	ELECTRICAL LEGEND
ITEM	DESCRIPTION
	LED LIGHT FIXTURE TYPE AS INDICATED
	LED STRIP LIGHT OR STRIP LIGHT C/W WIREGUARD TYPE AS INDICATED
	DOWN LIGHT FIXTURE SHADED INDICATES UNSWITCHED LIGHT
н <mark>д</mark>	EXTERIOR WALL MOUNTED LIGHT FIXTURE
	EMERGENCY LIGHTING UNIT C/W INTEGRAL HEADS AND EXIT LIGHT
44	REMOTE HEADS
\$	WALL SWITCH
00	CEILING MOUNTED PIR OCCUPANCY SENSOR
\$ \$	15 AMP. 125 VOLT DUPLEX AND QUAD RECEPTACLE 5-15R, STANDARD MOUNTING HEIGHT
•	20 AMP. 125 VOLT DUPLEX RECEPTACLE 5-20R, - HIGH MOUNTED AS SHOWN
	DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
9	SINGLE PHASE MOTOR, hp AS INDICATED
(S)—	DUCT SMOKE DETECTOR
	MANUAL FIRE ALARM PULL STATION
	FIRE ALARM HORN STROBE LIGHT
GFI	INDICATES "GROUND FAULT INTERRUPTER"
R	ATTRIBUTE 'R' INDICATES ELECTRICAL EQUIPMENT TO BE REMOVED
RL	ATTRIBUTE 'RL' INDICATES RELOCATED ELECTRICAL EQUIPMENT
WG	ATTRIBUTE 'WG' INDICATES EQUIPMENT WITH WIRE GUARD
WP	ATTRIBUTE 'WP' INDICATES WEATHERPROOF
	FORCE FLOW HEATER
JB	JUNCTION BOX
FACP	PANELBOARD 'FACP' INDICATES FIRE ALARM CONTROL PANEL
CR	CONTROL RELAY
DC	DOOR CONTACT
	UNLESS OTHERWISE NOTED, ALL ELECTRICAL EQUIPMENT & DEVICES SHOWN IN THICK DASHED LINES IS EXISTING TO BE REMOVED. ATTRIBUTE 'RL' INDICATES EQUIPMENT TO BE RELOCATED. ATTRIBUTE 'RW' INDICATES EQUIPMENT TO BE REWIRED.
	UNLESS OTHERWISE NOTED, ALL ELECTRICAL EQUIPMENT & DEVICES SHOWN IN THIN SOLID LINES IS EXISTING TO REMAIN.
	UNLESS OTHERWISE NOTED, ALL ELECTRICAL EQUIPMENT & DEVICES SHOWN IN THICK SOLID LINES IS NEW, PROVIDED OR RELOCATED UNDER THIS CONTRACT.

1	211	/40	0 VOLTS, 3-PHASE, 4-WIRE, 42		
сст	BKR A.	POLES	LOAD DESCRIPTION	CON. V.A.	DF
1	15	1	EXISTING LOAD		1.0
3	15	1	EXISTING LOAD		1.0
5	15	1	EXISTING LOAD		1.0
7	15	1	EXISTING LOAD		1.0
9	15	1	EXISTING LOAD		1.0
11	15	1	EXISTING LOAD		1.0
13	15	1	EXISTING LOAD		1.0
15	15	1	EXISTING LOAD		1.0
17	15	1	EXISTING LOAD		1.0
19	15	1	EXISTING LOAD		1.0
21	15	1	EXISTING LOAD		1.0
23	15	1	EXISTING LOAD		1.0
25	15	1	EXISTING LOAD		1.0
27			EXISTING LOAD		1.0
29			EXISTING LOAD		1.0
31			PREPARED SPACE		1.0
33			PREPARED SPACE		1.0
35			PREPARED SPACE		1.0
-	15	1	EXISTING LOAD		1.0
_	15	1	EXISTING LOAD		1.0
41	15	1	EXISTING LOAD		1.0
			SUB TOTALS		
			TOTAL CONNECTE TOTAL DEMAN CONNECTE DEMAN MAIN BREAF AMPERE RATING OF PANE SHORT CIRCUIT ISOLATED GROUN	ND LOAD ED LOAD ND LOAD KER SIZE LBOARD RATING	



ABBREVIATIONS:
M = Mechanical DIV 15
E = Electrical DIV 16
DC = Direct Connection to Equip
BAS = Building Automation Syst
FCCF = Firefighters Central Cont
CP = Control Panel
MG = Magnetic starter (HOA) ha
MG2 = Mag starter 2 speed (SF0
MS = Manual Starter
MRR = Motor rated relay 24 vac
PCS = Packaged Control System
VSD = Variable speed drive

UNIT N	0.	UN
AH-3		AIR HANDLING U
FFH-1 EF-8		FORCED FLOW I EXHAUST FAN
	NOTES:	
	1.0	MINIMUM #10 AV
	2.0	TRANSITION TO
	3.0	USE 2#12 AWG
	4.0	CONTROL TRANS
	5.0	



