

Addendum/Addenda

No./N° 4

Project Description / Description de projet Building U-66 - New 115kV Outdoor Substation, Uplands Campus		
Solicitation No./ N° de sollicitation 15-22066	Project No./N° de projet 5078	W.O. No./N° d'ordre de travail A1-006434-01
Departmental Representative / Représentant Ministériel Maurice Richard	Date August 28, 2015	
Notice: This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.		Nota: Cet addenda fait partie intégrale des dossiers d'appel d'offres; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.

DESCRIPTION OF WORK

Questions

- 1) The framing diagram on E09 is different than the framing diagram on E11. Please verify in detail which construction framing.
The pole line structure identified by detail C/E05 has been removed. The overhead line will be terminated directly to the deadend structure.
- 2) Please identify how many anchors required? And show on detail.
Four guys are required as per detail B/E09
- 3) Please identify the size of the pole going in the existing 115KV line, and how many anchors.
Size of pole to be 25.9m long as per specification section 33 71 16.01, paragraph 2.1.3.2. Refer to detail B/E09 for anchoring details.
- 4) Please Re-design new framing diagram for B-E09.
Update with the issue of addendum 3.
- 5) A request was made to approve Sorbweb oil containment systems as an approved equivalent to CI Agent oil containment systems. Sorbweb oil containment is not an approved oil containment system for this project.

Specifications

Section 26 05 14, Paragraph 2.3

Revise paragraph as follows:

- .1 CAN/CSA-G12
- .2 Minimum diameter of 11.35mm, Quail
- .3 Ultimate tensile strength (UTS): 22.5 kN.
- .4 Tension Requirements (Initial Conditions):
 - .1 Minus 20 degrees Celsius: 7.5kN
- .5 Acceptable manufacturers: General Cable, Pirelli, or approved equivalent

Drawings

Update drawing D-5078-E01, "Re-Issued for Tender" as per Figure No. SK-ADD2-1.
Update drawing D-5078-E02, "Re-Issued for Tender" as per Figure No. SK-ADD2-2.
Update drawing D-5078-E03, "Re-Issued for Tender" as per Figure No. SK-ADD2-3.
Update drawing D-5078-E04, "Re-Issued for Tender" as per Figure No. SK-ADD2-4.
Update drawing D-5078-E05, "Re-Issued for Tender" as per Figure No. SK-ADD2-5.
Update drawing D-5078-E06, "Re-Issued for Tender" as per Figure No. SK-ADD2-6.
Update drawing D-5078-E07, "Re-Issued for Tender" as per Figure No. SK-ADD2-7.
Update drawing D-5078-E08, "Re-Issued for Tender" as per Figure No. SK-ADD2-8.
Update drawing D-5078-E11, "Re-Issued for Tender" as per Figure No. SK-ADD2-9.
Replace drawing D-5078-S04, with revision "Revised as per Addendum 4"
Replace drawing D-5078-S05, with revision "Revised as per Addendum 4"
Replace drawing D-5078-S06, with revision "Revised as per Addendum 4"

END

Issued by:



Signature

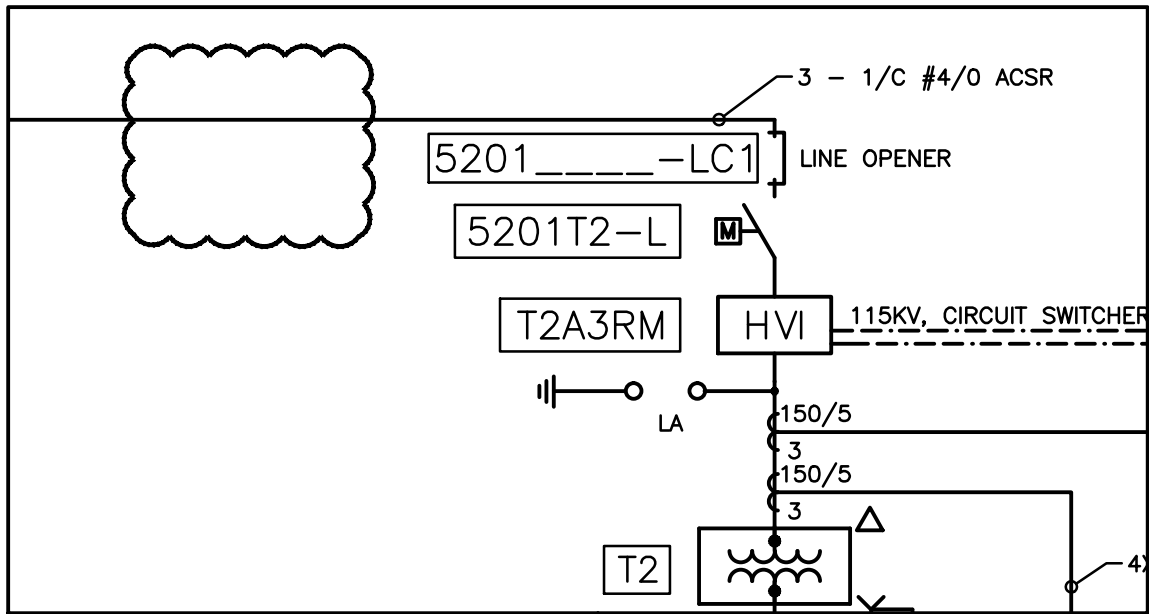
September 2, 2015

Dated

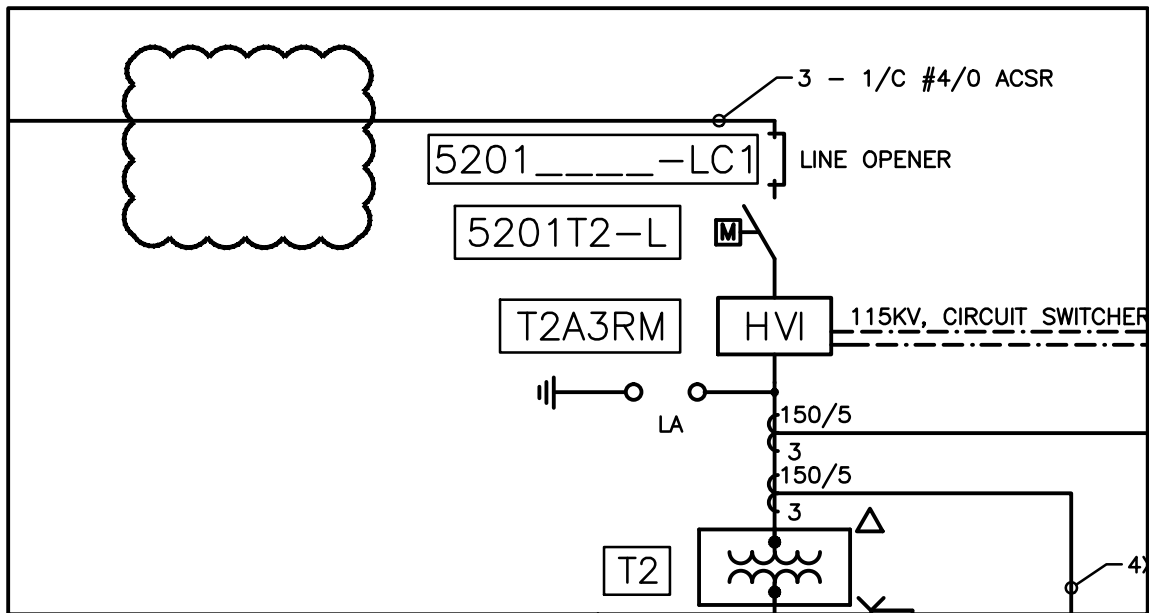
Copies to:

Maurice Richard - NRC – Maurice.Richard@nrc-cnrc.gc.ca
Kevin Li – NRC - Xinjian.Li@nrc-cnrc.gc.ca
Denis Labelle – NRC – Denis.labelle@nrc-cnrc.gc.ca

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SINGLE LINE - PHASE 2
N.T.S.



SINGLE LINE - PHASE 3
N.T.S.

