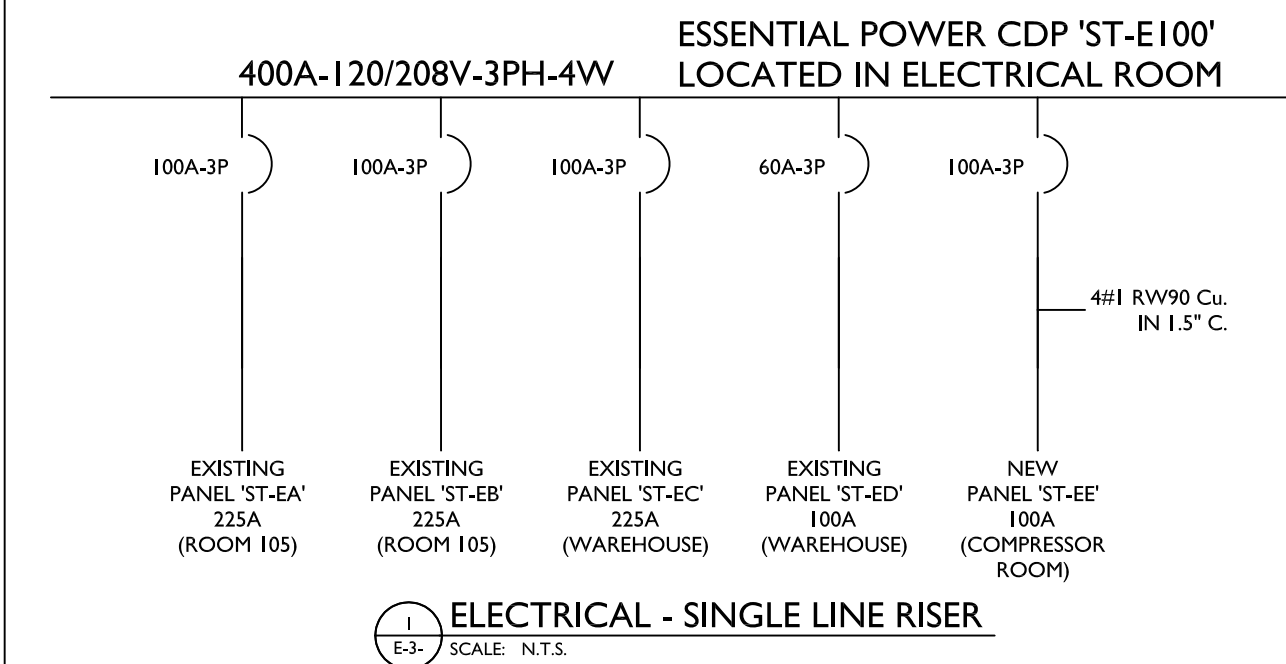


NEW PANEL 'ST-EE'									
225A-120/208V-3PH-4W PANEL									
SURFACE MOUNTED IN NEW COMPRESSOR ROOM									
DESCRIPTION	CIRCUIT BREAKER	PHASE			CIRCUIT BREAKER	DESCRIPTION			
		A	B	C					
ELECTRIC BASEBOARD HEATER (1.5KW)	15	1	Φ	2	30	COLD ROOM COMPRESSOR (C-3) (8.1KW) #10 WIRE			
HOUSEKEEPING RECEPTACLES (0.2KW)	15	5	Φ	6					
FREEZER NO.1 HEAT TRACE (GFCI) (0.5KW)	20	7	Φ	8	30	FREEZER NO.1 COMPRESSOR (C-1) (6.1KW) #10 WIRE			
FREEZER NO.2 HEAT TRACE (GFCI) (0.5KW)	20	9	Φ	10					
HOT WATER TANK (3.0KW)	20	11	Φ	12	20	EXTERIOR CONVENIENCE RECEPTACLE (0.1KW)			
LIGHTING - MAIN CORRIDOR INSET AND FREEZER NO.2 ALCOVE (0.05KW)	15	13	Φ	14					
HYDRONIC GLYCOL FEED TANK (0.5KW)	15	15	Φ	16	15	COLD ROOM CONDENSER (CU-2) (1.7KW)			
EXHAUST FAN (E-1) (0.1KW)	15	17	Φ	18	20	SPARE			
FREEZERS CONDENSING UNIT (CU-1) (0.5KW)	15	19	Φ	20					
LIGHTING - FREEZER NO.1 (0.05KW)	-	21	Φ	22	30	FREEZER NO.2 COMPRESSOR (C-2) (6.1KW) #10 WIRE			
LIGHTING - FREEZER NO.2 (0.05KW)	-	23	Φ	24					
BOILER (2.25KW)	15	25	Φ	26	15	FREEZER NO.2 EVAPORATOR (E-2) (0.9KW)			
HYDRONIC PUMP (P-1) (0.2KW)	15	27	Φ	28					
HYDRONIC PUMP (P-2) (0.2KW)	15	29	Φ	30	15	COLD ROOM EVAPORATOR (E-3) (1.5KW)			
