



MECHANICAL ROOM – POWER PLAN
SCALE: 1:100

DRAWING NOTES

- ① WIRE AND CONNECT NEW MAKE-UP AIR UNIT FANS S750-EF AND S750-SF AND ASSOCIATED VFD'S TO MCC-1S AND MCC-2S.
- ② PROVIDE TWO DISCONNECT SWITCHES, ONE EACH FOR GLYCOL PUMP S770 AND FOR S775. WIRE AND CONNECT PUMPS AND ASSOCIATED CONTROLS TO MCC-1S AND MCC-2S.
- ③ WIRE AND CONNECT NEW CLARIFIER MECHANISM MOTOR S530 AND ASSOCIATED CONTROLS TO MCC-1S.
- ④ WIRE AND CONNECT SUPPLY FAN S780 AND ASSOCIATED CONTROLS TO NEW PANEL SB IN THE ELECTRICAL ROOM.
- ⑤ THERMOSTAT AND CONTROLLER FOR FAN S780 PROVIDED BY DIV. 15.
- ⑥ 3/C#12 TECK TO MCC-1S.
- ⑦ CONDUCTORS TO MCC-1S (S770-GP) AND MCC-2S (S775-GP).
- ⑧ NEW PANEL SB IN ELECTRICAL ROOM WITH 30kVA XFMR-SB MOUNTED ABOVE.
- ⑨ REFER TO MOTOR CONTROL SCHEDULE FOR INFORMATION POWER CABLES STARTERS AND REQUIRED CONTROLS.
- ⑩ MOTORIZED DAMPERS SUPPLIED AND INSTALLED BY DIV. 15 FOR S750-AHU. INSTALLED BY DIV. 16. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- ⑪ CONTROL VALVE FOR S750-AHU SUPPLIED AND INSTALLED BY DIV. 15. CONNECTED BY DIV. 16. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- ⑫ MOTORIZED DAMPERS FOR S780-SF SUPPLIED AND INSTALLED BY DIV. 15. INSTALLED BY DIV. 16. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.

GENERAL NOTES

1. COORDINATE WITH OTHER TRADES TO PREVENT CONFLICTS.
2. USE PVC JACKETED HITECK CABLE FOR ALL POWER WIRING.
3. WIRING FOR LIGHTING, RECEPTACLES AND COMMUNICATIONS TO IN RIGID ALUMINUM CONDUIT.
4. ALL CONDUIT TO BE 21mm ϕ MINIMUM UNLESS OTHERWISE NOTED.



B.M. ELEV.			
02	ISSUED FOR CONSTRUCTION	06/09/22	SRP
01	21-2006 ADDENDUM 3	06/05/19	ERC
00	ISSUED FOR TENDER	06/04/26	ERC
NO.	REVISIONS	DATE	BY

EarthTech A Tyco International Ltd. Company	
DESIGNED BY: GSN	CHECKED BY: PS
DRAWN BY: ERC	APPROVED BY: JEH
HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY: J. VEILLEUX
DATE: 2005/12/19	DATE: 2006/04/26

ENGINEER'S SEAL
ORIGINAL SIGNED BY: P. STRYK
DATE: 2006/04/26
CONSULTANT DRAWING NO. SE3.03

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
WEWPC BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT 3	CITY FILE NUMBER
ELECTRICAL AREA S – SECONDARY CLARIFIER 3 UPPER LEVEL POWER PLAN	SHEET OF
	CITY DRAWING NUMBER