ORIGINAL SHEET - ANSI A

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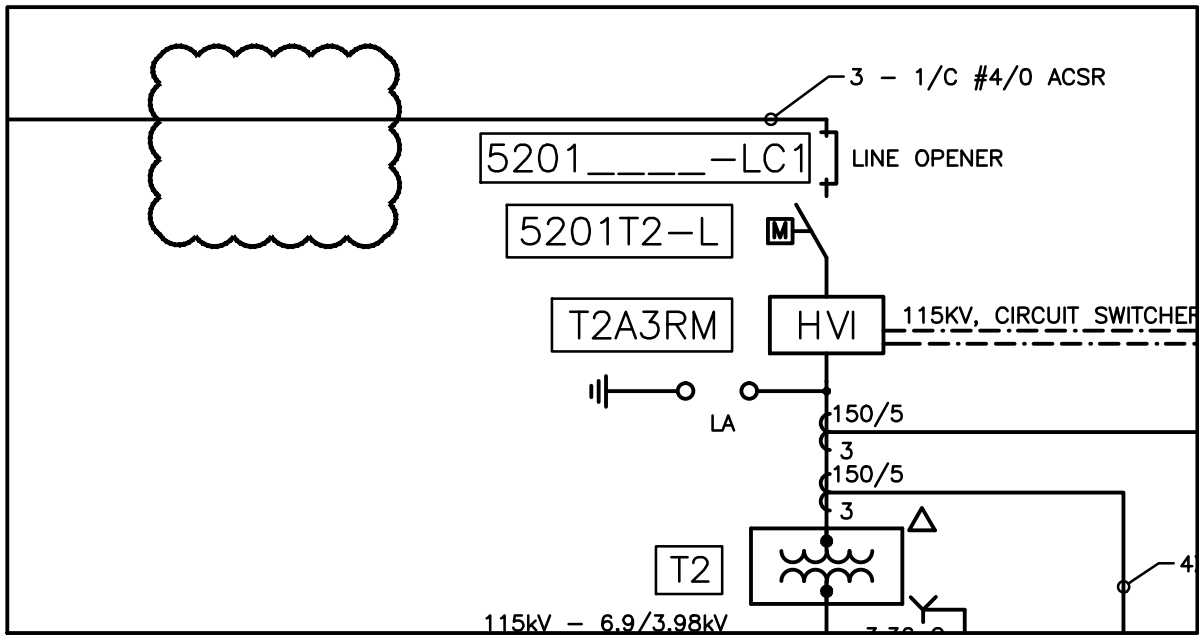
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Figure No.
SK-ADD2-2

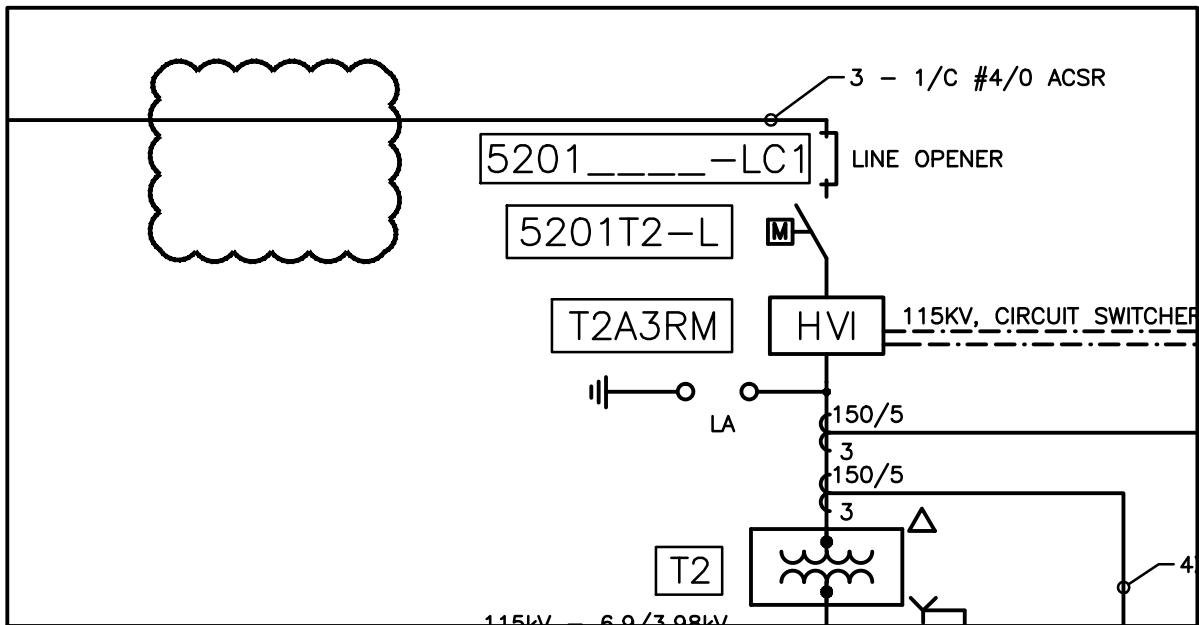
Title
D-5078-E02
MEDIUM VOLTAGE
SINGLE LINE LINE-PHASE 2&3

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SINGLE LINE - PHASE 4

N.T.S.



SINGLE LINE - PHASE 5

N.T.S.

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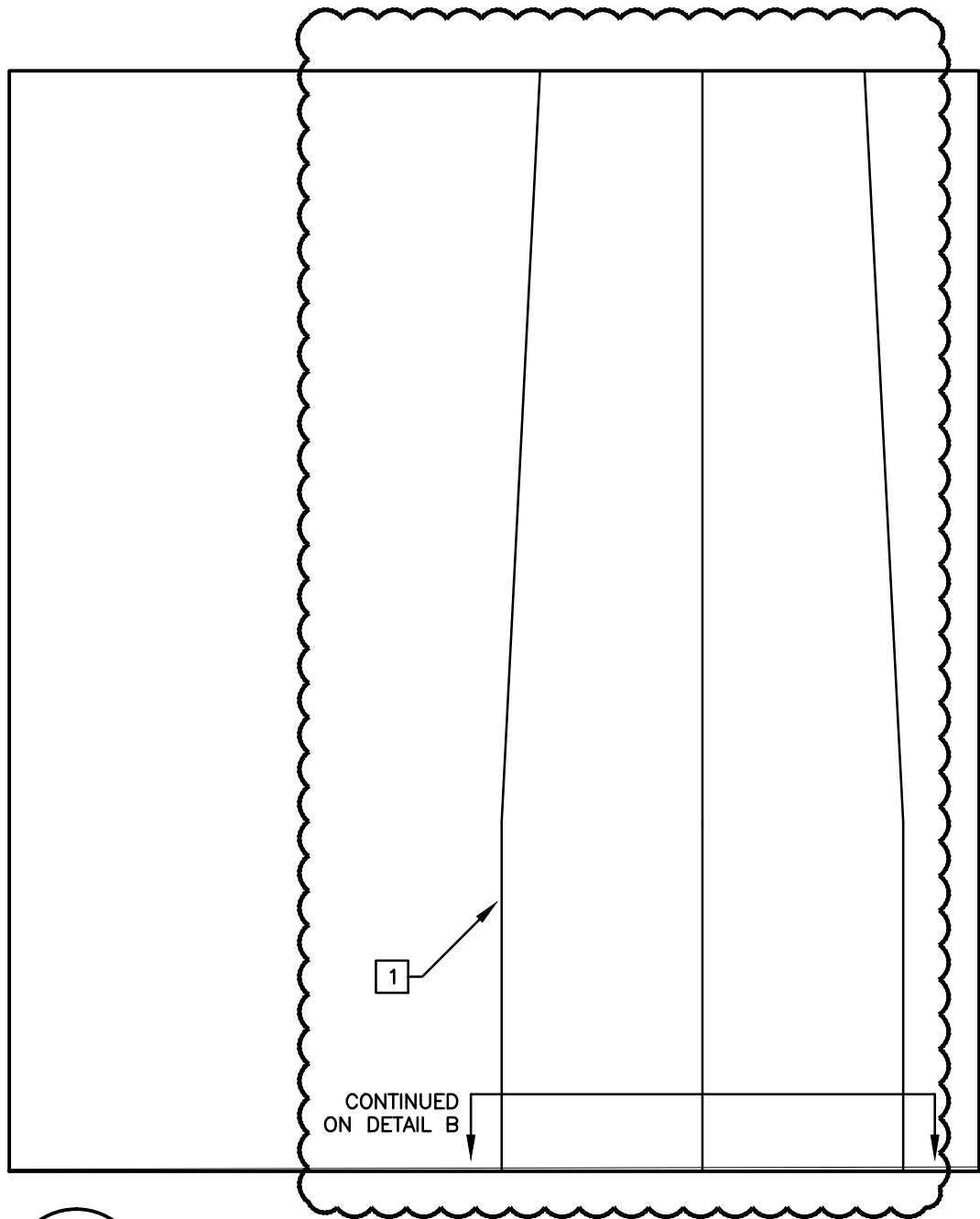
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Figure No.
SK-ADD2-3

Title
D-5078-E03
MEDIUM VOLTAGE
SINGLE LINE LINE-PHASE 4&5

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A
E05 **115KV POWER LINES**
1:100

