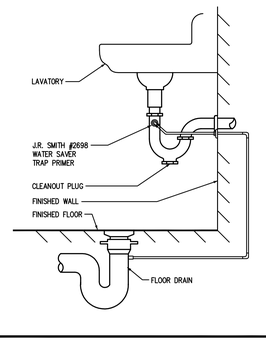


MIXING VALVE DETAIL
N.T.S.

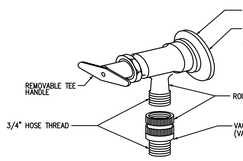
TRAP PRIMER DETAIL

SCALE: N.T.S.



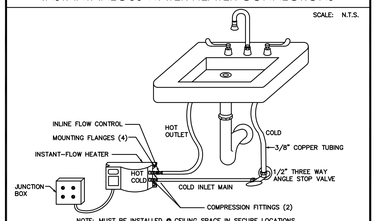
HOSE BIBB DETAIL

SCALE: N.T.S.



INSTANTANEOUS WATER HEATER CONNECTIONS

SCALE: N.T.S.

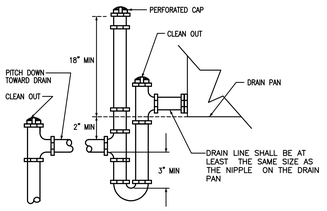


NOTE: MUST BE INSTALLED @ CEILING SPACE IN SECURE LOCATIONS NOT ACCESSIBLE TO THE PUBLIC. FIELD COORDINATE.

I.D.	MANUFACTURER	MODEL	VOLTAGE	KW	PHASE
IWH	CHRONOMITE	M-20L	120	2.41	1

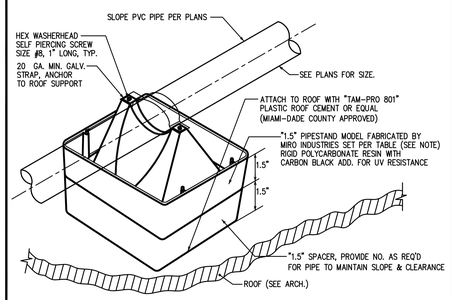
TYPICAL CONDENSATE TRAP

SCALE: N.T.S.



CONDENSATE ROOF PIPING SUPPORT DETAIL

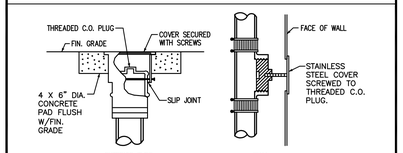
SCALE: N.T.S.



NOTE: CONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS. ACCOMMODATE HEIGHT OF SUPPORT IN ORDER TO COMPLY WITH AIR GAP REQUIREMENT AT ROOF DRAIN. CONDENSATE PIPE TERMINATION SHALL BE 2" EXISTING ABOVE ROOF DRAIN. PROVIDE SUPPORTS AS PER TABLE 305.4 OF F.B.C – MECHANICAL.

TYPICAL CLEANOUT DETAIL

SCALE: N.T.S.



