



LACOMBE RESEARCH FACILITY ABATTOIR RENOVATION

LACOMBE, ALBERTA

STANTEC PROJECT NO.: 115302873

ISSUED FOR TENDER
2016.11.25

CLIENT

**AAFC LACOMBE MEAT RESEARCH FACILITY
AND ABATTOIR**
600 C AND E TRAIL
LACOMBE, ALBERTA

MECHANICAL

STANTEC CONSULTANT LTD.
1100-4900 50TH STREET
RED DEER, ALBERTA T4N 1X7

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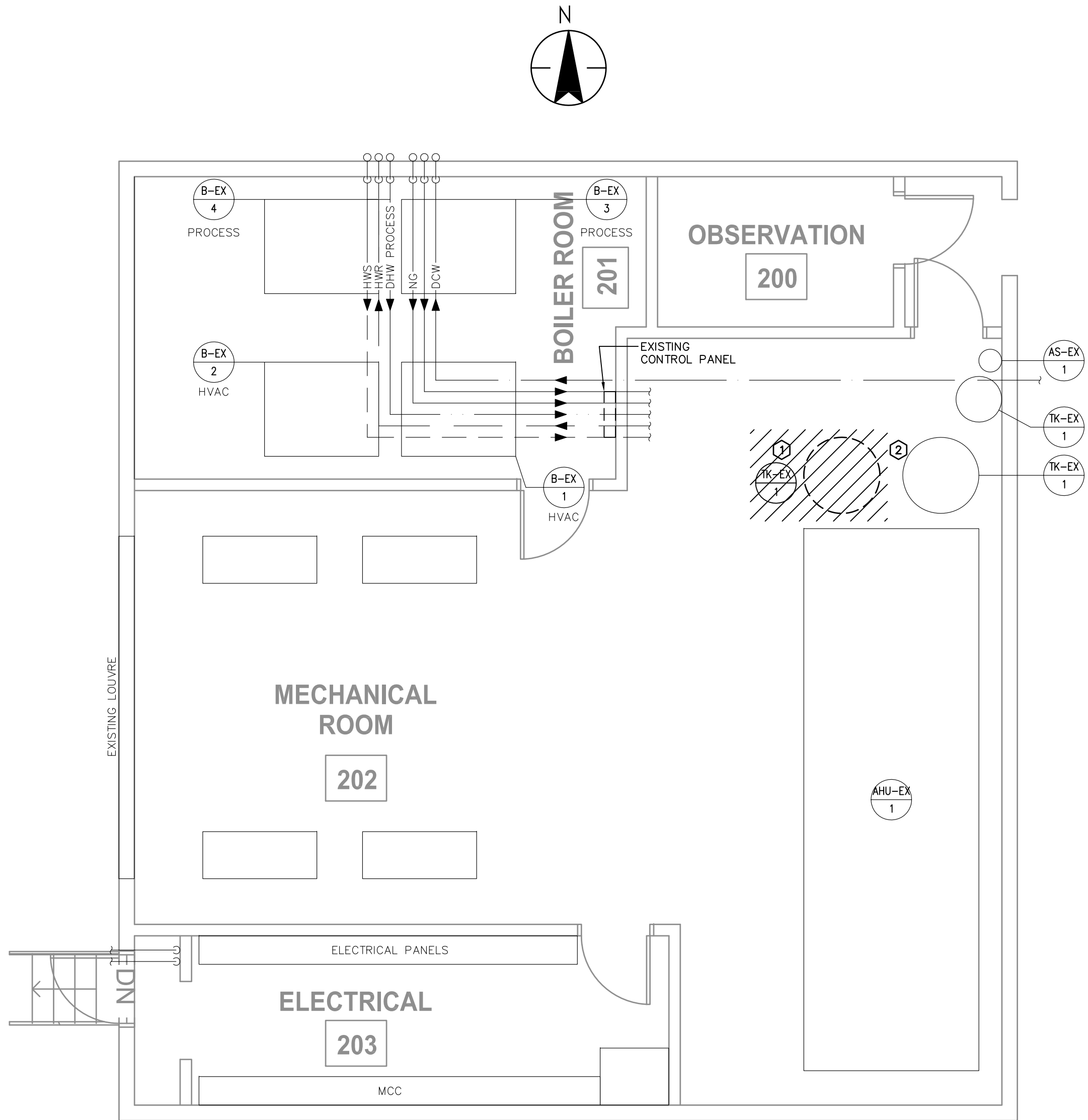
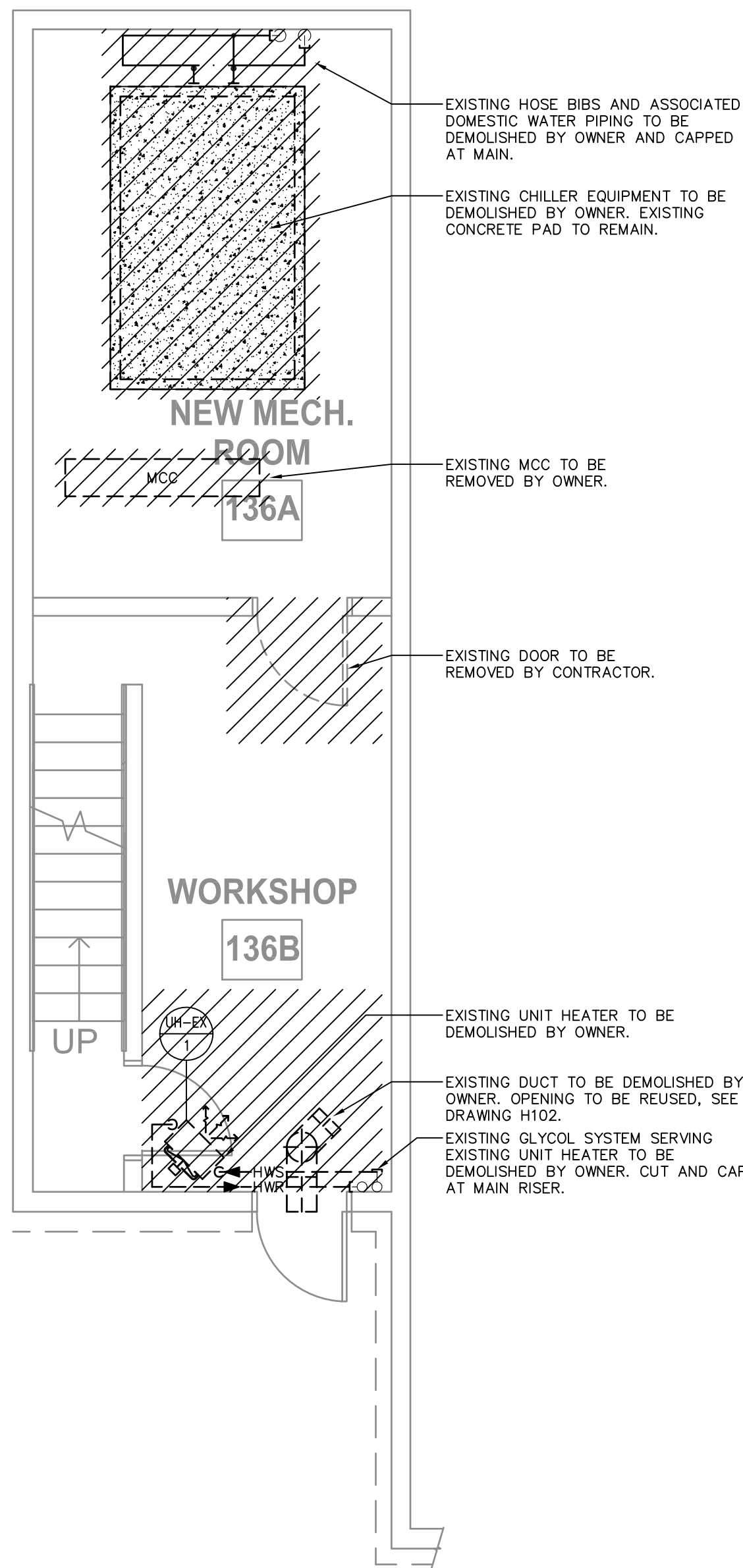
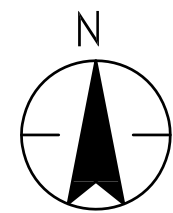
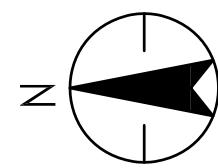
NUMBER	NAME
H100	MECHANICAL LEGENDS & SCHEDULES
H101	ENLARGED MECHANICAL ROOM PLANS - DEMOLITION
H102	ENLARGED MECHANICAL ROOM PLANS - RENOVATION
H103	ENLARGED MECHANICAL PENTHOUSE PLAN - RENOVATION
H104	MECHANICAL SCHEMATIC AND DETAIL

