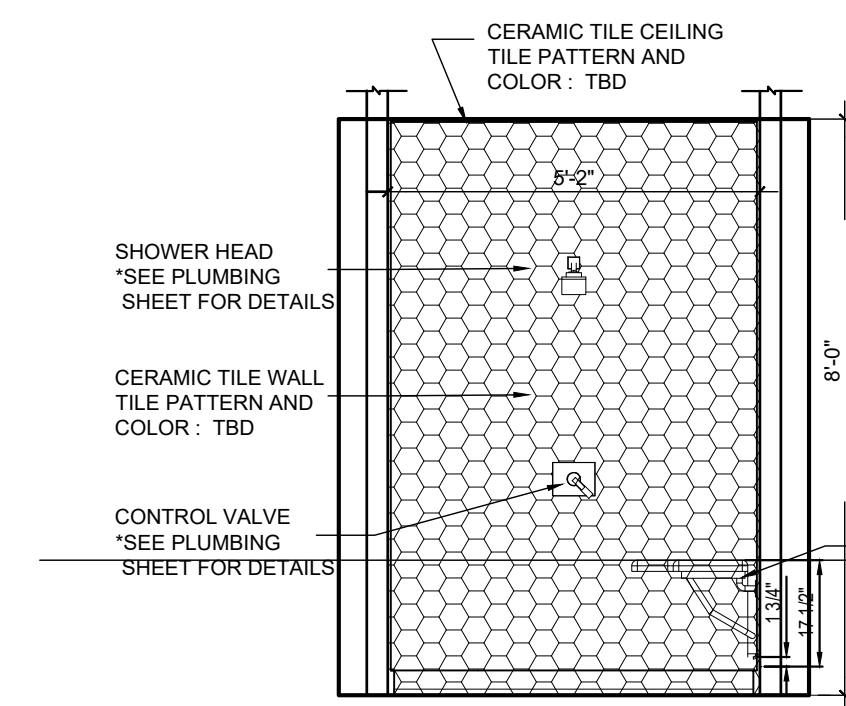
8 INTERIOR ELEVATION 2B - WOMENS RESTROOM
SCALE: 3/8"=1'-0"



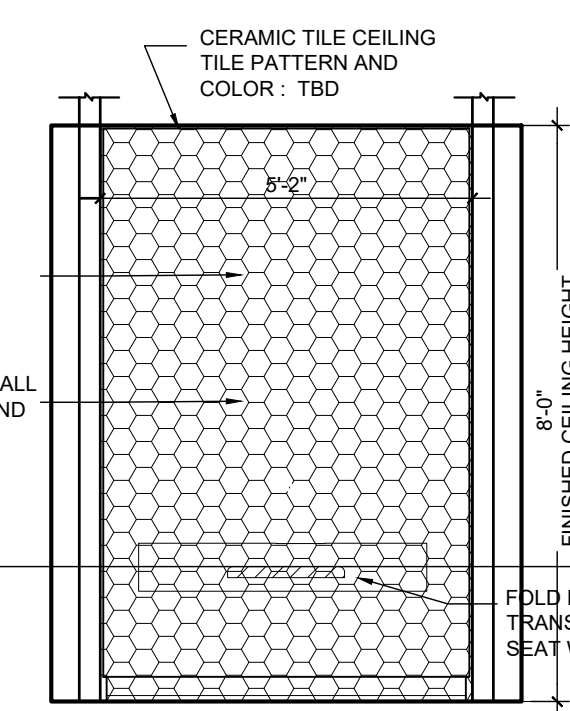
6 INTERIOR ELEVATION 1A - MENS RESTROOM
SCALE: 3/8"=1'-0"



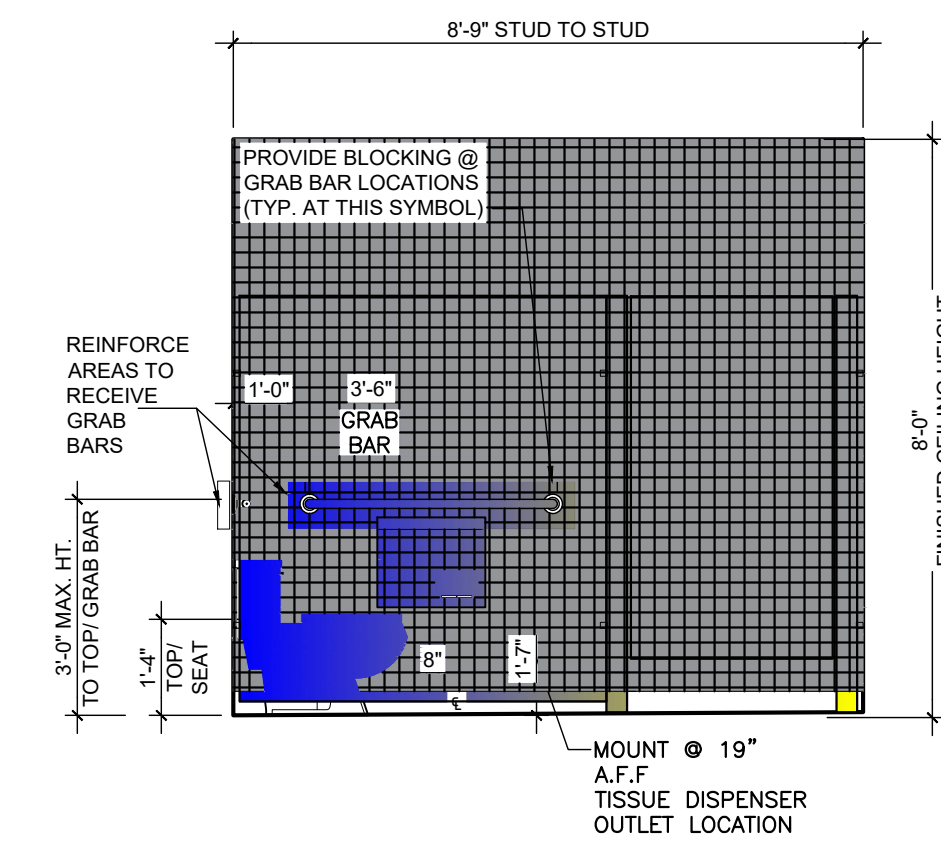
3 ENLARGED POOL SHOWER
SCALE: 1/2"=1'-0"



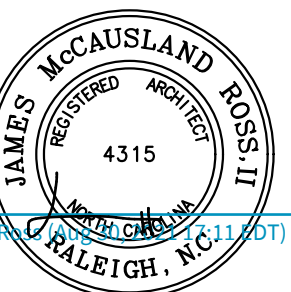
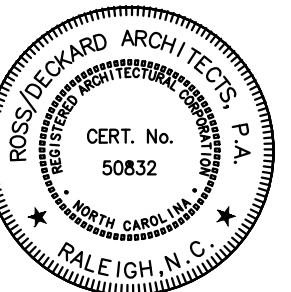
10 INTERIOR ELEVATION 3D- POOL SHOWER
SCALE: 3/8"=1'-0"



11 INTERIOR ELEVATION 3B- POOL SHOWER
SCALE: 3/8"=1'-0"



9 INTERIOR ELEVATION 2A - WOMENS RESTROOM
SCALE: 3/8"=1'-0"



SEALS CONSULTANTS

HATCHER CREEK, LLC

COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

PROJECT

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ENLARGED POOL HOUSE DETAILS

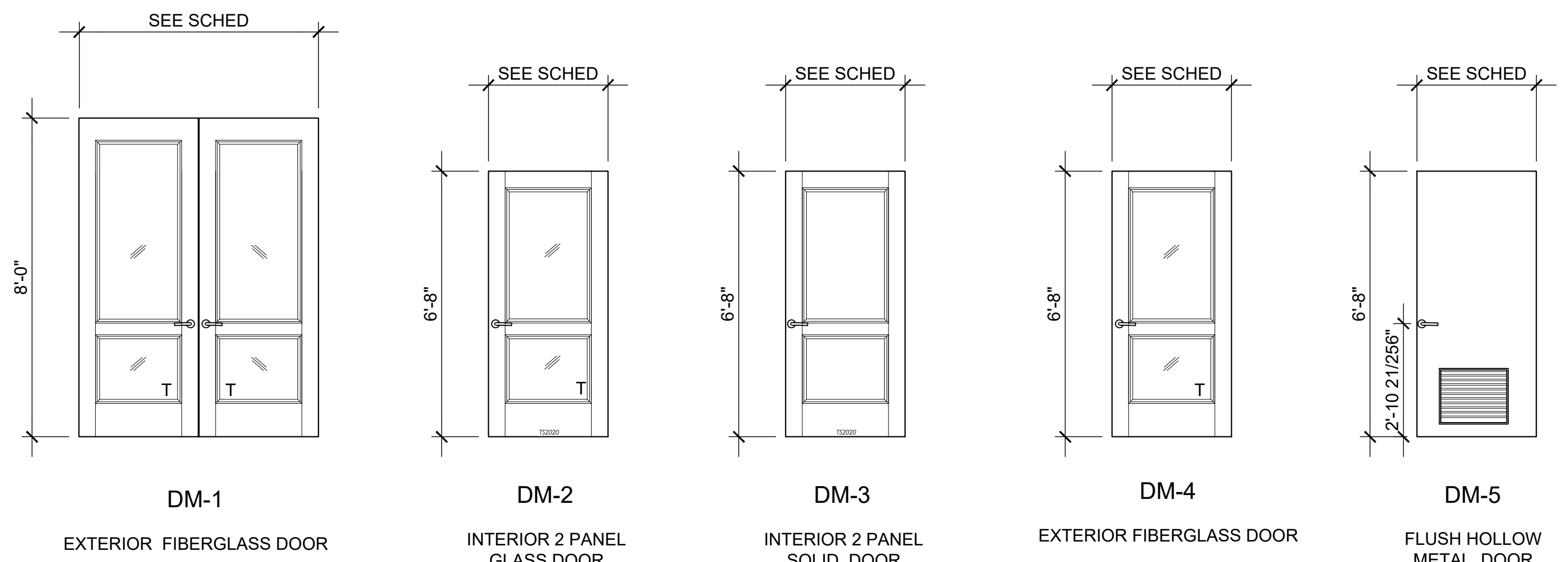
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A630

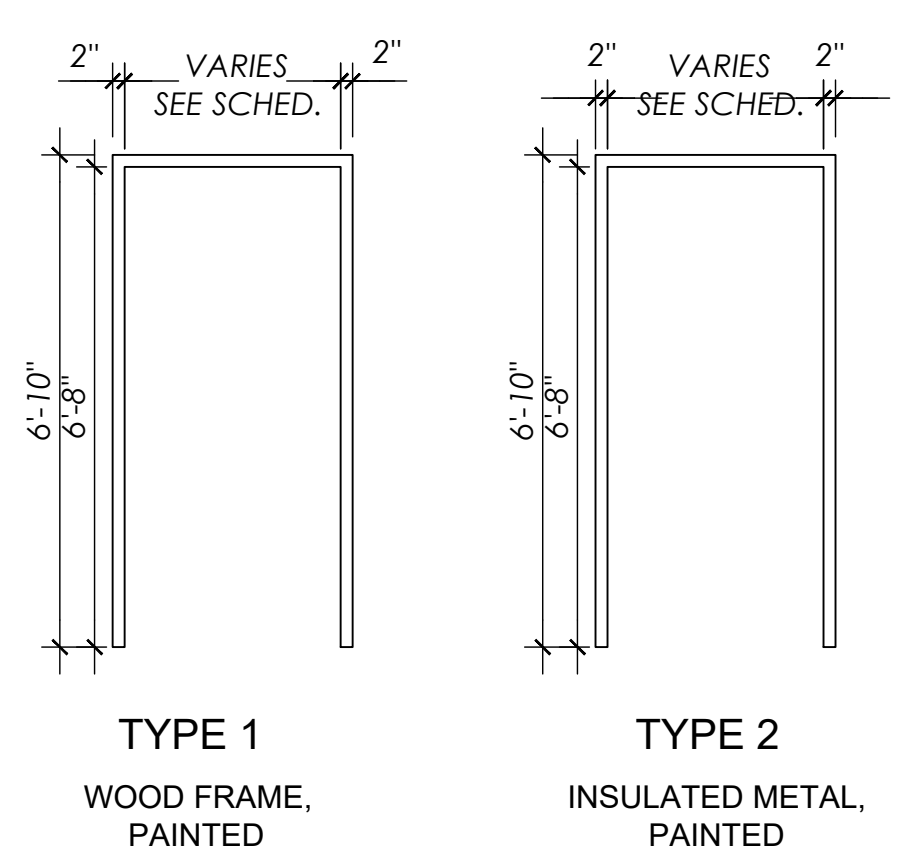
DRAWN BY: CHECKED BY:

Community Building - Door and Frame Schedule																			
LOCATION	DOOR NUMBER	DOOR INFORMATION					FRAME INFORMATION (A7.1)					FRAME DETAILS			MISCELLANEOUS		REMARKS	DOOR NUMBER	
		WIDTH	HEIGHT	THICK	PAIR/SING	TYPE	UL LABEL	MATRL	FINISH	MATRL	ELEV. #	UL LABEL	HEAD	JAMB	THRESH	HARDWARE SET			SIGN NAME
RECEPTION	DC100	3'-0"	8'-0"	1-3/4"	PAIR	DM-1	-	COMPOSITE	PTD	WD	TYPE-1	-	-	-	-	B		DC100	
LEASING OFFICE	DC101A	3'-0"	6'-8"	1-3/4"	SING	DM-2	-	WD	PTD	WD	TYPE-1	-	-	-	-			FULL LIFE CLEAR TEMPERED GLASS DOOR	DC101A
LEASING OFFICE	DC101B	3'-0"	6'-8"	1-3/4"	SING	DM-2	-	WD	PTD	WD	TYPE-1	-	-	-	B			FULL LIFE OPAQUE TEMPERED GLASS DOOR	DC101B
STORAGE	DC102	3'-0"	6'-8"	1-3/4"	SING	DM-3	-	WD	PTD	WD	TYPE-1	-	-	-	E				DC102
BREAK AREA	DC103	3'-0"	8'-0"	1-3/4"	SING	DM-2	-	INS. MTL	PTD	HM	TYPE-2	-	-	-	A				DC103
RESTROOM	DC104	3'-0"	6'-8"	1-3/4"	SING	DM-3	-	WD	PTD	WD	TYPE-1	-	-	-	A				DC104
STORAGE	DC105	3'-0"	6'-8"	1-3/4"	SING	DM-3	-	WD	PTD	WD	TYPE-1	-	-	-	B				DC105
COMMUNITY ROOM	DC106	3'-0"	8'-0"	1-3/4"	PAIR	DM-1	-	COMPOSITE	PTD	WD	TYPE-1	-	-	-	A				DC106
MENS RESTROOM	DC107	3'-0"	6'-8"	1-3/4"	SING	DM-2	-	WD	PTD	TILE	TYPE-1	-	-	-	E			OPAQUE GLASS INSERT-TEMPERED	DC107
WOMENS RESTROOM	DC108	3'-0"	6'-8"	1-3/4"	SING	DM-2	-	WD	PTD	TILE	TYPE-1	-	-	-	E			OPAQUE GLASS INSERT-TEMPERED	DC108
HALL	DC109	3'-0"	6'-8"	1-3/4"	SING	DM-2	-	WD	PTD	WD	TYPE-1	-	-	-	C				DC109
GYM	DC110	3'-0"	8'-0"	1-3/4"	SING	DM-4	-	INS. MTL	PTD	HM	TYPE-2	-	-	-	C			FULL LIFE CLEAR TEMPERED GLASS DOOR	DC110
CLOSET	DC111	3'-0"	6'-8"	1-3/4"	PAIR	DM-3	-	WD	PTD	WD	TYPE-1	-	-	-	A				DC111
STUDENT CENTER	DC112	3'-0"	6'-8"	1-3/4"	PAIR	DM-2	-	WD	PTD	WD	TYPE-1	-	-	-	D				DC112
MECHANICAL	DC113	3'-0"	6'-8"	1-3/4"	SING	DM-5	-	INS. MTL	PTD	HM	TYPE-2	-	-	-	A				DC113

