

MCC - 1T

MOLDED CASE SWITCH 200A, 600V	T600-SF 25A-3P BREAKER MAKE UP AIR UNIT SUPPLY FAN 7.5kW	T600-EF 20A-3P BREAKER MAKE UP AIR UNIT EXHAUST FAN 5.6kW	T640-CA 30A-3P BREAKER AIR COMP. 2x5.6kW	XFMR-TAA 40A-3P BREAKER TRANSFMR 30kVA	MOLDED CASE TIE SWITCH 200A, 600V
T110-DAF CONTROL PANEL 100A-3P	SPACE	SPACE	SPACE	SPACE	SPACE
T125-SBP 20A-3P BREAKER SUBNAT. PUMP No.1 5kW	T131-POF 15A-3P BREAKER DAF POLYMER PUMP No.1 .375 kW	T665-GP MCP SIZE 1 GLYCOL FEED PUMP 3.75 kW	SPACE	SPACE	SPACE
T136-POF 15A-3P BREAKER CEPT POLYMER PUMP No.1 .375 kW	T141-MP 15A-3P BREAKER FeC13 PUMP No.1 0.75kW	T680-DWP T685-DWP 15A-3P BREAKER DOMESTIC WATER PUMP 2x1.5kW	SPACE	SPACE	SPACE
T143-MP 15A-3P BREAKER FeC13 PUMP No.1 0.75kW	T130-POL 30A-3P BREAKER PRIMARY CLARIFIER POLYMER SYSTEM 1 3.75 kW	SPACE	SPACE	SPACE	SPACE

MCC - 2T

MOLDED CASE SWITCH 200A, 600V	T605-SF 20A-3P BREAKER MAKE UP AIR UNIT SUPPLY FAN 5.6 kW	T605-EF 15A-3P BREAKER MAKE UP AIR UNIT EXHAUST FAN 3.75 kW	T700-SMP 15A-3P BREAKER SUMP PUMP 2x0.37 kW	WELDING OUTLET 30A 3P	SPACE
T120-DAF CONTROL PANEL 100A-3P	T610-AHU MCP SIZE 1 AIR HANDLING UNIT FAN 1.5 kW	T610-AHU 15A-3P BREAKER AHU HEATER 4 kW	SPACE	SPACE	SPACE
T126-SBP 20A-3P BREAKER SUBNAT. PUMP No.1 5 kW	T132-POF 15A-3P BREAKER DAF POLYMER PUMP No. 2 .375 kW	T670-GP MCP SIZE 1 GLYCOL FEED PUMP 3.75 kW	SPACE	SPACE	SPACE
T137-POF 15A-3P BREAKER CEPT POLYMER PUMP No.2 .375 kW	T142-MP 15A-3P BREAKER FeC13 PUMP No.2 0.75kW	SPACE	SPACE	SPACE	SPACE
T144-MP 15A-3P BREAKER FeC13 PUMP No.2 0.75kW	T135-POL 30A-3P BREAKER PRIMARY CLARIFIER POLYMER SYSTEM 2	SPACE	SPACE	SPACE	SPACE

PANEL SCHEDULE										
PANEL TAA										
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Lighting - DAF		15	1	*			2	15	3HP	Overhead Door Opener
Lighting - DAF		15	3		*		4	3P		3/C#12
Lighting - Polymer		15	5			*	6			
Lighting - Ferric Chloride Area		15	7	*			8	15	3HP	Overhead Door Opener
Lighting - Electrical Room		15	9		*		10	3P		3/C#12
Lighting - Mechanical Room		15	11			*	12			
			13	*			14	20		Overhead Crane
			15		*		16	3P		3/C#10
			17			*	18			
			19	*			20			
			21		*		22			
			23			*	24			
			25	*			26			
			27		*		28			
			29		*		30			
			31	*			32			
			33		*		34			
			35			*	36			
			37	*			38	60A	45kVA	Transformer XFMR-TA
			39		*		40	3P		3/C#6
			41			*	42			
Voltage: 347/600V/3Ø/4W		Feeder: 3/C #8								
Mains: 225A		Main Breaker: N/A								
Location: DAF Electrical Room		Power Source: XFMR-TAA								
Mounting: Surface										

