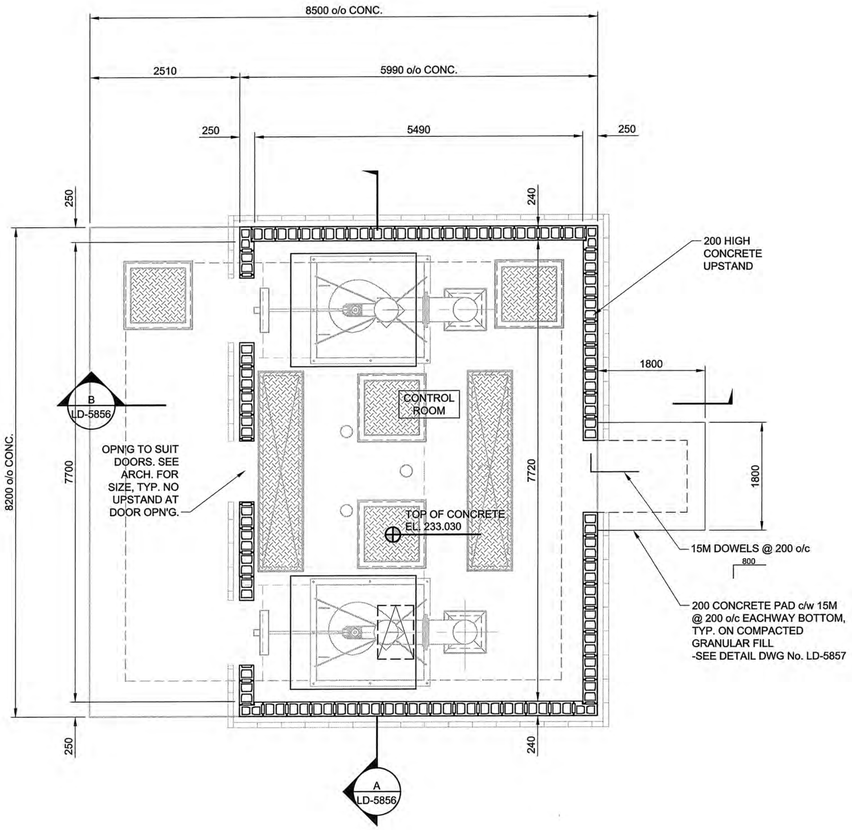
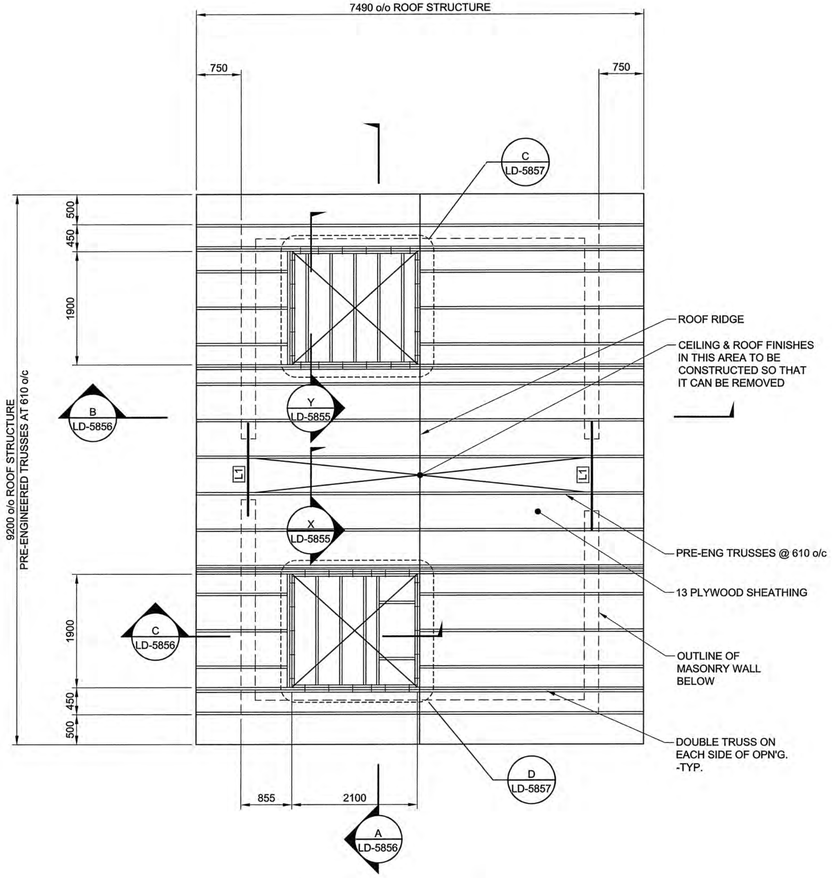


