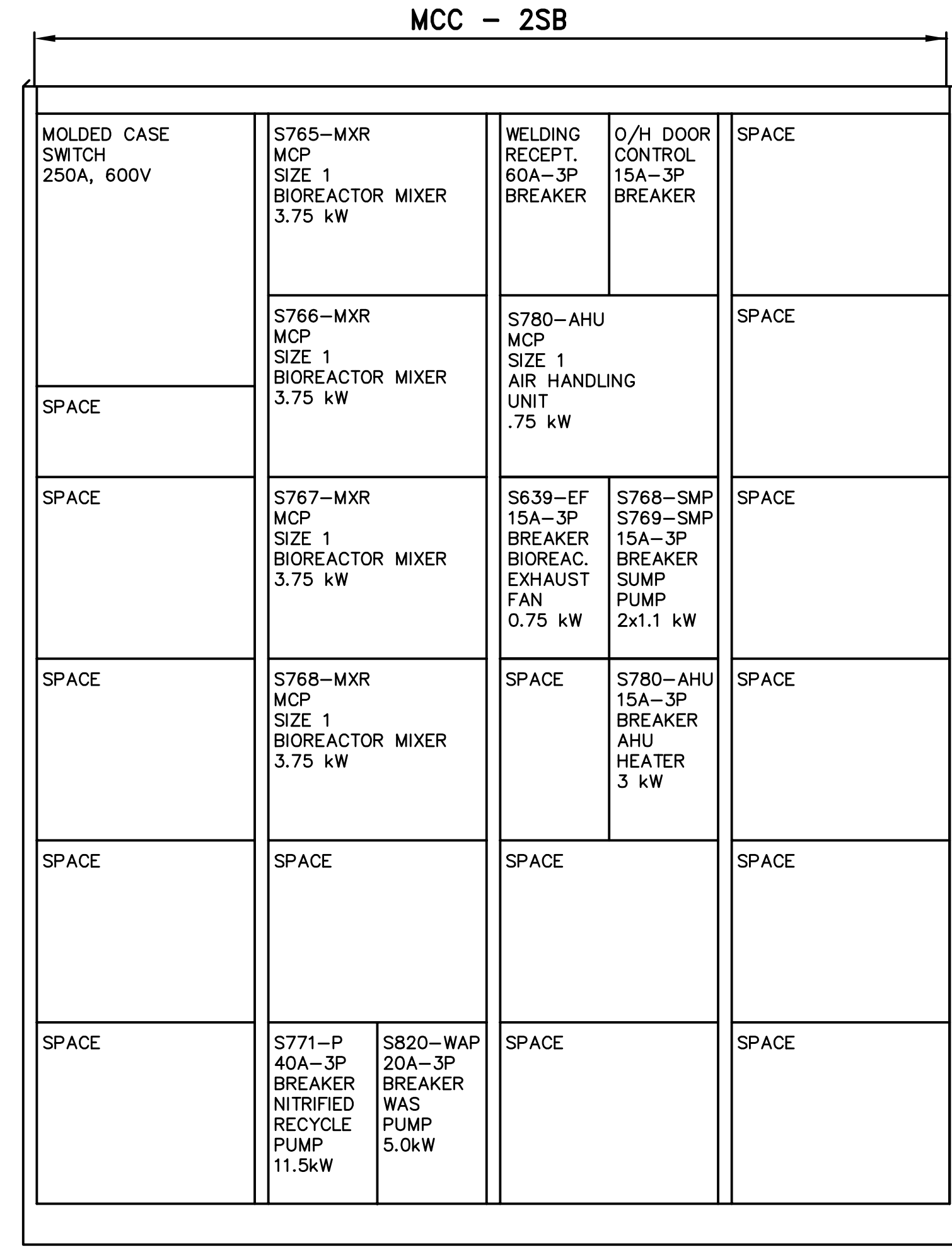


A DETAIL
SE2.02 SCALE NTS



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 S556-FCV	15	29	*				30	15		Flow Control Valve F558-FCV
Motorized Dampers for 780-AHU	15	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: Transfomer 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 RGID ALUMINUM CONDUIT.
 - ALL CONDUIT TO BE 21mmØ MINIMUM UNLESS OTHERWISE NOTED.

B.M. ELEV.	EarthTech A Tyco International Ltd. Company		ENGINEER'S SEAL	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION		
DESIGNED BY: GSN	CHECKED BY: PS	ORIGINAL SIGNED BY: P. STRYK	2006/04/26			
03 ISSUED FOR CONSTRUCTION 06/09/22 SRP	DRAWN BY: ERC	APPROVED BY: JEH	CONSULTANT DRAWING NO. SE2.03	CITY FILE NUMBER		
02 21-2006 ADDENDUM 6 06/07/05 SRP	HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY: J. VEILLEUX			CITY DRAWING NUMBER	
01 21-2006 ADDENDUM 3 06/05/19 ERC	VERTICAL SCALE:					
00 ISSUED FOR TENDER 06/04/26 ERC	NO. REVISIONS	DATE BY	DATE	2005/12/19	DATE	2006/04/26

WEWPC
BIOLOGICAL NUTRIENT REMOVAL UPGRADE
CONTRACT 3

ELECTRICAL
 AREA S - BIOREACTORS
 ELECTRICAL ROOM DETAILS