

PROJECT

MSC ELECTRICAL UPGRADES

Midnight Sun Complex
Inuvik, NT

CLIENT

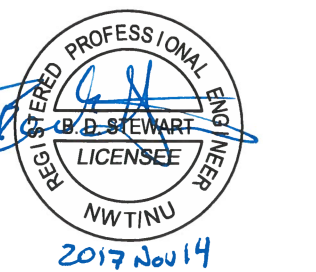
TOWN OF INUVIK

2 Firth Street
Inuvik, NT X0E 0T0

CONSULTANT

AECOM
101 - 18817 Stony Plain Rd NW
Edmonton, Alberta
780.486.7000 tel 780.486.7070 fax
www.aecom.com

REGISTRATION



PERMIT TO PRACTICE
AECOM CANADA LTD.
Signature: *[Signature]*
Date: *Nov 14, 2017*
PERMIT NUMBER: P639
NWT/NU Association of Professional
Engineers and Geoscientists

ISSUE/REVISION

| I/R | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 11/15/2017 | ISSUED FOR TENDER |
| 0 | 11/01/2017 | ISSUED FOR REVIEW |

KEY PLAN

PROJECT NUMBER

60556477

SHEET TITLE

ELECTRICAL SITE PLAN & LEGEND

SHEET NUMBER

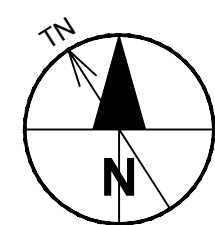
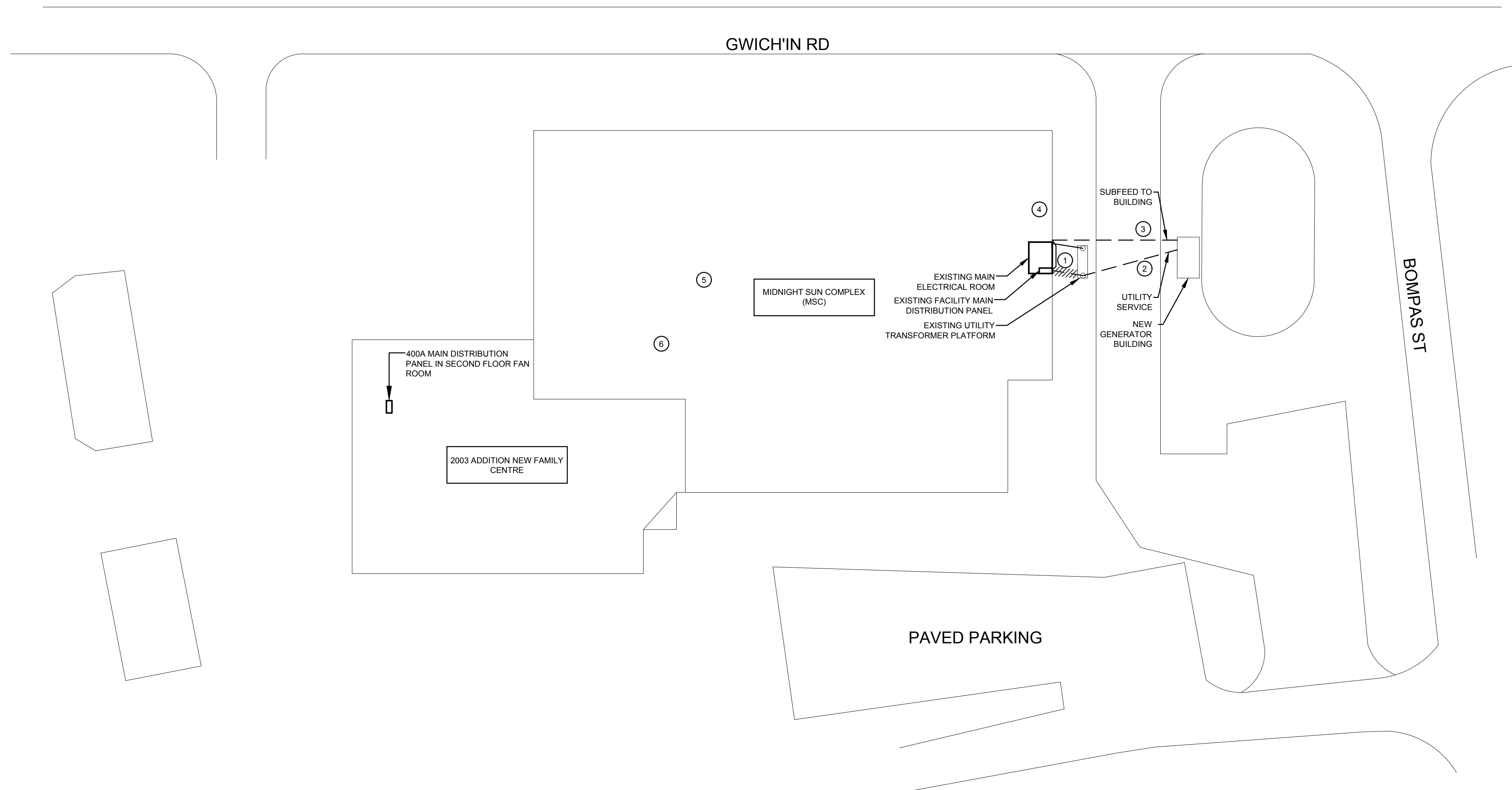
E01

