

GENERAL NOTES

- .1 THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA AND REFERENCED STANDARDS THEREIN.
- .2 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED. THE CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE CONSTRUCTION. AND REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.

STRUCTURAL STEEL NOTES

- .1 FABRICATE AND ERECT STRUCTURAL STEEL TO CAN/CSA S16.1.
- .2 PROVIDE STRUCTURAL STEEL TO CSA G40.21 WITH THE FOLLOWING GRADES:

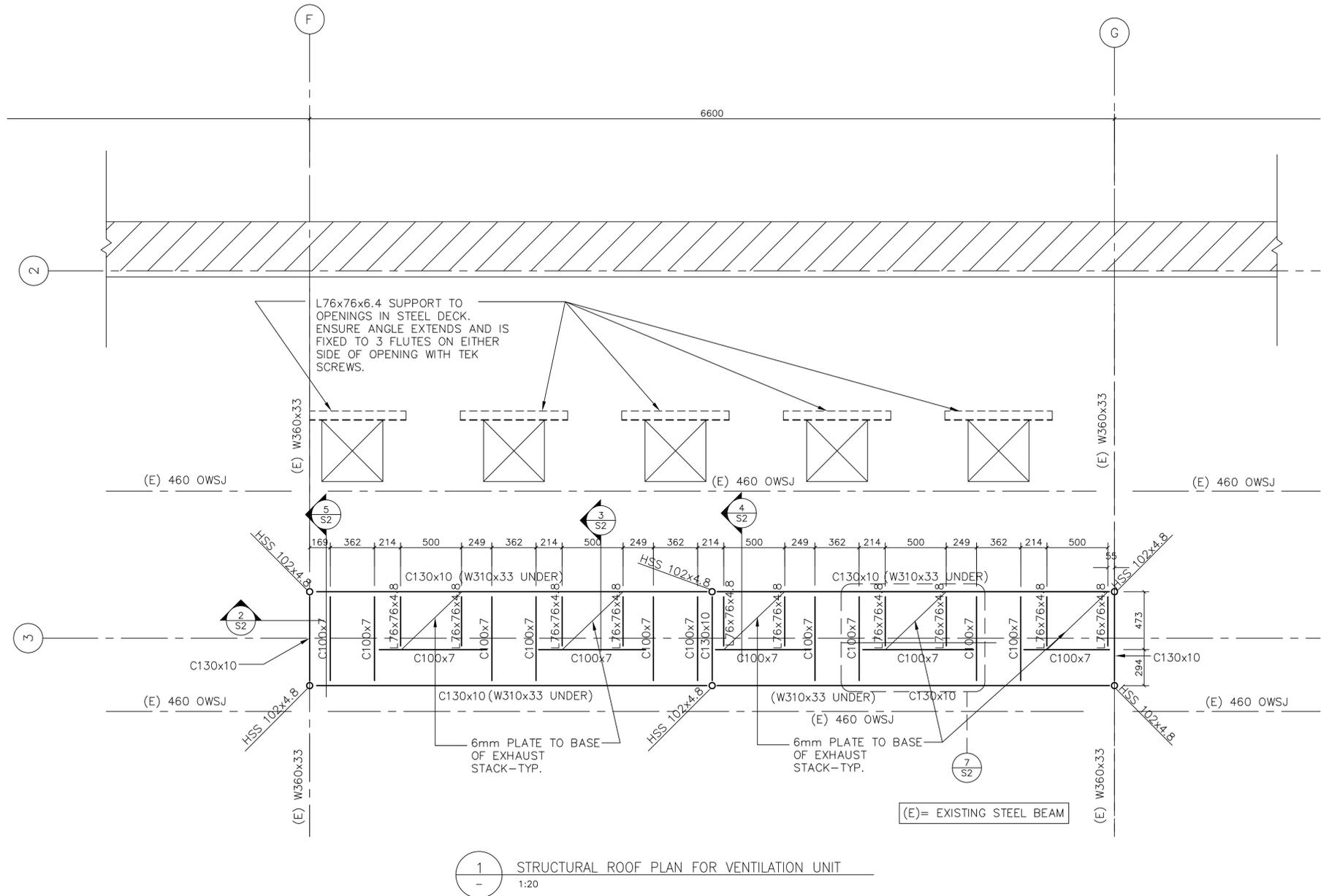
SECTION TYPE	GRADE OF STEEL (MPA)
WIDE FLANGE BEAMS & COLUMNS	350W
CHANNELS AND ANGLES	300W
HSS SECTIONS (CLASS C)	350W
STRUCTURAL BARS AND PLATES	300W

- .3 FABRICATOR TO BE CERTIFIED AS A DIVISION 1 or 2 COMPANY UNDER CSA W47.1. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
- .4 DIMENSIONS SHOWN ARE TO CENTRE LINES OF SECTIONS AND TO BACK OF CHANNELS OR ANGLES. ELEVATIONS SHOWN ARE TO TOP OF STEEL UNO.
- .5 WELD TO CSA W59 BY FABRICATORS QUALIFIED TO CSA W47.1.
- .6 FIELD WELDING AND FIELD MODIFICATION OF STRUCTURAL STEEL SHALL NOT BE ALLOWED WITHOUT PRIOR REVIEW AND APPROVAL BY THE ENGINEER.
- .7 CONNECTIONS NOT DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED AND DETAILED BY THE STEEL FABRICATOR. ALL SHOP DRAWINGS MUST INCLUDE A STAMP BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN.
- .8 MINIMUM WELDS FOR CONNECTIONS SHALL BE 5 MM FILLET WELD AND WHERE EXPOSED IN FINISHED BUILDING WELD SHALL BE GROUND SMOOTH.
- .9 CLEAN ALL STEEL PRIOR TO PAINTING TO SSPC SURFACE PREPARATION SPECIFICATION NO. 3 "POWER TOOL CLEANING".
- .10 PAINT STEEL SURFACES WITH ONE COAT OF PRIMER TO CISC/CPMA 1-73A. AFTER ERECTION PRIME ALL WELDS, ABRASIONS, BOLTED CONNECTIONS AND ALL OTHER SURFACES NOT SHOP PRIMED, EXCEPT SURFACES TO BE IN CONTACT WITH CONCRETE. FINISH COAT AS PER ARCHITECTS SPECIFICATION

DESIGN LOADS

DEAD= 1.0 kN/m²

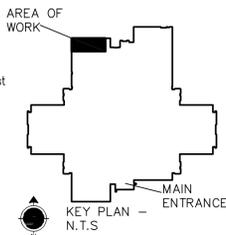
IMPOSED (FROM EQUIPMENT)= 1.0 kN/m²



1 STRUCTURAL ROOF PLAN FOR VENTILATION UNIT
1:20



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07_06_2013	TENDER	Drawn/Dessine	NP	Date/Date	2013.06.07
24_05_2013	100%_REVIEW	DWG. Title/Titre Dessin	STRUCTURAL DESIGN	Scale/Echelle	1:20
10_05_2013	50%_REVIEW				
DATE	REVISION				

CHEMICAL ROOM ACID STORAGE RETROFIT



Environment Canada
Property Management
District 2

NATIONAL HYDROLOGY RESEARCH CENTRE
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SASKATOON, SK, S7N 3H5

DWG # / DESSIN #
S1

