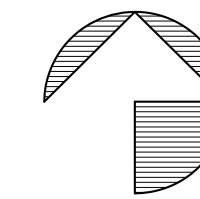


ROBINSON PRESERVE

1704 99th Street NorthWest
Bradenton, Florida



Building Code Analysis

SITE FACTORS	
ZONING:	R&F-1
REQUIRED SETBACKS TO PROPERTY LINES:	(F) 25 (R) 15 (LS)(RS) 1/2 BLDG HT NOT LESS 15 FT
Maximum Height (Stories/Feet)	2 / 140
PROPOSED Height (Stories/Feet)	1 / 13
FAR Maximum	N/A
PROPOSED FAR	N/A
BUILDING FACTORS	
CLASSIFICATION OF BUILDING BY OCCUPANCY:	BUSINESS
CLASSIFICATION OF BUILDING BY CONSTRUCTION TYPE:	TYPE 5 - B
SPRINKLERED:	NO
THRESHOLD BUILDING:	NO
FLOOD ZONE:	ZONE 'AE' 10'
BASE FLOOD ELEVATION:	EL. 10.0
CODES IN EFFECT and YEAR:	2010 FLORIDA BUILDING CODE 2010 FLORIDA EXISTING BUILDING CODE 2011 NEC 2010 FLORIDA FIRE PREVENTION CODE
BUILDING HEIGHT & AREA / AREA MODIFICATION (FBC TABLE 503)	
BUILDING HEIGHT (ALLOWABLE / ACTUAL)	40 / 20
NUMBER OF STORIES (ALLOWABLE / ACTUAL)	2 / 1
MAXIMUM ALLOWABLE FLOOR AREA PER STORY:	9,000
ACTUAL FLOOR AREA per FLOOR:	990 ± SF PER FLOOR
FLOOR AREA ENTIRE BUILDING:	990 ± SF TOTAL
AREA MODIFICATIONS (FBC SECTION 506):	N/A
SCOPE OF WORK	
Scope of work consists of an elevated public restroom building with an interior I.T. room for wildlife camera computers.	

FIRE RESISTANCE RATING OF BUILDING COMPONENTS AND PERCENTAGE OF OPENINGS (FBC TABLES 601 AND 602)	
HORIZONTAL SEPARATION FROM PROPERTY LINES AND/OR BUILDINGS:	
(F) 60'+ (R) 60'+ (LS) 60'+ (RS) 60'+	FEET
STRUCTURAL FRAME (INCLUDING COLUMNS, GIRDERS AND TRUSSES):	0 HOUR
EXTERIOR BEARING WALL RATING REQUIREMENTS:	0 HOUR
EXTERIOR NON-BEARING WALL RATING REQUIREMENTS:	0 OR 1 HOUR
	TABLE 602 WHERE DISTANCE IS LESS THAN 10 FEET TO EAST PROPERTY LINE
INTERIOR BEARING WALL RATING REQUIREMENTS:	0 HOUR
INTERIOR NON-BEARING WALL RATING REQUIREMENTS:	0 HOUR
FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS):	0 HOUR
ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS):	0 HOUR
EXIT ACCESS ENCLOSURES / CORRIDORS (Table 1011):	0 HOUR
EXIT ENCLOSURES / STAIRS:	N/A - SECT 1014
TENANT SEPARATION (FBC 108.11 EXCEPTION 1):	N/A
MAXIMUM ALLOWABLE EXIT ACCESS TRAVEL DISTANCE (Table 1016.1):	200 FEET - BUSINESS V-B
STANDPIPE SYSTEM (FBC 905.1)	N/A
PERCENTAGE OF ALLOWABLE OPENINGS (UNPROTECTED): (F) NL (R) NL (LS) NL (RS) NL	%
FBC TABLE 104.8 (PROTECTED): (F) NL (R) NL (LS) NL (RS) NL	%
PERCENTAGE OF PROVIDED OPENINGS (UNPROTECTED): (F) 10% (R) 20% (LS) 20% (RS) 5%	%
(PROTECTED): (F) 0 (R) 0 (LS) 0 (RS) 0	%
DESIGN LOADS AND STRESSES (FBC Table 1607.1)	
ROOF: LIVE LOAD: 20 PSF	DEAD LOAD: 35 PSF
FLOOR: LIVE LOAD: 100 PSF	DEAD LOAD: 20 PSF
CORRIDORS: LIVE LOAD: 100 PSF	
BALCONIES: LIVE LOAD: 100 PSF	
WIND LOAD: ULTIMATE VELOCITY / RISK CATEGORY:	150 / 2
WIND EXPOSURE CATEGORY:	D
INTERNAL PRESSURE COEFFICIENT: G.C.P.):	+0.18 / -0.18
COMPONENTS & CLADDING, DESIGN WIND PRESSURE:	REFER TO STRUCTURAL SHEETS
SOIL BEARING CAPACITY:	2,000 PSF

Index Of Drawings

T-1	INDEX, CODE DATA & AERIAL WITH BUILDING LOCATION
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A-7	DETAILS
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A-12.3	ARCHITECTURAL SPECIFICATIONS
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S-2	FLOOR & ROOF FRAMING PLANS
S-3	SECTIONS
S-4	GENERAL NOTES & TYPICAL DETAILS
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P1.0	PLUMBING LEGEND AND GENERAL NOTES
M1.0	MECHANICAL LEGEND AND GENERAL NOTES
M2.0	MECHANICAL AND PLUMBING PLANS
M3.0	MECHANICAL AND PLUMBING SCHEDULES
M4.0	MECHANICAL AND PLUMBING DETAILS
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E2.0	ELECTRICAL SITE PLAN
E3.0	ELECTRICAL FLOOR PLAN
E5.0	ELECTRICAL OFF-LINE RISER DIAGRAM

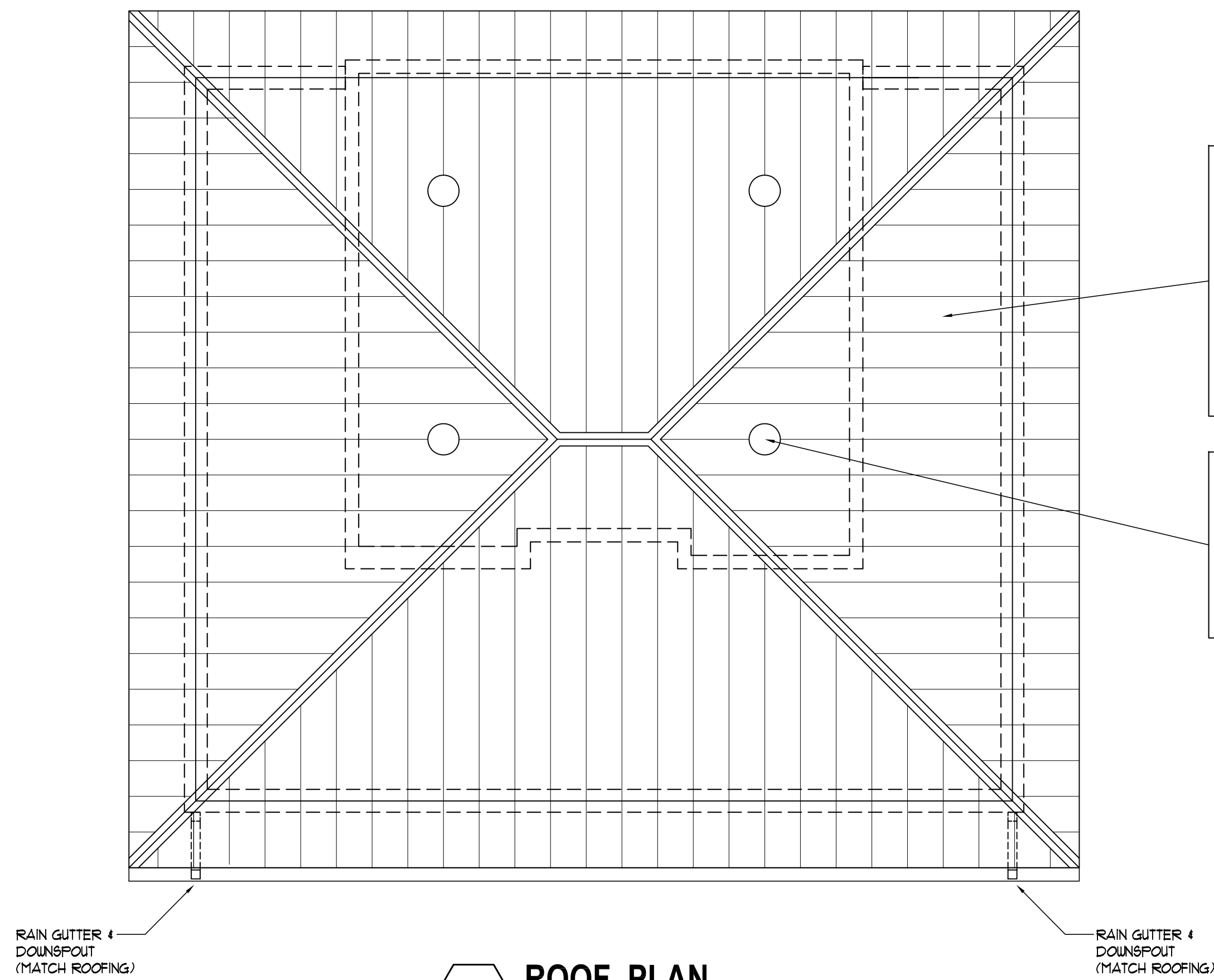
STATUS SET 10/28/2014

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 P.A.
 JERRY N. ZOLLER
 ARCHITECT / PLANNER
 914 14th STREET W. BRADENTON, FL 34205
 TEL: (941) 748-4465
 FL. REG. 5926

PROPOSED BUILDING FOR MANATEE COUNTY:
TOILET ROOMS
ROBINSON PRESERVE
 1704 99th Street NW
 BRADENTON, FLORIDA

JOB NO 1403
 DATE OCT. 15, 2014
 DRAWN DAB
 CHECKED JZ
 REVISIONS

T-1

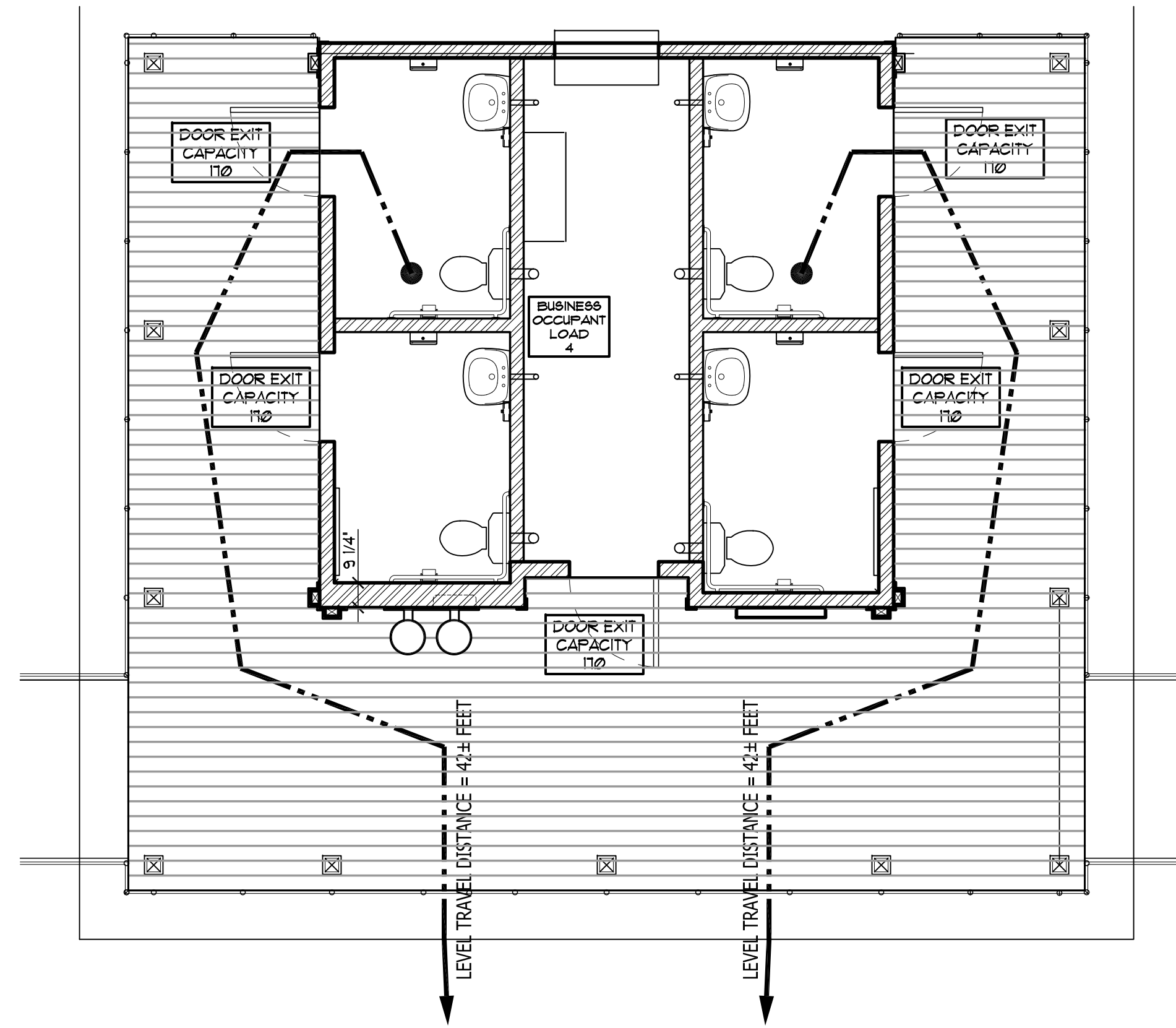


4 ROOF PLAN

24 x 36 - SCALE: 1/4" = 1'-0"
12 x 18 - SCALE: 1/8" = 1'-0"

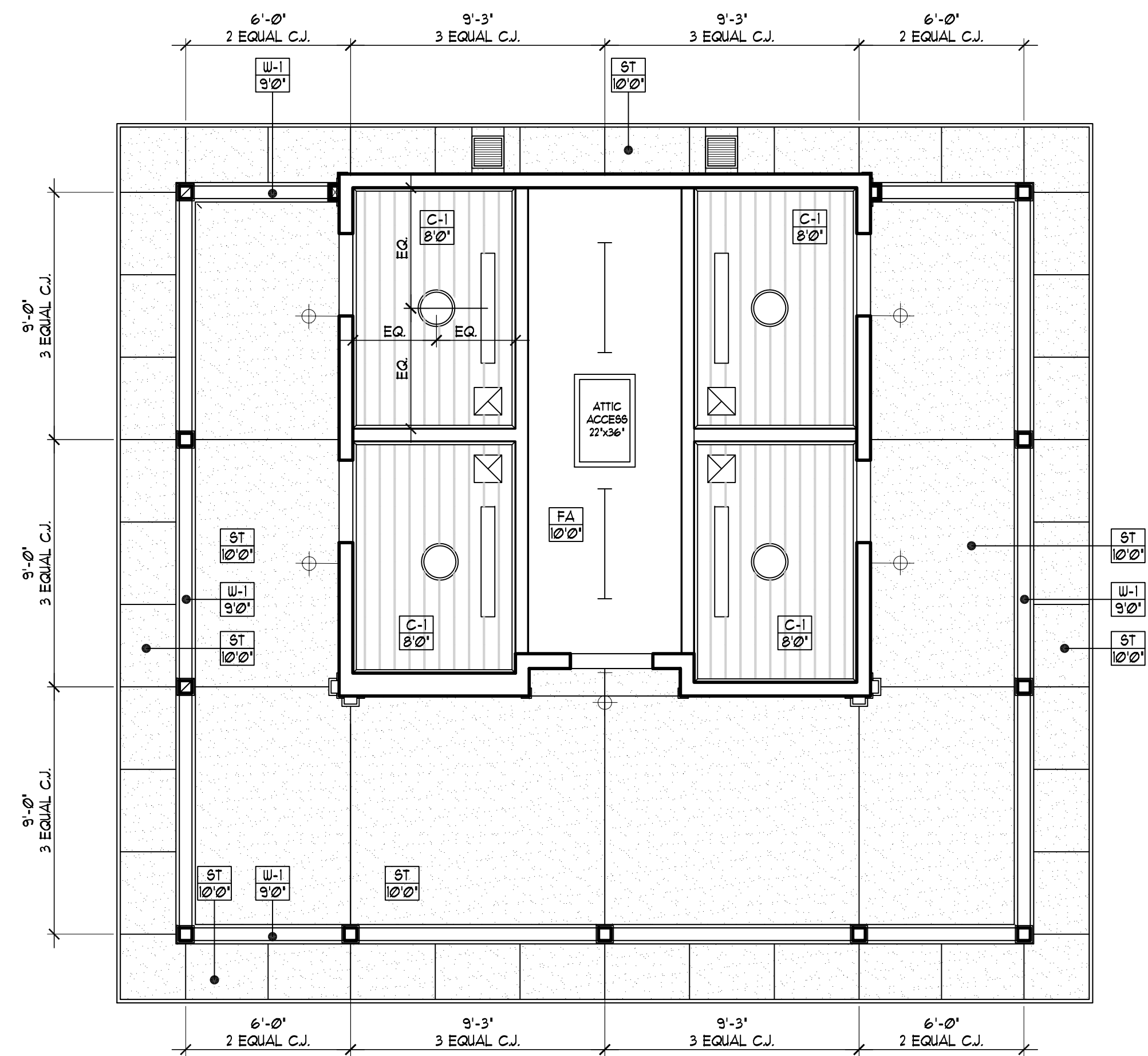
DAN'S CUSTOM SHEET METAL
D.C.S.M. VS-150 STANDING SEAM METAL ROOFING
NOA No: 13-0114.03
EXPIRES: 04/29/2018
APPROVED: 04/04/2013

