

FIXT. TYPE	LAMPS	VOLTAGE	DESCRIPTION	NOTES	APPROVED MANUFACTURERS
A	4x54W T5HO	120	WALL MOUNTED HIGH OUTPUT LUMAINAIRE WITH ADJUSTABLE MOUNTING BRACKETS WITH 110 DEGREE RANGE. CEC SECTION 18 DIV 1 EXPLOSIVE PROOF LUMINAIRE. IP66 PAINT SPRAY BOOTH APPROVED	2	COOPER CROUSE-HINDS: XPFMax Performer/al ZP-4-4-5-7-3 -SMV Mounting bracket: ZP1093MTK
АА	4x54W T5HO	120	PENDANT MOUNTED HIGH OUTPUT LUMINAIRE. CEC SECTION 18 CLASS 1 DIV 1 EXPLOSIVE PROOF LUMINAIRE. IP66 PAINT SPRAY BOOTH APPROVED	1	COOPER CROUSE-HINDS: XPFMax Performer/al ZP-4-4-5-7-1-SMV Pendant mounting kit: ZP1095MTK

NOTE 2: ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ANGLES BRACKET FOR MOUNTING FIXTURE ON WALL. BRACKET TO BE IDENTICAL TO PAINT BOOTH #1. 

LUMINAIRE SCHEDULE

### ELECTRICAL SPECIFICATION

### SECTION 26 05 00 COMMON WORK RESULTS - FOR ELECTRICAL

- .1 PROVIDE ALL MATERIALS, LABOUR, PLANT AND EQUIPMENT NECESSARY TO MAKE A COMPLETE INSTALLATION AS DESCRIBED AND
- SHOWN. THIS INSTALLATION SHALL BE LEFT COMPLETE AND READY FOR OPERATION. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE CITY. REPLACE AT NO ADDITIONAL COST ANY WORK OR MATERIAL WHICH MAY FAIL OR PROVE DEFECTIVE DURING THE GUARANTEE PERIOD. .3 THE INSTALLATION SHALL CONFORM IN EVERY RESPECT TO THE RULES AND REGULATIONS OF THE LATEST EDITION OF THE
- CANADIAN ELECTRICAL CODE AND ALL LOCAL CODES. ALL WORK SHALL BE UNIFORM AND HIGH QUALITY. ALL EQUIPMENT SUPPLIED UNDER THIS CONTRACT SHALL BE NEW AND BUILT IN ACCORDANCE WITH EEMAC STANDARDS, SHALL BE CSA CERTIFIED OR CERTIFIED BY AN EQUIVALENT RECOGNIZED CERTIFYING AGENCY TO MEET CANADIAN STANDARDS AND LOCALLY APPROVED. ELECTRICAL EQUIPMENT CONSISTING OF INDIVIDUAL CERTIFIED COMPONENTS MUST ALSO HAVE A CSA OR EQUIVALENT CERTIFICATION FOR THE ENTIRE ASSEMBLY. PROVIDE INSPECTION CERTIFICATE UPON COMPLETION OF THE WORK.
- .4 CAREFULLY EXAMINE ALL PLANS AND SPECIFICATIONS PERTAINING TO THIS CONTRACT AND VISIT SITE TO DETERMINE ALL FACTORS AFFECTING COSTS AND INCLUDE SAME IN BID. NOTIFY CONTRACT ADMINISTRATOR OF DISCREPANCIES OR CONFLICTS WITH ANY REGULATION BEFORE SUBMITTING PRICE. FAILING SUCH NOTIFICATION, THIS SUB-CONTRACTOR SHALL MEET ALL SUCH REQUIREMENTS WITHOUT EXTRA COST TO THE CITY.
- OBTAIN ALL NECESSARY PERMITS, PAY ALL NECESSARY FEES, GIVE ALL NECESSARY NOTICES AND OBTAIN APPROVAL OF THE ELECTRICAL AUTHORITIES HAVING JURISDICTION.

SUBMIT SIX (6) COPIES OF SHOP DRAWINGS FOR ALL EQUIPMENT. EQUIPMENT PROPOSED SHALL MEET THE SAME STANDARDS OF PERFORMANCE, QUALITY AND WORKMANSHIP AS THAT SPECIFIED. IDENTIFY ALL CIRCUITS IN PANELS, JUNCTION BOXES, EQUIPMENT AND CONTROLS.

