(9)	M ₹	;	두 -	T WG	₹ Z	GFI	귀 :	RH AFF	≱ ∑] <=	EXIT	8	O EMI	EXIT	8	8		JB			Į.] [Ďď	Ď)(<u> </u>	T.S.	PS][]	FAMP	FACP	⊗			1 000		Ζ (τ		AP#	4	▼ Ic	•	CATV]		\$ 5	\$ [V4	₩ [V2	→	∯ _{0S}	\$ _T	9	↔ 4	4 5 3	\$ 2	↔	
SPEAKER	MOTORIZED DAMPER	WALL MOUNT - VERIFY HEIGHT	UNIT HEATER	TRANSFORMER	Y WITH AUXILIARY	O NOTED TO BE SUPPLIED W	FAN FORCED ELECTRIC HEATER, SIZED AS INDICATED	OVE FINISHED FLOOR	ADD THE TREE TO THE TREE TREE TO THE TREE TREE TREE TREE TREE TREE TREE	SECURITY SYSTEM MOTION DETECTOR		N EMEDOENOY LICHTING FIVILIBE BATTERY AND EVIT	EMERGENCY LIGHTING BATTERY AND TAG NUMBER		-	CUPANCY SENSOR	MOONIED SIRIT FLOORESCENI LIGHTING FIXTORE, LETTER DENOTES THE	JUNCTION BOX	DIRECT CONNECTION TO EQUIPMENT AS INDICATED.	CEILING MOUNTED LIGHTING FIXTURES ON NIGHT LIGHTING CIRCUIT	WALL MOUNTED LIGHTING FIXTURES		CEILING MOUNTED LIGHTING FIXTURES	FIRE ALARM HORN/STROBE	FIRE ALARM STROBE	אבאזמי טיטובש איאיטאב דטבר	FIRF ALARM SYSTEM MANUAL PULL STATION.	FIRE ALARM CONNECTION TO SPRINKLER SUPERVISED VALVE	FIRE ALARM CONNECTION TO SPRINKLER FLOW SWITCH.	SPRINKLER PRESSURE SWITCH FIRE ALARM ZONE LINE	NETIC MOTOR STARTE	FIRE ALARM MONITORING PANEL	ALARM CONTROL PANEL	, COME	EILING MOUI	ALARM HEAT DETECTOR, CEILING MOUNTED	DOOR BUZZER PUSH BUTTON	ER DOOR OPERATOR PUSH E	MICROPHONE OUTLET C/W 16mm CONDUIT	NATION DATA/TELEPHONE OUTLET C/W 21mm CONDUIT	POINT I	ATA OUTLET C/W 21mm CONDUIT	C/W 21mm CONDUIT	ANALOG TELEPHONE OUTLET C/W 21mm CONDUIT. (RED PHONE) TO BE INSTALLED AT 1200mm A.F.F.	OUTLET C/W 21mm CONDUIT	DISCONNECT SWITCH) – RECESSEI	PANELBOARD — SURFACE MOUNTED	FOUR BUTTON LIGHT SWITCH, WATT STOPPER LMSW-10	THREE BUTTON LIGHT SWITCH, WATT STOPPER	ONE BUTTON LIGHT SWITCH, WATT STOPPER LMSW-1	OCCUPANCY SENSOR SWITCH	TIMER SWITCH	SWITCH	PERA	I – C	POLE SWITCH	15A, 125V SINGLE POLE SWITCH	LEGEND OF SYMBOLS

a	MOTOR CONNECTION (SINGLE PHASE)
<u>م</u> '	MOTOR CONNECTION (THREE PHASE)
	MOUNTED DATA/TEL OF
DO E	OUTLET FOR SECURITY DOOR SIRKE
OHD (EAD DOOR CONTACT
CR &	OUTLET FOR SECURITY HID CARD ACCESS READER
주 [FOR KEYPAD
СВ	FOR SECURITY GLASS E
MS AR	OUTLET FOR SECURITY MOTION SENSOR OUTLET FOR ASSISTANCE REQUIRED BUTTON
, A	NCE F
	"OCCUPIED" LIGHT
ERS	FOR
CCTV	OUTLET FOR CLOSED CIRCUIT SECURITY CAMERA
	A/V MICROPHONE
BD FM	BELL DEMARCATION POINT
⊗ ₂	CEILING MOUNT PIR OCCUPANCY SENSOR, WATT STOPPER LMPC-100
&	CEILING MOUNT ULTRA SONIC TECHNOLOGY OCCUPANCY SENSOR, WATT STOPPER LMUC-100.
T & 4	WALL CORNER MOUNT DUAL TECH OCCUPANCY SENSOR, WATT STOPPER LMDX-100
% % 5	WALL MOUNT DUAL TECH OCCUPANCY SENSOR, WATT STOPPER LMDX-102.
	WALL MOUNT PIR OCCUPANCY SENSOR, WATT STOPPER PW-100
	DAY LIGHT SENSOR DIGITAL ROOM CONTROLLER WITH SINGLE RELAY WATT STOPPER LMRC-101
RC2	ROOM CONTROLLER WITH TWO RELAYS, WATT STOPPER LI
LM1	DIGITAL ON/OFF/0-10V DIMMING ROOM CONTROLLERS WITH ONE RELAY, WATT STOPPER LMRC-211
LM2	DIGITAL ON/OFF/0-10V DIMMING ROOM CONTROLLERS WITH TWO RELAYS, WATT STOPPER LMRC-212
LM3	
DLM	DLM8 RELAY PANEL FOR DIGITAL LIGHTING CONTROLS COMPLETE WITH WEATHERPROOF ENCLOSURE
₽ ⊜	15A/125V DUPLEX "U" GROUND RECEPTACLE WALL MOUNTED
€.	120V DUPLEX RECEPTACLE MO
#	120V T-SLOT DUPLEX RECEPTACLE
⊕ .	RECEPTACLE WITH SEPARATE NEUTRAL AN VE COUNTER
ਛੋ	120V ISOLATED GF PER CIRCUIT
위 (120V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE.
⊖ ; ∈	RECEPTACLE MOUNTED ABOVE COUNTER
⊕	TAMPER RESISTANT RECEPTACLE
$oldsymbol{\Phi}_{ m sc}$	ED EMS SHORE CORD ASSEMBLIES.
USB M ™	120V DOUBL
÷⊖	120V SINGLE RECEPT.
) e	SDECIAL RECEPTACIE AS INDICATED
	OUTLET FOR SECURITY SIREN/ALARM HORN
₩ GFI	20A, 120V, T—SLOT, 1 PHASE, GROUNDED "DOUBLE" DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE MOUNTED.
\$ _{SPC}	SPEED CONTROL FOR FAN
•	AUTOMATIC DOOR OPERATOR PUSH BUTTON
□ CATV	CABLE T.V. OUTLET

							A		
4	8 ₹₽	EXIT	EXIT	,500,	זג	EM2,EM3	A EM	SYMBOL	<u> </u>
	DUAL REMOTE HEAD, 12V DC, 5W, MR16 LED, WEATHERPROOF, NEMA 4X.	NEW EXTRUDED ALUMINUM SELF POWERED PICTOGRAM "RUNNING MAN" EXIT SIGN, SINGLE FACE, WALL OR CEILING MOUNT AS INDICATED, ARROWS AS INDICATED, LED LAMPS FOR 120VAC, CSA-22.2 NO.141-10 LISTED AND CERTIFIED, C/W NICAD BATTERY AND BRUSHED ALUMINUM HOUSING.	NEW EXTRUDED ALUMINUM SELF POWERED PICTOGRAM "RUNNING MAN" EXIT SIGN, DOUBLE FACE, WALL OR CEILING MOUNT AS INDICATED, ARROWS AS INDICATED, LED LAMPS FOR 120VAC, CSA-22.2 NO.141-10 LISTED AND CERTIFIED, C/W NICAD BATTERY AND BRUSHED ALUMINUM HOUSING.	DUAL REMOTE HEAD, 12VDC, 5W, MR16 LED	SINGLE REMOTE HEAD, 12VDC, 5W, MR16 LED	NEW EMERGENCY LIGHTING BATTERY PACK, 100 WATTS, 12VDC, 10 YEAR	NEW EMERGENCY LIGHTING BATTERY PACK, 100 WATTS, 12VDC, 10 YEAR C/W TWO 5W MR16 LED HEADS	DESCRIPTION	EMERGENCY LIGHTING &
	LUMACELL OR APPROVED EQUAL	LUMACELL OR APPROVED EQUAL	LUMACELL OR APPROVED EQUAL	LUMACELL OR APPROVED EQUAL	LUMACELL OR APPROVED EQUAL	LUMACELL OR APPROVED EQUAL	LUMACELL OR APPROVED EQUAL	MANUFACTURER	EXIT SCH
	MQM2NX LD9	LA1WS	LA2WS	MQM2LD9	MQM1LD9	RG12S100	RG12S100/LD9	MODEL No.	HEDULE
1						4	1. PF	GENEF	

LECTRICAL DRAWING LIST

1 LEGEND, SCHEDULES AND DRAWING LIST

2 ELECTRICAL SITE PLAN AND DETAILS

3 ELECTRICAL SITE PLAN DETAILS (ALECTRA)

4 POWER AND SYSTEMS PLAN AND DETAILS

5 SECURITY PLAN LEGEND AND DETAILS

6 LIGHTING PLAN AND DETAILS

7 FIRE ALARM PLAN AND DETAILS

8 PANEL SCHEDULES AND SINGLE LINE DIAGRAM

9 LIGHTING CONTROL SCHEMATICS

10 ELECTRICAL SITE PLAN DETAILS (ALECTRA)

11 ELECTRICAL SITE PLAN DETAILS (ALECTRA)

12 LIGHT STUDY

4' LED UNDER CABINET DIMMABLE L WATTS, 466 LUMENS, 3000-3500K POWER SUPPLY.
MABLE LINEAR LIGHT BAR, 9.7 -3500K CCT, 12V DC C/W WEATHER RESISTANT, 7 RATED LED FIXTURE, 9130 120V, STAINLESS STEEL
_ → ≤
130

<u> </u>	<u> </u>	
4	⊳	
	-	GEN
FOR FIXTURE	PROVIDE ONE	IERAL NOT
RE	ONE	<u>S3</u>
INTEGRATED SENSORS.	FSIR-100 PROGRAMMING	
	RE	

