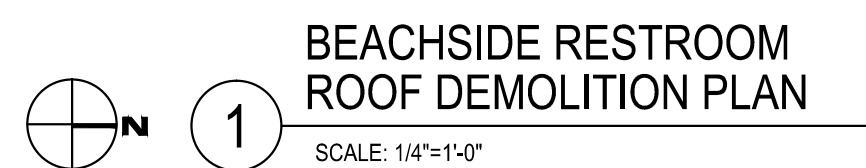



1. [] -DENOTES EXISTING WALLS TO REMAIN.
2. CONTRACTOR SHALL INSPECT AND VERIFY THE SCOPE OF WORK, ANY ADDITIONAL WORK NOT SPECIFICALLY NOTED ON THE DRAWINGS BUT BECOMES APPARENT UPON CAREFUL FIELD INSPECTIONS SHALL BE PART OF THIS CONTRACT.
3. PROVIDE SMOOTH UNDETECTABLE TRANSITION FROM EXISTING TO NEW CONSTRUCTION.
4. OWNER HAS FIRST SALVAGE RIGHTS TO ANY ELEMENT OF EXISTING CONSTRUCTION TO BE REMOVED DURING DEMOLITION OPERATIONS.
5. PATCH AND REPAIR ALL CONSTRUCTION TO REMAIN WHERE AFFECTED BY DEMOLITION OPERATIONS.
6. PROTECT CONSTRUCTION TO REMAIN FROM WEATHER INTRUSION, VANDALISM AND ALL OTHER RISKS CREATED BY DEMOLITION OPERATIONS.
7. FIELD VERIFY ALL DIMENSIONS ASSOCIATED WITH EXISTING CONSTRUCTION.
8. WHERE DEMOLITION OPERATIONS EFFECT STRUCTURAL SYSTEM COMPONENTS TO REMAIN, SHORE THESE COMPONENTS AS REQUIRED UNTIL NEW CONSTRUCTION IS IN PLACE.
9. ALL EXISTING STRUCTURAL SUPPORT COMPONENTS SHALL REMAIN INTACT EXCEPT AS OTHERWISE INDICATED.
10. REMOVE OR CAP AND ABANDON ALL ELECTRICAL WIRING IN WALLS TO BE REMOVED.
11. REMOVE OR CAP FOR FUTURE USE ALL PLUMBING LINES AND OUTLETS IN WORK TO BE DEMOLISHED.
12. PATCH ANY EXISTING CONSTRUCTION AS REQUIRED WHICH IS DAMAGED DUE TO THE INSTALLATION OF NEW FIXTURES, ELECTRICAL DEVICES, EQUIPMENT OR ANY OTHER COMPONENT.
13. PROTECT ALL EXISTING FINISHES TO REMAIN FROM DAMAGE FOR DURATION OF NEW CONSTRUCTION.
14. PATCH AND REPAIR EXISTING CEILINGS WHERE ELECTRICAL AND MECHANICAL DEVICES HAVE BEEN REMOVED OR RELOCATED. MATCH EXISTING.
15. MODIFIED STRUCTURAL MEMBERS ARE IN COMPLIANCE WITH FLORIDA BUILDING CODE 2007 W/ REVISION 2009. MEMBERS NOT DESIGNATED FOR ALTERATIONS WERE ASSUMED ADEQUATE. NO EXHAUSTIVE STUDIES WERE PERFORMED BY KARINS ENGINEERING GROUP, INC. (KEG) PRIOR TO THIS DESIGN TO UNCOVER ALL CONSTRUCTION DEFECTS OR CODE VIOLATIONS.

1. ROOF SHALL CONSIST OF PRE-ENGINEERED WOOD TRUSSES @ 24" O.C. U.N.O. TOP CHORD SHALL BE MIN. 2x6. SEE ARCH. DRAWINGS FOR SLOPING AND TRUSS PROFILES.
2. ROOF DIAPHRAGMS SHALL CONSIST OF 1/2" CDX APA RATED SHEATHING WITH 10d @ 6" PANEL EDGES AND INTERMEDIATE 4" @ CORNERS. 2X BLOCKING SHALL BE INSTALLED BETWEEN TRUSS CHORDS AT EACH END BEARING AND WITHIN 6" OF EACH INTERIOR BEARING POINT.
3. PROVIDE 1/2" CDX APA RATED SHEATHING ON UNDERSIDE OF TRUSSES EXPOSED TO WIND, FASTEN WITH 10d NAILS @ 6" O.C.
4. EXTERIOR WALL TRUSS SHEATHING SHALL CONSIST OF 1/2" CDX PLYWOOD FASTENED WITH 10d NAILS AT 6/4" SPACING WITH ALL PANEL EDGES BLOCKED, U.N.O. BY SPECIALTY ENGINEER.
5. PROVIDE CONTINUOUS 2x4 BOTTOM CHORD BRACING @ 10'-0" O.C. PERPENDICULAR TO SPAN OF TRUSS.
6. SPECIALTY ENGINEER REFER TO ARCHITECTURAL FOR REFLECTED CEILING PLAN.
7. CONTRACTOR VERIFY ALL CONNECTOR SIZES WITH SPECIALTY ENGINEER TRUSS DRAWINGS

CONCRETE BEAM SCHEDULE					
MARK	SIZE WxH: (IN)	REINFORCEMENT			
		TOP	MIDDLE	BOTTOM	
TB-1	8 x 16	(2) #5	-	(2) #5	#3@18" O.C.
TB-2	8 x 40	(2) #5	2x (2) #5	(2) #5	#3@18" O.C.
B-1	8 x 16	(2) #5	-	(2) #5	#3@7" O.C.

SPECIALTY ENGINEER VERIFY

09DS-0395.03

 Karins
Engineering
Group, Inc.

FL. Cert. of Auth. # 8371
2017 Fiesta Drive
Sarasota, FL 34231
(941) 927-8525 / Fax (941) 927-8075
John F. Bonacci, P.E., P.E.
FL. Registration # 63063

SEAL

TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPKTED ON THESE PLANS COMPLIES WITH APPLICABLE MINIMUM BUILDING CODES.

677 North Washington Blvd.
Suite 37
Sarasota, FL 34236
voice 941.952.5875
fax 941.957.3630
schenkelshultz.com
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Beach Side Restroom Renovation

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revisions:

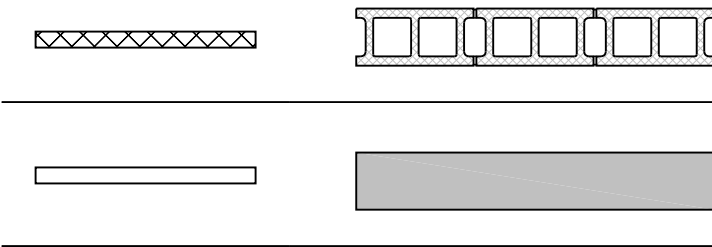
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checked: -
date: 04.13.2012
comm. no.: 0920829

RESTROOM - ROOF PLAN

S2.0

permit drawings

SYMBOLS



ARCHITECTURAL GENERAL NOTES

1. EACH CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AND OBTAIN ALL MEASUREMENTS REQUIRED FOR PROPER EXECUTION OF WORK. WHEN VERIFICATION OF EXISTING DIMENSIONS IS REQUIRED, THE CONTRACTOR REQUIRING SAID VERIFICATION FOR THE CONSTRUCTION OR FABRICATION OF HIS MATERIAL SHALL BE THE CONTRACTOR RESPONSIBLE FOR THE PROCUREMENT OF THE FIELD INFORMATION.
2. PROVIDE ALL WOOD BLOCKING NECESSARY FOR THE ATTACHMENT OF MISCELLANEOUS EQUIPMENT INCLUDING BUT NOT LIMITED TO TOILET ACCESSORIES, DOOR HARDWARE, ELECTRICAL DEVICES, LABORATORY EQUIPMENT, GRAB BARS, HANDRAILS, CASEWORK AND MILLWORK.
3. THE TRANSITION OF DIFFERENT FLOORING MATERIALS AT A DOORWAY SHALL OCCUR AT THE CENTERLINE OF DOOR UNLESS INDICATED OTHERWISE.
4. ALL WALL SURFACES, DOOR FRAMES, BULKHEADS AND CEILINGS SHALL RECEIVE PAINT WHEN PAINT IS INDICATED ON THE FINISH SCHEDULE OR FINISH PLANS. PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SAME AS SIMILAR EXPOSED SURFACES. PAINT SURFACES BEHIND PERMANENTLY FIXED EQUIPMENT OR FURNITURE WITH PRIME COAT ONLY BEFORE FINAL INSTALLATION OF EQUIPMENT. PAINT ALL MECHANICAL AND ELECTRICAL EQUIPMENT EXPOSED IN FINISHED SPACES UNLESS INDICATED OTHERWISE.
5. REPAIR ALL SURFACES DAMAGED BY RENOVATION AND NEW CONSTRUCTION TO MATCH EXISTING ADJACENT OR CONTIGUOUS FINISH.
6. ALL CUTTING AND PATCHING AS A RESULT OF NEW CONSTRUCTION OR DEMOLITION SHALL BE PERFORMED IN A WORKMANLIKE MANNER, AND SHALL MATCH IN COLOR, SHAPE, SIZE AND TEXTURE ADJACENT AND/OR CONTIGUOUS FINISHED SURFACES.
7. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED MEASUREMENTS. DO NOT SCALE DRAWINGS.
8. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
9. UNLESS OTHERWISE NOTED, PLAN DIMENSIONS ARE TAKEN FROM FACE OF -

SCHENKELSHULTZ
ARCHITECTURE

677 North Washington Blvd.
Suite 37
Sarasota, FL 34236
voice 941.952.5875
fax 941.957.3630
schenkelshultz.com
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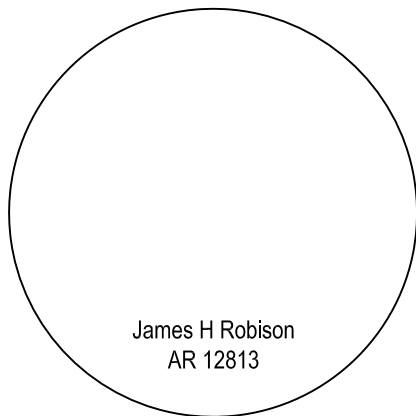
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checked: KD
date: 04.13.12
comm. no.: 0920829

INFORMATION SHEET

A001

Permit drawings

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Beach Side Restroom Renovation