## 3 AS-BUILTS

PROVIDE COPIES OF "AS-BUILT" DRAWINGS IN AUTOCAD FORMAT. IDENTIFY ALL CIRCUITS IN PANELS, JUNCTION BOXES, EQUIPMENT AND CONTROLS.

### 4 OPERATION AND MAINTENANCE MANUALS

PROVIDE DATA FOR INCORPORATION INTO MAINTENANCE MANUAL. MANUAL SHALL INCLUDE INSTRUCTIONS FOR ALL EQUIPMENT SUPPLIED, COPY OF REVIEWED SHOP DRAWINGS AND TECHNICAL DATA SUCH AS PARTS LISTS, OPERATING INSTRUCTIONS, MAINTENANCE INSTRUCTIONS, ETC. THREE (3) HARD COVER COPIES OF MAINTENANCE MANUALS ARE TO BE SUBMITTED.

- .1 MOUNTING HEIGHT IS CENTRELINE OF EQUIPMENT ABOVE FINISHED FLOOR. IF MOUNTING HEIGHT IS NOT INDICATED VERIFY BEFORE PROCEEDING WITH INSTALLATION. MOUNT SAME HEIGHT AS EXISTING IF DIFFERENT FROM THAT SHOWN HERE UNLESS INDICATED OTHERWISE ON DRAWING.
- .2 MOUNTING HEIGHTS .1 MOUNTING HEIGHT OF EQUIPMENT IS FROM FINISHED FLOOR TO CENTRELINE OF EQUIPMENT UNLESS INDICATED OTHERWISE. .2 HEIGHTS AS ABOVE OR AT BOTTOM OF NEAREST BLOCK OR BRICK COURSE EXCEPT WHERE REQUIRED TO COMPLY WITH MANITOBA BUILDING CODE, OTHER APPLICABLE CODES, AUTHORITIES HAVING JURISDICTION, ETC. .3 HEIGHTS TO MATCH EXISTING WHERE APPLICABLE EXCEPT WHERE REQUIRED TO COMPLY WITH MANITOBA BUILDING CODE, OTHER APPLICABLE CODES, AUTHORITIES HAVING JURISDICTION, ETC.

### 6 26 05 05 WORK IN EXISTING BUILDING .1 CO-ORDINATION.

- THE BUILDING SHALL REMAIN OPEN AND IN NORMAL OPERATION DURING THE CONSTRUCTION PERIOD. .2 WHERE EXISTING SERVICES SUCH AS ELECTRICAL POWER, FIRE ALARM SYSTEM, SOUND SYSTEM, ETC. ARE REQUIRED TO BE DISRUPTED AND/OR SHUT DOWN, CO-ORDINATE THE SHUTDOWNS WITH THE CITY AND CARRY OUT THE WORK AT A TIME AND IN A MANNER ACCEPTABLE TO THEM. CAREFULLY SCHEDULE ALL DISRUPTION AND/OR SHUT-DOWNS AND ENSURE THAT THE DURATION OF SAME IS KEPT TO THE ABSOLUTE MINIMUM. SUBMIT FOR APPROVAL A WRITTEN, CONCISE SCHEDULE OF EACH DISRUPTION AT LEAST 120 HOURS IN ADVANCE OF PERFORMING WORK AND OBTAIN CITY'S
- WRITTEN CONSENT PRIOR TO IMPLEMENTING. .3 SHOULD ANY TEMPORARY CONNECTIONS BE REQUIRED TO MAINTAIN SERVICES DURING WORK IN THE EXISTING BUILDING, SUPPLY AND INSTALL ALL NECESSARY MATERIAL AND EQUIPMENT AND PROVIDE ALL LABOUR AT NO EXTRA COST. SHOULD ANY EXISTING SYSTEM BE DAMAGED, MAKE FULL REPAIRS WITHOUT EXTRA COST, AND TO THE SATISFACTION OF THE CITY AND CONTRACT ADMINISTRATOR. .4 IF EXISTING EQUIPMENT SHOWN ON DRAWINGS IS DEFECTIVE IT SHOULD BE BROUGHT TO THE CONTRACT ADMINISTRATOR
- INSTALL BOXES, CONDUIT AND WIRING THROUGH EXISTING AREAS AS REQUIRED FOR THE NEW INSTALLATION.
- .2 ADD MODULES, SWITCHES, ETC. IN EXISTING CONTROL PANELS, AS REQUIRED, TO EXTEND EXISTING SYSTEMS TO NEW OR RENOVATED AREAS.
- .3 PATCH AND REPAIR WALLS AND CEILINGS IN EXISTING AREAS THAT HAVE BEEN DAMAGED OR CUT OPEN DUE TO THE NEW ELECTRICAL INSTALLATION.
- .4 WHERE NEW CABLES OR CONDUITS HAVE BEEN INSTALLED THROUGH EXISTING FIRE RATED WALLS, SEAL OPENING AROUND CABLES AND CONDUIT TO MAINTAIN FIRE RATING. .3 ALL EXISTING EQUIPMENT REUSED SHALL BE MADE GOOD AND GUARANTEED.
- .4 POWER INTERRUPTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE A TIME SUITABLE TO THE BUILDING OCCUPANT(S).