										0054				
сст	BKR A.	BOLES	20 VOLTS, 3-PHASE, 4-WIRE, 42 CIF	CON. V.A.	DF	DEM. V.A.		DEM. V.A.	DF	225A V. N. Y.	AMPS	POLES	BKR A.	LCT
1 3 5	15 15 15	1 1	EF-1	200 200 400	1.0 1.0	200 200 400	В	600			AHU-1	3	15	2
7 9 11	15 15	1	Land, Alexandria (Alexandria)	400	1.0	400 1200	A	1200	1.0	1200	AHU-2	3	15	8
13			MAGNETICDOOR HOLDERS		1.0		A	300	1.0	300	EF-7	1	15	
15 17					1.0 1.0		BC	1000		1000	WH-1	2	15	1
19 21	15	1	NEW DRESSING RM 119 - RECP	1200	1.0 1.0	1200		1000	1.0	1000	WH-2	2	15	2
	15	1	NEW EXTERIOR RECP	1200	1.0	1200	С	1200	1.0		AIR HANDLER	1	15	
25					1.0		A	1200	1.0	1200	EF-9	1	15	
27 29 31	20	1	NEW WRM 120 RECP	1200	1.0 1.0	1200	B C A	2883	1.0	2883	АН-3	3	15	2 3 3
33 35			PANEL 1D		1.0		B C	<mark>4211</mark>		4211	FFH-1	2	30	3
	15		SCOREBOARD		1.0		A		1.0					;
39		_	SCOREBOARD		1.0		В		1.0			_		4
41	15	1	EXIT+EMERG LTG SUB TOTALS		1.0		С	600	1.0	600	HEATTRACE	1	15	ļ

VA

NA AMPS 225 AMPS 14 kA N Y / N ?

AMPS

AMPS

PANEL D 208/120VOLTS

2 Revised Panel D E1.0 SCALE: NTS

* INDICATES CIRCUIT REVISION

TOTAL DEMAND LOAD

CONNECTED LOAD

MAIN BREAKER SIZE

AMPERE RATING OF PANELBOARD SHORT CIRCUIT RATING ISOLATED GROUND BUS?

DEMAND LOAD

MECHANICAL EQUIPMENT and MOTOR LIST

																positori swit
																2. A terminal se
	PILOT DEVICES:						FCCF P/	NEL	SWI	ГСН						& wired in a
	BA = Building Autom.Sys.(DDC)		WSC) = WA	LL SWITCH W/ OCCU	JPANCY ENSOR	X = Sele	cted								3. Motors 1/2 H
	ES = End Switch		WST	= TIME	ER SWITCH											4. Control Pane
ipment - By Electrical Contractor DIV16	LT = Line Voltage Thermostat		AV	= AUD	O/VISUAL ALARM											wiring by Div
vstem	FS = Flow Switch															5. All fire alarm
ontrol Facility	GS = Gas Sensor															6. PCS equipme
	H = Humidity sensor															power conne
hand off auto switch	I = Interlock															7. CP, VSD equ
FOA) slow fast off auto	LS = Level Switch															the control p
	PS = Pressure Switch															to wire all lo
c coil and MS	TC = Time Clock															8. All starters to
em	T = Thermostat or space sensor (Line Vo	oltage T-Start)														9. Div 16 to sup
	T-LV = Thermostat or space sensor (Low	v Voltage)														
	TS = Tamper Switch															If the discon
	VS= Variable speed switch															package uni
	WS = Wall Switch															
	CS = Current Sensor															
	RA=Relay															
		ĺ										_			_	
							5	TAR	IER		F	Р	ILOI	DEVIC	E	
		VOL			1040	PROTECTION		0	e		Ш		0	B		
UNIT DESCRIPTION	LOCATION	VOL	TS/PH	I/HZ	LOAD	PROTECTION		Ē	Ë	_	NN		Ē	E	~	
							ТҮРЕ	SUPPLIED	INSTALLED	WIRED	DISCONNECT	TYPE	SUPPLIED	INSTALLE	WIRED	
							Υ	SU	NI	M	Ĩ	Ţ	SU	NI	M	
ANDLING UNIT	DRESSING ROOM 5	208	3	60		15 MOCP	PCS	M	M	E	E	I	M	Μ	Е	INTERLOCKED
ED FLOW HEATER	VESTIBULE	208	1	60		30A	-	-	-	-	DC	Т	М	М	Е	SEE NOTE 5.0
UST FAN	NEW WRM	120	1	60	FRAC.	15A	MG	E	Е	E	T,I	WS	Е	E	Е	
								1	-		1	1	1			

UM #10 AWG WIRING FOR MECHANICAL AND EQUIPMENT CONNECTION.

SITION TO TECK 90 CABLE FOR WIRING EXPOSED TO WEATHER PROVIDE SUPPORTS AS REQUIRED.

#12 AWG WIRING IN 16MM CONDUIT FOR MOTORIZED DAMPER AND MECHANICAL EQUIPMENT INTERLOCK CONNECTION.

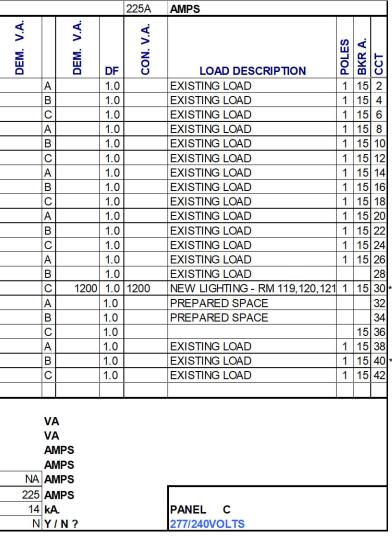
ROL TRANSFORMER AND ALL LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE 120V POWER TO JB.