LEGEND, SCHEDULES AND DRAWING LIST

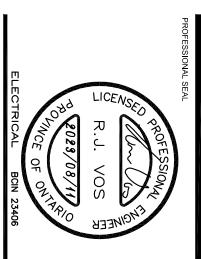
As indicated

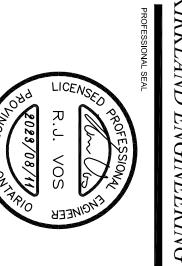
DESIGN

6691

E1

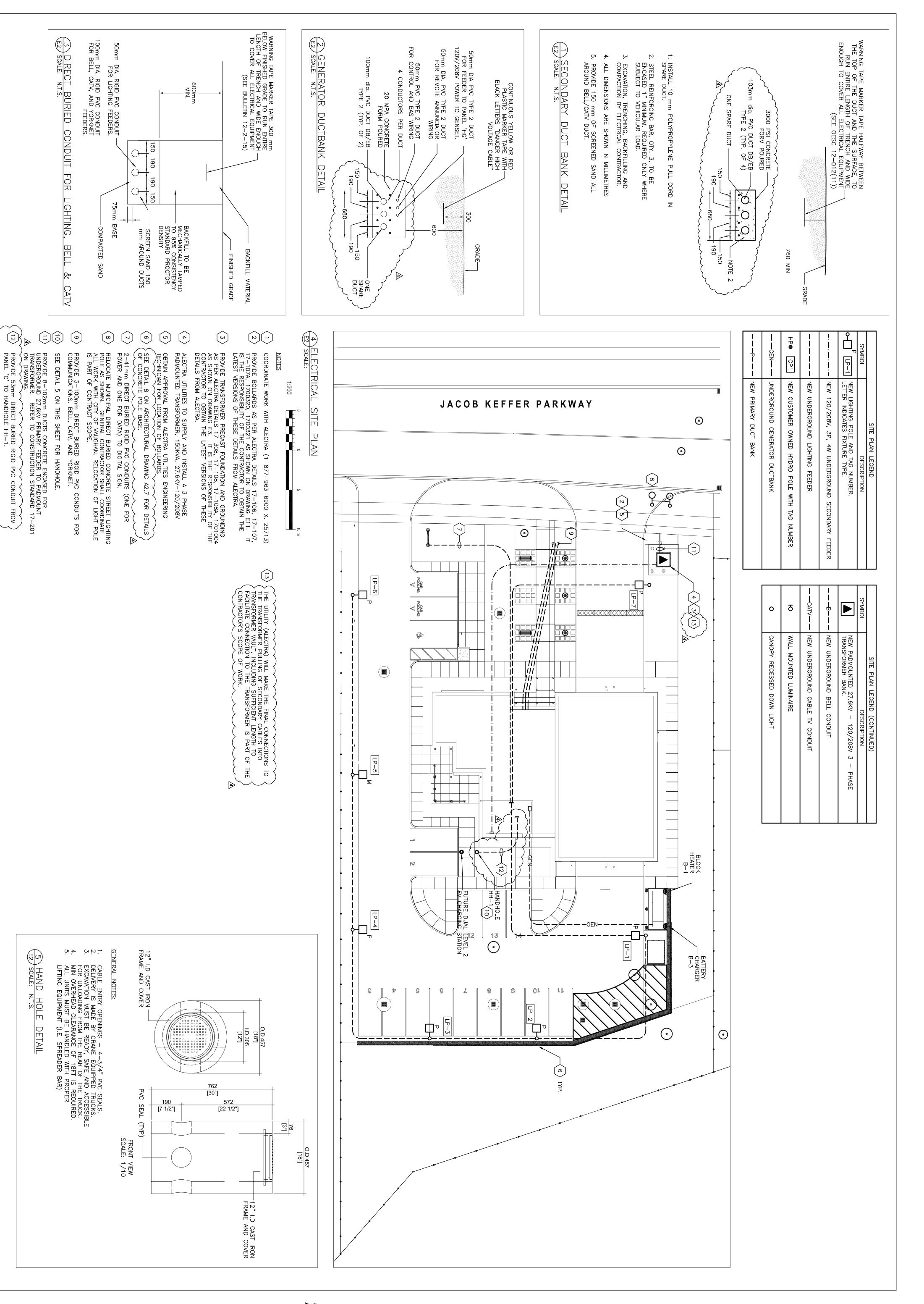
AUGUST 2020

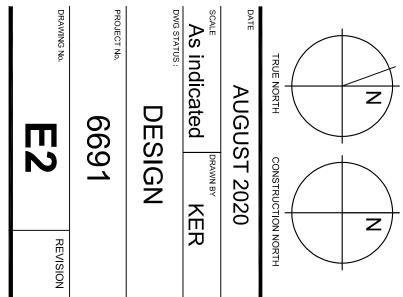


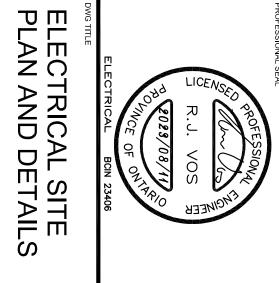




YORK REGION PRS #32





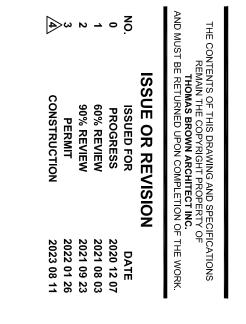


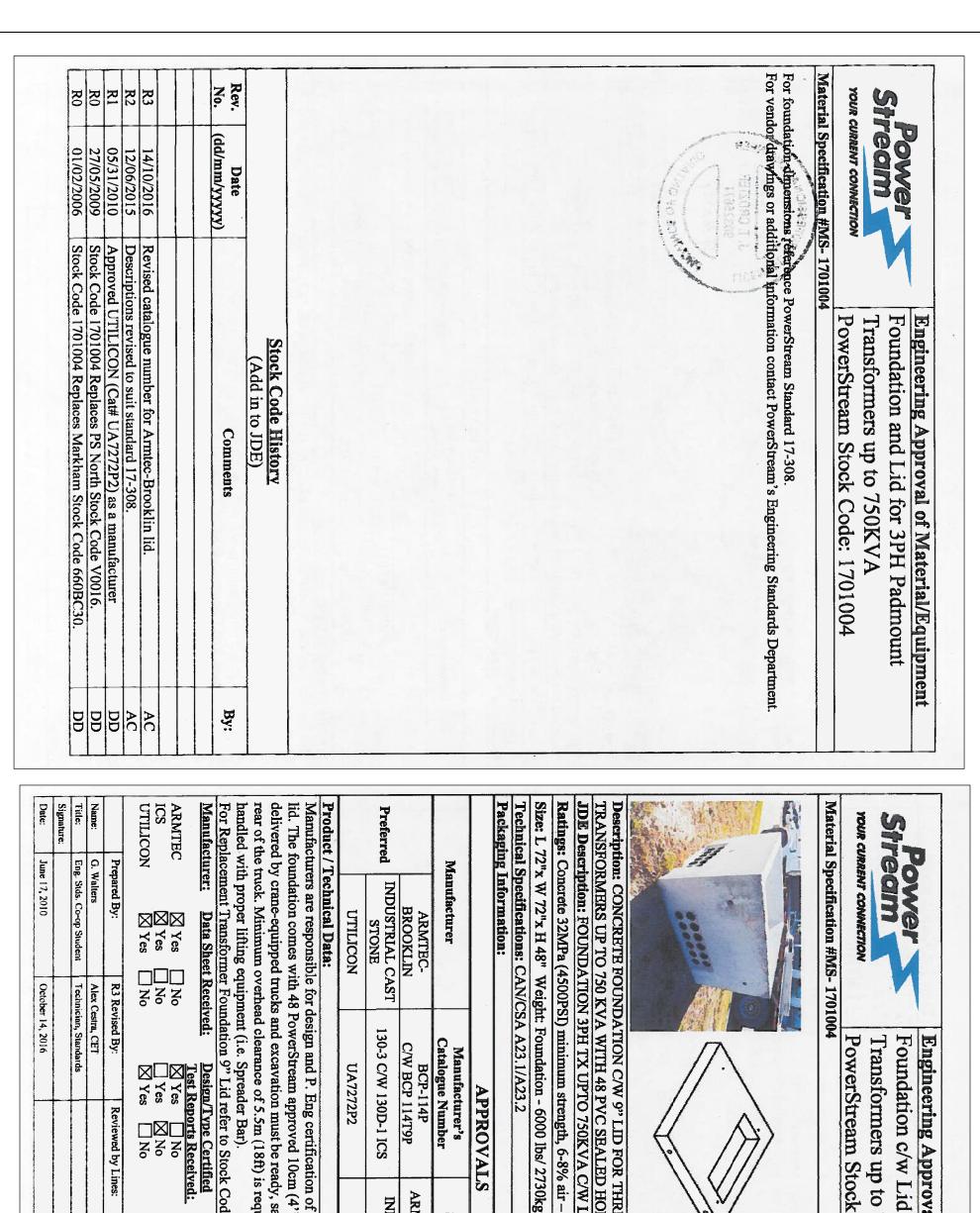




PROJECT:







Manufacturer's
Catalogue Number
BCP-114P
C/W BCP 114T9P

INDUSTRIAL CAST STONE

UTILICON

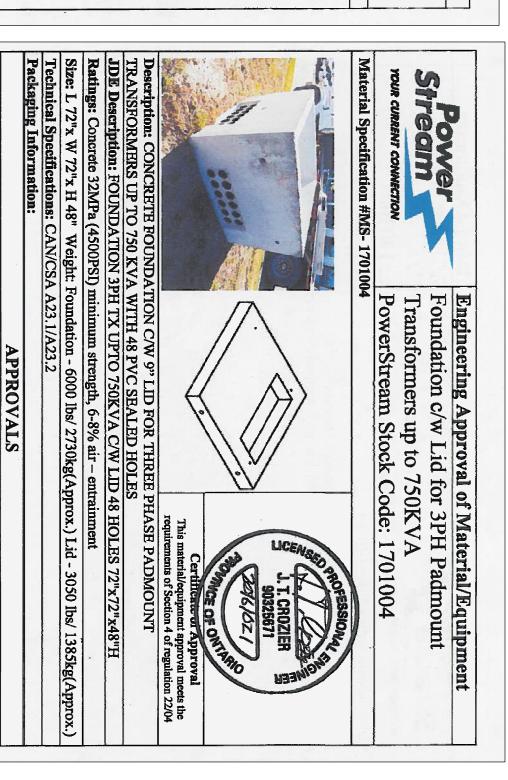
05/31/2010

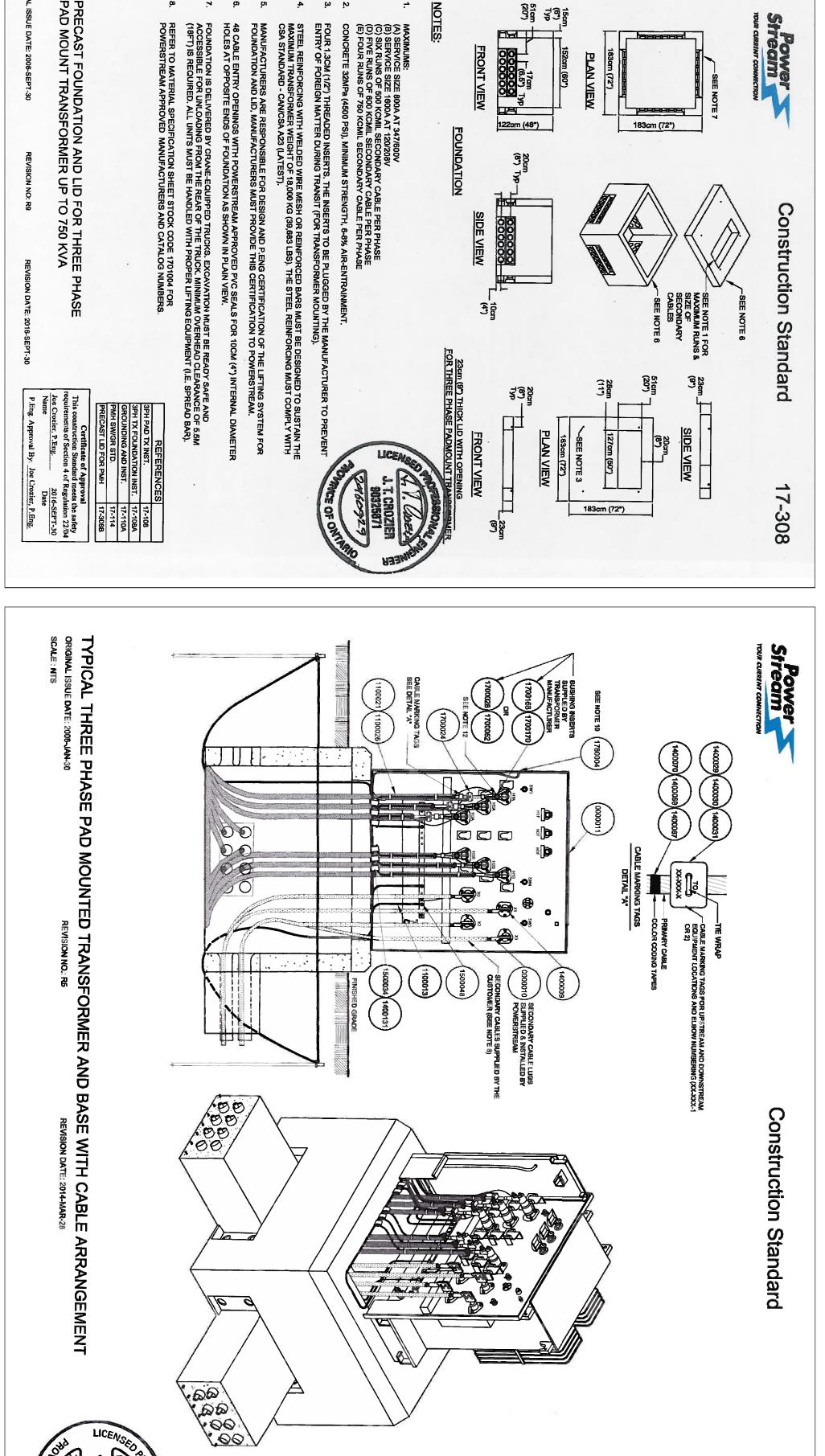
18/01/2006

RMTEC-BROOKLIN

13/10/2016

\$ \$ \$ □□□





NOTES:

17cm (6.5") Typ

122cm (48")