### 7 26 05 21 WIRES AND CABLE .1 FOR GENERAL PURPOSE WIRING: RW90 CONDUCTORS IN THREADED RIGID METAL CONDUIT. USE AC90 FOR FIXTURE DROPS AND

- IN METAL STUD WALLS. .2 RUN ALL CONDUIT AND CABLE CONCEALED, PARALLEL AND PERPENDICULAR TO BUILDING LINES, STAPLED AND/OR CLIPPED IN
- A NEAT WORKMANLIKE MANNER. .3 ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG EXCEPT AS NOTED.
- .4 IDENTIFY ALL CIRCUITS IN PANELS, JUNCTION BOXES, EQUIPMENT AND CONTROLS. .5 SHALL COMPLY WITH CEC SECTION 18-106 WIRING METHODS, CLASS 1 ZONE 1.

AND CITY'S ATTENTION PRIOR TO WORK COMPLETION.

## 8 26 05 26 GROUNDING

- .1 THE ENTIRE INSTALLATION SHALL BE GROUNDED IN CONFORMANCE TO THE LATEST EDITION OF THE CANADIAN ELECTRICAL
- .2 ALL CONDUIT TO HAVE A SEPARATE INSULATED GROUND CONDUCTOR.
- 9 26 05 32 OUTLET BOXES, CONDUIT BOXES AND FITTINGS .1 OUTLET, JUNCTION AND SWITCH BOXES SHALL BE GALVANIZED STEEL AND SIZED ACCORDING TO THE ELECTRICAL CODE AND TO SUIT EACH APPLICATION.
- .2 CAST TYPE WITH GASKETED COVERS WHERE EXPOSED TO MOISTURE OR WEATHER OR WHERE SPECIFIED. .3 EXPLOSION PROOF IN HAZARDOUS AREAS TO SUIT THE HAZARDOUS CLASSIFICATION.

## 10 26 27 26 WIRING DEVICES

- PROVIDE WIRING DEVICES FOR ALL OUTLETS AS REQUIRED AND INDICATED. COLOUR AND MOUNTING TO MATCH EXISTING. .2 STANDARD OF ACCEPTANCE FOR DEVICES SHALL BE AS FOLLOWS: .1 SINGLE POLE, 2-POLE, 3-WAY AND 4-WAY WALL MOUNTED GENERAL PURPOSE SWITCHES SHALL BE PREMIUM SPECIFICATION TOGGLE TYPE 15A 125VAC. TO BE SERIES HUBBELL #1201, ARROW HART #1891, BRYANT #4801 OR
- LEVITON #1201. .3 COVERPLATES FOR DEVICES SHALL BE STAINLESS STEEL.

## 11 26 51 13 LIGHTING

- PROVIDE FIXTURES EQUAL TO THOSE SPECIFIED WITH LAMPS, PENDANT KITS, MOUNTING BRACKETS, LENSES AND ALL OTHER ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATION.
- .2 FLUORESCENT FIXTURE BALLASTS SHALL BE T5HO ELECTRONIC TYPE. BALLAST MUST BE LISTED BY MANITOBA HYDRO AS ACCEPTABLE BY THEIR POWER SMART REBATE PROGRAM.