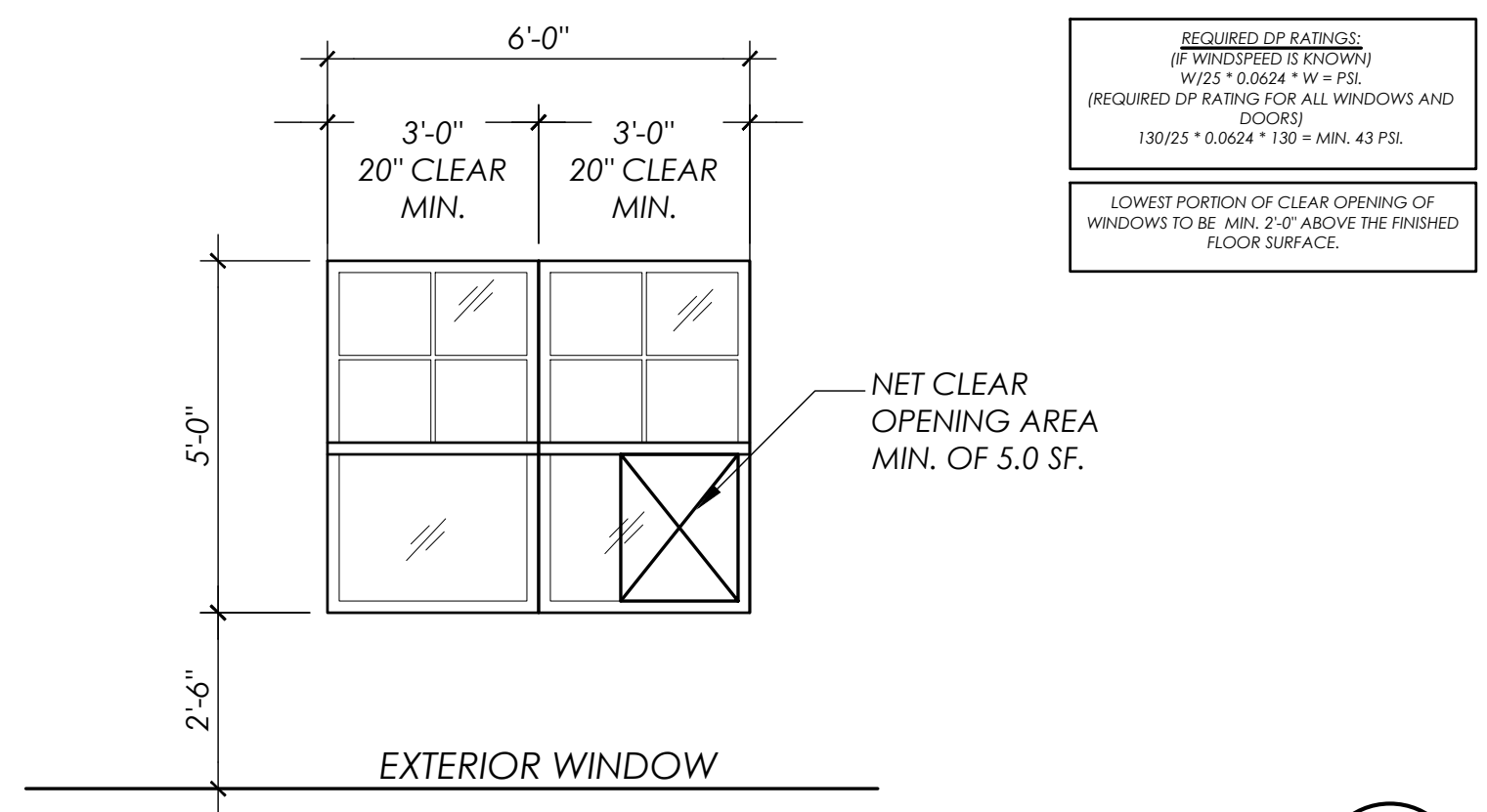
Pool House - Door and Frame Schedule																		
LOCATION	DOOR NUMBER	DOOR INFORMATION					FRAME INFORMATION (A7.1)					FRAME DETAILS			MISCELLANEOUS		REMARKS	DOOR NUMBER
		WIDTH	HEIGHT	THICK	PAIR/SING	TYPE	UL LABEL	MATRL	FINISH	MATRL	ELEV. #	UL LABEL	HEAD	JAMB	THRESH	HARDWARE SET		
MENS RESTROOM	DP100	3'-0"	6'-8"	1-3/4"	SING	DM-5	-	-	PTD	HM	TYPE-2	-	-	-	-	D		DP100
CHEMICAL STORAGE	DP102	3'-0"	6'-8"	1-3/4"	SING	DM-5	-	-	PTD	HM	TYPE-2	-	-	-	E1			DP102
PUMP ROOM	DP103	3'-0"	6'-8"	1-3/4"	SING	DM-5	-	-	PTD	HM	TYPE-2	-	-	-	E1			DP103
WOMENS RESTROOM	DP104	3'-0"	6'-8"	1-3/4"	SING	DM-5	-	-	PTD	MTL	TYPE-1	-	-	-	D			DP104



1A DOOR ELEVATIONS SCALE: 3/8"=1'-0"



1B DOOR FRAME ELEVATIONS SCALE: 3/8"=1'-0"



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

DOOR SCHEDULE NOTES

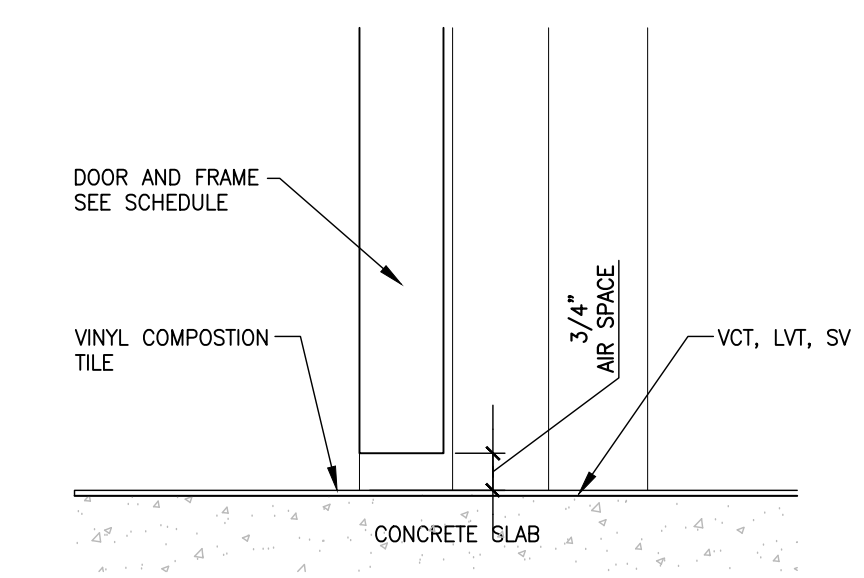
- PROVIDE DOOR STOPS AS NEEDED.
- CLOSERS SHALL BE ADJUSTED TO MAXIMUM FORCE OF 5 POUNDS FOR INTERIOR DOORS, AND CLOSER SPEEDS PER ANSI A117.1 SECTION 404, CLOSERS TO BE LCN 1469 SERIES, OR APPROVED EQUAL.
- ALL HARDWARE FINISH TO BE AGED BRONZE ON ALL INTERIOR DOORS.
- EXTERIOR DOORS FOR FULLY ACCESSIBLE UNITS MUST INCLUDE SPRING HINGES.
- DOORS TO BE PRE-MACHINED FOR LOCKSET AND INCLUDE (3) HINGES.
- VERIFY LOW VOLTAGE REQUIREMENTS WITH SECURITY VENDOR FOR ALL EXTERIOR DOORS.
- PROVIDE LEVER TYPE HARDWARE THROUGHOUT ON ALL DOORS.
- PROVIDE 3/4" AIR SPACE UNDER ALL INTERIOR DOORS MEASURED FROM FINISHED FLOOR FOR AIR CIRCULATION.
- PROVIDE SINGLE LEVER DEADBOLTS AND EYE VIEWERS ON ALL MAIN ENTRY DOORS TO RESIDENTIAL UNITS.
- ALL DOORS W/20 MIN. FIRE RATINGS SHALL HAVE SPRING CLOSERS.
- ACCESSIBLE AUTOMATIC DOOR OPENER IS REQUIRED FOR THE PRIMARY ENTRANCE INTO AND OUT OF ELDERLY CONGREGATE BUILDINGS.

WINDOW SCHEDULE NOTES

- PROVIDE WOOD DEVICES COMPLIANT WITH NCBC 1015.8 ON ALL WINDOWS ABOVE THE FIRST FLOOR OR WHERE EXTERIOR GRADE IS LOWER THAN 7" FROM FIRST FLOOR FFE.
- PROVIDE POSITIVE ACTION LOCKS COMPLIANT WITH REQUIRED ACCESSIBILITY STANDARD AT EACH WINDOW. (ACCESSIBLE UNITS ONLY)

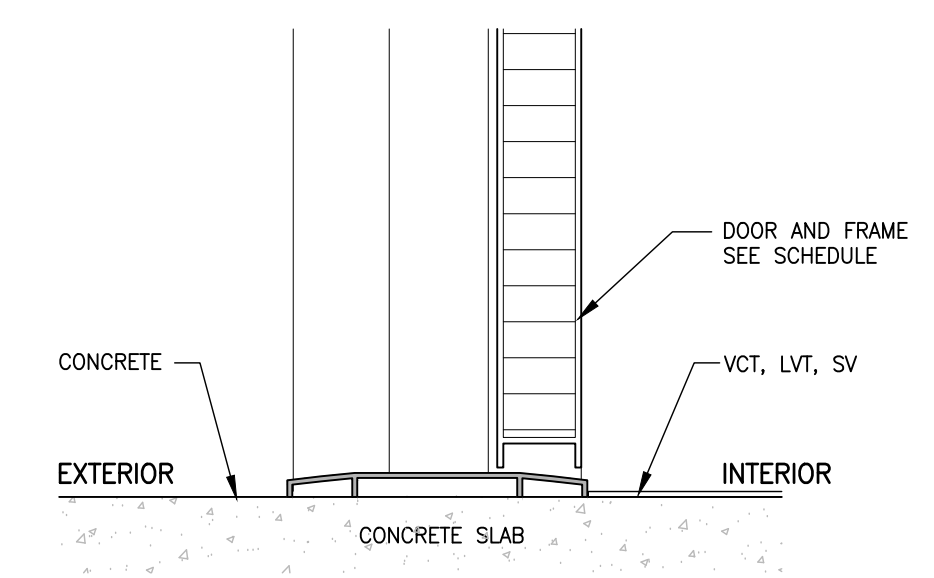
HARDWARE LEGEND

KEY	TYPICAL USE	DESCRIPTION
A	ENTRANCE	TURN/PUSH-BUTTON LOCKING: PUSHING AND TURNING BUTTON LOCKS OUTSIDE LEVER REQUIRING USE OF KEY UNTIL BUTTON IS MANUALLY UNLOCKED. PUSH-BUTTON LOCKING: PUSHING BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED BY KEY OR BY TURNING INSIDE LEVER.
B	OFFICE	PUSH-BUTTON LOCKING: PUSH-BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED WITH KEY OR BY ROTATING INSIDE LEVER.
C	PRIVACY	PUSH-BUTTON LOCKING: CAN BE OPENED FROM INSIDE WITH SMALL SCREWDRIVER TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.
D	PASSAGE	BOTH LEVERS ALWAYS UNLOCKED
E	STORAGE	OUTSIDE LEVER FIXED: ENTRANCE BY KEY ONLY, INSIDE LEVER ALWAYS UNLOCKED
E1	STORAGE	KEYED DEADBOLT ONLY.
F	EXIT ONLY	BLANK PLATE OUTSIDE: INSIDE LEVER ALWAYS UNLOCKED
G	CLOSET	FIXED DUMMY KNOB ON BOTH SIDES OF DOOR. DOOR CANNOT BE LOCKED.



