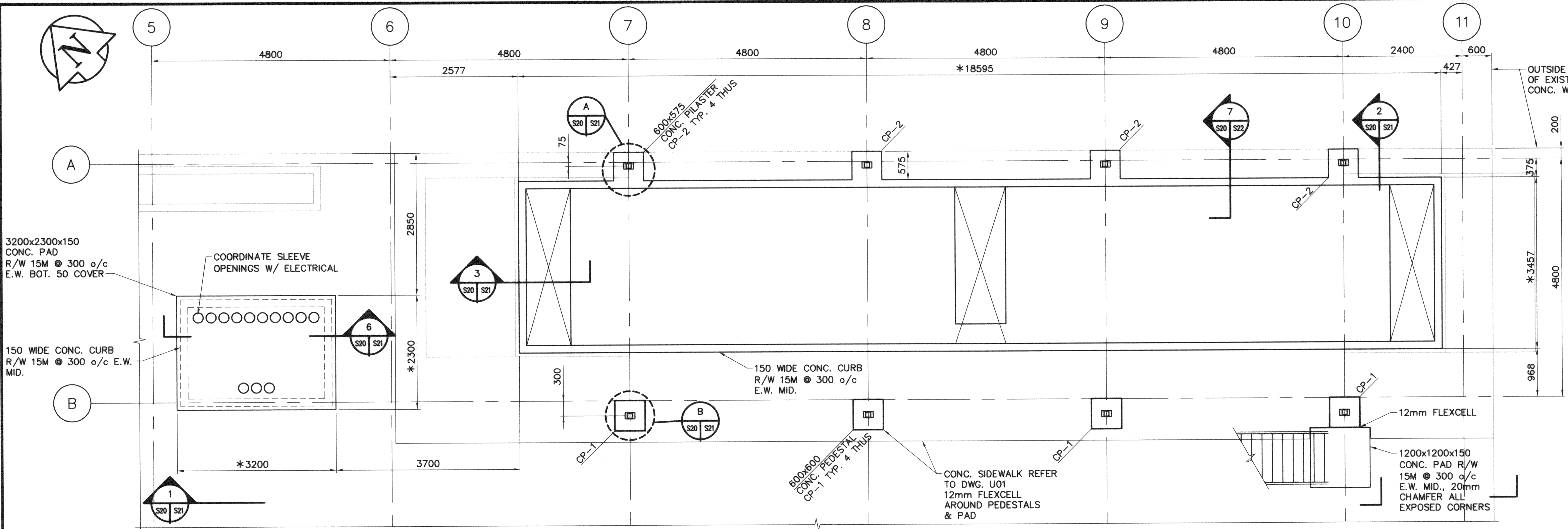


SHEET: 6367-11-1 (1/2500)



**PARTIAL PLAN ABOVE ELEVATION 236.460**

SCALE : 1:50

\* - COORDINATE CONCRETE CURB, PILASTER AND PEDESTAL LOCATIONS AND DIMENSIONS WITH ELECTRICAL AND MECHANICAL EQUIPMENT SUPPLIERS.

**GENERAL NOTES**

1. THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 1995, ITS SUPPLEMENTS AND THE LATEST EDITIONS OF REFERENCED CODES AND STANDARDS THEREIN.
2. ALL INFORMATION CONCERNING EXISTING CONSTRUCTION HAS BEEN TAKEN FROM ORIGINAL DRAWINGS AND SITE MEASUREMENTS. CONTRACTOR TO CONFIRM ON SITE ALL EXISTING DIMENSIONS, ELEVATIONS AND DETAILS PRIOR TO COMMENCING WORK. SHOULD INFORMATION DIFFER SIGNIFICANTLY FROM THAT SHOWN, CONTACT ENGINEER PRIOR TO PROCEEDING. ALL EXISTING CONSTRUCTION ALTERED OR DAMAGED DURING COURSE OF WORK TO BE MADE GOOD TO MATCH.

