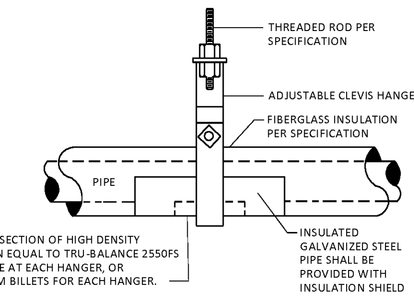
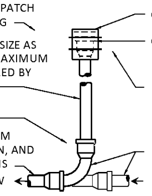
1 NOT USED
SCALE: NONE



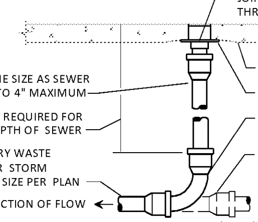
WATER PIPING (COPPER TYPE "L")				
PIPE SIZE	WEIGHT / FT. WITH WATER (IN LBS.)	MAX. SPACING	LOAD / HGR.	ROD SIZE
1/2"	.38	6'	2.28	3/8"
3/4"	.66	6'	3.96	3/8"
1"	1.04	6'	6.24	3/8"
1-1/4"	1.43	6'	8.58	3/8"
1-1/2"	1.92	6'	19.2	3/8"
2"	3.09	10'	30.8	3/8"
2-1/2"	4.52	10'	45.2	3/8"

TABLE APPLIES TO METAL PIPE. HANGER SPACING FOR PLASTIC PIPE SHALL NOT EXCEED 4'.

2 PIPE HANGING DETAIL
SCALE: NONE

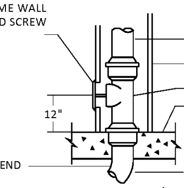


CLEANOUT TO GRADE (COG)



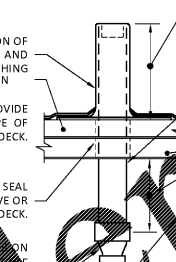
FLOOR CLEANOUT (COF)

COORDINATE CLEANOUT LOCATIONS/MOUNTING HEIGHTS WITH ALL WALL AND FLOOR FINISHES PRIOR TO ROUGH-IN. COORDINATE WITH ARCH. DWGS.



WALL CLEANOUT (COW)

3 CLEANOUT DETAILS
SCALE: NONE



LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, TWENTY FIVE FEET FROM ANY OPENING OR FRESH AIR INTAKE IN MEDICAL FACILITIES AND ONE FOOT FROM ANY VERTICAL SURFACE. REFER TO LOCAL CODES FOR OTHER VENT TERMINATION REQUIREMENTS. LOCATE VTR MINIMUM 18" FROM ADJACENT WALL, PARAPET, EXPANSION JOINT, ROOF DRAIN, EQUIPMENT CURB OR OTHER ROOF FEATURE. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS. INSULATE LAST SIX FEET OF VENT PIPE INSIDE BUILDING PER SPECIFICATIONS.

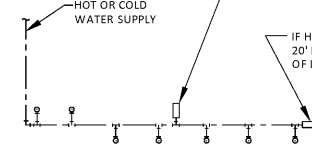
4 VENT THRU ROOF ("VTR")
SCALE: NONE

5 NOT USED
SCALE: NONE

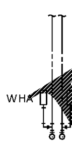
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/MODEL		CONNECTION SIZES: TRAP	WASTE	VENT	CW	HW	SFU	DFU	REMARKS
KS	SINK - SINGLE COMPARTMENT	ELKAY	ELUHAD211555	2"	2"	1-1/2"	1/2"	1/2"	4	2	UNDERMOUNT TYPE 304 STAINLESS STEEL SINK. 3-1/2" DRAIN OPENING. INSULATION KIT FOR WATER AND WASTE PIPING. SWING LONG SPOUT WITH LEVER HANDLE. PROVIDE DELTA #100-DST AND INCLUDE 0.5 GPM AERATOR. PROVIDE BADGER INSINKERATOR FOOD WASTE DISPOSER. 120V, 1 PHASE, 6.3A, 1/2 HP.
WH	EXISTING WATER HEATER ELECTRIC 10 GALLON	RHEEM	EXISTING	---	---	---	3/4"	3/4"	---	---	2.0KW SINGLE ELEMENT. 120V, 1 PHASE. PRESSURE AND TEMPERATURE RELIEF VALVE. SIDE OUTLET & INLET.
ET	EXPANSION TANK	AMTROL ALTERNATES BELL & GOSSETT	ST-5 ALTERNATES PT-5	---	---	---	3/4"	---	---	---	WELDED STEEL PRESSURE TANK, POLYPROPYLENE LINING, FLEXIBLE BUTYL DIAPHRAGM, AIR CHARGING VALVE. 150 PSI MAXIMUM WORKING PRESSURE, 2.0 GALLON CAPACITY, 0.45 MAXIMUM ACCEPTANCE FACTOR. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.
RP	RECIRCULATING PUMP	BELL & GOSSETT	NBF-22U	---	---	---	---	3/4"	---	---	LEAD FREE BRONZE CIRCULATING PUMP 120 VOLT, 1 PHASE 0.8 AMPS WITH AQ-3/4" AQUASTAT AND TC-1 TIMER.
COF	CLEANOUT FLOOR	J.R. SMITH	4120S	---	SEE PLAN	---	---	---	---	---	HEAVY DUTY NICKEL BRONZE TOP WITH ABS PLUG. MOUNT IN ACCESSIBLE LOCATION. PEDESTRIAN TRAFFIC ONLY - FOR HEAVY LOADS PROVIDE #4100S.
COW	CLEANOUT WALL	SIOUX CHIEF	873-XP	---	SEE PLAN	---	---	---	---	---	STAINLESS STEEL COVER AND POLYPROPYLENE PLUG.
COG	CLEANOUT GRADE	J.R. SMITH	4251S	---	SEE PLAN	---	---	---	---	---	EXTRA HEAVY DUTY CAST IRON TOP WITH BRONZE PLUG. AT THE CONTRACTORS OPTION PROVIDE SPEEDI-SET CLEANOUT #4262L.

