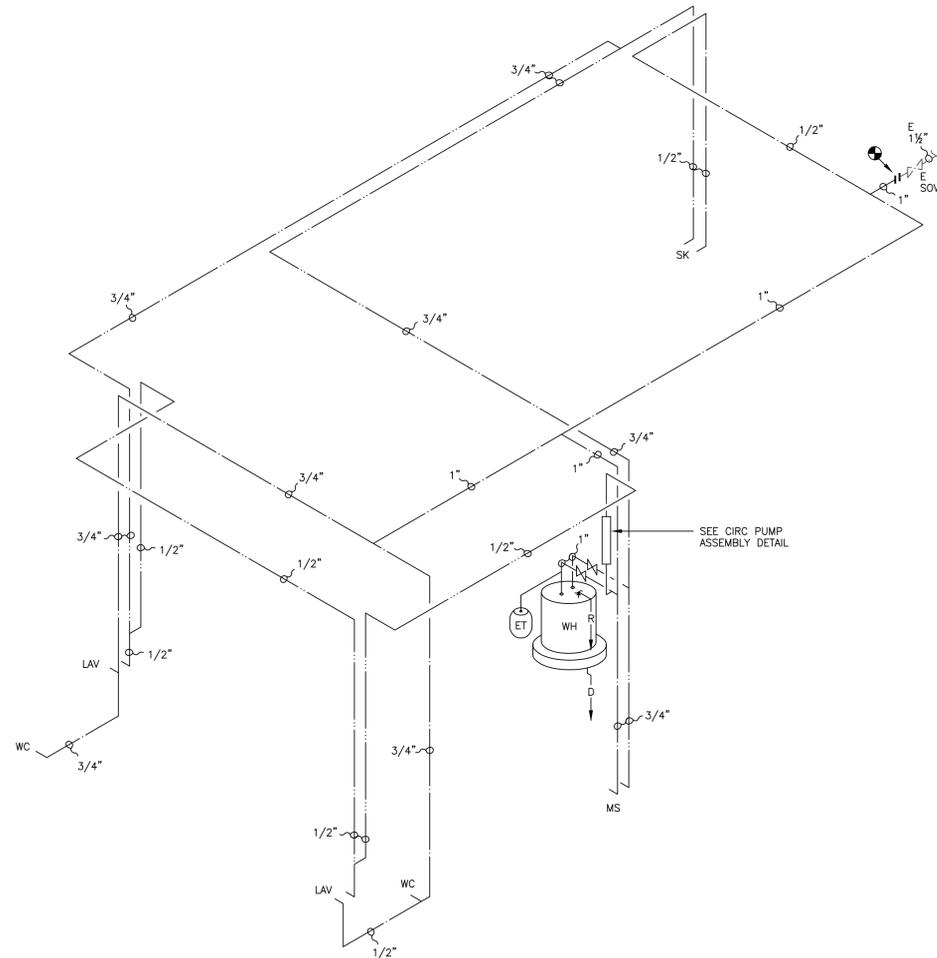
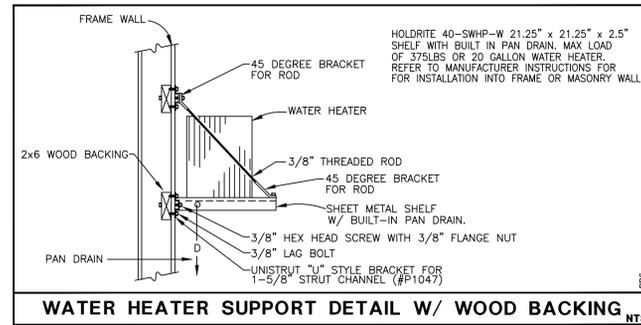


WASTE & VENT DIAGRAM
NTS



HOT & COLD WATER DIAGRAM
NTS



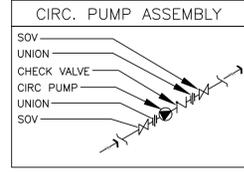
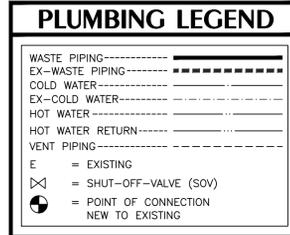
WATER HEATER SUPPORT DETAIL W/ WOOD BACKING
NTS

TRAPARM SCHEDULE

SIZE OF TRAP (INCHES)	SLOPE (INCH PER FOOT)	DISTANCE FROM TRAP TO VENT (FEET)
1 1/4"	1/4	5
1 1/2"	1/4	6
2"	1/4	8
3"	1/8	12
4" & LARGER	1/8	16

