

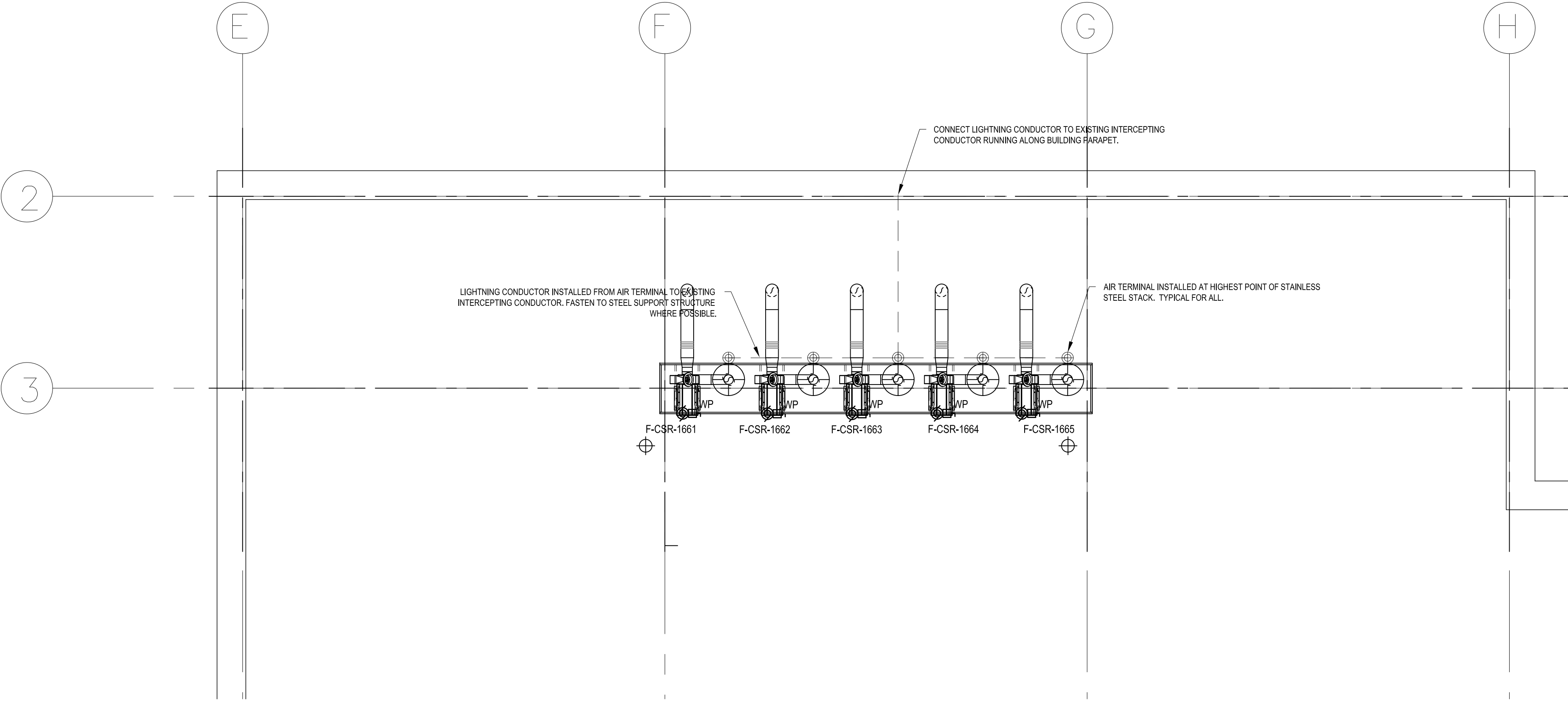
MECHANICAL EQUIPMENT SCHEDULE												
DESIGNATION	DESCRIPTION	LOCATION	KVA/HP	V-PHASE	LOAD	FLA	MCA	SOURCE	BREAKER	FEEDER	LOCAL DISCONNECT	REMARKS
F-CSR-1661	EXHAUST FAN	ROOF	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	RP-BR	1P-15A	2Ø12 + BND	15A W.P.	NOTE 1
F-CSR-1662	EXHAUST FAN	ROOF	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	RP-BR	1P-15A	2Ø12 + BND	15A W.P.	NOTE 1
F-CSR-1663	EXHAUST FAN	ROOF	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	RP-BR	1P-15A	2Ø12 + BND	15A W.P.	NOTE 1
F-CSR-1664	EXHAUST FAN	ROOF	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	RP-BR	1P-15A	2Ø12 + BND	15A W.P.	NOTE 1
F-CSR-1665	EXHAUST FAN	ROOF	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	RP-BR	1P-15A	2Ø12 + BND	15A W.P.	NOTE 1
P-CSR-105	PUMP	MEZZANINE	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	EPP-22A	1P-15A	2Ø12 + BND IN 21mmC	MMP	
P-CSR-106	PUMP	MEZZANINE	0.25 HP	120V-1Ø	0.25hp	5.8	7.50	EPP-22A	1P-15A	2Ø12 + BND IN 21mmC	MMP	
P-CSR-G107	PUMP	MEZZANINE	F.H.P.	120V-1Ø	-	0.7	-	RP-BR	1P-15A	2Ø12 + BND IN 21mmC	5-15R RECEPT.	

