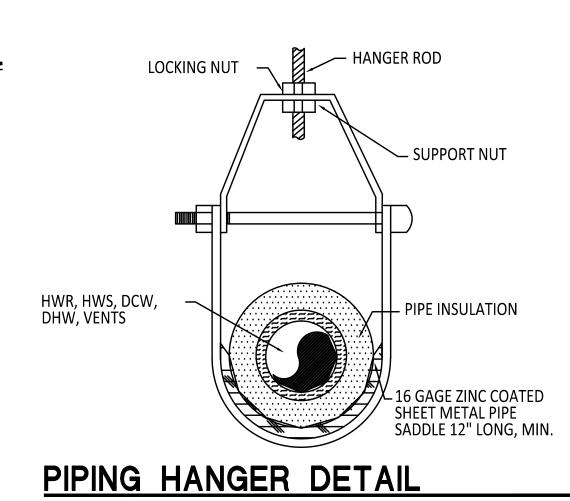
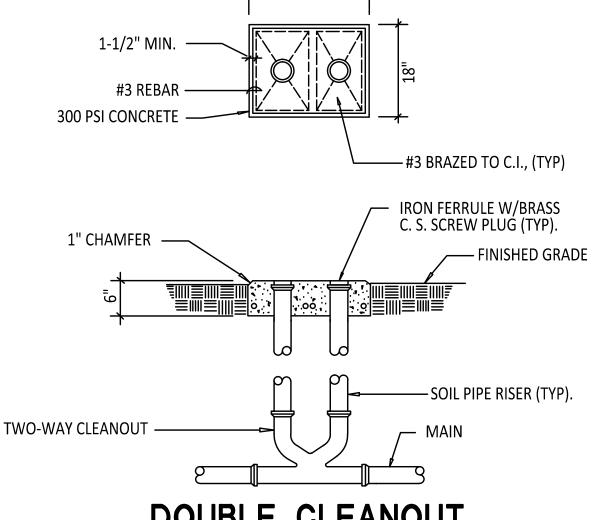
	PLUMBIN	G LEGE	END
	EQUIPMENT		PIPING
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<b>⊗</b>	CLEANOUT TO GRADE (CO)		EXISTING PIPING
00	DOUBLE CLEANOUT TO GRADE (DCO)	<i></i>	PIPING TO BE REMOVED
⊩	WALL CLEANOUT (WCO)	<u> </u>	SANITARY SEWER PIPING
<b>⊙</b>	VENT THROUGH ROOF (V.T.R.)		VENT PIPING
₩	FLOOR DRAIN (FD)		DOMESTIC COLD WATER PIPING
	FLOOR SINK (FS)		DOMESTIC HOT WATER PIPING
	TRENCH DRAIN (TD)		DOMESTIC RECIRCULATION PIPING
<b>(</b>	AREA DRAIN (AD)	— GAS — GAS —	GAS PIPING
<del>+ -</del> 5	HOSE BIBB (HB)	——LG——	LOW PRESSURE GAS PIPING
+->	YARD HYDRANT (YH)	MG	MEDIUM PRESSURE GAS PIPING
с⊟э	TRAP PRIMER (TP)	——LP——	LIQUID PETROLEUM GAS PIPING
	ACCESS PANEL (AP)	——SD——	STORM DRAIN PIPING
0	WATER HAMMER ARRESTOR (WHA)	——OD——	OVER FLOW DRAIN PIPING
	ROOF DRAIN (RD)	——RD——	ROOF DRAIN PIPING
	WALL BOX (WB)	c	CONDENSATE PIPING
$\odot$	EXPANSION TANK (ET)	——CA——	COMPRESSED AIR
<b>©</b>	SUMP PUMP (SP)	——AW——	ACID WASTE PIPING
	WATER HEATER (WH)		TEXT SYMBOLS
	BACKFLOW PREVENTER (BFP)	SYMBOL	DESCRIPTION
	RECIRCULATING PUMP (RP)		BESCHII TION
وٹڑے	GAS METER	#	MECHANICAL KEYED NOTES
	FITTINGS	<u> </u>	PIPE LEADER LINE FOR SIZES
SYMBOL	DESCRIPTION	-	POINT OF CONNECTION
1 1	UNION		
0	ELBOW UP	-	POINT OF DISCONNECTION
Э	ELBOW DOWN		
-0-	TEE UP	(###)	EQUIPMENT DESIGNATION
<del> </del>	TEE DOWN		
	BREAK CAP	#	REVISION DELTA
	VALVES	<del></del>	ARROW INDICATES DIRECTION OF FLOW
SYMBOL	DESCRIPTION	UP	RISE IN DIRECTION OF FLOW
M	GATE VALVE		
Ň	CHECK VAVLE	DN ►	DROP IN DIRECTION OF FLOW
	BALL VALVE		
ď Å	PRESSURE REDUCING VALVE	NOTE: THE C	VMDOLC LECEND IS A CENEDAL
内	OUTSIDE STEM AND YOKE		YMBOLS LEGEND IS A GENERAL TION OF DEVICES USED. SOME PROJECTS
▽	BALANCING, GAS COCK OR GAUGE COCK	MAY NOT UT	ILIZE ALL SYMBOLS REPRESENTED.
$\otimes$	STEAM TRAP	COORDINATE	E ALL SYMBOLS FROM PLANS.
<b>→</b>	VALVE IN RISER		
	AUTO FLOW CONTROL VALVE		

