

TERRA NOVA NATIONAL PARK NEWMAN SOUND OUTDOOR THEATRE ISSUED FOR TENDER SEPTEMBER 16, 2016

ELECTRICAL

ELECTRICAL CONSULTANT:

CROSBIE
ENGINEERING LTD.

C O N S U L T I N G E N G I N E E R S

21 Mews Place, 2nd Floor
P.O. Box 13295, Station "A"
St. John's, NL A1B 4A5

Tel: (709) 754-1911
Fax: (709) 754-1960
admin@crosbieeng.com

DRAWING LIST:

- E1 - LEGEND
- E2 - DEMOLITION PLAN
- E3 - NEW ELECTRICAL LAYOUT
- E4 - ELECTRICAL DETAILS

BROKEN LINE INDICATES EXISTING
SOLID LINE INDICATES NEW

R - DENOTES EXISTING DEVICE TO BE REMOVED C/W WIRING
AND CONDUIT BACK TO SOURCE.
RP - DENOTES EXISTING DEVICE TO BE REMOVED C/W WIRING,
CONDUIT TO REMAIN FOR REUSE IN NEW LAYOUT, WHERE POSSIBLE.
M - DENOTES EXISTING DEVICE TO REMAIN, MINOR RELOCATION (±150mm) MAY BE
REQUIRED TO ACCOMMODATE NEW LAYOUT; COORDINATE ON SITE.
MP - DENOTES EXISTING DEVICE TO REMAIN, REMOVE ALL ASSOCIATED WIRING BACK
TO SOURCE, PROVIDE NEW WIRING FROM EXISTING DEVICE TO NEW PANEL LOCATION,
EXTEND CONDUIT AS REQUIRED.
N - DENOTES NEW DEVICE IN EXISTING LOCATION C/W NEW WIRING.
NL - DENOTES NEW DEVICE IN NEW LOCATION C/W NEW CONDUIT AND WIRING.

ELECTRIC HEATING

ELECTRIC HEATER. SEE HEATER FIXTURE SCHEDULE AND/OR SPECIFICATION FOR DESCRIPTION.
 LOW VOLTAGE ELECTRONIC THERMOSTAT. MOUNT 1200mm ABOVE FINISH FLOOR.

LIGHTING

INCANDESCENT/HID/LED/COMPACT FLUORESCENT LIGHTING FIXTURE, CEILING MOUNTED. LETTER DENOTES TYPE. SEE LIGHTING FIXTURE SCHEDULE & SPECIFICATIONS FOR DESCRIPTION.
 INCANDESCENT/HID/LED/COMPACT FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED. LETTER DENOTES TYPE. SEE LIGHTING FIXTURE SCHEDULE & SPECIFICATIONS FOR DESCRIPTION.
 FLUORESCENT LIGHTING FIXTURE. LETTER DENOTES TYPE. SEE LIGHTING FIXTURE SCHEDULE & SPECIFICATIONS FOR DESCRIPTION.
 SINGLE POLE TOGGLE SWITCH, 15 AMP, SPECIFICATION GRADE, WHITE, C/W STAINLESS STEEL COVERPLATE, SEE SPEC. FOR MORE INFORMATION. MOUNT "s" or "c" INDICATES CIRCUIT TO BE CONTROLLED.
 "p" INDICATES PILOT LIGHT
 "k" INDICATES KEY OPERATED

LEGEND

"3" INDICATES THREE WAY SWITCH, SIMILAR TO ABOVE.
 "4" INDICATES FOUR WAY SWITCH, SIMILAR TO ABOVE.
 INCANDESCENT/LED DIMMER TO SUIT LIGHTING FIXTURE BEING DIMMED. RATED 120 VOLT, SPECIFICATION GRADE C/W COVERPLATE, MOUNT 1200mm ABOVE FINISHED FLOOR.

EMERGENCY/EXIT LIGHTING

EMERGENCY LIGHTING BATTERY UNIT "LUMACELL" #RG12S220-2LD7 OR EQUAL, 120 VOLT AC, 12 VOLT DC, BATTERY TO WALL MOUNT 2400mm, ABOVE FINISHED FLOOR, BE RATED FOR 90 MINUTES MINIMUM, C/W TWO #4 #16-16 UNF STAINLESS STEEL FINISHED LAMPS, SEE LIGHTING FIXTURE SCHEDULE AND SPECIFICATION FOR DESCRIPTION. SEE LIGHTING FIXTURE SCHEDULE AND SPECIFICATIONS FOR FINISHED FLOOR.
 REQUEST HEAD "LUMACELL" #R0401D7 (G0401D) OR EQUAL, 12 VOLT, C/W 4 WATT MR16 LED LAMPS, WALL MOUNT 2400mm, ABOVE FINISHED FLOOR, #1 INDICATES CONNECTION TO BATTERY PACK #1.