EXTERIOR TYPE — WALL

FOR FIRE RATED WALL REFER TO MANUFACTURER SPECIFICATIONS/DETAILS

PLUMBING FIXTURE SCHEDULE

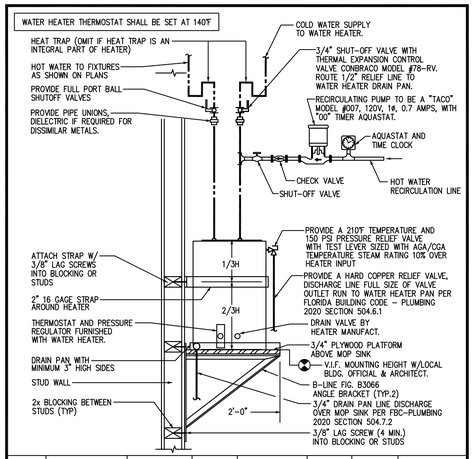
NAME	FIXTURE	MODEL #	ACCESSORIES
LAV	LAVATORY UNDERCOUNTER	AMERICAN STANDARD OVALYN MODEL # 0496.221.020	FAUCET: AMERICAN STANDARD NEXTGEN SELECTRONIC 0.35 GPM MIXING VALVE 605DTMVD070 FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS, ADJUSTABLE "P" TRAP WITH MCGUIRE 155WC GRID DRAIN
WC	WATER CLOSET (FLUSH VALVE, WALL MOUNTED	AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED MODEL #3351.101.020 (1.1 G.P.F).	AMERICAN STANDARD SENSOR FLUSH VALVE MODEL # 6065.101.002 BATTERY. CENTOCO 5000C OPEN FRONT SEAT, TOILETS RIM HIGH TO BE 15". CARRIER: WATTS MODEL # SCA-101-L/R-M11 CARRIER: WATTS MODEL # SCA-D (BACK TO BACK HORIZONTAL) (15-1/2" MINIMUM FROM FACE WALL TO FACE WALL)
WC-1	WATER CLOSET (FLUSH VALVE, WALL MOUNTED	AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED MODEL #3351.101.020 (1.1 G.P.F).	AMERICAN STANDARD SENSOR FLUSH VALVE MODEL # 6065.101.002 BATTERY. CENTOCO 5000C OPEN FRONT SEAT, TOILETS RIM HIGH TO BE 15". CARRIER: WATTS MODEL # SCA-101-L/R-M11 CARRIER: WATTS MODEL # SCA-D (BACK TO BACK HORIZONTAL) (15-1/2" MINIMUM FROM FACE WALL TO FACE WALL)
UR	URINAL WALLHUNG ADA	AMERICAN STANDARD WASHBROOK #3590.001 (0.125 GPF)	FLUSH VALVE: AMERICAN STANDARD SELECTRONIC MODEL # 6065.013 BATTERY CARRIER: WATTS MODEL # CA-311
LAV-2	LAVATORY WALL HUNG	AMERICAN STANDARD MURRO MODEL # 0955.001EC W/ 0062.000 (SHROUD)	FAUCET: AMERICAN STANDARD NEXTGEN SELECTRONIC 0.35 GPM MIXING VALVE 605DTMVD070 FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS, ADJUSTABLE "P" TRAP WITH MCGUIRE 155WC GRID DRAIN CARRIER: WATTS MODEL # WCA-411
WC-3	WATER CLOSET TANK ADA	AMERICAN STANDARD CADET MODEL # 2467. 016 1.6 GPF	BEMIS MODEL # 2155CT/2155SSCT HEAVY DUTY TOILET SEAT. PROVIDE FLOOR FLANGE WITH ALL BRASS BOLTS AND RUBBER GASKET.
MOP/SK	MOP SINK	STERN WILLIAMS MODEL # SB-900-T-35-T-40-BP OR EQUAL. COORDINATE WITH ARCHITECT	FAUCET: AMERICAN STANDARD MODEL # 8344.212.004
EWC A.D.A.	ELECTRIC WATER COOLER BOTTLE FILLING A.D.A BI-LEVEL	ELKAY MODEL # LZSTL8WSLK (FILTERED WATER)	INSTALLATION: AS PER FLORIDA BUILDING CODE PLUMBING 2020 AND FLORIDA ACCESSIBILITY CODE REQUIREMENTS.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	WATER PIPE SIZE	NOMINAL SAN. SIZE	MAXIMUM FLOW RATES
WATER CLOSET (FLUSH VALVE)	1"	3"	1.1 GPF
WATER CLOSET (TANK)	1/2"	3"	1.6 GPF
LAVATORY	1/2"	1 1/4"	.35 GPM
MOP SINK	1/2"	3"	2.0 GPM
ELECTRIC WATER COOLER	1/2"	1 1/4"	.5 GPM
SINK	1/2"	1 1/2"	1.5 GPM
URINAL	3/4"	2"	0.5 GPF

NOTES:

1. ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF THE F.P.C.
2. ALL WALL HUNG PLUMBING FIXTURES SHALL COMPLY W/ FBC 2318.1.15 OR 2517.5.1.1.
3. TRAP INSULATION TO MEET ADA REQUIREMENTS AND COMPLY WITH ASTM E-84 (PLUMBEREX MODEL#396 OR EQUAL).
4. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND ALL WATER HAMMER ARRESTERS. ACCESS PANELS IN RATED WALLS MUST MAINTAIN THE SAME RATING AND MUST MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.