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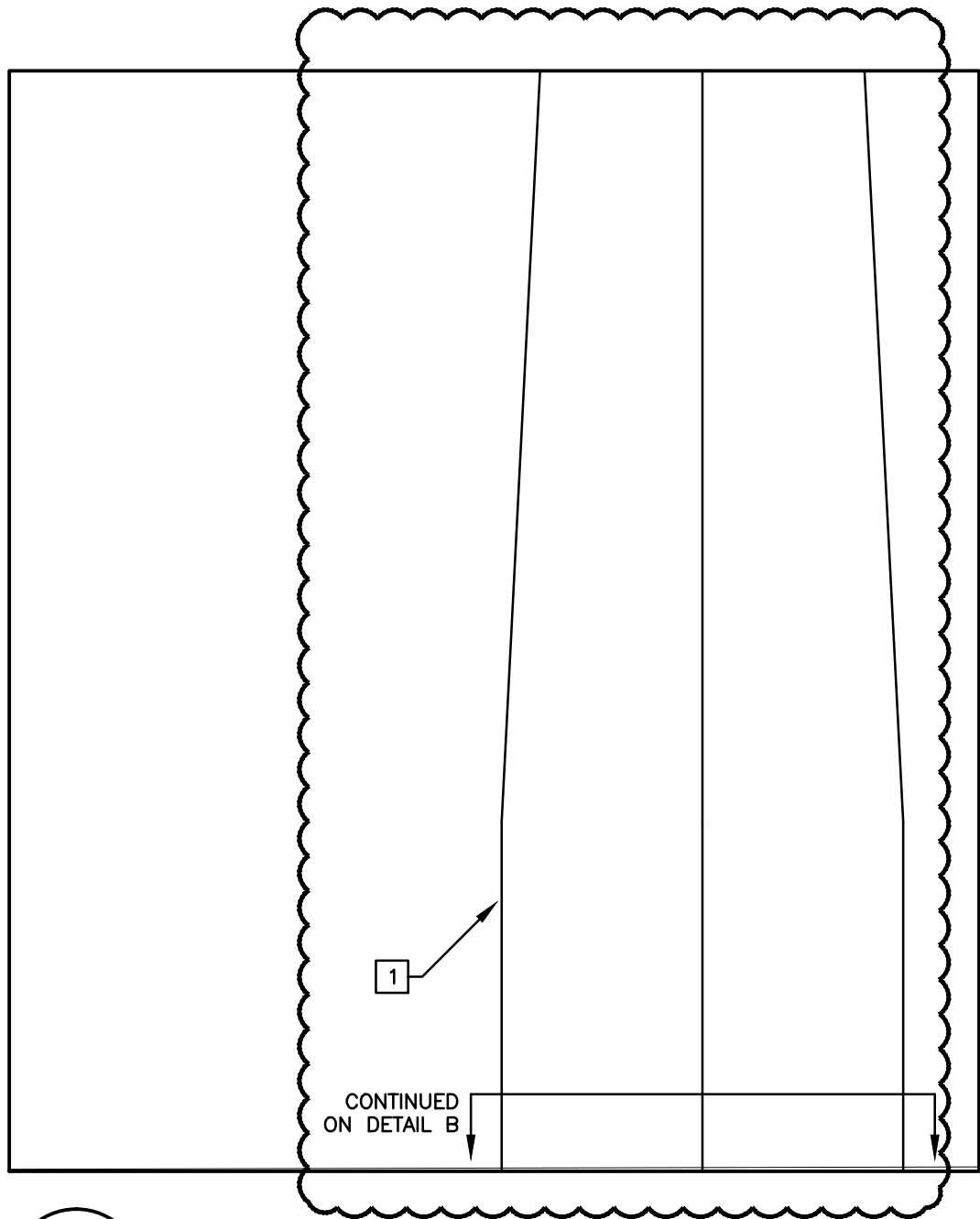
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Figure No.
SK-ADD2-5
Title
D-5078-E05
SUBSTATION LAYOUT
■ PLACE 1

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A
E06 **115KV POWER LINES**
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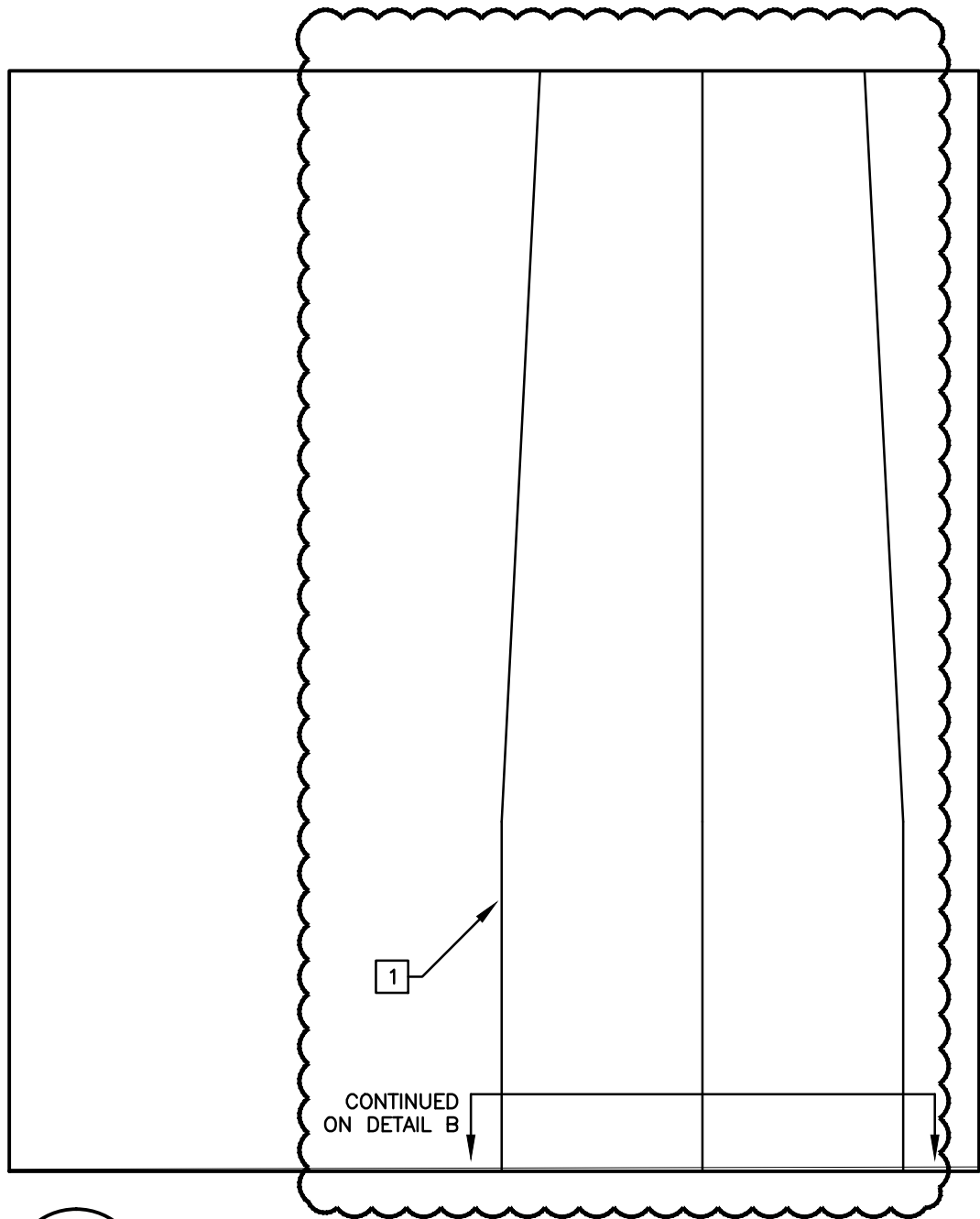
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Figure No.
SK-ADD2-6
Title
D-5078-E06
SUBSTATION LAYOUT
PLATE 2

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A
E07 **115KV POWER LINES**
1:100

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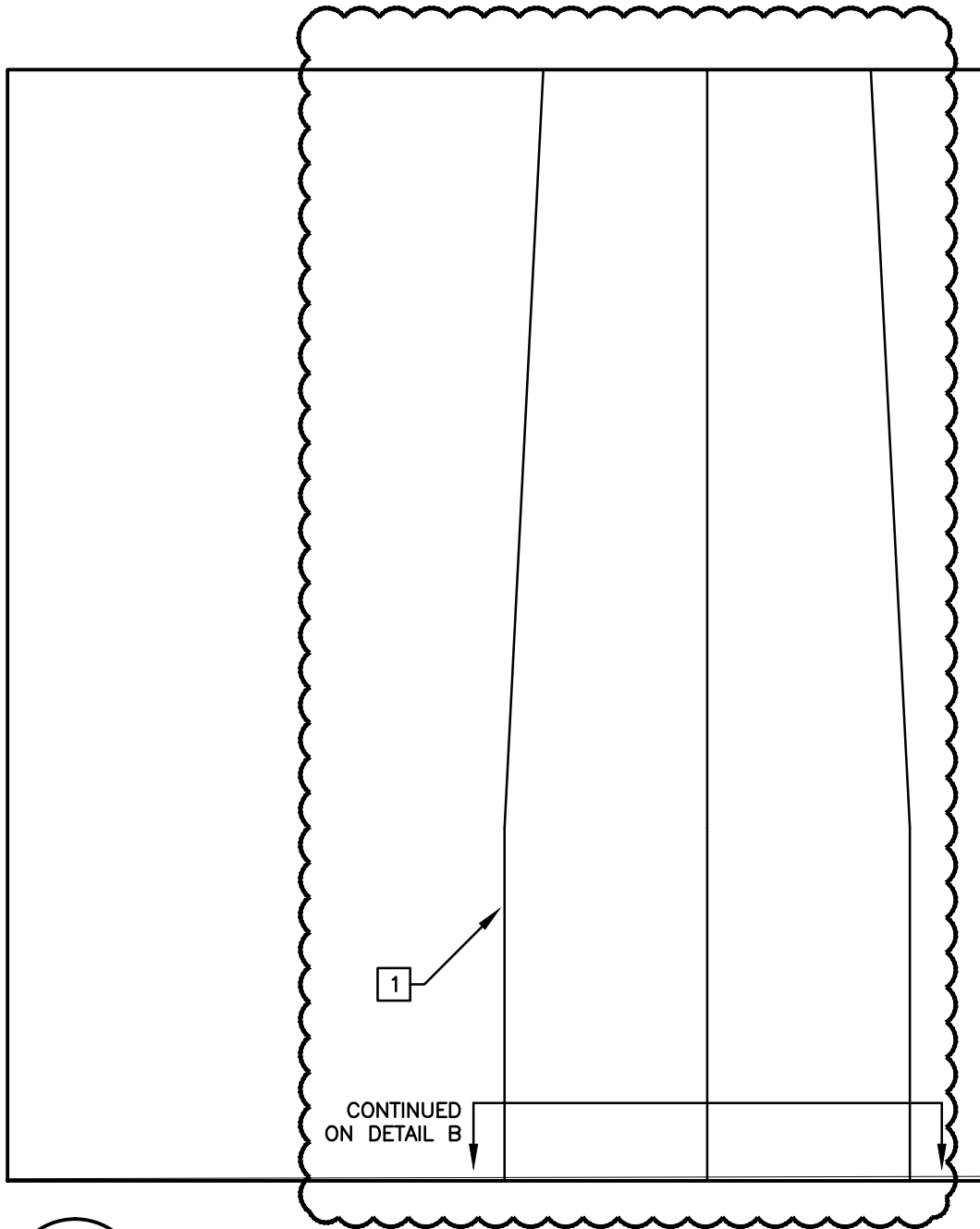
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NEW 115KV SUBSTATION

