

1 LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

LIFE SAFETY PLAN LEGEND

- FIRE EXTINGUISHER CABINET
- EXIT SIGN

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	2018 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 CONSISTS OF LOAD BEARING MASONRY UP TO THE WINDOW SILL, WOOD FRAME ABOVE. THE EXISTING ROOF CONSISTS OF A WOOD PLANK DECK INSTALLED OVER WOOD RAFTERS.

OCCUPANCY CLASSIFICATION:
CAMP RESTROOM AND BATH HOUSE
U: UTILITY & MISCELLANEOUS

ALTERATION LEVEL III ALTERATION
EXISTING BUILDING AREA: 650 SF
AREA OF BUILDING TO REMAIN THE SAME
UNOCCUPIED BUILDING
OCCUPANCY LOAD REMAINS UNCHANGED BY RENOVATION.

FIRE SEPARATION DISTANCE:
CLOSEST BUILDING IS MORE THE 60 FT AWAY
PER TABLE 602, NO REQUIRED RATING ON EXTERIOR WALL

STRUCTURAL SYSTEM:
EXISTING STRUCTURAL SYSTEM TO REMAIN UNCHANGED EXCEPT FOR THE FOLLOWING:
BEAM SUPPORTING EAVE EXTENSION OVER ENTRANCE DOORS REMOVED TO PROVIDE REQUIRED HEAD HEIGHT CLEARANCE. EXISTING RAFTERS REINFORCED SO THEY CAN HANDLE THE INCREASE IN CANTILEVER. SEE DETAIL 5/A301

BUILDING VENTILATION:
EXISTING BUILDING IS NATURALLY VENTILATED. VENTILATION SYSTEM REMAINS THE SAME.

MALTESE CROSS:
EXISTING MALTESE CROSS WITH 'R' TO REMAIN. SEE EXTERIOR ELEVATIONS.

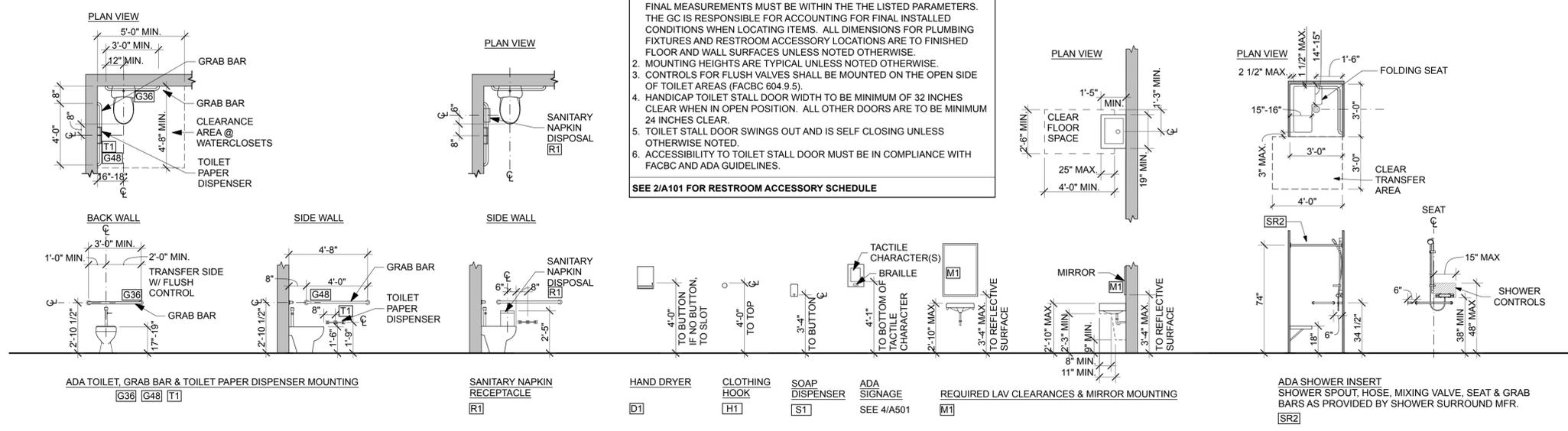
FIRE EXTINGUISHER:
PROVIDE RECESSED CABINET w/ SOLID DOOR AND TYPE A, RED LETTERING IN ALUMINUM (AL24090R4) BY LARSEN MANUFACTURING COMPANY OR ARCHITECT APPROVE EQUAL. PROVIDE AN MP10 FIRE EXTINGUISHER (4A-80B-C). INSTALL SO EXTINGUISHER HANDLED IS 48" AFF.

EXISTING BUILDING HAS BEEN TESTED FOR HAZARDOUS MATERIALS. REPORTS ARE INCLUDED IN THE ADDENDUM OF THE SPECIFICATIONS.

GENERAL NOTES

- PER FBC-A, 2020, ANY DIMENSION PROVIDED AS A RANGE IS 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.

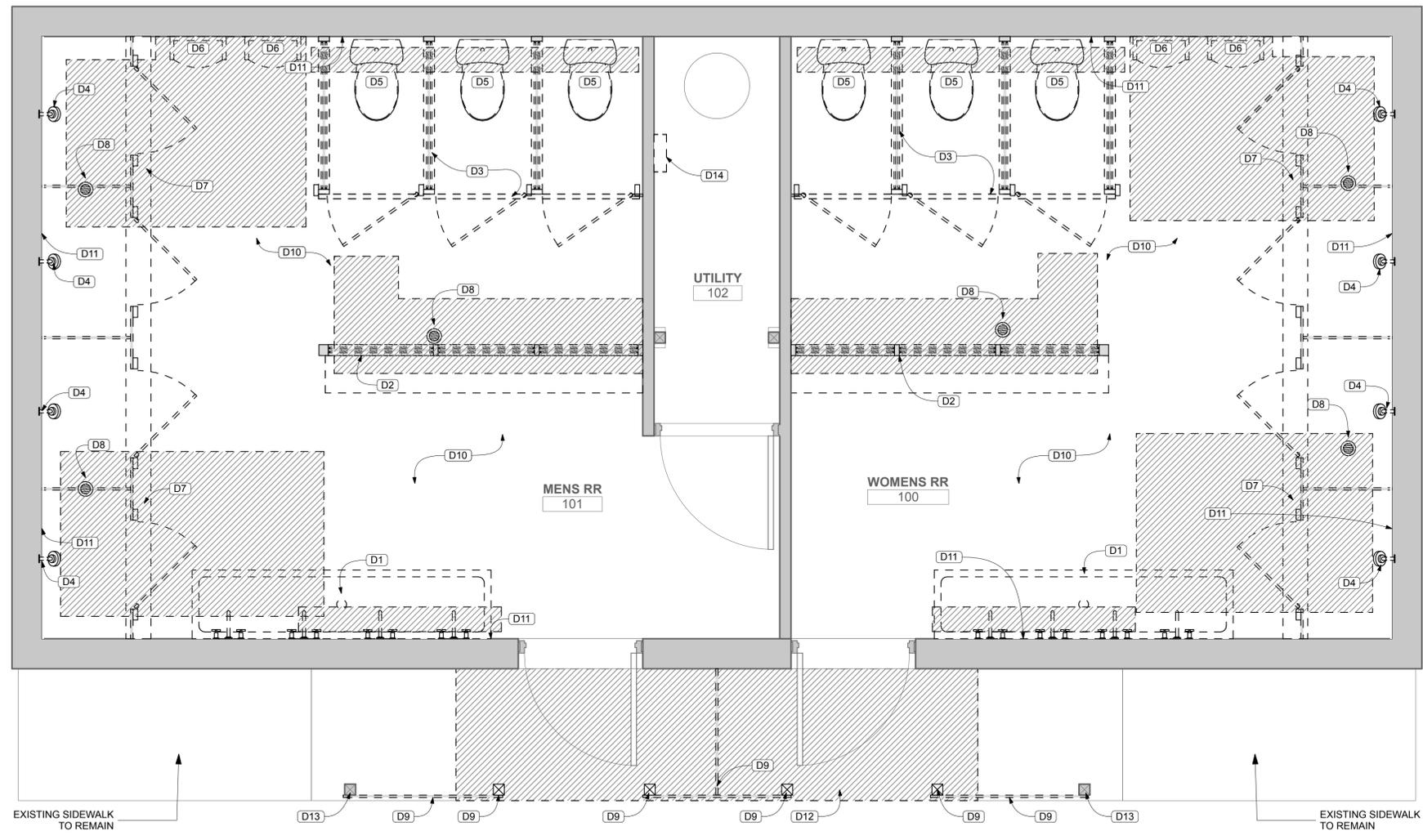
SEE 2/A101 FOR RESTROOM ACCESSORY SCHEDULE



2 ADA COMPLIANCE DETAILS
SCALE: 1/4" = 1'-0"

DATE	REVISION	SYMBOL	DATE	REVISION	SYMBOL	ISSUE DATE: 2/15/2022	DESIGNER: JODIE DODSON	PROFESSIONAL REGISTRATION
						COMP. FILE NO.:	DRAWN BY: KZ, JIM	JOEL DODSON AR0015211
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							Consultant:	
DODSTONE ARCHITECTS Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300								
O'LENO STATE PARK LIFE SAFETY PLAN MIDDLE CAMPGROUND BATHHOUSE RENO.								
SHEET NO.								LS001

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



NOTE:
EXTENT OF THE FLOOR DEMOLITION IS A MINIMUM. EXISTING CONDITION OF SLAB ON GRADE TO BE REVIEWED w/ EPOXY INSTALLER AFTER EXISTING TILE HAS BEEN REMOVED. REMOVE AND RE POUR ADDITIONAL AREAS REQUIRED TO ASSURE THE FINISHED EPOXY FLOOR WILL DRAIN TO THE FLOOR DRAINS w/ ALL STORES NOT EXCEEDING 1/8" PER FOOT FOR ADA COMPLIANCE.

LEGEND

- ASSUMED AREAS WHERE SLAB WILL NEED TO BE REMOVED TO ACCESS BELOW GRADE UTILITY LINES. ADJUST AS NEEDED. KEEP CUT LINES PARALLEL TO EXTERIOR WALLS. SEE DETAILS 5/A501 AND 7/A501.
- EXISTING WALLS TO REMAIN
- ELEMENTS TO BE DEMOLISHED
- DEMOLITION KEYNOTE

#	DEMOLITION KEYNOTES LEGEND:
D1	REMOVE EXISTING SINKS, SOAP DISPENSERS, FAUCETS, AND MIRRORS ALONG WITH ALL ASSOCIATED ATTACHMENT DEVICES. PREP WALL AS REQUIRED TO RECEIVE FINAL FINISHES. REPAIR ANY RESULTING DAMAGE OR VOIDS TO MATCH ADJACENT SURFACES.
D2	REMOVE EXISTING DIVIDER PANELS AND BENCH, ALONG WITH ANY ASSOCIATED ATTACHMENT DEVICES, INCLUDING ANY WOOD TRIM AT WALL AND BEAMS SUPPORTING ONLY THE PARTITIONS.
D3	REMOVE ALL EXISTING TOILET PARTITION PANELS ALONG WITH ANY ASSOCIATED ATTACHMENT DEVICES RESTROOM ACCESSORIES AND BEAM SUPPORTING ONLY THE PARTITIONS. REMOVE WOOD TRIM AT WALL.
D4	REMOVE EXISTING SHOWER HEADS, WALL TILE, FLOOR TILE AND ASSOCIATED MASTIC ALONG LENGTH OF WALL. REMOVE 2X4 TRIM BELOW OPENINGS ALONG LENGTH OF WALL. PREP WALL AS REQUIRED TO RECEIVE FINAL FINISHES. REPAIR ANY RESULTING DAMAGE OR VOIDS TO MATCH ADJACENT SURFACES. REPAIR ANY WOOD ROT OR MOISTURE DAMAGE TO MATCH EXISTING.
D5	REMOVE EXISTING TOILET AND ALL ASSOCIATED GRAB BARS AND RESTROOM ACCESSORIES.
D6	REMOVE EXISTING URINAL.
D7	REMOVE ALL EXISTING SHOWER PARTITION PANELS ALONG WITH ANY ASSOCIATED ATTACHMENT DEVICES, INCLUDING WOOD TRIM AT WALL AND BEAMS CARRYING ONLY THE PARTITION LOAD. REMOVE EXISTING CURB AND FLOOR TILE.
D8	REMOVE FLOOR SLAB TO EXTENTS SHOWN AND AS REQUIRED TO REMOVE EXISTING FLOOR DRAIN, BUT NOT LESS THAN 16"X16", CENTERED AROUND DRAIN. REMOVE FLOOR SLAB AS REQUIRED TO REMOVE DRAIN AND DRAIN LINE AND ANY OTHER UNDERGROUND LINES INDICATED ON THE PLUMBING DRAWINGS TO BE REMOVED. SEE PLUMBING DRAWINGS. KEEP EDGES OF DEMOLITION NEAT, STRAIGHT, AND PARALLEL TO THE EXISTING WALLS.
D9	REMOVE EXISTING POSTS AND PANELING AS REQUIRED TO PROVIDE ADA ACCESS PER PLAN. SHORE ROOF AS REQUIRED. REMOVE EXISTING BEAM ABOVE TO THE EXTENT SHOWN. REMOVE EXISTING POST BASE ANCHORS AND PATCH CONCRETE AS REQUIRED TO MATCH EXISTING. SEE 5 & 7/A501.
D10	REMOVE ALL FLOOR TILE AND COVE BASE ALONG w/ ALL ASSOCIATED MASTICS DOWN TO THE ORIGINAL CONCRETE SLAB. REPAIR ANY RESULTING DAMAGE OR VOIDS TO MATCH ADJACENT SURFACES. PREP THE EXISTING CONCRETE AS RECOMMENDED BY THE EPOXY FLOORING MANUFACTURER. REMOVE ALL DIRT, SCALE, LOOSE MATERIALS, AND GREASE. GRIND AND/OR LEVEL FLOOR TO CREATE A UNIFORM FINISH. INSTALL LEVELING GROUT TOP COAT. ENSURE ADA COMPLIANT SLOPE (MAXIMUM CROSS-SLOPE OF 1:50). PROVIDE POSITIVE DRAINAGE TO NEW FLOOR DRAINS.
D11	REMOVE EXISTING 2X4 TOP RAIL BELOW OPENINGS. REPAIR ANY WOOD ROT OR MOISTURE DAMAGE. REPAIR ANY RESULTING DAMAGE OR VOIDS TO MATCH ADJACENT SURFACES. PREP WALL AS REQUIRED TO RECEIVE FINAL FINISHES.
D12	REMOVE EXISTING CONCRETE SLAB AT ENTRANCES WHERE NEW CONCRETE WALKWAY IS LOCATED.
D13	EXISTING POST TO REMAIN.
D14	REMOVE EXISTING ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS.

2 DEMOLITION KEYNOTES:

1. ALL NOTES AND DETAILS SHOULD BE CONSIDERED TYPICAL UNLESS OTHERWISE NOTED.
2. UNLESS OTHERWISE NOTED, PATCH ALL EXISTING FINISHES AFFECTED BY THE WORK TO MATCH ADJACENT SURFACES.
3. 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.
4. DEMOLITION AS REQUIRED TO ACCESS THE PLUMBING AND/OR ELECTRICAL LINES IS INCLUDED IN THE PROJECT SCOPE. UNLESS OTHERWISE NOTED, REMOVE ALL DEMOLISHED MATERIALS AND WASTE FROM THE PREMISES AND DISPOSE OF IN A LEGAL FASHION.
5. SEE FINISH SCHEDULE FOR ALL INTERIOR FINISHES.
6. CONTRACTOR TO FIELD VERIFY ALL AS-BUILT AND AS COMPLETED DIMENSIONS PRIOR TO PURCHASING AND PRIOR TO INSTALLING MATERIALS.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. PAINT ANY WALL WHERE TOUCH-UP PAINT IS REQUIRED CORNER-TO-CORNER SO A CONSISTENT FINISH IS ACHIEVED.
13. WHERE ANY EXISTING ITEMS ARE CALLED TO BE REMOVED AND OR RELOCATED, ALL RESULTING VOIDS SHOULD BE PATCHED TO MATCH ADJACENT CONSTRUCTION.
14. TURN OVER ALL FIXTURES, ACCESSORIES, ETC. TO THE PARK STAFF THAT ARE INDICATED TO BE REMOVED TO THE OWNER FOR THEIR REUSE UNLESS DIRECTED BY THEM TO LEGALLY DISPOSE OF THEM. ANY AND ALL COPPER PIPE AND/OR TUBING REMOVED DURING DEMOLITION SHALL BE TURNED OVER TO PARK STAFF. 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.
15. CONTRACTOR TO VERIFY DEPTH OF EXISTING INVERTS OF SEPTIC SYSTEM AND THAT ADEQUATE DROP IS AVAILABLE PRIOR TO INSTALLING ANY NEW PLUMBING LINES. NOTIFY THE ARCHITECT OF ANY POTENTIAL CONFLICTS WITH THE NEW LAYOUT AND THE EXISTING CONDITIONS.
16. REMOVE ALL EXISTING WALL TILE AND ASSOCIATED MASTIC. REMOVE ALL FLOOR TILE, AND SETTING BED. REPAIR ANY DAMAGED SUBSTRATES TO MATCH EXISTING. PREP SURFACES AS REQUIRED TO RECEIVE SCHEDULED FINISHES.

3 GENERAL NOTES

DATE		REVISION		SYMBOL		DATE		REVISION		SYMBOL	
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PROFESSIONAL REGISTRATION											
JOEL DODSON AR0015211											
<p style="font-size: small;">O'LENO STATE PARK DEMOLITION PLAN MIDDLE CAMPGROUND BATHHOUSE RENO.</p>											
<p style="font-size: small;">SHEET NO. AD101</p>											

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Division of Recreation and Parks
Bureau of Design and Construction
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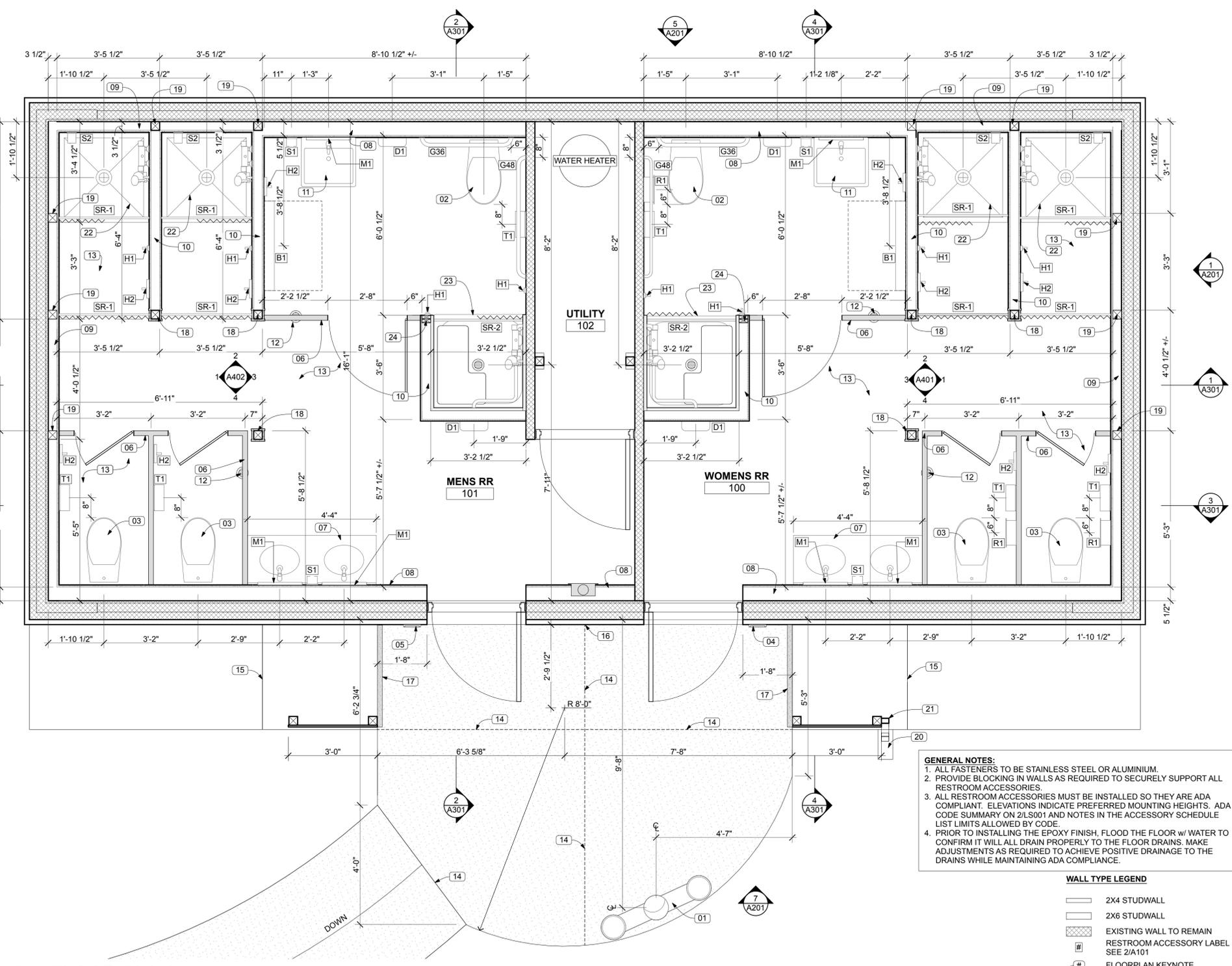
DODSTONE ARCHITECTS

