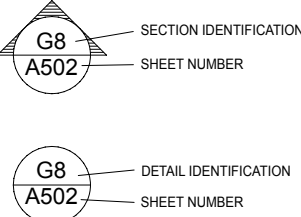


100% CONSTRUCTION DOCUMENTS

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
ALUM.	ALUMINUM
ALT.	ALTERNATE
APPROX.	APPROXIMATE
BD.	BOARD
BLK.	BUILDING
BLK.	BLOCK
BLT.	BUILT
BRK.	BROCK
BRKR.	BREAKER
BSEMT.	BASEMENT
C.J.	CONTROL JOINT
CLG.	CEILING
CLS.	CLAS
CMU.	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
CONC.	CONCRETE
CU.	CUPPER
CU FT.	CUBIC FOOT
CU IN.	CUBIC INCH
CU YD.	CUBIC YARD
DA.	DIAMETER
DBL.	DOUBLE
DRT.	DRY-BULB TEMPERATURE
DES.	DESIRE
DEPT.	DEPARTMENT
DF.	DRAINING FOUNTAIN DISCONNECT
DL.	DEAD LOAD
DN.	DOWN
D.S.	DOWN SPOUT
DWG.	DRAWING
E.F.	EXHAUST FAN
EXP. JT.	EXPANSION JOINT
EXT.	EXTENSION
FIN.	FINISH
FL.	FLOOR
FLUOR.	FLUORESCENT
FP.	FIREPLACE
HL.	HIRE RATING
FT.	FOOTING
FTG.	FOOTING
GAUV.	GALVANIZED
GFI.	GROUND FAULT CIRCUIT INTERRUPT
GOVT.	GOVERNMENT
GR FL.	GROUND FLOOR
GYP.	GYPSON
H.C.	HOLLOW CORE
H.D.G.	HOT DIPPED GALVANIZED
HEB.	HEATER
HWAR.	HARDWARE
H.P.	HORSEPOWER
HT.	HEIGHT
HTR.	HEATER
HV.	HIGH VOLTAGE
HVAC.	HEATING, VENTILATING AND AIR CONDITIONING
HWY.	HIGHWAY
ID.	INSIDE DIAMETER
IN.	INCH
INCAND.	INCANDESCENT
INCL.	INCLUDE
INSUL.	INSULATION
INT.	INTERIOR
INV. EL.	INVERT ELEVATION
JST.	JOIST
KD.	KILN DRIED
KW.	KILOWATT
KWH.	KILOWATT HOUR
LAM.	LAMINATED
LAV.	LAVATORY
LB.	POUND
LDG.	LOADING
LGTH.	LENGTH
LN.	LINEAR
LL.	LIVE LOAD
MANUF.	MANUFACTURE
MAX.	MAXIMUM
MF.	MILL FINISH
MIN.	MINIMUM
MLD.	MOLDING
MMV.	MEAN HIGH WATER
MMH.V.	MEAN HIGHER HIGH WATER
MLL.V.	MEAN LOW WATER
MLL.V.	MEAN LOWER LOW WATER
MSL.	MEAN SEA LEVEL
MOD.	MODIFICATION
NTE.	NOT TO SCALE
NO. 4.	NUMBER
OA.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OF.	OFFICE
OH.	OVERHEAD
OPP.	OPPOSITE
PARTN.	PARTITION
PC.	PORTLAND CEMENT
P.F.	POUNDS PER CUBIC FOOT
P.E.	PROFESSIONAL ENGINEER
PERF.	PERFORATE
PL.	PLATE
PL.	PLATE
PLY.	PLYWOOD
PLYWD.	PLYWOOD
PREFAB.	PREFABRICATED
PREFAB.	PREFABRICATED
P.F.	POUNDS PER SQUARE FOOT
PSF.	POUNDS PER SQUARE FOOT
PT.	PRESSURE TREATED
QS.	QUARTER SAWN
R.	RADIUS
RECT.	RECTANGLE
REBAR.	REINFORCING BAR
REFRIG.	REFRIGERATION
REIN.	REINFORCING
ROOF.	ROOFING
ROOM.	ROOM
RS.	ROUGH SAWN
S.C.	SOLID CORE
SD.	SECTION
SDG.	SIDING
SFTWD.	SOFTWOOD
SGD.	SLIDING GLASS DOOR
SH.	SHINGLES
SPEC.	SPECIFICATION
SPR.	SPRUE
SQ.	SQUARE
SQ. FT.	SQUARE FOOT
SQ. IN.	SQUARE INCH
SQ. YD.	SQUARE YARD
SS.	STAINLESS STEEL
STL.	STEEL
SUB. FL.	SUBFLOOR
SW.	SWITCH
SW.	SWITCH
S.Y.P.	SOUTHERN YELLOW PINE
SYST.	SYSTEM
SAS.	SURFACED FOUR SIDES
TEL.	TELEPHONE
MG.	TONGUE AND GROOVE
TYP.	TYPICAL
U.E.	UNDERGROUND ELECTRIC
UG.	UNDERGROUND
UL.	UNDERWRITERS
LAND.	LANDSCAPING, INC.
V.	VOLT
VENT.	VENTILATOR
VE.	VERIFY IN FIELD
VOL.	VOLUME
V.P.	VENT PIPE
VTR.	VENT THRU ROOF
W.	WATER
WB.	WET BULB TEMPERATURE
WC.	WATER CLOSET
WP.	WATERPROOF
WFF.	WELDED WIRE FABRIC
YD.	YARD

REFERENCE LEGEND



PONCE DE LEON SPRINGS STATE PARK
2860 PONCE DE LEON SPRINGS ROAD
PONCE DE LEON FL 32455

DISTRICT 1

HOLMES

RESTROOM ADDITIONS

PROJECT # 61354C

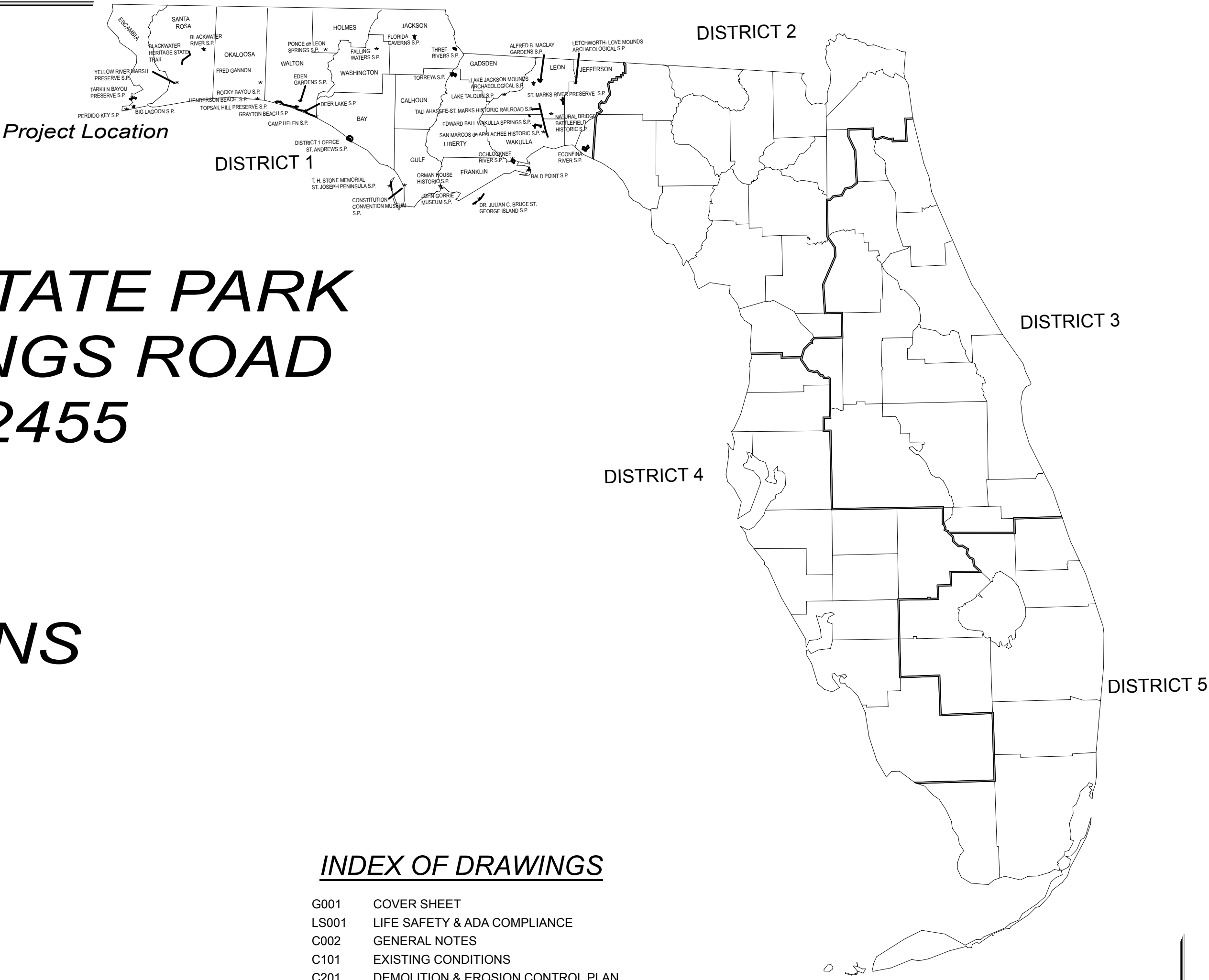
PROJECT SUMMARY

TWO ADA FAMILY RESTROOMS ARE BEING ADDED TO EITHER SIDE OF THE EXISTING RESTROOM BUILDING. EXISTING UNDERGROUND PLUMBING LINES ARE BEING MODIFIED AS REQUIRED TO ACCOMMODATE THE ADDITIONS. NEW ADA COMPLIANT WALKWAYS ARE BEING ADDED TO CONNECT THESE RESTROOMS TO THE EXISTING WALKWAYS ON SITE.

JODIE DODSON
DESIGNER

CN212
CONSULTANT CONTRACT No.

07/15/2022
INITIAL ISSUE DATE



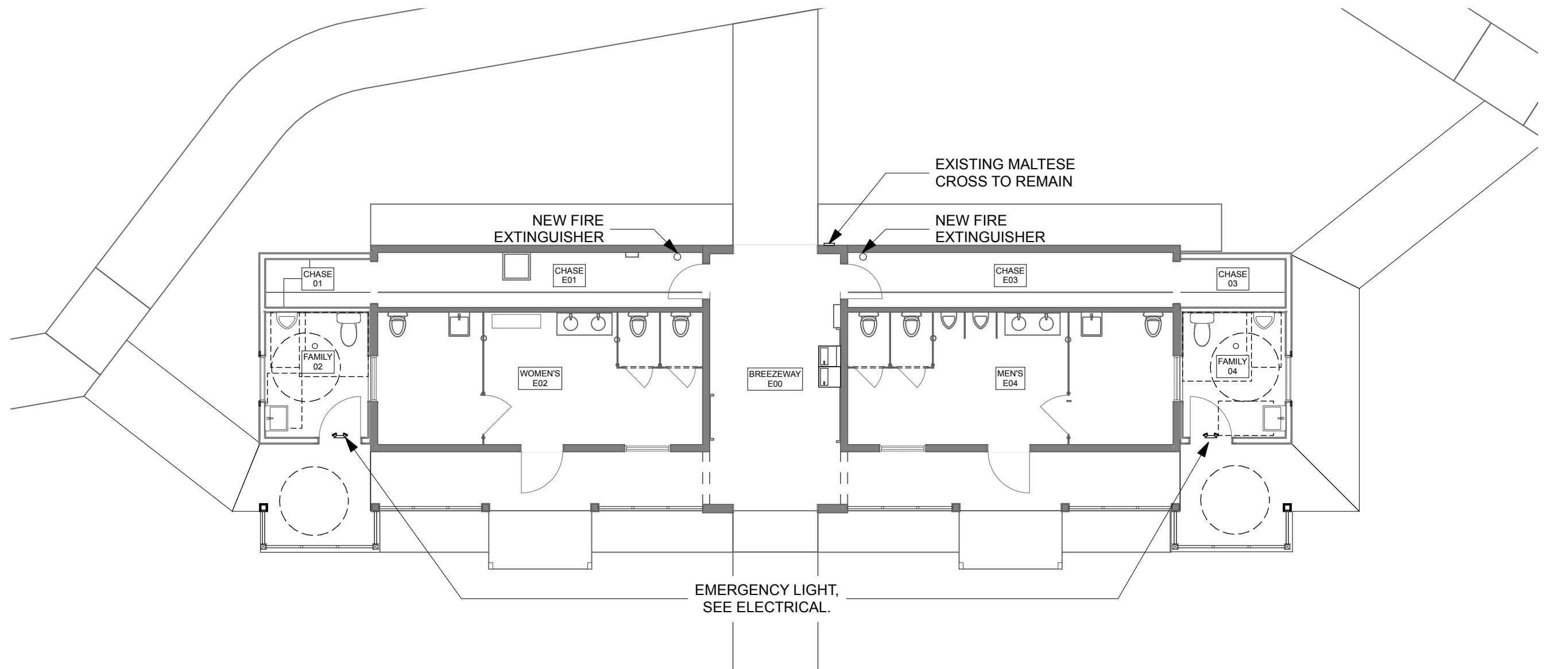
INDEX OF DRAWINGS

G001	COVER SHEET
LS001	LIFE SAFETY & ADA COMPLIANCE
C002	GENERAL NOTES
C101	EXISTING CONDITIONS
C201	DEMOLITION & EROSION CONTROL PLAN
C301	SITE PLAN
A401	DETAILS
A001	SCHEDULES
A101	FLOOR PLAN
A102	REFLECTED CEILING PLANS
A103	ROOF PLAN
A201	EXTERIOR ELEVATIONS DEMO
A202	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A302	WALL SECTIONS
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S100	COVER SHEET
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S102	STRUCTURAL NOTES
S103	STRUCTURAL PLAN SPECIFICATIONS
S110	ROOF & WALL WIND DIAGRAMS
S210	FIRST FLOOR & ROOF FRAMING PLAN
S301	FOUNDATION & SLAB ON GRADE DTLS
S411	WOOD TYPICAL DETAILS & SCHEDULES
S412	WOOD DETAILS
S413	WOOD DETAILS
M001	HVAC NOTES SCHEDULES & SHEET INDEX
M101	BATH HOUSE FLOOR PLAN - HVAC - RENO
E001	ELECTRICAL PLAN - LEGEND & NOTES
E100	ELECTRICAL PLAN - EXISTING/DEMOLITION
E101	ELECTRICAL PLAN - RENOVATIONS
P001	PLUMBING NOTES LEGEND & SHEET INDEX
P002	DETAILS - PLUMBING
P101	BATH HOUSE FLOOR PLAN - PLUMBING - DRAIN & VENT
P102	BATH HOUSE FLOOR PLAN - PLUMBING - PRESSURE
P301	RISER DIAGRAMS - PLUMBING



1 LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"



APPLICABLE BUILDING CODES

ALL NEW WORK TO BE IN ACCORDANCE WITH THE LATEST BUILDING CODES ADOPTED BY THE BUILDING AUTHORITIES HAVING JURISDICTION. WHERE CONFLICTS OCCUR BETWEEN CODES OR BETWEEN CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.

FLORIDA BUILDING CODE, BUILDING	7th EDITION (2020)
FLORIDA BUILDING CODE, RESIDENTIAL	7th EDITION (2020)
FLORIDA BUILDING CODE, EXISTING BUILDING	7th EDITION (2020)
FLORIDA BUILDING CODE, ACCESSIBILITY CODE	7th EDITION (2020)
FLORIDA BUILDING CODE, ENERGY CONSERV.	7th EDITION (2020)
FLORIDA BUILDING CODE, MECHANICAL	7th EDITION (2020)
FLORIDA BUILDING CODE, FUEL GAS	7th EDITION (2020)
FLORIDA BUILDING CODE, PLUMBING	7th EDITION (2020)
FLORIDA FIRE PREVENTION CODE	7th EDITION (2020)
NATIONAL ELECTRICAL CODE	2017 EDITION
NFPA 101 - LIFE SAFETY CODE	2020 EDITION

DISPOSE OF ALL NON-ACCEPTABLE AND/OR REGULATED CONSTRUCTION AND DEMOLITION DEBRIS, LANDFILL MATERIAL, OR OTHER REGULATED ITEMS SUCH AS FLUORESCENTS, BALLASTS, HID LAMPS, MERCURY CONTAINING SWITCHES AND THERMOSTATS, NEON SIGNS, LEAD AND OTHER RECHARGEABLE BATTERIES, PAINTS PESTICIDES, AND OTHER CHEMICALS LEGALLY. OTHER MATERIALS MAY BE IDENTIFIED. IF YOU ARE UNCERTAIN IF AN ITEM IS REGULATED, CONTACT THE WATER QUALITY DIVISION'S AQUIFER PROTECTIONS SECTION AT EITHER (850) 891-1227 OR (850) 891-1226. PRIOR TO THE REMOVAL OF REGULATED MATERIALS LISTED ABOVE, CONTACT THE AQUIFER PROTECTION SECTION. RECEIPTS FOR PROPER DISPOSAL MUST BE PRESENTED. PROVIDE COPIES TO THE LOCAL PERMITTING OFFICE.

CONSTRUCTION TYPE:

TYPE VB, UNSPRINKLERED
EXISTING BUILDING:
EXACT CONSTRUCTION IS UNKNOWN. FLOORS ARE SLAB-ON-GRADE. EXTERIOR WALLS ARE LOAD BEARING - A MIX OF WOOD FRAMING AND (POSSIBLY) CMU. ROOF CONSISTS OF A METAL ROOF INSTALLED OVER WOOD RAFTERS.
ADDITION:
SLAB-ON-GRADE WITH TURNED DOWN EDGE FOUNDATION.
WALLS CONSIST OF KILN-DRIED PRESSURE TREATED WOOD STUDS.
ROOF CONSISTS OF A METAL ROOF OVER CDX PLYWOOD AND PRE-ENGINEERED WOOD STUDS

OCCUPANCY CLASSIFICATION:

RESTROOM SERVING A DAY-USE PARK
U: UTILITY & MISCELLANEOUS

ALTERATION LEVEL III / ADDITION

GROSS SQUARE FOOT OF EXISTING BUILDING:	742.12 GSF
AREA UNDER ROOF OF EXISTING BUILDING:	1,345.14 SF
AREA OF ADDITION:	218.80 GSF
AREA UNDER ROOF OF ADDITION:	359.04 GSF
TOTAL BUILDING AREA AFTER CONSTRUCTION:	960.72 GSF
TOTAL AREA UNDER ROOF AFTER CONSTRUCTION:	1,621.46 GSF

FIRE SEPARATION DISTANCE:

DISTANCE TO CLOSEST STRUCTURE ON THE PROPERTY AFTER CONSTRUCTION EXCEEDS 75 FEET.
PER TABLE 802, NO REQUIRED RATING ON EXTERIOR WALL
PER TABLE 705.8, UNLIMITED NON-PROTECTED OPENINGS ALLOWED.

MALTESE CROSS:

AN EXISTING FIREFIGHTER'S MALTESE CROSS WITH THE LETTER (R) AS REQUIRED BY FLORIDA STATE STATUTE IS ALREADY PRESENT ON THE BUILDING AND MUST REMAIN. REPLACE WITH A NEW SIGN IF THE EXISTING IS DAMAGED DURING CONSTRUCTION.

FIRE EXTINGUISHERS:

ALL FIRE EXTINGUISHERS MUST COMPLY WITH NFPA 10 - CHAPTERS 5 & 6, AND WITH THE FLORIDA BUILDING CODE SECTION 906. PROVIDE A NEW FIRE EXTINGUISHERS, 10 LB. MULTI-PURPOSE (UL RATING AR-80B:C) IN EACH CHASE. WHERE EXISTING FIRE EXTINGUISHERS MEET THESE REQUIREMENTS, THEY CAN REMAIN. WALL MOUNT WITH BRACKET PROVIDED BY THE MANUFACTURER OF THE FIRE EXTINGUISHER.

GENERAL BUILDING HEIGHT AND AREA LIMITATIONS:

PER TABLE 504.3, ALLOWABLE BUILDING HEIGHT IS FOR TYPE VB:
U UTILITY: 40 FEET
EXISTING BUILDING HEIGHT IS LESS THAN 20 FEET FROM GRADE TO RIDGE. ADDITIONS ARE LOWER THAN THE EXISTING BUILDING HEIGHT.

PER TABLE 504.4, ALLOWABLE NUMBER OF STORIES IS:

U UTILITY: 2 STORIES
ACTUAL BUILDING IS A SINGLE STORY STRUCTURE. CONSTRUCTION WILL NOT IMPACT THIS.

PER TABLE 506.2, ALLOWABLE BUILDING AREA IS:

U UTILITY: 5,500 SF
TOTAL AREA UNDER THE ROOF AFTER CONSTRUCTION IS WELL UNDER THIS LIMIT.

OCCUPANT LOAD:

BUILDING IS NOT OCCUPIED

EXTERIOR SIDEWALK REQUIREMENTS:

MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL = 1:20
MAXIMUM CROSS SLOPE = 1:50.
SLOPE SIDEWALKS AWAY FROM THE BUILDING.
CONNECT NEW SIDEWALKS FLUSH TO EXISTING SIDEWALKS. ANY LIP SHALL NOT EXCEED 1/4".
AT DOORS, SIDEWALKS TO SLOPE AWAY FROM THE BUILDING INTERIOR. TOP OF SLAB SHALL BE WITHIN 1/2" OF TOP OF FINISHED FLOOR ELEVATION.
THRESHOLD AT RESTROOM DOORS MUST BE ADA COMPLIANT.
SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

IF EXISTING CONDITIONS PREVENT COMPLIANCE WITH ANY OF THE ABOVE, NOTIFY THE ARCHITECT PRIOR TO HAVING ANY CONCRETE DELIVERED TO THE SITE OR INSTALLED.

USE OF ELECTRONIC FILES:

DODSTONE MAY TRANSFER TO THE CONTRACTOR BIM FILES, CAD FILES, OR OTHER ELECTRONIC DATA FOR USE IN PREPARING SHOP DRAWINGS. THE CONTRACTOR SHALL EMAIL A REQUEST FOR BIM OR CAD FILES ALONG WITH AN ACKNOWLEDGEMENT THAT HE/SHE HAS READ AND AGREED TO THE FOLLOWING TERMS AND CONDITIONS:

- THE ELECTRONIC DATA REMAINS THE PROPERTY OF DODSTONE, AND IN NO CASE SHALL THE TRANSFER OF THESE FILES BE CONSIDERED A SALE. THE FILES SHALL NOT BE USED FOR OTHER PROJECTS, ADDITIONS TO THIS PROJECT, OR FOR COMPLETION OF THIS PROJECT BY OTHERS.
- THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT THE ELECTRONIC DATA ACCURATELY REPRESENTS THE CONTRACT DOCUMENTS. IN THE EVENT OF A CONFLICT, THE CONTRACT DOCUMENTS SHALL GOVERN.
- THE ELECTRONIC DATA IS CURRENT AS OF THE DATE OF TRANSFER BUT MAY SUBSEQUENTLY BE REVISED OR SUPPLEMENTED. IF SO THE CONTRACTOR MAY REQUEST UPDATED ELECTRONIC DATA.
- THE USE OF THE ELECTRONIC DATA SHALL NOT MODIFY THE CONTRACTOR'S RESPONSIBILITY FOR COORDINATION WITH OTHER TRADES, OR FOR THE PROPER CHECKING AND COORDINATION OF DIMENSIONS, DETAILS, MEMBER SIZES AND GAGE, AND QUANTITIES OF MATERIALS TO FACILITATE COMPLETE AND ACCURATE FABRICATION AND ERECTION.
- DO NOT SCALE DIMENSIONS SINCE THE ELECTRONIC DATA MAY NOT BE PRECISE AND, IN SOME CASES HAVE BEEN INTENTIONALLY ALTERED FOR PRESENTATION PURPOSES.
- CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS DODSTONE FROM ALL CLAIMS, DAMAGES, LOSSES, EXPENSES, PENALTIES, AND LIABILITIES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THE ELECTRONIC DATA BY CONTRACTOR OR OTHERS.

EXISTING CONDITION NOTES:

- NO RECORD DRAWINGS OF THE EXISTING BUILDING WERE AVAILABLE. CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS BEFORE PROCEEDING WITH THE FABRICATION AND INSTALLATION OF NEW WORK.
- THE EXISTING CONDITIONS INDICATED IN THESE DOCUMENTS ARE PROVIDED IN GOOD FAITH, BUT MAY NOT BE PERFECTLY ACCURATE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OBSERVED ALONG WITH THE NECESSARY WRITTEN DESCRIPTIONS, SKETCHES, FIELD MEASUREMENTS, SIZES AND LOCATIONS OF EXISTING MEMBERS AND PHOTOGRAPHS TO DESCRIBE THE DISCREPANCY.
- SEE ADDITIONAL NOTES REGARDING EXISTING CONDITIONS INCLUDED IN THE STRUCTURAL DRAWINGS.

GENERAL NOTES

PER FBC-A, 2020, ANY DIMENSIONS PROVIDED IS A RANGE AS ASSUMED TO ADDRESS CONSTRUCTION TOLERANCES. DIMENSIONS LISTED AS 'MAX.' OR 'MIN.' ARE ASSUMED TO ADDRESS CONSTRUCTION TOLERANCES. FINAL MEASUREMENTS MUST BE WITHIN THE LISTED PARAMETERS. THE GC IS RESPONSIBLE FOR ACCOUNTING FOR FINAL INSTALLED CONDITIONS WHEN LOCATING ITEMS. ALL DIMENSIONS FOR PLUMBING FIXTURES AND RESTROOM ACCESSORY LOCATIONS ARE TO FINISHED FLOOR AND WALL SURFACES UNLESS NOTED OTHERWISE.

MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE.

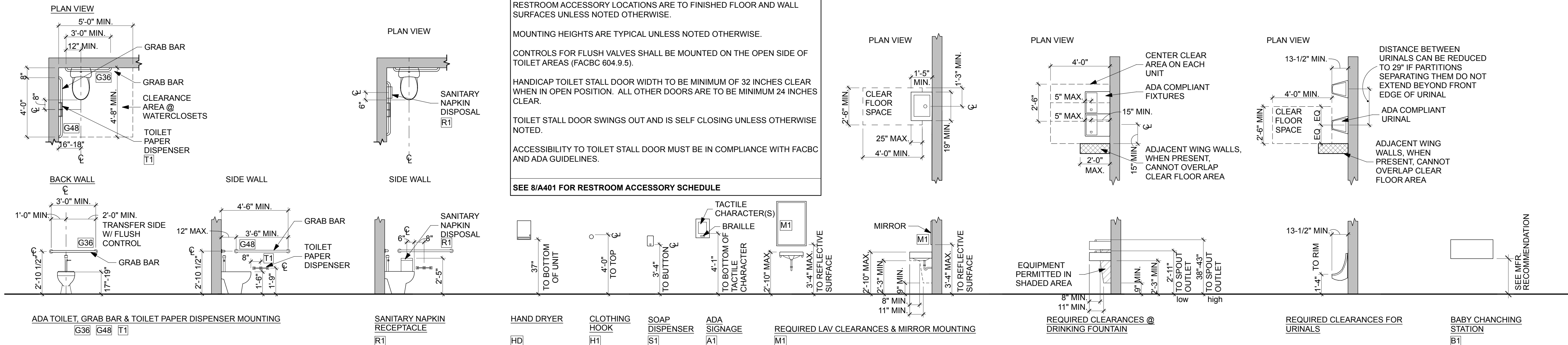
CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE OPEN SIDE OF TOILET AREAS (FACBC 604.9.5).

HANDICAP TOILET STALL DOOR WIDTH TO BE MINIMUM OF 32 INCHES CLEAR WHEN IN OPEN POSITION. ALL OTHER DOORS ARE TO BE MINIMUM 24 INCHES CLEAR.

TOILET STALL DOOR SWINGS OUT AND IS SELF CLOSING UNLESS OTHERWISE NOTED.

ACCESSIBILITY TO TOILET STALL DOOR MUST BE IN COMPLIANCE WITH FACBC AND ADA GUIDELINES.

SEE 8/A401 FOR RESTROOM ACCESSORY SCHEDULE

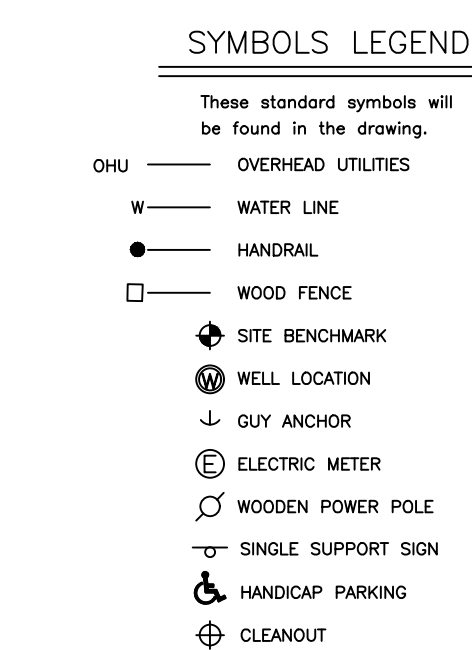


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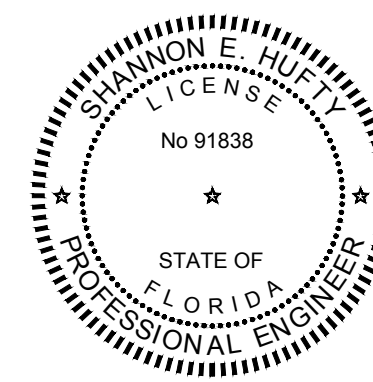
ADA COMPLIANCE DETAILS

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

DESIGNER:	JODIE DODSON	ISSUE DATE:	06/22/2022	SYMBOL	REVISION	DATE
DRAWN BY:	KZ	COMP. FILE NO.:	61354C	SYMBOL	REVISION	DATE
REVIEWED BY:	JD	STATE PROJECT NO.:	61354C	SYMBOL	REVISION	DATE
Consultant:						
PROFESSIONAL REGISTRATION			JOEL DODSON AR0015211			
PONCE DE LEON SPRINGS STATE PARK			PROJECT TITLE			
LIFE SAFETY & ADA COMPLIANCE			PROJECT TITLE			
RESTROOM ADDITIONS			PROJECT TITLE			
SHEET NO.			LS001			
Department of Environmental Protection			Division of Recreation and Parks			
Bureau of Design and Construction			3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300			



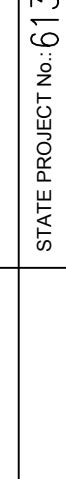
1. HORIZONTAL LOCATION IS BASED ON STATE PLANE COORDINATES, FLORIDA NORTH PROJECTION, NAD83 DATUM, THE ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 VERTICAL DATUM ESTABLISHED FROM FDOT BENCHMARK "10+75-A38" AND "32+21-A05".
2. NO UNDERGROUND UTILITIES WERE PHYSICALLY LOCATED DURING THIS SURVEY EFFORT.
3. ALL MEASUREMENT ARE IN U.S. SURVEY FEET.
4. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR.
5. THIS IS NOT A BOUNDARY SURVEY.



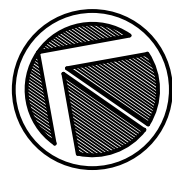
GEORGE & ASSOCIATES CONSULTING ENGINEERS, INC.
1967 COMMONWEALTH LANE, SUITE 200
TALLAHASSEE, FL 32303
CERTIFICATE OF AUTHORIZATION: 7879
SHANNON E. HUFTY, P.E. NO. 91838

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SHANNON E. HUFTY, P.E. ON
THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

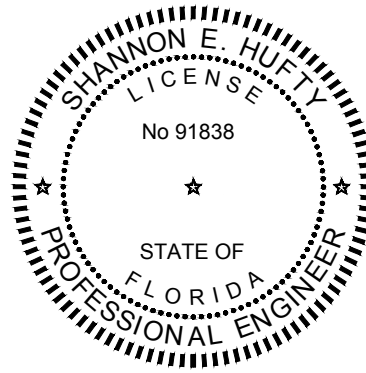
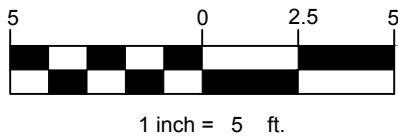
C 101	PONCE DE LEON SPRINGS STATE PARK		PROFESSIONAL REGISTRATION	
	SHEET TITLE	EXISTING CONDITIONS	SHANNON E. HUFTY State of Florida P.E. # 91838	
	PROJECT TITLE	RESTROOM IMPROVEMENTS		
DESIGNER: SEH DRAWN BY: KRM REVIEWED BY: SEH ISSUE DATE: 07/15/2022 COMP. FILE NO.: STATE PROJECT NO: 61354C SYMBOL SYMBOL SYMBOL REVISION REVISION REVISION DATE DATE DATE				
Consultant: 			Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3900 Commonwealth Boulevard, Tallahassee, FL 32399 (950) 245-2118	

SHUFTY April 27, 2022 P:\Projects\22-5462 DCA Ponce De Leon SP Restroom Improvements\Drawings\Civil\01 Proposed.dwg



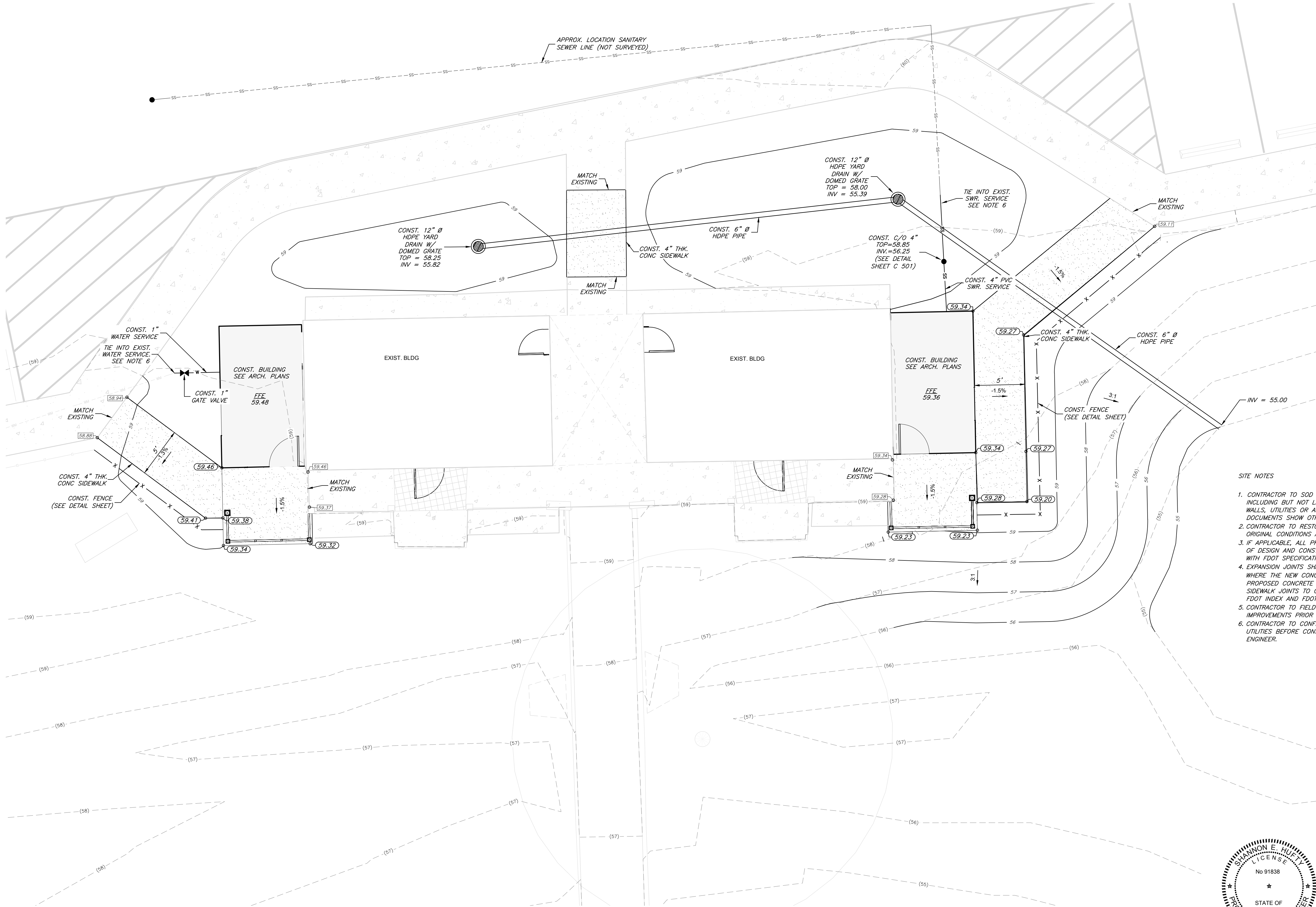
SITE PLAN

SCALE: 1" = 5'



GEORGE & ASSOCIATES CONSULTING ENGINEERS, INC.
1967 COMMONWEALTH LANE, SUITE 200
TALLAHASSEE, FL 32303
CERTIFICATE OF AUTHORIZATION: 7879
SHANNON E. HUFTY, P.E. NO. 91838

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- LEGEND**
- W WATER LINE
 - SS SANITARY SEWER
 - PROPOSED BUILDING
 - PROPOSED CONCRETE
- SPOT ELEVATION LEGEND**
- PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION

- SITE NOTES**
- CONTRACTOR TO SOD ANY AND ALL DISTURBED AREAS INCLUDING BUT NOT LIMITED TO WHERE EXISTING CONCRETE, WALLS, UTILITIES OR ASPHALT WAS LOCATED UNLESS DESIGN DOCUMENTS SHOW OTHERWISE.
 - CONTRACTOR TO RESTORE ANY DISTURBED LANDSCAPE TO ORIGINAL CONDITIONS AND MITIGATE IF NECESSARY.
 - IF APPLICABLE, ALL PROPOSED NEW SIGNAGE TO BE PER BUREAU OF DESIGN AND CONSTRUCTION GUIDELINES AND AND COMPLY WITH FDOT SPECIFICATIONS.
 - EXPANSION JOINTS SHALL BE CONSTRUCTED AT ALL LOCATIONS WHERE THE NEW CONCRETE IS ADJACENT TO EXISTING AND/OR PROPOSED CONCRETE SLABS, SIDEWALKS, STRUCTURES. ALL SIDEWALK JOINTS TO CONFORM WITH THE LATEST EDITION OF FDOT INDEX AND FDOT SPECIFICATIONS.
 - CONTRACTOR TO FIELD VERIFY ALL QUANTITIES SHOWN AS NEW IMPROVEMENTS PRIOR TO BID.
 - CONTRACTOR TO CONFIRM DEPTH, MATERIAL, AND SIZE OF ALL UTILITIES BEFORE CONSTRUCTING IMPROVEMENTS AND NOTIFY ENGINEER.

C 301	SHEET NO.	PONCE DE LEON SPRINGS STATE PARK		PROFESSIONAL REGISTRATION				
	SHEET TITLE	SITE PLAN		DESIGNER: SEH	ISSUE DATE: 07/15/2022	SYMBOL	REVISION	DATE
	PROJECT TITLE	RESTROOM IMPROVEMENTS		DRAWN BY: KRM	COMP. FILE NO.:			
				REVIEWED BY: SEH	STATE PROJECT No.: 61354C			
				Consultant:				
				DODSTONE ARCHITECTS 301-F Powell Road Tallahassee, FL 32308 850.557.2251 DCA2001022				
				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2118				

DOOR SCHEDULED NOTES:
1. PROVIDE ADA COMPLIANT STONE THRESHOLD SET IN A FULL BED OF SEALANT.
2. CASED OPENING. NO DOOR LEAF OR HARDWARE.

GENERAL DOOR COMMENTS:
1. FIELD VERIFY ALL OPENING SIZES PRIOR TO MANUFACTURING DOORS.
2. SET ALL SILL FLASHING IN A FULL BED OF SEALANT.
3. PER CODE, FINISHED FLOOR SURFACE ON BOTH SIDES OF ALL DOORS SHALL NOT VARY BY MORE THAN 1/2" FOR A DISTANCE NOT LESS THAN THE WIDEST DOOR LEAF.
4. SUBMIT FLORIDA APPROVAL NUMBER OR ENGINEERING DATA PREPARED BY A FLORIDA LICENSED ENGINEER DEMONSTRATING COMPLIANCE WITH THE FLORIDA BUILDING CODE'S DESIGN PRESSURE REQUIREMENTS FOR ALL EXTERIOR DOORS

HARDWARE SET 1:			
HINGES:	CBB199 4.5 x 4.5	US32D/630	STANLEY
DEAD BOLT:	DZ11	630	YALE
LOCK SET:	PB5422 LN	US26/626	YALE
KICK PLATE:	1905 8" x 34"	US32D	HAGER
DOOR HOLDER:	271D	US26	HAGER
CLOSER:	8301BF	ALUMINUM	NORTON
SWEEP:	-	ALUMINUM	NATIONAL GUARD
SILENCERS:	-	GREY	

ABBREVIATIONS:
ALUM = ALUMINUM
N/A = NOT APPLICABLE

ID	DOOR LEAF PROPERTIES					DOOR FRAME PROPERTIES			DETAILS		HW SET	NOTE
	TYPE	W x H	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB		
C 01	N/A	3'-0"x6'-8"	0"	N/A	N/A	WD3	WOOD	PAINT	7/A001	10/A001	N/A	2
C 03	N/A	3'-0"x6'-8"	0"	N/A	N/A	WD3	WOOD	PAINT	7/A001	10/A001	N/A	2
D 02	HL1	3'-0"x6'-8"	1 3/4"	ALUM	PAINT	ALUM	ALUM	PAINT	5/A001	6/A001	1	1
D 04	HL1	3'-0"x6'-8"	1 3/4"	ALUM	PAINT	ALUM	ALUM	PAINT	5/A001	6/A001	1	1

1 DOOR SCHEDULE

SPECIFICATIONS/BASIS-OF-DESIGN:
ALL PRODUCTS LISTED ARE 'BASIS-OF-DESIGN'. PRODUCTS DETERMINED TO BE 'EQUAL' BY THE ARCHITECT OR BY DEPS DESIGNATED REPRESENTATIVE WILL ALSO BE ACCEPTED.

FLOOR TILE:

UNGLAZED, PORCELAIN CUSHION-EDGED CERAMIC 1"x1" TILE, BACK OR EDGE MOUNTED ONTO SHEETS. STANDARD GRADE IN COMPLIANCE WITH ANSI A137.1 SURFACE: SMOOTH, MATT FINISH, NON-SLIP. INSTALL AS RECOMMENDED BY MANUFACTURER OVER UNCOUPLING MEMBRANE (SCHLUTER - DITRA OR APPROVED EQUAL). MEDIUM SET MORTAR. GROUT TYPE: POLYMER MODIFIED UNSANDED GROUTING COMPOUND. SETTING BED ACCESSORIES PER ANSI A108.1A.

BASIS-OF-DESIGN INCLUDES:
1"x1" AMERICAN OLEAN PORCELAIN TILE w/ COORDINATING BASE USING COVE BASE AND BULLNOSED EDGE AT ALL EXPOSED EDGES, SEE 9/A001.

SUBMIT CUT SHEETS OF ALL PRODUCTS PROPOSED FOR USE. SUBMIT ACTUAL SAMPLES TO ARCHITECT AND TO DEPS PROJECT MANAGER FOR COLOR SELECTIONS.

GYPSUM BOARD PRODUCTS:

MOISTURE RESISTANT GYPSUM BOARD USE 5/8" FIBEROCK BRAND AQUA-TOUGH (FRX-G) BY USG OR ARCHITECT APPROVED EQUAL.

DO NOT USE ANY GYPSUM BOARD PRODUCTS MANUFACTURED IN CHINA.

FRP:

FIBERGLASS REINFORCED PANELS PEBBLE FINISH, 4'X8" PANELS w/ HEAVY WEIGHT ALUMINUM TRIM ALONG BASE AND PCV TRIM ELSEWHERE. SEE DETAIL 8/A001.

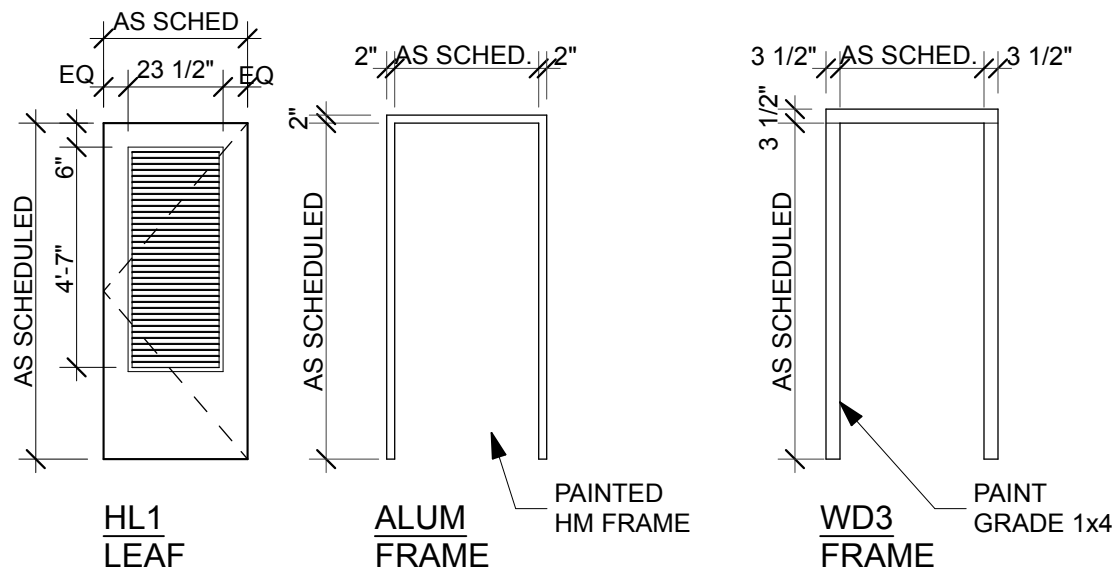
CEMENT BOARD:

1/2" USG DUROCK BRAND CEMENT BOARD. TREAT SEAMS AND EDGES AS REQUIRED SO THEY DO NOT TELEGRAPH THROUGH THE FRP PANELS.

ROOM NO.	ROOM NAME	FLOOR		WALL		CEILING	NOTE
		FINISH	BASE	MATERIAL	FINISH		
01	CHASE	SEALED	N/A	GYP	PAINT	OPEN	2
02	FAMILY	TILE	TILE	CEM.BD.	FRP	GYP	1
03	CHASE	SEALED	N/A	GYP	PAINT	OPEN	2
04	FAMILY	TILE	TILE	CEM.BD.	FRP	GYP	1

2 FINISH SCHEDULE

BASIS-OF-DESIGN IS THE SERIES 100BE OUTSWING ALUMINUM DOOR BY CLINE ALUMINUM DOORS, INC. FLORIDA APPROVAL NUMBER: FL-6336.9
INSTALL AS REQUIRED TO MEET SPECIFIED WIND PRESSURES SHOWN ON THE STRUCTURAL DRAWINGS



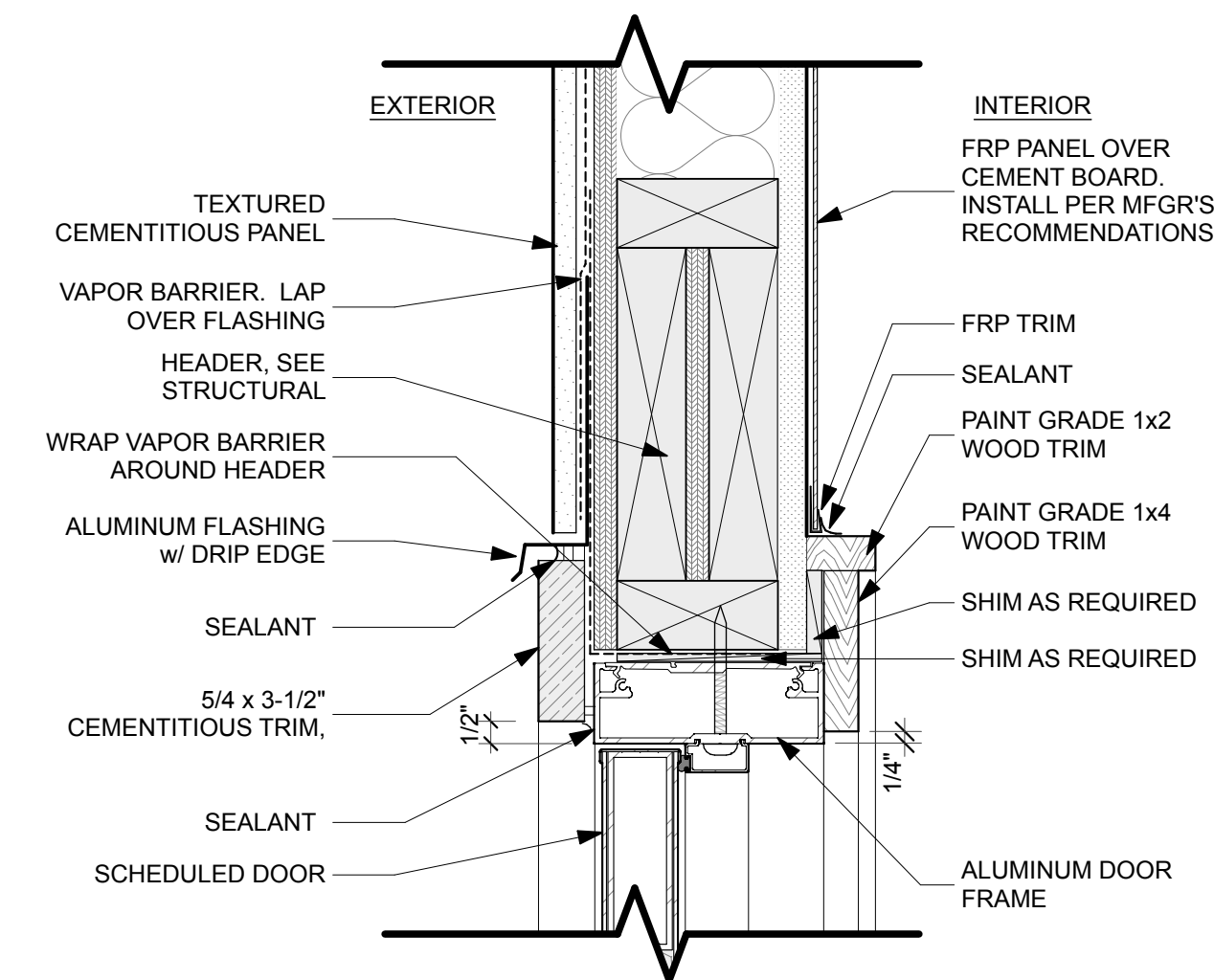
3 DOOR LEAF & FRAME TYPES

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

BASIS-OF-DESIGN IS EME632D WIND DRIVEN RAIN RESISTANT STATIONARY LOUVER BY RUSKIN. FLORIDA APPROVAL NUMBER: FL#21829.7
INSTALL AS REQUIRED TO MEET SPECIFIED WIND PRESSURES SHOWN ON THE STRUCTURAL DRAWINGS

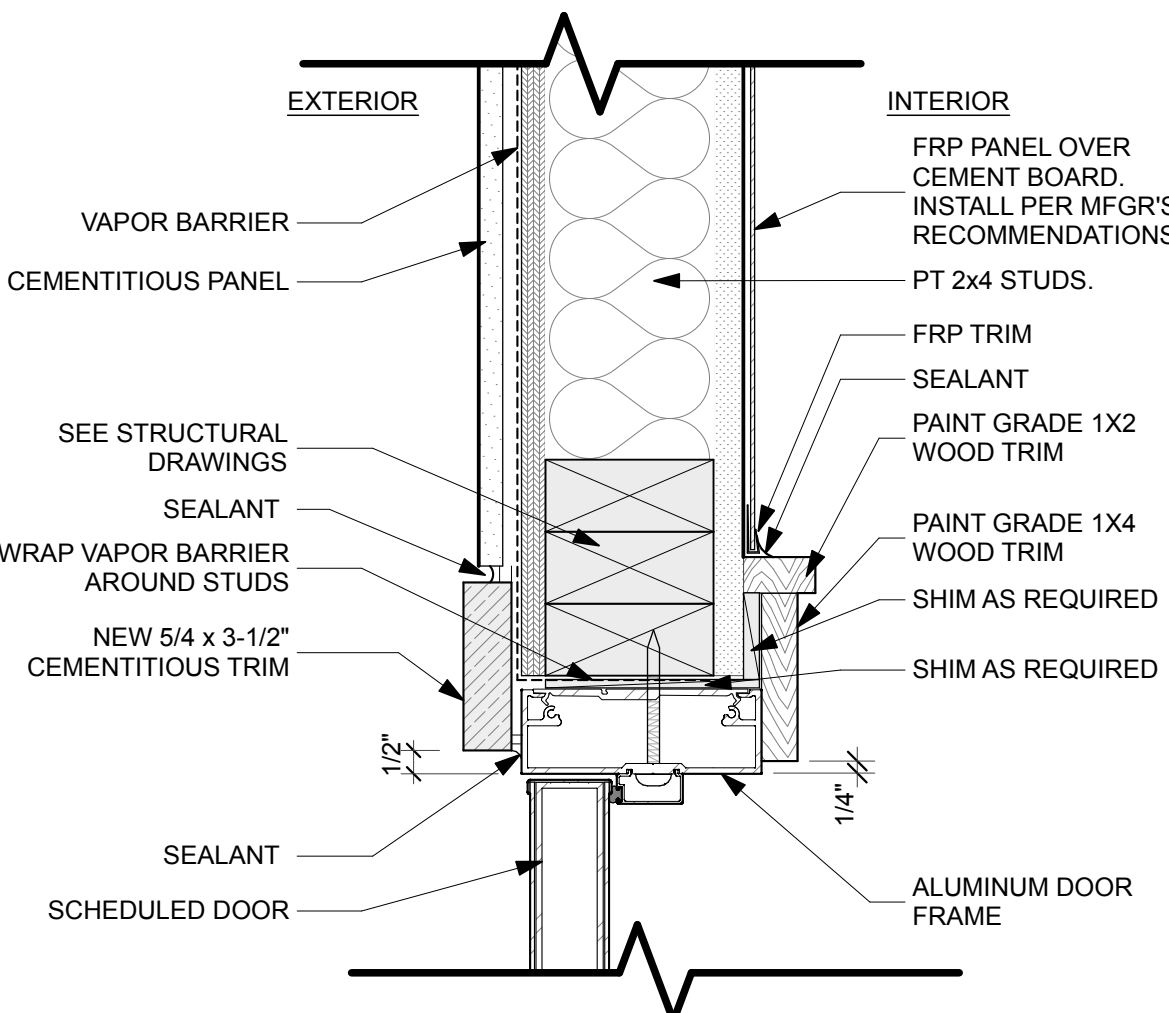
ID	L2
ELEVATION	
W x H SIZE	3'-4"x2'-10"
SILL HEIGHT	4'-2"
FRAME MATERIAL	HM
HEAD	1/A302
JAMB	3/A302
SILL	2/A302

4 LOUVER SCHEDULE



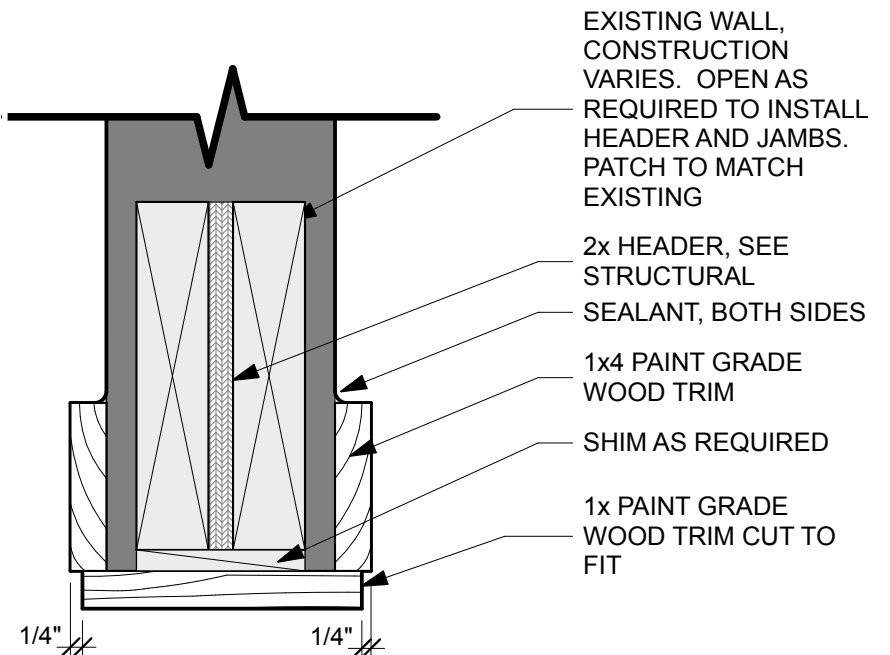
5 ALUMINUM DOOR HEAD

SCALE: 3" = 1'-0"



6 ALUMINUM DOOR JAMB

SCALE: 3" = 1'-0"



7 CASED OPENING HEAD

SCALE: 3" = 1'-0"

@ RESTROOMS:
1/2" CEMENT BOARD. PREP JOINTS AS RECOMMENDED BY THE FRP MANUFACTURER SO THEY DO NOT TELEGRAPH THROUGH THE PANELS
@ CHASE:
5/8" MOISTURE RESISTANT GYPSUM BOARD

@ RESTROOMS:
FRP PANEL, INSTALL AS RECOMMENDED BY MANUFACTURER

@ RESTROOMS:
ALUMINUM TRIM BY FRP MANUFACTURER

SEALANT, MATCH TILE COLOR

SCHEDULED BASE, SEE 9/A001

MEDIUM SET FLOOR TILE, SLOPE TO DRAIN 1/8" PER 12" MAX.