I.D.	MANUFACTURER	MODEL	GALS.	VOLTAGE	KW	PHASE	REMARKS
EWH	RHEEM	EGSP30	30	208	4.5	1	

WATER HEATER DETAIL

SCALE: N.T.S.

PLUMBING GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2. CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
3. ALL MATERIAL SHALL BE NEW.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.
5. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
6. REQUIRED INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK.
7. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS.
8. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
9. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINING CONSTRUCTION.
10. VERIFY LOCATION, SIZE, INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINING CONSTRUCTION. ADVICE ENGINEER OF ANY DISCREPANCIES.
11. WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER AND TYPE "K" COPPER FOR 2-1/2" AND ABOVE.
12. SOIL, WASTE AND VENT PIPING SHALL BE CAST IRON OR SCHEDULE 40 PVC (N.W.V. MAY BE USED ON SANITARY, STORMDRAINS, AND CONDENSATE LINES WHERE LOCAL CODE AND ORDINANCES WILL ALLOW. PVC MAY NOT BE USED IN ANY MECHANICAL ROOMS OR IN ANY RETURN AIR PLENUMS AND MAY NOT PENETRATE ANY RATED WALL OR FLOORS. PVC MAY NOT BE INSTALLED IN ANY GARAGE SPACES.
13. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE COPPER DRAIN WASTE AND VENT PIPING AND FITTINGS. INSULATE ALL CONDENSATE PIPING EXCEPT UNDERGROUND AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS, AT EACH PLUMBING FIXTURE AND P.D.I. APPROVED SHOCK ARRESTORS ON MAIN LINES.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD (HAIR FELT LINING).
17. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM CHASE TECHNOLOGY CORP.– CTC PR-853 OR 3M, CP-25 CAULKING OR 303 PUTTY, TO ACHIEVE SAME RATING AS WALLS OR FLOORS.
18. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
19. NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
20. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.; WATER STUBBED THRU FOR ELECTRICAL GROUND AND SPRINKLER HEAD AND PIPE W/CONTROL VALVE AS APPROVED BY LOCAL BUILDING AND FIRE DEPARTMENTS.
21. ALL HOT & COLD WATER PIPES, AND CONDENSATE PIPING SHALL HAVE IDENTIFICATION AND FLOW DIRECTIONS BANDS.
22. CONTRACTOR SHALL KEEP A SET OF AS BUILTS DWG. ON THE JOB SITE AT ALL TIMES AND DELIVER A SET OF UP TO DATE AS-BUILTS TO THE ENGINEER AND OWNER AT THE COMPLETION OF THE PROJECT.
23. "THIS PROJECT IS PURSUING LEED NC v4 CERTIFICATION. ALL CONTRACTORS WITH SCOPE CONTRIBUTING TOWARDS THE LEED REQUIREMENTS SHALL BE RESPONSIBLE FOR DOCUMENTING AND EXECUTING ALL ACTIVITIES AS DIRECTED BY SECTION 018113 SUSTAINABLE DESIGN REQUIREMENTS OF THE SPECIFICATION BOOK FOR COMPLETED ACCORDING TO OWNER REQUIREMENTS. COMMISIONED SYSTEMS SHALL INCLUDE HVAC, LIGHTING / LIGHTING CONTROL, AND DOMESTIC HOT WATER. ALL CONTRACTORS WITH SCOPE FOR THESE SYSTEMS SHALL BE RESPONSIBLE FOR CARRYING OUT TESTING ACTIVITIES AS DIRECTED BY COMMISSIONING AGENT. SEE THE PROJECT COMMISSIONING PLAN FOR FURTHER INFORMATION. ALL CONTRACTORS WITH SCOPE CONTRIBUTING TOWARDS THE COMMISSIONING REQUIREMENTS SHALL BE RESPONSIBLE FOR DOCUMENTING AND EXECUTING ALL ACTIVITIES AS DIRECTED BY SECTION 019113 GENERAL COMMISSIONING REQUIREMENTS OF THE SPECIFICATIONS BOOK FOR FURTHER INFORMATION."
24. ALL HOT AND COLD WATER COPPER TUBING SHALL BE ASTM B819 TYPE "L". IDENTIFIED WITH MANUFACTURER'S MARKINGS JOINTS: BRAZED.