SOLATUBE INTERNATIONAL
14"Ø SKYLIGHTS
FLORIDA PRODUCT NUMBER FL 114480
DATE APPROVED 06/23/2014



2 EGRESS PLAN

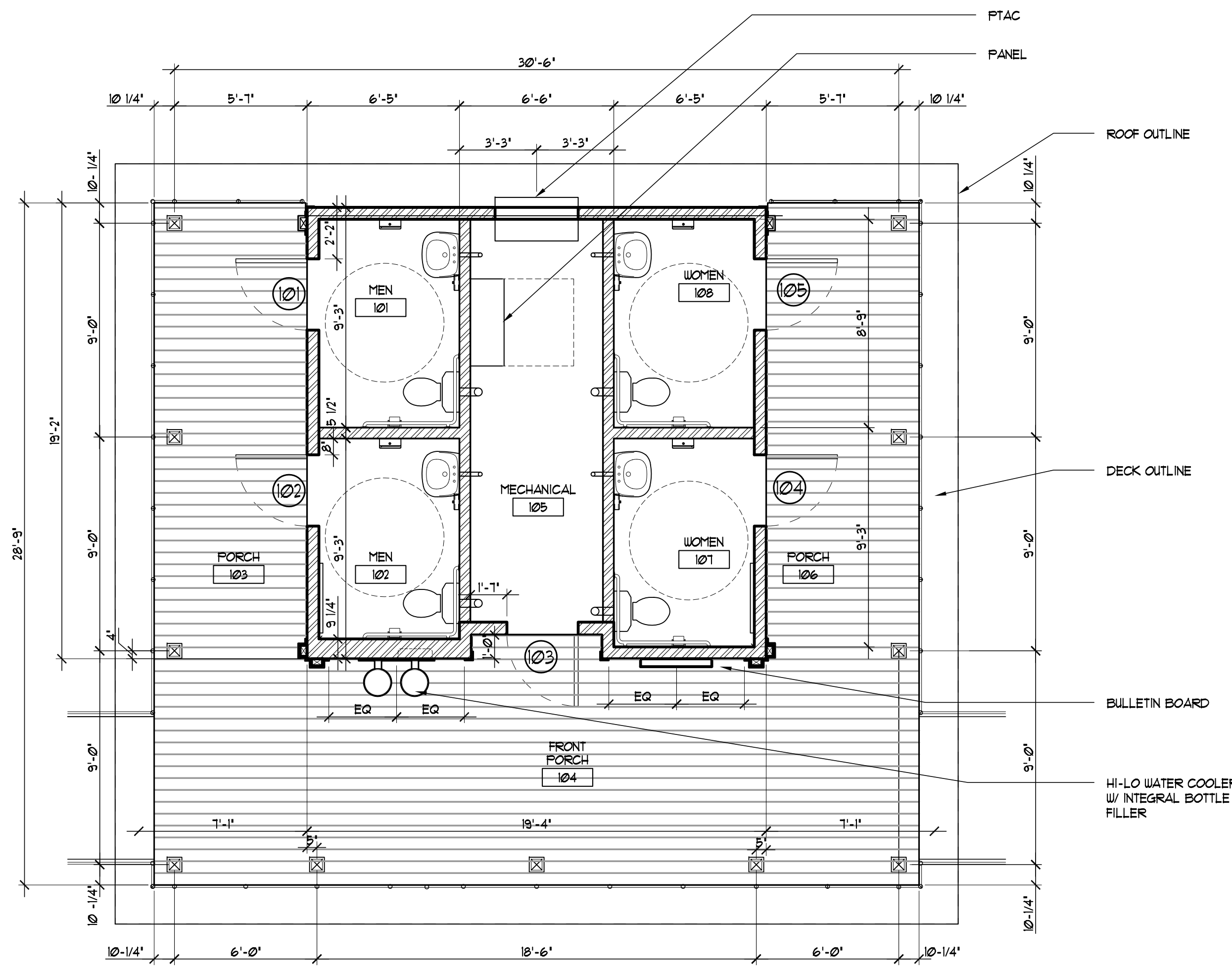
24 x 36 - SCALE: 1/4" = 1'-0"



3 REFLECTED CEILING PLAN

24 x 36 - SCALE: 1/4" = 1'-0"
12 x 18 - SCALE: 1/8" = 1'-0"

- CEILING LEGEND :**
- DU INDICATES CEILING TYPE
 - EH INDICATES CEILING HEIGHT
 - FA FIBEROCK AQUA-TOUGH INTERIOR PANELS
 - C-1 AROMATIC CEDAR
 - W-1 BOTTOM OF WOOD BEAM
 - ST STUCCO ON LATH
 - OTS OPEN TO STRUCTURE ABOVE
- LIGHTING LEGEND :**
- FLUORESCENT FIXTURE SURFACE MOUNT
 - FLUORESCENT FIXTURE SURFACE MOUNT
 - PROPOSED ROUND DIFFUSER AT 14" SOLATUBE
 - PROPOSED WALL MOUNTED LIGHT FIXTURE
 - EXHAUST FAN
 - EXHAUST LOUVER
- WALL LEGEND :**
- PROPOSED WOOD FRAMED WALLS



1 PROPOSED FLOOR PLAN

24 x 36 - SCALE: 1/4" = 1'-0"
12 x 18 - SCALE: 1/8" = 1'-0"

STATUS SET 10/28/2014

AIA
P.A.

JERRY N. ZOLLER
ARCHITECT / PLANNER

PROPOSED BUILDING FOR MANATEE COUNTY:
**TOILET ROOMS
ROBINSON PRESERVE**

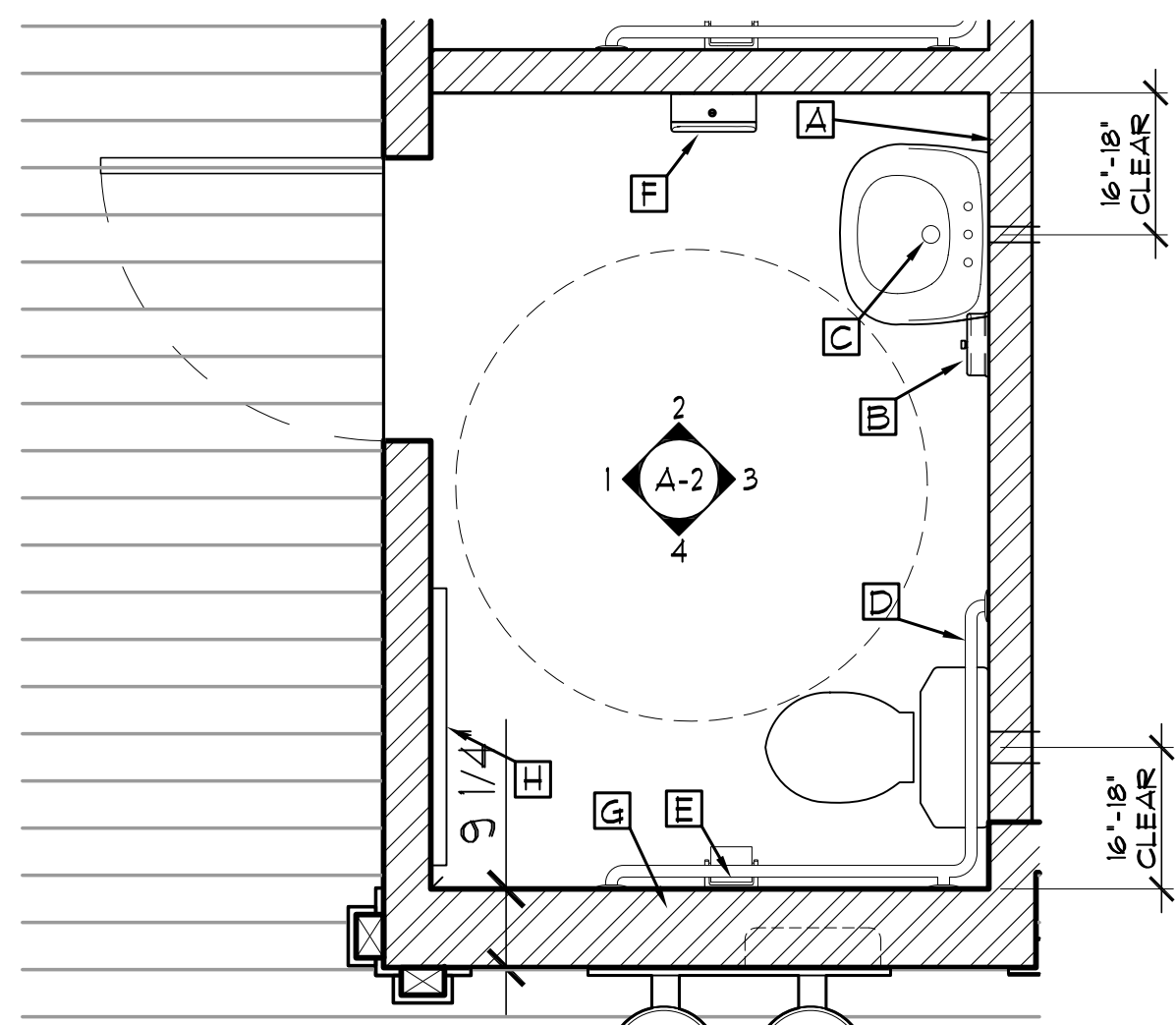
BRADENTON, FLORIDA

1704 99th Street NW

JOB NO 1403
DATE OCT. 15, 2014
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REVISIONS

A-1

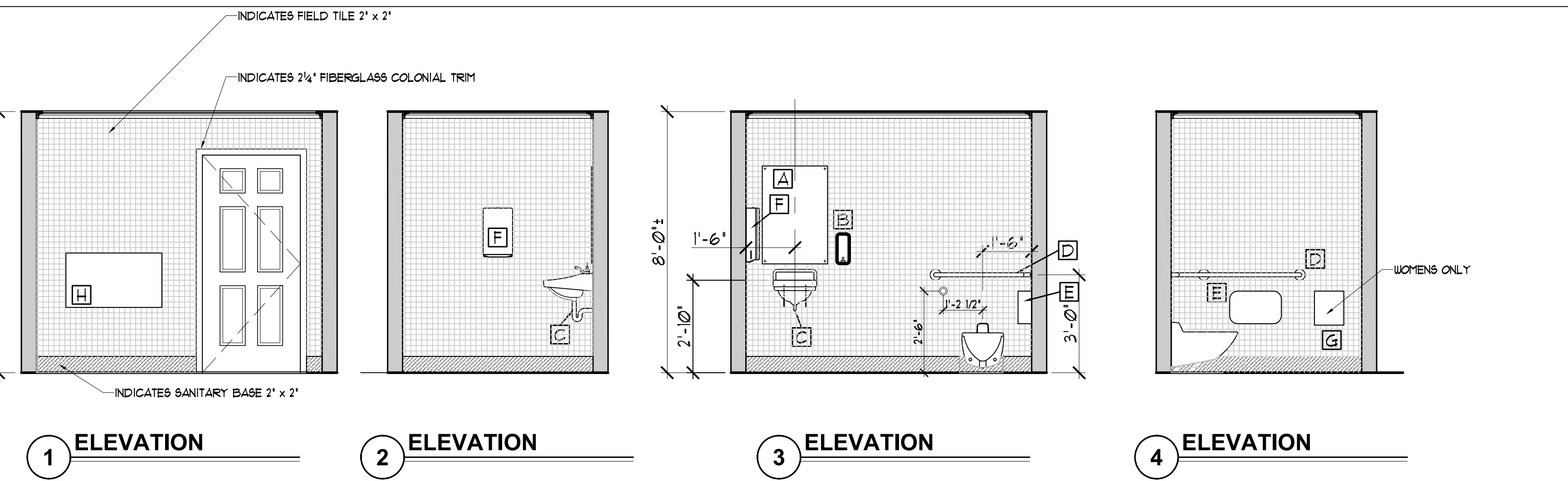
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914 14th STREET W. BRADENTON, FL 34205
FL. REG. 5926



TOILET #101 & #102
TOILET #104 & #105 MIRROR IMAGE SCALE : 1/2" = 1'-0"

MARK	DESCRIPTION	MANUF.	MODEL #	MOUNTING HEIGHT	REMARKS
A	MIRROR	BOBRICK	B-1556 2436	40" AFF TO BOTTOM	S.S.
B	SOAP DISPENSER	GOJO	9721	40" AFF TO BOTTOM	W/ MICREEL REFILLS
C	PIPE INSULATION	TRUBRO	LAV GUARD 2	AT ALL LAVATORIES	WHITE
D	GRAB BAR	BOBRICK	B-6831	36" AFF.	
E	TISSUE DISPENSER	SAN JAMAR	R4000TEK	74" TO CENTER OF UNIT AND 40" TO FRONT EDGE FROM WALL	-
F	PAPER TOWEL DISPENSER	SAN JAMAR	TT190TEK	40" TO BOTTOM	-
G	SANITARY NAPKIN DISPOSAL (WOMENS ONLY)	RUBBERMAID	6140	30" AFF TO TOP	2 TOTAL TO BE LOCATED
H	WALL MOUNT BABY CHANGING STATION UNISEX TOILET 16" ONLY	KOALA BEAR KASE	KB110-550M	44" AFF TO TOP	TOILET ROOMS NOS 4 N/A

TOILET ACCESSORIES



TOILET #101 & #102
TOILET #104 & #105 MIRROR IMAGE SCALE : 3/8" = 1'-0"

LOCATION	TILE LEGEND
FLOOR	DALTILE
BASE	UNGLAZED PORCELAIN 1'x1' BLEND BEACH DKO4
FIELD	GLAZED PORCELAIN 2'x2' MB-5A CITYLINE KOHL 6471
	GLAZED PORCELAIN 2'x2' ALMOND 6465

ROOM FINISH SCHEDULE

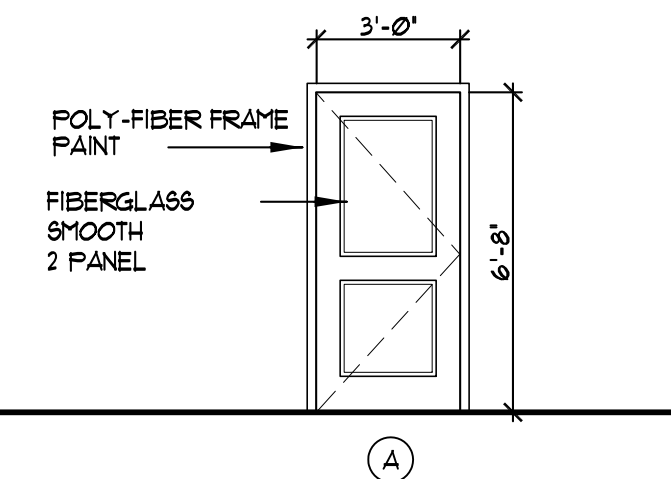
MARK	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
		EXISTING TO REMAIN	WOOD LAMINATE	TILE OVER TILE BACKER BOARD	VCT		
		WOOD DECKING	NONE	PAINT EXISTING	VINYL		
		TILE - 6" SANITARY COVE		5/8" GYP WALL BOARD PAINTED	TILE OVER TILE BACKER BOARD		
		HARDIE PANEL VERTICAL SIDING		EXISTING TO REMAIN	5/8" FIBEROCK AQUA-TOUGH BOARD		
		STUCCO ON LATH OVER 5/8" DENIGLASS		OPEN TO STRUCTURE			
101	MEN'S TOILET					8'-0"	
102	MEN'S TOILET					8'-0"	
103	PORCH					10' ±	
104	FRONT PORCH					10' ±	
105	MECHANICAL ROOM					10' ±	
106	PORCH					10' ±	
107	WOMEN'S TOILET					8'-0"	
108	WOMEN'S TOILET					8'-0"	
109	- - -						
110	- - -						

- FINISH SCHEDULE NOTES:**
1. PROVIDE SOLID FIRE BLOCKING AT ALL VERT. & HORZ. TRANSITIONS.
 2. INSULATE ALL INTERIOR WALLS w/ SOUND ATTENUATION BATT'S (FULL DEPTH OF WALL).
 3. DRYWALL TO RECEIVE KNOCK DOWN FINISH, AND PAINT.
 4. VERIFY ALL FINISHES WITH OWNER PRIOR TO CONSTRUCTION.

DOOR SCHEDULE

MARK	SIZE			TYPE	DOOR		JAMB		HARDWARE GROUP	REMARKS
	W	H	T		MATERIAL	FINISH	MATERIAL	FINISH		
101	3'-0"	6'-8"	1 3/4"	A	FIBERGLASS	PAINT	POLY-FIBER	PAINT	1	W/ CLOSER
102	3'-0"	6'-8"	1 3/4"	A	FIBERGLASS	PAINT	POLY-FIBER	PAINT	1	W/ CLOSER
103	3'-0"	6'-8"	1 3/4"	A	FIBERGLASS	PAINT	POLY-FIBER	PAINT	2	W/ CLOSER
104	3'-0"	6'-8"	1 3/4"	A	FIBERGLASS	PAINT	POLY-FIBER	PAINT	1	W/ CLOSER
105	3'-0"	6'-8"	1 3/4"	A	FIBERGLASS	PAINT	POLY-FIBER	PAINT	1	W/ CLOSER
106	-	-	-	-	-	-	-	-	-	-

- NOTES:**
1. PROVIDE ADA APPROVED LEVER TYPE HARDWARE ON ALL DOORS UNLESS NOTED OTHERWISE.
 2. PROVIDE SECURITY DEVICE AT LATCH SIDE OF HEAD FRAME AT ALL EXTERIOR DOORS. VERIFY WITH OWNER IF ANY OTHER DOORS NEED SECURITY DEVICES.
 3. PROVIDE KNULED KNOBS AT CHASE/MECHANICAL/ELECTRICAL ROOMS, ETC., TYPICAL.

