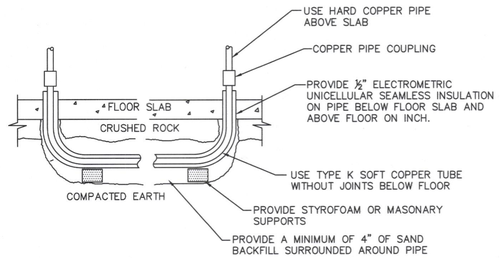
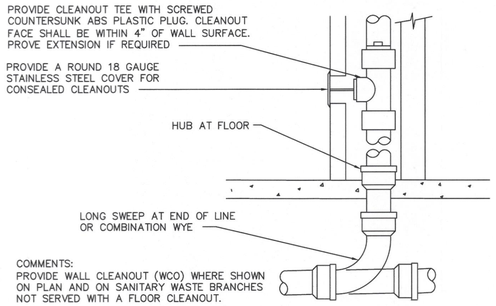


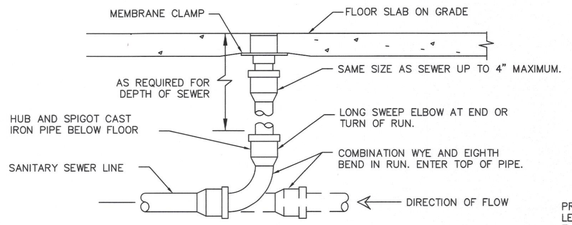

COMMENTS:
1. IF FLOOR SLAB IS EXISTING, SAW CUT FLOOR, EXCAVATE AS REQUIRED. INSTALL PIPING, REPAIR VAPOR BARRIER AND PATCH FLOOR AS REQUIRED.
2. PIPING TO HAVE LONG RADIUS TURNS WITH NO KINKS IN THE LINE.
3. THERE SHALL BE NO CONTACT OF COPPER PIPE WITH ANY OTHER PIPE, CONDUIT, OR REINFORCING STEEL.
4. SEPARATE HOT AND COLD WATER LINES BY 12" MINIMUM.

## 1 WATER PIPE UNDER SLAB
S NONE



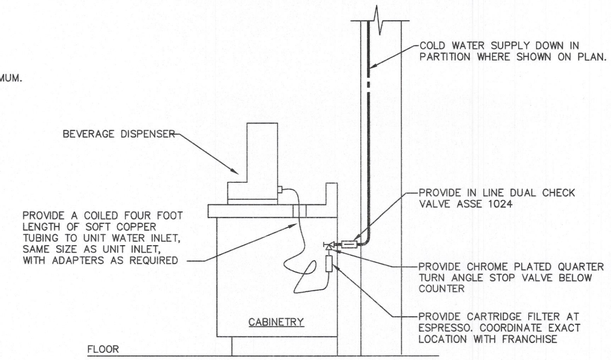

COMMENTS:
PROVIDE WALL CLEANOUT (WCO) WHERE SHOWN ON PLAN AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT.

## 2 WALL CLEANOUT
S NONE



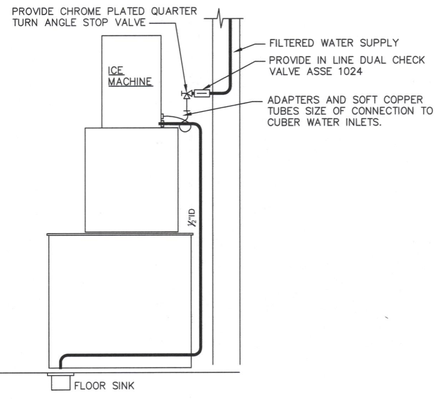

COMMENTS:
1. LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.
2. ROUND SECURED GASKETED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS). PROVIDE GASKETED PLASTIC PLUG IN CAST IRON BODY. USE TEFLON JOINT COMPOUND ON PLUG THREADS. CLEAN THE TOP OF EXPOSED FCO AFTER INSTALLATION.

## FLOOR CLEANOUT DETAIL
S NONE

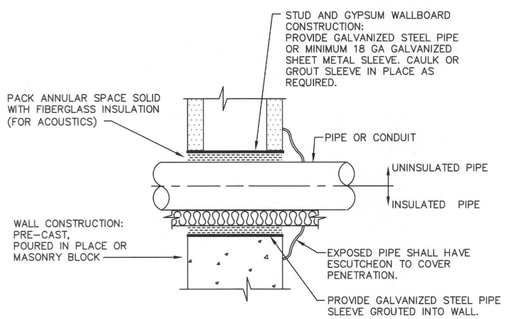



COMMENTS:
1. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT CONDITIONS. VERIFY CONNECTIONS WITH MANUFACTURER.

## 4 BEVERAGE WATER PIPING SCHEMATIC
S NONE

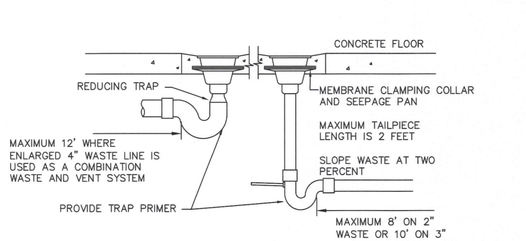



## 5 ICE MACHINE PIPING SCHEMATIC
S NONE



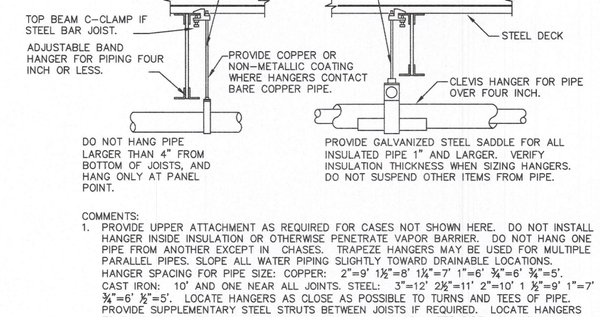

COMMENTS:
1. CENTER PIPE ALONG WITH THE INSULATION IN SLEEVE. CONTINUE THE INSULATION THRU THE SLEEVE.