- NOTES:
- NEW EXHAUST FANS, F-CSR-1661 TO F-CSR-1665, TO BE SERVICED FROM PANEL RP-BR LOCATED IN BOILER ROOM 2670. RE-USE CIRCUIT SPACES PREVIOUSLY USED FOR ELECTRIC HEATERS. PROVIDE NEW BREAKERS, TURN OVER EXISTING 2-POLE BREAKERS TO OWNER. RE-USE EXISTING CONDUIT WHERE POSSIBLE. EXTEND CONDUIT TO SUIT LOCATION OF EXHAUST FANS.
 - SCHEDULE VALUES ARE PROVIDED TO ALLOW FOR PRICING ONLY. PRIOR TO ORDERING ELECTRICAL EQUIPMENT THE CONTRACTOR IS TO CONFIRM THESE VALUES WITH MECHANICAL SHOP DRAWINGS AND NAMEPLATE VALUES AND MAKE ADJUSTMENTS TO ELECTRICAL CIRCUIT SUPPLY, CONTROL AND PROTECTION AS NECESSARY

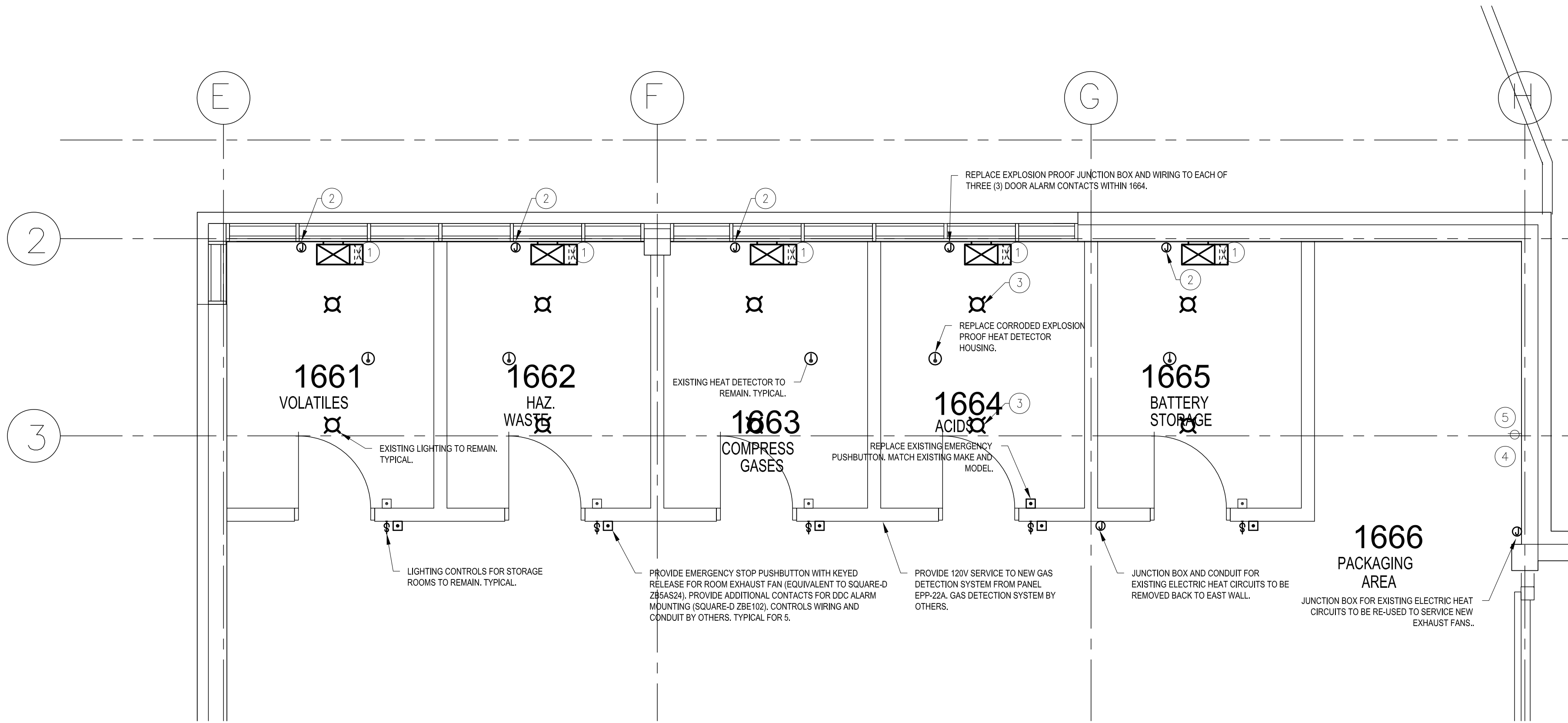
LEGEND	
	LINE VOLTAGE SWITCH
	SURFACE MOUNT LUMINAIRE
	FIRE DETECTOR
