



PIPE SCHEDULE		
SYMBOL	ITEM	DESCRIPTION
	ABOVE FLOOR SANITARY DRAINS EXCEPT AS BELOW.	COPPER GRADE DWV IN SIZES 3" DIAMETER AND SMALLER. CAST IRON WITH MECHANICAL JOINTS IN LARGER SIZES. ALTERNATIVELY USE PIPING AND FITTINGS AND ASSOCIATED ADHESIVES TYPE IPEX SYSTEM XFR PVC-DWV.
	ABOVE FLOOR SANITARY DRAINS INSTALLED IN VERTICAL SHAFTS	COPPER GRADE DWV IN SIZES 3" DIAMETER AND SMALLER. CAST IRON WITH MECHANICAL JOINTS IN LARGER SIZES. NO PLASTIC PIPING ALLOWED.
	BURIED SANITARY DRAIN	PVC OR ABS AS ACCEPTABLE TO GOVERNING AUTHORITIES AND AS PER THE PLUMBING CODE. SUSPEND PIPE FROM STRUCTURAL SLABS IN UNSTABLE SOIL CONDITIONS USING E-MAT 316 STAINLESS STEEL CLEVIS HANGERS WITH 3/16 STAINLESS STEEL 5/8" DIAMETER RODS AT 3'-0" CENTRES MINIMUM.
	DOMESTIC COLD WATER	TYPE L COPPER WITH SOLDERED FITTINGS.
	DOMESTIC HOT WATER	TYPE L COPPER WITH SOLDERED FITTINGS.
	HOT WATER RECIRCULATION	TYPE L COPPER WITH SOLDERED FITTINGS.
	NATURAL GAS LINE	ALL GAS PIPE FITTINGS SHALL BE: WARD MANUFACTURED CAST GEORGE STEVENS OR BRYAN GABIN AT TELEPHONE: 877-571-8310 OR 905-664-6475. SCHEDULE 40 STEEL, SCHEDULE 2" DIAMETER AND SMALLER, WELDED IN LARGER SIZES. INSTALLATION AND IDENTIFICATION AS PER GAS CODE. USE MFR-C-PORT PIPE SUPPORTS MODEL CG WITH GALVANIZED CHANNEL AND CLAMP IF THE GAS LINE IS LOCATED ON THE ROOF. IF HIGH PRESSURE INSTALL A SEPARATE RY-PRY ON THE ROOF NEXT TO THE ROOFPIST UNIT. FOR INDOOR UNITS RY-PRY MAY SERVE MORE THAN ONE UNIT. IF THE INDOOR RELIEF TO THE OUTSIDE AND CLAMP SAME SECURELY PRIOR TO THE ROOF PENETRATION. PIPING IN ENCLOSED SHAFTS TO BE WELDED REGARDLESS OF SIZE. X-RAY ALL WELDS IN ENCLOSED SHAFTS BY AN INDEPENDENT COMPANY AND SUBMIT REPORT.
	SANITARY VENT EXCEPT AS BELOW.	PIPING AND FITTINGS AND ASSOCIATED ADHESIVES TYPE IPEX SYSTEM XFR.
	SANITARY VENT INSTALLED IN VERTICAL SHAFT	COPPER GRADE DWV IN SIZES 3" DIAMETER AND SMALLER. CAST IRON WITH MECHANICAL JOINTS IN LARGER SIZES. NO PLASTIC PIPING ALLOWED.
	CONDENSATE AND RELIEF PIPING	COPPER TYPE L WITH SOLDERED FITTINGS. ALTERNATIVELY USE PIPING AND FITTINGS AND ASSOCIATED ADHESIVES TYPE IPEX SYSTEM XFR PVC-DWV EXCEPTION BOILER CONDENSATE DISCHARGE PIPING SHALL BE OF CPVC MATERIAL.
	CONDENSATE AND RELIEF PIPING INSTALLED IN VERTICAL SHAFT	COPPER TYPE L WITH SOLDERED FITTINGS. NO PLASTIC PIPING ALLOWED.
	COMBUSTIBLE PIPING PENETRATIONS	ALL COMBUSTIBLE PIPING PENETRATING THROUGH VERTICAL OR HORIZONTAL FIRE SEPARATIONS SHALL COMPLY WITH CBC 3.19.4.(1) THROUGH (8) AND PROVIDE A FIRE STOP SYSTEM TESTED AND LISTED TO CANULC-S115-M WITH A PRESSURE DIFFERENTIAL OF 50 PA.

NOTES

1. OFFSHORE PRODUCTS ARE NOT ACCEPTABLE UNLESS PERMISSION IS PROVIDED BY INVIRO FOR EACH ITEM IN WRITING. THIS INCLUDES: PIPES, FITTINGS, SHEET METAL, FASTENERS, ETC.
2. ALL PIPING MATERIALS AND INSTALLATION IS TO BE AS PER AUTHORITIES HAVING JURISDICTION AND APPLICABLE CODE.
3. PIPING IS TO BE SUPPORTED USING CLEVIS HANGERS AND CLAMPS WITH SPACING AS RECOMMENDED BY THE MANUFACTURER OR AS DICTATED BY THE CODE WHICH EVER IS THE MOST STRINGENT. SUSPEND PIPING FROM STRUCTURAL STEEL OR CONCRETE, NOT FROM STEEL ROOF DECK.
4. DOMESTIC HOT, COLD AND RE-CIRCULATION PIPING IS TO BE AS PER CAN/CSA-B64-10.
5. REFER TO THE INSULATION SCHEDULE FOR PIPE COVERING.
6. ALL PIPING IS TO BE STRAIGHT PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCTURE. SLOPE ALL PIPING TO DRAIN POINTS.
7. ALLOW FOR ADEQUATE EXPANSION/CONTRACTION ON ALL PIPING. CONSULT PIPE SYSTEM MANUFACTURER FOR SPECIFIC DETAILS REGARDING APPROVED COMPENSATION METHODS.
8. PROVIDE EXPANSION LOOPS AND ANCHORS ON GAS PIPING ON ROOF EVERY 100FT AS PER CGA/CSA B149.
9. COMBUSTIBLE PIPING AND TUBING PRODUCTS ARE NOT PERMITTED IN A VERTICAL SHAFT AS PER OBC 3.19.4.(4) & (6).
10. ENSURE INSTALLATION IS CONDUCTED AS PER MANUFACTURER'S DOCUMENTATION AND INSTALLATION MANUALS. ENSURE MANUFACTURER CAN PROVIDE FULL DOCUMENTATION CONFIRMING COMPLIANCE TO REQUIRED STANDARDS. TRADE CONTRACTOR TO CONTACT MANUFACTURER PRIOR TO INSTALLATION TO OBTAIN PRECISE INSTALLATION INSTRUCTIONS AND REQUIREMENTS.