3" @ RESTROOMS
1-1/2" @ CHASE

PT 2x4 SILL PLATE, SEE STRUCTURAL FOR FASTENERS

TEXTURED CEMENTITIOUS PANEL

VAPOR BARRIER, LAP OVER FLASHING

SEALANT (BELOW & BEHIND FLASHING ONLY)

ALUMINUM FLASHING

SLOPE WALKWAY AWAY FROM BUILDING 1/8" PER 12" MAX.

1/2" EXPANSION JOINT

1/4"

1-3/4"

1/4"

1-3/4"

1/4"

1-3/4"

1/4"

1-3/4"

1/4"

1-3/4"

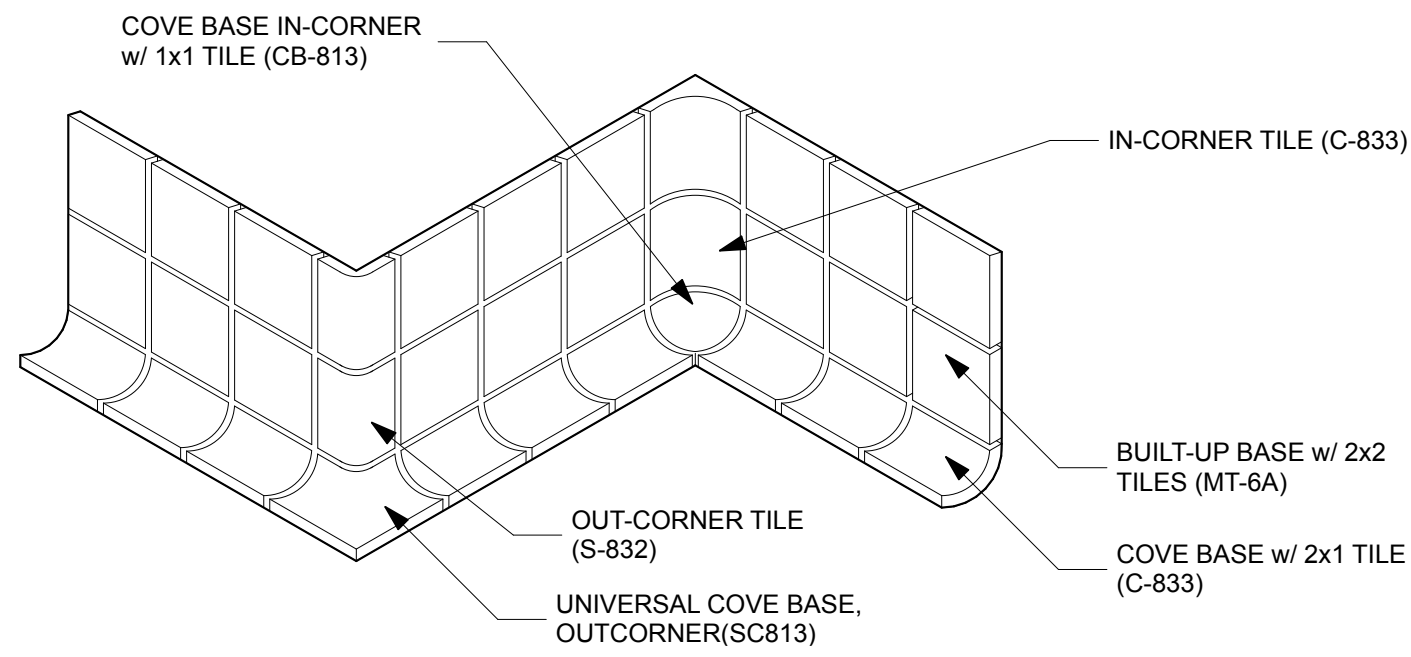
1/4"

1-3/4"

1/4"

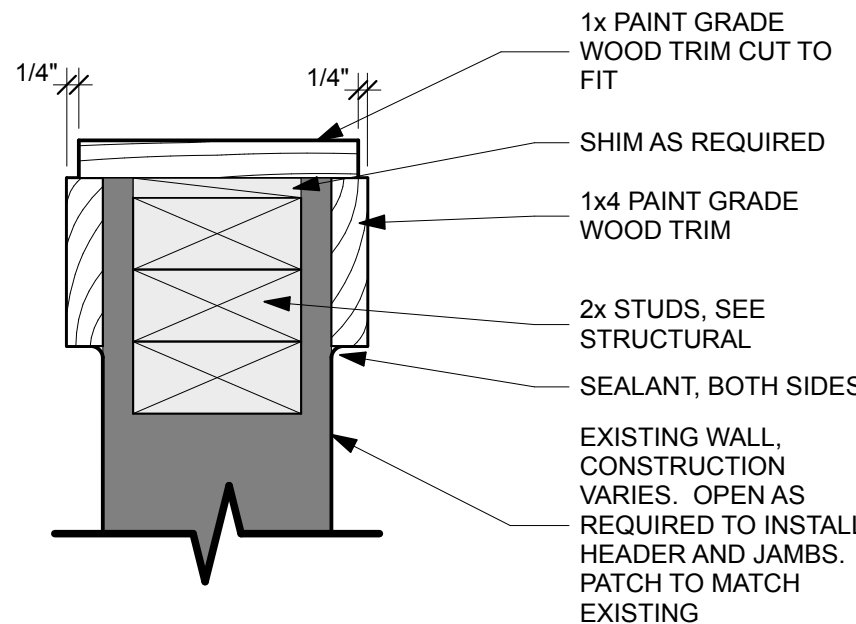
8 TYPICAL BASE @ RESTROOMS

SCALE: 6" = 1'-0"



9 TILE BASE DETAIL

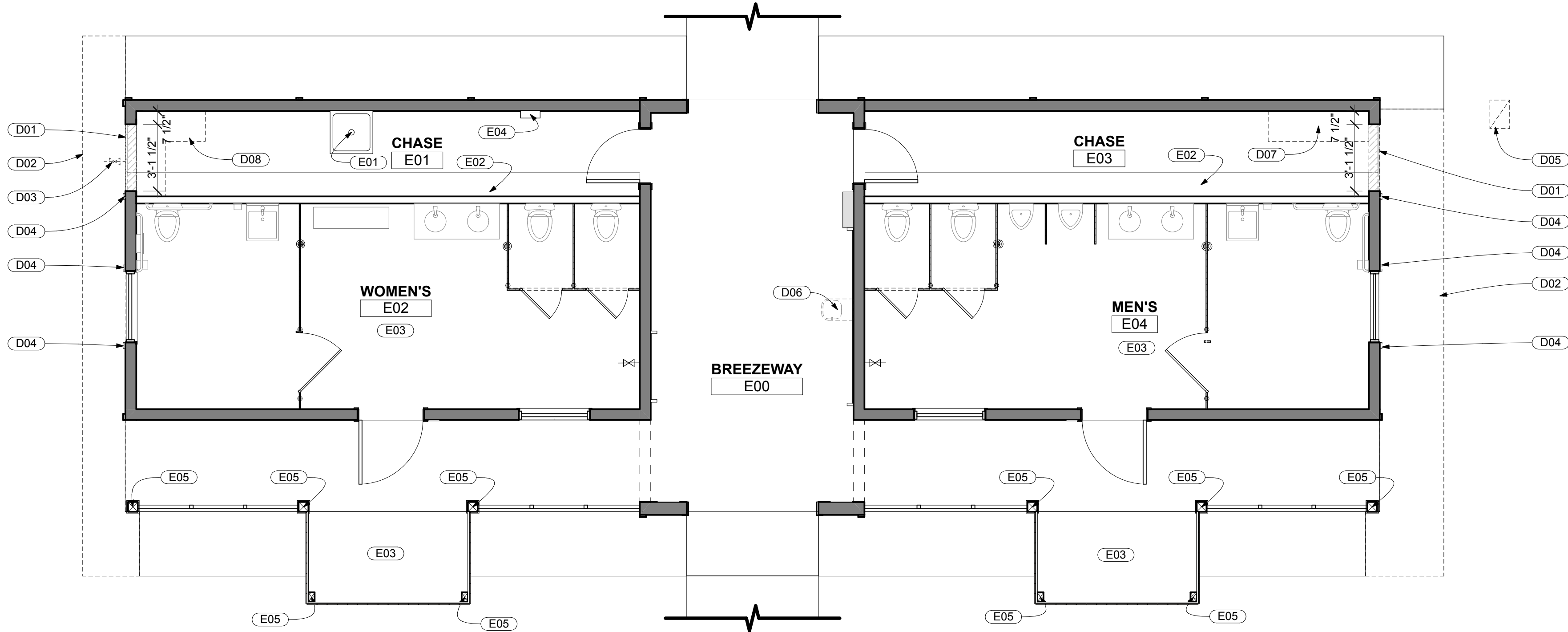
SCALE: 3" = 1'-0"



10 CASED OPENING JAMB

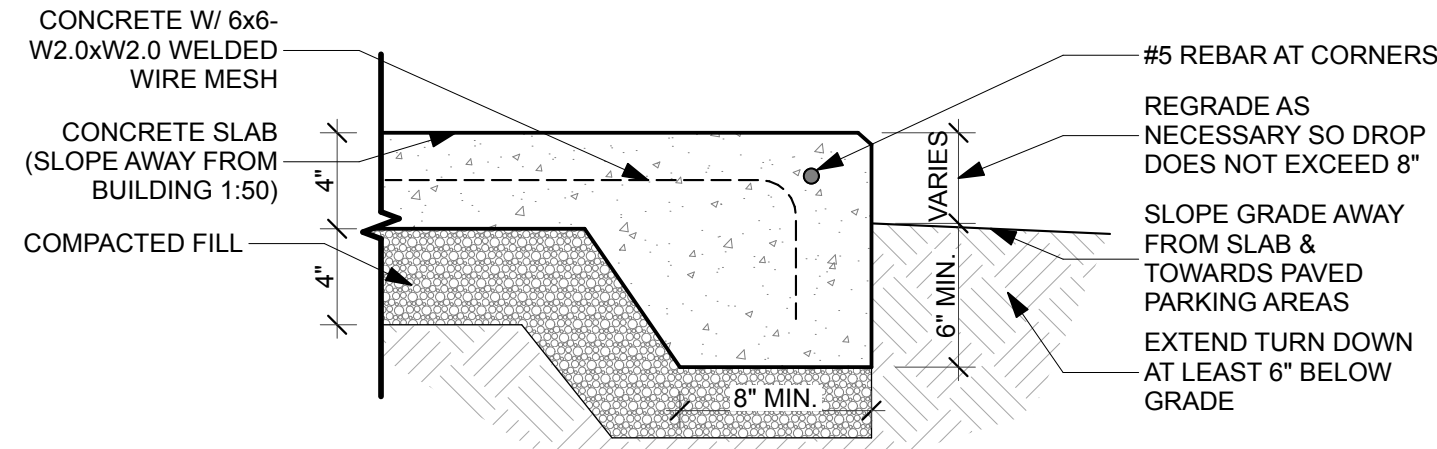
SCALE: 3" = 1'-0"

LEGEND			
	EXISTING WALL OVERHEAD		NEW ELEMENTS KEYNOTE MARKER
	EXISTING WALL TO BE REMOVED		DEMOLITION ELEMENTS KEYNOTE MARKER
	EXISTING WALL		EXISTING ELEMENT KEYNOTE MARKER
	NEW EXTERIOR WALL		
	NEW INTERIOR WALL		
	NEW CHASE WALL		



3 SITE TURNED DOWN SLAB EDGE

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



GENERAL DEMOLITION NOTES:

- ALL NOTES AND DETAILS SHOULD BE CONSIDERED TYPICAL UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED, PATCH ALL EXISTING FINISHES AFFECTED BY THE WORK TO MATCH ADJACENT SURFACES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NECESSARY PLUMBING AND ELECTRICAL COMPONENTS TO PROVIDE A COMPLETE, CODE COMPLIANT, AND FULLY FUNCTIONAL SYSTEM. GC TO INSPECT THE SITE PRIOR TO BIDDING TO GAIN A FULL UNDERSTANDING OF THE SCOPE OF WORK.
- UNLESS OTHERWISE NOTED, REMOVE ALL DEMOLISHED MATERIALS AND WASTE FROM THE PREMISES AND DISPOSE OF IN A LEGAL FASHION.
- SEE FINISH SCHEDULE FOR ALL INTERIOR FINISHES.
- CONTRACTOR TO FIELD VERIFY ALL AS-BUILT AND AS COMPLETED DIMENSIONS PRIOR TO PURCHASING AND PRIOR TO INSTALLING MATERIALS.
- ALL ITEMS NOT SPECIFICALLY CALLED OUT TO BE REMOVED SHOULD BE ASSUMED TO REMAIN. CONTRACTOR TO PROTECT ALL ITEMS TO REMAIN. ANY DAMAGE OCCURRING AS A RESULT OF DEMOLITION OR CONSTRUCTION ACTIVITIES ARE TO BE REPAIRED TO MATCH THE CONDITION AT THE START OF THE PROJECT. CONTRACTOR IS ADVISED TO DOCUMENT EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- GC TO SELECTIVELY REMOVE SLABS AND/OR WALLS AND/OR CEILINGS AS REQUIRED TO ACCESS UTILITY LINES AS NEEDED. ALL AREAS TO BE PATCHED TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- FAILURE BY THE GC TO VISIT THE PREMISES TO ASSESS THE FULL SCOPE OF THE PROJECT WILL NOT BE GROUNDS FOR A CHANGE ORDER. GC MUST VISIT THE SITE PRIOR TO SUBMITTING A BID.
- REMOVE ALL ITEMS HANGING ON WALLS WITHIN THE AREA OF WORK. TURN OVER TO THE OWNER FOR THEIR REUSE. REPLACE ANY ITEMS DAMAGED DURING DEMOLITION OR CONSTRUCTION ACTIVITIES TO MATCH EXISTING. REPAIR ANY RESULTING VOIDS IN ANY EXISTING WALLS TO REMAIN. FINISH TO MATCH ADJACENT SURFACES.
- REMOVE ALL UTILITY LINES MOUNTED ON OR CONCEALED WITHIN WALLS SLATED FOR REMOVAL. CAP ABANDONED LINES AS REQUIRED BY CODE. MAINTAIN POWER/WATER ETC. TO ITEMS DOWNSTREAM OF ITEMS IDENTIFIED FOR REMOVAL.
- PAINT ANY WALL WHERE TOUCH-UP PAINT IS REQUIRED CORNER-TO-CORNER SO A CONSISTENT FINISH IS ACHIEVED.

NOTE:
NUMBERS IN THE KEYNOTE SCHEDULE MAY NOT FOLLOW SEQUENTIAL NUMERICAL ORDER AS THE KEYNOTES ARE RELATED TO THE PROJECT AS A WHOLE AND DISPLAY THE KEYNOTES RELEVANT TO EACH SHEET ONLY.

DEMO PLAN KEYNOTES:

#	DESCRIPTION:
D01	WALL SEGMENT TO BE REMOVED FOR OPENING IN NEW CONSTRUCTION.
D02	SIDEWALK TO BE REMOVED. SEE CIVIL.
D03	REMOVE EXISTING HOSE BIB. SEE PLUMBING. NEW LOCATION SHOWN ON PLUMBING DRAWINGS.
D04	REMOVE EXISTING TRIM. PATCH ANY RESULTING VOIDS THAT WILL BE EXPOSED TO VIEW TO MATCH EXISTING.
D05	REMOVE EXISTING CLEANOUT. SEE PLUMBING. NEW LOCATION SHOWN ON PLUMBING DRAWINGS.
D06	DRINKING FOUNTAIN TO BE REMOVED. SEE PLUMBING. PATCH ANY RESULTING VOIDS THAT WILL BE EXPOSED TO VIEW TO MATCH EXISTING.
D07	REMOVE EXISTING SLATTED SHELVES IN THIS AREA. OTHER CABINET IN THIS AREA TO REMAIN. PATCH ANY RESULTING VOIDS TO MATCH EXISTING. REMOVE EXISTING SHELVES IN THIS AREA. REMAINING SHELVING TO REMAIN - PROVIDE NEW END SUPPORT AS NEEDED. PATCH ANY RESULTING VOIDS TO MATCH EXISTING. RELOCATE SHELVES TO NEW CHASE. MODIFY AS REQUIRED TO FIT.
D08	EXISTING MOP SINK TO REMAIN.
E01	NO CONCRETE SLAB IN THIS AREA IN ORDER TO FACILITATE FUTURE ACCESS TO BELOW GRADE PLUMBING LINES. AREA INFILLED WITH GRAVEL.
E02	NO WORK TO BE DONE IN THIS AREA EXCEPT WHERE NOTED OTHERWISE.
E03	EXISTING ELECTRICAL PANEL
E04	EXISTING COLUMN / POST TO REMAIN.
E05	EXISTING COLUMN / POST TO REMAIN.

4 DEMO PLAN KEYNOTES

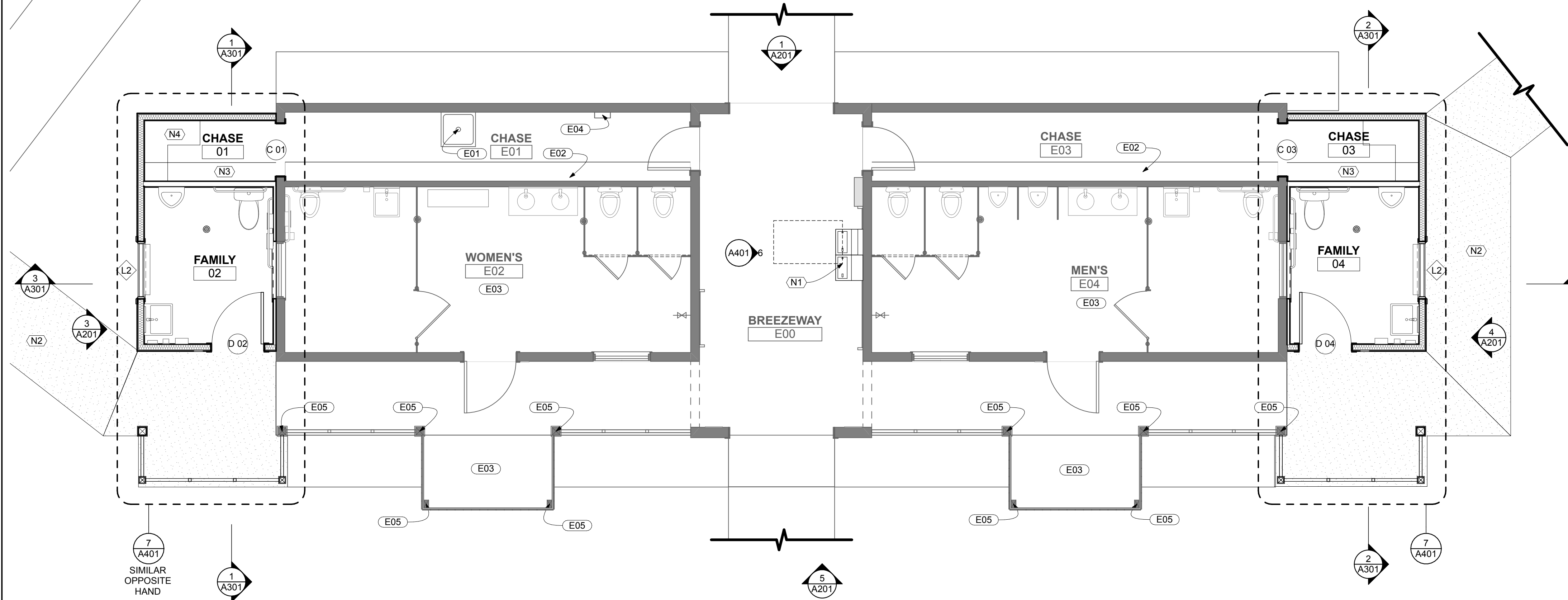
FLOOR PLAN KEYNOTES:

#	DESCRIPTION:
E01	EXISTING MOP SINK TO REMAIN.
E02	NO CONCRETE SLAB IN THIS AREA IN ORDER TO FACILITATE FUTURE ACCESS TO BELOW GRADE PLUMBING LINES. AREA INFILLED WITH GRAVEL.
E03	NO WORK TO BE DONE IN THIS AREA EXCEPT WHERE NOTED OTHERWISE.
E04	EXISTING ELECTRICAL PANEL
E05	EXISTING COLUMN / POST TO REMAIN.
N1	NEW HIGH-LOW WATER FOUNTAIN w/ WATER BOTTLE FILLING STATION. SEE PLUMBING.
N2	NEW ADA COMPLIANT CONCRETE WALKWAY. SLOPE AWAY FROM BUILDING 1/8" PER 12" MAX. SEE CIVIL.
N3	OMIT CONCRETE SLAB IN THIS AREA TO ALLOW FUTURE ACCESS TO BELOW GRADE PLUMBING LINES. INFILL WITH GRAVEL TO MATCH WHAT WAS USED IN THE EXISTING CHASES.
N4	RELOCATE SALVAGED SHELVES TO NEW CHASE. MODIFY AS REQUIRED TO FIT.

5 FLOOR PLAN KEYNOTES

1 DEMOLITION PLAN

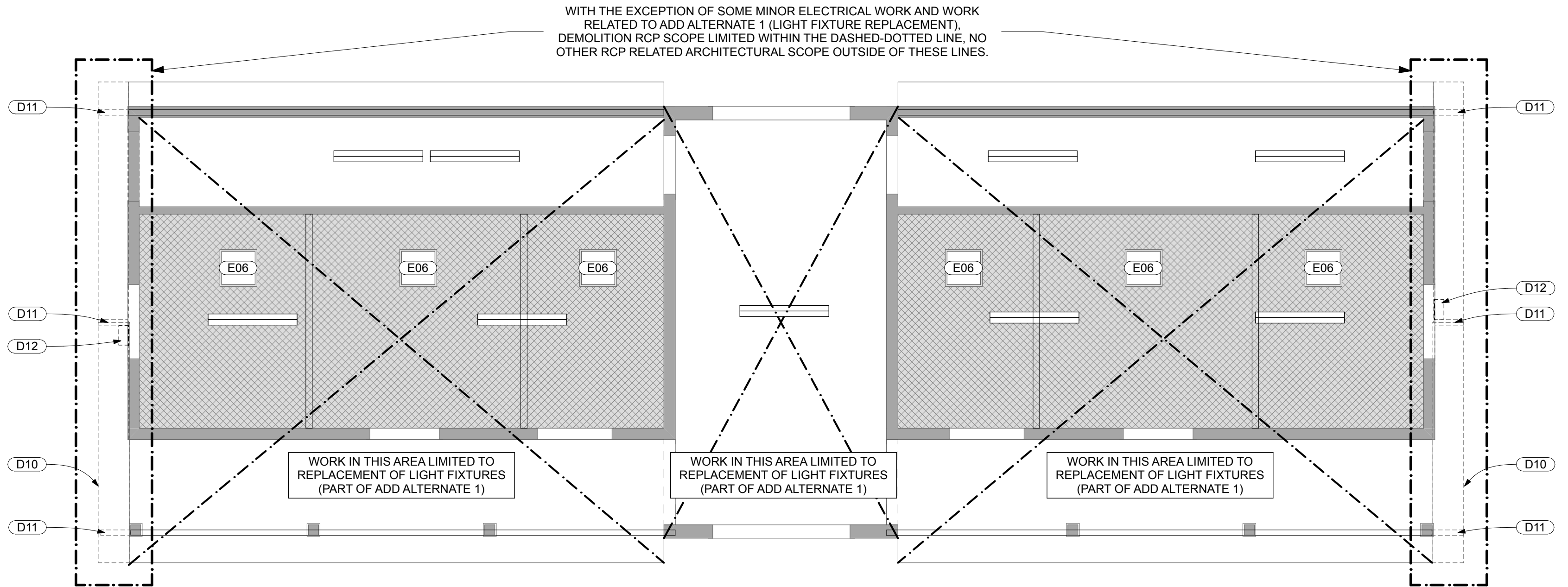
SCALE: 1/4" = 1'-0"



2 NEW FLOOR PLAN

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

DESIGNER: JODIE DODSON	ISSUE DATE: 07/15/2022	SYMBOL	DATE	REVISION	DATE	SYMBOL
DRAWN BY: KZ	COMP. FILE NO:					
REVIEWED BY: JD	STATE PROJECT NO.: 61354C					
CONSULTANT:						
PROFESSIONAL REGISTRATION		STATE OF FLORIDA		REGISTERED ARCHITECT		
JOEL DODSON AR0015211						
PONCE DE LEON SPRINGS STATE PARK		FLOOR PLAN		PROJECT TITLE		
SHEET NO.		A101		RESTROOM ADDITIONS		
				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300		

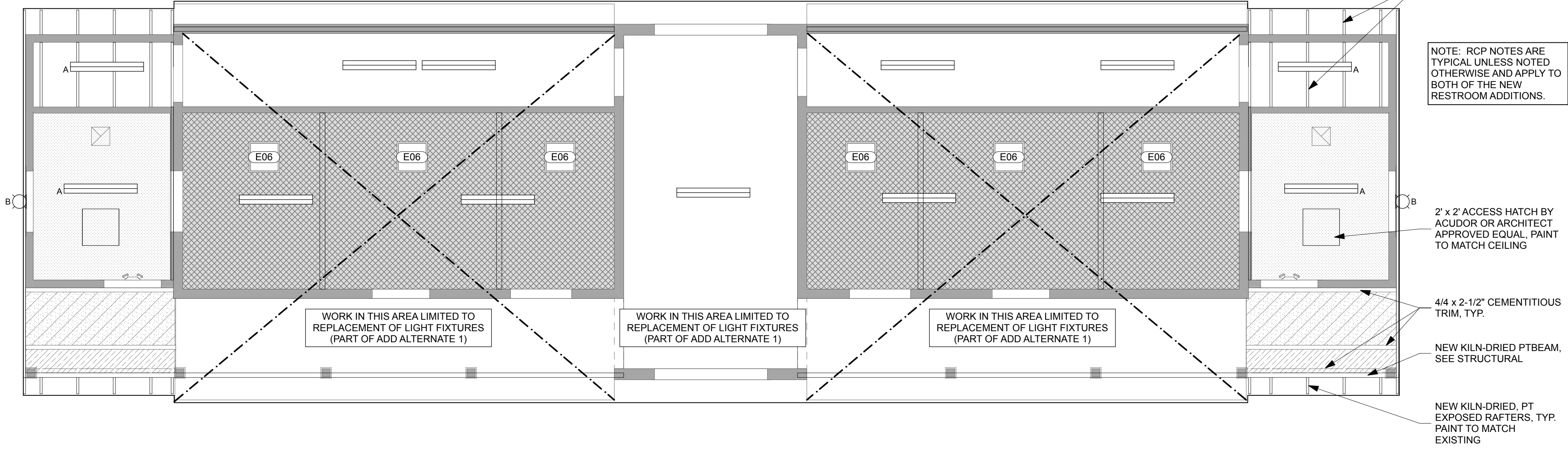


1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NOTE:
NUMBERS IN THE KEYNOTE SCHEDULE MAY NOT FOLLOW SEQUENTIAL NUMERICAL ORDER AS THE KEYNOTES ARE RELATED TO THE PROJECT AS A WHOLE AND DISPLAY THE KEYNOTES RELEVANT TO EACH SHEET ONLY.

DEMO RCP KEYNOTES:	
#	DESCRIPTION:
D10	CUT & REMOVE ROOF, EAVE AND SOFFIT BACK AS INDICATED ON 6/A103.
D11	REMOVE BEAM EXTENSIONS THAT EXTEND BEYOND EXISTING WALLS AND/OR COLUMN. END CUT TO BE FREE OF SAWBLADE MARKS. SAND, PRIME, AND FINISH ENDS TO MATCH REST OF EXISTING BEAM.
D12	REMOVE LIGHT. SEE ELECTRICAL
E06	EXISTING SKYLIGHTS TO REMAIN

3 DEMO RCP KEYNOTES



2 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

LEGEND	
	EXISTING CEILING
	NEW GYPSUM BOARD CEILING
	NEW SMOOTH CEMENTITIOUS SOFFIT
	NEW VENTED CEMENTITIOUS SOFFIT
	NEW RETURN AIR DIFFUSER. SEE MECHANICAL DRAWINGS
	EXISTING CEILING-MOUNTED FIXTURE. REPLACE w/ LED FIXTURE AS PART OF ADD ALTERNATE 1. SEE ELECTRICAL.
	CEILING-MOUNTED FIXTURE
	NEW CEILING-MOUNTED LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
	NEW EMERGENCY LIGHT. SEE ELECTRICAL DRAWINGS

RCP LEGEND	
	EXISTING CEILING
	NEW GYPSUM BOARD CEILING
	NEW SMOOTH CEMENTITIOUS SOFFIT
	NEW VENTED CEMENTITIOUS SOFFIT
	NEW RETURN AIR DIFFUSER. SEE MECHANICAL DRAWINGS
	EXISTING CEILING-MOUNTED FIXTURE. REPLACE w/ LED FIXTURE AS PART OF ADD ALTERNATE 1. SEE ELECTRICAL.
	CEILING-MOUNTED FIXTURE
	NEW CEILING-MOUNTED LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
	NEW EMERGENCY LIGHT. SEE ELECTRICAL DRAWINGS

4 RCP LEGEND

DESIGNER: JODIE DODSON	ISSUE DATE: 07/15/2022	SYMBOL	REVISION	DATE
DRAWN BY: KZ	COMP. FILE NO:			
REVIEWED BY: JD	STATE PROJECT NO: 61354C			
Consultant:				

PROFESSIONAL REGISTRATION

STATE OF FLORIDA
JOEL DODSON
REGISTERED ARCHITECT
AR0015211
JOEL DODSON AR0015211

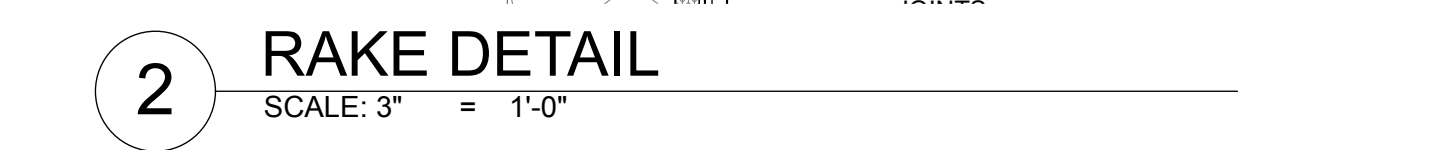
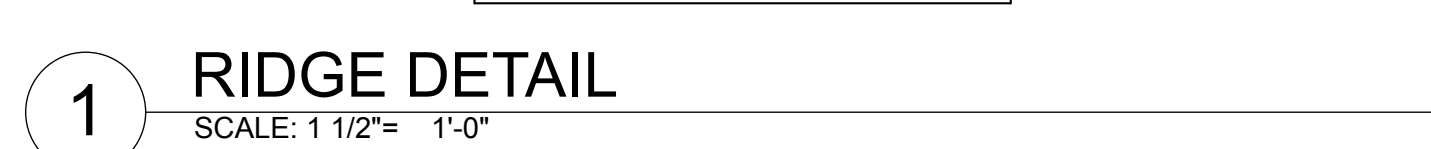
PROJECT TITLE

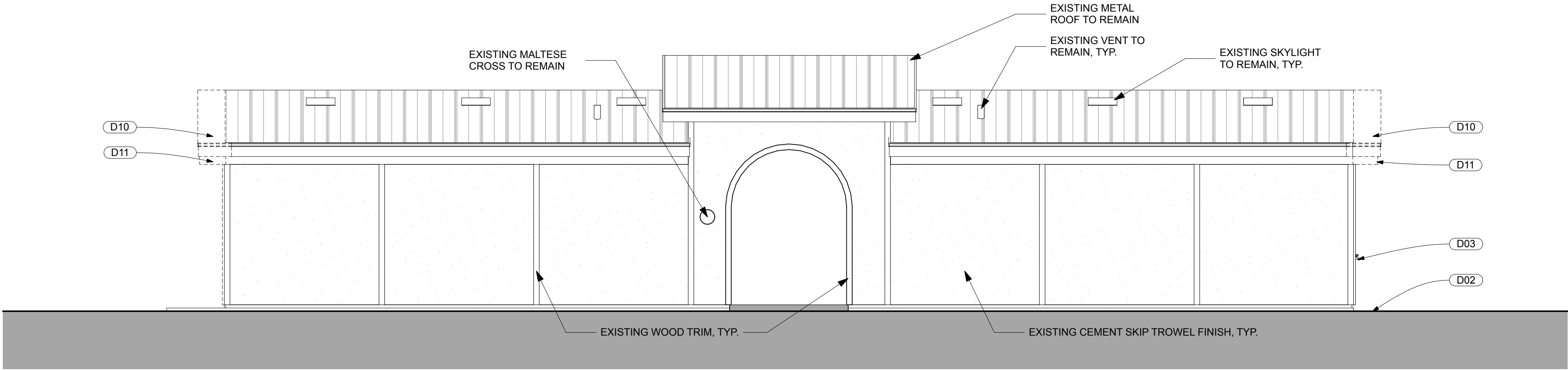
PONCE DE LEON SPRINGS STATE PARK
REFLECTED CEILING PLANS
RESTROOM ADDITIONS

SHEET NO.

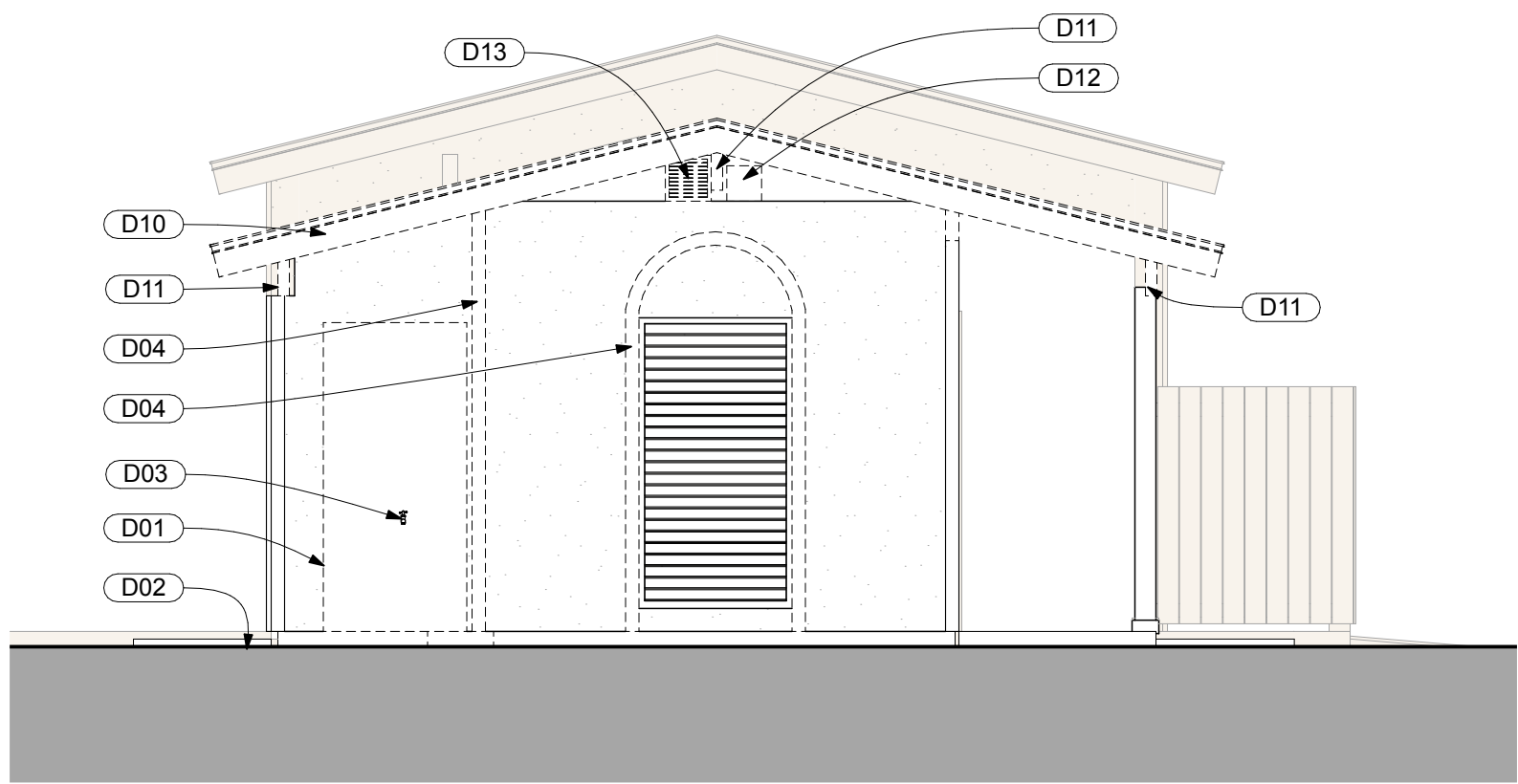
A102

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

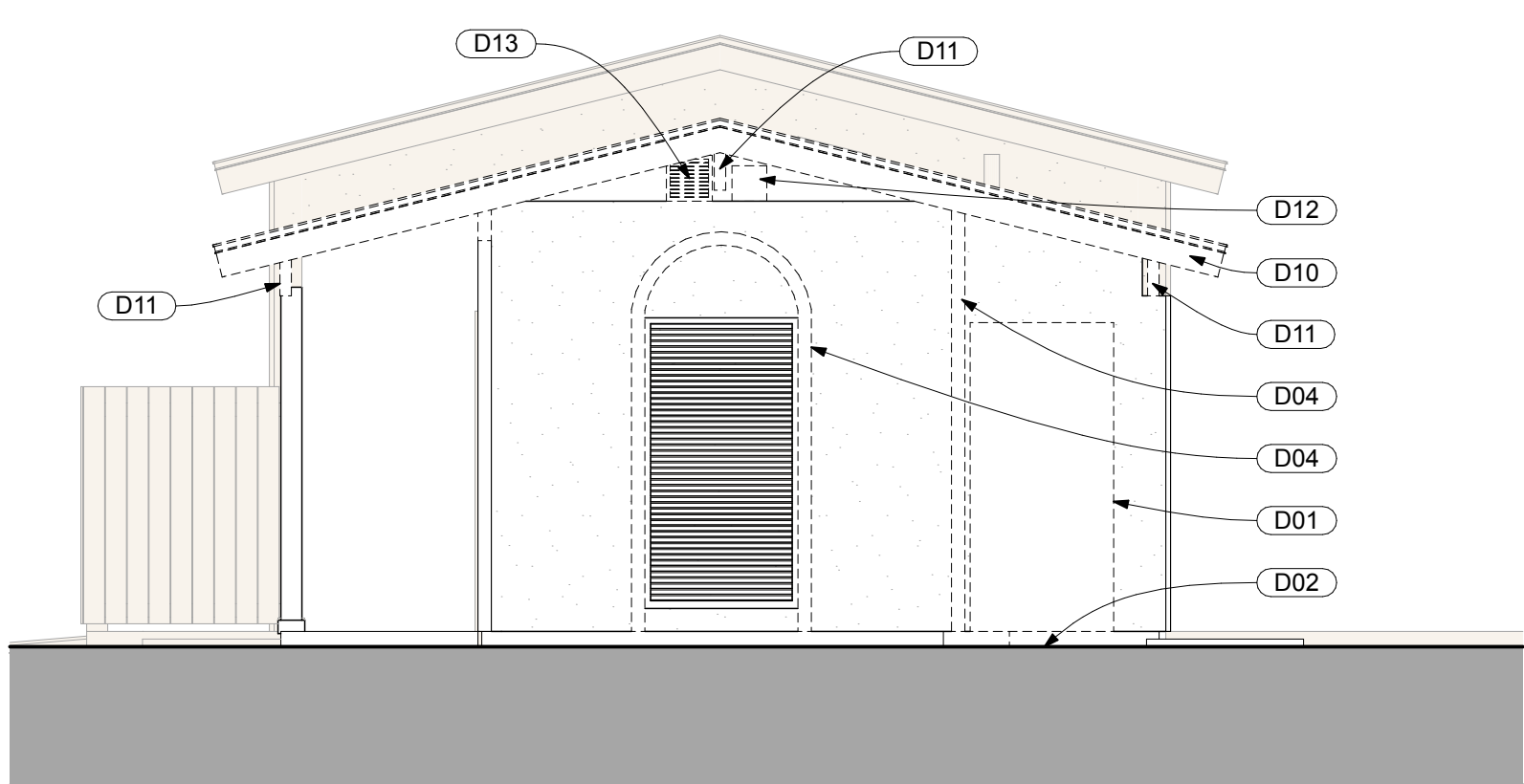
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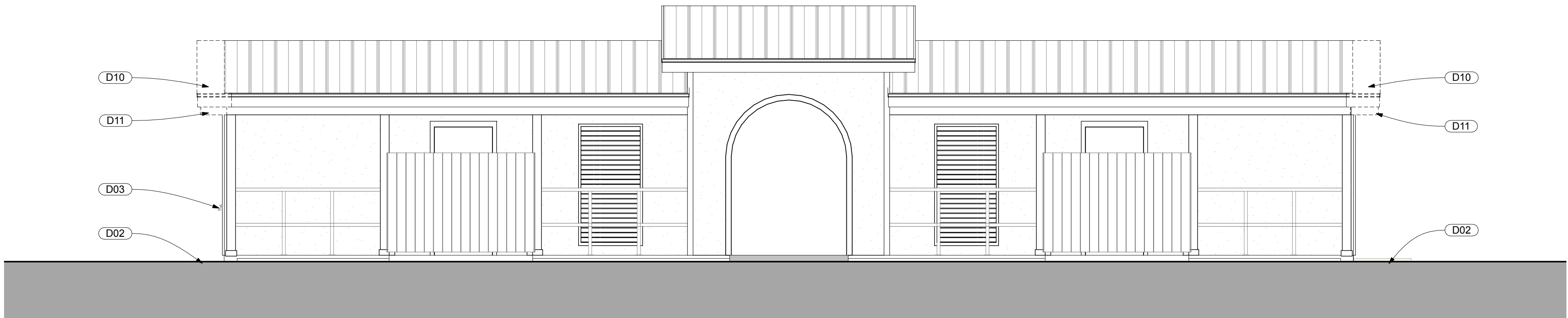
1 ELEVATION FACING PARKING
SCALE: 1/4" = 1'-0"



3 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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



5 ELEVATION FACING SPRING
SCALE: 1/4" = 1'-0"

NOTE:
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DEMO ELEVATION KEYNOTES:	
#	DESCRIPTION:
D01	WALL SEGMENT TO BE REMOVED FOR OPENING IN NEW CONSTRUCTION.
D02	SIDEWALK TO BE REMOVED. SEE CIVIL.
D03	REMOVE EXISTING HOSE BIB. SEE PLUMBING. NEW LOCATION SHOWN ON PLUMBING DRAWINGS.
D04	REMOVE EXISTING TRIM. PATCH ANY RESULTING VOIDS THAT WILL BE EXPOSED TO VIEW TO MATCH EXISITNG.
D10	CUT & REMOVE ROOF, EAVE AND SOFFIT BACK AS INDICATED ON 6/A103.
D11	REMOVE BEAM EXTENSIONS THAT EXTEND BEYOND EXISTING WALLS AND/OR COLUMN. END CUT TO BE FREE OF SAWBLADE MARKS. SAND, PRIME, AND FINISH ENDS TO MATCH REST OF EXISTING BEAM.
D12	REMOVE LIGHT. SEE ELECTRICAL
D13	REMOVE EXISTING EXTERIOR VENT

2 DEMO ELEVATION KEYNOTES

GENERAL NOTES:
1. SEE A101 FOR TYPICAL NOTES REGARDING DEMOLITION WORK.

DESIGNER: JODIE DODSON	ISSUE DATE: 07/15/2022	SYMBOL	REVISION	DATE
DRAWN BY: KZ	COMP. FILE NO:	SYMBOL	REVISION	DATE
REVIEWED BY: JD	STATE PROJECT NO: 61354C	SYMBOL	REVISION	DATE
CONSULTANT:		SYMBOL	REVISION	DATE

PROFESSIONAL REGISTRATION

STATE OF FLORIDA

JOEL DODSON

REGISTERED ARCHITECT

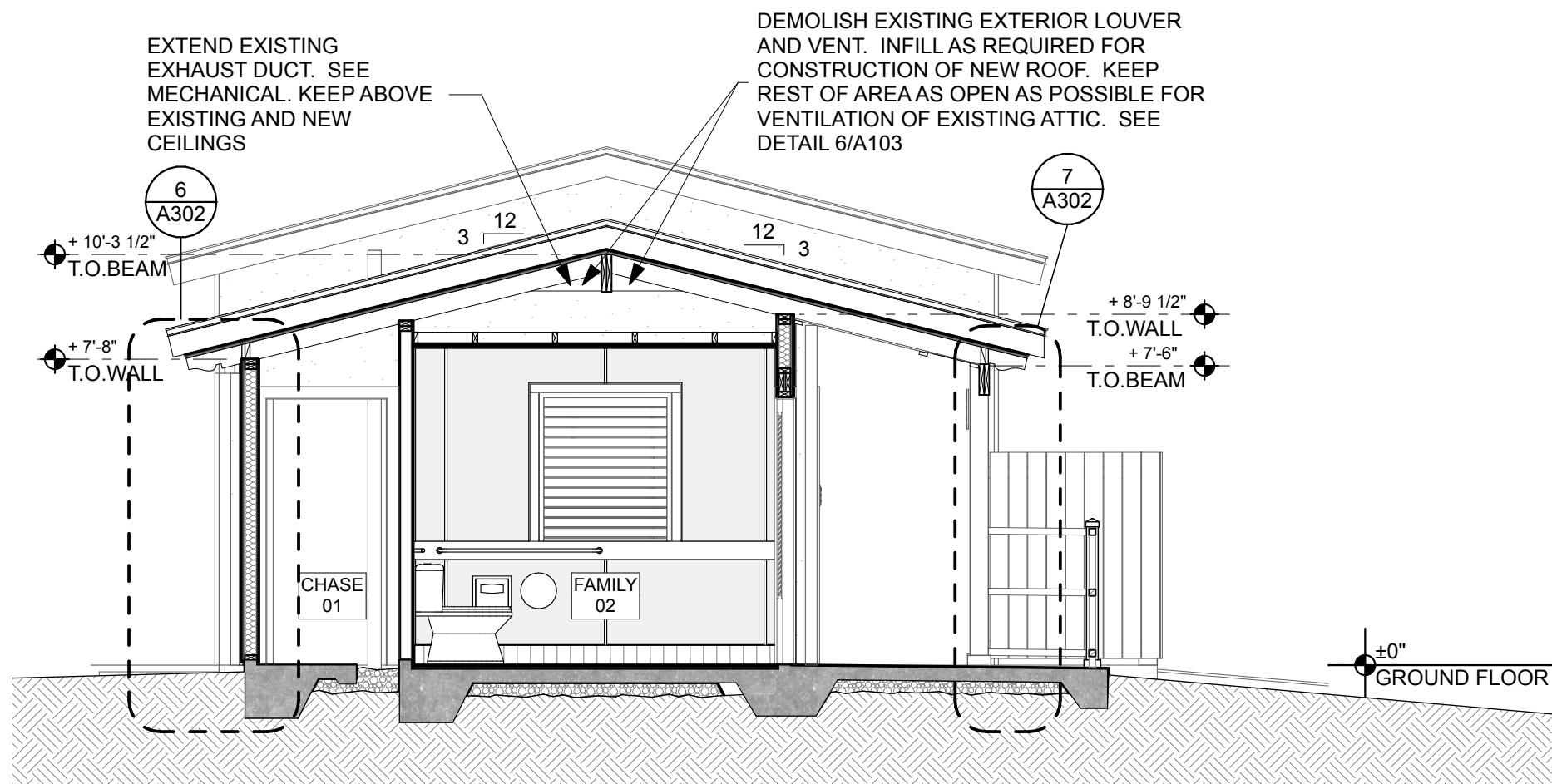
AR0015211

JOEL DODSON AR0015211

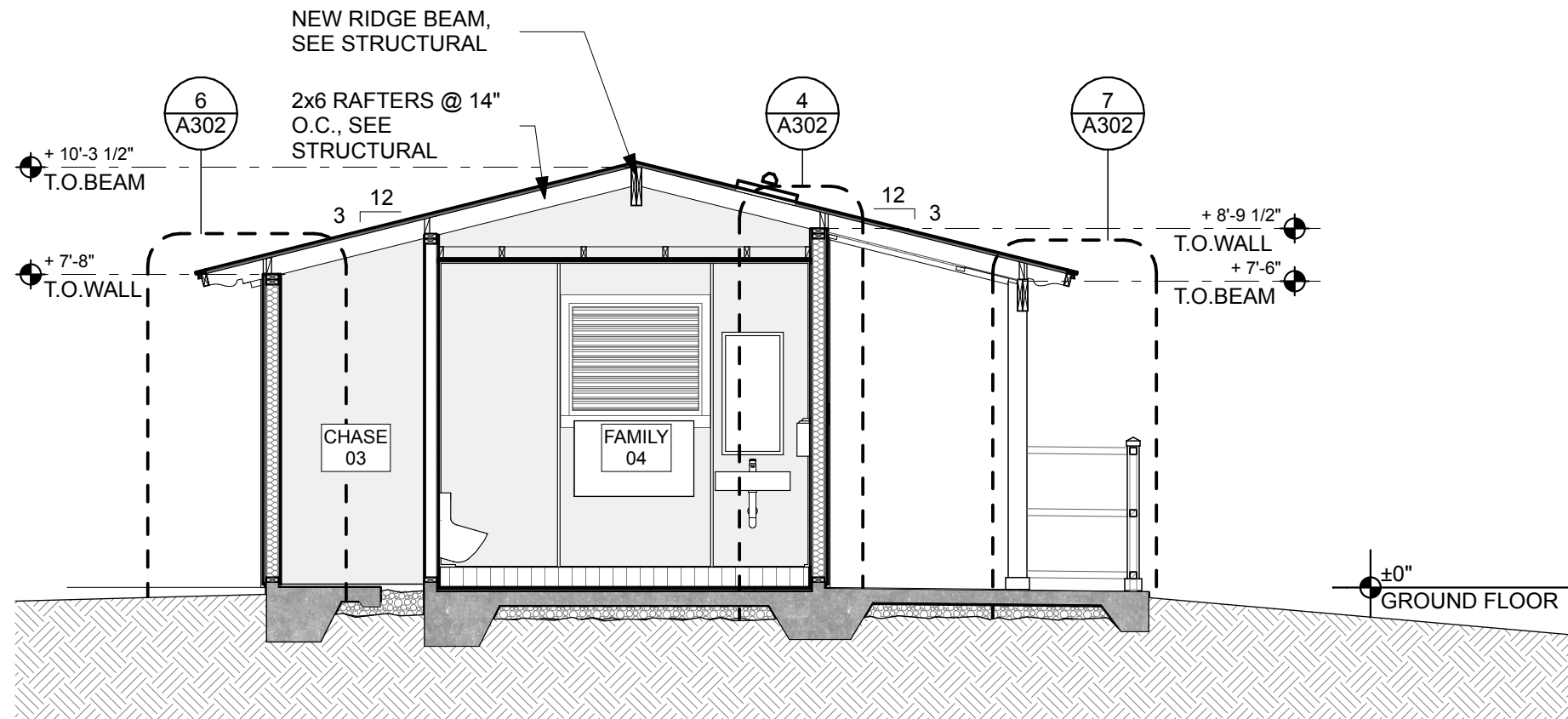
PONCE DE LEON SPRINGS STATE PARK	PROJECT TITLE
EXTERIOR ELEVATIONS DEMO	PROJECT TITLE
RESTROOM ADDITIONS	PROJECT TITLE

SHEET NO.