- # KEYNOTE LEGEND**
- HIGH-LOW WATER FOUNTAIN W/ BOTTLE FILLER. INSTALL AS REQUIRED FOR ADA COMPLIANCE. SEE PLUMBING DRAWINGS.
 - INSTALL NEW ADA COMPLIANT TOILET FIXTURE. PROVIDE ALL NECESSARY VALVES/ CONNECTIONS/HANGERS FOR A COMPLETE, CODE COMPLIANT AND WATER TIGHT CONNECTION. SEE PLUMBING DRAWINGS. PATCH WALL AND FLOOR TO MATCH ADJACENT CONSTRUCTION AND PREP AS REQUIRED FOR SCHEDULED FINISHES.
 - INSTALL A NEW TOILET FIXTURE. PROVIDE ALL NECESSARY VALVES/CONNECTIONS FOR A COMPLETE, CODE COMPLIANT, AND WATERTIGHT CONNECTION. SEE PLUMBING DRAWINGS. PATCH WALL AND FLOOR TO MATCH ADJACENT CONSTRUCTION AND FINISHES.
 - INSTALL NEW ADA COMPLIANT WOMEN'S RESTROOM SIGN w/ SANS SERIF FONT. BROWN BACKGROUND w/ WHITE LETTERING. HC300 SERIES BY BEST MANUFACTURING SIGN SYSTEMS, OR DEP/ARCHITECT APPROVED EQUAL. FOR ADA COMPLIANCE SEE 1/LS001. SEE 4/A501 FOR INSTALLATION DETAIL.
 - INSTALL NEW ADA COMPLIANT MEN'S RESTROOM SIGN WITH SANS SERIF FONT. BROWN BACKGROUND WITH WHITE LETTERING. HC300 SERIES BY BEST MANUFACTURING SIGN SYSTEMS, OR DEP/ARCHITECT APPROVED EQUAL. FOR ADA COMPLIANCE SEE 1/LS001. SEE 4/A501 FOR INSTALLATION DETAIL.
 - INSTALL NEW CEILING HUNG SOLID PLASTIC TOILET PARTITIONS. DOORS INTO ADA STALL TO BE 32" CLEAR WHEN OPEN. ALL OTHER DOORS TO BE 24" WIDE. CONNECT TO NEW OVERHEAD BEAM AS RECOMMENDED BY THE MANUFACTURER.
 - INSTALL NEW SINK/COUNTERTOP SO TOP OF SINK IS 2'-10" MAX ABOVE THE FINISHED FLOOR. PROVIDE ALL NECESSARY VALVES AND CONNECTIONS FOR A CODE COMPLIANT AND WATERTIGHT ASSEMBLY. SEE PLUMBING DRAWINGS. PATCH ANY RESULTING VOIDS TO MATCH ADJACENT SURFACES. APPLY SEALANT BETWEEN COUNTER AND WALL. COLOR TO MATCH BACKSPASH. SEE DETAIL 3/A501.
 - FURR OUT WALL BELOW SCREENED OPENINGS w/ KILN DRIED PT 2x6. SHEATH ALL EXPOSED EDGES WITH 5/8" CEMENTITIOUS BOARDS. SEE DETAIL 8/A301. PREP ALL JOINTS AS REQUIRED TO RECEIVE FINAL FINISHES. CONCEAL PLUMBING AND ELECTRICAL CONDUIT WITH WALL WHERE LINES PENETRATE ABOVE THE WALL. ALIGN LINES WITH POSTS BETWEEN SCREENED OPENINGS. EXTEND ANY ELECTRICAL BOXES WITHIN THE EXISTING WALL TO FACE OF THE NEW WALL.
 - FURR OUT WALL BELOW SCREENED OPENINGS w/ KILN DRIED PT 2x4. SHEATH ALL EXPOSED EDGES WITH 5/8" CEMENTITIOUS BOARDS. SEE DETAIL 8/A301. PREP ALL JOINTS AS REQUIRED TO RECEIVE FINAL FINISHES. CONCEAL PLUMBING AND ELECTRICAL CONDUIT WITH WALL WHERE LINES PENETRATE ABOVE THE WALL. ALIGN LINES WITH POSTS BETWEEN SCREENED OPENINGS. EXTEND ANY ELECTRICAL BOXES WITHIN THE EXISTING WALL TO FACE OF THE NEW WALL.
 - NEW KILN-DRIED PT 2x4 STUD WALL SHEATHED WITH 5/8" CEMENT BOARD ON EITHER SIDE. PREP WALL AS REQUIRED FOR SCHEDULED FINISHES. SEE DETAIL 7/A301.
 - INSTALL NEW SINK SO TOP OF SINK IS 2'-10" ABOVE THE FINISHED FLOOR. PROVIDE ALL NECESSARY VALVES AND CONNECTIONS FOR A CODE COMPLIANT AND WATERTIGHT ASSEMBLY. SEE PLUMBING DRAWINGS. PATCH ANY RESULTING VOIDS TO MATCH ADJACENT CONSTRUCTION.
 - NEW DRAIN. REPOUR CONCRETE SO IT SLOPES 1/8" PER 12" TO DRAIN. COORDINATE WITH PLUMBING TO ESTABLISH HEIGHT OF DRAIN. SEE PLUMBING DRAWINGS. SEE DETAIL 5/A401.
 - INFILL SLABS REMOVED DURING DEMOLITION. SLOPE NEW SLABS TO DRAIN @ 1/8" PER FOOT MAX. SEE DETAILS 5 & 7/ A501 AND 5/A401.
 - 1/4" CONTROL JOINT IN NEW CONCRETE SLAB. SEE CIVIL DRAWINGS. PROVIDED TURNED DOWN EDGE PER DETAIL 6/A501 AROUND EXPOSED PERIMETER EDGES.
 - GRIND EXISTING SIDEWALK AS REQUIRED TO ELIMINATE POTENTIAL TRIP HAZARD. TRANSITION BETWEEN SIDEWALKS SHOULD BE FLUSH EXCEPT WHERE OTHERWISE NOTED.
 - INSTALL 1/2" EXPANSION JOINT BETWEEN NEW CONCRETE SLAB AND THE EXISTING BUILDING.
 - PAINT RISER AND 2" STRAIGHT STRIP ALONG EDGE SAFETY YELLOW.
 - 4x4 KILN DRIED PT COLUMN, 7'-4-3/4" TALL. WRAP IN CEMENTITIOUS TRIM WHERE EXPOSED TO VIEW (SIMILAR TO DETAIL 6/A102)
 - 4x4 KILN DRIED PT COLUMN, 7'-4-3/4" TALL. CONCEAL WITHIN FURRED WALL BELOW WINDOW SILL. WRAP IN CEMENTITIOUS TRIM WHERE EXPOSED TO VIEW. (SIMILAR TO DETAIL 6/A102)
 - SET CONCRETE GUTTER BLOCK BELOW NEW DOWNSPOUT. SLOPE TO DIRECT WATER AWAY FROM THE BUILDING.
 - NEW ALUMINIUM 4x4 DOWNSPOUT. COLOR TO MATCH EXISTING DOWNSPOUTS.
 - INSTALL NEW SHOWER PAN. SEE 6/A401. SEE PLUMBING DRAWINGS. APPLY FRP PANELS TO WALLS TO MINIMIZE THE NUMBER OF JOINTS WITHIN THE SHOWER AREA.
 - INSTALL NEW ADA SHOWER INSERT. MODEL LSS4238A5T BY BEST BATH SYSTEMS OR APPROVED EQUAL. WHITE. INCLUDE GRAB BAR, FOLDING SEAT, MIXING VALVE, PRESSURE BALANCED LEVER HANDLE, SOAP DISH, AND T-SHAPED RUBBER WATER STOPPER KIT. INSTALL AS RECOMMENDED BY THE MANUFACTURER FOR FULL ADA COMPLIANCE. SEE PLUMBING DRAWINGS AND 6/A401.
 - PROVIDE DOUBLE STUD TO PICK UP BEAM ABOVE. COVER END OF WALL w/ 4/4 x 6 CEMENTITIOUS TRIM.

1 FLOOR PLAN KEYNOTES

TAG	DESCRIPTION	MFR.	MODEL	NOTE
G36	36" LONG GRAB BAR	AJW	UG30-A36	1-1/2" DIAMETER SS GRAB BAR w/ EXPOSED FLANGE. PROVIDE BLOCKING IN WALL AS RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED SO BARS CAN RESIST A MINIMUM OF 250 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 GRAB BAR w/ EXPOSED FLANGE. PROVIDE BLOCKING IN WALL AS RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED SO BARS CAN RESIST A MINIMUM OF 250 LBS. EXERTED HORIZONTALLY OR VERTICALLY. INSTALL SO CENTERLINE IS 34.5" A.F.F.
H1	COLLAPSABLE HOOK	AJW	US19	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR ADA COMPLIANCE. CENTERLINE OF HOOK MUST NOT BE MORE THAN 48" A.F.F.
H2	MOBILE DEVICE HOLDER & HOOK	BOBRICK	B-625	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR ADA COMPLIANCE.
M1	18" X 30" MIRROR	AJW	U711 18"x30"	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.
S2	SOAP DISH WITH DRAIN HOLES	BRADLEY	9051	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR AN ADA COMPLIANT INSTALLATION. TOP OF PLATE MUST NOT BE MORE THAN 48" A.F.F.
SR-1	SHOWER ROD & CURTAIN W/ HOOKS	AJW	ROD - UX1B-42"; CURTAIN - UX250-42"; HOOKS - UX169 7 HOOKS	1" DIAMETER ROD w/ FLANGE. PROVIDE BLOCKING WITHIN WALLS. INSTALL 74" A.F.F. EQUIP w/ ANTIMICROBIAL VINYL SHOWER CURTAIN AND SHOWER CURTAIN HOOK
SR-2	SHOWER ROD & CURTAIN W/ HOOKS	AJW	ROD - UX1B-36"; CURTAIN - UX250-36"; HOOKS - UX169 6 HOOKS	1" DIAMETER ROD w/ FLANGE. PROVIDE BLOCKING WITHIN WALLS. INSTALL 74" A.F.F. EQUIP w/ ANTIMICROBIAL VINYL SHOWER CURTAIN AND SHOWER CURTAIN HOOK
T1	TOILET TISSUE DISPENSER	AJW	U804	SURFACE MOUNTED STANDARD DOUBLE ROLL TOILET PAPER DISPENSER. INSTALL SO CENTERLINE OF SPINDLE IS 1'-9" A.F.F.
B1	BABY CHANGING STATION	AJW	U944	SURFACE MOUNT AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED FOR ADA COMPLIANCE. INSTALL SO THAT TOP OF UNIT CLOSED IS 48" A.F.F. INSTALL BLOCKING IN WALL AND FASTEN UNIT TO WALL SO UNIT IS CAPABLE OF SUPPORTING 200 LBS.
D1	HAND DRYER	WORLD DRYER	VERDEdri	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.
R1	SANITARY NAPKIN DISPOSAL	BOBRICK	B-5270	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. INSTALL SO TOP OF UNIT IS 2'-5" A.F.F.

2 ACCESSORY SCHEDULE



3 FLOOR PLAN

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

ROOM NO.	ROOM NAME	FLOOR		WALL		CEILING	NOTES
		FINISH	BASE	MATERIAL	FINISH		
100	WOMEN'S RR	EPOXY	EPOXY	CEMENT BOARD	FRP	ETR	1,3,4
101	MEN'S RR	EPOXY	EPOXY	CEMENT BOARD	FRP	ETR	1,3,4
102	UTILITY	EPOXY	EPOXY	ETR	PAINT	ETR	2

- SCHEDULED NOTES:**
- SEE ELEVATION FOR WALL FINISH TRANSITION.
 - PATCH ANY VOIDS IN WALL AND CONCRETE SLAB TO MATCH EXISTING MATERIALS AND FINISH.
 - CONTRACTOR TO VERIFY MOISTURE CONTENT OF NEW AND EXISTING CONCRETE FLOORS PRIOR TO INSTALLATION OF FLOORING SYSTEM. DO NOT INSTALL IF OUTSIDE OF MANUFACTURER'S RECOMMENDATIONS. APPLY LEVELING GROUT TOP COAT OVER CONCRETE SLAB FLOOR. INCLUDE ADDITIVES AS REQUIRED TO ASSURE BOND TO CONCRETE AND TO EPOXY. ADJUST DEPTH AS REQUIRED FOR ADA ACCESS @ EXTERIOR DOORS. SLOPE TO DRAINS. MAX SLOPE TO BE 1/8" PER FOOT. VERIFY COMPATIBILITY OF ALL MATERIALS.
 - SEE INTERIOR ELEVATIONS FOR LOCATION OF JOINTS BETWEEN FRP PANELS. LOCATIONS OF JOINTS MUST BE COORDINATED WITH WALL MOUNTED ELEMENTS.

4 FINISH SCHEDULE

SCALE: 1" = 1'-0"

- GENERAL NOTES:**
- ALL FASTENERS TO BE STAINLESS STEEL OR ALUMINIUM.
 - PROVIDE BLOCKING IN WALLS AS REQUIRED TO SECURELY SUPPORT ALL RESTROOM ACCESSORIES.
 - ALL RESTROOM ACCESSORIES MUST BE INSTALLED SO THEY ARE ADA COMPLIANT. ELEVATIONS INDICATE PREFERRED MOUNTING HEIGHTS. ADA CODE SUMMARY ON 2/LS001 AND NOTES IN THE ACCESSORY SCHEDULE LIST LIMITS ALLOWED BY CODE.
 - PRIOR TO INSTALLING THE EPOXY FINISH, FLOOD THE FLOOR w/ WATER TO CONFIRM IT WILL ALL DRAIN PROPERLY TO THE FLOOR DRAINS. MAKE ADJUSTMENTS AS REQUIRED TO ACHIEVE POSITIVE DRAINAGE TO THE DRAINS WHILE MAINTAINING ADA COMPLIANCE.

WALL TYPE LEGEND

- 2X4 STUDWALL
- 2X6 STUDWALL
- EXISTING WALL TO REMAIN
- RESTROOM ACCESSORY LABEL SEE 2/A101
- FLOORPLAN KEYNOTE

- ABBREVIATIONS:**
 ETR = EXISTING TO REMAIN
 FRP = FIBERGLASS REINFORCED PANEL
- SAMPLES:**
 THE FOLLOWING FINISH SAMPLES SHALL BE MADE IN A SINGLE SUBMISSION TO THE OWNER & ARCHITECT FOR REVIEW: FRP PANELS, EPOXY FLOORING, TOILET PARTITIONS, SOLID SURFACE COUNTERTOPS, & PAINT COLORS.
- COLOR SCHEDULE:**
 FRP = TO BE SELECTED FROM SUBMITTAL OF MANUFACTURER'S FULL COLOR RANGE
 EPOXY = TO BE SELECTED FROM SUBMITTAL OF MANUFACTURER'S FULL COLOR RANGE. SEE SPECIFICATIONS. MULTIPLE TOP-COAT REQUIRED SO FLOOR TEXTURE DOESN'T DESTROY MOPS.
 TRIM = MATCH EXISTING
 EXTERIOR PANELING = MATCH EXISTING
 TOILET PARTITION = TO BE SELECTED FROM SUBMITTAL OF MANUFACTURER'S FULL COLOR RANGE
 COUNTERTOP = TO BE SELECTED FROM SUBMITTAL OF MANUFACTURER'S FULL COLOR RANGE
 ALL OTHER INTERIOR ITEMS = MATCH EXISTING

DATE: _____ REVISION: _____ SYMBOL: _____ DATE: _____ REVISION: _____ SYMBOL: _____

ISSUE DATE: 2/15/2022 COMP. FILE NO.: _____ STATE PROJECT NO.: 61281

DESIGNER: JODIE DODSON DRAWN BY: KZ, JIM REVIEWED BY: JD

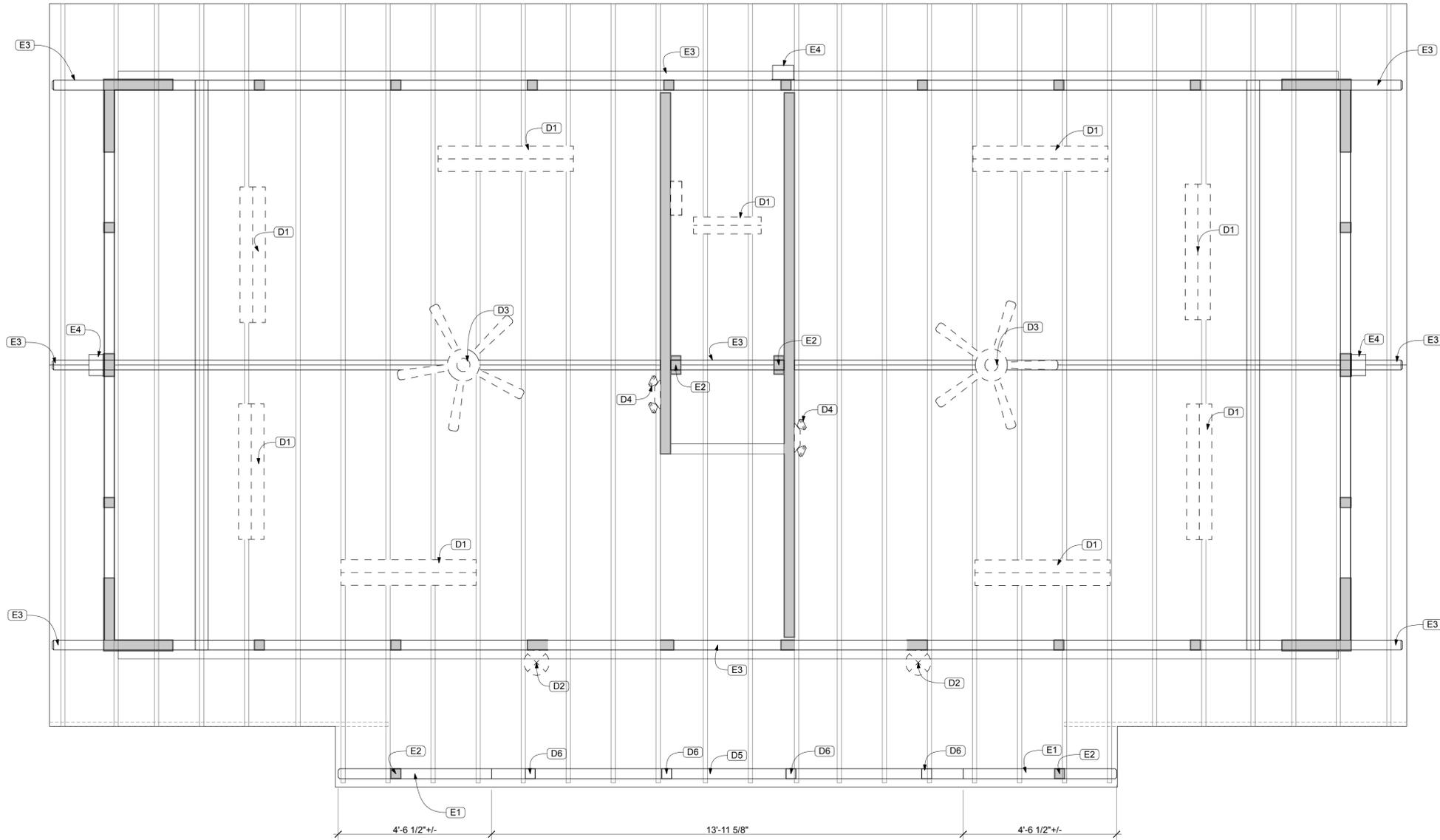
PROFESSIONAL REGISTRATION: JOEL DODSON AR0015211

O'LENO STATE PARK
 ENLARGED FLOORPLAN
 PROJECT TITLE: MIDDLE CAMPGROUND BATHHOUSE RENO.

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

SHEET NO. **A101**



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

LEGEND

	CEILING-MOUNTED FIXTURE
	CEILING-MOUNTED FIXTURE
	EMERGENCY LIGHT
	CEILING FAN

2 RCP LEGEND (DEMO)
SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

#	DESCRIPTION
E1	PORTION OF EXISTING BEAM TO REMAIN.
E2	EXISTING COLUMN TO REMAIN.
E3	EXISTING BEAM TO REMAIN.
E4	EXISTING WALL MOUNTED LIGHT FIXTURE TO REMAIN. SEE ELECTRICAL DRAWINGS.

3 RCP NOTES (EXISTING)

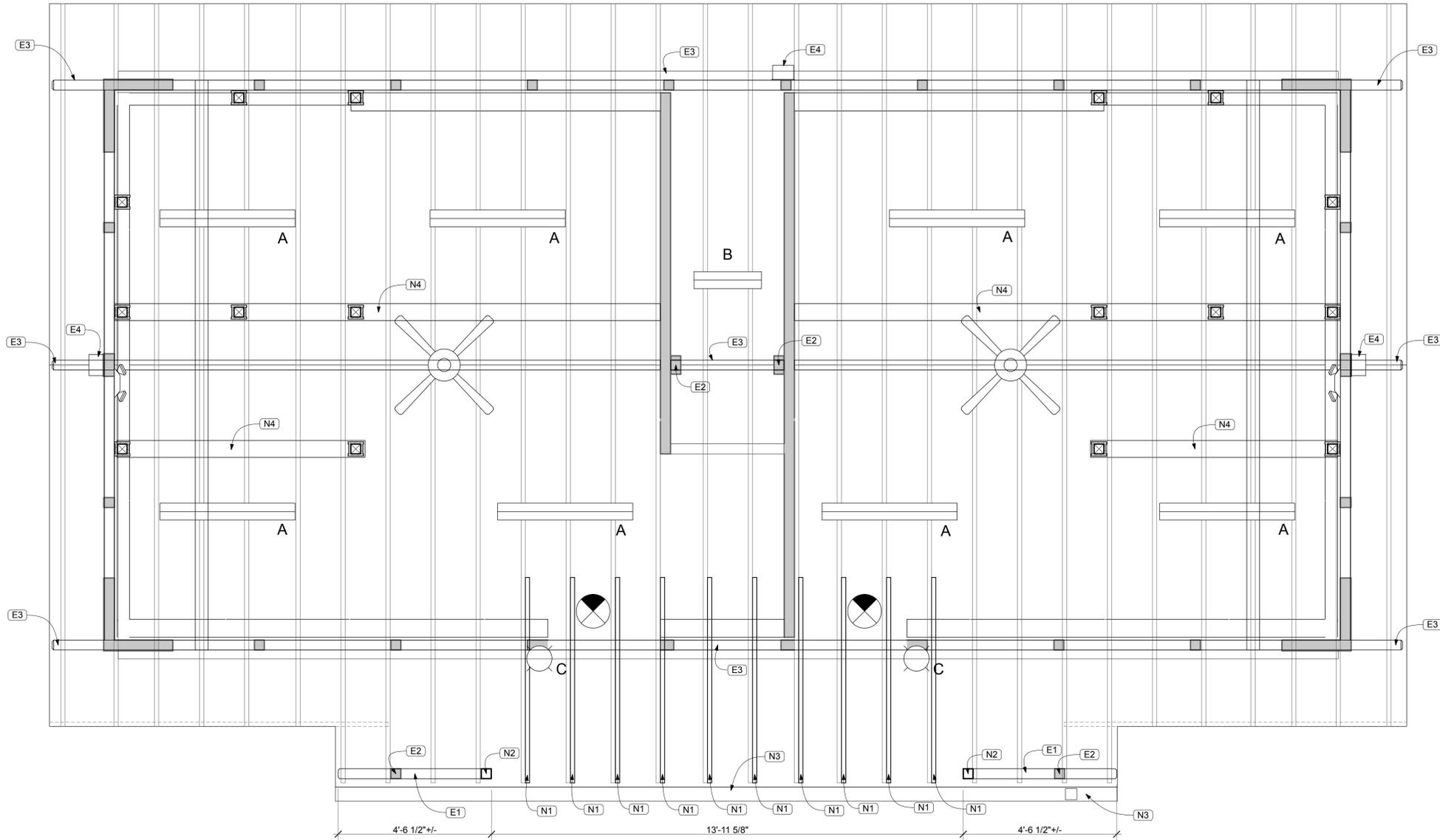
#	DESCRIPTION
D1	REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED ATTACHMENT DEVICES. SEE ELECTRICAL DRAWINGS. REMOVE WALL MOUNTED LIGHT FIXTURE AND ALL ASSOCIATED ATTACHMENT DEVICES. INFILL ANY VOIDS WITH EXTERIOR GRADE PAINTED WOOD PUTTY. SEE ELECTRICAL DRAWINGS.
D2	REMOVE EXISTING CEILING FAN AND ALL ASSOCIATED ATTACHMENT DEVICES.
D3	REMOVE EXISTING EMERGENCY PACKS AND ALL ASSOCIATED ATTACHMENT DEVICES. SEE ELECTRICAL DRAWINGS.
D4	REMOVE EXISTING BEAM. SHORE ROOF AS REQUIRED.
D5	REMOVE EXISTING COLUMN. SHORE STRUCTURE ABOVE AS REQUIRED.
D6	REMOVE EXISTING COLUMN. SHORE STRUCTURE ABOVE AS REQUIRED.