LIGHTING - COMPRESSOR ROOM (0.05KW)	15	31	Φ	32					
MOTORIZED DAMPERS (0.3KW)	15	33	Φ	34	15	FREEZER NO.1 EVAPORATOR (E-1) (1.1KW)			
SPARE	15	35	Φ	36					
SPARE	15	37	Φ	38	15	SPACE			
SPARE	15	39	Φ	40					
SPARE	15	41	Φ	42	15	SPACE			
SPARE	15	43	Φ	44					
SPARE	15	45	Φ	46	15	SPACE			
SPARE	15	47	Φ	48					
SPARE	15	49	Φ	50	15	SPACE			
SPARE	15	51	Φ	52					
SPARE	15	53	Φ	54	15	SPACE			
SPARE	15	55	Φ	56					
SPARE	15	57	Φ	58	15	SPACE			
SPARE	15	59	Φ	60					
FEED APPROPRIATE CIRCUITS THROUGH JUNCTION BOXES AS INDICATED ON ELECTRICAL DRAWING.									

THIS NEW PANEL REPRESENTS AN ADDITIONAL POWER LOAD OF 31.4 KW AS PER INDICATIONS ABOVE



EXISTING (MODIFIED) PANEL 'ST-ED'									
100A-120/208V-3PH-4W PANEL SURFACE MOUNTED IN WAREHOUSE AREA									
DESCRIPTION	CIRCUIT BREAKER	PHASE A B C			CIRCUIT BREAKER	DESCRIPTION			
NEW (RELOCATED BATT. CHARGER) (2.4KW)	15	1	Φ	2	15	EXISTING DOCK LEVELLER			
SPACE	-	3	Φ	4	-				
SPACE	-	5	Φ	6	-				
SPACE	-	7	Φ	8	-				
SPACE	-	9	Φ	10	-				
SPACE	-	11	Φ	12	-				
SPACE	-	13	Φ	14	-				
SPACE	-	15	Φ	16	-				
SPACE	-	17	Φ	18	-				
SPACE	-	19	Φ	20	-				
SPACE	-	21	Φ	22	-				
SPACE	-	23	Φ	24	-				
SPACE	-	25	Φ	26	-				
SPACE	-	27	Φ	28	-				
SPACE	-	29	Φ	30	-				