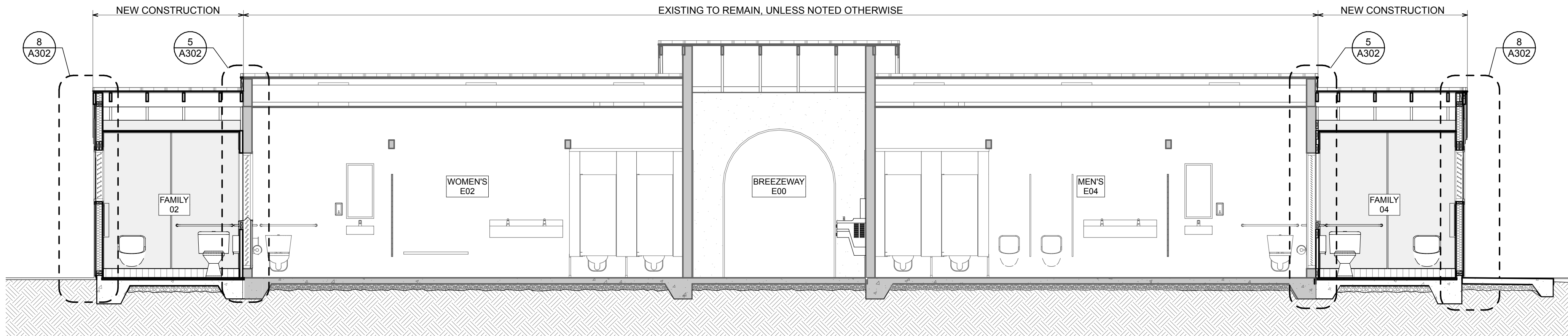
A201



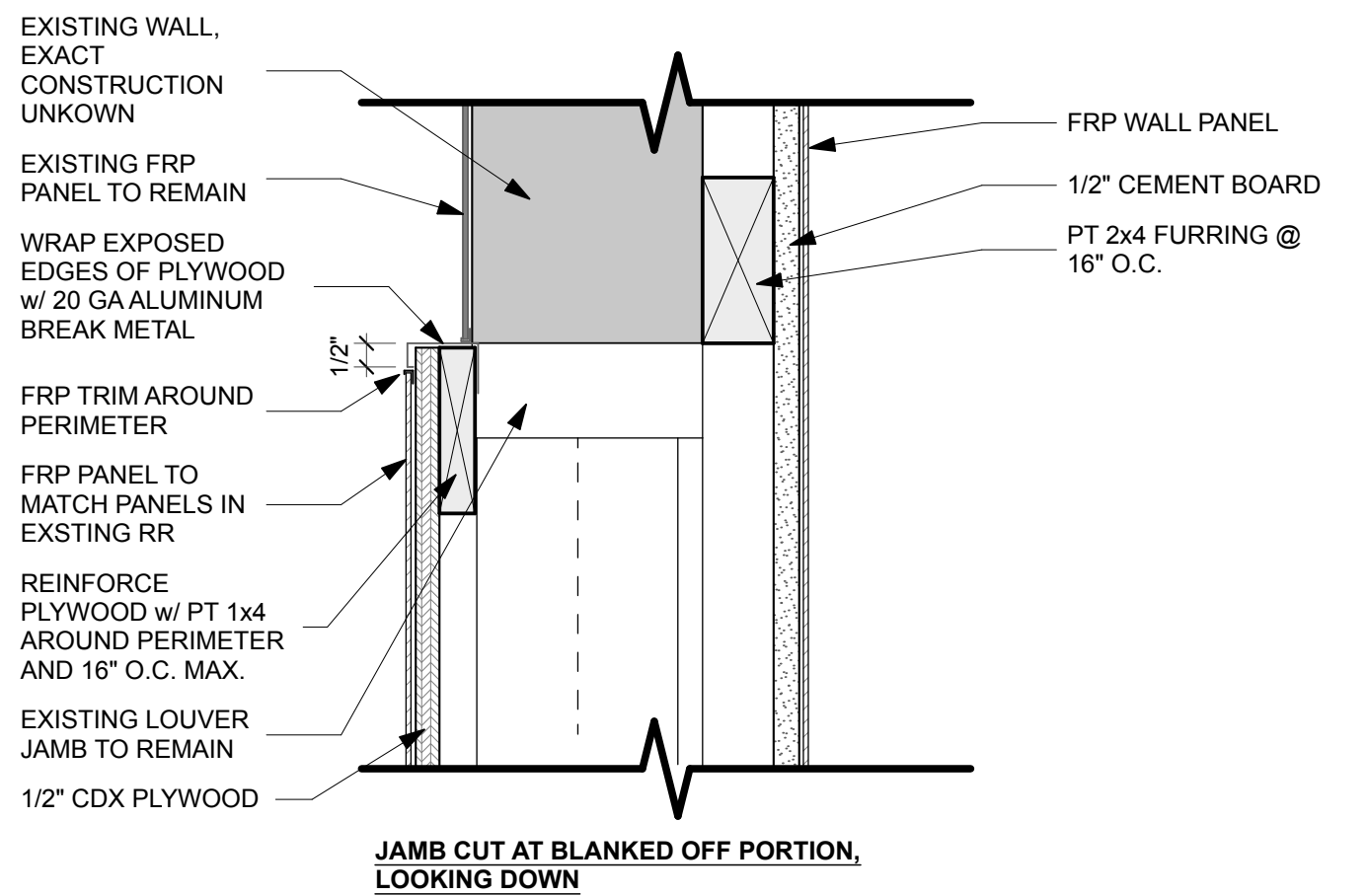
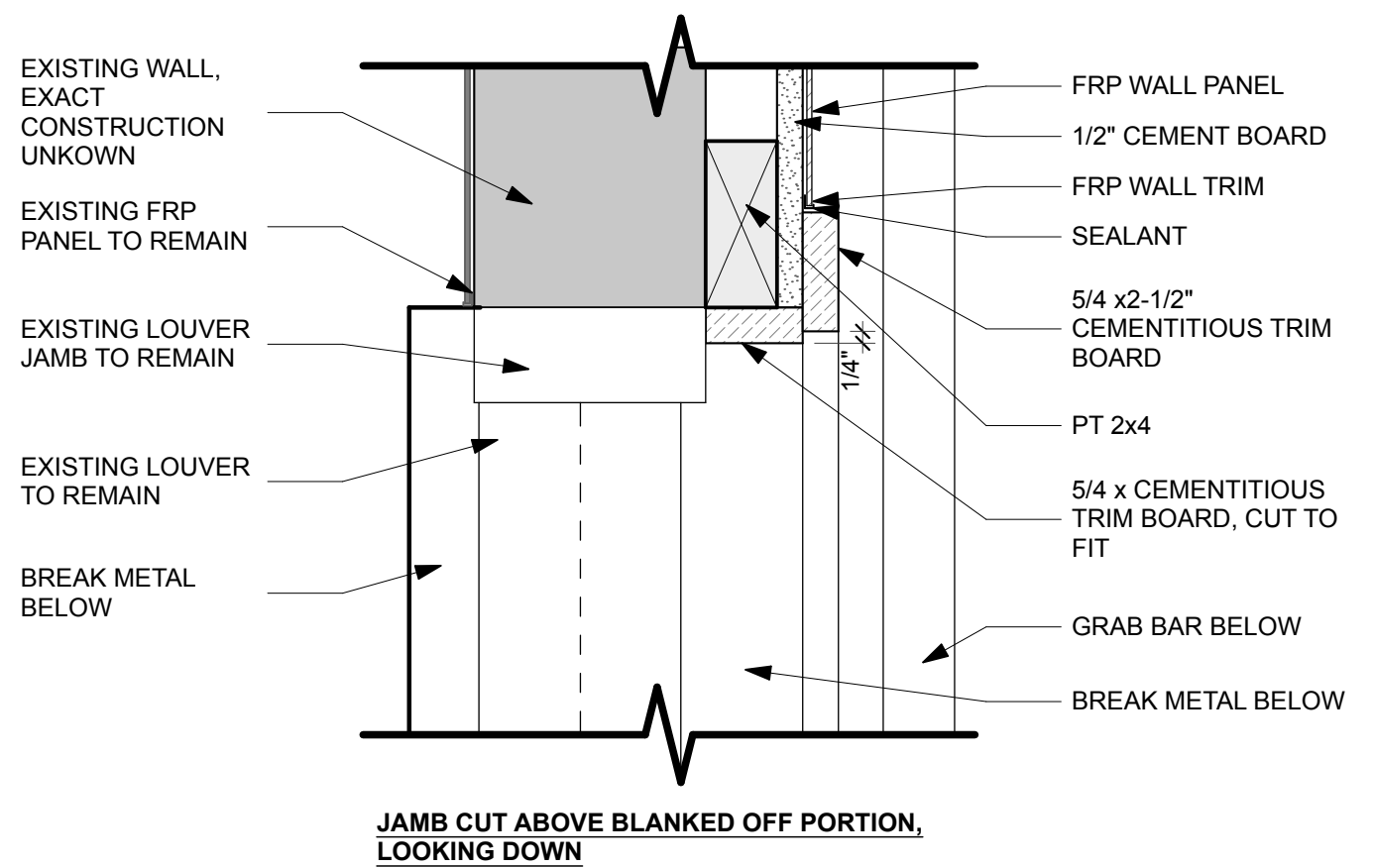
1 SECTION THROUGH NEW RR
SCALE: 1/4" = 1'-0"



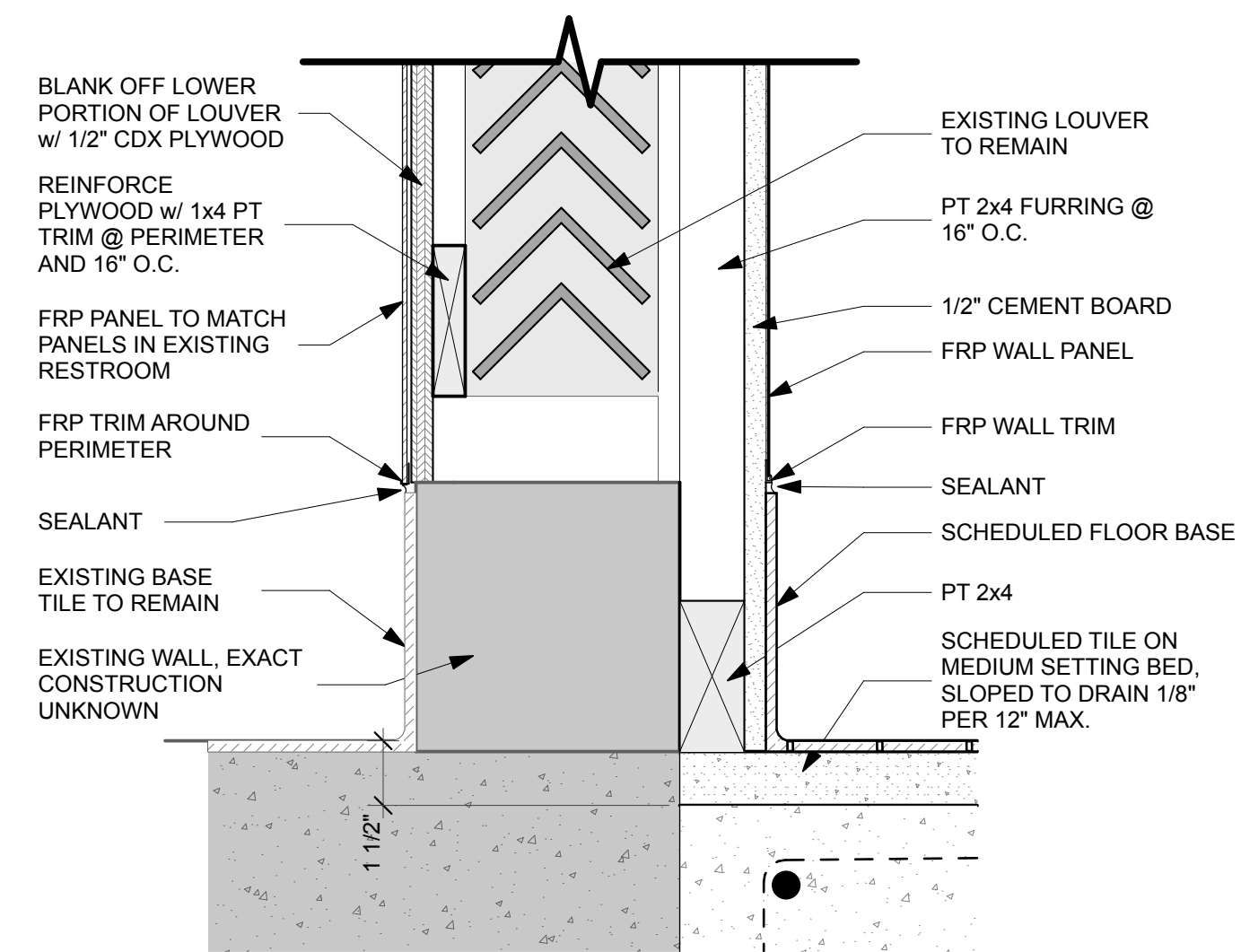
2 SECTION THROUGH NEW RR
SCALE: 1/4" = 1'-0"



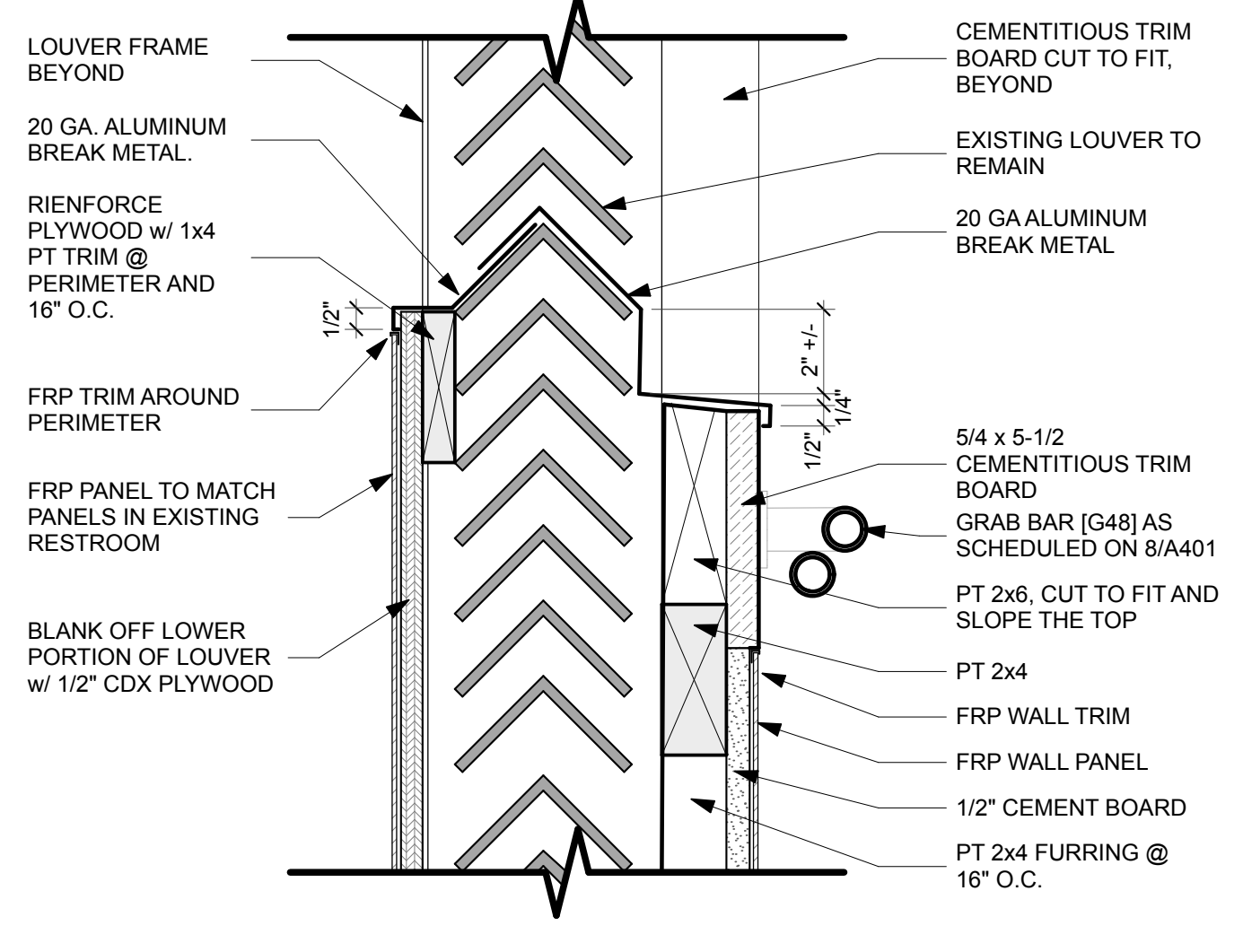
3 LONGITUDINAL BUILDING SECTION
SCALE: 1/4" = 1'-0"



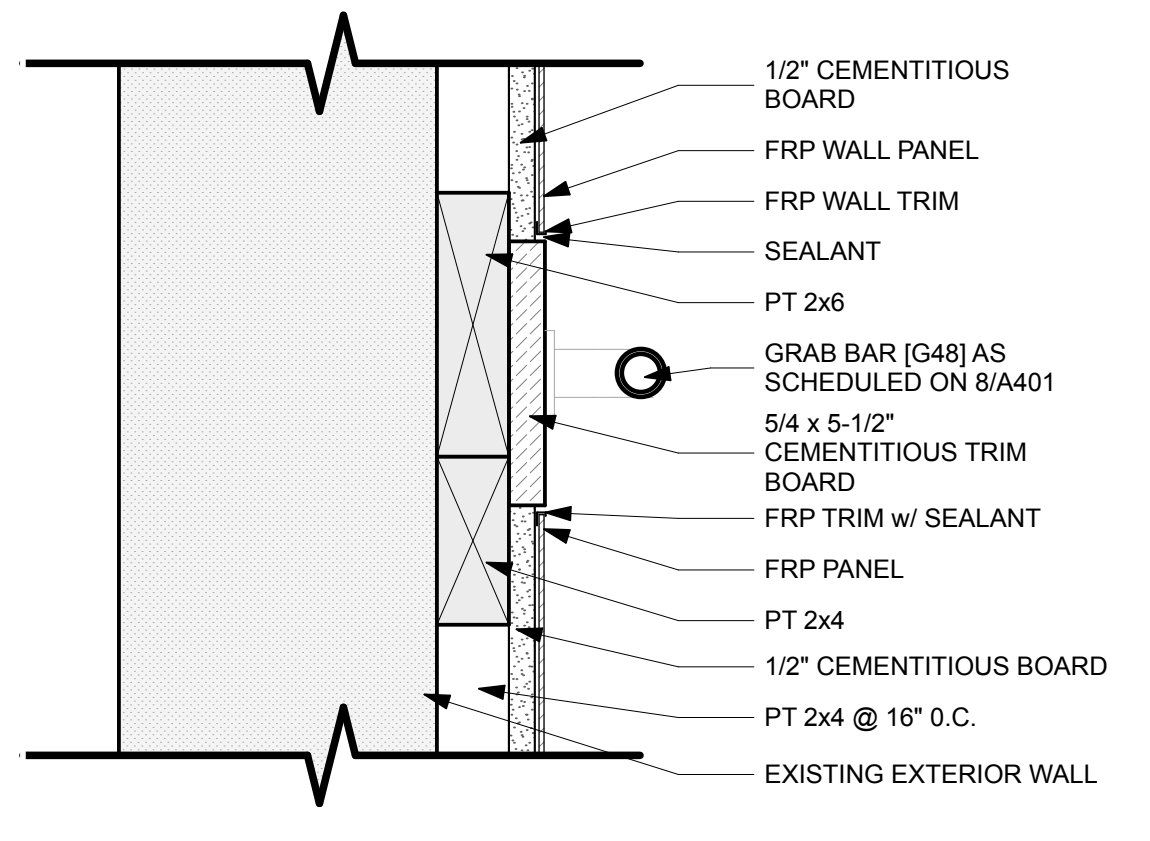
4 EXISTING LOUVER @ JAMB
SCALE: 3" = 1'-0"



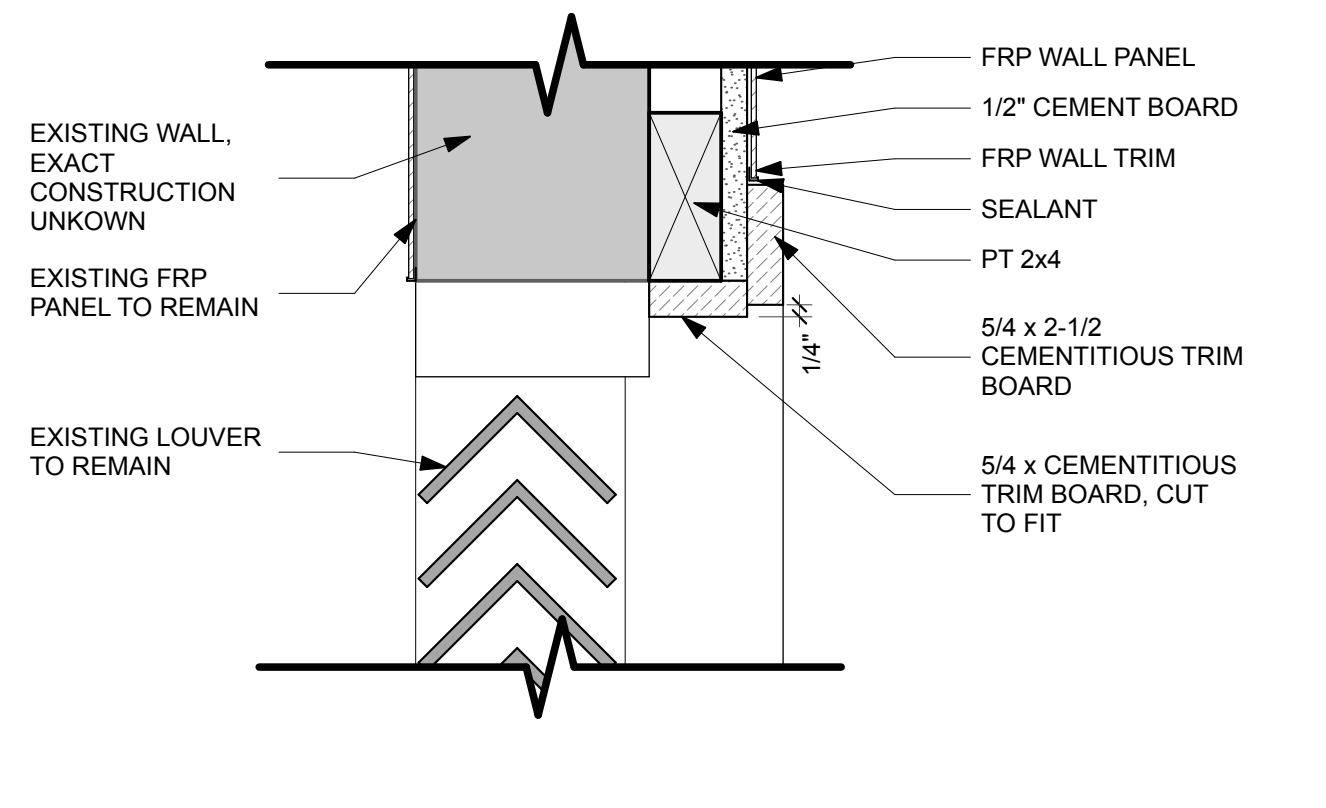
5 EXISTING LOUVER @ BASE
SCALE: 3" = 1'-0"



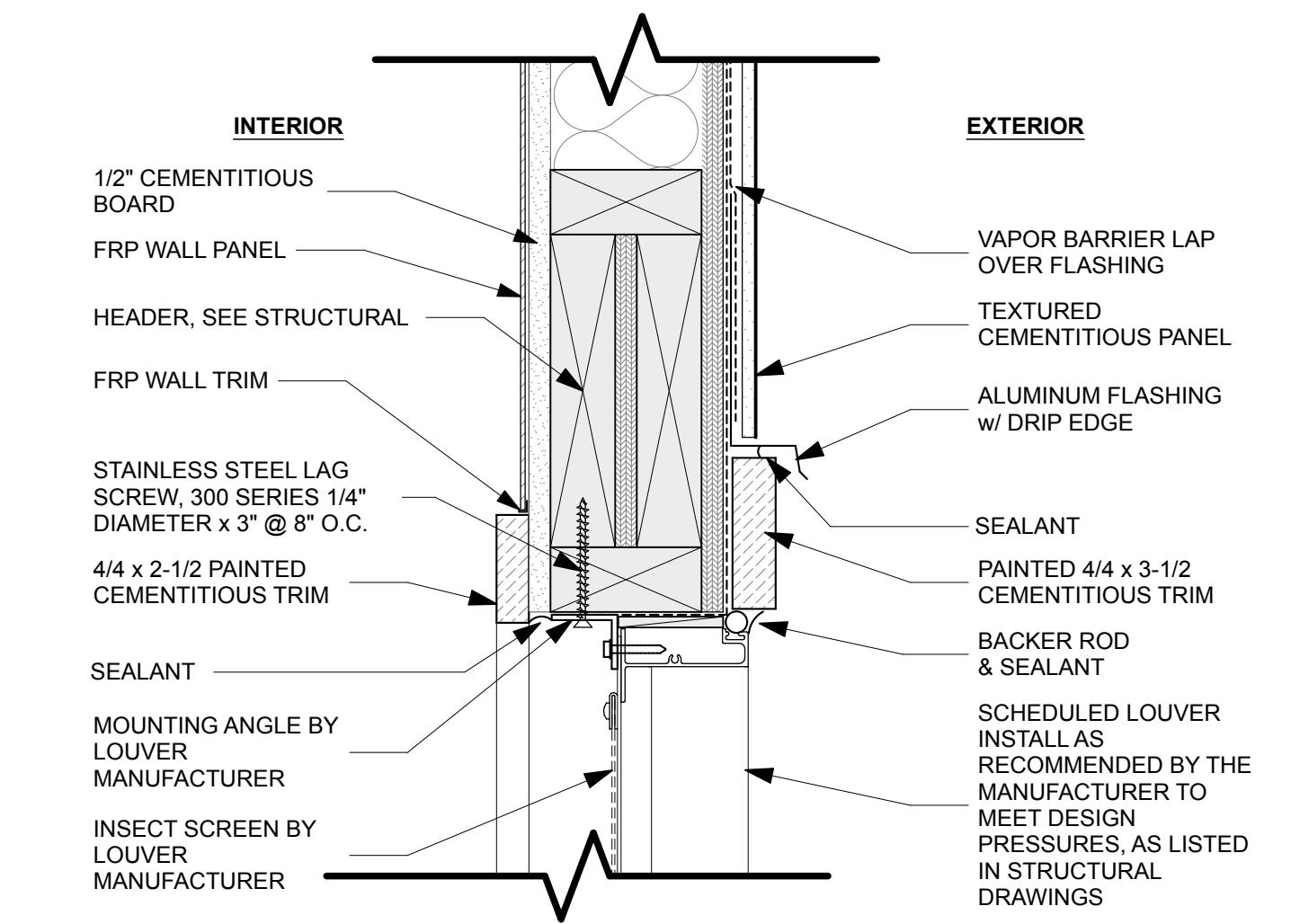
6 EXISTING LOUVER @ GRAB BAR
SCALE: 3" = 1'-0"



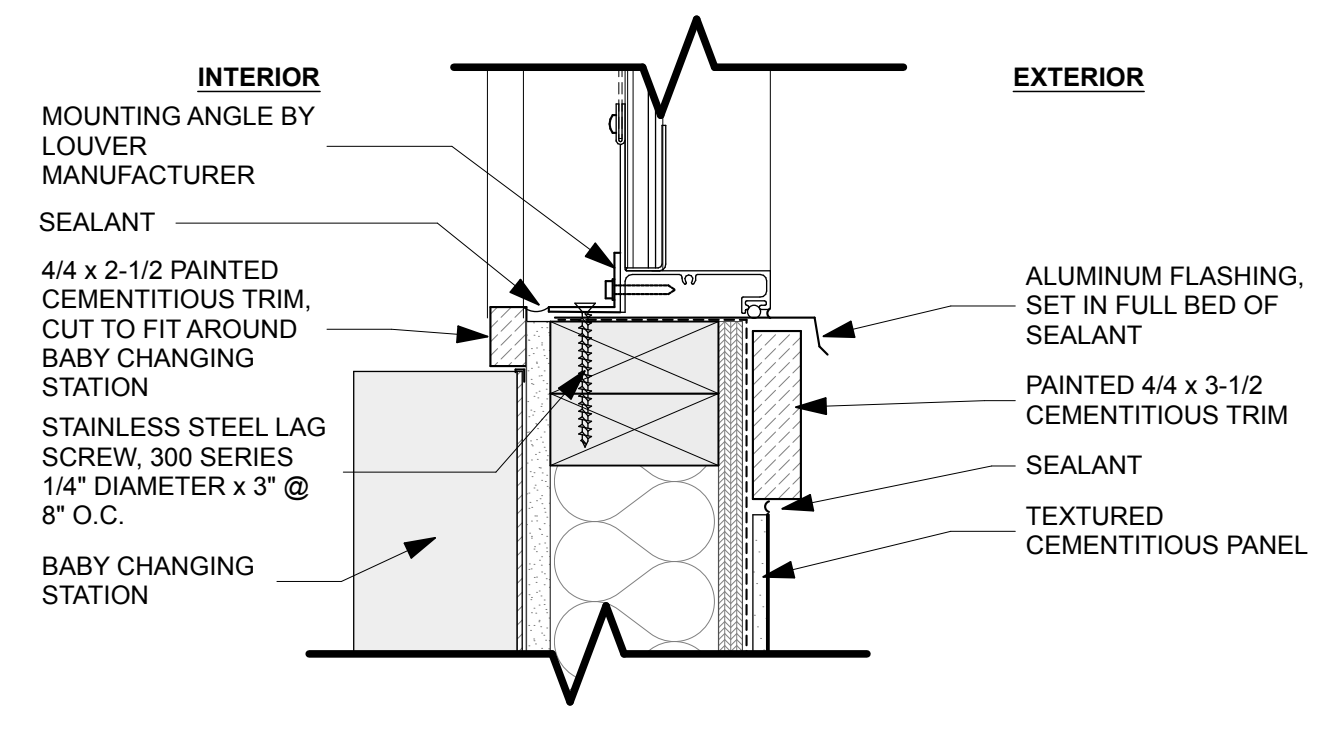
7 FURRED OUT WALL @ GRAB BAR
SCALE: 3" = 1'-0"



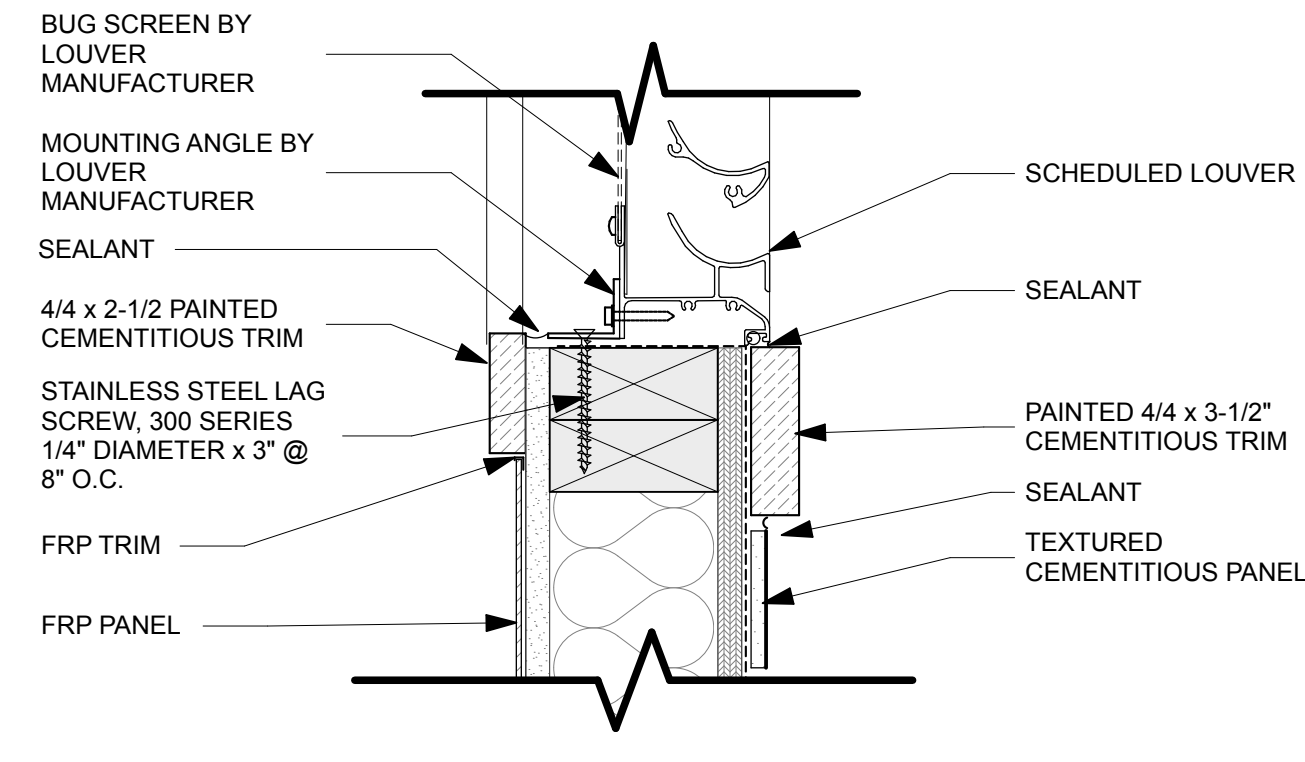
8 EXISTING LOUVER @ HEAD



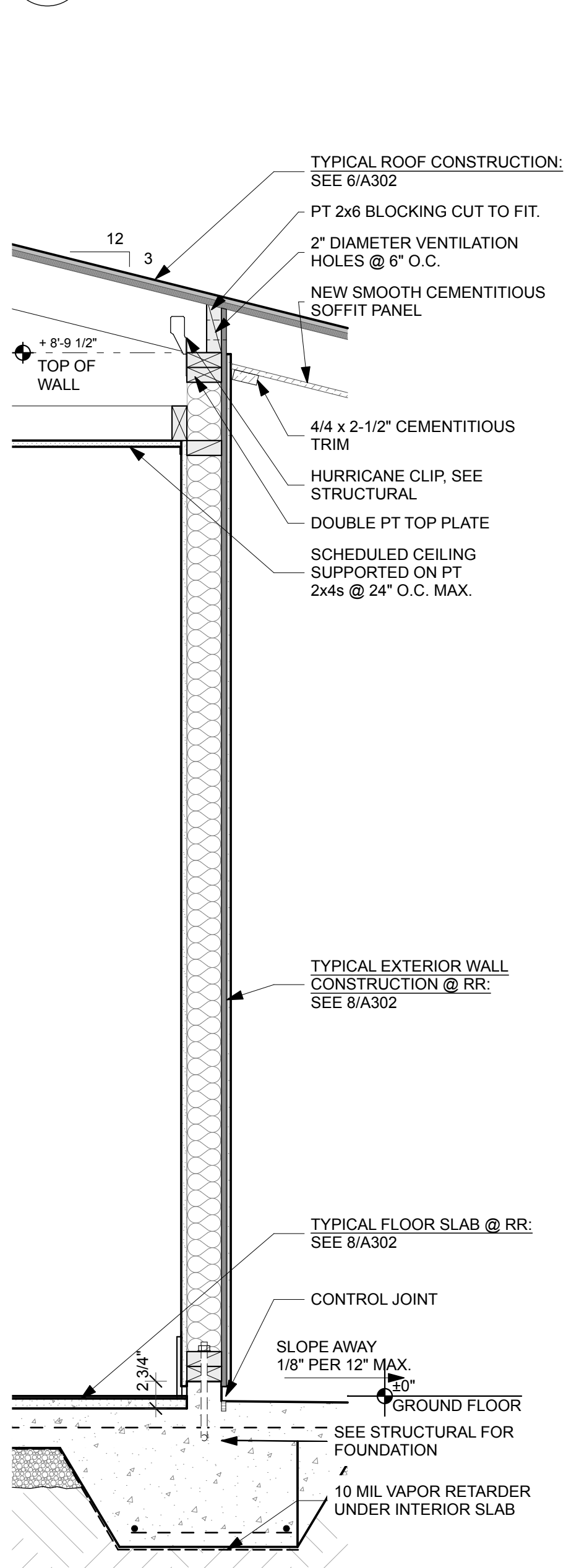
1 NEW LOUVER @ HEAD
SCALE: 3" = 1'-0"



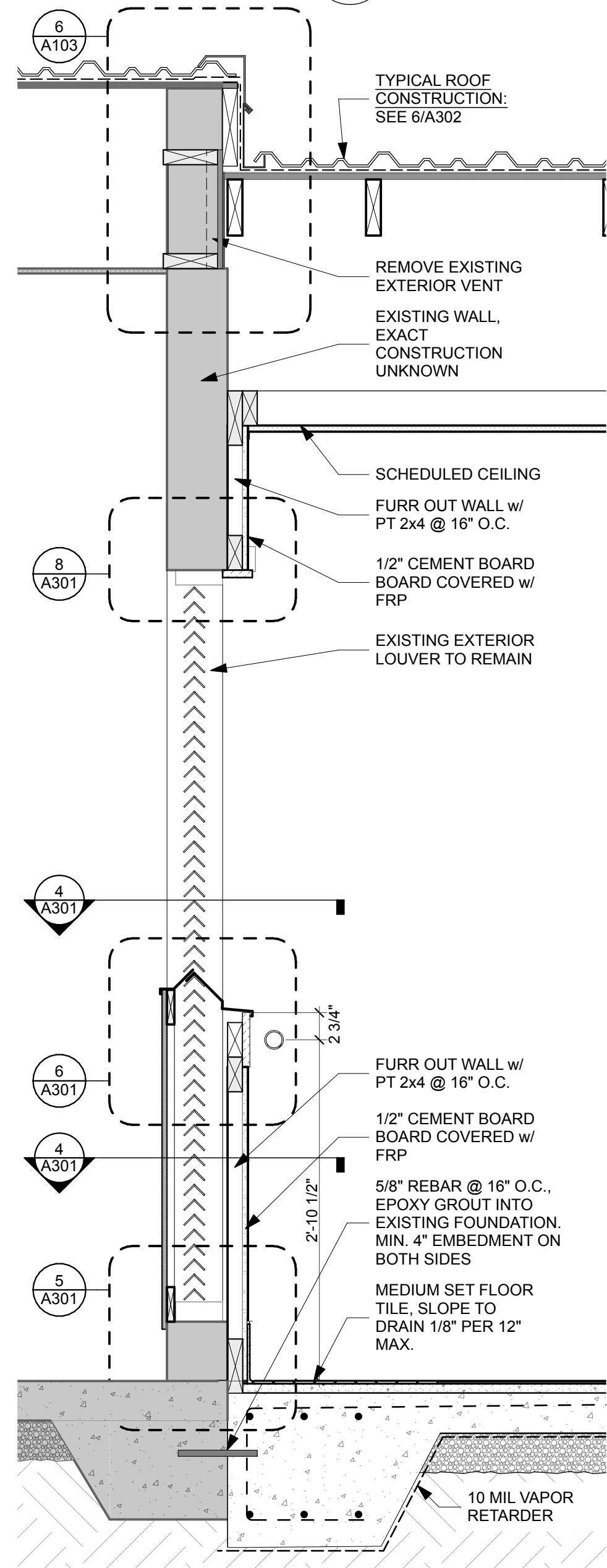
2 NEW LOUVER @ SILL
SCALE: 3" = 1'-0"



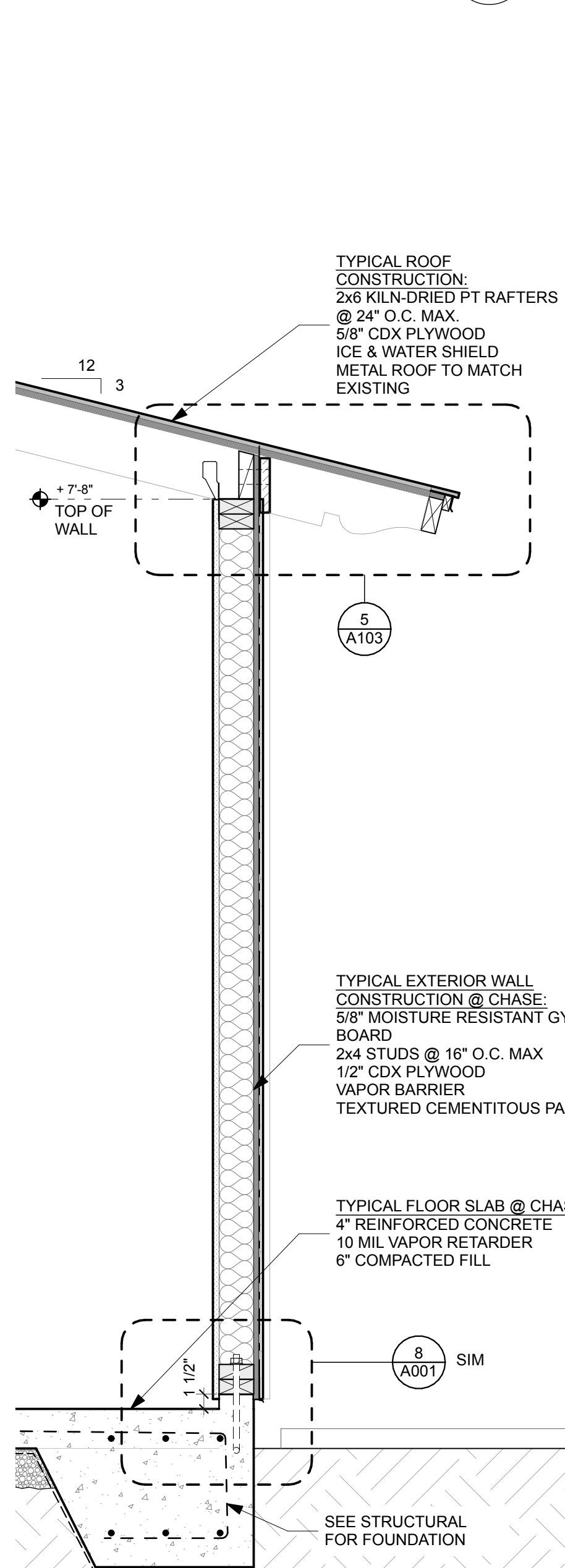
3 NEW LOUVER @ JAMB
SCALE: 3" = 1'-0"



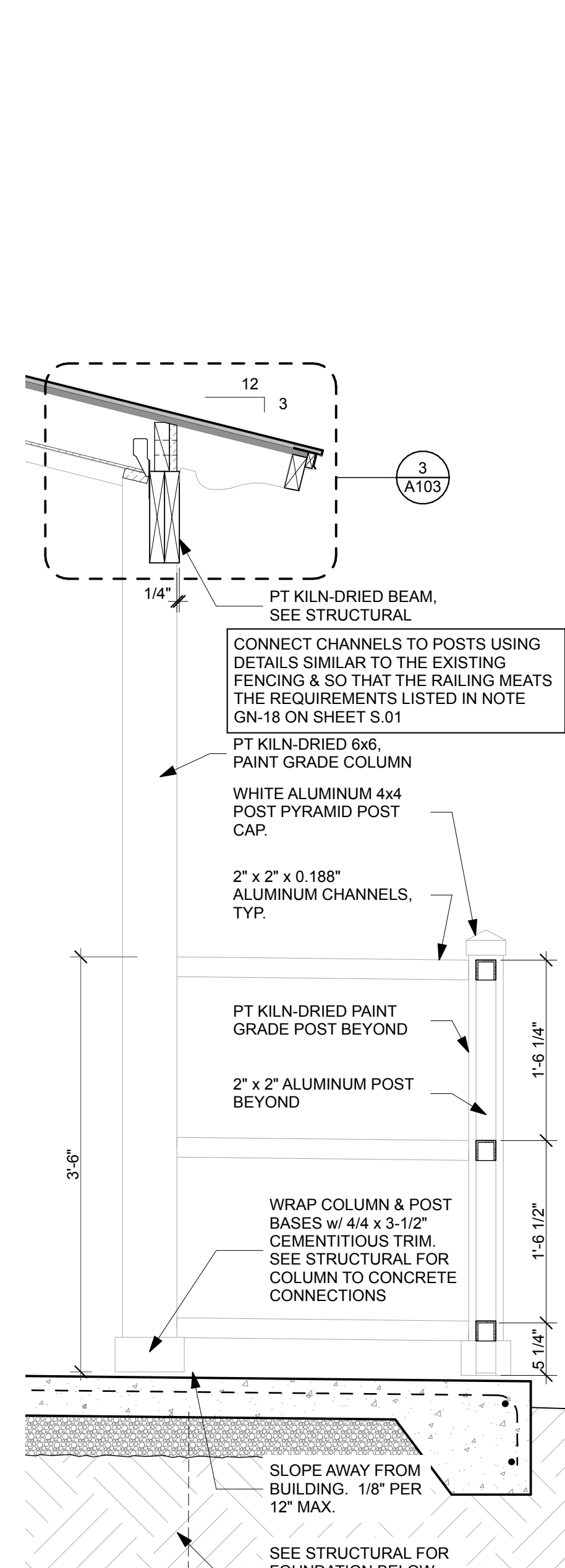
4 WALL SECTION
SCALE: 1" = 1'-0"



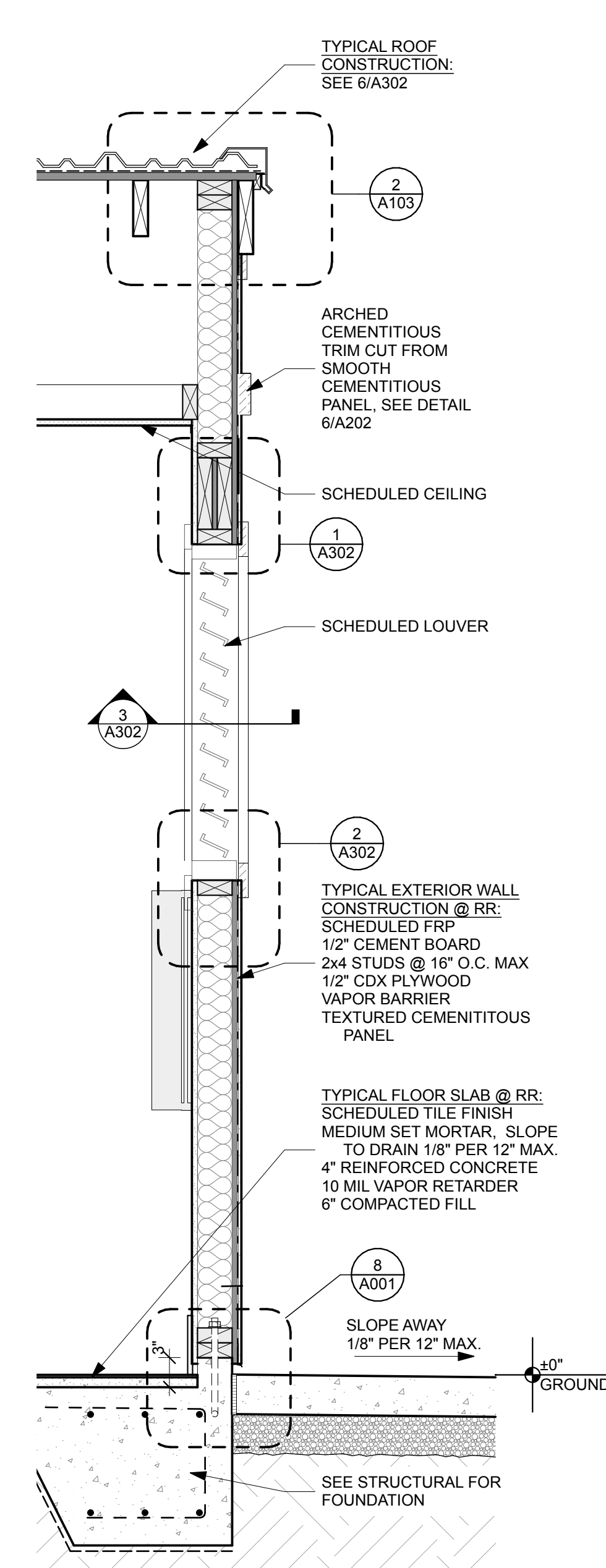
5 SECTION @ EXISTING GABLE
SCALE: 1" = 1'-0"



6 EAVE SECTION @ CHASE
SCALE: 1" = 1'-0"



7 EAVE SECTION @ WALKWAY
SCALE: 1" = 1'-0"



8 SECTION @ NEW GABLE
SCALE: 1" = 1'-0"

DESIGNER: JODIE DODSON	ISSUE DATE: 07/15/2022	SYMBOL	REVISION	DATE
DRAWN BY: KZ	COMP. FILE NO.: 61354C	SYMBOL	REVISION	DATE
REVIEWED BY: JD	STATE PROJECT NO.: 61354C	SYMBOL	REVISION	DATE
CONSULTANT:		SYMBOL	REVISION	DATE

STATE OF FLORIDA
JOEL DODSON
REGISTERED ARCHITECT
AR0015211

JOEL DODSON AR0015211

PONCE DE LEON SPRINGS STATE PARK	PROJECT TITLE
WALL SECTIONS	PROJECT TITLE
RESTROOM ADDITIONS	PROJECT TITLE

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction

3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

A302

SHEET NO.

INTERIOR ELEVATION LEGEND:

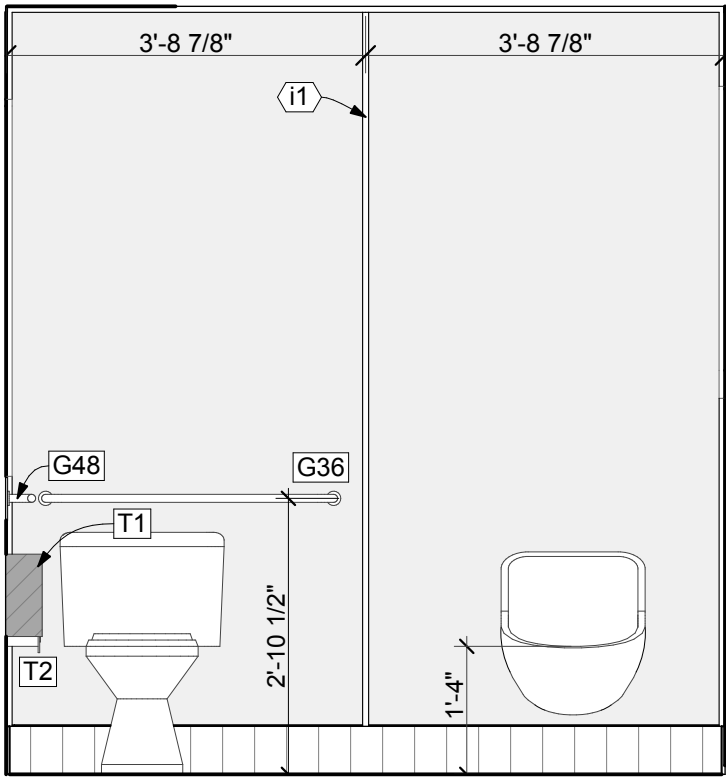
 = FRP WALL PANEL

 = SCHEDULED BASE

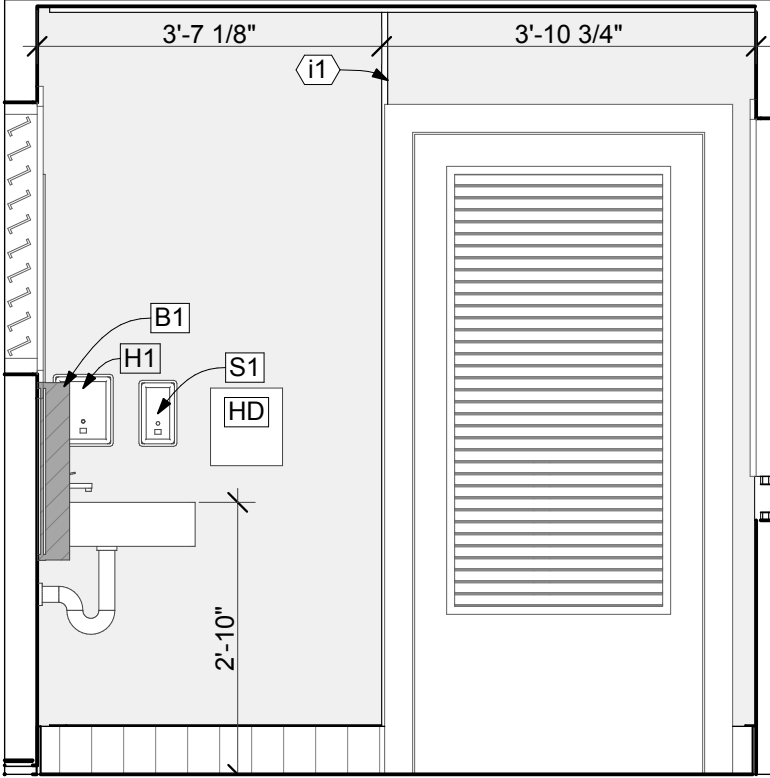
 = INTERIOR ELEVATION KEYNOTES

 = RESTROOM ACCESSORY REFERENCE

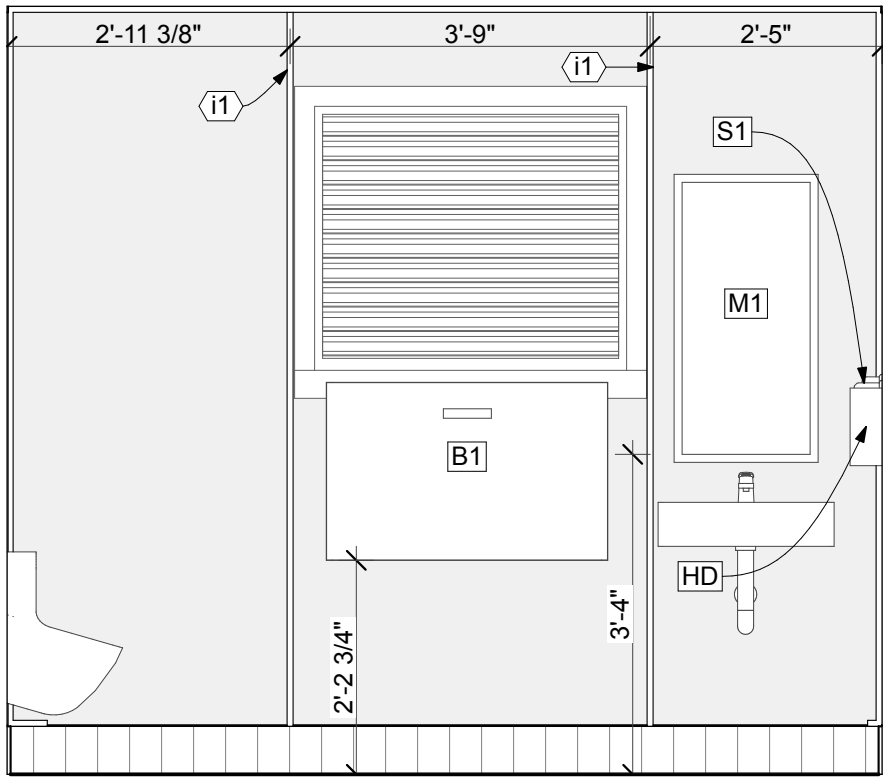
- GENERAL ENLARGED PLAN NOTES:**
- DIMENSIONS FOR STUD WALLS ARE TAKEN TO FACE OF STUDS. DIMENSIONS FOR ACCESSORIES, PLUMBING FIXTURES & TOILET PARTITIONS ARE TAKEN FROM FACE OF WALL FINISH.
 - SEE NEW FLOOR PLAN ON 2/A101 FOR DOOR/ WINDOW NUMBERS, ROOM NAME & NUMBERS.
 - SEE 2/LS001 FOR ADA COMPLIANT MOUNTING HEIGHTS.
 - SEE 2/A001 FOR FINISH SCHEDULE.
 - SET TOP OF SLAB IN THE CHASE EVEN WITH THE FINISHED FLOOR ELEVATION OF THE EXISTING RESTROOMS.
 - RECESS THE CONCRETE SLAB WITHIN THE FAMILY RESTROOMS BY APPROXIMATELY 1-1/2" LOWER THAN THE FINISHED FLOOR HEIGHT OF THE ADJACENT ROOM, LEAVING A CURB BELOW THE EXTERIOR WALLS AS INDICATED IN THE WALL SECTIONS. INTENT IS FOR FINISHED FLOOR AFTER THE TILE HAS BEEN INSTALLED TO BE EVEN WITH THE FINISHED FLOOR OF THE EXISTING RESTROOMS. ADJUST AS REQUIRED. SLOPE THE MEDIUM SET GROUT BED AND TILE TO THE FLOOR DRAIN AT 1/8" PER 12". VERIFY ADA COMPLIANCE AT DOOR THRESHOLD PRIOR TO INSTALLATION.



