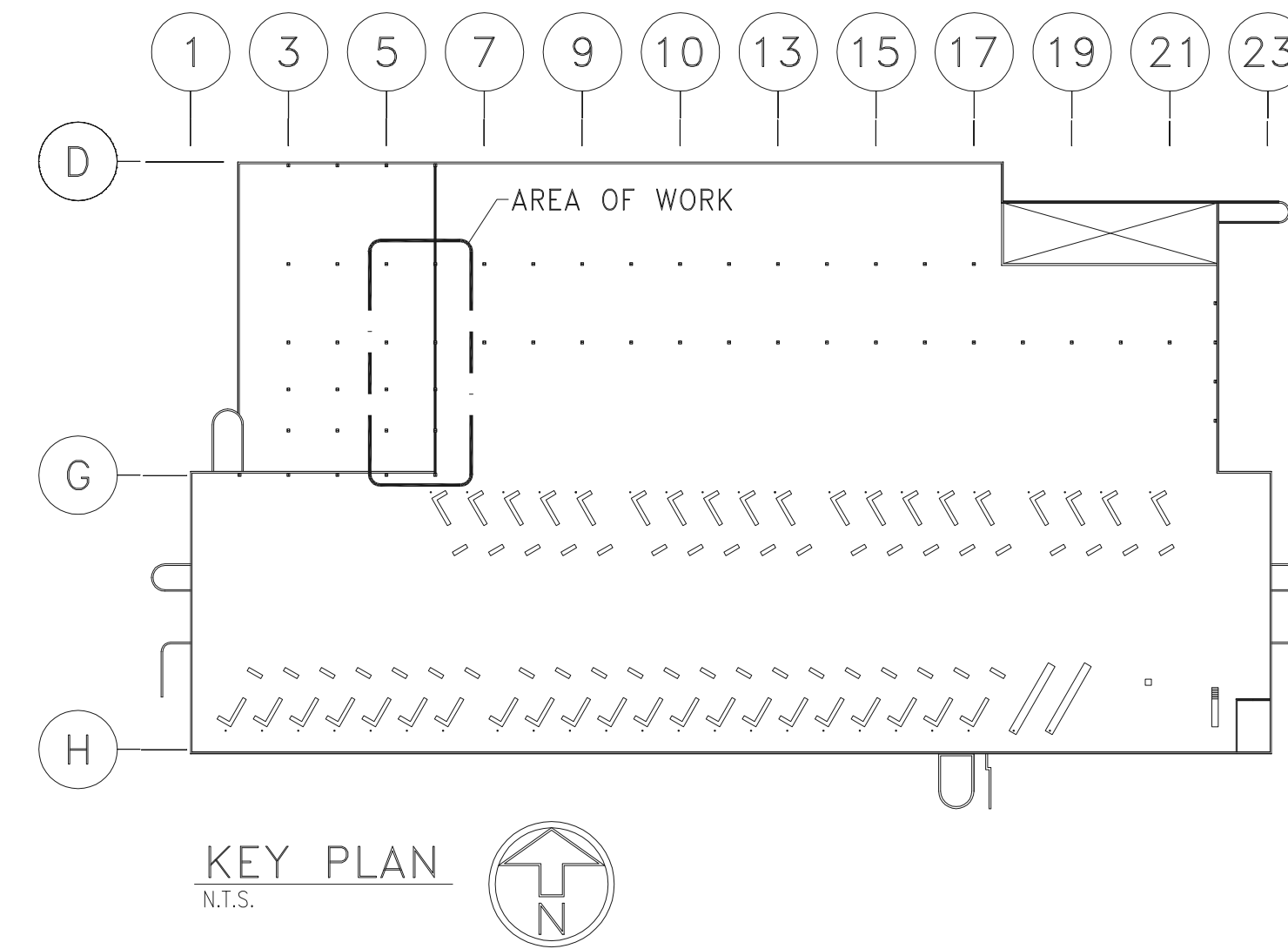


**ELECTRICAL SPECIFICATION**  
SECTION 26 05 00 COMMON WORK RESULTS - FOR ELECTRICAL

- 1 GENERAL**
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.
  2. 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 EMAC 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.
  5. OBTAIN ALL NECESSARY PERMITS, PAY ALL NECESSARY FEES, GIVE ALL NECESSARY NOTICES AND OBTAIN APPROVAL OF THE ELECTRICAL AUTHORITIES HAVING JURISDICTION.
- 2 SHOP DRAWINGS**
1. SUBMIT SIX (6) COPIES OF SHOP DRAWINGS FOR ALL EQUIPMENT.
  2. EQUIPMENT PROPOSED SHALL MEET THE SAME STANDARDS OF PERFORMANCE, QUALITY AND WORKMANSHIP AS THAT SPECIFIED.
  3. IDENTIFY ALL CIRCUITS IN PANELS, JUNCTION BOXES, EQUIPMENT AND CONTROLS.
- 3 AS-BUILTS**
1. PROVIDE COPIES OF "AS-BUILT" DRAWINGS IN AUTOCAD FORMAT.
  2. IDENTIFY ALL CIRCUITS IN PANELS, JUNCTION BOXES, EQUIPMENT AND CONTROLS.
- 4 OPERATION AND MAINTENANCE MANUALS**
1. 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.
- 5 MOUNTING HEIGHTS**
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 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
    1. 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 AND CITY'S ATTENTION PRIOR TO WORK COMPLETION.
  2. INSTALLATION
    1. 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.
- 8 26 05 26 GROUNDING**
1. THE ENTIRE INSTALLATION SHALL BE GROUNDED IN CONFORMANCE TO THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE.
  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**
1. 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**
1. 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.
- 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.
  2. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS INDICATED OTHERWISE.
  3. 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.
  6. FITTINGS FOR RACEWAYS: TO CSA C22.2 NO. 18
  7. FITTINGS: MANUFACTURED FOR USE WITH CONDUIT SPECIFIED COATING SAME AS CONDUIT.
  8. FACTORY "ELBS" 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 EXISTING 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 VOLE ENTERS WALL, CEILING OR FLOOR AT 15M INTERVALS.
  5. COLOURS: 25mm WIDE PRIME COLOUR AND 20mm WIDE AUXILIARY COLOUR.
