SANITARY WASTE AND VENT PIPING - PLASTIC

1. PIPING AND FITTINGS

- .1 FOR BURIED AND ABOIVE GROUND DWV PIPING TO:
- .1 CAN/CSA B1800.

2 JOINTS

.1 SOLVENT WELD FOR PVC: TO ASTM D2564.

3. APPLICATION

.1 MANUFACTURER'S INSTRUCTIONS: COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS, INCLUDING PRODUCT TECHNICAL BULLETINS, HANDLING, STORAGE AND INSTALLATION INSTRUCTION AND DATASHEETS.

4. INSTALLATION

.1 INSTALL IN ACCORDANCE WITH MANITOBA PLUMBING CODE.

- .1 PRESSURE TEST BURIED SYSTEMS BEFORE BACKFILLING.
- .2 HYDRAULICALLY TEST TO VERIFY GRADES AND FREEDON FROM OBSTRUCTIONS.

6. PERFORMANCE VERIFICATION

- .1 CLEANOUTS
 - .1 ENSURE ACCESSIBLE AND THAT ACCESS DOORSARE CORRECTLY LOCATED.
 - 2 OPEN, COVER WITH LINSEED OIL AND RE-SEAL.
- .3 VERIFY THAT CLEAN-OUT RODS CAN PROBE AS FAR AS THE NEXT CLEANOUT, AS A MINIMUM DISTANCE.
- .2 TEST TO ENSURE TRAPS ARE FULLY AND PERMANENTLY PRIMED.
- .3 STORM WATER DRAINAGE:
 - .1 VERIFY DOMES ARE SECURE.

 - .2 ENSURE WEIRS ARE CORRECTLY SIZED AND INSTALLED.
- .3 VERIFY PROVISIONS FOR MOVEMENT OF ROOT SYSTEM
- .4 ENSURE FIXTURES ARE PROPERLY ANCHORED, CONNECTED TO SYSTEM AND EFFECTIVELY
- .5 AFFIX APPLICABLE LABEL (STORM, SANITARY, VENT, PUMP DISCHARGE) C/W DIRECTIONAL ARROWS EVERY FLOOR OR 4.5 METERS (WHICHEVER IS LESS).

COMMERCIAL WASHROOM FIXTURES

1. MANUFACTURED UNITS

- .1 FIXTURES: MANUFACTURE IN ACCORDANCE WITH CAN/CSA-B45 SERIES.
- .2 TRIM, FITTINGS: MANUFACTURE IN ACCRODANCE WITH CAN/CSA-B125.3.
- .3 EXPOSED PLUMBING BRASS TO BE CHROME-PLATED.
- 4 NUMBER LOCATIONS: AS INDICATED
- .5 FIXTURES IN ANY ONE LOCATION TO BE PRODUCT OF ONE MANUFACTURER AND OF SAME TYPE.
- .6 TRIM IN ANY ONE LOCATION TO BE PRODUCT OF ONE MANUFACTURER AND OF SAME TYPE.

.1 MANUFACTURER'S INSTRUCTIONS: COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS, INCLUDING PRODUCT TECHNICAL BULLETINS, HANDLING, STORAGE AND INSTALLATION INSTRUCTION AND DATASHEETS.

3. INSTALLATION

- .1 MOUNTING HEIGHTS:
 - .1 STANDARD: TO MANUFACTURER'S RECOMMENDATIONS.
- .2 WALL-HUNG FIXTURES: AS INDICATED.
- .3 BARRIER FREE: TO MOST STRINGENT STANDARD (MANITOBA BUILDING CODE, CAN/CSA B651).

4. ADJUSTING

.1 ADJUSTMENTS:

- .1 ADJUST WATER FLOW RATE TO DESIGN FLOW RATES.
- .2 ADJUST PRESSURE TO FIXTURES TO ENSURE NO SPLASHING AT MAXIMUM PRESSURES.
- .3 ADJUST FLUSH VALVES TO SUIT ACTUAL SITE CONDITIONS.

2 CHECKS:

- .1 WATER CLOSETS: FLUSHING ACTION.
- .2 AERATORS: OPERATION, CLEANLINESS,
- .3 VACUUM BREAKERS, BACKFLOW PREVENTERS: OPERATION UNDER ALL CONDITIONS.
- - .1 VERIFY TEMPERATURE SETTINGS, OPERATION OF CONTROL, LIMIT AND SAFETY CONTROLS.

HEATING, VENTILATION & AIR CONDITIONING

- 1. PROVIDE SUPPLY AIR, RETURN AIR, AND EXHAUST AIR DUCT SYSTEMS AS SHOWN.
- 2. ALL DUCTWORK INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH SMACNA LATEST EDITION DUCT STANDARDS.
- 3. THIS SUB CONTRACTOR SHALL SUPPLY AND INSTALL ALL DUCTWORK INCLUDING APPURTENANCES, HANGERS, DAMPERS, ETC.
- 3.1 RECTANGULAR DUCTWORK SHALL BE CONSTRUCTED FROM GALVANIZED SHEET METAL OF THE FOLLOWING U.S. STANDARD GAUGES:

DUCTS UP TO 12" [305mm] ON LONGEST DIMENSION	26 G
DUCTS 13" [330mm] TO 28" [705mm] ON LONGEST DIMENSION	24 G
DLICTS 29" [730mm] TO 48" [1220mm] ON LONGEST DIMENSION	22 G

TESTING AND BALANCING OF MECHANICAL SYSTEMS

- 1. INDEPENDENT RECOGNIZED AIR BALANCE CONTRACTOR SHALL BE AABC CERTIFIED.
- 2. TEST AND BALANCE BUILDING EXHAUST TO WITHIN 5% OF DESIGN.

204 466 3957 tal. 204 466 0216 tax. Watchidgmannoishorograde

bridgmencollaborative Project:

Fraser's Grove Park

Project Drawing Title: **MECHANICAL** Number: **SPECIFICATION** 1630

Issue/Revision Date | Sheet No:

CONSTRUCTION

RE-ISSUED FOR 17 08 03

This drawing is property of the Architect and cannot be reproduced or used without the consent of the Architect. The contractor is responsible for checking and verifying all levels and dimensions and shall report all discrepancies to the Architect and obtain clarification prior to commencing work.