

— 38mm x 140mm NO. 2 GRADE OR BETTER TONGUE AND GROOVE DOUGLAS FIR WOOD DECK BY WESTERN ARCHIB. TYP. U.N.O. (FACTORY PRE-FINISHED).
 — FASTEN WOOD DECK TO WOOD NAILER WITH 2-#8 x 76mm LONG CONSTRUCTION SCREWS @300mm O/C TYP. U.N.O.
 — PROVIDE #8 x 76mm LONG CONSTRUCTION SCREWS @300mm O/C AROUND PERIMETER OF WOOD DECK AREAS INTO WOOD NAILER TYP. U.N.O.

— 38mm — 0.76mm STEEL DECK TYP. U.N.O.
 — BUTT JUNCTION @900mm O/C U.N.O.
 — TRANSVERSE AND LONGITUDINAL WELDS @300mm O/C.
 — INCREASE DECK GAUGE AS REQUIRED TO SUIT SNOW DRIFT LOADS.
 — PROVIDE ACoustic DECK FOR GYMNASIUM, CREATIVE ARTS AND HOME IMPROVEMENT AREAS (SHADED AREAS ONLY — CONFIRM WITH ARCH.)
 — REFER TO ARCH. FOR ACoustic DECK SPECIFICATIONS.

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

NOTES:
 THIS DRAWING MUST NOT BE SCALED.
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING.
 WAITING AND REVISIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT THE PERMISSION OF THE CONTRACT ADMINISTRATOR.
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— REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR UNIT SIZES, LOCATIONS, AND WEIGHTS.
 — ALL LOADS TO BE SUPPORTED FROM TOP CHORD OF JOISTS.

TYPICAL UNIT FRAMING DETAIL

COLUMN SCHEDULE

MARK	COLUMN	BASEPLATE
A	HSS 127x127x4.8	280mmx152mmx19mm
B	HSS 152x152x4.8	305mmx175mmx19mm
C	HSS 178x178x6.4	305mmx175mmx19mm
D	HSS 203x203x8	381mmx250mmx19mm
E	HSS 203x203x9.5	381mmx250mmx19mm
F	HSS 127x4.8	216mmx216mmx19mm
G	HSS 127x127x4.8	220mmx140mmx19mm

NOTE:
 — PROVIDE 4 ANCHOR BOLTS TO ALL COLUMNS TYP.
 — U/S OF BASEPLATE ELEV. = 99.850mm TYP. U.N.O.
 — PROVIDE 30mm GROUT TO U/S OF COLUMN BASEPLATE TYP. U.N.O.
 — SEE PLAN DETAIL C/S-5.0 FOR CORNER COLUMN BASEPLATE CONFIGURATION.
 — COLUMNS MARK (+) PROVIDE MIN. 50mm SLIP CONNECTION TO U/S OF ROOF BEAMS TYP. U/S OF BASEPLATE ELEV. = 1/0 HOLLOWCORE (U.N.O.). HIDE BASEPLATE IN THE WALL.
 — COLUMN MARK (T), U/S OF BASEPLATE ELEV. = 100.025mm (WITH 25mm GROUT UNDER THE BASEPLATE).
 — PROVIDE 16mm x 150mm LONG NELSON STUDS TO COLUMN (BOTH SIDES AS REQUIRED) EVERY 3RD COURSES AND @ BOND BEAM TYP.
 — ALL CROSS BRACING LOCATIONS, SEE S-6.1 FOR DETAIL.

OPEN WEB STEEL JOIST SCHEDULE

MARK	OWS DEPTH (MAX.)	JOIST SPACING	LIVE LOAD	TOTAL LOAD
1	1050 mm	AS SHOWN ON PLAN	1.72 kPa	2.68 kPa**
2	610 mm	AS SHOWN ON PLAN	1.72 kPa	2.68 kPa**
3	711 mm	AS SHOWN ON PLAN	1.72 kPa	2.68 kPa**
4	457 mm	AS SHOWN ON PLAN	1.72 kPa	2.68 kPa**
5	305 mm	AS SHOWN ON PLAN	1.72 kPa	2.68 kPa**

— REFER TO PLAN AND SNOWDRIFT DIAGRAM SCHEDULE FOR ALL SNOWDRIFT LOADING. (SNOWDRIFT LOAD TO BE ADDED TO L.L. AND T.L. SHOWN).
 — PROVIDE 102mm DEEP JOIST SEATS TYP. U.N.O.

