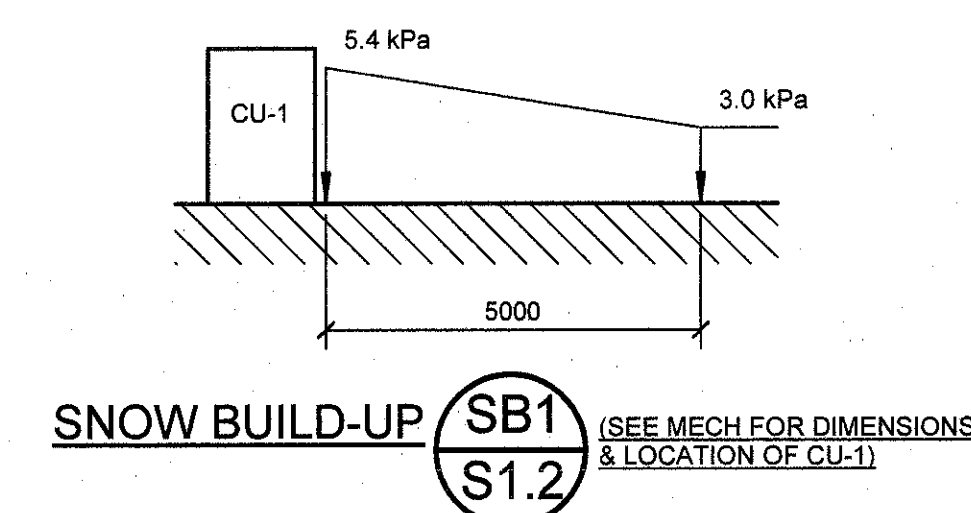
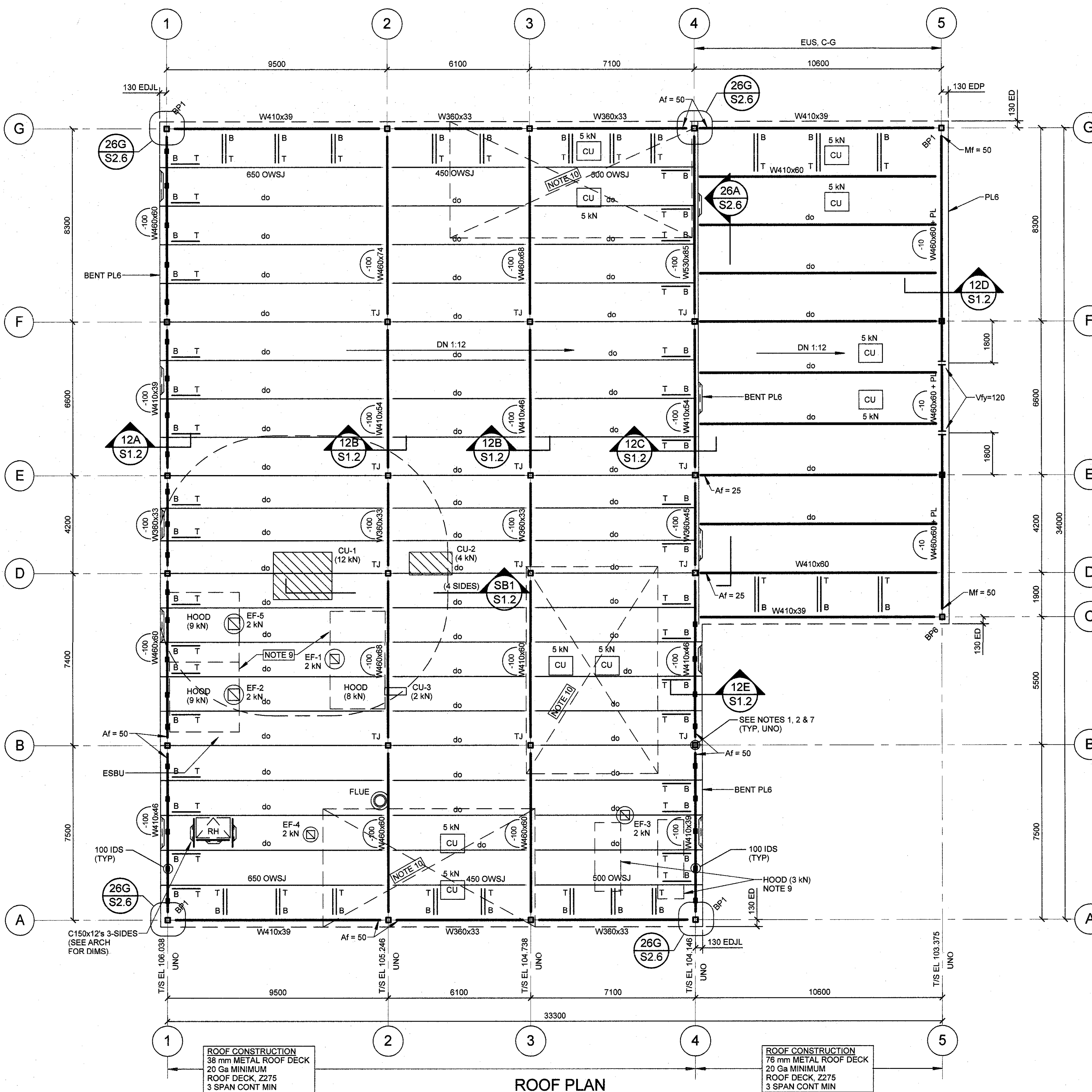


