50¢ mm SUMP PUMP DISCHARGE C/W 25mm PLUMBING GENERAL NOTES: -INSULATION 1. MECHANICAL CONTRACTOR SHALL PROVIDE AN APPROVED FIRE STOPPING SYSTEM FOR ALL –50¢ mm VENT PIPING THRU FIRE RATED AREAS. 2. MECHANICAL CONTRACTOR SHALL PROVIDE 2 ABC FIRE EXTINGUISHERS. – 40ø mm 3. CONDENSATE DRAIN LINE FROM AIR CONDITIONED UNIT SHALL BE CONNECTED TO NEAREST SANITARY LINE. - 75ø mm VENT 4. PROVIDE AN OVER FLOW LINE FROM POTABLE WATER TANK. 5. MECHANICAL CONTRACTOR SHALL PROVIDE A MECHANICAL JOINT BETWEEN TANK AND FIXTURE PIPING ∕− 75ø mm TO ALLOW FOR EASE OF INSTALLATION. MECHANICAL JOINT SHALL BE ABLE TO ALLOW MOVEMENT IN ALL POTABLE WATER DIRECTIONS IN CASE OF GROUND EXPANSION AND BE ABLE TO WITHSTAND SEVERE TEMPERATURE 20ø mm HOT WATER 40mmø VENT TANK RELIEF LINE TO BE OPEN CONNECT TO 40¢ mm — ENDED IN MECH.RM 6. MECHANICAL CONTRACTOR SHALL PROVIDE A FLOAT SWITCH FOR POTABLE WATER AND SEWAGE TANK SANITARY LINE FROM SINK C/W L.E.D. LIGHT. POTABLE WATER (L.E.D.) SHALL BE LOCATED IN THE OUTSIDE OF BUILDING BY POTABLE WATER FILL LINE VISIBLE TO OPERATOR. SEWAGE TANK (L.E.D.) LIGHT SHALL BE LOCATED IN WASHROOM -POTABLE WATER OVER C/W BUZZER. ALL FLOAT SWITCHES C/W INDIVIDUAL CONTROL PANELS. WIRE AND CONNECT BY DIV. 16. FLOW FOR VENT HWT 7. MECHANICAL CONTRACTOR SHALL WEATHER PROOF ALL SUMP PUMP, REFRIGERATION AND WATER FILL OVER FLOW LINES TERMINATING TO THE OUTDOORS. 20ø mm CONDENSATE LINE CONNECT TO 38¢ mm - 10Kg ABC FIRE - SANITARY LINE FROM SINK EXTINGUISHER PLUMBING EQUIPMENT SPECIFICATIONS: POTABLE WATER LOW LEVEL FLOAT SWITCH GRUNDFOS (POTABLE WATER PUMP) MODEL: CHIE-PLUS (CHIE 2-40)
1 HP C/W PRESSURE TANK AND CONTROLS CONTROL PANEL 10Kg ABC FIRE-20 FT HEAD @ 8 USGPM 75ø mm VENT FROM -40ø mm EXTINGUISHER ✓SEWAGE TANK 30¢ mm CONDENSATE LINE GRUNDFOS (SUMP PUMP) MODEL: KP150 −30ø mm DOWN TO CRAWLSPACE FOR COOLING COIL DRAINAGE 1/4 HP C/W HIGH AND LOW WATER ALARM 13 FT HEAD @ 20 USGPM -50ø mm POTABLE SEWAGE TANK WATER TANK OVER 75¢ mm DOWN TO HIGH LEVÉL BRADFORD WHITE, HOT WATER TANK - SEWAGE TANK FLOW LINE FLOAT SWITCH MODEL: LD-WH6U3 CONTROL PANEL - POTABLE WATER FILL 1.5kW 23L (6USG) TANK WALL HUNG MODEL (L.E.D) FULL TANK WARNING LIGHT <u>TNK-1</u> EQUINOX_POTABLE WATER HOLDING TANK -50¢ POTABLE WATER MODEL: E-125W ∕-50ø mm 75cm Ø X 163cm (29 1/2"Ø x 64"H) FILL LINE C/W SCREW ∕-50ø mm 568L (125 IMP. GAL.) CAP AND CHAIN SLOPE @ 1% C/W FLOAT SWITCH, CONTROL PANEL & L.E.D. ATTACHED TO CAP (CAMLOCK CONNECTION) SLOPE @ 1% <u>TNK-2</u> EQUINOX SEWAGE HOLDING TANK 75ø mm*-*MODEL: E650 LP-S 3048mm X 1524mm X 787mm (120x60x31H) C/W FLOAT SWITCH, CONTROL PANEL, L.E.D. AND BUZZER WARNING M1.02 POTABLE WATER TANK-EQUINOX SUMP PIT MODEL: E SP-1848 (568L Cap.) OCTAGONAL SUMP PIT 4500 mm BY 1200mm HIGH POTABLE WATER FILL -MECHANICAL PLUMBING PLAN FLOAT SWITCH **HVAC GENERAL NOTES:** 1. PROVIDE A 1kW BASEBOARD HEATER FOR MECHANICAL ROOM. SEWAGE TANK PUMP-/ C/W THERMOSTAT. OUT C/W CAMLOCK CONNECTION 2. FIRE DAMPERS REQUIRED C/W HINGED AND LATCHED ACCESS DOORS. 