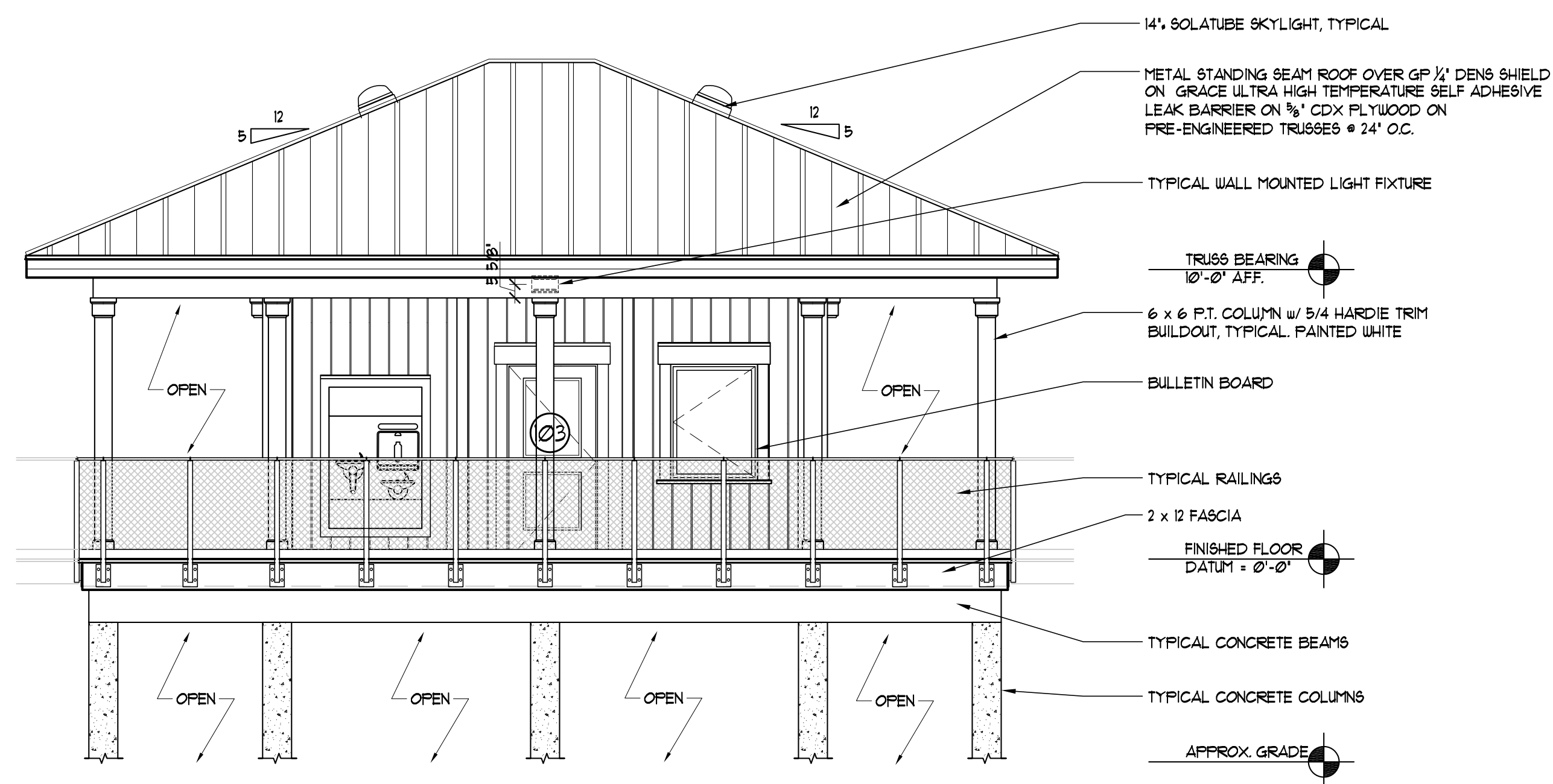


PLASTERO
 TWO PANEL SMOOTH
 W/ 1/4" POLY FIBER FRAME
 2007 FLORIDA BLDG CODE
 LOCATION ZONE 5
 130 MPH ± w/ 50 PSF
 LARGE MISSILE TEST APPROVED
 SUBMIT SHOP DRAWINGS, SIGNED & SEALED BY AN
 ENGINEER REGISTERED IN THE STATE OF FLORIDA
 FLORIDA PRODUCT NUMBER: FL141B2 - R3
 APPROVED 01/30/2014
 DESIGN PRESSURE: 110.0 PSF

DOOR TYPES

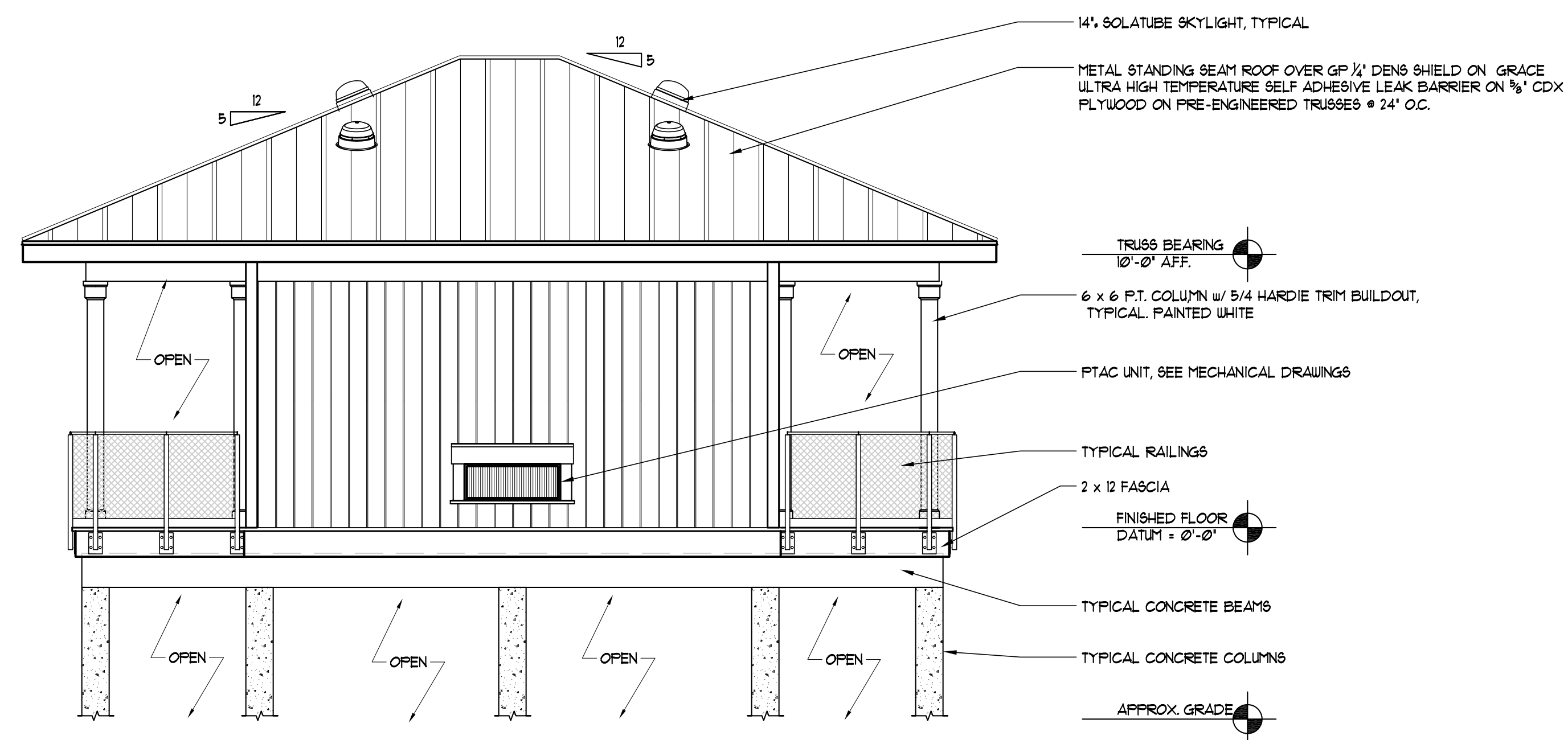
QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MANUFACTURER
3 EA	HINGE	3CBI 4.5 x 4.5	652	IVE9
1 EA	RESTROOM INDICATOR LOCK	B571	-	SCHLAGE
1 EA	PASSAGE LOCK	SERIES 13KC-1-N-15D	626	BEST ACCESS
1 EA	DEADBOLT	13KC-1-1B1L-5TK	626	BEST ACCESS
1 EA	SURFACE CLOSER	4011	-	LCN
1 EA	KICK PLATE	1" LDBH x 1" LDW	630	IVE9
1 EA	KICK PLATE	1" LDBH x 1" LDW	630	IVE9
1 EA	DOME STOP	F8438	626	IVE9
1 SET	SEALS	1885	BLK	ZERO
1 EA	THRESHOLD	-	-	-

QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MANUFACTURER
3 EA	HINGE	3CBI 4.5 x 4.5	652	IVE9
1 EA	PASSAGE LOCK	SERIES 13KC-1-N-15D	626	BEST ACCESS
1 EA	DEADBOLT	13KC-1-1B1L-5TK	626	BEST ACCESS
1 EA	SURFACE CLOSER	4011	-	LCN
1 EA	KICK PLATE	1" LDBH x 1" LDW	630	IVE9
1 EA	KICK PLATE	1" LDBH x 1" LDW	630	IVE9
1 EA	DOME STOP	F8438	BLK	IVE9
1 SET	SEALS	1885	PNT	ZERO
1 EA	THRESHOLD	-	-	ZERO



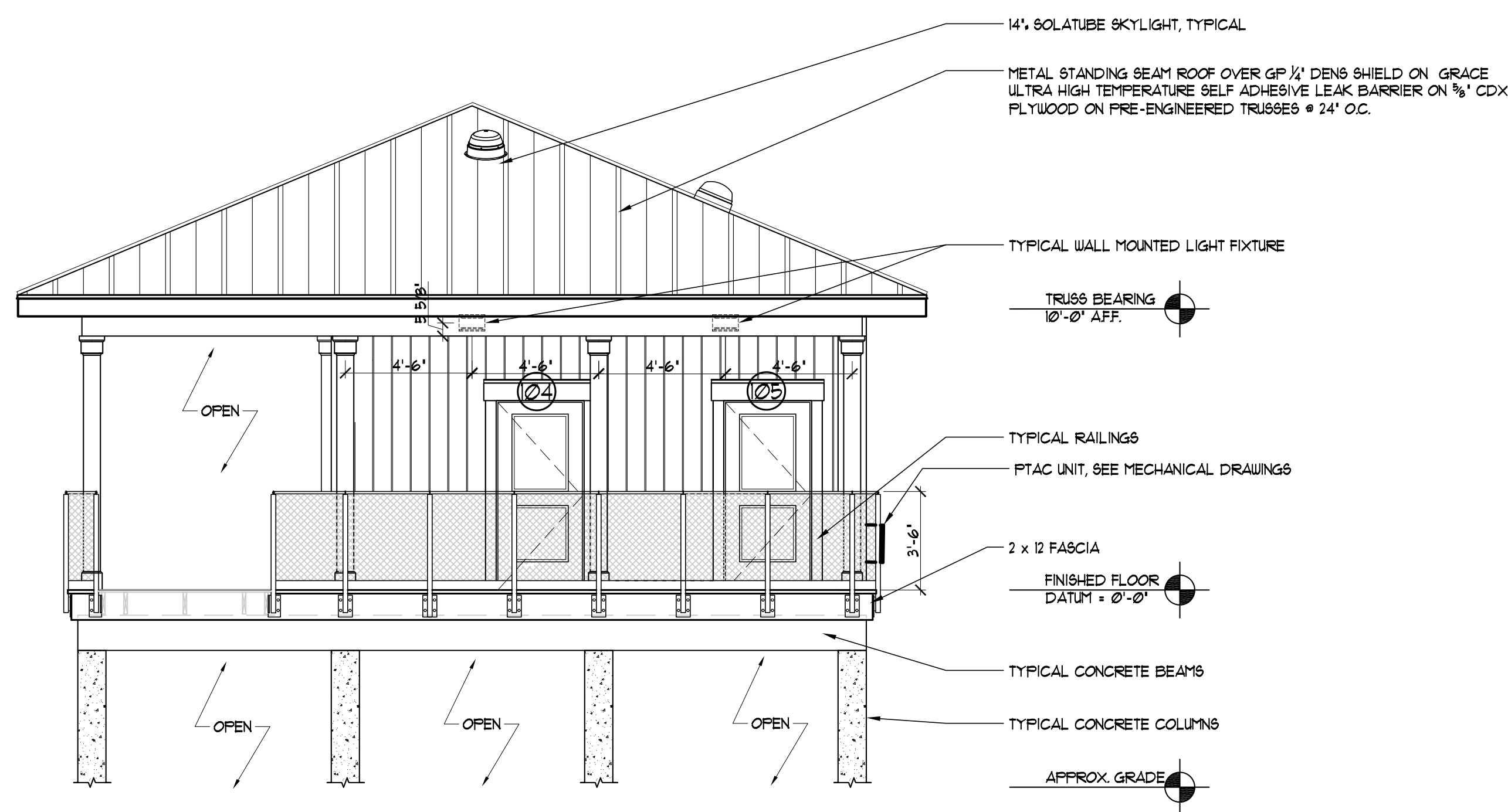
3 FRONT ELEVATION

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



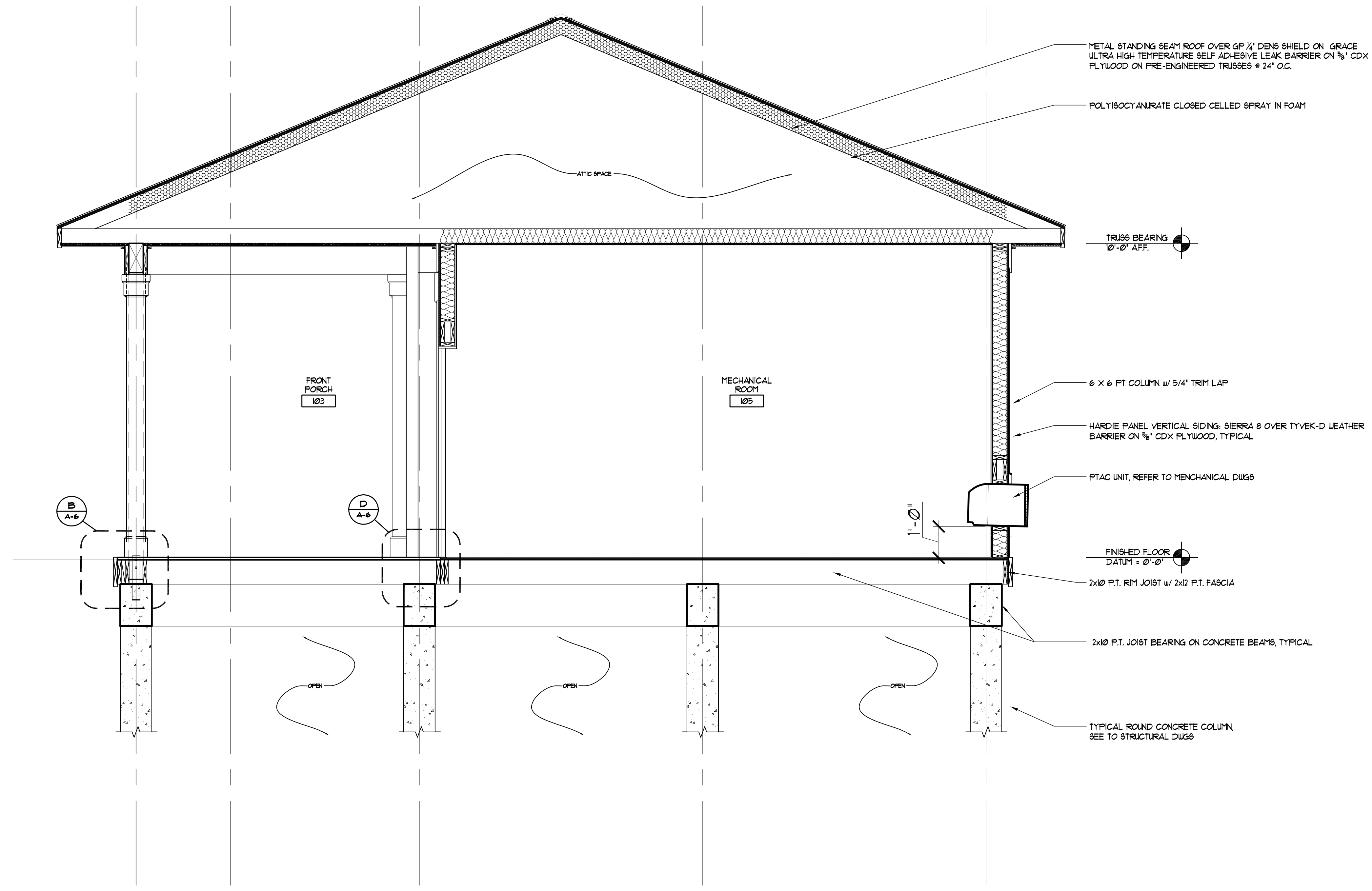
2 REAR ELEVATION

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



**1 ???? SIDE ELEVATION
 ???? SIDE MIRROR IMAGE**

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



1 PROPOSED BUILDING SECTION
 SCALE : 1/2" = 1'-0"

- METAL STANDING SEAM ROOF OVER 6P 1/2" DENS SHIELD ON GRACE ULTRA HIGH TEMPERATURE SELF ADHESIVE LEAK BARRIER ON 5/8" CDX PLYWOOD ON PRE-ENGINEERED TRUSSES @ 24' O.C.
- POLYISOCYANURATE CLOSED CELLED SPRAY IN FOAM
- TRUSS BEARING
10'-0" AFF.
- 6 X 6 PT COLUMN w/ 5/4" TRIM LAP
- HARDIE PANEL VERTICAL SIDING: SIERRA @ OVER TYVEK-D WEATHER BARRIER ON 5/8" CDX PLYWOOD, TYPICAL
- PTAC UNIT, REFER TO MECHANICAL DIAGS
- FINISHED FLOOR
DATUM = 0'-0"
- 2x10 P.T. RIM JOIST w/ 2x12 P.T. FASCIA
- 2x10 P.T. JOIST BEARING ON CONCRETE BEAMS, TYPICAL
- TYPICAL ROUND CONCRETE COLUMN
SEE TO STRUCTURAL DIAGS