WIRING DEVICES

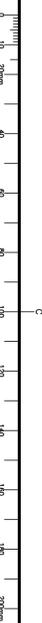
DUPLEX U-GROUND RECEPTACLE, 120 VOLT, 15 AMP, SPECIFICATION GRADE, FINISHED FLOOR. "WP" INDICATES WEATHERPROOF COVERPLATE.
 GFCI DUPLEX RECEPTACLE, 120 VOLT, 15 AMP, WHITE, SPECIFICATION GRADE C/W STAINLESS STEEL COVERPLATE, MOUNTED ON EXTERIOR POST. "WP" INDICATES WEATHERPROOF COVERPLATE.
 DUPLEX U-GROUND RECEPTACLE, 120 VOLT, 20 AMP, SPECIFICATION GRADE, WHITE & C/W STAINLESS STEEL COVERPLATE, WALL MOUNT 400mm ABOVE FINISHED FLOOR. "WP" INDICATES WEATHERPROOF COVERPLATE.
 GFCI DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WHITE, SPECIFICATION GRADE C/W STAINLESS STEEL COVERPLATE, WALL MOUNT 400mm ABOVE FINISHED FLOOR.
 DUPLEX U-GROUND RECEPTACLE MOUNTED IN WEATHERPROOF FLOOR BOX IN EXTERIOR STAGE FLOOR, 120 VOLT, 15 AMP, SPECIFICATION GRADE, WHITE & C/W STAINLESS STEEL COVERPLATE. "WP" INDICATES WEATHERPROOF COVERPLATE.
 NEW DMX LIGHTING CONTROL OUTLET C/W WEATHERPROOF COVERPLATE AND WEATHERPROOF FLOOR BOX MOUNTED IN EXTERIOR STAGE FLOOR, SECURE DMX CABLE CONDUIT TO EXISTING STEEL POST, COORDINATE ON SITE.

CONTROLS & MISCELLANEOUS

DISCONNECT SWITCH SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION, UNLESS NOTED OTHERWISE, IEMAC 2 (SPRINKLER PROOF) FOR INTERIOR AND EXTERIOR.
 ELECTRIC MOTOR, SUPPLIED BY MECHANICAL DIVISION, WIRED BY DESTRAIFICATION FAN SPEED CONTROLLER.
 CEILING RECESSED SPEAKER.
 MICROPHONE JACK C/W STAINLESS STEEL COVERPLATE.
 VOLUME CONTROL C/W STAINLESS STEEL COVERPLATE.

DEMOLITION NOTES:

1. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING AND PAINTING TO MATCH EXISTING. SEE SPECIFICATION FOR DETAILS. COORDINATE ON SITE.
2. WORK SHALL BE SCHEDULED DURING NORMAL WORKING HOURS HOWEVER, CONTRACTOR MAY WORK AFTER NORMAL WORKING HOURS AS COORDINATED BY OWNER REPRESENTATIVE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AND DISPOSALS OF WORK AREA ON A DAILY BASIS, AFTER EACH WORKING SHIFT BUILDING TO BE CLEANED AND FREE OF DEBRIS. BUILDING GARBAGE BINS ARE NOT TO BE USED.
4. ANY ELECTRICAL SYSTEM SHUTDOWN TO BE SCHEDULED AFTER NORMAL BUSINESS HOURS AND SHALL BE COORDINATED WITH OWNER REPRESENTATIVE. SUFFICIENT NOTICE SHALL BE GIVEN. 5 WORKING DAYS NOTICE IS REQUIRED FOR ANY DISRUPTION.
5. WORK TO BE CARRIED OUT IN CONSIDERATION OF CLIENT COMFORT AND OPERATIONS.
6. ALL WIRING TO BE INSTALLED IN CONDUIT AS INDICATED.
7. ACCESS TO BUILDING TO BE COORDINATED WITH OWNER REPRESENTATIVE.
8. LABEL ALL EQUIPMENT WITH LAMACOID TAGS.
9. ALL EXISTING ELECTRICAL EQUIPMENT REMOVED TO BE TURNED OVER TO OWNER, IF OWNER REFUSES THEN CONTRACTOR TO REMOVE FROM SITE AND DISPOSE.