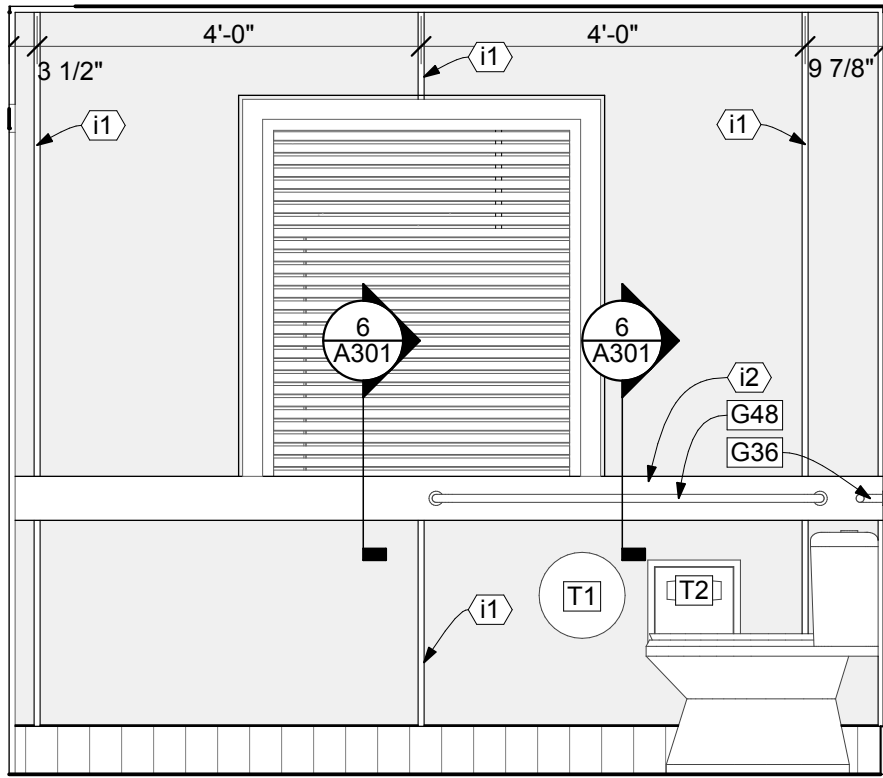
1 FAMILY - NE
SCALE: 1/2" = 1'-0"



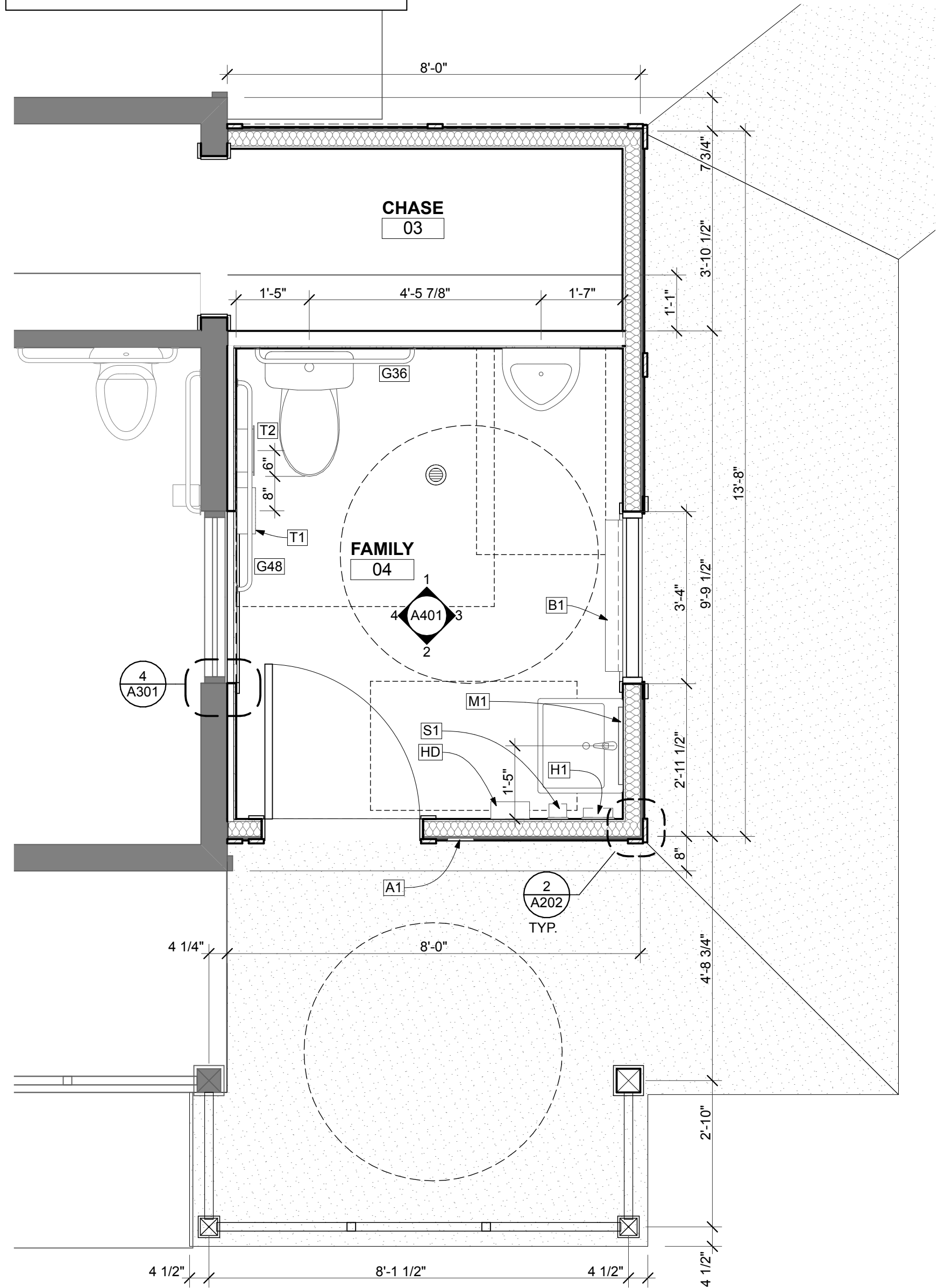
2 FAMILY - SW
SCALE: 1/2" = 1'-0"



3 FAMILY - SE
SCALE: 1/2" = 1'-0"



4 FAMILY - NW
SCALE: 1/2" = 1'-0"



7 ENLARGED PLAN
SCALE: 1/2" = 1'-0"

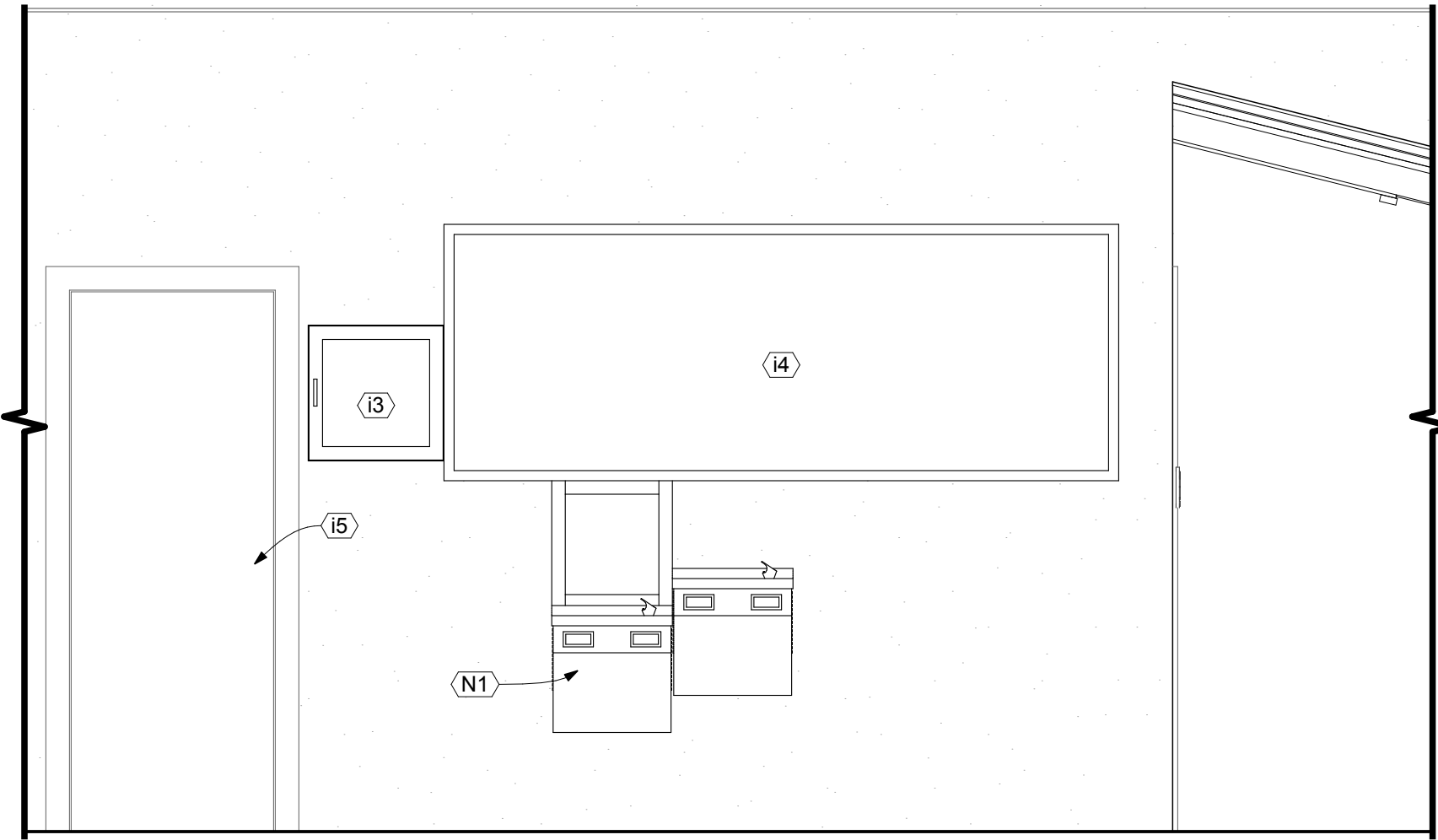
NOTE:
NUMBERS IN THE KEYNOTE SCHEDULE MAY NOT FOLLOW SEQUENTIAL NUMERICAL ORDER AS THE KEYNOTES ARE RELATED TO THE PROJECT AS A WHOLE AND DISPLAY THE KEYNOTES RELEVANT TO EACH SHEET ONLY.

INTERIOR ELEVATION KEYNOTES:	
#	DESCRIPTION:
N1	NEW HIGH-LOW WATER FOUNTAIN w/ WATER BOTTLE FILLING STATION. SEE PLUMBING.
i1	FRP PANEL DIVISION TRIM
i2	5/4 x 5-1/2 CEMENTITIOUS TRIM BOARD
i3	EXISTING DEFIBRILATOR TO REMAIN
i4	EXISTING BULLETIN BOARD TO REMAIN. CONTRACTOR TO RAISE BOARD AS REQUIRED TO ACCOMMODATE NEW WATER FOUNTAIN BELOW. PATCH ANY RESULTING VOIDS TO MATCH EXISTING.
i5	EXISTING DOOR TO REMAIN.

5 INTERIOR ELEVATION KEYNOTES

TAG	DESCRIPTION	MFR.	MODEL	NOTE
A1	ADA COMPLIANT UNISEX RESTROOM SIGN	BEST SIGNS	PC328	INSTALL AT UNISEX BATHROOMS PER ADA REQUIREMENTS. INSTALL SO THAT BOTTOM OF TACTILE CHARACTERS ARE 49" A.F.F.
B1	BABY CHANGING STATION	AJW	U944	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR ADA COMPLIANCE. INSTALL BLOCKING IN WALL AND FASTEN UNIT TO WALL SO UNIT IS CAPABLE OF SUPPORTING 200LBS.
G36	36" LONG GRAB BAR	AJW	UG30-A36	1-1/2" DIAMETER SS GBAR BAR w/ EXPOSED FLANGE. PROVIDE BLOCKING IN WALL AS RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED SO BARS CAN RESIST A MINIMUM OF 260 LBS. EXERTED HORIZONTALLY OR VERTICALLY. INSTALL SO CENTERLINE IS 34.5" A.F.F.
G48	48" LONG GRAB BAR	AJW	UG30-A42	1-1/2" DIAMETER SS GBAR BAR w/ EXPOSED FLANGE. PROVIDE BLOCKING IN WALL AS RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED SO BARS CAN RESIST A MINIMUM OF 260 LBS. EXERTED HORIZONTALLY OR VERTICALLY. INSTALL SO CENTERLINE IS 34.5" A.F.F.
M1	18" X 36" MIRROR	AJW	U700 18"x36"	SURFACE MOUNTED MIRROR w/ STAINLESS STEEL FRAME. INSTALL SO REFLECTIVE SURFACE (NOT BOTTOM EDGE OF FRAME) IS NO MORE THAN 40" A.F.F.
S1	SOAP DISPENSER	AJW	U126 SS	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR ADA COMPLIANCE. CENTERLINE OF OPERATOR MUST NOT BE MORE THAN 48" A.F.F.
H1	DEVICE HOLDER & HOOK	BOBRICK	B-635	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR ADA COMPLIANCE. CENTERLINE OF OPERATOR MUST NOT BE MORE THAN 48" A.F.F.
T1	TOILET TISSUE DISPENSER	AJW	U804	SURFACE MOUNTED JUMBO ROLL TOILET PAPER DISPENSER. INSTALL SO SLOT WHERE PAPER IS ACCESSED IS NOT MORE THAN 18" A.F.F. WHERE INSTALLED BELOW A GRAB BAR, MAINTAIN AT LEAST 4" CLEAR BELOW THE BAR.
T2	SANITARY NAPKIN DISPOSAL	AJW	U591	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. INSTALL SO TOP OF UNIT IS 2'-5" A.F.F.
HD	ELECTRIC HAND DRYER	NOVA	0830	SURFACE MOUNTED, ADA COMPLIANT HARD WIRED HAND DRYER W/ INFRARED SENSOR. COORDINATE VOLTAGE OF UNIT WITH AVAILABILITY ON SITE. MOUNT SO BOTTOM OF UNIT IS 37" A.F.F.

8 ACCESSORY SCHEDULE



6 BREEZEWAY - SE
SCALE: 1/2" = 1'-0"

DESIGNER:	JODIE DODSON	ISSUE DATE:	07/15/2022	SYMBOL		REVISION		DATE	
DRAWN BY:	KZ	COMP. FILE No.:		SYMBOL		REVISION		DATE	
REVIEWED BY:	JD	STATE PROJECT No.:	61354C	SYMBOL		REVISION		DATE	
Consultant:									

STATE OF FLORIDA

JOEL DODSON

AR0015211

REGISTERED ARCHITECT

JOEL DODSON AR0015211

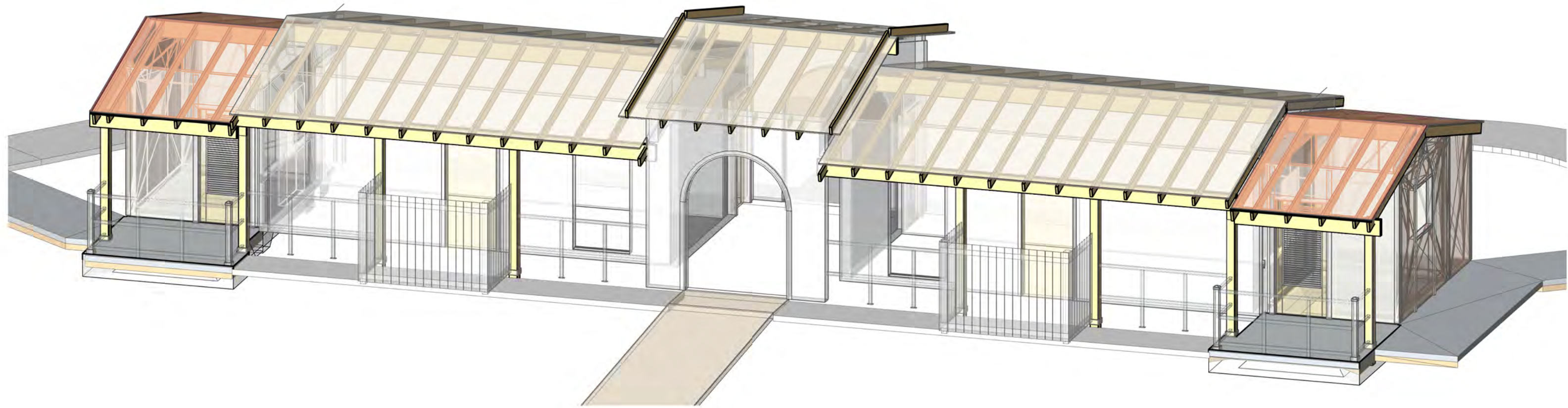
PONCE DE LEON SPRINGS STATE PARK

ENLARGED PLAN

RESTROOM ADDITIONS

A401

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300



PONCE DE LEON SPRINGS STATE PARK

SHEET LIST	
Sheet Number	Sheet Name
S100	COVER SHEET
S101	STRUCTURAL NOTES
S102	STRUCTURAL NOTES
S103	STRUCTURAL PLAN SPECIFICATIONS
S110	ROOF & WALL WIND DIAGRAMS
S210	FIRST FLOOR & ROOF FRAMING PLAN
S301	FOUNDATION & SLAB ON GRADE DTLS
S411	WOOD TYPICAL DETAILS & SCHEDULES
S412	WOOD DETAILS
S413	WOOD DETAILS



BLISS & NYITRAY, INC.
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227 N Bronough St., Suite 7300
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www.bnienigneers.com
Christopher S. Childers, P.E. Fla. Reg. No. 31248

To the best of the Structural Engineer's
knowledge, the Plans and Specifications comply
with the applicable minimum building codes.

PONCE DE LEON SPRINGS STATE PARK

SHEET TITLE

COVER SHEET

PROJECT TITLE

RESTROOM ADDITIONS

PROFESSIONAL REGISTRATION
CHRISTOPHER S. CHILDERS
P.E. No. 31248

DESIGNER: CSC
DRAWN BY: TLC
REVIEWED BY: CSC
Consultant:

ISSUE DATE: 07/15/2022
COMP. FILE NO:
STATE PROJECT No: 61354C / BNI 22T05



3011 E Powell Road | Tallahassee, FL 32308
850.866.7326 | #A48301632

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

No.	Revision Description	Date

SHEET NO.
S100

STRUCTURAL NOTES

GENERAL NOTES

- GN-1 The governing Code for this Project is the Florida Building Code, 7th Edition (2020). This Code prescribes which edition of each referenced standard applies to this Project.
- GN-2 To the best of our knowledge, the Structural Drawings and Specifications comply with the applicable requirements of the governing Building Code.
- GN-3 Construction is to comply with the requirements of the governing Building Code and all other applicable Federal, State, and Local Codes, Standards, Regulations and Laws.
- GN-4 Use these Notes in conjunction with the Plan Specifications or Project Specifications. If a conflict exists, the more stringent governs.
- GN-5 See Plan Specifications or Project Specifications for testing.
- GENERAL NOTES - CONTRACTOR REQUIREMENTS**
- GN-6 Contractor refers to the General Contractor, Construction Manager, or the organization that is assigned to have overall responsibility and supervision of the Project.
- GN-7 The Contractor shall be solely responsible for, and have control over, the means, methods, supervision, techniques, sequences, procedures of construction, quality, and correctness of the work. The Contractor is solely responsible for jobsite safety including all OSHA requirements.
- GN-8 The Contractor shall coordinate all Contract Documents with field conditions and dimensions and Project Shop Drawings prior to construction. Do not scale drawings; use only printed dimensions. Report any discrepancies in writing to the Architect prior to proceeding with work. Do not change size or location of structural members without written instructions from the Structural Engineer of Record.
- GN-9 Contractors who discover discrepancies, omissions or variations in the Contract Documents during bidding shall immediately notify the Architect. The Architect will resolve the condition and issue a written clarification.
- GN-10 The Contractor shall protect adjacent property, his own work and the public from harm. The Contractor is advised to document the condition of adjacent property with a photographic survey and other documentation, including crack monitoring, prior to and during construction.

GENERAL NOTES - DRAWINGS

- GN-12 The Structural drawings shall be used in conjunction with the architectural drawings and all other drawings and documents, including shop drawings prepared by equipment suppliers and delegated engineers.
- GN-13 Openings shown on Structural Drawings are only pictorial. See the Architectural for complete information such as slab depressions, slopes, curbs, finishes, and opening locations in structural members as required by MEP systems and architectural elements.
- GN-14 Details labeled "typical" apply to all situations that are the same or similar to those specifically referenced, whether or not they are keyed in at each location. Questions regard-ing the applicability of typical details shall be resolved by the Architect.
- GN-15 When joists or beams are not specifically dimensioned, they are located equally between gridlines or equally between dimensioned members.

GENERAL NOTES - DESIGN LOADS

- GN-17 Design Loads:

<u>OCCUPANCY</u>	<u>LIVE LOAD</u>	<u>DEAD LOAD</u>
Roof Sloped	20 psf	7 psf
Public Areas	100 psf	20 psf
Storage	125 psf	10 psf
Mechanical Room	150 psf	15 psf
Electrical Room	150 psf	15 psf
Planter Wet Soil Density	100 pcf	

Live Load reduction for beams, columns and foundations has not been taken in accordance to the governing building code. Live Load reduction for slabs and joist is not permitted.

Design superimposed dead loads listed above do not include masonry walls or other concentrated loads. See architectural drawings for these loads. Concentrated live loads do not act concurrently with area live loads.

- ### GN-18 Handrails and Guards:

Linear Loading	50 lbs/ft
Concentrated Loading	200 lbs
Intermediate Rails	50 lbs
Applied Area	1 sf

Loads shall be applied to act in any direction at any point on the handrail or top rail to produce the maximum load effect. Linear and concentrated loading shall not be applied concurrently. Glass in handrails and guards shall be designed with a safety factor of 4.

- GN-19 Design Wind Loads:

Governing Code	FBC 7 th Edition (2020) / ASCE 7-16
Building Risk Category	II
Ultimate Wind Speed	Vult = 131 mph
Allowable Stress Design Wind Speed	Vasd = 102 mph
Mean Roof Height	12 feet
Directionality Factor	Kd = 0.85
Gust-Effect Factor	G = 0.85
Exposure	B
Internal Pressure Coefficient	Gcpi = +/-0.18

SHOP DRAWINGS AND OTHER SUBMITTALS

- SD-1 Refer to the applicable Plan Specifications or Project Specifications for technical content requirements. Incomplete submittals will be returned without review.
- SD-2 Submit specific components, such as columns, footings, etc., in a single package. Submit similar floors together.
- SD-3 On first submittal, clearly flag and cloud all differences from the Contract Documents. On resubmittals, flag and cloud all changes and additions to previous submittal; only clouded items will be reviewed.
- SD-4 Submittals for special structural, load-bearing items that are required by Codes or Standards to resist forces must be prepared by, or under the direct supervision of, a Delegated Engineer. Examples include Prefabricated Wood Components and Shoring and Reshoring.
- SD-5 A Delegated Engineer is defined as a Florida Licensed Engineer who specializes in and undertakes the design of Structural Components or Structural Systems included in a specific submittal prepared for this Project and is an employee or officer of, or consultant to, the Contractor, Subcontractor, Fabricator, or Erector responsible for the submittal. The Delegated Engineer shall sign, seal and date the submittal, including calculations and drawings. See Plan Specifications or Project Specifications for more specific criteria.
- SD-6 The Trade Contractor is responsible for confirming and correlating dimensions at the job sites, for tolerances, clearances, quantities, fabrication processes and techniques of construction, coordination of the work with other trades and full compliance with the Contract Documents.
- SD-7 The Contractor shall review and approve submittals, including substitution requests and shop drawings, and shall sign and date each drawing prior to submitting to the Architect. This approval is to confirm that the submittal is complete, complies with the submittal requirements and is coordinated with field dimensions, other trades, erection sequencing and constructability. Submittals not reviewed by the Contractor will be returned without review.
- SD-8 Bliss & Nyitray (BNI) reviews submittals to confirm that the submittal is in general conformance with the design concept presented in the Contract Documents. Quantities and dimensions are not checked. Notations on submittals do not authorize changes to the contract sum. Checking of the submittal by BNI shall not relieve the Contractor of responsibility for deviations from the Contract Documents and from errors or omissions in the submittal.
- SD-9 BNI's review of Delegated Engineer submittals is limited to verifying that the specified structural submittal has been furnished, signed and sealed by the Delegated Engineer and that the Delegated Engineer has understood the design intent and used the specified structural criteria. No detailed check of calculations is made. The Delegated Engineer is solely responsible for his/her design, including but not limited to the accuracy of his/her calculations and compliance with the applicable codes and standards.
- SD-10 BNI may transfer to the Contractor BIM files, CAD files or other electronic data for use in preparing Shop Drawings. The contractor shall email a request for BIM or CAD files along with an acknowledgement that he/she has read and agreed to the following terms and conditions:
- A. This electronic data remains the property of BNI, and in no case shall the transfer of these files be considered a sale. The files shall not be used for other projects, additions to this project, or for completion of this project by others.
 - B. The Contractor is responsible for assuring that the electronic data accurately represents the Contract Documents. In the event of a conflict, the Contract Documents shall govern.
 - C. The electronic data is current as of the date of transfer but may subsequently be revised or supplemented. If so, then the Contractor may request updated electronic data.
 - D. The use of these electronic data shall not modify Contractor's responsibility for coordination with other trades, or for the proper checking and coordination of dimensions, details, member sizes and gage, and quantities of materials to facilitate complete and accurate fabrication and erection.
 - E. Do not scale dimensions since the electronic data may not be precise and, in some cases, have been intentionally altered for presentation purposes.
 - F. Contractor shall indemnify, defend and hold harmless BNI from all claims, damages, losses, expenses, penalties, and liabilities, including attorneys' fees, arising out of or resulting from the use of the electronic data by Contractor or others.

SHALLOW FOUNDATIONS

- SF-1 Foundation design, soil preparation and compaction are based on Geotechnical Investigation, Data and Recommendations in Report #301-05-16-01 by Environmental and Geotechnical Specialists, Inc. dated September 2016.
- SF-2 Footing sizes and reinforcing are based on an assumed allowable soil bearing capacity of 1500 psf. As determined by Florida Building Code 1806.2 Presumptive Load-Bearing Values. All footings shall bear on compacted fill, natural soil or rock prepared per the Geotechnical Report. The Geotechnical Engineer who checks compaction of the soils shall also verify that the assumed bearing capacity is achieved.
- SF-3 Subgrade preparation shall be field controlled and tested by a Licensed Soils Engineer in accordance with the Geotechnical Report. At completion, that Engineer shall prepare and submit to the Owner, Architect, Contractor and Structural Engineer a signed and sealed letter indicating that the recommendations of the Geotechnical Report have been followed.
- SF-4 Foundation excavations shall be dry prior to placing concrete. Contact Geotechnical Engineer if a dry condition cannot be achieved. Reinforcing in salt-water environment shall be sprayed with fresh water no more than 1 hour prior to concrete placement.
- SF-5 Provide waterproofing of underground structural members as indicated on the Architectural drawings.

EXCAVATION, BACKFILL AND DEWATERING

- | | |
|------|---|
| EB-1 | The Contractor is solely responsible for all excavation procedures including lagging, shoring, and protection of adjacent property, existing structures, streets and utilities in accordance with the requirements of the local building department and OSHA regulations. Do not excavate within one foot of the angle of repose of any soil bearing foundation unless the foundation is properly protected against settlement. |
| EB-2 | The Contractor is responsible for the disposal of all accumulated water in a manner that does not in-convenience or damage the work. |

SLABS ON GRADE

- SG-1 Above subgrade, use fill containing not more than 10% passing #200 sieve and maximum 1 inch diameter. Compact to 95% of maximum dry density as determined by modified proctor ASTM D-1557. Each layer of fill shall not exceed 6" loose thickness. Compact prior to placement of the next layer.
- SG-2 Fill placement and compaction shall be monitored and accepted by the testing agency. Take a min. of one field density test (ASTM D-1556 or D-2922) for each 2,500 square feet of each layer. The testing agency shall randomly select test locations.
- SG-3 For interior slabs use 10 mil vapor retarder complying with ASTM E1745 between soil and bottom of slab and install in conformance with ASTM E1643. Lap joints 6" and seal with manufacturer approved tape. Repair all punctures and tears, and seal around all penetrations. Do not use any sheeting below exterior concrete slabs.
- SG-4 Use 4" thick slabs on grade reinforced with 6 x 6 - W2.9 x W2.9 welded wire reinforcement supplied in flat sheets only. Use chairs to support wire reinforcement in the center of slab. Fiber reinforced concrete shall not be used at slabs to receive a broom finish.
- SG-5 Provide crack control joints at 10 feet maximum to limit areas between joints to 100 sq. ft. in all floating slabs on grade 2 hours after final finish but not more than 8 hours after completion of the pour. Aspect ratio shall not exceed 1.25. Avoid L-shaped panels. Locate to conform to bay spacing whenever possible, add crack control joints at re-entrant corners which tend to invite cracks.
- SG-6 In sidewalks and walkways, locate isolation joints at 20 ft. o.c. maximum score and tool between isolation joints in equal bays of 5 ft. or less.
- SG-7 See the Architectural Drawings for slab on grade depressions and other requirements.
- SG-8 Termite protection shall be provided by a Registered Termiticides, and a certificate of compliance shall be issued to the building department per the Florida Building Code, section 1816. Refer to the Architectural Drawings for additional information.

REINFORCED CONCRETE

- RC-1 Provide ACI 301 and 318 and Plan Specifications or Specification Sections 032000, 032001 and 033000.

RC-2 Provide structural concrete with a minimum ultimate compressive design strength in 28 days as follows:

<u>Element</u>	<u>Strength</u>
Slabs on Grade	3000 psi

RC-3 Use normal weight concrete for all structural members. u.o.n.

RC-4 Provide ASTM A615 Grade 60 reinforcing steel. Reinforcing shall be accurately placed, rigidly supported and firmly tied in place, with appropriate bar supports and spacers. Lap continuous reinforcing 48 bar dia. Provide cover over reinforcing as follows:

<u>Element</u>	<u>Bottom</u>	<u>Top</u>	<u>Sides</u>
Slabs on Grade	2"	1"	2"
Slabs Exposed to Weather	1 1/2"	1 1/2"	1 1/2"

RC-5 Provide A706 reinforcing steel when the rebar is to be welded. Do not weld A615 bars.

RC-6 Deformed Bar Anchor (DBA) shall conform to ASTM A496 with a minimum yield strength of 70,000 PSI. Reinforcing bars, A615 or A706, is not an acceptable substitution for DBA's.

RC-7 Provide galvanized reinforcement in areas exposed to the environment, such as balconies, or as indicated on the drawings.

RC-8 Where specified, provide plain, cold-drawn electrically-welded wire reinforcement conforming to ASTM A185. Supply in flat sheets only. Lap splice two cross wire spacings.

RC-9 Utilities may not penetrate beams or columns but may pass through slabs and walls individually, u.o.n. For openings 24" long or less, cut reinforcing and replace alongside opening with splice bars of equivalent area with 48 bar dia. lap. Prepare and submit shop drawings for openings longer than 24". For rectangular openings 12" long or longer, add 1#5 x 6' mid depth diagonal at all 4 corners.

RC-10 Where reinforcing steel congestion permits, conduit and pipes up to 1" diameter may be embedded in concrete per ACI 318, Section 20.7. Space at 3 diameters o.c. Place in the middle third of the slab depth. If conduits are significantly congested, additional reinforcing perpendicular to piping may be required. Requests to embed larger pipes should be accompanied by a detailed description and be submitted to the architect for evaluation. Aluminum conduits shall not be placed in concrete.

RC-11 Provide construction joints in accordance with ACI 318, Section 26.5.6. Provide keyways and adequate dowels. Submit drawings showing location of construction joints and direction of pour for review.

RC-12 Provide 3/4" chamfer for all exposed corners.

RC-13 Provide reinforcing steel installer with a set of Structural Drawings for field reference. Inspect reinforcing steel placing from structural drawings.

POST-INSTALLED ANCHORS - GENERAL

- | | |
|------|--|
| AN-1 | Substitution requests will be considered for products having an ICC-ES report recognizing the product for the appropriate application. Substitute concrete anchors must be approved for use in cracked concrete. Substitution requests shall include signed and sealed calculations prepared by a Florida Licensed Engineer who demonstrates that substituted product is capable of achieving the equivalent performance values of the design basis product. |
| AN-2 | Confirm the absence of reinforcing steel by drilling a 1/4" diameter pilot hole for each anchor in non-post-tension applications. For post-tensioned slabs, confirm the absence of reinforcing steel by nondestructive testing prior to drilling holes. Do not cut reinforcing steel without approval of the Structural Engineer. |

SHEET NO. S101	PONCE DE LEON SPRINGS STATE PARK		PROFESSIONAL REGISTRATION							
	SHEET TITLE				CHRISTOPHER S. CHILDERS P.E. No. 31248					
	STRUCTURAL NOTES									
	PROJECT TITLE		RESTROOM ADDITIONS							
					DODSTONE ARCHITECTS 3011-1 Powell Road Tallahassee, FL 32308 850.656.7326 #AA36001632 Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300					
					DESIGNER: CSC	ISSUE DATE: 07/15/2022	No.	Revision Description	Date	
					DRAWN BY: TLC	COMP. FILE NO:				
					REVIEWED BY: CSC	STATE PROJECT NO. 61354C / BNI 22T05				
					Consultant:					

STRUCTURAL NOTES CONT'D

- AN-3 Install in accordance with manufacturer's printed installation instructions (MPII) (ACI 314-14, 17.8.1). Refer to MPII for appropriate drill size. Clean hole and remove dust.
- AN-4 Anchors listed below may not be used to substitute the specified anchors in a product's Notice of Acceptance (NOA) or Florida Product Approval.
- AN-5 Anchors shall be installed in concrete having a minimum age of 21-days at time of anchor installation (ACI 318-14, 17.1.2)

POST-INSTALLED ANCHORS - MECHANICAL ANCHORS

- AN-6 For anchoring into concrete: Wedge-Type Mechanical anchors shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. Pre-approved anchors include Hilti Kwik Bolt TZ, DeWalt Power-Stud+SD1, and Simpson Strong-Bolt 2.
- AN-7 For anchoring into grouted masonry: Wedge-Type Mechanical anchors shall have been tested and qualified for use in accordance with ICC-ES AC01. Pre-approved anchors include the Hilti Kwik Bolt III, DeWalt Power-Stud+SD1, and Simpson Wedge-All.

POST-INSTALLED ANCHORS - SCREW ANCHORS

- AN-8 For anchoring into concrete: Screw anchors shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. Pre-approved anchors include the ½"Ø Hilti KH-EZ and the ½"Ø DeWalt Screw Bolt +.

POST-INSTALLED ANCHORS - ADHESIVE ANCHORS

- AN-9 For upwardly inclined or horizontal anchors, installer shall be certified by the ACI/CRSI Adhesive Anchor Installation Certification Program.
- AN-10 Install adhesive anchors in accordance with manufacturer's requirements for concrete age, temperature, moisture condition, acceptable drilling methods, and hole preparation in conformance with ACI 318-14, 17.8.2.1.
- AN-11 For anchoring into concrete: Adhesive anchors shall have been tested and qualified for use in accordance with ACI 355.4 and ICC-ES AC308. Pre-approved standard cure time adhesives include Hilti RE500v3, DeWalt Pure 110+, and Simpson Set-XP.
- AN-12 Threaded rods for use with adhesive are galvanized ASTM F1554 Grade 36 U.O.N.

WOOD

- WD-1 All wood construction and connections shall conform to AITC "American Institute of Timber Construction" manual, and to NDS "National Design Specifications" for wood construction, and to the Florida Building Code, 7th Edition (2020), Chapter 23, and Plan Specifications or Specification Section 061100.

WD-2	All member sizes are to be as shown on drawings and provide the following minimum properties:						
Member	Species	Fb (psi)	Fv (psi)	FC Perp (psi)	FC Parallel (psi)	E (psi)	E _{min} (psi)
A. 2"-4" Wide	S.P.#2	1100	175	565	1450	1,400,000	510,000
B. 5"-6" Wide	S.P.#2	1000	175	565	1400	1,400,000	510,000
C. 12" Wide	S.P.#2	750	175	565	1250	1,400,000	510,000

- WD-3 All wood in contact with concrete or masonry shall be pressure treated.
- WD-4 All bolts for bolted connections shall conform to ASTM A307, U.O.N. Use washers between wood and all bolt heads and nuts
- WD-5 All metal wood connectors shall be galvanized or stainless steel type 316
- WD-6 Do not splice structural members between supports unless otherwise indicated.
- WD-7 Where beams or columns are formed of two or more members, they shall be full length and fastened together per table on these drawings.
- WD-8 Stud walls shall be of stud size and spacing as specified in the schedule on the drawings. Provide horizontal blocking in stud walls per schedule.
- WD-9 Exterior non-shear walls shall have 19/32" plywood, rated Exposure 1 sheathing with studs spaced not more than 16" O.C. Plywood shall be nailed to support with 10d galvanized box nails @ 6" O.C. maximum at all panel edges and intermediate framing, and at 4" o.c. at corner studs. Block all panel edges. For interior and exterior shear walls, see drawings for sheathing type, thickness, and attachment.
- WD-10 Roof sheathing shall be 19/32" thick Exposure 1, Structural 1 plywood roof sheathing. Connect to the roof rafters as shown in the drawings. Place face grain perpendicular to supports. Place sheathing with staggered joints and continuous over 2 or more spans with grade stamp exposed for inspection. Provide 1/16" space at end joints and 1/8" at edge joints. Provide pliclips along edge joints between supports.

DEMOLITION NOTES

- DE-1 Contractor shall provide all temporary scaffolding, platforms, barricades, railings, screening, etc. necessary to protect existing facilities, structures and the public during demolition and erection of the new construction, as well as, for job safety. Job safety, construction and demolition procedures are the sole responsibility of the contractor, including removal of hazardous material prior to start of the work. Contractor is required to take all precautions to minimize vibration, noise, dust, and debris in all areas adjacent to areas of demolition.
- DE-2 Contractor shall coordinate with Owner the temporary suspension of use of any facility or portion thereof and the associated barricading requirements a minimum of 7 days prior to commencing work.
- DE-3 Contractor shall perform work in a manner which will not conflict with any operation which is to remain functional during the course of the project, until such operation is scheduled to be shut down.
- DE-4 Contractor shall coordinate with Owner the temporary suspension of use of any utility system, a minimum of 3 days prior to commencing work.

- DE-5 Install all temporary and/or permanent bracing and supports before demolishing any structural element. Wherever the Contractor is unsure of these requirements, the Contractor shall retain a Florida Licensed Engineer to design and inspect the bracing, support, and stability of the structure. Demolition sequence shall not be performed in a manner that will overload existing structural framing.
- DE-6 Provide temporary closure of all roof fascia, wall, and other openings to protect building from exposure to undesirable elements until new construction is weatherproofed, at which time such temporary construction shall be removed. All temporary exterior walls that are subject to wind loads are to be designed by a Florida licensed Delegated Engineer. Submit drawings and calculations for review.
- DE-7 Contractor shall engage a Florida licensed Delegated Engineer to design any temporary protected egress paths shown on the Architectural drawings.
- DE-8 At all locations where new construction will interface with existing elements, cut through existing structure in straight and true lines to insure a neat interface.
- DE-9 Drilling and saw cutting into the existing structure shall be performed in a manner which avoids damage to all existing reinforcing unless approved by the EOR. Prior to drilling or saw cutting, locate existing reinforcing by use of GPR or X-ray to avoid damage. Contractor shall submit penetration layout drawings for openings not shown on the structural drawings. Drawings shall indicate opening size, location, and approximate number of reinforcing steel bars that will be cut for review by the EOR.
- DE-10 All penetrations with widths less than existing reinforcing spacing shall be located to avoid damage to existing reinforcing. Penetrations with widths greater than existing reinforcing spacing shall be located to minimize the number of cut reinforcing.
- DE-11 Refer to details for trenching of existing slab on grade. The Contractor is solely responsible for all excavation procedures including lagging, shoring, and protection of adjacent property, structures, streets, and utilities in accordance with the requirements of the local building department and OSHA regulations. Do not excavate within one foot of the angle of repose of any soil bearing foundation or slab unless the foundation or slab is properly protected against settlement.
- DE-12 At all locations where the demolition of a concrete member leaves the ends of reinforcing steel exposed, provide the following:

- A. Chip concrete from around the steel to a depth of 1" (interior) or 1 3/4" (exterior).
- B. Cut off reinforcing steel not less than 3/4" (interior) or 1 1/2" (exterior) below the concrete surface.
- C. Fill the cavity flush with Sikadur 31 Hi-Mod Gel epoxy paste.

- DE-13 Upon completion of new construction under each phase, all demolished areas shall be restored to acceptable usage according to the contract documents as determined by the Architect/Engineer.

- DE-14 Remove completely from the site and legally dispose of all debris generated by the demolition work as the work progresses. Stockpiling of debris and burning of debris on premises is strictly prohibited.

EXISTING CONDITION NOTES

- EC-1 No Record Drawings of the existing building were available. Contractor is to field verify existing conditions before proceeding with fabrication and installation of new work.
- EC-2 Contractor shall verify existing conditions which may not be consistent with the existing structure depicted in the plans and details, or which may interfere with the installation of the new structure. Contractor shall assume that some details may have to be adjusted to fit existing conditions once uncovered.
- EC-3 Contractor is to notify the Architect of any discrepancies and shall include the necessary written descriptions, sketches, field measured dimensions, sizes and locations of existing members and photographs to describe the discrepancy.
- EC-4 If the existing conditions once uncovered represent questionable materials, some testing may be required by a testing laboratory to be hired by the owner. BNI will select areas and/or materials to be tested, and the strengthening shall be completed prior to connecting new members to the questionable existing members. The strengthening work will be paid by owner with a change order.



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Christopher S. Childers, P.E. Fla. Reg. No. 31248

To the best of the Structural Engineer's knowledge, the Plans and Specifications comply with the applicable minimum building codes.

SHEET NO.	SHEET TITLE	PROJECT TITLE	PONCE DE LEON SPRINGS STATE PARK	PROFESSIONAL REGISTRATION															
				CHRISTOPHER S. CHILDERS															
				P.E. No. 31248															
				DODSTONE ARCHITECTS 3011-1 Powell Road Tallahassee, FL 32308 850.666.7326 #A42601632															
STRUCUTURAL NOTES				DESIGNER: DRAWN BY: REVIEWED BY:				ISSUE DATE: 07/15/2022 COMP. FILE No: STATE PROJECT No. 61354C / BNI 22T05				No. Revision Description Date				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300			
RESTROOM ADDITIONS				Consultant:															

STRUCTURAL PLAN SPECIFICATIONS

GENERAL NOTES

SGN-1 These Plan Specifications are intended to be used for projects without Project Specification Books. If they are accidentally issued along with a Project Specification Books, the Project Specification Books shall supersede the Plan Specifications.

RISK CATEGORY	1.0 MULTPLIER	0.60 MULTPLIER	0.42 MULTPLIER
Risk Category II	700 YEAR MRI	50-YEAR MRI	25-YEAR MRI

SGN-2 The structure is designed for lateral movement of H/400 or better. This drift is based on wind loads with a 50-year mean recurrence interval.

SGN-3 The floor and roof members are designed for a vertical deflection of L/240 for total load, and L/360 for live load at occupied floors and L/240 at roofs. It is advised that all interior partitions and exterior precast or curtain wall system be attached to the structure by the Delegated engineer, with a connection that would allow for vertical movement.

SHOP DRAWINGS AND SUBMITTALS

SSD-1 Material substitution shall not be submitted in the shop drawings without a substitution request being made to the Architect in advance and in writing, along with detailed substitution cost savings to be credited to the Owner. Upon approval by the Architect, the material substitution can be included in the submitted shop drawings.

SSD-2 All signed and sealed Shop Drawings prepared by a Delegated Engineer shall be accompanied by signed and sealed calculations. Shop Drawing submittals without calculations will be returned without review.

SSD-3 All structural Shop Drawings shall be submitted in PDF format to BNI for review and approval. Submittals shall be reviewed and electronically stamped by the Contractor as having "No Exception Taken".

SSD-4 Manufacturer Literature and Product Data shall be submitted in PDF format. The submittals will be stamped as "Received, for record only" by BNI and returned accordingly.

SSD-5 All structural Shop Drawings and calculations prepared by a Delegated Engineer shall be submitted in PDF format and electronically signed and sealed by the Delegated Engineer. Once the submittal is approved by BNI, then a signed and sealed hard copy shall be submitted to BNI to receive an "Approved" stamp so the submittal can be submitted to the building department.

REINFORCED CONCRETE

SRC-1 Prepare and submit formwork shop drawings in compliance with ACI 301 and ACI 347R. Formwork design for safety, structural adequacy, and efficiency is the Contractor's responsibility.

SRC-2 Provide form-facing panels that will provide continuous, true, and smooth concrete surfaces.

SRC-3 Formwork for the sides of beams, walls, columns and similar elements, that does not support the weight of concrete may be removed after curing at not less than 50 degrees for 24 hours after placing concrete if concrete is hard enough to not be damaged by form removal.

SRC-4 Prepare and submit reinforcing steel shop drawings prepared according to ACI 315 and ACI SP-66. Include bar sizes, length, material, grade, bar schedules, stirrup spacing, bent bar diagrams, arrangement location of splices, length of splices, tie spacing, hoop spacing and supports of reinforcement.

SRC-5 Fabricate and install steel reinforcement according to CRSI's "Manual of Standard Practice."

SRC-6 Clean reinforcement of loose rust and mill scale, earth, ice, and other foreign materials that reduce bond to concrete.

SRC-7 Repair cut and damaged zinc coatings with zinc repair material according to ASTM A780.

SRC-8 Submit design mixes for each concrete mix for the following concrete grades:					
Element	Strength	Air Yes/No	Max. Aggregate Size	W/C or W/(C&P)*	Exposure Class*
Slab on Grade	3000	N	1"	0.64	F0
* Letter in Exposure Category denotes Exposure Class: F: Freezing and thawing. S: Sulfate. P: Requires low permeability. C: Corrosion protection of reinforcement.					

SRC-9 The minimum portland cement content of any concrete mix with slag cement is 280 lbs/CY, for all other concrete mixes, the minimum portland cement content is 423 lbs/CY. Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:

1.

Concrete mixes containing fly ash: 15%-20%.
2.

Concrete mixes containing slag cement: 40%-50%.
3.

Concrete mixes containing fly ash and slag cement: 50% with fly ash or slag not exceeding 25%.

SRC-10 Provide concrete having entrained air content of 3%-5% except 1%-3% for concrete to receive a hard trowel finish (floor slabs).

SRC-11 Place concrete within 90 minutes of adding water to the mix. The Contractor may request additional time from the special inspector who can authorize an additional 30 minutes.

SRC-12 The amount of water added to the mix at the site is limited to the amount identified on the batch ticket as that being withheld at the batch plant. Water shall be added prior to initial discharge of concrete. No water can be added at the site if the batch ticket does not clearly identify the amount withheld at the plant. No water may be added once concrete placement has started.

SRC-13 Provide batch ticket for each ready-mixed batch discharged and used in the Work, indicating Project identification name and number, date, mix type and number, batch time, mix time, quantity, and amount of water added, and amount withheld at the plant. Record approximate location of final deposit in structure.

SRC-14 Deposit concrete continuously in one layer or in horizontal layers so that no new concrete will be placed on concrete that has hardened. Avoid inclined construction joints. Consolidate concrete with mechanical vibrating equipment. Do not use vibrators to transport concrete inside forms.

SRC-15 Cure concrete according to ACI 308.1 and as follows:

1.

Curing Compound: Apply to all concrete surfaces that are not permanently exposed. Provide a second coat applied at 90 degrees to initial application within three hours of initial application.
2.

Curing and Sealing Compound: Apply to permanently exposed concrete surfaces. Repeat process after 24 hours.
3.

Contractor shall confirm that curing compounds are compatible with flooring finishes and will not adversely affect the performance or warranty of the flooring.

SRC-16 Sample all concrete after water and admixtures have been added. Obtain at least one composite sample for each 100 CY or fraction thereof of each concrete mix placed daily. For slabs 6 inches or thinner, increase frequency to each 50 CY or fraction thereof of each concrete mix placed daily.

SRC-17 Cast and laboratory cure one set of four standard cylinder specimens for each composite sample. Take sample at point of placement for pumped concrete.

SRC-18 Test one specimen at 7-days and three at 28-days. If one of the first two 28-day test falls below specified strength, test the remaining specimen at 56-days.

SRC-19 Strength of each concrete mix will be satisfactory if the average of two cylinders at 28-days equals or exceeds the specified concrete strength, if not, then the average of any three consecutive strength tests (two at 28-days and one at 56-day) equals or exceeds specified compressive strength and no compressive strength test falls below specified compressive strength by 10% or 500 psi, whichever is less.

SRC-20 Provide test results to Architect, Engineer, and Concrete Company.

SRC-21 Contractor shall notify Architect and BNI of any concrete that fails to meet the design strength. Additional testing including destructive testing may be required to validate the in-place concrete strength. Testing with a Swiss Hammer is not an acceptable method of establishing in-place concrete strength.

WOOD FRAMING

SGN-1 Framing with Engineered Wood Products: Install engineered wood products to comply with manufacturer's written instructions.

SGN-2 Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry accurately to other construction. Locate blocking, grounds, and similar supports to comply with requirements for attaching other construction.

SGN-3 Install shear wall panel to comply with manufacturer's written instructions.

SGN-4 Install metal framing anchors to comply with manufacturer's written instructions. Install fasteners through each fastener hole.

SGN-5 For interior non-load bearing partitions and walls, provide minimum 2x4 nominal size wood studs spaced 24 inches O.C. unless otherwise indicated on the Architectural drawings.

SGN-6 For non-load-bearing partitions, provide double-jamb studs and headers not less than 4-inch nominal depth for openings 48 inches and less in width, 6-inch nominal depth for openings 48 to 72 inches in width, 8-inch nominal depth for openings 72 to 120 inches in width, and not less than 10-inch nominal depth for openings 10 to 12 feet in width.

SGN-7 Treat ends of timber beams and posts exposed to weather by dipping in water-repellent preservative for 15 minutes.

SGN-8 Under non-load-bearing partitions, provide double joists separated by solid blocking equal to depth of studs above.

SGN-9 For exposed framing, hand-select material for uniformity of appearance and freedom from characteristics, on exposed surfaces and edges, that would impair finish appearance, including decay, honeycomb, knot-holes, shake, splits, torn grain, and wane.

SGN-10 Wall and Parapet Sheathing: DOC PS 1, Exposure 1, Structural I sheathing. Span Rating: Not less than 24/0. Nominal Thickness: As specified on the drawings, but not less than 5/8 inch for exterior walls and not less than 3/8 inch for interior shear walls.

SGN-11 Roof Sheathing: DOC PS 1, Exposure 1, Structural I sheathing. Span Rating: Not less than 32/16. Nominal Thickness: Not less than 19/32 inch.