SLOPE OF HORIZ. DRAINAGE PIPE

SIZE (inches)	MINIMUM SLOPE (inch per foot)	
2-1/2 or less	1/4	
3 to 6	1/8	
8 or larger	1/16	

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2017

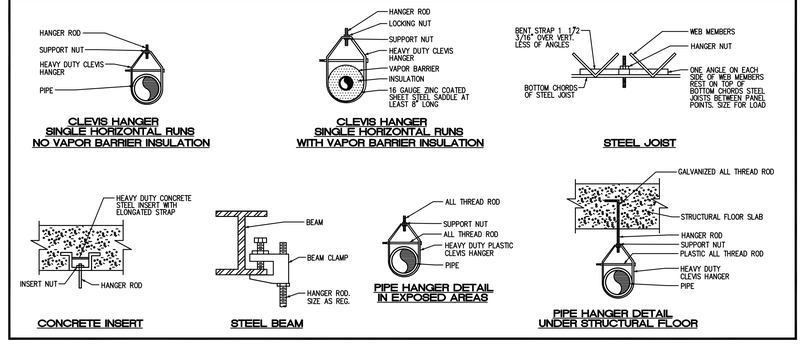
SHOCK ARRESTOR SCHEDULE

P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIOUX CHIEF 652-A	1-11	1/2"
B	SIOUX CHIEF 653-B	12-32	3/4"
C	SIOUX CHIEF 654-C	33-60	1"

SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.

TYPICAL PIPE HANGERS (SANITARY AND WATER PIPING)

SCALE: N.T.S.



CLEVIS HANGER SINGLE HORIZONTAL RUNS NO VAPOR BARRIER INSULATION

CLEVIS HANGER SINGLE HORIZONTAL RUNS WITH VAPOR BARRIER INSULATION

STEEL JOIST

CONCRETE INSERT

STEEL BEAM

PIPE HANGER DETAIL IN EXPOSED AREAS

PIPE HANGER DETAIL UNDER STRUCTURAL FLOOR

PLUMBING INDEX

		DRAWING	⚠		
1	P001	PLUMBING INDEX, SYMBOL LEGEND AND NOTES			
2	P101	LEVEL 1 – AREA A – DOMESTIC WATER FLOOR PLAN			
3	P102	LEVEL 1 – AREA B – DOMESTIC WATER FLOOR PLAN			
4	P103	LEVEL 1 – AREA C – DOMESTIC WATER FLOOR PLAN			
5	P104	LEVEL 1 – AREA A – SANITARY FLOOR PLAN			
6	P105	LEVEL 1 – AREA B – SANITARY FLOOR PLAN			
7	P106	LEVEL 1 – AREA C – SANITARY FLOOR PLAN			
8	P121	LEVEL 2 – AREA A – DOMESTIC WATER FLOOR PLAN			
9	P122	LEVEL 2 – AREA B – DOMESTIC WATER FLOOR PLAN			
10	P123	LEVEL 2 – AREA C – DOMESTIC WATER FLOOR PLAN			
11	P124	LEVEL 2 – AREA A – SANITARY FLOOR PLAN			
12	P125	LEVEL 2 – AREA B – SANITARY FLOOR PLAN			
13	P126	LEVEL 2 – AREA C – SANITARY FLOOR PLAN			
14	P131	ROOF – AREA A – PLUMBING FLOOR PLAN			
15	P132	ROOF – AREA B – PLUMBING FLOOR PLAN			
16	P133	ROOF – AREA C – PLUMBING FLOOR PLAN			
17	P200	PLUMBING ISOMETRICS			
18	P201	PLUMBING ISOMETRICS			
19	P202	PLUMBING ISOMETRICS			
20	P203	PLUMBING ISOMETRICS			
21	P–	X			
22	P–	X			
23	P–	X			
24	P–	X			
25	P–	X			
26	P–	X			
27	P–	X			
28	P–	X			

