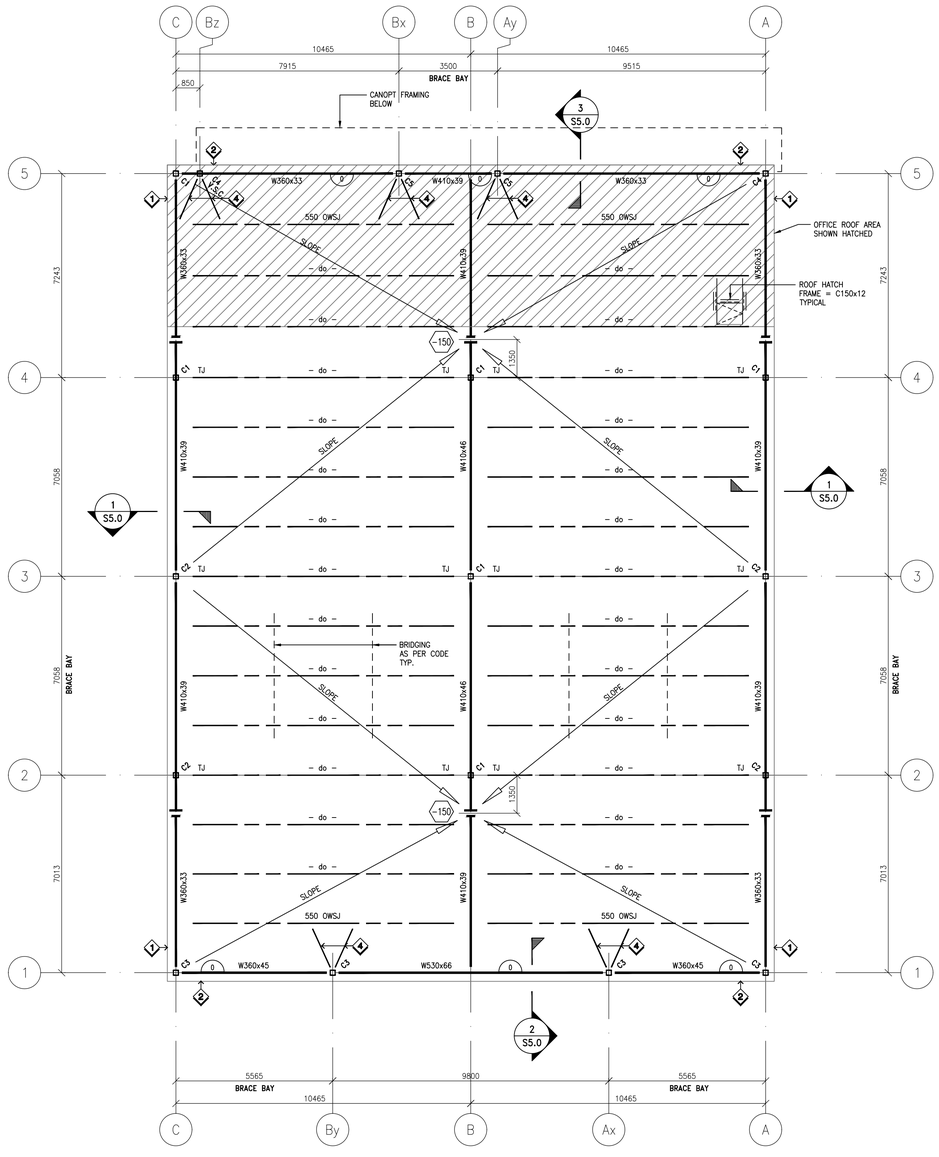
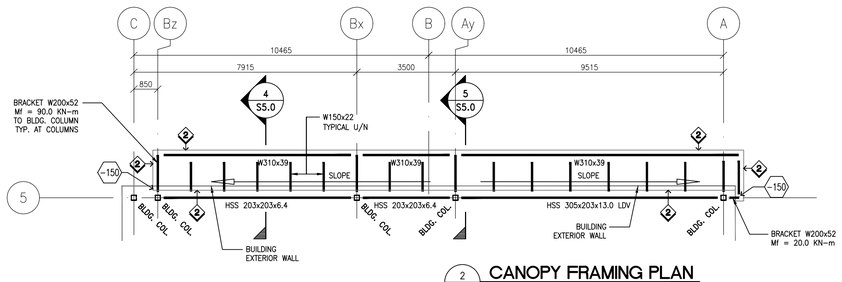


1 S3.0 ROOF FRAMING PLAN
SCALE 1:100



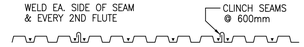
2 S3.0 CANOPY FRAMING PLAN
SCALE 1:100

NOTE: GENERAL NOTES SEE DRWG. S6.0
ROOF STEEL NOTES, COLUMN SCHEDULE AND KEY NOTES SEE DRWG. S3.0
CANOPY TOP OF STEEL ELEV. = 3200 A.F.G.F. AT HIGH POINT
ALL TOP OF CANOPY BEAMS ARE AT 0 UNLESS NOTED OTHERWISE.