5.0 CONTROLLED BY LINE VOLTAGE T-START PROVIDED BY MECHANICAL CONTRACTOR. POWER SUPPLY WIRING AND LINE VOLTAGE CONNECTION TO HEATER BY ELECTRICAL CONTRACTOR.

6.0 CONTROLLED BY CONTROL PANEL PROVIDED BY MECHANICAL CONTRACTOR. POWER SUPPLY WIRING AND LINE VOLTAGE CONNECTION BY ELECTRICAL CONTRACTOR.

1 Mechanical Equipment Schedule E1.0 SCALE: NTS

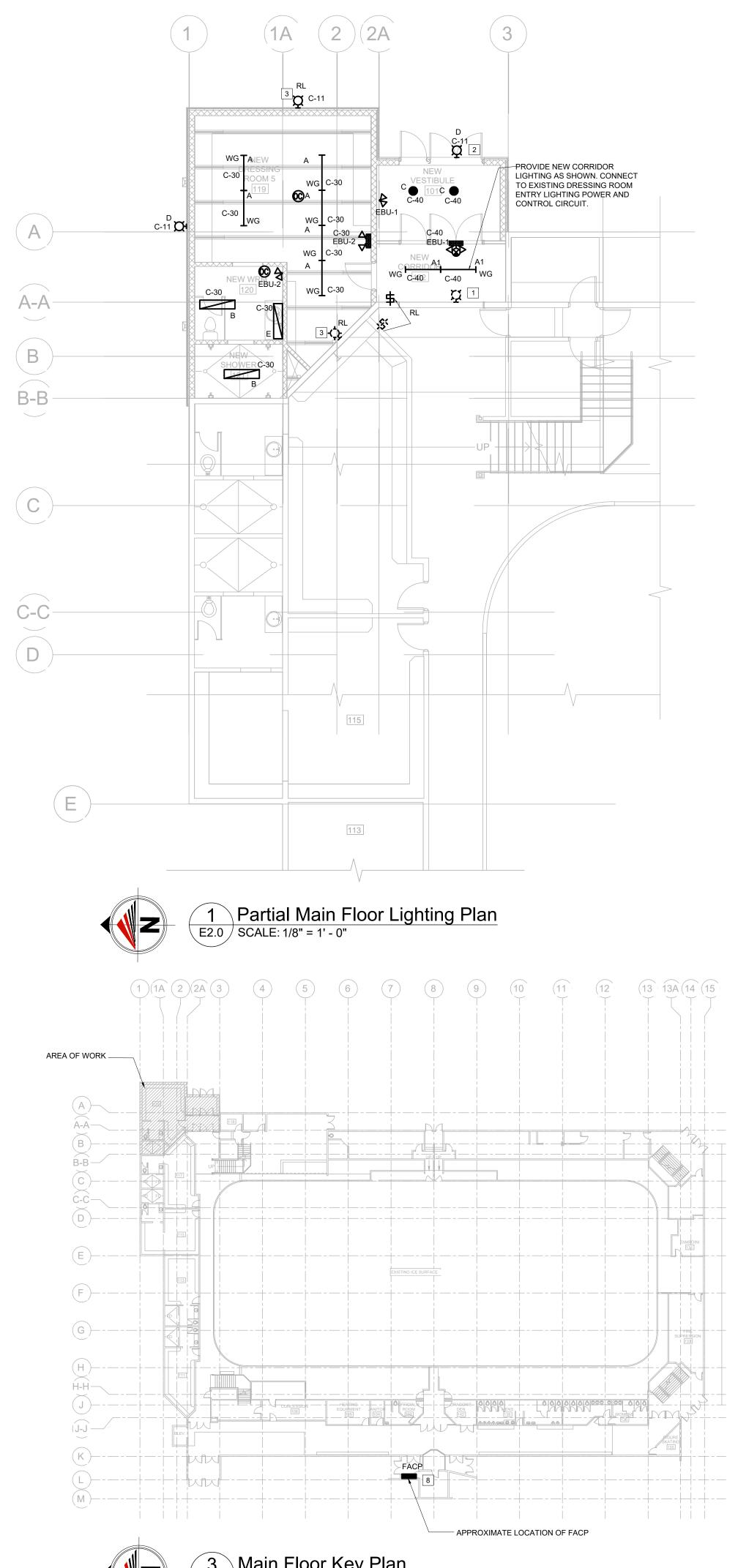
FIXTURE SCHEDULE	FIXTURE DESCRIPTION	NAME	CATALOGUE NUMBER	FIXTURE TYPE IMAGE	MANUFATURER	COLOUR TEMP	CRI	LUMENS	WATTS
A	4' LED SUSPENDED STRIPLIGHT	ST2 STRIPLIGHT	4ST2L4040		METALUX	4000K	80	4,642	40
A1	4' LED SURFACE MOUNTED STRIPLIGHT	ST2 STRIPLIGHT	4ST2L4040		METALUX	4000K	80	4,642	40
WG	4' WIRE GUARD	WIRE GUARD	WG/SSF-4FT		METALUX				
В	4' VAPORITITE LED SURFACE MOUNTED LIGHT	VAPORITITE LED	4VT2-LD5-4-UNV-L835	e e	METALUX	3500K	80	4,000	50.6
С	6-INCH RECESSED DOWNLIGHT	6-INCH LED SQUARE DOWNLIGHT	PRS6FS24D010-REM14		COOPER LIGHTING	3000K	80	3000	14
D	LED WALL LIGHT	LUMARK XTOR CROSSTOUR LED	XTOR4B-W-BK-PC2		COOPER LIGHTING	4000K	70	4205	38
E	VANITY LIGHT	FMVTSL VANITY LEDD	FMVTSL24INMVOLT30KCRIBNM4		LITHONIA LIGHTING	3000K	90	1300	9.5
	COMBO SIGN	EAC SERIES							
	EXIT SIGN	EA SERIES							
	REMOTE HEADS	EF9M SERIES							
x	EXISTING EXTERIOR LIGHT								