LEGEND:

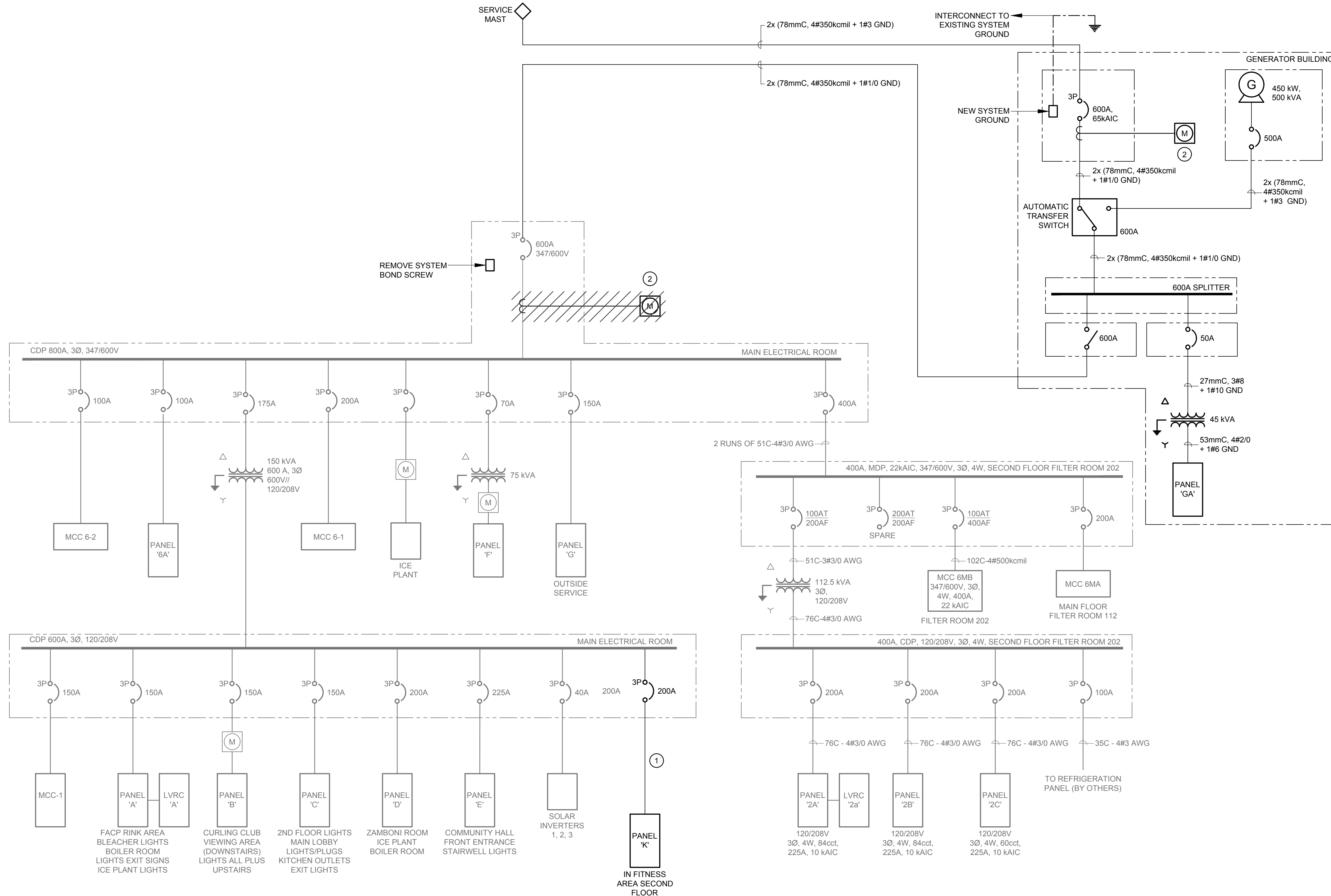
- METER IN CABINET
- MOULDED CASE CIRCUIT BREAKER
- INSTRUMENT TRANSFORMER
- TRANSFORMER WITH RATINGS INDICATED
- DELTA CONNECTION
- WYE CONNECTION
- GENERATOR
- TRANSFER SWITCH
- DISCONNECT SWITCH
- FOR REMOVAL

