



**A** **DETAIL**  
SE2.02 SCALE NTS

**B** **DETAIL**  
SE2.02 SCALE NTS

PANEL SCHEDULE										
Panel SAB										
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Lighting	375	15	1	*			2	15	2	Receptacle
Condensing Unit S790-CU	-	20	3	*			4	15	5	Receptacles - Bioreactor 1
		3P	5	*			6	15	5	Receptacles - Bioreactor 2
			7	*			8	15		Spare
Oxygen Transmitter S451-AIT		15	9	*			10	15		Oxygen Transmitter S461-AIT
Oxygen Transmitter S452-AIT		15	11	*			12	15		Oxygen Transmitter S462-AIT
Oxygen Transmitter S453-AIT		15	13	*			14	15		Oxygen Transmitter S463-AIT
Oxygen Transmitter S454-AIT		15	15	*			16	15		Oxygen Transmitter S464-AIT
Flow Transmitter S125-FIT		15	17	*			18	15		Flow Transmitter F558-AIT
Flow Transmitter F556-FIT		15	19	*			20	15		Flow Transmitter S121-AIT
Flow Transmitter S111-FIT		15	21	*			22	15		Flow Transmitter S122-AIT
Flow Transmitter S112-FIT		15	23	*			24	15		Spare
Flow Control Valve S458-FCV		15	25	*			26	15		Flow Control Valve S468-FCV
Flow Control Valve S810-FCV		15	27	*			28	15		Flow Control Valve S820-FCV
Flow Control Valve S558-FCV		15	29	*			30	15		Flow Control Valve F558-FCV
Space	-		31	*			32	15		Spare
Space	-		33	*			34	15		Spare
Space	-		35	*			36	15		Spare
Space	-		37	*			38	-		Space
Space	-		39	*			40	-		Space
Space	-		41	*			42	-		Space

Voltage:	120/208V/3Ø/4 wire	Feeder:	4/C#3 TECK
Mains:	225A	Main Breaker:	N/A
Location:	Bioreactor Electrical Room	Power Source:	Transformer SAB
Mounting:	Surface		



**DRAWING NOTES**

- NEW WRAPPERS SHALL BE INSTALLED IN EXISTING STARTER SPACES AND SHALL CONTAIN A NEW 20A-3P, 600V BREAKERS (ONE FOR S810-WAP AND ONE FOR S820-WAP). WIRE TO NEW REMOTE VFD'S (SUPPLIED BY DIVISION 11) AS INDICATED ON ELECTRICAL DRAWINGS. WIRE FROM VFD'S TO NEW PUMPS S810-WAP AND S820-WAP AND MAKE ALL CONNECTIONS.
- PANEL SB INSTRUMENT CIRCUITS - REFER TO INSTRUMENTATION AND CONTROL DRAWINGS FOR INSTRUMENTATION LOCATIONS. PROVIDE WIRE AND CABLE AS PER INSTRUMENT CABLE LIST.

**GENERAL NOTES**

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

B.M. ELEV. DESIGNED BY: GSN DRAWN BY: ERC HOR. SCALE: AS NOTED VERTICAL SCALE: 00 ISSUED FOR TENDER 06/04/26 ERC NO. REVISIONS DATE BY DATE 2005/12/19 DATE 2006/04/26	A Tyco International Ltd. Company CHECKED BY: PS APPROVED BY: JEJ RELEASED FOR CONSTRUCTION BY: J. VEILLEUX	ENGINEER'S SEAL ORIGINAL SIGNED BY: P. STRYK 2006/04/26 CONSULTANT DRAWING NO. SE2.03	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION WEWPCC BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT 3 ELECTRICAL AREA S - BIOREACTORS ELECTRICAL ROOM DETAILS	CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER
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