3 |19/JULY/12 ISSUED FOR ADDENDUM

| 15/JUNE/12 ISSUED FOR 99% SUBMISSION

Issue/Revision

2 05/JULY/12 ISSUED FOR BID

Date

## 12 26 05 34 CONDUITS, CONDUIT FASTENERS AND FITTINGS

- .1 DRAWINGS DO NOT INDICATE ALL CONDUIT AND CABLE RUNS. THOSE INDICATED ARE IN DIAGRAMMATIC FORM ONLY.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS INDICATED OTHERWISE. ALL CONDUITS SHALL HAVE A SEPARATE INSULATED GREEN GROUND CONDUCTOR.
- .4 SHALL COMPLY WITH CEC SECTION 18-108 SEALING, CLASS 1, ZONE 1. .5 ONE HOLE STEEL STRAPS TO SECURE SURFACE CONDUITS 50MM AND SMALLER.
- FITTINGS FOR RACEWAYS: TO CSA C22.2 NO. 18
- .7 FITTINGS: MANUFACTURED FOR USE WITH CONDUIT SPECIFIED COATING SAME AS CONDUIT. .8 FACTORY "ELLS" WHERE 90" BENDS ARE REQUIRED FOR 25MM AND LARGER CONDUITS.
- .9 RIGID STEEL CONDUIT, THREADED.

- 13 CONDUIT AND CABLE IDENTIFICATION
- .1 COLOUR CODE CONDUITS, BOCESAND METALLIC SHEATHED CABLE. .2 COLOUR CODING TO MATCH EXISATING WHERE APPLICABLE.
- .3 CONFIRM COLOUR CODING WITH CITY AND CONTRACT ADMINISTRATOR PRIOR TO START OF WORK. .4 CODE WITH PLASTIC TAPE OR PAINT AT POINTS WHERE CONDUIT OR VALE ENTERS WALL, CEILING OR FLOOR AT 15M INTERVALS. .5 COLOURS: 25mm WIDE PRIME COLOUR AND 20mm WIDE AUXILLIARY COLOUR.
- YELLOW

### UP TO 250V (NORMAL POWER) FIRE ALARM

- 6 OTHER CONDUIT SYSTEMS AS DIRECTED ON SITE; ALL CONDUIT SYSTEMS SHALL BE IDENTIFIED .7 COLOUR OUTLET BOX COVERS TO BE COLOUR DESIGNATED AND SHOW CIRCUIT NUMBERS IN BLACK FELT MARKER ON INSIDE
- 14 EQUIPMENT IDENTIFICATION

EMERGENCY VOICE

- .1 IDENTIFY ELECTRICAL EQUIPMENT WITH NAMEPLATES AND LABELS AS FOLLOWS:
- .2 NAMEPLATES: LAMICOID 3mm THICK PLASTIC ENGRAVING SHEET, WHITE FACE WITH BLACK CORE (WHITE WITH BLACK LETTERS) LETTERING ACCURATELY ALIGNED AND ENGRAVED INTO CORE MECHANICALLY, ATTACHED WITH SELF TAPPING SCREWS. LETTERS
- TO BE MINIMUM 5mm HIGH. .3 WORDING ON NAMEPLATES AND LABELS TO BE APPROVED BY CONTRACT ADMINISTRATOR PRIOR TO MANUFACTURE.
- .4 LOW FOR MINIMUM OF TWENTY-FIVE (25) LETTERS PER NAMEPLATE AND LABELS. .5 NAMEPLATES FOR TERMINAL CABINETS, STARTERS AND CONTACTORS: INDICATE EQUIPMENT BEING CONTROLLED AND VOLTAGE.
- .6 ROOM NAMES AND NUMBERS USED SHALL BE ACTUAL ROOM NAMES AND NUMBERS THAT WILL BE USED ON THE PROJECT. COORDINATE AND CONFIRM WITH TRADES INVOLVED.
- .7 TO MATCH EXISTING WHERE APPLICABLE.

	SYMBOL LEGEND
	SURFACE MOUNTED PANEL
A1-a	FLUORESCENT FIXTURE, A1—PANEL AND CIRCUIT, a—CONTROL
	LIGHT FIXTURE CONNECTED TO UNSWITCHED NIGHT LIGHT CIRCUIT
\$	SWITCH
$\otimes$	JUNCTION BOX
44	CLASS 1 DIV 1 HAZARDOUS REMOTE HEAD (LUMACELL SI—R520FXP—20 OR SIMILAR)
E-*	CLASS 1 DIV 1 HAZARDOUS EXIT SIGN C/W 144W BATTERY (LUMACELL RG-144-36-X-RE1-0-12W-S1)

\* PLEASE NOTE \*

ALL EQUIPMENT SHOWN "FADED BACK" IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