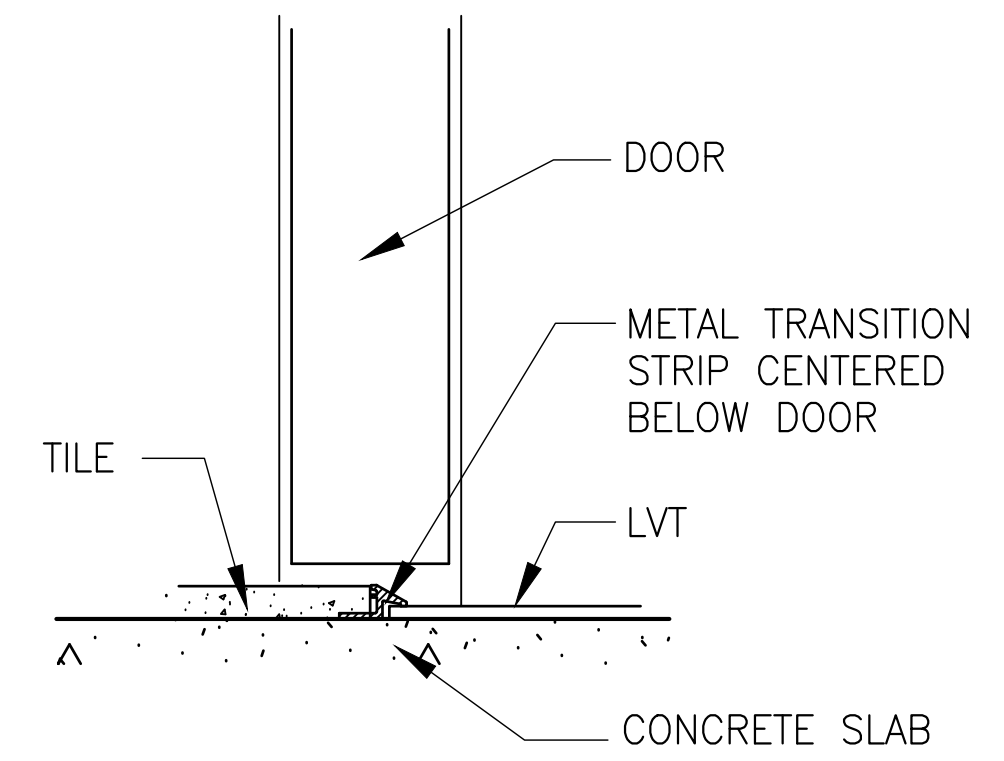
Interior - @ Door

6 THRESHOLD DETAIL- VINYL TO VINYL SCALE: 3"=1'-0"

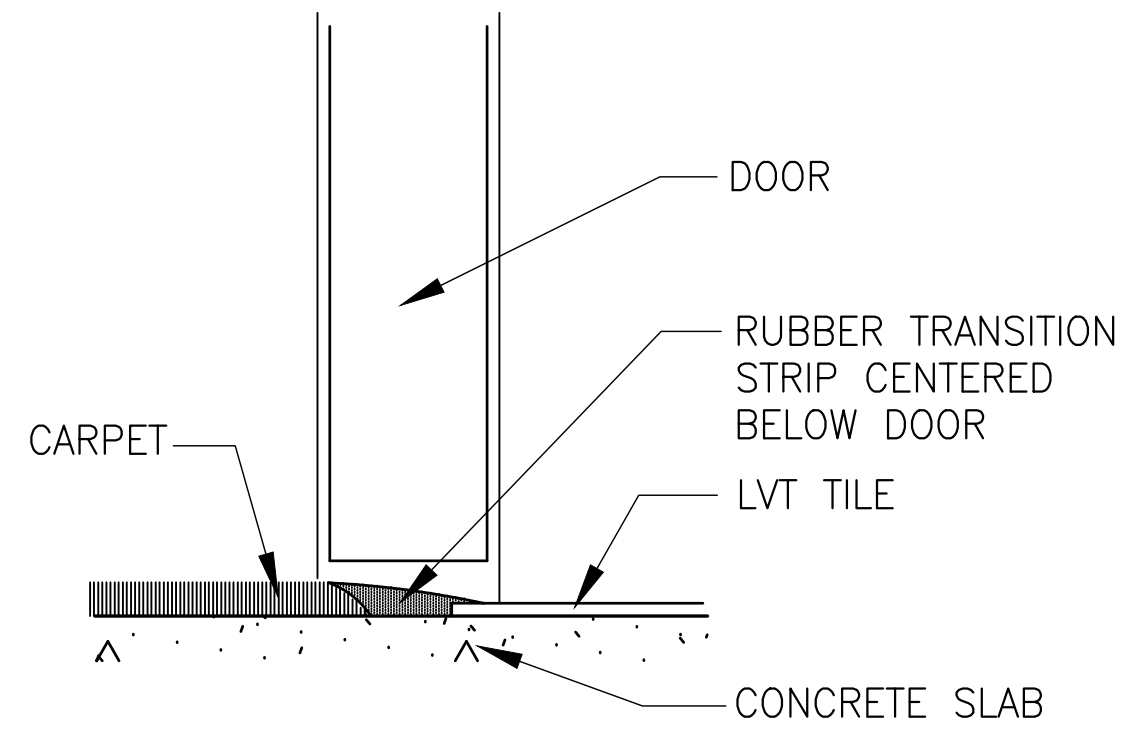


Exterior - @ Door

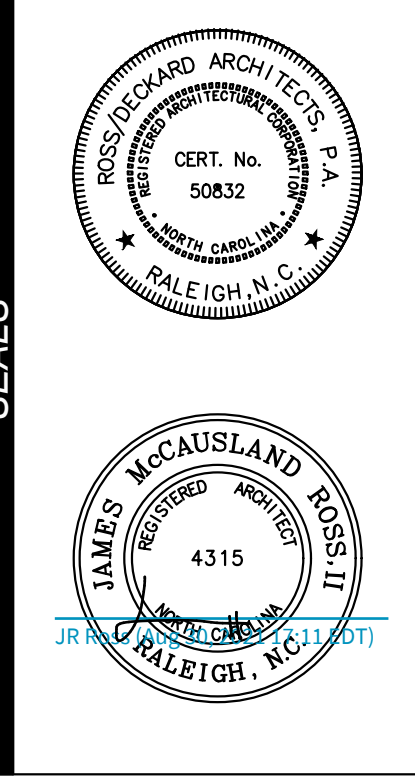
5 THRESHOLD DETAIL- CONC TO VINYL SCALE: 3"=1'-0"



3 THRESHOLD DETAIL- CERAMIC TILE TO LVT SCALE: 3"=1'-0"



4 THRESHOLD DETAIL- CARPET TO VINYL SCALE: 3"=1'-0"



CONSULTANTS

HATCHER CREEK, LLC

COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA

20-530.01

REVISIONS

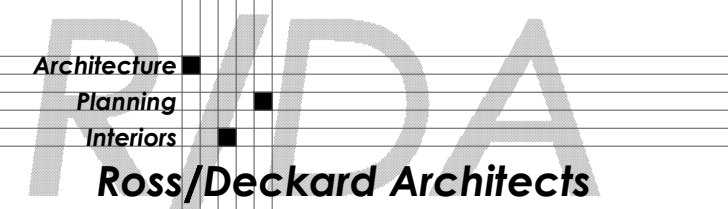
DATE: August 30, 2021
ISSUED FOR: Construction Permit

SET# SP100

DOOR & WINDOW SCHEDULE

A700

DRAWN BY: CHECKED BY:



APPLIANCE DESCRIPTION	MANUFACTURER	MODEL	FINISH
COMMUNITY ROOM KITCHEN:			
<input type="checkbox"/> Kitchen Electric Range (self-cleaning)			
<i>SLIDE IN</i>	GE	CE8700P2MS1	STAINLESS STEEL
<input type="checkbox"/> Range Hood (Energy Star) <i>*Note: special switch wiring as shown on drawings</i>			
	GE	PVX7300SJS	STAINLESS STEEL
<input type="checkbox"/> Refrigerator (Energy Star) <i>Bottom Freezer/ADA</i>			
	GE	PWE23KYNFS	STAINLESS STEEL
<input type="checkbox"/> Dishwasher (Energy Star) <i>ADA</i>			
	GE	PDT15SYNFS	STAINLESS STEEL
<input type="checkbox"/> Microwave-Countertop			
	GE	PE8722SLSS	STAINLESS STEEL

APPLIANCE DESCRIPTION	MANUFACTURER	MODEL	FINISH
OFFICE BREAK ROOM:			
<input type="checkbox"/> Microwave-Countertop			
	GE	PEB9158SJS	STAINLESS STEEL
<input type="checkbox"/> Mini Fridge			
	GE	GME04GLKLB	STAINLESS STEEL

*SUBSTITUTIONS ALLOWED AS APPROVED BY OWNER.

1 APPLIANCE SCHEDULE
SCALE: NTS

FINISH LEGEND

KEY	DESCRIPTION
ACT	ACOUSTICAL CEILING TILE (2x2)
ACTMR	ACOUSTICAL CEILING TILE - MOISTURE RESISTANT (2x2)
ACTEG	ACOUSTICAL CEILING TILE - EXTERIOR GRADE (2x2)
BLINDS	BLINDS - BrG SHUTTERS, 1" VINYL BLINDS
CPT	CARPET
CPTL	CARPET TILE 24x24"
CT	CERAMIC TILE- FLOOR
CT-W	CERAMIC TILE- WALL
GWB	5/8" GYPSUM WALL BOARD
LVT	LUXURY VINYL TILE
VB	VINYL WALL BASE
ME	MATCH EXISTING
MANUF.	MANUFACTURER
P1	WALL PAINT -
P2	TRIM PAINT -
P3	UPPER WALL PAINT -
PL1	PLAM (COUNTERTOP)
PL2	PLAM (CABINETS/BASE)
PTD	PAINTED
RB	RUBBER BASE -
STD	STAINED
T	TEMPERED
VWC	VINYL WALL COVERING
VCT	VINYL COMPOSITION TILE -
WD	WOOD

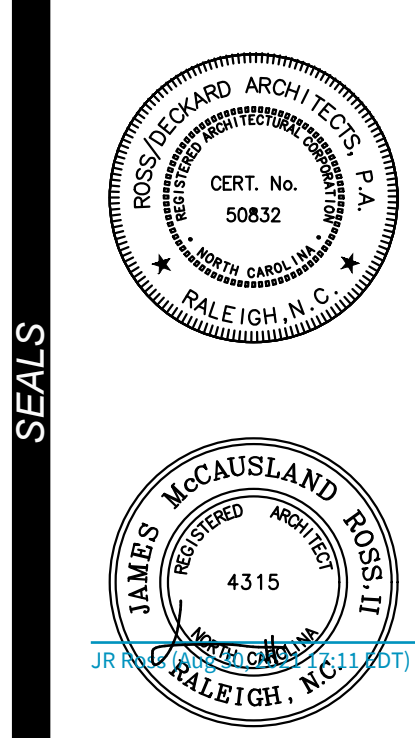
NOTES:
1. SELECTIONS TO BE REVIEWED BY OWNER PRIOR TO PURCHASE/INSTALLATION.
2. PROVIDE SATIN FINISH AT RESTROOM WALL PAINT.

Community Building - Room Finish Schedule

ROOM NAME	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			REMARKS	ROOM NUMBER
		FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	HEIGHT		
C100	RECEPTION	LVT	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C100
C101	LEASING OFFICE	CPTL	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C101
C102	STORAGE	LVT	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C102
C103	BREAK AREA	LVT	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C103
C104	RESTROOM	LVT	TBD	WD	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	SMOOTH PTD	WHITE	10'-0"		C104
C105	STORAGE	VCT	TBD	VB	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C105
C106	COMMUNITY ROOM	LVT	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C106
C107	MENS TOILET ROOM	CT	TBD	CT	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	SMOOTH PTD	WHITE	10'-0"		C107
C108	WOMENS TOILET ROOM	CT	TBD	CT	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	SMOOTH PTD	WHITE	10'-0"		C108
C109	HALL	LVT	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C109
C110	GYM	RB	TBD	WD	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	SMOOTH PTD	WHITE	10'-0"		C110
C111	CLOSET	RB	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C111
C112	STUDENT CENTER	CPTL	TBD	WD	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C112
C113	MECHANICAL	VCT	TBD	VB	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	PTD EGGSHELL	TBD	SMOOTH PTD	WHITE	10'-0"		C113
C114	MAIL CENTER	SEALED CONCRETE	-	-	-	SIDING		SIDING		SIDING		SIDING		SMOOTH PTD	WHITE	10'-0"		C114
NOTES:																		

Pool House - Room Finish Schedule

ROOM NAME	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			REMARKS	ROOM NUMBER
		FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	HEIGHT		
P100	MENS RESTROOM	CT	TBD	CT	TBD	CT-W	TBD	CT-W	TBD	CT-W	TBD	CT-W	TBD	SMOOTH PTD	WHITE	10'-0"		P100
P101	SHOWER	CT	TBD	CT	TBD	CT-W	TBD	CT-W	TBD	CT-W	TBD	CT-W	TBD	CT	TBD	10'-0"		P101
P102	CHEMICAL STORAGE	SEALED CONCRETE	-	RB	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	SMOOTH PTD	WHITE	10'-0"		P102
P103	PUMP ROOM	SEALED CONCRETE	TBD	RB	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	PTD SEMI GLOSS	TBD	SMOOTH PTD	WHITE	10'-0"		P103
P104	WOMENS RESTROOM	CT	TBD	CT	TBD	CT-W	TBD	CT-W	TBD	CT-W	TBD	CT-W	TBD	SMOOTH PTD	WHITE	10'-0"		P104
P105	COVERED PICNIC AREA	SEALED CONCRETE	-	-	-	-	-	-	-	-	-	-	-	-	-	-		P105
NOTES:																		



SEALS
CONSULTANTS

HATCHER CREEK, LLC
COMM BLDG & POOL HOUSE @ THE GROVES AT 421 LILLINGTON, NORTH CAROLINA
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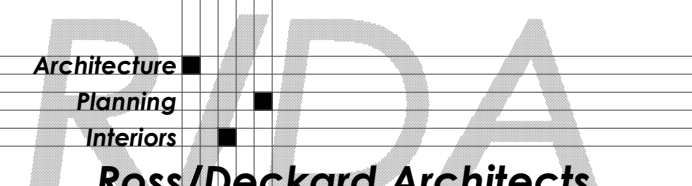
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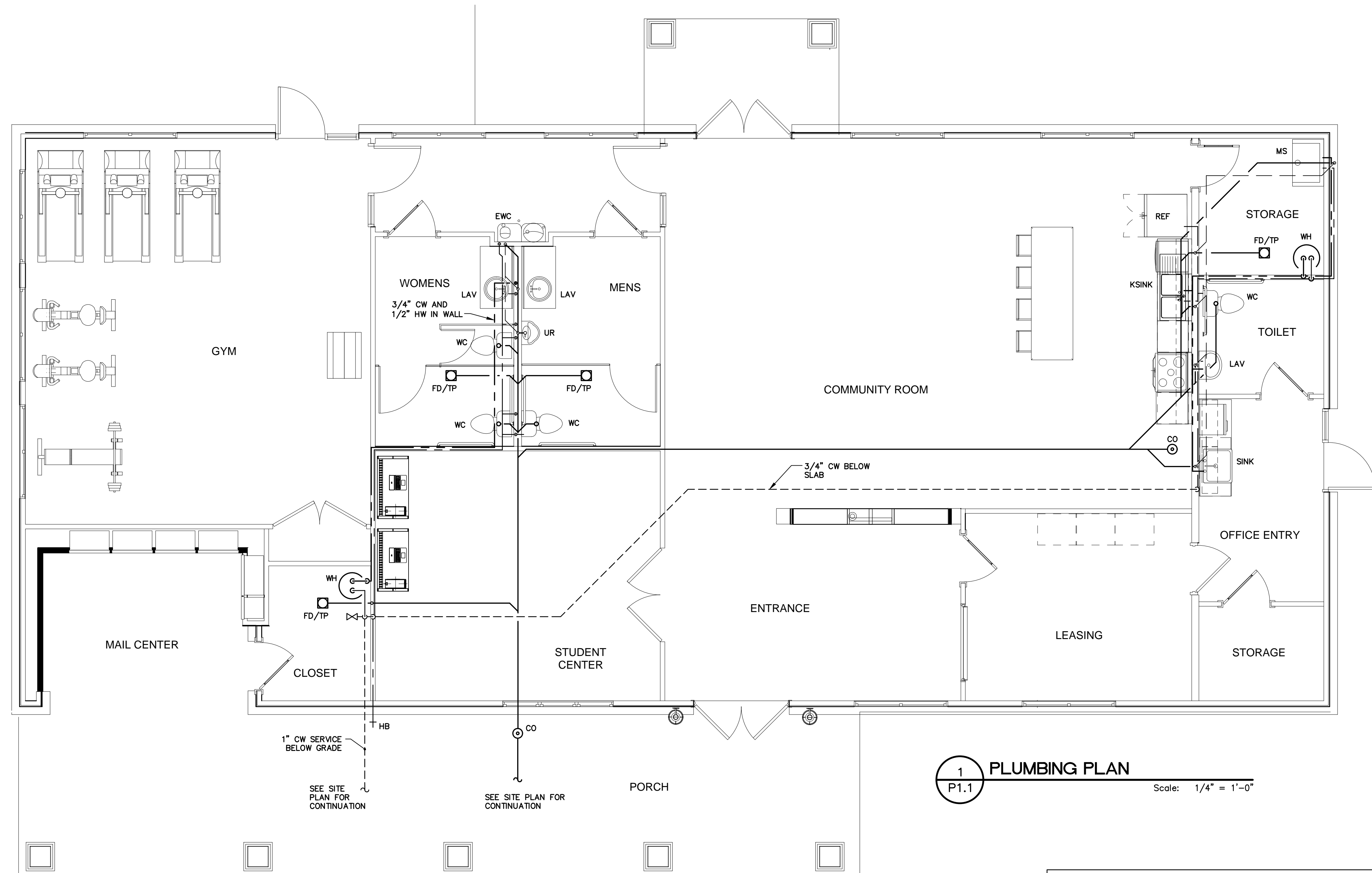
SET# **SP100**