ELECTRICAL

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NUMBER	NAME
E001	SYMBOL LEGEND, GENERAL NOTES AND DRAWING LIST
E100	ELECTRICAL DEMOLITION & RENOVATION



- DEMOLITION GENERAL NOTES**
1. ALL DEMOLITION WORK AND RELOCATION OF MECHANICAL EQUIPMENT BY OWNER, CONTRACTOR TO COORDINATE NEW EQUIPMENT LOCATIONS AND SYSTEM TIE INS WITH OWNER.
 2. ANY EXISTING MECHANICAL WORK ON THESE DRAWINGS SHALL NOT BE CONSIDERED 'AS BUILT'. CONTRACTOR TO NOTIFY DEPARTMENT REPRESENTATIVE OF DISCREPANCIES. EXTRAS WILL NOT BE CONSIDERED BASED ON THE GROUNDS OF DIFFERENCES ON SITE.
 3. ALL EQUIPMENT REMOVED DURING DEMOLITION TO BE TURNED OVER TO OWNER.
 4. EQUIPMENT SHOWN DARK & HATCHED IS TO BE REMOVED AS NOTED.

- KEY NOTES**
- ① EXISTING PROCESS HOT WATER TANK TO BE RELOCATED TO NEW MECHANICAL ROOM BY OWNER. SEE DRAWING H102 FOR CONTINUATION.
 - ② EXISTING PROCESS HOT WATER TANK TO REMAIN. OWNER TO CUT AND CAP ALL ASSOCIATED PIPING.

A
H101
ENLARGED MECHANICAL ROOM PLAN —
MAIN FLOOR DEMOLITON
1:50

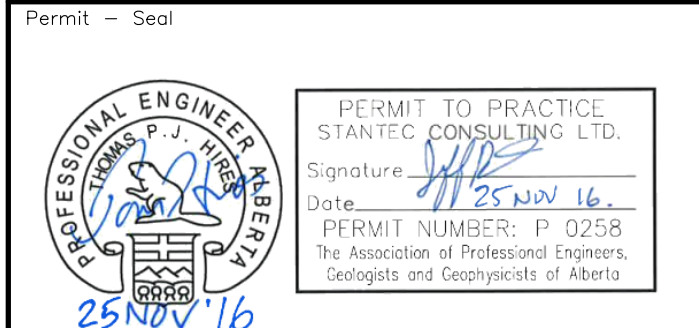
B
H101
ENLARGED MECHANICAL PENTHOUSE PLAN — DEMOLITION
1:50



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4	Issued for Client Review	2016.09.14
3	Issued for 100% review	2016.08.11
2	Issued for Client review	2016.05.31
1	Issued for Client review	2016.03.28
0	Design Completion	
Revision	Description	Date



Client client

LACOMBE RESEARCH FACILITY

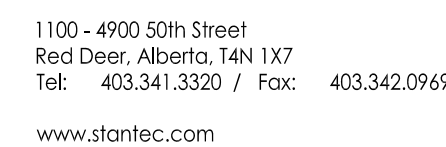
600 C And E Trail, Lacombe, AB

Project title
**Lacombe, AB
600 C And E Trail
ABATTOIR
ABATTOIR MECHANICAL
EQUIPMENT ROOM PLANS**

Designed by IG	Conçu par
Drawn by FH	Dessiné par
Approved by TH	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSSC

Drawing title
**ENLARGED
MECHANICAL ROOM PLANS
DEMOLITION**

Project no./No. du projet	Drawing no./No. du dessin H101 3 OF 8	Revision no. 0
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REFER TO SPECIFICATION SECTIONS:
03 10 00 - CONCRETE FORMING AND ACCESSORIES
03 20 00 - CONCRETE REINFORCING
03 30 00 - CAST-IN-LACE CONCRETE

NOTE:

FOR COIL ARRANGEMENT AND SIZING REFER TO PLAN B ON THIS DRAWING.
SINGLE COIL: PIPED SIMILARLY

ENLARGED MAIN FLOOR MECHANICAL ROOM PLAN —
HVAC RENOVATION PLAN

Permit - Seal			
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LACOMBE RESEARCH FACILITY

600 C And E Trail, Lacombe, AB

Project title	Project
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**Lacombe, AB
600 C And E Trail
ABATTOIR**

ABATTOIR MECHANICAL EQUIPMENT ROOM PLANS

Designed by	Concurred
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Drawn by	Dessiné par
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Approved by	Approuvé par
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PWGSC Project Manager	Administrateur de Projets TPSGC
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Drawing title	Titre du dessin
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ENLARGED MECHANICAL ROOM PLANS RENOVATION