PANEL: <b>PBL</b> FED FROM:				CATION CATION		09 SH	OPAR	EA#1
Designation	Load	Ckt.	bkr.	Phase	Ckt.	bkr.	Load	Designation
	(VA)	Trip	No.		No.	Trip	(VA)	
BOOTH #4 - WEST WALL LIGHTS	1080	15	1	A	22	15		BOOTH 3 - EAST WALL LIGHTS (EXISTING)
BOOTH #4 - SOUTH WALL /CEILING LIGHTS		15	2	В	23	15		BOOTH 3 - EAST CEILING LIGHTS (EXISTING)
300TH #4 - EAST WALL LIGHTS		15	3		24	15		BOOTH 3 - WEST WALL LIGHTS (EXISTING)
BOOTH #4 - NORTH CEILING LIGHTS		15				15		BOOTH 3 - WEST CEILING
BOOTH #4 - WEST CEILING LIGHTS		15	4		25	15		LIGHTS (EXISTING) NIGHT LIGHTS &
BOOTH #4 - WEST CEILING LIGHTS	1080	15	5	В	26	15		AIR SOLENOIDS (EXISTING) BOOTH 2 - EAST WALL
SPARE	1080	15	6	С	27	15		LIGHTS (EXISTING) BOOTH 2 - EAST CEILING
			7	Α	28	,,,		LIGHTS (EXISTING)
SPARE		15	8	В	29	15		BOOTH 2 - WEST WALL LIGHTS (EXISTING)
SPARE		15	9	С	30	15		BOOTH 2 - WEST CEILING LIGHTS (EXISTING)
SPARE		15	10		31	15		BOOTH 1 - N.L. (EXISTING)
SPARE		15						BOOTH 1 - LIGHTS
			11	В	32			(EXISTING)
SPARE		15	12	С	33			
NETWORKHUB		15	13	A	34			
(EXISTING)		10	14		35			
			15	С	36			
			16	A	37			
			17	В	38			
			18	С	39			
			19	Α	40			
			20	В	41			
			21	С	42			
VOLTAGE:	120/2	08V.	_	w	LOA	DS-	PH.A	1944
	100A						PH.B	
MOUNTING:	SURF	ACE					PH.C	
REMARKS:	EXIST	ING					TOTAL	. 6264
NOTE: ALL BREAKERS ARE EXISTING.								
								DANEL SCHEDULE
SMS ENGINEERING  SMS Engineering Ltd. Consulting Engineers 770 Bradford Street Winnipeg MB Canada R3H 0N3								PANEL SCHEDULE PBL FORT ROUGE PAINT BOOTH PROJECT: RENOVATION
Telephone 204.775.0291 Fax 204.772.2153								FILE: 12-106-01
sms@smseng.com								DATE: 19-Jul-12



ORIGINAL CONTRACT DRAWING

SIGNED AND SEALED BY C.J. HEWITT, P. ENG

JULY 05, 2012

SMS ENGINEERING Certificate of Authorization SMS Engineering Ltd. Consulting Engineers SMS Engineering Ltd. 770 Bradford Street Winnipeg MB Canada R3H 0N3 Telephone 204.775.0291 Fax 204.772.2153 No. 166 Expiry: April 30, 2013 2-106-01 sms@smseng.com 300-275 Carlton Street

Winnipeg, Manitoba R3C 5R6 T 204. 943. 7501 F 204. 943. 7507 Crosier Kilgour & Partners Ltd

CONSULTING STRUCTURAL ENGINEERS

WINNIPEG TRANSIT - PAINT BOOTH #4 RENOVATION 421 OSBORNE ST WINNIPEG, MANITOBA

The General Contractor shall check & verify all dimensions and report any errors or omissions to the designers

PAINT BOOTH #4 LIGHTING LAYOUT ELECTRICAL SPÉCIFICATION AND SCHEDULES necked WPD CJH APRIL 2012 12-106-0 AS NOTED

. . . . . . . . . . . . . . . . 