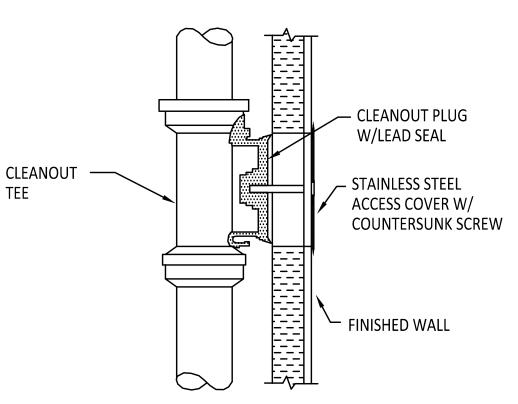
## **GENERAL PROJECT NOTES:**

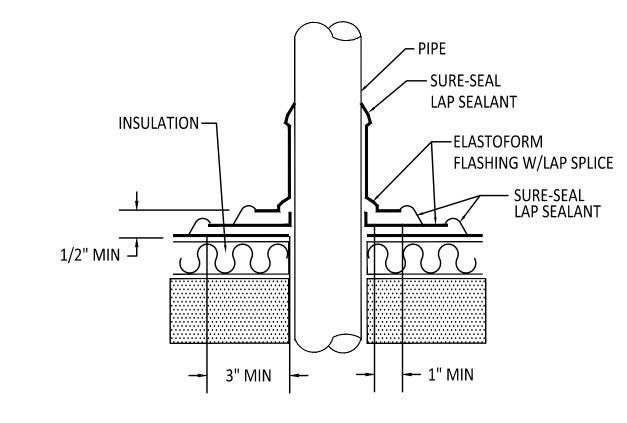
- A. COMPLETE ALL WORK IN FULL COMPLIANCE WITH THE U.P.C., U.M.C., I.B.C., LIFE SAFETY CODE, N.F.P.A., ADA, AND ALL LOCAL CODES AND ORDINANCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAYOUT AND INSTALLATION OF THE PLUMBING SYSTEMS INCLUDING ALL COORDINATION WITH NEW AND EXISTING SERVICES, MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, CONDUIT, CEILING, AND ANY OTHER EQUIPMENT THAT MAY REQUIRE COORDINATION EFFORTS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COORDINATION OF TEMPORARY CUT-OFF OF WATER, SEWER AND NATURAL GAS WITH OWNER AND FOR ALL NECESSARY TRENCHING, BACKFILLING, CUTTING, PATCHING, REPAIRING, ETC., ASSOCIATED WITH THE INSTALLATION OF THE PLUMBING SYSTEM SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE FIXTURES WITH THE LOCAL CODE REQUIREMENTS FOR HANDICAP ACCESSIBILITY.
- C. VERIFY INVERTS BEFORE ROUTING ANY AND ALL PIPING. NO COMPENSATION WILL BE MADE FOR CONTRACTOR'S FAILURE TO COORDINATE WORK WITH GENERAL CONTRACTOR AND OWNER, AND TO TOTALLY FAMILIARIZE HIMSELF WITH ALL CONSTRAINTS AND LIMITATIONS OF THE WORK REQUIRED.
- D. WASTE PIPING SHALL BE STANDARD PVC. VENT PIPING SHALL BE PVC.
- E. ALL WATER PIPING SHALL BE PEXA. PVC CANNOT BE USED FOR DOMESTIC HOT WATER PIPING.
- F. MINIMUM DEPTH OF BURY: WATER 48 IN. SEWER 24 IN.
- G. ROUTE PIPING AS NEARLY AS POSSIBLE TO THE ROUTING INDICATED ON THE PLANS, BUT MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE THE CONDITIONS AT THE SITE. DO NOT UNDERTAKE MAJOR REROUTING OF PIPING WITHOUT WRITTEN APPROVAL FROM OWNER OR ENGINEER. BE RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS, MINOR RELOCATIONS, AND ALL ASSOCIATED FITTINGS, PIPING, AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATIONAL SYSTEM.
- WHENEVER POSSIBLE, IT IS DESIRABLE TO LAY PARALLEL WATER AND SEWER LINES AT LEAST TEN FEET APART HORIZONTALLY, AND THE WATER LINE SHOULD BE AT A HIGHER ELEVATION THAN THE SEWER LINE. IF THIS IS NOT POSSIBLE, SEPARATE TRENCHES WILL BE REQUIRED IN ALL CASES (THIS SHALL BE EFFECTIVE EVEN THOUGH ONE LINE HAS BEEN INSTALLED PRIOR TO THE OTHER), AND THE WATER LINE SHALL BE AT LEAST TWO FEET ABOVE THE SEWER LINE. WHEN WATER AND SEWER LINES CROSS EACH OTHER, THE WATER SHALL BE AT LEAST THREE FEET ABOVE THE SEWER LINE; OTHERWISE, THE SEWER LINE SHALL BE OF CAST IRON PIPE, OR EQUIVALENT FOR NINE FEET EACH SIDE OF THE WATER LINE.
- INSTALL ISOLATION VALVES AND UNIONS AT ALL BRANCH TAKEOFFS. PROVIDE ACCESS PANELS TO ALL INACCESSIBLE PLUMBING EQUIPMENT TO INCLUDE BUT NOT LIMITED TO VALVES, CONTROL VALVES, ETC.
- ALL PIPING (DOMESTIC HOT WATER, DOMESTIC COLD WATER) IN THE BUILDING SHALL BE INSULATED ACCORDING TO THE NEW MODEL ENERGY CODE.
- PROVIDE WALL CLEANOUTS AT ALL SINKS, LAVATORIES, WATER COOLERS, AND WALL MOUNTED URINALS.
- PROVIDE 12 IN. LONG VERTICAL UPWARD CAPPED AIR RISERS AT EACH FIXTURE FOR BOTH HW & CW CONNECTIONS TO SERVE AS SHOCK ABSORBERS. PROVIDE WATER HAMMER ARRESTOR BEHIND ACCESS PANEL AT ALL GANG FIXTURE LOCATIONS.
- M. INSTALL CONDENSATE AND OVERFLOW PIPING FROM ALL MECHANICAL EQUIPMENT DRAIN POINTS. EXTEND AND TERMINATE PER UMC/UPC. ALL CONDENSATE AND OVERFLOW PIPING SHALL BE INSULATED PER SPECIFICATIONS FOR APPROPRIATE TEMPERATURE RANGE.
- N. INSULATE ALL COLD AND HOT WATER SUPPLY TUBING AND P-TRAPS AT EACH LAVATORY WITH "TRAP-WRAP" BY BROCAR PRODUCTS INC. INCLUDE ALL FITTINGS FOR A COMPLETE INSTALLATION.





