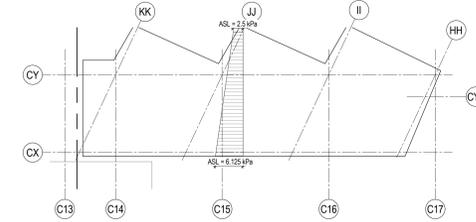


**CORRIDOR ROOF ACCUMULATED SNOW LOAD PLAN**  
1:100

**SUPERIMPOSED DEAD LOADS**  
 ROOFING 0.25 kPa  
 38 mm DECK 0.15 kPa  
 CEILING 0.20 kPa  
 M&E 0.50 kPa  
**TOTAL SDL 1.10 kPa**

**SUPERIMPOSED LIVE LOADS**  
 SNOW 1.4 kPa + ASL  
 LIVE 1.0 kPa  
 RAIN 0.50 kPa

LIVE LOAD, SNOW LOAD, RAIN LOAD NEED NOT BE CONSIDERED SIMULTANEOUSLY

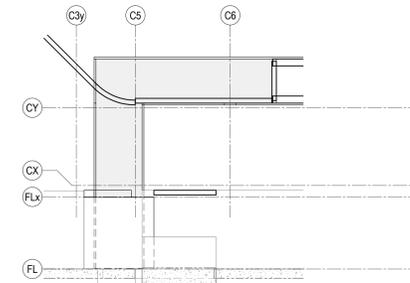


**PATIENT TRANSFER ROOF ACCUMULATED SNOW LOAD PLAN**  
1:100

**SUPERIMPOSED DEAD LOADS**  
 ROOFING 0.25 kPa  
 38 mm DECK 0.15 kPa  
 CEILING 0.20 kPa  
 M&E 0.50 kPa  
**TOTAL SDL 1.10 kPa**