20cm (8") Typ-

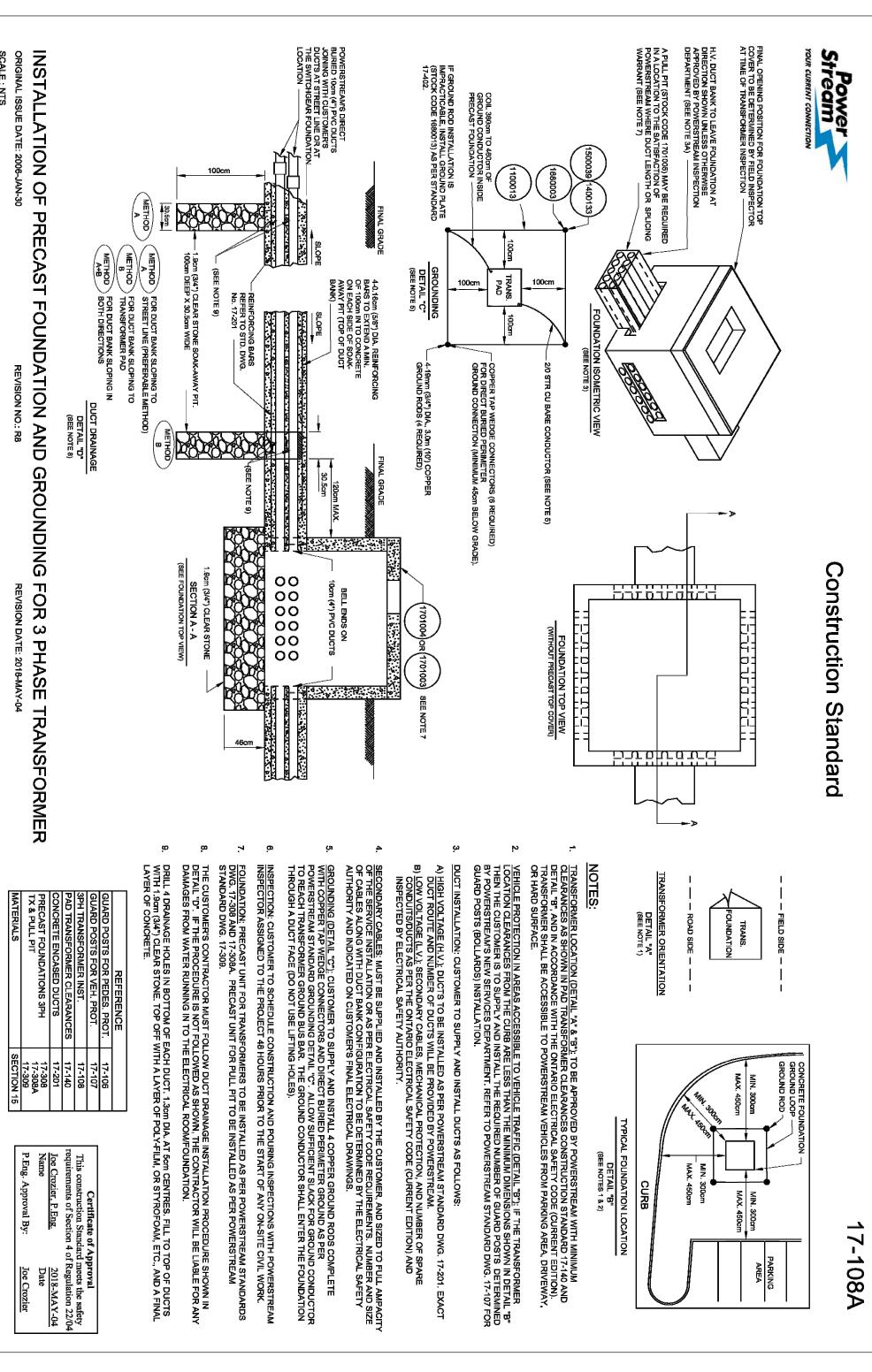
152cm (60")

183cm (72")

FRONT VIEW

FOUNDATION

Stream CONNECTION



ELECTRICAL SITE PLAN DETAILS (ALECTRA)

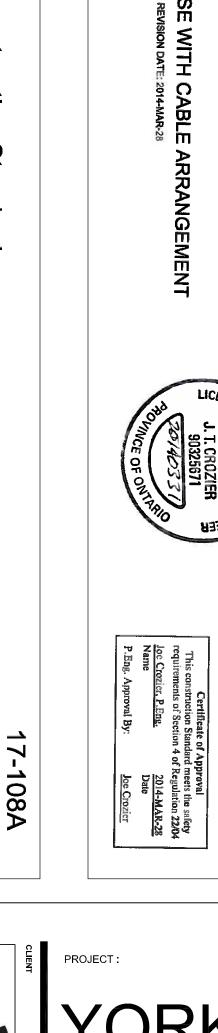
Z

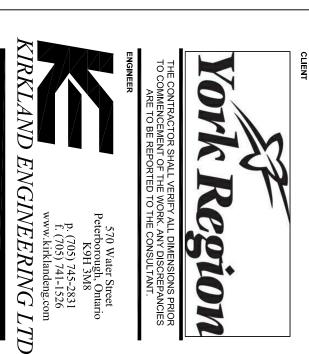
As indicated

DESIGN

6691

AUGUST 2020





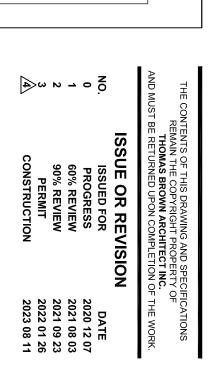
YORK REGION PRS #32

JSHING CAPS (STOCK CODES 1700165 FOR 27.6/16KV OR 1700021 FOR 1.8/8.0KV AND LESS) AND FEEDTHROUGH ELBOWS (STOCK CODES 1700177 DR 27.6/16KV OR 1700186 FOR 13.8/8.0KV AND LESS) MAY BE REQUIRED DR TEMPORARY INSTALLATIONS.

E OXIDE INHIBITOR STOCK CODE 1400078 FOR AL TO AL/CU ELECTRICAL NNECTIONS. FOR CU TO CU ELECTRICAL CONNECTIONS USE OXIDE INHIDICK CODE 1400376.

OPTIC CABLE TO BE INSTALLED FROM THE FAULT INDICATORS AND RAPPED ALONG THE PRIMARY CABLE CONCENTRIC NEUTRAL WIRES TO THE HOLD.

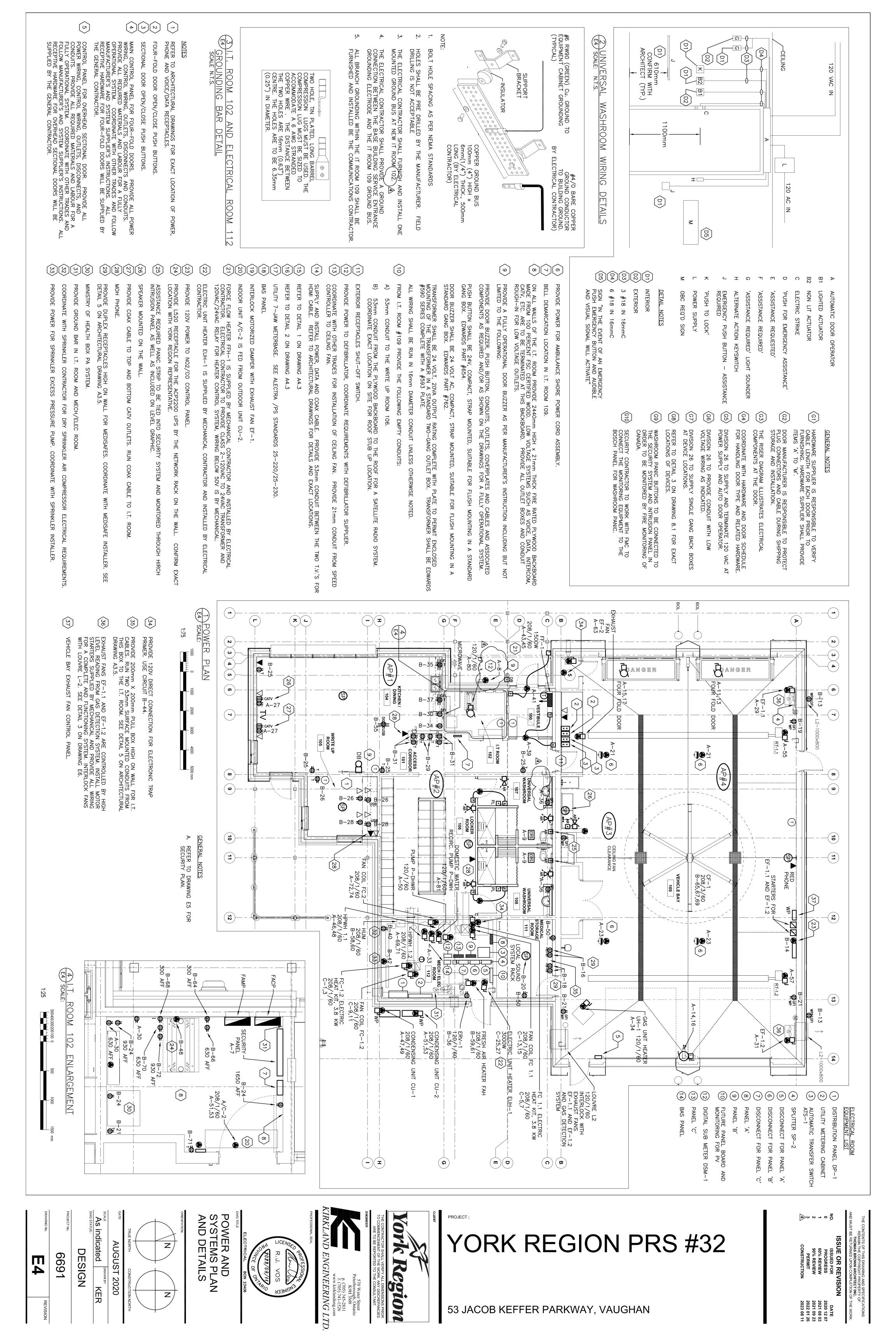
IG OF PRIMARY CABLES SHALL BE

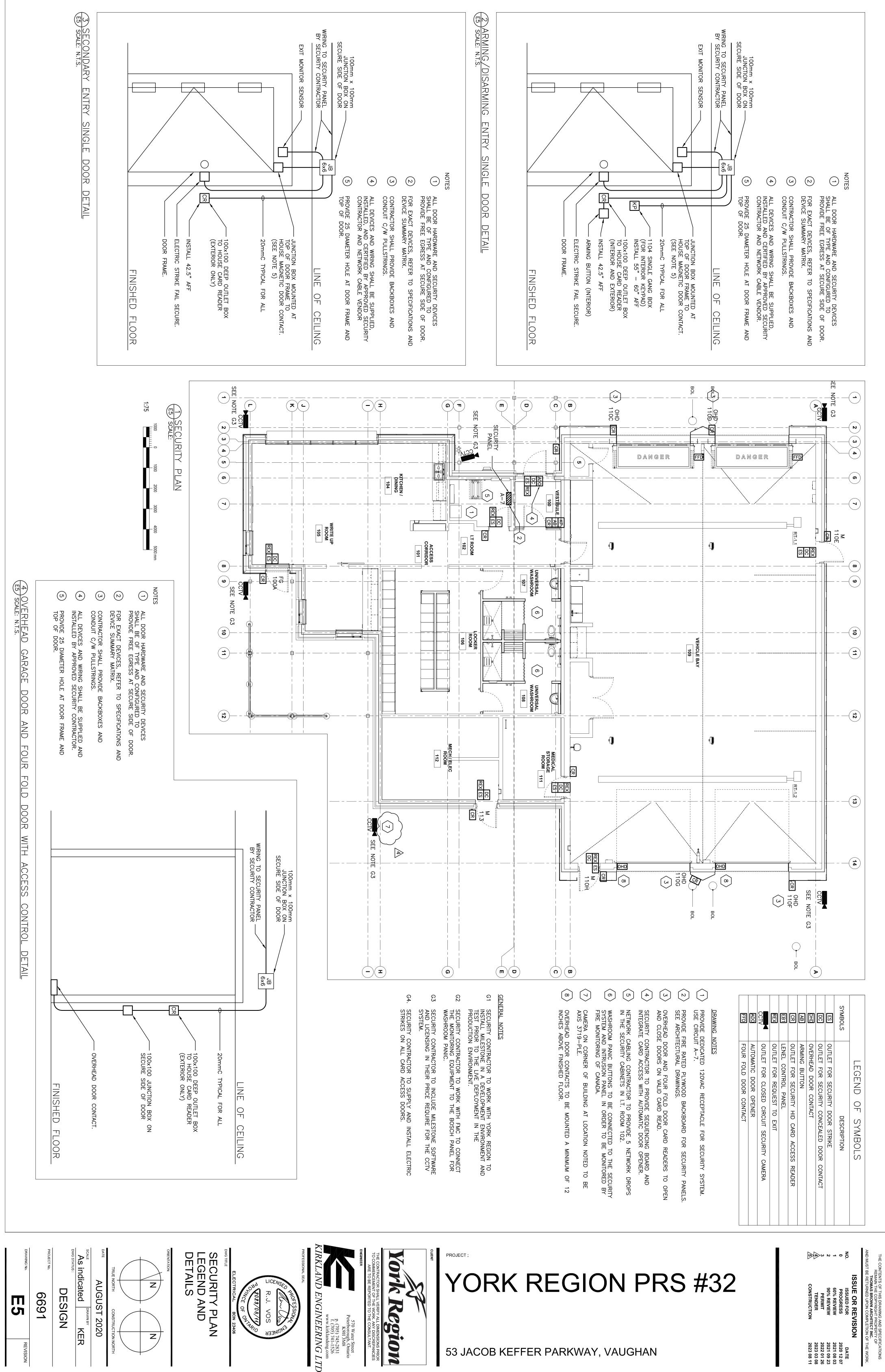


17-108

RADIAL SUPPLY ARRANGEMENT, DELETE THREE LOAD BREAK ELBOWS ADD THREE ELBOW SURGE ARRESTERS IN THE BILL OF MATERIALS TABLE 1 BELOW FOR STOCK CODES). INSTALL ELBOW ARRESTERS ON SED H1A, H2A & H3A OR H1B, H2B & H3B BUSHINGS.