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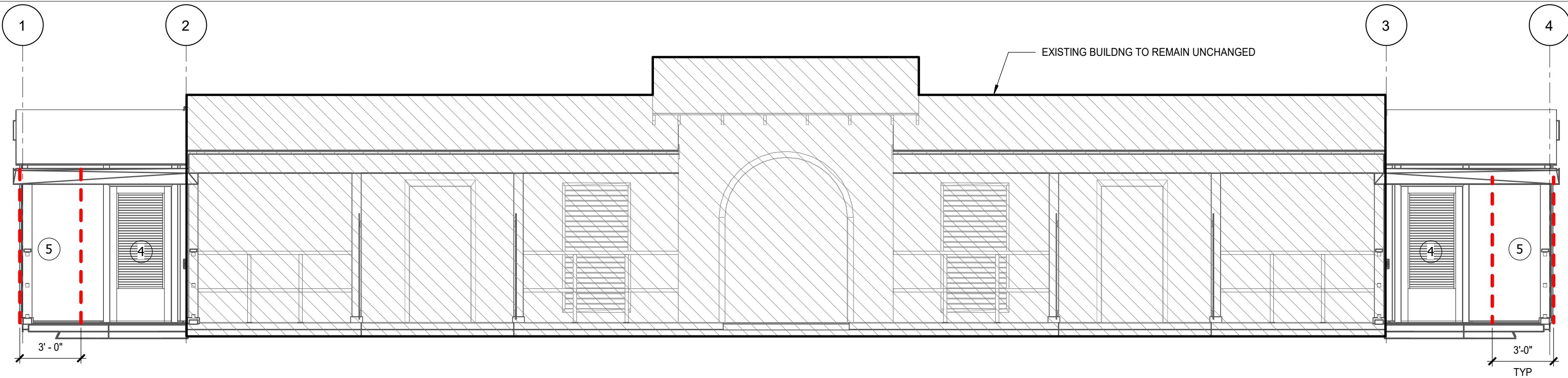
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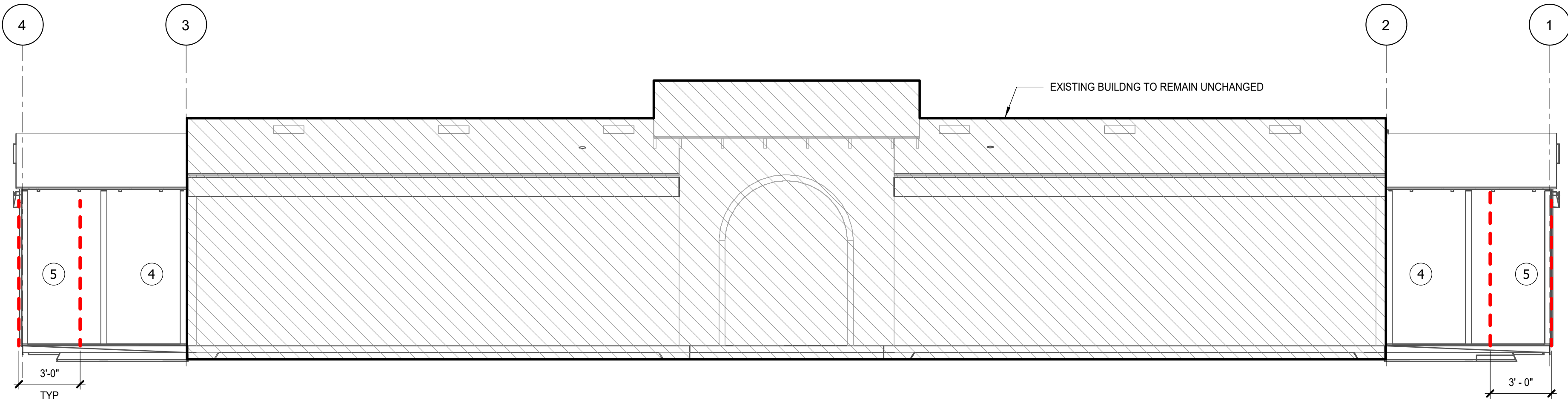
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		CHRISTOPHER S. CHILDERS P.E. No. 31248									
		SHEET TITLE									
		STRUCTURAL PLAN SPECIFICATIONS									
		PROJECT TITLE									
S103	RESTROOM ADDITIONS	CONSULTANT									
		DODSTONE ARCHITECTS									
		3011-1 Powell Road Tallahassee, FL 32308 850.656.7326 #A4826001632									
		ISSUE DATE: 07/15/2022									
		No.									
DESIGNER: CSC		COMP. FILE No:		STATE PROJECT No: 61354C / BNI 22T05		Revision Description		Date			
DRAWN BY: TLC		REVIEWED BY: CSC									

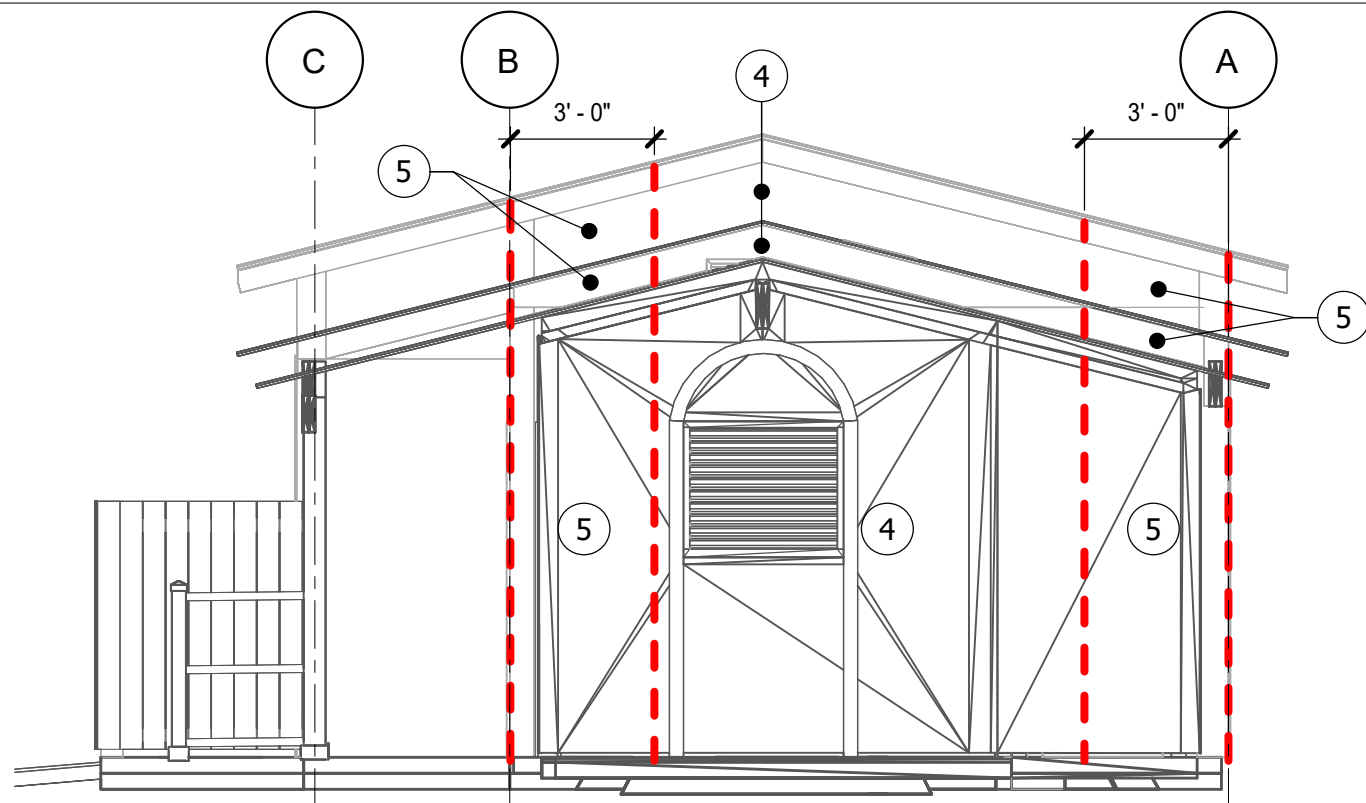
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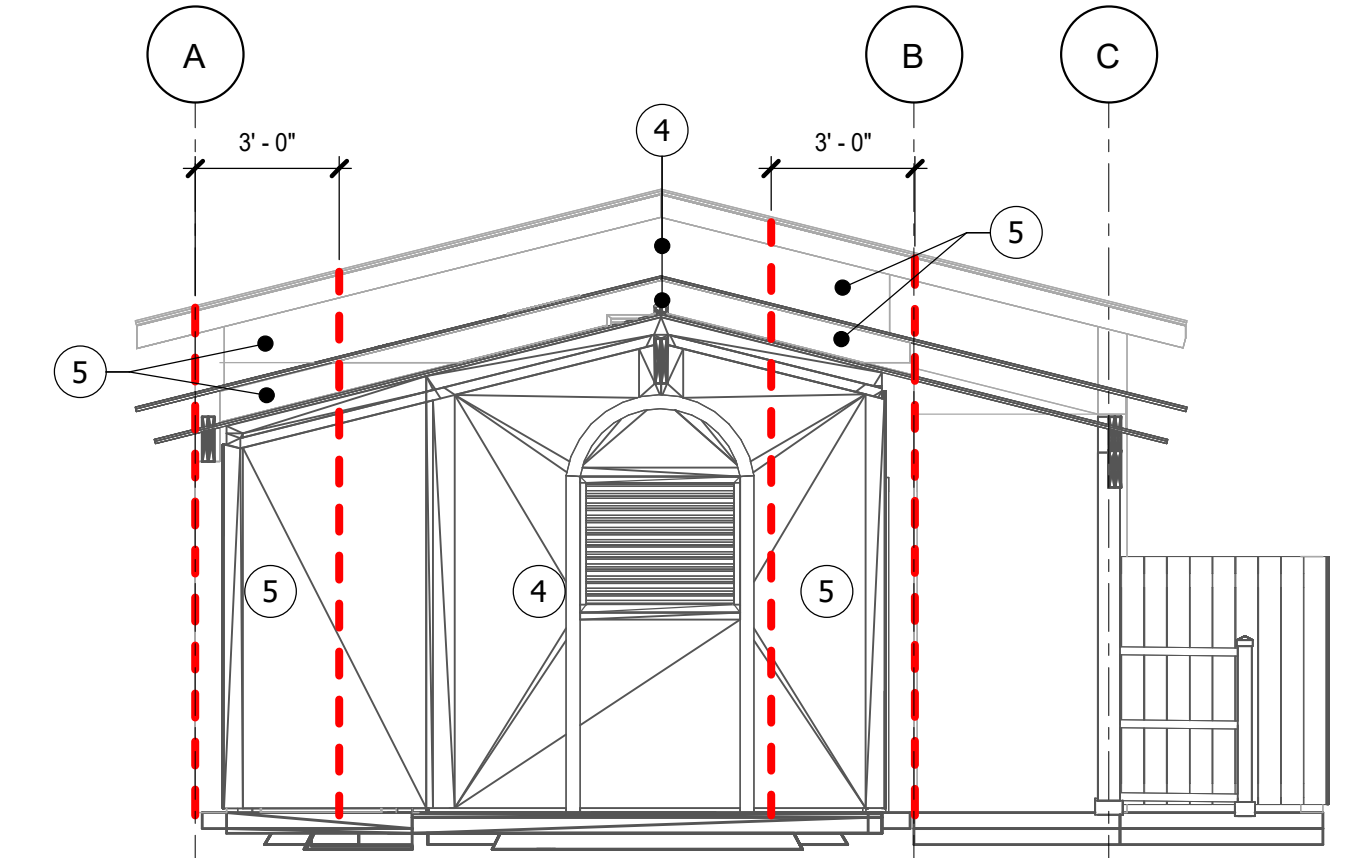
A SOUTH WINDLOAD ELEVATION
1/4" = 1'-0"



C NORTH WINDLOAD ELEVATION
1/4" = 1'-0"



B EAST WINDLOAD ELEVATION
1/4" = 1'-0"



D WEST WINDLOAD ELEVATION
1/4" = 1'-0"

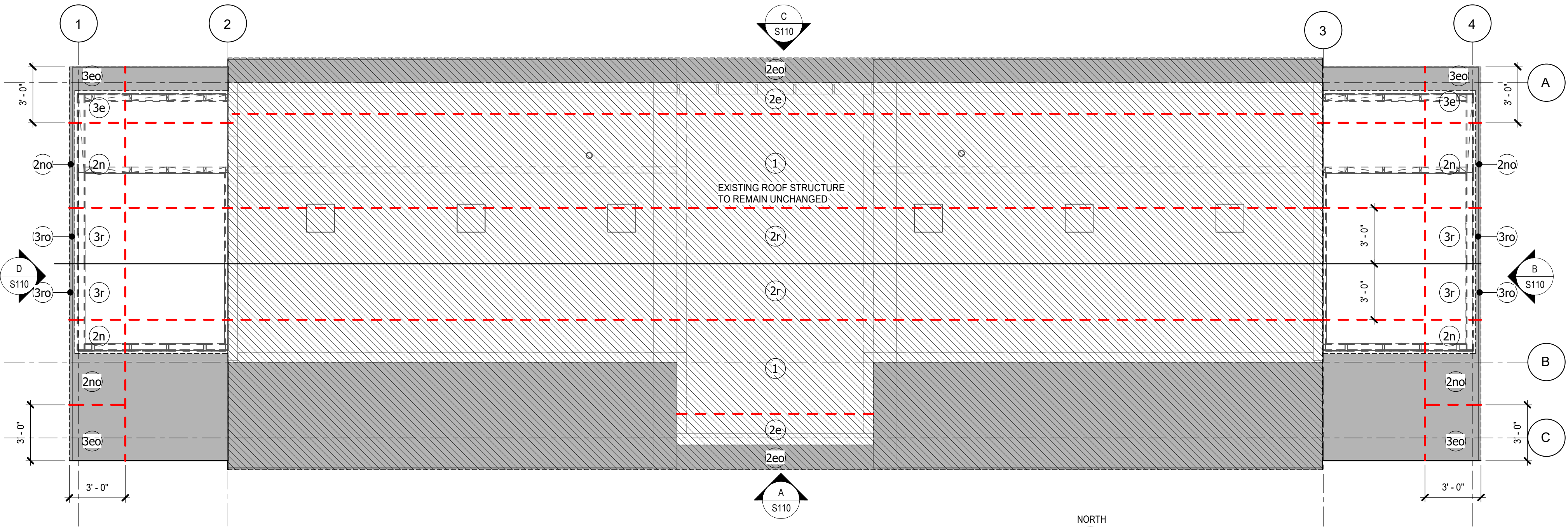
ZONE	WALL WIND PRESSURES (PSF)					
	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
4	-21/+19	-20/+18	-19/+17	-18/+16	-17/+15	-16/+14
5	-25/+19	-24/+18	-21/+17	-20/+16	-18/+15	-16/+14

ZONES	ROOF WIND PRESSURES (PSF)					
	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
1	-35/+12	-35/+11	-21/+10	-11/+10	-11/+10	-11/+10
2e	-35/+12	-35/+11	-21/+10	-11/+10	-11/+10	-11/+10
2n	-50/+12	-44/+11	-35/+10	-28/+10	-21/+10	-19/+10
2r	-50/+12	-44/+11	-35/+10	-28/+10	-21/+10	-19/+10
3e	-50/+12	-44/+11	-35/+10	-28/+10	-21/+10	-19/+10
3r	-60/+12	-51/+11	-40/+10	-32/+10	-32/+10	-32/+10

ZONE	OVERHANG PRESSURES (PSF)					
	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
2eo	-43	-43	-34	-27	-27	-27
2no	-58	-53	-46	-41	-36	-35
3eo	-68	-59	-47	-38	-30	-27
3ro	-77	-66	-51	-39	-39	-39

- WIND PRESSURE NOTES
- Numbers on this sheet are the components and cladding gross unfactored pressures perpendicular to the surface (in P.S.F.) based on tributary area. Multiply service pressures by 1.67 to obtain W pressures for factored loads using strength design (ASCE 7-16 2.3).
 - Pressures are derived from ASCE 7-16.
 - Directionality factor $K_d = .85$
 - Negative pressures act away from surface, positive pressures act toward surface.
 - Parapet pressures are the resultant force from positive wall and negative roof pressures
 - All dimensions shown are measured perpendicular to surface.

- WIND PRESSURE LEGEND
- # Denotes wind pressure zone
 - Denotes wind load separation



ROOF WINDLOAD PLAN
1/4" = 1'-0"

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To the best of the Structural Engineer's knowledge, the Plans and Specifications comply with the applicable minimum building codes.

PROFESSIONAL REGISTRATION

DESIGNER: CSC
DRAWN BY: TLC
REVIEWED BY: CSC
Consultant:

ISSUE DATE: 07/15/2022
COMP. FILE NO.:
STATE PROJECT NO: 61354C / BNI 22T05

No. _____
Revision Description _____
Date _____

PONCE DE LEON SPRINGS STATE PARK

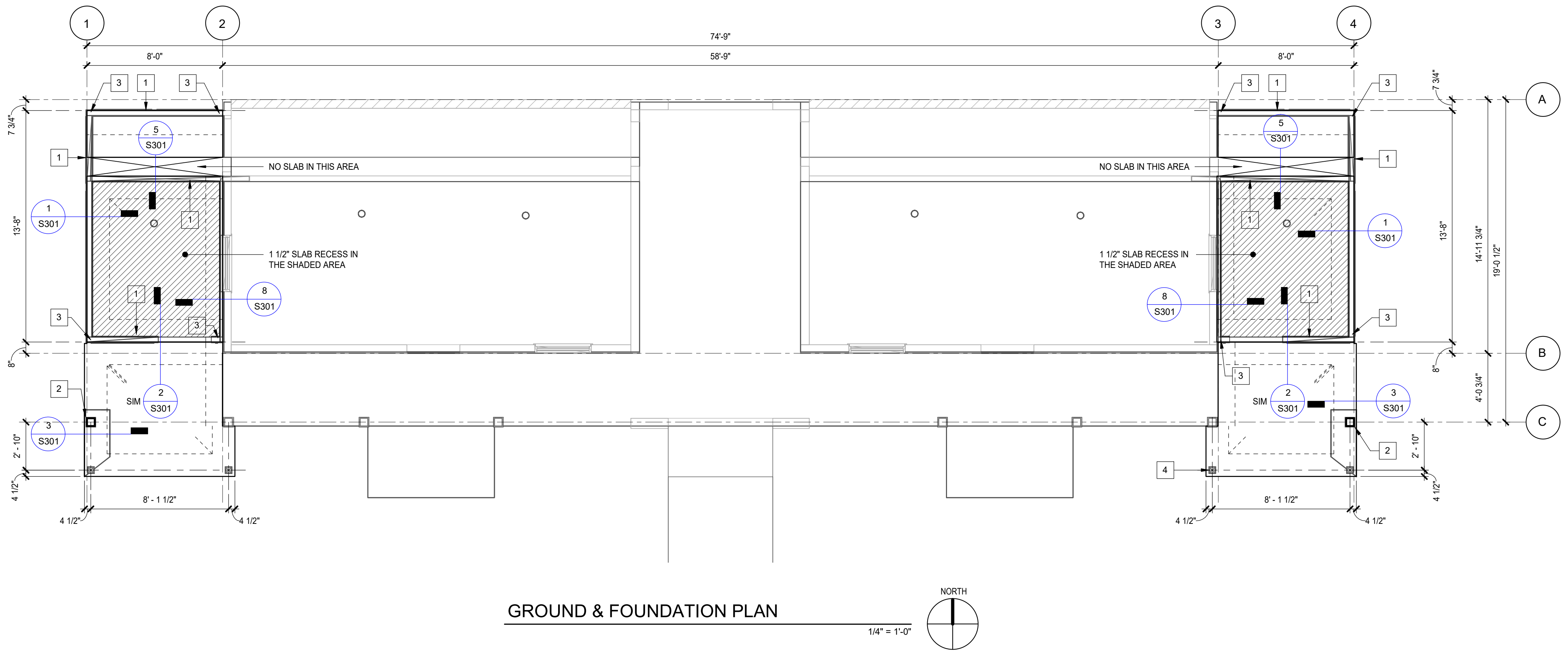
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ROOF & WALL WIND DIAGRAMS

PROJECT TITLE
RESTROOM ADDITIONS

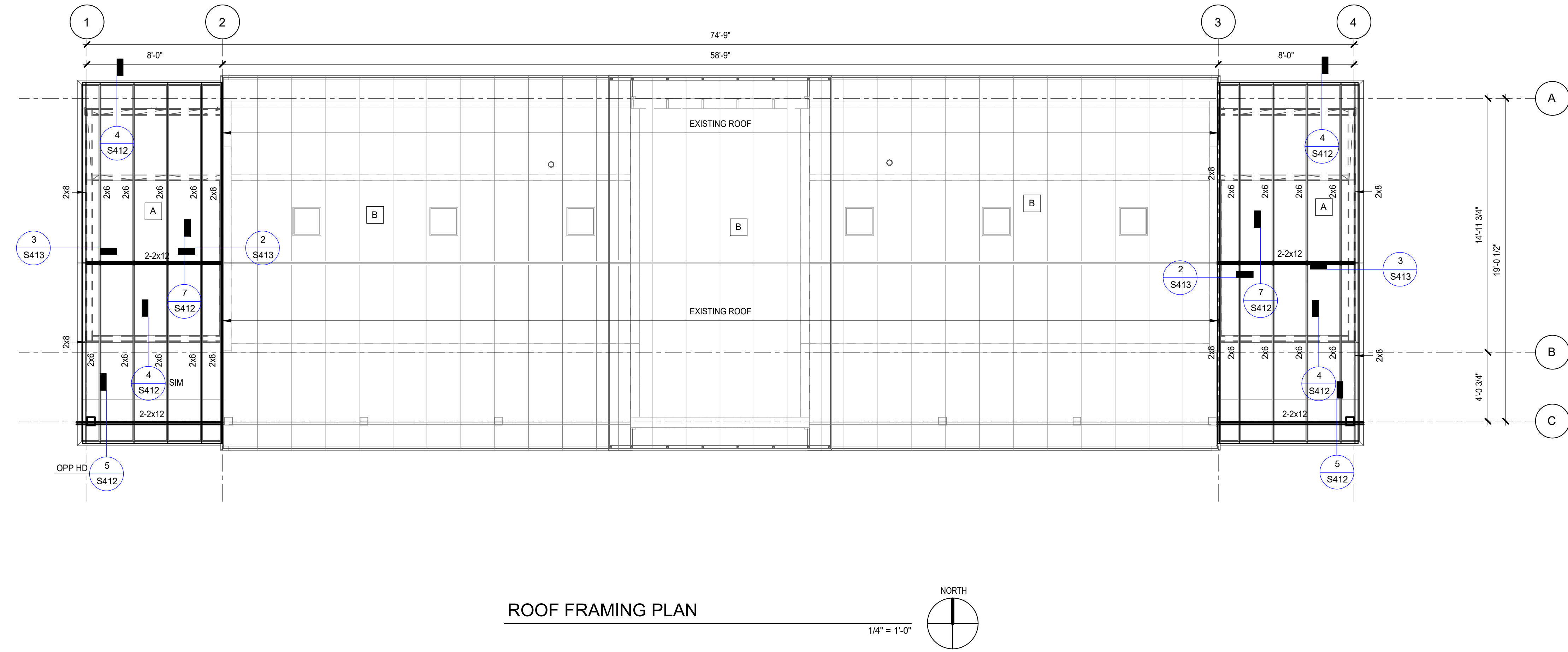
SHEET NO.
S110

DODSTONE ARCHITECTS
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850.665.7326 | #A4830152

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300



- REFERENCE SHEETS**
- | | |
|----------------------------------|------|
| COVER SHEET | S100 |
| STRUCTURAL NOTES | S101 |
| STRUCTURAL NOTES | S102 |
| STRUCTURAL PLAN SPECIFICATIONS | S103 |
| ROOF & WALL WIND DIAGRAMS | S110 |
| FIRST FLOOR & ROOF FRAMING PLAN | S210 |
| FOUNDATION & SLAB ON GRADE DTLS | S301 |
| WOOD TYPICAL DETAILS & SCHEDULES | S411 |
| WOOD TYPICAL DETAILS & SCHEDULES | S412 |
| WOOD TYPICAL DETAILS & SCHEDULES | S413 |
- PLAN NOTES:**
- 1 NEW 2x4 STUD WALLS WITH STUDS @16" O.C.
 - 2 NEW KILN-DRIED PRESSURE TREATED 6x6 POST SEE 3 / S301
 - 3 HOLD DOWN ANCHORS AT WALL ENDS AND CORNERS SEE 5 / S411
 - 4 NEW 4x4 KILN-DRIED PRESSURE TREATED POST, SEE ARCH.



- ROOF PLAN NOTES:**
- A ROOFING (SEE ARCH.) OVER 5/8" STRUCTURAL 1 PLYWOOD ROOF SHEATHING OVER 2x6 COMMON FRAME RAFTERS @24" MAX. SEE STRUCTURAL NOTES FOR FASTENING REQUIREMENTS
 - B EXISTING ROOF TO BE MODIFIED PER ARCHITECT.

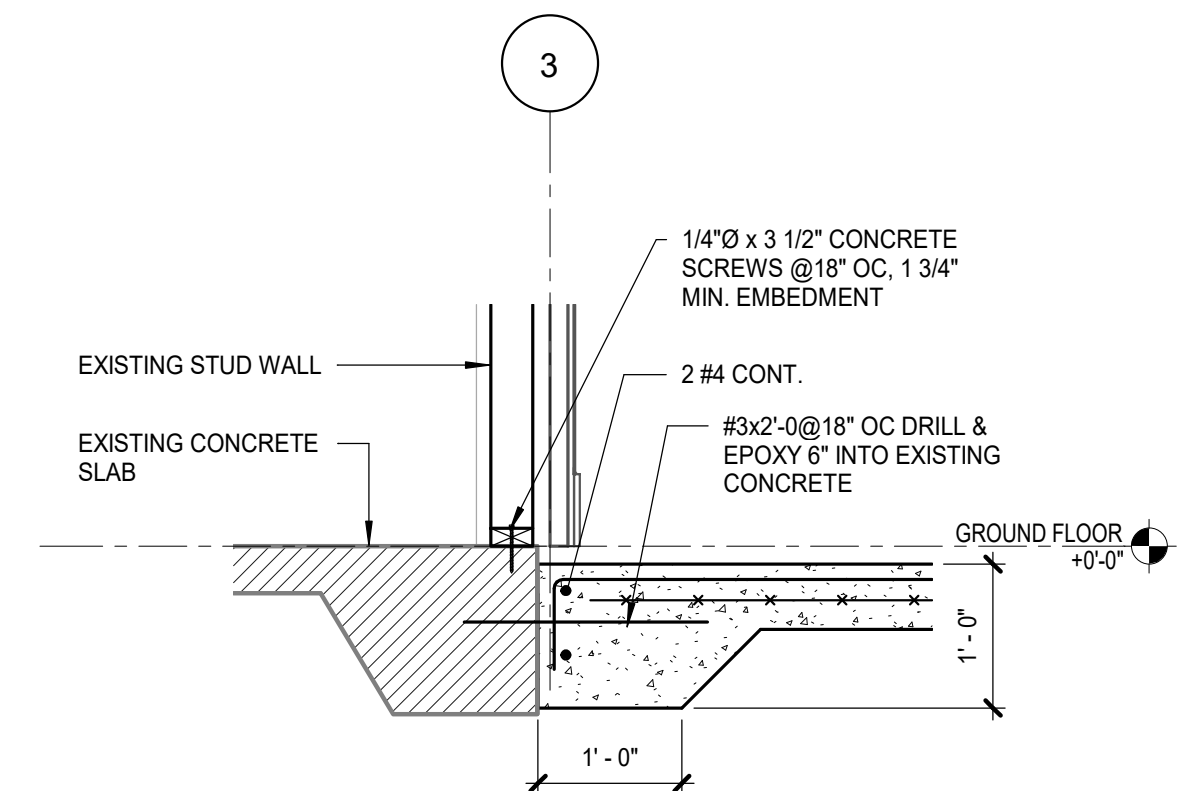
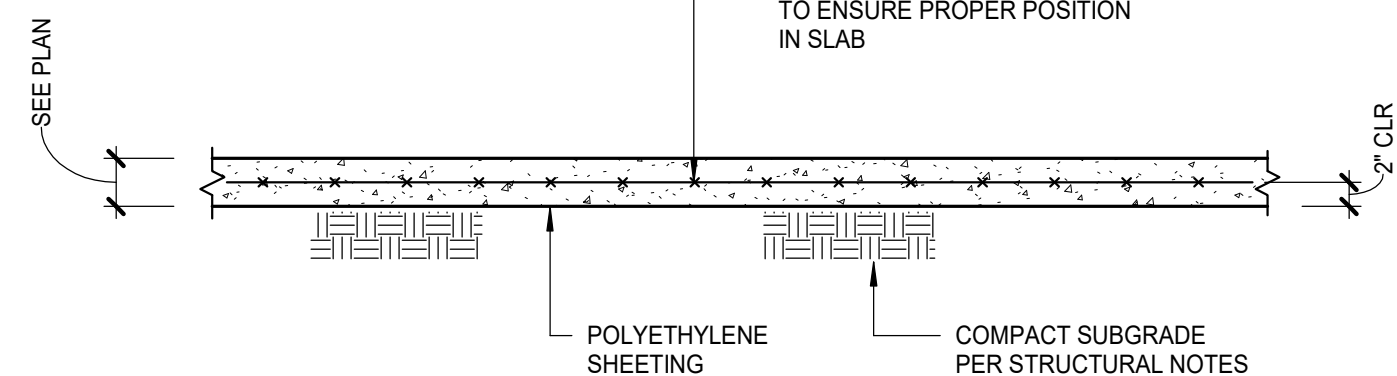
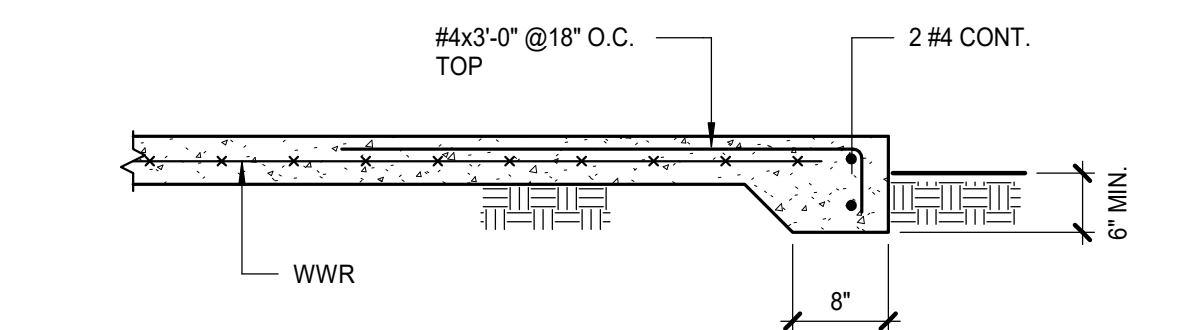
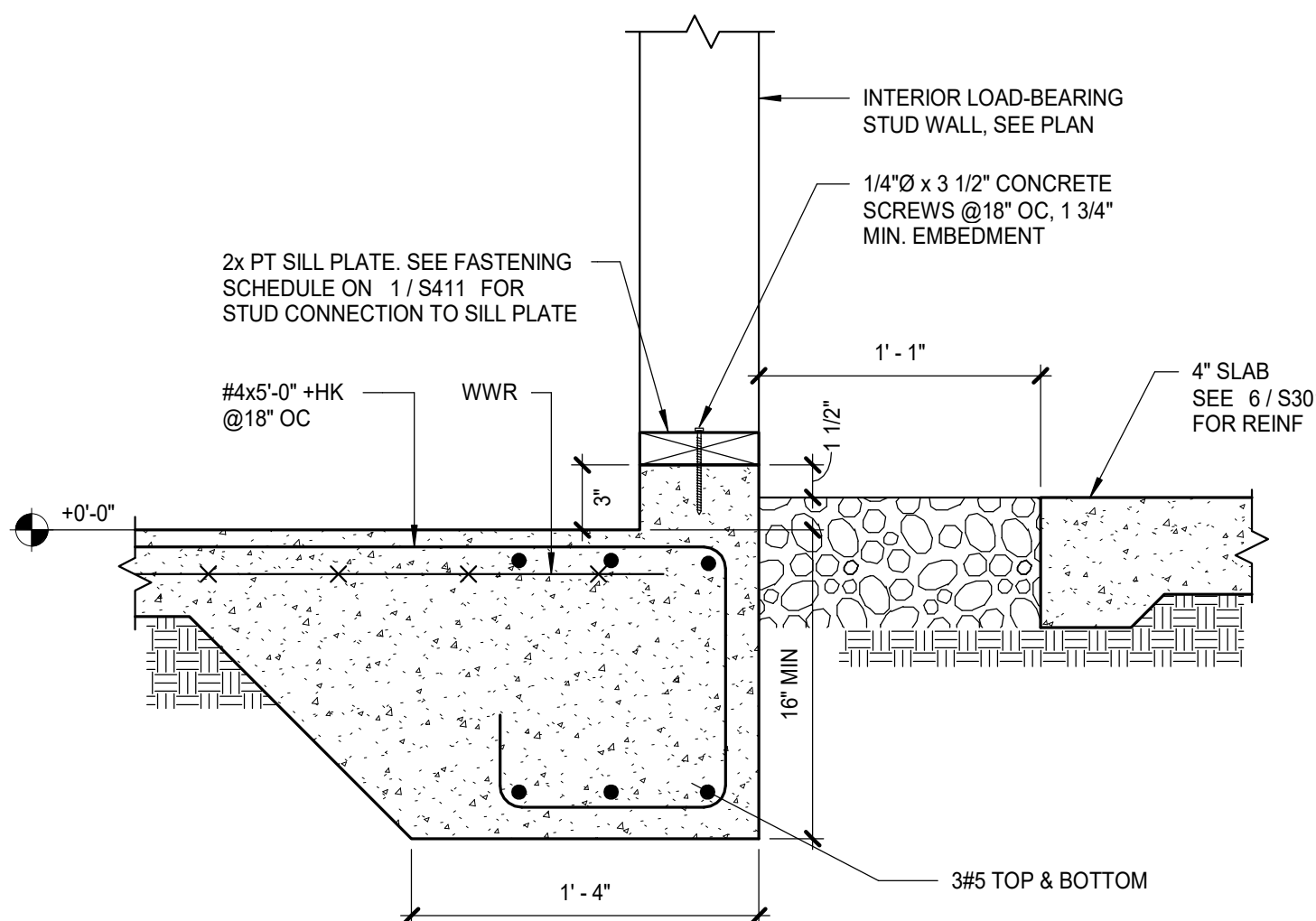
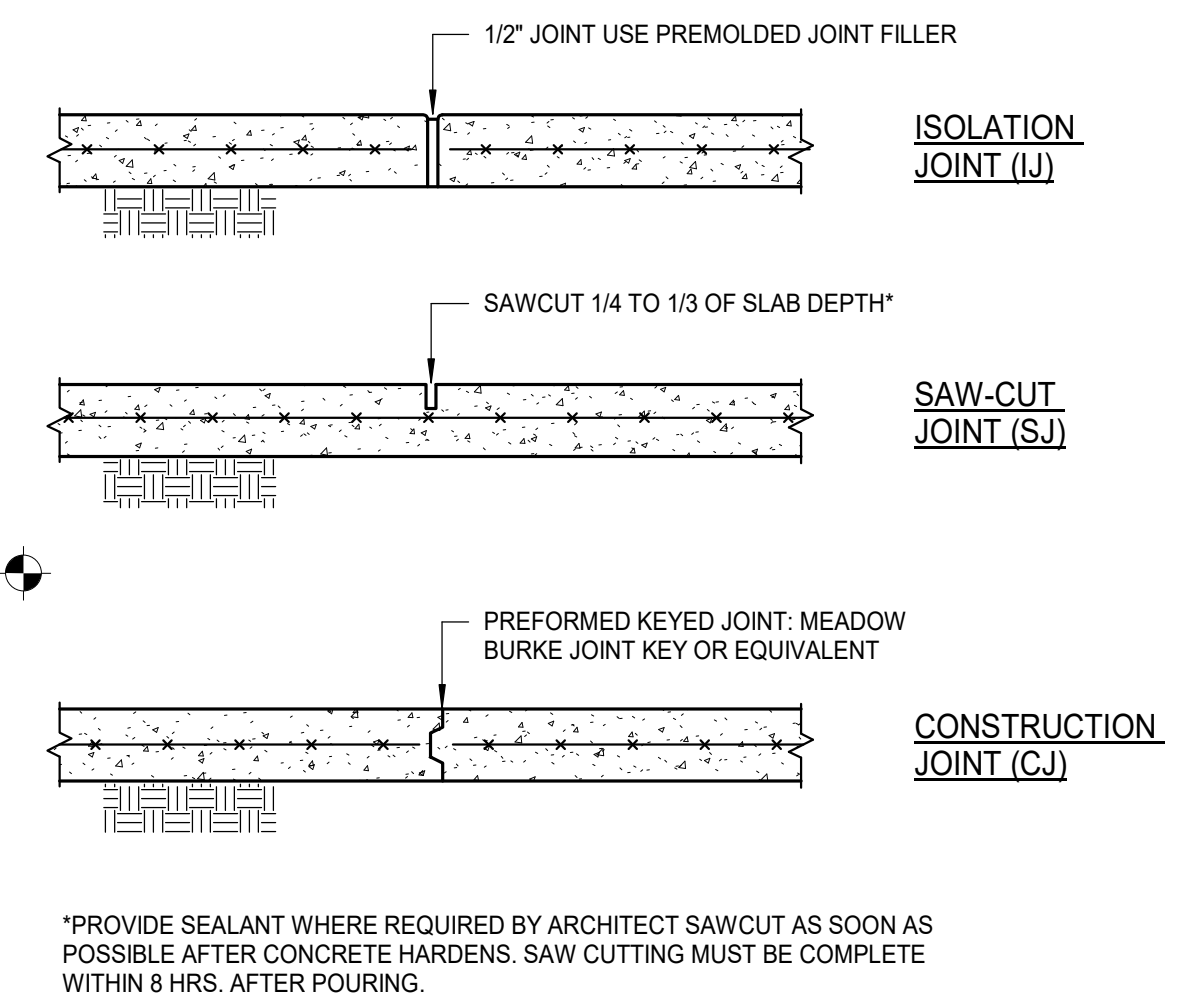
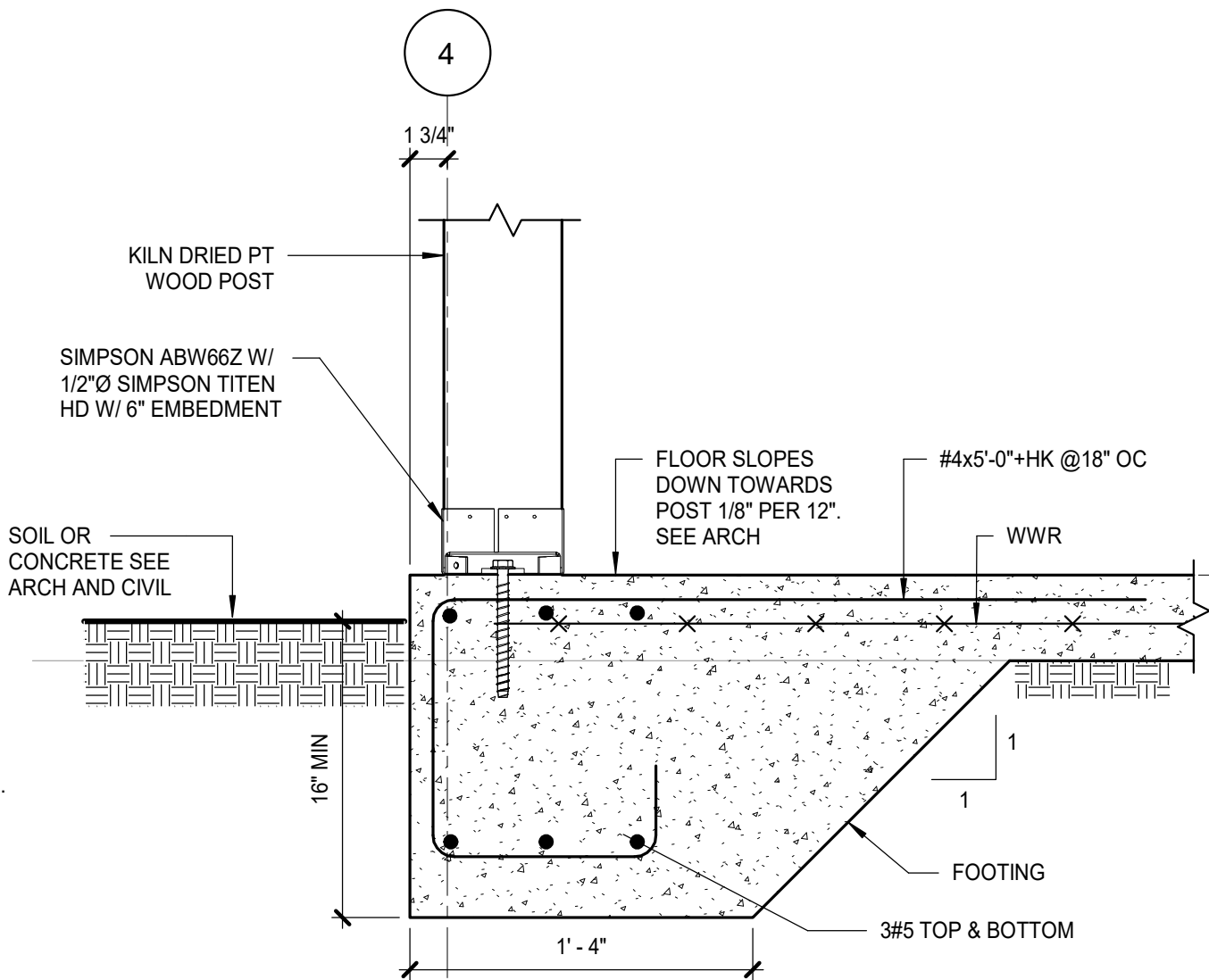
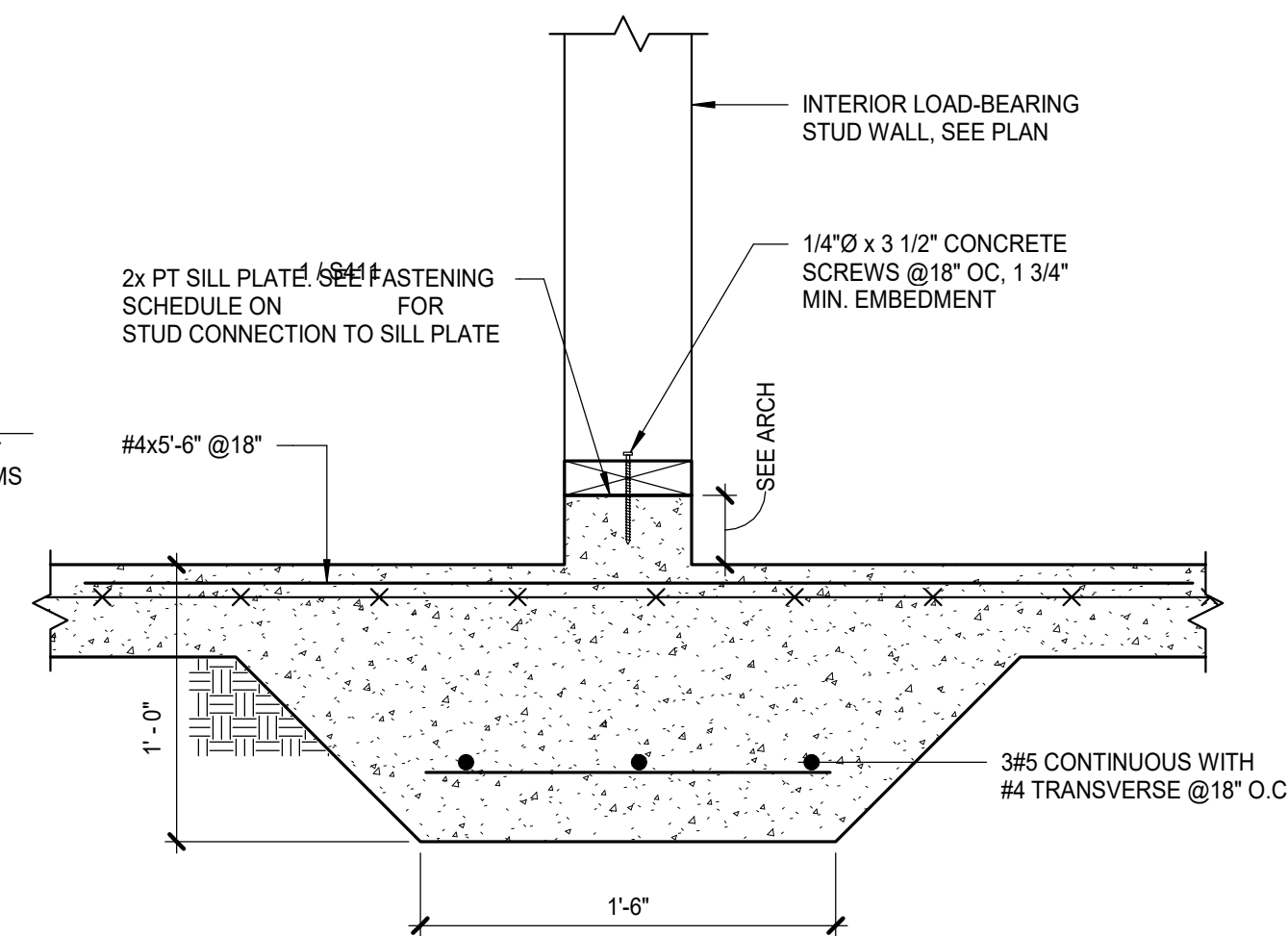
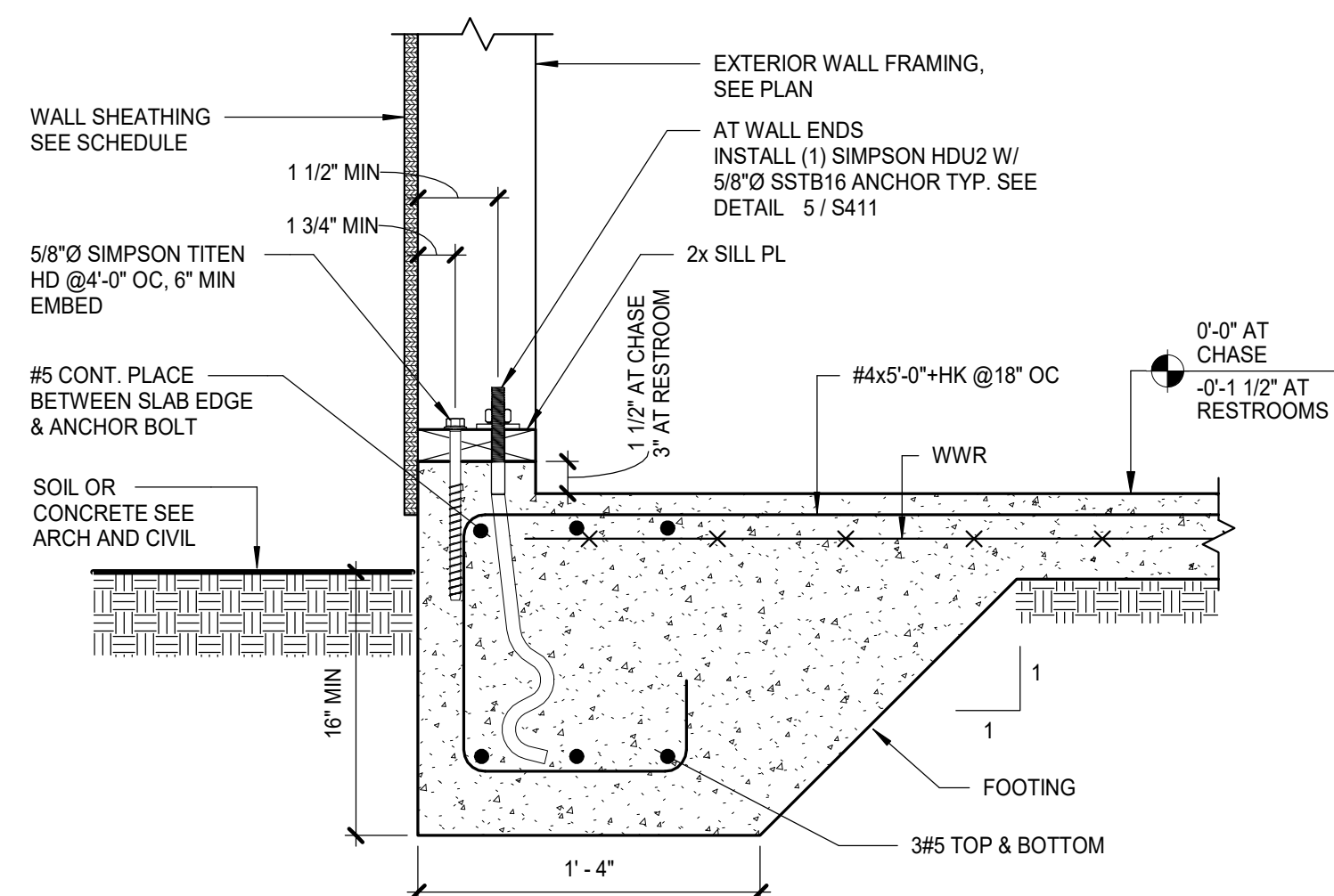
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To the best of the Structural Engineer's knowledge, the Plans and Specifications comply with the applicable minimum building codes.

DESIGNER:	CSC	ISSUE DATE:	07/15/2022	No.	Revision Description	Date
DRAWN BY:	TLC	COMP. FILE No:	STATE PROJECT No. 61354C / BNI 22T05			
REVIEWED BY:	CSC					
Consultant:						
PROFESSIONAL REGISTRATION	CHRISTOPHER S. CHILDERS P.E. No. 31248					
SHEET TITLE	PONCE DE LEON SPRINGS STATE PARK					
PROJECT TITLE	FIRST FLOOR & ROOF FRAMING PLAN					
PROJECT TITLE	RESTROOM ADDITIONS					
SHEET NO.	S210					

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

DODSTONE
ARCHITECTS
3011 E Powell Road | Tallahassee, FL 32308
(850) 866-7326 | #A4830162

CONSTRUCTION DOCUMENTS



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 227 N Bronough St., Suite 7300
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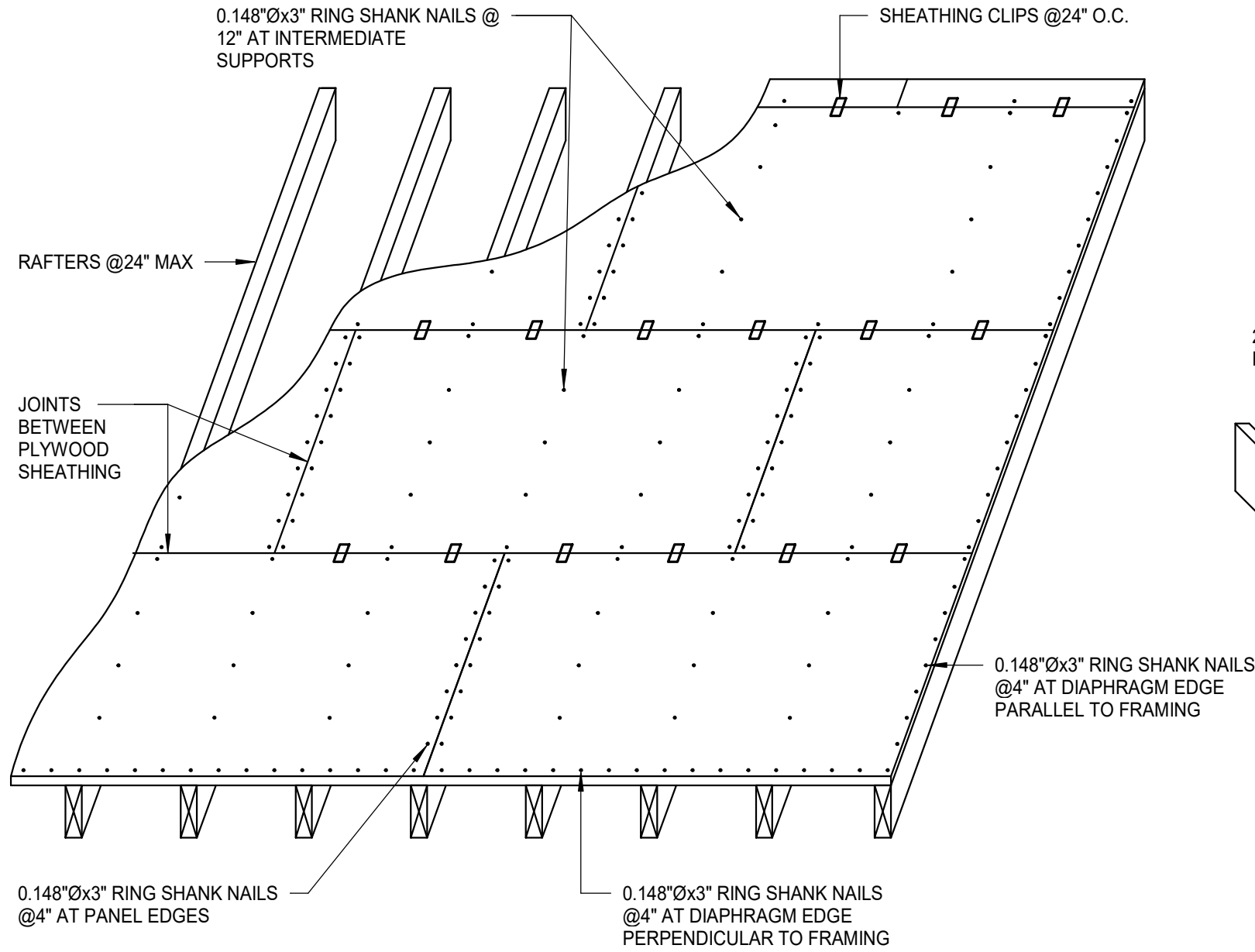
SHEET NO.	PONCE DE LEON SPRINGS STATE PARK		PROFESSIONAL REGISTRATION		DESIGNER: CSC		ISSUE DATE: 07/15/2022	No.	Revision Description	Date
	FOUNDATION & SLAB ON GRADE DTLs		CHRISTOPHER S. CHILDERS P.E. No. 31248		DRAWN BY: TLC		COMP. FILE No:			
	RESTROOM ADDITIONS				REVIEWED BY: CSC		STATE PROJECT No. 61354C / BNI 22T05			
					Consultant:		DODSTONE ARCHITECTS 3011-1 Powell Road Tallahassee, FL 32308 850.656.7326 #AA36001632 Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300			

CONSTRUCTION DOCUMENTS

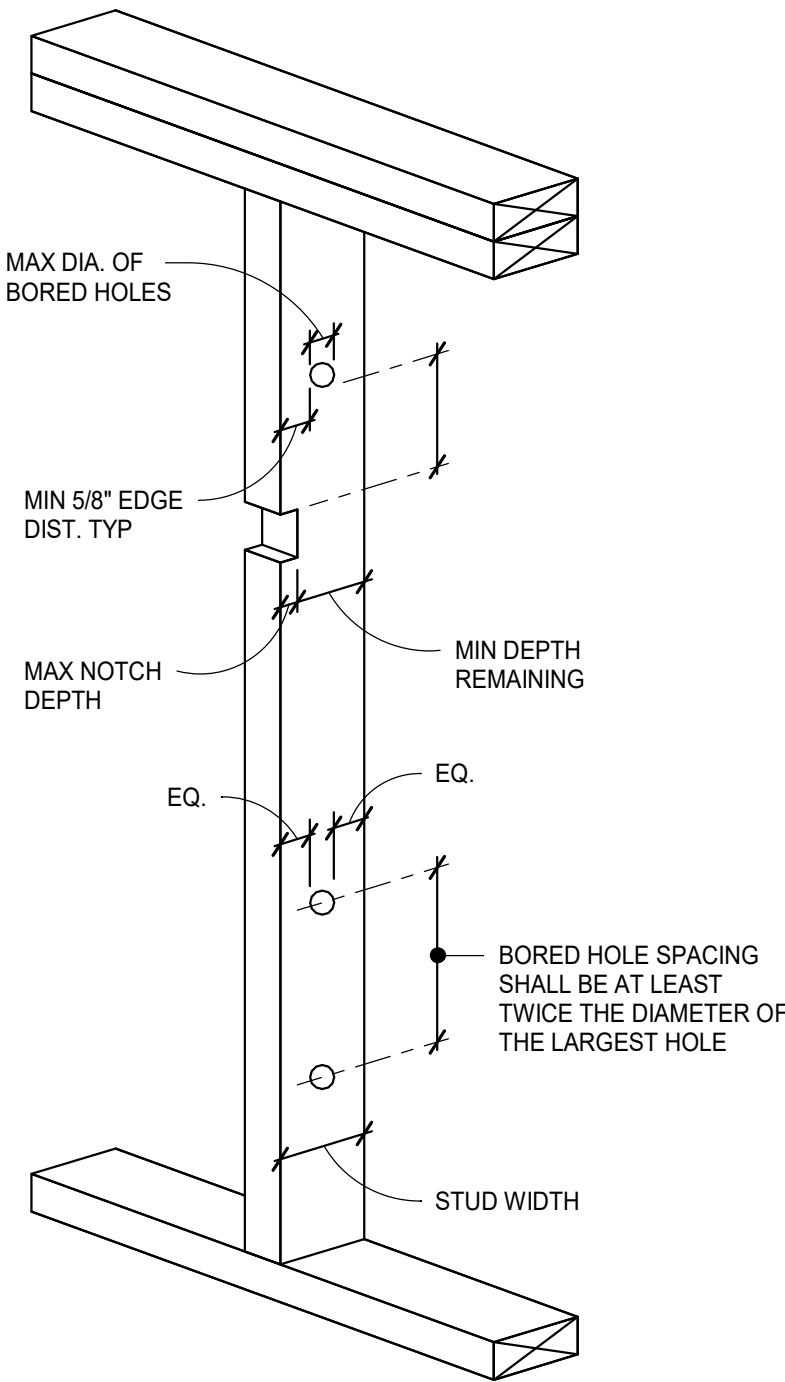
FASTENING SCHEDULE				
PER 2017 FBC TABLE 2304.10.1 TO BE USED UNLESS NOTED OTHERWISE ON PLANS AND/OR DETAILS				
DESCRIPTION OF BUILDING ELEMENTS		NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
Roof				
1	Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" × 0.131")	Each end, toenail	
	Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2 1/2" × 0.131") 2-16d common (3 1/2" × 0.162")	Each end, toenail End nail	
	Flat blocking to truss and web filler	16d common (3 1/2" × 0.162") @ 6" OC	Face nail	
	2	Ceiling joists to top plate	3-8d common (2 1/2" × 0.131")	Each joist, toenail
3	Ceiling joist not attached to parallel rafter,laps over partitions (no thrust) (see Section 2308.7.3.1, Table 2308.7.3.1)	3-16d common (3 1/2" × 0.162")	Face nail	
4	Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)	Per Table 2308.7.3.1	Face nail	
5	Collar tie to rafter	3-10d common (3" × 0.148")	Face nail	
6	Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	3-10 common (3" × 0.148")	Toenail	
7	Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3 1/2" × 0.162")	End nail	
		3-10d common (3 1/2" × 0.148")	Toenail	
Wall				
8	Stud to stud (not at braced wall panels)	16d common (3 1/2" × 0.162")	24" OC face nail	
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3 1/2" × 0.162")	16" OC face nail	
10	Built-up header (2" to 2" header)	16d common (3 1/2" × 0.162")	16" OC each edge, face nail	
11	Continuous header to stud	4-8d common (2 1/2" × 0.131")	Toenail	
12	Top plate to top plate	16d common (3 1/2" × 0.162")	16" OC face nail	
13	Top plate to top plate, at end joints	8-16d common (3 1/2" × 0.162")	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)	
14	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" × 0.162")	16" OC face nail	
15	Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3 1/2" × 0.162")	16" OC face nail	
16	Stud to top or bottom plate	4-8d common (2 1/2" × 0.131"); or 2-16d common (3 1/2" × 0.162")	Toenail End nail	
		2-16d common (3 1/2" × 0.162")	End nail	
17	Top or bottom plate to stud	2-16d common (3 1/2" × 0.162")	Face nail	
18	Top plates, laps at corners and intersections	2-16d common (3 1/2" × 0.162")	Face nail	
19	1" brace to each stud and plate	2-8d common (2 1/2" × 0.131")	Face nail	
20	1" × 6" sheathing to each bearing	2-8d common (2 1/2" × 0.131")	Face nail	
21	1" × 8" and wider sheathing to each bearing	3-8d common (2 1/2" × 0.131")	Face nail	
Floor				
22	Joist to sill, top plate, or girder	3-8d common (2 1/2" × 0.131")	Toenail	
23	Rim joist, band joist, or blocking to top plate, sill or other framing below	8d common (2 1/2" × 0.131")	6" OC, toenail	
24	1" × 6" subfloor or less to each joist	2-8d common (2 1/2" × 0.131")	Face nail	
25	2" subfloor to joist or girder	2-16d common (3 1/2" × 0.162")	Face nail	
26	2" planks (plank & beam – floor & roof)	2-16d common (3 1/2" × 0.162")	Each bearing, face nail	
27	Built-up girders and beams, 2" lumber layers	20d common (4" × 0.192")	32" OC, face nail at top and bottom, staggered on opposite sides	
28	Ledger strip supporting joists or rafters	3-16d common (3 1/2" × 0.162")	Each joist or rafter, face nail	
29	Joist to band joist or rim joist	3-16d common (3 1/2" × 0.162")	End nail	
30	Bridging or blocking to joist, rafter or truss	2-8d common (2 1/2" × 0.131")	Each end, toenail	
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing ^(a)				
			Edges (inches)	Intermediate supports (inches)
31	3/8" – 1/2"	6d common or deformed (2" × 0.113") (subfloor and wall)	6	12
		8d box or deformed (2 1/2" × 0.113") (roof)	6	12
		2 3/8" × 0.113" nail (subfloor and wall)	6	12
		1 3/4" 16 gage staple, 7/16" crown (subfloor and wall)	4	8
		2 3/8" × 0.113" nail (roof)	4	8
		13/4" 16 gage staple, 7/16" crown (roof)	3	6
32	19/32" – 3/4"	8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113")	6	12
		2 3/8" × 0.113" nail; or 2" 16 gage staple, 7/16" crown	4	8
33	7/8" – 11/4"	10d common (3" × 0.148"); or 8d deformed (21/2" × 0.131")	6	12
Other exterior wall sheathing				
34	1/2" fiberboard sheathing ^(b)	1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3	6
35	25/32" fiberboard sheathing ^(b)	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6
Wood structural panels, combination subfloor underlayment to framing				
36	3/4" and less	8d common (2 1/2" × 0.131")	6	12
37	7/8" – 1"	8d common (2 1/2" × 0.131")	6	12
38	11/8" – 1 1/4"	10d common (3" × 0.148")	6	12
Panel siding to framing				
39	1/2" or less	6d corrosion-resistant siding (1 7/8" × 0.106")	6	12
40	5/8"	8d corrosion-resistant siding (2 3/8" × 0.128")	6	12
Interior paneling				
41	1/4"	4d casing (1 1/2" × 0.080")	6	12
42	3/8"	6d casing (2" × 0.099")	6	12

