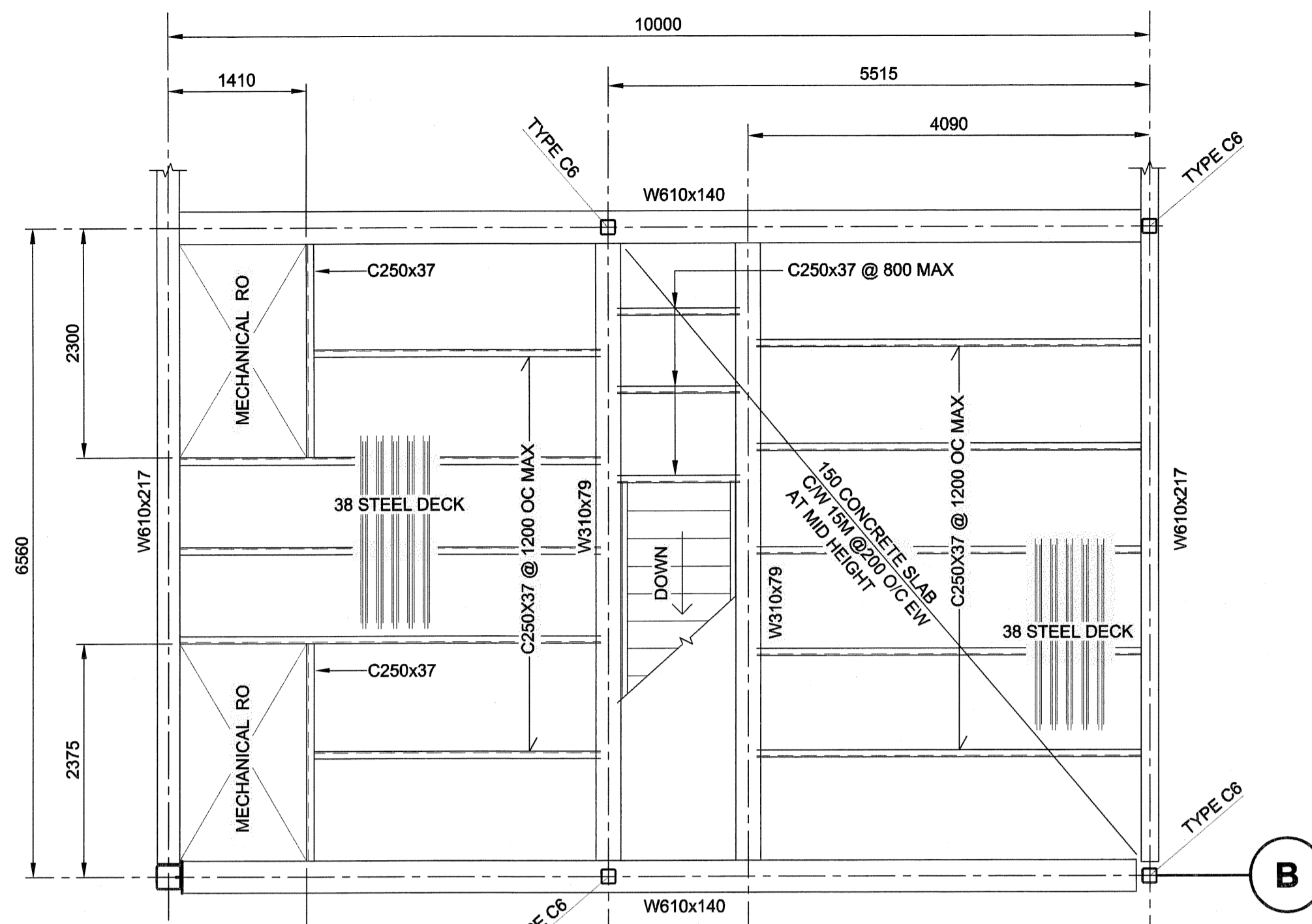


**PLAN**  
mm SCALE 1:50  
PENTHOUSE ROOF

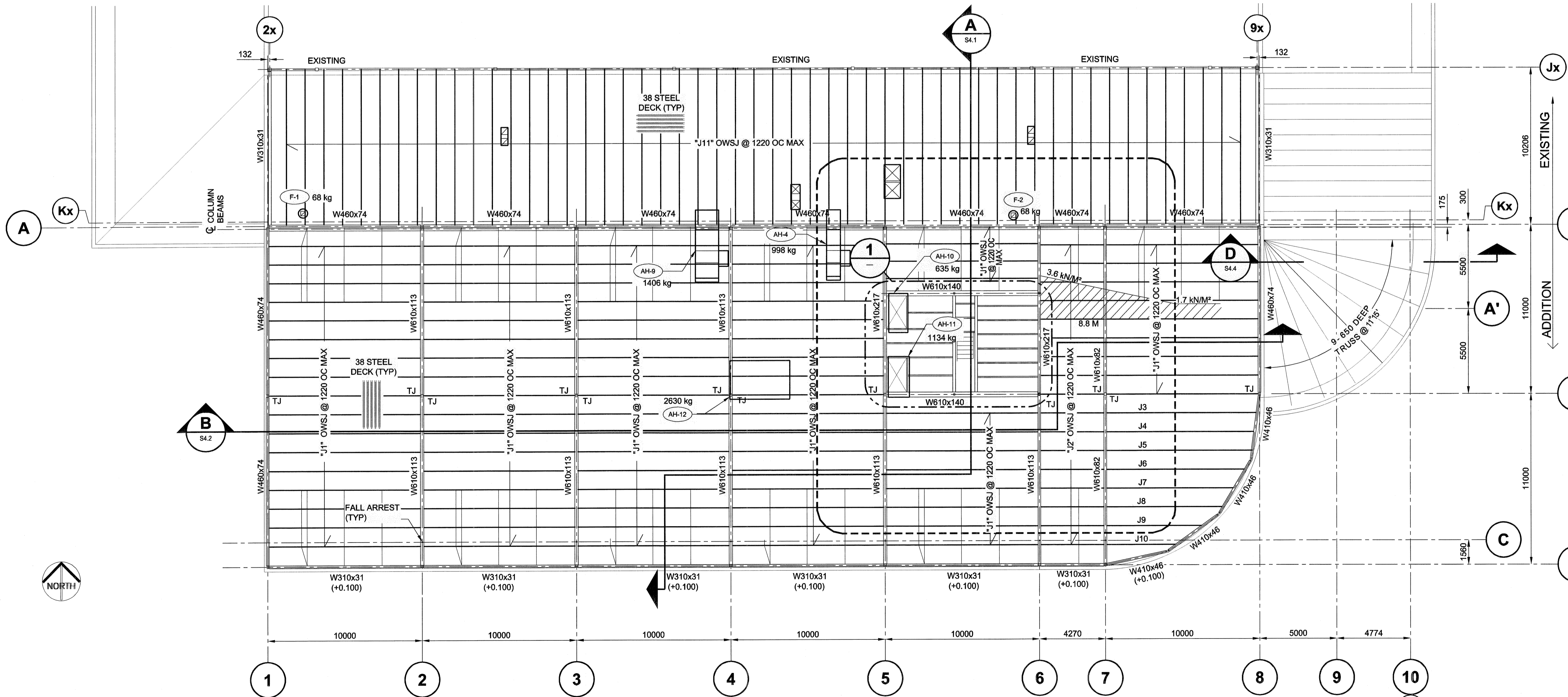


**DETAIL**  
mm SCALE 1:50

**DESIGN LOAD:**  
SNOW + RAIN = 1.7 kN/m<sup>2</sup> + SNOW BUILD-UP  
DEAD LOAD = 2.5 kN/m<sup>2</sup>  
TOTAL LOAD = 10.3 kN/m<sup>2</sup> + SNOW BUILD-UP

**DESIGN LOAD: PENTHOUSE FLOOR**  
LIVE LOAD = 3.6 kN/m<sup>2</sup>  
DEAD LOAD = 15.5 kN/m<sup>2</sup>  
TOTAL LOAD = 19.1 kN/m<sup>2</sup>

JOIST SCHEDULE				
MARK	DEPTH	MAXIMUM SPACING	BRIDGING TOP & BOTTOM	REMARKS
J1	650	1220	-	
J2	650	1220	-	
J3	650	1220	-	
J4	650	1220	-	
J5	650	1220	-	
J6	650	1220	-	
J7	650	1220	-	
J8	650	1220	-	
J9	650	1220	-	
J10	650	1220	-	
J11	650	1220	-	
J12	350	1220	-	



**ROOF FRAMING PLAN**

mm SCALE 1:150

NOTE:  
TOP OF STEEL BEAMS AT EL. 109.900 UNO.

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**APEGM**  
Certificate of Authorization  
UMA Engineering Ltd. (MB)  
No. 256 Date: July 23, 2007

*Dr. Paul Blum*  
DRN CHK DES ENG IDR  
UMA | AECOM REVIEW

0	ISSUED FOR TENDER	MP	07/07/23
NO.	REVISION/DESCRIPTION	BY	DATE

SEALS

*Blum*  
B.L. LAU  
REGISTERED PROFESSIONAL ENGINEER  
PROVINCE OF MANITOBA  
July 23, 2007

DRAWN BY: MP CHECKED BY: USER APPROVAL: APPROVED  
DATE: 2007.02.21

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

PROJECT  
Construction of Cindy Klassen  
Recreation Complex Facility  
Enhancement Project  
999 Sargent St. Winnipeg, Manitoba

SHEET TITLE  
Structural  
Roof Framing  
Plan and Layout

SCALE AS NOTED	PROJECT NO. 2005-059	SHEET NO. <b>S2.5</b>
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DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1