WATER HAMMER ARRESTER SCHEDULE & DETAIL



MULTIPLE FIXTURES

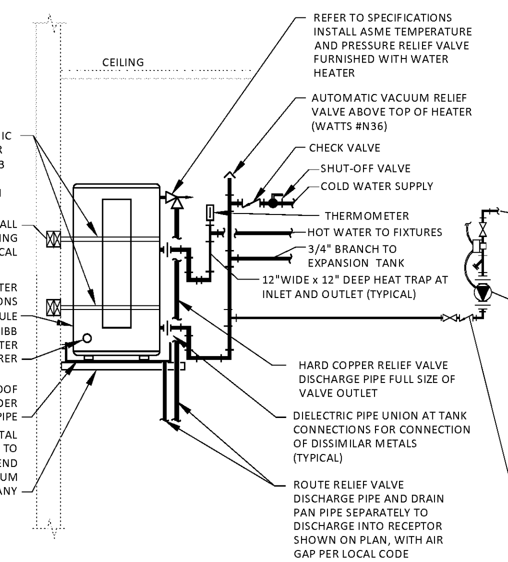


SINGLE/DOUBLE FIXTURE

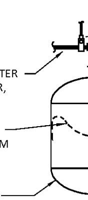
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	--
TANK WATER CLOSET	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	2

PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, WADE, JOSAM, PRECISION PLUMBING PRODUCTS OR J.R. SMITH WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS PER THE TABLES SHOWN ABOVE. PROVIDE ACCESSIBILITY TO "WHA" WHERE REQUIRED BY LOCAL CODE.



REFER TO SPECIFICATIONS, SCHEDULES AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND LOCATIONS PER MANUFACTURER'S REQUIREMENTS. REFER TO FLOOR PLANS FOR PIPE SIZES. PROVIDE SEISMIC STRAP OR BRACING. INSTALL WITH BOTTOM MINIMUM 6" ABOVE CEILING OF ADJACENT RESTROOMS. PLATFORM SHALL BE PLYWOOD ON UNISTRUT FRAME BRACKETED AND ANCHORED TO WALL, AND/OR SUSPENDED FROM STRUCTURE ABOVE WITH THREADED ROD. POWER WIRING AND DISCONNECT SWITCH ARE SPECIFIED BY ELECTRICAL.



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED. PROVIDE SEISMIC STRAP OR BRACING WHEN REQUIRED BY LOCAL AUTHORITIES.

6 ELECTRIC WATER HEATER OVERHEAD
SCALE: NONE

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PROJECT

Office DEPOT
STORE #0409
BOCA RATON, FL

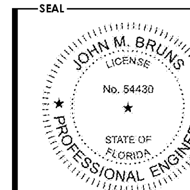
4901 N. FEDERAL HIGHWAY
BOCA RATON, FL 33431

ISSUE DATE: 11/09/2018
STORE NUMBER: #0409
LEASABLE AREA: 29,701 S.F.
GROSS FLOOR AREA: 28,752 S.F.
JOB NUMBER: 2018.0120.00

ISSUE

	ISSUED FOR BID	11/09/18

SEAL



JOHN M. BRUNS
#54430 | EXP. 02/28/2019

SHEET

PLUMBING SCHEDULES AND DETAILS

DRAWN: DJH
CHECKED: JMB

P301

FILE NAME: [2018.0120 P301 - Plumbing Schedules and Details.dwg] DATE: [11/9/18] TIME: [4:04 PM] USER: [Stephanie Raney]

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