1 FASTENING SCHEDULE

12" = 1'-0"



2 TYPICAL ROOF SHEATHING NAIL PATTERN UNBLOCKED DIAPHRAGM 3/8" = 1'-0"



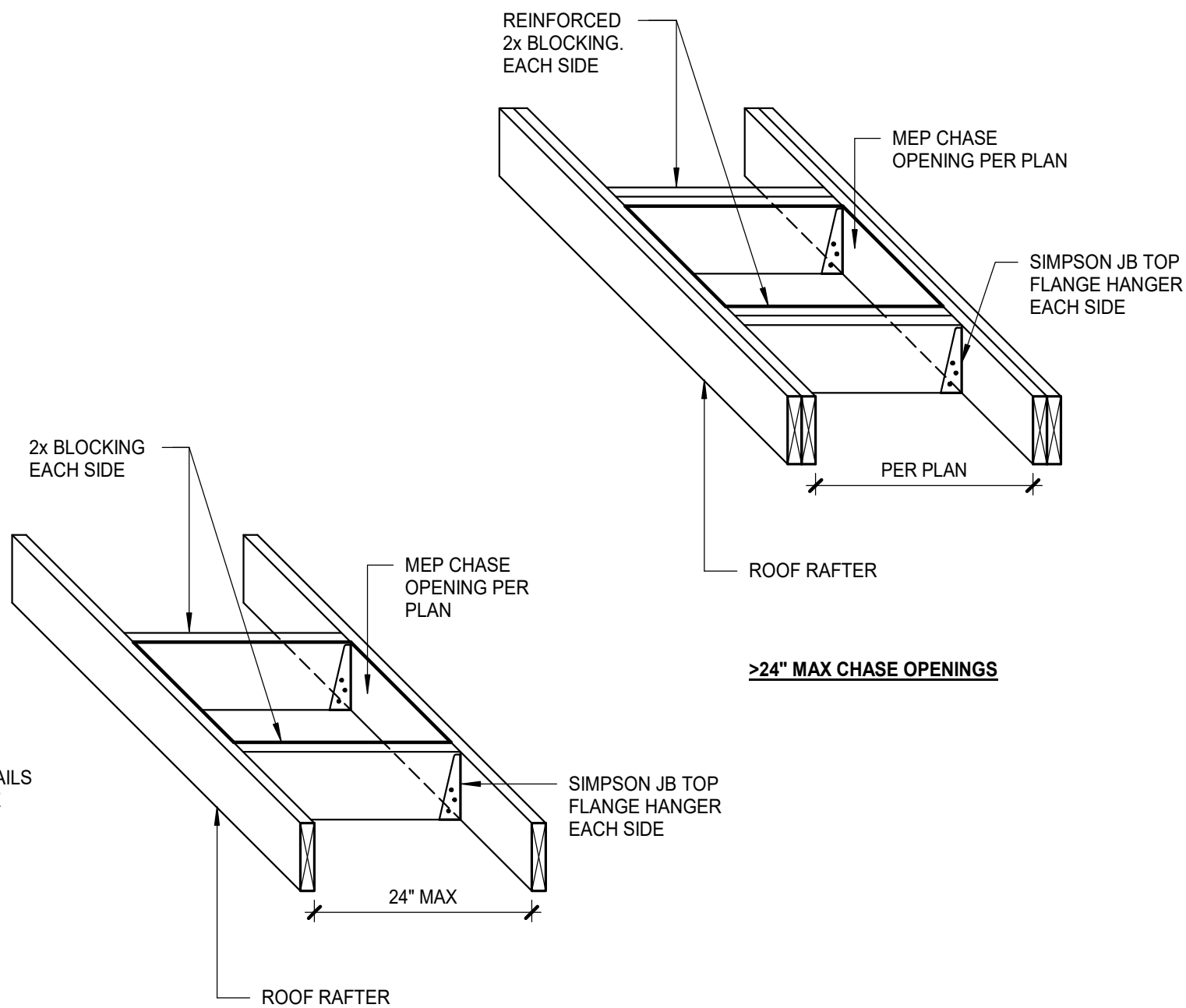
NOTE: NOTCHES OR BORED HOLES NOT PERMITTED IN MORE THAN THREE ADJACENT STUDS WITHOUT REVIEW AND APPROVAL BY ENGINEER

4 TYPICAL HOLES & NOTCHES IN WOOD STUDS 1 1/2" = 1'-0"

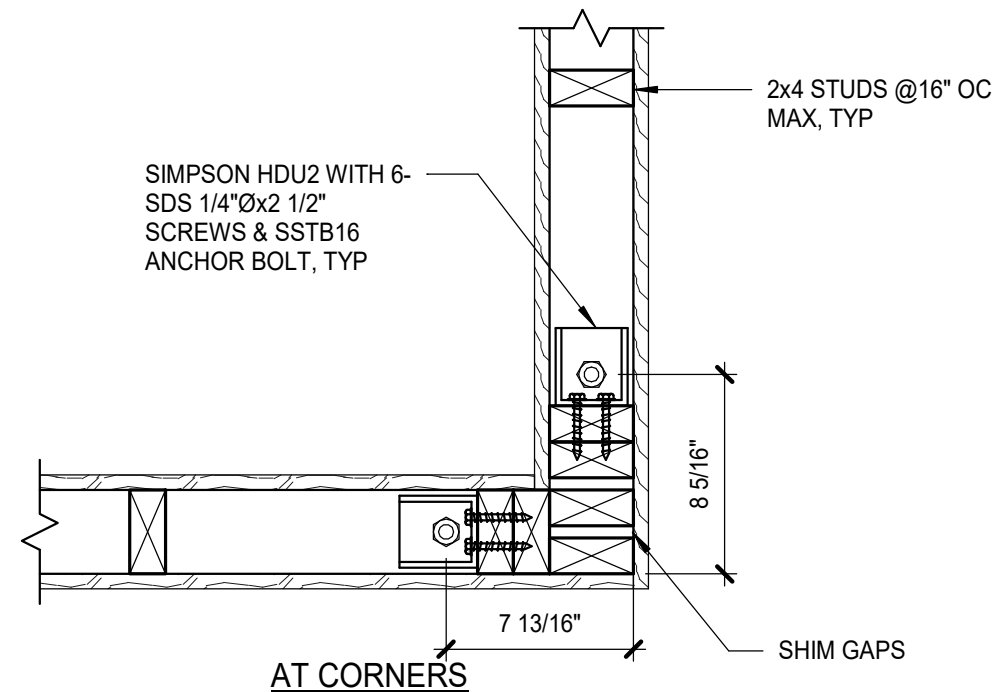
Fastening Schedule Notes

- Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particle board diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.
- Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).
- Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.

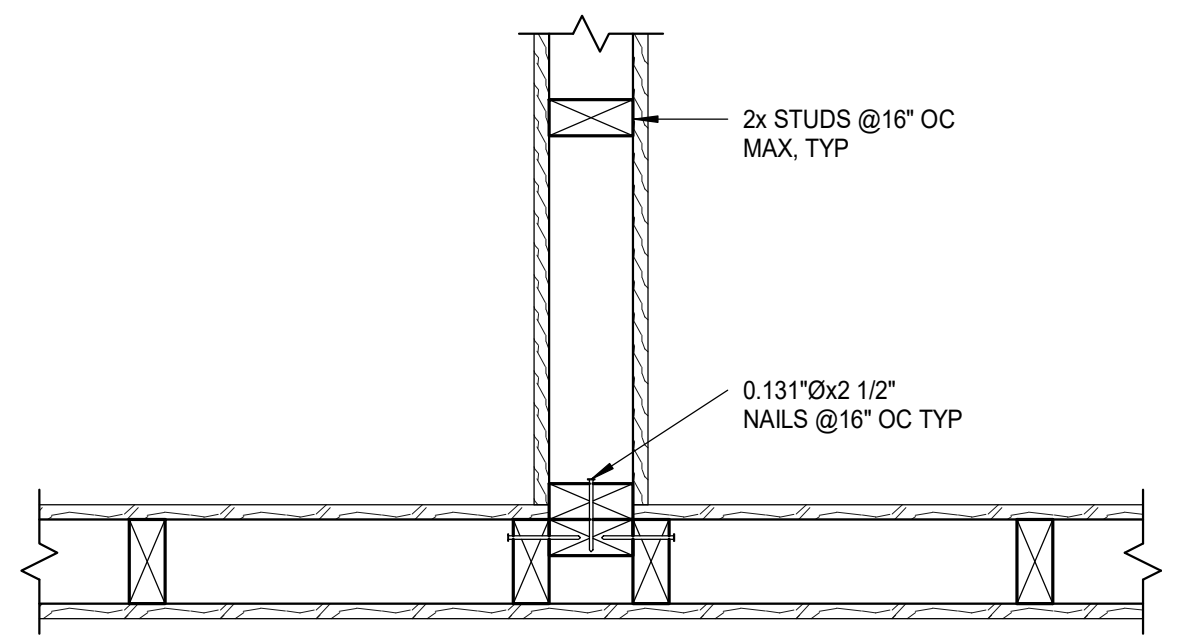
METAL CONNECTOR FASTENER SCHEDULE			
ANCHOR #	SIMPSON CONNECTOR	FASTENERS	
		TO RAFTER OR BEAM OR POIST	TO SUPPORT
1	A35	(6) 0.131 x 1 1/2"	(6) 0.131 x 1 1/2"
2	ABW66Z	(12) 0.162 X 3 1/2"	1/2" x 6 1/2" TITEN HD
3	H2.5A	(5) 0.131 x 2 1/2"	(5) 0.131 x 2 1/2"
4	H8	(5) 0.148 x 1 1/2"	(5) 0.148 x 1 1/2"
5	HUCQ412-SDS	(6) 1/4" x 2 1/2" SDS	(14) 1/4" x 2 1/2" SDS
6	LRU26Z	(5) 0.148 x 3"	(4) 0.148 x 3"
7	HDU2	(6) 1/4" x 2 1/2" SDS SCREWS	(1) SSTB16



3 FRAMING AROUND FLOOR MECHANICAL CHASE OPENINGS 3/4" = 1'-0"



AT CORNERS



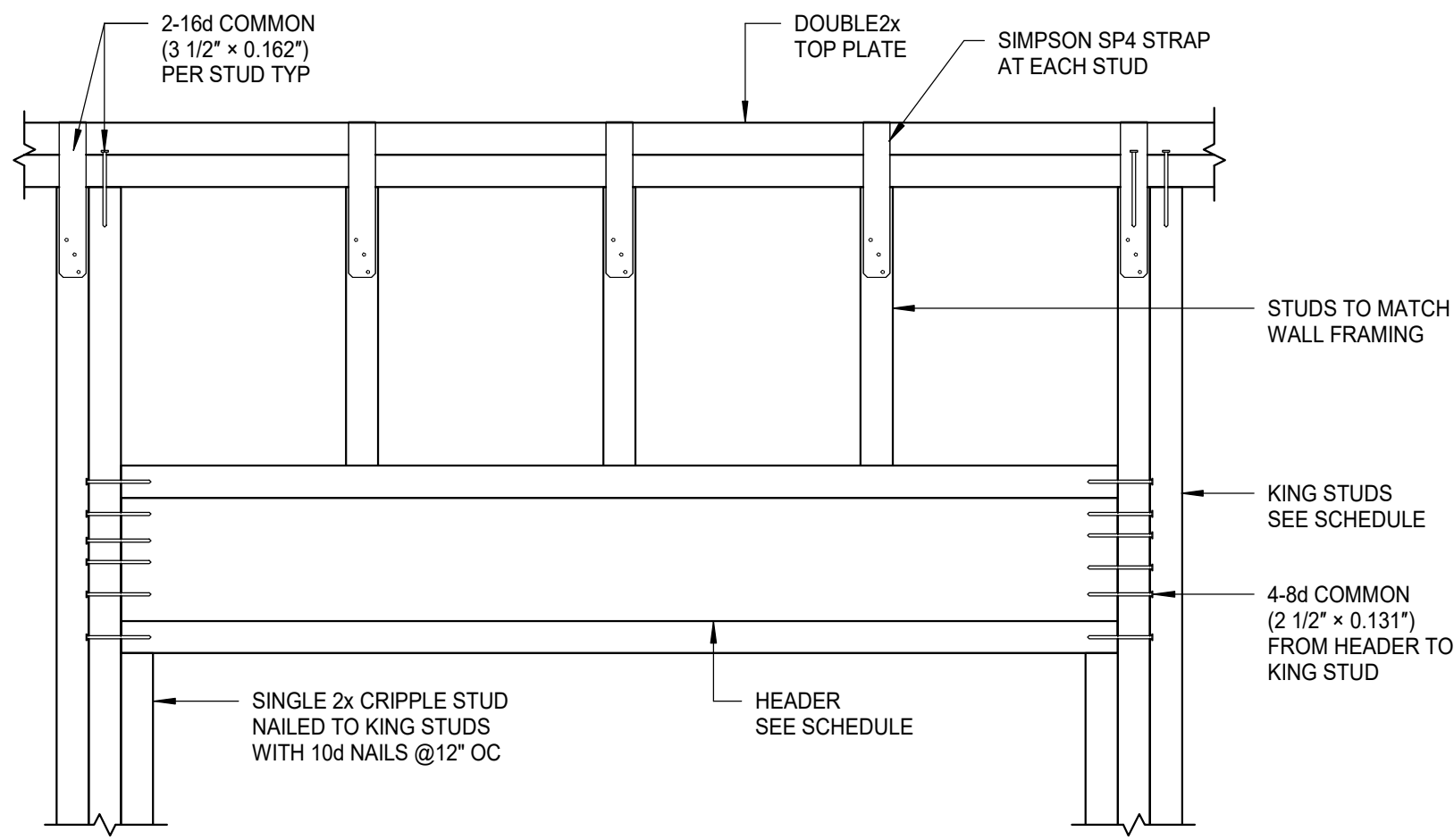
AT INTERSECTIONS

5 TYPICAL LOAD-BEARING WALL FRAMING AT EXTERIOR WALLS 1 1/2" = 1'-0"



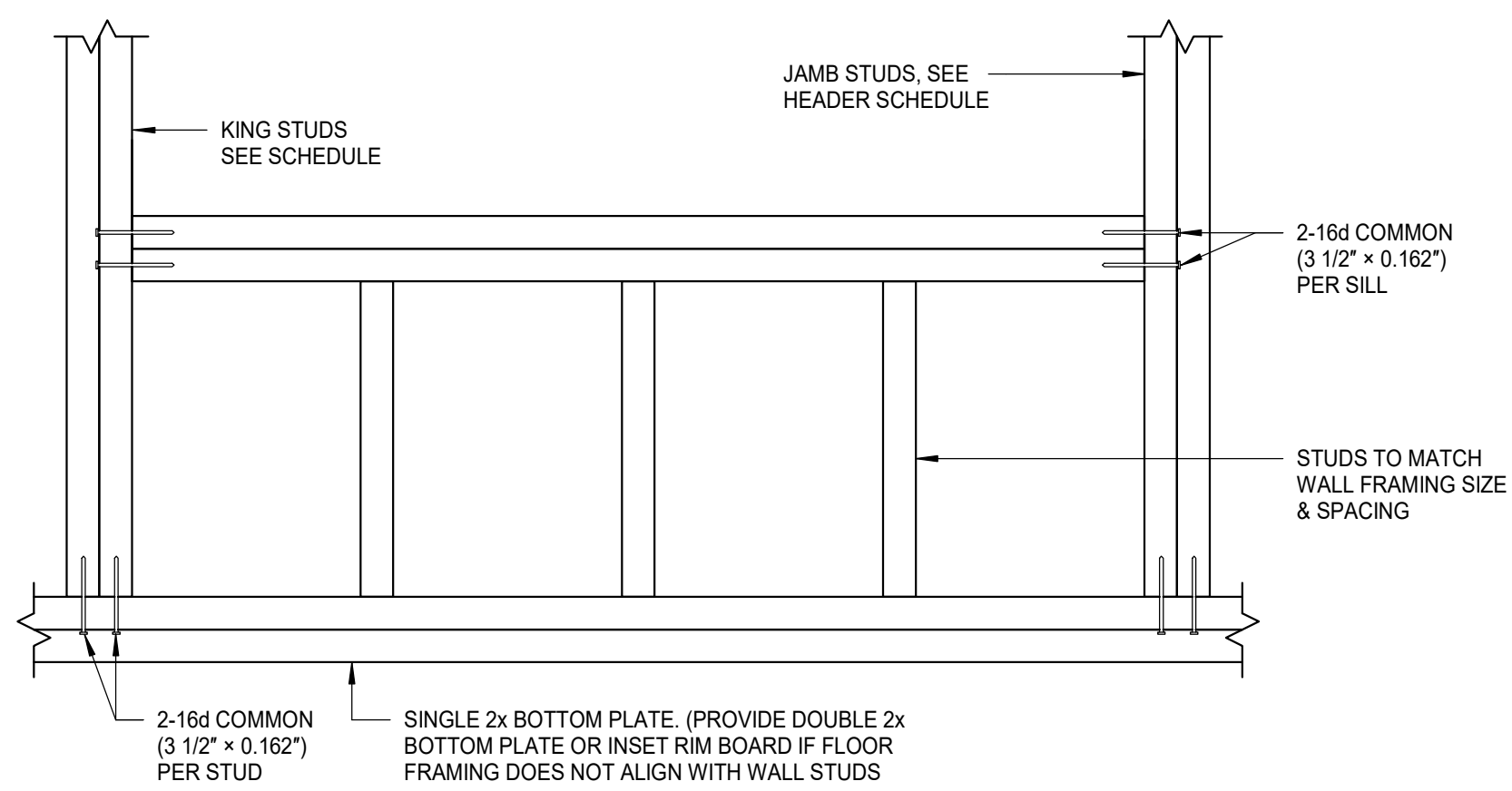
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Revision Description		No.	Date	Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300						



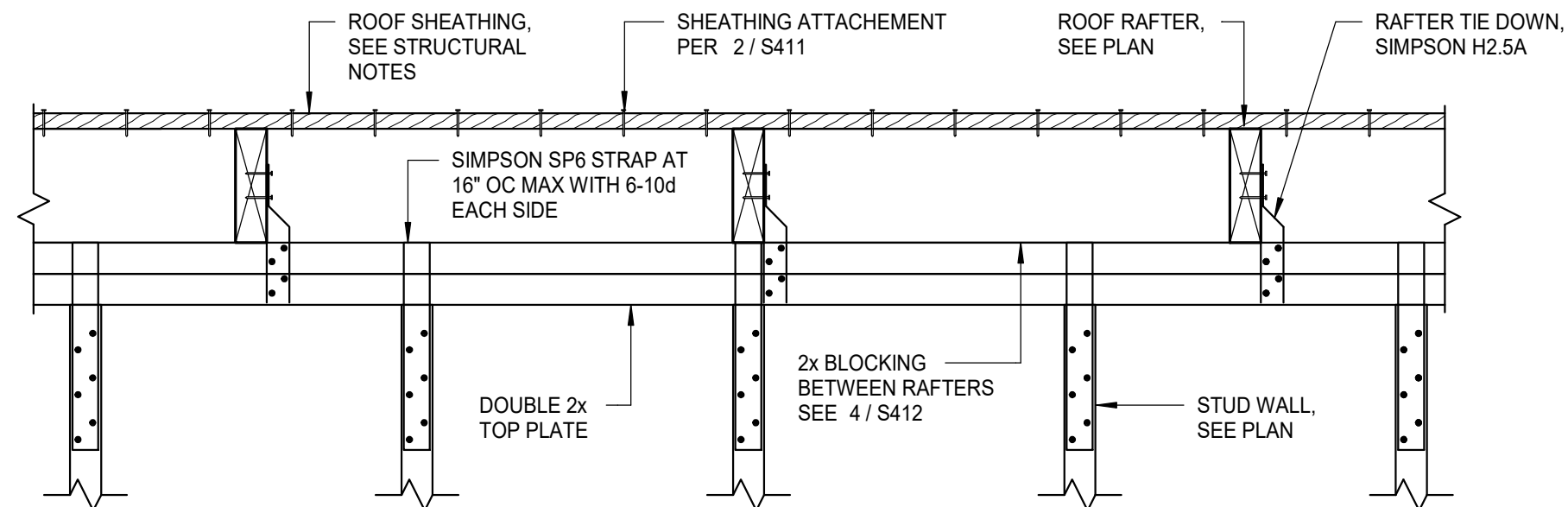
HEADER SCHEDULE			
HEADER	SIZE	KING STUDS	DROP HEADER
HE-1	2 - 2x8	2 - 2x4	L < 4'-0"
HE-2	2 - 2x10	4 - 2x4	4'-0" < L < 6'-6"

1 TYPICAL HEADER DETAIL
FOR EXTERIOR LOAD-BEARING WALLS 1 1/2" = 1'-0"

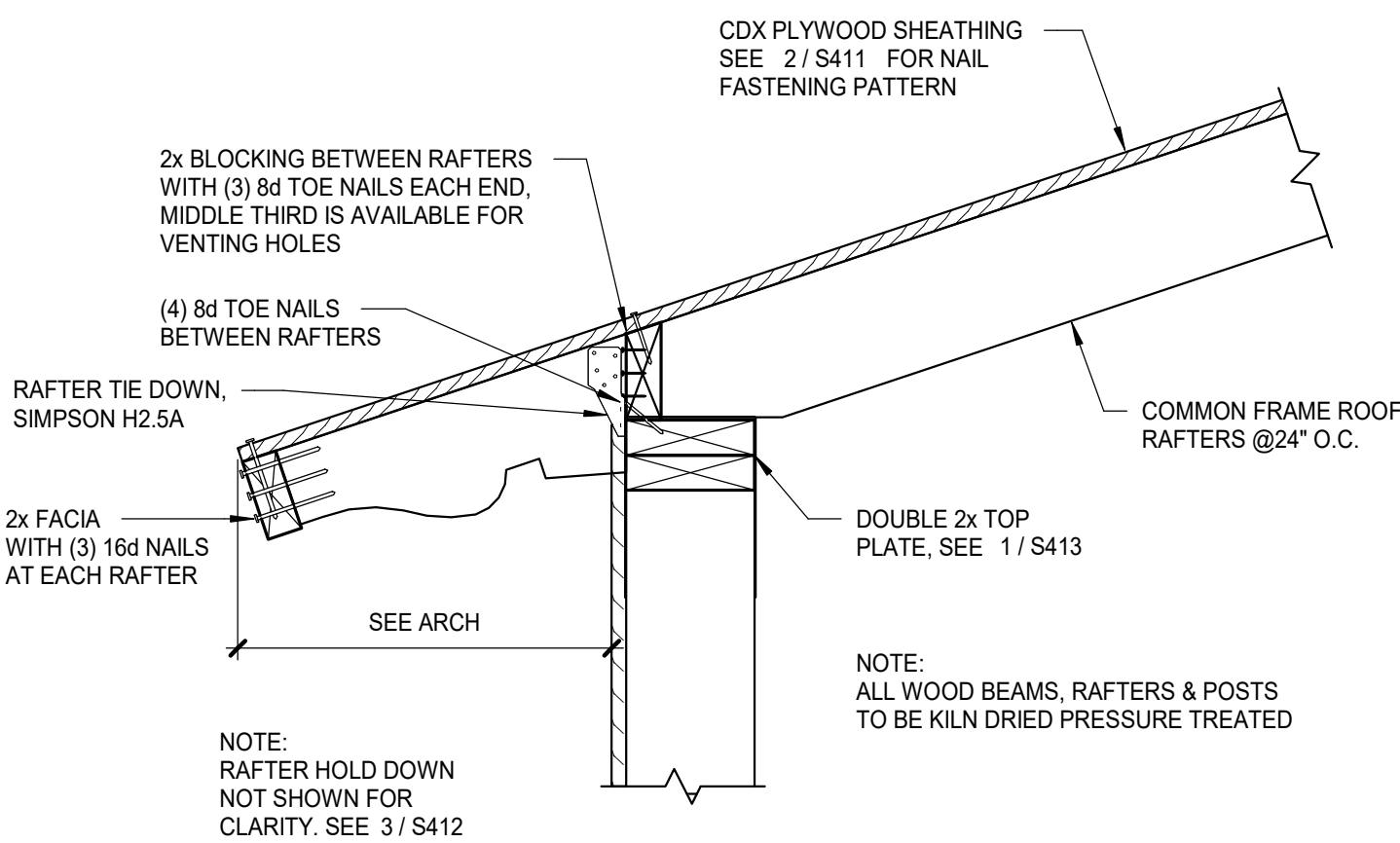


SILL SCHEDULE - 2x4 STUDS		
WALL LOCATION	NUMBER OF 2x4's	MAX OPENING WIDTH
INTERIOR	1	L < 8'-0"
EXTERIOR	1	L < 4'-0"
EXTERIOR	2	4'-0" < L < 6'-0"

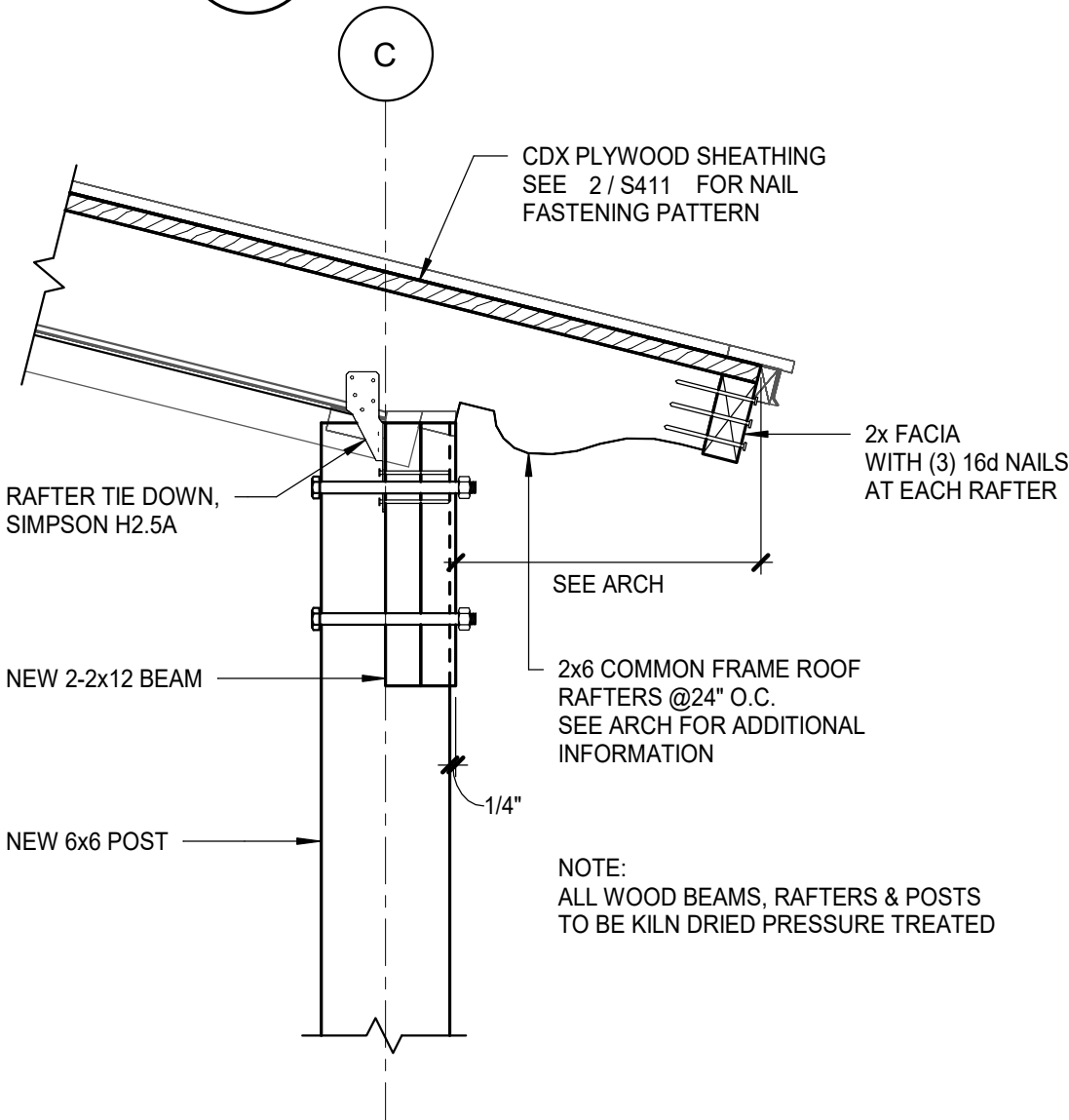
2 TYPICAL SILL DETAIL 1 1/2" = 1'-0"



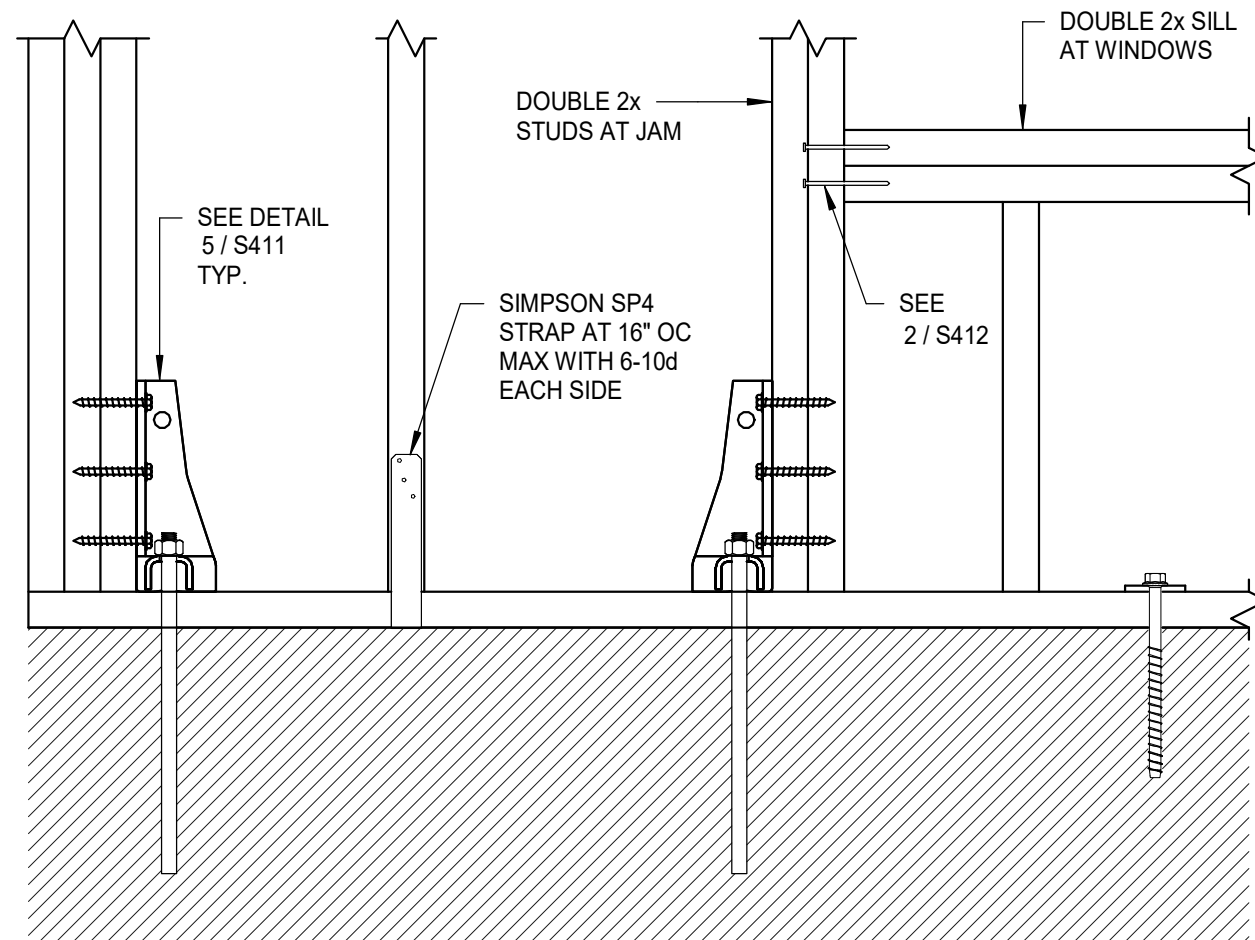
3 TYPICAL BLOCKING AT EXTERIOR STUD
WALL AT ROOF 1 1/2" = 1'-0"



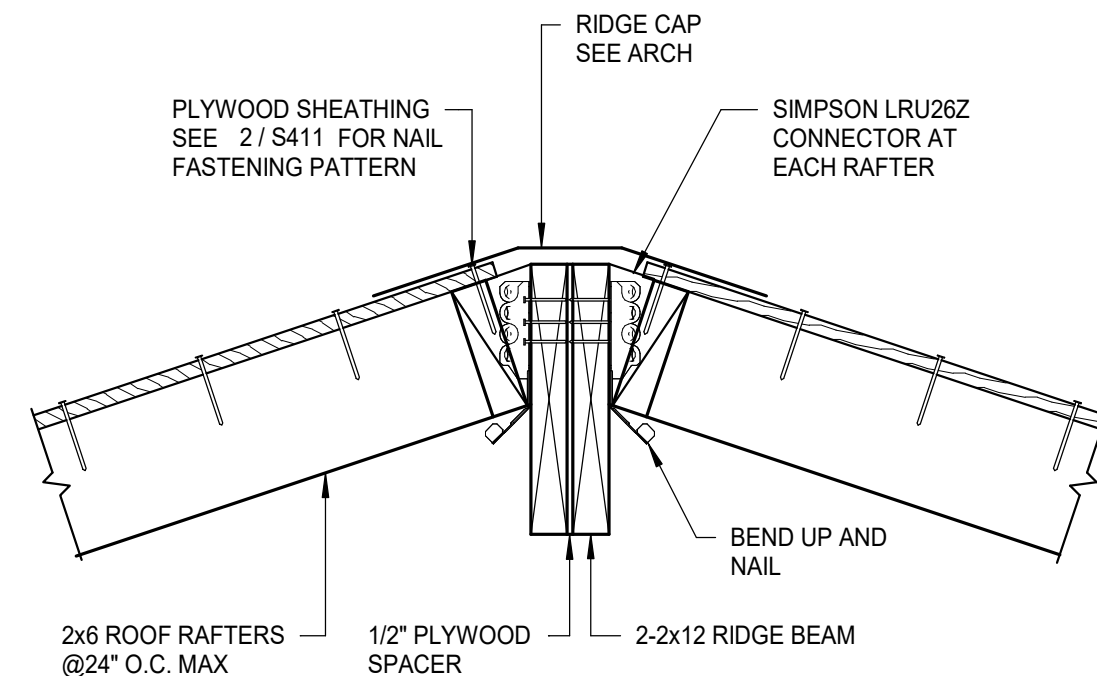
4 ROOF FRAMING
AT STUD WALL 1 1/2" = 1'-0"



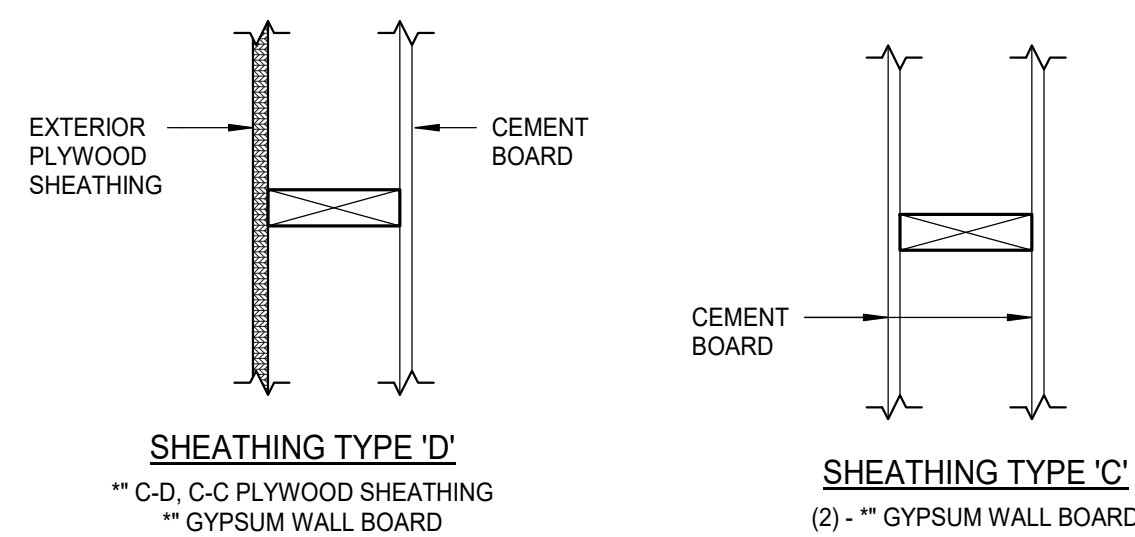
5 ROOF FRAMING
AT POST 1 1/2" = 1'-0"



6 TYPICAL EXTERIOR WALL
AT SLAB 1 1/2" = 1'-0"



7 TYPICAL RIDGE DETAIL 1 1/2" = 1'-0"



8 WALL SHEATHING TYPES 1 1/2" = 1'-0"

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DESIGNER: Designer

DRAWN BY: Author

REVIEWED BY: Designer

Consultant:

DATE

REVISION DESCRIPTION

NO.

PROJECT TITLE

SHEET TITLE

WOOD DETAILS

RESTROOM ADDITIONS

PROJECT TITLE

SHEET NO.

S412

PROFESSIONAL REGISTRATION

CHRISTOPHER S. CHILDERS

P.E. No. 31248

Department of Environmental Protection

Division of Recreation and Parks

Bureau of Design and Construction

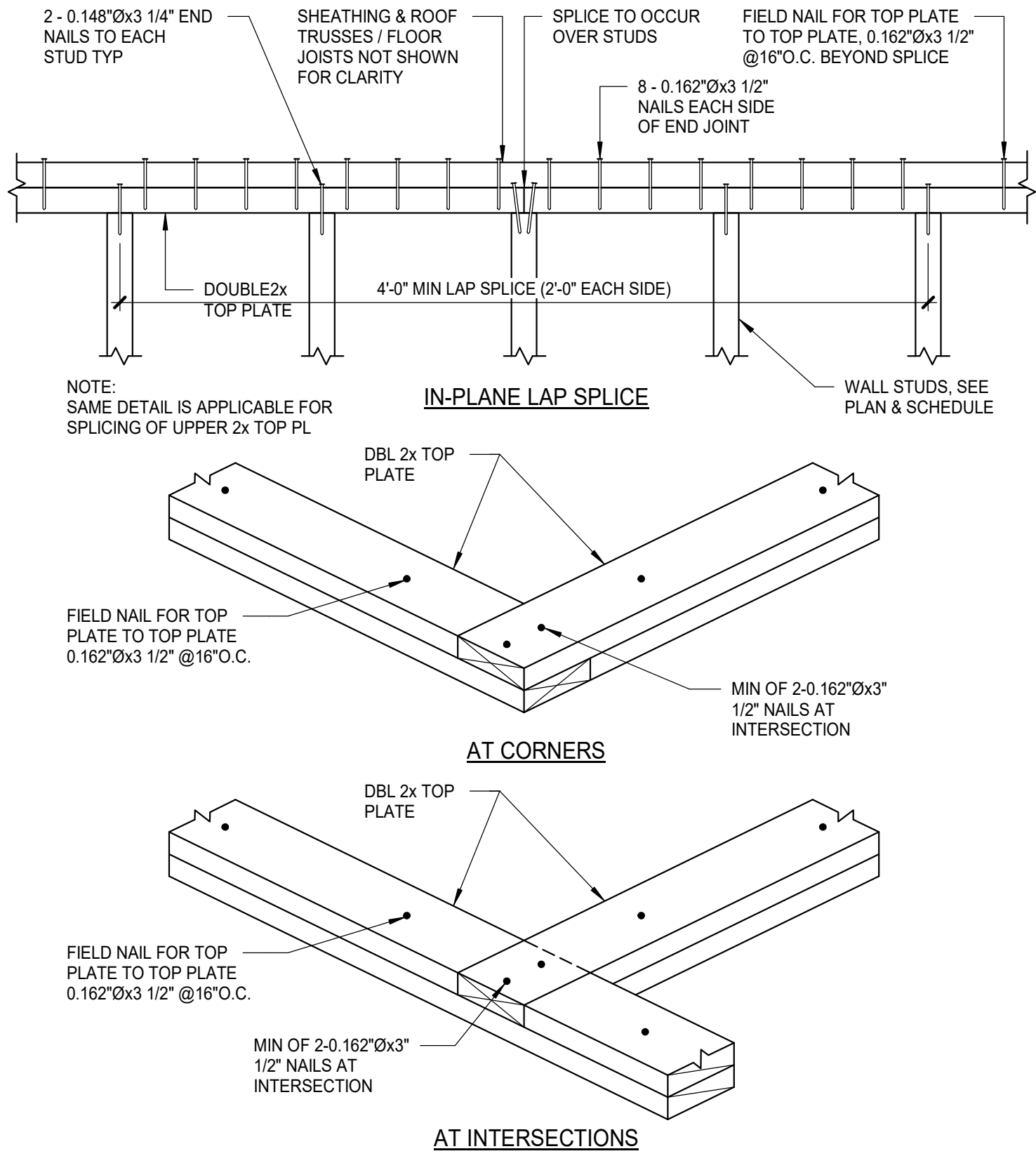
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DODSTONE

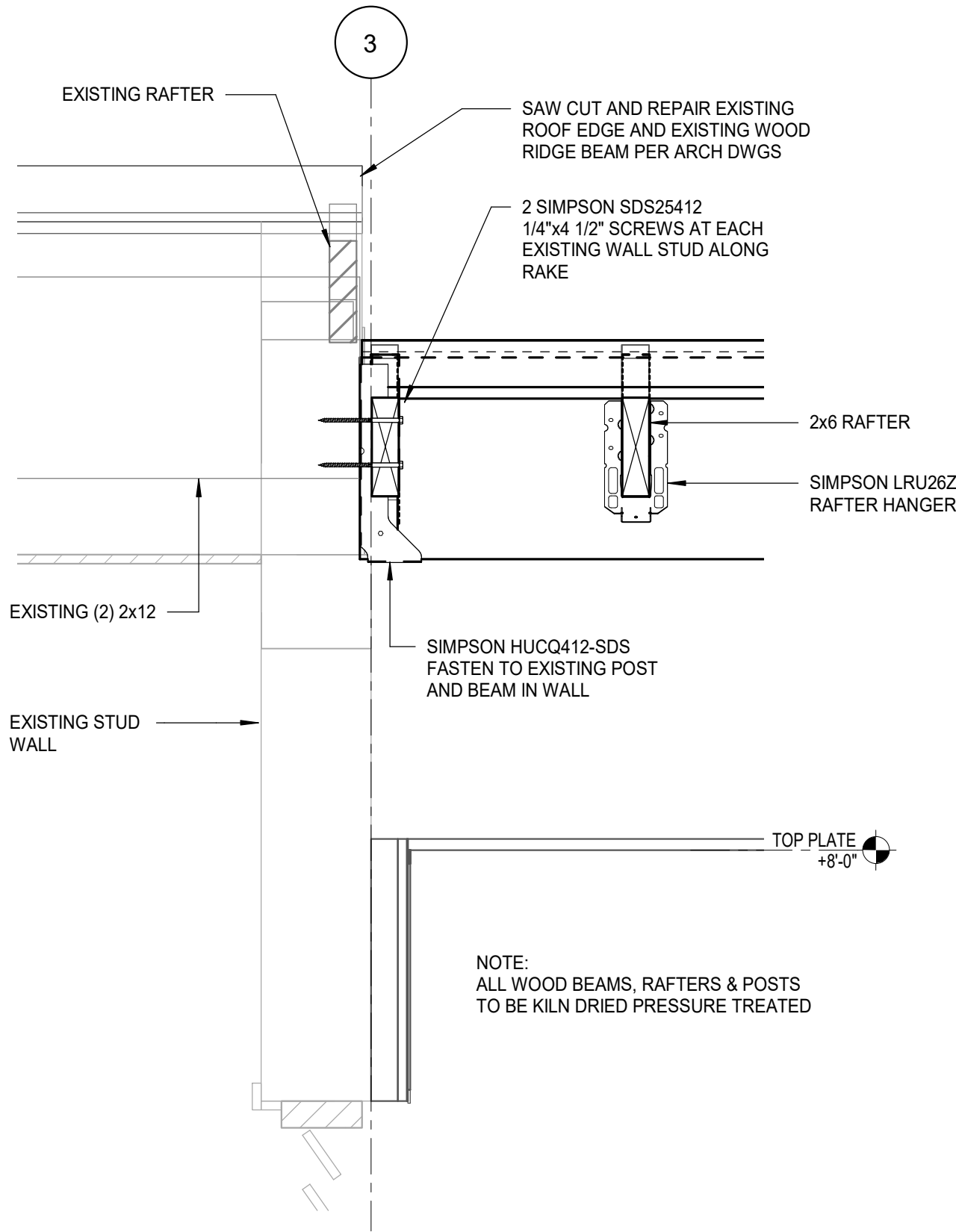
ARCHITECTS

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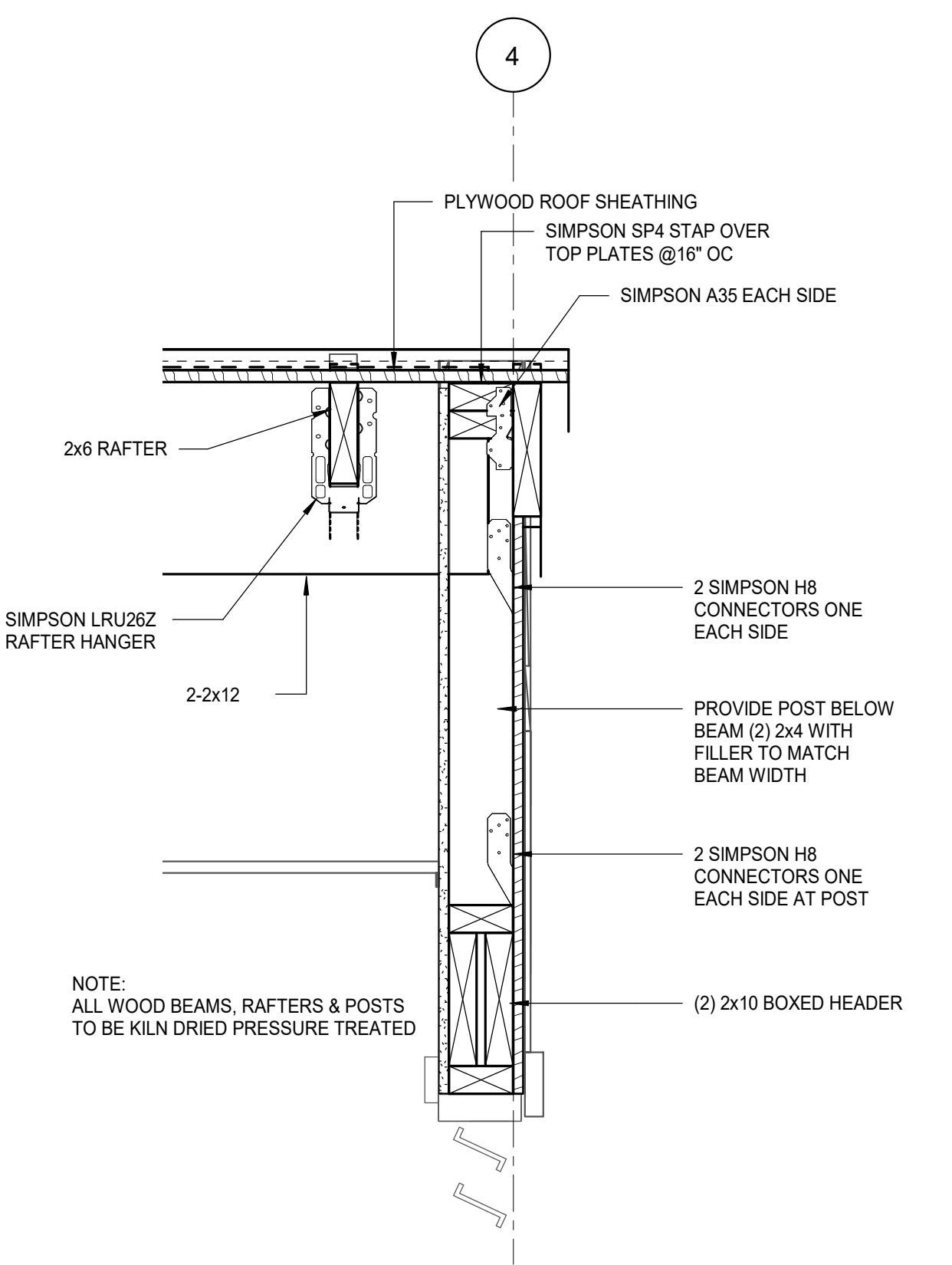
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1 TYPICAL TOP PLATE SPLICES 1 1/2" = 1'-0"



2 SECTION AT EXISTING END WALL 1 1/2" = 1'-0"



3 GABLE END WALL 1 1/2" = 1'-0"



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PONCE DE LEON SPRINGS STATE PARK	SHEET TITLE WOOD DETAILS	PROJECT TITLE RESTROOM ADDITIONS	PROFESSIONAL REGISTRATION CHRISTOPHER S. CHILDERS P.E. No. 31248	DESIGNER: DRAWN BY: REVIEWED BY: Consultant:	Designer Author Designer	ISSUE DATE: 07/15/2022 COMP. FILE No: STATE PROJECT No: 61354C / BNI 22T05	No.	Revision Description	Date
				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300					
				DODSTONE ARCHITECTS 3011-1 Powell Road Tallahassee, FL 32308 850.866.7326 #A4860162					

SHEET NO.
S413

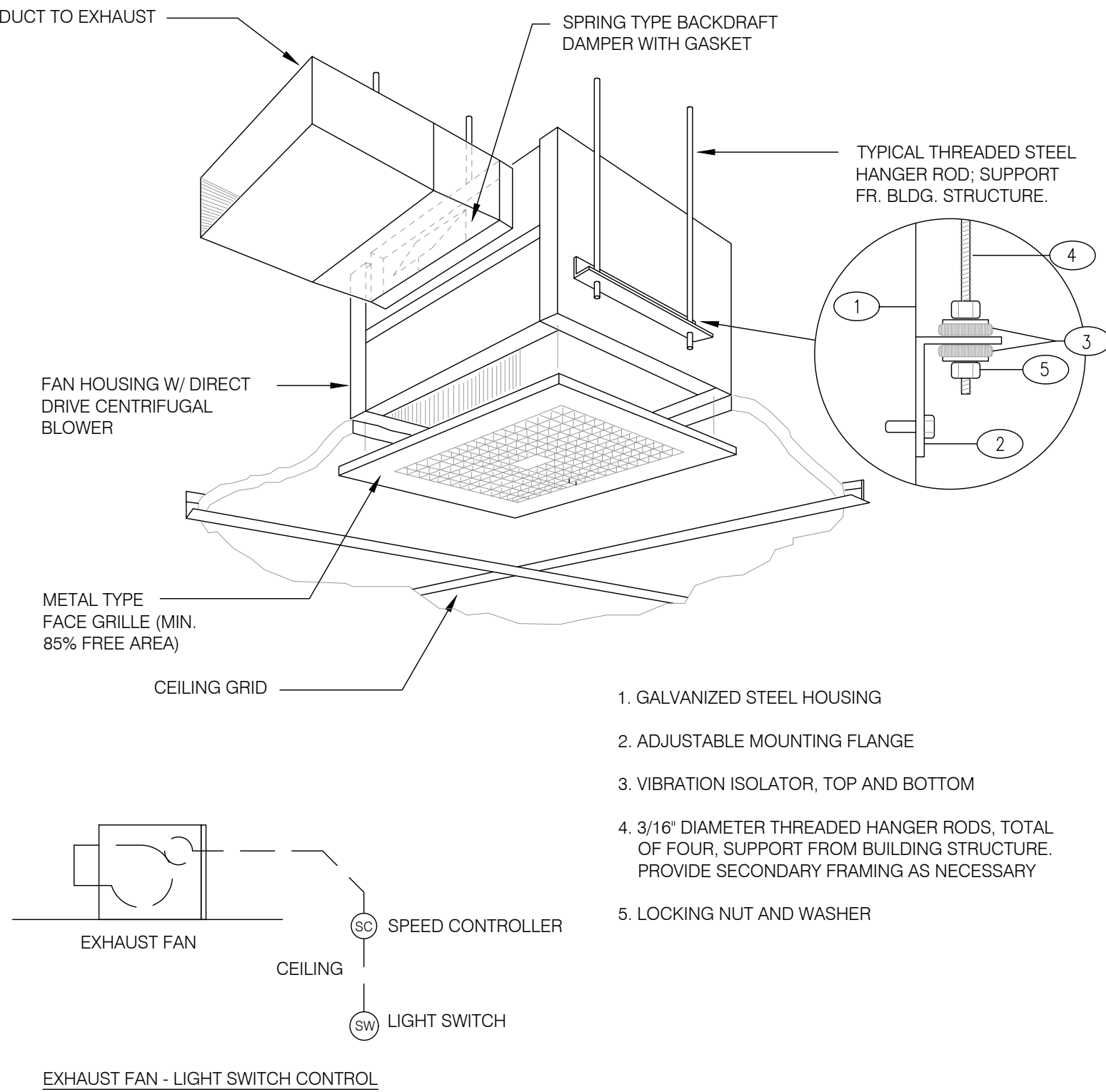
NATURAL VENTILATION REQUIREMENT SCHEDULE	
Occupied Space Name	Surface Area (ft²)
FAMILY RESTROOM	71
Total	71
4% Minimum Openable Area (FBC Mech 402.2)	2.84

NATURAL VENTILATION FULFILLMENT SCHEDULE	
Direct Outdoor Openings	Open Area (ft²)
34"x40" LOUVER	4.43
7x3 DOOR (26"x54" LOUVER)	4.88
Total Openable Area	9.31

GRAVITY VENTILATOR SCHEDULE					
GENERAL DATA					
TAG	MFG.	MODEL NUMBER	VOL (MAX CFM)	NECK SIZE (INCH)	SP (INWC)
GV	COOK	PR8	390	8	0.15
REMARKS:					
1. BACKDRAFT DAMPER.					

