

PLUMBING ABBREVIATIONS

ABBREV.	DESCRIPTION
ABV	ABOVE
AD	AREA DRAIN
AP	ACCESS PANEL
AFF	ABOVE FINISH FLOOR
BDD	BACKDRAFT DAMPER
BEL	BELOW
BFP	BACKFLOW PREVENTER
BOP	BOTTOM OF PIPE
BT	BATHTUB
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
COTG	CONDENSATE TO GRADE
CD	CONDENSATE DRAIN
CP	CIRCULATING PUMP
CV	CHECK VALVE
CW	DOMESTIC COLD WATER
DF	DRINKING FOUNTAIN
DN	DOWN
DTR	DOWN THROUGH ROOF
DR	DRAIN
DWV	DRAIN, WASTE, VENT
D/W	DISHWASHER
EC	ELECTRICAL CONTRACTOR
ED	EMERGENCY DRAIN
EEW	EMERGENCY EYEWASH
ESH	EMERGENCY SHOWER
EL	ELEVATION
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
(EX)	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FN	FINISH
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FFM	FEET PER MINUTE
FFS	FEET PER SECOND
FS	FLOOR SINK
FEET	FEET
FT W.C.	FEET WATER COLUMN
FU	PLUMBING FIXTURE UNIT
G	GAS
GAL	GALLON
GC	GENERAL CONTRACTOR
GR	GRADE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS VENT
HB	HOSE BIBB
HDR	HEADER
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
ICW	INDUSTRIAL COLD WATER
I.E.	INVERT ELEVATION
IN	INCHES
IN W.C.	INCHES WATER COLUMN
IRW	IRRIGATION WATER
IW	INDIRECT WASTE
KS	KITCHEN SINK
KW	KILOWATT
LAV	LAVATORY
LPG	LOW PRESSURE GAS
MBH	THOUSANDS OF BTU'S PER HOUR
MC	MECHANICAL CONTRACTOR
MFG	MEDIUM PRESSURE GAS
MH	MANHOLE
MS	MOP SINK
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OD	OVERFLOW DRAIN
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PO	PLUGGED OUTLET
POC	POINT OF CONNECTION BETWEEN NEW WORK AND EXISTING WORK OR BETWEEN WORK OF DIFFERENT TRADES
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
S	SOIL OR DRAIN (PIPING) WITHIN BUILDING
SD	SEWER (PIPING) OUTSIDE BUILDING
SH	SHOWER
SOV	SHUT OFF VALVE OR ISOLATION VALVE
SS	SERVICE SINK
SSD	SUBSOIL DRAIN
STR	STRAINER
T	TEMPERATURE
TOC	TOP OF CURB
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TP	TRAP PRIMER
TS	TEMPERATURE SENSOR
TIB	TIGHT TO BEAM
TYP	TYPICAL
U/G	UNDERGROUND
UR	URINAL
UTR	UP THROUGH ROOF
V	VENT
VB	VACUUM BREAKER
VCO	VENT CAPPED OUTLET
VIV	VALVE IN VERTICAL
VO	VALVED OUTLET
VTR	VENT THROUGH ROOF
W	WATER
W/	WITH
WB	WET BAR (SINK)
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
YB	YARD BOX
YCO	YARD CLEANOUT

PLUMBING LEGEND

SYMBOL	(ABBREV.) DESCRIPTION
-----	(CW) DOMESTIC COLD WATER PIPING
-----	(HW) DOMESTIC HOT WATER PIPING
-----HWR-----	(HWR) DOMESTIC HOT WATER RETURN PIPING
-----W-----	(W) SITE WATER PIPING
-----ICW-----	(ICW) INDUSTRIAL COLD WATER PIPING
-----IRW-----	(IRW) IRRIGATION WATER PIPING
-----SCW-----	(SCW) SOFTENED COLD WATER PIPING
-----SHW-----	(SHW) SOFTENED HOT WATER PIPING
-----140-----	(140 HWS) 140 DEGREE F HOT WATER PIPING
-----160-----	(160 HWS) 160 DEGREE F HOT WATER PIPING
-----W-----	(W OR S) WASTE OR SOIL PIPING ABOVE GRADE OR FLOOR
-----W-----	(W OR S) WASTE OR SOIL PIPING BELOW GRADE OR FLOOR
-----SD-----	(SD) STORM DRAIN PIPING ABOVE GRADE OR FLOOR
-----SD-----	(SD) STORM DRAIN PIPING BELOW GRADE OR FLOOR
-----SSD-----	(SSD) SUBSOIL DRAIN PIPING
-----RD-----	(RD) ROOF DRAIN PIPING
-----OD-----	(OD) ROOF OVERFLOW DRAIN PIPING
-----IW-----	(IW) INDIRECT WASTE PIPING
-----V-----	(V) SANITARY VENT PIPING
G	(G) GAS PIPING
MG	(MG) MEDIUM PRESSURE GAS PIPING
GV	(GV) GAS VENT PIPING
-----CD-----	(CD) CONDENSATE DRAIN PIPING ABOVE GRADE OR FLOOR
-----CD-----	(CD) CONDENSATE DRAIN PIPING BELOW GRADE OR FLOOR
----->-----	ARROW INDICATES DIRECTION OF FLOW
----- -----	UNION
-----O DN-----	RISER DOWN TO FLOOR BELOW (ELBOW TURNED DOWN)
-----O UP-----	RISER UP TO FLOOR ABOVE (ELBOW TURNED UP)
-----O DROP-----	PIPING DROP WITHIN A STORY
-----O RISE-----	PIPING RISE WITHIN A STORY
-----+-----	BRANCH (PIPING) CONNECTION TO MAIN (PIPING)
-----+-----	BRANCH CONNECTION TO MAIN AT TOP OF MAIN
-----+-----	BRANCH CONNECTION TO MAIN AT BOTTOM OF MAIN
----->-----	PITCH PIPE DOWN IN DIRECTION OF FLOW (SLOPE NOTED)
-----VIV-----	(VIV) VALVE IN VERTICAL SECTION OF PIPE OR RISER
-----X-----	(SOV) SHUTOFF, EQUIPMENT ISOLATION, OR SECTIONAL VALVE
-----Z-----	(CV) CHECK VALVE, (NSCV) NON-SLAM CHECK VALVE
-----+-----	(HB) HOSE BIBB
-----+-----	GAS COCK OR STOP, PLUG VALVE
-----+-----	(STR) STRAINER
-----+-----	(PRV) PRESSURE REGULATING VALVE
-----+-----	(PTR) PRESSURE-TEMPERATURE RELIEF VALVE
-----+-----	(BFP) BACKFLOW PREVENTER
-----+-----	(RPBFP) REDUCED PRESSURE BACKFLOW PREVENTER
-----O-----	P-TRAP
-----O-----	(CO) CLEANOUT PLUG
-----O-----	(WCO) WALL CLEANOUT
-----O-----	(FCO) FLOOR CLEANOUT
-----O-----	(YCO) YARD CLEANOUT OR (COTG) CLEANOUT TO GRADE
-----O-----	CAP ON END OF PIPE
-----O-----	(PO) WASTE OR SOIL PLUGGED OUTLET
-----O-----	(VCO) VENT CAPPED OUTLET
-----P-----	PUMP
-----G-----	THERMOMETER, PRESSURE GAUGE WITH COCK