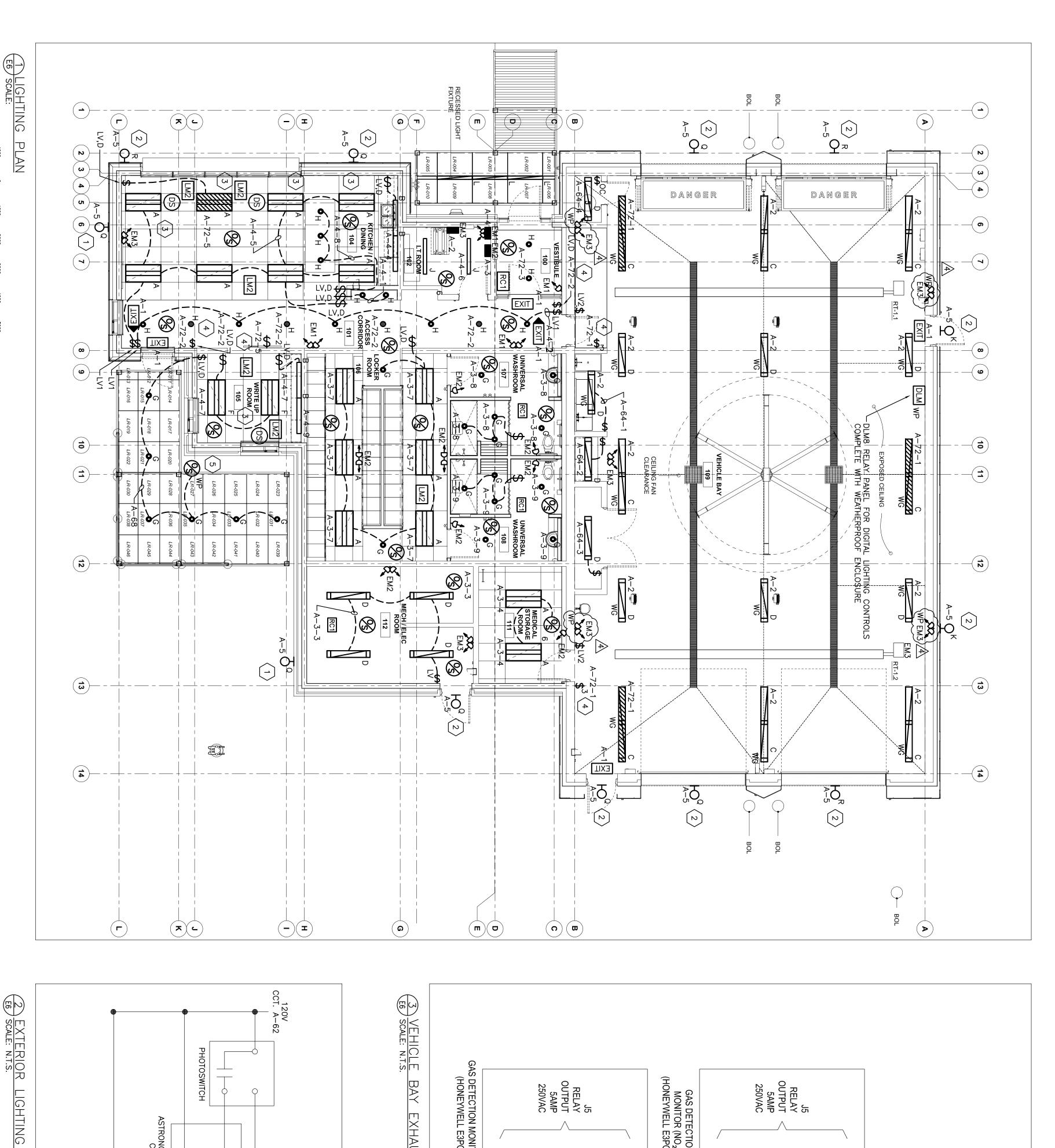
RRESTERS MUST BE INSTALLED AT THE OPEN POINT IN THE LOOP 3 THREE PARKING STAND SURGE ARRESTERS AND THREE ELBOW RRESTERS FOR H1A, H2A & H3A OR H1B, H2B & H3B BUSHINGS LE 1 FOR STOCK CODES).

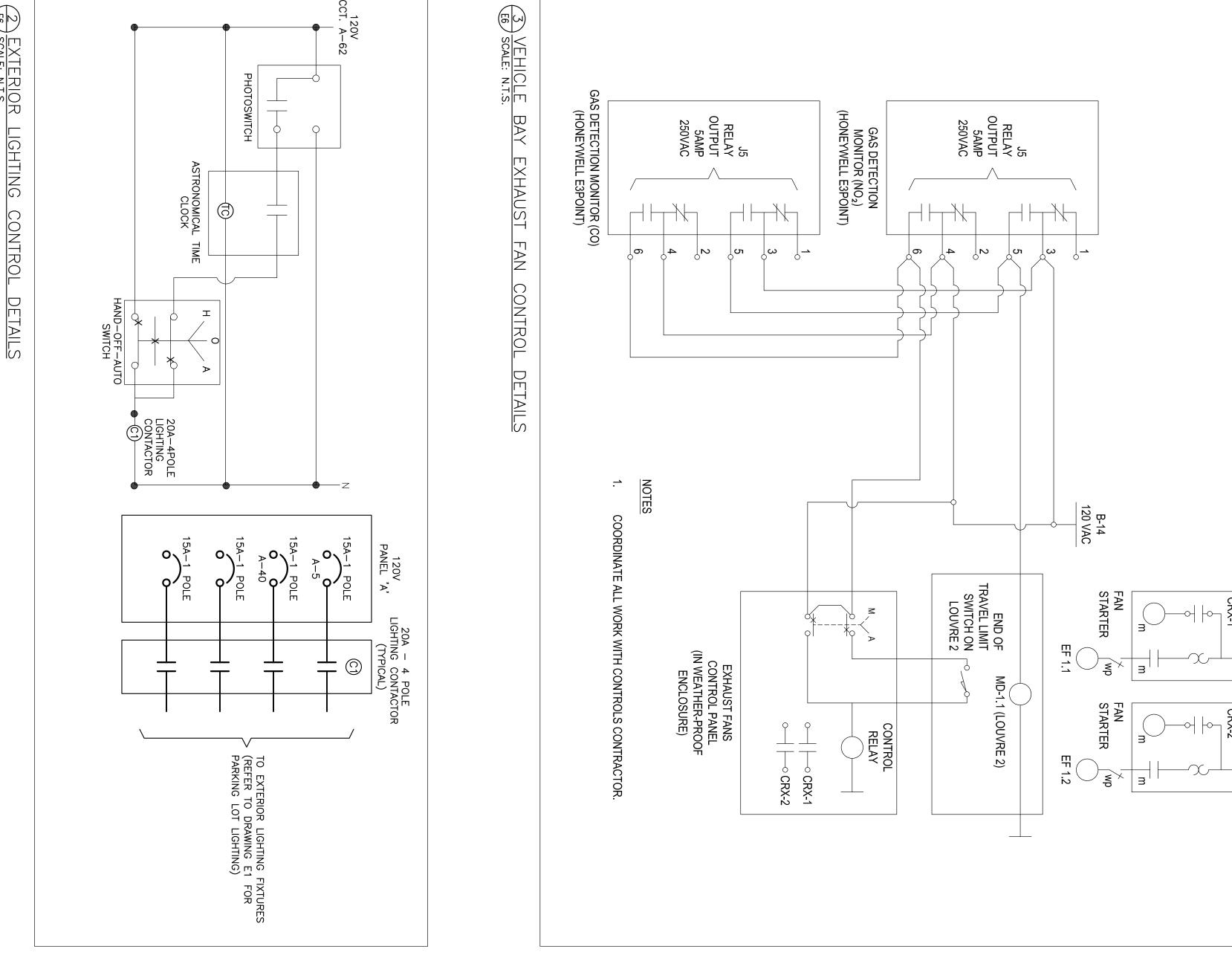




ISSUE OR REVISION
ISSUED FOR
PROGRESS
60% REVIEW
90% REVIEW
PERMIT

Z





 \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc PATIO LIGHTS SHALL BE TURNED ON SWITCH AND OFF BY OCCUPANCY SEI HAS BEEN DETECTED FOR A TIME OF MINUTES. FIXTURES INDICATED WHICH ARE NEXT TO WINDOWS SHALL BE CONTROLLED BY DAYLIGHT SENSOR. MOUNTING HEIGHT 3.8m MOUNTING HEIGHT 3.1m SWITCH FOR NIGHT LIGHTING CIRCUIT. DRAWING NOTES

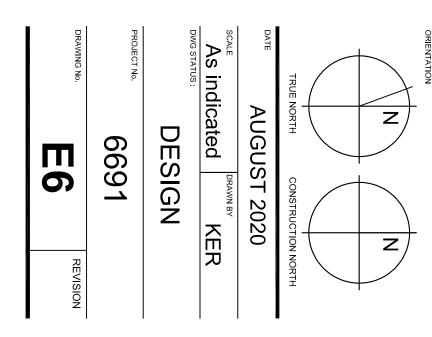
A-29

A-31

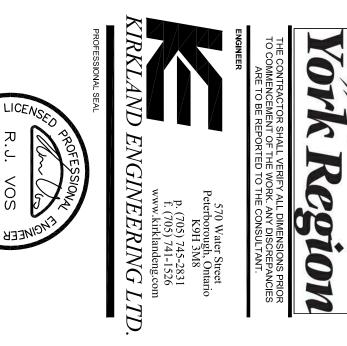
⋋

REFER TO DRAWING E5 FOR SECURITY PLAN.