NOTES:

- 1 EXISTING OVERHEAD SERVICE FEEDERS TO BE REMOVED.
- 2 SERVICE TO BE FED UNDERGROUND TO NEW GENERATOR BUILDING.
- 3 GENERATOR BUILDING TO RE-SUPPLY POWER TO MSC BUILDING. INTERCEPT CONDUITS USED FOR EXISTING SERVICE CONNECTION AND RE-USE FOR NEW CONNECTION.
- 4 REMOVE EXISTING ARENA LIGHT SWITCHES LOCATED IN ZAMBONI ROOM. REPLACE WITH NEW THREE WAY SWITCHES.
- 5 PROVIDE DIMMER SWITCHES IN THE OFFICE FOR CONTROL OF ARENA LIGHTS. PROVIDE WIRING AND CONDUIT BETWEEN DIMMER SWITCHES AND THREE WAY SWITCHES IN ZAMBONI ROOM. COORDINATE SWITCH LOCATION ON SITE WITH OWNER.
- 6 PROVIDE NEW 42 CCT PANELBOARD (PANEL 'K') IN SECOND FLOOR FITNESS AREA. COORDINATE FINAL LOCATION ON SITE WITH OWNER. RELOCATE BREAKERS FROM HALL PANELBOARD TO NEW PANEL 'K' AND REFEED CIRCUITS.



1 ELECTRICAL SITE PLAN
E01 Scale 1:500

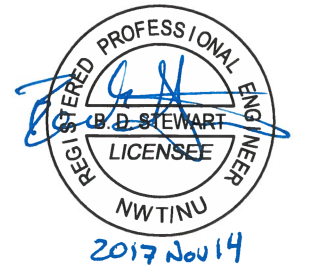


NOTES:

- ① CONNECT NEW PANEL 'K' TO NEW 200A BREAKER.
- ② COORDINATE WITH THE UTILITY FOR THE REMOVAL OF THE METER FROM THE MSC BUILDING AND THE INSTALLATION OF THE METER IN THE NEW GENERATOR BUILDING.