MATERIAL AND DEVICE SPECIFICATIONS

(ALSO SEE SPECIFICATIONS BOOK)

WATER ABOVE SLAB: COPPER ASTM B88 TYPE L HARD TEMPER WITH WROT COPPER OR CAST BRONZE LEAD-FREE SOLDER-JOINT FITTINGS PER UPC IAMP0 IS 5-2003.

SHUT-OFF VALVES: FULL PORT QUARTER-TURN BALL VALVES WITH SOLDER ENDS, NIBCO.

DRAIN, WASTE, VENT BELOW AND ABOVE SLABS: ABS SCHEDULE 40 PIPE AND FITTINGS PER UPC IAMP0 IS 5-2003 AND IS 11-2003.

PIPING SUPPORTS: ALL WATER AND DWV PIPING SHALL BE SUPPORTED PER CPC AND ISOLATED FROM THE BUILDING STRUCTURE USING SEMCO TRISOLATORS.

PIPING INSULATION:
INSULATE ALL DOMESTIC HOT WATER SUPPLY WITH PRE-FORMED INSULATION WITH THERMAL CONDUCTIVITY BETWEEN 0.23 AND 0.27 BTU-IN/HR-SF-DEGREE F IN THE FOLLOWING THICKNESSES:
- FOR RUNOUTS UP TO 2" PIPE SIZE: 1/2" THICK INSULATION.
- FOR MAINS 1" AND LESS PIPE SIZE: 1" THICK INSULATION.
- FOR MAINS 1-1/4, 1-1/2, 2" PIPE SIZE: 1" THICK INSULATION.
INSULATION SHALL HAVE MAXIMUM FLAME SPREAD OF 25 AND MAXIMUM SMOKE DEVELOPED OF 50 AS PER ASTM C 865.

WATERPROOFING OF ROOF AND WALL PENETRATIONS: PROVIDE ROOF JACKS AROUND ALL ROOF PENETRATIONS, SEAL JACK BASE TO SUBSTRATE WITH ROOFING CEMENT, AND SEAL JACK AROUND PIPING WITH SILICONE CAULK. AT EXTERIOR WALL PENETRATIONS, SEAL AROUND PIPE WITH PAINTABLE SILICONE CAULK.

DOMESTIC WATER CALCULATIONS

FIXTURE COUNT

FIXTURE TAG	FIXTURE QUANTITY	CWFU* (EACH)	TOTAL CWFU
WC-FV	17	8	136
UR-FV	3	5	15
LAV	10	1	10
SH	2	2	4
MS	1	3	3
DF	2	0.75	1.5
HB	4	2.5+3	5.5
			TOTAL = 175 CWFU.
			PER TABLE A-3 CPC DEMAND = 85 GPM.

* = ASSEMBLY OCCUPANCY WSFU PER TABLE A-2 CPC.

PIPE SIZING SCHEDULE

PIPE TYPE: COPPER TUBE TYPE "K" U/G AND TYPE "L" ABOVE.
NOTE: THIS SCHEDULE IS BASED ON A MAXIMUM ALLOWABLE PRESSURE DROP OF 2 PSI / 100 PSI AND THE FOLLOWING VELOCITY LIMITS FOR DOMESTIC WATER:
8 FPS FOR COLD WATER
5 FPS FOR HOT WATER