GENERAL NOTES





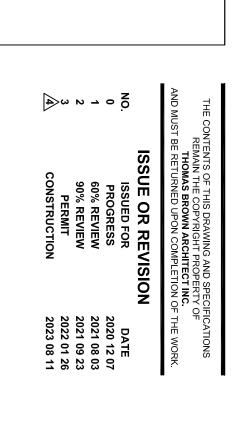


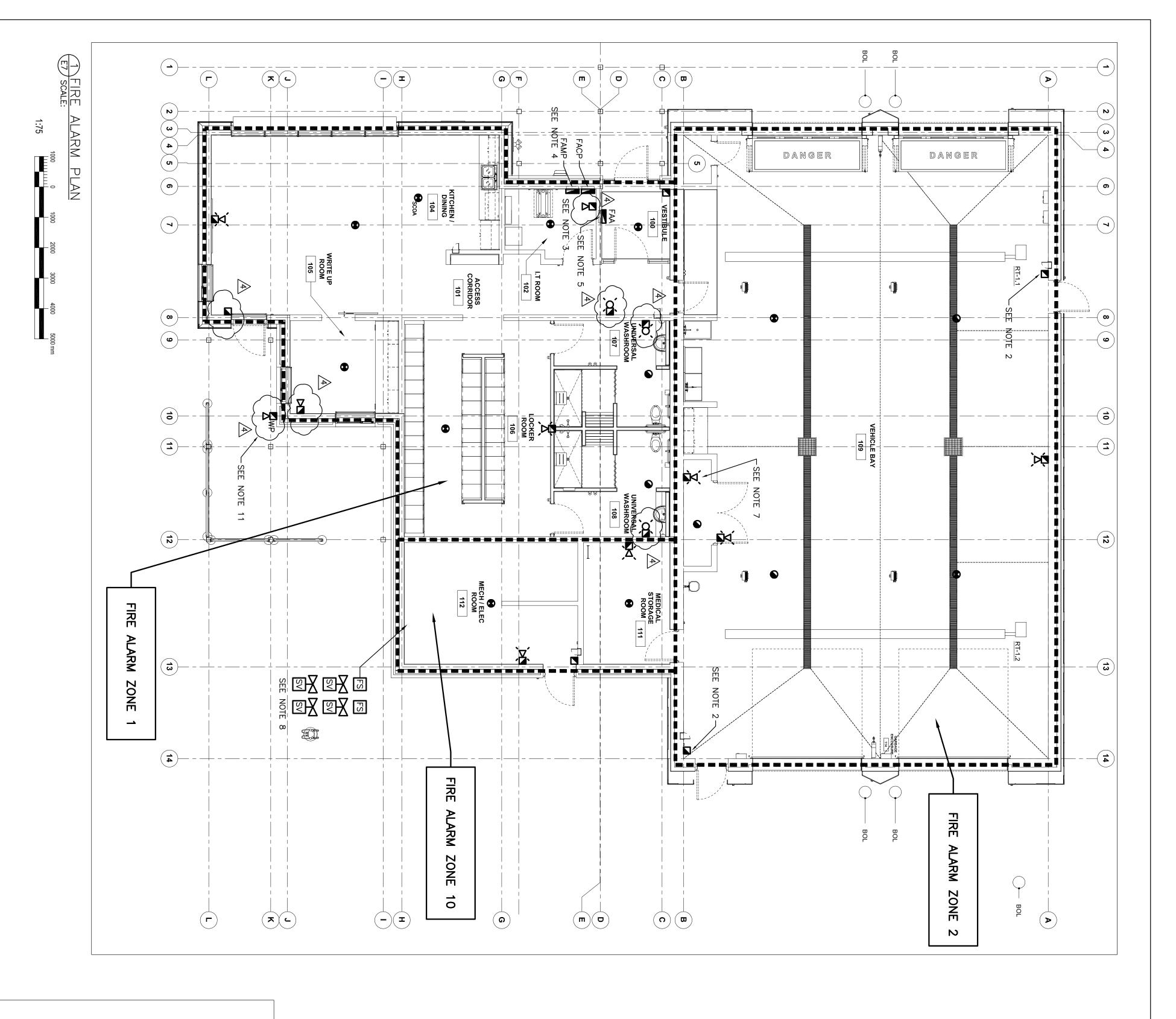


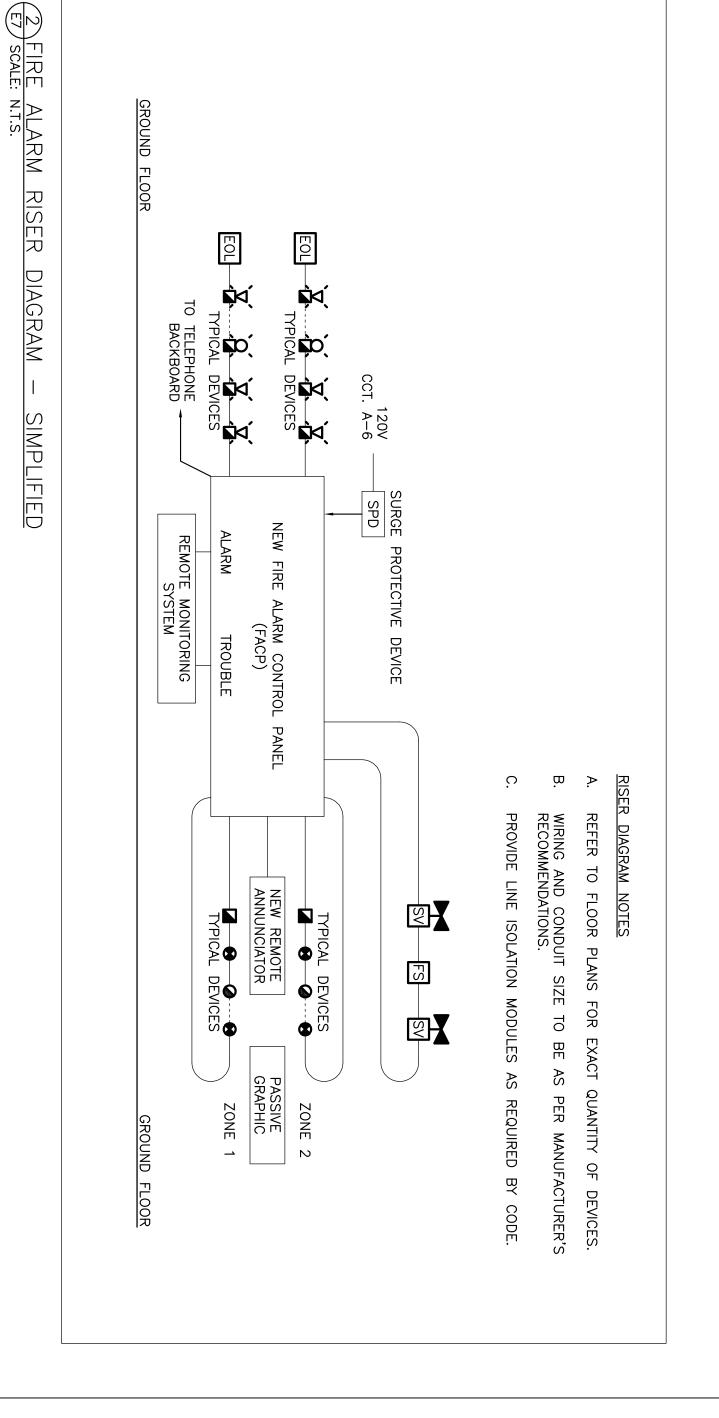
PROJECT:

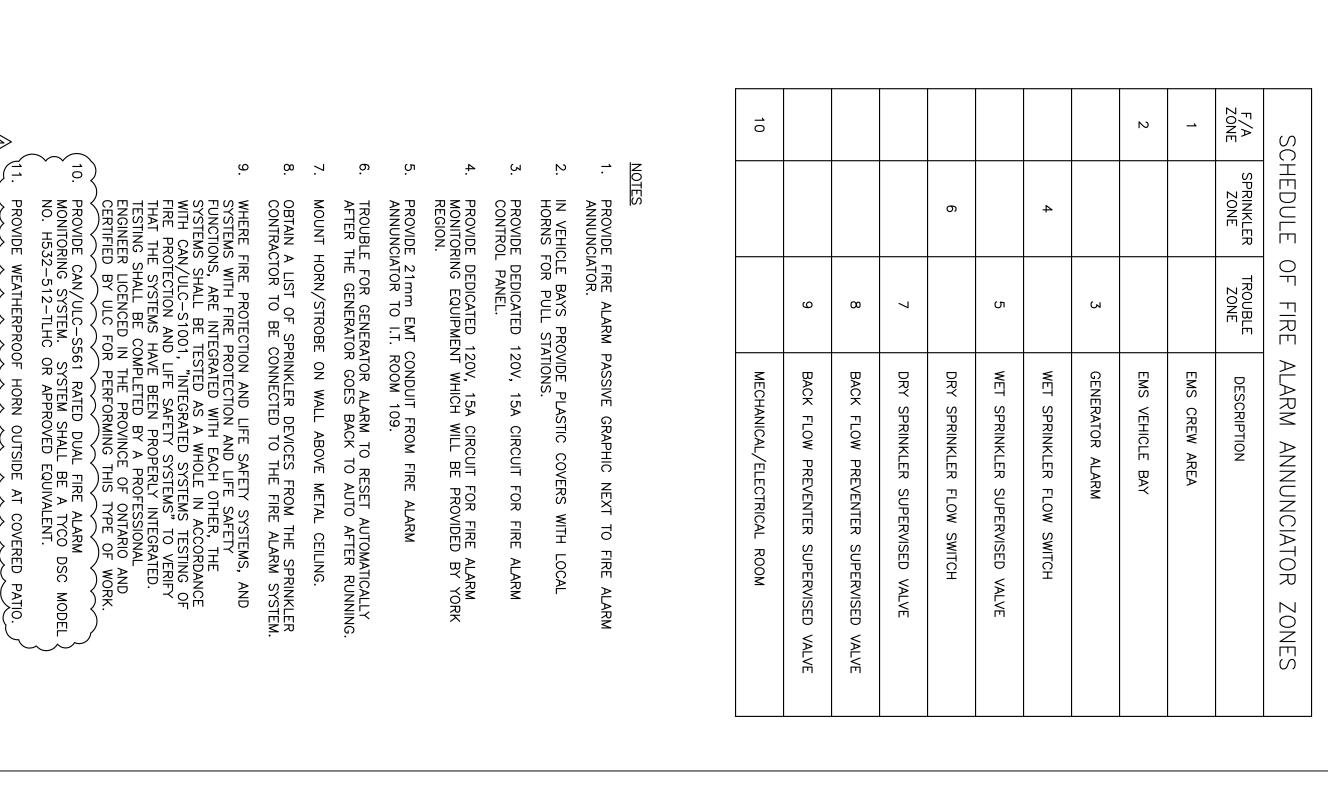


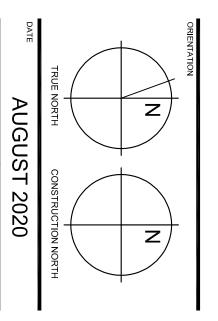
53 JACOB KEFFER PARKWAY, VAUGHAN





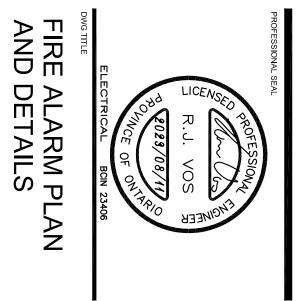






DESIGN

6691





PROJECT:

YORK REGION PRS #32

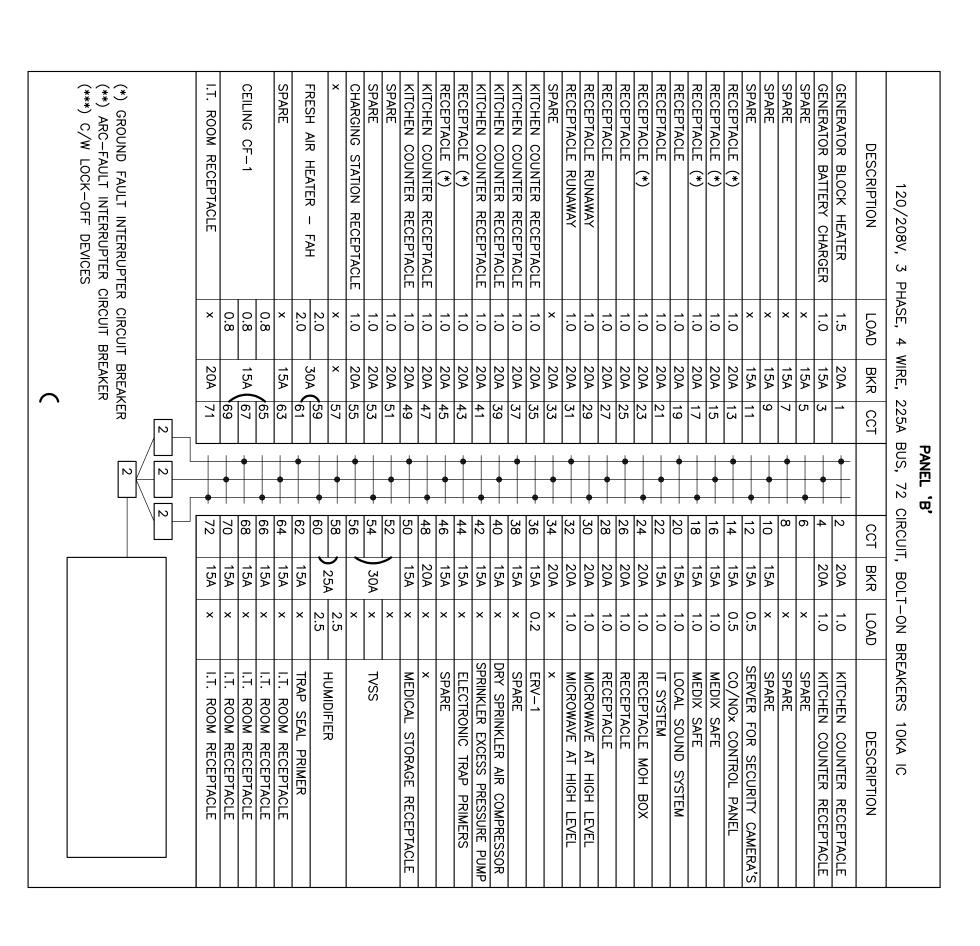
THE CONTENTS OF THIS DRAWING AND SPECIFICATIONS REMAIN THE COPYRIGHT PROPERTY OF THOMAS BROWN ARCHITECT INC.

AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

ISSUED FOR PROGRESS 2020 12 07 1 60% REVIEW 2021 08 03 2 90% REVIEW 2021 09 23 3 PERMIT 2022 01 26 TENDER CONSTRUCTION 2023 03 08 11

PANEL SCHEDULES

SCALE N.T.S.



12U/2UQV, 3 FFM	PHASE, 4 V	¥	225A I	BUS, /2 C	CIRCUIT,	, ROLI	CN	BREAKERS 10KA IC
DESCRIPTION	LOAD	BKR	CCT		CCT	BKR	LOAD	DESCRIPTION
EMERGENCY LIGHT/EXIT (***)	0.2	15A	_	+	2	15A	×	LIGHTING
	0.4		3	+	4	15A	×	
	0.5		5	+	6	15A	×	انتا
SYSTEM (**	0.2		7	+	00	15A	×	DEFIBRILLATOR (***)
NCY RESPONS	× 4.	lacksquare	9		10)20A	0.6	OVERHEAD DOOR MOTOR
FOUR FOLD DOOR MOTOR	1.4	20A (-	13	•	14	2004	0.6	OVERHEAD DOOR MOTOR
FOUR FOLD DOOR MOTOR	1.4	20A (-	15		2 6	15A	0.6	0
SPARE	0.2	15A	19	•	20	15A	0.3	LOW VOLTAGE SYSTEM
ORE CORD REEL	1.5		21		22	15A	0.3	
CORD REEL	1.5		23	•	24	15A	0.3	LOW VOLTAGE SYSTEM
SHORE CORD REEL REC.	1.5		25	+	26	15A	0.3	
SHORE CORD	1.5		27	•	28	15A	0.3	- 1
EF-1.2 EXHAUST FAN	0.5	15A	31	•	37	15A	×	SPARE
	0.5		33		34	20A	1.3	GAS UNIT HTR UH-1
WOMEN'S W/R DOOR OPERATOR	0.5	15A	35	+	36	20A	0.5	RECEPTACLE (*)
MEN'S W/R DOOR OPERATOR) J	15A	37		38	15A	0.1	BUZZER BOLF LIGHTING
	0.5		41		42	15A	0.5	DIGITAL SIGN
FORCE FLOW HTR. FFH-1	0.75	15A	43		44	15A	0.2	D WINDO
CONDENSING UNIT	3.74	ullet	47	•	48	30A -	2.5	HPWH 1.1
CU-1	3.74	45A (49	•	50	15A	0.1	PUMP DHWR
CONDENSING UNIT	1.14	25A (-	51		52	30A	0.1	TVSS
RADIANT TUBE HTR.	0.13	15A	55	•	56		0.1	
TUBE	0.13		57		58	15A	0.1	FIRE ALARM MONITORING
SPARE	×	15A	59	+	60	15A	×	SPARE
	×		61	•	62	15A	0.2	CONTROL
EXHAUST FAN EF-2	л×	15A	63	•	64	15A	< ×	CEARE CLOSETS
:	1.5	20A (-	67	•	68	15A	× ;	CANOPY LIGHTING
DOMESTIC WATER HEATER	2.5	J VUE	69	•	70	15A	0.5	T.V.
HPWH 1.2	2.5		71	•	72	15A	×	NIGHT LIGHTS
(*) GROUND FAULT INTERRUPTER (**) ARC—FAULT INTERRUPTER CII (***) C/W LOCK—OFF DEVICES	ER CIRCUIT BR	IIT BREAKER BREAKER	ER 17.3	54.79	19.59	54.79 BALAI	54.79 KW, 18 BALANCED 3	152A ON A 3 PHASE, 120/208V SYSTEM
		`						

2 NOTE NOT USED.

3 THE DISTRIBUTION ACCOMMODATE 57.
GENERATOR CAPAC

USED.

IBUTION SYSTEM AS DESIGNED CAN
DATE 57.6 KW OF INVERTER
R CAPACITY IN THE FUTURE.

PROVIDE DIGITAL SUB METER.
SEE SPECIFICATIONS FOR DETAILS.

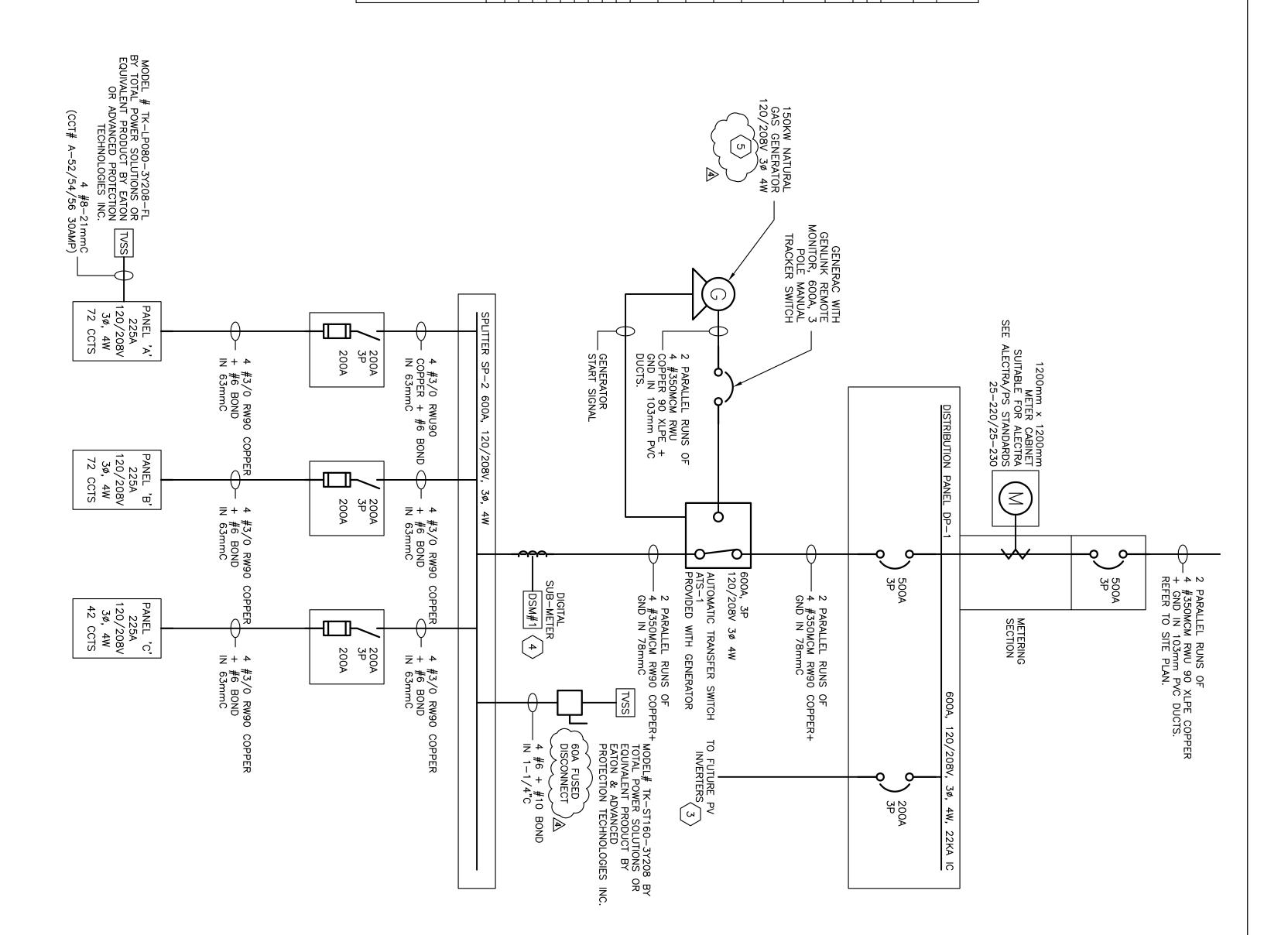
PROVIDE NET
GENERATOR I
DETAILED IN
RULE 10-21

NETWORK CABLE PER ITS SPECIFICATIONS.

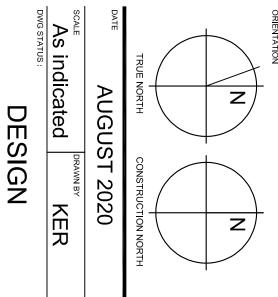
R MUST HAVE A FLOATING NEUTRAL AS
IN ESA BULLETIN 10-10-*. RULE 2-100,

-210.

	(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER (**) ARC—FAULT INTERRUPTER CIRCUIT BREAKER (***) C/W LOCK—OFF DEVICES	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	ELECTRIC UNIT HEATER EUH-1	***************************************	×	FAN COIL FC 1.1		FAN COIL FC 1.2	0010	FAN COIL EC 1 1 FLECTRIC HEAT	FAN COIL FC 1.2 ELECTRIC HEAT	DESCRIPTION	120/208V, 3 PH/
	ER CIRCUIT BREAK	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	*	1.5	; 	×	0.25	0.25	0.25	1.9	1.9	1.9	LOAD	PHASE, 4 V
•	BREA	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×(20A (*	×	15A (15A	1	25A	25A	BKR	WIRE,
<i>,</i> ,	19.45 19.45	58	57	55	53	51	49	47	45	43	41	39	37	35	33	31	29	27	25	21 23	19	17	15	1 1	6	7	ऊ	<u>3</u>	ССТ	225A
	57.6		•	•	+	•	•		•	•	•		+	+	•	•	+	•	•		•			-	•	•	+	+		NEW PANEL BUS, 60 CI
	16.95	60	58	56	54	52	50	48	46	44	42	40	82	36	34	32	30	82	26	22 24	20	18	16	12	10	8	6	2	ССТ	CIRCUIT,
	57.6 KW,	×	×	×	×	×	×	×	×	×	×	ACI) 1 E A	ACI	ノ 1 Ti A	7	17.	7	150) /OA			70A		40A	×	×) 40A	BKR	, BOLT-ON
	16	×	×	×	×	×	×	×	×	×	×	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	5.0	5.0	5.0	5.0	5.5	3.5	×	×	3.5	LOAD	
	160A ON A 3 PHASE, 120/208V SYSTEM	×	×	×	×	×	×	×	×	×	×		FUTURE VEHICLE BAY	FAN COIL #3	FUTURE VEHICLE BAY	FAN COIL #2	FUTURE VEHICLE BAY	FAN COIL #1	FUTURE VEHICLE BAY		FUTURE VEHICLE BAY	CCNDENOEN # -	FUTURE VEHICLE BAY	CHARGING STATION #2			×	ELECTRIC VEHICLE CHARGING STATION #1	DESCRIPTION	BREAKERS 10 KA IC