Project no /No. du projet	Drawing no /No. du dessin	Revision no
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H102


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Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada


REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest



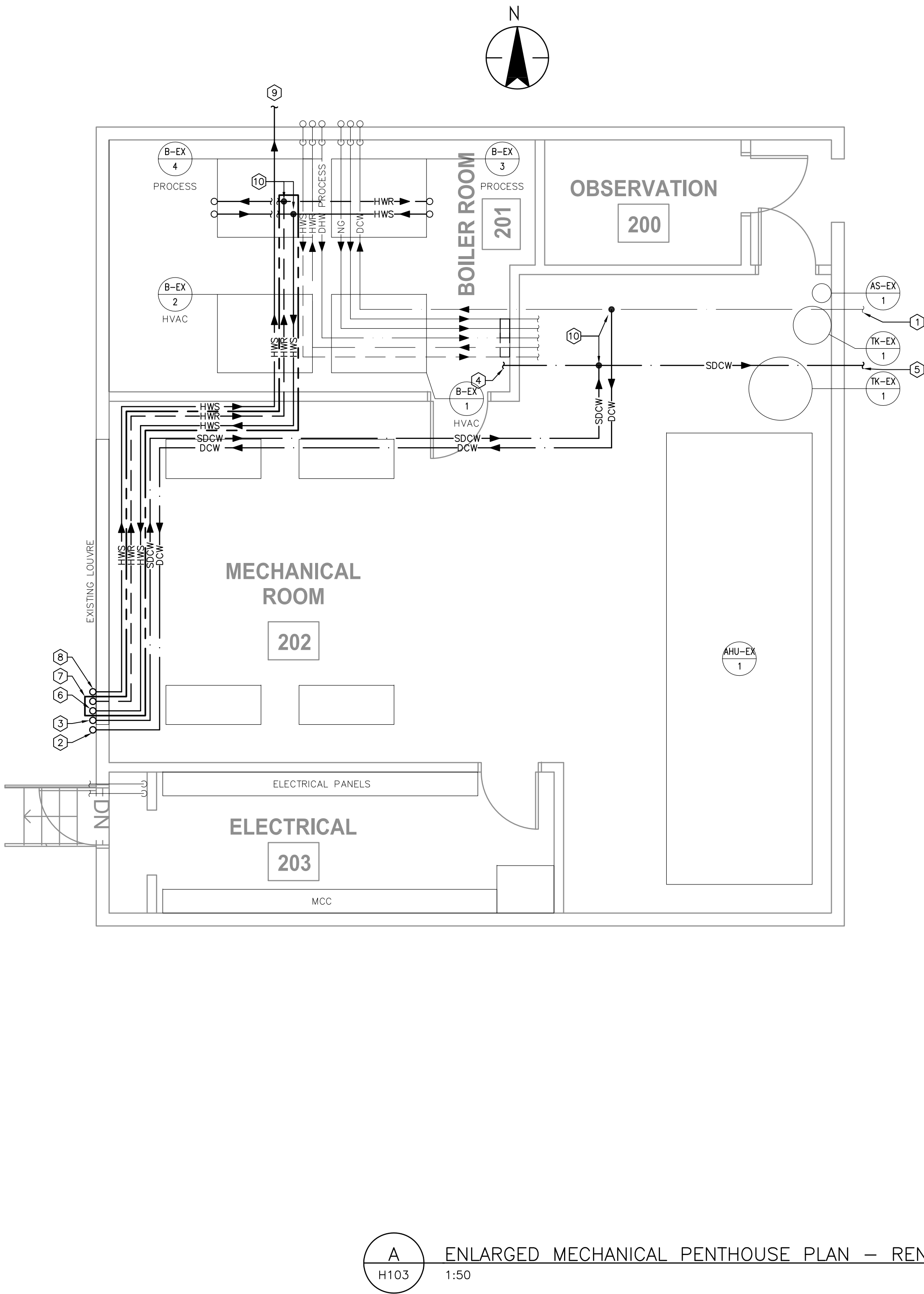
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0	Design Completion	

Revision	Description	Date
Permit - Seal		
<div><div><div>PERMIT TO PRACTICE STANTEC CONSULTING LTD. Signature: <i>[Signature]</i> Date: 25 NOV 16 The Association of Professional Engineers, Geologists and Geophysicists of Alberta</div></div></div>		

Client	client	
LACOMBE RESEARCH FACILITY		
600 C And E Trail, Lacombe, AB		
Project title	Projet	
Lacombe, AB 600 C And E Trail ABATTOIR ABATTOIR MECHANICAL EQUIPMENT ROOM PLANS		
Designed by	Conçu par	
IG		
Drawn by	Dessiné par	
FH		
Approved by	Approuvé par	
TH		
PWGSC Project Manager	Administrateur de Projets TPWGC	
Drawing title	Titre du dessin	
ENLARGED MECHANICAL PENTHOUSE PLAN RENOVATION		
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
	H103 5 OF 08	0



- RENOVATION GENERAL NOTES**
 - ANY EXISTING MECHANICAL WORK ON THESE DRAWINGS SHALL NOT BE CONSIDERED 'AS BUILT'. CONTRACTOR TO NOTIFY DEPARTMENT REPRESENTATIVE OF DISCREPANCIES. EXTRAS WILL NOT BE CONSIDERED BASED ON THE GROUNDS OF DIFFERENCES ON SITE.
- KEY NOTES**
 - EXISTING DOMESTIC COLD WATER SUPPLY.
 - DOMESTIC COLD WATER SUPPLY DOWN TO NEW MECHANICAL ROOM TO SUPPLY WATER SOFTNER TREATMENT PLANT.
 - SOFT COLD WATER UP TO SUPPLY PROCESS BOILERS AND STEAM BOILERS.
 - SOFT COLD WATER TO BOILER ROOM.
 - SOFT COLD WATER TO STEAM BOILER ROOM ON MAIN FLOOR.
 - PRIMARY PROCESS HOT WATER DOWN TO HEAT EXCHANGER IN NEW MECHANICAL ROOM.
 - PRIMARY PROCESS HOT WATER RETURN LOOP.
 - PROCESS HOT WATER SUPPLY UP TO SUPPLY KILLING AREA.
 - PROCESS HOT WATER SUPPLY TO KILLING AREA.
 - OWNER TO SPECIFY TIE IN LOCATION.