**SUPERIMPOSED LIVE LOADS**  
 SNOW 1.4 kPa + ASL  
 LIVE 1.0 kPa  
 RAIN 0.50 kPa

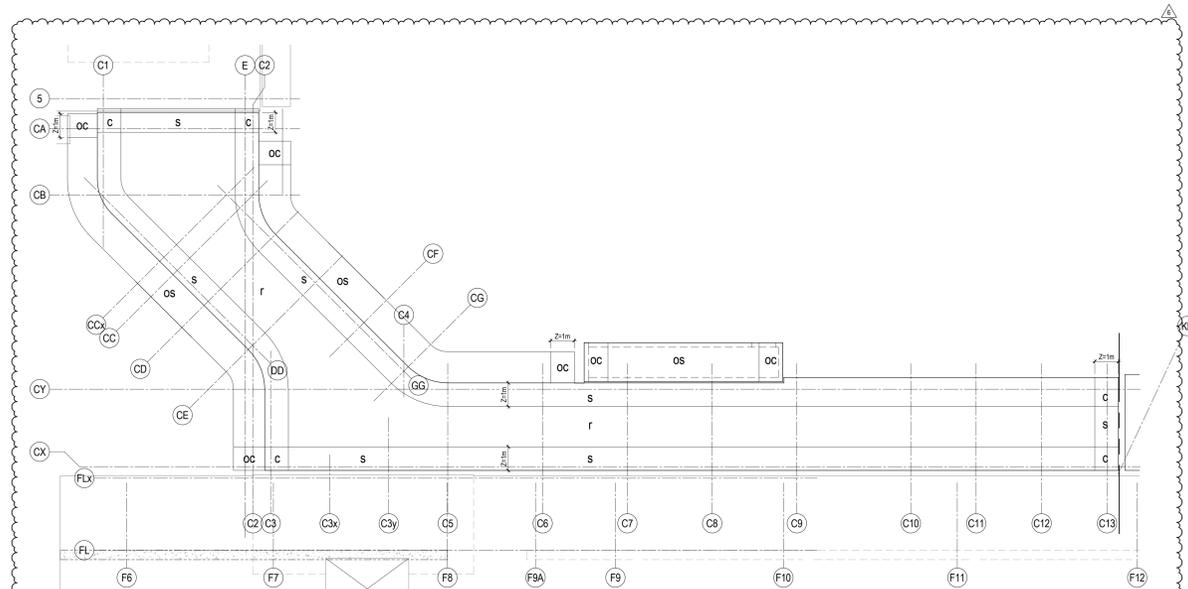
LIVE LOAD, SNOW LOAD, RAIN LOAD NEED NOT BE CONSIDERED SIMULTANEOUSLY



**TUNNEL ROOF LOADING PLAN**  
1:100

**SUPERIMPOSED DEAD LOADS**  
 SLAB ON GRADE 3.8 kPa  
 BACKFILL (1000mm) 18.0 kPa  
**TOTAL SDL 21.8 kPa**

**SUPERIMPOSED LIVE LOADS**  
 LIVE 12.0 kPa

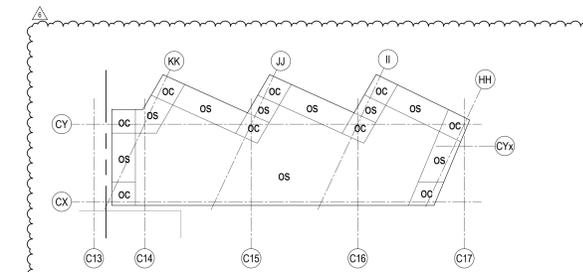


**CORRIDOR ROOF WIND UPLIFT LOAD PLAN**  
1:100

WIND UPLIFT LEGEND	
c	3.37 kPa
s	1.53 kPa
r	1.58 kPa
os	1.58 kPa
oc	2.67 kPa

**WIND LOAD PLAN NOTES:**

1. The following loads have been multiplied by an ILS importance factor  $I_w = 1.25$  but do not include a load factor. Areas "c", "s", "r", "os" and "oc" are as defined in the table in the Guide to the Ontario Building Code 2012, Figure 4.1.7.6.C. The dead load of the roof deck construction may be deducted from these uplifts, after applying relevant load factors for wind load, and dead load resulting uplift.



**PATIENT TRANSFER ROOF WIND UPLIFT LOAD PLAN**  
1:100

WIND UPLIFT LEGEND	
oc	2.67 kPa

**PROJECT STATUS:**

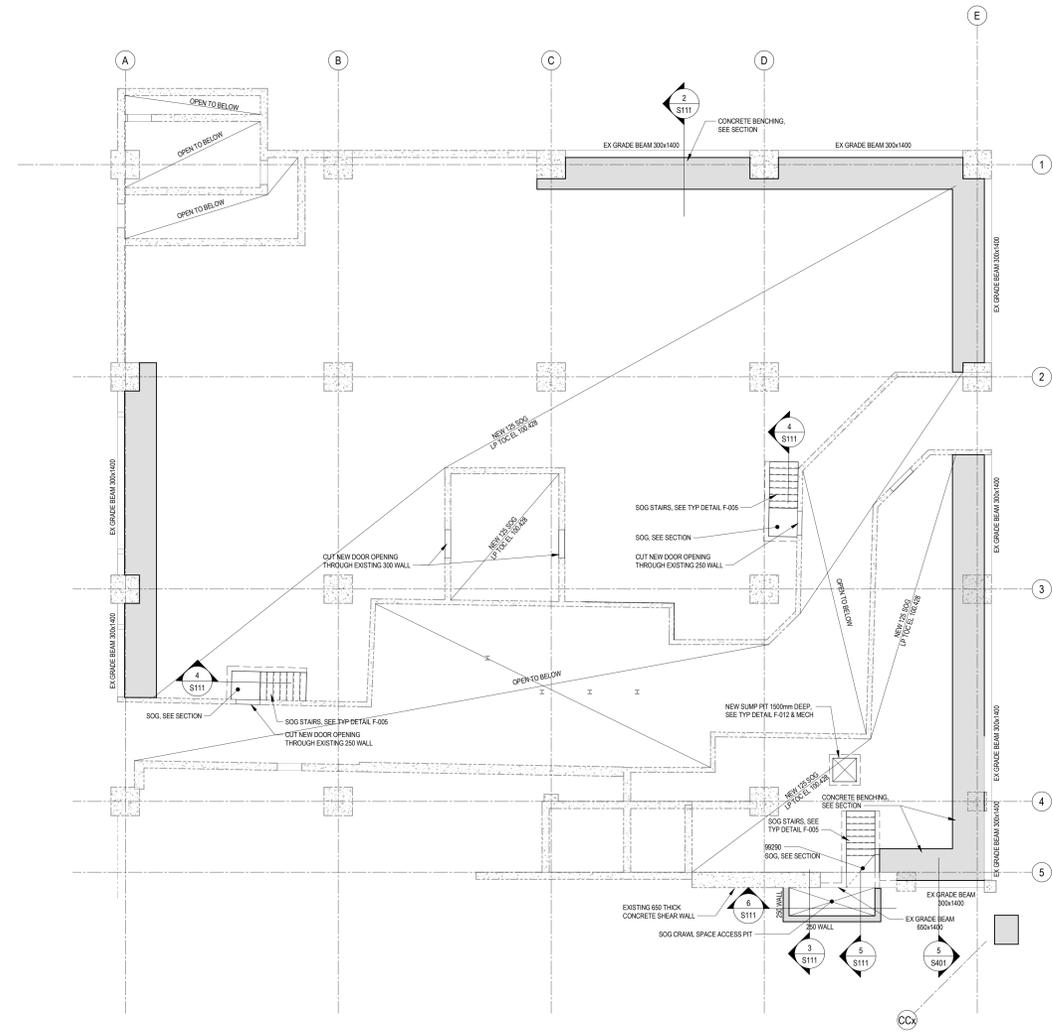
NO	DESCRIPTION	DATE
1	ISSUED FOR 50% CD / PERMIT	2024.08.02
2	ISSUED FOR 90% CD	2024.09.06
3	ISSUED FOR 100% CD	2024.09.27
4	ISSUED FOR TENDER	2024.10.11
5	ISSUED FOR ADDENDUM 1	2024.10.25
6	ISSUED FOR ADDENDUM 4	2024.11.12