SHEET FINISH SCHEDULES & SIGNAGE

A710

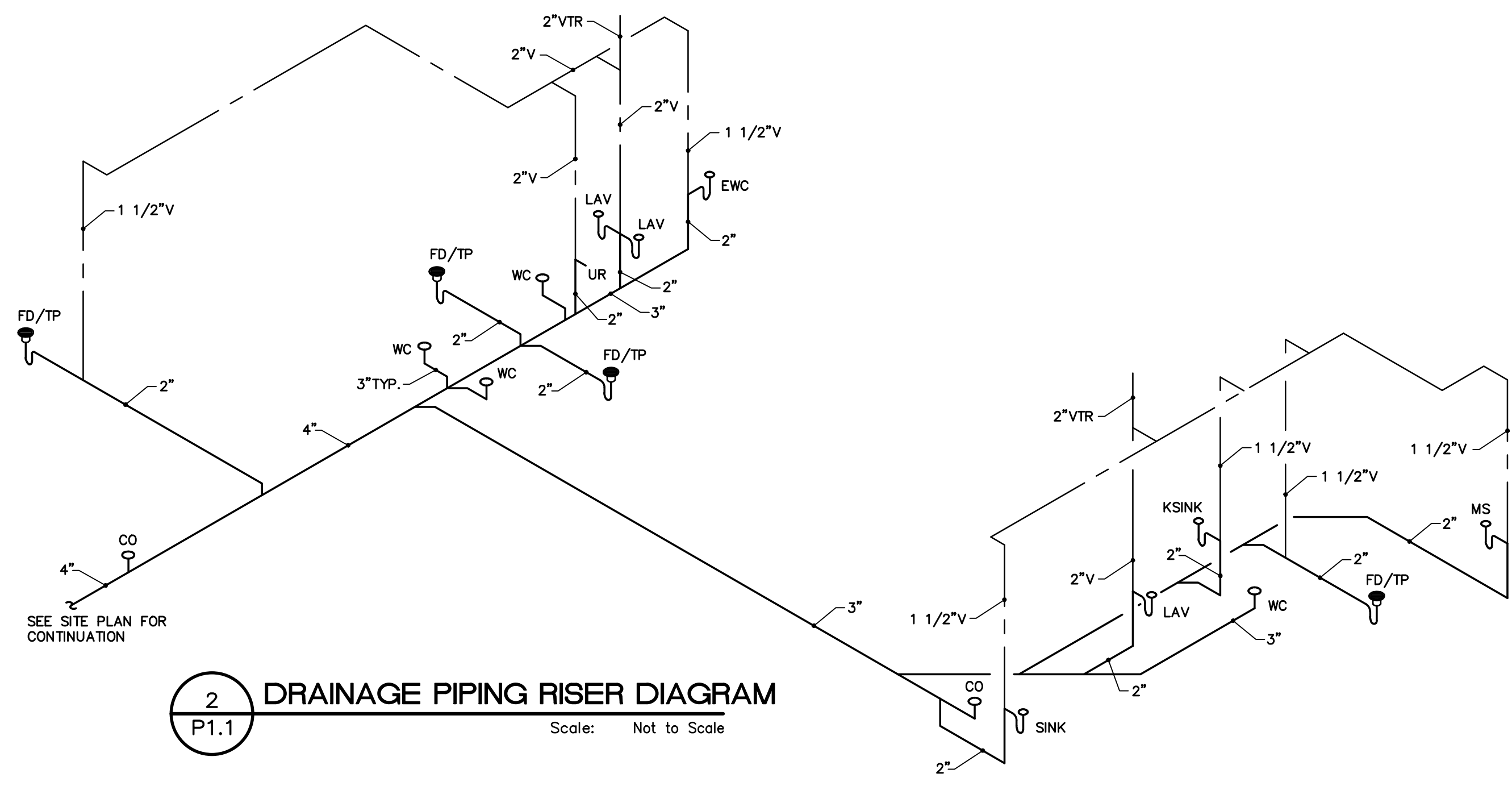
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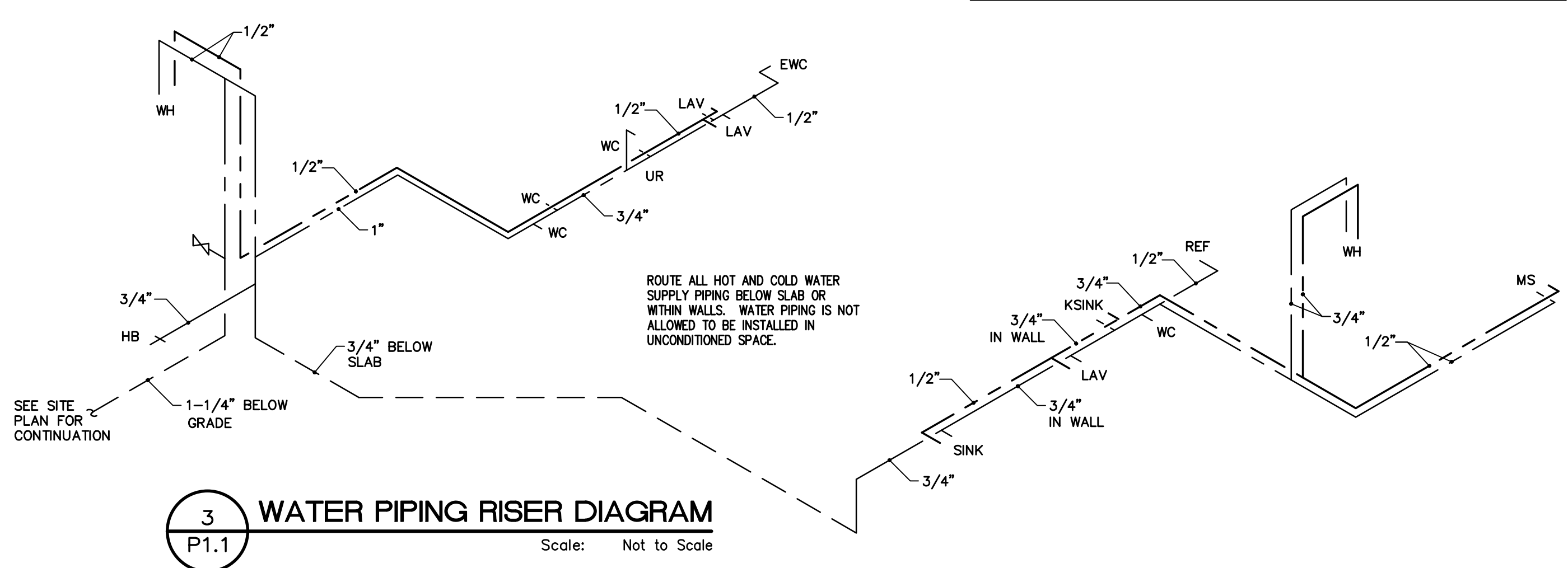


1 PLUMBING PLAN
Scale: 1/4" = 1'-0"

PLUMBING LEGEND			
	WASTE PIPE		FLOOR DRAIN
	VENT PIPE		GATE VALVE
	COLD WATER PIPE		CHECK VALVE
	HOT WATER PIPE		BACKFLOW PREVENTER
	V.T.R. VENT THROUGH ROOF		



2 DRAINAGE PIPING RISER DIAGRAM
Scale: Not to Scale



3 WATER PIPING RISER DIAGRAM
Scale: Not to Scale



4/19/21

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PROJECT
The Grove

Lillington,
North Carolina

20-530.00

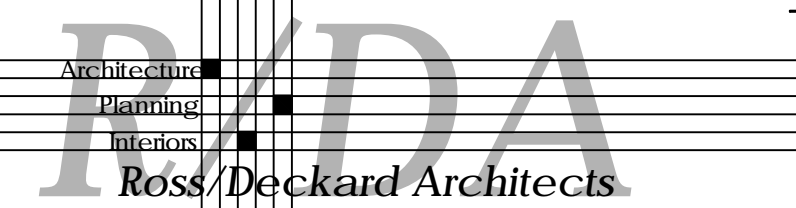
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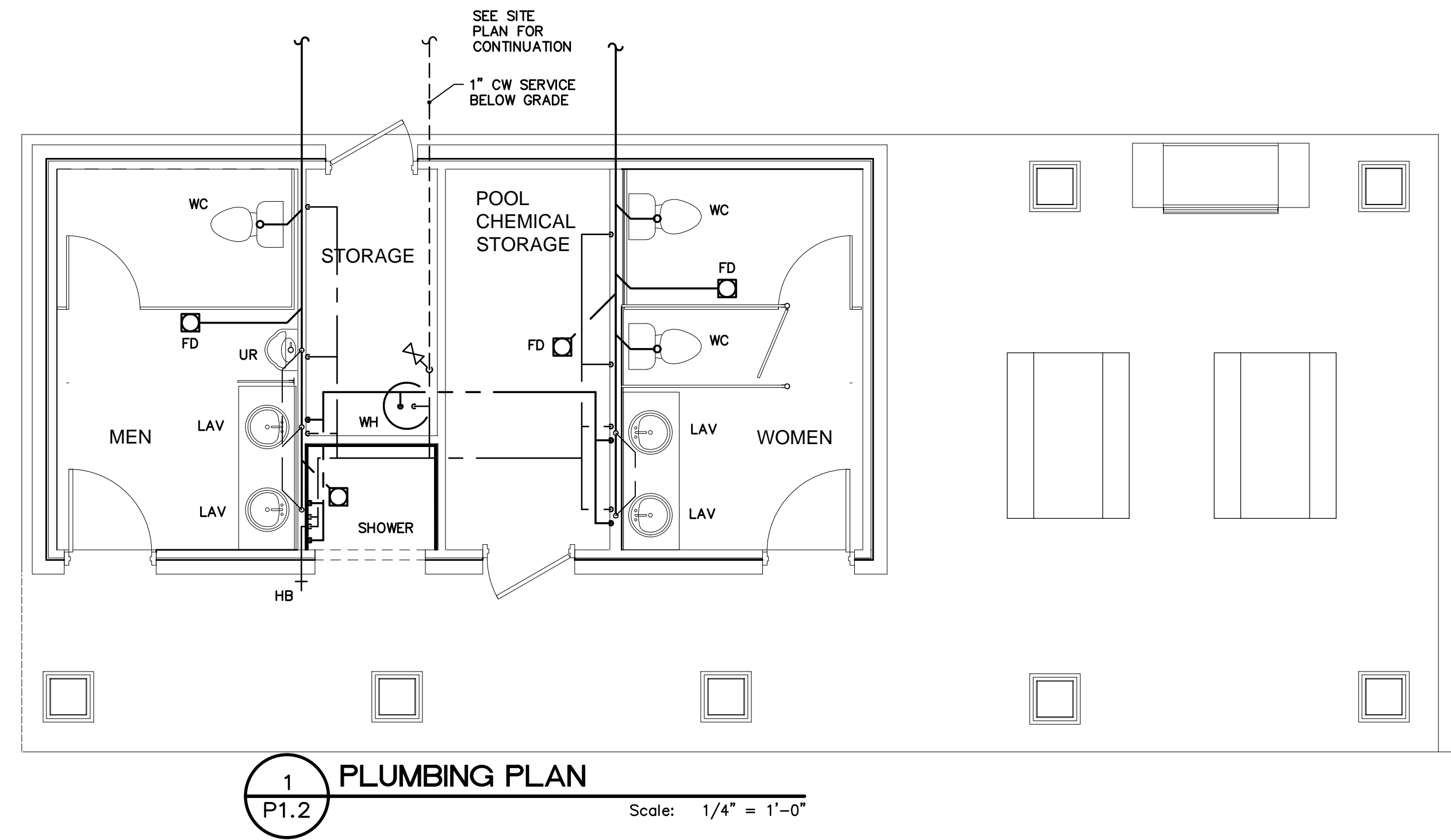
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SET#
SP100

