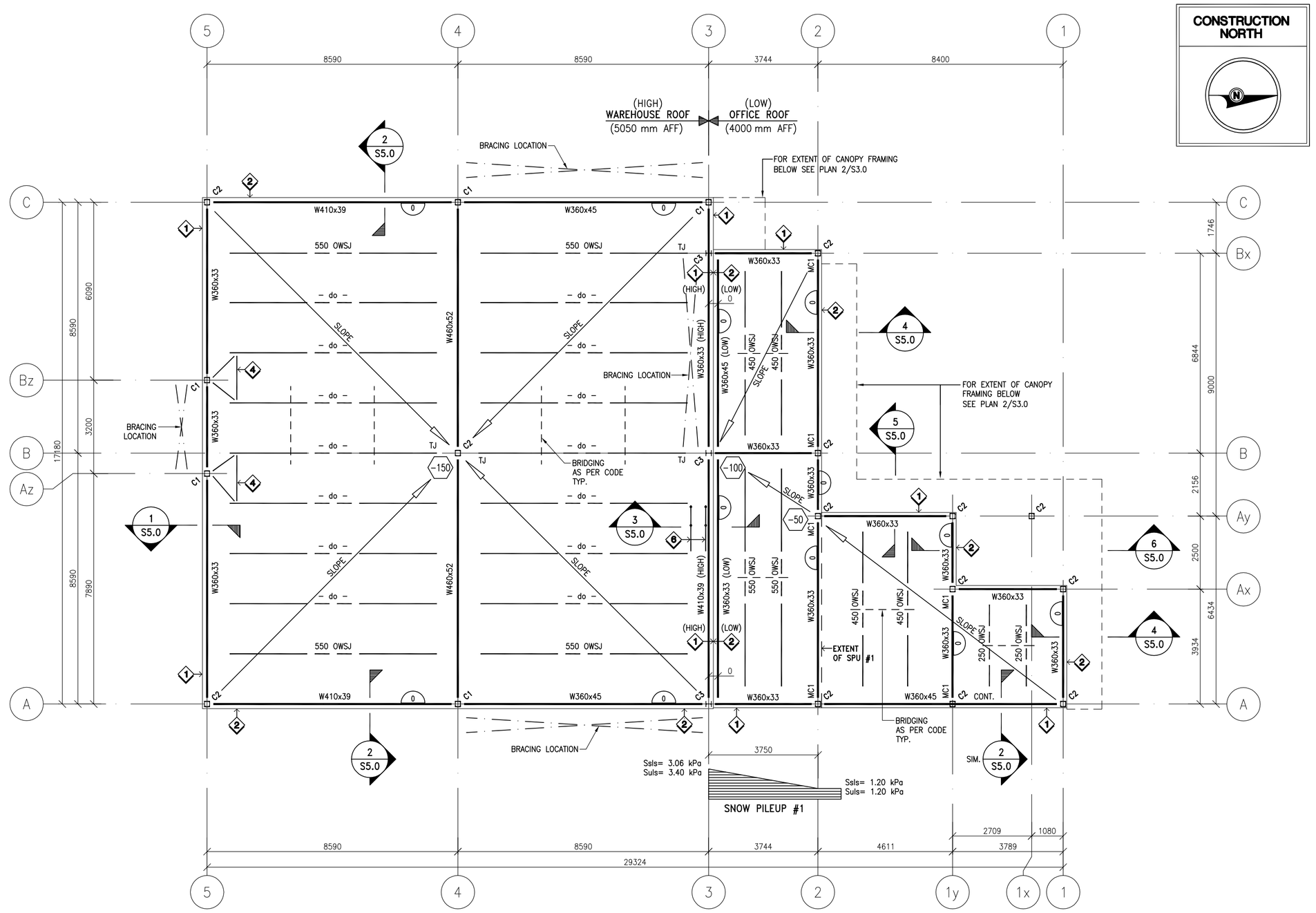
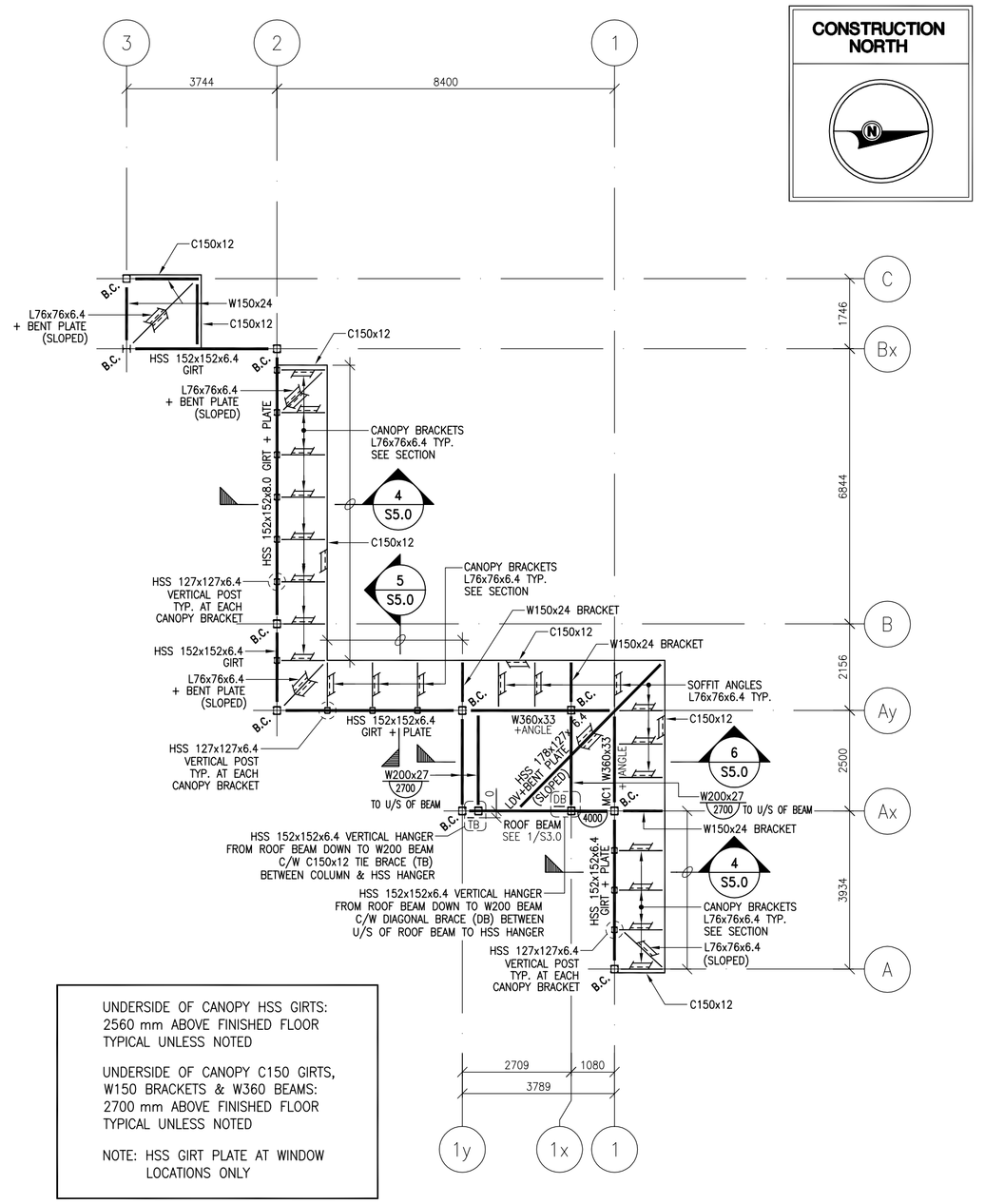