PIPE SIZE	MAX CW GPM	MAX HW GPM
1/2"	3	3
3/4"	10	7
1"	20	13
1-1/4"	30	
1-1/2"	40	
2"	85	

GENERAL PLUMBING NOTES

- INSTALLATION OF PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES:
2007 CALIFORNIA PLUMBING CODE AND ALL CODES AND ORDINANCES, ETC., OF THE CITY OF RANCHO MIRAGE, CALIFORNIA, AND OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. ALL MATERIALS USED OUTSIDE SHALL BE UV-RESISTANT (PVC PIPING, SEALANTS AND CAULKS, ETC.).
- THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH DO NOT SHOW EVERY FITTING, OFFSET, TRANSITION, ETC. REQUIRED. THE DRAWINGS INDICATE REQUIRED SIZES AND TERMINATIONS OF PIPING AND SUGGEST ROUTES OF PIPING TO CONFORM TO THE STRUCTURE, TO AVOID OBSTRUCTIONS, AND TO PRESERVE CLEARANCE.
- COORDINATE PLUMBING WORK WITH WORK OF ALL OTHER TRADES.
- VERIFY REQUIRED OPENINGS THROUGH BUILDING STRUCTURE FOR PLUMBING WORK WITH GENERAL CONTRACTOR BEFORE ROUGH-IN.
- LOCATE ALL PLUMBING DEVICES SUCH AS VALVES, ETC. REQUIRING ACCESS ABOVE AREAS WITH ACCESSIBLE CEILINGS, OR PROVIDE ACCESS DOORS OF REQUIRED SIZE AND FIRE RATING, ONLY WITH PRIOR APPROVAL OF ARCHITECT.
- BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, SIZES, AND MATERIALS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ALL DISCREPANCIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES.
- INSTALL PLUMBING WORK TO AVOID INTERFERENCE WITH THE STRUCTURE, AND WITH MECHANICAL AND ELECTRICAL EQUIPMENT.
- ALL CLEANOUTS SHALL BE INSTALLED IN READILY ACCESSIBLE LOCATIONS. THE CONTRACTOR SHALL COORDINATE CLEANOUT LOCATIONS WITH CABINETS, EQUIPMENT, ETC., AND WITH THE ARCHITECT, FOR CLEANOUTS IN WALLS WITH BASE. INSTALL CLEANOUT ABOVE BASE.
- ALL PLUMBING VENTS THROUGH ROOF SHALL TERMINATE AT LEAST 12 INCHES FROM ANY VERTICAL SURFACE, 3 FEET ABOVE AND/OR 10 FEET FROM ANY OUTSIDE AIR INTAKES.
- BEFORE FABRICATION OR INSTALLATION OF PLUMBING ROUGH-IN, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER OTHER SPECIFICATION SECTIONS. BEFORE INSTALLATION OF PLUMBING TRIM, THE CONTRACTOR SHALL VERIFY THE FINAL FINISHES AND/OR SURFACE TREATMENTS.
- FIRESTOPPING: PENETRATIONS THROUGH RATED WALLS, FLOORS, AND ROOFS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES WHEN SUBJECTED TO THE REQUIREMENTS OF TEST STANDARD SPECIFIC OF FIRE STOPS ASTM E-814. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE-RATED ASSEMBLIES, WHICH INCLUDE COMMON WALLS BETWEEN TENANT SPACES.
- SUBMITTALS: AT LEAST TWO WEEKS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF ANY WORK, SUBMIT TO ENGINEER PDF FILES OF PRODUCT DATA FOR ALL EQUIPMENT, DEVICES, AND MATERIAL TO BE USED. NOTE PLANT TAG, SPECIFIC MODEL, SIZES, OPTIONS, ACCESSORIES, ETC. ON ALL PRODUCT DATA SHEETS. UNMARKED PAGES WILL BE RETURNED FOR RESUBMITTAL.
- WARRANTY: THE COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY WORK, MATERIAL, OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THIS PERIOD SHALL BE CORRECTED IMMEDIATELY, UPON WRITTEN NOTIFICATION, AT THE CONTRACTOR'S EXPENSE.



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Rancho Mirage Community Park Expansion & Amphitheater Project

CP 12-284
71-560 San Jacinto Dr
Rancho Mirage, CA 92270
for
The City of Rancho Mirage

69-825 Highway III
Rancho Mirage, CA 92270
760.324.4511

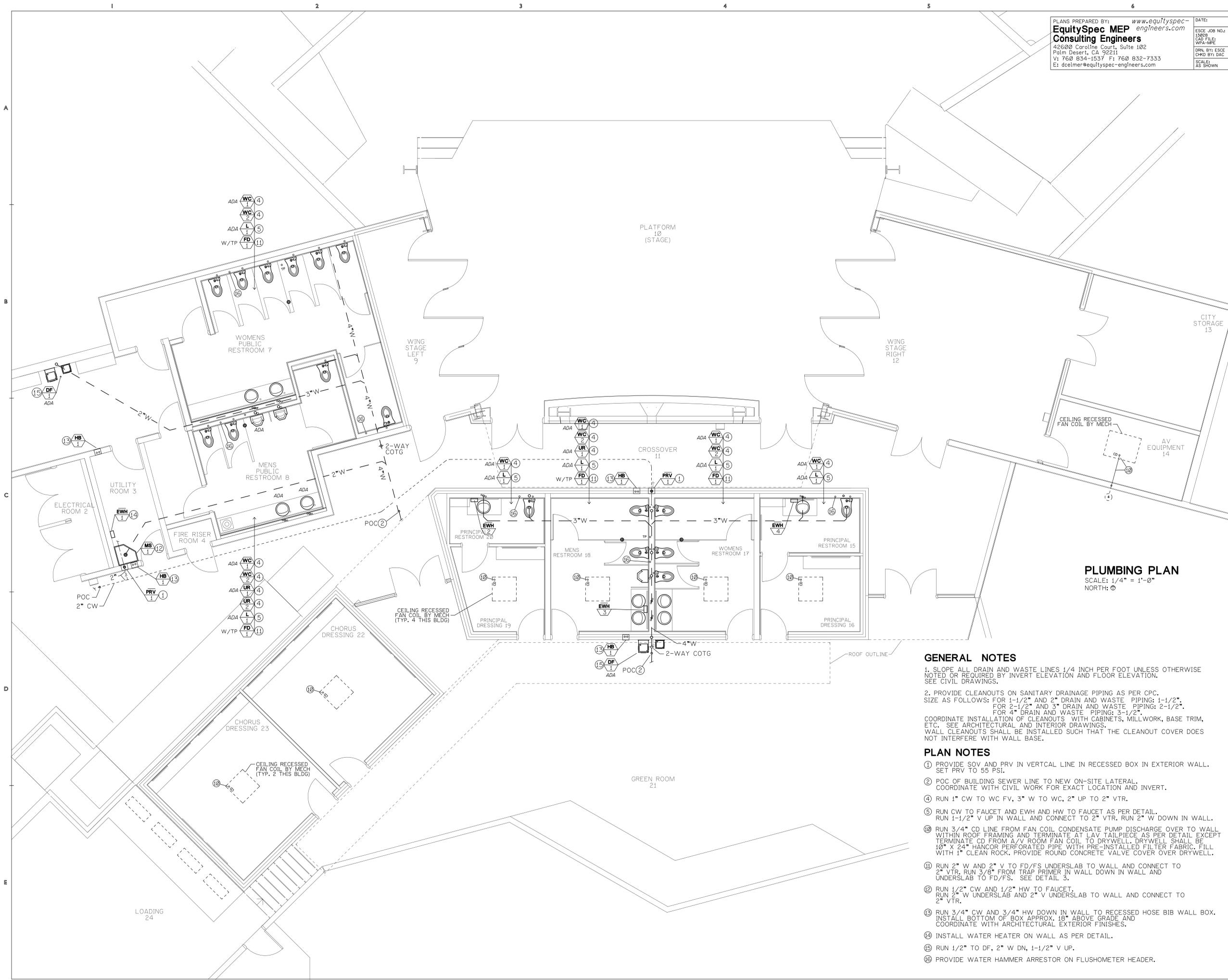
PLANS PREPARED BY: EquitySpec MEP Consulting Engineers www.equityspec-engineers.com 42600 Caroline Court, Suite 102 Palm Desert, CA 92211 V: 760 834-1537 F: 760 832-7333 E: dcelmer@equityspec-engineers.com	DATE: ESCE JOB NO.: 13028 CAD FILE: WPA-MPE DRN. BY: ESCE CHKD BY: DAC SCALE: AS SHOWN
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SHEET INDEX