4 RCP NOTES (DEMO)

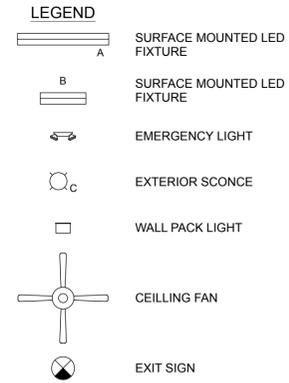
- ALL NOTES AND DETAILS SHOULD BE CONSIDERED TYPICAL UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED, PATCH ALL EXISTING FINISHES AFFECTED BY THE WORK TO MATCH ADJACENT SURFACES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NECESSARY PLUMBING AND ELECTRICAL COMPONENTS TO PROVIDE 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.
- DEMOLITION AS REQUIRED TO ACCESS THE PLUMBING AND/OR ELECTRICAL LINES IS INCLUDED IN THE PROJECT SCOPE. 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.
- WHERE ANY EXISTING ITEMS ARE CALLED TO BE REMOVED AND OR RELOCATED, ALL RESULTING VOIDS SHOULD BE PATCHED TO MATCH ADJACENT CONSTRUCTION.
- TURN OVER ALL FIXTURES, ACCESSORIES, ETC. TO THE PARK STAFF THAT ARE INDICATED TO BE REMOVED TO THE OWNER FOR THEIR REUSE UNLESS DIRECTED BY THEM TO LEGALLY DISPOSE OF THEM. ANY AND ALL COPPER PIPE AND/OR TUBING REMOVED DURING DEMOLITION SHALL BE TURNED OVER TO PARK STAFF. 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.
- CONTRACTOR TO VERIFY DEPTH OF EXISTING INVERTS OF SEPTIC SYSTEM AND THAT ADEQUATE DROP IS AVAILABLE PRIOR TO INSTALLING ANY NEW PLUMBING LINES. NOTIFY THE ARCHITECT OF ANY POTENTIAL CONFLICTS WITH THE NEW LAYOUT AND THE EXISTING CONDITIONS.
- REMOVE ALL EXISTING WALL TILE AND ASSOCIATED MASTIC. REMOVE ALL FLOOR TILE, AND SETTING BED. REPAIR ANY DAMAGED SUBSTRATES TO MATCH EXISTING. PREP SURFACES AS REQUIRED TO RECEIVE SCHEDULED FINISHES.

5 GENERAL NOTES

DATE	REVISION	SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION
<p>PROFESSIONAL REGISTRATION</p> <p>DESIGNER: JODIE DODSON DRAWN BY: KZ, JIM REVIEWED BY: JD</p> <p>ISSUE DATE: 2/15/2022 COMP. FILE NO.: STATE PROJECT NO.: 61281</p> <p>JOEL DODSON AR0015211</p>				<p>DODSTONE ARCHITECTS</p> <p>Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32309 (850) 245-2300</p>			
<p>O'LENO STATE PARK</p> <p>REFLECTED CEILING PLANS - DEMO</p> <p>MIDDLE CAMPGROUND BATHHOUSE RENO.</p>				<p>AD102</p>			



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



2 RCP LEGEND
SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

#	DESCRIPTION
E1	PORTION OF EXISTING BEAM TO REMAIN.
E2	EXISTING COLUMN TO REMAIN.
E3	EXISTING BEAM TO REMAIN.
E4	EXISTING WALL MOUNTED LIGHT FIXTURE TO REMAIN. SEE ELECTRICAL DRAWINGS.

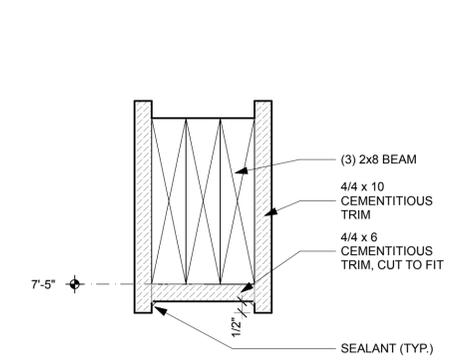
3 RCP NOTES (EXISTING)

#	DESCRIPTION
N1	NEW RAFTER SCABBED ONTO EXISTING RAFTER, SEE DETAIL 5/A301.
N2	NEW COLUMN. SEE DETAIL 6/A102.
N3	NEW 5" x 5" ALUMINUM GUTTER. SEE 2/A501. COLOR TO MATCH EXISTING GUTTERS. SLOPE GUTTER TO 4"x4" ALUMINUM DOWNSPOUT AT WEST END.
N4	TRIPLE 2x8 BEAM WRAPPED IN CEMENTITIOUS TRIM. SUPPORT ON NEW COLUMNS BELOW AND/OR USING STAINLESS STEEL HANGER WHERE AGAINST THE EXISTING CMU WALL. BEAM CARRIES WEIGHT OF THE TOILET PARTITIONS BELOW. SEE DETAIL 5/A102.

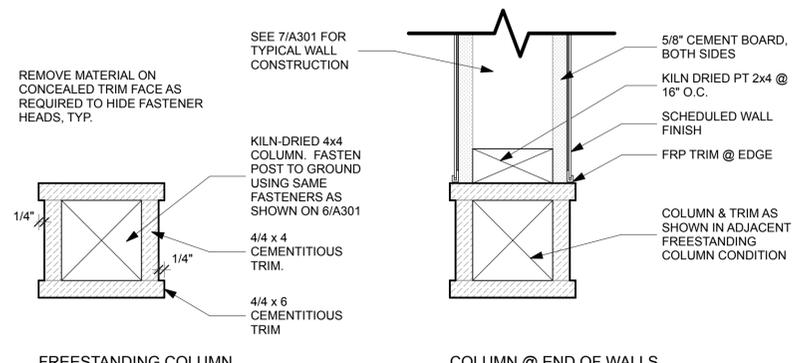
4 RCP NOTES (NEW)

GENERAL RCP NOTES:

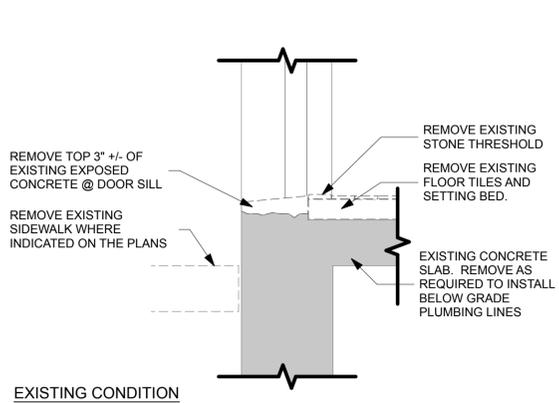
- WALLS SHOWN GRAY FOR CLARITY
- SEE ELECTRICAL DRAWINGS FOR RCP LEGEND ELEMENTS
- ANY DISCREPANCY BETWEEN ELECTRICAL DRAWINGS & ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.



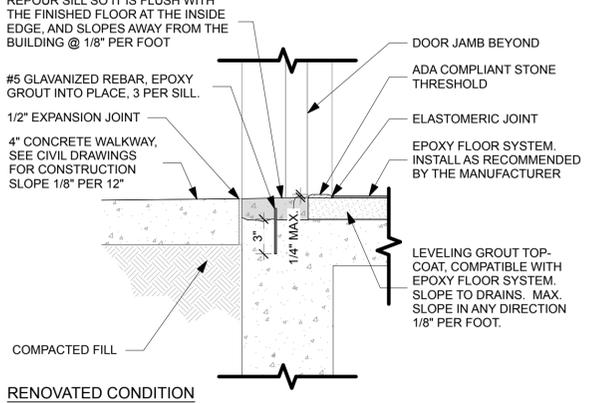
5 BEAM DETAIL
SCALE: 3" = 1'-0"



6 INTERIOR COLUMNS
SCALE: 3" = 1'-0"



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



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DODSTONE ARCHITECTS
 CONSULTANT

REVISION	SYMBOL	DATE	REVISION	SYMBOL	DATE

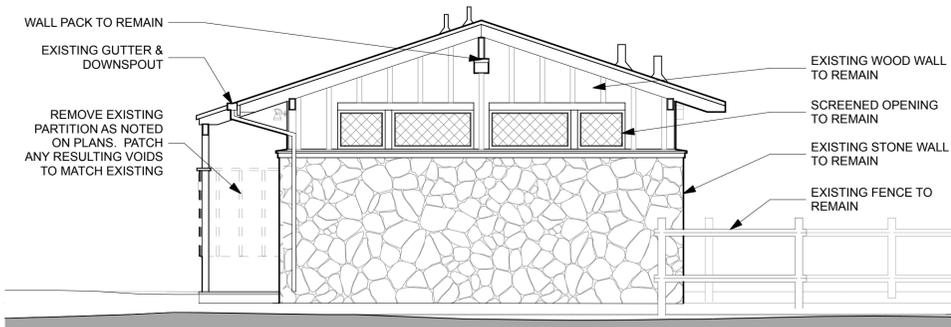
DESIGNER: JODIE DODSON
 DRAWN BY: KZ, JIM
 REVIEWED BY: JD
 CONSULTANT:

ISSUE DATE: 2/15/2022
 COMP. FILE NO.:
 STATE PROJECT NO.: 61281

PROFESSIONAL REGISTRATION
 JOEL DODSON AR0015211

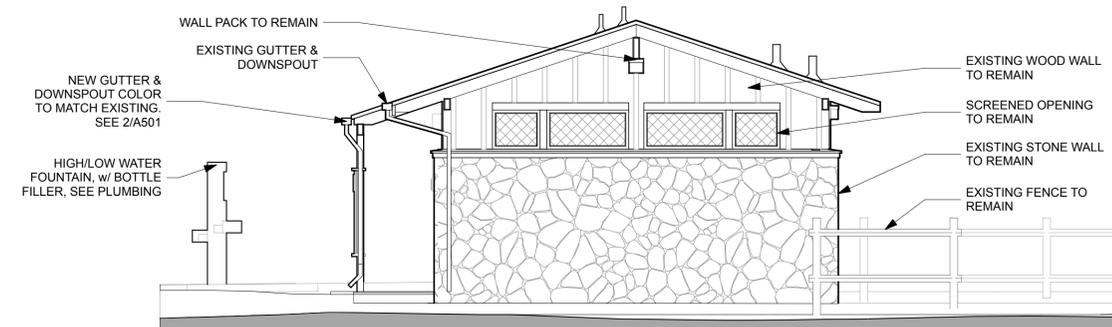
OLENO STATE PARK
REFLECTED CEILING PLAN
 PROJECT TITLE
MIDDLE CAMPGROUND BATHHOUSE
 RENO.

A102

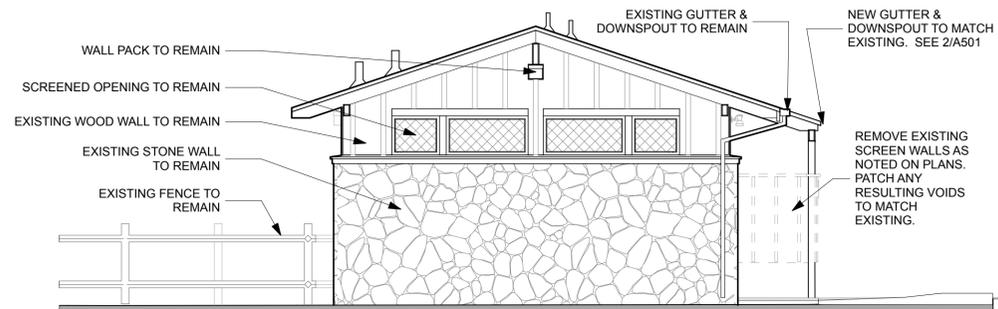


1 RIGHT ELEVATION - EXISTING
SCALE: 1/4" = 1'-0"

FOR TYPICAL NOTES SEE:7/A201

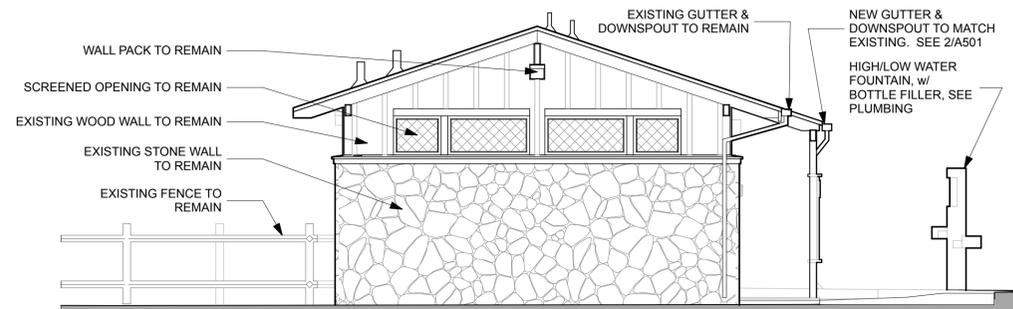


2 RIGHT ELEVATION - NEW
SCALE: 1/4" = 1'-0"

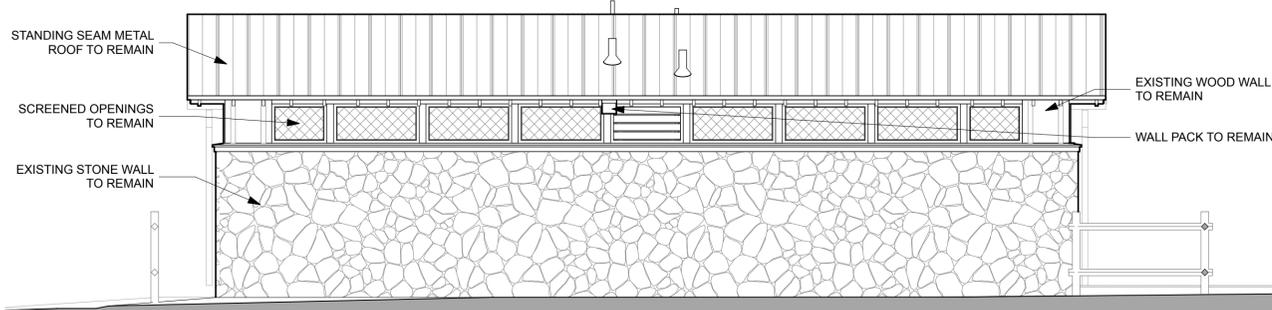


3 LEFT ELEVATION - EXISTING
SCALE: 1/4" = 1'-0"

FOR TYPICAL NOTES SEE:7/A201

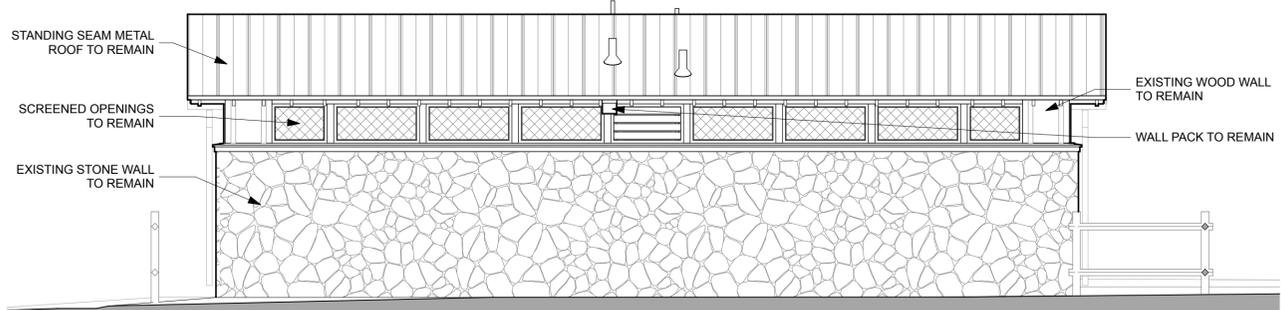


4 LEFT ELEVATION - NEW
SCALE: 1/4" = 1'-0"

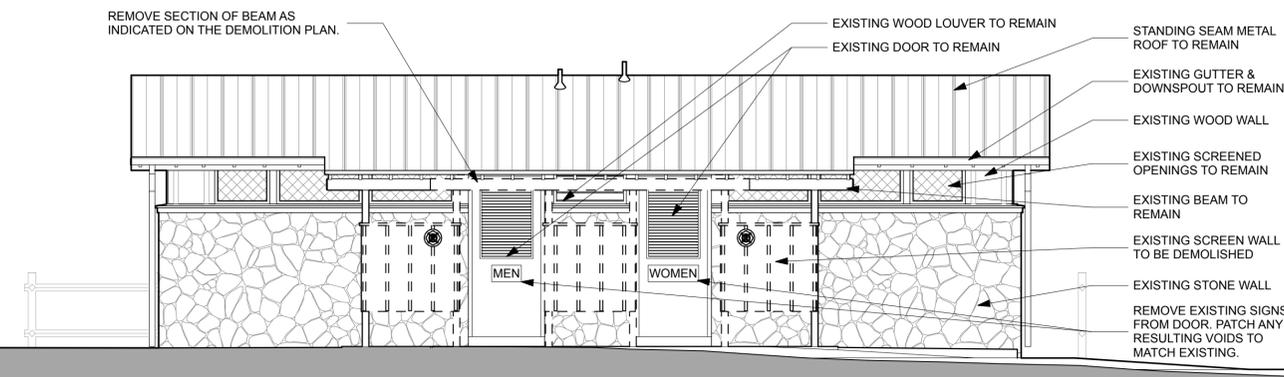


5 REAR ELEVATION - EXISTING
SCALE: 1/4" = 1'-0"

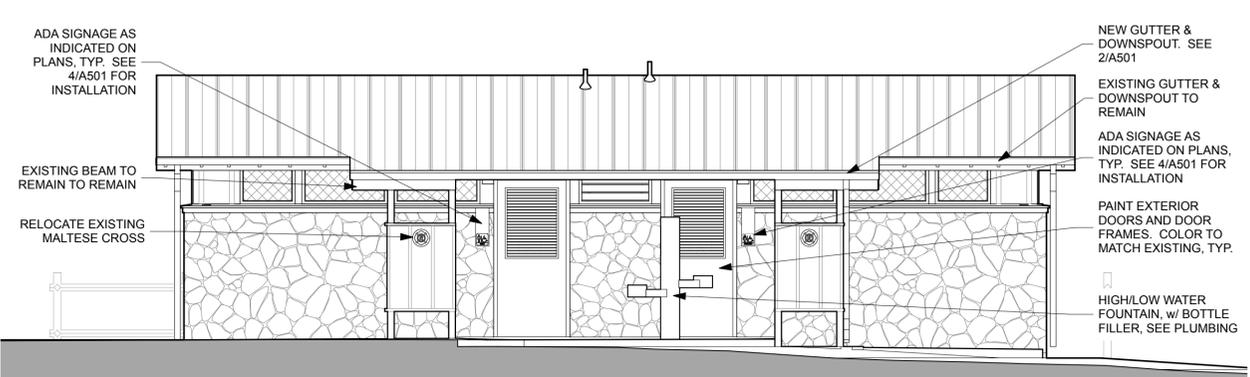
FOR TYPICAL NOTES SEE:7/A201



6 REAR ELEVATION - NEW
SCALE: 1/4" = 1'-0"

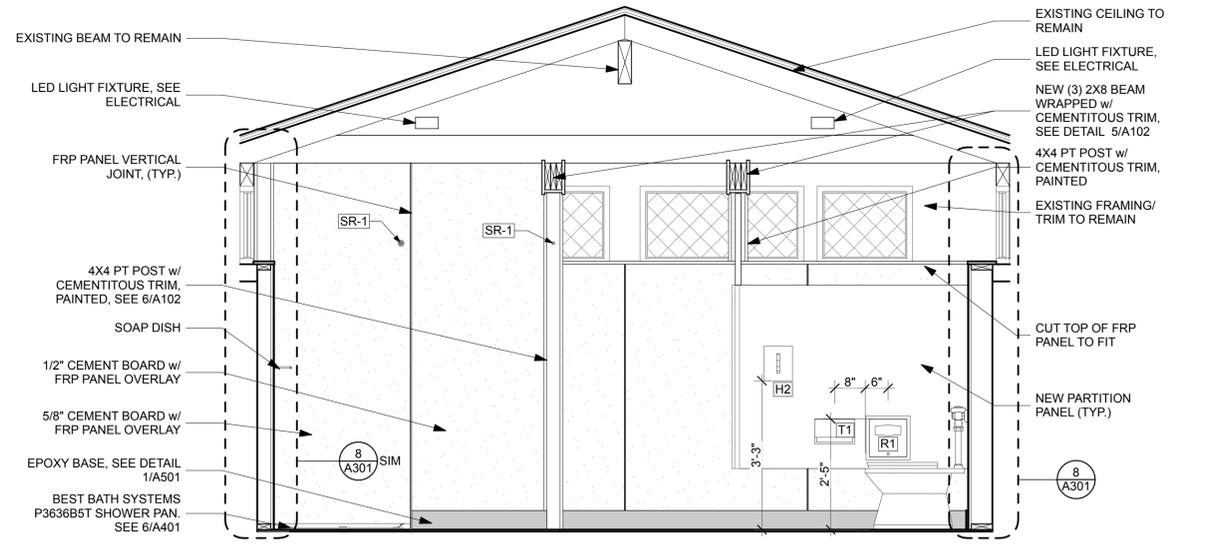


7 FRONT ELEVATION - EXISTING
SCALE: 1/4" = 1'-0"

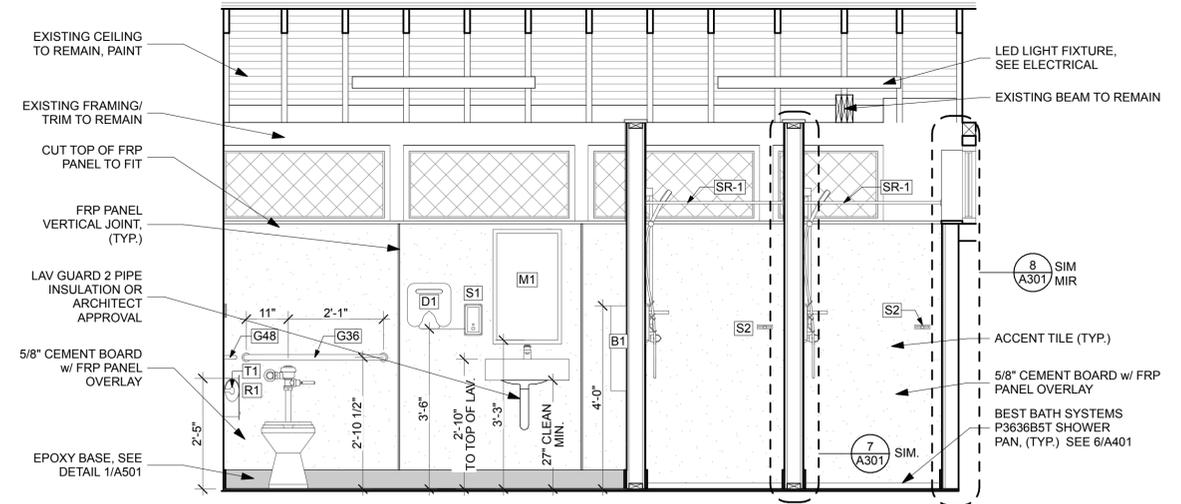


8 FRONT ELEVATION - NEW
SCALE: 1/4" = 1'-0"

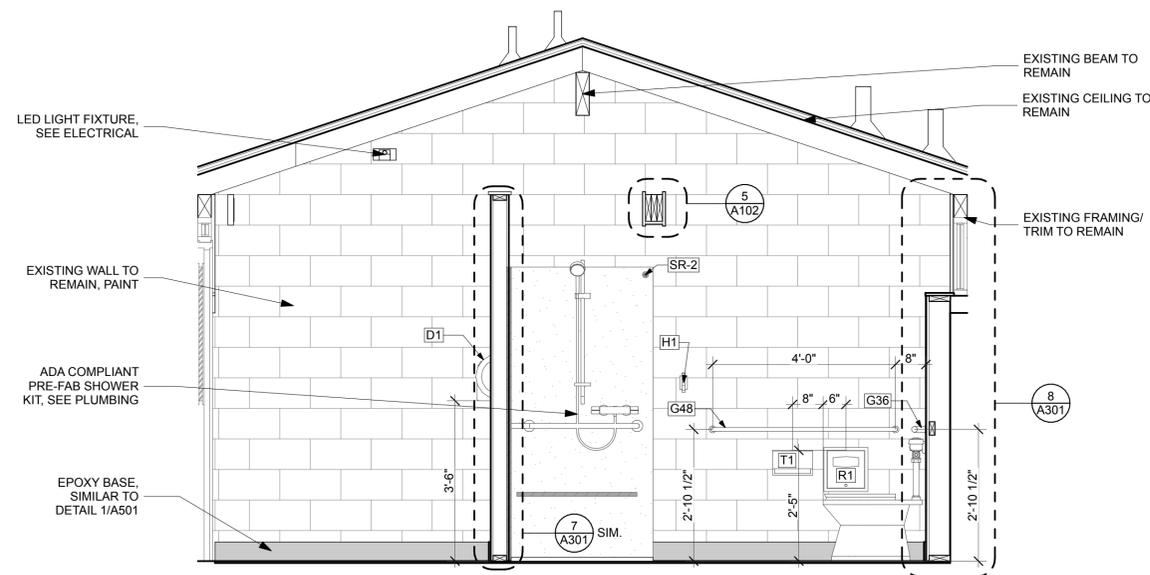
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ISSUE DATE: 2/15/2022		COMP. FILE NO.:		STATE PROJECT NO.:	61281	DESIGNER:	JODIE DODSON	DRAWN BY:	KZ, JIM	REVIEWED BY:	JD	CONSULTANT:		PROFESSIONAL REGISTRATION:	JOEL DODSON AR0015211		
<p>Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300</p> <p>DODSTONE ARCHITECTS</p>																	
<p>O'LENO STATE PARK EXTERIOR ELEVATIONS MIDDLE CAMPGROUND BATHHOUSE RENO.</p>																	
<p>SHEET NO. A201</p>																	