4 Lighting Fixture Schedule E1.0 SCALE: NTS

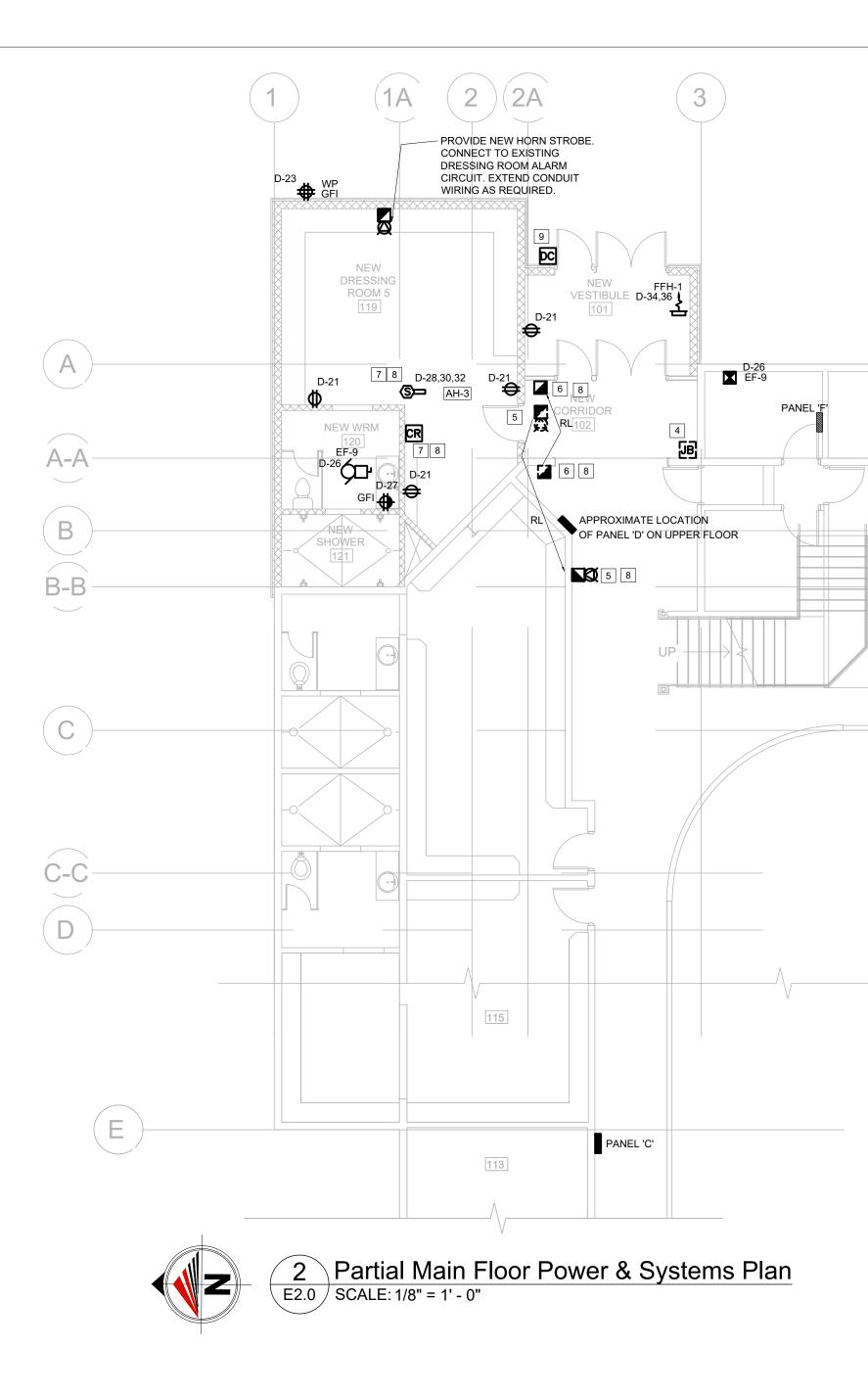
GENERAL NOTES	
1. Single speed magnetic starters to be with H/O/A	
posiion switch, pilot lite and 120 VAC control circuit	
2. A terminal section shall be provided with all MCC's	
& wired in accordance with standard detail drawing	
3. Motors 1/2 HP or larger shall have magnetic starters.	
4. Control Panels are shipped loose and require field	
wiring by Div 16.	
5. All fire alarm devices wired by Div. 16.	
6. PCS equipment requires a single source electrical	
power connecton. Any interlock wiring is by Div. 15.	
7. CP, VSD equipment requires power wiring to and from	
the control panel to the controlled equipment. Div 15 to wire all low voltage pilot devices.	
8. All starters to be wired by Div 16.	
9. Div 16 to supply and install disconnect switch.	
If the disconnect column indicates 'M', then it is a	
package unit c/w a disconnect switch, wired by Div 16.	
1	
NOTES	
NOTES	
INTERLOCKED W/ EF-9. (NOTE 6)	
SEE NOTE 5.0	
1	