3. EXHAUST DUCTWORK TO EXTERIOR, C/W ALUMINIZED WALL CAP AND C/W BACK DRAFT DAMPER. THERMALLY 300x300 250×250 150x150 300x150 FIRE DAMPER INSULATE EXHAUST DUCTWORK FROM EXTERIOR WALL TO THE INSIDE FOR 5'-0" FROM WALL. 189 47 ACCESS DOOR 4. MECHANICAL CONTRACTOR TO PROVIDE A VENMAR HRV450w C/W AIR TO AIR ALUMINUM FLAT PLATE HEAT OPEN ENDED EXCHANGER; 7.5kW OPEN COIL RESISTIVE ELEMENT (208V OR 230V), WASHABLE FILTERS 30 PORES PER INCH FOR SUPPLY AND EXHAUST: DEFROST MODE: VENMAR PROGRAMABLE THERMOSTAT OFFERING 2 STAGE HEATING; VENMAR BOTTOM COLLECTOR BASE; 457mm x 508mm x 102mm DRAINABLE SUPPLY LOUVER; 356mm x 356mm x 51mm EXHAUST LOUVER, 14 GAUGE EXTRUDED ALUMINUM WITH 13mm x13mm GALVANIZED BIRDSCREEN ALUMINUM MILL FINISHED AND 45 DEFLECTION BLADES. 300x200 5. MOTORIZED DAMPERS IN CRAWLSPACE TO BE 24 VOLT. Α 200x200 47 -200x150 ∕—32ø mm **HVAC EQUIPMENT SPECIFICATIONS:** - 200x200 EXHAUST AIR VENMAR, HEAT RECOVERY VENTILATOR c/w T7300D T'STAT @ HIGH LEVEL MODEL: HRV 450w - 230/10/60Hz SUPPLY: @ 236L/s (500CFM) @ REDUCE LOW SPEED OUTSIDE AIR REQUIRED @ 47L/s (100 CFM) 250x250 250x200 200x200 OUSIDE AIR O LOW LEVEL COOLING COIL: CARRIER MODEL: CAPVU1814ACA 1.5 TON DX COIL. HEATING COIL: 7.5Kw ELECTRIC COIL SUPPLIED WITH VENMAR HRV-1 /S/A <u>CU-1</u> COOLING @ 18000 B.T.U./H 150x150 — MODEL: 24ACA318A003 R410 REFRIGERANT 208/230/10/60 MOTOR: 1/10HP 1100RPM 13.8A -10ø mm GREENHECK, EXHAUST FAN CRAWLSPACE EXHAUST MODEL: S1-8-426 1/80 HP 1550 RPM 39W (140CFM) 300x150 FIRE DAMPER -GREENHECK, EXHAUST FAN ACCESS DOOR WASHROOM EXHAUST MODEL: CSP-B110 WALL CAP C/W BDD -80W 950 RPM, 1.14A MECHANICAL HVAC PLAN 46L/s (98CFM) CHROMALOX BASE BOARD HEATER 1KW 240V/1ø MODEL: BL4810W3 ENGINEER'S SEAL THE CITY OF WINNIPEG ELEV. EarthTech Frederickson Cooper WATER AND WASTE DEPARTMENT ARCHITECTS ORIGINAL A Tyco International Ltd. Company Winnipeg SOLID WASTE SERVICES DIVISION SIGNED BY **APEGN** P. LAITINEN DESIGNED CHECKED CITY FILE NUMBER BRADY RD. LANDFILL PVL **Certificate of Authorization** NEW ENTRANCE AND 2007/07/20 DRAWN APPROVED SHEET OF Earth Tech Canada Inc. DJP SCALE FACILITY No. 730 RELEASED FOR AS NOTED CITY DRAWING NUMBER SCALE: **MECHANICAL** CONSTRUCTION BY: CONSULTANT DRAWING NO. MAIN FLOOR V. JEANCART 0 ISSUED FOR TENDER 07/07/20 DJP SWD-D-386 M1.01 PLUMBING & HVAC PLAN NO. REVISIONS DATE | BY | DATE 2006/08/25 DATE 2007/07/20