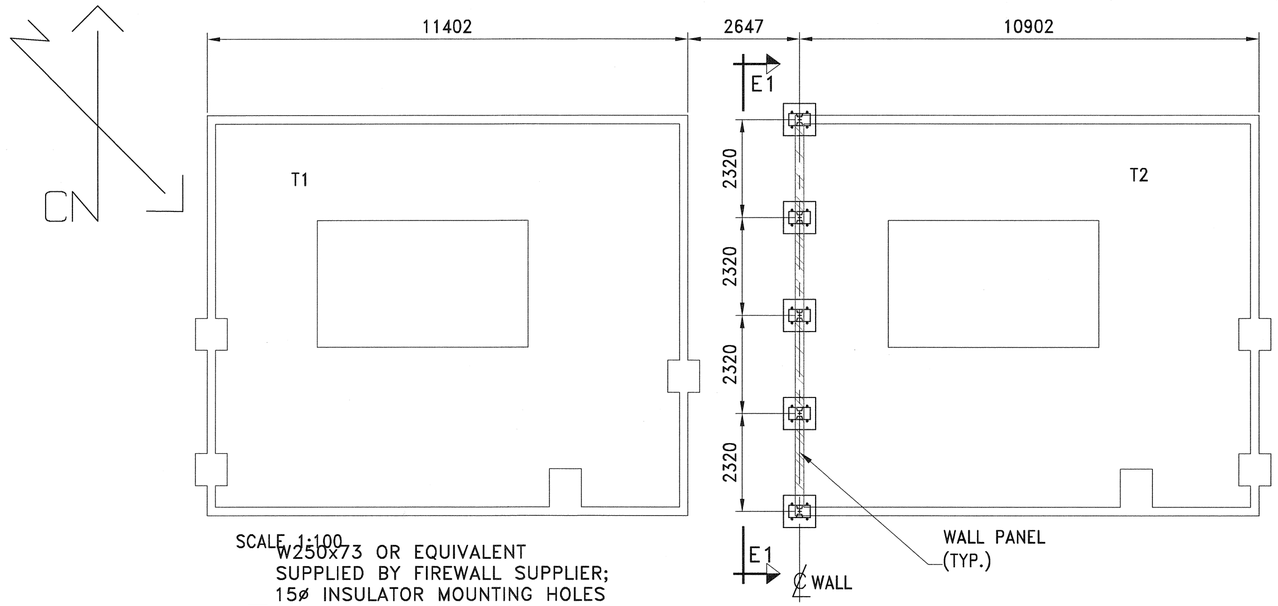
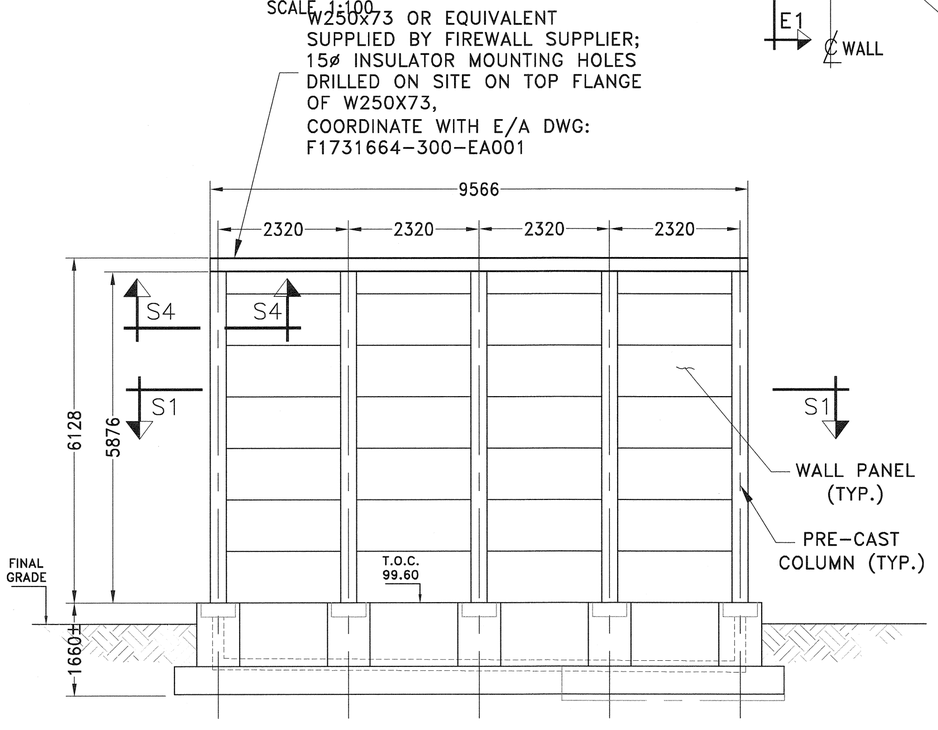
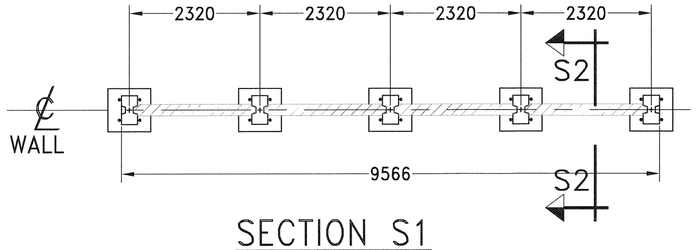