CHANNEL BEAM SCHEDULE (BACK TO BACK)

MARK	CHANNEL DEPTH (MAX.)	CHANNEL SPACING	LIVE LOAD	TOTAL LOAD
6	2-C200x17	AS SHOWN ON PLAN (REFER TO ARCH.)	1.72 kPa	2.68 kPa**

— REFER TO PLAN AND SNOWDRIFT DIAGRAM SCHEDULE FOR ALL SNOWDRIFT LOADING. (SNOWDRIFT LOAD TO BE ADDED TO L.L. AND T.L. SHOWN).

GIRT SCHEDULE

MARK	GIRT SIZE	1/0 GIRT ELEVATION	U/S OF GIRT ELEVATION
G1	HSS152x152x6.4	—	EL. 102.800mm
G2	HSS152x152x9.5	—	EL. 102.800mm
G3	HSS152x102x4.8 (LLH)	—	EL. 102.800mm
G4	HSS152x152x4.8	—	EL. 102.800mm
G5	HSS152x102x6.4 (LLH)	—	EL. 102.800mm
G6	HSS152x152x6.4	—	EL. 103.150mm ±
G7	HSS152x102x4.8 (LLH)	—	EL. 104.650mm ±
G8	HSS152x102x4.8 (LLH)	—	—
G9	HSS127x76x4.8 (LLH)	EL. 104.550mm ±	—
G10	HSS152x102x6.4 (LLH)	EL. 104.550mm ±	—
G11	HSS152x76x4.8 (LLH)	—	EL. 102.340mm ±

NOTES:
 — CONFIRM GIRTS ELEVATION WITH ARCH.
 — GIRTS MARK "G7" AND "G11", PROVIDE 13mm SAG ROD @MID-SPAN TYP. OR @300mm O/C MAX.
 — GIRTS MARK "G8", SEE BACKSTOP SUPPLIER FOR U/S OF GIRT ELEV.
 — GIRTS MARK "G9", PROVIDE L64x64x4.8 STUBS TO BEAM BELOW GIRTS @MID SPAN (5 LOCATIONS).
 — GIRTS MARK "G10", PROVIDE L64x64x4.8 STUBS TO BEAM BELOW GIRTS @1/3 SPAN (4 LOCATIONS).
 — ADDITIONAL GIRTS SHOWN ON S-3.0.

NOTES:
 — CROSS BRACING TO BE CENTERED WITHIN STEEL STUD WALL TYP.
 — CROSS BRACING TO BE IN SAME PLANE WITH EACH OTHER, NOT BY BRACING IE. TOTAL WIDTH S 64mm OR 78mm NOT 127mm OR 152mm TYP.
 — SEE 2/S-4.0.

STEEL STUD NOTES
 — ALL EXTERIOR STEEL STUDS TO BE 152mm (6")-20 Ga. #400mm O/C TYP. U.N.O.
 — EXTERIOR STEEL STUDS ALONG GRIDLINE 2 (BETWEEN A-D), GRIDLINE "A" (BETWEEN 2-5), AND GRIDLINE 6 (BETWEEN A-B AND E-F), TO BE 152mm (6")-18 Ga. #400mm O/C.
 — REFER TO ARCH. FOR ALL INTERIOR STEEL STUD WALL FRAMING TYP.
 — SEE 2/S-4.0 FOR STEEL STUDS AT CROSS BRACE LOCATIONS TYP.