PLAN AT ELEV 233.030

VALVE SHED

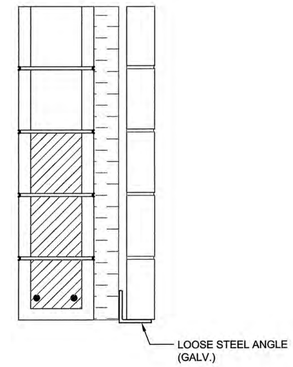
Scale 1 : 50



ROOF FRAMING PLAN

Scale 1 : 50

NOTE:
TRUSS FRAMING LAYOUT MAY NOT BE AS SHOWN.
VERIFY WITH TRUSS DESIGNER.



LINTEL L1:

- 240 CONC. "U" BLOCK 200 HIGH c/w 2-15M CONT. MIN. 200 BEARING EACH END
- CONCRETE FILL U BLOCK & THE NEXT 2 COURSE BLOCKS.
- BRICK SUPPORT ANGLE L100x100x10 (LOOSE) MIN. 200 BEARING EACH END

LINTEL L1 DETAIL

NOTE: Scale 1 : 10

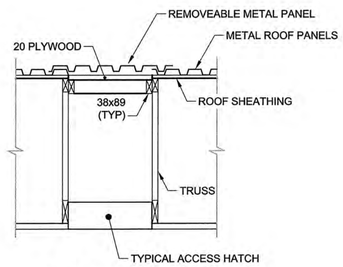
- ALL CONCRETE FILL SHALL BE 25 MPa STRENGTH

MASONRY LINTEL L1 ELEVATION

Scale 1 : 10

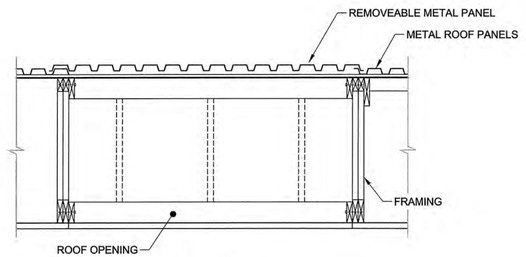
DESIGN LOADS:

1. DEAD LOADS:
   - .1) STRUCTURE SELF WEIGHT
   - .2) ROOF — 0.5 kPa
   - .3) MECH./ELEC. LOAD (SUSPENDED FROM TRUSSES) MAX. AT ANY PANEL POINTS UNLESS OTHERWISE NOTED ON STRUCTURAL/ MECHANICAL DWG'S. — 1.3 kN
2. LIVE LOADS
   - .1) GROUND SNOW LOAD - Ss = 1.7 kPa, Sr = 0.2 kPa
     MODIFY FOR DRIFT LOADING AS PER NBC 2005.
   - .2) WIND q(1/30) = — 0.420 kPa
   - .3) MAIN FLOOR u/n = — 4.80 kPa
   - .4) ROOF HATCH COVER = — 4.80 kPa
   - .5) SURCHARGE = — 12 kPa
   - .6) SOIL PRESSURE (SUBMERGED) = — PER GEOTECHNICAL REPORT
3. LOAD FACTORS (ABOVE GROUND PER CSA)
   - .1) LIVE LOAD = 1.25
   - .2) DEAD LOAD = 1.50
4. LOAD FACTORS (UNDERGROUND PER ACI-350)
   - .1) LIVE LOAD = 1.60
   - .2) DEAD LOAD = 1.25
   - .3) SOIL & GROUND WATER PRESSURE = 1.60



X SECTION

LD-5855 — Scale 1:20



Y SECTION

LD-5855 — Scale 1:20

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: July 27, 2012

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	12/07/27	WJd/KLC

AECOM

DESIGNED BY	GGP	CHECKED BY	KK
DRAWN BY	DEP	APPROVED BY	
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERT. SCALE	N/A		
DATE	12/07/30	DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
W. S. BISWANGER
2012/07/27
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
60221826-02-S-101-R0X.dwg

BID OPPORTUNITY NO. 587-2012

Winnipeg

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

INSTALLATION OF CONCRETE CULVERT AT PEMBINA HIGHWAY & BEAUJOLAIS COULEE

STRUCTURAL
FLOOD CONTROL STRUCTURE
SUPERSTRUCTURE PLANS AND DETAILS

SHEET 16 OF 19

CITY DRAWING NUMBER

LD-5855 REV 0