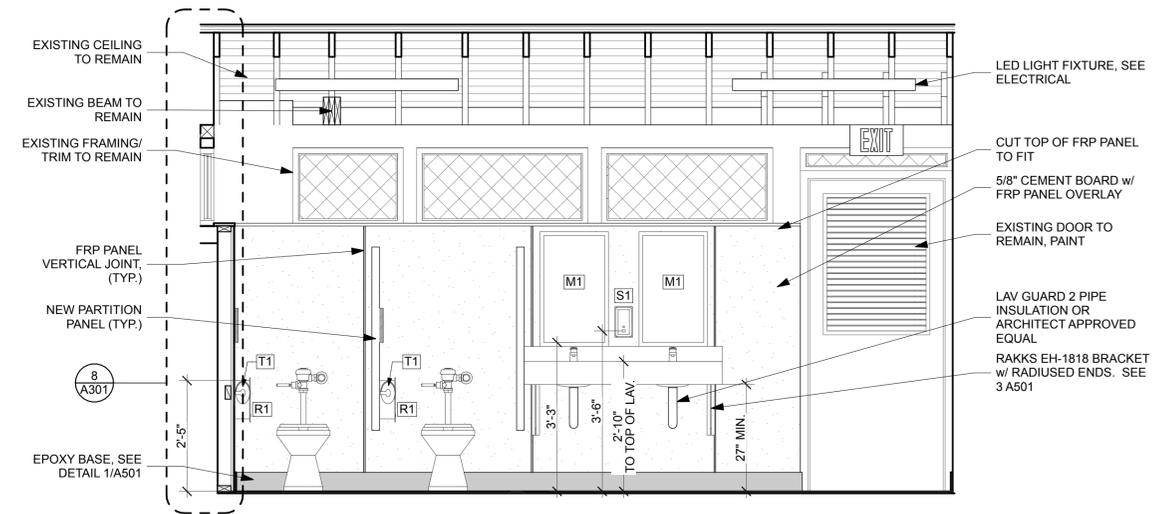
1 WOMENS RR - W
SCALE: 1/2" = 1'-0"



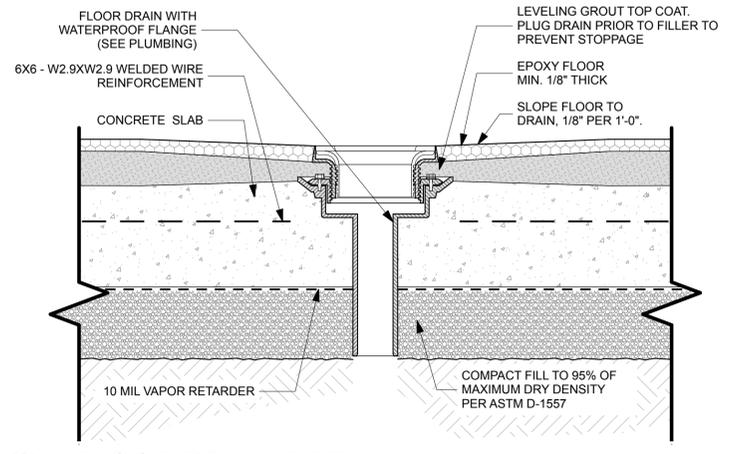
2 WOMENS RR - S
SCALE: 1/2" = 1'-0"



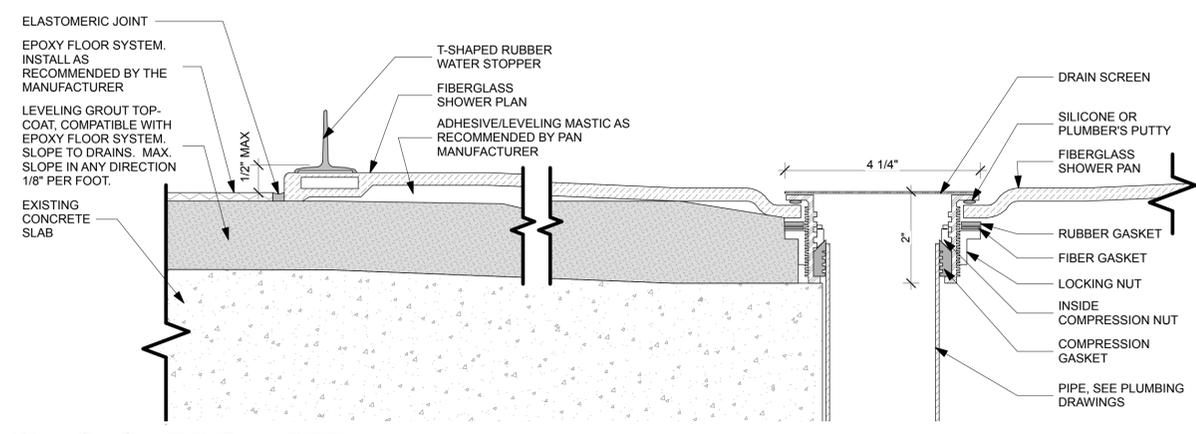
3 WOMENS RR - E
SCALE: 1/2" = 1'-0"



4 WOMENS RR - N
SCALE: 1/2" = 1'-0"

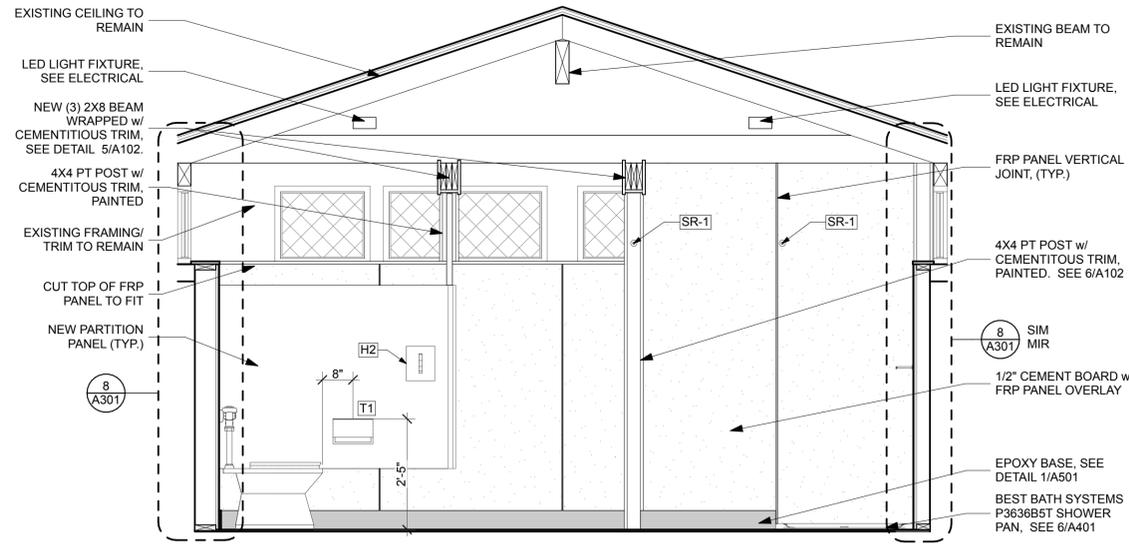


5 FLOOR DRAIN DETAIL
SCALE: 3" = 1'-0"

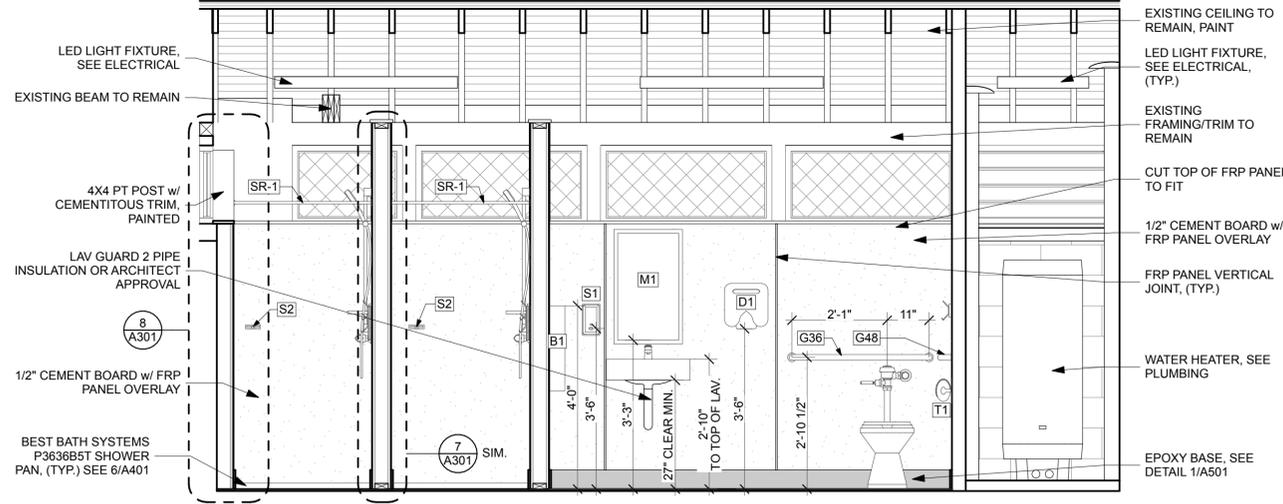


6 SHOWER PAN DETAIL
SCALE: 6" = 1'-0"

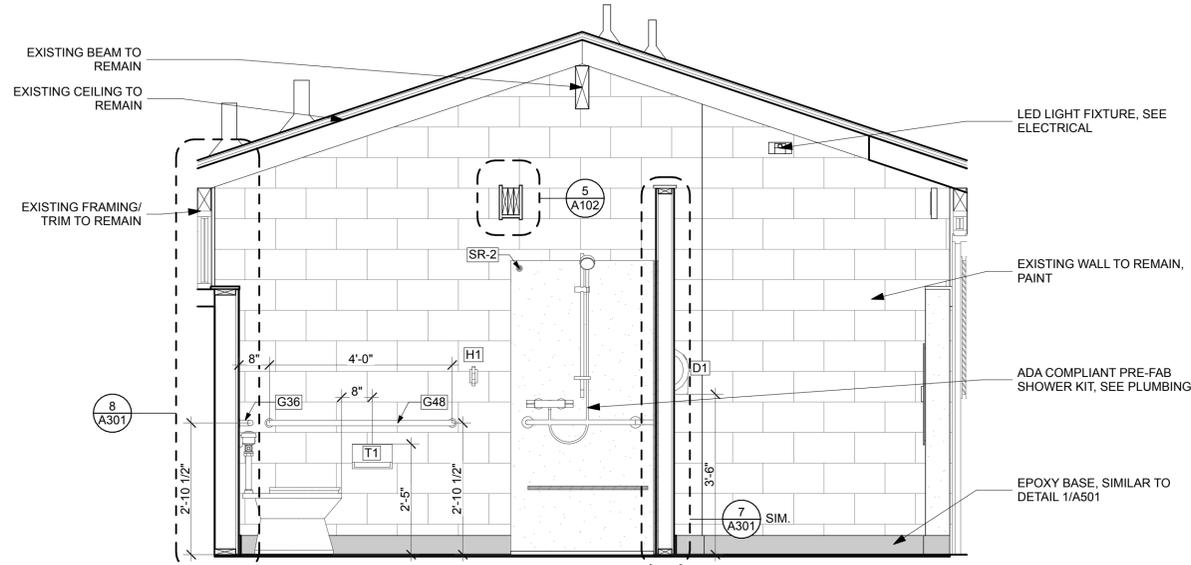
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ISSUE DATE:	2/15/2022	COMP. FILE NO.:		STATE PROJECT NO.:	61281	DESIGNER:	JODIE DODSON	DRAWN BY:	KZ, JIM	REVIEWED BY:	JD	CONSULTANT:		PROFESSIONAL REGISTRATION:	JOEL DODSON AR0015211	<p>DODSTONE ARCHITECTS</p> <p>Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300</p>		
<p>O'LENO STATE PARK</p> <p>WOMENS INTERIOR ELEVATIONS</p> <p>MIDDLE CAMPGROUND BATHHOUSE</p> <p>RENO.</p>																		
<p>SHEET NO. A401</p>																		



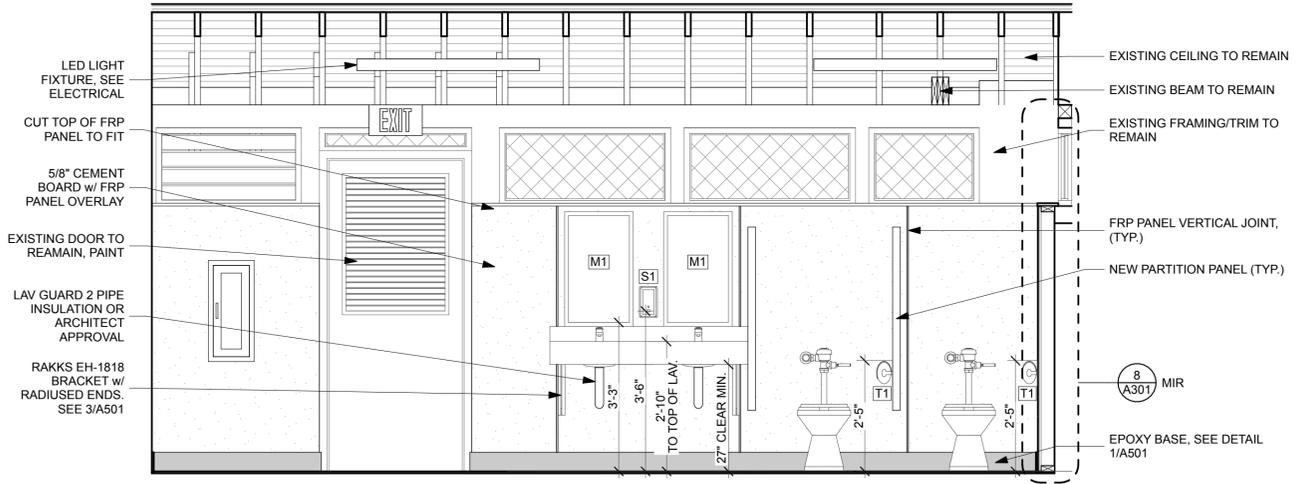
1 MENS RR - E
SCALE: 1/2" = 1'-0"



2 MENS RR - S
SCALE: 1/2" = 1'-0"

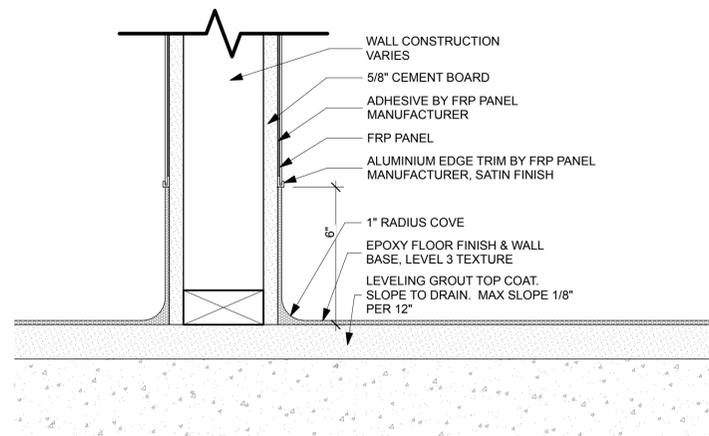


3 MENS RR - W
SCALE: 1/2" = 1'-0"

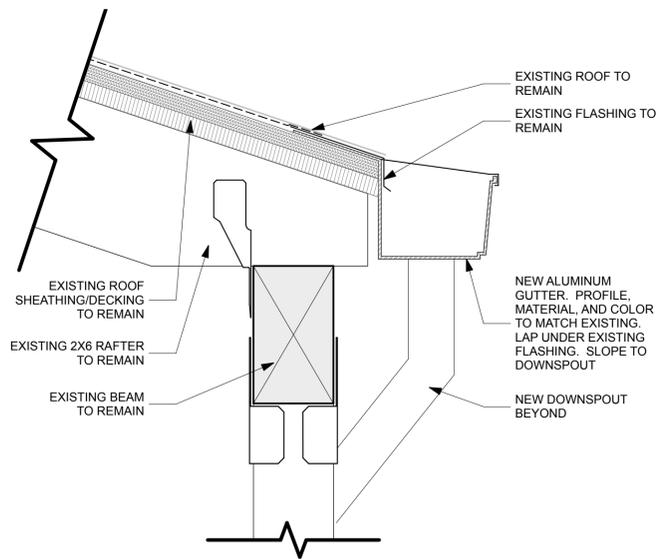


4 MENS RR - N
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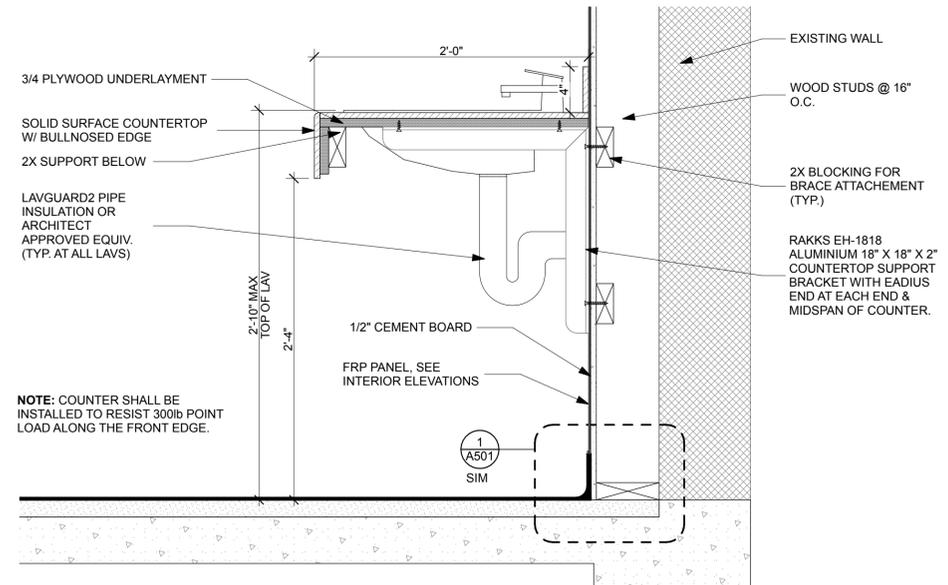
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ISSUE DATE: 2/15/2022	COMP. FILE NO.: 61281	STATE PROJECT NO.: 61281	DESIGNER: JODIE DODSON	DRAWN BY: KZ, JIM	REVIEWED BY: JD	CONSULTANT:	DODSTONE ARCHITECTS Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300				
PROFESSIONAL REGISTRATION											
JOEL DODSON AR0015211											
O'LENO STATE PARK											
MENS INTERIOR ELEVATIONS											
MIDDLE CAMPGROUND BATHHOUSE											
RENO.											
SHEET NO. A402											



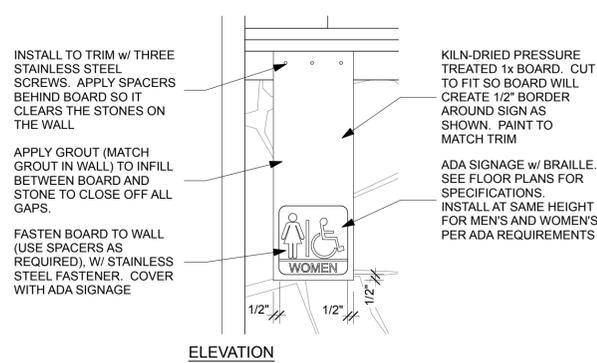
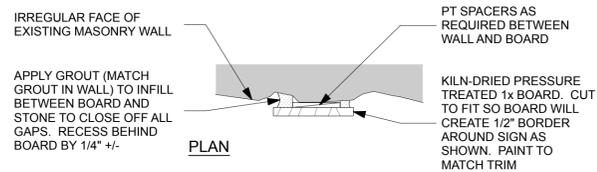
1 EPOXY BASE DETAIL
SCALE: 3" = 1'-0"