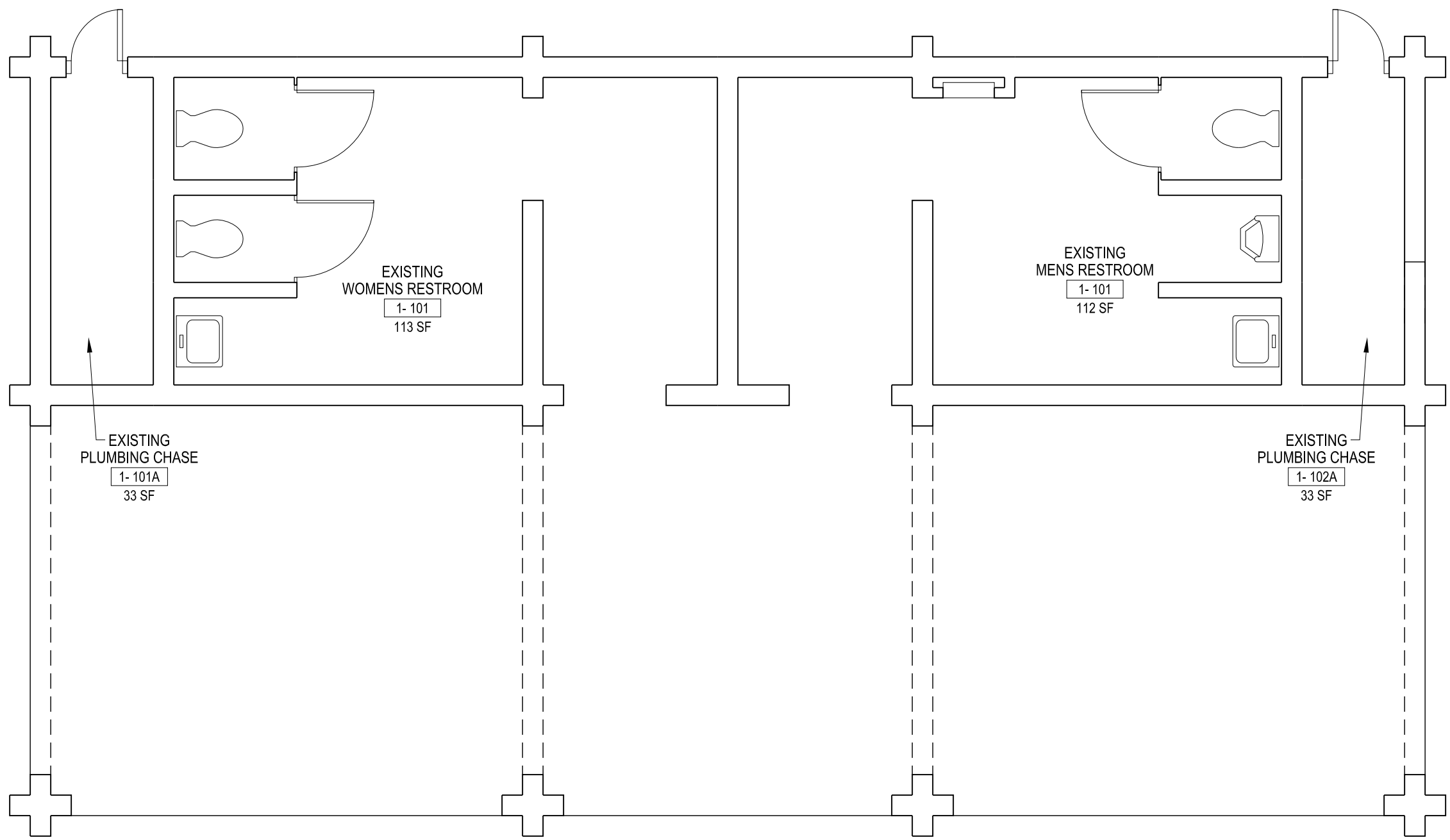
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checked: KD
date: 04.13.12
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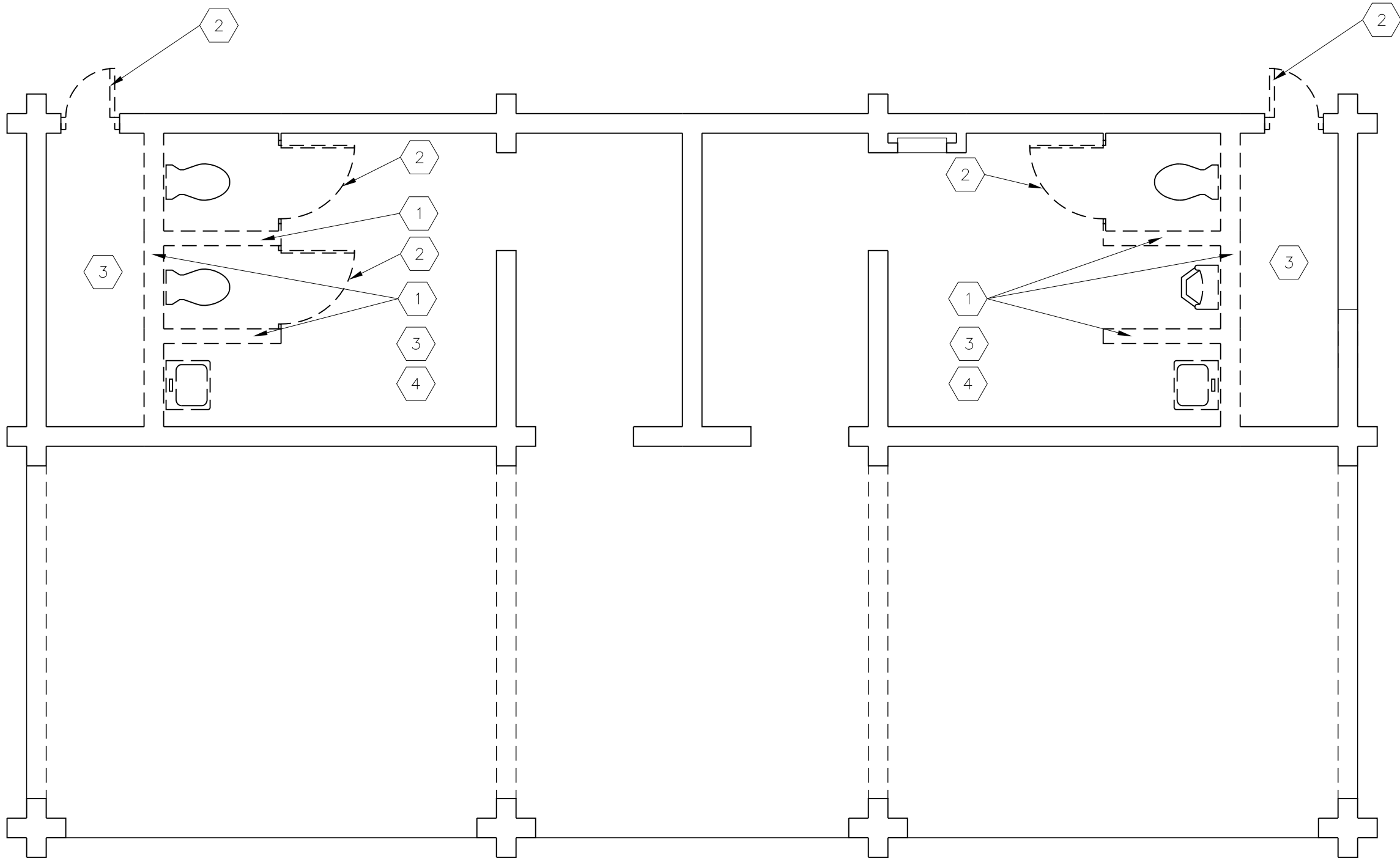
FLOOR PLANS

A101

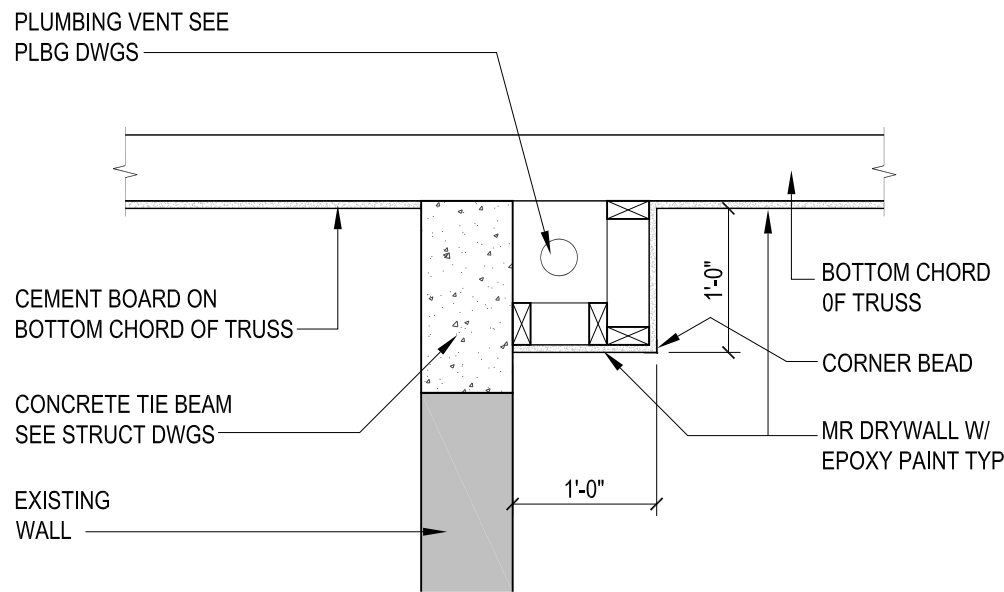
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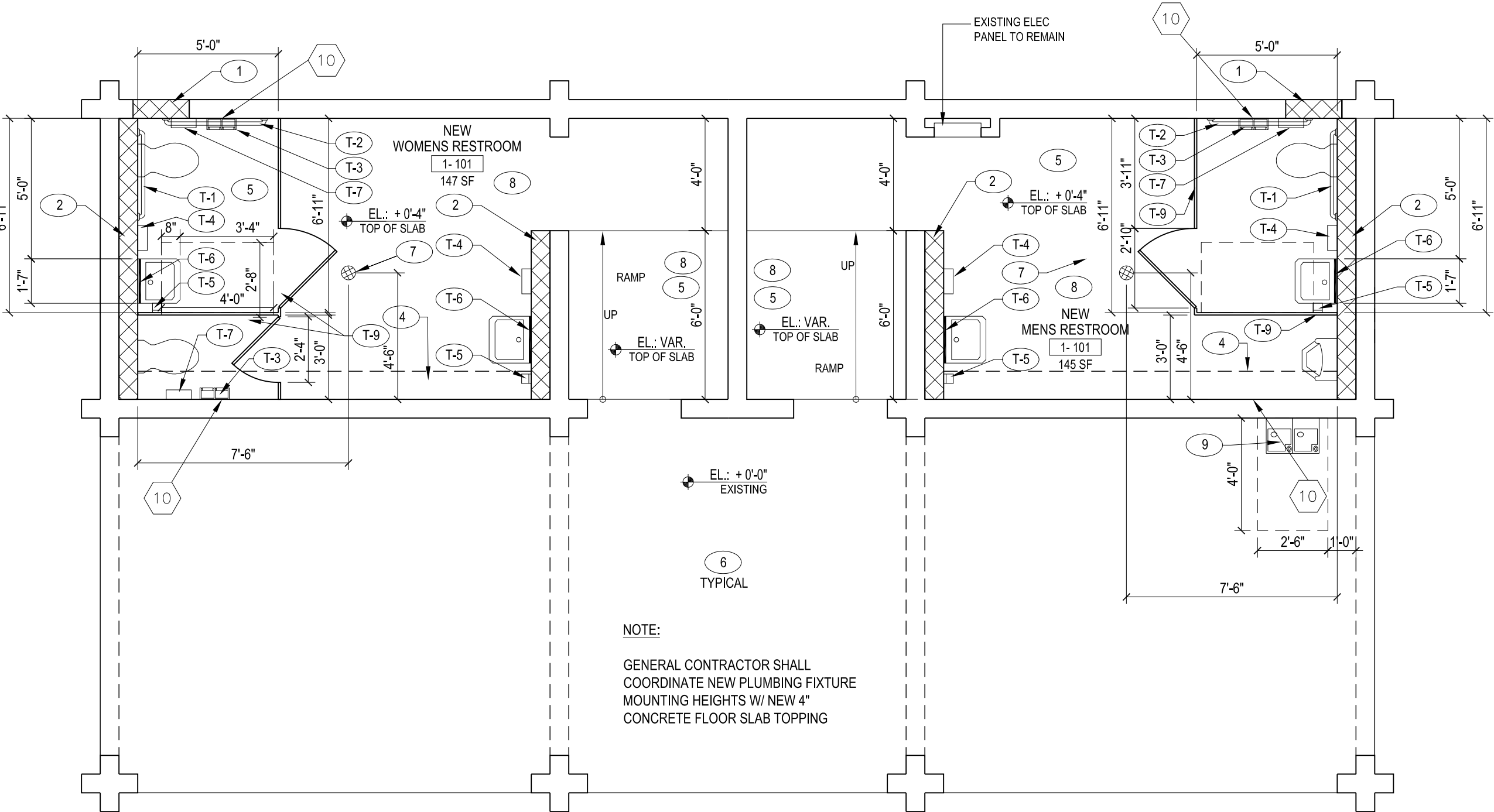
1 BEACH SIDE RESTROOMS
EXISTING FLOOR PLAN
1/4"=1'-0"