CONSTRUCTION NORTH

ROOF STEEL NOTES

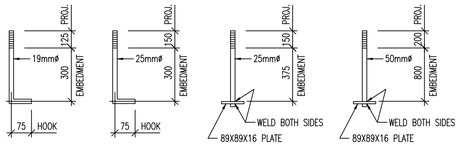
1. FOR GENERAL NOTES AND ROOF DESIGN CRITERIA SEE DWG. S6.0.
2. TOP OF STEEL JOISTS 6350 mm ABOVE FIN. FLOOR AT HIGH POINTS & PERIMETER WITH SLOPES TO DRAIN AS SHOWN ON ROOF FRAMING PLAN.
3. TOP OF STEEL BEAMS TO BE 100 mm BELOW TOP OF JOISTS UNLESS NOTED OTHERWISE THUS ±0
4. EXTEND BOTTOM CHORD AND CONNECT TO COLUMNS AT T.J.
5. OPEN WEB STEEL JOIST BRIDGING SHALL CONFORM TO CAN/CSA-S16.01 CLAUSE 16.7 AND ALL APPLICABLE CODES. FOR ESFR REQUIREMENTS (IF APPLICABLE) RELATED TO BRIDGING, REFER TO SPECIFICATIONS.
6. STEEL DECK TO BE 38 mm ZF075 (LZC) ; RIBS @ 150 mm O.C. MINIMUM DECK THICKNESS SHALL BE 0.762 mm



7. WELD DECK TO PERIMETER ANGLE 300 mm O.C. WHERE ANGLE IS PERPENDICULAR TO FLUTES AND 600 mm O.C. WHERE ANGLE IS PARALLEL TO FLUTES.
8. WELD PERIMETER CONT. ANGLE FOR LATERAL FORCE OF 10 KN @ 1200 mm O.C. TO ROOF BEAM BRACKETS AND JOISTS.
9. CONFIRM ALL HOLES THROUGH ROOF WITH THE LATEST MECHANICAL AND ARCHITECTURAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT. REINFORCE OPENINGS AS PER PLAN.
10. ALL W AND HSS SECTIONS TO BE OF STEEL G40.21 GRADE 350W (50ksi). HSS SECTIONS TO BE CLASS "H" UNLESS NOTED OTHERWISED.
11. PROVIDE 10 mm STIFFENER PLATES @ CENTERLINE OF COLUMNS FOR WEBS OF ALL CANTILEVER AND CONTINUOUS BEAMS.

STEEL COLUMN SCHEDULE NOTES

1. U/S OF BASE PLATES TO BE 350 mm BELOW FIN. FLOOR TYP. UNLESS OTHERWISE NOTED.
2. ✱ 25mm MINIMUM BASE PLATE AT BRACING COLUMNS.
3. ALL W AND HSS SECTIONS TO BE OF STEEL G40.21 GRADE 350W (50ksi). HSS SECTIONS TO BE CLASS "H" UNLESS NOTED OTHERWISE.
4. COLUMNS TO HAVE ANCHOR RODS AS INDICATED IN COLUMN SCHEDULE.



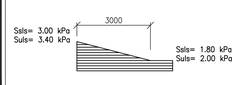
STEEL COLUMN SCHEDULE

Col	Column Size	Base Plate Size ✱	Anchor Rod	Remarks
C1	HSS 152x152x6.4	330x25x330	4 – TYPE "A"	
C2	HSS 152x152x6.4	330x25x330	4 – TYPE "B"	
C3	HSS 152x152x6.4	330x25x330	4 – TYPE "C"	
C4	HSS 254x254x8.0	430x25x275	4 – TYPE "A"	
C5	HSS 254x254x8.0	430x25x275	4 – TYPE "C"	

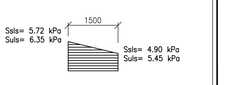
KEY NOTES

1. CONT. L76x76x6.4 TOED UP WELD TO JOIST EXTENSIONS
2. CONT. L76x76x6.4 TOED UP BRKT. TO BEAM / OWSJ @ MAX. 1200mm O.C. (IF REQUIRED) BRKT.= L76x76x6.4
3. CONT. L76x76x6.4 TOED DOWN BRKT. TO BEAM / OWSJ @ MAX. 1200mm O.C. (IF REQUIRED) BRKT.= L76x76x6.4
4. BRACE L64x64x6.4 TOP OF COLUMN TO TOP CHORD OF ADJACENT OWSJ
6. BRACE L64x64x6.4 BOTTOM FLANGE OF BEAM OR BOTTOM CHORD OF OWSJ TO TOP CHORD OF ADJACENT JOIST

TYPICAL SNOW PILEUP AT ROOF TOP UNITS



TYPICAL SNOW PILEUP AT CANOPY



REV	DESCRIPTION	DATE	BY
	ISSUED FOR BUILDING PERMIT	07.28.15	ES

LICENSED PROFESSIONAL ENGINEER
07.28.15
T. J. SARNA
PROVINCE OF ONTARIO

NEW WAREHOUSE AT:
200 INDUSTRIAL PARKWAY SOUTH
AURORA, ONTARIO

DORLAN
ENGINEERING CONSULTANTS INC.
7560 AIRPORT ROAD – UNIT 13
MISSISSAUGA • ONTARIO • CANADA
L4T 4H4
Tel (905)671-4377 Fax (905)671-4381

DRAWING CONTENT:
ROOF FRAMING PLAN

DATE	JUNE, 2015
DRAWN BY	ES
CHECKED BY	DM
SCALE	1:100 U/N
PROJECT No.	D15067
DRAWING No.	S3.0