APPROX. NORTH

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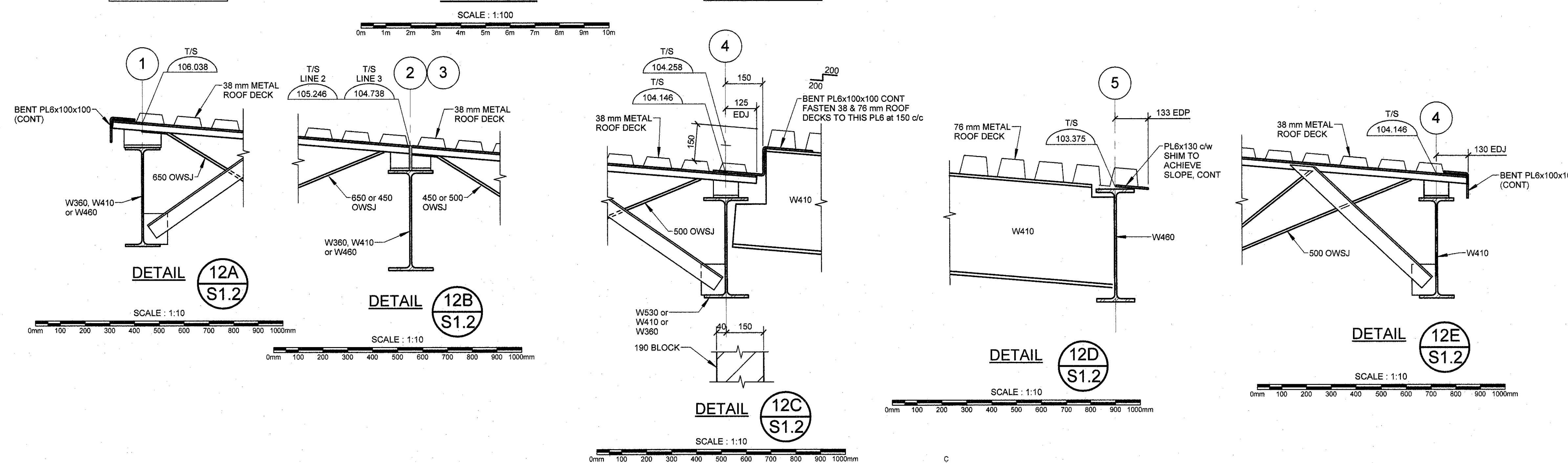
ROOF DESIGN LOADS UNO (SPECIFIED)
DL = 1.2 kPa + WOS
SL = 3.0 kPa + SBU
TL = 4.2 kPa + WOS + SBU
SEE NOTE 10 FOR ADDITIONAL LOAD.