2 BEACH SIDE RESTROOMS
DEMOLITION FLOOR PLAN
1/4"=1'-0"



4 SOFFIT DETAIL
3/4" = 1'-0"



3 BEACH SIDE RESTROOMS
FLOOR PLAN
1/4"=1'-0"

WALL LEGEND

	EXISTING CMU WALL
	NEW CMU WALL

DEMOLITION NOTES:

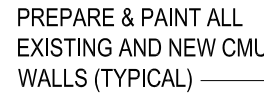
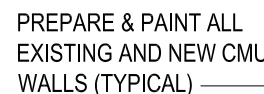
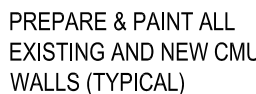
1. REMOVE EXISTING INTERIOR NON-LOAD BEARING WALL. COORDINATE WITH STRUCTURAL DRAWINGS AND DETAILS.
2. REMOVE EXISTING DOOR AND FRAME.
3. REMOVE AND CAP OFF ALL PLUMBING NOT TO BE USED BY THE NEW PLAN LAYOUT. REMOVE ALL FIXTURES, FINISHES AND ACCESSORIES. COORDINATE WITH PLUMBING DRAWINGS.
4. REMOVE PORTION OF THE EXISTING SLAB FOR NEW PLUMBING. COORDINATE THE LOCATION OF THE SLAB ALTERATION WITH PLUMBING DRAWINGS. REPAIR AND PATCH PER STRUCTURAL DETAILS.

TOILET ACCESSORY SCHEDULE

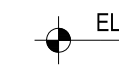
TAG	ACCESSORY	MTG HGT	MODEL NO.
T-1	HORIZONTAL GRAB BAR - 36"	33" TO Φ	B-6806
T-2	HORIZONTAL GRAB BAR - 42"	33" TO Φ	B-6806
T-3	TOILET TISSUE DISPENSER	19 3/4" TO TOP	B-2740
T-4	ELECTRIC HAND DRYER	54" TO TOP	SEE SPECS
T-5	SURFACE MOUNTED SOAP DISPENSER	50 5/8" TO TOP	B-132
T-6	CHANNEL FRAME MIRROR	40" TO BOTTOM	B-165
T-7	SANITARY NAPKIN DISPENSER	25" TO 30" TOP	B-270
T-8	UTILITY SHELF W/ MOP/BROOM HOLDERS	72" AFF	B-239
T-9	TOILET PARTITION	SEE SPECS	

Key Plan Notes

1. NEW 8" x 8" x 16" CMU (TYPICAL "U.N.O.") EXTERIOR WALL. SEE STRUCTURAL DRAWINGS FOR WALL DESCRIPTION. PREPARE & PAINT
 2. NEW 8" x 8" x 16" CMU (TYPICAL "U.N.O.") INTERIOR WALL. SEE STRUCTURAL DRAWINGS FOR WALL DESCRIPTION. PREPARE & PAINT
 3. EXISTING CMU WALL TO REMAIN. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
 4. SOFFIT FOR VENT PIPE SEE 4/A101.
 5. INTERIOR SURFACES (WALLS AND CEILINGS) SHALL BE PAINTED WITH EPOXY PAINT PER SPECIFICATIONS. FOR COLOR COORDINATE WITH OWNER/ARCHITECT.
 6. PREPARE & PAINT ALL EXISTING & NEW CMU WALLS. SEE SPECIFICATIONS.
 7. NEW FLOOR DRAIN TO TIE INTO EXISTING WASTE PLUMBING LINES. REFER TO SHEET P101.
 8. SEAL EXISTING/NEW FLOOR SLAB PER SPECIFICATIONS.
 9. HI-LOW DRINKING FOUNTAIN PER SPECIFICATIONS & SHEET P101.
 10. PATCH & REPAIR CMU WALLS WHERE EXISTING WALL REMOVED PRIOR TO PAINTING.
- * UNLESS NOTED OTHERWISE


$$\overline{1/4'' = 1' - 0''}$$

$$\overline{1/4'' = 1'-0''}$$

$$\frac{1}{4}'' = 1' - 0$$


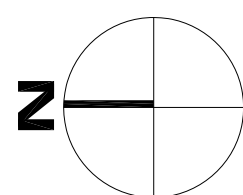
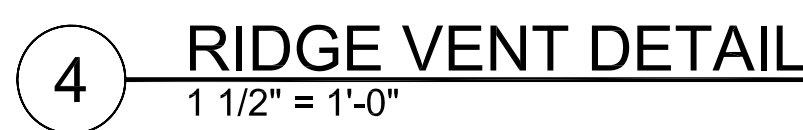
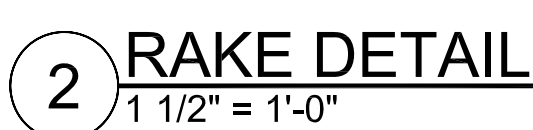
1/4"=1'-0"


$$1/4'' = 1' - 0''$$

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A102



GENERAL NOTES ELECTRICAL

GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS.

1. DO NOT SCALE FROM THESE DRAWINGS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
3. THE DIVISION 26 CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES TO ASSURE PROPER CLEARANCES FOR EQUIPMENT AND TO KEEP THE JOB PROGRESSING.
4. ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTIVE CEILING PLANS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS.
5. ALL EXTERIOR WIRING DEVICES TO BE WEATHERPROOF AND SHALL BE G.F.I. TYPE.
6. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC IN NATURE. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NEC AND FOR COORDINATION WITH OTHER DISCIPLINES.
7. ALL FLUORESCENT LIGHT FIXTURES SHALL BE FURNISHED WITH INTEGRAL FUSING.
8. PROVIDE 2#12AWG + 1#12AWG EQUIPMENT GROUND COPPER IN 3/4" CONDUIT FOR ALL 120V BRANCH CIRCUITS U.O.N.. PROVIDE #10AWG COPPER CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET.
9. ALL FREE--WIRED CABLING SHALL BE PLENUM--RATED UNLESS OTHERWISE NOTED.
10. ALL ELECTRICAL DEVICES AND ASSOCIATED COVERPLATES SHALL BE WHITE UNLESS OTHERWISE NOTED.
11. ALL EQUIPMENT ABOVE 49V SHALL BE INSTALLED ABOVE FEMA FLOOD PLAN ELEVATION. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE	MCA	MINIMUM CIRCUIT AMPS
1PH	SINGLE--PHASE	MCB	MAIN CIRCUIT BREAKER
3PH	THREE--PHASE	MDP	MAIN DISTRIBUTION PANEL
A OR AMP	AMPERE	MIN	MINIMUM
AFB	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	MOCP	MAXIMUM OVER CURRENT
AIC	AMPERE INTERRUPTING		PROTECTION
	CAPACITY	NEC	NATIONAL ELECTRICAL CODE
AMP	AMPERE	[N]	NEW
AWG	AMERICAN WIRE GAUGE	[NL]	NEW LOCATION OF EXISTING
CB	CIRCUIT BREAKER	PH	PHASE
CKT	CIRCUIT	PNL	PANEL
CLG	CEILING (TYPICALLY CEILING MOUNTED)	[R]	EXISTING TO BE REMOVED
CM	CONSTRUCTION MANAGER	[RL]	EXISTING TO BE RELOCATED
CU	COPPER	[RP]	EXISTING TO BE REPLACED
EQPT	EQUIPMENT	RMC	RIGID METAL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	SPD	SURGE PROTECTION DEVICE
[E]	EXISTING TO REMAIN	TBD	TO BE DETERMINED
FA	FIRE ALARM	TYP	TYPICAL
FACP	FIRE ALARM CONTROL PANEL	UON OR UNO	UNLESS OTHERWISE NOTED
FLA	FULL LOAD AMPS	UPS	UNINTERRUPTIBLE POWER
G OR GRD	GROUND	V	VOLTS
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VA	VOLT AMPERE
		VFD	VARIABLE FREQUENCY DRIVE
HP	HORSE POWER	WP	WEATHERPROOF, FULLY GASKETED ALUMINUM BACKBOX
J-BOX	JUNCTION BOX		WITH IMC RACEWAY AND THREADED FITTINGS. PROVIDE COMPONENTS WITH U.L. WET LABEL
KVA	KILOVOLT AMPERE	XFMR	TRANSFORMER
KW	KILOWATT		
kWh	KILOWATT HOUR		
LC	LOAD CENTER		
LED	LIGHT EMITTING DIODE		
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT		

NOTE: NOT ALL SYMBOLS SHOWN ON LEGEND ARE USED ON FLOOR PLANS.