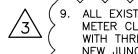
-AREA OF WORK

# GENERAL NOTES

- A. FULL INSTALLATION TO MEET CEC SECTION 18, CLASS 1, ZONE 1 REQUIREMENTS.
- B. ELECTRICAL SUB-CONTRACTOR TO VISIT SITE DURING BID AND VERIFY ALL EXISTING SERVICES ON SITE PRIOR TO SUBMITTING BID. REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR DURING BID PERIOD.
- C. ELECTRICAL SUB-CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONTRACT ADMINISTRATOR, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL
- D. COORDINATE MOUNTING HEIGHTS AND LOCATION OF ALL FIXTURES WITH THE CITY PRIOR TO INSTALLATION.
- E. USE ELECTRICAL EQUIPMENT INTENDED FOR USE IN CLASS 1, ZONE 1 HAZARDOUS LOCATIONS AND EQUIPMENT SHALL BE MARKED IN ACCORDANCE TO CEC SECTION 18-052 MARKING.
- F. THE CONDUIT SHALL BE THREADED RIGID METAL WITH ASSOCIATED CABLE GLANDS THAT COMPLY WITH THE REQUIREMENTS OF CEC SECTION 18-106.
- G. EXPLOSION PROOF OR FLAME-PROOF BOXES, FITTINGS AND JOINTS SHALL BE THREADED FOR CONNECTION TO CONDUIT AND CABLE GLANDS.
- H. ALL FIXTURE TYPES SHALL MEET CEC SECTION 18-118 LUMINAIRES, CLASS 1, ZONE 1.
- I. REPORT ANY EQUIPMENT WHICH DOES NOT MEET CLASS 1 ZONE 1 REQUIREMENTS TO CONTRACT ADMINISTRATOR.
- J. FIRE STOP ALL PENETRATIONS.

## KEY NOTES #

- 1. WIRE AND INSTALL FIXTURE TYPE 'AA'. FIXTURE AND MOUNTING PENDANT TO BE SUPPLIED BY THE CITY. FIXTURE TYPE 'AA' TO BE SUSPENDED 1 FOOT FROM CEILING. ELECTRICAL SUB-CONTRACTOR TO PROVIDE 1 FOOT OF THREADED RIGID METAL CONDUIT. PENDANT MOUNTING HARDWARE TO BE COORDINATED WITH CARRIER CHANNEL LOCATIONS IN CEILING.
- 2. AREA IS DEFINED AS CLASS 1 ZONE 2 WITHIN 1M HORIZONTAL AND VERTICAL OF DOOR. ALL EQUIPMENT WITHIN ZONE TO BE HAZARDOUS RATED. CONDUIT TO BE THREADED. RIGID STEEL. WHERE POSSIBLE, INSTALL EQUIPMENT AND CONDUIT MORE THAN 1 METER FROM DOOR.
- 3. WIRE AND INSTALL FIXTURE TYPE 'A'. FIXTURE AND MOUNTING BRACKET TO BE SUPPLIED BY THE CITY. FIXTURE TYPE 'A' TO BE WALL MOUNTED APPROX. 2 FEET FROM CEILING.
- 4. FIXTURE TO BE WIRED TO EXISTING NIGHT LIGHT CIRCUIT. CCT-31. CHECK FOR SPARE CAPACITY ON THIS CIRCUIT BEFORE WIRING TO IT. WIRE TO NEAREST AVAILABLE NIGHT LIGHT CIRCUIT WITH CAPACITY IF THERE IS NOT SUFFICIENT CAPACITY ON CCT-31.
- 5. RE-USE EXISTING 15A-1P BREAKERS THAT WERE MADE AVAILABLE DURING DEMOLITION.
- 6. INSTALL LIGHT SWITCHES MINIMUM 1M FROM DOOR OPENING.
- 7. FIXTURE IN HIGH CEILING AREA IS TO BE MOUNTED TO THE SAME HEIGHT ABOVE FLOOR AS FIXTURES IN LOWER CEILING
- 8. EXISTING CONDUITS THAT HAVE BEEN ON TEMPORARY SUPPORTS ARE TO BE CLIPPED ONTO NEW CEILING.



ALL EXISTING EMT CONDUITS AND BX CABLING WITHIN 1 METER CLEARANCE OF THE ENTRANCE SHALL BE REPLACED WITH THREADED RIGID STEEL CONDUIT. SPLICE CABLE WITHIN NEW JUNCTION BOXES 1 METER EITHER SIDE OF DOOR AND TIE NEW THREADED CONDUIT INTO EXISTING. TRACE CIRCUITS WITHIN THESE CONDUITS AND COORDINATE WITH THE CITY PRIOR TO THIS PROCEDURE. RE-LOCATE ALL ELECTRICAL EQUIPMENT/DEVICES WHICH ARE NOT HAZARDOUS RATED OUTSIDE OF CLASS 1 ZONE 2 AREA.

10. SEAL ALL NEW AND EXISTING CONDUITS (INSIDE AND OUT) WHICH PASS THROUGH PERIMETER WALL, SHALL MEET CEC SECTION 18-108 SEALING CLASS 1 ZONE 1.