Figure No.
SK-ADD2-7

Title
D-5078-E07
SUBSTATION LAYOUT
■ PLACE 2

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A
E08

115KV POWER LINES

1:100

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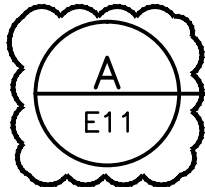
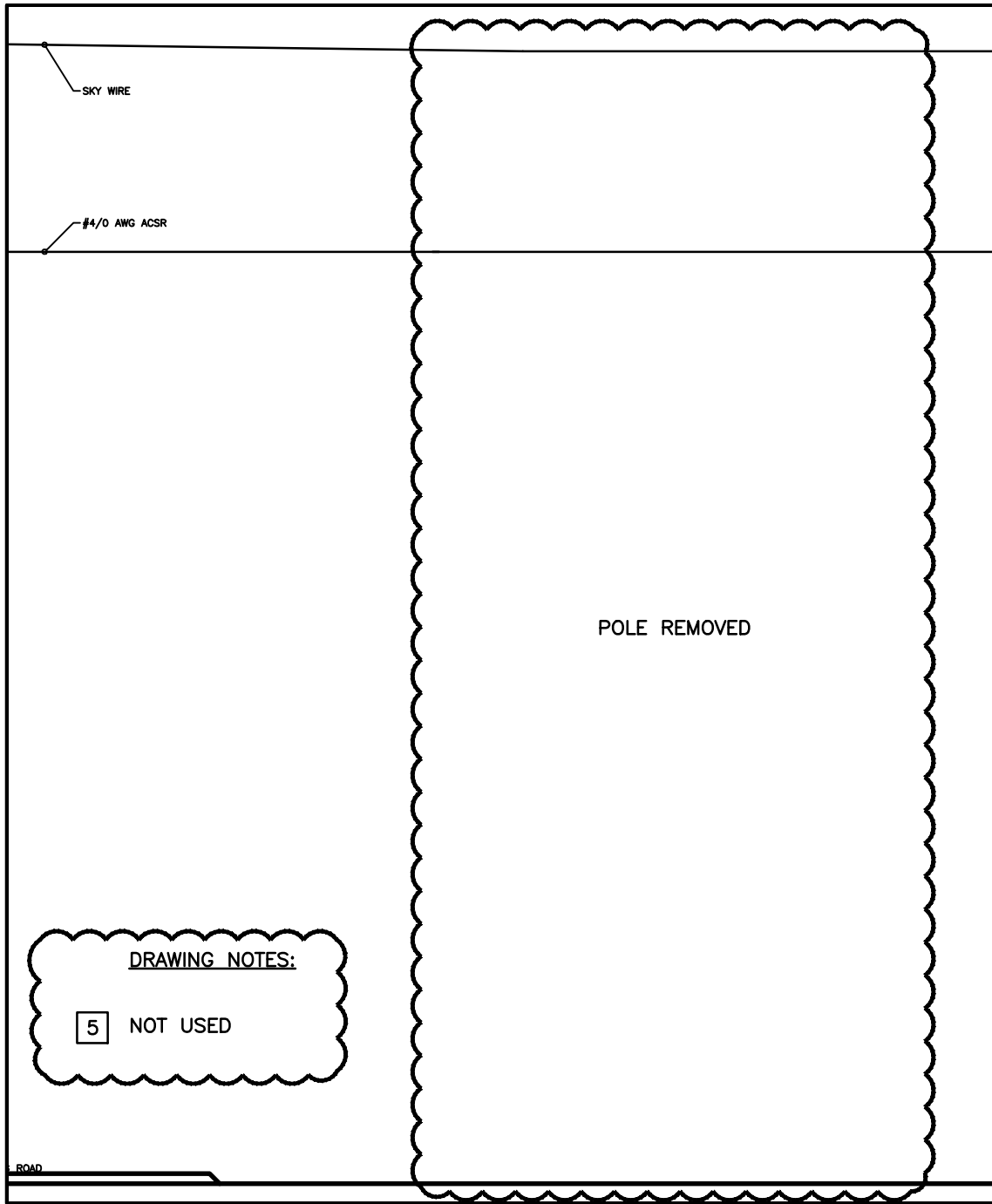
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Figure No.
SK-ADD2-8