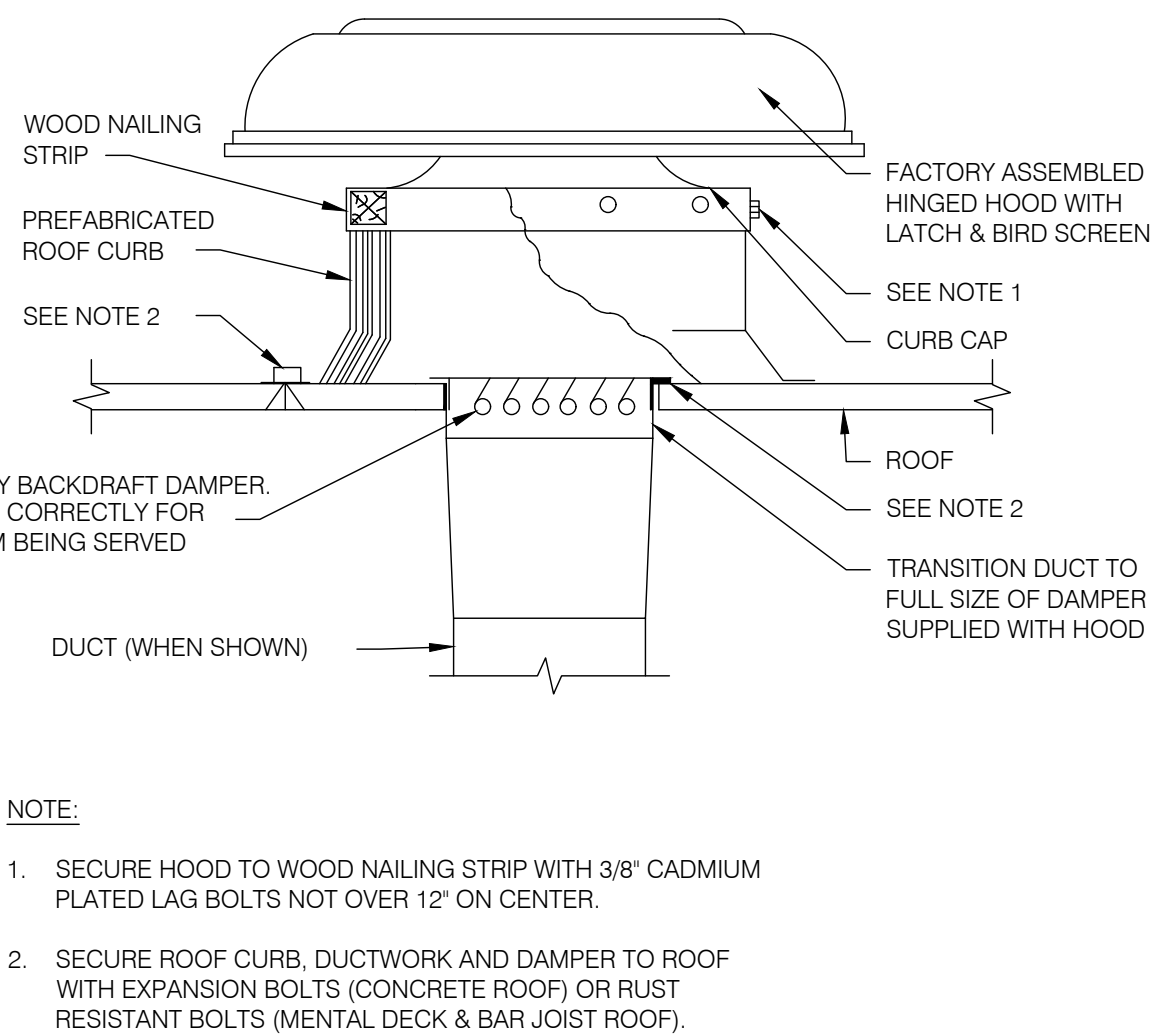
LOUVER SCHEDULE							
PLAN MARK	SERVING	SELECTION BASED ON		SIZE(R.O.)		MINIMUM FREE AREA (FT2)	NOTES
		MFG	MODEL	HEIGHT (IN)	WIDTH (IN)		
OAL	FAMILY RESTROOM	RUSKIN OR EQ	EHV-901 OR EQ	34	40	4.43	
NOTES:							
1. COORDINATE LOUVER FRAME AND BUILD WITH ARCHITECT.							
2. PROVIDE BIRD/INSECT SCREEN.							

FAN SCHEDULE									
GENERAL DATA									
TAG	MFG.	MODEL NUMBER	VOL (CFM)	SP (INWC)	DRIVE	MOTOR SIZE (HP)	WEIGHT	ELECTRICAL (V/PZ)	REMARKS
EF	COOK	GC148	140	0.125	DIRECT	FRACTIONAL		115/1	
REMARKS:									
1. FAN IS TO OPERATE WITH ROOM LIGHT SWITCH.									
2. EQUIVALENT MODEL IS ACCEPTABLE.									
3. PROVIDE FAN WITH SPEED CONTROLLER.									



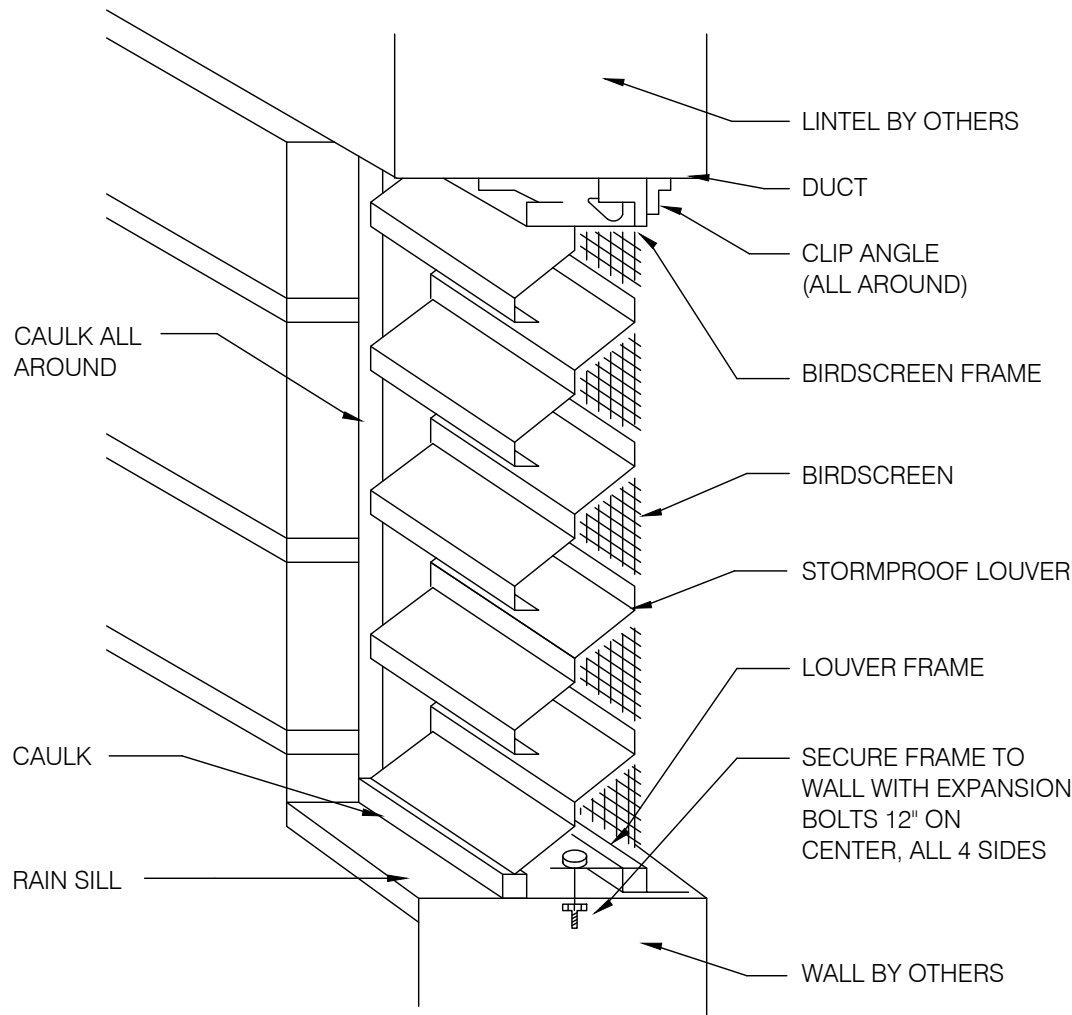
1 EXHAUST FAN DETAIL
SCALE:NONE

ABBREVIATIONS		CODE REFERENCE	
ALL MAY NOT APPLY		ALL MAY NOT APPLY	
CFM	CUBIC FEET PER MINUTE	THE LATEST EDITIONS OF THE ESTABLISHED STANDARDS OF THE FOLLOWING ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMED SHALL BE FOLLOWED THE SAME AS IF THEY WERE FULLY WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFICATION REQUIREMENTS EXCEPT WHERE OTHERWISE SPECIFIED:	
ΔP	DIFFERENCE IN PRESSURE		
ΔT	DIFFERENCE IN TEMPERATURE		
EA	EXHAUST AIR		
EF	EXHAUST FAN	FBC, BUILDING	FLORIDA BUILDING CODE 7TH EDITION
ESP	EXTERNAL STATIC PRESSURE (In W.C.)	FBC, MECHANICAL	FLORIDA BUILDING CODE 7TH EDITION
EX	EXISTING	FBC, EXISTING BUILDING	FLORIDA BUILDING CODE 7TH EDITION
MFG.	MANUFACTURER	FBC, FUEL GAS	FLORIDA BUILDING CODE 7TH EDITION
RPM	REVOLUTIONS PER MINUTE	FBC, ENERGY CONSERVATION	FLORIDA BUILDING CODE 7TH EDITION
SS	STAINLESS STEEL	FFPC	FLORIDA FIRE PREVENTION CODE, 2020 7TH EDITION
TSP	TOTAL STATIC PRESSURE	NFPA 13	STANDARD FOR THE INSTALLATION OF FIRE SPRINKLER SYSTEMS
UNO	UNLESS NOTED OTHERWISE	NFPA 51B	STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
V/PZ	VOLT/PHASE	NFPA 54	NATIONAL FUEL GAS CODE
LEGEND		NFPA 90A	STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS
ALL MAY NOT APPLY		NFPA 90B	STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS
DEMOLITION HATCH INDICATION		NFPA 101	LIFE SAFETY CODE
		NFPA 101A	GUIDE ON ALTERNATIVE APPROACHES TO LIFE SAFETY
EQUIPMENT, PIPE, DUCT, FITTINGS, ETC TO BE DEMOLISHED WILL BE INDICATED SPECIFICALLY OR BY DIAGONAL HATCH MARKING.		NFPA 101B	CODE FOR MEANS OF EGRESS FOR BUILDINGS AND STRUCTURES
		NFPA 900	BUILDING ENERGY CODE
		ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
		ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
		ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
		ADA	AMERICAN WITH DISABILITIES ACT
		UL	UNDERWRITERS LABORATORIES
		THESE CODE AND STANDARDS SHALL BE CONSIDERED A MINIMUM REQUIREMENT. THE CONTRACTOR SHALL NOT RELIEVED FROM PROVIDING HIGHER GRADE MATERIALS, PRODUCTS AND WORKMANSHIP WHICH MAY BE SPECIFIED WITHIN THESE DOCUMENTS	



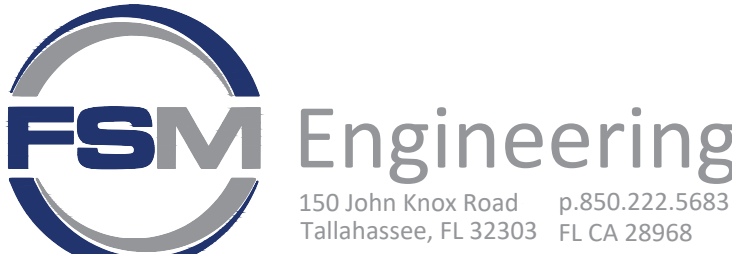
2 LOW-SILHOUETTE EXHAUST OR INTAKE HOOD
SCALE:NONE

HVAC GENERAL NOTES	
1. ONLY NEW EQUIPMENT SHALL BE PROVIDED UNLESS INDICATED AS EXISTING TO REMAIN.	
2. ALL CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE REGIONS FOR VIBRATION ISOLATION.	
3. ALL EQUIPMENT SHALL BE LABELED SO THAT USERS CAN IDENTIFY EACH PIECE OF EQUIPMENT. LABELS SHALL BE CONSISTENT WITH EQUIPMENT TAGS THAT ARE LISTED IN THE SCHEDULES WITHIN THESE DOCUMENTS. ANY ABOVE CEILING EQUIPMENT SHALL HAVE A LABEL PROVIDED ON THE CEILING BELOW THE UNIT FOR EASE OF LOCATING BY MAINTENANCE PERSONNEL.	
4. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS.	
5. MAINTAIN ELECTRICAL EQUIPMENT REQUIRED CODE CLEARANCES.	
6. MAINTAIN EQUIPMENT RECOMMENDED CLEARANCES.	
7. COORDINATE THE PLACEMENT AIR DISTRIBUTION EQUIPMENT WITH THE CEILING AND LIGHTING LAYOUT.	
8. ENSURE ALL EQUIPMENT HAS BEEN CLEANED AT THE END OF THE PROJECT.	
9. DO NOT LOCATE AIR INTAKES CLOSER THAN 10 FEET FROM ANY VENT OR EXHAUST OUTLETS. ROUTE TOILET EXHAUST TO LOCATION SHOWN ON PLANS. WALL CAPS SHALL BE ALUMINUM CONSTRUCTION WITH BACKDRAFT DAMPER, BIRD AND INSECT SCREENS.	
10. WHERE FIRE, SMOKE, COMBINATION FIRE SMOKE DAMPERS CONTROL DAMPERS, VALVES, COILS OR OTHER DEVICE NEEDING ACCESS ARE INSTALLED, PROVIDE DUCT ACCESS DOORS. WHERE INSTALLED IN INACCESSIBLE LOCATIONS, PROVIDE CEILING/WALL ACCESS PANELS. PANELS LOCATED IN RATED ASSEMBLIES SHALL BEAR A UL RATING. COORDINATE LOCATION OF SUCH ACCESS WITH ARCHITECT PRIOR TO INSTALLATION.	
11. PROVIDE MEANS OF TEST AND BALANCE IN ALL TAKE OFF FITTINGS OF SUPPLY, EXHAUST, RETURN SYSTEMS AND AT EACH POINT WHERE A BRANCH SERVES TWO OR MORE GRILLES, WEATHER SHOWN ON THE PLANS OR NOT.	
12. WHERE CONFLICTS BETWEEN LIGHT SWITCHES AND THERMOSTAT/HUMIDISTAT LOCATIONS, THE LIGHT SWITCH TAKES PRECEDENCE. CONTROLLERS SHALL BE MOUNTED ADJACENT.	
13. INSTALL MECHANICAL EQUIPMENT ACCORDING TO THE MANUFACTURER RECOMMENDATIONS	
14. EQUIPMENT AS PER SCHEDULED LIST OF ACCEPTABLE MANUFACTURERS:	
14.1. FANS:	PENNBERRY, GREENHECK, BROAN, PANASONIC
14.2. LOUVERS:	GREENHECK, RUSKIN, POTTORFF
DESIGN CRITERIA	
BUILDING TYPE	UTILITY AND MISCELLANEOUS
CLIMATE ZONE	2A, HOLMES COUNTY
OUTDOOR DESIGN CONDITIONS (SUMMER)	95 DEG Fdb, 77 DEG Fwb
OUTDOOR DESIGN CONDITIONS (WINTER)	NON CONDITIONED
INTERIOR DESIGN CONDITIONS	NON CONDITIONED
SUBMITTAL REQUIREMENTS	
1. USE OF AN APPROVAL STAMP ON SUBMITTAL DOCUMENTS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS.	
2. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEERS APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.	
3. CONTRACTOR SHALL SUPPLY TO THE ARCHITECT SUBMITTALS ON THE FOLLOWING WHERE APPLICABLE (ALL MAY NOT APPLY):	
3.1. LOUVERS	
3.2. CONTROLS	
3.3. FANS	



3 TYPICAL WALL LOUVER DETAIL
SCALE:NONE

GENERAL NOTES	
1. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY MISUSE AND/OR MISREPRESENTATION OF THIS SET OF DOCUMENTS.	
2. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE USE OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MAKE HIMSELF AWARE OF PROJECT CONDITIONS AND OWNER REQUIREMENTS PRIOR TO PROCUREMENT OF EQUIPMENT AND SERVICES. CHANGES IN PROJECT COST WILL NOT BE GRANTED DUE TO FIELD CONFLICTS AND OR PROJECT CONDITIONS.	
3. THIS SET OF DRAWINGS AND SPECIFICATIONS SHALL NOT BE CONSIDERED A SET OF CONSTRUCTION DOCUMENTS UNLESS A SIGNATURE AND DATE ARE AFFIXED TO THE DRAWINGS AND SPECIFICATIONS BY THE ENGINEER OF RESPONSIBLE CHARGE OF THE GIVEN DISCIPLINE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED UNLESS EMBOSSED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ELECTRONIC COPIES.	
4. CONFLICTS BETWEEN THIS SET OF DRAWINGS AND THE CONTRACT SPECIFICATIONS SHALL BE RESOLVED BY THE ENGINEER OF RECORD. THE CONTRACTOR DOES NOT HAVE THE AUTHORITY TO INTERPRET CONFLICTS AND RESOLVE ISSUES WITHOUT WRITTEN DIRECTION FROM THE ENGINEER OF RECORD.	
5. ANY CONFLICTS IN THE FIELD OR WITHIN THESE DOCUMENTS SHALL BE RECORDED AND PROVIDED TO THE ENGINEER OF RECORD ON THE CONTRACTOR'S STANDARD LETTERHEAD. WRITTEN DIRECTION RESOLVING CONFLICT WILL BE ISSUED BY THE ENGINEER OF RECORD.	
6. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING OR OTHER WALL MOUNTED FURNISHINGS	
7. PLANS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO SHOW THE GENERAL SCOPE OF THE WORK TO BE PERFORMED. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.	
8. DUE TO THE SMALL SCALE OF THE DRAWINGS, AND TO UNFORESEEN JOB CONDITIONS, ALL REQUIRED OFFSETS, TRANSITIONS AND FITTINGS MAY NOT BE SHOWN BUT SHALL BE PROVIDED AT NO ADDITIONAL COST.	
9. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND EXISTING EQUIPMENT TO ENSURE THE EQUIPMENT SPECIFIED WILL WORK FOR THE SPACES PROVIDED. FINAL DIMENSIONS OF SYSTEMS SHOWN ON THESE PLANS SHALL BE COORDINATED IN THE FIELD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROVIDING OFFSETS AND TRANSITIONS TO FIT IN SPACES PROVIDED AND AT NO COST TO THE OWNER.	
10. THE CONTRACTOR IS RESPONSIBLE FOR ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED TO BRING INTO THE BUILDING AND EQUIPMENT ROOMS.	
11. ALL WORK PERFORMED AS PART OF THIS PROJECT SHALL BE PERFORMED BY EXPERIENCED TRADESMEN WHO ARE TRAINED, EXPERIENCED, AND SKILLED IN THE TASKS INCIDENTAL TO THE PROJECT.	
12. ALL WORK SHALL COMPLY WITH APPLICABLE OSHA AND EPS REGULATIONS AND GUIDELINES	
13. THE CONTRACTOR PERFORMING WORK ON THIS PROJECT WILL BE RESPONSIBLE FOR REGULARLY CLEANING THE WORK AREA OF ANY DEBRIS ASSOCIATED WITH THE WORK BEING PERFORMED. THE SITE SHALL BE CLEAN OF ALL CONSTRUCTION DEBRIS AT THE COMPLETION OF THE JOB, BEFORE FINAL PAYMENT IS MADE.	
14. REASONABLE PRECAUTIONS SHALL BE MADE FOR SAFETY AND HEALTH INCLUDING BUT NOT LIMITED TO WARNING SIGNS, SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS.	
15. COORDINATE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. CONTRACTOR SHALL PROVIDE OWNER A FULL CONSTRUCTION SCHEDULE.	
16. CONTRACTOR SHALL BE HELD TO PROVIDED SCHEDULE. HE SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT MANPOWER AND EQUIPMENT TO COMPLETE THE WORK IN THE TIME INDICATED.	
17. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS. THE LOCATION OF STORAGE SHALL BE RESTRICTED SPECIFICALLY TO THE AREA ALLOTTED BY THE OWNER.	
18. ALL ITEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT SHALL BE NEW, CLEAN, AND FREE OF DEFECTS.	
19. IF DRAWING CHANGES ARE NEEDED FOR INSPECTION DUE TO FIELD CHANGES MADE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL OF THE ENGINEER AND AGREED UPON TERMS THE CONTRACTOR SHALL PAY HOURLY RATES TO THE ENGINEER OF RECORD FOR MAKING NECESSARY CHANGES.	
20. SUPPORTS, HANGERS, WIRING AND PIPING SHALL BE INSTALLED IN A NEAT AND ORDERLY APPEARANCE.	
21. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL PARTITIONS LABELED WITH A SPECIAL LISTING ON THE ARCHITECTURAL PLANS, THIS INCLUDES FIRE, SMOKE ACOUSTICAL AND OTHER UL WALL OR CEILING ASSEMBLIES.	
22. STRUCTURAL PENETRATIONS INCLUDING BUT NOT LIMITED TO WALL, FLOOR OR BEAM SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ALL BEAM SLEEVES AND REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.	
23. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY THE MATERIAL SUPPLIES AND MANUFACTURERS.	
24. VALUE ENGINEERING OR CHANGES TO PLANS MUST BE APPROVED BY THE ENGINEER OF RECORD AND RESUBMITTED THROUGH THE BUILDING DEPARTMENT PRIOR TO BEING INSTALLED.	
SHEET INDEX	
SHEET NUMBER	SHEET TITLE
M001 - HVAC NOTES, SCHEDULES, & SHEET INDEX	
M101 - BATH HOUSE FLOOR PLAN - HVAC - RENO	



Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (950) 245-2300

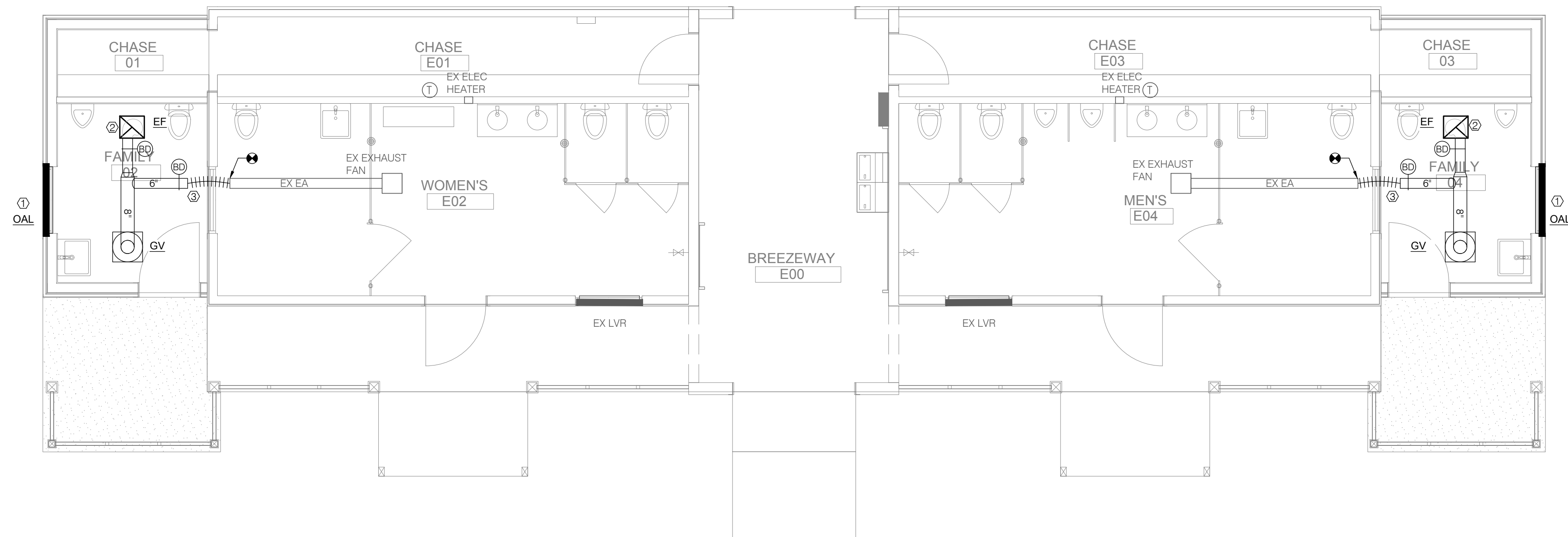
DODSTONE ARCHITECTS
3011-1 Powell Road | Tallahassee, FL 32308
950.656.7235 | #AA2601632

PROFESSIONAL REGISTRATION
★ ROBERT E. GELHARDT II ★
LICENSEE
NO. 77568
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Robert Gelhardt II, P.E. FL 77568

PONCE DE LEON SPRINGS STATE PARK
SHEET TITLE
HVAC NOTES, SCHEDULES, & SHEET INDEX
PROJECT TITLE
RESTROOM ADDITIONS

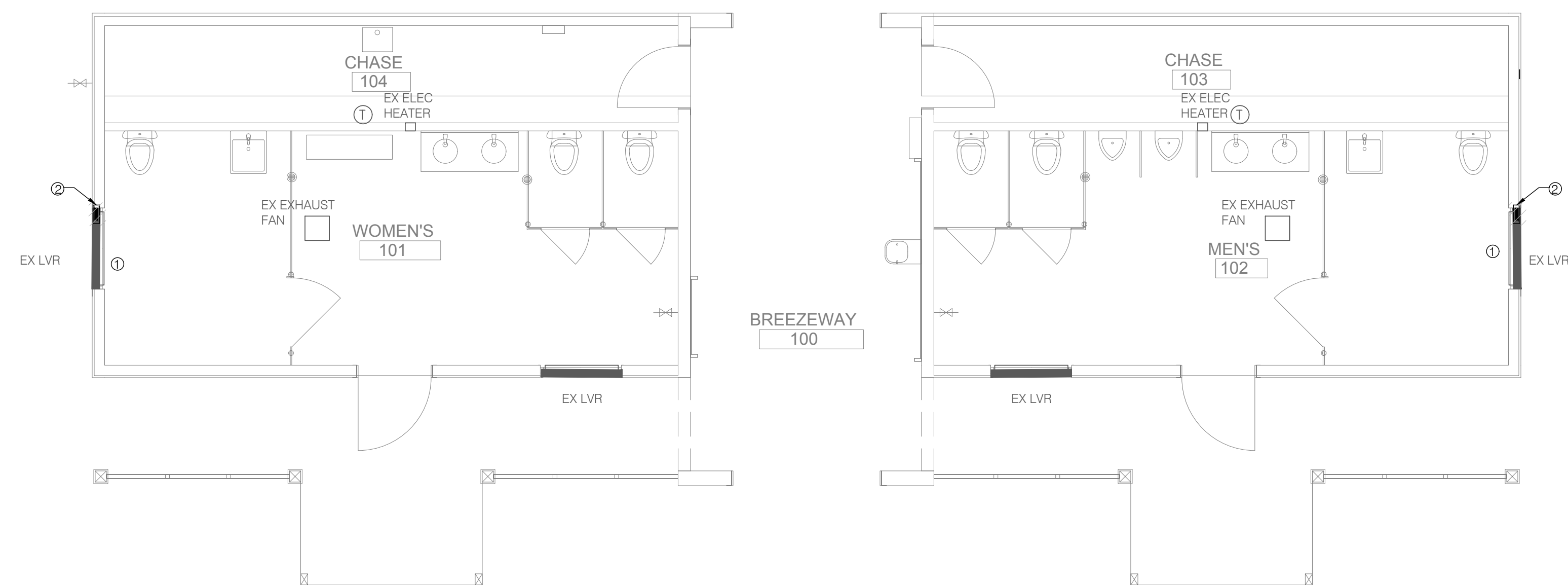
SHEET NO.
M001

100% CONSTRUCTION DOCUMENT



- RENOVATION KEYED NOTES:**
- ① COORDINATE WALL LOUVER WITH ARCHITECT. MINIMUM FREE AREA SHALL COORDINATE WITH HVAC SCHEDULE.
 - ② INSTALL LINE VOLTAGE THERMOSTAT-HUMIDISTAT CONTROLLER TO CONTROL FAN.
 - ③ CONTRACTOR SHALL CONNECT FLEX DUCT TO EXISTING DUCT PASSING EXISTING CEILING STRUCTURE BEFORE EXHAUST CONNECTION.CONNECT EXISTING AND NEW EXHAUST FAN DUCTS TO GRAVITY VENTILATOR.

1 BATH HOUSE FLOOR PLAN - HVAC - RENOVATION
SCALE: 1/4" = 1'-0"



- DEMOLITION KEYED NOTES:
- ① EXISTING WALL LOUVER SHALL REMAIN.
- ② COORDINATE THE LOCATION OF EX EXH SYSTEM CAP AND REMOVE.

2 BATH HOUSE FLOOR PLAN - HVAC - DEMOLITION
SCALE: 1/4" = 1'-0"

ELECTRICAL SPECIFICATIONS

SECTION 16050 – BASIC ELECTRICAL MATERIALS AND METHODS

- ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, ARTICLE 100, BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED USE.
- IDENTIFICATION DEVICE COLORS: USE THOSE PRESCRIBED BY ANSI A13.1, NFPA 70, AND THESE SPECIFICATIONS.
- COLOR ADHESIVE MARKING TAPE FOR RACEWAYS, WIRES, AND CABLES: SELF-ADHESIVE VINYL TAPE, NOT LESS THAN 1 INCH WIDE BY 3 MILS THICK (25 MM WIDE BY 0.08 MM THICK).
- TAPE MARKERS FOR CONDUCTORS: VINYL OR VINYL-CLOTH, SELF-ADHESIVE, WRAP AROUND TYPE WITH PREPRINTED NUMBERS AND LETTERS.
- ENGRAVED-PLASTIC LABELS, SIGNS, AND INSTRUCTION PLATES: ENGRAVING STOCK, MELAMINE PLASTIC LAMINATE PUNCHED OR DRILLED FOR MECHANICAL FASTENERS 1/16-INCH (1.6-MM) MINIMUM THICKNESS FOR SIGNS UP TO 20 SQ. IN. (129 SQ. CM) AND 1/8-INCH (3.2-MM) MINIMUM THICKNESS FOR LARGER SIZES. ENGRAVED LEGEND IN BLACK LETTERS ON WHITE BACKGROUND.
- PULL STRINGS: PROVIDE PULL STRINGS IN ALL SPARE OR EMPTY CONDUITS AND RACEWAYS.
- COORDINATE NAMES, ABBREVIATIONS, COLORS, AND OTHER DESIGNATIONS USED FOR ELECTRICAL IDENTIFICATION WITH CORRESPONDING DESIGNATIONS INDICATED IN THE CONTRACT DOCUMENTS OR REQUIRED BY CODES AND STANDARDS. USE CONSISTENT DESIGNATIONS THROUGHOUT PROJECT.
- CUT, CHANNEL, CHASE, AND DRILL FLOORS, WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES REQUIRED TO PERMIT ELECTRICAL INSTALLATIONS. PERFORM CUTTING BY SKILLED MECHANICS OF TRADES INVOLVED. SLEEVE ALL CABLE PENETRATIONS OF WALLS. SEAL ALL CONDUIT PENETRATIONS.
- REPAIR, RETINISH AND TOUCH UP DISTURBED FINISH MATERIALS AND OTHER SURFACES TO MATCH ADJACENT UNDISTURBED SURFACES.
- ALL WORK SHALL COMPLY WITH CODES AND STANDARDS LISTED ON PLANS.

SECTION 16060 – GROUNDING AND BONDING

- EQUIPMENT GROUNDING CONDUCTORS: COMPLY WITH NFPA 70, ARTICLE 250, FOR TYPES, SIZES, AND QUANTITIES OF EQUIPMENT GROUNDING CONDUCTORS, UNLESS SPECIFIC TYPES, LARGER SIZES, OR MORE CONDUCTORS THAN REQUIRED BY NFPA 70 ARE INDICATED.
- INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS IN ALL FEEDERS AND BRANCH CIRCUITS.
- ALL GROUNDING CONDUCTORS SHALL BE COPPER; COMPLY WITH DIVISION 16 SECTION "CONDUCTORS AND CABLES" AND ASTM B, AS APPLICABLE.
- EQUIPMENT GROUNDING CONDUCTORS: INSULATED WITH GREEN-COLORED INSULATION.
- GROUNDING ELECTRODE CONDUCTORS: STRANDED COPPER CABLE.
- UNDERGROUND CONDUCTORS: BARE, TINNED, STRANDED, UNLESS OTHERWISE INDICATED.
- CONNECTORS: COMPLY WITH IEEE 837 AND UL 467; LISTED FOR USE FOR SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND CONNECTED ITEMS.
- IN RACEWAYS, USE INSULATED EQUIPMENT GROUNDING CONDUCTORS.
- EXOTHERMIC-WELDED CONNECTIONS: USE FOR CONNECTIONS TO STRUCTURAL STEEL AND FOR UNDERGROUND CONNECTIONS.
- GROUNDING CONDUCTORS: ROUTE ALONG SHORTEST AND STRAIGHTEST PATHS POSSIBLE, UNLESS OTHERWISE INDICATED. AVOID OBSTRUCTING ACCESS OR PLACING CONDUCTORS WHERE THEY MAY BE SUBJECTED TO STRAIN, IMPACT, OR DAMAGE.
- BONDING STRAPS AND JUMPERS: INSTALL SO VIBRATION BY EQUIPMENT MOUNTED ON VIBRATION ISOLATION HANGERS OR SUPPORTS IS NOT TRANSMITTED TO RIGIDLY MOUNTED EQUIPMENT

SECTION 16120 – CONDUCTORS AND CABLES

- CONDUCTOR MATERIAL: COPPER COMPLYING WITH NEMA WC 5 OR 7; SOLID CONDUCTOR FOR NO. 10 AWG AND SMALLER, STRANDED FOR NO. 8 AWG AND LARGER.
- CONDUCTOR INSULATION TYPES: TYPE THHN-THWN COMPLYING WITH NEMA WC 5 OR WC 7.
- TYPE MC CABLE SHALL BE PERMITTED IN CONCEALED LOCATIONS, WHERE PERMITTED BY CODE.
- BRANCH CIRCUITS CONCEALED IN CEILINGS, WALLS, AND PARTITIONS: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY; TYPE MC CABLE.
- CONCEAL CABLES AND RACEWAYS IN FINISHED WALLS, CEILINGS, AND FLOORS.
- USE MANUFACTURER-APPROVED PULLING COMPOUND OR LUBRICANT WHERE NECESSARY; COMPOUND USED MUST NOT DETERIORATE CONDUCTOR OR INSULATION. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM PULLING TENSIONS AND SIDEWALL PRESSURE VALUES.
- IN EXPOSED LOCATIONS, ALL CONDUCTORS AND CABLES SHALL BE INSTALLED IN RACEWAY.
- MAKE SPLICES AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN UNSPLICED CONDUCTORS.
- WIRING AT OUTLETS: INSTALL CONDUCTOR AT EACH OUTLET, WITH AT LEAST 6 INCHES (150 MM) OF SLACK.

SECTION 16130 – RACEWAYS AND BOXES

- PERMANENTLY LABEL ALL RACEWAYS AND JUNCTION/PULL BOX COVERS TO INDICATE PANEL/CIRCUIT NUMBERS CONTAINED.
- UNLESS OTHERWISE NOTED, PROVIDE NEMA 1 ENCLOSURES IN INDOOR LOCATIONS, NEMA 3R ENCLOSURES IN OUTDOOR LOCATIONS.
- MINIMUM RACEWAY SIZE: 1/2" TRADE SIZE.
- KEEP RACEWAYS AT LEAST 6 INCHES (150 MM) AWAY FROM PARALLEL RUNS OF HOT-WATER PIPES. INSTALL HORIZONTAL RACEWAY RUNS ABOVE WATER PIPING.
- PROTECT STUB-UPS FROM DAMAGE WHERE CONDUITS RISE THROUGH FLOOR SLABS. ARRANGE SO CURVED PORTIONS OF BENDS ARE NOT VISIBLE ABOVE FINISHED SLAB.
- MAKE BENDS AND OFFSETS SO ID IS NOT REDUCED. KEEP LEGS OF BENDS IN SAME PLANE AND KEEP STRAIGHT LEGS OF OFFSETS PARALLEL, UNLESS OTHERWISE INDICATED.
- CONCEAL CONDUIT AND EMT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS WHENEVER POSSIBLE.
- INSTALL EXPOSED RACEWAYS PARALLEL OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS AND FOLLOW SURFACE CONTOURS AS MUCH AS POSSIBLE. LOCATE EXPOSED CONDUITS NEATLY ALONG VERTICAL AND HORIZONTAL ARCHITECTURAL ELEMENTS. NO CONDUITS SHOULD RUN IN FRONT OF LOUVERS OR SCREENED OPENINGS. COORDINATE LAYOUT IN ADVANCE WITH THE PLUMBING LINES.
- INSTALL RACEWAY SEALING FITTINGS AT SUITABLE, APPROVED, AND ACCESSIBLE LOCATIONS AND FILL THEM WITH UL-LISTED SEALING COMPOUND. INSTALL RACEWAY SEALING FITTINGS WHERE CONDUITS PASS FROM WARM TO COLD LOCATIONS, SUCH AS SOUND BARRIERS OF REFRIGERATED SPACES AND WHERE OTHERWISE REQUIRED BY NFPA 70.
- FLEXIBLE CONNECTIONS: USE MAXIMUM OF 72 INCHES (1830 MM) OF FLEXIBLE CONDUIT FOR RECESSED AND SEMIRECESSED LIGHTING FIXTURES; FOR EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT; AND FOR ALL MOTORS. USE LFMC IN DAMP OR WET LOCATIONS. INSTALL SEPARATE GROUND CONDUCTOR ACROSS FLEXIBLE CONNECTIONS.

SECTION 16140 – WIRING DEVICES

- STRAIGHT-BLADE-TYPE RECEPTACLES: COMPLY WITH NEMA WD 1, NEMA WD 6, DSCC W-C-596G, AND UL 498. STRAIGHT-BLADE AND LOCKING RECEPTACLES: HEAVY-DUTY GRADE.
- GFCI RECEPTACLES: STRAIGHT BLADE, HEAVY-DUTY GRADE, WITH INTEGRAL NEMA WD 6, CONFIGURATION 5-20R DUPLEX RECEPTACLE; COMPLYING WITH UL 498 AND UL 943.
- SINGLE- AND DOUBLE-POLE SWITCHES: COMPLY WITH DSCC W-C-896F AND UL 20.
- SNAP SWITCHES: HEAVY-DUTY GRADE, QUIET TYPE.
- DIMMERS SHALL BE SLIDE-TYPE, WITH PRESET DIMMERS SHALL BE RATED FOR THE LOAD TYPE CONTROLLED (E.G., INCANDESCENT, LED, FLUORESCENT). DIMMERS SHALL BE RATED FOR 500W, MINIMUM; DERATE, AS PER MANUFACTURER'S RECOMMENDATIONS, FOR GANG INSTALLATION.
- DEVICE & COVER PLATE FINISH: MATCH EXISTING, UNLESS OTHERWISE INDICATED OR REQUIRED BY NFPA 70.
- INSTALL DEVICES AND ASSEMBLIES LEVEL, PLUMB, AND SQUARE WITH BUILDING LINES.
- ARRANGEMENT OF DEVICES: UNLESS OTHERWISE INDICATED, MOUNT FLUSH, WITH LONG DIMENSION VERTICAL. GROUP ADJACENT SWITCHES UNDER SINGLE, MULTIGANG WALL PLATES.
- REMOVE WALL PLATES AND PROTECT DEVICES AND ASSEMBLIES DURING PAINTING.
- AFTER INSTALLING WIRING DEVICES AND AFTER ELECTRICAL CIRCUITRY HAS BEEN ENERGIZED, TEST FOR PROPER POLARITY, GROUND CONTINUITY, AND COMPLIANCE WITH REQUIREMENTS.
- TEST GFCI OPERATION WITH BOTH LOCAL AND REMOTE FAULT SIMULATIONS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL 120V RECEPTACLES SHALL BE TAMPER-RESISTANT TYPE.

SECTION 16410 – ENCLOSED SWITCHES

- ENCLOSED SWITCHES SHALL BE MANUFACTURED BY SQUARE-D, CUTLER-HAMMER, GE, OR SIEMENS.
- ALL ENCLOSED SWITCHES SHALL BE LOCKABLE.
- MOUNT INDIVIDUAL WALL-MOUNTING SWITCHES WITH TOPS AT UNIFORM HEIGHT, UNLESS OTHERWISE INDICATED.
- ENCLOSED SWITCHES SHALL BE UL LISTED FOR THE APPLICATION USED; ENCLOSURES SHALL BE NEMA-3R UNLESS NOTED OTHERWISE.
- MOTOR STARTERS SHALL BE NEMA-RATED, WITH OVERLOADS SIZED PER LOAD. COORDINATE COIL VOLTAGE WITH CONTROLS.

SECTION 16511 – INTERIOR LIGHTING

- LIGHTING FIXTURES: PER FIXTURE SCHEDULE ON PROJECT PLANS.
- WHERE EXIT SIGNS ARE USED, THEY SHALL BE LED-TYPE.
- FIXTURES: SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS. INSTALL LAMPS IN EACH FIXTURE.
- FOR EMERGENCY LIGHTING FIXTURES, PROVIDE UNSWITCHED HOT CONDUCTOR AS INDICATED ON THE PLANS.
- PROVIDE ALL BACKBOXES, SUPPORTS, STEMS, ROUGH-INS, TRIMS, HARDWARE, LAMPS, DRIVERS, AND BALLASTS FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

ENERGY CONSERVATION REQUIREMENTS:

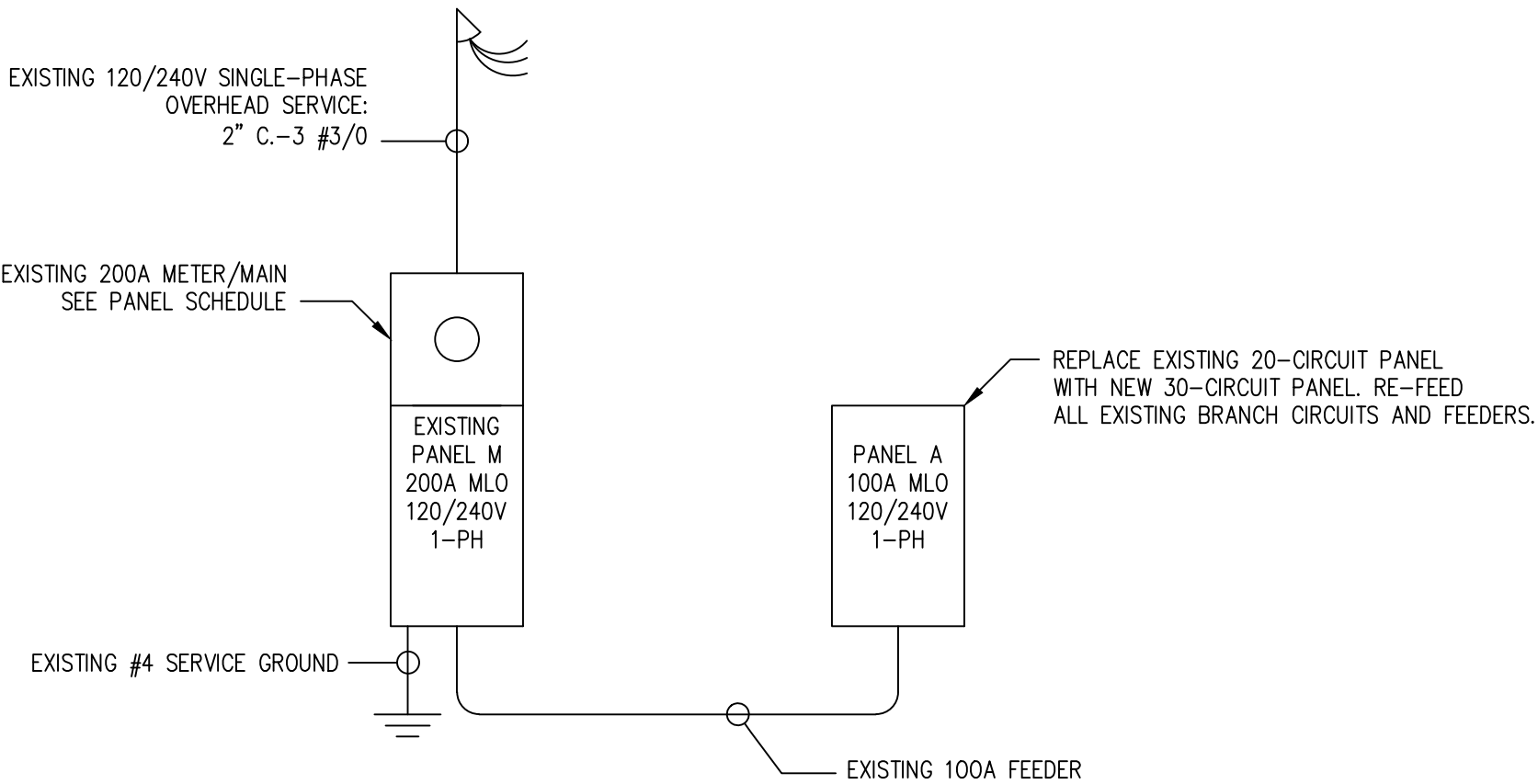
- WITHIN 30 DAYS OF SUBSTANTIAL COMPLETION, CONTRACTOR SHALL PROVIDE RECORD DRAWINGS, OPERATING MANUAL, AND MAINTENANCE MANUALS TO THE BUILDING OWNER.
- RECORD DRAWINGS SHALL INCLUDE: A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM; AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
- CONTRACTOR SHALL PROVIDE OPERATION MANUALS AND MAINTENANCE MANUALS TO THE OWNER FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE; REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
- CONTRACTOR SHALL PROVIDE TO THE OWNER NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- CONTRACTOR SHALL CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR ALL OCCUPANCY SENSORS YIELD ACCEPTABLE RESULTS.
- CONTRACTOR SHALL CONFIRM THAT TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
- WHERE DAYLIGHT HARVESTING IS USED, CONTRACTOR SHALL CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.
- CONTRACTOR SHALL PROGRAM AND ADJUST ALL CONTROLS AS NEEDED TO ACHIEVE PERFORMANCE THAT IS SATISFACTORY TO THE OWNER.
- CONTRACTOR SHALL TEST ALL LIGHTING CONTROL SYSTEMS TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS.
- FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE ENERGY CONSERVATION SECTIONS C408.3.1.1 AND C408.3.1.2 FOR THE APPLICABLE CONTROL TYPE, AND CONTRACTOR SHALL DOCUMENT TESTING AS FOLLOWS: FOR EACH ITEM LISTED IN SECTION C408.3.1.1 AND C408.3.1.2, CONTRACTOR SHALL LIST THE TEST REQUIREMENT, INDICATE THAT THE TEST WAS "PASSED" OR WAS "NOT APPLICABLE" TO THE PROJECT; DOCUMENT SHALL BE SIGNED AND DATED BY THE TECHNICIAN PERFORMING THE TEST, AND ELECTRONIC COPY SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SUBSTANTIAL COMPLETION.
- DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF FLORIDA BUILDING CODE ENERGY CONSERVATION SECTION C405 ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

CODES AND STANDARDS

- | | |
|--|--|
| NFPA 70 | NATIONAL ELECTRICAL CODE (NEC), 2017 EDITION |
| NFPA 72 | NATIONAL FIRE ALARM CODE, 2016 EDITION |
| FLORIDA FIRE PREVENTION CODE, SEVENTH EDITION. | |
| FLORIDA BUILDING CODE, SEVENTH EDITION. | |

LEGEND

- | | |
|----|---|
| | 4FT SURFACE CEILING MOUNT LIGHTING FIXTURE. |
| | WALL-MOUNTED LIGHTING FIXTURE. |
| | EMERGENCY LIGHTING UNIT. PROVIDE UNSWITCHED HOT CONDUCTOR. |
| | 120V/20A QUIET-TYPE SNAP SWITCH.
"WP" INDICATES WEATHERPROOF. |
| | PIR OCCUPANCY SENSOR WALL-SWITCH. |
| | 20A/120V DUPLEX RECEPTACLE.
"WP" INDICATES WEATHERPROOF COVER. |
| | 120V/20A DUPLEX RECEPTACLE, WITH INTEGRAL GFI PROTECTION.
"WP" INDICATES WEATHERPROOF COVER. |
| | JUNCTION BOX |
| | EXHAUST FAN. |
| | ELECTRICAL PANEL. SEE RISER & PANEL SCHEDULES |
| | NEW BRANCH CIRCUIT WIRE IN CONDUIT OR CABLE. |
| | EXISTING BRANCH CIRCUIT WIRE IN CONDUIT OR CABLE. |
| | CONDUCTORS IN CONDUIT, CONCEALED IN WALLS, CEILING, OR BELOW GRADE, HOMERUN TO PANEL INDICATED. |
| EX | INDICATES EXISTING DEVICE TO REMAIN IN SERVICE |



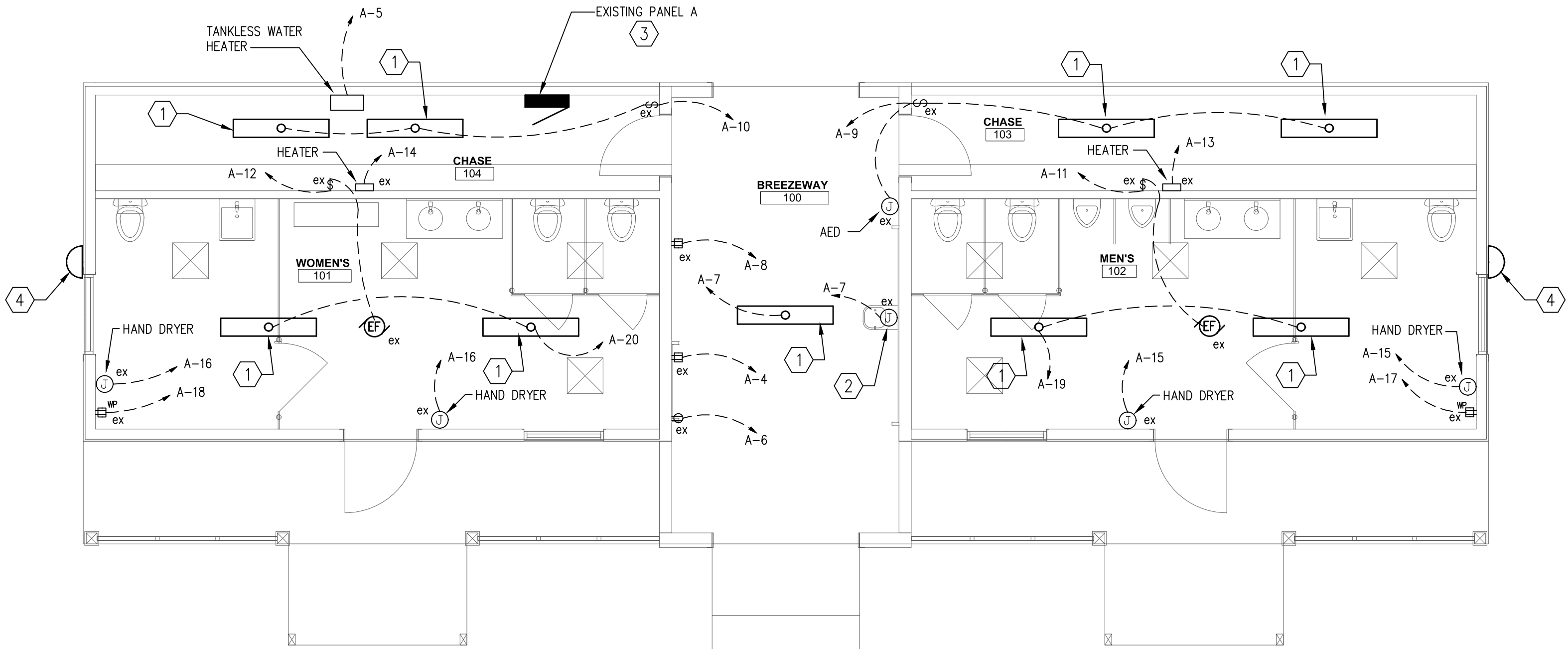
RISER DIAGRAM

SCALE: N.T.S.

DESIGNER: TAW/JML	ISSUE DATE: 07/15/2022	SYMBOL	REVISION	DATE
DRAWN BY: JML	COMP. FILE NO.:	A	C	
REVIEWED BY: JML	STATE PROJECT No.: 61354C	B	D	
Consultant: APPLIED RESEARCH AND DESIGN, INC. 2433 E. BLAIR STONE ROAD TALLAHASSEE, FL 32301 JAMES M. LAMB, PE#52688 Tel: (850) 668-6324 -- E-mail: jmlamb@ard-eng.com ARD PROJECT #1168				
PROFESSIONAL REGISTRATION JAMES M. LAMB PE#52688 James M. Lamb, State of Florida, Professional Engineer, License No. 52688. This item has been digitally signed and sealed by James M. Lamb on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.				
PONCE DE LEON SPRINGS STATE PARK				
SHEET TITLE				
ELECTRICAL PLAN - LEGEND & NOTES				
PROJECT TITLE				
RESTROOM ADDITIONS				
SHEET NO.				
E001				

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction

3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 425-2300



NOTE:
INFORMATION SHOWN HEREIN IS BASED ON FIELD
OBSERVATIONS AND OTHER AVAILABLE DOCUMENTATION.