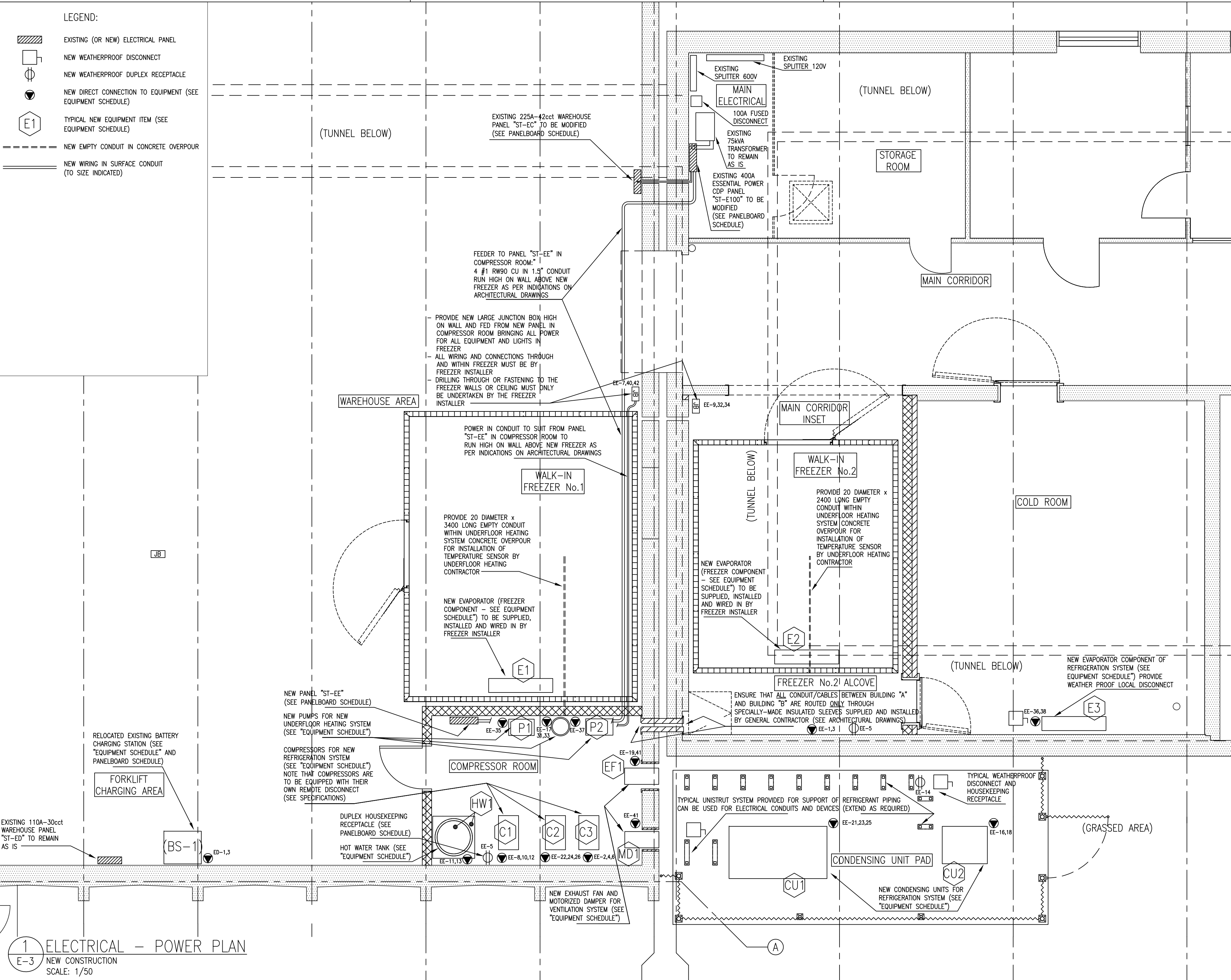
THIS EXISTING (MODIFIED) PANEL REPRESENTS AN ADDITIONAL POWER LOAD OF 2.4 KW AS PER INDICATIONS ABOVE