**PROJECT:**  
 UHN TWH - Seniors Emergency Medicine Centre  
 399 Bathurst Street, Toronto ON M5T 2S8  
 UHN PROJECT NO.: SAP #110022016

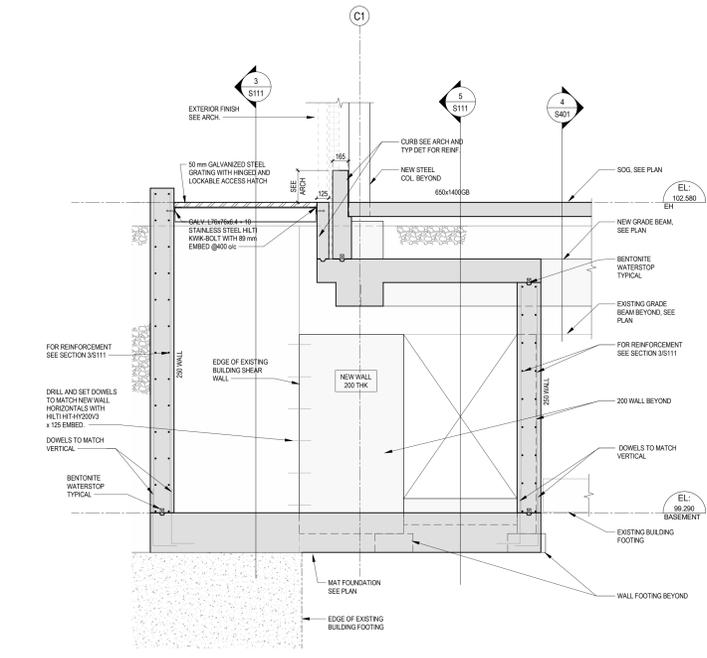
**TITLE:**  
 LOADING PLANS

**PROJECT NO:** MRK-23004289  
**DRAWING NO:** S010  
**CHECKED:** KDS

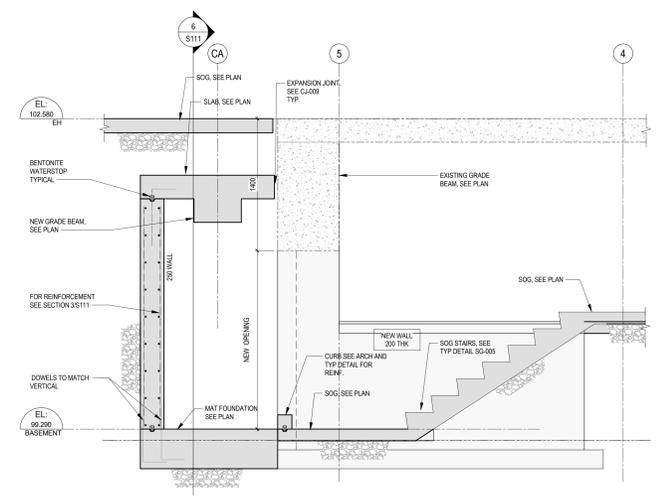




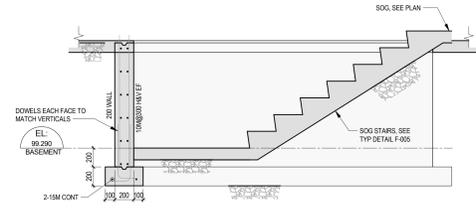
**NEW CRAWL SPACE - PART PLAN**  
 1:100  
 NOTES:  
 1. NEW CRAWL SPACE LOW POINT TOP OF SLAB ELEVATION AS NOTED ON PLAN. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR DRAIN SLOPING.  
 2. CONCRETE PROPERTIES: SEE SCHEDULE OF CONCRETE PROPERTIES ON SOG2.  
 3. SEE GENERAL NOTES AND TYPICAL DETAILS ON SOG1 - SOG03.