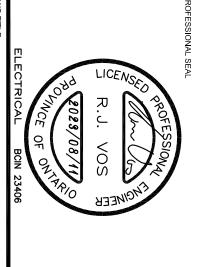


2 SINGLE LINE DIAGRAM E8 SCALE N.T.S.



6691

E C C C PANEL SCHEDULES AND SINGLE LINE DIAGRAM







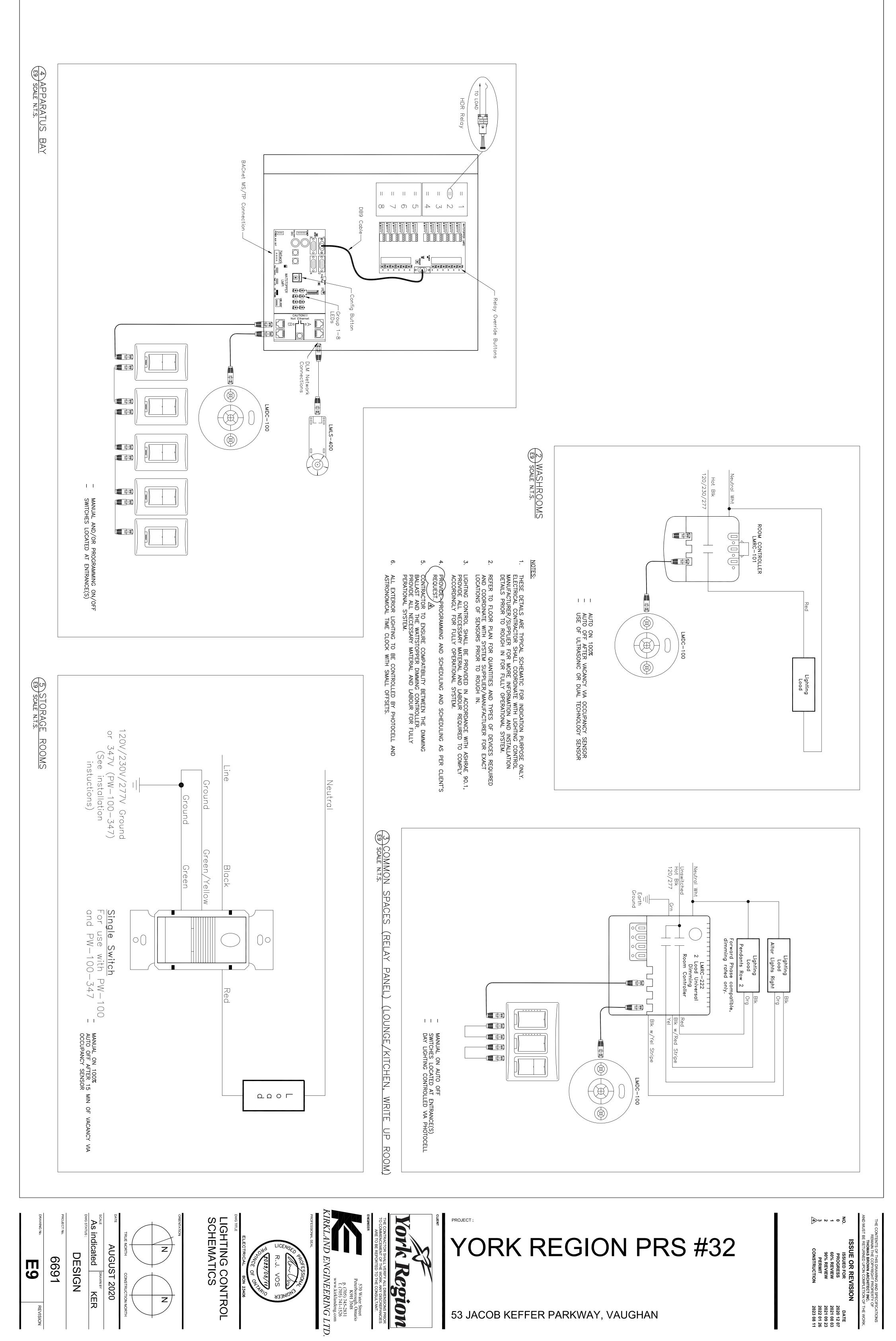
PROJECT:

YORK REGION PRS #32

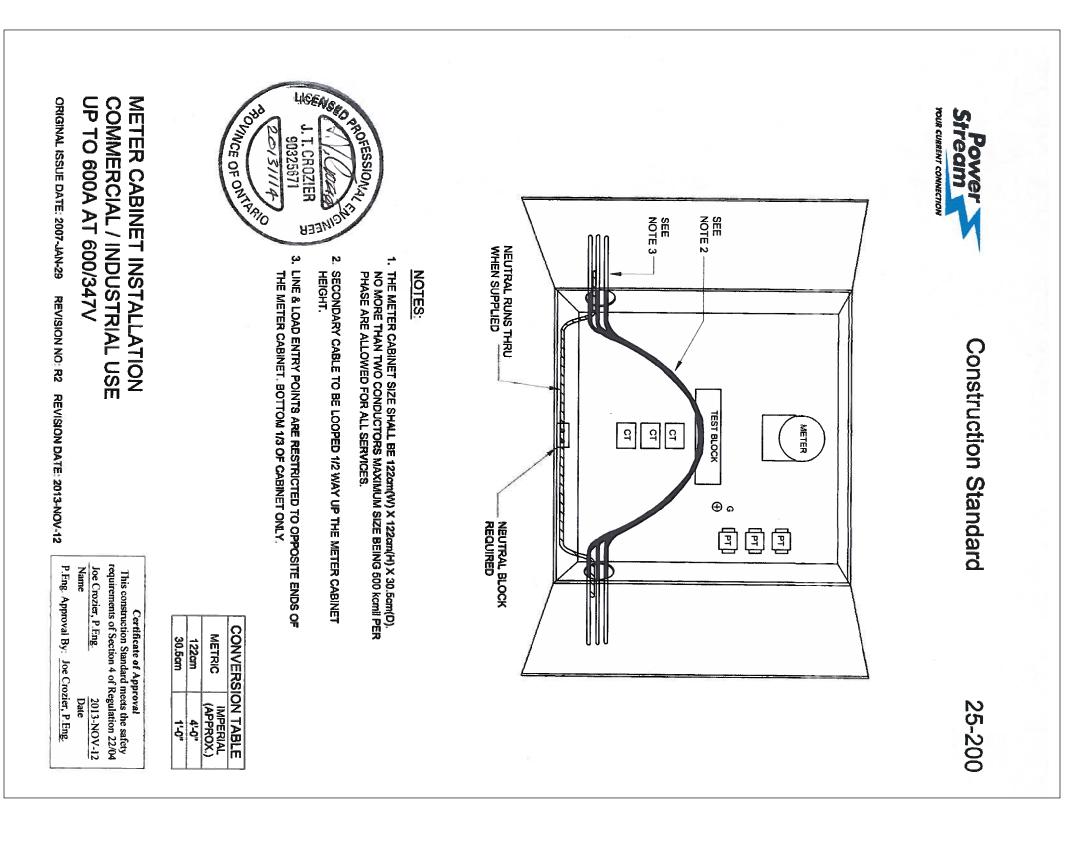
THE CONTENTS OF THIS DRAWING AND SPECIFICATIONS
REMAIN THE COPYRIGHT PROPERTY OF
THOMAS BROWN ARCHITECT INC.
AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

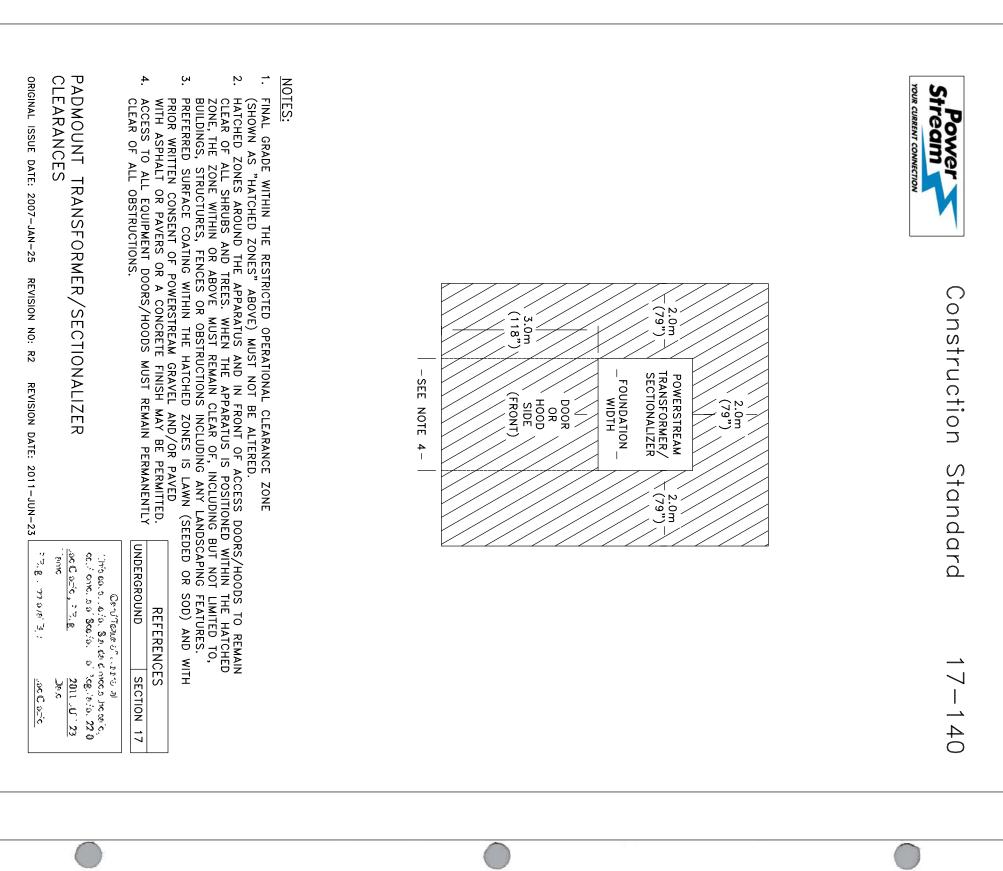
ISSUED FOR REVISION

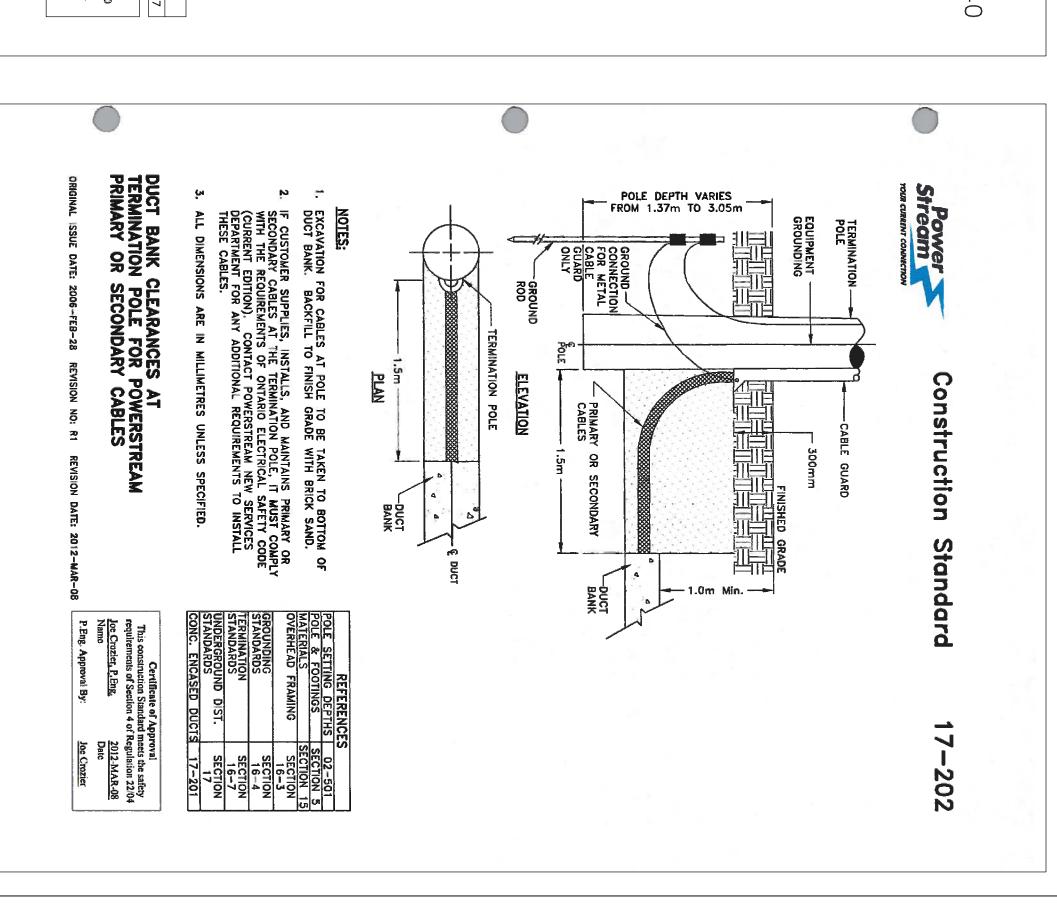
ISSUED FOR 2020 12 07
60% REVIEW 2021 08 03
2 90% REVIEW 2021 09 23
3 PERMIT 2022 01 26
CONSTRUCTION 2023 08 11

