

APPROXIMATE LOCATION OF INCOMING WATER SERVICE,

WATER METER, BACK FLOW PREVENTER, AND ISOLATION VALVES

REQUIREMENTS. REFER TO INCOMING WATER SERVICE DETAIL.

RELIEF TO HUB DRAIN. PROVIDE ISOLATION VALVES ON INLET

CONNECT DRAIN TO DOUBLE SLOPED DUCT DOWNSTREAM OF

EXTENSION BY GSKY. ISOLATION VALVE, BACKFLOW PREVENTER

AND DRAIN TRAP BY GSKY. COORDINATE ALL REQUIREMENTS

NEW ELECTRIC WATER HEATER C/W EXPANSION TANK AND

EXTEND T&P RELIEF TO DRAIN PAN. EXTEND DRAIN FROM DRAIN

PAN TO MOP SINK. PROVIDE ISOLATION VALVES ON INLET AND

DRAIN PAN, SUSPENDED AT HIGH LEVEL ABOVE MOP SINK.

HUMIDIFIER DISPERSION TUBE. OFFSET DRAIN AT HIGH LEVEL

ROUGH IN CAPPED 19mm COPPER OR PEX WATER LINE AND

7 ROUGH IN CAPPED 19mm COPPER OR PEX WATER LINE AND 25mm COPPER OR PEX DRAIN PIPE WITHIN WALL FOR FUTURE

AND LOCATIONS WITH GSKY PRIOR TO ROUGH-IN.

EXTENDED UP THROUGH CRAWLSPACE, COMPLETE WITH

TO CITY OF WINNIPEG STANDARD DETAIL SD-027

AND OUTLET FROM WATER HEATER.

OUTLET FROM WATER HEATER.

BACK TO HUB DRAIN.

REFER TO CRAWLSPACE PLAN FOR CONTINUATION.

NEW ELECTRIC WATER HEATER C/W EXPANSION TANK INSTALLED ON GRADE BENEATH EXHAUST DUCT. EXTEND T&P WITHIN WALL TO FIXTURE CONNECTION C/W ISOLATION VALVE FOR EACH FIXTURE CONNECTION. REFER TO CRAWL SPACE DRAWING FOR CONTINUATION.

CONNECT 19mm DOMESTIC COLD WATER TO HUMIDIFIER WATER INLET AND DRAIN TEMPERING VALVE. EXTEND 50mm DRAIN FROM HUMIDIFIER DRAIN OUTLET TO ADJACENT HUB COMPLETE AND FUNCTIONAL CODE-COMPLIANT MECHANICAL INSTALLATION.

ANY OMISSIONS OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACT ADMINISTRATOR IN ACCORDANCE WITH B3 ENQUIRIES.

4. INSPECT JOB SITE PRIOR TO COMMENCEMENT OF WORK AND MAKE APPROPRIATE PROVISIONS FOR ALL SITE CONDITIONS. EXACT SIZING/ROUTING OF MECHANICAL SYSTEMS SHALL BE SITE CONFIRMED AND COORDINATED WITH AVAILABLE ARCHITECTURAL, ELECTRICAL, CIVIL AND STRUCTURAL DRAWINGS AND TRADES. REROUTE/RESIZE PIPING AND RELOCATE EQUIPMENT AND COMPONENTS AS REQUIRED.

5. CAREFULLY EXAMINE THE DRAWINGS OF OTHER TRADES. COORDINATE THE ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH THE ELECTRICAL SUBCONTRACTOR. AN APPROVED FIRE STOP SYSTEM SHALL BE APPLIED AT ALL PENETRATIONS OF WALLS OR FLOORS DENOTED TO BE FIRE SEPARATIONS ON THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF FIXTURES. COORDINATE THE EXACT SIZES, LOCATIONS AND INVERTS OF ALL SEWERS WITH CIVIL DRAWINGS AND ON SITE.