SEISMIC LOAD
DESIGNED USING EQUIVALENT STATIC FORCE PROCEDURE
SEISMIC IMPORTANCE FACTOR $I_e = 1.0$
 $S_a(0.2) = 0.25$, $S_a(0.5) = 0.17$, $S_a(1.0) = 0.084$, $S_a(2.0) = 0.029$, $F_a = 1.0$, $F_v = 1.0$
 $I_e F_a S_a(0.2) = 0.250$
SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE = C (VERY DENSE SOIL AND SOFT ROCK)
FRAMING SYSTEM USED IS CONVENTIONAL CONSTRUCTION - STEEL FRAME WITH CONVENTIONAL MASONRY SHEAR WALLS.
PRIMARY MEMBERS DESIGNED USING $R_d = 1.5$, $R_o = 1.5$

GENERAL NOTES:

- ALL COLUMNS ARE HSS203x203x6.4 UNO.
- ALL STEEL COLUMNS HAVE A B22 TYPE BASE PLATE UNLESS NOTED OTHERWISE. SEE PLAN FOR OTHER BASE PLATES.
- ALL BEAMS & JOISTS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
- ALL DESIGN SNOW LOADS INDICATED ON THIS DRAWING INCLUDE A ULS IMPORTANCE FACTOR (I_s) OF 1.0. THIS IMPORTANCE FACTOR MAY BE REDUCED TO 0.9 FOR SLS.
- SEE MECH. ELECTRICAL, ARCH & FOOD SERVICES DWGS FOR DECK OPENINGS.
- ADDITIONAL SUPPORT CHANNELS ARE REQUIRED TO SUPPORT ALL MECHANICAL UNITS AND DECK OPENINGS ON THE ROOF PLAN. SEE TYPICAL DETAIL ON DWG S3.2. NOTE: CONFIRM SIZE, LOCATION AND NUMBER OF UNITS WITH MECH. FOOD SERVICES & ARCH DWGS.
- CAP TOP OF ALL HSS COLUMNS WITH 10 mm PLATE MIN AT UNDERSIDE OF METAL ROOF DECK SLOPED 1:12.
- ALL JOIST SHOES ARE 100 mm DEEP UNO, AND SLOPED.
- SEE ARCH, MECH AND FOOD SERVICES DRAWINGS FOR SIZE, LOCATION AND WEIGHTS OF UNITS SHOWN ON THIS DRAWING AND OTHERS NOT SHOWN. WEIGHTS SHOWN ARE APPROXIMATE ONLY. CONFIRM.
- AT FREEZERS AND COOLERS (SEE PLANS), DESIGN JOISTS FOR ADDITIONAL HUNG CEILING LOAD OF 0.5 kPa AS SERIES OF POINT LOADS AS REQUIRED BY CEILING PANEL LAYOUT.