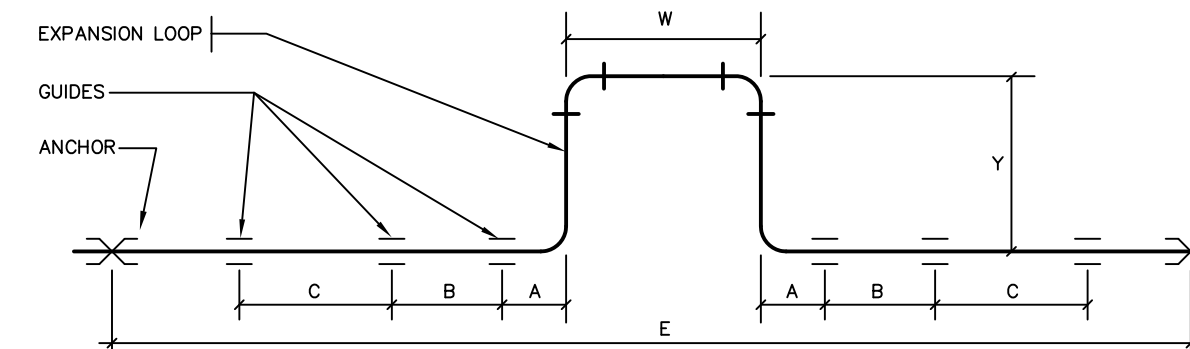
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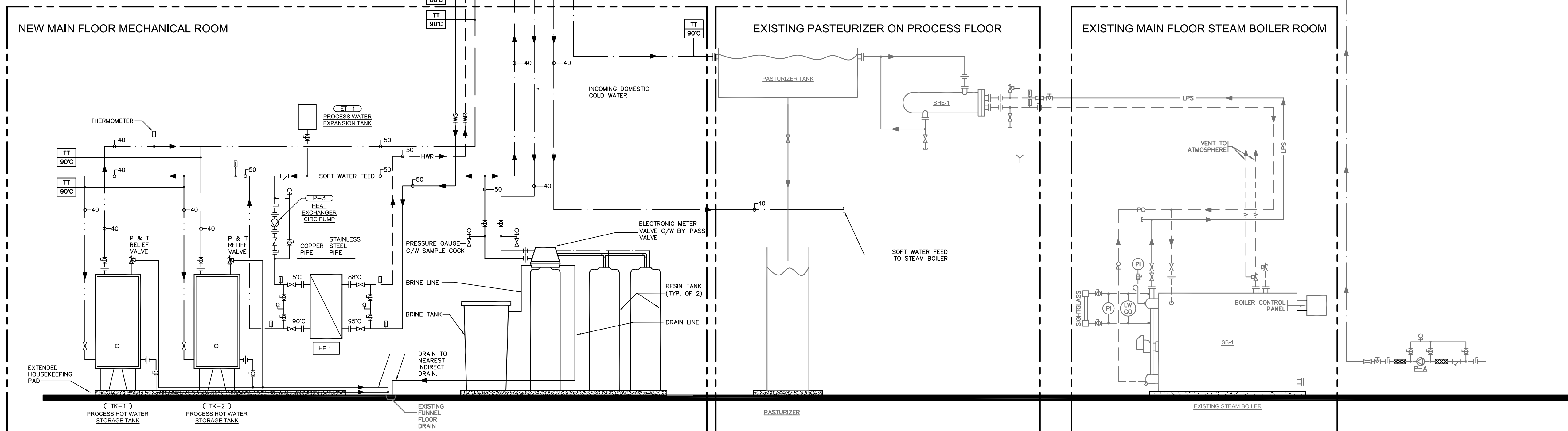
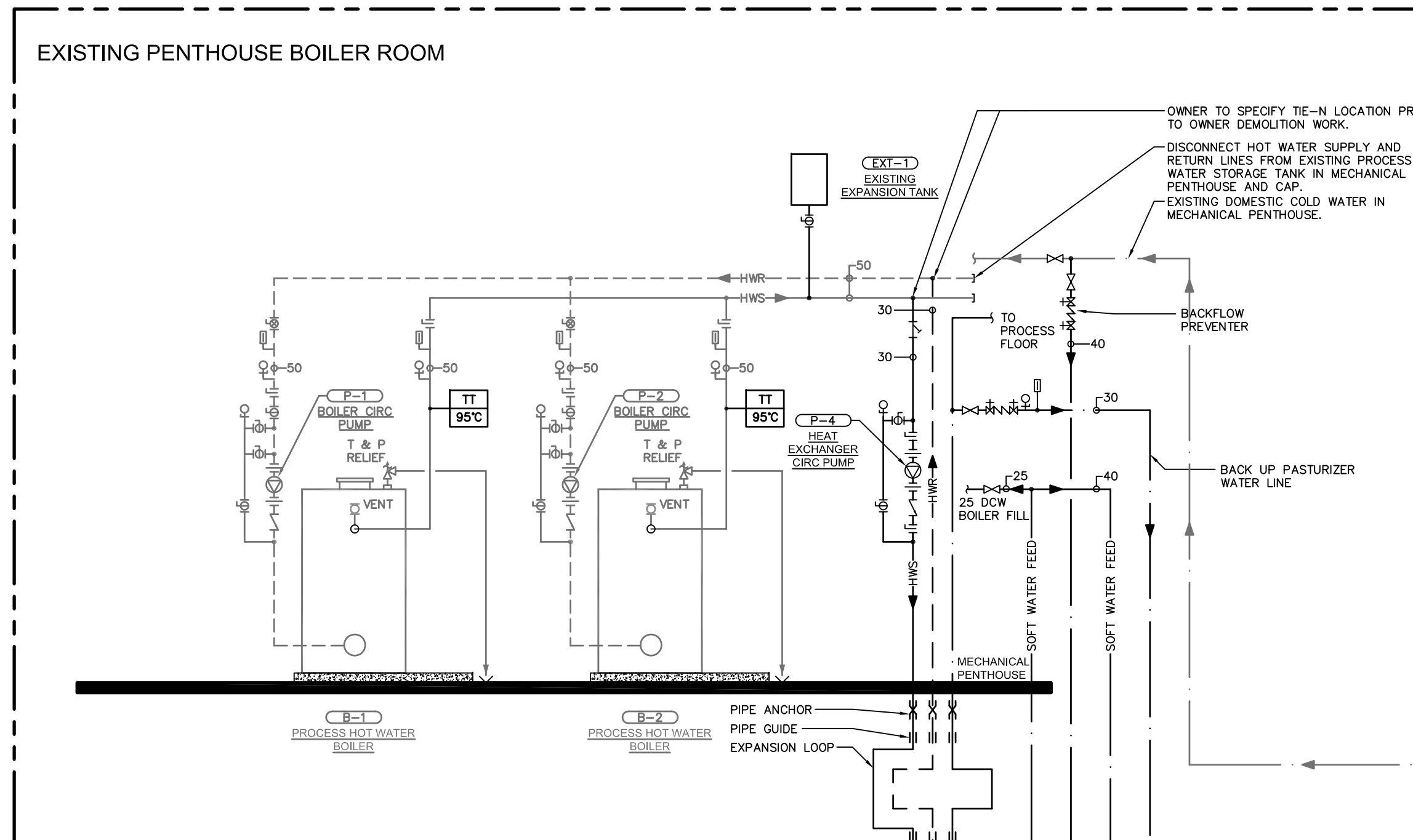
LOOP SIZING DATA:

1. USE THESE FORMULAS FOR TEMPERATURE DIFFERENCES NOT EXCEEDING 110°C. FOR OTHER CONDITIONS USE THE ASHRAE GUIDE DATA BOOK.
2. LENGTH OF PIPE IN LOOP "L" in. = 2Y + W
3. FOR LENGTH "L" USE THE FOLLOWING FORMULAS:
a. STEEL PIPE $L = 2.67 \sqrt{D \times E}$
b. COPPER PIPE $L = 3.17 \sqrt{D \times E}$
4. D = DIAMETER IN IN.
5. E = DISTANCE BETWEEN ANCHORS IN IN.