EXISTING ELECTRICAL - DEMOLITION

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

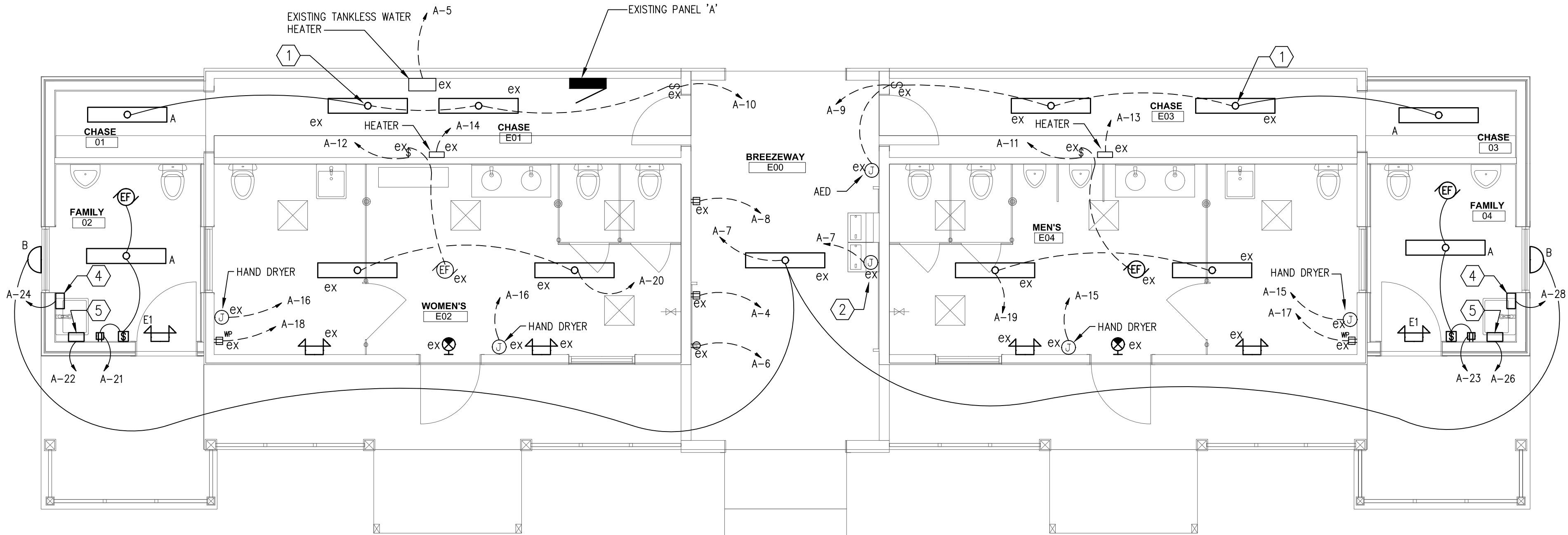
WORK NOTES:

- EXISTING LIGHT FIXTURE TO REMAIN. RELAMP UNDER ALTERNATE 1; SEE NEW WORK PLAN.
- EXISTING WATER COOLER TO BE REMOVED AND REPLACED.
- EXISTING 20-CIRCUIT 125A MLO PANEL TO BE REPLACED WITH NEW 30-CIRCUIT 125A MLO PANEL. RE-FEED ALL EXISTING CIRCUITS FROM NEW BREAKERS.
- EXISTING LIGHT FIXTURE TO BE REMOVED.

GENERAL DEMOLITION NOTES:

- ALL DEVICES, FIXTURES, AND EQUIPMENT SHOWN ARE EXISTING TO REMAIN, UNLESS NOTED TO BE REMOVED.
- WHERE EQUIPMENT OR FIXTURES ARE TO BE REMOVED, REMOVE ALL ASSOCIATED DISCONNECTS, WIRING, RACEWAY BACK TO NEXT DEVICE TO REMAIN.
- WHERE REQUIRED FOR EXISTING DEVICES/FIXTURES TO REMAIN, PROVIDE JUNCTION BOX TO EXTEND THE EXISTING CIRCUIT TO MAINTAIN CONTINUITY.
- CONTRACTOR SHALL DISPOSE OF MATERIAL REMOVED AND NOT REUSED AT THE DISCRETION OF THE OWNER.
- CONTRACTOR MAY REUSE EXISTING CONDUITS WHERE POSSIBLE.
- REMOVE ALL EXISTING UNUSED RACEWAY, CABLING, BOXES, DEVICES, AND FIXTURES LOCATED ABOVE THE CEILING IN THE AREA OF RENOVATION.
- WHERE WALLS ARE BEING DEMOLISHED, REMOVE WALL MOUNTED DEVICES AND PROVIDE JUNCTION BOX AS NECESSARY FOR CIRCUIT CONTINUATION.

DATE	REVISION	SYMBOL	DATE	REVISION	SYMBOL	ISSUE DATE: 07/15/2022	DESIGNER: TAW/JML	PROFESSIONAL REGISTRATION
		C			A	COMP. FILE NO.:	DRAWN BY: TAW/JML	JAMES LAMB PE52688
		D			B	STATE PROJECT NO.: 61354C	REVIEWED BY: JML	James M. Lamb, State of Florida, Professional Engineer, License No. 52688. This item has been digitally signed and sealed by James M. Lamb on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 425-2300						Consultant: APPLIED RESEARCH AND DESIGN, INC. 2433 S. BLAIR STONE ROAD TALLAHASSEE, FL 32301 JAMES M. LAMB, PE#52688 Tel: (850) 668-6324 -- E-mail: jmlamb@ard-eng.com ARD PROJECT #1168		
PONCE DE LEON SPRINGS STATE PARK		ELECTRICAL PLAN - EXISTING / DEMOLITION		RESTROOM ADDITIONS		SHEET NO. E100		



RENOVATION ELECTRICAL

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

WORK NOTES:

- 1 NEW CONNECTION TO EXISTING. EXTEND EXISTING CIRCUIT TO NEW FIXTURE WITH 1/2" C.-2 #12, #12 GND. AS SHOWN.
- 2 NEW WATER COOLER TO REPLACE EXISTING. RE-CONNECT TO EXISTING BRANCH CIRCUIT AS REQUIRED.
- 3 ALTERNATE 1: RETROFIT ALL EXISTING 4FT LIGHTING FIXTURES (9 FIXTURES, TOTAL) WITH LED BALLAST-BYPASS LAMPS (2 PER FIXTURE). PHILIPS #1418/COR/48-840/IF21/G/DIM 10/1, OR EQUAL.
- 4 NEW WATER HEATER (120V/12A): PROVIDE 2 #12, #12 GND, TO PANEL. PROVIDE LOCKABLE "OFF" BREAKER AT PANEL. COORDINATE WITH PLUMBER.
- 5 NEW HAND DRYER: PROVIDE 2 #12, #12 GND, TO PANEL. COORDINATE ROUGH-IN LOCATION AND ELEVATION WITH ARCHITECTURAL PLANS.

PANEL:A

MAIN: 125A MLO SERVICE: 120/240V, 1-PHASE, 3-WIRE LOCATION: SEE PLAN RATING: 10,000 AIC TYPE: NEMA-1, SURFACE											
NOTE: REPLACE EXISTING PANEL WITH NEW; EXTEND ALL FEEDERS AND BRANCH CIRCUITS TO NEW BREAKERS. ALL CIRCUITS LISTED ARE EXISTING, UNLESS INDICATED AS NEW.											
KVA											
CKT	DESCRIPTION	BKR	P	LOAD	A	B	LOAD	BKR	P	DESCRIPTION	CKT
1	SPARE	40	2		0.18		0.18	20	1	REC. WALKWAY	2
3						0.18	0.18	20	1	REC. WALKWAY	4
5	WATER HEATER	30	1	3.00	3.18		0.18	20	1	REC. WALKWAY	6
7	WATER COOLER	20	1	0.80		1.30	0.50	20	1	LTG. WALKWAY	8
9	LTG. CHASE	20	1	0.50	1.00		0.50	20	1	LTG. CHASE	10
11	EXH. FAN	20	1	0.50		1.00	0.50	20	1	EXH. FAN	12
13	HEATER CHASE	20	1	1.50	3.00		1.50	20	1	HEATER CHASE	14
15	HAND DRYER	20	1	1.50		3.00	1.50	20	1	HAND DRYER	16
17	REC. MENS	20	1	0.18	0.36		0.18	20	1	REC. WOMENS	18
19	LTG. MENS	20	1	0.50		1.00	0.50	20	1	LTG. WOMENS	20
21	LTG/REC - FAMILY 02 *	20	1	0.30		1.80	1.50	20	1	HAND DRYER 02 *	22
23	LTG/REC - FAMILY 04 *	20	1	0.30	1.74		1.44	20	1	WATER HEATER 02 *	24
25	SPARE	20	1			1.50	1.50	20	1	HAND DRYER 04 *	26
27	SPARE	20	1		1.44		1.44	20	1	WATER HEATER 04 *	28
29	SPARE	20	1			0.00				SPACE	30
* INDICATES NEW LOAD					10.90	9.78					
TOTAL CONNECTED LOAD (KVA):					20.68 KVA		86.2 AMPS				

Lighting Fixture Schedule

TYPE	DESCRIPTION	MNFR/SUPPLIER	MODEL #	LAMPS	NOTES
A	4FT VAPORTITE LED	DAY-BRITE	DWPE 43L 840-4-UNV-WHP	38W LED	
B	EXTERIOR WALLPACK	FC LIGHTING	FCW3052-120V-40K-CRI85-11L-XXX	22W LED	COORDINATE MOUNTING HEIGHT/LOCATION WITH ARCHITECTURAL ELEVATIONS
EM	EMERGENCY AREA WALL LIGHT	CHLORIDE	CLU-N-W	INCLUDED	CONNECT TO AN UNSWITCHED LEG OF ROOM LIGHTING CIRCUIT FOR CHARGING / SENSING
---	---	---	---	---	

NOTES:

1. VERIFY ALL CEILING FINISHES, FIXTURE TRIMS, AND VOLTAGES PRIOR TO ORDERING AND PROVIDE AS REQUIRED.
2. FIXTURES SHOWN ARE BASIS OF DESIGN; FIXTURES OF SIMILAR STYLE, PERFORMANCE, AND ELECTRICAL CHARACTERISTICS THAT ARE ACCEPTABLE TO THE OWNER AND ENGINEER WILL BE ALLOWED.
3. PROVIDE ALL LOW-VOLTAGE WIRING AS REQUIRED, FOR DIMMING AND CONTROLS.
4. PROVIDE LAMPS/BALLASTS/DRIVERS WITH ALL FIXTURES.
5. PROVIDE ALL BOXES, BACKBOXES, SUPPORTS, FEEDS, TRIMS, STEMS, ROUGH-INS AND BLOCKING AS MAY BE REQUIRED FOR INSTALLATION.
6. PROVIDE FIRE RATED BOXES OR OTHER MEANS TO MAINTAIN RATED CEILINGS WHERE RECESSED FIXTURES ARE USED.

PONCE DE LEON SPRINGS STATE PARK

ELECTRICAL PLAN - RENOVATIONS

RESTROOM ADDITIONS

SHEET NO.

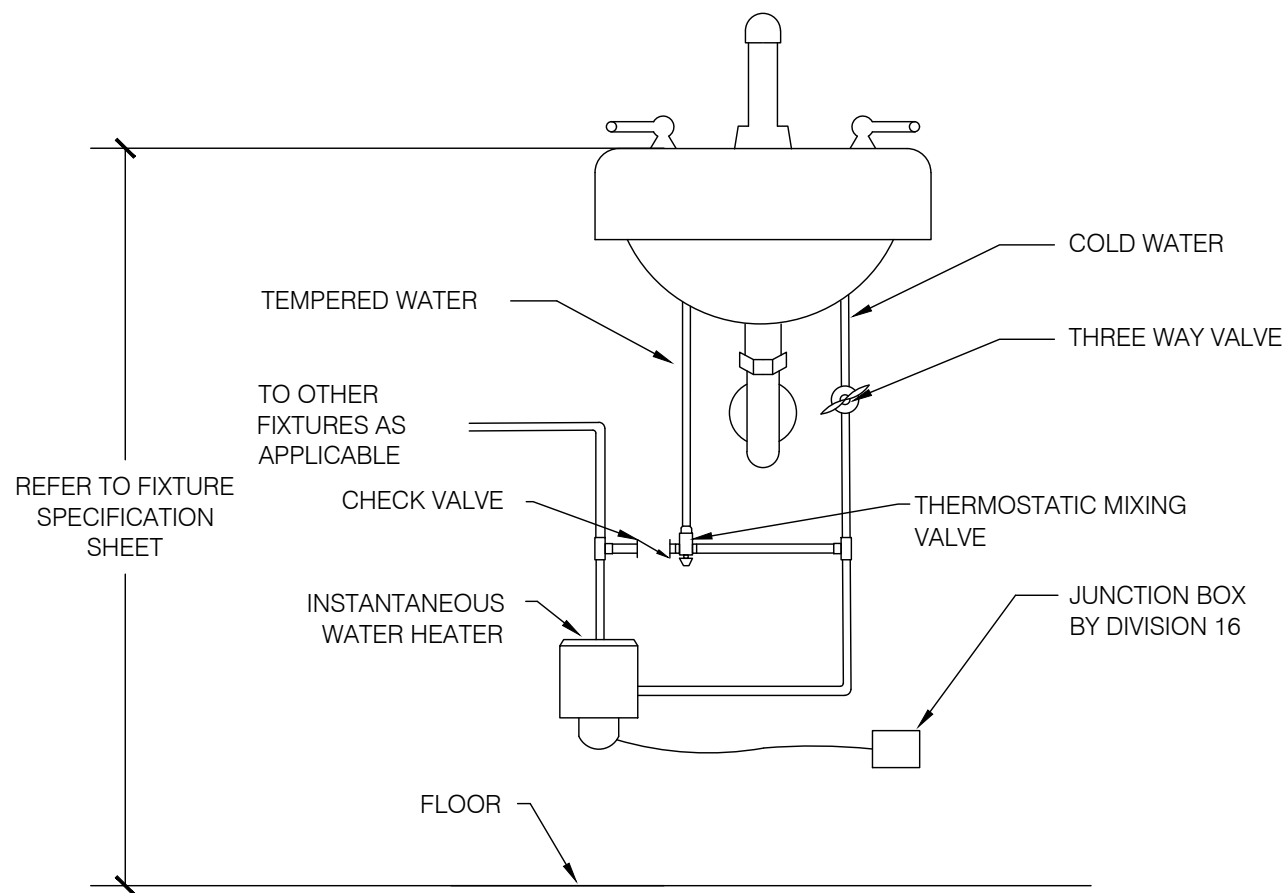
E101

PROFESSIONAL REGISTRATION

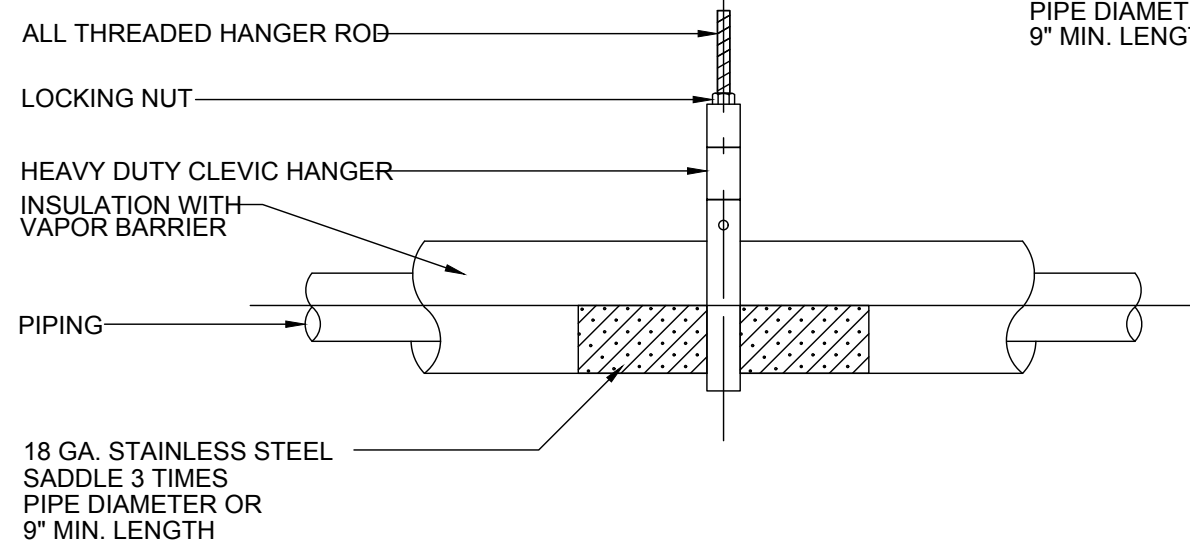
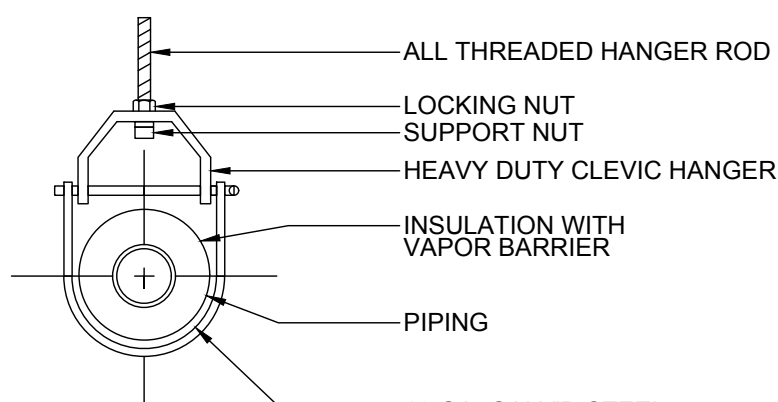
JAMES LAMB

PE52688

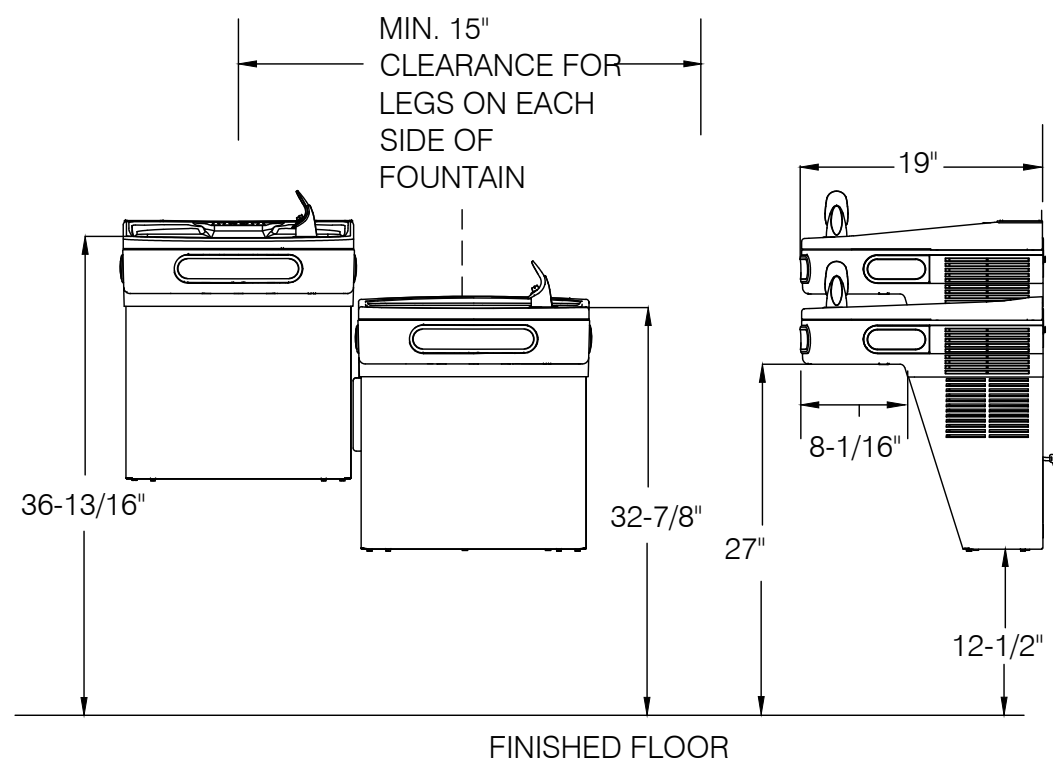
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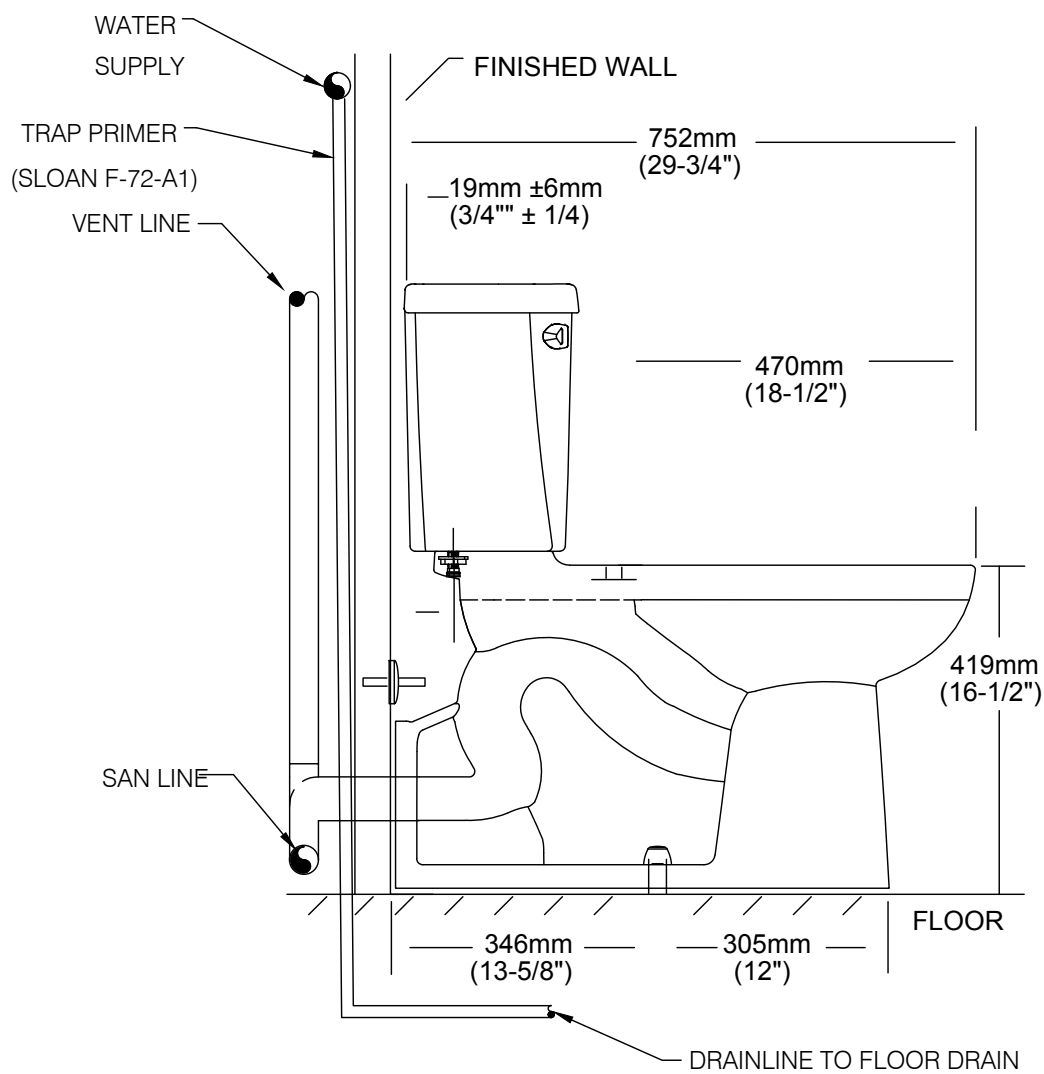
1 INSTANTANEOUS WATER HEATER DETAIL
SCALE:NONE



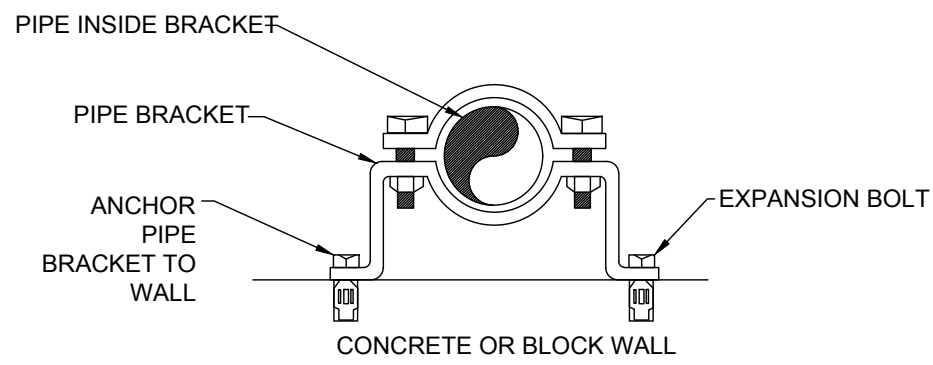
2 PIPE HANGERS
SCALE:NONE



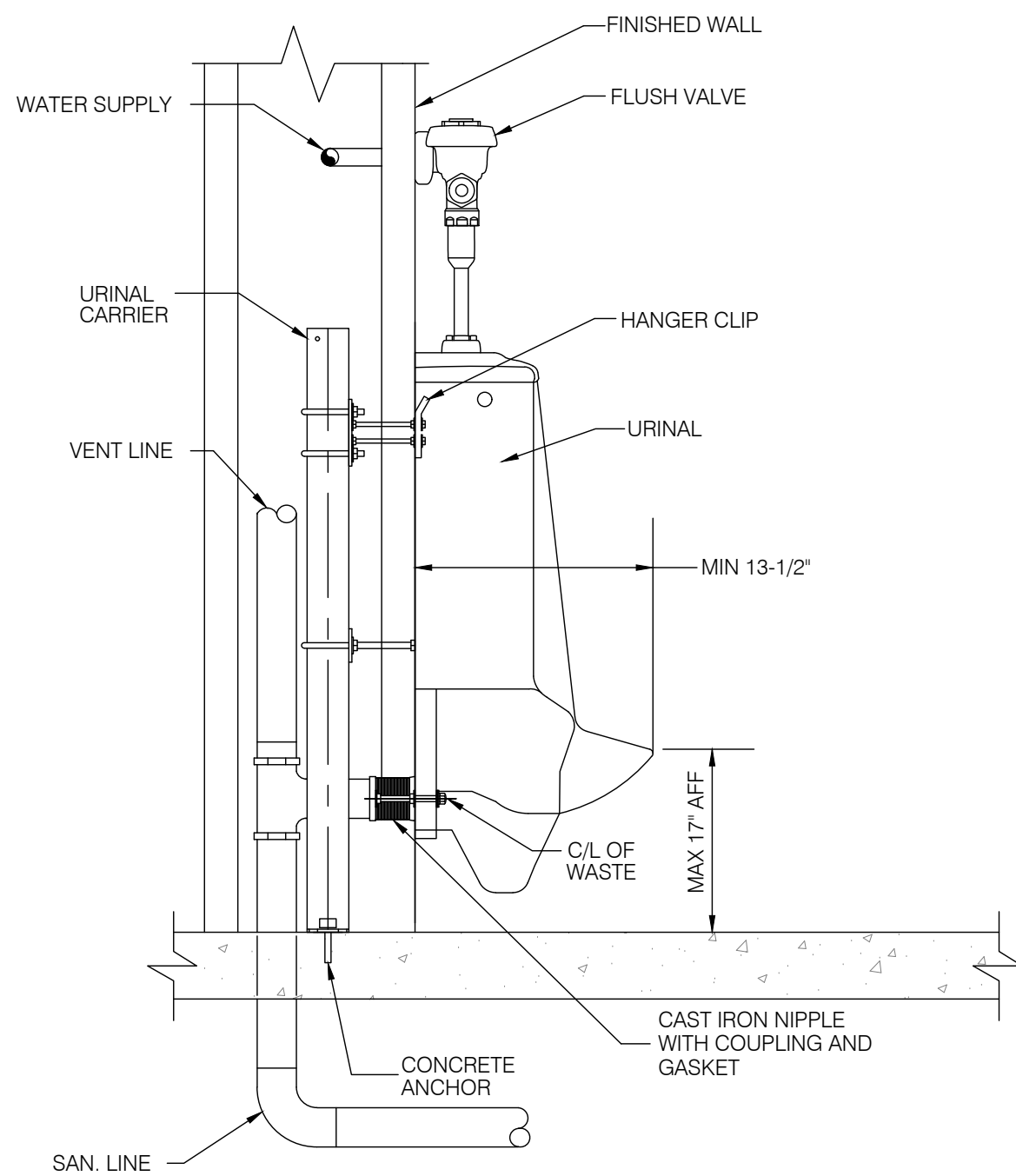
3 OUTDOOR WALL HUNG
ADA DRINKING FOUNTAIN
SCALE:NONE



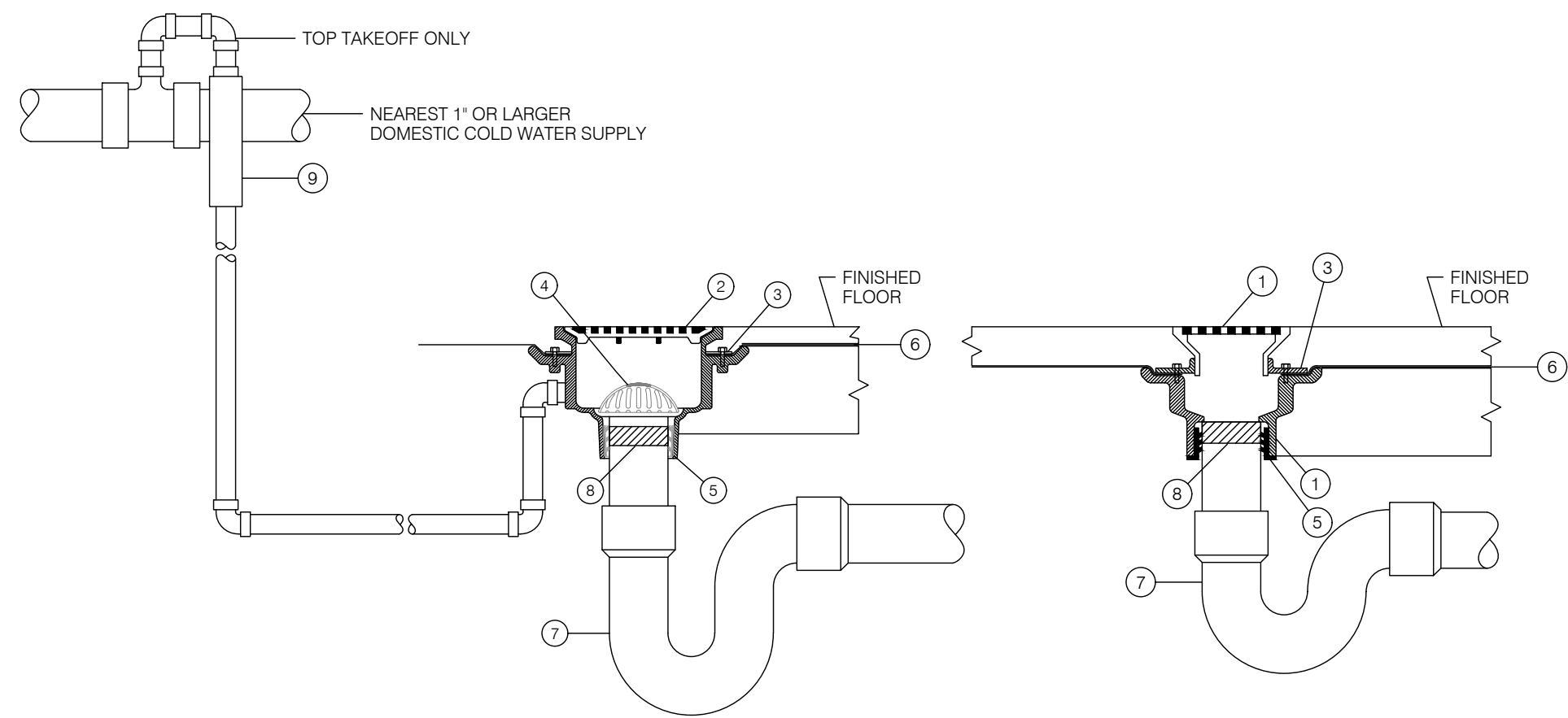
4 HANDICAPPED WATER CLOSET
SCALE:NONE



5 WALL SUPPORT DETAIL
SCALE:NONE



6 HANDICAPPED URINAL DETAIL
SCALE:NONE



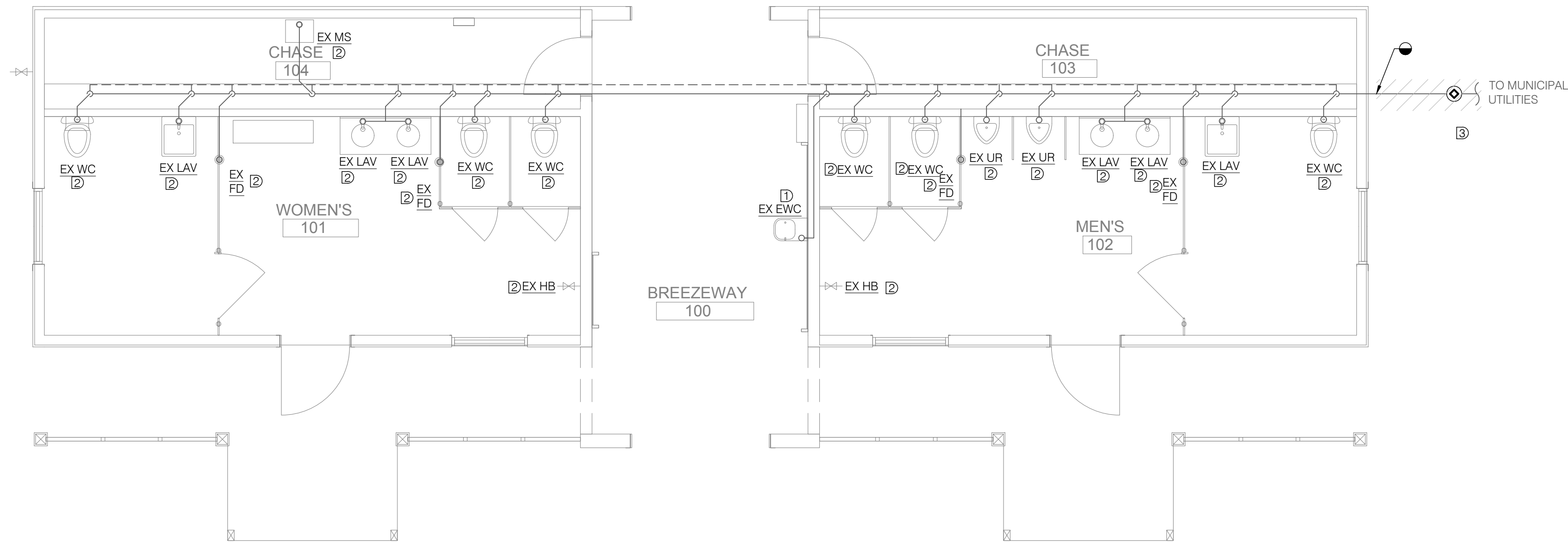
- KEY NOTES: (THIS DETAIL ONLY)
- 1 CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER TAP AND 3" OUTLET.
 - 2 CAST IRON FLOOR SINK WITH ACID RESISTING INTERIOR AND 1/2" TRAP PRIMER TAP AND 3" OUTLET.
 - 3 CAST IRON INVERTIBLE CLAMPING COLLAR.
 - 4 POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
 - 5 PUSH-ON NEOPRENE COMPRESSION GASKET.
 - 6 WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
 - 7 3" DEEP SEAL P-TRAP.
 - 8 INLINE 3" FLOOR DRAIN TRAP SEAL RUBBER SEALING GASKET. SURESEAL SS3009V OR APPROVED EQUAL. REFER TO MANUFACTURER FOR PROPER INSTALLATION RECOMMENDATIONS.
 - 9 PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.

7 FLOOR SINK AND FLOOR DRAIN
SCALE:NONE

PLUMBING FIXTURE SCHEDULE						
TYPE	MARK	FIXTURE DESCRIPTION	CW	HW	SAN	MFG:MODEL
LAVATORY - PUBLIC	LV	FROMNT MOUNT, 18x22 ADA COMPLIANT, STAINLESS STEEL LAVATORY, OFF-FLOOR WALL WASTE OUTLET.	1/2"	1/2"	2"	ACORN ENG.:1953
WATER CLOSET - PUBLIC FLUSH TANK	WC	WALL HUNG FLUSH TANK TYPE, 1.28 GPF WITH ELONGATED CHAIR HEIGHT, ADA COMPLIANT.	3/4"	-	3"	AMERICAN STANDARD: 2882107.020
FLOOR DRAIN	FD	TOP ASSEMBLY ADJUSTABLE FLOOR DRAIN, FLUSH WITH FLOOR AREA, CAST IRON BODY WITH BRONZE TOP SIPHONIC JET WALL MOUNTED URINAL, 0.5 TO 1 GPF URINAL WITH TOP SPUD, 3/4" SPUD CONNECTION FLUSH VALVE, FLUSH VALVE MODEL:K-76319-CP 1GPF VALVE CLIMATE KEY OPERATED WALL HYDRANT, CHROME PLATED, VACUUM BREAKER, 3/4" HOSE CONNECTION, 3/4" INLET AND 1" OUTLET CONNECTIONS; MAX OPERATING PRESSURE AT 125 PSI	3/4"	-	3"	ZURN: Z415M
HOSE BIB	HB	OUTDOOR RATED, BI-LEVEL WALL MOUNTED WITH BOTTLE FILLER, 8 GPH OF 50 DEGREE WATER IN 90 DEGREE ENVIRONMENT, ADA COMPLIANT, 575 RATED WATTS, 120V/1PZ, 5 FLA	3/4"	-	-	WATTS: HY-430
ELECTRIC WATER COOLER	EWC	POINT OF USE WATER HEATER, COLD WATER FEED WITH 110 DEGREE F. OUTPUT, WALL MOUNTABLE WITH WALL MOUNT BRACKET, 120V/1PZ, 12 AMP, 1.44 KW HEATING CAP	1/2"	1/2"	-	EEMAX: MINTANK EMT1

NEW FIXTURE UNIT CALCULATIONS										
FIXTURE TYPE	QUANTITY	COLD WATER FIXTURE UNITS		HOT WATER FIXTURE UNITS		COMBINED CW & HW		WASTE FIXTURE UNITS		WATER GPM
		FU EACH	CW FU	FU EACH	HW FU	COMBINED FU - EACH	TOTAL FU	FU EACH	TOTAL FU	
WATER CLOSET - PUBLIC FLUSH TANK	2	5.00	10	0	0	5.00	10	4.00	8	
LAVATORY - PUBLIC	2	1.50	3	1.5	3	2.00	4	1.00	2	
URINAL - PUBLIC FLUSH VALVE	2	5.00	10	0	0	5.00	10	4.00	8	
ELECTRIC WATER COOLER	1	0.25	0.25	0	0	0.25	0.25	0.50	0.5	
HOSEBIB	2	2.00	4	0	0	2.00	4	0.00	0	
FLOOR DRAIN	2	0.00	0	0	0	0.00	0	2.00	4	
TOTALS			27.25		3		28.25		22.5	21.5
			CW FU		HW FU		COMBINED FU		WASTE FU	WATER GPM

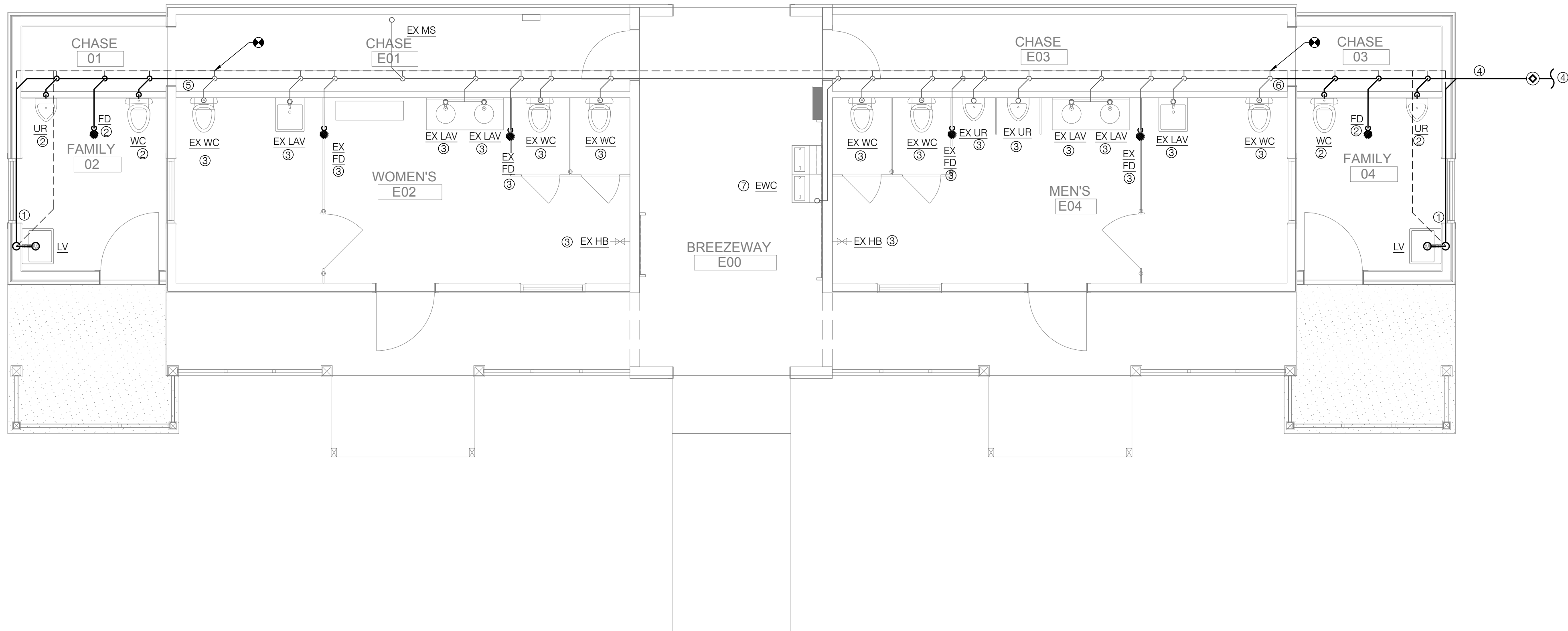
NEW BUILDING SERVICE PIPING		
TYPE	FU	SIZE
CW SERVICE	91.25	1-1/4"
SEWAGE	70.5	4"
REMARKS: EXISTING CW SHALL BE REPLACED FOR LARGER, 1-1/2", CW. BRING ANY ISSUES TO EOR.		



- DEMOLITION KEYED NOTES:**
- CAREFULLY REMOVE FIXTURE FOR REPLACEMENT . EXISTING PIPING SHALL REMAIN IN RENOVATION PHASE.
 - FIXTURE TO REMAIN, NO SCOPE.
 - DEMOLISH PIPING AND RELOCATE EXTERIOR CLEANOUT IN RENOVATION PHASE.

- GENERAL NOTE:**
- CONTRACTOR SHALL TV SCOPE AND LOCATE ALL PIPING WITHIN THE SYSTEM AS SHOWN TO UNDERSTAND THE INTERNAL CONDITION. ANY PIPING FOUND TO BE COMPROMISED BUT NOT SHOWN TO BE DEMOLISHED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER. THE CONTRACTOR SHALL THEN COORDINATE WITH THIS TEAM FOR THE EXACT LIMITS OF DEMOLITION. CONTRACTOR SHALL INFORM AND COORDINATE WITH THE TEAM PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
 - CONTRACTOR SHALL PROVIDE SURVEY OF EXISTING BUILDING DRAIN SYSTEM AND LOCATE THE EXACT INVERT OF THE SYSTEM PRIOR TO COMMENCEMENT OF WORK.

1 BATH HOUSE FLOOR PLAN - PLUMBING - DRAIN & VENT - DEMOLITION
SCALE: 1/4" = 1'-0"



- RENOVATION KEYED NOTES**
- ROUTE SANITARY TIGHT BELOW WALL LOUVER. 1-1/2" SANITARY DRAIN.
 - ROUTE SANITARY AND VENTING FROM BACK DISCHARGE FIXTURES WITHIN CHASE. 3" SANITARY DRAIN AND 2" VENT FROM FIXTURE.
 - FIXTURE SHALL REMAIN, NO SCOPE.
 - 4" SANITARY BUILDING DRAIN WITH EXTERIOR CLEANOUT. CONTINUE TO MUNICIPAL CONNECTION.
 - 3" SAN CONNECTION TO EXISTING AT APPROXIMATE LOCATION BELOW FINISHED FLOOR.
 - EXISTING 4" SAN CONNECTION TO NEW 4" SAN AT APPROXIMATE LOCATION.
 - RECONNECT EXISTING WATER COOLER CONNECTION TO NEW WATER COOLER IN RENOVATION.

- GENERAL NOTES**
- PLUMBING LINES WITHIN THE CHASE SHOULD BE SURFACE MOUNTED TO THE FACE OF STUDS AND NOT RUN THROUGH THE STUDS.
 - TIE NEW VENTING INTO EXISTING VENT LINE ABOVE CEILING OR WITHIN CHASE.

2 BATH HOUSE FLOOR PLAN - PLUMBING - DRAIN & VENT - RENOVATION
SCALE: 1/4" = 1'-0"



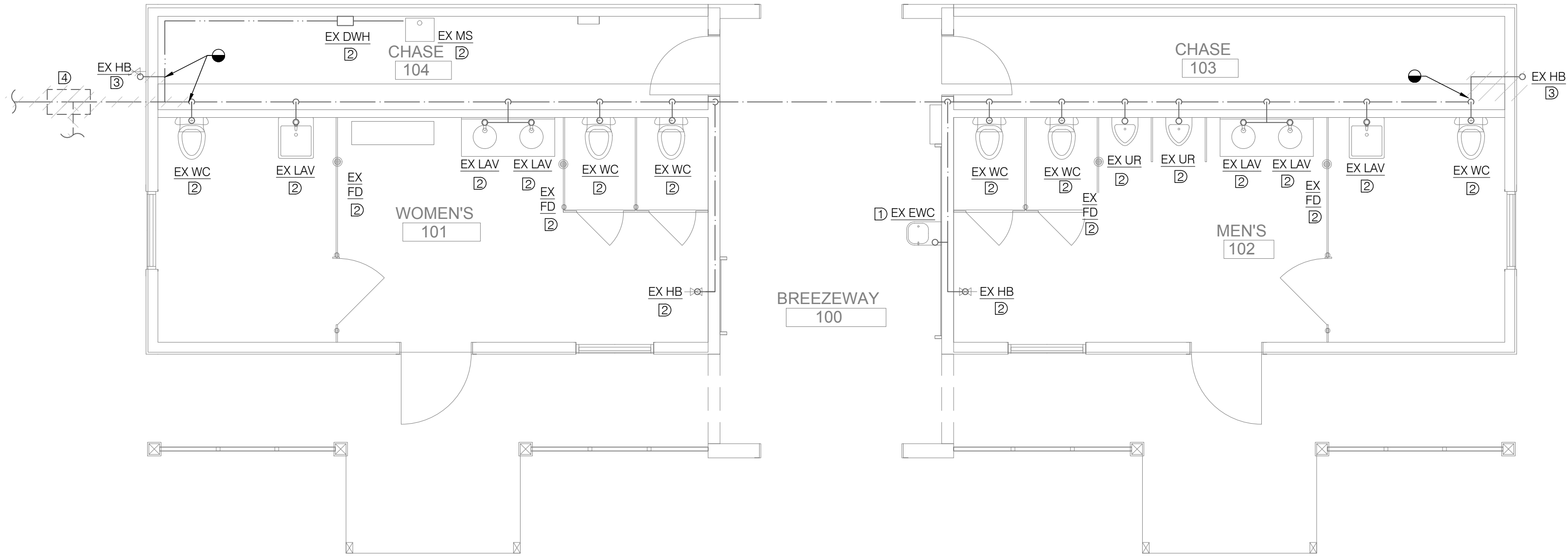
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DESIGNER: ROBERT E. GELHARDT DRAWN BY: REGII REVIEWED BY: REGII Consultant	ISSUE DATE: 07/15/2022 COMP. FILE NO.: STATE PROJECT NO.: 61354C	SYMBOL A B	REVISION 	DATE 	SYMBOL C D	REVISION 	DATE 	PROFESSIONAL REGISTRATION ROBERT E. GELHARDT II LICENSEE NO. 77568 STATE OF FLORIDA PROFESSIONAL ENGINEER Robert Gelhardt II, P.E. - FL 77568	PROJECT TITLE PONCE DE LEON SPRINGS STATE PARK BATH HOUSE FLOOR PLAN - PLUMBING - DRAIN & VENT RESTROOM ADDITIONS	SHEET TITLE P101	SHEET NO. P101

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Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

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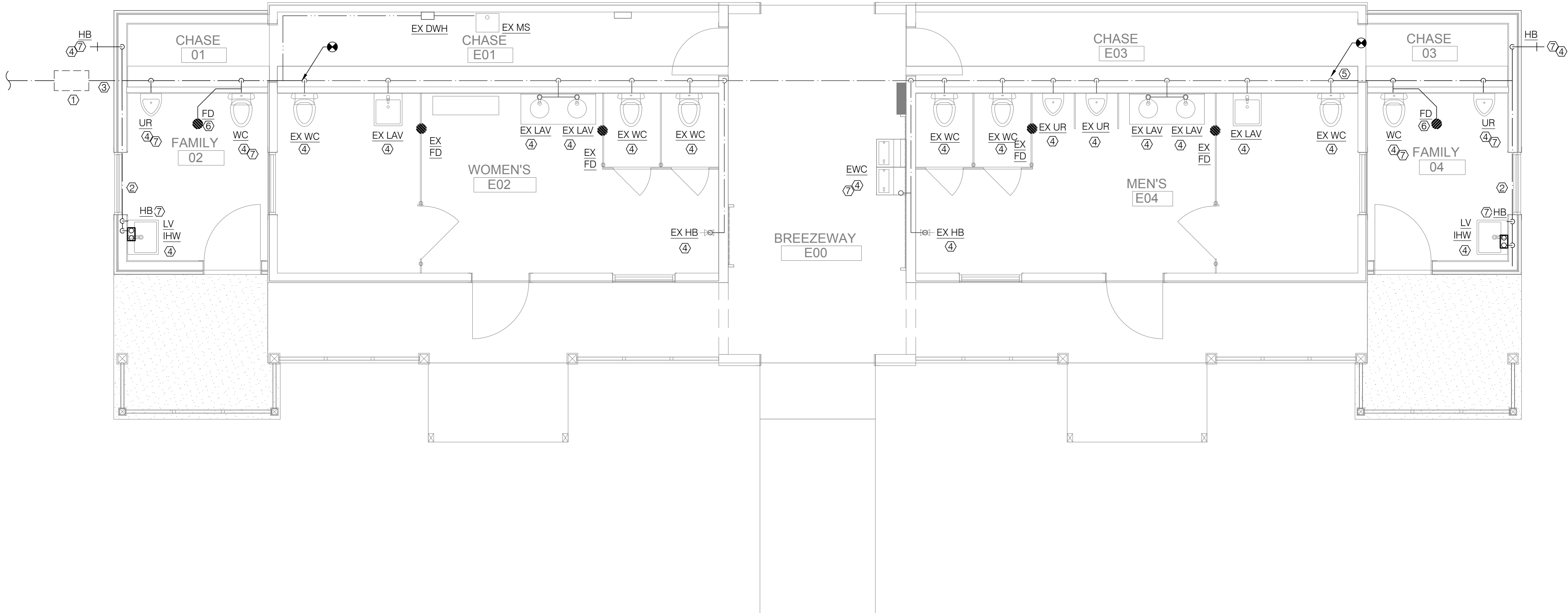


- DEMOLITION KEYED NOTES:

 - ① CAREFULLY REMOVE FIXTURE FOR REPLACEMENT. EXISTING PIPING SHALL REMAIN IN RENOVATION PHASE.
 - ② FIXTURE TO REMAIN, NO SCOPE.
 - ③ DEMOLISH FIXTURE AND PIPING UP TO FIXTURE IN DEMOLITION PHASE.
 - ④ VALVE BOX TO BE REMOVED AND STORED TO BE REUSED IN RENOVATION PHASE
- GENERAL NOTE:

 - 1. CONTRACTOR SHALL TV SCOPE AND LOCATE ALL PIPING WITHIN THE SYSTEM AS SHOWN TO UNDERSTAND THE INTERNAL CONDITION. ANY PIPING FOUND TO BE COMPROMISED BUT NOT SHOWN TO BE DEMOLISHED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER. THE CONTRACTOR SHALL THEN COORDINATE WITH THIS TEAM FOR THE EXACT LIMITS OF DEMOLITION. CONTRACTOR SHALL INFORM AND COORDINATE WITH THE TEAM PRIOR TO COMMENCEMENT OF DEMOLITION WORK. CONTRACTOR SHALL PROVIDE SURVEY OF EXISTING BUILDING COLD WATER SUPPLY ENTRANCE AND DISTRIBUTIONS.

1 BATH HOUSE FLOOR PLAN - PLUMBING - PRESSURE - DEMOLITION
SCALE: 1/4" = 1'-0"

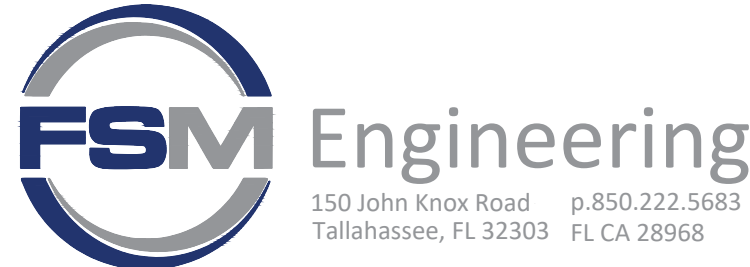


- RENOVATION KEYED NOTES

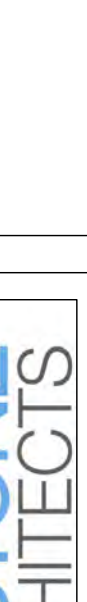
 - ① EXISTING VALVE BOX RELOCATED. EXACT LOCATION TO VERIFIED. REPLACE WITH NEW VALVES, FITTINGS ETC. IF NEEDED TO FIX FAILING EQUIPMENT.
 - ② 3/4" COLD WATER PIPE IN WALL BELOW LOUVER, ROUTE TO CHASE.
 - ③ 1-1/4" CW B.F.F.
 - ④ PROVIDE WATER HAMMER ARRESTOR ON NEW FIXTURES. FIELD VERIFY WATER HAMMER ARRESTORS ON EXISTING FIXTURES. BRING ANY ISSUES TO EOR. INSTALLATION SHALL MEET CODE.
 - ⑤ CONNECT 3/4" CW TO EXISTING COLD WATER SYSTEM.
 - ⑥ PROVIDE TRAP PRIMER TO FLOOR DRAIN FROM COLD WATER SERVING WATER CLOSET.
 - ⑦ PROVIDE SHUTOFF VALVE ON PIPE SERVING FIXTURE. REFER TO PLUMBING SCHEDULE FOR PIPE SIZE TO FIXTURE.
- GENERAL NOTES

 - 1) PLUMBING LINES WITHIN THE CHASE SHOULD BE SURFACE MOUNTED TO THE FACE OF STUDS AND NOT RUN THROUGH THE STUDS.

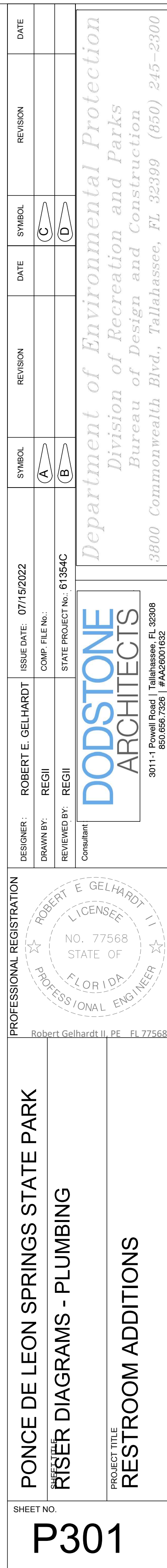
2 BATH HOUSE FLOOR PLAN - PLUMBING - PRESSURE - RENOVATION
SCALE: 1/4" = 1'-0"



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P102	SHEET NO.		PONCE DE LEON SPRINGS STATE PARK		PROFESSIONAL REGISTRATION						
	PROJECT TITLE		BATH HOUSE FLOOR PLAN - PLUMBING - PRESSURE		 Robert Gelhardt II, P.E. - FL 77568						
	PROJECT TITLE		RESTROOM ADDITIONS								
			DESIGNER: ROBERT E. GELHARDT		ISSUE DATE: 07/15/2022		SYMBOL		REVISION		DATE
		DRAWN BY: REGII		COMP. FILE NO.:		A		C			
		REVIEWED BY: REGII		STATE PROJECT NO.: 61354C		B		D			
		Consultant									
						 3011-1 Powell Road Tallahassee, FL 32308 850.656.7326 #AA292001632		 Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300			

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