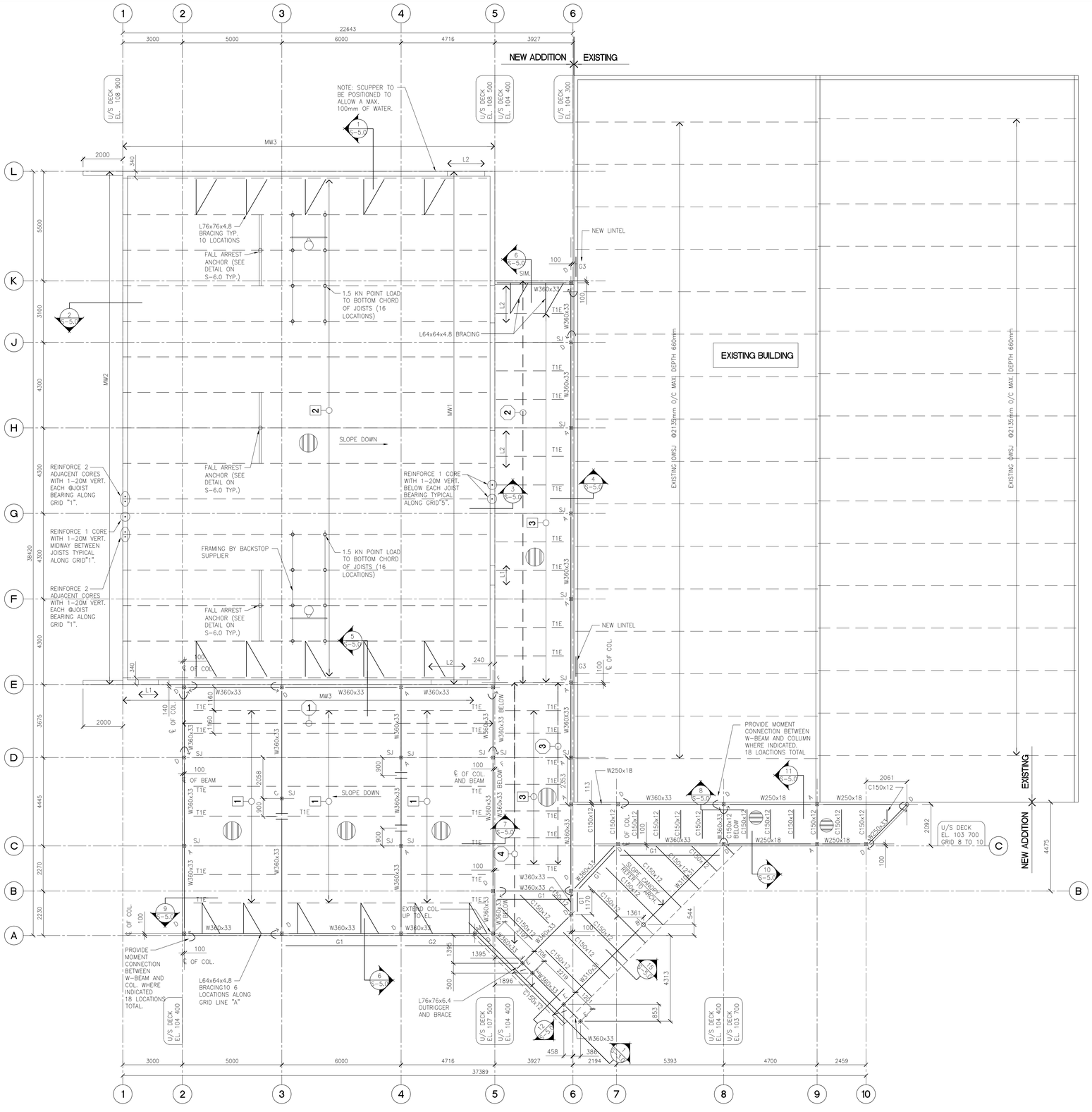
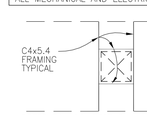


1 S-4.0 **ROOF FRAMING PLAN**
SCALE: 1:100

STEEL CONTRACTOR TO PROVIDE ALLOWANCE FOR ALL MECHANICAL AND ELECTRICAL UNIT FRAMING.



-REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND REFRIGERATION DRAWINGS FOR UNIT SIZES, LOCATIONS, AND WEIGHTS.
-ALL LOADS TO BE SUPPORTED FROM TOP CHORD OF JOISTS.

