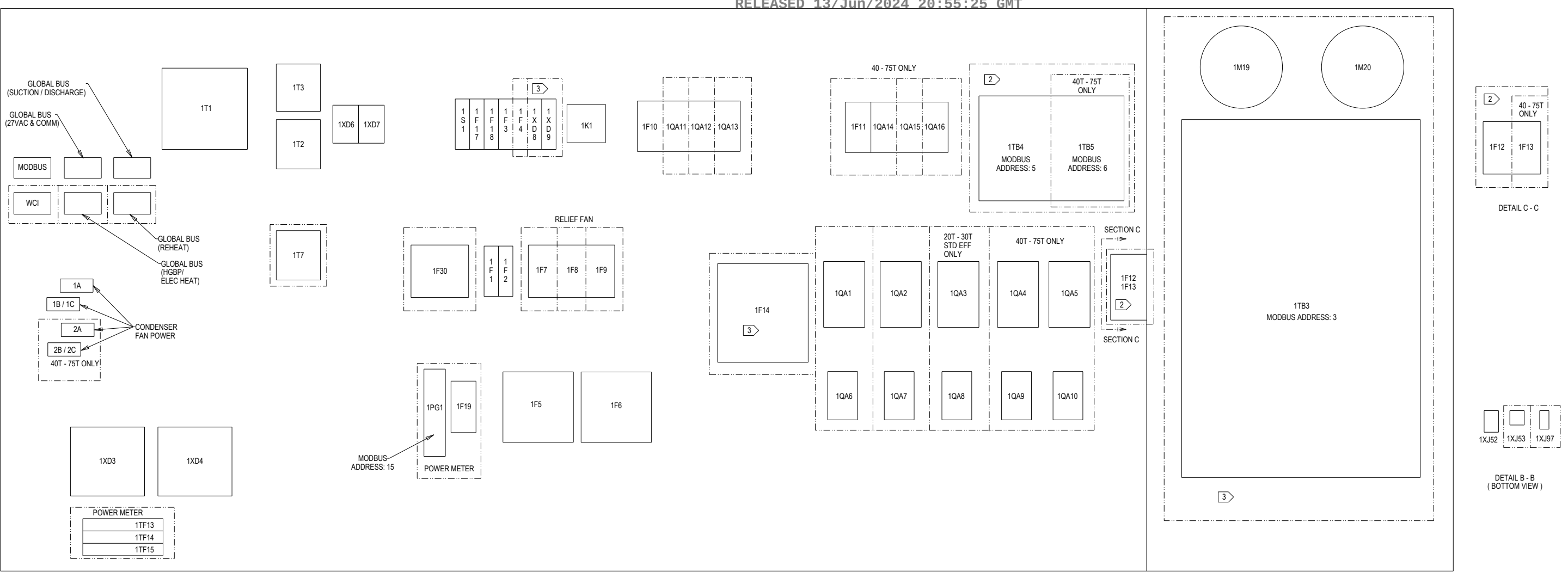
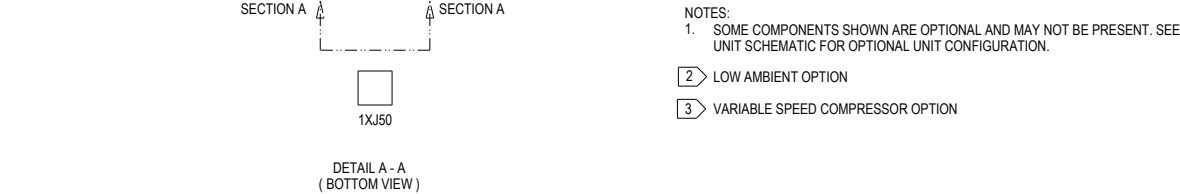
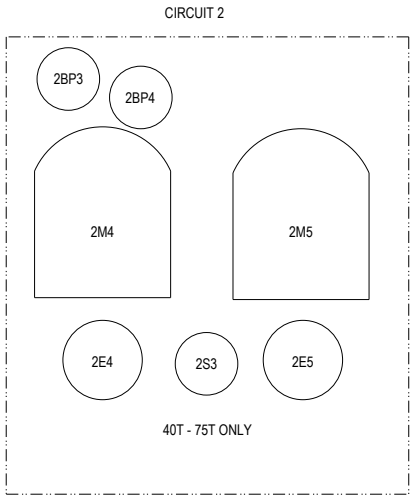
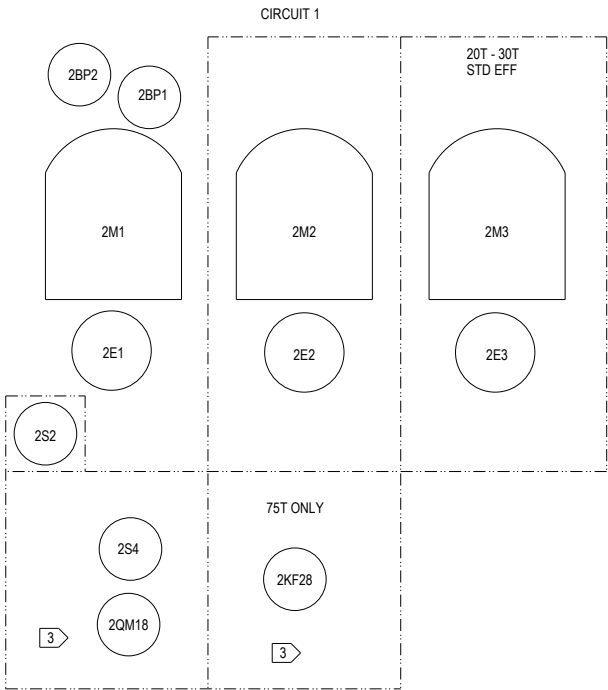




LEGEND	
DEVICE DESIG	DESCRIPTION
1F1	FUSE - CONTROLS TRANSFORMER
1F2	FUSE - CONTROLS TRANSFORMER
1F3	FUSE - COMPRESSOR CKT #1
1F4	FUSE - COMPRESSOR CKT #2
1F5	FUSEBLOCK - SUPPLY VFD #1
1F6	FUSEBLOCK - SUPPLY VFD #2
1F7	FUSEBLOCK - RELIEF FAN #1
1F8	FUSEBLOCK - RELIEF FAN #2
1F9	FUSEBLOCK - RELIEF FAN #3
1F10	FUSEBLOCK - COND FAN CKT #1
1F11	FUSEBLOCK - COND FAN CKT #2
1F12	FUSEBLOCK - COND FAN VFD #1
1F13	FUSEBLOCK - COND FAN VFD #2
1F14	FUSEBLOCK - VSC
1F17	FUSE - 27VAC TRANSFORMER PRIMARY
1F18	FUSE - 27VAC TRANSFORMER PRIMARY
1F19	FUSEBLOCK - POWER METER
1F30	FUSE - PHASE MONITOR
1K1	PHASE MONITOR
1M19	MOTOR - VFD VENTILATION FAN
1M20	MOTOR - VFD VENTILATION FAN
1PG1	POWER METER
1QA1	CIRCUIT BREAKER - COMPRESSOR 1A
1QA2	CIRCUIT BREAKER - COMPRESSOR 1B
1QA3	CIRCUIT BREAKER - COMPRESSOR 1C
1QA4	CIRCUIT BREAKER - COMPRESSOR 2A
1QA5	CIRCUIT BREAKER - COMPRESSOR 2B
1QA6	CONTACTOR - COMPRESSOR 1A
1QA7	CONTACTOR - COMPRESSOR 1B
1QA8	CONTACTOR - COMPRESSOR 1C
1QA9	CONTACTOR - COMPRESSOR 2A
1QA10	CONTACTOR - COMPRESSOR 2B
1QA11	CONTACTOR - COND FAN 1A
1QA12	CONTACTOR - COND FAN 1B
1QA13	CONTACTOR - COND FAN 1C