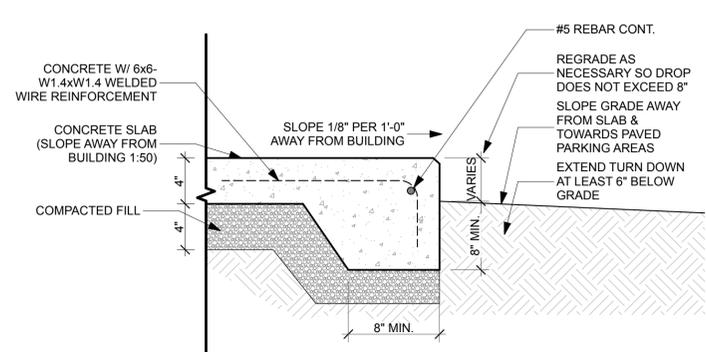
2 GUTTER DETAIL
SCALE: 3" = 1'-0"



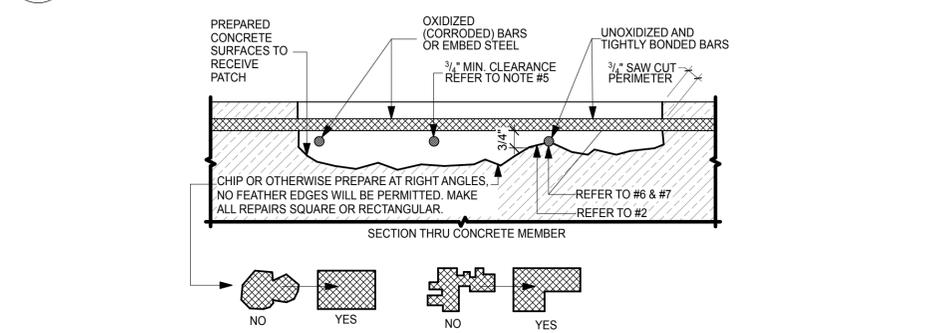
3 COUNTERTOP DETAIL
SCALE: 1 1/2" = 1'-0"



4 ADA SIGNAGE INSTALLATION
SCALE: 1 1/2" = 1'-0"

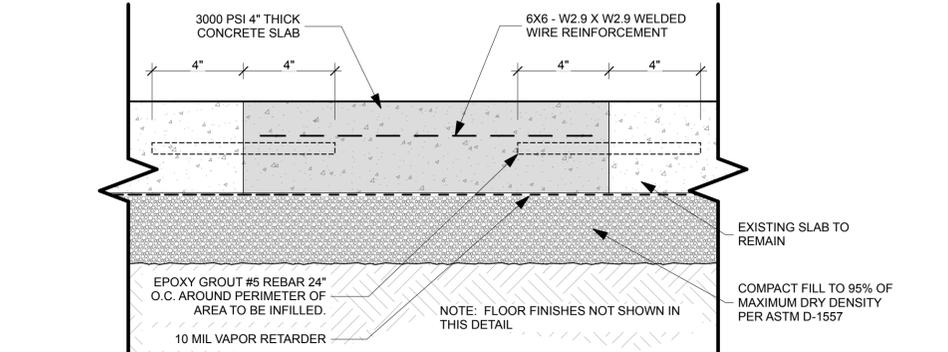


6 SITE TURNED DOWN SLAB EDGE
SCALE: 1 1/2" = 1'-0"



- PATCH CONFIGURATIONS SHOULD BE KEPT AS SIMPLE AS POSSIBLE. FOR EXAMPLE:
- BEFORE STARTING REMOVALS, REVIEW EFFECT OF REMOVALS ON STRUCTURAL INTEGRITY, PROVIDE SHORING OF MEMBER AS NECESSARY, PARTICULAR CARE SHALL BE EXERCISED AT SLAB/BEAM CONNECTION TO COLUMNS.
 - REMOVE DETERIORATED, POROUS, LOOSE, DELAMINATED CONCRETE ABOVE OXIDIZED REINFORCING STEEL. USE ONLY LIGHT ELECTRIC CHIPPING HAMMERS. NO HAMMER DRILLS.
 - CRACKS IN THE SUBSTRATE IN THE AREA OF THE PATCHING WORK MUST BE TREATED AS DIRECTED BY THE ENGINEER.
 - ONCE INITIAL REMOVALS ARE MADE, PROCEED WITH THE UNDERCUTTING OF ALL EXPOSED OXIDIZED (CORRODED) BARS.
 - PROVIDE MINIMUM 3/4" CLEARANCE BETWEEN EXPOSED REBARS AND SURROUNDING CONCRETE OR 1/2" LARGER THEN LARGEST AGGREGATE IN REPAIR MORTAR, WHICHEVER IS GREATER.
 - CONCRETE REMOVAL SHALL EXTEND ALONG THE BARS TO A LOCATION ALONG THE BARS FREE OF BOND INHIBITING CORROSION, AND WHERE THE BAR IS WELL BONDED TO SOUND, NON-POROUS SURROUNDING CONCRETE.
 - IF UNOXIDIZED REINFORCING STEEL IS EXPOSED DURING THE UNDERCUTTING PROCESS, CARE SHALL BE TAKEN NOT TO DAMAGE THE BAR'S BOND TO SURROUNDING CONCRETE. IF BOND BETWEEN BAR AND CONCRETE IS BROKEN, UNDERCUTTING OF THE BAR SHALL BE REQUIRED.
 - SANDBLAST OR WIRE BRUSH STEEL TO REMOVE CORROSION, SPLICE NEW BARS WHERE GREATER THAN 15% TO 20% SECTION LOSS OCCURS. POWER TOOL CLEANING MAY BE USED FOR SMALL SECTIONS.
 - COAT ALL EXPOSED REINFORCING AND CONCRETE SURFACES WITH SIKA ARMATEC 110 EPO CEM.
 - PATCH WITH SIKA MONOTOP 611 EXTENDED WITH 3/8" AGGREGATE, IF DEPTH EXCEEDS 3".
 - IF AREA IS LARGE, PATCHING WITH 4000 PSI SHOTCRETE (GUNIT) IS ACCEPTABLE.

5 PARTIAL DEPTH CONCRETE REPAIR DETAIL
SCALE: 3" = 1'-0"



7 SLAB INFILL DETAIL
SCALE: 3" = 1'-0"

DATE		REVISION		SYMBOL		DATE		REVISION		SYMBOL	
ISSUE DATE: 2/15/2022		COMP. FILE NO.:		STATE PROJECT NO.:	61281	DESIGNER:	JODIE DODSON	DRAWN BY:	KZ, JIM	REVIEWED BY:	JD
PROFESSIONAL REGISTRATION											
JOEL DODSON AR0015211											
O'LENO STATE PARK											
DETAILS											
PROJECT TITLE											
MIDDLE CAMPGROUND BATHHOUSE											
RENO.											
SHEET NO.											
A501											

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

ABBREVIATIONS

Table of abbreviations and their corresponding full names, organized in columns. Includes terms like Area or Ampers, American Automobile Association, Asphalt Base Course, etc.

GENERAL NOTES

CIVIL GENERAL NOTES:

- 1) ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE PERFORMED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OF PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH O.S.H.A. REGULATIONS AND THE FLORIDA TRUCK SAFETY ACT (SEE NOTE 16) MUST BE INCLUDED IN THE CONTRACTOR'S PRICE FOR PERFORMING THE WORK.

GENERAL PROJECT NOTES:

- 1) UNLESS OTHERWISE INDICATED OR MODIFIED ON THE PLANS OR IN THE SPECIFICATIONS, THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SHALL BE THE GOVERNING SPECIFICATIONS FOR CONSTRUCTION MATERIAL AND SITE WORK.

BUREAU OF DESIGN AND CONSTRUCTION GENERAL NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND ACCEPTING THE EXISTING CONDITIONS OF THE SITE PRIOR TO BIDDING.

S & E CONTROL NOTES

- 1) ADDITIONAL MEASURES WILL BE ADDED IF DETERMINED TO BE NEEDED BY ON-SITE INSPECTIONS.

ADA COMPLIANCE NOTES

- 1) ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE NO LESS THAN 44" WIDE SO THAT USERS WILL NOT BE COMPELLED TO WALK OR WHEELCHAIR PARKED VEHICLES EXCEPT BEHIND HIS OR HER OWN VEHICLE.

Sheet List Table with columns for Sheet Number, Sheet Title, and Index Page. Includes entries for C 001, C 101, C 201, and C 301.

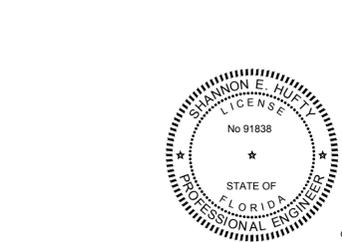
Table with columns for DATE, REVISION, SYMBOL, and DATE. Includes symbols for a triangle and a circle.

AS BUILT / RECORD DRAWINGS:

- 1) CONTRACTOR SHALL PROVIDE GEORGE & ASSOCIATES CONSULTING ENGINEERS TWO SIGNED AND SEALED COPIES OF AS-BUILT DRAWINGS OF ALL FINISHED IMPROVEMENTS.

CONSTRUCTION SEQUENCE:

- 1) THE CONTRACTOR SHALL REQUEST AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER OF RECORD 72 HOURS PRIOR TO ANY COMMENCEMENT OF CONSTRUCTION ACTIVITIES.



GEORGE & ASSOCIATES CONSULTING ENGINEERS, INC. 1987 COMMONWEALTH LANE, SUITE 200 TALLAHASSEE, FL 32303

Vertical sidebar containing project information: Department of Environmental Protection, Division of Recreation and Parks, Bureau of Design and Construction, 3900 Commonwealth Boulevard, Tallahassee, FL 32399 (950) 245-2118. Includes logos for DODSTONE ARCHITECTS and OLENO STATE PARK.

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.

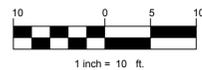
SHEET NO. C 001

SHUITY February 14, 2022 P:\Projects\2022\0247\0247.DWG (3) User: SP-Reidman ADA Improvements\Drawings\0247\0247_Site and Grading_Plan.dwg



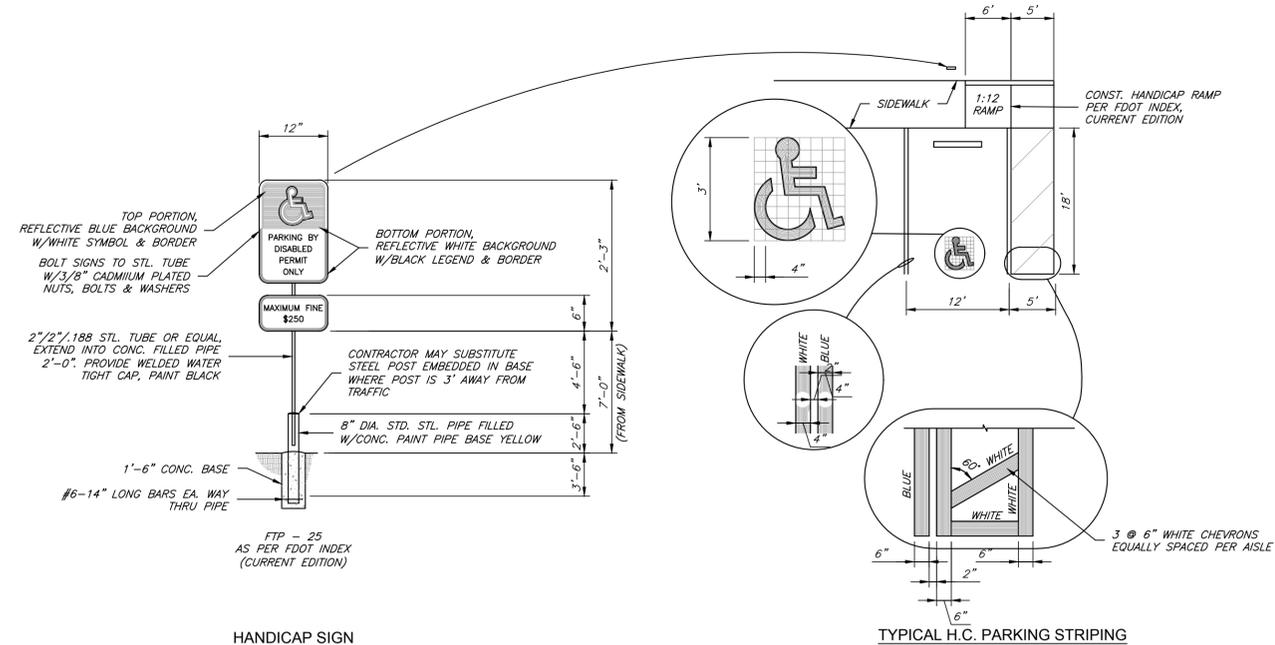
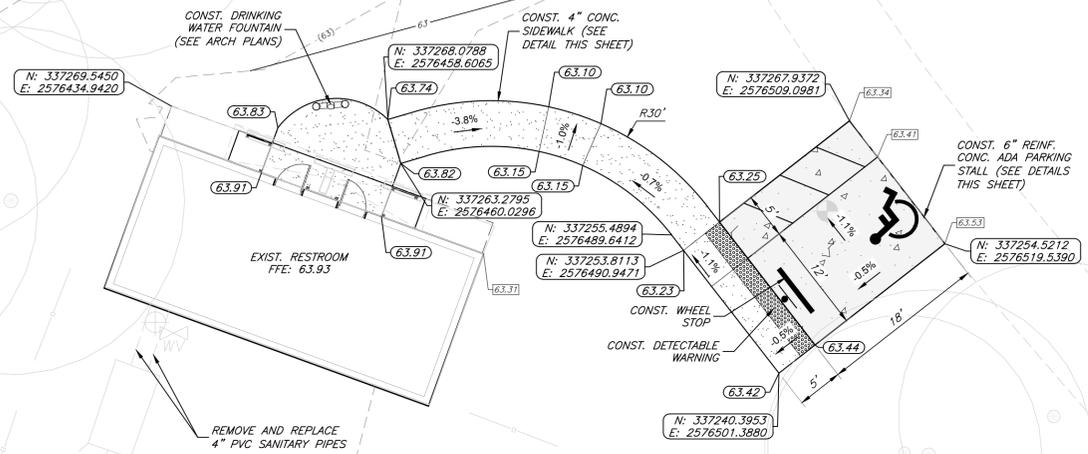
SITE AND GRADING PLAN

SCALE: 1" = 10'



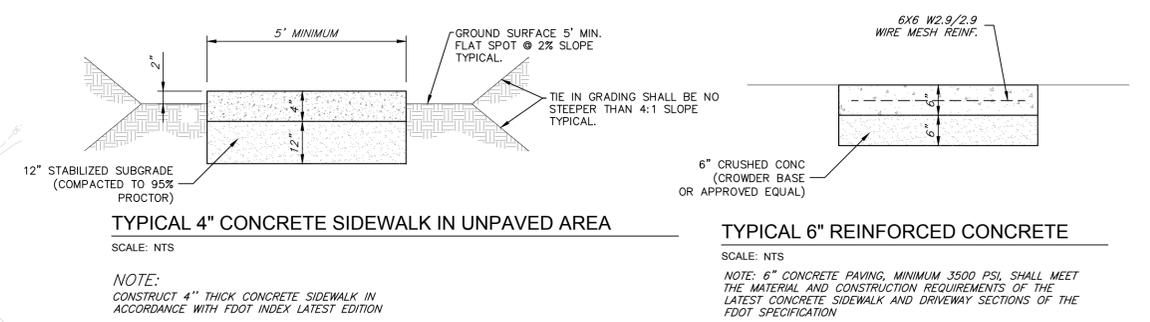
LEGEND

	EXISTING SPOT ELEVATION
	PROPOSED TYPICAL SPOT ELEVATION
	PROPOSED 6" REINFORCED CONCRETE
	PROPOSED 4" CONCRETE
	PROPOSED DETECTABLE WARNING



HANDICAP PARKING DETAILS

SCALE: NTS

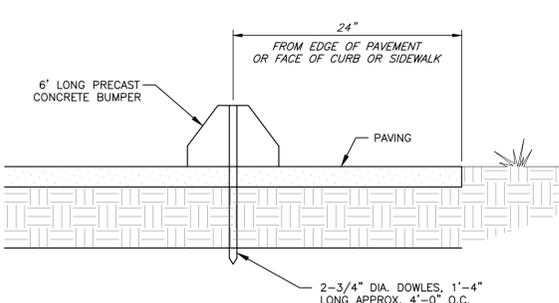


TYPICAL 4" CONCRETE SIDEWALK IN UNPAVED AREA

SCALE: NTS

TYPICAL 6" REINFORCED CONCRETE

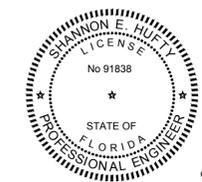
SCALE: NTS



WHEEL STOP DETAIL

SCALE: NTS

SITE DATA TABLE			
Total Parcel Size	Sq. Ft.	Acres	% of Site
Area Within the Limits of Construction	2,530	0.07	100.00%
Existing Impervious Area			
Existing Asphalt Paving	0	0.00	0.00%
Existing Concrete Paving	0	0.00	0.00%
Existing Buildings	662	0.02	22.59%
Existing Concrete Sidewalk	131	0.00	4.47%
Total Existing Impervious Area	793	0.02	27.06%
Existing Impervious Areas to be Removed			
Existing Concrete	0	0.00	0.00%
Existing Asphalt Paving	0	0.00	0.00%
Existing Building	0	0.00	0.00%
Existing Concrete Sidewalk	49	0.00	1.67%
Total Impervious Area to be Removed	49	0.00	1.67%
Proposed Impervious			
Proposed Building	0	0.00	0.00%
Proposed Concrete Sidewalks	407	0.01	13.89%
Proposed Concrete Paving	306	0.01	10.44%
Proposed Asphalt Paving	0	0.00	0.00%
Total Proposed Impervious Area	713	0.02	24.33%
Post Construction			
Total Impervious Area Post Construction	1,467	0.03	49.73%
Total Pervious Area Post Construction	1,473	0.03	50.27%



GEORGE & ASSOCIATES CONSULTING ENGINEERS, INC.
1987 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.

DESIGNER: SEH DRAWN BY: ANN REVIEWED BY: SEH Consultant:	ISSUE DATE: 02/15/2022 COMP. FILE NO.: STATE PROJECT NO.: 61281	DATE REVISION SYMBOL DATE REVISION SYMBOL	PROJECT TITLE: MIDDLE CAMPGROUND BATHHOUSE RENOVATIONS SHEET TITLE: SITE AND GRADING PLAN SHEET NO.: C 301	PROFESSIONAL REGISTRATION SHANNON E. HUFTY State of Florida, P.E. # 91838	Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3900 Commonwealth Boulevard, Tallahassee, FL 32399 (950) 245-2118 3011 Powell Road Tallahassee, FL 32308 850.6567.7338 88A380001632
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STRUCTURAL NOTES

GENERAL NOTES

- GN-1 The governing Code for this Project is the Florida Building Code, 7th Edition (2020) and Florida Building Code – Existing (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.
- GN-11 The Structure is designed to be structurally sound when completed. The Contractor shall not overload the structure during construction. Prior to completion, the Contractor is responsible for stability and temporary bracing, including, but not limited to, masonry walls. Wherever the Contractor is unsure of these requirements, the Contractor shall retain a Florida Licensed Engineer to design and inspect the temporary bracing and stability of the structure.

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 regarding the applicability of typical details shall be resolved by the Architect.
- GN-15 See Architectural drawings for fireproofing and waterproofing details and requirements.

GENERAL NOTES - DESIGN LOADS

GN-16 Design Loads:

OCCUPANCY	LIVE LOAD	DEAD LOAD
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	120 pcf	

Live Load reduction for beams, columns and foundations has 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-17 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-18 Design Wind Loads:

Governing Code	FBC 7 th Edition (2020) / ASCE 7-16
Building Risk Category	II
Ultimate Wind Speed	Vult = 120 mph
Allowable Stress Design Wind Speed	Vasd = 93 mph
Mean Roof Height	9.6 feet
Directionality Factor	Kd = 0.85
Gust-Effect Factor	G = 0.85
Exposure	B
Internal Pressure Coefficient	GCpi = +/-0.18

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. 8" Wide	S.P.#2	925	175	565	1350	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 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.