PIPE SIZING CHART

PIPE SIZE	GPM	FIXTURE UNITS
1/2"	2	2
3/4"	6	7
1"	14	20
1 1/4"	24	38
1 1/2"	36	78
2"	80	273



PLUMBING NOTES

- (ALL WORK DONE TO BE IN COMPLIANCE WITH 2018 IPC, IECC AND CURRENT CITY AMENDMENTS)
- GENERAL**
- BUILDING IS SINGLE STORY.
 - PLBR TO SAWCUT AND PATCH EXISTING CONCRETE FLOOR AS REQUIRED. COORDINATE W/GENERAL CONTRACTOR.
 - PLBR TO PROVIDE STUB-OUT FOR LAWN SPRINKLER SYSTEM --- COORDINATE EXACT SIZE AND LOCATION WITH SPRINKLER CONTRACTOR.
 - CONTRACTOR SHALL VERIFY SCALE OF DRAWINGS WITH ARCHITECTURAL DRAWINGS BEFORE SUBMITTING ANY BID.
- ABBREVIATIONS**
- FFE = FINISH FLOOR ELEVATION
 - 2WCO = TOWAYCLEAN OUT
 - SCO = SURFACE CLEAN OUT
 - POC = POINT OF CONNECTION
 - CD = WALL CLEANOUT
 - VTR = VENT THRU ROOF
 - SDV = SHUT OFF VALVE
 - PLUMBING FIXTURES TO HAVE THE FOLLOWING MAXIMUM RATE OF FLOW:
WC = 1.6 GAL PER FLUSH
SK = 2.0 GPM
MS = 2.0 GPM
LAV = 0.5 GPM
- WASTE**
- DRAIN WASTE & VENT: 1/2" APPROVED ABS OR PVC PIPE AND FITTINGS.
 - SLOPE ALL SEWER @ 2% (1/4" PER FOOT)
 - EACH CLEAN OUT SHALL BE READILY ACCESSIBLE AND SO LOCATED AS TO SERVE ITS INTENDED PURPOSE.
 - OFFSET ALL PLUMBING VENTS MINIMUM 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL CONTRACTOR.
 - ALL VENT PIPING, WATER PIPING, ETC. PENETRATING ROOF SHALL BE PROPERLY FLASHED WITH MINIMUM 26 GAUGE GALVANIZED STEEL CAULKED TO PIPING AND EXTENDED 6" ABOVE ROOFING. COORDINATE WITH GENERAL CONTRACTOR & ROOFING SUB-CONTRACTOR.
 - ALL SURFACE CLEAN OUTS SHALL EXTEND TO GRADE.
 - TEST ALL WASTE PIPING PRIOR TO BACKFILL AND CONCEALMENT. CONTRACTOR SHALL CALL FOR INSPECTION AND WITNESS TESTING PRIOR TO CONCEALING WASTE PIPING.
- WATER**
- POTABLE WATER: TYPE "L" HARD COPPER THROUGHOUT WITH LEAD FREE SILVER SOLDER.
 - WATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL BE A LISTED STANDARD IN IPC TABLE 605.5
 - WRAP HOT WATER AND DRAIN PIPING FROM HANDICAPPED LAVATORY TO WALL WITH PLUMBEREX HANDY SHIELD SAFETY COVER OR OTHER EQUAL ASTM E84 CLASS A MATERIAL WITH A MAXIMUM 25 FLAME/450 SMOKE SAFETY COVERS OR EQUAL INSULATION AS REQUIRED PER HANDICAPPED REQUIREMENTS. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
 - TEST ALL WATER PIPING PRIOR TO BACKFILL AND CONCEALMENT. CONTRACTOR SHALL CALL FOR INSPECTION AND WITNESS TESTING PRIOR TO CONCEALING WATER PIPING.
 - INSULATE ALL HOT WATER (105°F-140°F) PIPING AS FOLLOWS:
NOMINAL PIPE SIZE INSULATION THICKNESS
1/2" TO 1-1/4" 1"
6) PIPING INSULATION FOR 105-140° FAHRENHEIT SHALL HAVE A CONDUCTIVITY OF 0.21-0.27 BTU PER INCH/CHR° FT2° FAHRENHEIT).
- CONDENSATE**
- COORDINATE WITH MECHANICAL CONTRACTOR TERMINATION OF ALL A/C CONDENSATE DRAINS CONDENSATE DRAIN PIPING SHALL BE TYPE M COPPER WITH LEAD FREE SOLDER.
- FIXTURES**
- ALL FIXTURES APPLIANCES AND APPURTENANCES SHALL HAVE SHUT-OFF VALVES.