designed	K.N.	comp
date	SEPTEMBER 2016	
drawn	D.R.	desain
date	SEPTEMBER 2015	
approved		approve
date		
Tender		Submission
Project Manager	Administrateur de projet	Project Manager
Project number	R.076008.001	Project number
drawing no.	E1	no. du dessin

revisions	date	description
0		ISSUED FOR TENDER
C		ISSUED FOR REVIEW
B		ISSUED FOR FINAL REVIEW
A		ISSUED FOR REVIEW

project
TERRA NOVA NATIONAL
PARK
NEWMAN SOUND
OUTDOOR THEATRE

LEGEND

0	ISSUED FOR TENDER	03.16.16
C	ISSUED FOR REVIEW	06.09.16
B	ISSUED FOR FINAL REVIEW	01.06.16
A	ISSUED FOR REVIEW	12.02.15

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
The Great White North
CROSSBIE ENGINEERING LIMITED

To practice professional Engineering
Permit No. as Issued By REG.-N. 00123
Permit Expiry Date: 31st Dec 2016

REGISTERED PROFESSIONAL ENGINEER
KENNETH R.P. NEIL
SEPTEMBER 16
REGISTERED PROFESSIONAL ENGINEER
STEPHEN J. CROSSBIE
SEPTEMBER 16

REGISTERED PROFESSIONAL ENGINEER
KENNETH R.P. NEIL
SEPTEMBER 16
REGISTERED PROFESSIONAL ENGINEER
STEPHEN J. CROSSBIE
SEPTEMBER 16



revisions	date	description
0		ISSUED FOR TENDER
C	09/09/16	ISSUED FOR REVIEW
B	01/08/16	ISSUED FOR FINAL REVIEW
A	12/02/15	ISSUED FOR REVIEW

project
TERRA NOVA NATIONAL
PARK
NEWMAN SOUND
OUTDOOR THEATRE

designed
K.N.

drawn
D.R.

date
SEPTEMBER 2015

approved
K.N.

date
SEPTEMBER 2016

approved
K.N.

date
SEPTEMBER 2016

approved
K.N.