Grande P 10940-92 Calgary #102, 121 www.bask P: 780 53 SEAL SEAL VALIDAT RM SIG RM API DATE: DWNER PROJECT Drl	2 4919 F: 780 532 4739 Ave, Grande Prairie, AB T8V 6B5 2 - 1 St SE, Calgary, AB T2G 2H8 ang.ca 2 4919 F: 780 532 4739	LER
No.	Description	Date
3 2 1	Issued for Tender Issued for Review Issued for Review	Mar 30, 2023 Mar 9, 2023 Feb 8, 2023
2. DO I 3. VER CON OMI 4. ALL APP AUT DRAWI CHECH ENGIN PROJE DATE:	KED BY:D. McGrath, P.Eng.EER:E. Runoh, P.Eng.ICT No:22CEBD1000March 2023	E ENGINEER. OR TO ANCIES OR EDITION OF THE
SCALE		nd
RAWING	E1.0	SHEET 1 4

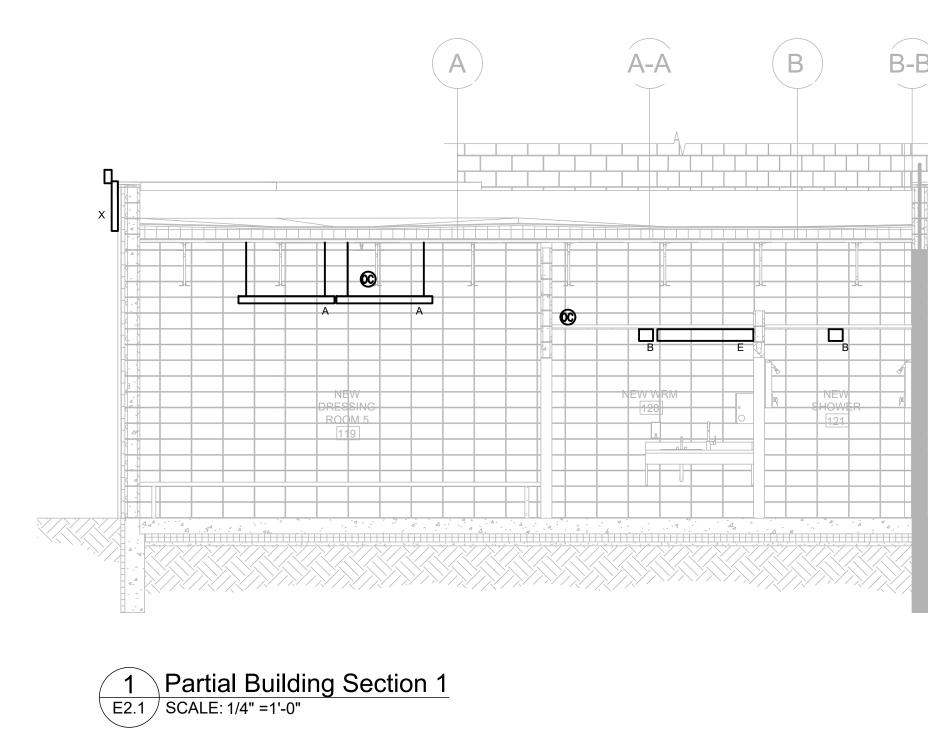


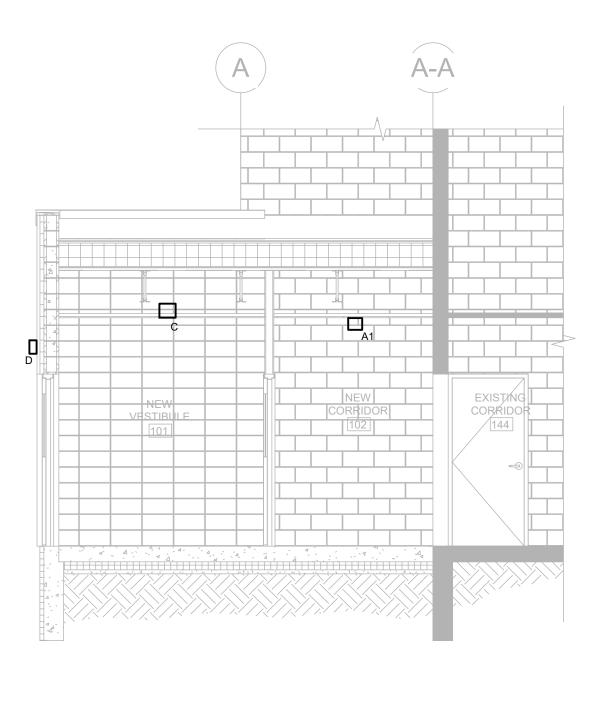


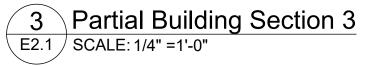
3 Main Floor Key Plan E2.0 SCALE: NTS

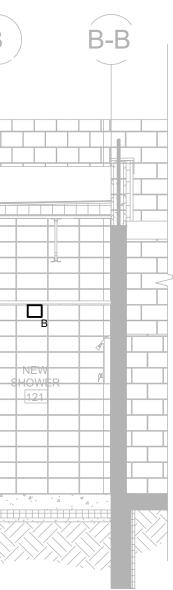


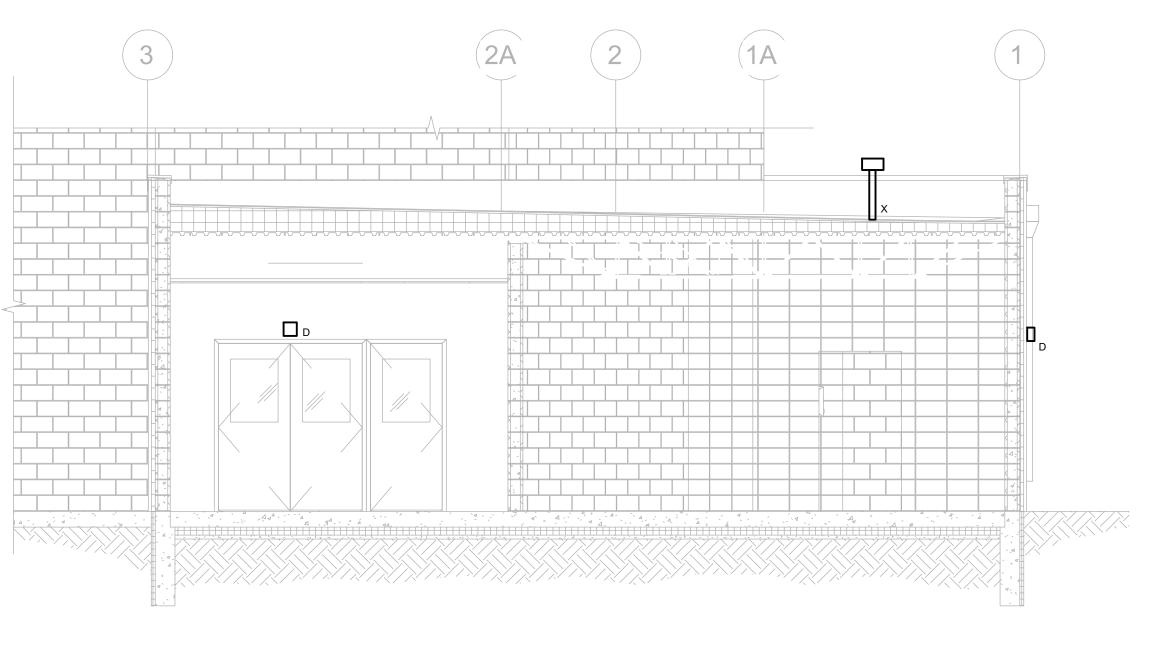
	Bearsoa Associates of the form
	P: 780 532 4919 F: 780 532 4739 Grande Prairie 10940-92 Ave, Grande Prairie, AB T8V 6B5 Calgary #102, 1212 - 1 St SE, Calgary, AB T2G 2H8 www.baseng.ca P: 780 532 4919 F: 780 532 4739
	March 27, 2023
	VALIDATION PERMIT TO PRACTICE BEAIRSTO & ASSOCIATES ENGINEERING LTD. RM SIGNATURE: RM APEGA ID #: DATE: PERMIT NUMBER : P243 The Association of Prefessional Engineers and Geoscientists of Alberta (APEGA)
	OWNER DRUMHELLER VALLEY
	Drumheller Memorial Arena Dressing Room Addition
	No. Description Date
	3 Issued for Tender Mar 30, 2023 2 Issued for Review Mar 9, 2023 1 Issued for Review Feb 8, 2023 NOTES: 1. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED OR ADVISED IN WRITING BY THE ENGINEER.
	 DO NOT SCALE THIS DRAWING. VERIFY ALL DIMENSIONS, DATUMS, AND LEVELS PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES OR OMISSIONS TO THE DESIGNER IMMEDIATELY. ALL WORK MUST COMPLY WITH THE MOST RECENT EDITION OF THE APPLICABLE BUILDING CODE, AND ANY OTHER GOVERNING AUTHORITY.