PIPE SIZE mm NOMINAL	MAXIMUM DISTANCE		MAXIMUM SPACING BETWEEN GUIDES
	A	B	
25	200	600	120
30	200	600	120
40	200	900	180
50	200	900	180
65	250	1200	240
75	300	1200	240
100	400	1500	360
150	500	3000	420

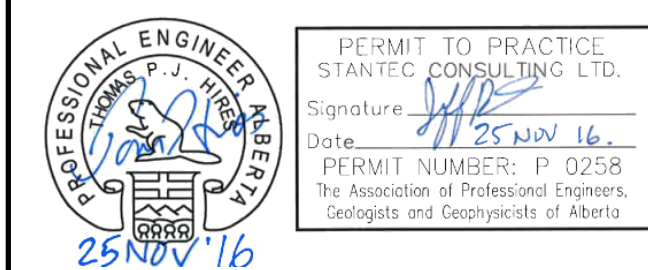
B EXPANSION LOOP GUIDE DETAIL
H104 N.T.S.



A BOILER SCHEMATIC
H104 N.T.S.

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Revision	Description	Date

Permit - Seal



Client client

LACOMBE RESEARCH FACILITY

600 C And E Trail, Lacombe, AB

Project title Projet

Lacombe, AB
600 C And E Trail
ABATTOIR

ABATTOIR MECHANICAL
EQUIPMENT ROOM PLANS

Designed by Conçu par

IG

Drawn by Dessiné par

FH

Approved by Approuvé par

TH

PWSSC Project Manager Administrateur de Projets TPSSC

Drawing title Titre du dessin

MECHANICAL HOT PROCESS WATER
SCHEMATIC AND DETAIL
RENOVATION





Project no./No. du projet Drawing no./No. du dessin Revision no.

H104

6 OF 8

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








LIGHTING PLAN SYMBOLS	
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 305x1220mm
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 610x1220mm
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 610x610mm
	RECESSED FLUORESCENT LUMINAIRE, 305x1220mm
	RECESSED FLUORESCENT LUMINAIRE, 610x1220mm
	RECESSED FLUORESCENT LUMINAIRE, 610x610mm
	FLUORESCENT STRIP LUMINAIRE, 1220mm
	FLUORESCENT STRIP LUMINAIRE, 915mm
	FLUORESCENT STRIP LUMINAIRE, 610mm
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 1220mm
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 915mm
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 610mm
	RECESSED LUMINAIRE / POT LIGHT
	SURFACE MOUNTED OR SUSPENDED LUMINAIRE
	STEP OR WALL MOUNTED LUMINAIRE
	BOLLARD OR IN-GROUND LUMINAIRE
	POLE MOUNTED LUMINAIRE (SINGLE HEAD)
	POLE MOUNTED LUMINAIRE (DOUBLE HEAD)
	LUMINAIRE ON EMERGENCY CIRCUIT (INDICATED BY HALF SHADING)
	DIRECTIONAL / AIMED LUMINAIRE (ARROW INDICATES DIRECTION)
	CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	TRACK LIGHT (# OF HEADS AS SHOWN, LENGTH AS INDICATED)
	LINE VOLTAGE SWITCH (120V TO 347V)
	2-GANG LINE VOLTAGE SWITCH
	3-GANG LINE VOLTAGE SWITCH
	4-GANG LINE VOLTAGE SWITCH
	LOW VOLTAGE SWITCH (30V OR LESS)
	MULTIPLE LOW VOLTAGE SWITCHES (QUANTITY AS INDICATED)
	LOW VOLTAGE DIMMER SWITCH
	LINE VOLTAGE DIMMER SWITCH
	LOW VOLTAGE SWITCH c/w OCCUPANCY SENSOR
	LINE VOLTAGE SWITCH c/w OCCUPANCY SENSOR
	LINE VOLTAGE SWITCH c/w PILOT LIGHT
	LINE VOLTAGE TWO POLE SWITCH
	LINE VOLTAGE THREE WAY SWITCH
	LINE VOLTAGE FOUR WAY SWITCH
	TIMER SWITCH
	KEY OPERATED SWITCH
	3-POSITION LIGHT SWITCH
	CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	WALL MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	PHOTOCELL (EXTERIOR, TYPE AS INDICATED)
	DAYLIGHT SENSOR (INTERIOR PHOTOCELL, TYPE AS INDICATED)
	EMERG. LTG. BATTERY PACK (WATTAGE AS SHOWN/# OF LAMPS AS SHOWN)
	CEILING MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
	WALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
























GENERAL SYMBOLS	
	NOTE REFERENCE
	EQUIPMENT REFERENCE
	REVISION NUMBER
	WIRING HOME RUN

ABBREVIATIONS	
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BMS	BUILDING MANAGEMENT SYSTEM
DW	DISHWASHER
FAX	FAX MACHINE
GF	GROUND FAULT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
OC	ON CENTER
JB	JUNCTION BOX
MCC	MOTOR CONTROL CENTER
MW	MICROWAVE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
IG	ISOLATED GROUND
PTR	PRINTER
RB	RELAY BASE
REF	REFRIGERATOR
SB	SOUNDER BASE
SPD	SURGE PROTECTIVE DEVICE
TR	TAMPER RESISTANT
TV	TELEVISION
TYP	TYPICAL
WP	WEATHERPROOF
EX	EXISTING DEVICE TO REMAIN
RE	REMOVE EXISTING DEVICE
RP	REPLACE EXISTING DEVICE WITH NEW
RL	RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE IN RELOCATED POSITION