## DOUBLE CLEANOUT TO GRADE DETAIL

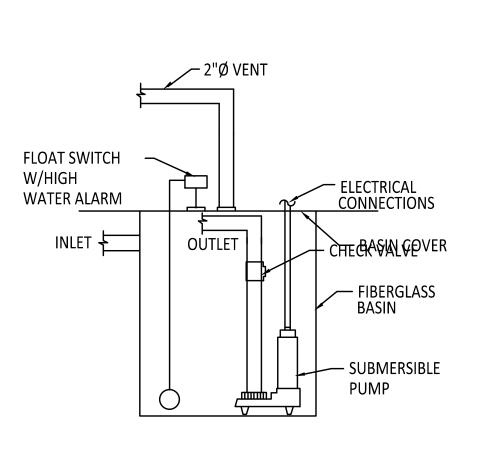




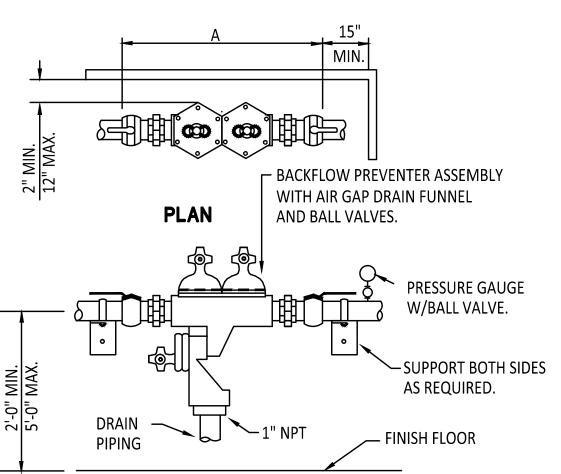
WALL CLEANOUT DETAIL CODTS003 N.T.S.



NOT TO SCALE PIPE009







DIMENSIONS AND WEIGHTS				
UNIT	А	UNIT WT.		
SIZE		J ****		
1"	19"	22 LBS.		

- **GENERAL NOTES:**
- ROUTE BACKFLOW PREVENTER DRAIN PIPING TO NEAREST FLOOR DRAIN.
  - DRAIN PIPING SIZE FOR ONE BFP SHALL BE A MINIMUM OF 1 1/2 TIMES THE BFP PORT SIZE. FOR 2 OR MORE BFP'S (ON THE SAME DRAIN PIPING) THE COLLECTING DRAIN PIPING AREA SHALL BE A MINIMUM OF THE SUM OF THE INDIVIDUAL BFP DRAIN PIPING AREAS.

**ELEVATION** BACKFLOW PREVENTER PIPING DETAIL

N.T.S.





LIVING DESIGNS GROUP ARCHITECTS

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**UILDING ADMINISTRATION** VTSV

PROJ. NO: 2018-600 ISSUE DATE: 10/18/18 ISSUED FOR: CONSTRUCTION REVISIONS: NO DATE DESCRIPTION

DEVELOPMENT

DRAFTED BY: APPROVED BY: SCALE: As indicated

PLUMBING GENERAL NOTES, LEGEND & DETAILS

**P001**