1 S3.0 ROOF FRAMING PLAN

SCALE 1:100 HIGH-WAREHOUSE/LOW-OFFICE



2 S3.0 LOW CANOPY FRAMING PLAN

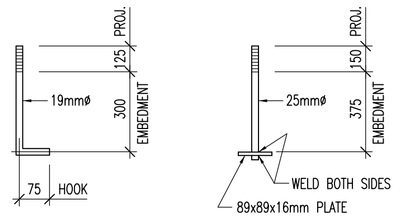
SCALE 1:100

ROOF STEEL NOTES

1. FOR GENERAL NOTES AND ROOF DESIGN CRITERIA SEE DRAWING S6.0 FOR ELEVATIONS (BUILDING/BRACING) SEE DRAWING S4.0
2. TOP OF STEEL JOISTS:
   WAREHOUSE ROOF: 5050 mm ABOVE FINISHED FLOOR AT HIGH POINTS & PERIMETER (HIGH) WITH SLOPES TO DRAIN AS SHOWN ON ROOF FRAMING PLAN.
   OFFICE ROOF: 4000 mm ABOVE FINISHED FLOOR AT HIGH POINTS & PERIMETER (LOW) 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
   WELD EA. SIDE OF SEAM & EVERY 2ND FLUTE — CLINCH SEAMS @ 600mm
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 OTHERWISE.
11. PROVIDE 10 mm STIFFENER PLATES @ CENTERLINE OF COLUMNS FOR WEBS OF ALL CANTILEVER AND CONTINUOUS BEAMS.