	MOTOR CONNECTION C/W DISCONNECT (WP TO DENOTE WEATHER PROOF)
	JUNCTION BOX
	PUSHBUTTON (EMERGENCY HELP BUTTON)
	5-15R RECEPTACLE
	AIR TERMINAL
	LIGHTNING CONDUCTOR

GENERAL NOTES	
1.	LIGHTING FIXTURES WITHIN STORAGE ROOMS TO REMAIN UNLESS NOTED OTHERWISE ON PLANS. (CROUSE-HINDS EV264).
2.	EMERGENCY HELP BUTTONS WITHIN STORAGE ROOMS TO REMAIN UNLESS NOTED OTHERWISE ON PLANS.
3.	FIRE DETECTORS WITHIN STORAGE ROOMS TO REMAIN UNLESS NOTED OTHERWISE ON PLANS.
4.	SHELF GROUNDING BARS AND CLAMPS TO REMAIN.
5.	ALL FITTINGS AND JUNCTION BOXES LOCATED WITHIN STORAGE ROOMS SHALL BE EXPLOSION-PROOF. INSTALLATION METHODS TO CONFORM WITH REQUIREMENTS OF CLASS I ZONE 1 AS OUTLINED IN SECTION 18 OF THE CANADIAN ELECTRICAL CODE.
6.	PANEL CIRCUIT NUMBERS TO BE DETERMINED ONSITE.