1 SINGLE LINE DIAGRAM
 E02 Scale N.T.S.

REGISTRATION

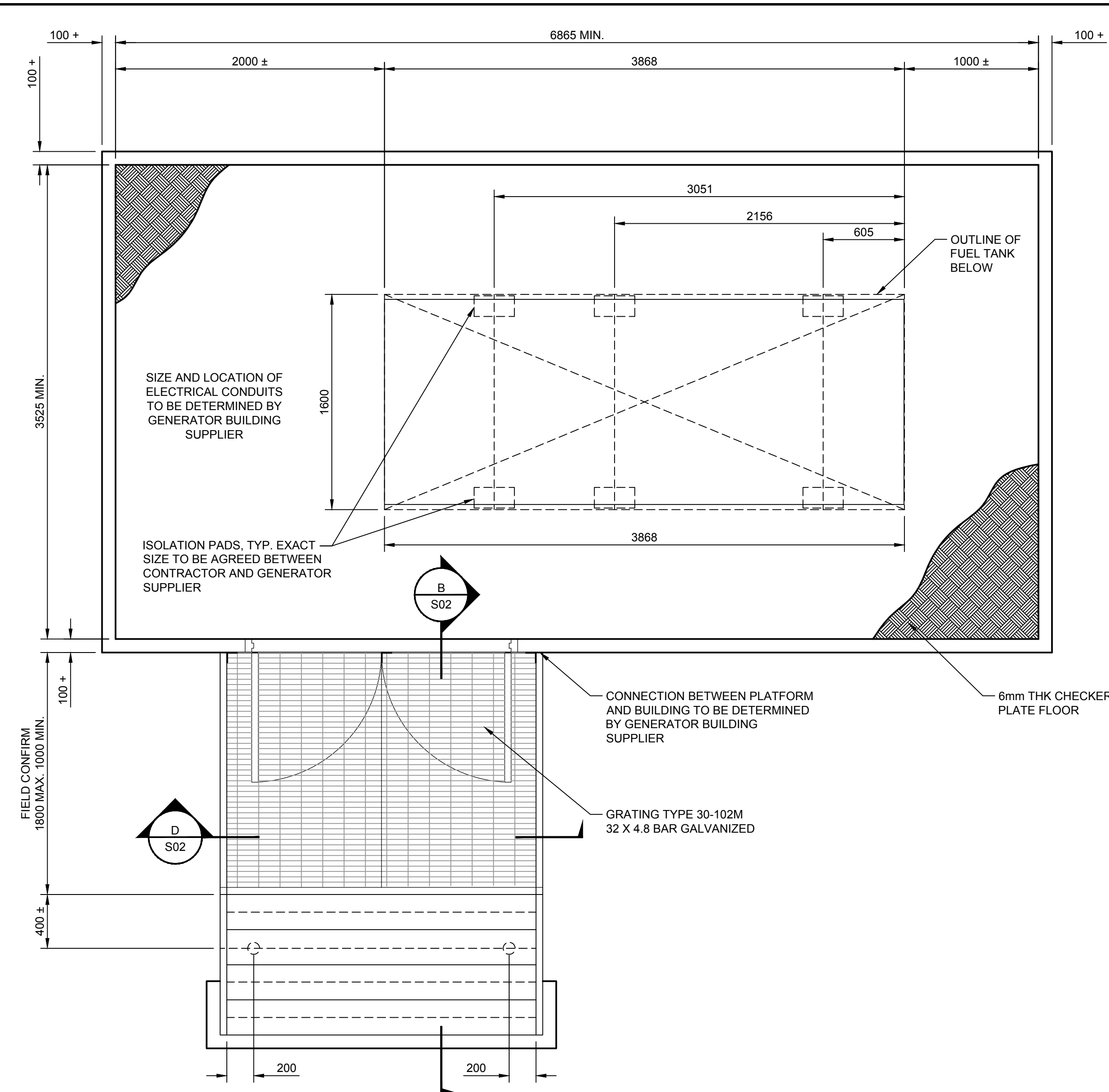


PERMIT TO PRACTICE
 AECOM CANADA LTD.
 Signature: *[Signature]*
 Date: *Nov 14, 2017*
PERMIT NUMBER: P639
 NWT/NU Association of Professional Engineers and Geoscientists