SHEET NO.	SHEET TITLE
P1	TITLE SHEET - NOTES, LEGEND, SPECIFICATIONS, UTILITY INFORMATION
P2	PLUMBING PLAN
P3.0	FIXTURE SCHEDULE
P3.1	DETAILS AND DIAGRAMS
P3.2	DETAILS AND DIAGRAMS

SHEET TITLE:	TITLE SHEET
SHEET NUMBER:	PI

PLANS PREPARED BY: www.equityspec-engineers.com DATE: _____
EquitySpec MEP Consulting Engineers ESCE JOB NO.: 15028
 42600 Caroline Court, Suite 102 CAD FILE: WPA-MPE
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 E: dclmer@equityspec-engineers.com SCALE: AS SHOWN



PLUMBING PLAN
 SCALE: 1/4" = 1'-0"
 NORTH: ☉

GENERAL NOTES

- SLOPE ALL DRAIN AND WASTE LINES 1/4 INCH PER FOOT UNLESS OTHERWISE NOTED OR REQUIRED BY INVERT ELEVATION AND FLOOR ELEVATION. SEE CIVIL DRAWINGS.
 - PROVIDE CLEANOUTS ON SANITARY DRAINAGE PIPING AS PER CPC. SIZE AS FOLLOWS:
 FOR 1-1/2" AND 2" DRAIN AND WASTE PIPING: 1-1/2".
 FOR 2-1/2" AND 3" DRAIN AND WASTE PIPING: 2-1/2".
 FOR 4" DRAIN AND WASTE PIPING: 3-1/2".
- COORDINATE INSTALLATION OF CLEANOUTS WITH CABINETS, MILLWORK, BASE TRIM, ETC. SEE ARCHITECTURAL AND INTERIOR DRAWINGS.
 WALL CLEANOUTS SHALL BE INSTALLED SUCH THAT THE CLEANOUT COVER DOES NOT INTERFERE WITH WALL BASE.

PLAN NOTES

- PROVIDE SOV AND PRV IN VERTICAL LINE IN RECESSED BOX IN EXTERIOR WALL. SET PRV TO 55 PSI.
- POC OF BUILDING SEWER LINE TO NEW ON-SITE LATERAL. COORDINATE WITH CIVIL WORK FOR EXACT LOCATION AND INVERT.
- RUN 1" CW TO WC FV, 3" W TO WC, 2" UP TO 2" VTR.
- RUN CW TO FAUCET AND EWH AND HW TO FAUCET AS PER DETAIL. RUN 1-1/2" V UP IN WALL AND CONNECT TO 2" VTR. RUN 2" W DOWN IN WALL.
- RUN 3/4" CD LINE FROM FAN COIL CONDENSATE PUMP DISCHARGE OVER TO WALL WITHIN ROOF FRAMING AND TERMINATE AT LAV TAILPIECE AS PER DETAIL EXCEPT TERMINATE CD FROM A/V ROOM FAN COIL TO DRYWELL. DRYWELL SHALL BE 18" X 24" HANGOR PERFORATED PIPE WITH PRE-INSTALLED FILTER FABRIC. FILL WITH 1" CLEAN ROCK. PROVIDE ROUND CONCRETE VALVE COVER OVER DRYWELL.
- RUN 2" W AND 2" V TO FD/FS UNDERSLAB TO WALL AND CONNECT TO 2" VTR. RUN 3/8" FROM TRAP PRIMER IN WALL DOWN IN WALL AND UNDERSLAB TO FD/FS. SEE DETAIL 3.
- RUN 1/2" CW AND 1/2" HW TO FAUCET. RUN 2" W UNDERSLAB AND 2" V UNDERSLAB TO WALL AND CONNECT TO 2" VTR.
- RUN 3/4" CW AND 3/4" HW DOWN IN WALL TO RECESSED HOSE BIB WALL BOX. INSTALL BOTTOM OF BOX APPROX. 18" ABOVE GRADE AND COORDINATE WITH ARCHITECTURAL EXTERIOR FINISHES.
- INSTALL WATER HEATER ON WALL AS PER DETAIL.
- RUN 1/2" TO DF, 2" W DN, 1-1/2" V UP.
- PROVIDE WATER HAMMER ARRESTOR ON FLUSHMETER HEADER.