SHEET
Community Building
Plumbing Plan

P1.1

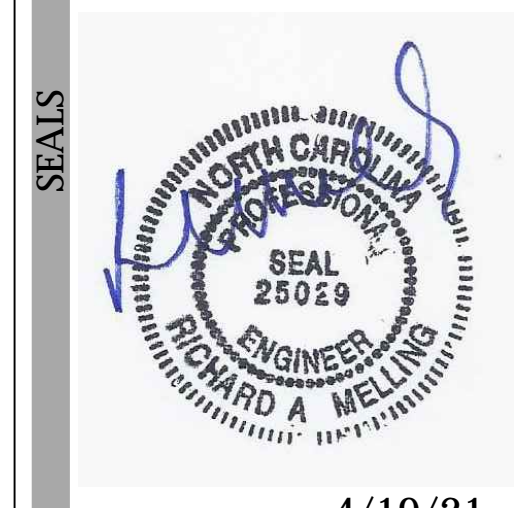




1
P1.2 PLUMBING PLAN
Scale: 1/4" = 1'-0"

COMMUNITY BUILDING PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE — PROVIDE THESE FIXTURES OR EQUAL APPROVED BY ENGINEER AND OWNER	WASTE	COLD WATER	HOT WATER	REMARKS
WC	AMERICAN STANDARD CADET 3 RIGHT HEIGHT ADA 16 1/2" ELONGATED TOILET, WATERSENSE RATED, 1.28 GPF, SIPHON ACTION, WHITE, WITH CHURCH #130TT CLOSED FRONT PLASTIC SEAT AND COVER.	3"	1/2"	—	PROVIDE STOP VALVE
UR	AMERICAN STANDARD WASHBROOK 6590.001, 0.125 GPF URINAL WITH CONCEALED ARM SUPPORT CARRIER. SLOAN 186-0.125 MANUAL FLUSH VALVE.	2"	3/4"	—	
LAV	AMERICAN STANDARD LUCERNE 0355.012, WALL MOUNTED CHINA LAVATORY WITH WALL HANGER, WHITE. MOEN ADLER WS84503, 1.2 GPM, WATERSENSE RATED, SINGLE HANDLE FAUCET WITH POP-UP DRAIN FITTING.	2"	1/2"	1/2"	PROVIDE PRE-MOLDED INSULATION PIPE PROTECTION COVER FOR HW/CW/WASTE PIPING.
KSINK	ELKAY GEOR3321, 33"x21"x5-3/8 DEEP, 20 GAUGE STAINLESS STEEL, DOUBLE BOWL SINK WITH SOUND DEADENING PAD. SINK DRAINS SHALL BE OFFSET TOWARD THE BACK OF THE SINK. MOEN CHATEAU 7430 SINGLE HANDLE, 1.5 GPM FAUCET WITH SPRAYER, CHROME FINISH.	2"	1/2"	1/2"	MOUNT IN CABINET W/ COUNTERTOP FURNISHED BY OTHERS. PROVIDE PRE-MOLDED INSULATION PIPE PROTECTION COVER FOR HW/CW/WASTE PIPING.
SINK	ELKAY GEOR2521, 25"x21"x5-3/8 DEEP, 20 GAUGE STAINLESS STEEL, SINGLE BOWL SINK WITH SOUND DEADENING PAD. SINK DRAIN SHALL BE OFFSET TOWARD THE BACK OF THE SINK. MOEN CHATEAU 7430 SINGLE HANDLE, 1.5 GPM FAUCET WITH SPRAYER, CHROME FINISH.	2"	1/2"	1/2"	MOUNT IN CABINET W/ COUNTERTOP FURNISHED BY OTHERS. PROVIDE PRE-MOLDED INSULATION PIPE PROTECTION COVER FOR HW/CW/WASTE PIPING.
SHOWER (AT POOL)	SHOWER BUILT AND TILED IN THE FIELD, WITH CENTER DRAIN. CFG MODEL 45312 PRESSURE BALANCED MIXING VALVE WITH STOPS AND CFG MODEL 40311 SINGLE HANDLE CONTROL WITH WATERSENSE RATED 1.75 GPM SHOWER HEAD.	2"	1/2"	1/2"	
MS	MOP SINK, FIAT MSB-2424 MOLDED STONE MOP BASIN, FIAT 830-AA WALL MOUNTED UTILITY FAUCET WITH WALL BRACE, PAIL HOOK, AND VACUUM BREAKER.	2"	1/2"	1/2"	
WH (2 REQD.)	WATER HEATER, A.O. SMITH MODEL EJCS-20, 20 GALLON CAPACITY, 2500W, 120V.	—	3/4"	3/4"	PROVIDE T&P VALVE, ROUTE DRAIN TO LOCAL FLOOR DRAIN.
WH (POOL)	WATER HEATER, A.O. SMITH MODEL ENT-40, 40 GALLON CAPACITY, 4500W, 240V, 0.92 UEF.	—	3/4"	3/4"	PROVIDE T&P VALVE, ROUTE DRAIN TO LOCAL FLOOR DRAIN.
MV	WATTS LFMMVM ASSE 1070 POINT OF USE MIXING VALVE, SET AT 110 DEGREES FOR PUBLIC LAVATORY.	—	1/2"	1/2"	
HB	WOODFORD MODEL 17, FREEZEPROOF ANTI-SIPHON WALL HYDRANT, BRASS FINISH, PROVIDE "TEE" KEY HANDLE.	—	3/4"	—	MOUNT IN EXTERIOR WALL 24" A.F.F.
FD/TP	FLOOR DRAIN — ZURN MODEL Z453B, WITH DEEP SEAL TRAP AND 5" STRAINER, AND TRAP PRIMER.	3"	—	—	
EWC	ELECTRIC WATER COOLER — ELKAY MODEL EZTLBC (ADA COMPLIANT) STAINLESS STEEL TOP, FRONT PUSH HANDLES, 120V, 370W	1 1/2"	1/2"	—	PROVIDE STANDARD DRAIN CONNECTION W/ P-TRAP



4/19/21

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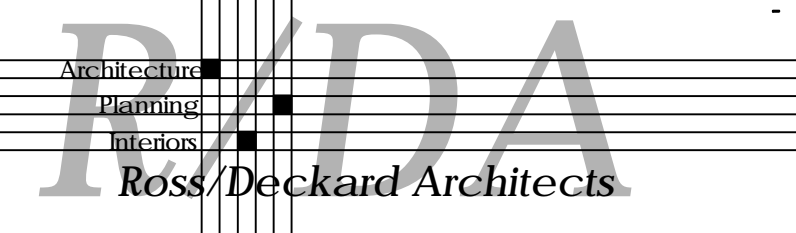
PROJECT
The Grove
 Lillington,
 North Carolina
 # 20-530.00

REVISIONS
 DATE: April 21, 2021
 ISSUE FOR: Permit/Construction

SET# **SP100**

SHEET **Pool Building Plumbing Plan**

P1.2





4/19/21

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PROJECT
 The Grove

Lillington, North Carolina

20-530.00

REVISIONS

DATE
 DATE: April 21, 2021
 ISSUE FOR: Permit/Construction

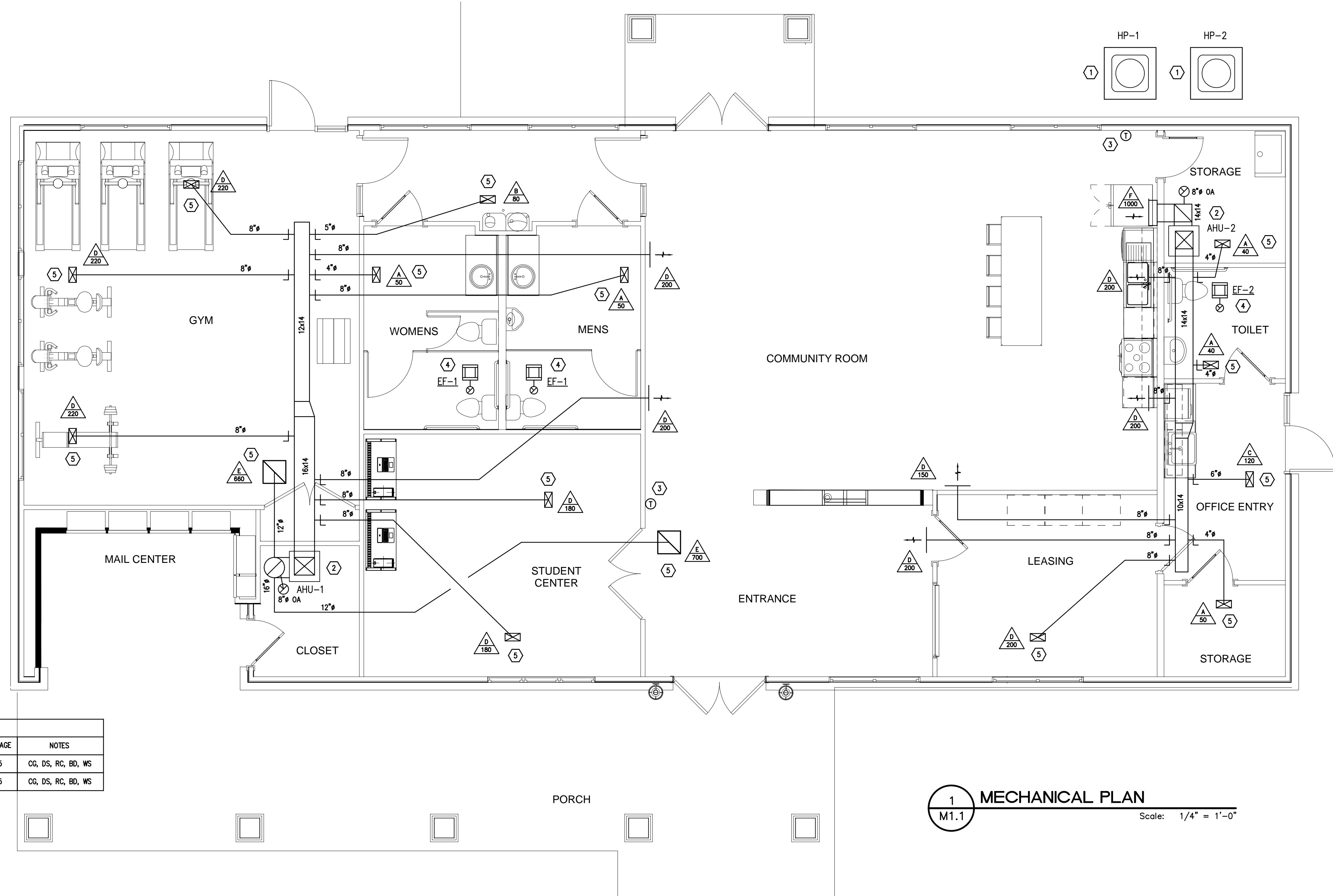
SET#
SP100

SHEET
 Community Building
 and Pool Building
 Mechanical Plans

M1.1

MECHANICAL SYMBOLS

- A.F.F. ABOVE FINISHED FLOOR
- BRANCH DUCT WITH DAMPER
- THERMOSTAT
- SUPPLY DUCT SECTION
- RETURN OR EXHAUST DUCT SECTION
- REFRIGERANT LIQUID LINE
- REFRIGERANT SUCTION LINE
- CONDENSATE DRAIN
- PIPE TURN DOWN
- PIPE TURN UP
- AIR DEVICE
- AIR DEVICE DESIGNATION

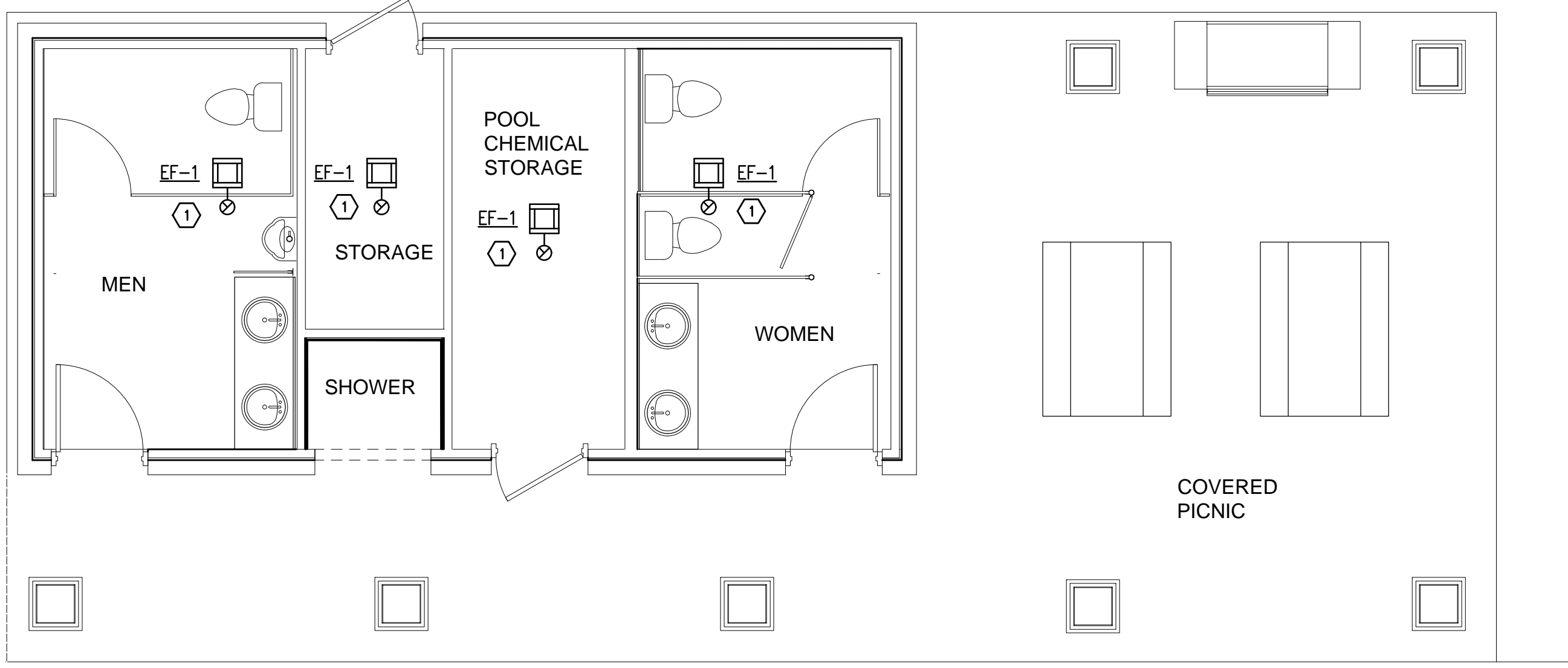


1 MECHANICAL PLAN
 Scale: 1/4" = 1'-0"

FAN SCHEDULE

MARK	SERVICE	TYPE	TYP. MFG. & CAT. NO.	CFM	S.P.	DRIVE	MOTOR	VOLTAGE	NOTES
EF-1	BATHROOMS, POOL MACHINE ROOM	CEILING CABINET	BROAN QT1E150	150	.25	DIRECT	135W	115	CG, DS, RC, BD, WS
EF-2	TOILET	CEILING CABINET	BROAN QT1E80	80	.125	DIRECT	60W	115	CG, DS, RC, BD, WS

CG CEILING GRILLE RC PITCHED ROOF CAP WS WALL SWITCH
 WC WALL CAP BD BACKRAFT DAMPER BS BIRD SCREEN
 DS DISCONNECT SWITCH LS INTERCONNECT W/LIGHT TSTAT THERMOSTAT



2 MECHANICAL PLAN
 Scale: 1/4" = 1'-0"

SPLIT SYSTEM HEAT PUMP SCHEDULE

HEAT PUMP										AIR HANDLING UNIT							
MARK	MODEL NO. (GOODMAN)	VOLT/PH	MCA	MOCP	TOTAL COOLING CAPACITY	SEER	TOTAL HEATING CAPACITY	HSPF	MARK	MODEL NO. (GOODMAN)	FAN S.A.	FAN O.A.	SUPP. HEAT @ 240V	S.P.	VOLT/PH	MCA	MOCP
HP-1	GSZ140481K	240V/1#	24.6	40	48,000	15	44,000	8.5	AHU-1	ASPT49D14A	1600	300	0.5	10 KW	240V/1#	56	60
HP-2	GSZ140361K	240V/1#	20.2	35	36,000	15	34,000	8.5	AHU-2	ASPT36D14A	1200	200	0.5	8 KW	240V/1#	42	50

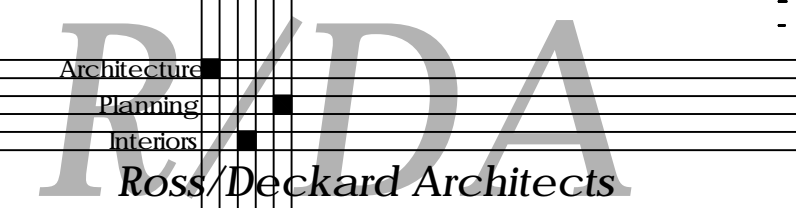
NOTE: PROVIDE CONTROLS TO PREVENT AUXILIARY HEATING FROM RUNNING WHEN EXTERIOR TEMP IS ABOVE 40 DEGREES.