POWER PLAN SYMBOLS	
	DUPLEX 5-15R RECEPTACLE
	DUPLEX 5-15R RECEPTACLE C/W INTEGRAL GFCI PROTECTION
	DUPLEX 5-20R RECEPTACLE, T-SLOT
	SINGLE 5-15R RECEPTACLE
	SPLIT CIRCUIT DUPLEX 5-15R RECEPTACLE
	TWO DUPLEX 5-15R RECEPTACLES
	SPECIAL RECEPTACLE (TYPE AS INDICATED)
	REEL CORD RECEPTACLE (TYPE AS INDICATED)
	FLOOR MOUNTED DUPLEX
	TWO FLOOR MOUNTED DUPLEX 5-15R RECEPTACLES
	CEILING MOUNTED DUPLEX 5-15R RECEPTACLE
	TWO CEILING MOUNTED DUPLEX 5-15R RECEPTACLES
	SERVICE COLUMN / PACK POLE (OUTLETS AS INDICATED)
	UTILITY POLE (TYPE AS INDICATED)
	CEILING MOUNTED JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	POWER PANELBOARD
	PANEL (TYPE AS INDICATED - SECURITY, LIGHTING RELAY, ETC.)
	SURFACE RACEWAY (TYPE AS INDICATED)
	PUSHBUTTON (TYPE AND WIRING AS INDICATED)
	GROUND BUS BAR
	ROOM REFERENCE GROUND BUS
	MOTOR
	MOTOR c/w DISCONNECT SWITCH
	COMBINATION DISCONNECT AND MAGNETIC MOTOR STARTER
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	THERMOSTAT
	MANUAL MOTOR STARTER c/w PILOT LIGHT
	CONDUIT STUB
	CONDUIT UP
	CONDUIT DOWN
	• DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP

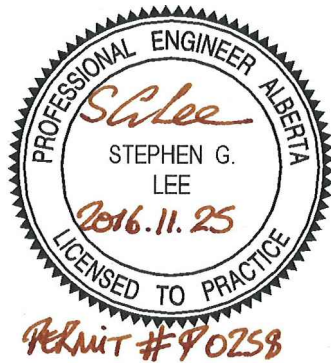
FIRE ALARM SYMBOLS	
	FIRE ALARM MANUAL STATION
	FIRE ALARM BELL
	FIRE ALARM BELL c/w STROBE
	CEILING MOUNTED FIRE ALARM HORN SPEAKER
	WALL MOUNTED FIRE ALARM HORN SPEAKER
	CEILING MOUNTED FIRE ALARM HORN SPEAKER c/w STROBE
	WALL MOUNTED FIRE ALARM HORN SPEAKER c/w STROBE
	CEILING REMOTE EVACUATION STROBE
	WALL MOUNTED REMOTE EVACUATION STROBE
	CEILING MOUNTED FIRE ALARM SPEAKER
	WALL MOUNTED FIRE ALARM SPEAKER
	CEILING MOUNTED FIRE ALARM SPEAKER c/w STROBE
	WALL MOUNTED FIRE ALARM SPEAKER c/w STROBE
	FIRE ALARM PIEZO SOUNDER
	FIRE ALARM PIEZO SOUNDER c/w STROBE
	FIRE ALARM ELECTRONIC HORN/SOUNDER
	FIRE ALARM ELECTRONIC HORN/SOUNDER c/w STROBE
	CARBON MONOXIDE ALARM
	FIRE ALARM HEAT DETECTOR (RATE OF RISE UNLESS OTHERWISE INDICATED)
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED
	SMOKE ALARM
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	CENTRAL ALARM & CONTROL FACILITY
	EMERGENCY TELEPHONE
	FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE
	FIRE ALARM CONNECTION TO PRESSURE SWITCH
	FIRE ALARM CONNECTION TO FLOW SWITCH
	FIRE ALARM CONNECTION TO TAMPER SWITCH
	FIRE ALARM CONNECTION TO LEVEL SWITCH
	END OF LINE RESISTOR
	FIRE ALARM CONTROL MODULE
	FIRE ALARM MONITOR MODULE
	FIRE ALARM FAULT ISOLATION MODULE
	FIRE ALARM RELAY

TELECOMMUNICATIONS SYMBOLS	
	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	FLOOR MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	CEILING MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	INTERCOM STATION
 - WAP	WIRELESS ACCESS POINT
 CATV	WALL MOUNTED TELEVISION OUTLET
 CATV	CEILING MOUNTED TELEVISION OUTLET
 CATV	FLOOR MOUNTED TELEVISION OUTLET
	FIBRE OPTIC OUTLET
	CABLE TRAY, AS INDICATED

SECURITY SYMBOLS	
	WALL MOUNTED SECURITY CAMERA
	WALL MOUNTED SECURITY CAMERA, FIXED
	WALL MOUNTED SECURITY CAMERA, PAN/TILT/ZOOM
	CEILING MOUNTED SECURITY CAMERA
	CEILING MOUNTED SECURITY CAMERA, FIXED
	CEILING MOUNTED SECURITY CAMERA, PAN/TILT/ZOOM
	CARD READER
	CARD READER / KEY PAD COMBINATION
	SECURITY KEY PAD
	KEYSWITCH OVERRIDE
	REQUEST-TO-EXIT PUSHBUTTON
	PANIC/DURESS PUSHBUTTON
	BUZZER AND KEYSWITCH FOR LOCAL ALARM
	ELECTROMAGNETIC LOCK
	ELECTRIFIED DOOR HARDWARE
	DOOR POSITION SWITCH
	REQUEST-TO-EXIT MOTION SENSOR
	PUSHBUTTON
	PUSHBUTTON C/W KEYED RESET
	CEILING MOUNTED SECURITY MOTION DETECTOR
	CEILING MOUNTED SECURITY MOTION DETECTOR (360 DEGREES)
	WALL MOUNTED SECURITY MOTION DETECTOR
	GLASS BREAK DETECTOR

[illegible]

DRAWING LIST		
DRAWING No.	DRAWING NAME	SCALE
E001	SYMBOL LEGEND, GENERAL NOTES AND DRAWING LIST	NTS
E100	ELECTRICAL DEMOLITION & RENOVATION	AS NOTED



5	Issued For Tender	2016.11.25
4	Issued for Client Review	2016.09.14
3	Issued for 100% review	2016.08.11
2	Issued for Client review	2016.05.31
1	Issued for Client review	2016.03.28
0	Design Completion	
Revision	Description	Date
Client		client

LACOMBE RESEARCH FACILITY

600 C And E Trail, Lacombe, AB

Project title	Projet
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**Lacombe, AB
600 C And E Trail
ABATTOIR**