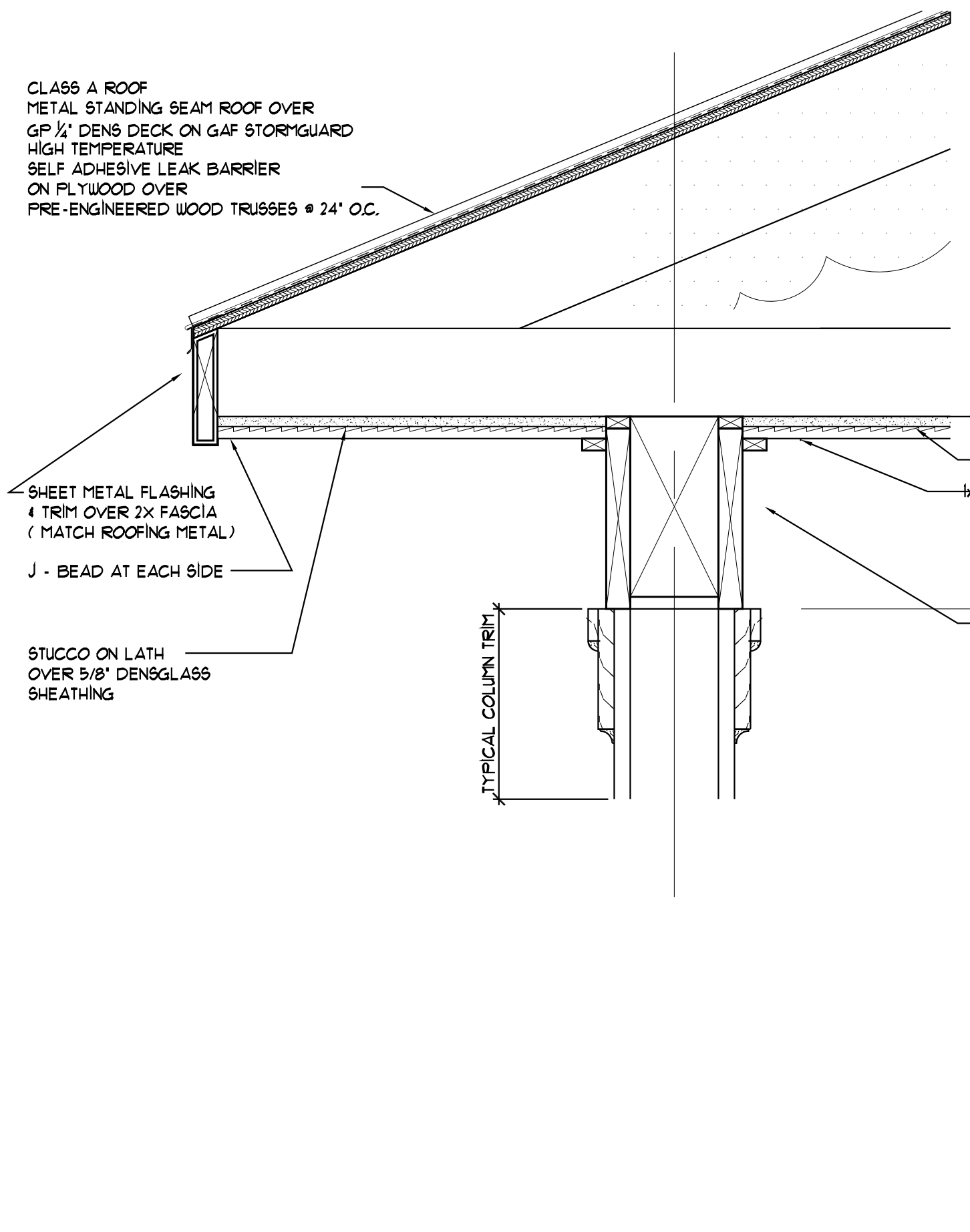
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TOILET ROOMS
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 1704 99th Street NW

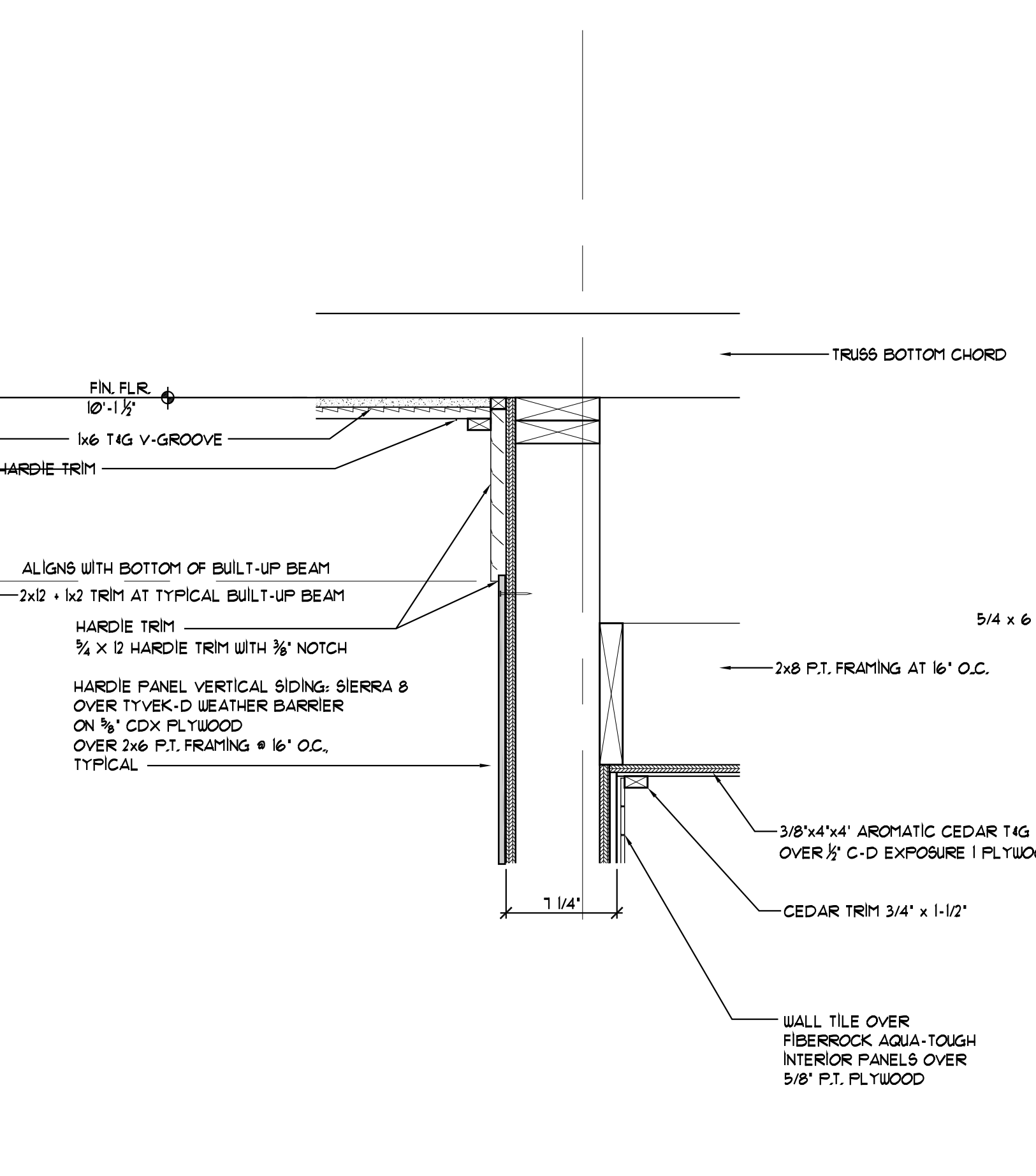
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DATE	OCT. 15, 2014
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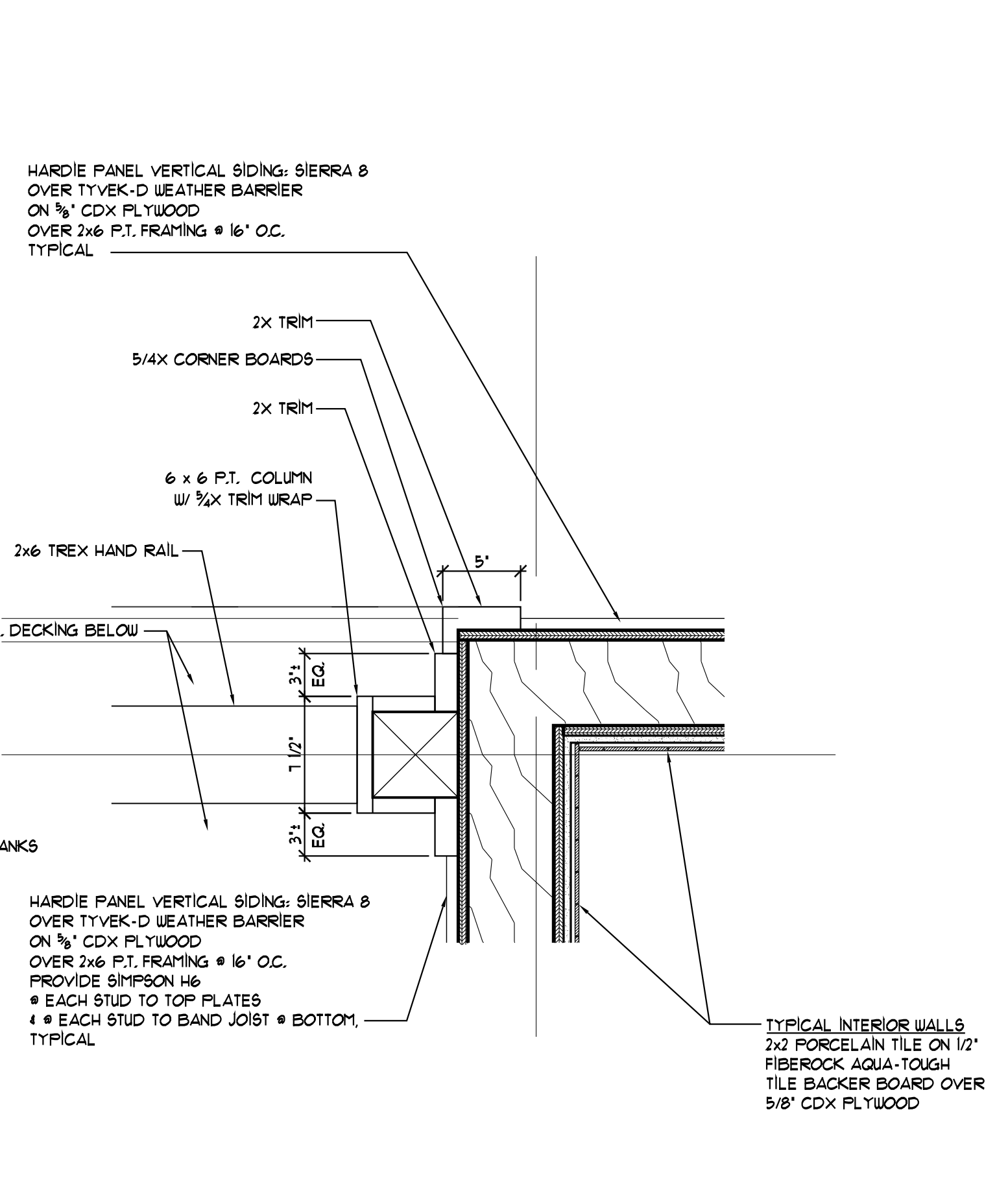
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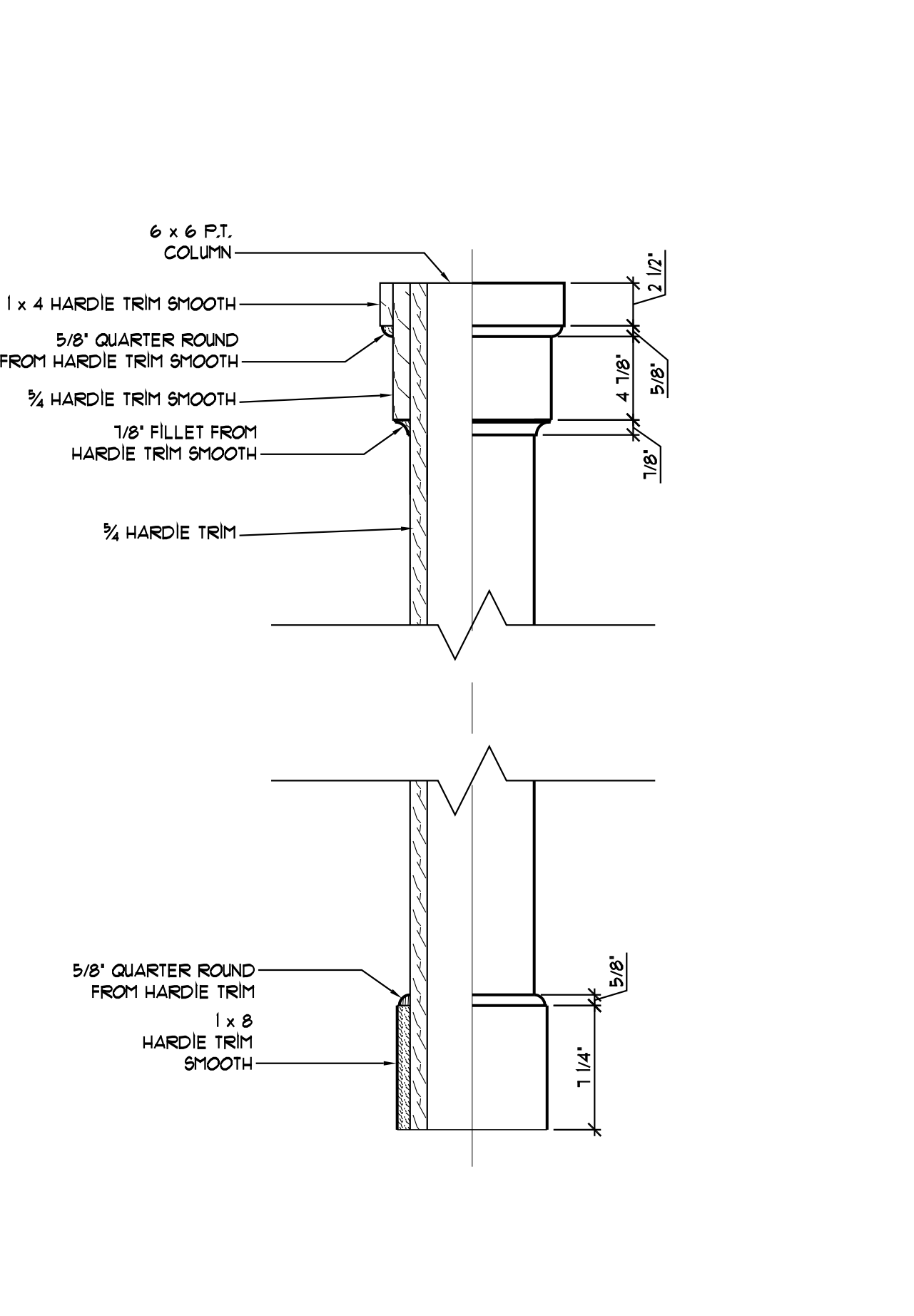
A TYPICAL DETAIL AT BEAM
SCALE : 1 1/2" = 1'-0"



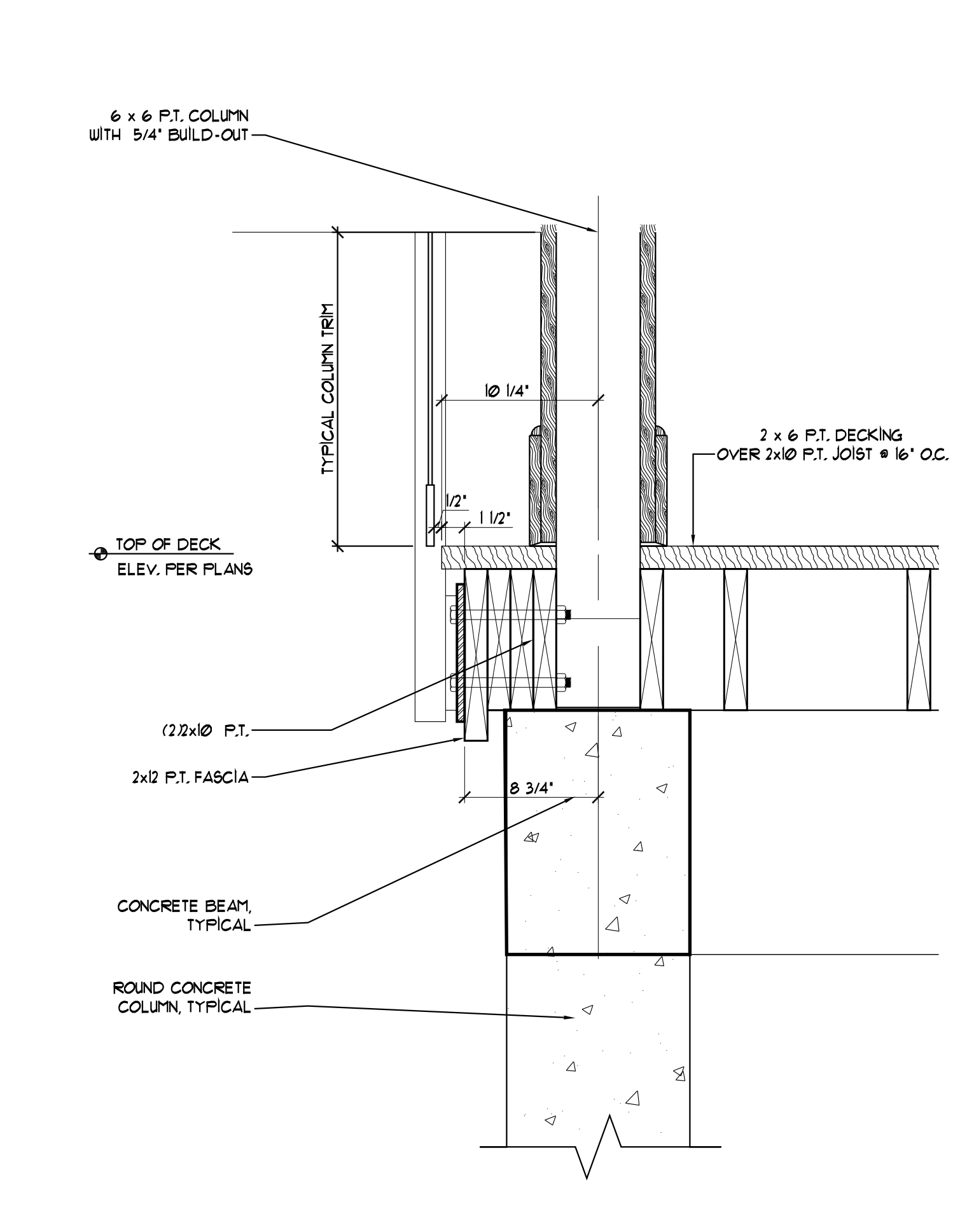
C DETAIL AT BLDG WALL
SCALE : 1 1/2" = 1'-0"