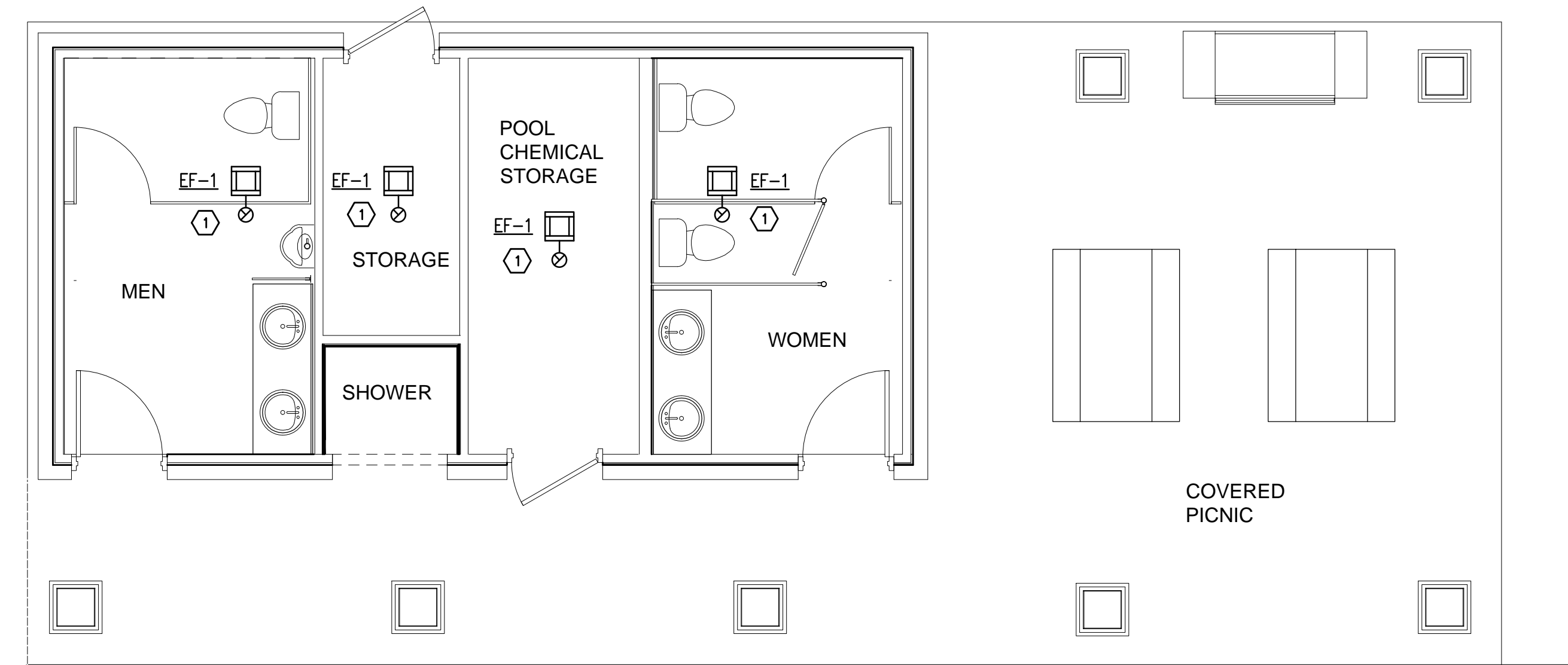
AIR DEVICE SCHEDULE

MARK	DESCRIPTION	SIZE NECK	MOUNTING	MATERIAL	COLOR	THROW	ACCESSORIES	TYPICAL CAT. NO. (HART & COOLEY)	REMARKS
A	CEILING REGISTER	8x6	CEILING MOUNTED	STEEL	WHITE	2-WAY	MULTI-SHUTTER VALVE	661	
B	CEILING REGISTER	10x6	CEILING MOUNTED	STEEL	WHITE	2-WAY	MULTI-SHUTTER VALVE	661	
C	CEILING REGISTER	12x6	CEILING MOUNTED	STEEL	WHITE	2-WAY	MULTI-SHUTTER VALVE	661	
D	CEILING REGISTER	14x6	CEILING MOUNTED	STEEL	WHITE	2-WAY	MULTI-SHUTTER VALVE	661	
E	RETURN AIR GRILLE	20x20	CEILING MOUNTED	STEEL	WHITE	-	-	659	BOTTOM HINGED FACED
F	RETURN AIR GRILLE	30x40	CEILING MOUNTED	STEEL	WHITE	-	-	659	BOTTOM HINGED FACED

PLAN NOTES:

- 1 PROVIDE OUTDOOR HEAT PUMP UNIT ON CONCRETE PAD. MAINTAIN MINIMUM CLEARANCE AT SIDES AND SERVICE END OF UNIT AS RECOMMENDED BY MANUFACTURER.
- 2 PROVIDE AIR HANDLING UNIT WITH REFRIGERANT PIPING DOWN IN EXTERIOR WALL AND OUT FOR CONNECTION TO HEAT PUMP AT 12" ABOVE GRADE. INSTALL REFRIGERANT PIPING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE OUTSIDE AIR DUCT FROM ROOF TO RETURN AIR DUCT. PROVIDE 3/4" PVC CONDENSATE DRAIN WITH SAF-T-SWITCH OVERFLOW SWITCH TO FLOOR DRAIN OR TO EXTERIOR.
- 3 PROVIDE PROGRAMMABLE THERMOSTAT WITH AUTOMATIC NIGHTTIME SETBACK AND AUTO CHANGEOVER CAPABILITY. PROVIDE MINIMUM 18 AWG COPPER MULTI-WIRE CABLE FROM THERMOSTAT TO HEAT PUMP AND AIR HANDLER. ALL WIRING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- 4 PROVIDE BATHROOM EXHAUST FAN WITH 6" DUCT TO ROOF EXHAUST CAP WITH BACKRAFT DAMPER.
- 5 LOCATE SUPPLY AIR DIFFUSERS IN CEILING. SUPPORT DIFFUSER HOUSING USING 2x4 WOOD BLOCKING AS RECOMMENDED BY THE MANUFACTURER. FACE OF DIFFUSER SHALL FIT NEATLY INTO HOUSING AND SIT FLUSH WITH CEILING. MOUNT DIFFUSER 1'-4" FROM WALL UNLESS OTHERWISE NOTED.





1
M1.2 MECHANICAL PLAN
Scale: 1/4" = 1'-0"

PLAN NOTES:

- 1 PROVIDE BATHROOM EXHAUST FAN WITH 6" DUCT TO ROOF EXHAUST CAP WITH BACKDRAFT DAMPER.



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 Mechanical Plan

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10/12/21

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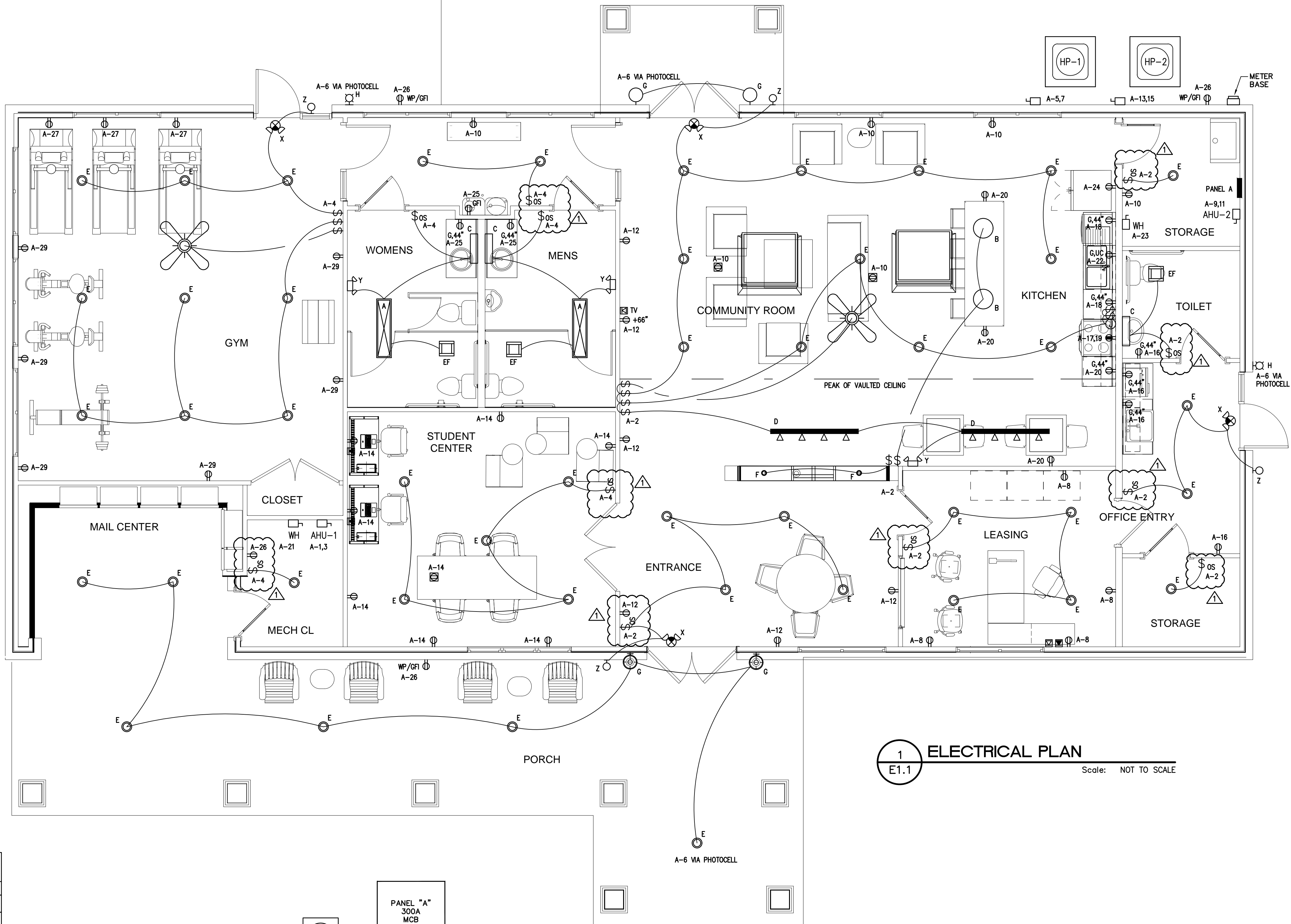
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 Community Building
 Electrical Plan