Title
D-5078-E08
SUBSTATION LAYOUT
■ ■ ■ ■ ■

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CROSS SECTIONAL VIEW OF
115 KV SUBSTATION – NEW EQUIPMENT

1:100

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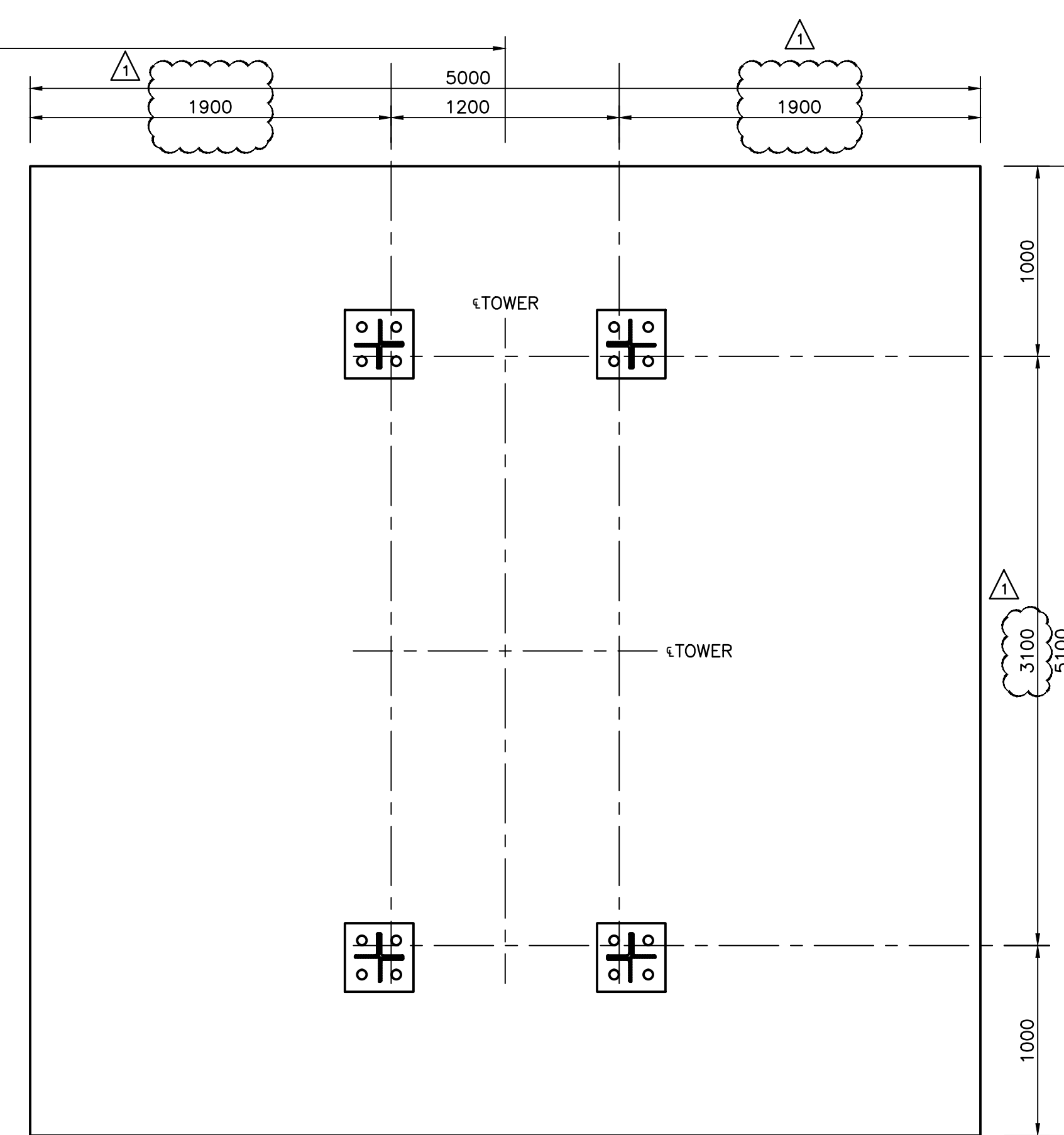
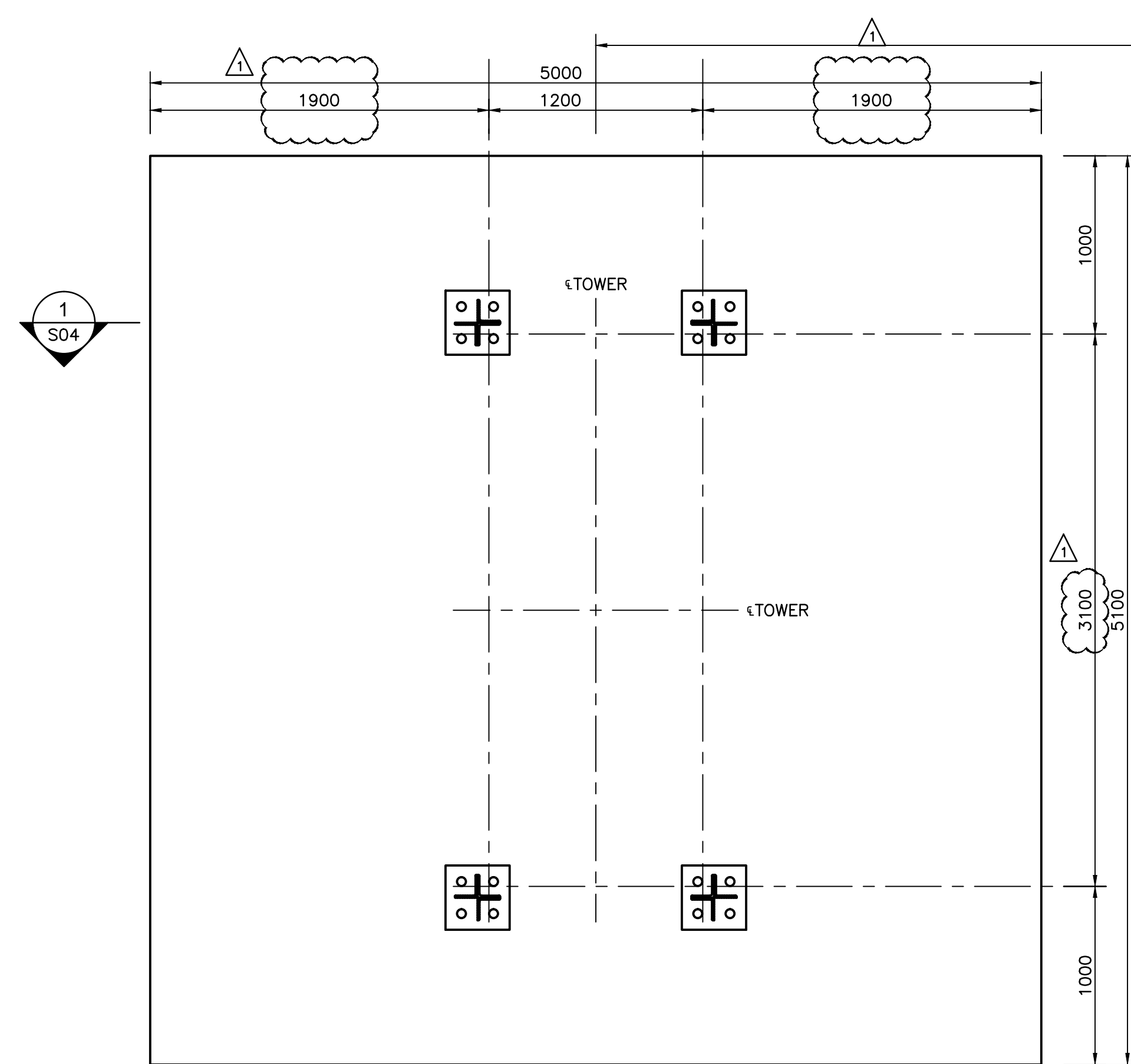


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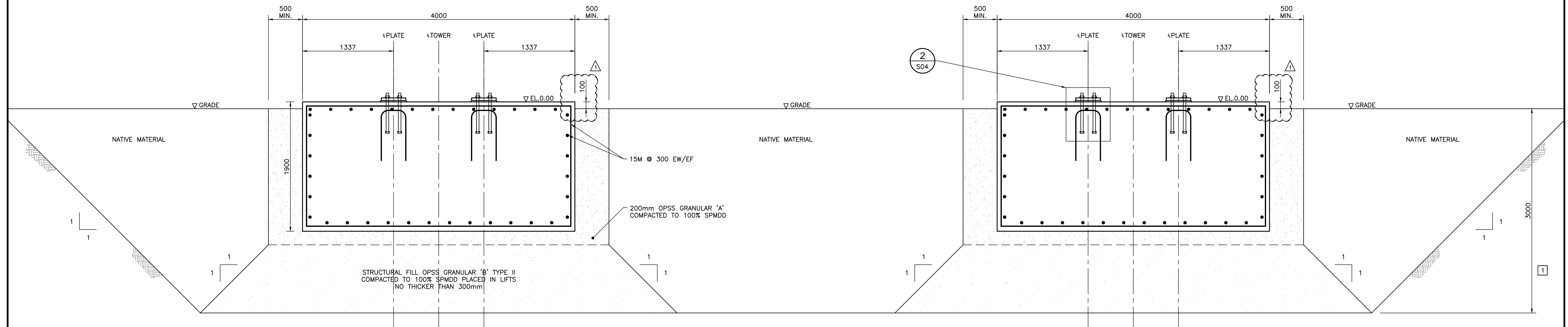
Figure No.
SK-ADD2-9