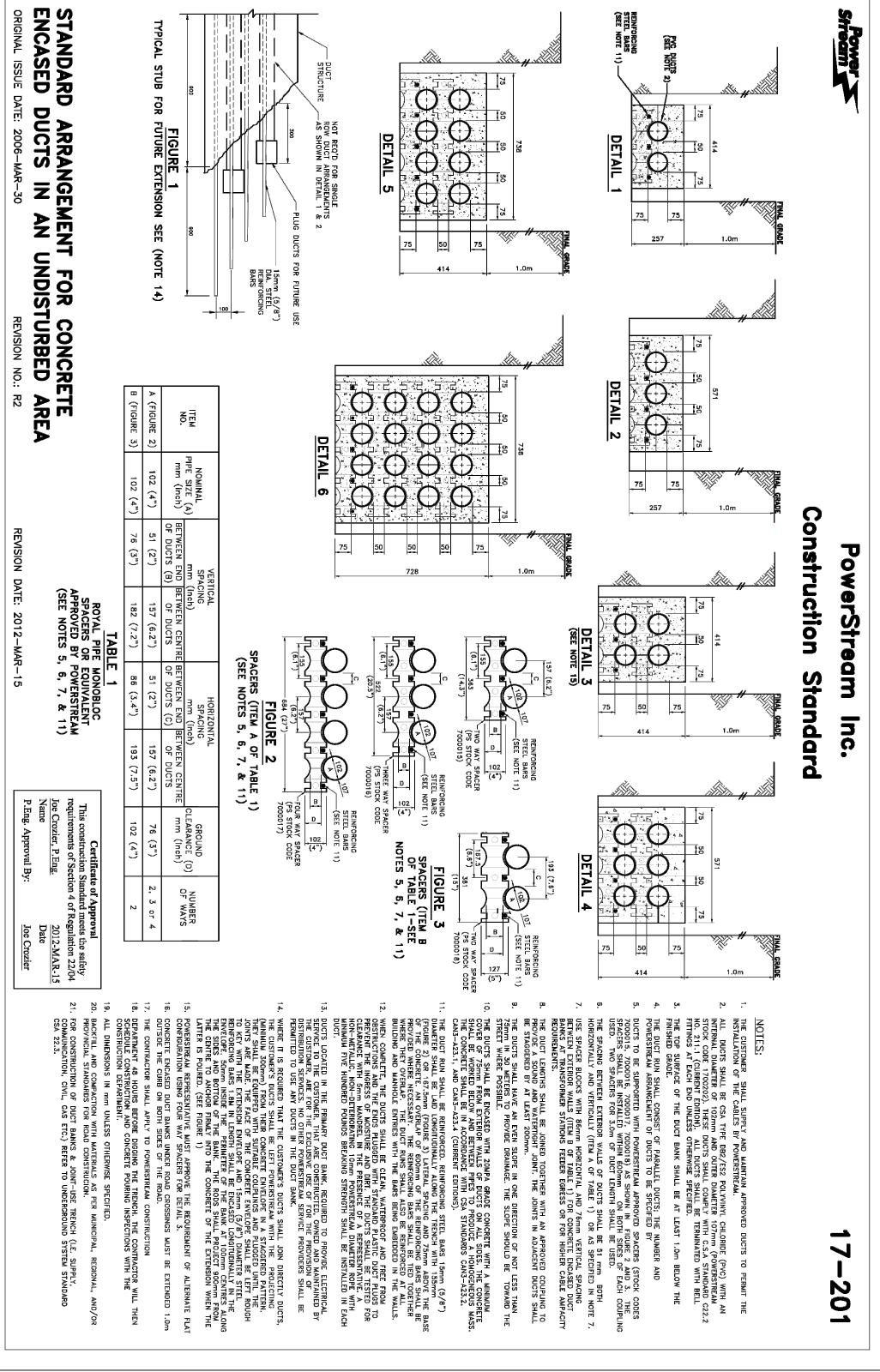


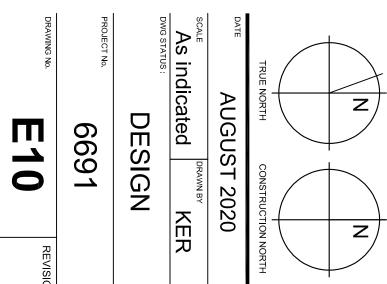
Z

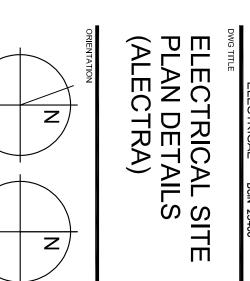


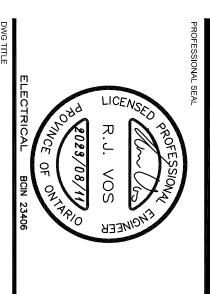










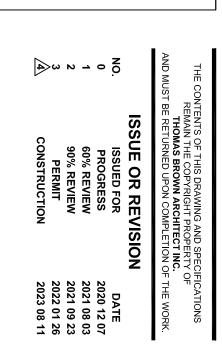


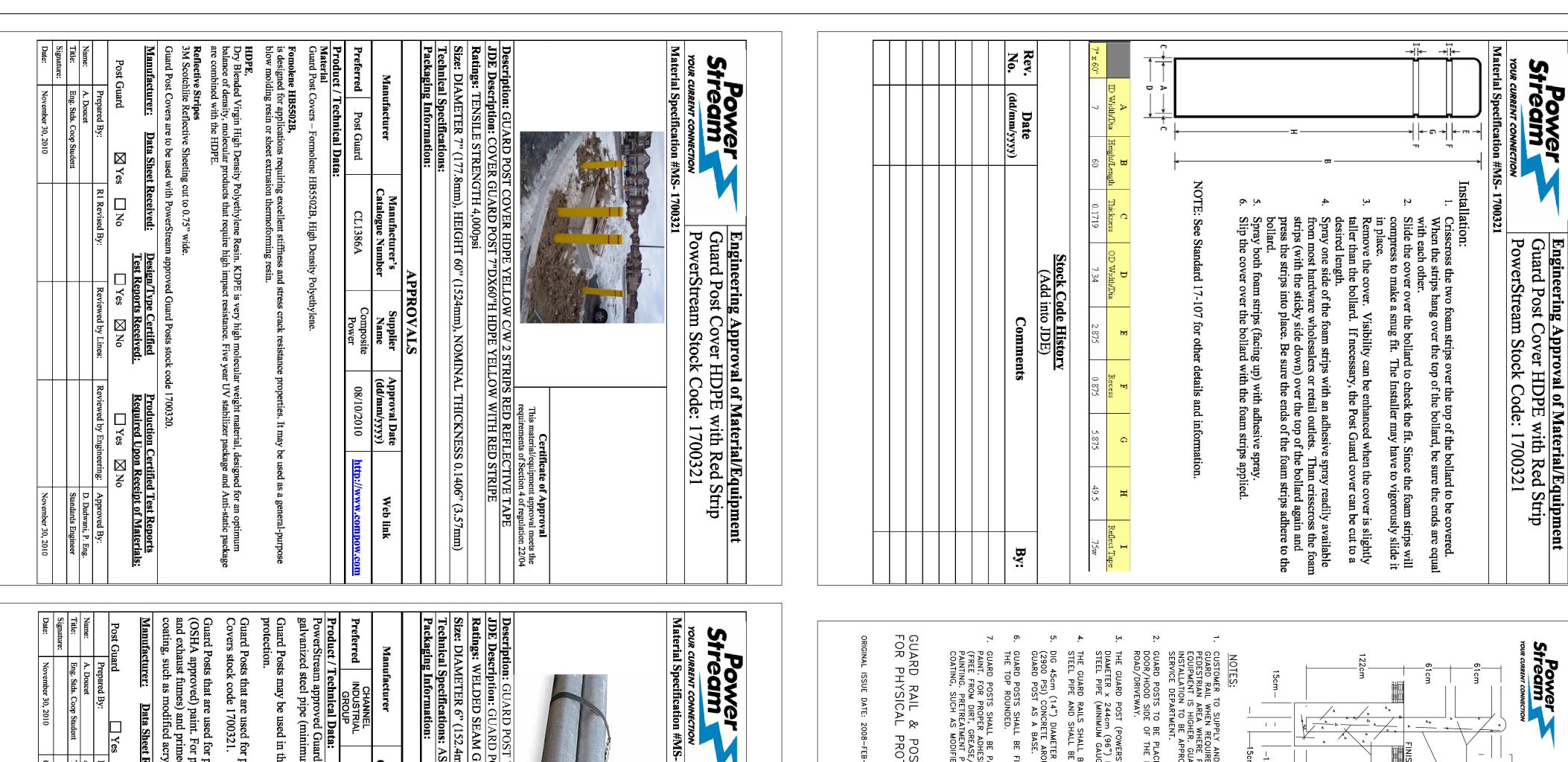


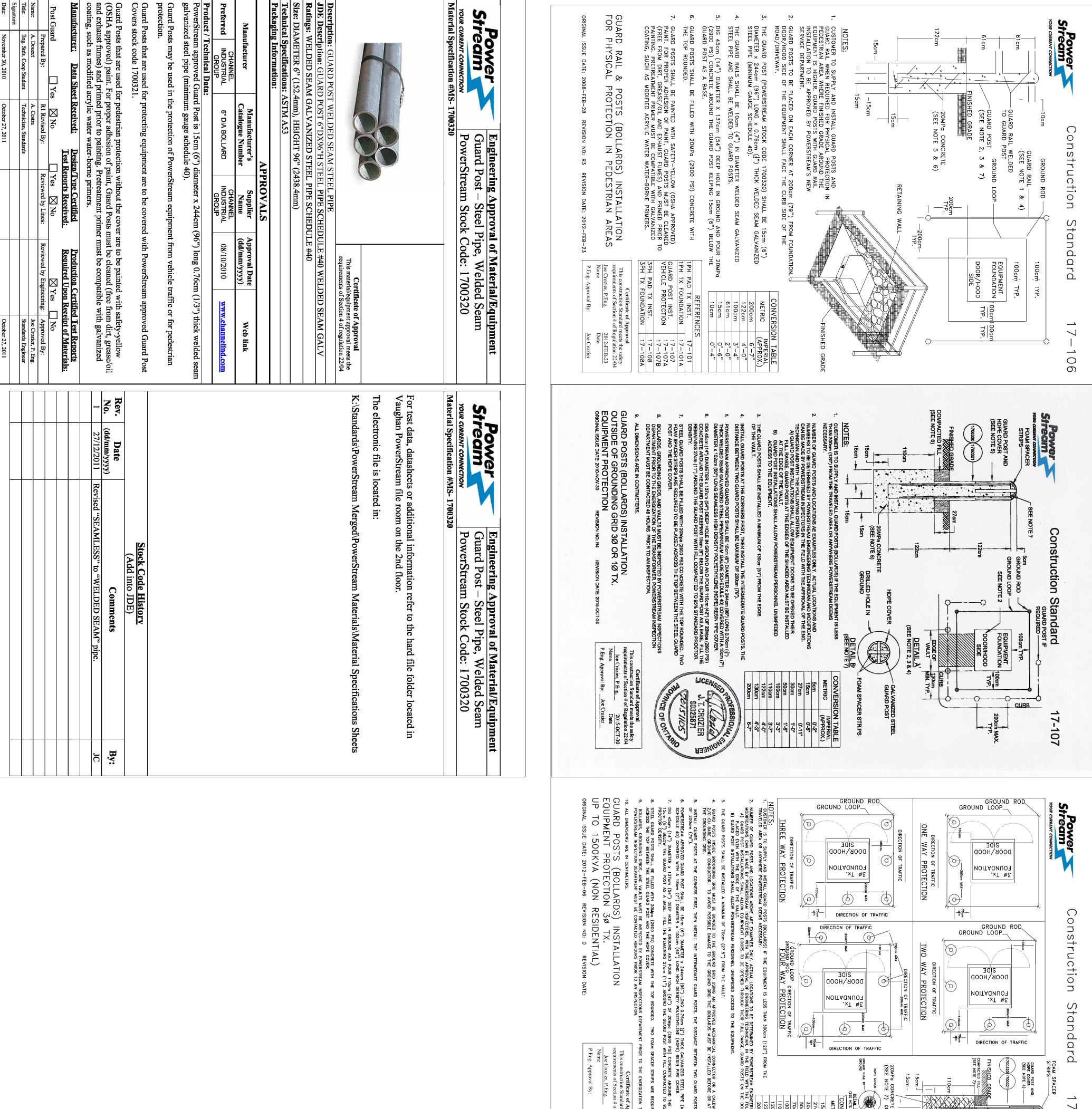


PROJECT:

YORK REGION PRS #32







RESIDENTIAL)
REVISION NO: 0 REVISI

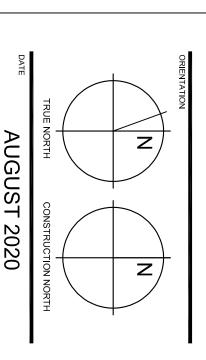
PROJECT:

ork Region

ENGINEERING LTD

570 Water Street Peterborough, Ontaric K9H 3M8 p. (705) 745-2831 f. (705) 741-1526 www.kirklandeng.con

3ø TX.



As indicated

DESIGN

6691

ELECTRICAL SITE PLAN DETAILS (ALECTRA)

YORK REGION PRS #32

WAY PROTECTION

FOUR WAY PROTECTION

ВООВ√НООВ

3ø Tx. FOUNDATION

SIDE оов∕ноор

FOUNDATION

DIRECTION OF TRAFFIC

DIRECTION OF TRAFFIC

(O)

ISSUE OR REVISION
ISSUED FOR
PROGRESS

Construction

Standard

107A SEE NOTE 8

SIDE

роок√ноор

3ø Tx. FOUNDATION

3ø Tx. FOUNDATION

-<u>F</u> 70-

TWO

WAY PROTECTION

OF TRAFFIC

0.76cm $\binom{3}{3}$ ") THICK GALVANIZED STEEL PIPE OLYETHYLENE (HDPE) RESIN PIPE COVER.

OUND THE GUARD POST KEEF TED TO 95% STANDARD