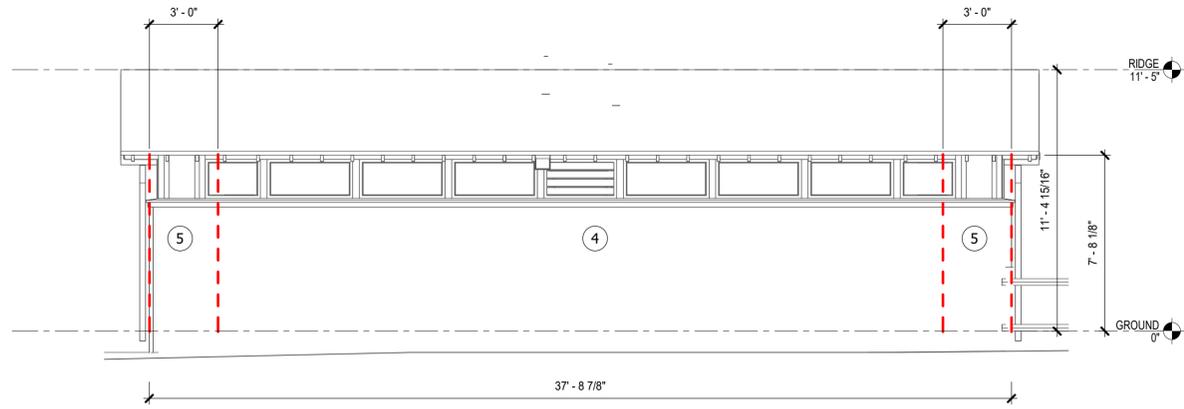
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BLISS & NYTRAY, INC.
STRUCTURAL ENGINEERS
227 N. Bronough St., Suite 7300
Tallahassee, FL 32301
Tel: (850)222-4454 Fax: (850)222-9425
www.bnengineers.com CA No. 674
BN Project No. Z1105

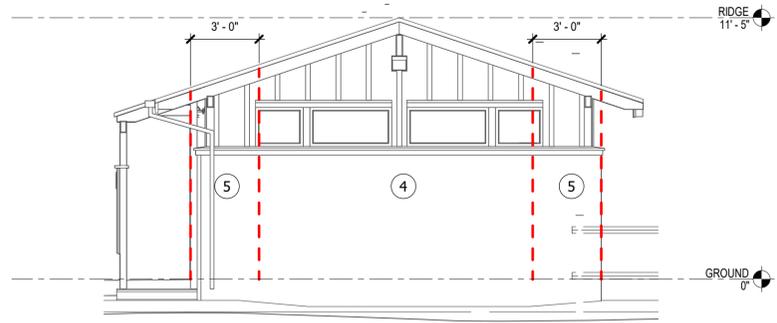


100% CONSTRUCTION DOCUMENTS

DESIGNER: CSC	DRAWN BY: TLC	REVIEWED BY: CSC	CONSULTANT: DODSTONE ARCHITECTS	SYMBOL A B C D	SYMBOL C D
ISSUE DATE: 02/15/2022	COMP. FILE NO.:	STATE PROJECT NO. 6128	DATE	REVISION	DATE
				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300	
O'LENO STATE PARK STRUCTURAL NOTES MIDDLE CAMPGROUND BATHHOUSE RENOVATIONS					
SHEET NO.				S101	



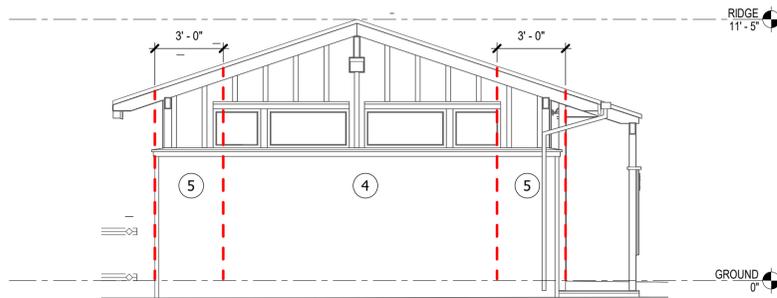
A NORTH ELEVATION
1/4" = 1'-0"



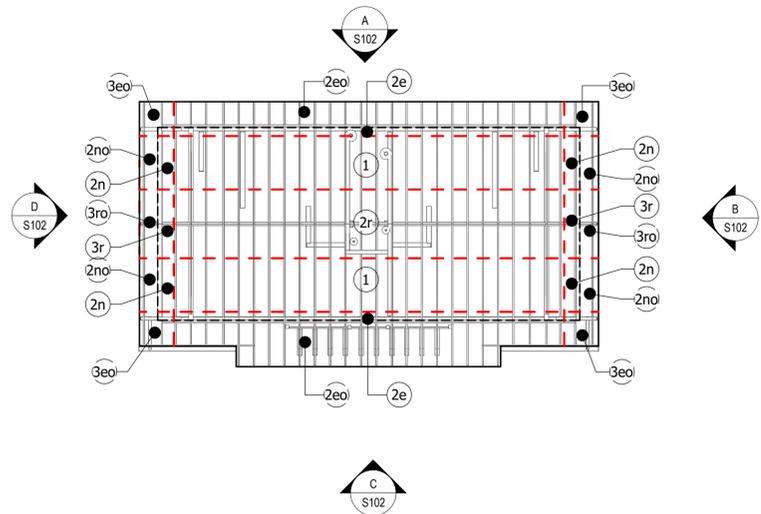
B EAST ELEVATION
1/4" = 1'-0"



C SOUTH ELEVATION
1/4" = 1'-0"



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



ROOF WINDLOAD PLAN
1/8" = 1'-0"

ROOF WIND PRESSURES (PSF)						
ZONES	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
1	-29/+10	-29/+10	-18/+10	-10/+10	-10/+10	-10/+10
2e	-29/+10	-29/+10	-18/+10	-10/+10	-10/+10	-10/+10
2n	-42/+10	-37/+10	-29/+10	-24/+10	-18/+10	-16/+10
2r	-42/+10	-37/+10	-29/+10	-24/+10	-18/+10	-16/+10
3e	-42/+10	-37/+10	-29/+10	-24/+10	-18/+10	-16/+10
3r	-50/+10	-43/+10	-34/+10	-27/+10	-27/+10	-27/+10

OVERHANG PRESSURES (PSF)						
ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
2eo	-36/10	-36/10	-28/10	-23/10	-23/10	-23/10
2no	-49/10	-45/10	-39/10	-35/10	-31/10	-29/10
3eo	-57/10	-49/10	-40/10	-32/10	-25/10	-23/10
3ro	-65/10	-55/10	-43/10	-33/10	-33/10	-33/10

WALL WIND PRESSURES (PSF)						
ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
4	-17/+16	-17/+15	-16/+14	-15/+14	-14/+13	-13/+12
5	-21/+16	-20/+15	-18/+14	-17/+14	-15/+13	-13/+12

- 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

This item has been digitally signed and sealed by Christopher S. Childers, PE on 02/14/2022. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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BIN Project No. 21105



100% CONSTRUCTION DOCUMENTS

DESIGNER: CSC	ISSUE DATE: 02/15/2022	SYMBOL: A	REVISION: A	DATE: 02/15/2022	SYMBOL: C	REVISION: C	DATE: 02/15/2022
DRAWN BY: TLC	COMP FILE NO: 6128	SYMBOL: B	REVISION: B	DATE: 02/15/2022	SYMBOL: D	REVISION: D	DATE: 02/15/2022
REVIEWED BY: CSC	STATE PROJECT NO: 6128	Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300					
CONSULTANT:	DODSTONE ARCHITECTS 3011-1 Powell Road Tallahassee, FL 32308 (850) 656-7295 #AFL26001632						
PROFESSIONAL REGISTRATION	Christopher S. Childers, P.E. Fla. Reg. No. 50812						
SHEET TITLE	OLENO STATE PARK WIND LOADING DIAGRAMS MIDDLE CAMPGROUND BATHHOUSE RENOVATIONS						
SHEET NO.	S102						

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, WRAPAROUND 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, REFINISH 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 BOUNDARIES 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 LPMC 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.
- GFI RECEPTACLES: STRAIGHT BLADE, HEAVY-DUTY GRADE, WITH INTEGRAL NEMA WD 6, CONFIGURATION 5-2OR 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 & COVERPLATE 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 GFI 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.

ELECTRICAL LEGEND



1 X 4 LIGHTING FIXTURE.



WALL-MOUNTED LIGHTING FIXTURE.



CEILING FAN. PROVIDE FAN-RATED BOX.



WALL-MOUNTED EMERGENCY LIGHTING FIXTURE, WITH INTEGRAL BATTERY.

PROVIDE UNSWITCHED HOT CONDUCTOR.



120V/20A QUIET-TYPE SNAP SWITCH. SWITCHES SHALL BE MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE.



2 CHANNEL 24 HOUR/7 DAY PROGRAMMABLE ASTRONOMICAL TIME CLOCK (WITH BATTERY BACKUP) AS MANUFACTURED BY TORK OR APPROVED EQUAL. PROVIDE CONTACTOR(S) AS REQUIRED TO SERVE ALL CIRCUITS SHOWN.



20A/120V DUPLEX RECEPTACLE. MOUNT AT 44" A.F.F., UNLESS NOTED OTHERWISE.



120V/20A DUPLEX RECEPTACLE, WITH INTEGRAL GFI PROTECTION. RECEPTACLES SHALL BE MOUNTED 18" A.F.F., UNLESS NOTED OTHERWISE. *MP* INDICATES CAST-ALUMINUM WEATHERPROOF IN USE COVER.



120V/20A DUPLEX RECEPTACLE, WITH INTEGRAL GFI PROTECTION. RECEPTACLES SHALL BE MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE.



PROVIDE JUNCTION AND FLEX CONNECTION TO EQUIPMENT AS INDICATED. *HD* = HAND DRYER; COORDINATE LOCATION/ELEVATION WITH ARCHITECTURAL DETAILS.



ENCLOSED SAFETY SWITCH NON-FUSED, RATING AND CIRCUITING AS INDICATED ON THE PLANS. FIELD-LOCATE TO ASSURE 36" FRONT CLEARANCE.



MOTOR RATED 20A SNAP SWITCH FOR DISCONNECT MEANS.



ELECTRICAL PANEL. SEE RISER PANEL SCHEDULES.



CIRCUIT CONDUCTORS IN CONDUIT OR CABLE. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. 120V CIRCUIT HOMERUNS LONGER THAN 100FT SHALL BE #10 AWG, MINIMUM. PROVIDE DEDICATED GREEN EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS. MC CABLE ALLOWED IN CONCEALED LOCATIONS, WHERE ALLOWED BY CODE.



CONDUCTORS IN CONDUIT, CONCEALED IN WALLS, CEILING, OR BELOW GRADE. HOMERUN TO PANEL INDICATED.



CEILING-MOUNTED EXHAUST FAN. COORDINATE WITH MECHANICAL.



LED EXIT SIGN WALL MOUNTED WITH INTEGRAL BATTERY AND INVERTER. PROVIDE UNSWITCHED HOT CONDUCTOR.



DUAL-TECHNOLOGY CEILING-MOUNTED OCCUPANCY SENSOR, EQUAL TO WATTSTOPPER #DT-300; PROVIDE #BZ-250 POWER-PACK AS REQUIRED. WIRE RELAY AHEAD OF LIGHT SWITCH.



WEATHERPROOF.

ABBREVIATIONS

WEATHERPROOF.

LIGHTING FIXTURE SCHEDULE

CODE	DESCRIPTION	MFGR.	MOD. NO.	LAMPS	NOTES
A	SURFACE MOUNT VAPOR TIGHT VANDAL RESISTANT 4 FT LED FIXTURE	BEGHELLI OR EQUAL	BS100LED-4-HT-LO-WT35-120-277V	50W LED	WITH EMERGENCY BATTERY BACKUP AND INTEGRAL OCCUPANCY SENSOR.
B	SURFACE MOUNT VAPOR TIGHT VANDAL RESISTANT 2 FT LED FIXTURE	BEGHELLI OR EQUAL	BS100LED-2-HT-M0-WT35-120-277V	40W LED	
C	LED ARCHITECTURAL WALL SCONCE	FC LIGHTING OR EQUAL	FCW3152-UNV-LED35K-CR185-LD	28W LED	MOUNT AS HIGH AS POSSIBLE, FINISH PER ARCHITECT
CF	52" CEILING FAN, PATIO FAN, DAMP RATED	KICHLER OR EQUAL	3301655BK	NONE	FINISH PER ARCHITECT; PROVIDE DOWNROD AS REQUIRED
D	EXISTING LED WALL PACK	EXISTING		50W LED	CLEAN & RELAMP; RECIRCUIT AS SHOWN.
EM	EXISTING EMERGENCY LIGHT UNIT	EXISTING		WITH UNIT	CLEAN & RE-FEED FROM UNSWITCHED ROOM LTG CIRCUIT.
EX	EXIT LIGHT	BEGHELLI OR EQUAL	PX-A-R-SA	WITH UNIT	FEED FROM UNSWITCHED ROOM LIGHTING CIRCUIT.
---	---	---	---	---	

NOTES:

- VERIFY ALL CEILING FINISHES, FIXTURE TRIMS, AND VOLTAGES PRIOR TO ORDERING AND PROVIDE AS REQUIRED.
- 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.
- PROVIDE ALL LOW-VOLTAGE WIRING AS REQUIRED, FOR DIMMING AND CONTROLS.
- PROVIDE LAMPS/BALLASTS/DRIVERS WITH ALL FIXTURES.
- PROVIDE ALL BOXES, BACKBOXES, SUPPORTS, FEEDS, TRIMS, STEMS, ROUGH-INS AND BLOCKING AS MAY BE REQUIRED FOR INSTALLATION.
- PROVIDE FIRE RATED BOXES OR OTHER MEANS TO MAINTAIN RATED CEILINGS WHERE RECESSED FIXTURES ARE USED.

O'LENO STATE PARK

SHEET TITLE

LEGEND, NOTES & SCHEDULE

MIDDLE CAMPGROUND BATHHOUSE RENOVATIONS

SHEET NO.

E001

PROFESSIONAL REGISTRATION
PE52688

JAMES M. LAMB
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.

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DRAWN BY: MRC
REVIEWED BY: JML

ISSUE DATE: 2/15/2022
COMP. FILE NO.:
STATE PROJECT No.: 61281

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DATE

REVISION

SYMBOL

REVISION

DATE

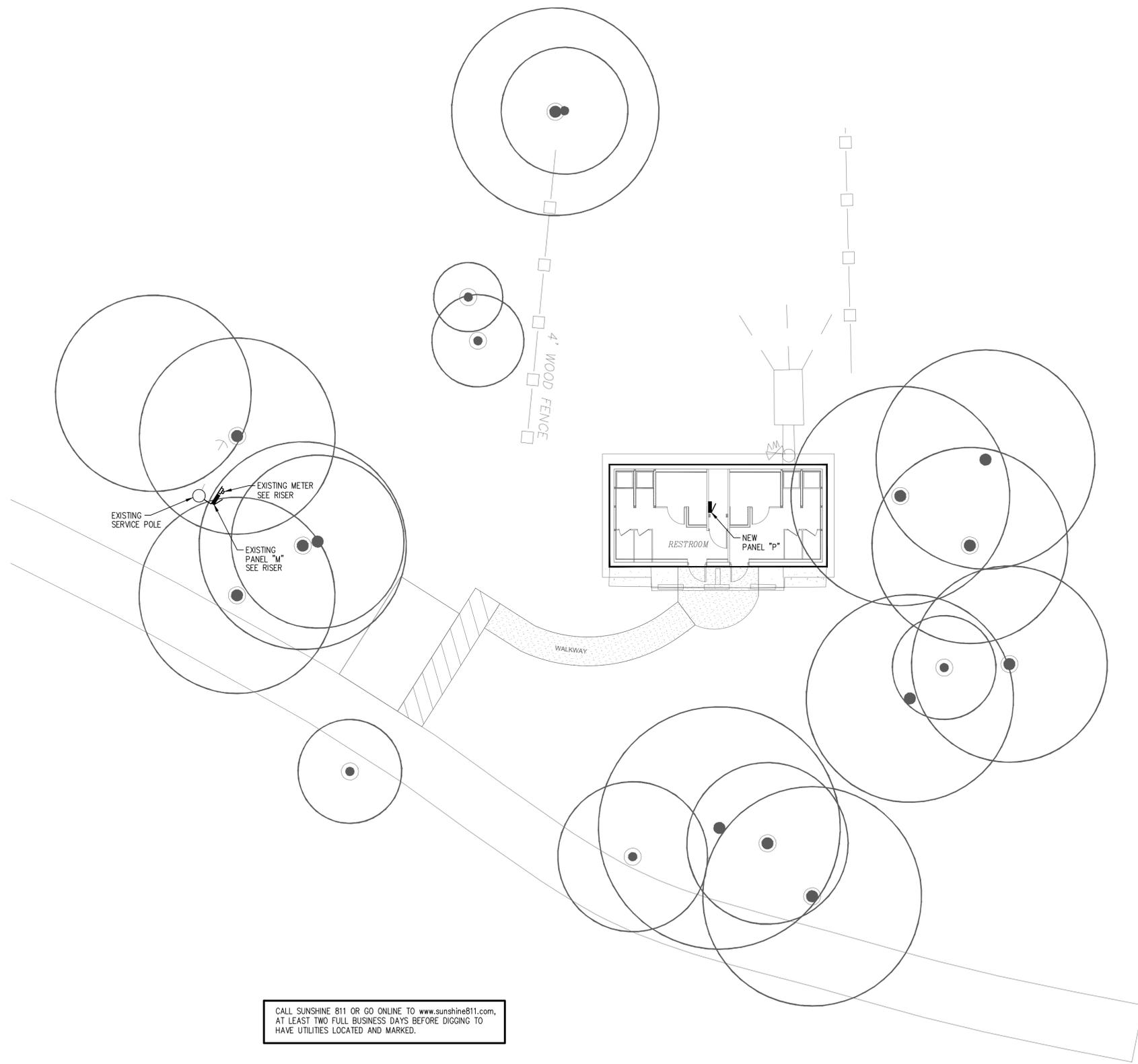
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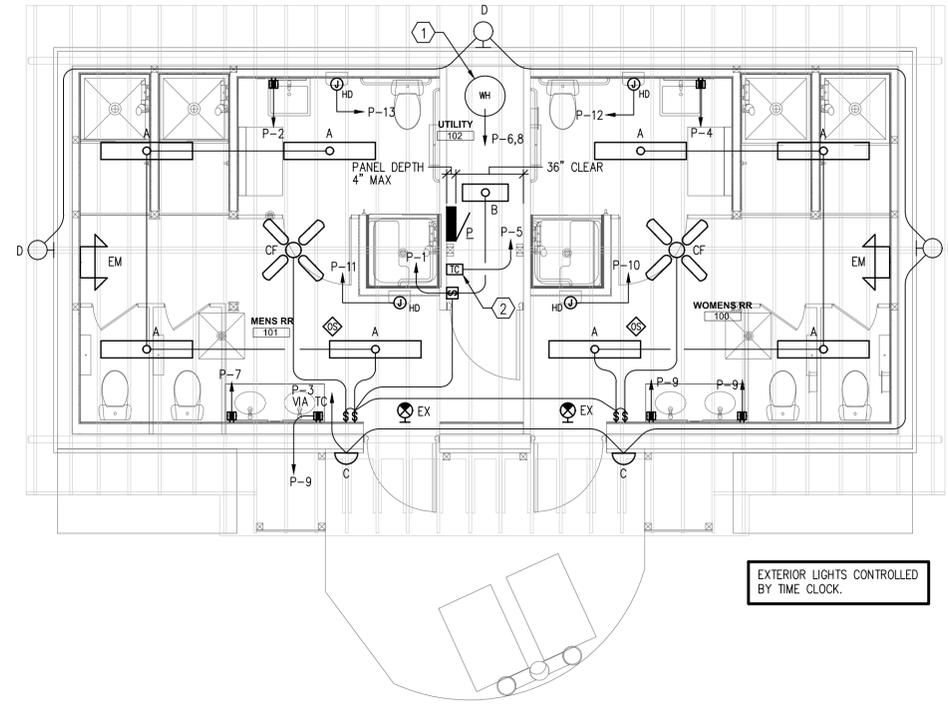
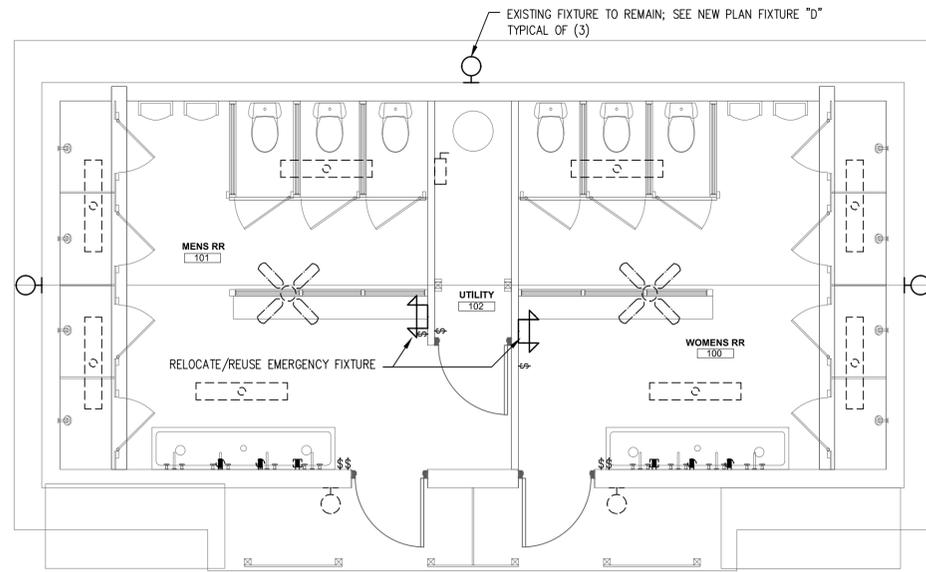


CALL SUNSHINE 811 OR GO ONLINE TO www.sunshine811.com, AT LEAST TWO FULL BUSINESS DAYS BEFORE DIGGING TO HAVE UTILITIES LOCATED AND MARKED.

1 SITE PLAN - ELECTRICAL
SCALE: 3/32" = 1' - 0"

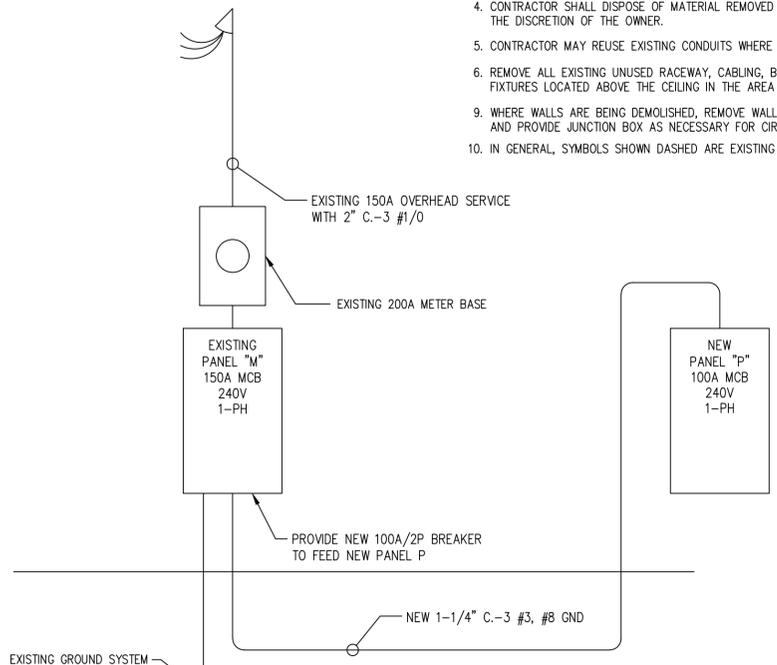


O'LENO STATE PARK		ISSUE DATE: 2/15/2022		SYMBOL		REVISION		DATE	
SHEET TITLE		COMP. FILE NO.:		A		B		C	
PROJECT TITLE		STATE PROJECT NO.:		A		B		C	
MIDDLE CAMPGROUND BATHHOUSE RENOVATIONS		61281		A		B		C	
DESIGNER: JML/MRC		ISSUE DATE: 2/15/2022		SYMBOL		REVISION		DATE	
DRAWN BY: MRC		COMP. FILE NO.:		A		B		C	
REVIEWED BY: JML		STATE PROJECT NO.:		A		B		C	
Consultant: APPLIED RESEARCH AND DESIGN, INC.		61281		A		B		C	
PROFESSIONAL REGISTRATION		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.		APPLIED RESEARCH AND DESIGN, INC.		2933 S. FLAIR STONE ROAD		TALLAHASSEE, FL 32301	
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SHEET NO.		E100		3800 COMMONWEALTH BLVD., TALLAHASSEE, FL 32309		(850) 425-2300		Department of Environmental Protection	
SHEET NO.		E100		3800 COMMONWEALTH BLVD., TALLAHASSEE, FL 32309		(850) 425-2300		Division of Recreation and Parks	
SHEET NO.		E100		3800 COMMONWEALTH BLVD., TALLAHASSEE, FL 32309		(850) 425-2300		Bureau of Design and Construction	
SHEET NO.		E100		3800 COMMONWEALTH BLVD., TALLAHASSEE, FL 32309		(850) 425-2300		3800 Commonwealth Blvd., Tallahassee, FL 32309 (850) 425-2300	



2 FLOOR PLAN DEMOLITION - ELECTRICAL
SCALE: 1/4" = 1'-0"

- GENERAL DEMOLITION NOTES:**
- REMOVE ALL EXISTING DEVICES, FIXTURES, AND EQUIPMENT, UNLESS NOTED OTHERWISE.
 - 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.
 - IN GENERAL, SYMBOLS SHOWN DASHED ARE EXISTING TO BE REMOVED.



RISER DIAGRAM
NO SCALE

1 FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- PROVIDE DEDICATED NEUTRAL WITH ALL 120V BRANCH CIRCUITS.

- WORK NOTES:**
- EWI; 12KW, 240V, 1PH, PROVIDE NEW 1" C-2 #6, #10 GND, TO PANEL.
 - PROVIDE ELECTRONIC PROGRAMMABLE WALLBOX TIMECLOCK FOR CONTROL OF EXTERIOR LIGHT. TIMECLOCK SHALL BE INTERMATIC #E1600, OR EQUAL.