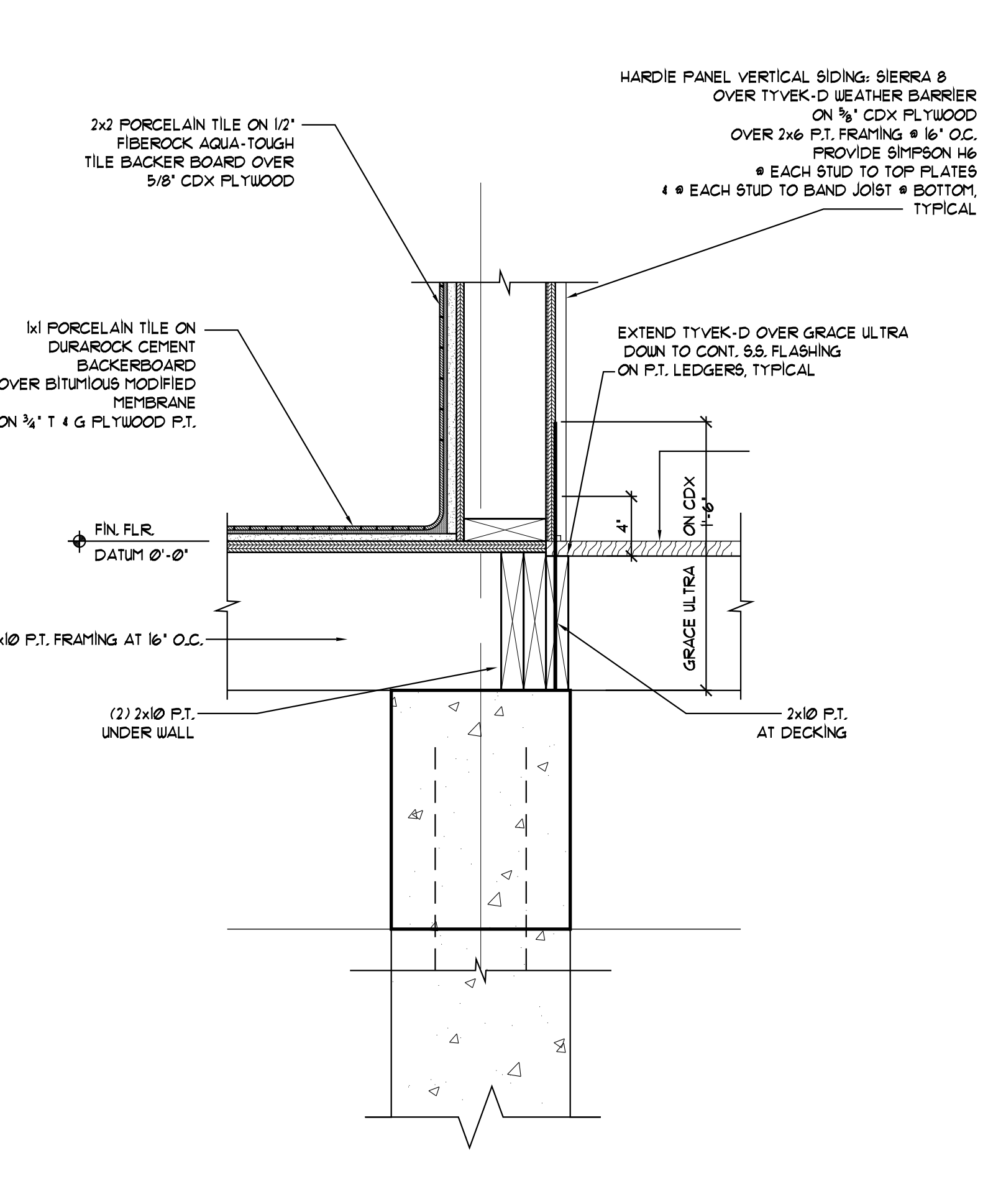
E DETAIL AT REAR CORNER
SCALE : 1 1/2" = 1'-0"



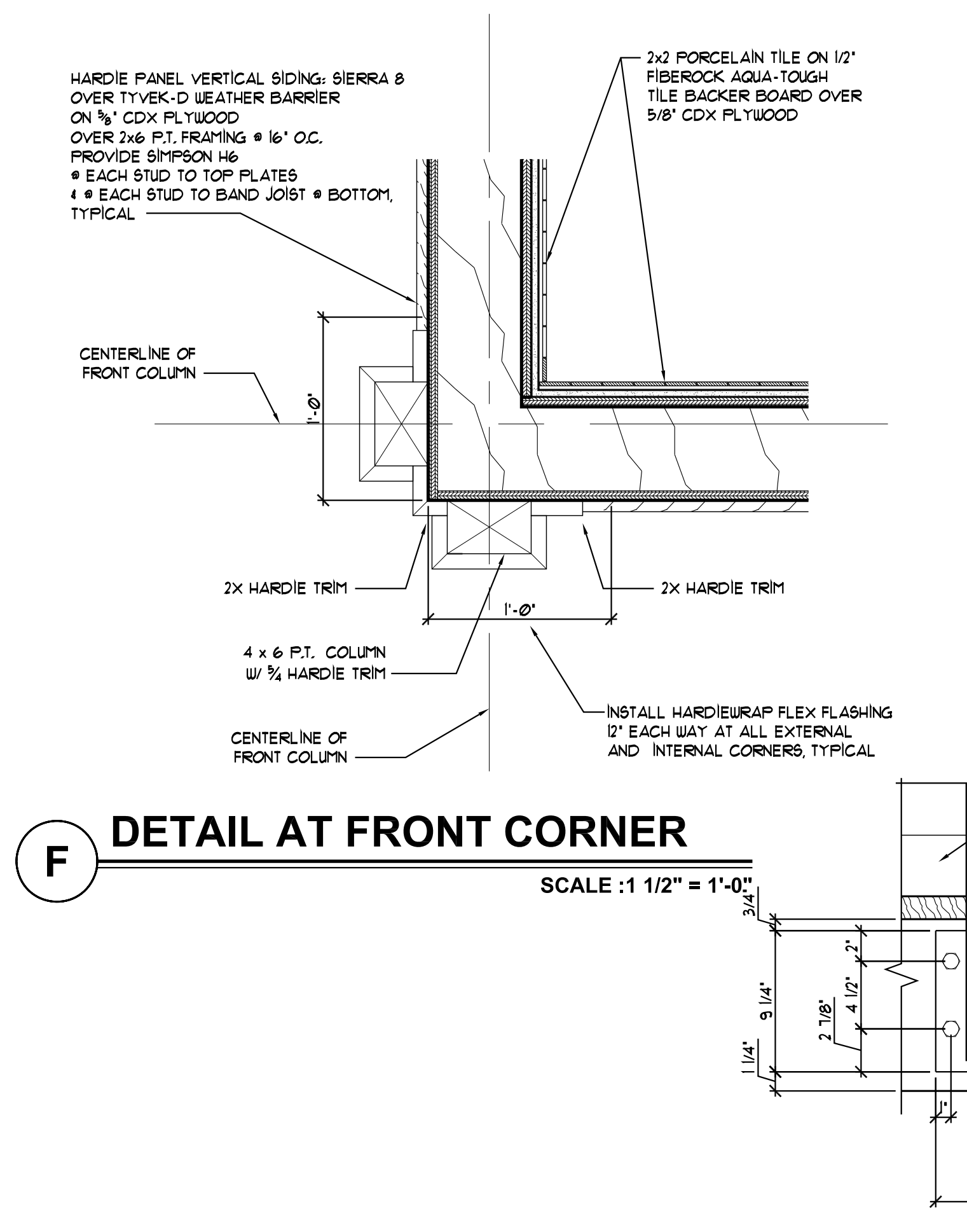
G TYPICAL COLUMN DETAIL
SCALE : 1 1/2" = 1'-0"



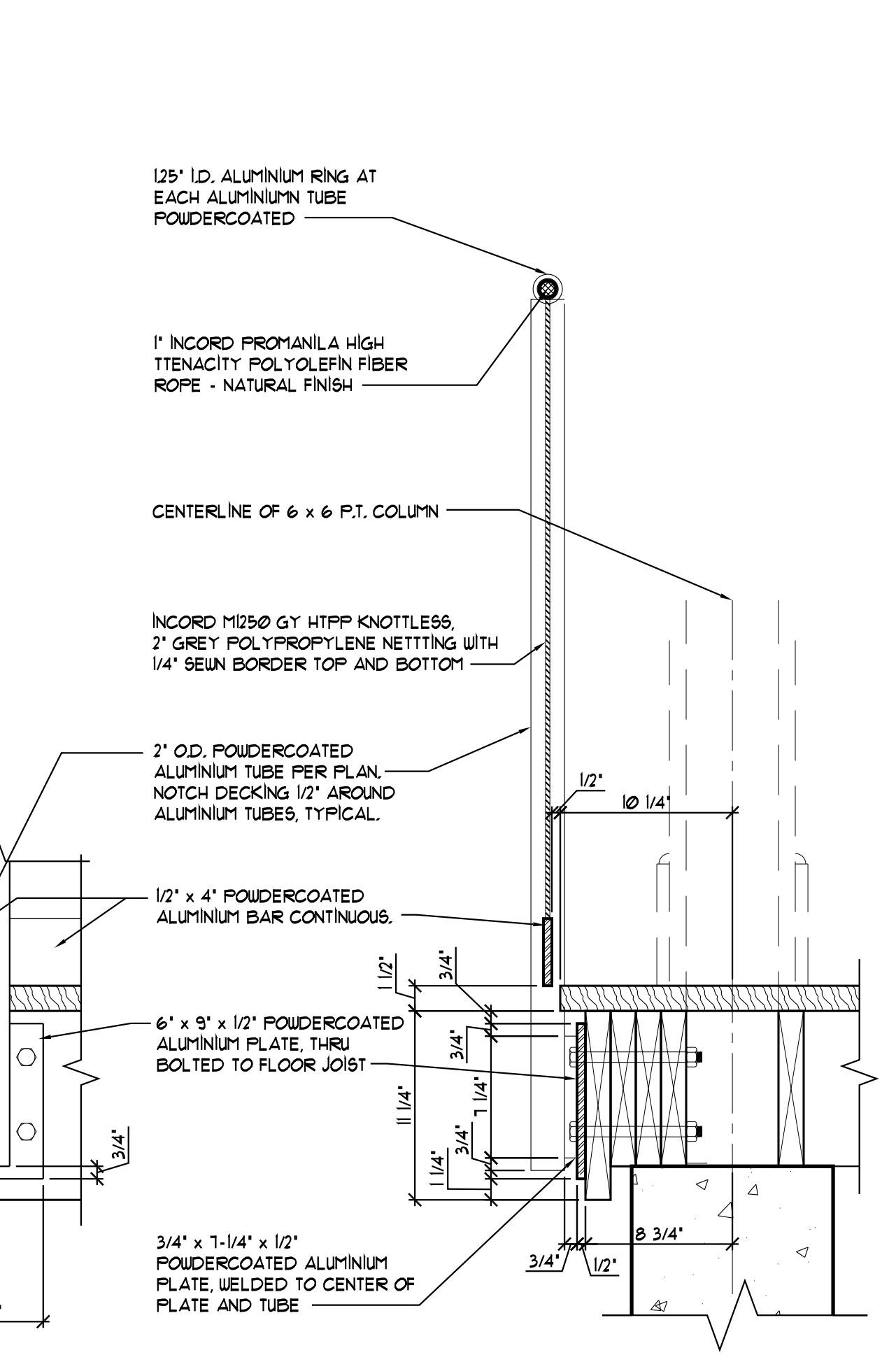
B DETAIL AT DECK EDGE
SCALE : 1 1/2" = 1'-0"



D DETAIL AT DECK TO BLDG
SCALE : 1 1/2" = 1'-0"



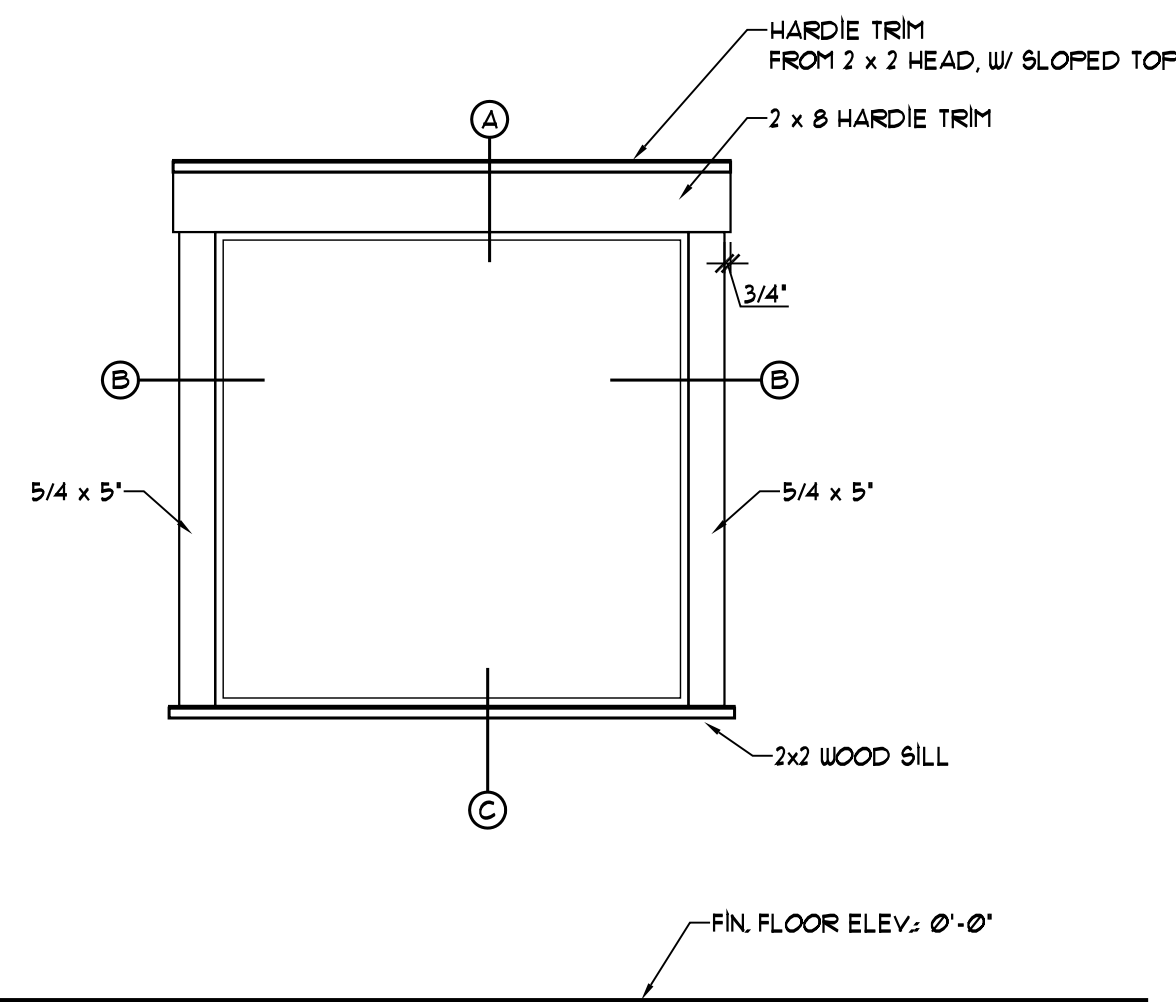
F DETAIL AT FRONT CORNER
SCALE : 1 1/2" = 1'-0"



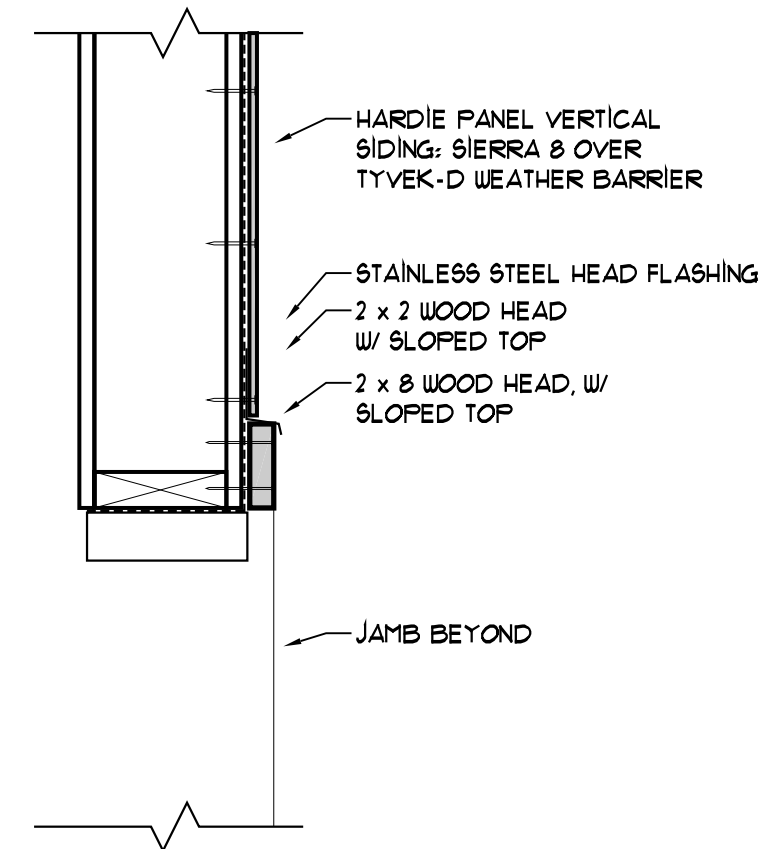
H DETAIL AT RAILING
SCALE : 1 1/2" = 1'-0"

STATUS SET 10/28/2014

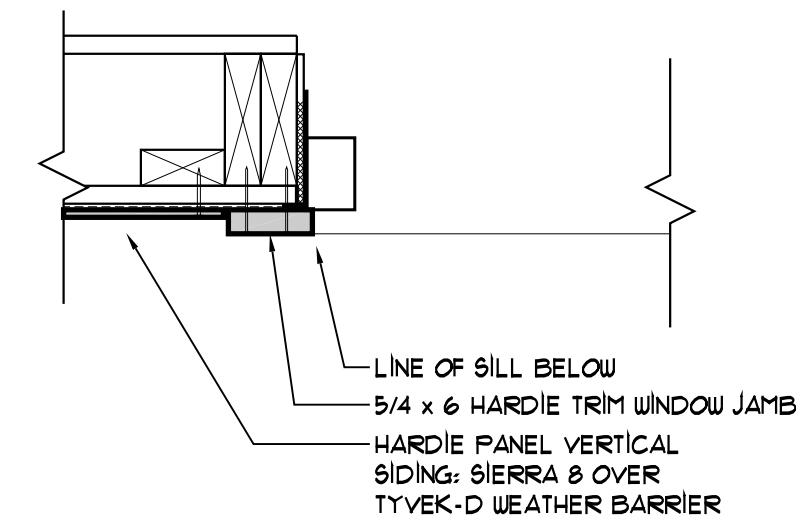
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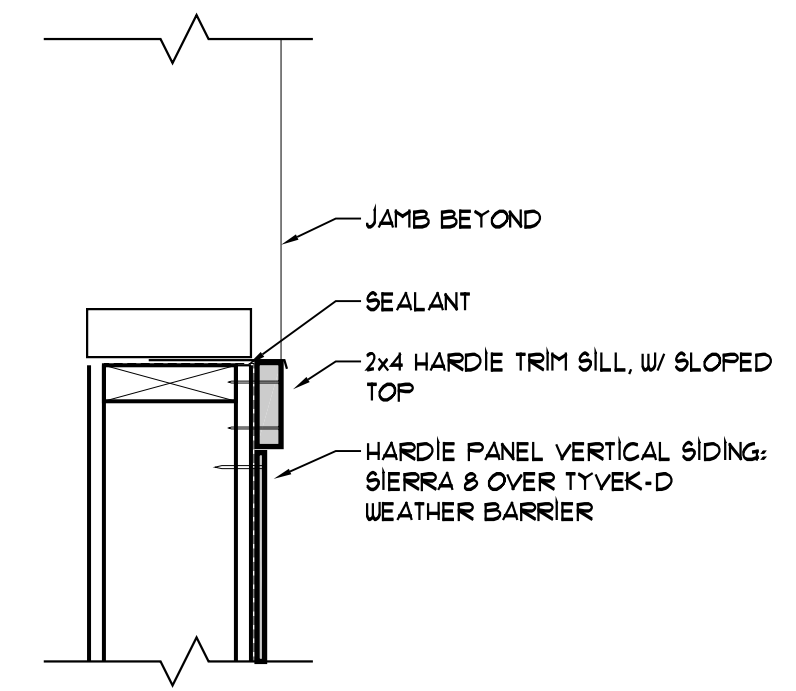
1 A.C. UNIT ELEVATION
SCALE: 1/2" = 1'-0"