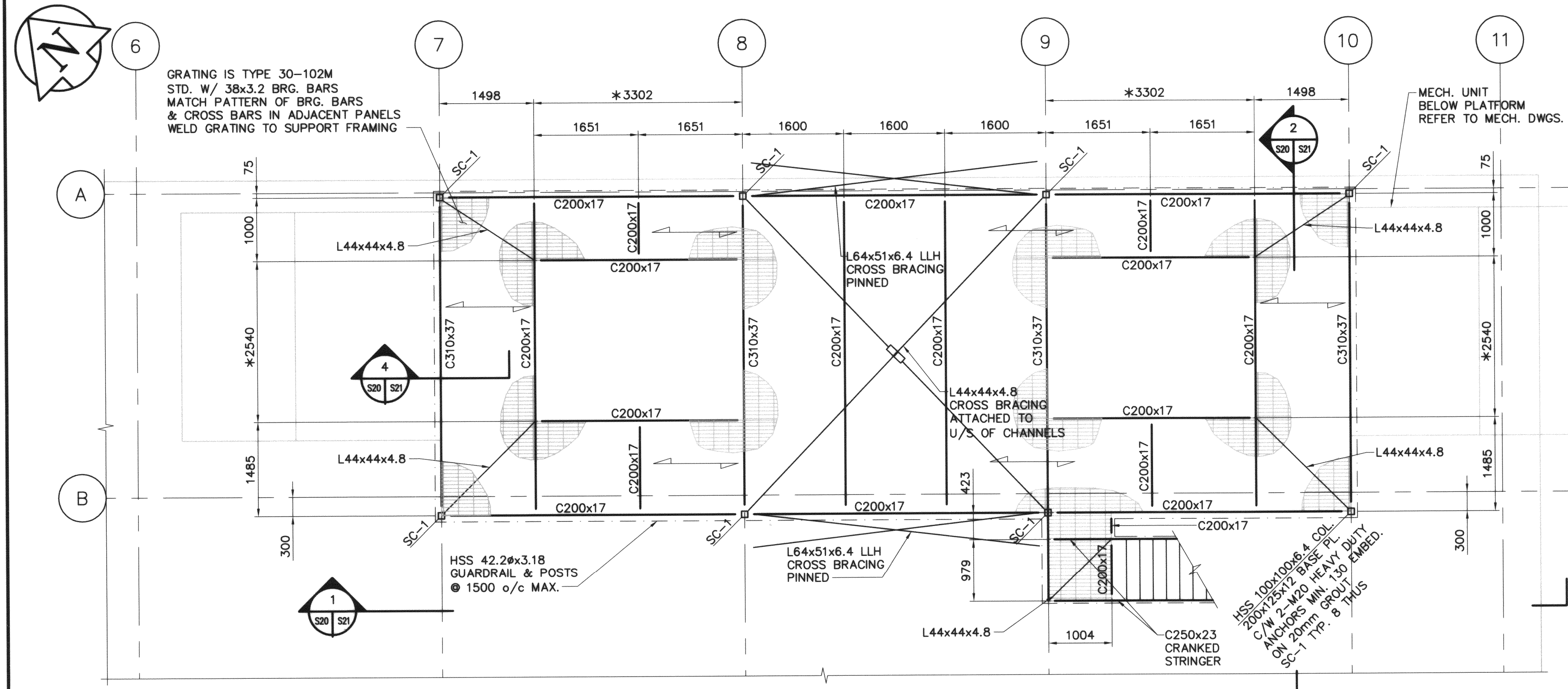
**CONCRETE NOTES**

1. PROVIDE CONCRETE AND PERFORM WORK TO CSA-A23.1. THE CONTRACTOR SHALL HAVE A COPY OF THIS STANDARD ON SITE AT ALL TIMES.
2. TEST CONCRETE IN ACCORDANCE WITH CSA-A23.2.
3. CONCRETE REQUIREMENTS:

LOCATION	28-DAY STRENGTH f <sub>c</sub> (MPa)	CEMENT TYPE	TOTAL AIR %
1) EXTERIOR	30	50	4-7
2) INTERIOR	30	10	N/A
4. DEFORMED REINFORCING BARS CONFORMING TO CSA-G30.18, MINIMUM GRADE 400. TIES AND STIRRUPS TO CSA-G30.18 MINIMUM GRADE 300.
5. FOR ALL HOLES TO BE CORED THROUGH EXISTING CONCRETE REFER TO ELECTRICAL. LOCATE EXISTING REINFORCING BARS IN CONCRETE PRIOR TO DRILLING. LOCATE CORES TO AVOID EXISTING REINFORCING. REVIEW CORING LOCATIONS WITH THE CONTRACT ADMINISTRATOR PRIOR TO CORING.

**STRUCTURAL STEEL NOTES**

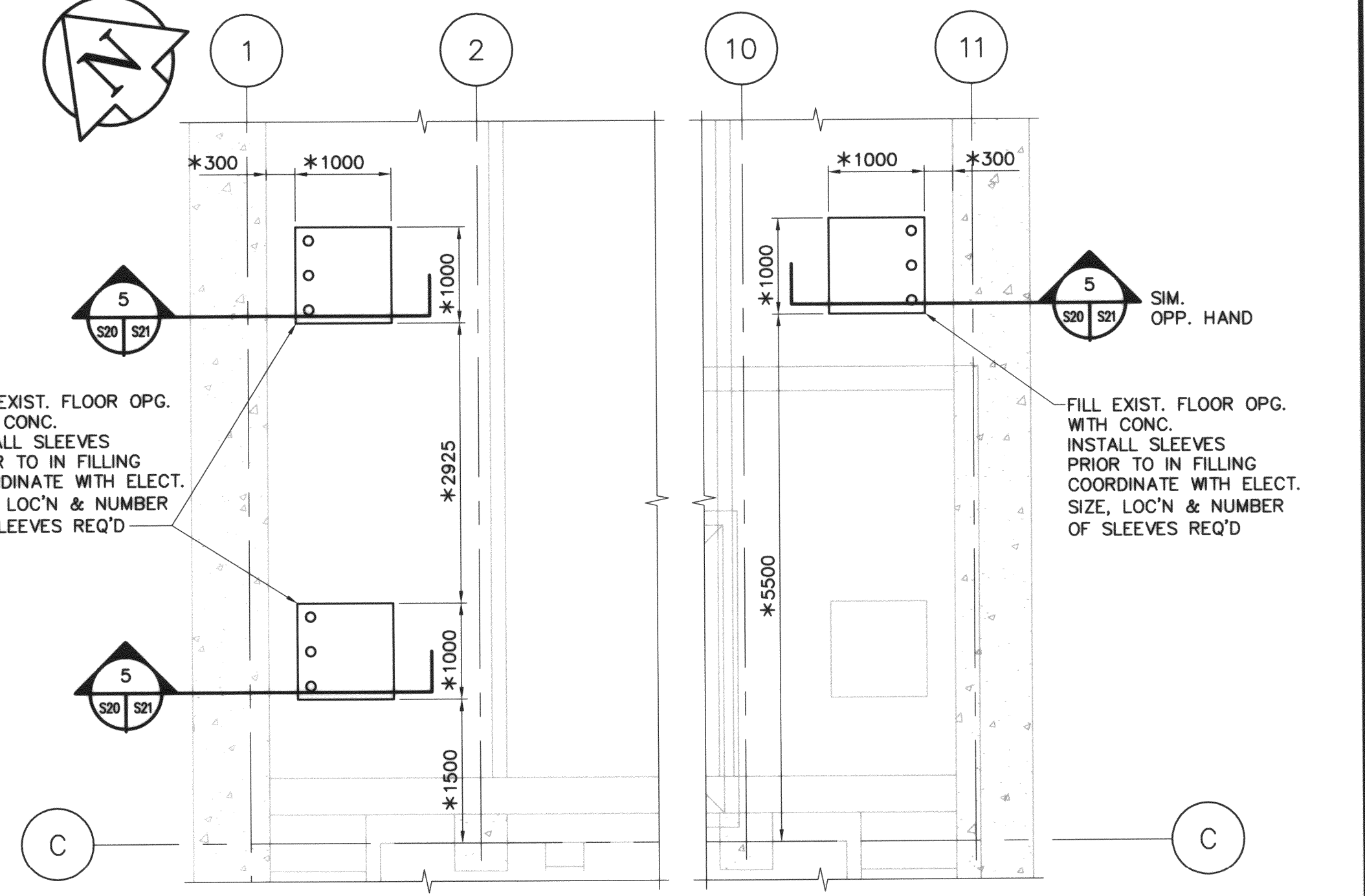
1. FABRICATE AND ERECT STRUCTURAL STEEL TO CSA-S16.1.
2. PROVIDE STRUCTURAL STEEL SHAPES, CHANNELS, ANGLES AND PLATES TO CSA-G40.21, MINIMUM GRADE 300W. HOLLOW STRUCTURAL SECTIONS (COLUMNS AND GUARDRAIL) TO CSA-G40.21, MINIMUM GRADE 350W.
3. WELD TO CSA-W59 BY FABRICATORS CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA-W47.1, IN DIVISION 1 OR DIVISION 2.1.
4. PROVIDE ERECTION BOLTS TO ASTM A325M, MINIMUM M20. DESIGN BOLTED CONNECTIONS TO ASTM A325 FOR THREADS EXCLUDED FROM SHEAR PLANE. TIGHTEN BOLTS BY THE "TURN OF NUT" METHOD TO BOLT TENSIONS SPECIFIED IN CSA-S16.1.