PANEL: M (EXISTING)
MAIN: 150A MCB SERVICE: 120/240V, 1-PHASE, 3-WIRE LOCATION: SEE PLAN RATING: 22,000 AIC TYPE: NEMA-3R, SURFACE
NOTE: EXISTING PANEL IS CUTLER HAMMER LOAD CENTER

CKT	DESCRIPTION	BKR	P	KVA			BKR	P	DESCRIPTION	CKT	
				LOAD	A	B					LOAD
1	EXIST CABIN 9	20	1	2.00	4.50		2.50	30	2	EXIST WELL HOUSE	
3	EXIST CABIN 8	20	1	2.00		4.50	2.50			4	
5	EXIST CABIN 7	20	1	2.00		2.00		40	2	SPARE	
7	SPACE					0.00				8	
9	SPACE				9.74		9.74	100	2	RESTROOM PANEL P *	
11	SPACE					9.19	9.19			12	
13	SPACE				0.00	0.00				14	
15	SPACE				0.00	0.00				16	
17	SPACE				0.00	0.00				18	
19	SPACE					0.00				20	
				16.24	13.69						
TOTAL CONNECTED LOAD (KVA):				29.93 KVA		124.7 AMPS					

* NEW LOAD: PROVIDE NEW BREAKER.

PANEL: P
MAIN: 100A MCB SERVICE: 120/240V, 1-PHASE, 3-WIRE LOCATION: SEE PLAN RATING: 10,000 AIC TYPE: NEMA-1, SURFACE
NOTE: NEW PANEL SHALL BE LOAD-CENTER TYPE CONSTRUCTION, 4" MAX DEPTH.

CKT	DESCRIPTION	BKR	P	KVA			BKR	P	DESCRIPTION	CKT	
				LOAD	A	B					LOAD
1	INTERIOR LTS	20	1	0.70	0.88		0.18	20	1	REC-MENS HC	
3	EXTERIOR LIGHTS	20	1	0.25		0.43	0.18	20	1	REC-WOMENS HC	
5	TIME CLOCK (TC)	20	1	0.10	0.10			30	2	SPARE	
7	REC-MENS	20	1	0.18		0.18				8	
9	REC-MENS	20	1	0.18	1.38		1.20	20	1	HAND DRYER	
11	HAN DRYER	20	1	1.20		2.40	1.20	20	1	HAND DRYER	
13	HAND DRYER	20	1	1.20	1.20			20	1	SPARE	
15	REC-WOMENS	20	1	0.18		0.18		20	1	SPARE	
17	REC-WOMENS	20	1	0.18	0.18			20	1	SPARE	
19	SPACE					0.00				20	
21	SPACE				6.00		6.00	60	2	WATER HEATER	
23	SPACE					6.00	6.00			24	
				9.74	9.19						
TOTAL CONNECTED LOAD (KVA):				18.93 KVA		78.9 AMPS					

ISSUE DATE: 2/15/2022
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DESIGNER: JML/MRC
DRAWN BY: MRC
REVIEWED BY: JML
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O'LENO STATE PARK
SHEET TITLE
FLOOR PLANS - ELECTRICAL
MIDDLE CAMPGROUND BATHHOUSE RENOVATIONS

SHEET NO.
E101

PLUMBING LEGEND	
SYMBOL	
	ELBOW DOWN
	ELBOW UP
	TEE UP
	TEE DOWN
	CHANGE IN PIPE SIZE
	SANITARY PIPE
	DOMESTIC COLD WATER
	HOT WATER
	VENT PIPING

PLUMBING NOTES:

1.1 DESCRIPTION:

A. THE NON-TECHNICAL SPECIFICATIONS AND GENERAL CONDITIONS OF THESE SPECIFICATIONS ARE APPLICABLE IN FULL HERETO.

B. INCLUDE ALL EQUIPMENT, MATERIAL AND LABOR REQUIRED FOR COMPLETE AND OPERATING PLUMBING SYSTEMS. DUE TO THE SMALL SCALE OF THE FLOOR PLANS AND DIAGRAMMATIC RISER DIAGRAMS, SOME ITEMS INVOLVED MAY NOT BE INCLUDED.

1.2 WORK INCLUDED:

A. WORK WILL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING SYSTEMS COMPLETE WITH ALL REQUIRED ACCESSORIES:

1. A SYSTEM OF SANITARY SOIL, WASTE AND VENT PIPING.
2. A SYSTEM OF DOMESTIC HOT AND COLD WATER PIPING.
3. PLUMBING FIXTURES, EQUIPMENT, ACCESSORIES, TRIM AS SPECIFIED HEREIN.
4. WATER SERVICE TO EACH FIXTURE REQUIRING SUCH SERVICE.
5. SANITARY BUILDING DRAINS AND FIXTURE BRANCHES FROM EACH FIXTURE REQUIRING SUCH SERVICE.

1.3 LAWS AND CODES:

A. THE CONTRACTOR SHALL INSTALL ALL WORK IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND BE INCLUSIVE OF ALL STATE, AND LOCAL CODES. ALL PROVISIONS OF THIS SECTION APPLY TO ALL PLUMBING WORK.

B. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES AND CHARGES REQUIRED INCIDENTAL TO THE WORK INVOLVED THAT MAY BE NECESSARY FOR FULLY COMPLETING THE WORK.

C. THE CONTRACTOR SHALL MAKE ALL NECESSARY TESTS REQUIRED BY LOCAL AUTHORITIES, LEGAL REGULATIONS AND RETURN TO THE ENGINEER ANY CERTIFICATE OF APPROVAL ISSUED FOR ALL PLUMBING WORK SIGNED BY THE INSPECTING ADMINISTRATIVE AUTHORITY IN CHARGE OF EACH PARTICULAR PART OF THE WORK.

1.4 QUALIFICATIONS:

A. THE CONTRACTOR SHALL BE A LICENSED PLUMBER CERTIFIED BY THE STATE.

1.5 DRAWINGS:

A. IN THE INTEREST OF CLARINESS, THE WORK IS NOT ALWAYS SHOWN TO SCALE OR EXACT LOCATION. CHECK ALL MEASUREMENTS, LOCATION OF PIPE, DUCTS AND EQUIPMENT WITH THE DETAIL ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS, AND LAY OUT WORK SO AS TO FIT IN WITH CEILING GRIDS, LIGHTING AND OTHER PARTS, WHERE DOUBT ARISES AS TO THE MEANING OF THE PLANS AND SPECIFICATIONS. OBTAIN THE ENGINEER'S DECISION BEFORE PROCEEDING WITH PARTS AFFECTED OTHERWISE ASSUME LIABILITY FOR DAMAGE TO OTHER WORK AND MAKING NECESSARY CORRECTIONS TO WORK IN QUESTION.

1.6 CHANGES AND CONFLICTS:

A. IF DURING CONSTRUCTION DESIRABLE OR NECESSARY CHANGES BECOME APPARENT, ADVISE THE ENGINEER AND SECURE HIS DECISION IN WRITING. OTHERWISE, MAKE NO DEVIATION FROM THE SYSTEM AS DETAILED.

1.7 GUARANTEE AND SERVICE:

A. THE CONTRACTOR SHALL GUARANTEE ALL PIPING, EQUIPMENT, FIXTURES AND RELATED MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AGAINST DEFECTS DUE TO FACTORY OR MANUFACTURING MATERIALS. SUCH DEFECTS WILL BE CORRECTED PROMPTLY AFTER NOTIFICATIONS BY THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE WITH NO COST TO THE OWNER.

B. THE CONTRACTOR SHALL ALSO FURNISH WITHOUT CHARGE, ANY REASONABLE SERVICE IN MAKING MINOR ADJUSTMENTS TO FIXTURES AND EQUIPMENT FOR THE SAME PERIOD, BUT THIS SERVICE WILL NOT INCLUDE THE REPLACEMENT OF PARTS DAMAGED BY MALICIOUSNESS OR VANDALISM AFTER ACCEPTANCE BY THE OWNER, OR CLEARING OF OBSTRUCTION FROM SEWERS CAUSED BY OTHER THAN DEFECTS IN THE LINE.

C. THE CONTRACTOR SHALL PUT ALL ITEMS INSTALLED UNDER THIS DIVISION INTO OPERATION AND WILL INSTRUCT THE OWNER'S MAINTENANCE PERSONNEL IN ALL POINTS REQUIRING SERVICE AND MAINTENANCE.

1.8 SUBMITTAL DATA:

A. WITHIN 30 DAYS AFTER AWARD OF CONTRACT, SUBMIT FOR APPROVAL A COMPLETE SCHEDULE OF MATERIAL AND EQUIPMENT PROPOSED. PARTIAL LISTS WILL NOT BE CONSIDERED. INCLUDE CATALOG DATA, SCHEDULED CAPACITIES, ETC. WHERE SUBSTITUTIONS ARE PROPOSED, FOLLOW PROCEDURES SET FORTH IN THE GENERAL CONDITIONS.

B. UPON REQUEST, SUBMIT SHOP DRAWINGS SHOWING PROPOSED ARRANGEMENT OF EQUIPMENT, PIPING, FLOOR DRAINS, POWER REQUIREMENTS AND CONTROLS. IN ANY CASE, SUBMIT DETAIL LAYOUTS OF POTENTIAL CONFLICTS AT PLUMBING DROPS, EQUIPMENT ROOMS, TIGHT CEILINGS, ETC.

1.9 EXISTING CONDITIONS:

A. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME ACQUAINTED WITH ALL JOB CONDITIONS. NO CONSIDERATIONS WILL BE GIVEN AFTER BID OPENING FOR ALLEGED MISUNDERSTANDING REGARDING UTILITY CONNECTIONS, PERMITS, FEES, ETC.

B. THE DRAWINGS INDICATE SYSTEMS WHICH ARE LOCATED IN EXISTING PARTITIONS AND BEHIND WALLS. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL PIPING CONNECTIONS AND INCLUDE IN HIS BID CONTINGENCIES FOR THE RELOCATION OF SUCH SYSTEMS IF CONNECTIONS CAN NOT BE MADE AS SHOWN ON THE DRAWINGS.

C. THE CONTRACTOR IS REQUIRED TO CONNECT TO EXISTING PLUMBING SYSTEMS FOR THE CONSTRUCTION OF THIS PROJECT AND IS REQUIRED TO KEEP IN DISRUPTION OF THE EXISTING SYSTEMS TO A MINIMUM. THE CONTRACTOR SHALL MAKE CONNECTIONS AFTER HOURS OR ON WEEKENDS IF REQUESTED BY THE OWNER. NO CONSIDERATIONS WILL BE GIVEN AFTER BID OPENING FOR ALLEGED MISUNDERSTANDING REGARDING UTILITY CONNECTIONS, PERMITS, FEES, ETC.

1.11 AS-BUILT DRAWINGS:

A. OMIT

1.12 MANUALS:

A. FURNISH FIVE (5) COPIES OF MAINTENANCE INSTRUCTIONS, OPERATING INSTRUCTIONS AND PARTS LISTS FOR ALL FIXTURES AND EQUIPMENT ELECTRONIC CODES.

1.13 COORDINATION OF WORK WITH OTHER TRADES:

A. THE CONTRACTOR SHALL LAYOUT AND PROCEED WITH THIS WORK SO THAT THIS WORK WILL BE EXECUTED IN HARMONY WITH ALL OTHER CONTRACTS PERTAINING TO THIS PROJECT.

B. ALL ELECTRICAL POWER WIRING REQUIRED FOR INSTALLATION OF EQUIPMENT UNDER THIS SECTION IS SPECIFIED UNDER ELECTRICAL DIVISION. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROLS, AND CONTROL WIRING AS SPECIFIED OR REQUIRED TO PROPERLY COMPLETE THE INSTALLATION. CONTROL CONDUIT IS SPECIFIED UNDER ELECTRICAL DIVISION TO THE EXTENT SHOWN ON ELECTRICAL DRAWINGS. ALL OTHER CONTROL CONDUIT SHALL BE PROVIDED UNDER THIS SECTION OF WORK. ALL ELECTRICAL WORK PERFORMED UNDER THIS SECTION SHALL MEET REQUIREMENTS SET FORTH IN THE ELECTRICAL DIVISION.

C. PIPE SLEEVES - FIT ALL PIPES PASSING THROUGH MASONRY AND JOB CAST CONCRETE CONSTRUCTION WITH SLEEVES. SLEEVES SHALL BE CUT FLUSH WITH EACH SURFACE, 1/2" LARGER IN DIAMETER THAN THE PIPE OR COVER, BUILT-IN AS WORK PROGRESSES. SLEEVES THROUGH JOISTS AND BEAMS SHALL BE OF GALVANIZED STEEL PIPE OTHER SLEEVES SHALL BE OF 1/2" GAUGE GALVANIZED IRON. MAKE SPACE BETWEEN FLOOR SLEEVES AND PASSING PIPES WATER TIGHT BY CAULKING WITH FIREPROOF PACKING AND PLASTIC WATERPROOF CAULKING COMPOUND.

D. ACCESS PANELS AND DOORS:

1. FURNISH TO GENERAL CONTRACTOR FOR INSTALLATION WHEREVER REQUIRED FOR ACCESS TO VALVES, AIR VENTS OR SIMILAR DEVICES. DOORS SHALL BE SUITABLE FOR WALL FINISH INVOLVED, 12" X 16" UNLESS OTHERWISE INDICATED. FIRE RATED WHERE FIRE WALLS ARE PENETRATED, MILCOR, PHILIP CAREY, ZURN OR OTHER APPROVED EQUAL.

E. CUTTING AND PATCHING:

1. OPENINGS ARE TO BE LAID OUT AND BUILT-IN FURNISH DETAILED LAYOUT DRAWINGS TO OTHER TRADES IN ADVANCE OF THEIR WORK. PIPING WITHIN OR BEHIND WALLS MUST BE INSTALLED BEFORE WALL IS ERECTED. OTHERWISE WALLS, ETC. AFFECTED MUST BE REWORKED BY TRADE WHICH ERECTED SAME AT EXPENSE OF THE CONTRACTOR CHASING AND CUTTING OF NEW WORK WILL NOT BE ACCEPTED. 2. CUTOUTS IN COUNTERTOPS SHALL BE MADE BY MILLWORK CONTRACTOR UPON RECEIPT OF PROPER TEMPLATES. OPENINGS IN EXISTING WALLS SHALL BE MADE BY TRADE REQUIRING SAME, WITH REPAIRING AND PATCHING REQUIRED THEREBY DONE BY THE RESPECTIVE TRADE WHOSE WORK IS DAMAGED.

F. PAINTING AND FINISHING:

1. CLEAN AND PAINT WITH TWO COATS OF ENAMEL ALL EXPOSED FERROUS METAL PARTS OF MECHANICAL EQUIPMENT LOCATED IN MACHINERY ROOMS, ABOVE CEILING, ETC. (INCLUDE BLACK STEEL PIPE, UNCOATED CAST IRON PIPE, HANGERS, BRACKETS, ETC.). 2. PAINTING OF SURFACES IN FINISHED AREAS IS SPECIFIED UNDER SECTION "PAINTING", WHERE FACTORY FINISHED ITEMS ARE MARRED OR SCRATCHED, REPLACE THE ITEM, OR UPON APPROVAL, REFINISH OR TOUCHUP AS REQUIRED TO BRING TO A LIKE-NEW CONDITION.

G. CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS:

1. THE PLUMBING CONTRACTOR SHALL PROVIDE FLOOR DRAINS REQUIRED FOR THIS EQUIPMENT AS SCHEDULED ON THE DRAWINGS. 2. ALL REQUIRED WATER SUPPLY LINES WILL BE EXTENDED TO WITHIN 2'-0" OF EQUIPMENT LOCATIONS AND TERMINATED WITH A GATE VALVE. FINAL CONNECTIONS TO EQUIPMENT WILL BE MADE BY THE PLUMBING CONTRACTOR AND COORDINATED WITH THE GENERAL CONTRACTOR AND OWNER.

1.14 MISCELLANEOUS REQUIREMENTS:

A. MATERIALS AND EQUIPMENT - NEW AND OF BEST QUALITY IN EVERY RESPECT. PIPE AND FITTINGS SHALL CONFORM TO THE ASTM STANDARD DESIGNATED FOR PIPE OF EACH MATERIAL. EQUIPMENT SHALL BE ESSENTIALLY THE STANDARD PRODUCT OF THE MANUFACTURER AND UL APPROVED WHERE COMMERCIALLY AVAILABLE. WHERE TWO OR MORE UNITS OF THE SAME CLASS OF EQUIPMENT ARE REQUIRED, THESE UNITS SHALL BE PRODUCTS OF A SINGLE MANUFACTURER HOWEVER, THE COMPONENT PARTS OF EACH UNIT NEED NOT BE.

B. WORKMANSHIP - FIRST CLASS AND IN ACCORDANCE WITH BEST PRACTICE. PIPE SHALL BE CUT CLEAN, PROPERLY REAMED, THREADED OR SOLDERED, ERECTED PLUMB AND SECURE. MAKE CHANGES IN PIPE SIZE WITH REDUCING FITTINGS WITHOUT THE USE OF BUSHINGS. WORK SHALL BE EXECUTED BY EXPERIENCED MECHANICS AND SHALL PRESENT A NEAT APPEARANCE. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

C. AT ALL STAGES OF INSTALLATION, PROTECT PIPE OPENINGS, FIXTURES AND EQUIPMENT AGAINST THE ENTRANCE OF FOREIGN MATERIALS, AND FROM DAMAGE BY THE ELEMENTS, MORTAR, PAINT, ETC.

D. FACTORY FINISHES - MANUFACTURER'S STANDARD UNLESS OTHERWISE STATED. SUBMIT COLOR CARDS FOR SELECTION WHERE CHOICE EXISTS.

E. EXPANSION - PROVIDE FOR EXPANSION AND CONTRACTION OF ALL PIPING AND MAKE PROPER PROVISIONS SO THAT EXCESSIVE STRAIN WILL NOT OCCUR ON PIPING OR OTHER PARTS.

F. SAFETY PROVISIONS - PROVIDE COVERS OR GUARDS ON ALL HOT, MOVING AND PROJECTING ITEMS WHICH COULD BE A HAZARD TO OCCUPANTS OF THE BUILDING OR TO SERVICE PERSONNEL.

G. CLEANING AND ADJUSTING - UPON COMPLETION OF WORK, CLEAR ALL DRAINS, TRAPS, FIXTURES, DUCTS AND PIPE, ADJUST ALL VALVES, PACK STUFFING BOXES, REMOVE RUBBISH AND LEAVE WORK IN CLEAN AND OPERATING CONDITION.

H. ESCUTCHEONS - WHERE PIPES PASS THROUGH FLOORS, WALLS AND CEILING, PROVIDE PRESSED CHROME-PLATED BRASS OR STEEL PLATES SECURELY FASTENED IN PLACE.

PART 3- EXECUTION

3.1 SANITARY PIPING:

A. SCOPE - PROVIDE A SYSTEM OF SOIL, WASTE AND VENT PIPING CONNECTING ALL PLUMBING FIXTURES, EQUIPMENT, ETC. TO THE BUILDING DRAIN SYSTEM, WITH CONSOLIDATED VENT CONNECTIONS EXTENDING THROUGH THE BUILDING ROOF, ALL AS SHOWN ON THE DRAWINGS.

B. FREEZE PROTECT ALL EXPOSED SANITARY PIPING.

C. LAYING OUT WORK - VENTS FROM ANY FIXTURE, WHEN CONNECTED TO VENT LINE SERVING OTHER FIXTURES, SHALL BE EXECUTED AT LEAST SIX (6) INCHES ABOVE FLOOR LEVEL, RIM OF HIGHEST OR SUCH FIXTURES TO PREVENT USE OF VENT LINES AS A WASTE. MAKE CHANGES IN DIRECTION BY APPROPRIATE USE OF 45 DEGREE Y, 1/2" Y, OR LONG SUEEP 1/4, 1/6, 1/8 OR 1/16 BENDS. SANITARY TS OR SHORT 1/4 BENDS MAY BE USED ON VERTICAL STACKS OR DRAINAGE LINES WHERE CHANGE IN DIRECTION OF FLOW IS FROM HORIZONTAL TO VERTICAL EXCEPT THAT LONG-TURN TYS SHALL BE USED WHEN TWO FIXTURES ARE INSTALLED BACK TO BACK WITH COMMON DRAIN. STRAIGHT TS, ELLS AND CROSSES MAY BE USED ON VENT LINES. MAKE NO CHANGE IN DIRECTION OF FLOW GREATER THAN 90 DEGREES, WHERE DIFFERENT SIZES OF DRAINAGE PIPES OR FITTINGS ARE CONNECTED, USE STANDARD INCREASES AND REDUCERS OF PROPER SIZE. DO NOT REDUCE SIZE OF DRAINAGE PIPING IN DIRECTION OF FLOW. INSTALLED BACK TO BACK WITH COMMON DRAIN. STRAIGHT TS, ELLS AND CROSSES MAY BE USED ON VENT LINES. MAKE NO CHANGE IN DIRECTION OF FLOW GREATER THAN 90 DEGREES, WHERE DIFFERENT SIZES OF DRAINAGE PIPES OR FITTINGS ARE CONNECTED, USE STANDARD INCREASES AND REDUCERS OF PROPER SIZE. DO NOT REDUCE SIZE OF DRAINAGE PIPING IN DIRECTION OF FLOW. DRILLING AND TAPPING OF HOUSE DRAINS, SOIL, WASTE OR VENT PIPES, AND USE OF SADDLE HUBS AND BANDS ARE PROHIBITED.

D. DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED.

E. HANGERS - SUPPORT PIPE ADJACENT TO EACH FITTING AND ON CENTERS NOT EXCEEDING FIVE FEET WITH HANGERS AS SPECIFIED HEREINAFTER. RIGIDLY SUPPORT BASE OF VERTICAL RUNS WITH SOLID MASONRY OR CONCRETE.

F. IN ADDITION, PROVIDE ADEQUATE SWAY BRACING TO STABILIZE ALL COMPONENTS OF THE SYSTEM. PROVIDE SPECIAL SUPPORT FOR FIXTURE ARMS, CLOSET BENDS, ETC.

G. GRADING - UNIFORM AND NOT LESS THAN 1/8" PER FOOT FOR PIPE 4" AND OVER, AND NOT LESS THAN 1/4" PER FOOT FOR 2" AND 3" PIPING.

H. WASTE ARMS - PVC DWV OR IPS BRASS PIPE TYPICAL. IPS BRASS PIPE AT URINALS.

I. TEST FITTINGS - NOT SHOWN ON THE DRAWINGS. PROVIDE WHERE REQUIRED FOR PARTIAL TESTS.

J. PIPING TO BE CAST IRON OR PVC - DWV IN ACCORDANCE WITH FPC 2020 1TH EDITION.

3.3 WATER PIPING:

A. SCOPE - CONNECT TO UTILITIES AS SHOWN ON THE DRAWINGS AND COORDINATE WITH THE OWNER.

B. GENERAL WORKMANSHIP - CUT ACCURATELY TO MEASUREMENTS ESTABLISHED AT SITE AND WORK INTO PLACE WITHOUT SPRINGING OR FORCING. PROPERLY CLEARING ALL OPENINGS, FINISHED CEILING, ETC. ROUTE THROUGH PREVIOUSLY BUILT-IN SLEEVES AND AVOID EXCESSIVE CUTTING OR OTHER WEAKENING OF THE STRUCTURE. REAM ALL PIPE TO REMOVE BURRS. MAKE CHANGES IN DIRECTION AND SIZE WITH FITTINGS. CAP OR PLUG OPEN PIPE ENDS DURING INSTALLATION TO KEEP OUT FOREIGN MATERIAL. MAKE CONNECTIONS CAREFULLY TO INSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS AND TO PERMIT COMPLETE DRAINAGE OF THE SYSTEMS. FREEZE PROTECT ALL EXPOSED WATER PIPING.