WIRING DEVICES -- REFER TO THE SPECIFICATIONS

NOTE: RECEPTACLES SHALL BE VERTICALLY MOUNTED WITH THE GROUND PIN HOLE LOCATED AT THE "TWELVE O'CLOCK" (TOP OF DEVICE) POSITION U.N.O.

NOTE: THE FOLLOWING ABBREVIATIONS APPLY TO WIRING DEVICES WHERE INDICATED:

"EW" INDICATES DEVICE MOUNTED BEHIND ELECTRIC WATER COOLER ENCLOSURE. COORDINATE DEVICE LOCATION WITH PLUMBING CONTRACTOR AND APPROVED PLUMBING SHOP DRAWINGS PRIOR TO ROUGH-IN.

"WP" INDICATES WEATHERPROOF FULLY GASKETED CAST ALUMINUM BACKBOX, IMC RACEWAY WITH THREADED FITTINGS AND UL WET LABELED "IN--USE" COVER. PROVIDE THOMAS AND BETTS RED DOT CODE KEEPER No. CKSGV SERIES. PAINT TO MATCH BUILDING COLOR. ALL RECEPTACLE COVERS TO BE NEMA 3R RATED AND LOCKABLE.

☐ SPECIFICATION GRADE TAMPER--RESISTANT GFCI TYPE DUPLEX RECEPTACLE, 20 AMP, HEAVY DUTY, SURFACE MOUNT 36" AFF TO CENTER OF BACKBOX U.N.O.

☐ SPECIFICATION GRADE TAMPER--RESISTANT GFCI TYPE DUPLEX RECEPTACLE, 20 AMP, HEAVY DUTY, SURFACE MOUNT ABOVE SINK, COUNTER, CASEWORK, ETC. INSTALL AT 48" AFF U.O.N.. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND/OR EXISTING CONDITIONS PRIOR TO ROUGH--IN.

☐ SPECIFICATION GRADE TAMPER--RESISTANT GFCI TYPE DOUBLE DUPLEX RECEPTACLE WITH COMMON COVERPLATE, 20 AMP, HEAVY DUTY, SURFACE MOUNT ABOVE SINK, COUNTER, CASEWORK, ETC. INSTALL AT 48" AFF U.O.N.. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND/OR EXISTING CONDITIONS PRIOR TO ROUGH--IN.

POWER DISTRIBUTION

PNL EXISTING PANELBOARD

→ HOMERUN TO PANELBOARD WITH CIRCUIT(S) INDICATED. PROVIDE 2#12 CU, 1#12 CU GROUND IN 3/4" CONDUIT U.N.O. ON DRAWINGS AND/OR IN SPECIFICATIONS

ELECTRICAL LEGEND

LIGHTING FIXTURES -- REFER TO THE LIGHTING FIXTURE SCHEDULE

NOTE: THE FOLLOWING ABBREVIATIONS APPLY TO LIGHTING FIXTURES WHERE INDICATED:

"NL" INDICATES NIGHT LIGHT

UPPER CASE LETTER (i.e. 'A') INDICATES FIXTURE TYPE.

NUMBER (i.e. 1) INDICATES BRANCH CIRCUIT NUMBER.

LOWER CASE LETTER (i.e. 'o') INDICATES SWITCH CONTROLLING FIXTURE.

☒ FLUORESCENT LIGHTING FIXTURE, 1'x4', SURFACE MOUNT TO CEILING

☒ SINGLE FACE EXIT SIGN WITH BATTERY PACK. CONNECT TO UNSWITCHED PHASE CONDUCTOR OF GENERAL LIGHTING CIRCUIT USED IN SPACE WHERE FIXTURE IS SHOWN OR TO CIRCUIT INDICATED

☒ DUAL HEAD EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK, WALL MOUNT 7'-6" AFF OR 6" BELOW CEILING TO TOP OF BACKBOX, WHICHEVER IS LOWER U.N.O.. CONNECT TO UNSWITCHED PHASE CONDUCTOR OF GENERAL LIGHTING CIRCUIT USED IN SPACE WHERE FIXTURE IS SHOWN OR TO CIRCUIT INDICATED

SWITCHES (FINAL COLOR SELECTION BY ARCHITECT)

§ SINGLE POLE SWITCH, RECESS MOUNT 44" AFF TO CENTER OF BACKBOX. LOWER CASE LETTER (i.e. 'o') INDICATES THE FIXTURE(S) CONTROLLED BY THE SWITCH.

OCCUPANCY SENSOR (FINAL COLOR SELECTION BY ARCHITECT)

☒ PROVIDE COMMERCIAL GRADE OCCUPANCY SENSOR FOR LIGHTING CONTROL. SEE LIGHTING CONTROL SCHEDULE FOR DEVICE DETAILS. BASIS OF DESIGN IS WATTSTOPPER.

MISCELLANEOUS

☐ (A) DETAIL INDICATOR. REFER TO REFERENCED DETAIL

☐ (N) NOTE INDICATOR. REFER TO THE "KEY NOTES" WHERE INDICATED

SCHENKELSHULTZ

ARCHITECTURE

677 North Washington Blvd.
Sarasota, FL 34235
voice 941.952.5875
fax 941.957.3630
schenkelshultz.com
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ME3

CONSULTING ENGINEERS, LLC

11065 Gatewood Drive, Suite 104
Bradenton, FL 34211
Tel: 941-748-1319 Fax: 941-748-1349
www.me3-engr.com einfo@me3-engr.com
Designed: B.P.Z. ME3 Job No: 10-0195-03
Checked: S.T.P. Date: 10/22/2010
Drawn: B.P.Z. C.O.A. 2/2002
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TO THE BEST OF MY KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH ALL APPLICABLE BUILDING CODES.

BRYAN P. ZAPP, P.E.
FL# 46141

Coquina Beach

2650 Gulf Drive South

Bradenton, Florida 34217

Beach Side Restroom Renovation

Manatee County Government

1112 Manatee Avenue West
Bradenton, Florida 34208

revisions:

drawn: bz
checked: bz
date: 04.13.2012
comm. no.: 0920829

ELECTRICAL LEGEND

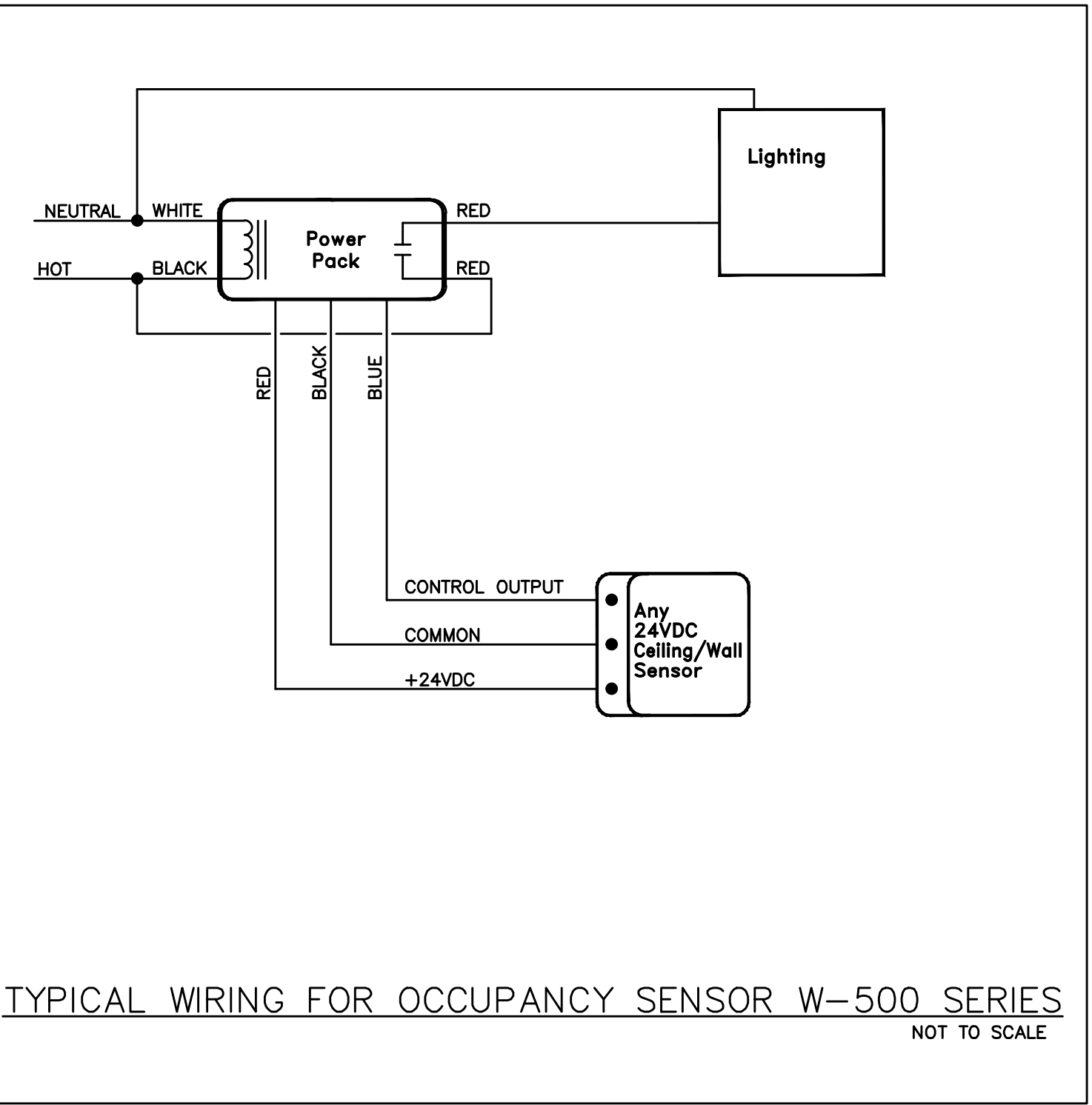
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permit drawings

OCCUPANCY SENSOR LEGEND AND SCHEDULE MANATEE COUNTY PARKS AND RECREATION			
TYPE	DESCRIPTION	MANUFACTURER/ CATALOG NUMBER	SEE SCHEDULE NOTES
⑤➔	CEILING MOUNTED, ULTRASONIC OCCUPANCY SENSOR, 24V, TWO-SIDED, UP TO 360 DEGREES AND 500 SQUARE FEET OF DETECTION AND ADJUSTABLE "LIGHTS OFF" TIME SELECTION	WATTSTOPPER W-500A SERIES	1,2

- GENERAL NOTES:
- A. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
- B. ULTRASONIC CEILING MOUNTED SENSORS REQUIRE THEY BE LOCATED NO CLOSER THAN SIX FEET TO HVAC SUPPLY/RETURN REGISTERS.
- C. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR THE FINAL PROPER SENSITIVITY AND TIME DELAY SETTINGS, VERIFICATION OF MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT. IF NO DIRECTION IS GIVEN AND UNLESS OTHERWISE DIRECTED BY THE OWNER/TENANT, SET THE SENSITIVITY TO MAXIMUM AND THE TIME DELAY TO 30 MINUTES FOR EACH SENSOR.
- D. PROVIDE A COMPLETE SUBMITTAL PACKAGE TO THE ENGINEER INCLUDING .DWG FILES FOR WIRING DIAGRAMS.
- E. PROVIDE ACCESS DOOR OR PANELS TO POWER PACKS ABOVE GYPBOARD CEILINGS.
- F. PROVIDE A CIRCULAR ORANGE (DOT) STICKER ON THE GRID OR ACCESS DOOR TO MARK THE LOCATION(S) OF THE POWER PACK(S) FOR FUTURE OWNER/TENANT MAINTENANCE.