6. INSTALL EQUIPMENT AND RELATED ACCESSORIES OR COMPONENTS AS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

7. ACCESS DOORS SHALL BE PROVIDED AS REQUIRED TO SERVICE VALVES AND MECHANICAL EQUIPMENT.

AUTHORITY HAVING JURISDICTION. SYSTEM SHALL BE INSTALLED SUCH THAT ABOVE-GRADE VENTS ARE LOCATED IN INCONSPICUOUS LOCATIONS WHERE POSSIBLE.

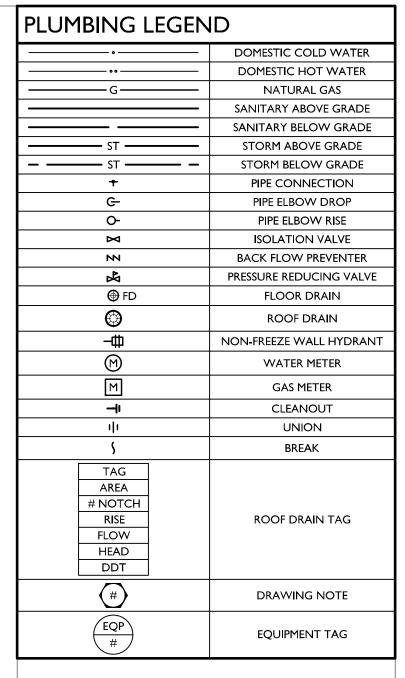
II. DWV PIPING AND ELECTRICAL/CONTROL WIRING INSTALLED WITHIN H.V.A.C. PLENUMS SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84

12. PROVIDE DIELECTRIC COUPLINGS WHERE COMPONENTS OF DISSIMILAR METAL ARE JOINED.

13. ENSURE THAT ALL TRAPS SERVING FLOOR DRAINS ARE PRIMED OR FITTED WITH WADE TRAPS GUARDS.

14. GAS PIPING SHALL BE BLACK STEEL TO ASTM A-53 SCHEDULE 40, 150 LB. STANDARD BLACK MALLEABLE IRON SCREW FITTING FOR SIZES BELOW 21/2". ALL MATERIALS AND INSTALLATION SHALL CONFIRM TO ALL REQUIREMENTS OF THE LATEST EDITION OF CSA B149.1 NATURAL GAS AND PROPANE INSTALLATION CODE AND ALL LOCAL GAS NOTICES.

15. COORDINATE THE LOCATIONS OF ALL FLOOR DRAINS AND HUB DRAINS WITH ARCHITECTURAL DRAWINGS.



ISSUED FOR CONSTRUCTION No. DATE **REVISION / ISSUANCE**



ENGINEERS GEOSCIENTISTS MANITOBA Certificate of Authorization **CGM Engineering Ltd.** No. 6241



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MECHANICAL MAIN FLOOR PLUMBING

M-101

M-101 SCALE: N.T.S.

DCW SUPPLY -

HWT DRAIN PIPED -

TO DRAIN PAN

T&P RELIEF PIPED ~

TO DRAIN PAN

JOINTS C/W 19MM DRAIN TO ADJACENT

24 GA. DRAIN PAN WITH SOLDERED -

MOP SINK OR FLOOR DRAIN

DOMESTIC WATER HEATER PIPING DIAGRAM

► FIRMLY AFFIXED

TO STRUCTURE

TRAPPED FD -

CORRUGATED

CRAWLSPACE FLOOR

STEEL PIPE

FROST BOX DIAMETER STEEL PIPE (BOX) GUAG

14

FROST BOX

19.05 316 S/S ~

CONCRETE ~

INCOMING WATER SERVICE -

(BELOW FROST LEVEL)

CORRUGATED STEEL PIPE SCHEDULE

300

600

INCOMING WATER SERVICE (50)

ANCHOR RODS

THRUST BLOCK

WATER PIPE SIZE

19 - 50

100 - 150

M-101 SCALE: N.T.S.

200