STEEL COLUMN SCHEDULE NOTES

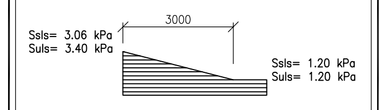
1. U/S OF BASE PLATES TO BE 350 mm BELOW FIN. FLOOR TYP. UNLESS NOTED OTHERWISE.
2. ✱ 25mm MINIMUM BASE PLATE AT BRACING COLUMNS.
3. ALL W AND HSS SECTIONS TO BE OF STEEL G40.21 GRADE 350W (50ksi). HSS SECTIONS TO BE CLASS "H" UNLESS NOTED OTHERWISE.
4. COLUMNS TO HAVE ANCHOR RODS AS INDICATED IN COLUMN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



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
5. BRACE L64x64x6.4 BOTTOM FLANGE OF BEAM OR BOTTOM CHORD OF OWSJ TO TOP CHORD OF ADJACENT JOIST
6. C150x12 CHANNEL TOP CHORD OF OWSJ TO TOP CHORD OF ADJACENT OWSJ FOR H.W.T. SUPPORT FRAMING (SEE SECTION 3/S5.0)

SNOW PILEUP #2



TYPICAL FOR ROOF TOP UNITS

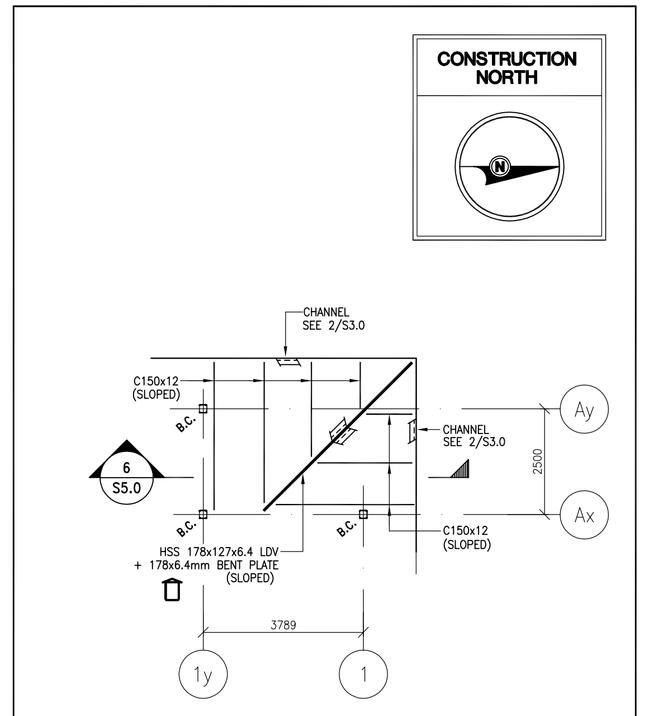
STEEL COLUMN SCHEDULE

Col	Column Size	Base Plate Size ✱	Anchor Rod	Remarks
C1	HSS 152x152x8.0	330x25x330	4 – TYPE "B"	BRACING COLUMN
C2	HSS 152x152x8.0	330x19x330	4 – TYPE "A"	TYPICAL COLUMN
C3	W250x73	430x25x330	4 – TYPE "B"	BRACING COLUMN

FRAME MOMENT SCHEDULE

Moment Designation	Moment Value
MC1	15.0 KN.m

NOTE: ALL MOMENT VALUES SHOWN ARE FACTORED MOMENTS



3 S3.0 MID CANOPY FRAMING PLAN

SCALE 1:100

REV	DESCRIPTION	DATE	BY
	ISSUED FOR TENDER	05.05.16	KR
	ISSUED FOR BUILDING PERMIT	05.03.16	KR
	ISSUED FOR COORDINATION	02.10.16	KR
	ISSUED FOR COORDINATION	12.24.15	KR

NEW WAREHOUSE & OFFICE AT:

1340 HEINE COURT

BURLINGTON, 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 AND CANOPY FRAMING PLANS

DATE	NOVEMBER, 2015
DRAWN BY	KR
CHECKED BY	RM
SCALE	1:100 U/N
PROJECT No.	D15068
DRAWING No.	S3.0