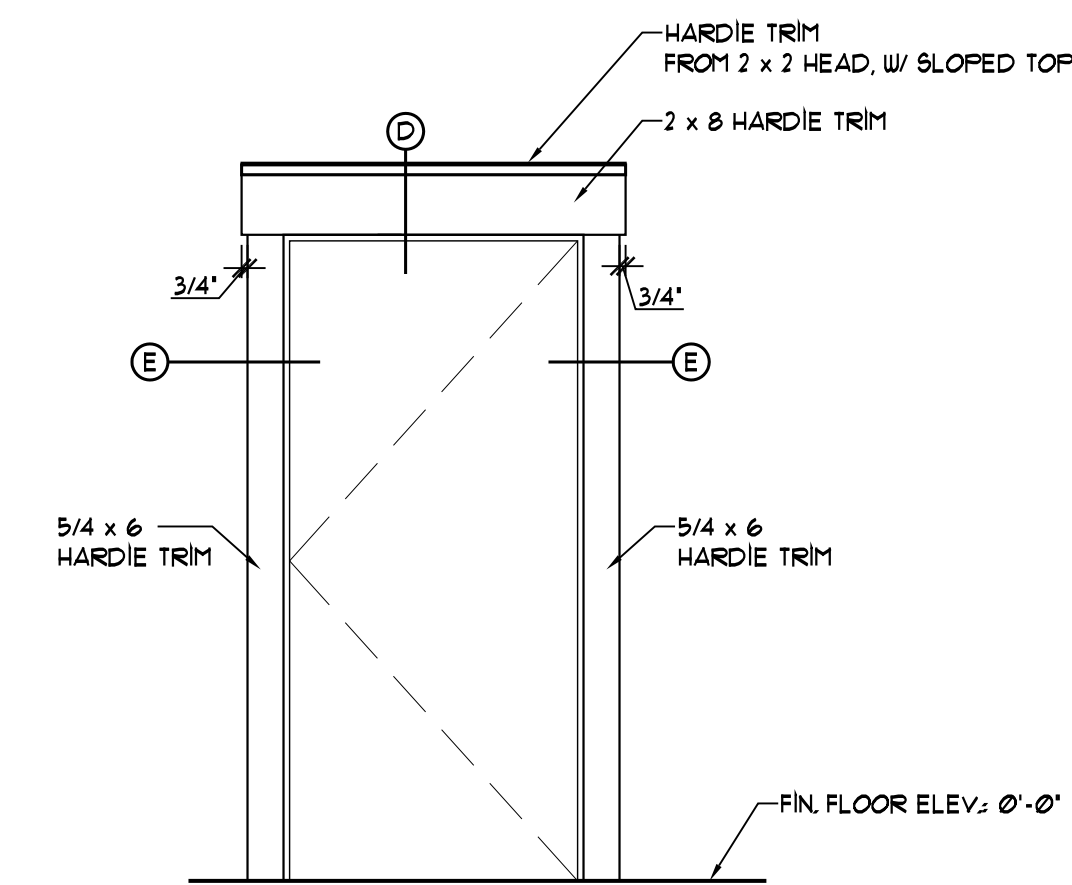
A HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



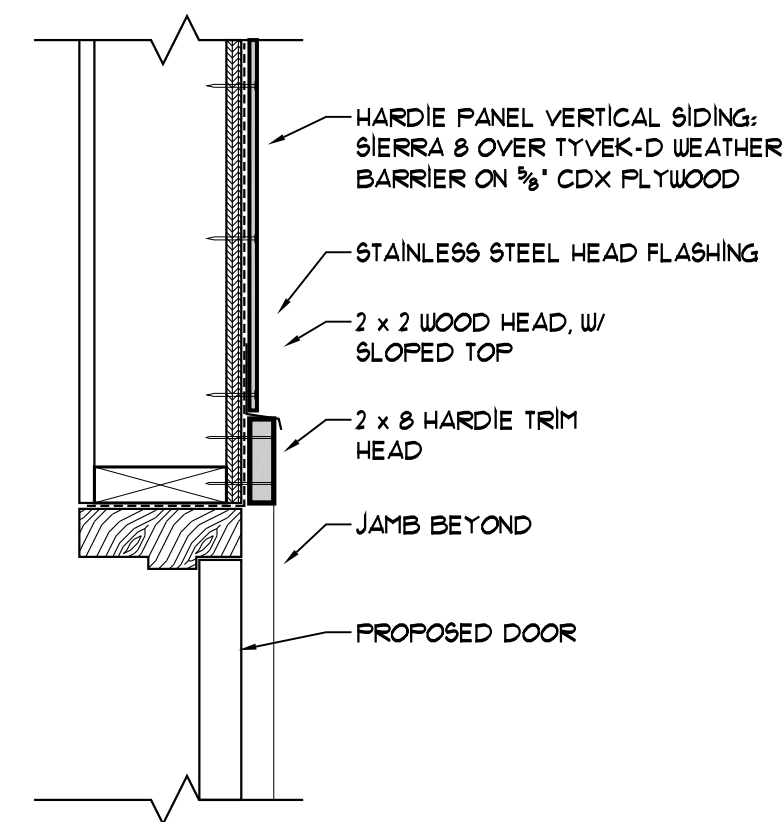
B JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



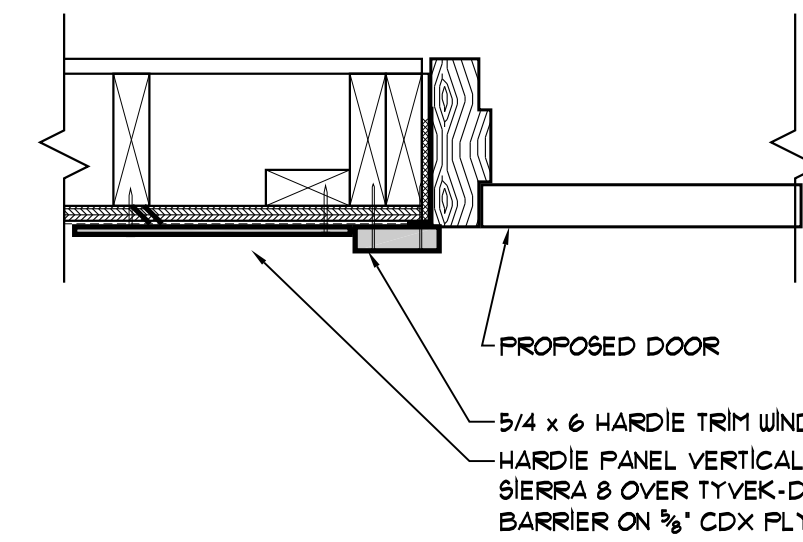
C SILL DETAIL
SCALE: 1 1/2" = 1'-0"



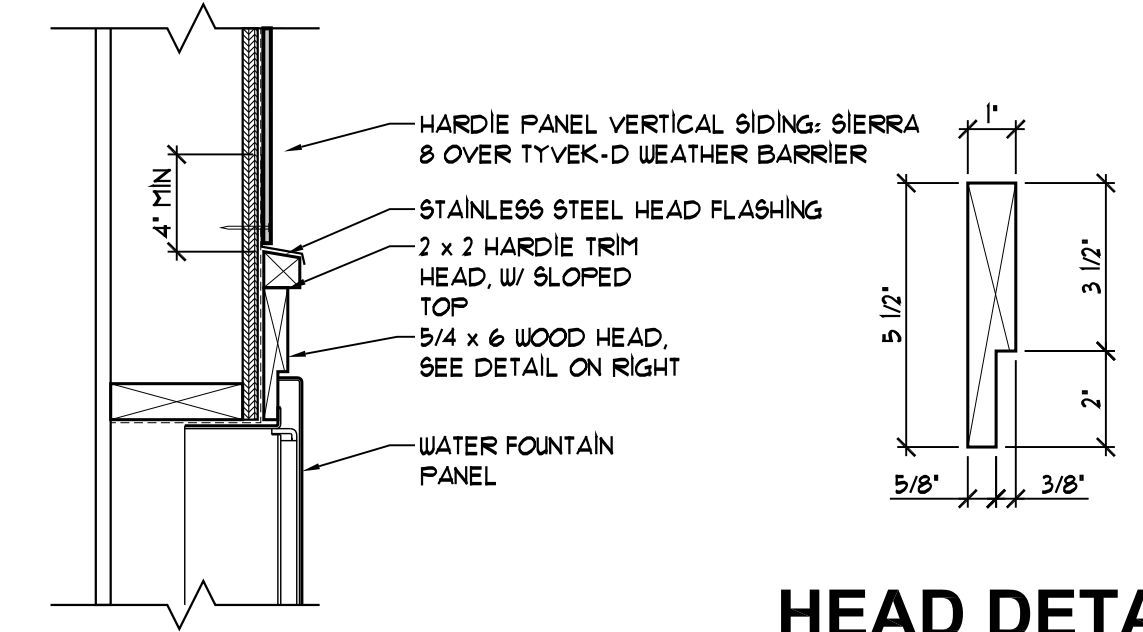
2 DOOR ELEVATION
SCALE: 1/2" = 1'-0"



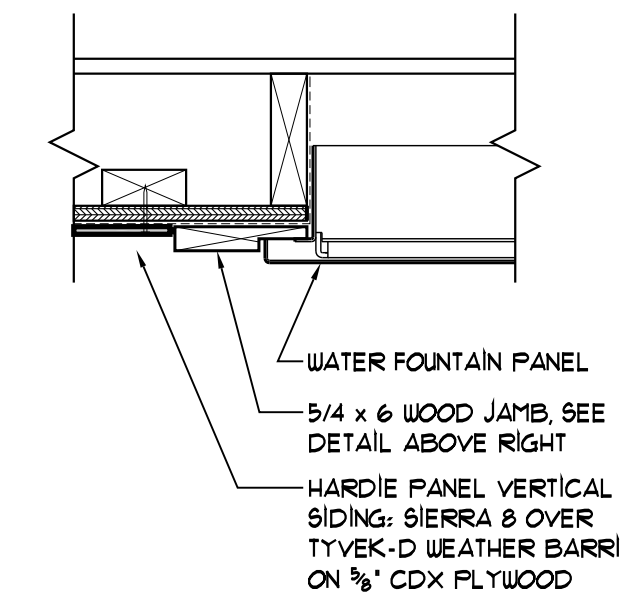
D DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



E DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

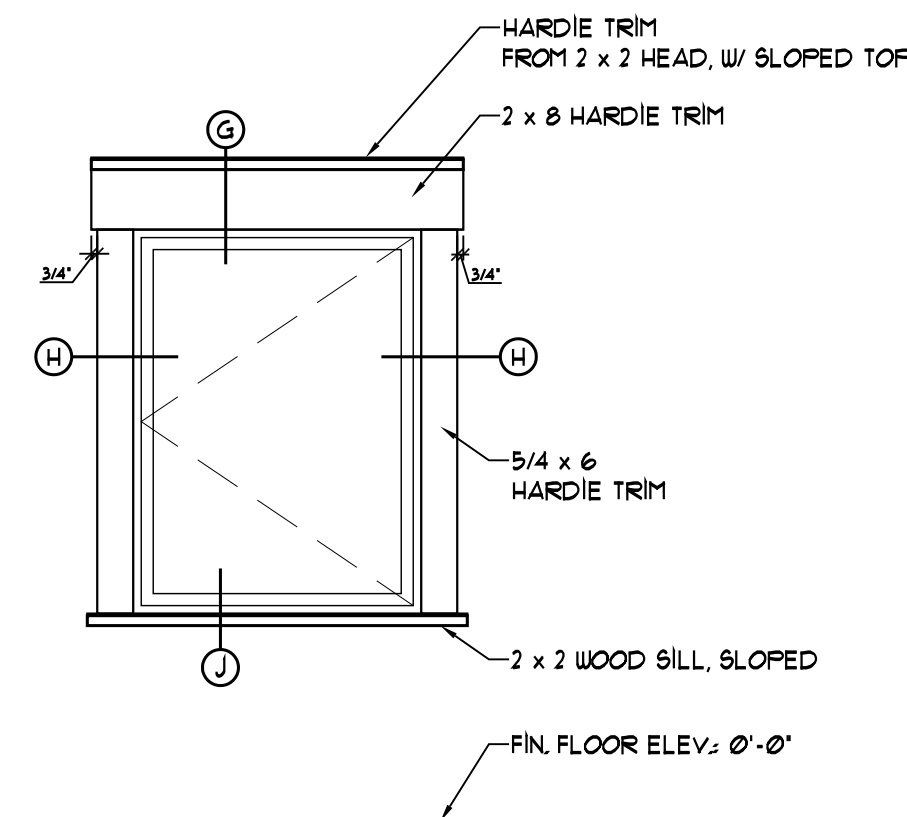


HEAD DETAIL

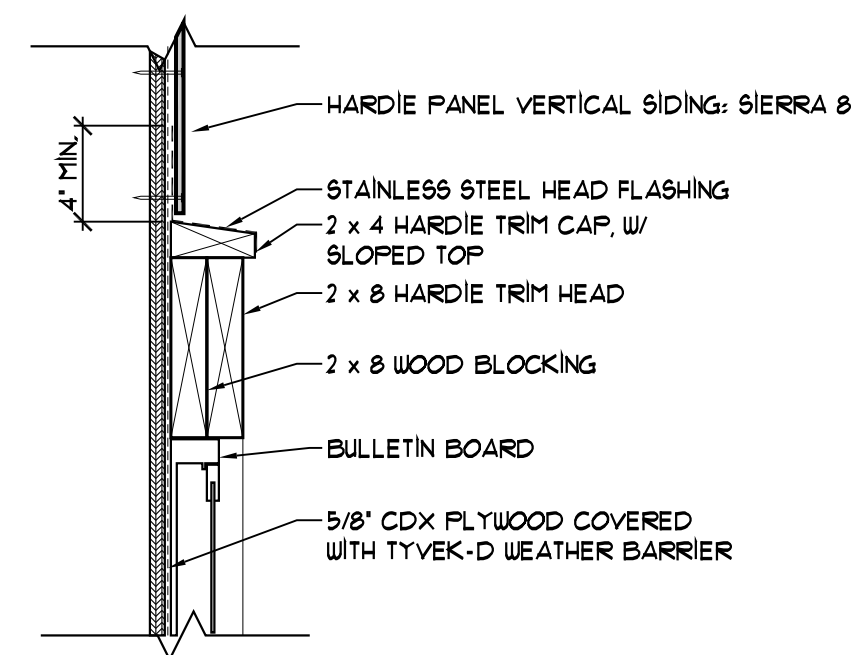


JAMB/SILL DETAIL

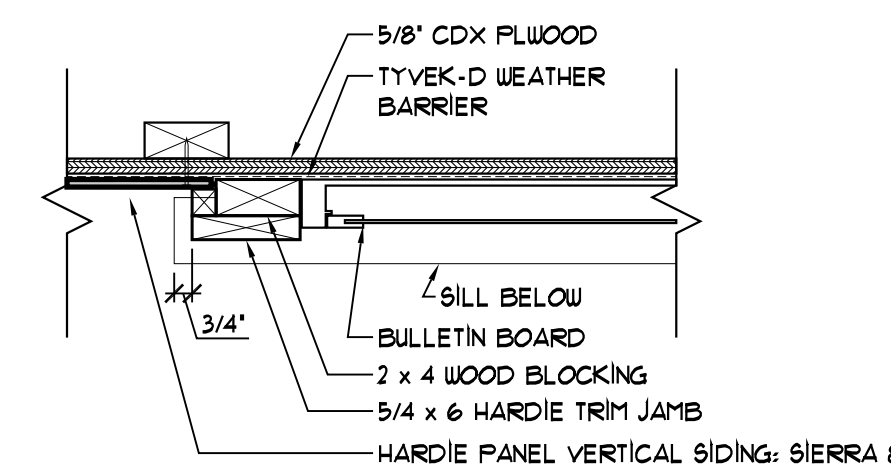
F WATER FOUNTAIN TRIM DETAIL
SCALE: 1 1/2" = 1'-0"



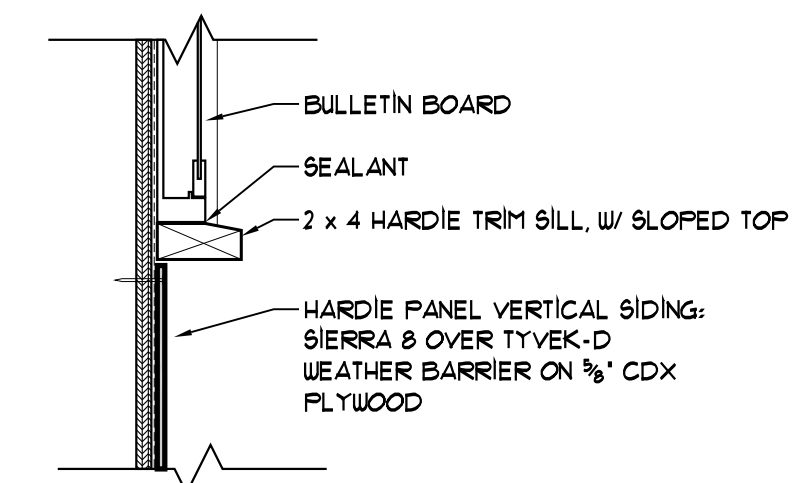
3 BULLETIN BOARD ELEVATION
SCALE: 1/2" = 1'-0"



G BULLETIN BOARD HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



H BULLETIN BOARD JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



J BULLETIN BOARD SILL DETAIL
SCALE: 1 1/2" = 1'-0"

STATUS SET 10/28/2014

SECTION 062013 - EXTERIOR FINISH CARPENTRY

PART 1 - GENERAL
1.1 SUMMARY
A. This Section includes the following:
1. Exterior standing and running trim.
2. Lumber siding.
3. Exterior stairs and railings.
1.2 DELIVERY, STORAGE, AND HANDLING
A. Protect materials against weather and contact with damp or wet surfaces.
PART 2 - PRODUCTS
2.1 MATERIALS, GENERAL
A. Lumber: DCC PS 20 and applicable grading rules of inspection agencies certified by ALSC's Board of Review.
2.2 WOOD-PRESERVATIVE-TREATED MATERIALS
A. Preservative Treatment by Pressure Process:
1. Lumber: AWPA C2 except that lumber that is not in contact with the ground and is continuously protected from liquid water may be treated according to AWPA C31 with inorganic boron (SBX).
2.2.1 STANDING AND RUNNING TRIM
A. Lumber Trim for Painted Finish:
1. Species and Grade: Eastern white pine, eastern hemlock-balsam fir-tamarack, eastern spruce, or white woods; Premium or 2 Common (Sitting), NALMA, NLGA, WCLUB, or WWPA.
2.2.2 STAIRS AND RAILINGS
A. Stairs:
1. Treads: 1-1/4-inch thick, kiln-dried, pressure-preservative-treated stepping with half-round or rounded edge nosing.
2.2.3 SIDING INSTALLATION
A. Horizontal Lumber Siding: Apply starter strip along bottom edge of sheathing or sill.
2.2.4 ADJUSTING
A. Replace exterior finish carpentry that is damaged or does not comply with requirements.