- |                                                                                                                        | PRIME  | AUXILIARY |
|------------------------------------------------------------------------------------------------------------------------|--------|-----------|
| UP TO 250V (NORMAL POWER)                                                                                              | YELLOW |           |
| FIRE ALARM                                                                                                             | RED    |           |
| EMERGENCY VOICE                                                                                                        |        | BLUE      |
| 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 OF COVERS. |        |           |
- 14 EQUIPMENT IDENTIFICATION**
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
	FLUORESCENT FIXTURE, A1-PANEL AND CIRCUIT, α-CONTROL
	LIGHT FIXTURE CONNECTED TO UNSWITCHED NIGHT LIGHT CIRCUIT
	SWITCH
	JUNCTION BOX
	CLASS 1 DIV 1 HAZARDOUS REMOTE HEAD (LUMACELL SI-RS20XP-20 OR SIMILAR)
	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.

Designation	Unit	Qty	Phase	Loc	Unit	Qty	Phase	Loc	Designation
BOOTH #4 - WEST WALL LIGHTS	1080	15	A	22		15			BOOTH 3 - EAST WALL LIGHTS (EXISTING)
BOOTH #4 - SOUTH WALL CEILING LIGHTS	1080	15	B	33		15		BOOTH 3 - EAST CEILING LIGHTS (EXISTING)	
BOOTH #4 - EAST WALL LIGHTS	1080	15	C	24		15		BOOTH 3 - WEST WALL LIGHTS (EXISTING)	
BOOTH #4 - NORTH CEILING LIGHTS	804	15	A	25		15		BOOTH 3 - WEST CEILING LIGHTS (EXISTING)	
BOOTH #4 - WEST CEILING LIGHTS	1080	15	B	28		15		BOOTH 3 - WEST CEILING & AIR SOLENOIDS (EXISTING)	
SPARE	15	7	A	28		15		BOOTH 2 - EAST WALL LIGHTS (EXISTING)	
SPARE	15	9	C	38		15		BOOTH 2 - EAST WALL LIGHTS (EXISTING)	
SPARE	15	11	B	32		15		BOOTH 2 - WEST WALL LIGHTS (EXISTING)	
SPARE	15	12	C	33		15		BOOTH 2 - WEST CEILING LIGHTS (EXISTING)	
SPARE	15	13	A	34		15		BOOTH 1 - NLL (EXISTING)	
SPARE	15	14	B	35		15		BOOTH 1 - LIGHTS (EXISTING)	
SPARE	15	15	C	36		15			
SPARE	15	16	A	37		15			
SPARE	15	17	B	38		15			
SPARE	15	18	C	39		15			
SPARE	15	19	A	40		15			
SPARE	15	20	B	41		15			
SPARE	15	21	C	42		15			
VOLTAGE: 120/208V, 3Ø, 4W CAPACITY: 100A MOUNTING: SURFACE REMARKS: EXISTING									
TOTAL: 6264									