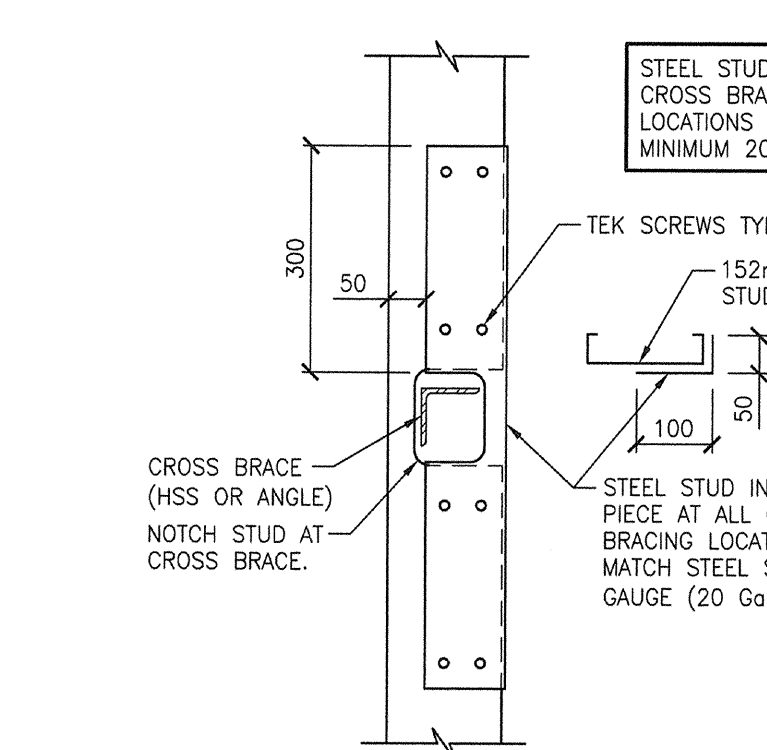
LOOSE LINTEL SCHEDULE

MAX. SPAN	LINTEL SIZE (GALVANIZED)	MIN. BEARING LENGTH
1500mm	L89x89x6.4	100mm
2500mm	L102x89x6.4	150mm
3500mm	L152x102x7.9	200mm