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SHEET TITLE: PLUMBING PLAN
SHEET NUMBER: P2

FIXTURE AND EQUIPMENT SCHEDULE

TAG	PLAN NOTE	DESCRIPTION	ROUGH-IN SERVICES						FIXTURE NOTES	CALGREEN
			WASTE	TRAP	VENT	CW	HW	GAS		
WC 1 ADA		FLOOR MOUNTED FLUSH VALVE HET WATER CLOSET. WHITE. VITREOUS CHINA WITH ELONGATED BOWL. FLUSHOMETER; HANDS FREE SLOAN OPTIMA PLUS 8111-1.28. FLUSH RATE: 1.28 GPF OR LESS. SEAT: OLSONITE 95CT OPEN FRONT. 5/8" THICK. APPROX. DIMENSIONS: 26-1/2" LONG X 16-1/2" WIDE. APPLICABLE CODES AND STANDARDS: ASME A112.19.2/CSA B45.1. ICC/ANSI A117.1. MANUFACTURER AND MODEL: KOHLER HIGHCLIFF K-4368.	3"	INT.	2"	1"				5.303.6 1.28 MAX. GPF.
WC 2 NON-ADA		SAME AS WC-1 EXCEPT NON-ADA INSTALLATION.								
UR 1 ADA		WALL-HUNG SIPHON JET HEU URINAL. TOP SPUD. WHITE. VITREOUS CHINA WITH ELONGATED BOWL. FLUSHOMETER; HANDS FREE SLOAN OPTIMA PLUS 8186-0.125. FLUSH RATE: 0.25 GPF OR LESS. APPROX. DIMENSIONS: 18" WIDE X 27" HIGH X 14-1/8" DEEP. APPLICABLE CODES AND STANDARDS: ASME A112.19.2/CSA B45.1. ICC/ANSI A117.1. EPA WATERSENSE. ACCESSORIES: KOHLER STAINLESS STEEL STRAINER. KOHLER WALL BRACKETS. MANUFACTURER AND MODEL: KOHLER BARDON K-4904-ET.	3"	INT.	2"	1"				TABLE 4.303.2 0.5 MAX. GPF.
UR 2 NON-ADA		SAME AS UR-1 EXCEPT NON-ADA INSTALLATION.								
L 1 ADA		PUBLIC RESTROOMS LAVATORY AND HANDS-FREE FAUCET. LAVATORY: UNDERMOUNT VITREOUS CHINA WITH OVERFLOW. APPROX. OVERALL DIMENSIONS: * SIDE-TO-SIDE X FRONT-TO-BACK. DRAIN: METAL GRID W/ OVERFLOW. KOHLER FAUCET; BATTERY POWERED. SENSOR ACTIVATED FOR TEMPERED WATER OPERATION. CHROME PLATED METAL CONSTRUCTION. COMPLIANT TO ASME A112.18.1-2005, CSA B125.1-05, ISO/IEC 17025. SLOAN OPTIMA PLUS EBF-650. INSULATE SUPPLIES, TRAP AND TRAP ARM WITH UNDERSINK PROTECTIVE PIPE COVERS. PLUMBEREX HANDI-SHIELD.								
L 2 ADA		NON-PUBLIC RESTROOMS LAVATORY AND FAUCET. LAVATORY: UNDERMOUNT VITREOUS CHINA WITH OVERFLOW. APPROX. OVERALL DIMENSIONS: 20-1/4" SIDE-TO-SIDE X 17-1/2" FRONT-TO-BACK. KOHLER FAUCET; LOW LEAD SINGLE LEVER ADA HANDLE LOW ARC FAUCET WITHOUT DRAIN ASSEMBLY. CHROME PLATED BRASS CONSTRUCTION. THIRD PARTY CERTIFIED TO WATER SENSE, CSA B125.1, ASME A112.18.1, NSF 61/9. CHICAGO 420-CP. MAX. FLOW RATE AERATOR=0.4 GPM. INSULATE SUPPLIES, TRAP AND TRAP ARM WITH UNDERSINK PROTECTIVE PIPE COVERS. PLUMBEREX HANDI-SHIELD.								
MS 1		FLOOR MOUNTED MOP SINK AND FAUCET: SINK: DIMENSIONS: 24" X 24" X 10" HIGH. DRAIN: 2". STRAINER: 18 GAGE STAINLESS STEEL FLAT GRID. APPROX. WEIGHT: 335 LBS. MANUFACTURER AND MODEL: FLORESTONE MSR-2424. FAUCET: WALL-MOUNT W/ VACUUM BREAKER SPOUT. QUARTER-TURN STOPS. 3/4" HOSE OUTLET, PAIL HOOK AND WALL BRACE. APPLICABLE CODES AND STANDARDS: ASME A112.18.1/CSA B125.1. MANUFACTURER AND MODEL: CHICAGO 897-CP.	2"	2"	2"	1/2"	1/2"			
FD 1 W/TP		FLOOR DRAIN WITH TRAP PRIMER COATED CAST IRON DRAIN BODY, NICKEL BRONZE ADJUSTABLE HEEL-PROOF STRAINER (1/4 SQUARE HOLES) WITH VANDAL PROOF SCREWS. TRAP PRIMER CONNECTION. SIDE OUTLET NO-HUB. MANUFACTURER AND MODEL: J.R. SMITH NO. 2005-Y-02 ROUND TOP. TRAP PRIMER: PRECISION PRODUCTS NO. P-2.	2"	2"	1-1/2"	3/8"	FROM TP BELOW FLOOR			
EWH 1 2 3 4		TANKLESS ELECTRIC WATER HEATER TEMPERATURE RISE AT 0.75 GPM = 49 DEGREES F. ELECTRICAL: 208 V, 1 PH, 5,400 W, 26 FLA. CB SIZE: 40A. #8 CU. APPROX. DIMENSIONS: 8" WIDE X 15" HIGH X 4-1/8" DEEP. WEIGHT: 6 LBS. WATER CONNECTIONS: 1/2". MANUFACTURER AND MODEL: STEILBEL ELTRON DHC-E 8.				1/2"	1/2"			
DF 1 ADA		DRINKING FOUNTAIN. BARRIER-FREE BI-LEVEL ADA. NO-LEAD DESIGN. 14 GAGE STAINLESS STEEL. INTEGRAL P-TRAP. APPROX. DIMENSIONS: 39" WIDE X 21" HIGH X 18" DEEP. NOTE: PROVIDE WALL ACCESS PANEL UNDER EACH UNIT FOR UTILITY ACCESS. ELKAY EHW217C.	1-1/2"	1-1/2"	1-1/2"	1/2"				
HB 1		HOSE BIBB IN RECESSED NICKEL BRONZE WALL BOX, CYLINDER LOCK, 3/4" CW AND 3/4" HW SUPPLIES. QUARTER-TURN VALVES W/ WHEEL HANDLES. NON-REMOVABLE VACUUM BREAKER. "WATER" CAST ON COVER. MFR AND MODEL: J.R.SMITH 5560QT-SAP-CL-H-WH-W-NB				3/4"	3/4"			
PRV 1		PRESSURE REDUCING VALVE WITH INLET STRAINER. WATTS N223. SET TO 55 PSI.								
TMV 1		THERMOSTATIC MIXING VALVE. FLOW RATE: 0.5 TO 10 GPM. 1/2" CONNECTIONS. APPROX. DIMENSIONS: 5" WIDE X 6" HIGH X 2" DEEP. WATTS LFMMV. SHALL COMPLY WITH ASSE 1017, 1069, 1070.				1/2"	1/2"			
TP		TRAP PRIMER WITH DISTRIBUTION UNIT AS REQUIRED. MANUFACTURER AND MODEL: PRECISION PRODUCTS NO. P1, P2, D4.						3		
WHA		WATER HAMMER ARRESTOR. SEALED AIR CHAMBER. LEAD-FREE. SWEAT-ON CONNECTION. MANUFACTURER AND MODEL: PLUMBING PRODUCTS NO. SWA-						3		