E1.1



ELECTRICAL SYMBOLS

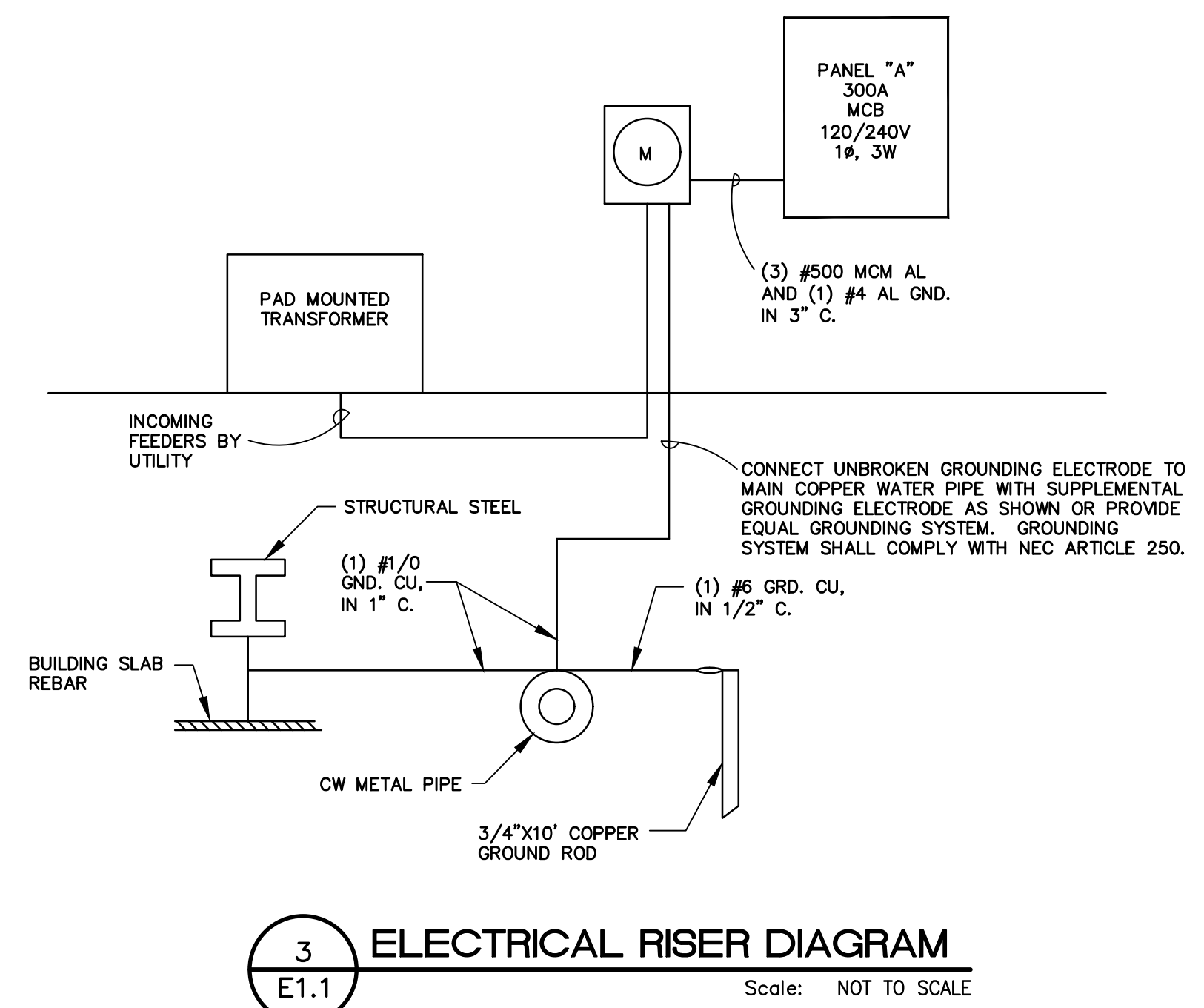
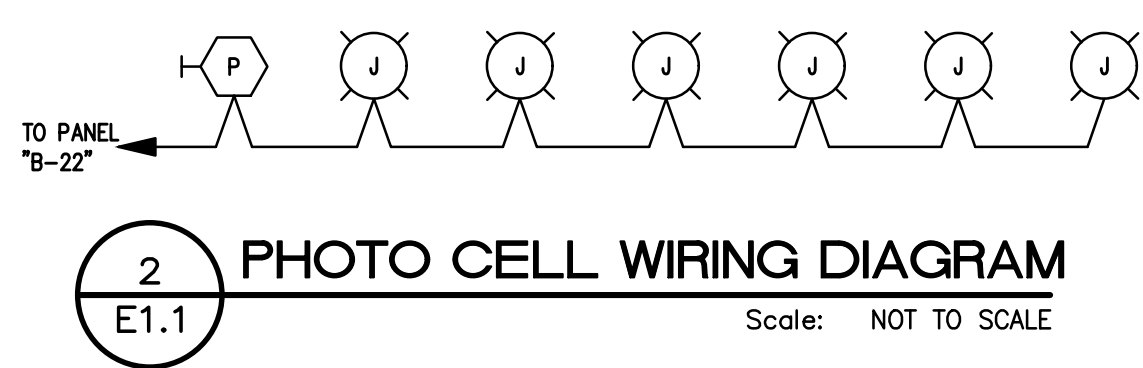
- ⏏ SINGLE-POLE WALL SWITCH 48" TO TOP UNO
- ⏏_{OS} OCCUPANCY SENSOR WALL SWITCH 48" TO TOP UNO
- ⏏ ELECTRICAL EQUIPMENT OR SERVICE DISCONNECT SWITCH
- ⏏ TYPICAL EXHAUST FAN (REFER TO MECHANICAL FOR TYPE)
- ⏏ 120V DUPLEX RECEPTACLE 16" TO BOTTOM UNO
- ⏏ 240V DUPLEX RECEPTACLE
- ⏏_G 120V DUPLEX RECEPTACLE WITH GFCI PROTECTION
- ⏏_{WP} 120V DUPLEX RECEPTACLE WITH WEATHERPROOF COVER
- ⏏ 120V DUPLEX FLOOR RECEPTACLE WITH COVER
- ⏏ TELEPHONE JACK 16" TO BOTTOM UNO
- ⏏ DATA PORT 16" TO BOTTOM UNO
- ⏏ JUNCTION BOX WITH BLANK COVER
- ⏏ CEILING MOUNTED SMOKE ALARM
- ⏏ PANELBOARD
- ⏏ UTILITY SERVICE METER
- ⏏ PHOTOCELL

GENERAL NOTES

1. PROVIDE DISCONNECTS AT AHU, HP, AND WH. WIRE VA FLEX CONDUIT TO EQUIPMENT CONNECTION AT DEVICE PER MANUFACTURER'S INSTRUCTIONS.
2. CONTRACTOR TO FURNISH AND INSTALL FAN CONTROL LIGHT SWITCH FOR EACH CEILING FAN.
3. INSTALL RECEPTACLES, SWITCHES, PANELS, ETC. WITHIN REACH RANGES AS SPECIFIED BY ICC/ANSI 117.1-2017.

LIGHTING FIXTURE SCHEDULE

SYMBOL	MARK	MANUFACTURER	CATALOG NUMBER	LAMP(S)	DESCRIPTION	WATTS
⏏	A	LITHONIA	STL4 20L LP835	LED	SURFACE MOUNT	20
○	B	HINKLEY	VANCE 41047SK	(1) 100W	PENDANT	100
⏏	C	KICHLER	45972NI	(2) 9.5W LED	WALL MOUNT	19
⏏	D	JUNO	6' T-TRAC	(4) R600L	TRACK LIGHTING	40
○	E	PARMIDA	PLED-DISK5/6	15W LED	SURFACE MOUNT	15
○	F	JUNO	4RLS	10W LED	SURFACE MOUNT	10
○	G	HINKLEY	BAINBRIDGE 29440Z	(1) 100W	SURFACE MOUNT	100
⏏	H	HINKLEY	LUNA 1661BZ	7.5W LED	WALL MT, WET LOC	7.5
⏏	-	CRAFTMADE	TMPH52BNK5	NONE	CEILING FAN WITHOUT LIGHT	65
⏏	X	LITHONIA	ECG LED M6	LED	COMBO EX/EMERG	4
⏏	Y	LITHONIA	EU2 LED M12	LED	SURFACE MOUNT	3
⏏	Z	LITHONIA	ELMRE SP640L	LED	SURFACE MOUNT	6



PANELBOARD LOAD SUMMARY - PANEL A

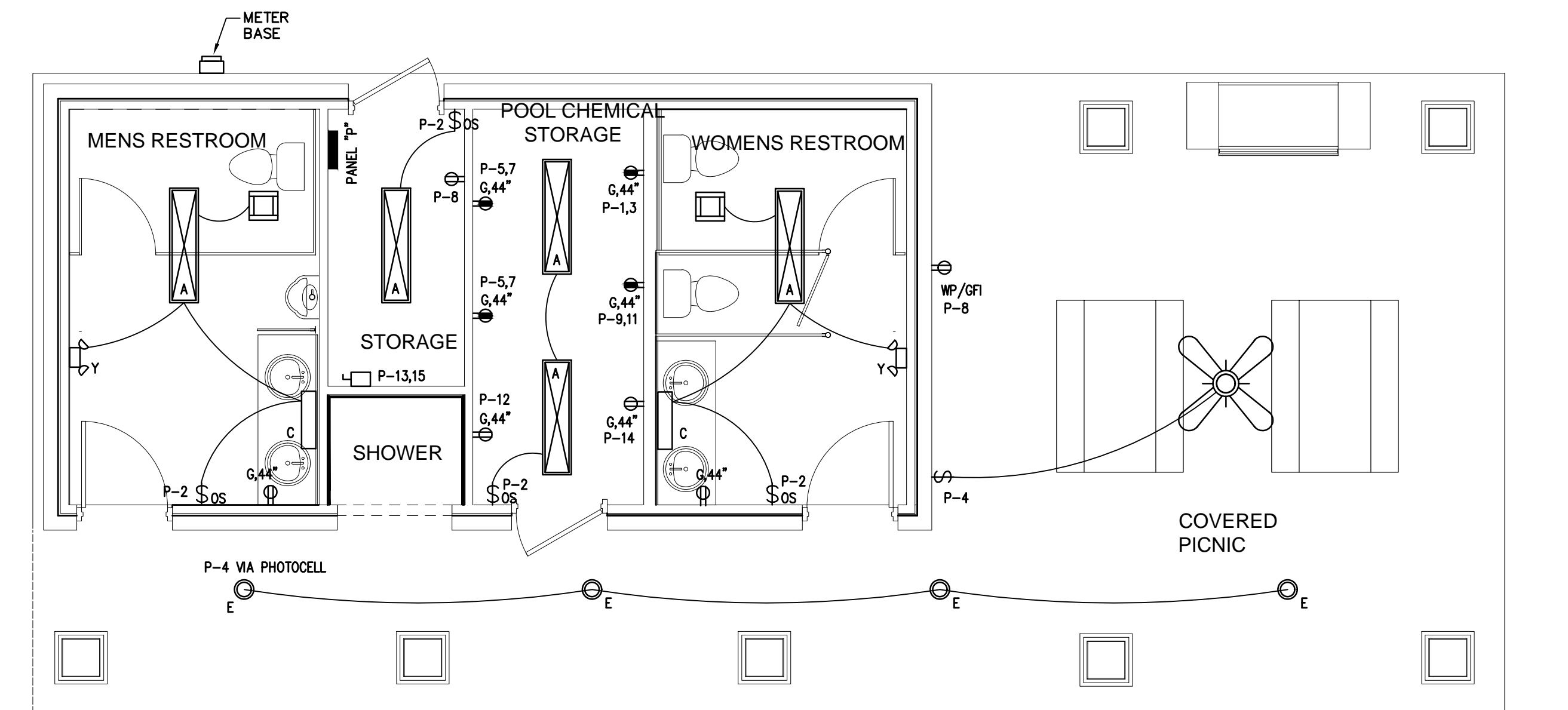
LOAD	CIRCUIT		CONDUIT SIZE (INCH)	GND SIZE (AWG)	NEUT SIZE (AWG)	WIRE SIZE (AWG)	BRKR RAT. (AMP)	CKT NO.	S/N	CIRCUIT		LOAD
	A	B								A	B	
5.00		AIR HANDLER AHU-1	4	4	4	60	1	2	15	14	14	0.30
5.00		HOT PUMP HP-1	8	8	8	40	5	4	15	14	14	0.30
3.60	3.60	AIR HANDLER AHU-2	6	6	6	50	8	6	15	14	14	0.10
4.00	4.00	HOT PUMP HP-2	8	8	8	35	11	8	20	12	12	1.44
3.00	3.00	RANGE	8	8	8	15	11	10	20	12	12	1.44
4.00	4.00	WATER HEATER	10	10	10	30	21	12	20	12	12	1.50
2.50	2.50	BATHROOM RECEPS AND EWC	12	12	12	20	25	14	20	12	12	0.98
1.44	0.90	FITNESS RECEPS	12	12	12	20	27	16	20	12	12	1.20
0.90	0.90	FITNESS RECEPS	12	12	12	20	29	18	20	12	12	0.36
								19	20	12	12	1.50
								17	20	12	12	1.50
								20	20	12	12	1.50
								22	20	12	12	0.98
								24	20	12	12	1.20
								26	20	12	12	0.36
								28	20	12	12	---
								30	20	12	12	---

PANEL BOARD SPECIFICATIONS:
 MFR & MODEL: FLUSH
 MOUNTING: 120/240V, 1 PH, 3 W
 SUPPLY: 400A
 BUSES: 400A
 NEUTRAL: 400A
 MAINS: MAIN LUGS ONLY
 AIC RATING: 22,000
 NOTES: PROVIDE COPPER GROUND BUS