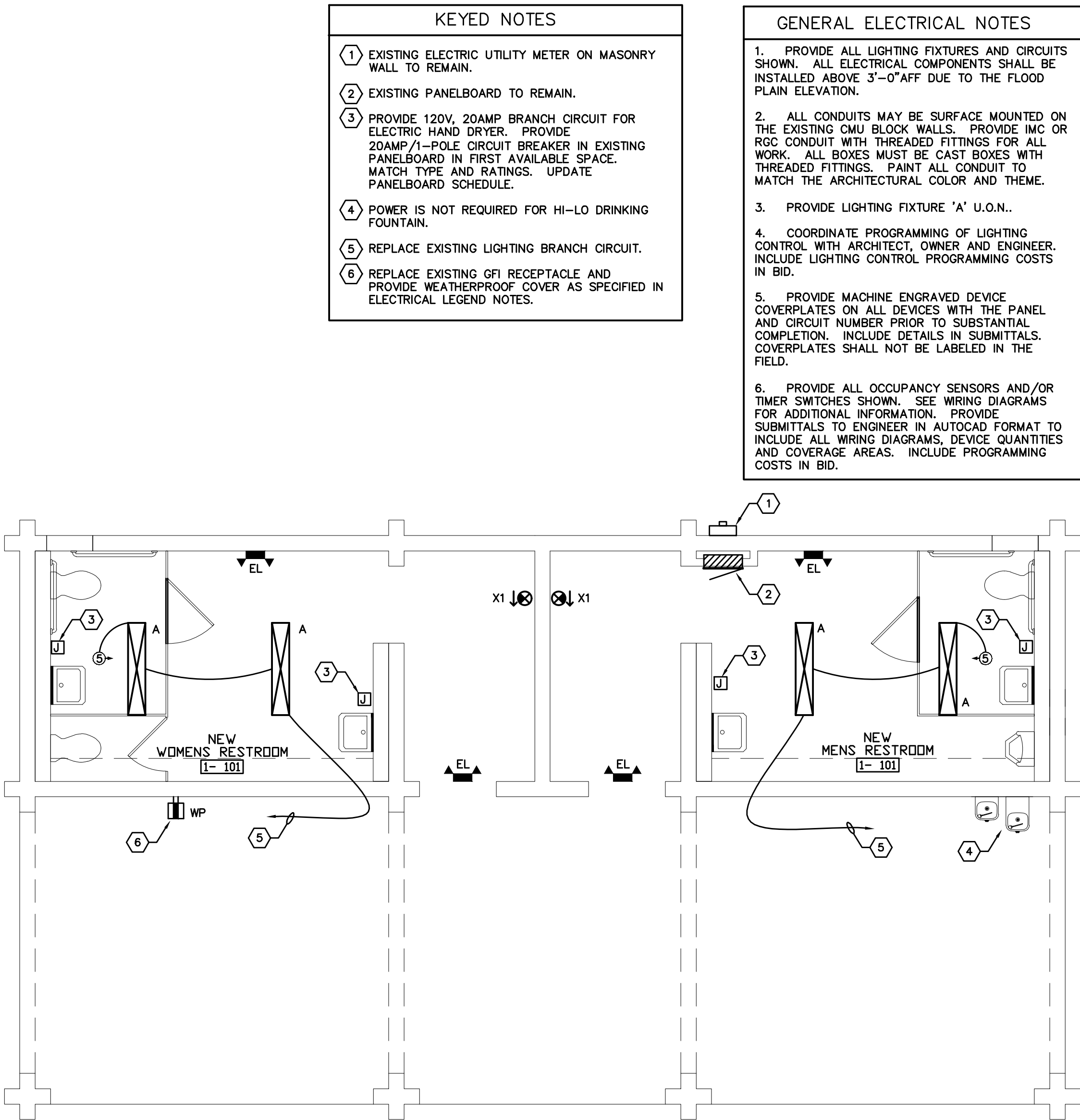
- SCHEDULE NOTES (APPLICABLE WHERE REFERENCED):
1. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR THE FINAL FIELD VERIFICATION OF THE REQUIRED NUMBER OF POWER PACKS. THE DIVISION 26 CONTRACTOR SHOULD PROVIDE:
- A. PROVIDE ONE POWER PACK PER SENSOR FOR EACH SPACE/AREA THAT IS TO BE CONTROLLED. PROVIDE AN ADDITIONAL POWER PACK FOR EACH EXHAUST FAN IN THE SAME SPACE AS THE SENSOR. WIRE THESE IN PARALLEL.
- B. IF REQUIRED, PROVIDE ADDITIONAL POWER PACKS WHERE THE MAXIMUM NUMBER OF SENSORS THAT CAN BE WIRED IN PARALLEL TO A SINGLE POWER PACK IS DEPENDENT ON SENSOR MODEL (SEE INDIVIDUAL DATA SHEETS FOR mA CONSUMPTION).
2. DEVICE SHOULD BE WHITE IN COLOR - FINAL COLOR SELECTION BY ARCHITECT.



LIGHTING FIXTURE SCHEDULE – MANATEE COUNTY PARKS & RECREATION

FIX. TYPE	DESCRIPTION	MANUFACTURER / CATALOG NUMBER	VOLTS	LAMP INFORMATION		TOTAL INPUT WATTS	SEE SCHEDULE NOTES
				QTY	TYPE		
A	4 FT LONG FLUORESCENT EXTREME ENVIRONMENT, VANDAL RESISTANT VAPORTIGHT, IP65 RATED, WITH ELECTRONIC BALLAST AND STAINLESS HARDWARE	COLUMBIA FNPS4-232-PADR-EPU-GLR-MLID	120	2	32W T8-4100K	60W	4
		DAY BRITE LIGHTING EQUIVALENT					
		COOPER LIGHTING EQUIVALENT					
EL	VANDAL RESISTANT DUAL HEAD EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND WIRE GUARD	DUAL LITE EZ-2I-VRS-WGEL	120	---	FACTORY INSTALLED LAMPS	20W	1,2
		DAY BRITE LIGHTING EQUIVALENT					
		COOPER LIGHTING EQUIVALENT					
X OR X1	VANDAL RESISTANT SINGLE FACE EXIT SIGN WITH GREEN LETTERS, BATTERY PACK AND WIRE GUARD	DUAL LITE SC30WE-WGLX	120	---	FACTORY INSTALLED LAMPS	3.5W	1,2,3
		DAY BRITE LIGHTING EQUIVALENT					
		COOPER LIGHTING EQUIVALENT					

- GENERAL NOTES:
- A. FIXTURES PROPOSED AS EQUIVALENT TO SPECIFIED FIXTURES SHALL BE JUDGED ON EFFICIENCY, PERFORMANCE AND CONSTRUCTION, NOT FIXTURE CONSTRUCTION ALONE. THE ENGINEER WILL RESERVE THE RIGHT TO DETERMINE FIXTURE EQUIVALENTS BASED ON THE GRADE OF FIXTURES SUBMITTED AND THEIR CATALOG SERIES.
- B. LIGHTING FIXTURE SUBMITTAL CUT SHEETS SHALL INCLUDE INFORMATION ON HOW THE FIXTURE CATALOG NUMBER IS COMPILED AND SHALL INCLUDE CUT SHEETS OF ALL OPTIONAL COMPONENTS, SUCH AS DRY WALL FRAME-IN-KITS, ETC. PROVIDE FIXTURE INPUT WATTS AND LUMEN OUTPUTS FOR EACH FIXTURE TYPE SUBMITTED.
- C. LIGHTING FIXTURES SHALL BE SUPPORTED PER NEC ARTICLE 410 WHERE APPLICABLE.
- D. PROVIDE PROGRAMMED START ELECTRONIC BALLAST(S) FOR FLUORESCENT LIGHTING FIXTURES FROM ONE OF THE FOLLOWING MANUFACTURERS: SYLVANIA #0HE2X32T8 SERIES OR ADVANCE #VON2S32S35M SERIES. NO OTHER SUBSTITUTIONS ARE PERMITTED REGARDLESS OF FIXTURE CATALOG NUMBER NOMENCLATURE. PROVIDE UNIVERSAL BALLAST VOLTAGE REGARDLESS OF CATALOG NUMBER.
- E. PROVIDE FLUORESCENT FIXTURES MOUNTED OUTSIDE BUILDING WITH A COLD WEATHER BALLAST REGARDLESS OF FIXTURE CATALOG NUMBER.
- F. PROVIDE FLUORESCENT FIXTURES WITH INLINE FUSE(S) LOCATED ON LINE SIDE OF FIXTURE BALLAST REGARDLESS OF FIXTURE CATALOG NUMBER.
- G. PROVIDE LAMPS FOR FLUORESCENT LIGHTING FIXTURES FROM ONE OF THE FOLLOWING MANUFACTURERS: OSRAM/SYLVANIA OR PHILLIPS. THE T8 LAMPS SPECIFIED ARE FOUR FEET IN LENGTH UNLESS NOTED OTHERWISE. NO OTHER SUBSTITUTIONS ARE PERMITTED. ALL FLUORESCENT LAMPS SHALL BE OF THE LOW MERCURY TYPE, SUCH THAT THE AVERAGE MERCURY CONTENT IS LESS THAN 70 PICOGRAMS OF MERCURY PER LUMEN-HOUR OF LIFE. LAMPS FOR H.I.D FIXTURES SHALL BE FROM THE SAME MANUFACTURER AS THE FLUORESCENT LAMPS.
- H. MANUFACTURER'S REPRESENTATIVE FOR MOST OF THE ABOVE PRODUCT LINES IS WESTERN FLORIDA LIGHTING, TAMPA. CONTACT JEFF MORRIS FOR ASSISTANCE IN SUBMITTAL PREPARATION.
- I. THE ONLY LIGHTING FIXTURE MANUFACTURERS (AND THEIR ASSOCIATED DOWNSTREAM PRODUCT LINES) APPROVED FOR THIS PROJECT INCLUDE DAY-BRITE, COOPER AND HUBBELL LIGHTING.
- J. NOT ALL OF THE FIXTURES SCHEDULES MAY BE SPECIFIED FOR THIS PORTION OF THE PROJECT.
- SCHEDULE NOTES: (APPLICABLE WHERE REFERENCED)
1. COORDINATE COLOR WITH ARCHITECT AT SHOP DRAWING STAGE. FINAL FIXTURE COLOR SELECTION BY ARCHITECT.
2. PROVIDE HARDWARE AS REQUIRED FOR THIS FIXTURE TO BE WALL MOUNTED.
3. CONTRACTOR SHALL COORDINATE DIRECTION OF ARROW(S) ON FACE OF EXIT SIGN(S) PRIOR TO ORDERING SIGNS. SEE LIGHTING FLOOR PLANS FOR QUANTITY AND DIRECTION OF ARROW(S).
4. PROVIDE THE METAL STRUT AND HARDWARE REQUIRED TO INSTALL THE FIXTURES FROM THE STRUCTURAL FRAMING.