date
SEPTEMBER 2016

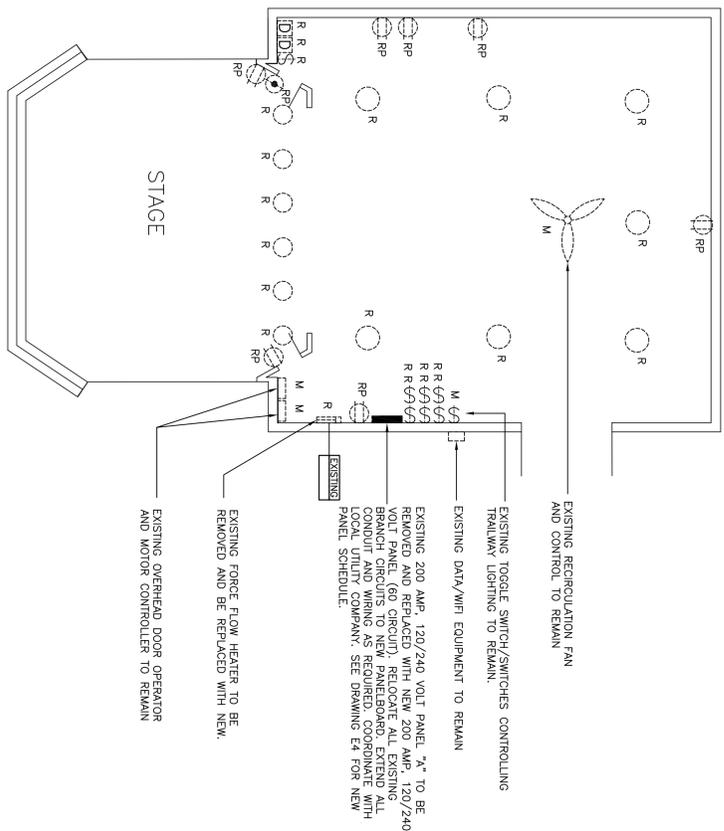
DESIGN NO.
E2

PROJECT NO.
R.076008.001

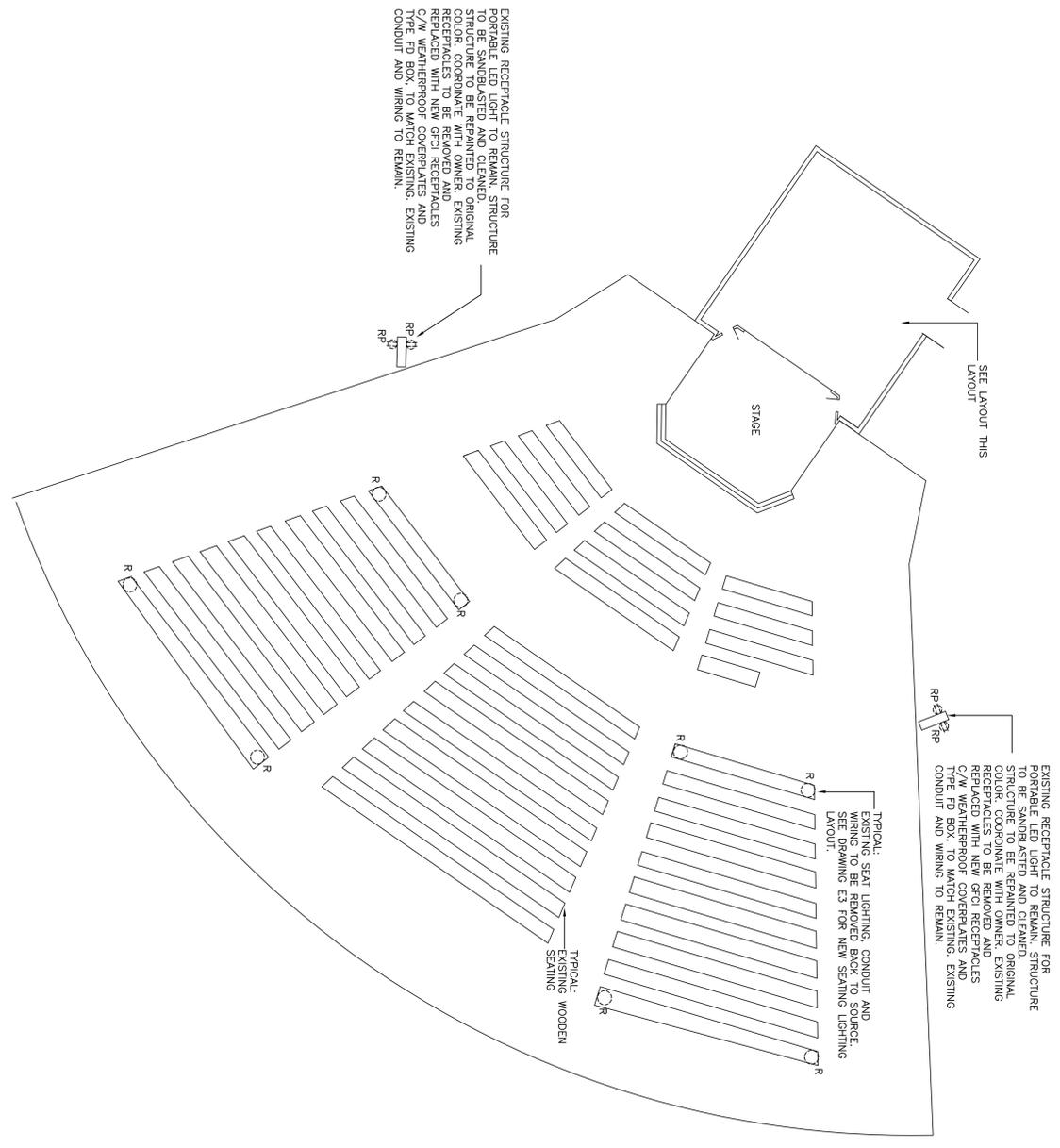
DATE
SEPTEMBER 2015

SCALE
1:100

R - DENOTES EXISTING DEVICE TO BE REMOVED C/W WIRING AND CONDUIT BACK TO SOURCE.
RP - DENOTES EXISTING DEVICE TO BE REMOVED, WIRING AND CONDUIT TO REMAIN FOR REUSE IN NEW LAYOUT WHERE POSSIBLE.
M - DENOTES EXISTING DEVICE TO REMAIN, MINOR RELOCATION (+150mm) MAY BE REQUIRED TO ACCOMMODATE NEW LAYOUT. COORDINATE ON SITE.
MP - DENOTES EXISTING DEVICE TO REMAIN, REMOVE ALL ASSOCIATED WIRING BACK TO SOURCE, PROVIDE NEW WIRING FROM EXISTING DEVICE TO NEW PANEL LOCATION, EXTEND CONDUIT AS REQUIRED.
N - DENOTES NEW DEVICE IN EXISTING LOCATION C/W NEW WIRING.
NL - DENOTES NEW DEVICE IN NEW LOCATION C/W NEW CONDUIT AND WIRING.



OUTDOOR THEATRE - EXISTING ELECTRICAL LAYOUT



OUTDOOR THEATRE - DEMOLITION PLAN



