

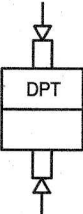


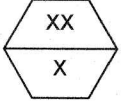


- | | |
|---|-----------------------------------|
| LEGEND | |
|  | MOTOR |
|  | TEMPERATURE TRANSMITTER |
|  | DIFFERENTIAL PRESSURE TRANSMITTER |
|  | FLOOR/WALL PENETRATION |
|  | TRANSITION |
|  | EQUIPMENT TAG NUMBER |
| E/S | ELECTRICAL SUPPLY |
| S/A | SUPPLY AIR |
| R/A | RETURN AIR |
| RC/A | RECIRCULATION AIR |
| O/A | OUTDOOR AIR |
| E/A | EXHAUST AIR |
| SF | SUPPLY FAN |
| SL | SUPPLY LOUVER |
| SD | SUPPLY DAMPER |
| ED | EXHAUST DAMPER |
| EF | EXHAUST FAN |
| RD | RETURN DAMPER |
| PD | PRESSURE RELIEF DAMPER |
| EH | ELECTRIC DUCT HEATER |
| (E) | EXISTING |
| (N) | NEW |

STATION VENTILATION (SF-1, EF-1)

- | | | |
|----------------|--|---|
| 1. OCCUPIED: | WINTER
6 ACH CONT.
15°C MIN | SUMMER
6 ACH CONT.
15°C MIN. |
| 2. UNOCCUPIED: | 1.5 ACH CONT.
75% RECIRC.
7°C MIN. | 1.5 ACH CONT.
75% RECIRC.
NO HEAT |

MAIN FLOOR COOLING VENTILATION

1. ENERGIZE ALL CONTROLS WHEN SUPPLY AND EXHAUST FANS START. INTERLOCK EXHAUST FAN WITH MOTORIZED AIR INTAKE DAMPER.
2. SF-2 AND ED-1 ARE INTERCONNECTED TO CYCLE ON WHEN STATION SET POINT REACHES 35°C.
3. IF SUPPLY INTAKE AIR SENSOR DETECTS LOW LIMIT TEMPERATURE (LESS THAN 5°C), STOP MOTOR OF FRESH AIR INTAKE DAMPER FOR SHUT-OFF.
4. A HIGH TEMPERATURE ALARM SHALL BE INITIATED ON THE SPACE TEMPERATURE RISE ABOVE 45°C.



Certificate of Authorization
Tetra Tech Canada Inc.
No. 6499

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LOCATION APPROVED
UNDERGROUND STRUCTURES

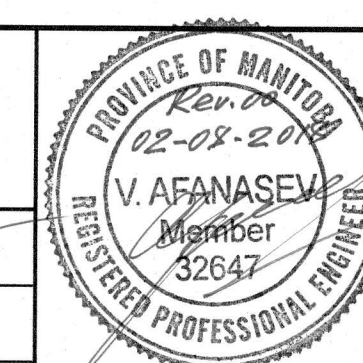
SUPR. U/G STRUCTURES _____ DATE _____

NOTE:
LOCATION OF UNDERGROUND STRUCTURES
AS SHOWN ARE BASED ON THE BEST
INFORMATION AVAILABLE BUT NO GUARANTEE
IS GIVEN THAT ALL EXISTING UTILITIES ARE
SHOWN OR THAT THE GIVEN LOCATIONS ARE
EXACT. CONFIRMATION OF EXISTENCE AND
EXACT LOCATION OF ALL SERVICES MUST BE
OBTAINED FROM THE INDIVIDUAL UTILITIES
BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.		F.B.	
00	ISSUED FOR TENDER	18/08/02	VA
NO	REVISIONS	DATE	BY



DESIGNED BY SA	CHECKED BY SA <i>[Signature]</i>
DRAWN BY DD	APPROVED BY
HOR. SCALE: VERTICAL: N.T.S.	RELEASED FOR CONSTRUCTION



CONSULTANT DRAWING NO.
1800120700-DWG-M0002



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

BALTIMORE FLOOD PUMPING STATION UPGRADES

MECHANICAL

HVAC SCHEMATIC DIAGRAM

CITY DRAWING NUMBER

SHEET 10 OF 23

M0002