200

ROUND CONCRETE CAP ON TOP OF
STEEL POST.

RIGID GALVANISED (MIN SCHEDULE
40)STEEL PIPE FILLED WITH CONCRETE TO
BE GIVEN TWO (2) COATS OF RUST
INHIBITING PAINT.

BURNDY COMPRESSION GROUND
CONNECTION FOR BOLLARD COMPLETE
WITH #2/0 BARE COPPER WIRE (TO GROUND
LOOP).

GRADE

1220

300

1220

2/0 BARE COPPER GROUNDING
CONDUCTOR BONDED TO
GROUNDING GRID.

150

CONCRETE (25 Mpa MIN.) TO BE
POURED INTO SONOTUBE PRIOR TO
BACK FILLING AND COMPACTION.

Designed	:	Y.F.
Proposed	:	K.S.
Verified	:	K.S.
Date	:	2014-02-25
Scale	:	1:50

client:

**Agriculture and Agri-food Canada
Central Experimental Farm
Integrated Services**

title:

TYPICAL PROTECTIVE BOLLARD DETAIL

| A000407 | E101 | **ESK-01** | 1 de 1 | X |
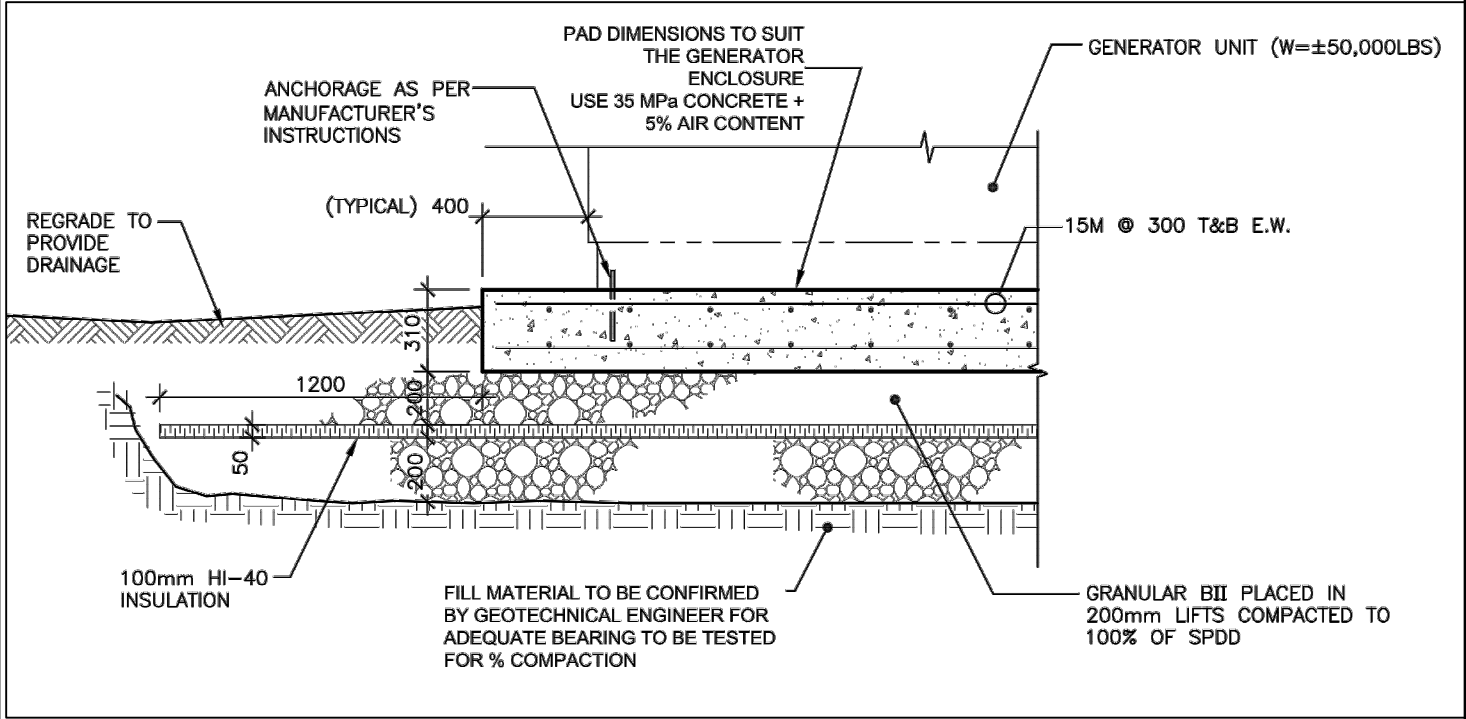
project nu.   drawing reference   change order   sketch X of X   rev.

PAD DIMENSIONS TO SUIT
THE GENERATOR
ENCLOSURE
USE 35 MPa CONCRETE +
5% AIR CONTENT

ANCHORAGE AS PER
MANUFACTURER'S
INSTRUCTIONS

GENERATOR UNIT (W=±50,000LBS)

REGRADE TO
PROVIDE
DRAINAGE

(TYPICAL) 400

15M @ 300 T&B E.W.

310

1200

200 200 200

50

100mm HI-40
INSULATION

FILL MATERIAL TO BE CONFIRMED
BY GEOTECHNICAL ENGINEER FOR
ADEQUATE BEARING TO BE TESTED
FOR % COMPACTION

GRANULAR BII PLACED IN
200mm LIFTS COMPACTED TO
100% OF SPDD

Designed	:	Y.F.
Proposed	:	K.S.
Verified	:	K.S.
Date	:	2014-02-25
Scale	:	NOT TO SCALE

client:

**Agriculture and Agri-food Canada
Central Experimental Farm
Integrated Services**

title:

TYPICAL GENERATOR CONCRETE SLAB DETAIL

| A000407 | E101 | **ESK-02** | 1 de 1 | X |

project nu.   drawing reference   change order   sketch X of X   rev.