BEACH SIDE RESTROOMS
ELECTRICAL FLOOR PLAN

1

1/4"=1'-0"

ELECTRICAL LOAD SUMMARY	
SUM OF LOADS REMOVED:	240W
LOADS ADDED:	6240W
NET TOTAL INCREASE/DECREASE:	6000W
AMPERES PER PHASE @ 240V, 1-PHASE:	26 AMPS
THEREFORE, LOADS REMAIN SATISFACTORY UPON PROJECT COMPLETION (100AMP PANELBOARD).	

- KEYED NOTES
- ① EXISTING ELECTRIC UTILITY METER ON MASONRY WALL TO REMAIN.
- ② EXISTING PANELBOARD TO REMAIN.
- ③ PROVIDE 120V, 20AMP BRANCH CIRCUIT FOR ELECTRIC HAND DRYER. PROVIDE 20AMP/1-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD IN FIRST AVAILABLE SPACE. MATCH TYPE AND RATINGS. UPDATE PANELBOARD SCHEDULE.
- ④ POWER IS NOT REQUIRED FOR HI-LO DRINKING FOUNTAIN.
- ⑤ REPLACE EXISTING LIGHTING BRANCH CIRCUIT.
- ⑥ REPLACE EXISTING GFI RECEPTACLE AND PROVIDE WEATHERPROOF COVER AS SPECIFIED IN ELECTRICAL LEGEND NOTES.

- GENERAL ELECTRICAL NOTES
1. PROVIDE ALL LIGHTING FIXTURES AND CIRCUITS SHOWN. ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED ABOVE 3'-0" AFF DUE TO THE FLOOD PLAIN ELEVATION.
2. ALL CONDUITS MAY BE SURFACE MOUNTED ON THE EXISTING CMU BLOCK WALLS. PROVIDE IMC OR RGC CONDUIT WITH THREADED FITTINGS FOR ALL WORK. ALL BOXES MUST BE CAST BOXES WITH THREADED FITTINGS. PAINT ALL CONDUIT TO MATCH THE ARCHITECTURAL COLOR AND THEME.
3. PROVIDE LIGHTING FIXTURE 'A' U.O.N..
4. COORDINATE PROGRAMMING OF LIGHTING CONTROL WITH ARCHITECT, OWNER AND ENGINEER. INCLUDE LIGHTING CONTROL PROGRAMMING COSTS IN BID.
5. PROVIDE MACHINE ENGRAVED DEVICE COVERPLATES ON ALL DEVICES WITH THE PANEL AND CIRCUIT NUMBER PRIOR TO SUBSTANTIAL COMPLETION. INCLUDE DETAILS IN SUBMITTALS. COVERPLATES SHALL NOT BE LABELED IN THE FIELD.
6. PROVIDE ALL OCCUPANCY SENSORS AND/OR TIMER SWITCHES SHOWN. SEE WIRING DIAGRAMS FOR ADDITIONAL INFORMATION. PROVIDE SUBMITTALS TO ENGINEER IN AUTOCAD FORMAT TO INCLUDE ALL WIRING DIAGRAMS, DEVICE QUANTITIES AND COVERAGE AREAS. INCLUDE PROGRAMMING COSTS IN BID.

SCHENKELSHULTZ

□ □ □ ARCHITECTURE □ □ □

677 North Washington Blvd.
Sarasota, FL 34235
voice 941.952.5875
fax 941.957.3630
schenkelshultz.com
SS Lic No - AA-C000937

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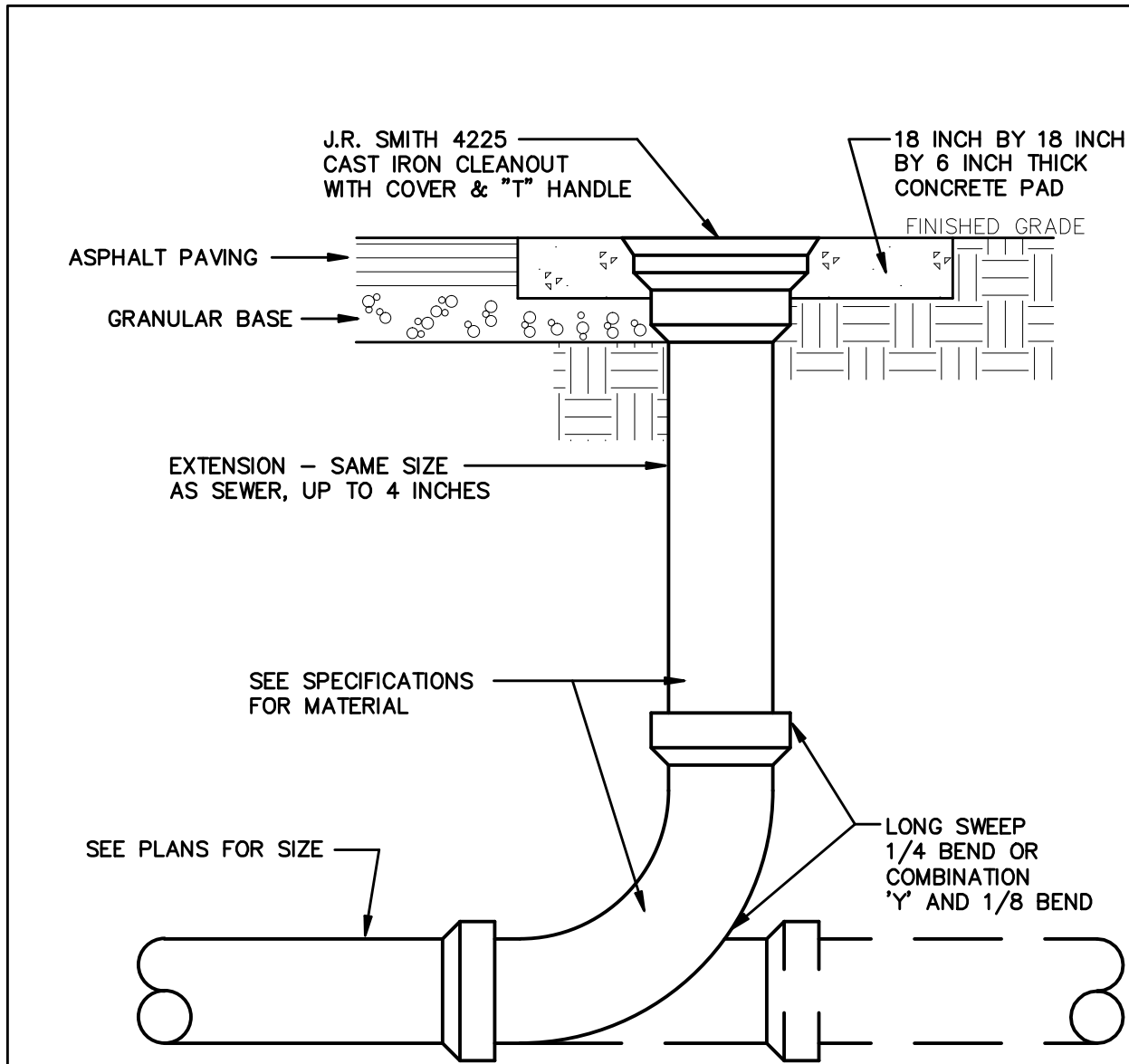
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ELECTRICAL FLOOR PLAN

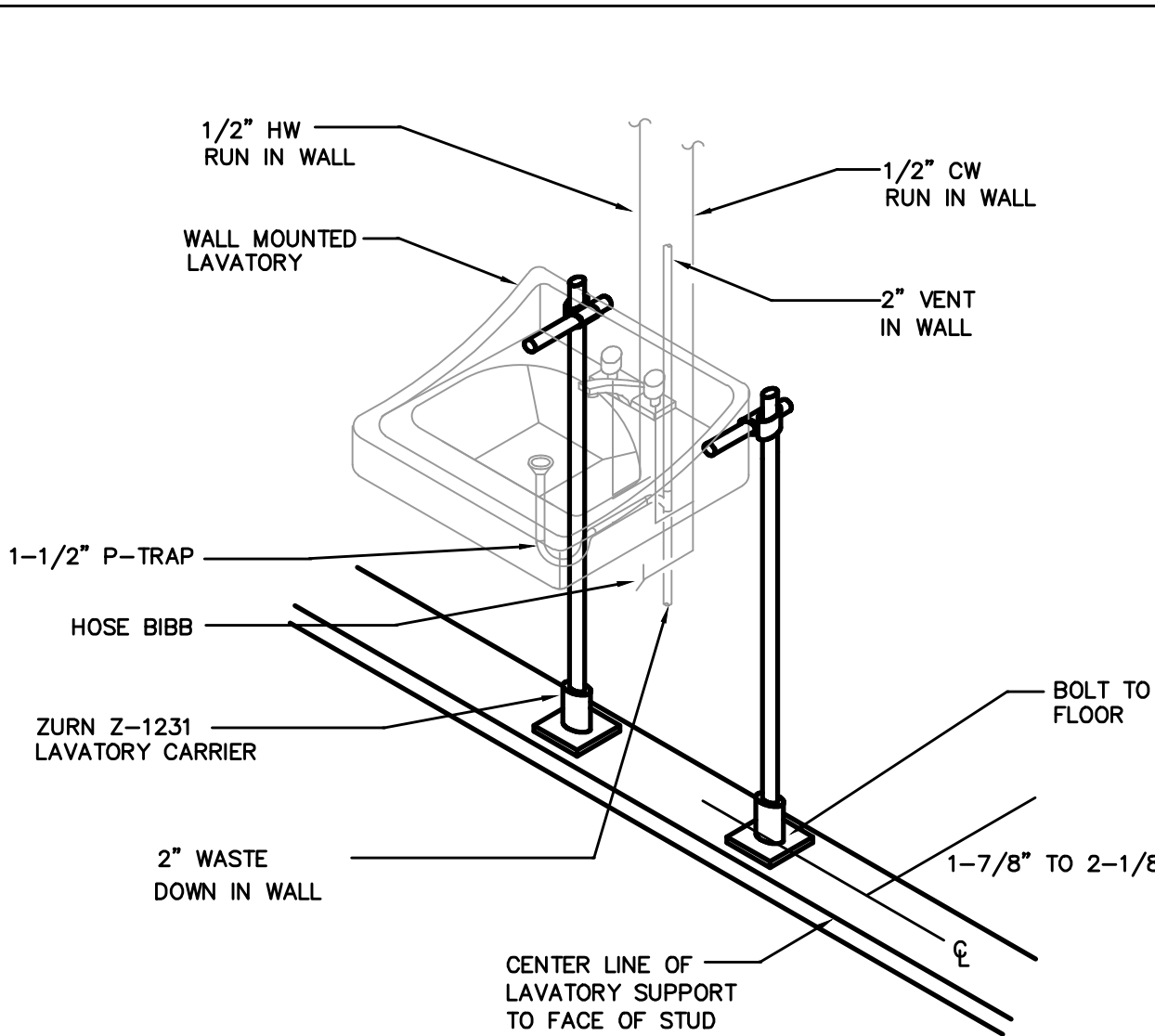
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permit drawings