SECTION 071326 - SELF-ADHERING SHEET WATERPROOFING

PART 1 - GENERAL
1.1 SUMMARY
A. This Section includes the following:
1. Modified bituminous sheet waterproofing, under field areas and as flashing.
1.2 DELIVERY, STORAGE, AND HANDLING
A. Deliver liquid materials to project site in original packages with seals unbroken.
PART 2 - PRODUCTS
2.1 MODIFIED BITUMINOUS SHEET WATERPROOFING
A. Modified Bituminous Sheet: Not less than 60-mil-thick, self-adhering sheet consisting of 56 mils of rubberized asphalt laminated to a 4-mil-thick, polyethylene film with release liner on adhesive side.
2.2 AUXILIARY MATERIALS
A. General: Furnish auxiliary materials recommended by waterproofing manufacturer for intended use and compatible with sheet waterproofing.
PART 3 - EXECUTION
3.1 SURFACE PREPARATION
A. Clean, prepare, and treat substrates according to manufacturer's written instructions.
3.2 INSTALLATION, GENERAL
A. Do not use materials that are unsound, warped, improperly treated or finished, inadequately seasoned, or too small to fabricate with proper jointing arrangements.
3.3 PROTECTION AND CLEANING
A. Do not permit foot or vehicular traffic on unprotected membrane.

SECTION 071200 - THERMAL INSULATION

PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Spray polyurethane foam insulation and fire barrier.
1.2 SUBMITTALS
A. Product Data: For each type of product indicated.
B. Research/Evaluation Reports: For foam-plastic insulation, from ICC-ES.
1.3 QUALITY ASSURANCE
A. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency.
1.4 DELIVERY, STORAGE, AND HANDLING
A. Protect insulation materials from physical damage and from deterioration due to moisture, soiling, and other sources.
PART 2 - PRODUCTS
2.1 SPRAY POLYURETHANE FOAM INSULATION
A. Closed-Cell Polyurethane Foam Insulation: ASTM C 1029, Type II, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, per ASTM E 84.
PART 3 - EXECUTION
3.1 INSTALLATION, GENERAL
A. Comply with insulation manufacturer's written instructions applicable to products and applications indicated.
3.2 INSULATION OF INSULATION FOR FRAMED CONSTRUCTION
A. Apply insulation units to substrates by method indicated, complying with manufacturer's written instructions.

SECTION 072500 - WEATHER BARRIERS

PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Building wrap.
2. Flexible flashing.
PART 2 - PRODUCTS
2.1 WATER-RESISTIVE BARRIER
A. Building Wrap: ASTM E 1677, Type I air barrier; with flame-spread and smoke-developed indexes of less than 25 and 450, respectively, when tested according to ASTM E 84.
2.2 MISCELLANEOUS MATERIALS
A. Flexible Flashing: Composite, self-adhesive, flashing product consisting of a pliable, rubberized-asphalt compound, bonded to a high-density polyethylene film, aluminum foil, or spunbonded polyolefin to produce an overall thickness of not less than 0.040 inch.
PART 3 - EXECUTION
3.1 WATER-RESISTIVE BARRIER INSTALLATION
A. Cover exposed exterior surface of sheathing with water-resistive barrier securely fastened to framing immediately after sheathing is installed.
3.2 FLEXIBLE FLASHING INSTALLATION
A. Apply flexible flashing where indicated to comply with manufacturer's written instructions.

END OF SECTION 072500

SECTION 074113 - METAL ROOF PANELS

PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Exposed-fastener, lap-seam metal roof panels.
1.2 PERFORMANCE REQUIREMENTS
A. General Performance: Metal roof panels shall comply with performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction.
1.3 SUBMITTALS
A. Manufacturer Certificates: Signed by manufacturer certifying that roof panels comply with energy performance requirements specified in "Performance Requirements" Article.
B. Provide State of Florida or Miami-Dade County NCA
DELIVERY, STORAGE, AND HANDLING
B. Unload, store, and erect metal roof panels in a manner to prevent bending, warping, twisting, and surface damage.
C. Stack metal roof panels on platforms or pallets, covered with suitable weatheright and ventilated covering.
1.5 WARRANTY
A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace metal roof panel assemblies that fail in materials or workmanship within specified warranty period.
PART 2 - PRODUCTS
2.1 PANEL MATERIALS
A. Aluminum Sheet: Cold-coated steel, ASTM B 209, alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
2.2 UNDERLAYMENT MATERIALS
A. Self-Adhering, High-Temperature Sheet: 40 mils thick minimum, consisting of slip-resisting, polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied.
2.3 SUBSTRATE BOARDS
A. Glass-Mat Gypsum Sheathing Board: ASTM C 1177/C 1177M.

2.4 MISCELLANEOUS MATERIALS

A. Panel Fasteners: Self-lapping screws, bolts, nuts, self-locking rivets and bolts, end-welded studs, and other suitable fasteners designed to withstand design loads.
B. Bituminous Coating: Cold-applied asphalt mastic; SSPC-Paint 12, compounded for 15-mil dry film thickness per coat.
2.5 EXPOSED-FASTENER, LAP-SEAM METAL ROOF PANELS
A. General: Provide factory-formed metal roof panels designed to be installed by lapping side edges of adjacent panels and mechanically attaching panels to supports using exposed fasteners in side laps.
2.6 ACCESSORIES
A. Roof Panel Accessories: Provide components approved by roof panel manufacturer and as required for a complete metal roof panel assembly including trim, copings, fasciae, corner units, ridge closures, clips, flashings, sealants, gaskets, filers, closure strips, and similar items.
2.7 FABRICATION
A. Fabricate and finish metal roof panels and accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes and as necessary to fulfill indicated performance requirements.
2.8 FINISHES
A. Comply with NAIMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
3.1 EXAMINATION
A. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within fitness tolerances required by metal roof panel manufacturer.
3.2 PREPARATION
A. Substrate Board: Install substrate boards over roof sheathing on entire roof surface.
3.3 UNDERLAYMENT INSTALLATION
A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer.
3.4 METAL ROOF PANEL INSTALLATION, GENERAL
A. Provide metal roof panels of full length from eave to ridge unless otherwise indicated or restricted by shipping limitations.
3.5 METAL ROOF PANEL INSTALLATION
A. Lap-Seam Metal Roof Panels: Fasten metal roof panels to supports with fasteners at each lapped joint at location and spacing recommended by manufacturer.

END OF SECTION 074113

JERRY N. ZOLLER ARCHITECT / PLANNER
914 14th STREET W. BRADENTON, FL 34205
TEL: (941) 748-4465
FL. REG. 5926

PROPOSED BUILDING FOR MANATEE COUNTY: TOILET ROOMS
ROBINSON PRESERVE
1704 99th Street NW BRADENTON, FLORIDA

JOB NO 1403
DATE OCT. 15, 2014
DRAWN
CHECKED KB
REVISIONS

STATUS SET 10/28/2014
ARCHITECTURAL SPECIFICATIONS

A-12.1

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SECTION 079200 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Silicone joint sealants.
2. Latex joint sealants.

1.2 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.

B. Source Limitations: Obtain each kind of joint sealant from single source from single manufacturer.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.

B. Liquid-Applied Joint Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied joint sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.

C. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.2 SILICONE JOINT SEALANTS

A. Milkew-Resistant, Single-Component, Add-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use NT.

1. Products: Subject to compliance with requirements, provide one of the following:
 - a. BASF Building Systems; Omnilux.
 - b. Dow Corning Corporation; 786 Milkew-Resistant.
 - c. GE Advanced Materials - Silicone; Sanitary SC51700.
 - d. May National Associates, Inc.; Bondflex SII 100 WF.
 - e. Tremco Incorporated; Tremal 200 Sanitary.

2.3 LATEX JOINT SEALANTS

A. Latex Joint Sealant: Acrylic latex or aliphatic acrylic-latex, ASTM C 834, Type OP, Grade NF.

1. Products: Subject to compliance with requirements, provide one of the following:
 - a. BASF Building Systems; Soudac.
 - b. Bosik, Inc.; Chem-Calk 600.
 - c. Pecora Corporation; AC-20.
 - d. Schnee-Morehead, Inc.; SM 6200.
 - e. Tremco Incorporated; Tremflex 634.

2.4 JOINT SEALANT BACKING

A. General: Provide sealant backings of material that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

B. Cylindrical Sealant Backings: ASTM C 1330, Type C (closed-cell material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.

2.5 MISCELLANEOUS MATERIALS

A. Masking Tape: Nonstaining, nonabrasive material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), oil, grease, waterprooing, water repellents, water, surface dirt, and frost.
2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
 - a. Unglazed surfaces of ceramic tile.

B. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.3 INSTALLATION OF JOINT SEALANTS

A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.

B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

C. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.

1. Do not leave gaps between ends of sealant backings.
2. Do not stretch, twist, puncture, or tear sealant backings.
3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.

D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backings.

E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:

1. Place sealants so they directly contact and fully wet joint substrates.
2. Completely fill recesses in each joint configuration.
3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

F. Tooling of Nonsp Sealants: Immediately after sealant application and before skiving or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joints.

1. Remove excess sealant from surfaces adjacent to joints.
2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
3. Provide concave joint profile per Figure 8A in ASTM C 1193, unless otherwise indicated.
 - a. Use masking tape to protect surfaces adjacent to concealed tooling joints.

3.4 JOINT-SEALANT SCHEDULE

A. Joint-Sealant Application: Exterior joints in vertical surfaces and horizontal nontraffic surfaces.

1. Joint Locations:
 - a. Perimeter joints of frames of doors.
2. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.

B. Joint-Sealant Application: Milkew-resistant interior joints in vertical surfaces and horizontal nontraffic surfaces.

1. Joint Sealant Location:
 - a. Joints between plumbing fixtures and adjoining walls, floors, and counters.
2. Joint Sealant: Single component, nonsag, milkew-resistant, acid-curing.
3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.

END OF SECTION 079200

SECTION 081416 - DOORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid-core doors with faces.
2. Factory finishing doors.
3. Factory fitting doors to frames and factory machining for and installing hardware.

1.2 SUBMITTALS

A. Submit shop drawing for all doors & door hardware.

B. Product Data: For each type of door indicated. Include details of core and edge construction and trim for openings.

C. Provide NOA OR State of Florida Product Number.

1.3 QUALITY ASSURANCE

A. Source Limitations: Obtain doors from single manufacturer.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Comply with requirements of referenced standard and manufacturer's written instructions.

B. Package doors individually in plastic bags or cardboard cartons.

C. Mark each door on top and bottom rail with opening number used on Shop Drawings.

1.5 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace doors that fall in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
 - a. Warping (bow, cup, or holl) more than 1/4 inch in a 42-by-84-inch section.
 - b. Telegraphing of core construction in face veneers exceeding 0.01 inch in a 3-inch span.
2. Warranty shall also include installation and finishing that may be required due to repair or replacement of defective doors.
3. Warranty Period for Solid-Core Exterior Doors: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Plastpro Inc..

2.2 DOORS FOR OPAQUE FINISH

A. Exterior Doors: Distinction Series by Plastpro Inc. and Nan Ya Plastics Corp. Glazing shall be insulated glass meeting large missile impact requirements.

B. Door frames shall be Plastpro PVC..

C. Hardware on doors shall be as required to meet State of Florida NOA. Hardware shall be classroom function on doors 103, and 201. Doors 101, 102, 104, 105, shall each have privacy locks with classroom function dead bolts. Locksets and hinges shall be stainless steel. Provide LCN SRI series closers on all doors.

2.3 FABRICATION

A. Factory fit doors to suit frame-opening sizes indicated. Comply with clearance requirements of referenced quality standard for fitting unless otherwise indicated.

B. Openings: Cut and trim openings through doors in factory.

1. Light Openings: Trim openings with moldings of material and profile indicated.
2. Glazing: Factory install glazing in doors indicated to be factory finished. Comply with NOA.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and installed door frames before hanging doors.

1. Verify that frames comply with indicated requirements for type, size, location, and swing characteristics and have been installed with level heads and plumb jacks.
2. Reject doors with defects.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Hardware: For installation, see Division 08 Section "Door Hardware."

B. Installation Instructions: Install doors to comply with manufacturer's written instructions and the referenced quality standard, and as indicated.

C. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.

3.3 ADJUSTING

A. Operation: Rehang or replace doors that do not swing or operate freely.

B. Finished Doors: Replace doors that are damaged or that do not comply with requirements. Doors may be repaired or refinished if work complies with requirements and shows no evidence of repair or refinishing.

END OF SECTION 081416

SECTION 082000 - UNIT SKYLIGHTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Unit skylights mounted on curbs.

1.2 SUBMITTALS

A. Product Data: For each type of unit skylight indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for unit skylights.

B. Provide State of Florida or Miami-Dade County NOA.

1.3 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of unit skylights that fall in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
 - a. Uncontrolled water leakage.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - c. Yellowing of acrylic glazing.
2. Warranty Period: Ten years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

1. Basic-Of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings

2.2 MATERIALS

A. On toilet rooms provide Solatube 290 DS, with Type MR Flashing Kit, vasion diffuser, and required accessories.

B. On Classroom building provide Solatube 330DS-C-F11-TA-xx-L2-D

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Proceed with unit skylight installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Coordinate installation of unit skylight with installation of substrates, vapor retarders, roofing membrane, and flashing as required to ensure that each element of the Work performs properly and that combined elements are waterproof and weathertight.

B. Comply with recommendations in AAMA 1607 and with manufacturer's written instructions for installing unit skylights.

C. Install unit skylights level, plumb, and true to line, without distortion.

D. Anchor unit skylights securely to supporting substrates.

E. Where metal surfaces of unit skylights will contact incompatible metal or convolve substrates, including preservative-treated wood, apply blumious coating on concealed metal surfaces, or provide other permanent separation recommended in writing by unit skylight manufacturer.

F. Set unit skylight flanges in thick bed of roofing cement to form a seal unless otherwise indicated.

G. Where cap flashing is indicated, install to produce waterproof overlap with roofing or roof flashing. Seal with thick bead of mastic sealant except where overlap is indicated to be left open for ventilation.

3.3 CLEANING

A. Clean exposed unit skylight surfaces according to manufacturer's written instructions. Touch up damaged metal coatings and finishes.

B. Remove excess sealants, glazing materials, dirt, and other substances.

C. Remove and replace glazing that has been broken, chipped, cracked, abraded, or damaged during construction period.

D. Protect unit skylight surfaces from contact with contaminating substances resulting from construction operations.

END OF SECTION 082000

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Interior gypsum board.
2. Tile backing panels.

1.2 DELIVERY, STORAGE AND HANDLING

A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and supported on risers on a flat platform to prevent sagging.

1.3 FIELD CONDITIONS

A. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.

B. Do not install paper-faced gypsum panels until installation areas are enclosed and conditioned.

C. Do not install panels that are wet, those that are moisture damaged, and those that are mold damaged.

1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
2. Indications that panels are mold damaged include, but are not limited to, fuzzy or spotty surface contamination and discoloration.

PART 2 - PRODUCTS

2.1 GYPSUM BOARD, GENERAL

A. Size: Provide maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

2.2 INTERIOR GYPSUM BOARD

A. Manufacturers: Subject to compliance with requirements, provide products by the following:

1. USG Corporation.

B. Abuse-Resistant Gypsum Board: ASTM C 1629/C 1629M.

1. Core: 5/8 inch, Type X.
2. Long Edges: Tapered.
3. Mold Resistance: ASTM D 3273, score of 10.

2.3 TILE BACKING PANELS

A. Water-Resistant Backing Board:

1. Products: Subject to compliance with requirements, provide the following:
 - a. USG Aqua-Tough Tile Backer.
2. Core: 5/8 inch, Type X.
3. Mold Resistance: ASTM D 3273, score of 10.

2.4 TRIM ACCESSORIES

A. Interior Trim: ASTM C 1047.

1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
2. Shapes:
 - a. Bullnose bead.

2.5 JOINT TREATMENT MATERIALS

A. General: Comply with ASTM C 475/C 475M.

B. Joint Tape:

1. Interior Gypsum Board: Paper.
2. Tile Backing Panels: As recommended by panel manufacturer.

C. Joint Compound for Interior Gypsum Board: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.

1. Prefilling: At open joints, rounded or beveled panel edges, and damaged surface areas, use setting-type taping compound.
2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
 - a. Use setting-type compound for installing paper-faced metal trim accessories.
3. Fill Coat: For second coat, use setting-type, sandable topping compound.
4. Finish Coat: For third coat, use setting-type, sandable topping compound.

2.6 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.

B. Steel DRH Screws: ASTM C 1002, unless otherwise indicated.

1. Use screws complying with ASTM C 954 for fastening panels to framing.
2. For fastening continuous backer units, use screws of type and size recommended by panel manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and substrates including welded hollow-metal frames and framing, with Installer present, for compliance with requirements and other conditions affecting performance.

B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 APPLYING AND FINISHING PANELS, GENERAL

A. Comply with ASTM C 840.

B. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.

C. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.

D. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.