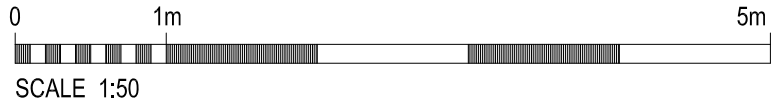
KEYNOTES	
1	REMOVE EXISTING 240V 3KW ELECTRIC HEATER, DEMOLISH ELECTRICAL INFRASTRUCTURE BACK TO COMMON JUNCTION BOX ON EAST WALL OF ROOM 1666. REMOVE WIRING BACK TO SOURCE. ALL WALL PENETRATIONS AND CONDUIT FASTENER LOCATIONS WITHIN ROOM SHALL BE SEALED AND PAINTED.
2	REPLACE GASKET ON EXPLOSION PROOF JUNCTION BOX FOR BLOW-OUT DOOR ALARM CONTACTS.
3	REPLACE CORRODED SCREWS IN LIGHT FIXTURE HOUSING WITH STAINLESS STEEL SCREWS.
4	PROVIDE NEW 120V SERVICE TO PUMPS, P-CSR-105 AND P-CSR-106, FROM PANEL EPP-22A LOCATED IN BOILER ROOM 2670. PROVIDE LOCAL MANUAL MOTOR STARTER, ON/OFF CONTROL FROM DDC.
5	PROVIDE NEW 120V SERVICE TO PUMP, P-CSR-G107, FROM PANEL RP-BR LOCATED IN BOILER ROOM 2670.



2 PARTIAL ROOF PLAN
W-E1
SCALE: 1:50

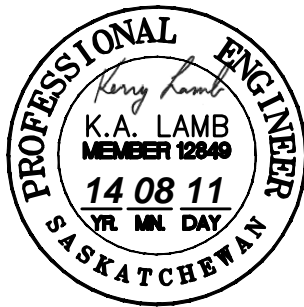


1 PARTIAL MAIN FLOOR PLAN
W-E1
SCALE: 1:50

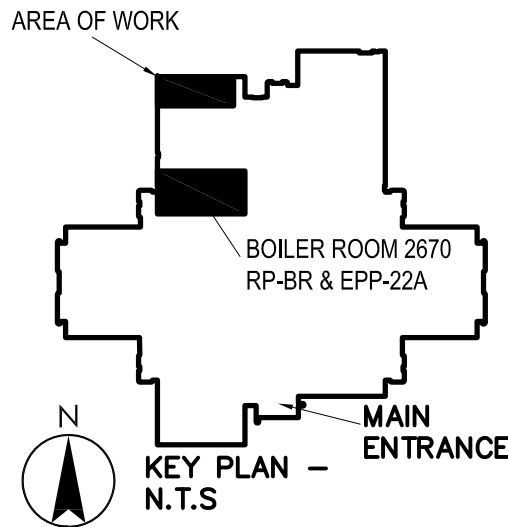


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Association of Professional Engineers & Geoscientists of Saskatchewan	
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ELECTRICAL	12049



1	FOR TENDER	2014.08.19
0	99% REVIEW	2014.06.26

Revision/Revision	Description/Description	Date/Date
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Client/client
Public Works and Government Services Canada

100 - 167 Lombard Avenue
Winnipeg, Manitoba Canada R3C 2Z1

Project title/Titre du projet
**National Hydrology Research Centre
#11 Innovation Blvd
Saskatoon, Saskatchewan S7N 3H5**

**Chemical Room
Acid Storage Retrofit**

Approved by/Approuvé par
RPM-D-EC

Designed by/Concepté par
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STANTEC Consulting Ltd.

PWOSC Project Manager/Administrateur de Projets TP5GC
AM, RPM-D-EC

PWOSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TP5GC

Client/client
TS, RPM-D-EC

Drawing title/Titre du dessin

ELECTRICAL - DEMO & NEW

Project No./No. du projet	Sheet/Feuille	Revision no./ La Revision no.
NHRC-002-J1115	W-E1 OF	1