Title
D-5078-E11
115KV SUBSTATION
ELEVATIONS

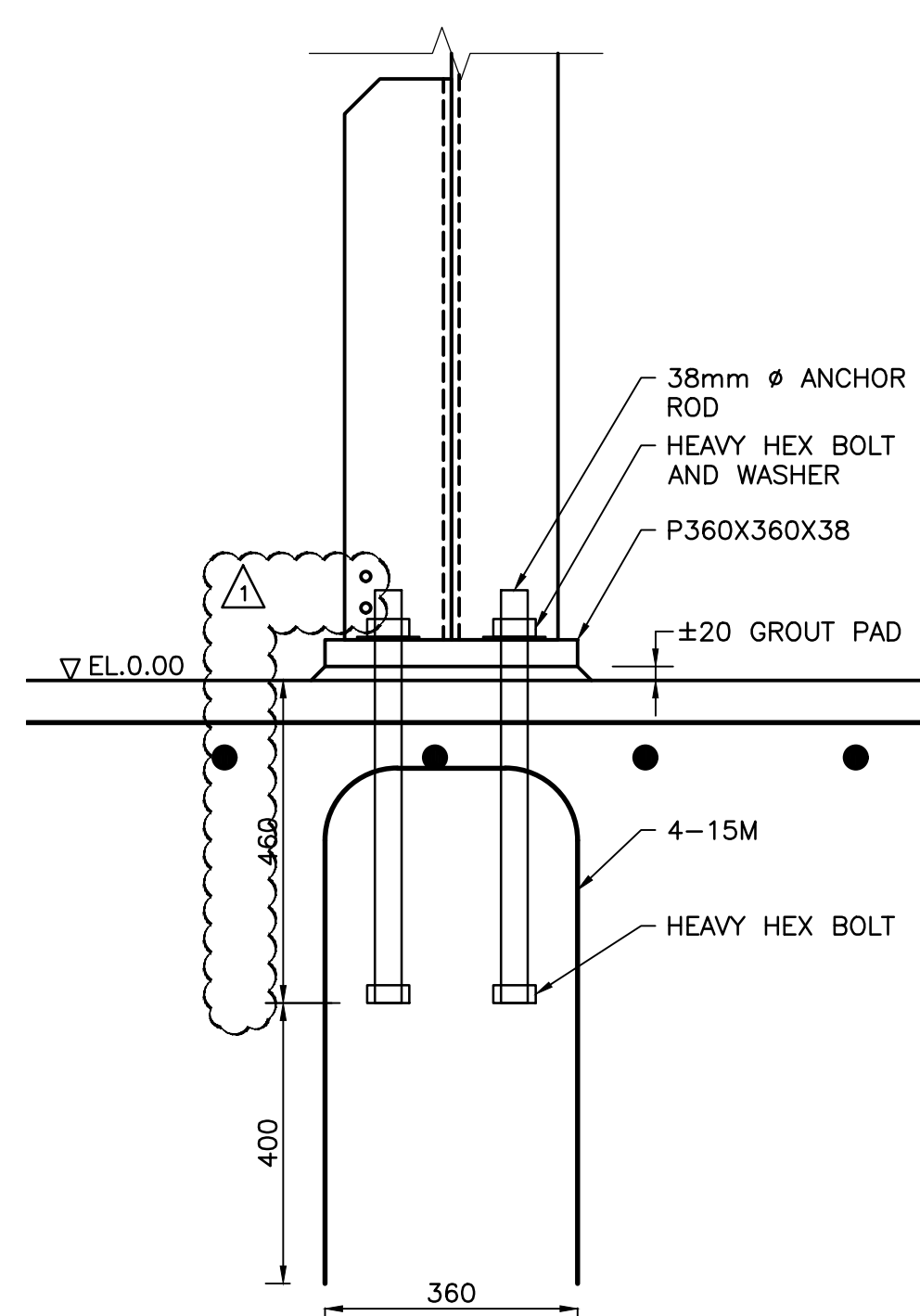


DRAWING NOTES:
 1 EXCAVATE NATIVE FILL TO A DEPTH OF 3 METERS BELOW EXISTING GRADE. REMOVED ALL EXCESS MATERIAL FROM SITE.

GANTRY FOUNDATION PLAN
 1:25



1 SECTION
 1:25



2 PLATE DETAIL
 1:10

No.	Date	Revision	By	Appr.
15.09.02		REVISED AS PER ADDENDUM 4		T.M.
C	15.07.23	RE-ISSUED FOR TENDER		T.M.
C	15.07.17	ISSUED FOR TENDER		T.M.
B	15.07.08	ISSUED FOR 99% REVIEW		T.M.

Date Printed: _____ Date Imprimée: _____
 ● Verify all dimensions and site conditions and be responsible for same
 ● Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

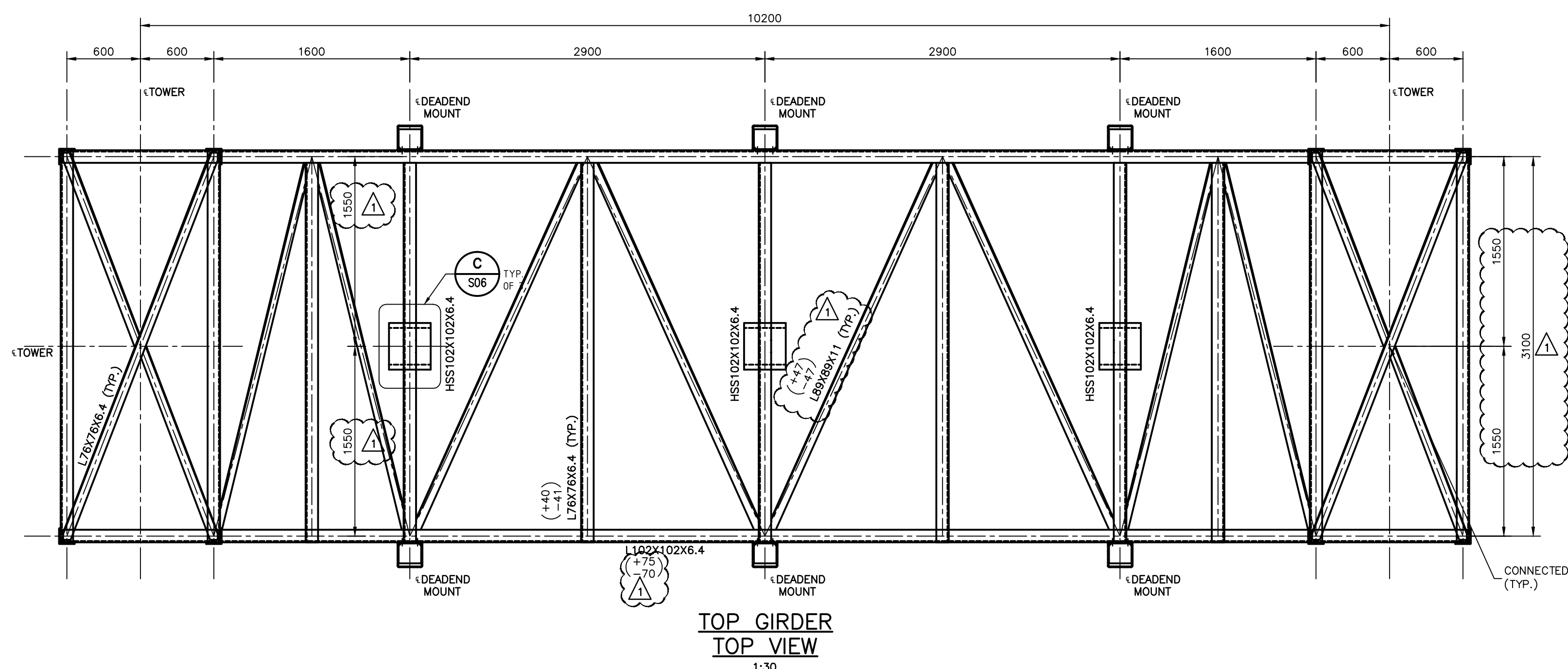
A	A Detail no. No. du détail	A
C	B Location drawing no. sur dessin no.	B C
	C Drawing no. dessin no.	

project: **BUILDING U-66
 NEW 115 KV OUTDOOR
 SUBSTATION
 UPLANDS CAMPUS**

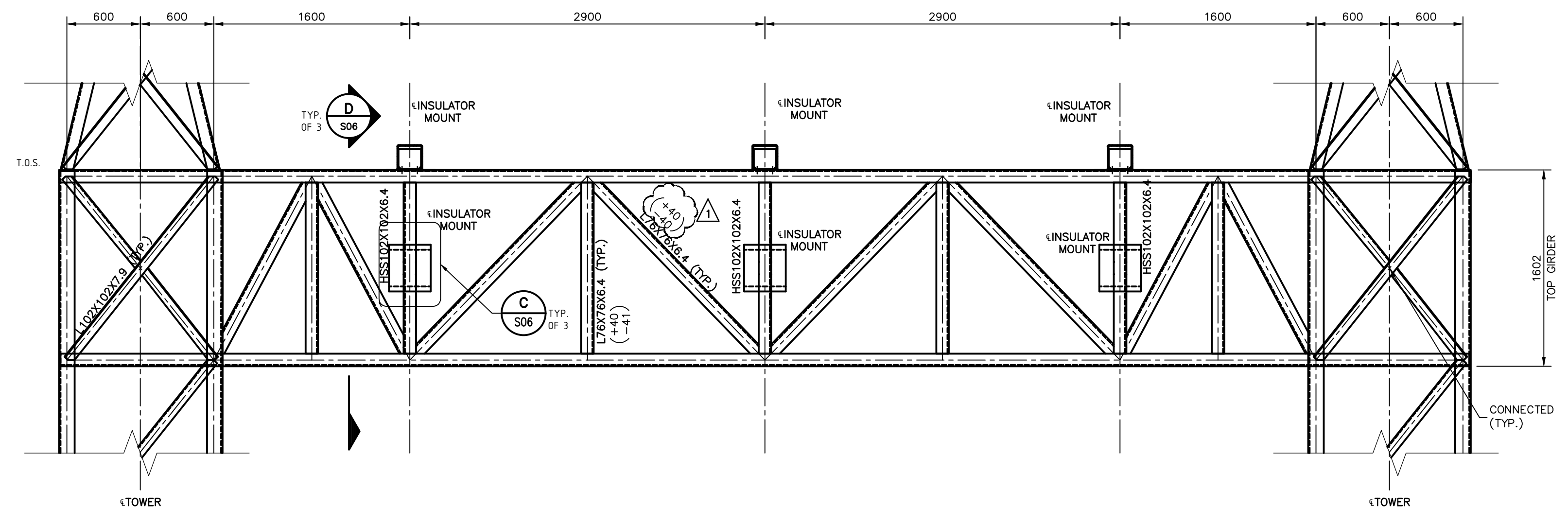
drawing: **STRUCTURAL
 GANTRY BASE
 SECTIONS AND DETAILS**

designed	conçu	date	date	drawn	dessiné	scale	échelle
T. MILLER		MARCH 2015		Y. WY		AS SHOWN	
checked	vérifié	sheet	feuille				
		21	of/ de			23	
approved	approuvé	W.O. no.	D.T. no.				
dwg. no.		Shantec No: 163301846					