SHOP DRAWING REQUIREMENTS

1. CONTRACTOR SHALL SUBMIT DIGITAL SHOP DRAWINGS, TOGETHER AT ONE TIME AND MUST COME THROUGH THE ARCHITECT. ALL SUBMITTALS SHALL BE MADE WITHIN 30 DAYS OF NOTICE TO PROCEED.
2. ALL SUBMITTALS MUST CLEARLY INDICATE EXACTLY WHICH ITEMS ARE BEING PROPOSED FOR USE. IF NOT, THE SUBMITTAL SHALL BE REJECTED.
3. SUBSTITUTIONS SHALL BE LIMITED TO ONE OF THE ALTERNATES LISTED IN THE CONSTRUCTION DOCUMENTS. PRODUCTS CONSIDERED TO BE EQUAL SHALL BE REVIEWED AND ACCEPTED BY THE ENGINEER, ARCHITECT AND OWNER (10) DAYS PRIOR TO BID DATE.
4. THE CONTRACTOR ASSUMES ALL DESIGN RESPONSIBILITY AND ALL FINANCIAL RISKS FOR PROCEEDING PRIOR TO SHOP DRAWINGS PROCESSING, AND ON ANY ITEM OR WORK THAT IS AT VARIANCE TO THE CONSTRUCTION DOCUMENTS.

NOTE:
DRAWINGS/DETAILS ARE TO BE CONSIDERED DIAGRAMMATIC. NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL MINOR ITEMS. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK, AND CHECK/COORDINATE DRAWINGS OF ALL TRADES

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SANITARY LINE
	VENT LINE
SD	STORM DRAIN LINE
CD	CONDENSATE LINE
	COLD WATER LINE
	HOT WATER LINE
	GATE VALVE
	WATER HAMMER ARRESTOR
	FLOOR PENETRATION
FD	FLOOR DRAIN
RD	ROOF DRAIN
RD-1	PVC ROOF DRAIN (BODY AND DOME)
CO	CLEAN OUT
WCO	WALL CLEANOUT
FCO	FLUSH CLEAN OUT
VTR	VENT THRU ROOF
RWL	RAIN WATER LEADER
HBB	HOSE BIBB
BFP	BACKFLOW PREVENTER

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PROJECT #: 230515-G

CIVIL CONSULTANT:

DESIGNER CONSULTANT:

REVISIONS:

NO.	DATE	DESCRIPTION

CLIENT:
CLIENT NAME

PROJECT NAME / LOCATION:
PROJECT NAME
PROJECT ADDRESS

DRAWING TITLE:

EXAMINER'S SIGNATURE:
INDEX, NOTES AND SYMBOL LEGEND

PROFESSIONAL SEAL:

Digitally signed by George SanJuan
Date: 2023.12.27 11:36:42 -05'00'

GEORGE SANJUAN, P.E.
FLORIDA LICENSE #66100

SCALE: AS SHOWN

DATE:

PROJECT NO.:

DRAWING NO.: P001

BARCODE

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE DRAWING. THE DRAWINGS SHALL NOT BE USED UNTIL SIGNED BY CONSULTANTS.