SCALE 1:100



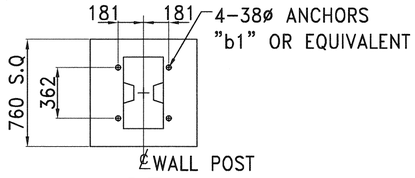
FIREWALL BETWEEN T1/T2 ELEVATION E1

SCALE 1:75



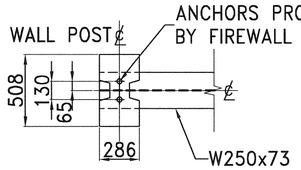
SECTION S1

SCALE 1:75



S3

SCALE: 1:30



S4

SCALE: 1:30

FIREWALL SPECIFICATION

1. SCOPE OF WORK

1.1 A NEW FIREWALL WILL PROVIDE ADEQUATE FIRE PROTECTION BETWEEN TRANSFORMERS "T1 & T2".

2. DESIGN CRITERIA

2.1 PROVIDED FIRE BARRIER SYSTEM SHALL BE DESIGNED TO HAVE A MINIMUM 25 YEARS DESIGN LIFE.

2.2 FIREWALL FIRE-RATING RESISTANCE IS 2HRS.

2.3 WALL AND SUPPORT SHALL BE DESIGNED TO WITHSTAND WIND LOAD OF 0.46KPa FOR HAMILTON AS PER OBC 2012.

2.4 WALL AND SUPPORT SHALL BE DESIGNED TO WITHSTAND OTHER LOADS(SEISMIC...) IN ACCORDANCE WITH LOCAL AND ONTARIO BUILDING CODE REQUIREMENTS.

2.5 WALL SHALL BE SUPPORTED BY FOUNDATION DESIGNED IN ACCORDANCE WITH SOUND ENGINEERING PRINCIPLES AND GOVERNING CODES AND REGULATIONS.

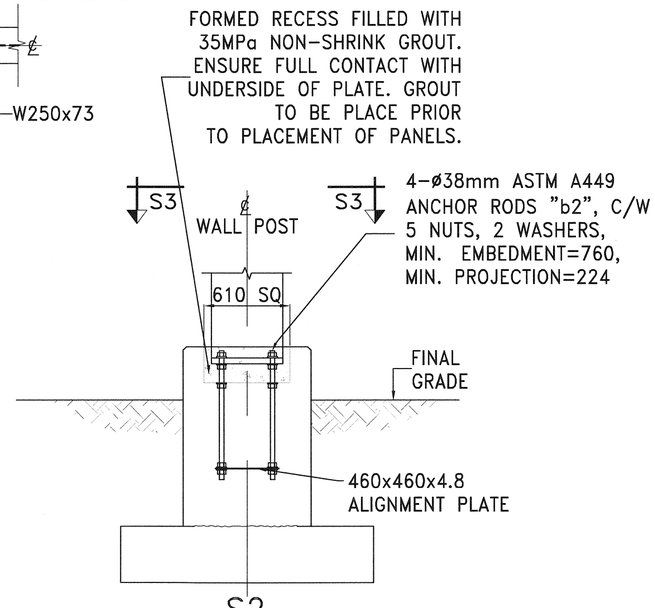
2.6 THE CONTRACTOR SHALL VERIFY ALL DIMENSION ON SITE AND CORRELATE WITH CONSTRUCTION DRAWING.
THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANNES PRIOR TO COMMENCING CONSTRUCTION.

2.7 STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 300W AND 350W (FOR "W" SHAPE). STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED.

2.8 ALL THE EXPOSED SURFACE OF THE STEEL SHALL BE OVER SPRAYED WITH PROTECTION COATING.

2.9 FOUNDATION CONCRETE: SPECIFIED COMPRESSIVE STRENGTH: 35MPa.

2.10 THIS DRAWING IS FOR REFERENCE ONLY.



S2

SCALE: 1:30

(FOR REFERENCE ONLY, FOUNDATION DETAILS REFER TO F1731664-100-F004)

NOTES :

REFERENCE DRAWING:

REFER TO DWG. F1731664-200-S001

GENERAL NOTES:

1. 115/13.8kV STATION
   FOUNDATION KEY PLAN & LIST
   FOUNDATION F1731664-100-F001

2. 115/13.8kV STATION
   BASIC LAYOUT
   ELECTRICAL ARRANGEMENT F1731664-300-EA001

3. 115/13.8kV STATION
   ELEVATIONS
   ELECTRICAL ARRANGEMENT F1731664-300-EA009

N°	DATE	TRANSMISSION	BY ENG
00	2018/09/27	RELEASED FOR CONSTRUCTION	S.Y.W

THE S.M. GROUP INTERNATIONAL INC.
6205B Airport rd, Mississauga (Ontario) L4V 1E3
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www.groupesm.com

STAMP :

LICENSED PROFESSIONAL ENGINEER
S.Y. WANG
100139367
2018/9/27
PROVINCE OF ONTARIO

CLIENT :

PROJECT :

MCMASTER UNIVERSITY-NF91

TITLE :

115/13.8kV STATION
FIREWALL BETWEEN "T1 / T2"
PLAN, ELEVATION & SPECIFICATION

PREPARED BY : S.Y.WANG	DATE : 2018-09-27
DRAWN BY : A.DUBÉ	SCALE : AS SHOWN
VERIFIED BY : Z.WANG	DISCIPLINE : STRUCTURE
APPROVED BY : S.Y.WANG	CAD FILE NAME F1731664-200-S004.dwg

PROJECT No:	LOT:	DWG. #	REV:	PAGE :
F1731664	200	S004	00	

A2