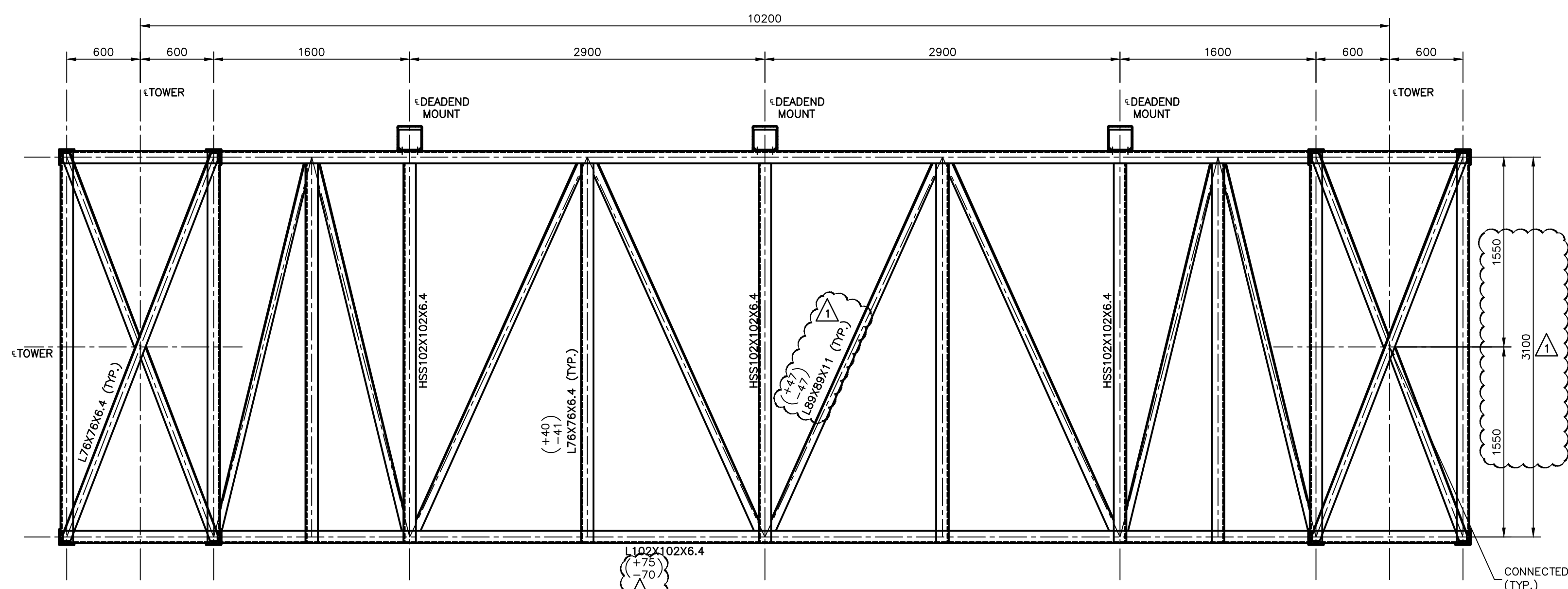
D-2642-S04
 D-5078-S04



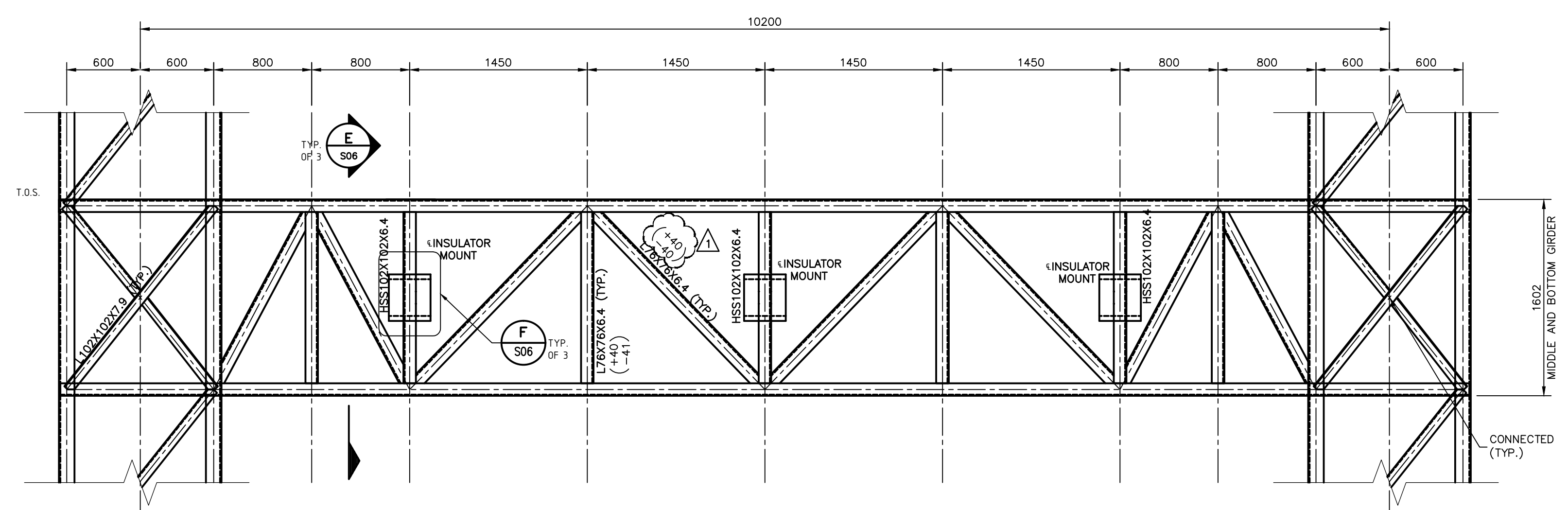
TOP GIRDER
TOP VIEW
1:30



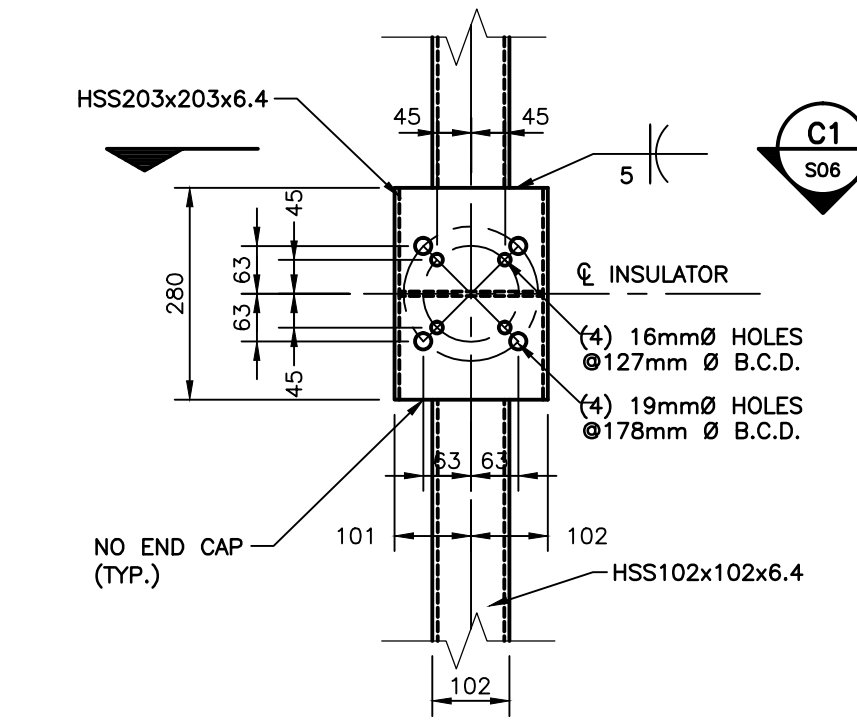
TOP GIRDER
FRONT & BACK VIEWS
1:30



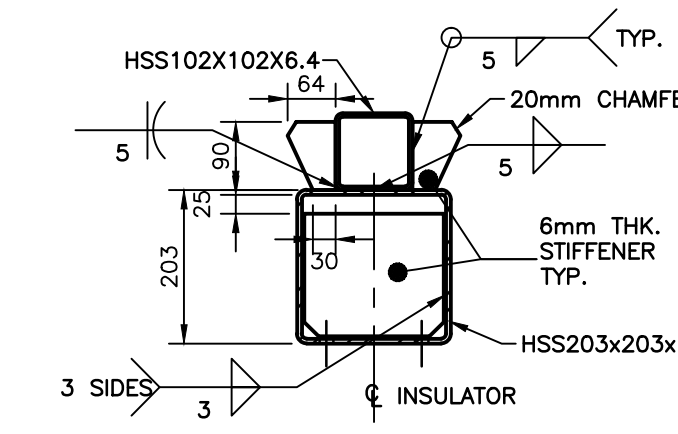
MIDDLE & BOTTOM GIRDER
TOP & BOTTOM VIEWS
1:30