GROSS PHASE TOTALS IN KVA

A	30.00
B	30.00

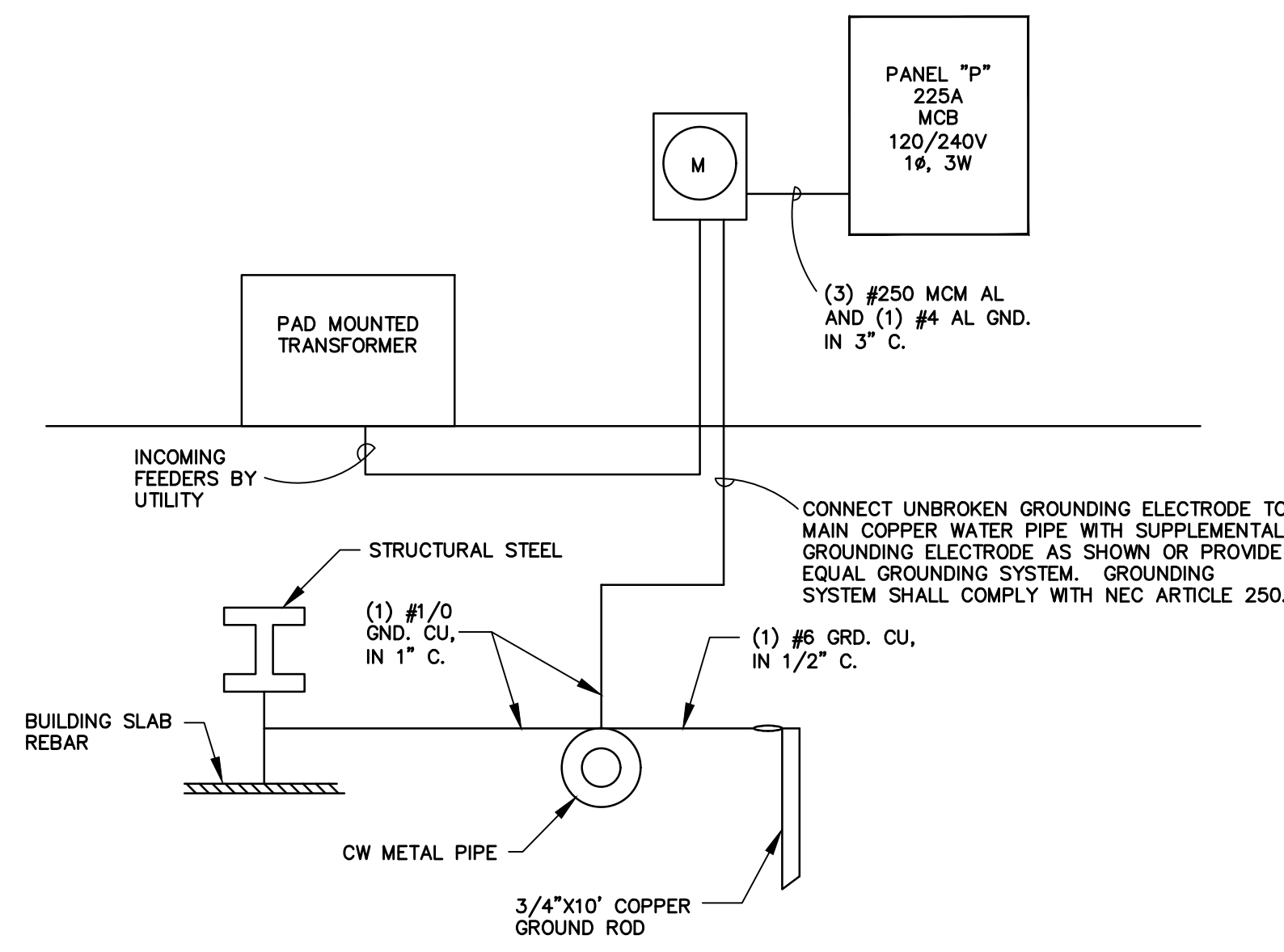




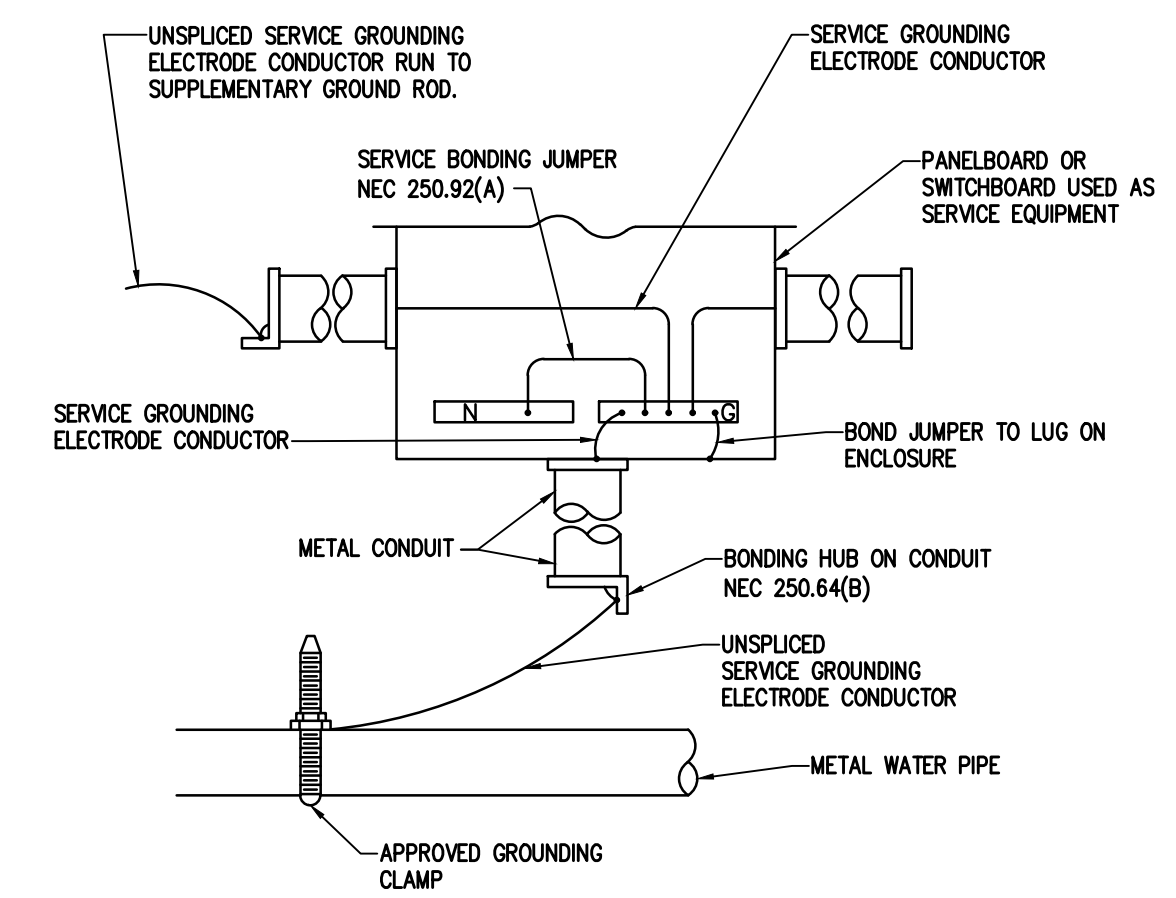
1 ELECTRICAL PLAN
 Scale: NOT TO SCALE

PANELBOARD LOAD SUMMARY - PANEL P

LOAD		CIRCUIT							S/A	CIRCUIT							LOAD	
A	B	DESIGNATION TYPED OR DIRECTORY	CONDUIT SIZE (INCH)	GND SIZE AWG	NEUT SIZE AWG	WIRE SIZE AWG	BKWR RAT. (AMP)	CKT NO.		BKWR RAT. (A)	WIRE SIZE AWG	NEUT SIZE AWG	GND SIZE AWG	CONDUIT SIZE (INCH)	DESIGNATION TYPED OR DIRECTORY	A	B	
G	2.50	POOL EQUIPMENT		10	10	10	30	1		2	15	14	14	14	LIGHTING	0.20	G	
	2.50							3		4	15	14	14	14	EXTERIOR LIGHTS	0.40	G	
G	2.50	POOL EQUIPMENT		10	10	10	30	5		6	15	14	14	14	POOL LIGHTS	0.10	G	
	2.50							7		8	20	12	12	12	RECEPTACLES	0.72	G	
G	2.50	POOL EQUIPMENT		10	10	10	30	9		10	20	12	12	12	POOL ACCESSIBLE LIFT	0.60	G	
	2.50							11		12	20	12	12	12	POOL EQUIPMENT	1.25	G	
G	2.50	WATER HEATER		10	10	10	30	13		14	20	12	12	12	POOL EQUIPMENT	1.25	G	
	2.50							15		16					SPARE	-		
-		SPACE						17		18					SPACE	-		
-		SPACE						19		20					SPACE	-		
PANEL BOARD SPECIFICATIONS MFR. & MODEL: FLUSH MOUNTING: 120/240V, 1 PH, 3 W SUPPLY: 225A BUSES: 225A NEUTRAL: MAIN LUGS ONLY MAINS: MAIN LUGS ONLY AIC RATING: 22,000 NOTES: PROVIDE COPPER GROUND BUS															GROSS PHASE TOTALS IN KVA A 11.00 B 11.00			



2 ELECTRICAL RISER DIAGRAM
 Scale: NOT TO SCALE



3 SERVICE GROUNDING FROM SERVICE ENTRANCE
 Scale: NOT TO SCALE



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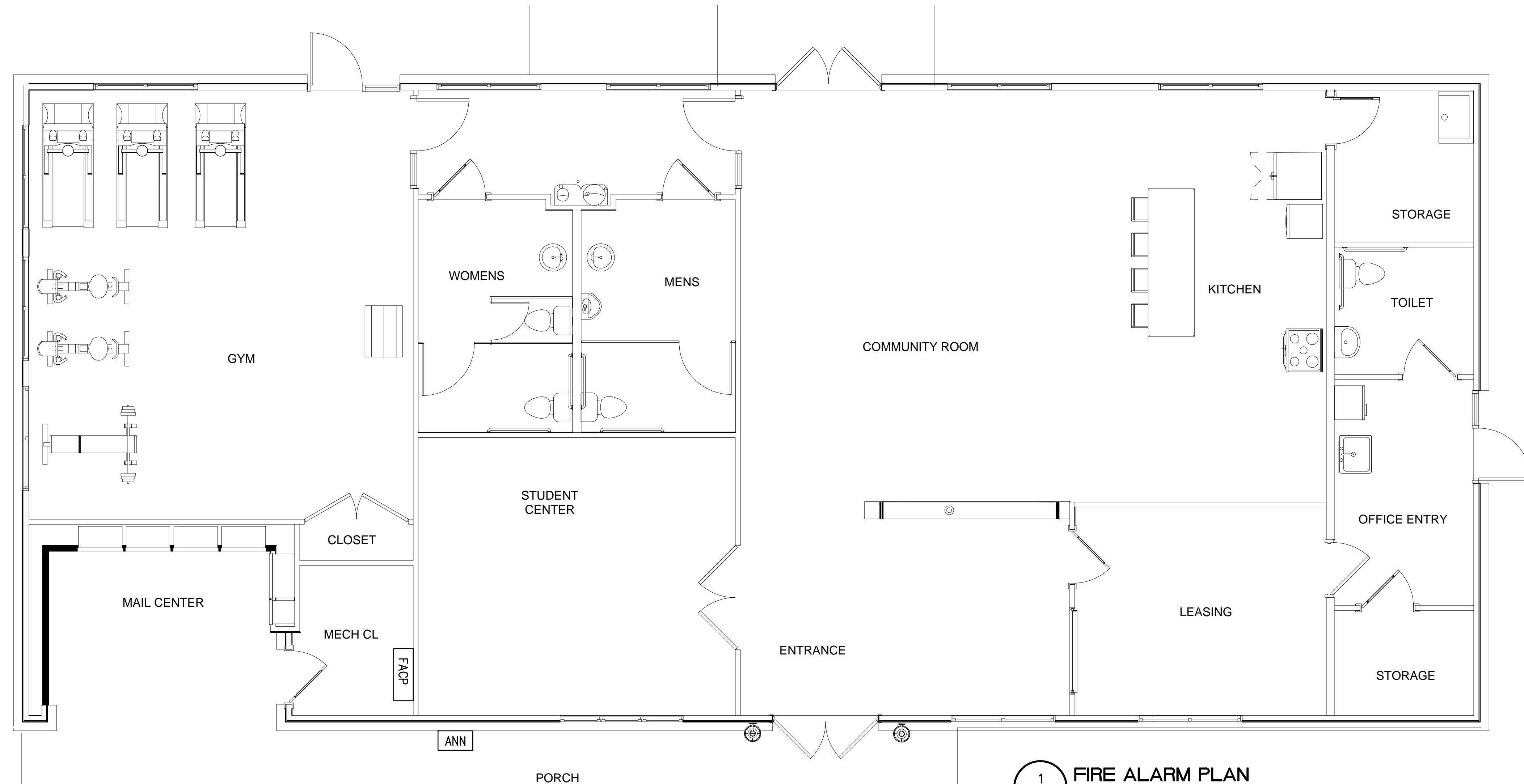
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SHEET
 Pool Building
 Electrical Plan

E1.2





1 FIRE ALARM PLAN
 FA1.1 Scale: 1/4" = 1'-0"

FIRE ALARM SYSTEM

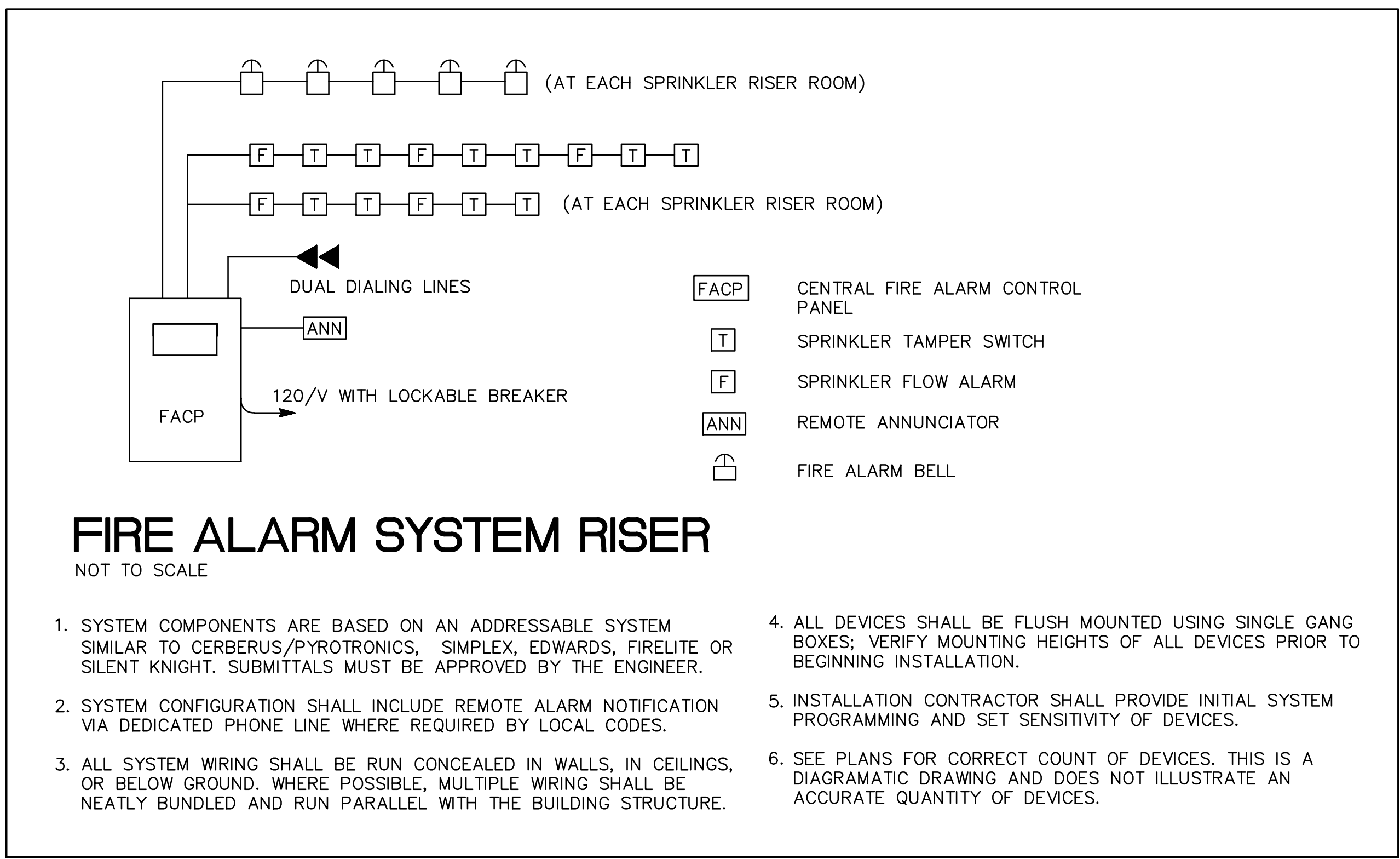
NOTE: ALL FIRE ALARM DEVICES, WIRING, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE AND NFPA 72.

SPRINKLER FLOW: UPON ACTIVATION OF FLOW MONITORING DEVICE, FACP WILL GO INTO GENERAL ALARM, WATER FLOW BELL AT THAT PARTICULAR BUILDING SOUNDS; REMOTE DIALERS CALL MONITORING STATION. MONITORING STATION RECEIVES ALARM, LOCAL FIRE DEPARTMENT NOTIFICATION IS MADE. DIGITAL DISPLAY ON ANNUNCIATOR AT COMMUNITY BUILDING PROVIDES DESCRIPTION OF DEVICE AND GENERAL LOCATION.

IF "SUPERVISORY" SIGNAL IS RECEIVED FROM SPRINKLER SYSTEM SUCH AS A VALVE "TAMPER" SWITCH, REMOTE DIALER CALLS MONITORING STATION TO REPORT PROBLEM, MONITORING STATION NOTIFIES BUILDING OWNER, LAW ENFORCEMENT PERSONNEL, AND/OR FIRE DEPARTMENT. MONITORING SERVICE ALSO CONTACTS BUILDING MAINTENANCE OR SPRINKLER SERVICE CONTRACTOR TO INVESTIGATE PROBLEM WITHIN 60 MINUTES OF RECEIPT OF SUPERVISORY SIGNAL.

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM INPUTS	SYSTEM OUTPUTS											
	FACP ANNUNCIATION						NOTIFICATION					
	A	B	C	D	E	F	G	H	I	J	K	L
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 SPRINKLER WATER FLOW SENSOR SWITCH												
7 SPRINKLER TAMPER SWITCH												



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