EXTERIOR CLEANOUT DETAIL

NO SCALE
1



LAVATORY DETAIL

NO SCALE
1

GENERAL PLUMBING NOTES

1. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AND THESE SPECIFICATIONS AND DRAWINGS ARE PART OF THIS CONTRACT.
2. ALL APPLICABLE CODES, LAWS, AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIAL WHICH VIOLATES ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH A VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- APPLICABLE CODES INCLUDE:
FLORIDA BUILDING CODE - 2007
FLORIDA PLUMBING CODE - 2007
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF PIPE TO AVOID OBSTRUCTIONS. COORDINATION WITH UTILITY SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.
4. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
5. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES, AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
6. THE LOCATIONS OF THE UTILITY SERVICES ARE BELIEVED TO BE AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS OF THESE SERVICES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
7. SEAL OPENINGS THROUGH PARTITIONS, WALLS, AND FLOORS WITH A U.L. LISTED FIRESTOPPING ASSEMBLY MATCHED TO THE RATING OF THE PENETRATED ELEMENT.
8. PROVIDE ALL NECESSARY FLASHING AND COUNTERFLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THIS BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF PIPING AND EQUIPMENT. PROVIDE EQUIPMENT CURBS AS REQUIRED.
9. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
10. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE OWNER.
11. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS. ALL MATERIAL AND EQUIPMENT ON SITE SHALL BE PROPERLY STORED SUCH THAT IT IS PROTECTED FROM DAMAGE AND EXPOSURE TO THE OUTSIDE ELEMENTS.
12. INSURANCE: PROVIDE IN ACCORDANCE WITH BUILDING REQUIREMENTS AND POLICY SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR THE OWNER AND ENGINEER.
13. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL, AND SUBMITTED ALL THE NECESSARY CLOSE-OUT DOCUMENTS.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	FIXTURE MANUFACTURER	CATALOG NO.	TRIM MANUFACTURER	CATALOG NO.	REMARKS	NOTE
P-1	WATER CLOSET-STANDARD HEIGHT-FLOOR MOUNT-SENSOR FLUSH VALVE	KOHLER	K-4406	HYDROTEK	HB8-128	FLOOR MOUNT WHITE VITREOUS CHINA TOILET, TOP SPUD, 10" ROUGH-IN. ELONGATED BOWL WITH KOHLER K-4731-C WHITE PLASTIC OPEN FRONT SEAT WITH CHECK HINGE. 1.28 GPF.	-
P-1H	WATER CLOSET-ADA-FLOOR MOUNT-SENSOR FLUSH VALVE	KOHLER	K-4405	HYDROTEK	HB8-128	FLOOR MOUNT WHITE VITREOUS CHINA TOILET, TOP SPUD, 10" ROUGH-IN, ADA. ELONGATED BOWL WITH KOHLER K-4731-C WHITE PLASTIC OPEN FRONT SEAT WITH CHECK HINGE. 1.28 GPF.	4
P-2	LAVATORY-WALL HUNG-STANDARD HEIGHT	KOHLER	K-2007	HYDROTEK	HB-5000EM	WALL HUNG VITREOUS CHINA LAVATORY. SINGLE FAUCET HOLE, PROVIDE CONCEALED ARM CARRIER AND GRID STRAINER. COLD WATER SUPPLY ONLY.	1,2
P-2H	LAVATORY-WALL HUNG-ADA-SENSOR FAUCET	KOHLER	K-2007	HYDROTEK	HB-5000EM	WALL HUNG VITREOUS CHINA LAVATORY. SINGLE FAUCET HOLE, PROVIDE CONCEALED ARM CARRIER AND GRID STRAINER. COLD WATER SUPPLY ONLY.	1,2,3,4
P-3	URINAL-WALL HUNG-ADA-SENSOR FLUSH VALVE	KOHLER	K-4960-ET	HYDROTEK	HB-8000C-B1	WALL MOUNT VITREOUS CHINA URINAL, 0.5 GPF, PROVIDE WALL CARRIER.	4
P-4	HI/LO DRINKING FOUNTAIN-ADA	HAWS	1119.14A	-	-	HEAVY DUTY 14 GA. TYPE 304 STAINLESS STEEL HI/LO DRINKING FOUNTAIN POLISHED CHROME BUBBLERS, STAINLESS STEEL BACK PANEL, INTEGRATED TRAP, ANTIMICROBIALY TREATED, PUSH BUTTON ACTIVATED.	4
<div>PLUMBING NOTES: 1. MCQUIRE CAST BRASS P-TRAP WITH TUBULAR WALL BEND (SIZE AS REQUIRED). P-TRAPS IN CONCEALED SPACES MAY BE PVC. 2. MCQUIRE HEAVY DUTY PREMIER LINE SUPPLY STOP VALVES. 3. TRUEBRO LAV GUARD: MODEL NO. 102W FOR P-TRAP AND ANGLE STOPS WITH SUPPLY ASSEMBLIES. MODEL NO. 102W WITH 105 ACCESSORY FOR OFFSET DRAIN. 4. SET AT HANICAP HEIGHT.</div> <div>GENERAL NOTES: A. PROVIDE ITEMS BY LISTED MANUFACTURER OR APPROVED EQUAL ONLY. B. SEE SEPARATE SPECIFICATIONS. C. AMERICAN WITH DISABILITIES ACT (ADA): 1) ALL HANDICAP FIXTURES AND TRIM SHALL COMPLY WITH FEDERAL AND STATE ACCESSIBILITY CODES. 2) WATER CLOSET TANK FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREA.</div>							

FLORIDA BUILDING CODE 2007 - PLUMBING FIXTURE UNIT SCHEDULE

QUANTITY	DESCRIPTION	WATER DEMAND EACH FIXTURE UNIT (F.U.) COLD	WATER DEMAND EACH FIXTURE UNIT (F.U.) HOT	WATER DEMAND EACH FIXTURE UNIT (F.U.) COMBINED	WATER DEMAND TOTAL FIXTURE UNITS COLD	WATER DEMAND TOTAL FIXTURE UNITS HOT	WATER DEMAND TOTAL FIXTURE UNITS COMBINED	TOTAL GPM	SANITARY FIXTURE UNIT (F.U.) EACH	SANITARY FIXTURE UNIT (F.U.) TOTAL
1	DRINKING FOUNTAIN	0.25	-	0.25	0.25	-	0.25	-	0.50	0.50
2	FLOOR DRAINS	-	-	-	-	-	-	-	2.00	4.00
0	LAVATORY, PRIVATE	0.50	0.50	0.70	0.00	0.00	0.00	-	1.00	0.00
4	LAVATORY, PUBLIC	1.50	-	2.00	6.00	-	6.00	-	1.00	4.00
0	SERVICE SINK	2.25	2.25	3.00	0.00	0.00	0.00	-	2.00	0.00
0	SINK	1.00	1.00	1.40	0.00	0.00	0.00	-	2.00	0.00
1	URINAL, PUBLIC 3/4" FLUSH VALVE	5.00	-	5.00	5.00	-	5.00	-	2.00	2.00
0	WATER CLOSET, PRIVATE FLUSH VALVE	6.00	-	6.00	0.00	0.00	0.00	-	4.00	0.00
0	WATER CLOSET, PRIVATE FLUSH TANK	2.20	-	2.20	0.00	0.00	0.00	-	3.00	0.00
3	WATER CLOSET. PUBLIC FLUSH VALVE	10.00	-	10.00	30.00	-	30.00	-	6.00	18.00
0	WATER CLOSET, PUBLIC FLUSH TANK	5.00	-	5.00	0.00	0.00	0.00	-	4.00	0.00
0	WATER CLOSET, PUBLIC OR PRIVATE FLUSHOMETER TANK	2.00	-	2.00	0.00	0.00	0.00	-	4.00	0.00
				TOTAL:	41.25	0.00	41.25	46.50	-	28.50

- NOTES:
- 1) TOTAL OF 46.50 GPM DEMAND BASED ON SYSTEM PREDOMINANTLY FOR FLUSH VALVES.
 - 2) SYSTEM WILL REQUIRE 1" WATER MAIN.
 - 3) RECOMMENDED 1.0" METER SIZE PER FBC TABLE 603.1.
 - 4) SYSTEM WILL REQUIRE 4" BUILDING DRAIN.