PLUMBING FIXTURE SCHEDULE

- NOTE: ALL FIXTURES AND FINISHES SHALL BE APPROVED BY ARCHITECT & OWNER PRIOR TO ORDERING.**
- MS-MOP SINK: FLR MTD/24" X 24" X 12"/MOLDED STONE/FIAT #MSB-2424 COMPLETE W/ FIAT #830-AA SUPPLY/TILING FLANGE, 20 GA S.S. BACKSPLASH PANELS, RUBBER HOSE, PAIL HOOK, THREADED SPOUT, STRAINER, VAC BRKR & MDP HANGER.
- WH-WATER HEATER: 20 GALLON/LOWBOY/4,500 WATT @ 208v SINGLE PHASE/GLASSLINED/BRADFORD WHITE #LE1-20L3-3 / PROVIDE W/ TEMPERATURE CONTROLS AND HEAT TRAPS PER IECC.
- CP-CIRC PUMP: TACO #00S-SF2/1/35 HP/120V SINGLE PHASE/STAINLESS STEEL/PROVIDE TIMER PER IECC.
- ET-EXPANSION TANK: AMTRON #ST-SC/2.0 GALLON CAPACITY/3/4" CONNECTION
- SK-SINK: COUNTER MOUNTED/SINGLE COMPARTMENT/19" X 21"/18 GA S.S./JUST RSL-1921-A-GR/SELF RIM/3" HOLE/COMPLETE W/ JUST #JWF-200-W4 GOOSENECK FAUCET W/ 4" WRISTBLADE HANDLS, TAILPIECE, P-TRAP & CRUMB CUP STRAINER/7.5" DEEP BOWL.
- LAV-LAVATORY: WALL MTD/VIT CHINA/19" X 17"/AMERICAN STANDARD "LUCERNE" #0356.015 COMPLETE W/ SYMMONS #S-244 FAUCET W/ WRISTBLADE HANDLS, MIXING VALVE (TEMPERATURE LIMITED TO 110°), TAILPIECE, P-TRAP, OFFSET GRID STRAINER & WALL CARRIER/ADA COMPLIANT.
- WC-WATER CLOSET: ADA COMPLIANT/FLR MTD/PRESSURE ASSISTED TANK TYPE/VIT CHINA/AMERICAN STANDARD "CADET" #2467.016 COMPLETE W/SUPPLY & SOLID PLASTIC OPEN FRONT SEAT.

WATER CALCULATIONS

QUANTITY	FIXTURE	LOAD VALUE		TOTAL LOAD VALUE VALUE	TOTAL FIXTURE UNITS
		COLD	HOT		
2	WC (FLUSH TANK)	5	-	5	10
1	LAVATORY	1.5	1.5	3	4
1	SINK	2.25	2.25	4.5	6
1	MOP SINK				6

NUMBER OF EXISTING FIXTURE UNITS = 38
 NUMBER OF DEMO'D FIXTURE UNITS = 12
 NUMBER OF NEW FIXTURE UNITS = 19
 NUMBER OF POSSIBLE FUTURE FIXTURE UNITS = 41
 TOTAL NUMBER OF FIXTURE UNITS = 86 @ 40 GPM
 PRESSURE @ METER = 65 PSI - 12 PSI (BFP) - 10 PSI (ML) = 43 PSI
 USE EXISTING 1" WATER METER WITH 1-1/2" BUILDING SUPPLY
 43 - (20 + (15 x .43)) = 16.55 PSI
 ALLOWABLE LOSS/100 FEET OF TOTAL DEVELOPED LENGTH OF PIPE:
 100 x 16.55 / 300 FEET (TDL) = 5.5 PSI
 PLUMBING CONTRACTOR TO VERIFY AND COORDINATE EXACT STREET PRESSURE AND NOTIFY ENGINEER OF ANY DISCREPANCIES.



DIGGES DESIGN INTERIORS LLC

PINAL PROFESSIONAL VILLAGE
SAN TAN VALLEY, AZ 85140

2nd CHANCE TREATMENT CENTER

PLUMBING NOTES AND DIAGRAMS

PROJECT:

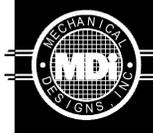
PROJECT NO: 2125.01
DATE: 11-19-2021
REVISED:

DRAWN BY: JD

SHEET

P2.1

OF



7227 N. 16th Street, Suite 200 Phoenix, AZ. 85020
 Job No: 18782
 Consulting Engineers Phone (602) 943-6608
 Fax (602) 943-6181
 Web: MechDesigns.com