KEY NOTES: 1 DISCONNECT AND REMOVE EXISTING EXTERIOR LIGHT. PREPARE CIRCUIT FOR REUSE. 2 INSTALL NEW EXTERIOR ENTRANCE LIGHTING FIXTURE AS SHOWN. EXTEND CONDUIT AND WIRING AS REQUIRED TO UTILIZE EXISTING EXTERIOR LIGHTING CIRCUIT. 3 EXISTING EXTERIOR LIGHT TO BE RELOCATED AS SHOWN. EXTEND CONDUIT AND WIRING AS REQUIRED TO UTILIZE EXISTING EXTERIOR LIGHTING CIRCUIT. 4 DISCONNECT AND REMOVE EXISTING TEMPORARY DRESSING ROOM FEEDER COMPLETE WITH ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.	CHECKED BY: D. McGrath, P.Eng. ENGINEER: E. Runoh, P.Eng. PROJECT No: 22CEBD1000 DATE: March 2023 SCALE: As Indicated
 5 EXISTING HORN STROBE TO BE RELOCATED AS SHOWN. EXTEND CONDUIT AND WIRING AS REQUIRED. 6 EXISTING PULL STATION TO BE RELOCATED AS SHOWN. EXTEND CONDUIT AND WIRING AS REQUIRED. 7 PROVIDE NEW DUCT SMOKE DETECTOR INSTALLED AT THE MAIN MUA SUPPLY DUCT. DUCT SMOKE DETECTOR SHALL BE CONNECTED TO EXISTING FIRE ALARM PANEL IN A DEDICATED ZONE. PROVIDE CONNECTION TO FIRE ALARM CONTROL RELAY TO SHUTDOWN THE MUA IN THE EVENT OF DUCT SMOKE DETECTOR ALARM CONDITION. 8 CONTRACTOR SHALL HIRE THE SERVICES OF THE FIRE ALARM PANEL MANUFACTURER TO REPROGRAM THE PANEL, UPDATE THE ANNUNCIATOR UPGRADE THE DANEL AS DECUMPED AND TO VERIEV NEW INSTALLATION TO CAN/U C SE37. 	Partial Main Floor Lighting & Power & Systems Plan
THE ANNUNCIATOR, UPGRADE THE PANEL AS REQUIRED AND TO VERIFY NEW INSTALLATION TO CAN/ULC S537. SECURITY WORK SHALL BE BY TOTAL CONTROL SECURITY. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF REMOVAL AND INSTALLATION OF THE NEW SECURITY DEVICES. CONTACT MR. KYLE SUNTJENS AT KYLE@TOTALCONTROLSECURITY.CA JSIVE PROPERTY OF BEAIRSTO & ASSOCIATES ENGINEERING LTD. AND MAY NOT BE REPRODUCED IN ANY WAY OR FORM WITHOUT T	E2.0 2 4