- FIXTURE AND EQUIPMENT NOTES:**
- 1 LAVATORIES SHALL HAVE THE FOLLOWING SUPPLIES: SUPPLIES: CHROME PLATED COPPER RIGID TUBING. STOPS: CHROME PLATED ANGLE OR STRAIGHT QUARTER-TURN BALL VALVE STOP WITH SHALLOW CHROME PLATED BRASS ESCUTCHEON. BRASS CRAFT. PROVIDE DUAL OUTLET WHERE REQUIRED.
 - 3 PROVIDE SOV AND DEVICE BEHIND A 12" SQUARE KEY LOCKABLE WALL ACCESS PANEL FOR SERVICE ACCESS. ACCESS PANEL AND FRAME SHALL BE STAINLESS STEEL OR PAINTABLE - VERIFY FINISH WITH ARCHITECT.
 - 4 IN HANDICAP ACCESSIBLE BATHROOMS: INSULATE SUPPLIES, TRAP AND TRAP ARM WITH UNDERSINK PROTECTIVE PIPE COVERS, PLUMBEREX HANDI-SHIELD.

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<input type="checkbox"/> CONSTRUCTION SET	13-007

**Rancho Mirage
Community Park
Expansion &
Amphitheater
Project**

**CP 12-284
71-560 San Jacinto Dr
Rancho Mirage, CA
92270**

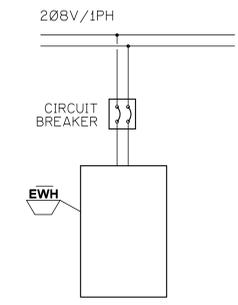
for
**The City of
Rancho Mirage**

69-825 Highway III
Rancho Mirage, CA 92270

760.324.4511

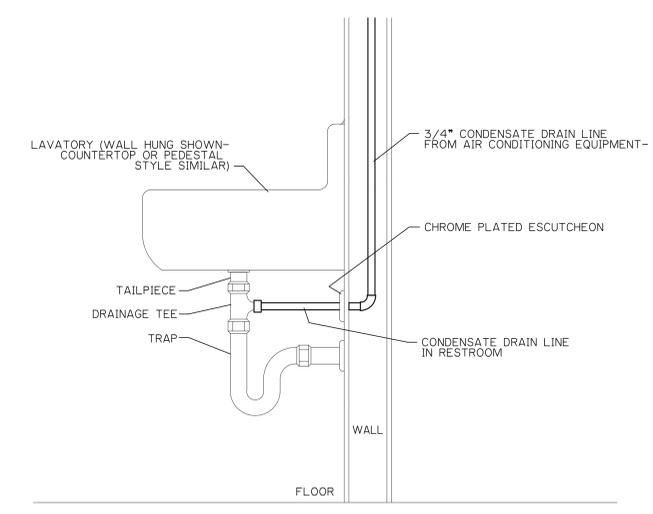
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SHEET NUMBER:
P3.0

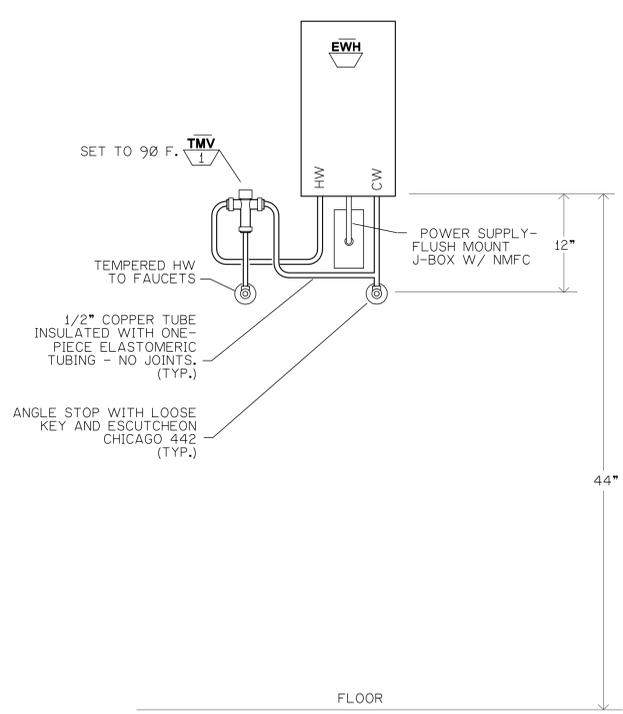


NOTE: REFER TO MANUFACTURER'S LITERATURE FOR EXACT WIRING REQUIREMENTS AND TERMINATIONS.