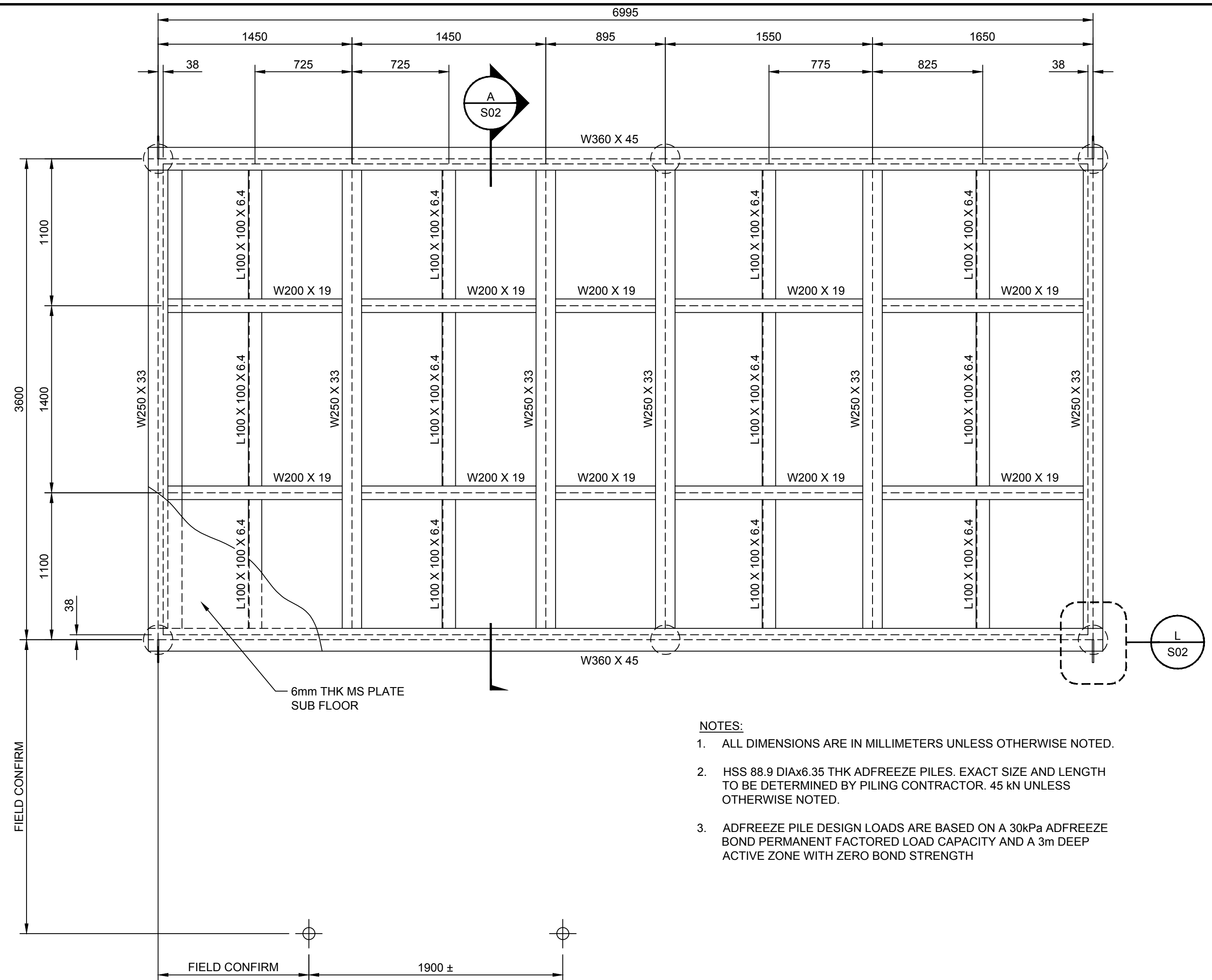
ISSUE/REVISION

| I/R | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 11/15/2017 | ISSUED FOR TENDER |
| 0 | 11/01/2017 | ISSUED FOR REVIEW |