1QA14	CONTACTOR - COND FAN 2A
1QA15	CONTACTOR - COND FAN 2B
1QA16	CONTACTOR - COND FAN 2C
1S1	CONTROLS CIRCUIT - 115VAC
1T1	TRANSFORMER - 115VAC CONTROLS
1T2	TRANSFORMER - 27VAC
1T3	TRANSFORMER - 27VAC
1T7	TRANSFORMER - 24VAC
1TB3	VFD - COMPRESSOR
1TB4	VFD - COND FAN CKT #1
1TB5	VFD - COND FAN CKT #2
1TF13	TRANSUDUCER - CURRENT
1TF14	TRANSUDUCER - CURRENT
1TF15	TRANSUDUCER - CURRENT
1XD3	TERMINAL BLOCK - CONDENSER POWER
1XD4	TERMINAL BLOCK - AIR SIDE
1XD6	TERMINAL BLOCK - 115VAC
1XD7	TERMINAL BLOCK - 115VAC COM
1XD8	TERMINAL BLOCK - 115VAC
1XD9	TERMINAL BLOCK - 115VAC COM
2BP1	SENSOR - DISCHARGE PRESSURE CKT#1
2BP2	SENSOR - SUCTION PRESSURE CKT#1
2BP3	SENSOR - DISCHARGE PRESSURE CKT#2
2BP4	SENSOR - SUCTION PRESSURE CKT#2
2E1	CRANKCASE HEATER (COMP) 1A
2E2	CRANKCASE HEATER (COMP) 1B
2E3	CRANKCASE HEATER (COMP) 1C
2E4	CRANKCASE HEATER (COMP) 2A
2E5	CRANKCASE HEATER (COMP) 2A
2KF28	MODULE - COMPRESSOR PROTECTION
2M1	COMPRESSOR 1A
2M2	COMPRESSOR 1B
2M3	COMPRESSOR 1C
2M4	COMPRESSOR 2A
2M5	COMPRESSOR 2B
2QM18	SOLENOID - OIL
2S2	SWITCH - HIGH PRESSURE CUTOUT
2S3	SWITCH - HIGH PRESSURE CUTOUT
2S4	SWITCH - HIGH PRESSURE CUTOUT (VSC)



- NOTES:
- SOME COMPONENTS SHOWN ARE OPTIONAL AND MAY NOT BE PRESENT. SEE UNIT SCHEMATIC FOR OPTIONAL UNIT CONFIGURATION.