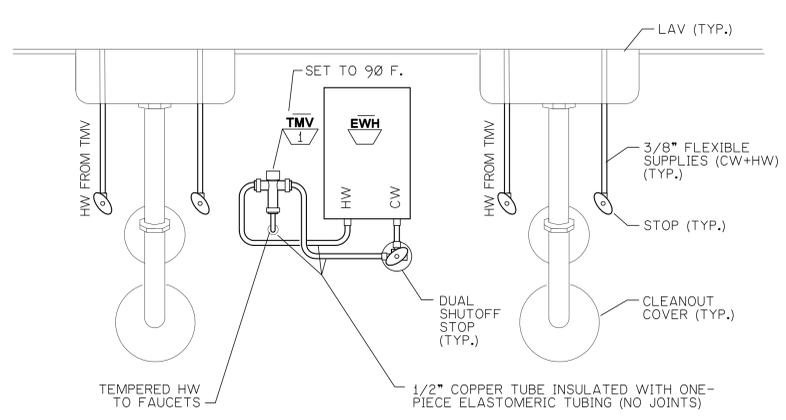
3 ELECTRIC WATER HEATER WIRING DIAGRAM
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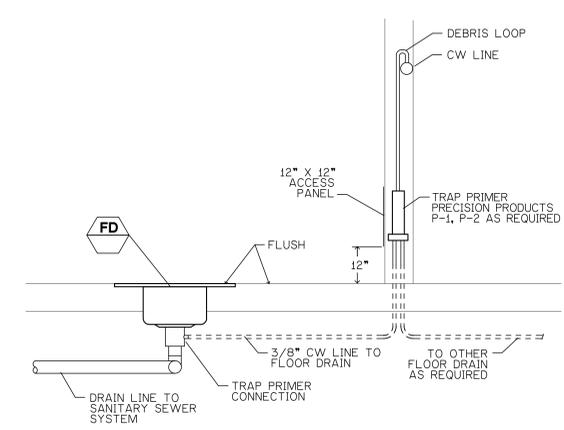
2 A/C UNITS CONDENSATE DRAIN TO LAVATORY TAILPIECE DETAIL
SCALE: NONE



4 ELECTRIC WATER HEATER EWH-1 MOUNTING AND PIPING DETAIL
SCALE: NONE



5 ELECTRIC WATER HEATER EWH-2, 3, 4 MOUNTING AND PIPING DETAIL
SCALE: NONE



1 FLOOR DRAIN AND TRAP PRIMER DETAIL
SCALE: NONE

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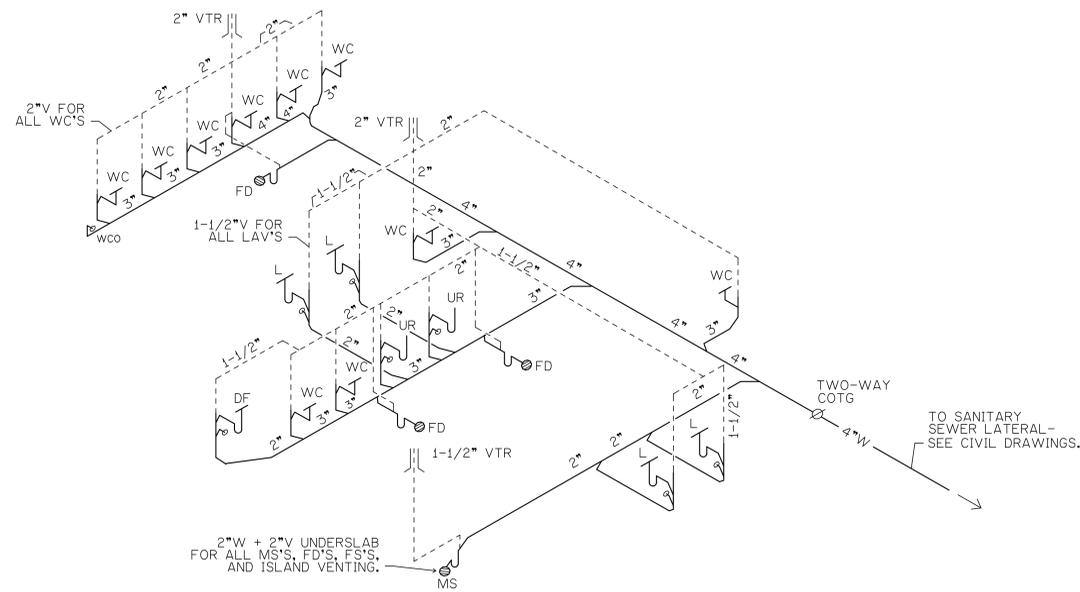
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Rancho Mirage Community Park Expansion & Amphitheater Project