**PLATFORM FRAMING PLAN**

SCALE : 1:50

DESIGN LIVE LOAD IS 2.4kPa.  
ALL MATERIAL IS TO BE GALVANIZED UNLESS NOTED OTHERWISE.  
TOP OF STEEL ELEVATION IS 240.256 UNLESS NOTED OTHERWISE.  
\* - CONFIRM DIMENSIONS WITH MECHANICAL EQUIPMENT SUPPLIER.  
FULL MOMENT CONNECTION IS TO BE PROVIDED FOR THE FOUR (4) FRAMES ON GRID LINES 7, 8, 9 AND 10.

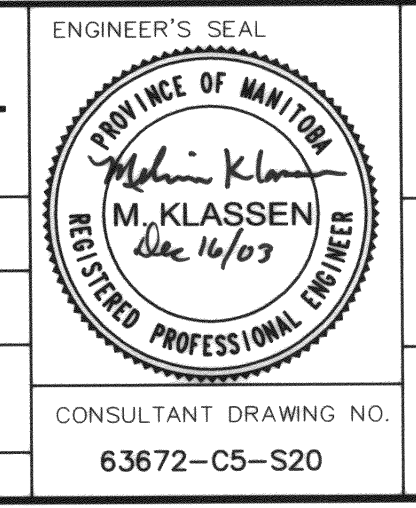


**PARTIAL PLAN ABOVE ELEVATION 230.800**

SCALE : 1:50

\* - CONTRACTOR TO CONFIRM ON SITE ALL EXISTING DIMENSIONS.

B.M. ELEV.	DESIGNED BY: MK	CHECKED BY: [Signature]
	DRAWN BY: C.T.	APPROVED BY: [Signature]
	HOR. SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION BY:
	VERTICAL SCALE:	
0 ISSUED FOR TENDER 03/12/12 C.T.	DATE: 2003/11/13	DATE:
NO. REVISIONS	DATE	BY



**THE CITY OF WINNIPEG**  
Winnipeg WATER AND WASTE DEPARTMENT

**DEACON ULTRAVIOLET (UV) LIGHT DISINFECTION PROJECT**

STRUCTURAL - HVAC UPGRADE PARTIAL PLANS

CITY FILE NUMBER: SHEET 8 OF 10  
CITY DRAWING NUMBER: D-8395

CONSULTANT DRAWING NO. 63672-C5-S20