E. Wood Framing: Install gypsum panels over wood framing, with floating internal corner construction. Do not attach gypsum panels across the flat grain of wide-dimension lumber, including floor joists and headers. Float gypsum panels over these members or provide control joints to counteract wood shrinkage.

3.3 APPLYING INTERIOR GYPSUM BOARD

A. Install interior gypsum board in the following locations:

1. Abuse-Resistant Type: As indicated on Drawings.

B. Single-Layer Application:

1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing unless otherwise indicated.
2. On partitions/walls, apply gypsum panels horizontally (perpendicular to framing) unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
 - a. Stagger abutting end joints not less than one framing member in alternate courses of panels.
 - b. At stairwells and other high walls, install panels horizontally unless otherwise indicated or required by fire-resistance-rated assembly.
3. Fastening Methods: Apply gypsum panels to supports with steel DRH screws.

3.4 APPLYING TILE BACKING PANELS

A. Tile Backing Panels: Comply with manufacturer's written installation instructions and install at locations indicated to receive tile. Install with 1/4-inch gap where panels abut other construction or penetrations.

3.5 INSTALLING TRIM ACCESSORIES

A. General: For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.

B. Interior Trim: Install in the following locations:

1. Bullnose Bead: Use at outside corners.

3.6 FINISHING GYPSUM BOARD

A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.

B. Prefill open joints and damaged surface areas.

C. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.

D. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:

1. Level 4: At panel surfaces that will be exposed to view unless otherwise indicated.
 - a. Primer and its application to surfaces are specified in other Division 09 Sections.

3.7 PROTECTION

A. Protect adjacent surfaces from drywall compound and promptly remove from floors and other non-drywall surfaces. Repair surfaces stained, marked, or otherwise damaged during drywall application.

B. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.

C. Remove and replace panels that are wet, moisture damaged, and mold damaged.

1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
2. Indications that panels are mold damaged include, but are not limited to, fuzzy or spotty surface contamination and discoloration.

END OF SECTION 092900

SECTION 093000 - TILING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Ceramic tile.

PART 2 - PRODUCTS

2.1 PRODUCTS, GENERAL

A. ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated.

1. Provide tile complying with Standard grade requirements unless otherwise indicated.

B. ANSI Standards for Tile Installation Materials: Provide materials complying with ANSI A108.02. ANSI standards referenced in other Part 2 articles, ANSI standards referenced by TCA installation methods specified in tile installation schedules, and other requirements specified.

C. Factory Blending: For tile exhibiting color variations within ranges, blend tile in factory and package so tile units taken from one package show same range in colors as those taken from other packages and match approved Samples.

D. Mounting: For factory-mounted tile, provide back- or edge-mounted tile assemblies as standard with manufacturer unless otherwise indicated.

2.2 TILE PRODUCTS

A. As scheduled.

2.3 SETTING MATERIALS

A. Latex-Portland Cement Mortar (Thin Set): ANSI A118.4.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. C-Cure.
 - b. Jamo Inc.
 - c. Latitec International, Inc.
 - d. MAPEI Corporation.
 - e. Summerville Tiles, Inc.
2. Provide prepackaged, dry-mortar mix containing dry, redispersible, vinyl acetate or acrylic additive to which only water must be added at Project site.
3. Provide prepackaged, dry-mortar mix combined with acrylic resin or styrene-butadiene-rubber liquid-latex additive at Project site.
4. For wall applications, provide mortar that complies with requirements for nonsagging mortar in addition to the other requirements in ANSI A118.4.

2.4 GROUT MATERIALS

A. Sand-Portland Cement Grout: ANSI A108.10, composed of white or gray cement and white or colored aggregate as required to produce color indicated.

2.5 ELASTOMERIC SEALANTS

A. General: Provide sealants, primers, backer rods, and other sealant accessories that comply with the following requirements and with the applicable requirements in Division 07 Section "Joint Sealants."

1. Use primers, backer rods, and sealant accessories recommended by sealant manufacturer.
2. Colors: Provide colors of exposed sealants to match colors of grout in the adjoining sealed joints unless otherwise indicated.

C. One-Part, Milkew-Resistant Silicone Sealant: ASTM C 920, Type S, Grade NS, Class 25; Uses NT, G, A, and, as applicable to nonporous joint substrates indicated, C, formulated with fungicide, intended for sealing interior ceramic tile joints and other nonporous substrates that are subject to in-service exposures of high humidity and extreme temperatures.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Dow Corning Corporation; Dow Corning 786.
 - b. GE Silicones; a division of GE Specialty Materials; Sanitary 1700.
 - c. Latitec International, Inc.; Latail Tile & Stone Sealant.
 - d. Pecora Corporation; Pecora 888 Sanitary Silicone Sealant.
 - e. Tremco Incorporated; Tremal 600 White.

2.6 MISCELLANEOUS MATERIALS

A. Trowelable Underlayment and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials for installations indicated.

B. Tile Cleaner: A neutral cleaner capable of removing soil and residue without harming tile and grout surfaces, specifically approved for materials and installations indicated by tile and grout manufacturers.

2.7 MIXING MORTARS AND GROUT

A. Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.

B. Add materials, water, and additives in accurate proportions.

C. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time, and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installations indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.

1. Verify that substrates for setting tile are firm, dry, clean, free of coatings that are incompatible with tile-setting materials including curing compounds and other substances that contain soap, wax, oil, or silicone; and comply with fitness tolerances required by ANSI A108.01 for installations indicated.
2. Verify that joints and cracks in tile substrates are coordinated with tile joint locations; if not coordinated, adjust joint locations in consultation with Architect.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Fill cracks, holes, and depressions in concrete substrates for tile floors installed with thin-set mortar with trowelable leveling and patching compound specifically recommended by tile-setting material manufacturer.

B. Where indicated, prepare substrates to receive waterproofing by applying a reinforced mortar bed that complies with ANSI A108.1A and is spaced 1/4 inch per foot toward drains.

C. Blending: For tile exhibiting color variations, verify that tile has been factory blended and packaged so tile units taken from one package show same range of colors as those taken from other packages and match approved Samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.

3.3 TILE INSTALLATION

A. Comply with TCA's "Handbook for Ceramic Tile Installation" for TCA installation methods specified in the installation schedules. Comply with parts of the ANSI A108 Series "Specifications for Installation of Ceramic Tile" that are referenced in TCA installation methods, and apply to types of setting and grouting materials used.

B. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignment.

C. Accurately form intersections and returns. Perform cutting and drilling of tile without maring visible surfaces. Carefully grind out edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, covers, or covers overlap tile.

D. Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out work and center tile fields in both directions in each space or on each wall area. Lay out tile to minimize the use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.

1. For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets so joints between sheets are not apparent in finished work.
2. Where adjoining tiles on floor, base, walls, or trim are specified or indicated to be same size, align joints.
3. Where tiles are specified or indicated to be whole integer multiples of adjoining tiles on floor, base, walls, or trim, align joints unless otherwise indicated.

E. Joint Widths: Unless otherwise indicated, install tile with the following joint widths:

1. Ceramic Mosaic Tile: 1/16 inch.

3.4 CLEANING AND PROTECTING SURFACES TO BE FLOORED

A. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.

B. Clean grout smears and haze from tile according to tile and grout manufacturer's written instructions but no sooner than 10 days after installation. Use only cleaners recommended by tile manufacturer and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing from effects of cleaning. Flush surfaces with clean water before and after cleaning.

1.1 RETURN FROM EFFECTS OF CLEANING

A. Section Includes:

1. Return from effects of cleaning. Flush surfaces with clean water before and after cleaning.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Product Data: For each type of product indicated.

C. Before final inspection, remove protective coverings and rinse neutral protective cleaner from tile surfaces.

1.3 DELIVERY, STORAGE, AND HANDLING

END OF SECTION 093000

1.4 PROJECT CONDITIONS

A. Conditioning period begins not less than seven days before wood flooring installation, is continuous through installation, and continues not less than seven days after wood flooring installation.

1. Wood Flooring Conditioning: Move wood flooring into spaces where it will be installed, no later than the beginning of the conditioning period.
 - a. Do not install flooring until it adjusts to relative humidity of, and is at same temperature as, space where it is to be installed.
 - b. Open sealed packages to allow wood flooring to acclimatize immediately upon moving flooring into spaces in which it will be installed.

B. After conditioning period, maintain relative humidity and ambient temperature planned for building occupants.

PART 2 - PRODUCTS

2.1 WOOD FLOORING

A. Wood flooring shall be Konecto Prestige Collection. Species and color shall be as selected by the Owner for the full collection.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas and conditions, with Installer present, for compliance with requirements for maximum moisture content, installation tolerances, and other conditions affecting performance of wood flooring.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Broom or vacuum clean substrates to be covered immediately before product installation. After cleaning, examine substrates for moisture, alkaline salts, carbonation, or dust. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

A. Comply with flooring manufacturer's written installation instructions.

B. Roll after installation.

3.4 PROTECTION

A. Protect installed wood flooring during remainder of construction period with covering of heavy kraft paper or other suitable material. Do not use plastic sheet or film that might cause condensation.

1. Do not move heavy and sharp objects directly over kraft-paper-covered wood flooring. Protect flooring with plywood or hardboard panels to prevent damage from storing or moving objects over flooring.

END OF SECTION 094000

SECTION 096510 - RESILIENT TILE FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Vinyl composition floor tile.

PART 2 - PRODUCTS

2.1 VINYL COMPOSITION FLOOR TILE

A. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

1. Armstrong World Industries, Inc..
2. Congoleum Corporation.
3. Mannington Mills, Inc..
4. Tarkett, Inc..

B. Tile Standard: ASTM F 1066, Class 2, through-pattern tile.

C. Wearing Surface: Smooth.

D. Thickness: 0.125 inch.

E. Size: 12 by 12 inches.

F. Colors and Patterns: As selected by Architect from full range of industry colors.

2.2 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.

B. Adhesives: Water-resistant type recommended by manufacturer to suit floor tile and substrate conditions indicated.

PROPOSED BUILDING FOR MANATEE COUNTY: **JERRY N. ZOLLER ARCHITECT / PLANNER** P.A. 914 14th STREET W. BRADENTON, FL 34205 TEL: (941) 748-4465 FL. REG. 5926

TOILET ROOMS **ROBINSON PRESERVE** 1704 99th Street NW BRADENTON, FLORIDA

JOB NO	1403
DATE	OCT. 15, 2014
DRAWN	KB
CHECKED	KB
REVISIONS	

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor tile.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.

B. Fill cracks, holes, and depressions in substrates with trouble-free leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

C. Do not install floor tiles until they are same temperature as space where they are to be installed.

1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

D. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.3 FLOOR TILE INSTALLATION

A. Comply with manufacturer's written instructions for installing floor tile.

B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.

1. Lay tiles square with room axis.

C. Scribe, cut, and fit floor tiles to but neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.

D. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door opening.

E. Adhere floor tiles to floating substrate using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raking and puckering at joints, misregistering of adhesive spreader marks, and other surface imperfections.

3.4 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of floor tile.

B. Perform the following operations immediately after completing floor tile installation:

1. Remove adhesive and other blemishes from exposed surfaces.

2. Sweep and vacuum surfaces thoroughly.

3. Damp-mop surfaces to remove marks and soil.

END OF SECTION 096519

SECTION 09100 - PAINTING

SECTION 0912 - PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes surface preparation and the application of paint systems on the following substrates:

1. Wood.

2. Gypsum board.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Benjamin Moore & Co.

2. Sherwin-Williams Company (The).

3. Color Wheel

2.2 PAINT, GENERAL

A. Material Compatibility:

1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.

2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

B. Colors: As indicated in a color schedule.

2.3 PRIMERS/SEALERS

A. Interior Latex Primer/Sealer: S-W PrepRite® 200 Latex Primer, B28W100 (4 mils wet, 1.2 mils dry)

2.4 WOOD PRIMERS

A. Interior Latex-Based Wood Primer: S-W PrepRite® Classic Primer, B28W101 (4 mils wet, 1.6 mils dry)

B. Concealed rough lumber shall be coated with Timber, (800-264-0870) Nisus Corporation.

2.5 LATEX PAINTS

A. Interior Latex (Satin): S-W Duration® Home Latex Satin, B07-100 Series(4 mils wet, 1.5 mils dry per coat)

B. Interior Latex (Gloss): S-W Duration® Home Semi-Gloss, A88-100 Series(4 mils wet, 1.4 mils dry per coat)

2.6 EXTERIOR MATERIALS (Sliding)

A. Satin Finish

1. 1st Coat: Moon's High Build Acrylic Masonry Primer

2. 2nd Coat: MoorGuard 100% Acrylic Low Lustre Latex House Paint N103 (7 mils wet, 2.8 mils dry per coat)

3. 3rd coat Acrylic sliding stain, Moorscraft Stain 177

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.

B. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

C. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

B. Remove plates, machined surfaces, and similar items already in place that are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

2. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.

C. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encrustations.

1. Remove incompatible primers and reprime substrate with compatible primers as required to produce paint systems indicated.

D. Wood Substrates:

1. Scrape and clean knots, and apply coat of knot sealer before applying primer.

2. Sand surfaces that will be exposed to view, and dust off.

3. Prime edges, ends, faces, undersides, and backsides of wood.

4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

E. Gypsum Board Substrates: Do not begin paint application until finishing compound is dry and sanded smooth.

3.3 APPLICATION

A. Apply paints according to manufacturer's written instructions.

1. Use applicators and techniques suited for paint and substrate indicated.

2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

D. Apply paints to produce surface films without cloudiness, spotting, holidays, lips, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 INTERIOR PAINTING SCHEDULE

A. Dressed Lumber Substrates: Including architectural woodwork doors.

1. Latex System

a. Prime Coat: Interior latex-based wood primer.

b. Intermediate Coat: Interior latex matching topcoat.

c. Topcoat: Interior latex (semigloss).

B. Gypsum Board Substrates:

1. Latex System: For a Premium Grade system, select primer/sealer option in subparagraph below.

a. Prime Coat: Interior latex primer/sealer.

b. Intermediate Coat: Interior latex matching topcoat.

c. Topcoat: Interior latex (satin).

3.6 EXTERIOR SYSTEMS

A. Wood:

1. Latex System:

a. Prime Coat: Exterior latex matching topcoat.

b. Intermediate Coat: Exterior latex matching topcoat.

c. Topcoat: Exterior latex (semigloss).

END OF SECTION 09100

SECTION 101100 - VISUAL DISPLAY SURFACES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Sliding visual display units.

1.2 DEFINITIONS

A. Visual Display Board Assembly: Visual display surface that is factory fabricated into composite panel form, with a perimeter frame; Includes tackboards.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for visual display surfaces.

PART 2 - PRODUCTS

2.1 SLIDING VISUAL DISPLAY UNITS

A. Horizontal-Sliding Visual Display Units: Factory-fabricated units consisting of extruded-aluminum tubular frame, fixed-rear Visual display panel. Provide panels that operate smoothly without vibration or chatter.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. AARCO Products, Inc. Model 10-922 outdoor enclosed bulletin board with custom black powder coating.

b. Sliding Glass: Fabricated from laminated glass.

2. Hardware: Manufacturer's standard, extruded-aluminum overhead track and channel-shaped bottom guides; with two nylon ball-bearing carriers and two nylon rollers for each sliding panel.

2.2 FABRICATION

A. Factory-Assembled Visual Display Units: Coordinate factory-assembled units with trim and accessories indicated. Join parts with a neat, precision fit.

B. Aluminum Frames: Fabricate units straight and of single lengths, keeping joints to a minimum. Miter corners to a neat, half-line closure.

1. Where factory-applied trim is indicated, trim shall be assembled and attached to visual display units at manufacturer's factory before shipment.

2.3 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a stippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.4 ALUMINUM FINISHES

A. Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish. Color Black

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.

3.2 PREPARATION

A. Comply with manufacturer's written instructions for surface preparation.

3.3 INSTALLATION OF FACTORY-FABRICATED VISUAL DISPLAY UNITS

A. Sliding Visual Display Units: Install units in locations and at mounting heights indicated. Attach to wall framing with fasteners at not more than 16 inches o.c.

1. Adjust panels to operate smoothly without warp or bind. Lubricate operating hardware as recommended by manufacturer.

3.4 CLEANING AND PROTECTION

A. Touch up factory-applied finishes to restore damaged or soiled areas.

B. Cover and protect visual display surfaces after installation and cleaning.

END OF SECTION 101100

SECTION 102800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Public-use washroom accessories.

2. Childcare accessories.

3. Underlayment guards.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated. Include the following:

1. Construction details and dimensions.

2. Anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.

3. Material and finish descriptions.

4. Fasteners that will be included for Project.

5. Manufacturer's warranty.

1.3 QUALITY ASSURANCE

A. Source Limitations: For products listed together in the same Part 2 articles, obtain products from single source from single manufacturer.

B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.4 COORDINATION

A. Coordinate accessory locations with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.

B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Stainless Steel: ASTM A 666, Type 304, 0.031-inch minimum nominal thickness unless otherwise indicated.

B. Galvanized-Steel Mounting Devices: ASTM A 153A 153M, hot-dip galvanized after fabrication.

C. Fasteners: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant where exposed, and of galvanized steel where concealed.

D. Chrome Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).

E. Mirrors: ASTM C 1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.

F. ABS Plastic: Acrylonitrile-butadiene-styrene resin formulation.

2.2 PUBLIC-USE WASHROOM ACCESSORIES

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:

1. Bobick Washroom Equipment, Inc.

2. Bradley Corporation.

3. GLO Industries.

4. San Jamar

5. Rubbermaid

2.3 CHILDCARE ACCESSORIES

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:

1. Koala Kare Products: a division of Bobick Washroom Equipment, Inc.

2.4 UNDERLAYMENT GUARDS

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:

1. Truebro by IPS Corporation.

2.5 FABRICATION

A. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip units for concealed anchorage and with corrosion-resistant backing plates.

B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install accessories according to manufacturer's written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.

B. Grab Bars: Install to withstand a downward load of at least 250 lbf, when tested according to ASTM F 446.

3.2 ADJUSTING AND CLEANING

A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.

B. Remove temporary labels and protective coatings.

C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

END OF SECTION 102800

FL. REG. 5926

JERRY N. ZOLLER
 ARCHITECT / PLANNER
 914 14th STREET W. BRADENTON, FL 34205
 TEL: (941) 748-4465
 P.A.

PROPOSED BUILDING FOR MANATEE COUNTY:
TOILET ROOMS
ROBINSON PRESERVE
 1704 99th Street NW
 BRADENTON, FLORIDA

JOB NO	1403
DATE	OCT. 15, 2014
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A-12.3

STATUS SET 10/28/2014
ARCHITECTURAL SPECIFICATIONS

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