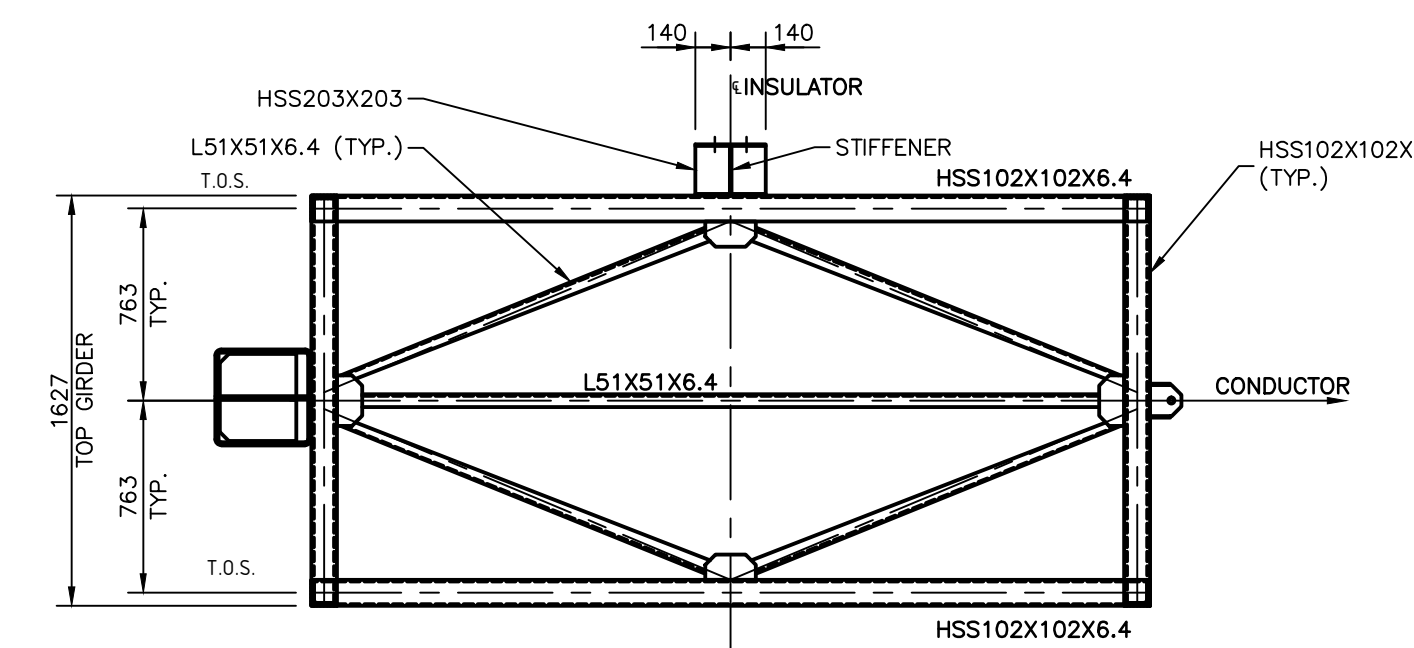
MIDDLE & BOTTOM GIRDER
FRONT & BACK VIEWS
1:30



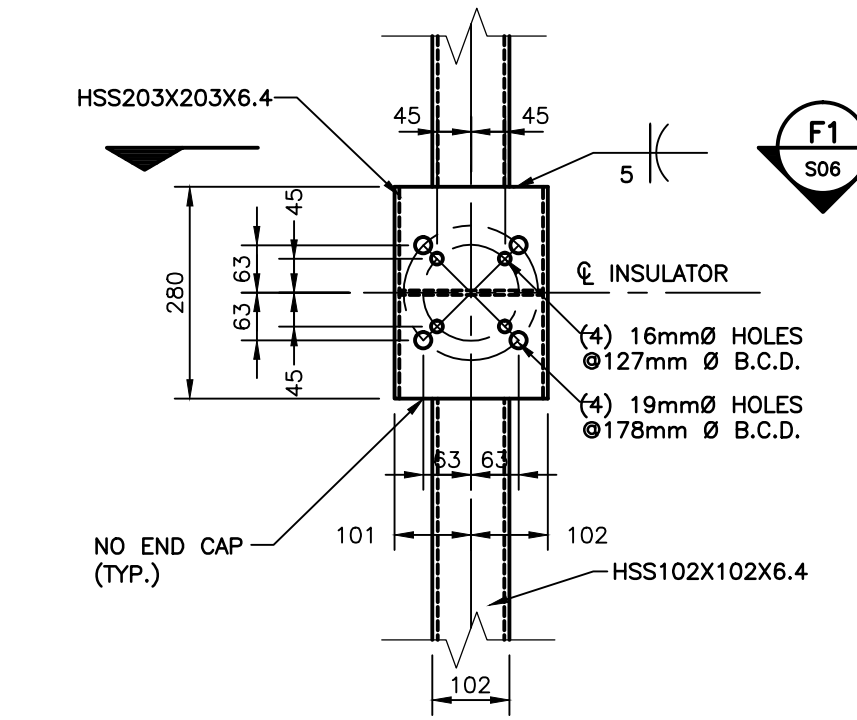
C INSULATOR MOUNTING DETAIL
1:10



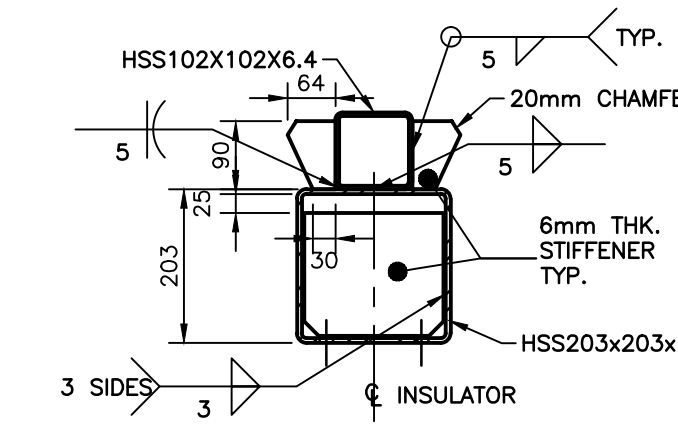
C1 SECTION
1:10



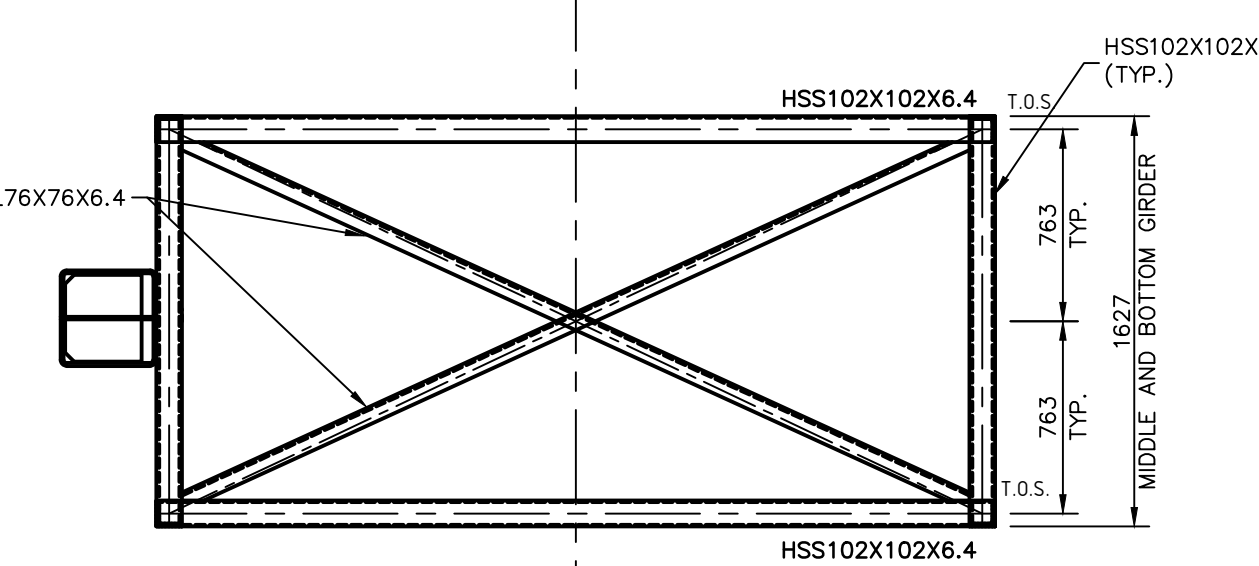
D SECTION
1:30



F INSULATOR MOUNTING DETAIL
1:10



F1 SECTION
1:10



E SECTION
1:30

15.09.02	REVISED AS PER ADDENDUM 4	T.M.
15.07.23	RE-ISSUED FOR TENDER	T.M.
15.07.17	ISSUED FOR TENDER	T.M.
15.07.08	ISSUED FOR 99% REVIEW	T.M.

No.	Date	Revision	By	Appr.
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Date Printed: _____ Date Imprimée: _____

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

A	A Detail no. No. du détail	A
C	B Location drawing no. sur dessin no.	B C
	C Drawing no. dessin no.	

project: **BUILDING U-66
NEW 115 KV OUTDOOR
SUBSTATION
UPLANDS CAMPUS** project

drawing: **STRUCTURAL
115 KV GANTRY STRUCTURE
GIRDER DETAILS** dessin

designed	T. MILLER	conçu	date	MARCH 2015	date
drawn	Y. WY	dessiné	scale	AS SHOWN	échelle
checked		vérifié	sheet	23	feuille
approved		approuvé	W.O. no.		D.T. no.
dwg. no.			Shantec No:	163301846	dessin no.

D-2642-S06
D-5078-S06

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