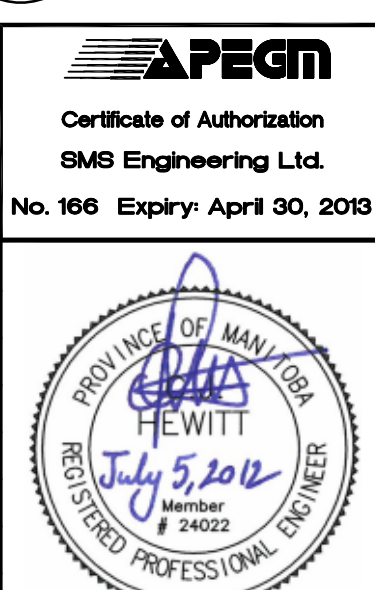
NOTE: ALL BREAKERS ARE EXISTING

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**PANEL SCHEDULE**  
PBL  
FORT RIDGE PAINT BOOTH RENOVATION

DATE:	12-106-01
FILE:	12-106-01
DATE:	05/JUL/12

**3 PANEL SCHEDULE**  
SCALE: NTS



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No.	Date	Issue/Revision	By
2	05/JULY/12	ISSUED FOR BID	DF
1	15/JUNE/12	ISSUED FOR 99% SUBMISSION	DF

**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 EQUIPMENT.
- 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 PROVIDED 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 HEIGHT AREA.
8. EXISTING CONDUITS THAT HAVE BEEN ON TEMPORARY SUPPORTS ARE TO BE CLIPPED ONTO NEW CEILING.
9. RELOCATE EXISTING EMT CONDUIT AND BX CABLEING MORE THAN 1 METER HORIZONTAL AND VERTICAL FROM DOOR OR REPLACE WITH THREADED RIGID STEEL CONDUIT AND EXPLOSION AND FLAME-PROOF BOXES.
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.

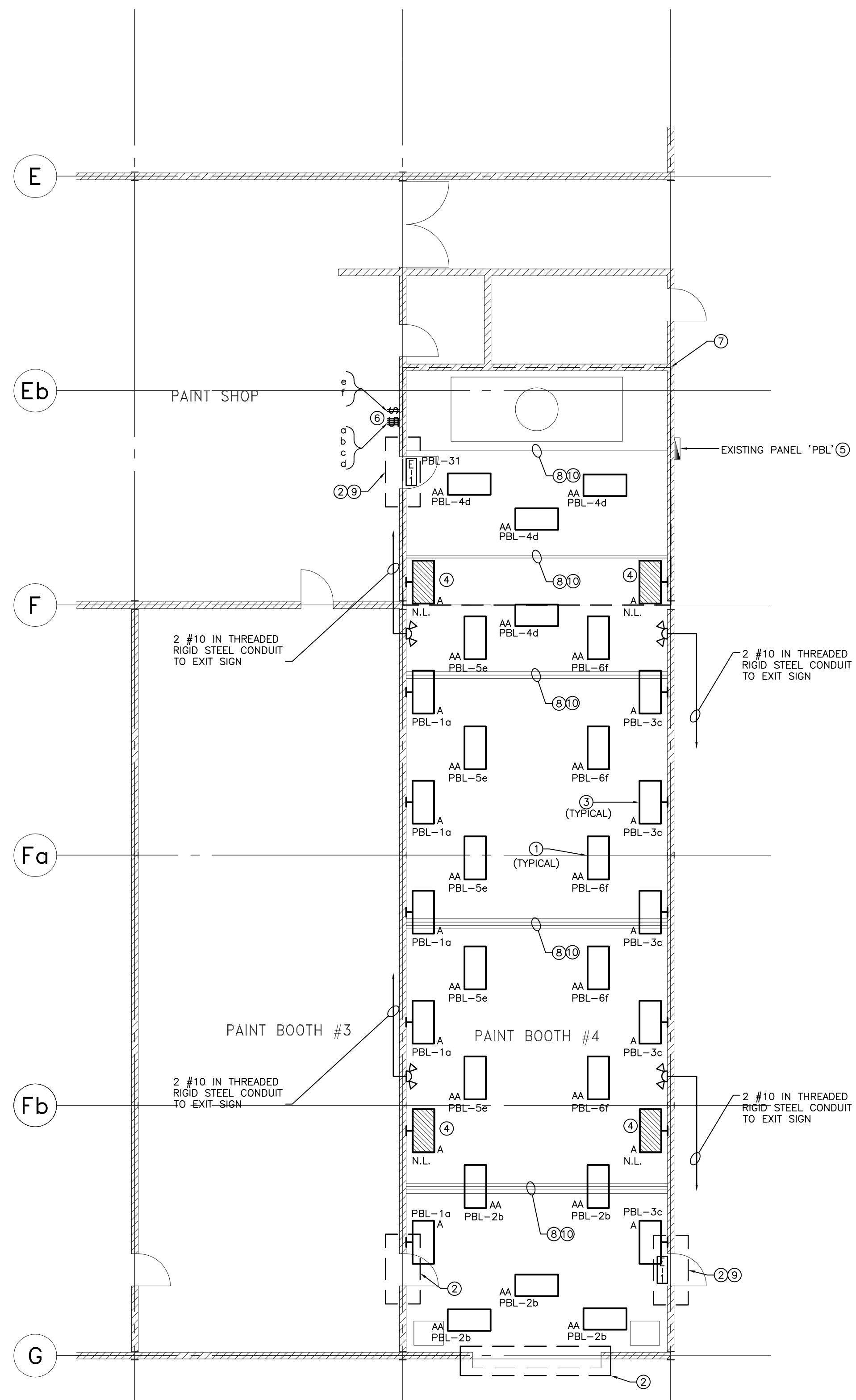
The General Contractor shall check & verify all dimensions and report any errors or omissions to the designers.