PANEL SCHEDULE										
Panel TA										
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Receptacle	2	15	1	*			2	15		Receptacle - BMS
Receptacle	2	15	3		*		4	15		Receptacle
Receptacle	3	15	5			*	6	15		Receptacle
Receptacle	3	15	7	*			8	20		Condensing Unit T630-CU
Receptacle	3	15	9		*		10	3P		
Receptacle	3	15	11			*	12			
Receptacle - Glycol Feed Tank	15	13	*				14			Spare
Natural Gas Boiler T650-GH	20	15	*				16	15		Hot Water Unit Heater T615-UH
Natural Gas Boiler T655-GH	20	17	*				18	3P		
T111-MD1, T112-MD1	15	19	*				20			
T600-MD1, T600-MD2	15	21	*				22	15		Hot Water Unit Heater T620-UH
T610-MD1, T610-MD2	15	23	*				24	3P		
Control valves T600 and T605-MUA	15	25	*				26			
Flow Transmitter T131-FIT	15	27	*				28	15		Flow Transmitter T132-FIT
Flow Transmitter T127-FIT	15	29	*				30	15		Flow Transmitter T136-FIT
Level Transmitter T111-LIT	15	31	*				32	15		Level Transmitter T121-LIT
Level Transmitter T140-LIT	15	33	*				34	15		Spare
Spare	15	35	*				36	15		Spare
Spare	15	37	*				38	-		Space
Spare	15	39	*				40	-		Space
Spare	15	41	*				42	-		Space
Voltage: 120/208V/3Ø/4 wire		Feeder: 3/C#2/0								
Mains: 225A		Main Breaker: N/A								
Location: DAF Electrical Room 202		Power Source: Transformer XFMR-TA								
Mounting: Surface										

DRAWING NOTES

- MOTOR CONTROL CENTRES 1T & 2T
- DAF T110 - SINGLE POWER CONNECTION TO PACKAGE UNIT SUPPLIED BY DIVISION 11. DIVISION 11 TO PROVIDE VFD FOR DAF SKIMMER DRIVE. WIRE AND CONNECTION TO CONTROL PANEL BY DIVISION 16.
 - DAF T120 - SINGLE POWER CONNECTION TO PACKAGE UNIT SUPPLIED BY DIVISION 11. DIVISION 11 TO PROVIDE VFD FOR DAF SKIMMER DRIVE. WIRE AND CONNECTION TO CONTROL PANEL BY DIVISION 16.
 - PRIMARY CLARIFIER AND DAF POLYMER SYSTEMS 1 & 2 - SINGLE POWER CONNECTION TO PACKAGE UNIT SUPPLIED BY DIVISION 11. WIRE AND CONNECTION TO CONTROL PANEL BY DIVISION 16.
 - AIR COMPRESSOR T640-CA SHALL BE COMPLETE WITH STARTING EQUIPMENT PROVIDED WITH THE COMPRESSOR UNITS. DIVISION 16 TO WIRE AND CONNECT CONTROL PANEL.



B.M. ELEV.					
DESIGNED BY	GSN	CHECKED BY	PS		
DRAWN BY	ERC	APPROVED BY	JEH		
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX		
VERTICAL SCALE:					
NO. REVISIONS	DATE	BY	DATE	DATE	DATE
01	21-2006 ADDENDUM 3		06/05/19	ERC	
00	ISSUED FOR TENDER		06/04/26	ERC	
			2005/12/19		2006/04/26

ENGINEER'S SEAL	<p>A Tyco International Ltd. Company</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p>
ORIGINAL SIGNED BY	P. STRYK	WEWPC BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT 3
DATE	2006/04/26	CITY FILE NUMBER
CONSULTANT DRAWING NO.	TE2.01	SHEET OF
		CITY DRAWING NUMBER
		ELECTRICAL AREA T - DAF THICKENER BUILDING DETAILS