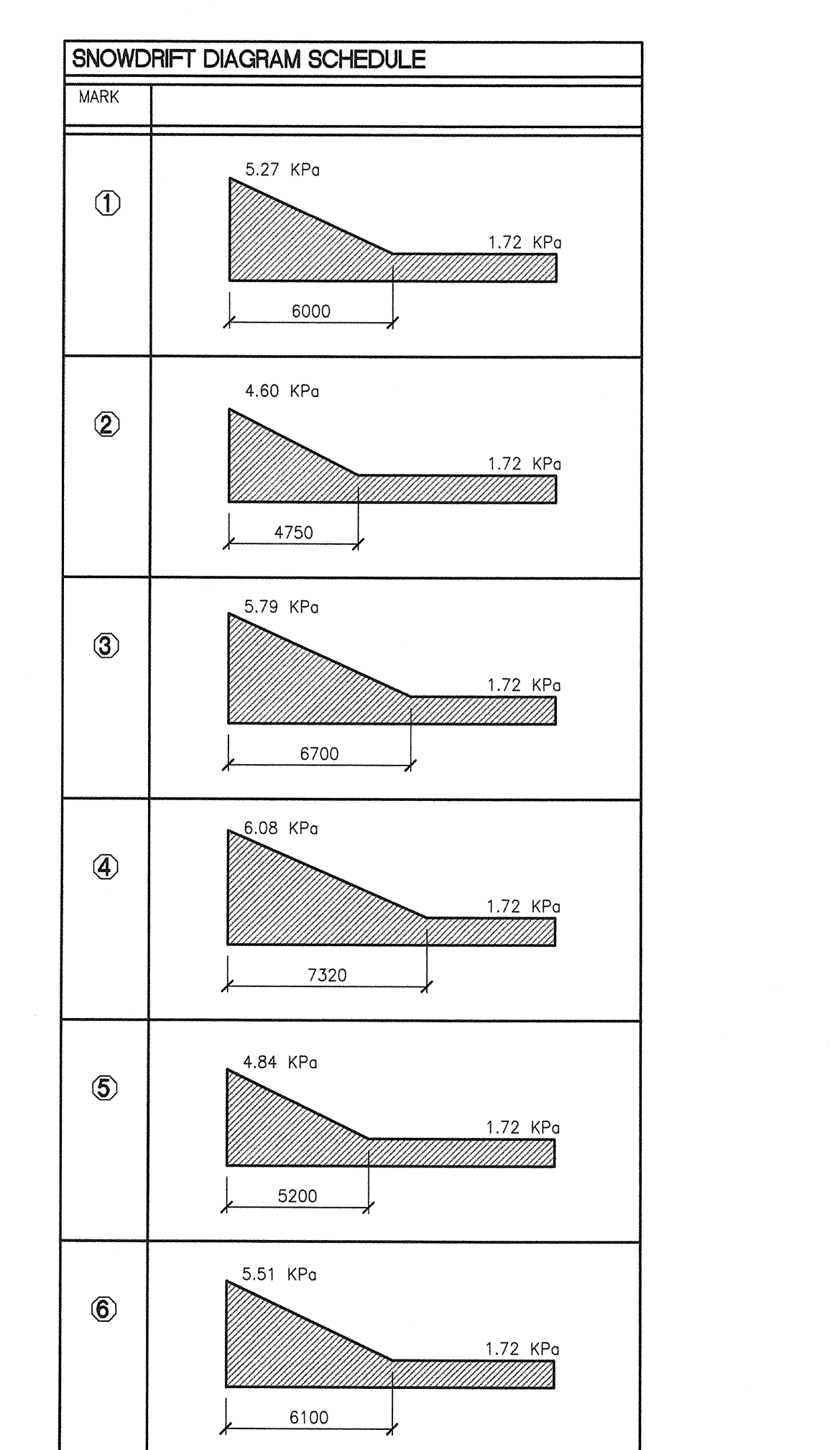
CONDENSING UNIT SCHEDULE

MARK	WEIGHTS
CU1	95 Kg. (210 LBS.)
CU2	98 Kg. (215 LBS.)
CU3	64 Kg. (140 LBS.)
CU4	45 Kg. (100 LBS.)
CU5	84 Kg. (185 LBS.)
CU6	40 Kg. (85 LBS.)
CU7	40 Kg. (85 LBS.)
CU8	45 Kg. (100 LBS.)
CU9	45 Kg. (100 LBS.)
CU10	64 Kg. (140 LBS.)
CU11	64 Kg. (140 LBS.)
CU12	650 Kg. (1400 LBS.)

NOTE:
 — SEE ARCH. FOR LINTEL SPANS AND ELEV.



TYPICAL STEEL STUD SECTION AT CROSS BRACING LOCATIONS
 S-4.0 SCALE: 1/0



TOWER PROJECT NO. : 6150

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NO.	REVISION/DESCRIPTION	BY	DATE
1	DESIGN DEVELOPMENT SUBMISSION		31/AUG/07
2	ISSUED FOR 40% REVIEW		26/OCT/07
3	ISSUED FOR 80% REVIEW		07/DEC/07
4	ISSUED FOR 100% REVIEW		11/JAN/08
5	ISSUED FOR TENDER		18/JAN/08

PROVINCE OF MANITOBA
G. SCHUBS REGISTERED ENGINEER
 No. 1918. Expiry: April 30, 2008

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

DRAWN BY: MB CHECKED BY: DJ APPROVED: [Signature]
 DATE: 2007/08/31 USER APPROVAL

CITY OF WINNIPEG
 PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT: BRONX PARK COMMUNITY CENTRE
 HOME OF GOOD NEIGHBOURS SENIOR CENTRE
 WINNIPEG, MB.
 SHEET TITLE: ROOF FRAMING PLAN

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	PP&D 2006-065	S-4.0

DRAWING SHEET SIZE: ARCH E1 (42" x 30") PLOT 1:1