ABATTOIR MECHANICAL EQUIPMENT ROOM PLANS

Designed by SL	Conçu par
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Drawn by RGM	Dessiné par
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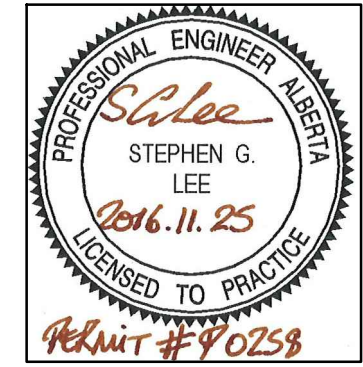
Approved by	Approuvé par
SL	

PWGSC Project Manager	Administrateur de Projets TPSGC
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Drawing title	Titre du dessin
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**SYMBOL LEGEND
GENERAL NOTES
& DRAWING LIST**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
115302873	E001	0
	7 OF 08	



5	Issued for Tender	2016.11.25
4	Issued for Client Review	2016.09.14
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LACOMBE RESEARCH FACILITY

600 C And E Trail, Lacombe, AB

Project title

Lacombe, AB
600 C And E Trail
ABATTOIR

Projet

ABATTOIR MECHANICAL
EQUIPMENT ROOM PLANS

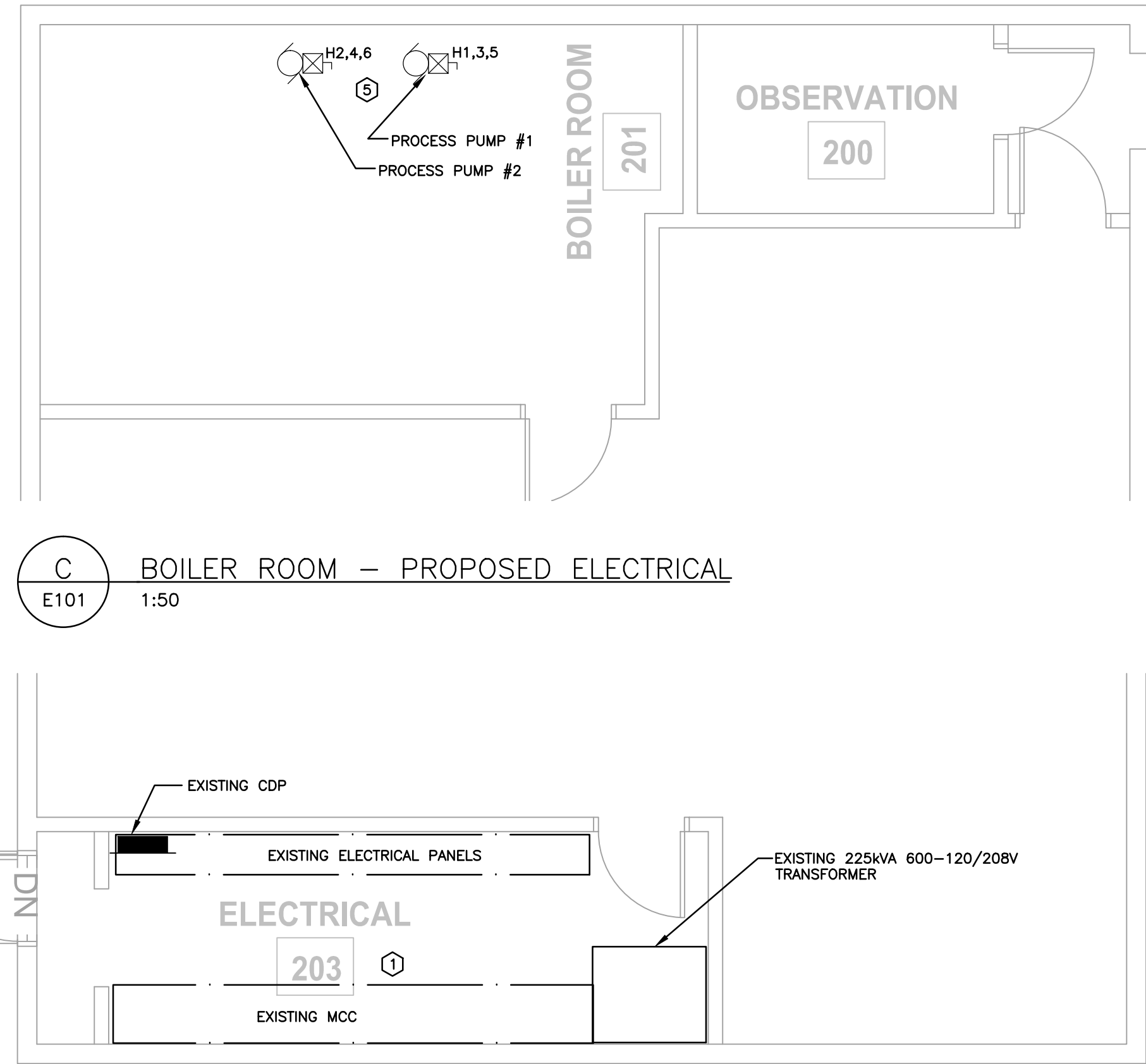
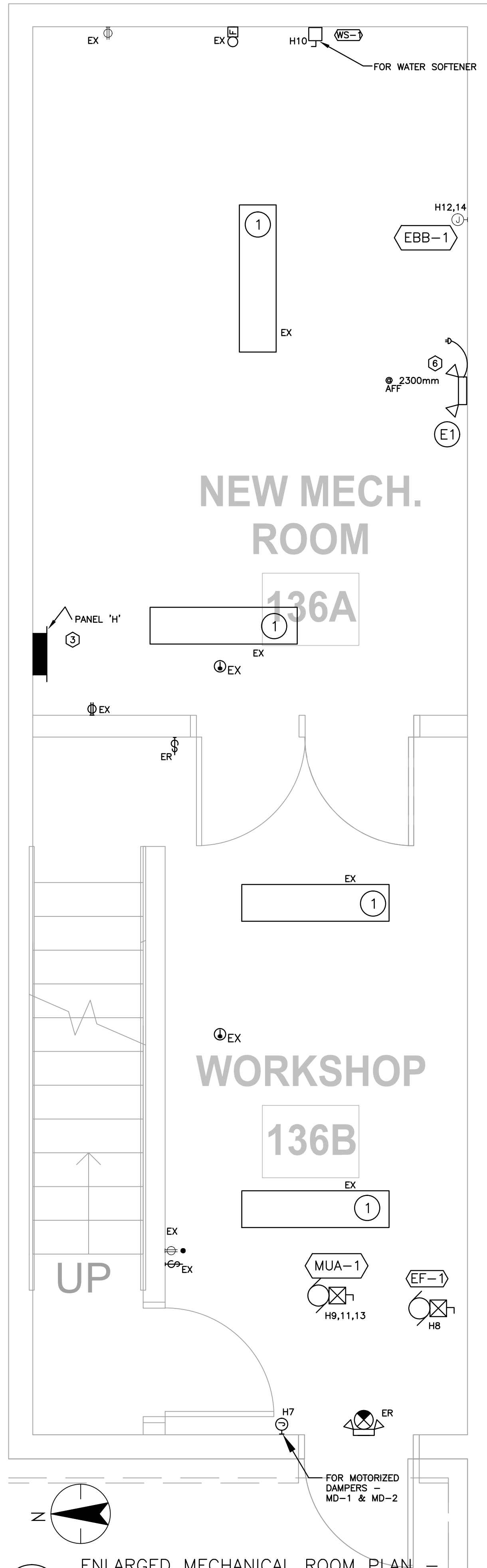
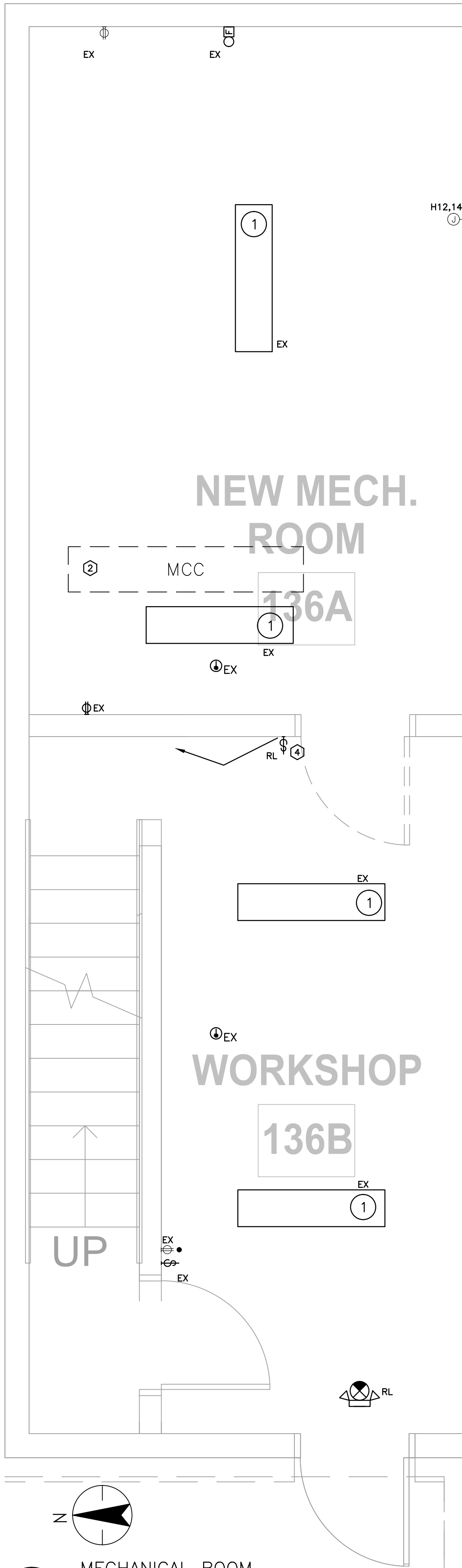
Designed by SL	Conçu par
Drawn by RGM	Dessiné par
Approved by SL	Approuvé par
PWSSC Project Manager	Administrateur de Projets TPSGC