C. GRADING - GRADE PIPE UPWARD FROM SOURCE TO FACILITATE DRAINAGE AND AIR RELIEF WHERE LOW POINTS ARE REQUIRED BECAUSE OF LONG RUNS OR WHERE SECTIONS MAY BE VALVED OFF. PROVIDE WITH 3/4" GLOBE VALVE AND HOSE NIPPLE FOR DRAINAGE AT LOW POINT. MAKE ALL CONNECTIONS TO RISERS AND FIXTURES FROM TOP OF MAINS.

D. NIPPLES - OF SAME MATERIAL AS PIPE IN WHICH THEY ARE INSTALLED. PROVIDE EXTRA STRONG WHEN UNTHREADED PORTION IS LESS THAN 1" LONG.

E. PIPING TO BE COPPER OR CPVC.

3.4 WATER PIPING SPECIALTIES:

A. UNIONS - 150 LB. RATED CAST BRASS GROUND-JOINT TYPE IN COPPER PIPE, GALVANIZED MALLEABLE IRON IN WROUGHT IRON OR GALVANIZED PIPE.

B. PROVIDE IN ALL SIZES OR THREADED PIPE, AND IN SWEAT JOINTED PIPE OVER 1" SO AS TO FACILITATE EASY REPAIRS. IN SUCH LINES INSTAL ADJACENT TO WATER HEATERS, PUMPS, TANKS, ETC. INTO WHICH PIPING IS TERMINATED AND ON AT LEAST ONE SIDE OF VALVES, COCKS, STRAINERS, ETC., AND OTHER DEVICES WHICH OCCUR IN PIPING RUNS.

C. PROVIDE DIELECTRIC UNIONS BETWEEN FERROUS AND NON-FERROUS PIPING (INCLUDING PIPING AND WATER HEATER STUBS WHERE DIFFERENT).

D. VALVES - PROVIDE WHERE SHOWN AND/OR SPECIFIED INCLUDING ALL FIXTURES OR EQUIPMENT NOT FURNISHED WITH STOPS. ALL VALVES OF EACH TYPE SHALL BE THE PRODUCT OF ONE MANUFACTURER, STOCKHAM UNITS AS INDICATED BELOW, OR EQUALS OR CRANE OR WALKWORTH. ALL VALVES SHALL BE RATED 200 LB. WUP.

E. BALL VALVES 2" AND SMALLER - 5-20T BR CAST BRONZE FOR THREADED PIPE.

F. SHOCK ABSORBERS - CERTIFIED BY PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-UH201. PROVIDE WHERE INDICATED.

G. WALL HYDRANTS (TYPICAL) - SEE FIXTURE SCHEDULE. FURNISH VACUUM BREAKER ON EACH HYDRANT.

H. YARD HYDRANTS (TYPICAL) - NON-FREEZE 3/4" CHROMIUM PLATED BRONZE HOSE BIBB WITH LOCKE KEY, WASTE W-8620 WITH INTEGRAL BACKFLOW PREVENTER OR APPROVED EQUAL. FURNISH VACUUM BREAKER ON EACH HYDRANT. INSTALL FLUSH WITH FINISH GRADE. SEE DRAWINGS FOR LOCATION.

I. PRESSURE REDUCING VALVES - WATTS/MUESCO SERIES 1 B AS SIZED ON DRAWING. FURNISH WITH WATTS NO. 715 OR TIF 1" TYPE STRAINER. CRANE OR STOCKHAM.

J. THERMOMETERS - "ANY ANGLE" TYPE WITH 3/8 INCH SCALE AND SUITABLE TEMPERATURE RANGE. AS MANUFACTURED BY TRECICE TYPE BX. THERMOMETERS SHALL BE MERCURY ACTUATED WITH FIBERGLASS CONDENSATE WITH ALUMINUM OR BRASS CASES AND 6" SOCKET WITH EXTENSION NECK. LOCATE SO AS TO BE CONVENIENT FOR READING. EQUAL PRODUCT BY WESKLER, MARSH OR MAXWELL. MOORE WILL BE ACCEPTED.

K. PRESSURE GAGES - BOURDON TUBE TYPE, AS MANUFACTURED BY TRECICE NO. 620 COMPLETE WITH CAST ALUMINUM CASE, NO. 872 VIBRATION OR PULSATION SNUBBER AND NO. 735 NEEDLE VALVE. GAGE DIALS SHALL BE NOT LESS THAN 4-1/2" AND CASES SHALL BE OF ALUMINUM ALLOY. FURNISH WITH SUITABLE PRESSURE RANGES FOR EACH APPLICATION. EQUAL PRODUCTS BY WESKLER, MARSH OR ASHCROFT WILL BE ACCEPTED.

L. VACUUM BREAKER - WATTS NO. 36A, CRANE OR STOCKHAM.

M. HOT WATER PIPING TO INSULATED PER FLORIDA PLUMBING CODE.

3.5 PIPE HANGERS AND SUPPORTS: PER FT FO

A. SPACING - INSTALL SUPPORTS AS REQUIRED TO PREVENT SAGS, BENDS OR VIBRATION IN ANY CASE PROVIDE WITHIN SIX INCHES OF ELBOWS AND VALVES, AT ENDS OF BRANCHES OVER FIVE FEET, AND ON CENTERS NOT EXCEEDING THE FOLLOWING:

1. COPPER TUBING - UP TO 1", 6 FEET; OVER 1", 8 FEET
2. STEEL PIPE - UP TO 1-1/4", 8 FEET; 1-1/2" AND 2", 10 FEET; 2" THROUGH 3-1/2", 12 FEET OVER 3-1/2", 16 FEET
3. CAST IRON PIPE - REFER TO SANITARY PIPING

B. EQUAL PRODUCTS - EQUIVALENT DEVICES BY GRINNELL, ELSEN, STOCKHAM OR CRANE WILL BE ACCEPTED.

C. HANGER RODS - OF MILD STEEL, THREADED AS REQUIRED. USE NOT SMALLER THAN 3/8" RODS FOR PIPE 2" AND UNDER, 1/2" RODS FOR PIPES 2-1/2" THROUGH 6" BUT GENERALLY AS STANARD FOR THE HANGER SELECTED. SUPPORT RODS WITH THREADED INSERTS, EXPANSION SHIELDS OR BEAM CLAMPS.

D. AT TYPICAL SUSPENDED HORIZONTAL PIPE - ADJUSTABLE CLEVIS OR SPLIT-RING TYPE, EQUAL TO FEE 4 MASON 235 OR 215.

E. WHERE IN CONTACT WITH COPPER PIPE - SAME AS ABOVE EXCEPT HANGERS COPPER PLATED.

F. VERTICAL PIPING ALONG WALL - FEE 4 MASON #46 RISER CLAMPS AT FLOORS AND #36 STAND-OFF BRACKETS TOGGLE BOXED TO WALL. PLACE UNDER HUBS OR COUPLINGS WHERE AT ALL POSSIBLE. GRINNELL OR WATTS.

G. ON INSULATED LINES - SIZE HANGER LOOPS TO FIT OVER INSULATION, AND PROVIDE 12" LONG, 22 GAUGE GALVANIZED SHEET METAL HALF-ROUND SADDLES TO PROTECT INSULATION.

H. SUPPORTS FOR WATER SUPPLY PIPING IN SPACES BEHIND PLUMBING FIXTURES - ABS BRACKETS AND U-BOLTS. SECURE THE TWO-PIECE BRACKETS TO CAST IRON STACKS. U-BOLTS SHALL BE SIZED TO BEAR ON THE PIPE. BRACKETS SHALL BE F 4 M BRACKET CO, OR EQUAL.

I. AT HORIZONTAL PIPING ALONG WALL - FEE 4 MASON #46 1-HOOKS.

3.7 FIXTURE SUPPORTS AND CONNECTIONS:

A. GENERAL - ALL FIXTURES INCLUDING LAVATORIES, URINALS, WATER CLOSETS, ELECTRIC WATER COOLERS, ETC., MUST BE SECURELY FASTENED TO THE WALLS OR FLOOR.

B. WALL MOUNTED FIXTURES - SUPPORT ALL WALL MOUNTED FIXTURES WITH 3/16" THICK X 3-1/2" HIGH PLATES FULL LENGTH OF FIXTURE, MOUNTED BEHIND WALL. WHERE FIXTURES ARE BACK TO BACK ON A SOLID WALL, MOUNT WITH BOLTS FROM FIXTURE HANGER TO FIXTURE HANGER. DO NOT USE TOGGLE BOLTS OR EXPANSION BOLTS EXCEPT AS NOTED. WHERE FIXTURES ARE MOUNTED ON SOLID WALLS FINISHED BOTH SIDES, INSTALL FIXTURE WITH PLATED TOGGLE BOLTS. WHERE FIXTURES ARE MOUNTED ON WELDED STUDS, EMPLOY 3/16" STEEL HANGER PLATES PLACED ON WALL BEFORE LATHING. PLATES SHALL BE 16" X 8" MINIMUM SIZE, AND SHALL HAVE WELDED-ON BOLT STUDS. WHERE FIXTURES ARE MOUNTED ON WOOD OR LIGHT GAUGE STEEL STUDS, EMPLOY FIBERGLASS TREATED BLOCKING OF 2 X 10 NOMINAL SIZE WELL SECURED INTO STUD LINE WITH NON-CORROSIVE FASTENERS. FIT BEHIND STUD FLANGES, USING ESPECIALLY PLACED STUDS AS REQUIRED.

C. FLOOR CONNECTIONS - PROVIDE FLOOR FLANGES, SCREWED OR CAULKED TO DRAINAGE PIPE. BOLT THE CONNECTION AND MAKE TIGHT TO FIXTURE WITH SETTING RING OR POLYETHYLENE GASKET FLANGE.

D. WASTE ARMS TO FIXTURES - AS SPECIFIED HEREINBEFORE, WHERE COPPER OR BRASS PIPE IS SPECIFIED, ALL JOINTS DOWNSTREAM FROM TRAP SHALL HAVE SOLDERED JOINTS.

E. STERILIZATION - THE COMPLETED SUPPLY LINE SHALL BE STERILIZED AS REQUIRED BY STATE LAW BEFORE ACCEPTANCE FOR DOMESTIC OPERATION.

DEMO NOTES:

REMOVE ALL EXISTING PIPING DOMESTIC WATER AND SANITARY SEWER. DO NOT REUSE ANY PIPING OR PIPING SPECIALTIES.

DEMO SANITARY SEWER 10' OUTSIDE BUILDING.

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ISSUE DATE: 02/15/2022	
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	ROBIN WINTON, PE FL 56206
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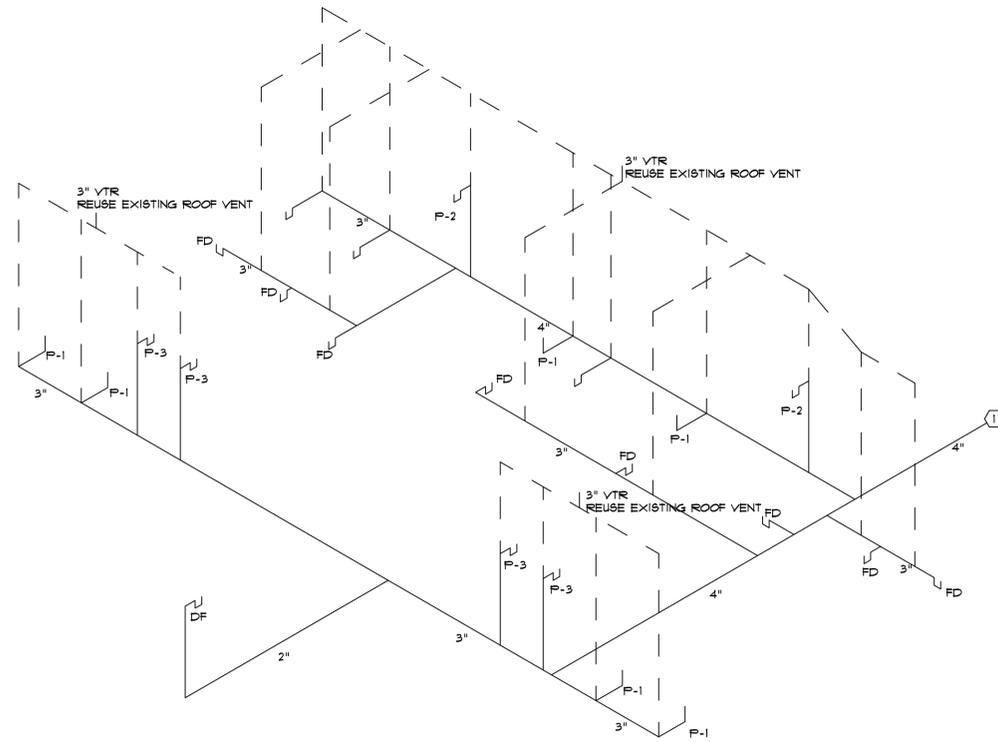
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GENERAL NOTES:
 GC TO CONFIRM INVERT ELEVATION OF EXISTING SEPTIC SYSTEM PRIOR TO INSTALLING ANY NEW LINES AND CONFIRM THAT ADEQUATE DROOP IS AVAILABLE. ADVISE ARCHITECT ASAP IF ANY ISSUES ARE OBSERVED.

THE WALLS BETWEEN THE SHOWERS DO NOT EXTEND UP TO THE CEILING. LINES SHOULD BE RUN ON TOP OF THE WALL.

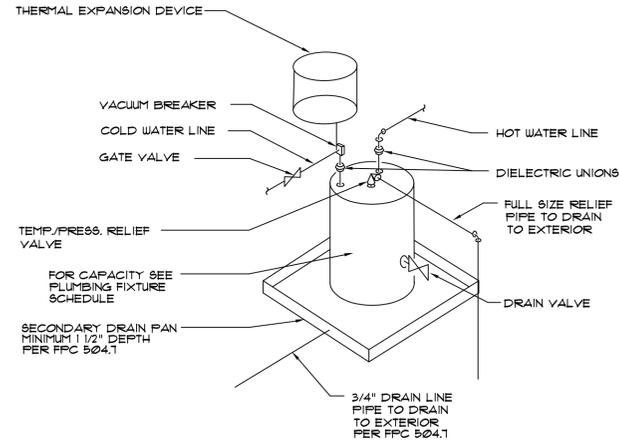
WHERE PLUMBING LINES NEED TO EXTEND FROM PLUMBING FIXTURES TO ABOVE THE EXISTING CLEARESTORY SCREENED OPENINGS, PIPES SHOULD BE RUN ALONG THE SUPPORTS BETWEEN THE VENTS AND BE SURFACE MOUNTED ALONG THE EXTERIOR WALL ABOVE THOSE OPENINGS (AND NOT IN FRONT OF ANY OPENING OR HUNG FROM CEILING). ANY SUCH OBSTRUCTIONS WILL HAVE TO BE REROUTED AT NO ADDITIONAL COST TO THE OWNER. RISERS AND FLOOR PLAN ARE DIAGRAMMATIC AND PIPES ARE SPACED AS TO BE SEEN ON THE PLANS. COORDINATE WITH ARCHITECT ON ISSUES THAT ARISE.

REUSE EXISTING VENT THRU ROOF. FIELD VERIFY EXACT LOCATION AND ROUTING.



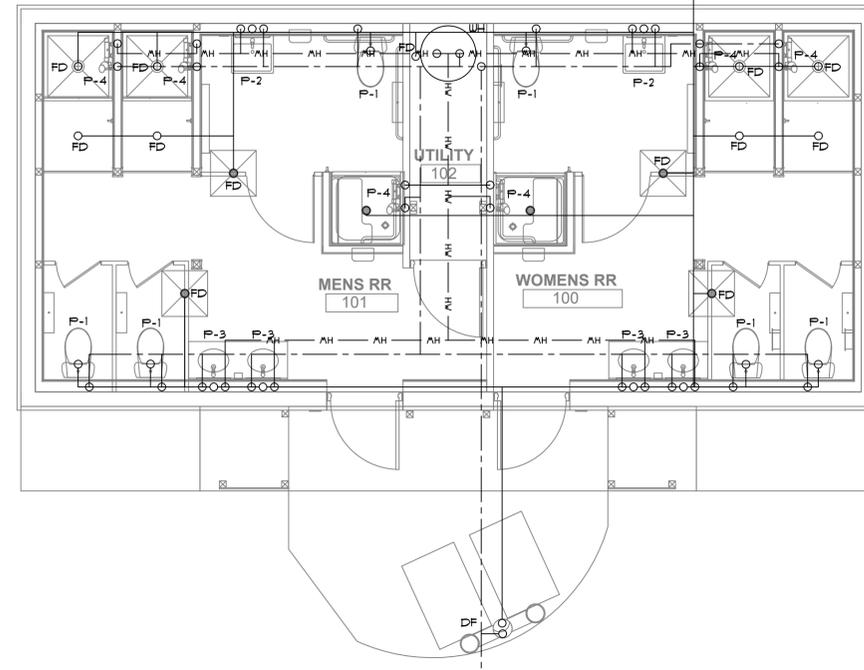
SANITARY SEWER RISER

SCALE: NTS



WATER HEATER DETAIL

N.T.S.

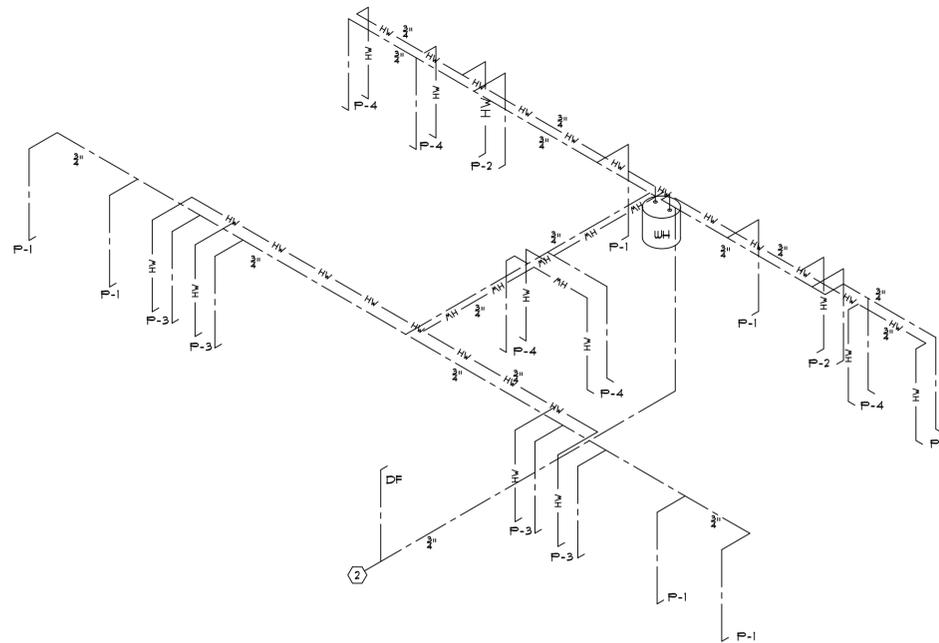


PLUMBING PLAN

SCALE: 1/4" = 1'0"

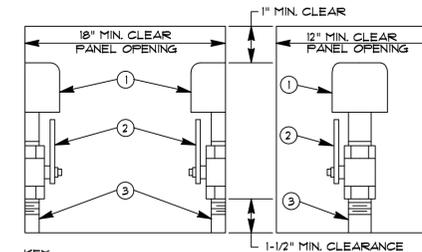
KEYNOTES:

- ① CONTINUE TO EXISTING SEPTIC SYSTEM WITH NEW PIPING. REFER TO CIVIL FOR EXACT LOCATION.
- ② CONNECT TO EXISTING WATER LINE SERVING BUILDING. FIELD VERIFY EXACT LOCATION AND ROUTING.
- ③ PROVIDE WATER HAMMER REFER TO DETAIL.



DOMESTIC WATER RISER

SCALE: NTS



KEY

- ① WATER HAMMER ARRESTOR
- ② BALL VALVE, SAME NOMINAL SIZE AS PIPE BRANCH IN CHASE. OPENING IN BALL VALVE TO MATCH PIPE I.D.
- ③ PIPE SAME SIZE AS BRANCH IN CHASE TO WHICH IT IS ATTACHED.

NOTE: PROVIDE REDUCER IF REQUIRED BETWEEN VALVE AND WATER HAMMER ARRESTOR.

TYPICAL WATER HAMMER PANEL INSTALLATION

SINGLE AND DOUBLE APPLICATION
 N.T.S.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	RUN-OUT SIZES			DESCRIPTION
		WASTE	CW	HW	
P-1	WATER CLOSET-ADA	3"	1"	-	KOHLER K-3493 HIGHLINE ELONGATED TOILET K-4650 LUBTRA ELONGATED OPEN-FRONT SEAT
P-2	WALL MOUNT LAVATORY - ADA	1-1/2"	1/2"	1/2"	KOHLER K-1991-4N BRENHAM PROVIDE CONCEALED WALL HANGER KOHLER K-1075-4 CENTERSET FAUCET PROVIDE A WATTS L786G THERMOSTATIC MIXING VALVE
P-3	DROP IN LAVATORY - ADA	1-1/2"	1/2"	1/2"	KOHLER K-2199-4 PORTRAIT KOHLER K-1075-4 CENTERSET FAUCET PROVIDE A WATTS L786G THERMOSTATIC MIXING VALVE
P-4	SHOWER	2"	1/2"	1/2"	MOEN PRESSURE BALANCING VALVE 9510 DELTA ADA TRIM KIT 51900 PROVIDE HIGH AND LOW AS REQUIRED PRO ADA PROVIDE FOLD-UP SEAT, GRAB BAR, AND ANY NECESSARY ACCESSORY FOR ADA STANDARD PER FLORIDA CODE
WH	WATER HEATER	-	1/2"	1/2"	AO SMITH DRE-120-12 246KW EACH HEATERS 120 GAL. 12 KW 240/1 2 HOUR RECOVERY TIME FOR WATER HEATER.
FD	FLOOR DRAIN	3"	-	-	JR SMITH 2210 PROVIDE BRONZE COVER
DF	DRINKING FOUNTAIN	2"	1/2"	-	HALSEY TAYLOR ENDURA II OUTDOOR HYDROBOOST MODEL 4430BFL

	DATE	REVISION	SYMBOL	DATE	REVISION
			C D		
ISSUE DATE: 02/15/2022	COMP. FILE NO.: 61281	STATE PROJECT NO.: 61281	SYMBOL	A B	
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PLUMBING PLAN					
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SHEET NO. P200					

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