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

Sheet Title:  
**PAINT BOOTH #4 LIGHTING LAYOUT  
ELECTRICAL SPECIFICATION AND SCHEDULES**

Sheet No. **E-2**

Design: DF  
Drawn: WPD  
Checked: CJH  
Scale: AS NOTED  
Date: APRIL 2012  
File: 12-106-01



**1 PAINT BOOTH #4 - LIGHTING**  
SCALE: 1/8" = 1'-0"

PXT. TYPE	LAMPS	VOLTAGE	DESCRIPTION	NOTES	APPROVED MANUFACTURERS
A	4x54W TSHD	120	WALL MOUNTED HIGH OUTPUT LUMINAIRE WITH ADJUSTABLE MOUNTING BRACKETS WITH 110 DEGREE RANGE. CEC SECTION 18 DIV 1 EXPLOSIVE PROOF LUMINAIRE, IP66 PAINT SPRAY BOOTH APPROVED	1	COOPER-CROUSE-HINDS: XPFFMax Performer/ai ZP-4-4-5-1-3-5MV Mounting bracket: ZP1095MTK
AA	4x54W TSHD	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: XPFFMax Performer/ai ZP-4-4-5-1-1-SMV Pendant mounting kit: ZP1095MTK

NOTE1: FIXTURES AND ASSOCIATED BRACKETS AND PENDANT KITS TO BE SUPPLIED BY THE CITY.

**2 LUMINAIRE SCHEDULE**  
SCALE: NTS

PXT. TYPE	LAMPS	VOLTAGE	DESCRIPTION	NOTES	APPROVED MANUFACTURERS
A	4x54W TSHD	120	WALL MOUNTED HIGH OUTPUT LUMINAIRE WITH ADJUSTABLE MOUNTING BRACKETS WITH 110 DEGREE RANGE. CEC SECTION 18 DIV 1 EXPLOSIVE PROOF LUMINAIRE, IP66 PAINT SPRAY BOOTH APPROVED	1	COOPER-CROUSE-HINDS: XPFFMax Performer/ai ZP-4-4-5-1-3-5MV Mounting bracket: ZP1095MTK
AA	4x54W TSHD	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: XPFFMax Performer/ai ZP-4-4-5-1-1-SMV Pendant mounting kit: ZP1095MTK

NOTE1: FIXTURES AND ASSOCIATED BRACKETS AND PENDANT KITS TO BE SUPPLIED BY THE CITY.