EXISTING (MODIFIED) PANEL 'ST-EC'									
225A-120/208V-3PH-4W SURFACE MOUNTED IN WAREHOUSE AREA									
DESCRIPTION	CIRCUIT BREAKER	PHASE A B C			CIRCUIT BREAKER	DESCRIPTION			
LIGHTING	15	1	Φ	2	15	RECEPTACLES			
LIGHTING	15	3	Φ	4	15	RECEPTACLES			
LIGHTING	15	5	Φ	6	15	RECEPTACLES			
EMERGENCY LIGHTING	15	7	Φ	8	15	RECEPTACLES			
LIGHTING	15	9	Φ	10	15	FANS			
LIGHTING	15	11	Φ	12	15	FANS			
HEATING CONTROLS	15	13	Φ	14	15	SPARE - DELETED 36 UNIT CHARGER (-2.4KW)			
FANS	15	15	Φ	16	15				
EXTERIOR LIGHTING	15	17	Φ	18	15	LAN RECEPTACLE			
EMERGENCY LIGHTING	15	19	Φ	20	15	LIGHTING			
OVERHEAD DOOR OPERATOR	15	21	Φ	22	15	LIGHTING			
SPARE - DELETED EXISTING (RELOCATED CHARGER) (2.4KW)	15	23	Φ	24	15	LIGHTING			
LIGHTING	15	25	Φ	26	15	LIGHTING			
LIGHTING	15	27	Φ	28	-	SPACE			
LIGHTING	15	29	Φ	30	-	SPACE			
LIGHTING	15	31	Φ	32	15	SPARE - DELETED EXISTING FREEZER (-4.3KW)			
LIGHTING	15	33	Φ	34	15				
LIGHTING	15	35	Φ	36					
SPARE - DELETED COMPRESSOR ROOM RECEPTACLE (0.1KW)	15	37	Φ	38					
SPARE - DELETED COMPRESSOR ROOM EXHAUST FAN (0.1KW)	15	39	Φ	40	30	SPARE - DELETED EXISTING COOLER (-8.6KW)			
OVERHEAD DOOR	15	41	Φ	42					

THIS EXISTING (MODIFIED) PANEL REPRESENTS A DELETION TO THE POWER LOAD OF 17.9 KW AS PER INDICATIONS ABOVE

EXISTING (MODIFIED) ESSENTIAL POWER CDP 'ST-100'									
400A-120/208V-3PH-4W SURFACE MOUNTED IN ELECTRICAL ROOM									
DESCRIPTION	CIRCUIT BREAKER	PHASE A B C			CIRCUIT BREAKER	DESCRIPTION			
SPLITTER	100	1	Φ	2	100	EXISTING PANEL 'ST-EA'			
		3	Φ	4					
		5	Φ	6					
		7	Φ	8					
EXISTING PANEL 'ST-EC'	100	9	Φ	10	60	EXISTING PANEL 'ST-ED'			
		11	Φ	12					
PANEL RECEPTACLE	15	13	Φ	14					
LIGHT AT NGV	15	15	Φ	16	100	NEW PANEL 'ST-EE'			
SPARE	15	17	Φ	18					
FREEZER START WARNING LIGHT	15	19	Φ	20	-	SPACE			
PHOTOCOPIER RECEPTACLE	15	21	Φ	22	-	SPACE			
SPACE	-	23	Φ	24	-	SPACE			
SPACE	-	25	Φ	26	-	SPACE			
SPACE	-	27	Φ	28	-	SPACE			
SPACE	-	29	Φ	30	-	SPACE			
SPACE	-	31	Φ	32	-	SPACE			
SPACE	-	33	Φ	34	-	SPACE			
SPACE	-	35	Φ	36	-	SPACE			
SPACE	-	37	Φ	38	-	SPACE			
OFFICES PANEL	100	39	Φ	40	-	SPACE			
		41	Φ	42	-	SPACE			

THIS EXISTING (MODIFIED) PANEL REPRESENTS AN ADDITIONAL POWER LOAD OF 15.9 KW AS PER ADDITIONS AND DELETIONS INDICATED AT PANELS ST-EC, ST-ED AND ST-EE





Public Works and
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ENGINEERING LTD.

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ISSUED FOR CONSTRUCTION

2018/05/14

Revision

Description

Date

Client

client

CORRECTIONAL SERVICE
CANADA (CSC)

Stony Mountain Institution (SMI)
Stony Mountain, Manitoba

Project title

Projet

C17 STORES
Stony Mountain Institution (SMI)
Stony Mountain, Manitoba

FREEZER REPLACEMENT

Designed by
TONY MITOUSH

Conçu par

Drawn by

Dessiné par

Approved by

Approuvé par

PWGSC Project Manager
TIM LODGE

Administrateur de Projets TPSGC

Drawing title

Titre du dessin

ELECTRICAL - POWER PLAN:
- NEW CONSTRUCTION
PANELBOARD SCHEDULES:
- NEW CONSTRUCTION

Project no./No. du projet

Drawing no./No. du dessin

Revision no.

R.086718.001

E-3

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