## 6 PIPE PENETRATION NON-RATED WALL
S NONE



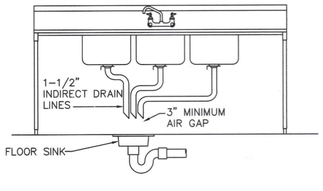

COMMENTS:
1. LOCATE FLOOR DRAIN/SINK WHERE SHOWN ON DIMENSIONED FLOOR PLAN. IF SITUATION IS FLOOR SLAB ON GRADE, SET DRAIN BODY IN PLACE, PROVIDE BACKFILL, AND POUR AROUND IT. RECESS TOP OF FLOOR DRAINS 1/2" BELOW FLOOR DATUM AND SLOPE FLOOR TO IT. DO NOT RECESS FLOOR SINKS.
2. OTHER VENTING METHODS MAY BE USED, IF APPROVED BY LOCAL CODE AND/OR LOCAL AUTHORITIES.

## 7 FLOOR DRAIN AND SINK DETAIL
S NONE



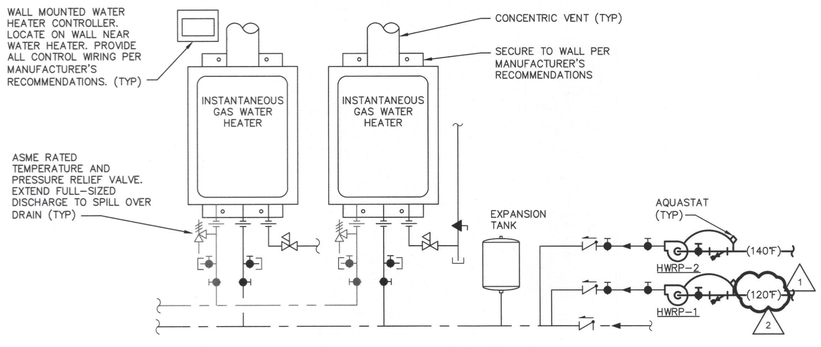

COMMENTS:
1. PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. SLOPE ALL WATER PIPING SLIGHTLY TOWARD DRAINABLE LOCATIONS. HANGER SPACING FOR PIPE SIZE: COPPER: 2"=9' 1½"=8' 1¼"=7' 1"=6' ¾"=6' ¾"=5'. CAST IRON: 10' AND ONE NEAR ALL JOINTS. STEEL: 3"=12' 2½"=11' 2"=10' 1 ½"=9' 1"=7' ¾"=6' ½"=5'. LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. DO NOT SUSPEND PIPE FROM JOIST BRACING MEMBERS. REFER TO CODES AND SPECIFICATIONS FOR FURTHER INFORMATION.

## 8 PIPE HANGER DETAIL
S NONE

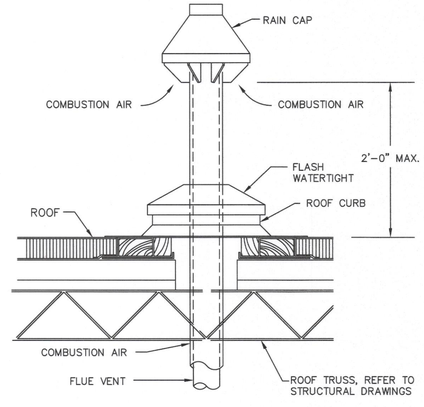



COMMENTS:
1. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. HUBLESS CAST IRON PIPE, FITTINGS AND CONNECTORS ALL AROUND SINK AND TRAP.
2. COORDINATE INDIVIDUAL BAY DRAINAGE , AIR GAP, & DRAIN FUNNEL WITH LOCAL CODE REQUIREMENTS.

## 9 COMPARTMENT SINK DETAIL
S NONE

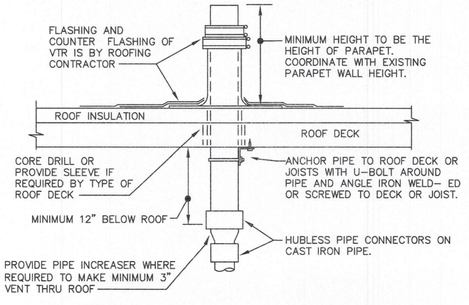



## 10 WATER HEATER DETAIL




COMMENTS:
1. TYPICAL ONLY FOR PIPES WITH TEMPERATURES LESS THAN 250°F.
2. ROOF PENETRATION SHALL BE WEATHERPROOF.
3. PITCH FLUE PIPING BACK TOWARDS UNIT.
4. ONE (1) FOR EACH WATER HEATER UNIT.

## 11 CONCENTRIC VENT DETAIL
S NONE




COMMENTS:
1. REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

## 12 VENT THRU ROOF VTR DETAIL
S NONE

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| 2 | OWNER COMMENTS | 07/07/17 |

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PLUMBING - DETAILS

DRAWING DATE:
01 APRIL 2017

| DRAWN BY: | REVIEWED BY: |
|---|---|
| MVM | MGH |

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