Drawing title

ELECTRICAL
DEMOLITION
AND
RENOVATION

Titre du dessin

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
115302873	E100 8 OF 08	0



PNL 'H'				LOCATION: MCC ROOM			
120/208V 225 AMP. FEEDER: 4 #1 Cu IN 41mm C. FROM NEW 125A BKR IN EXISTING CDP							
LOAD	DESCRIPTION	BKR. SIZE	CCT. NO.	A	B	C	LOAD
690	PROCESS PUMP #1	20	1	↑	↑	↑	2 20
690		AMP 3	4 AMP				4 AMP
690		3P 5	6 3P				690
190	MOTORIZED DAMPERS, MD-1, MD-2	15A	7	↑	↑	↑	8 15A
200		15 9	10 15A				100
200	MAKEUP AIR UNIT MUA-1	AMP 11	12				20A
200		3P 13	14 2P	1250			
-			15	16			-
-		17	18			-	
-		19	20			-	
-		21	22			-	
-		23	24			-	
NOTES				PHASE A = 1960 W PHASE B = 2930 W PHASE C = 2830 W TOTAL = 5520 W			

LUMINAIRE SCHEDULE				
TAG	DESCRIPTION	LAMPS	VOLTAGE	COMMENTS
1	300mm x 1200mm SURFACE FLUORESCENT WITH PRISMATIC DIFFUSER	2x32W T8 LAMPS		EXISTING
E	SURFACE MOUNTED EMERGENCY BATTERY PACK	2x4W PAR18 LED LAMPS	120	STANPRO SLA-12036 OR EQUAL

DEMOLITION GENERAL NOTES

- CIRCUIT DETAILS ARE PROVIDED FOR INFORMATION; VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- ALL EQUIPMENT REMOVED DURING DEMOLITION TO BE TURNED OVER TO OWNER.
- EQUIPMENT SHOWN DARK & HATCHED IS TO BE REMOVED AS NOTED.

RENOVATION GENERAL NOTES

- ANY EXISTING ELECTRICAL WORK ON THESE DRAWINGS SHALL NOT BE CONSIDERED "AS BUILT". CONTRACTOR TO NOTIFY CONSULTANT OF DISCREPANCIES. EXTRAS WILL NOT BE CONSIDERED BASED ON THE GROUNDS OF DIFFERENCES ON SITE.
- ALL INSTALLATION WORK TO MEET REQUIREMENTS OF THE CANADIAN ELECTRICAL CODE.

KEY NOTES

- ISOLATE AND DISCONNECT EXISTING FEEDERS TO PUMPS #1 AND #2.
- OWNER TO ISOLATE, DISCONNECT AND REMOVE EXISTING MCC (REFRIGERATION CONTROL PANEL). OWNER TO REMOVE ALL REDUNDANT CONDUIT & WIRING DOWNSTREAM OF MCC. OWNER TO REMOVE REDUNDANT FEEDER BACK TO SOURCE.
- PROVIDE A NEW 24 CIRCUIT 3PH 4W 120/208V 225A PANEL; REFER TO PANEL SCHEDULE FOR DETAILS.
- RELOCATE EXISTING LIGHT SWITCH TO SUIT NEW DOUBLE DOOR ARRANGEMENT.
- SITE COORDINATE LOCATION OF MOTOR STARTERS & DISCONNECTS. CONNECT MOTOR STARTERS TO EXISTING BOILER CONTROLS.
- PROVIDE NEW EMERGENCY LIGHTING TWIN LAMP BATTERY PACK WITH MINIMUM 30 MINUTES DURATION, TIE INTO EXISTING LIGHTING CIRCUIT.