KEY PLAN

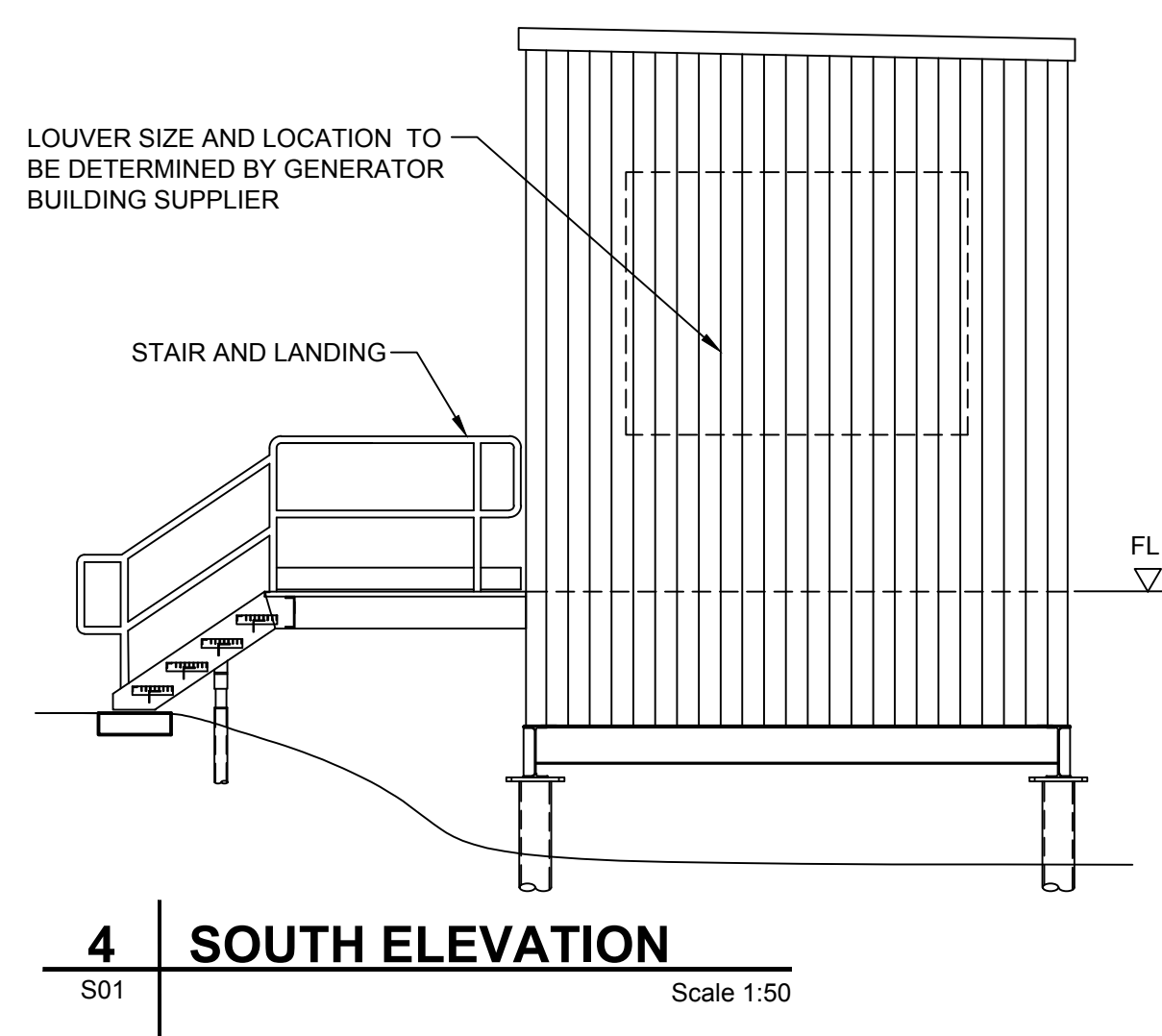
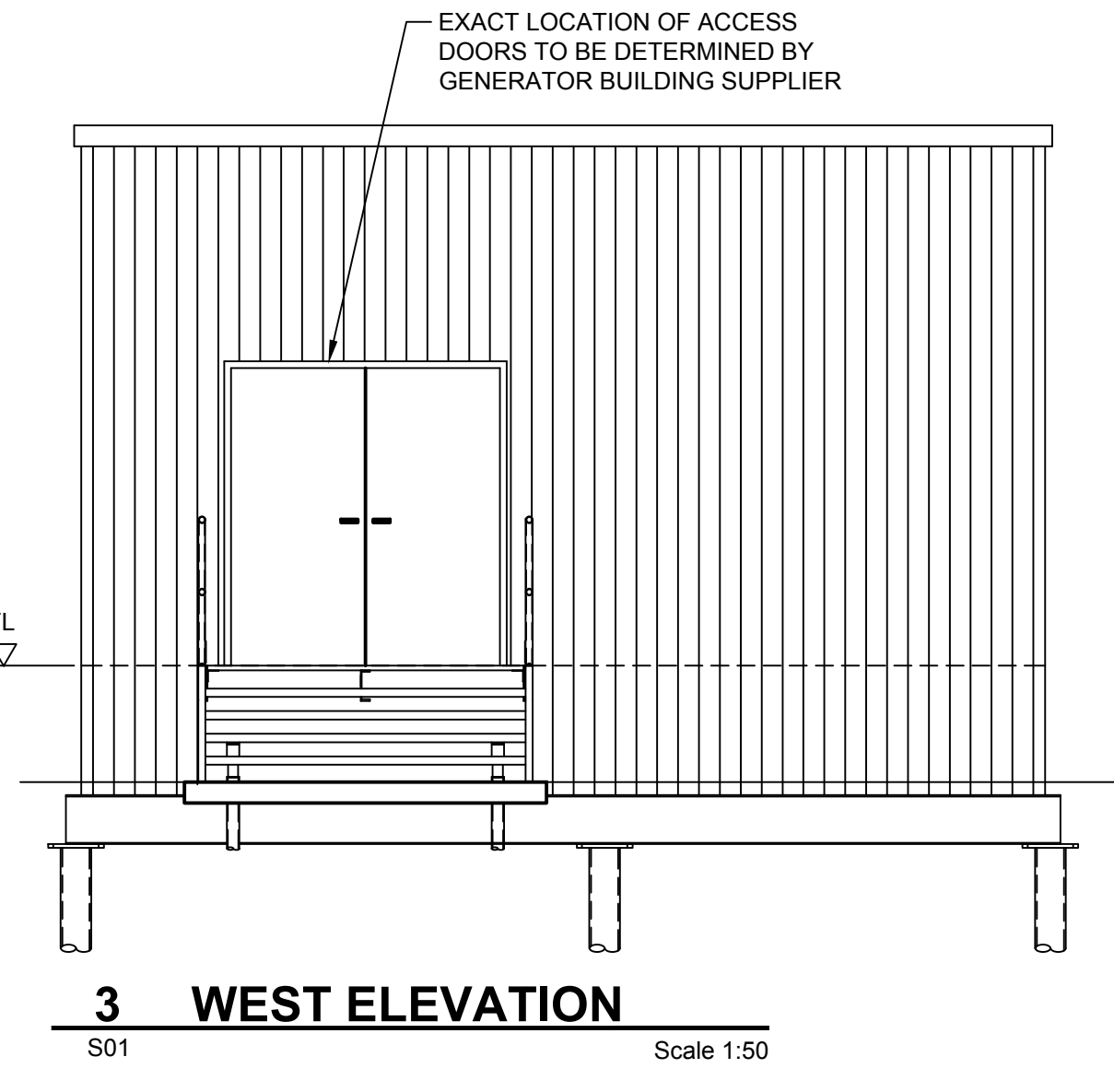
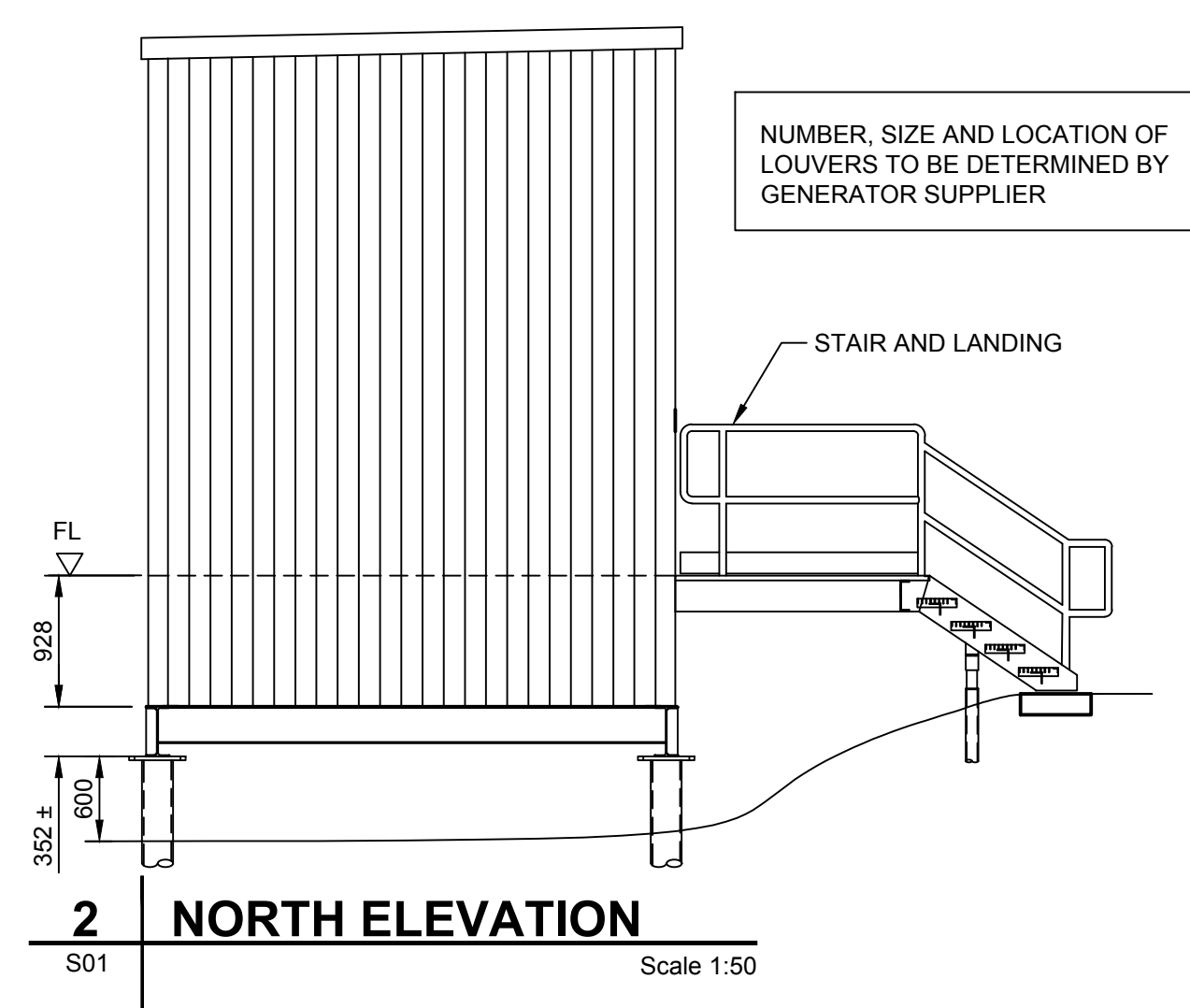
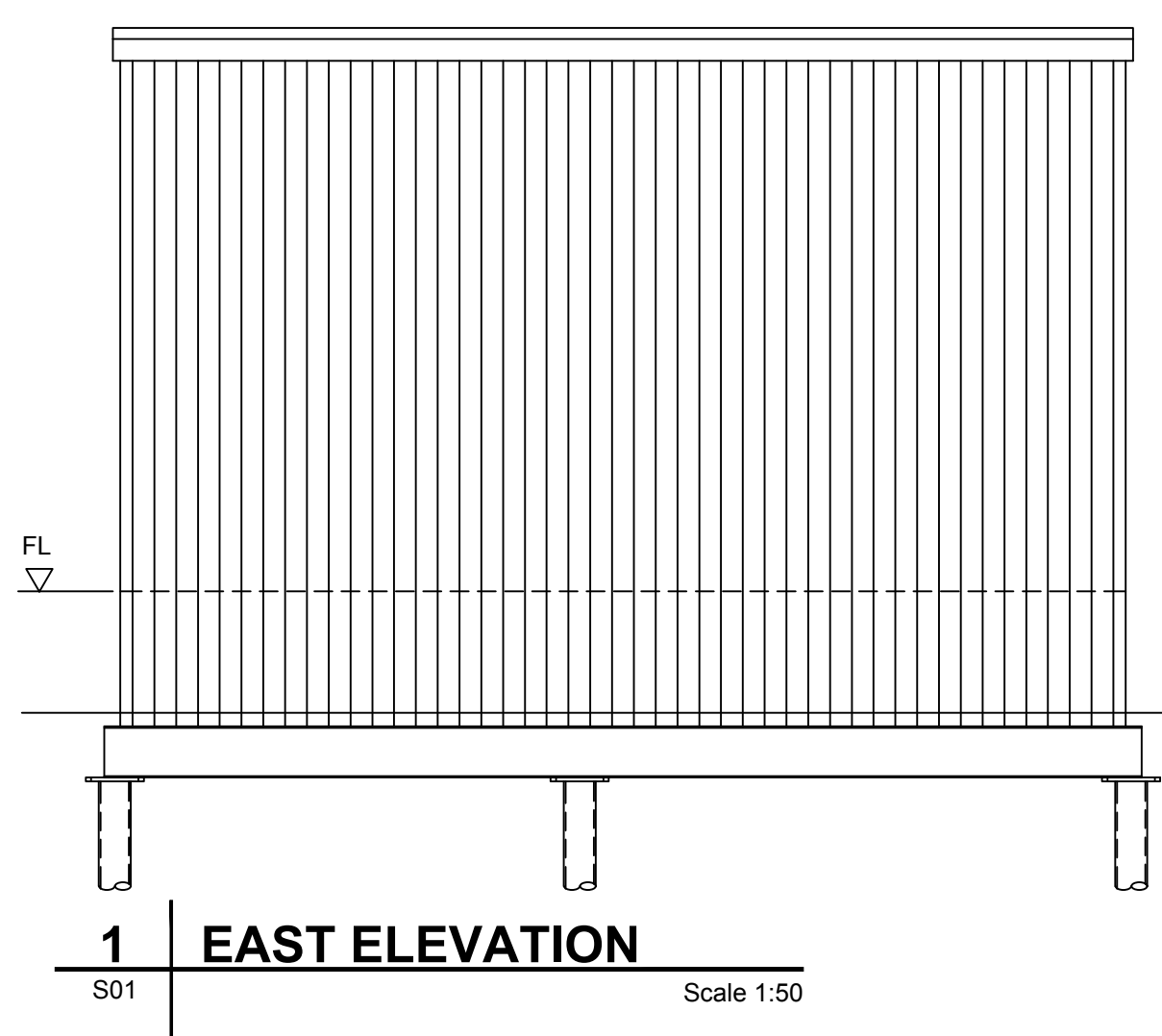


BUILDING LAYOUT
 Scale 1:25
 0 625 1250 mm



SKID FRAMING PLAN
 Scale 1:25
 0 625 1250 mm

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - HSS 88.9 DIAx6.35 THK ADFREEZE PILES. EXACT SIZE AND LENGTH TO BE DETERMINED BY PILING CONTRACTOR. 45 kN UNLESS OTHERWISE NOTED.
 - ADFREEZE PILE DESIGN LOADS ARE BASED ON A 30kPa ADFREEZE BOND PERMANENT FACTORED LOAD CAPACITY AND A 3m DEEP ACTIVE ZONE WITH ZERO BOND STRENGTH



PERMIT TO PRACTICE
 AECOM CANADA LTD.
 Signature: _____
 Date: Nov 19, 2017
 PERMIT NUMBER: P639
 NWT/NU Association of Professional Engineers and Geoscientists

| I/R | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 11/15/2017 | ISSUED FOR TENDER |
| 0 | 11/01/2017 | ISSUED FOR REVIEW |