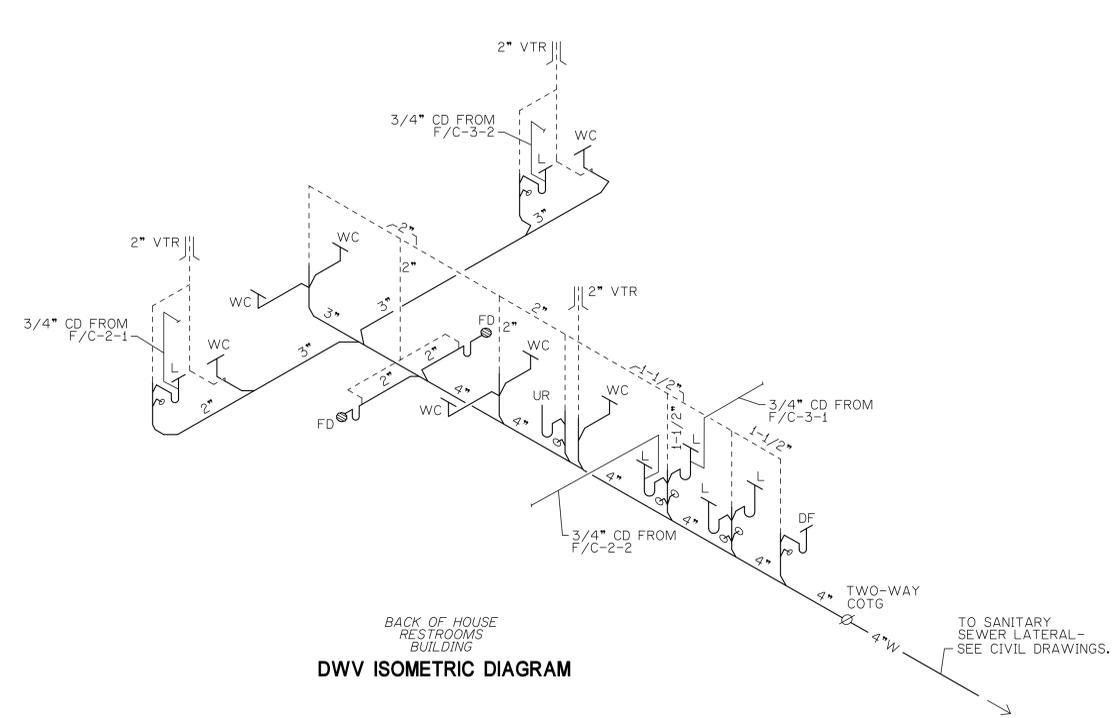
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Rancho Mirage, CA 92270
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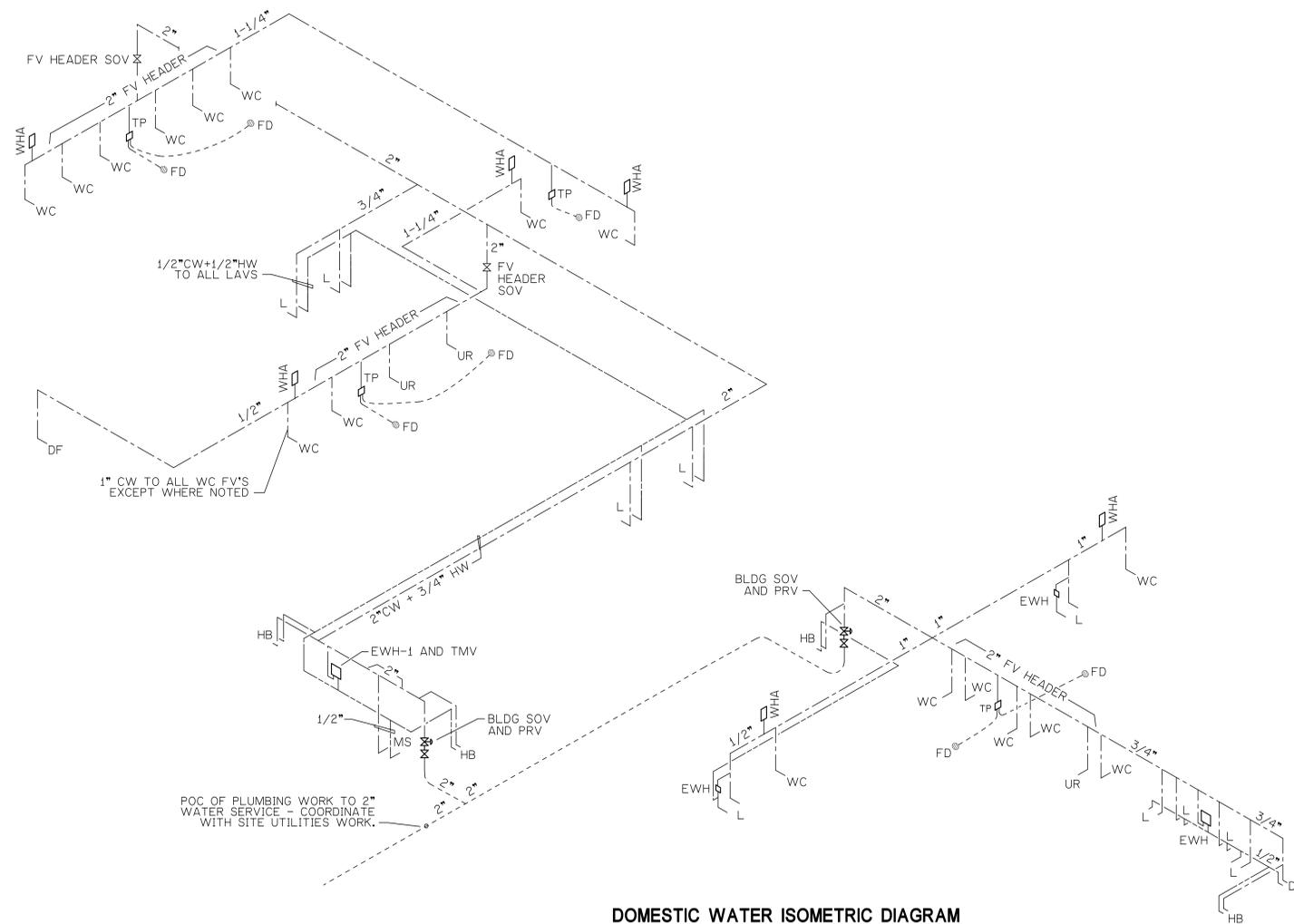
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DETAILS AND DIAGRAMS
SHEET NUMBER:
P3.1



PUBLIC RESTROOMS
BUILDING
DWV ISOMETRIC DIAGRAM



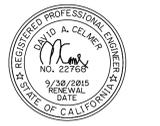
BACK OF HOUSE
RESTROOMS
BUILDING
DWV ISOMETRIC DIAGRAM



DOMESTIC WATER ISOMETRIC DIAGRAM

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P3.2