PLUMBING LEGEND

DESCRIPTION	LINETYPE
COLD WATER	----
HOT WATER	----
HOT WATER RETURN	----
SANITARY BELOW GRADE	----- SAN
EXISTING BELOW GRADE SANITARY	----- SAN (E)
SANITARY VENT	----
BALANCING VALVE	✕
BALL VALVE	✕
CHECK VALVE	✕
SOLENOID VALVE	✕
VALVE IN VALVE BOX	✕
PRESSURE REDUCING VALVE	✕
UNION	
STRAINER	⊥
PIPE UP	○
PIPE DOWN	⊃
TEE UP	○
TEE DOWN	○
AREA DRAIN AND TYPE	⊗ 4" AD-1
FLOOR DRAIN AND TYPE	⊗ 14" FD-A
FLOOR CLEANOUT	⊗
CLEANOUT PLUG	⊥
EXTERIOR CLEANOUT AND TYPE	⊗ 3" ECO
CAP	⊥
SHOCK ARRESTOR AND PDI SIZE	● PDI-A
P-TRAP	○
HOSE BIBB	⊥ HB
WALL HYDRANT	⊥ WH
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR	⊥
EXISTING WORK	----
FLOW DIRECTION	→
CONNECTION POINT OF NEW TO EXISTING	⊗ →

ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE	IE	INVERT ELEVATION
ADA	AMERICANS WITH DISABILITIES ACT		
AD	AREA DRAIN	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
BTUH	BRITISH THERMAL UNITS PER HOUR	NEC	NATIONAL ELECTRICAL CODE
BWV	BACK WATER VALVE	NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
CD	CONDENSATE DRAIN		
CO	CLEAN OUT	PDI	PLUMBING & DRAINAGE INSTITUTE
CONN	CONNECTION	PSIG	POUNDS PER SQUARE INCH GAUGE
CONT	CONTINUOUS	POC	POINT OF CONNECTION
CW	COLD WATER		
		SPECS	SPECIFICATIONS
DIA	DIAMETER	SAN	SANITARY SEWER
DN	DOWN	S.F.	SQUARE FEET
DWG	DRAWING		
		T & P	TEMPERATURE & PRESSURE
ECO	EXTERIOR CLEANOUT	TBD	TO BE DETERMINED
		TEMP	TEMPERATURE
F	DEGREES FAHRENHEIT	TYP	TYPICAL
FCO	FLOOR CLEANOUT		
FD	FLOOR DRAIN	UL	UNDERWRITER'S LABORATORIES, INC.
FT	FEET	UNO	UNLESS NOTED OTHERWISE
FBC	FLORIDA BUILDING CODE		
FPC	FLORIDA PLUMBING CODE	VTR	VENT THRU ROOF
		V	VENT
GAL	GALLONS		
GPM	GALLONS PER MINUTE	W/	WITH
		WCO	WALL CLEAN OUT
HB	HOSE BIBB	WH	WALL HYDRANT
HP	HORSE POWER		
HW	HOT WATER		
HWR	HOT WATER RETURN		

PLUMBING DRAWING LIST

DRAWING NO.	DRAWING TITLE
P001	PLUMBING LEGEND & SCHEDULES
P101	PLUMBING FLOOR PLANS

SCHENKELSHULTZ

ARCHITECTURE

677 North Washington Blvd.
Sarasota, FL 34235
voice 941.952.5875
fax 941.957.3630
schenkelshultz.com
SS Lic No - AA-C000937

ALL IDEAS, DESIGN, ARRANGEMENTS AND PLANS REQUESTED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF SCHENKELSHULTZ AND WHERE CREATED, PATENTED, AND DEVELOPED FOR USE AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGN, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DECISIONS TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF SCHENKELSHULTZ. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB AND THE OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. REVIEW OF SHOP DRAWINGS DOES NOT RELEASE THE CONTRACTOR FROM THE REQUIREMENT OF VERIFYING OR EXCEEDING THE PLANS AND SPECIFICATIONS. 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CONSULTING ENGINEERS, LLC
11065 Gatewood Drive, Suite 104
Bradenton FL 34211
Tel: 941-748-1319 Fax: 941-748-1349
www.me3-engr.com sidney@me3-engr.com
Designed: K.C.C. ME3 Job No: 10-0195-03
Checked: S.T.P. Date: 10/22/2010
Drawn: K.C.C. C.O.A. 27552
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TO THE BEST OF MY KNOWLEDGE, SAID PLANS AND SPECIFICATIONS
COMPLY WITH ALL APPLICABLE BUILDING CODES.

KAY C. CLEM, P.E.
FL# 53270

2650 Gulf Drive South

Bradenton, Florida 34211

Manatee County Governmen

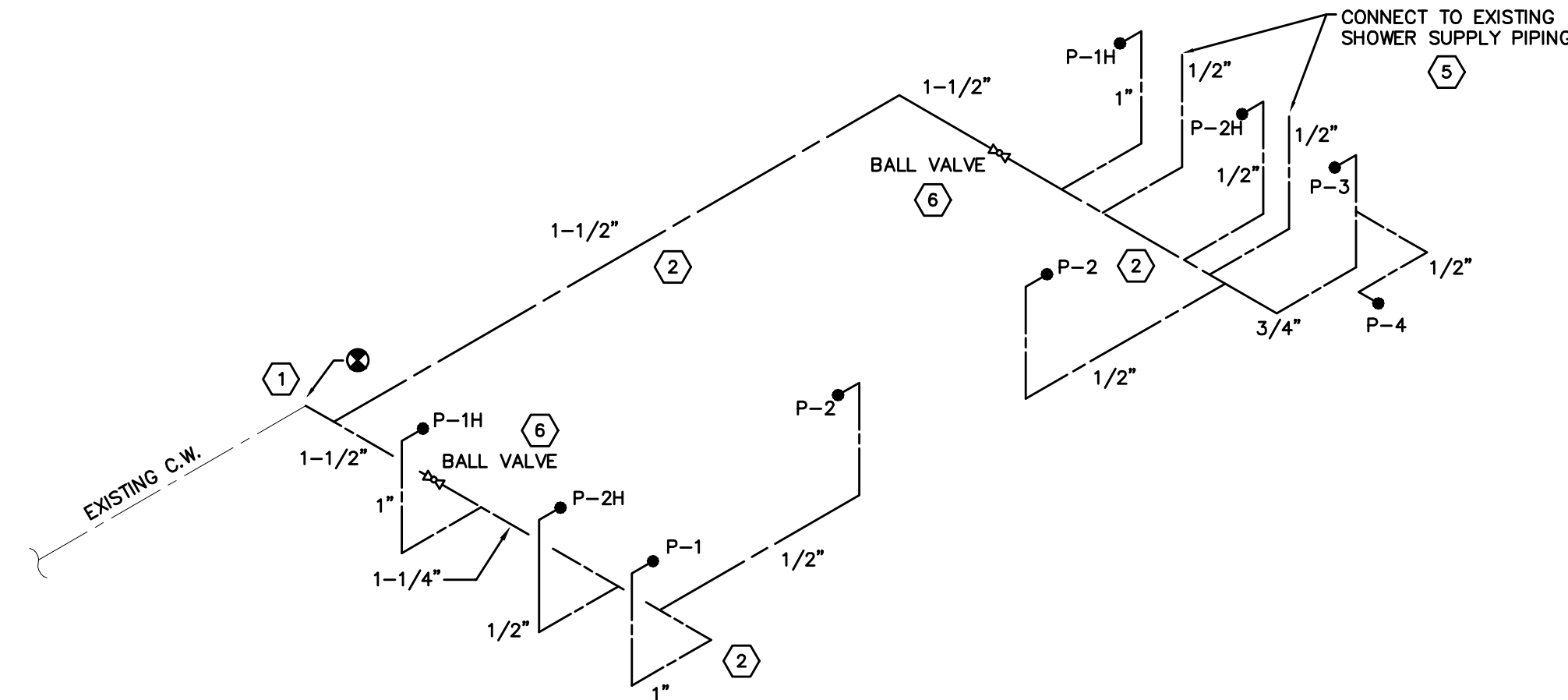
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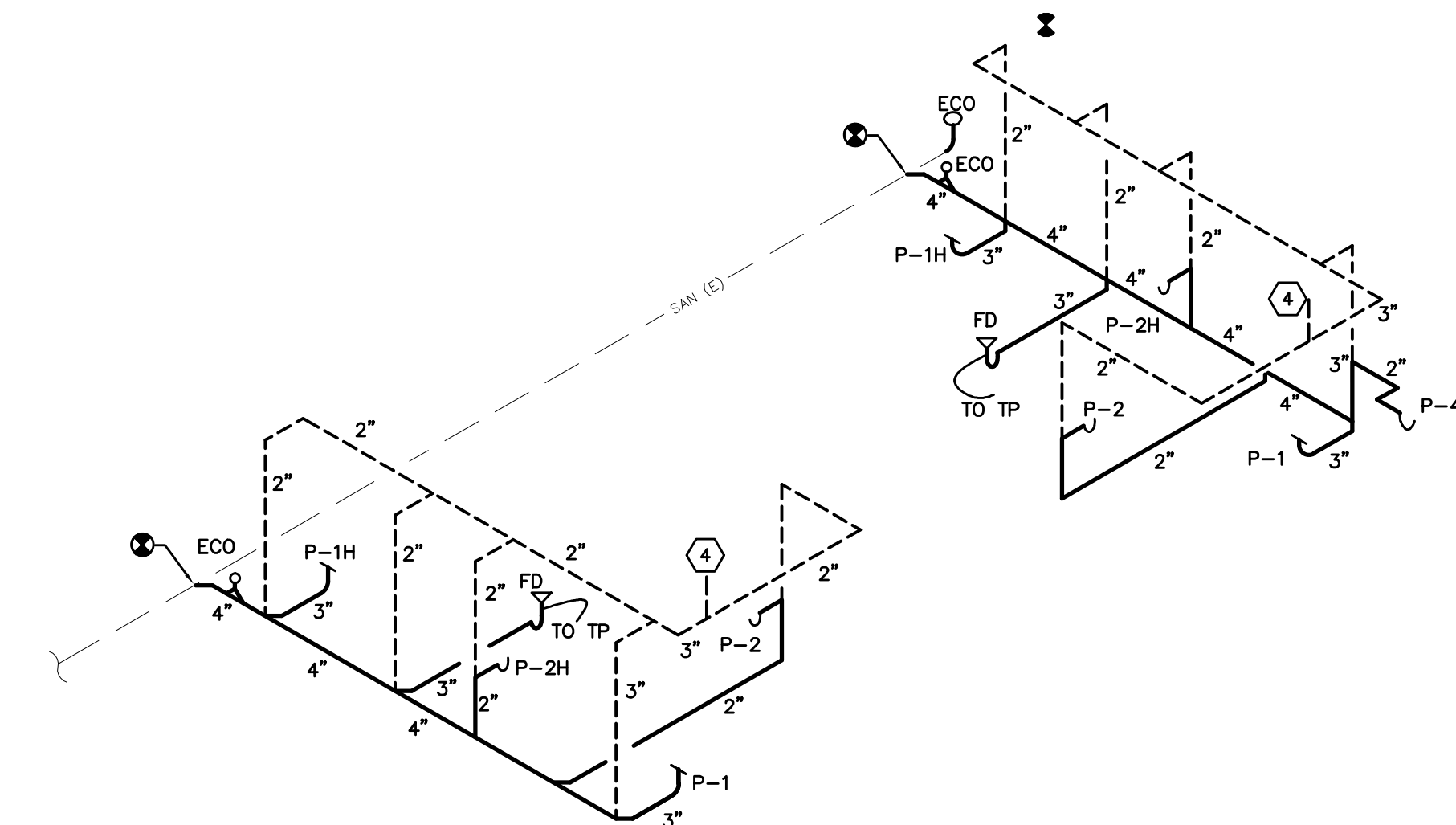
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permit drawings:



4 DOME
NO SCALE



3 SANIT
NO SCALE


$$\overline{1/4'' = 1' - 0}$$

$$\sqrt{1/4''}=1'-0''$$