- 2 LOW AMBIENT OPTION
- 3 VARIABLE SPEED COMPRESSOR OPTION



FUSE REPLACEMENT TABLE																		
TRANSFORMER PROTECTION 1F1, 1F2 - CLASS CC		200V	230V	460V/575V	CONTROLS CIRCUIT SWITCH 1S1 - CLASS CC		20A	115V CIRCUIT PROTECTION 1F3, 1F4 -CLASS CC		5A	27V CIRCUIT PROTECTION 1F17, 1F18 - CLASS CC		5A					
		25A	20A	8A														
CONDENSER MOTOR CIRCUIT CLASS CC (3x EA)		1F10, 1F11	1F12, 1F13		RELIEF MOTOR PROTECTION 1F7, 1F8, 1F9 - CLASS CC (3x EA)		25A	POWER METER PROTECT 1F19 - CLASS CC (3x EA)		0.5A								
		15A	10A															
SUPPLY VFD FUSES - 1F5, 1F6																		
DIRECT DRIVE MOTORS (WITHOUT BYPASS) - CLASS J - FAST ACTING (3x EA)																		
UNIT VOLTAGE	1.5 HP (2x)	3 HP (2x)	5 HP (2x)	7.5 HP (2x)	10 HP (2x)		15 HP (2x)		20 HP (2x)		25 HP (2x)							
					4P	6P	4P	6P	4P	6P	4P	6P						
					200V/60/3	10A	25A	50A	80A	80A	100A	100A			100A	100A	100A	N/A
					230V/60/3	10A	25A	25A	50A	80A	80A	100A			100A	100A	N/A	
					460V/60/3	10A	15A	15A	25A	50A	50A	50A			50A	80A	N/A	
575V/60/3	20A	20A	20A	20A	30A	30A	30A	30A	80A	80A	N/A							
DIRECT DRIVE MOTORS (WITH BYPASS) - CLASS J - TIME DELAY (3x EA)																		
UNIT VOLTAGE	1.5 HP (2x)	3 HP (2x)	5 HP (2x)		7.5 HP (2x)		10 HP (2x)		15 HP (2x)		20 HP (2x)		25 HP (2x)					
			4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P				
			200V/60/3	10A	20A	30A	30A	40A	45A	60A	60A	80A	100A	N/A	N/A	N/A	N/A	
			230V/60/3	10A	20A	30A	30A	40A	40A	60A	50A	80A	80A	N/A	N/A	N/A	N/A	
			460V/60/3	5A	10A	15A	15A	20A	20A	25A	25A	35A	40A	45A	50A	60A	N/A	
575V/60/3	5A	10A	10A	15A	15A	15A	20A	20A	30A	30A	35A	40A	45A	N/A				
COMPRESSOR VFD FUSES - 1F14						PHASE MONITOR PROTECTION CLASS CC (3x EA)		1F30										
CLASS T (3x EA)		CLASS J (3x EA)		30A														
UNIT VOLTAGE	20T-25T	30T-40T	50T-75T	20T-25T	30T-40T													
200V/60/3	150A	200A	250A	N/A	N/A													
230V/60/3	150A	200A	250A	N/A	N/A													
460V/60/3	N/A	N/A	125A	80A	100A													
575V/60/3	N/A	N/A	125A	80A	100A													

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ENGINEER:	E. CAROTA		DIAGRAM			
TRANE © DATE:	3/22/2024		COMPONENT LAYOUT - MAIN CONTROL PANEL			
REPLACES:	--		--			
SIMILAR TO:	--					
REVISION DATE:	4/15/2024					
REVISED BY:	J. HENRICKSEN					
APPROVED BY:	E. CAROTA					
CAD SYSTEM USED: CREO PARAMETRIC						
		MASTER NUMBER:		DRAWING NUMBER:	SHEET:	REV:
				12135009	1 OF 1	B