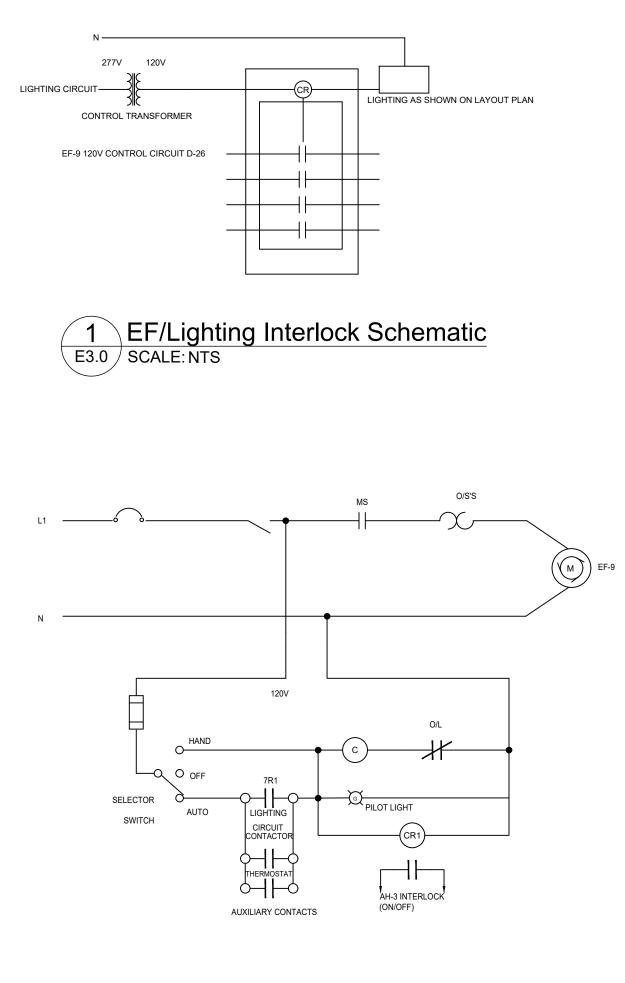


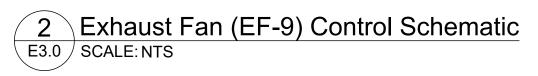


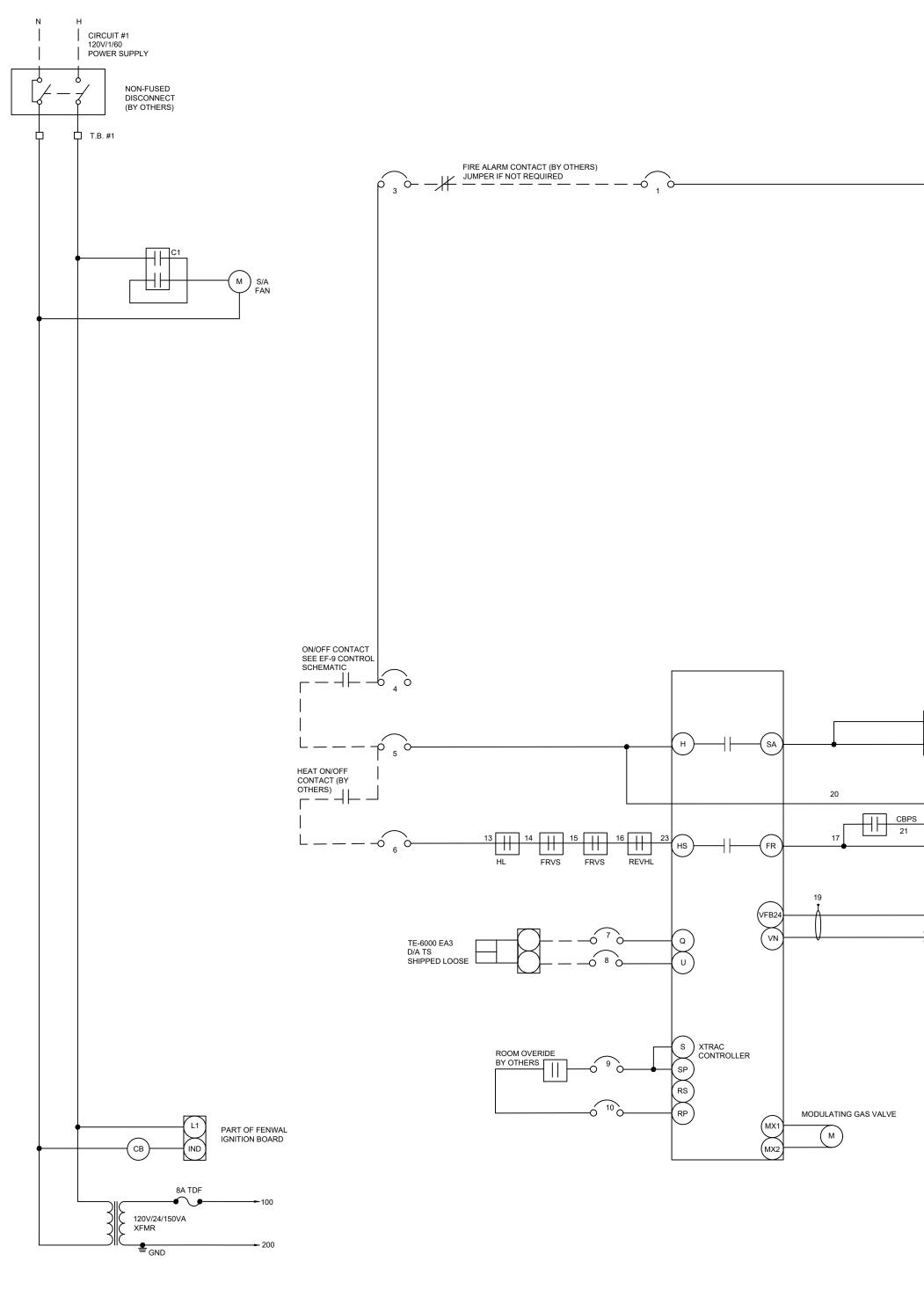


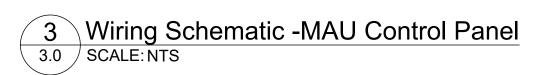
2 East Elevation Drawing E2.1 SCALE: 1/4" =1'-0"

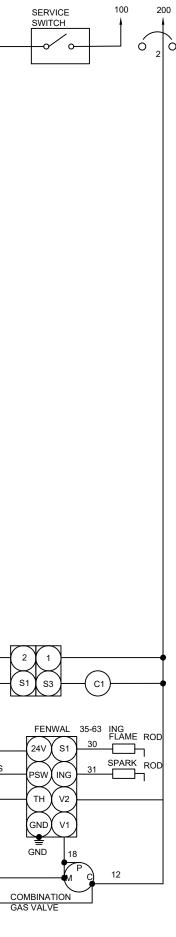
Grande Prairie 10940-92 Ave, Calgary #102, 1212 - 1 www.baseng.c P: 780 532 497 SEAL SEAL	Grande Prairie, AB T8V 6B5 St SE, Calgary, AB T2G 2H8 a 19 F: 780 532 4739	
RM SIGNAT RM APEGA		
DATE:	PERMIT NUMBER : P The Association of Prefessional En Geoscientists of Alberta (APE	gineers and
PROJECT	heller Memoressing Room	rial Arena
No.	Description	Date
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DESCRIPTION		Sections
	Lighting Pla	
DRAWING NO.	E2.1	SHEET 3 4











Grande P 10940-92 Calgary #102, 121 www.base P: 780 53 SEAL	Ave, Grande Prairie, AB T8V 6B5 12 - 1 St SE, Calgary, AB T2G 2H8 eng.ca 22 4919 F: 780 532 4739	NG LTD.
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