TYPICAL LEGEND	
100	ELEVATION OF TOP OF BEAM FROM TOP OF STEEL ELEV. NOTED
Af	FACTORED AXIAL FORCE IN kN
AR1	ANCHOR ROD TYPE
ARCH	ARCHITECTURAL
B	BOTTOM
BOT	BOTTOM
BP1	BASE PLATE TYPE
c/c	CENTRE TO CENTRE
cw	COMPLETE WITH
CJ	WALL CONTROL JOINT, SEE DETAIL ON DRAWING S3.1
CL	CLEAR
COLS	COLUMNS
COMP	COMPOSITE
CONC	CONCRETE
CONT	CONTINUOUS
CU	CONDENSING UNIT
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
do	ON BEAMS, JOISTS, ETC INDICATES SAME AS ABOVE INCLUDING STUDS, CAMBER, V, ETC
DWG	DRAWING
ED	EXTENT OF DECK FROM CENTRELINE
EDJL	EXTENT OF DECK, JOIST & BENT PLATE FROM CENTRELINE
EDP	EXTENT OF DECK & PLATE FROM CENTRELINE
EF	EACH FACE
EF-1	EXHAUST FAN, SEE MECHANICAL
EL	ELEVATION
ELECT	ELECTRICAL
ERW	EXPANDING RUBBER WATERSTOP
ES	EACH SIDE
ESBU	EXTENT OF SNOW BUILD-UP
ESL	EXTENT OF SLAB FROM CENTRELINE
EUS	EXTERIOR UNHEATED STEEL, SEE SPECIFICATIONS FOR PAINT, PROVIDE GALVANIZED ANCHOR RODS AND CONNECTION BOLTS
EW	EACH WAY
F2	FOOTING TYPE, SEE FOOTING SCHEDULE
FD	FLOOR DRAIN
FG	FOOT GRILLE, SEE ARCH FOR SIZE & LOCATION
FL	FLOOR
FTG	FOOTING
Ga	GAUGE
GALV	HOT DIP GALVANIZE
H & V	HORIZONTAL AND VERTICAL
HDG	HOT DIP GALVANIZE
HORIZ	HORIZONTAL
IDS	INTERMEDIATE DECK SUPPORT
INSUL	INSULATION
INT	INTERIOR
Lg	LONG
LL	LIVE LOAD
LO	LOUVER OPENING
LOCOS	LOCATIONS
MAX	MAXIMUM
MD	MAN DOOR, SEE ARCHITECTURAL DWGS FOR DIMENSIONS TO MAN DOORS
MECH	MECHANICAL
Mf	FACTORED MOMENT IN kN-m
MIN	MINIMUM
MO	MECHANICAL OPENING, SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
Mz	PROVIDE TORSION RESISTANT CONNECTIONS AT MEMBER ENDS
NTS	NOT TO SCALE
o/d	OUT TO OUT
OD	OUTSIDE DIAMETER
OHD	OVERHEAD DOOR
OPG	OPENING
OWSJ	OPEN WEB STEEL JOIST
P2	PIER TYPE, SEE PIER DETAILS
PL	PLATE
PROJ	PROJECTION
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCING
REQ'D	REQUIRED
RH	ROOF HATCH
SA	SEE ARCHITECTURAL
SBU	SNOW BUILD-UP
SC	SAWCUT CONTROL JOINTS
SIM	SIMILAR
SL	SNOW LOAD
SL1	CONCRETE SLAB TYPES
SLS	SERVICEABILITY LIMIT STATES
T	TOP
T&B	TOP AND BOTTOM
T/	TOP OF
T/F	TOP OF FOOTING
T/P	TOP OF PIER
T/S	TOP OF STEEL
T/W	TOP OF WALL
TI	FACTORED AXIAL TENSION IN kN
TJ	TIE JOIST
TL	TOTAL LOAD
TYP	TYPICAL
u/s	UNDERSIDE
ULS	ULTIMATE LIMIT STATES
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
Vfx	HORIZONTAL FACTORED SHEAR IN kN
Vfy	VERTICAL FACTORED SHEAR IN kN
VSC	VERTICAL SLIP CONNECTION
WOS	WEIGHT OF STEEL
WT	WEIGHT



NEW FOOD SERVICES BUILDING WESTMORLAND INSTITUTION

DORCHESTER, NB

ROOF PLAN

designed	GRC	concu
date	NOV 29, 2013	
drawn	PJN	desine
date	NOV 29, 2013	
approved	DLV	approve
date	NOV 29, 2013	
project number	R.061828.001	no. du projet
drawing no.	S1.2	no. du dessin