TYPICAL UNIT FRAMING DETAIL

38mm DEEP- 0.76mm THICK. STEEL DECK TYP. U.N.O.
BUTTON PUNCH @600mm O/C U.N.O.
WELDS @300mm O/C
INCREASE DECK GUAGE AS REQUIRED TO SUIT SNOW DRIFT LOADS.
U/S DECK EL. VARIES

SNOW DRIFT DIAGRAM SCHEDULE

MARK	DIAGRAM
1	5.48 kPa, 1.98 kPa, 6300
2	5.47 kPa, 6.90 kPa, 3927
3	1.98 kPa, 3.80 kPa, 3500
4	4.70 kPa, 2.30 kPa, 4000

NOTES:
-SNOW DRIFT LOADS INCLUDES UNIFORM SNOW LOAD = 1.98 kPa.
-ADJUST DECK GUAGE TO SUIT SNOW DRIFT LOADING

STEEL COLUMN SCHEDULE

MARK	COLUMN	BASE PLATE SIZE	U/S BASE PLATE
A	HSS127x127x4.8	280mm x140mm x16mm	EL. 100 025
B	HSS 325mmø x6.4	500mm x500mm x16mm	EL. 100 025
C	HSS127x127x6.4	280mm x140mm x16mm	EL. 100 025
D	HSS152x152x6.4	310mm x170mm x16mm	EL. 100 025
E	HSS203x203x6.4	400mm x220mm x16mm	EL. 100 025
F	HSS152x152x8.0	310mm x170mm x16mm	EL. 100 025
AA	HSS127x127x4.8	——	EL.

OPEN WEB STEEL JOIST SCHEDULE

MARK	OWSJ DEPTH (MAX.)	JOIST SPACING	LIVE LOAD	TOTAL LOAD
1	450mm	AS SHOWN ON PLAN	1.98 kPa	3.27 kPa
2	1100mm	AS SHOWN ON PLAN	1.98 kPa	3.27 kPa
3	300mm	AS SHOWN ON PLAN	1.98 kPa	3.27 kPa

NOTES:
-LIVE LOAD AND TOTAL LOAD SHOWN IN THE ABOVE OWSJ SCHEDULE DOES NOT INCLUDE SNOW DRIFT LOAD. REFER TO PLAN FOR SNOW DRIFT LOADING AND MECH. UNITS
-JOIST MARK "2" IS BOTTOM CHORD BEARING

GIRT SCHEDULE

MARK	SIZE	U/S ELEVATION
G1	HSS152x152x6.4	REFER TO ARCH.
G2	HSS152x152x11.0	REFER TO ARCH.
G3	3-PLY 2x12 SPF NO. 1/NO. 2	REFER TO ARCH.

MASONRY BLOCK WALL SCHEDULE

MARK	BLOCK STRENGTH	CONCRETE STRENGTH	MORTAR TYPE	WALL THICKNESS	VERTICAL STEEL REINFORCEMENT	NUMBER OF GROUTED CORES
MW1	20 MPa	20 MPa	S	240	1-20M @ ALL JOIST BEARING LOCATIONS	@REINFORCED CORES
MW2	20 MPa	20 MPa	S	240	1-20M @ 2 ADJACENT CORES AND 1-20M MIDWAY BETWEEN JOISTS	@REINFORCED CORES
MW3	20 MPa	20 MPa	S	240	1-20M EVERY 5TH CORE	@REINFORCED CORES

NOTES:
- REFER TO ARCH FOR CONTROL JOINT LOCATIONS
- FILL VERTICAL CORES WITH 20MPa CONC. & R/W 1-15M AT W-BEAM AND LINTEL BLOCK BEARING LOCATIONS. MIN. 200mm BEARING FOR W-BEAMS AND LINTELS

LINTEL BLOCK SCHEDULE (SEE ARCHITECTURAL FOR LINTEL SPANS & ELEVATIONS)

MARK	MAX. SPAN	BLOCK STRENGTH	CONCRETE STRENGTH	LINTEL SIZE	BEARING LENGTH	MORTAR TYPE	REINFORCMENT
L1	1000	20 MPA	20 MPA	240x390	200	S	2-15M BOTTOM
L2	3000	20 MPA	20 MPA	240x390	200	S	2-15M BOTTOM

NO.	REVISION	DATE	BY
3	ISSUED FOR BID OPPORTUNITY	03/27/08	NM
2	ISSUED FOR 99% REVIEW	02/12/08	NM
1	ISSUED FOR 50% REVIEW	12/05/07	NM

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THIS DRAWING SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.

THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL DIMENSIONS AND INFORMATION SHOWN ARE CORRECT.

PRIOR TO COMMENCEMENT OF WORK REPORT ANY DISCREPANCIES TO THE ARCHITECT.

VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE ARCHITECT.

CONSULTANT

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SEAL

ORIGINAL STAMPED BY:
NESTOR MARTINEZ, P.ENG
DATE: 03.27.08

APEGM
Certificate of Authorization
Tower Engineering Group
No. 1918 Expiry: April 30, 2008

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PROJECT TITLE

NORBERRY-GLENLEE COMMUNITY CENTRE EXPANSION

26 MOLGAT AVENUE
WINNIPEG, MB

SHEET TITLE

ROOF FRAMING PLAN

DRAWN BY	SCALE	SHEET NUMBER
SM	AS NOTED	S-4.0
CHECKED BY	DATE	
NM	03/27/08	
PROJECT NUMBER	REVISION	
06-017	R3	