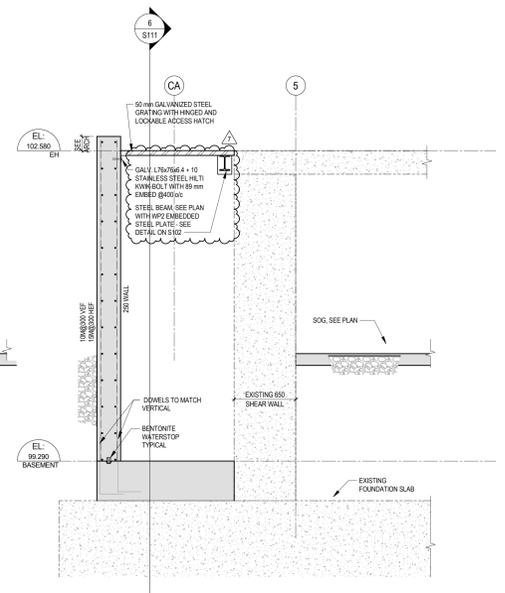
**6 SECTION**  
 1:25



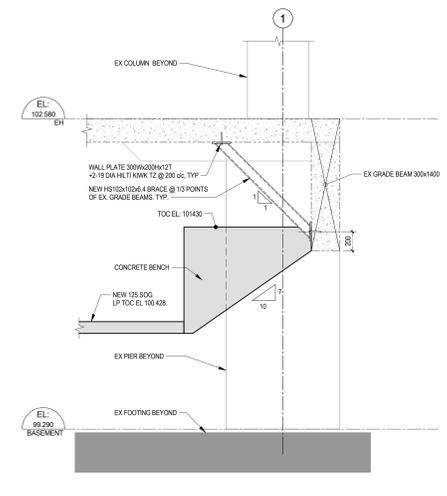
**5 SECTION**  
 1:25



**4 SECTION**  
 1:25



**3 SECTION**  
 1:25



**2 SECTION**  
 1:25



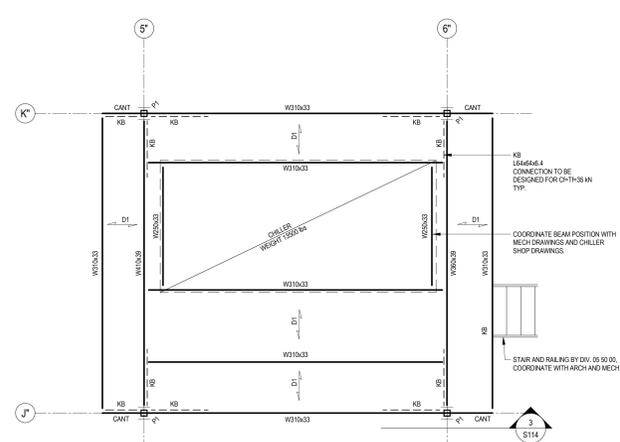
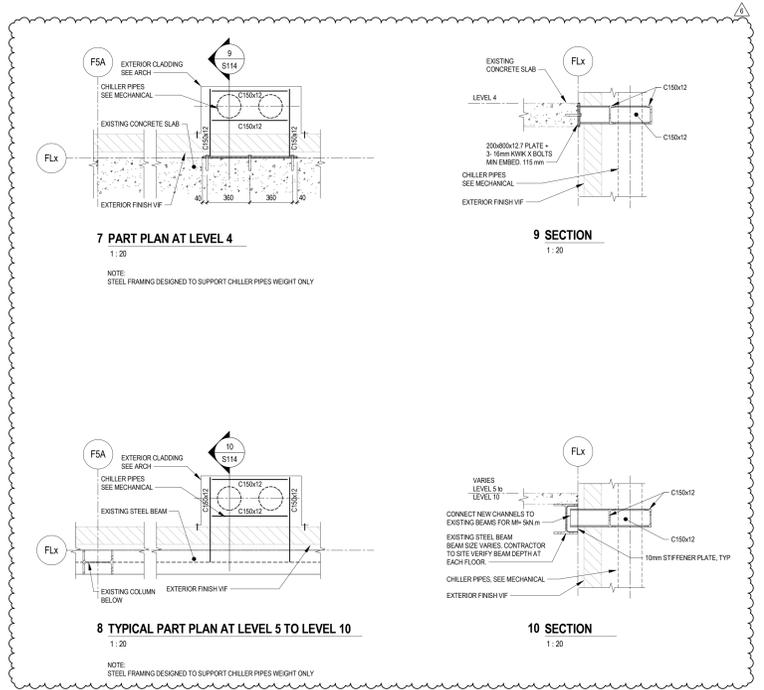
PROJECT STATUS:

NO	DESCRIPTION	DATE
1	ISSUED FOR 50% CD / PERMIT	2024.08.02
2	ISSUED FOR 90% CD	2024.09.06
3	ISSUED FOR 100% CD	2024.09.27
4	ISSUED FOR TENDER	2024.10.11
5	ISSUED FOR ADDENDUM 1	2024.10.25
6	ISSUED FOR ADDENDUM 2	2024.11.01
7	ISSUED FOR ADDENDUM 4	2024.11.12

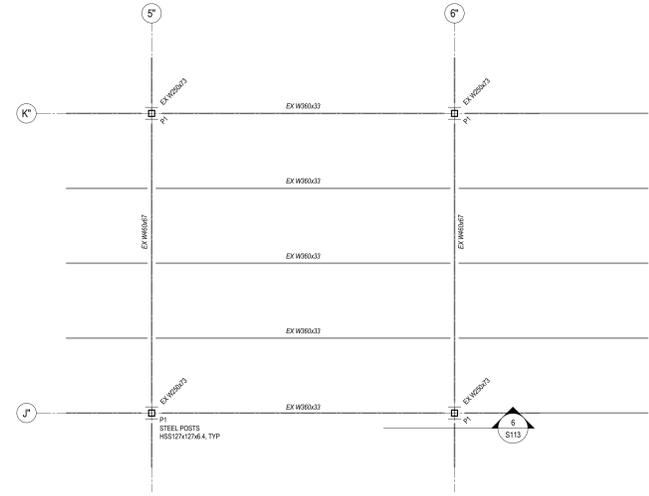
PROJECT:  
 UHN TWH - Seniors Emergency Medicine Centre  
 399 Bathurst Street, Toronto ON M5T 2S8  
 UHN PROJECT NO.: SAP #110022016

TITLE:  
**NEW CRAWL SPACE - PART PLAN**

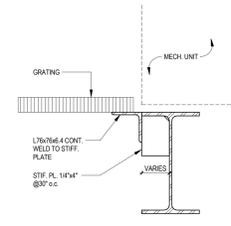
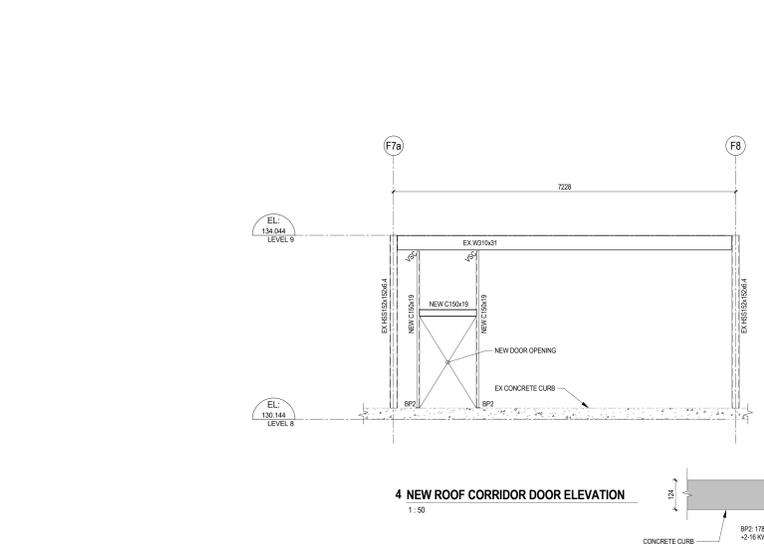
PROJECT NO.: MRX-23004289  
 DRAWING NO.: **S111**  
 CHECKED: KDS



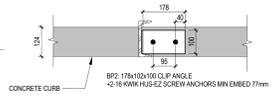
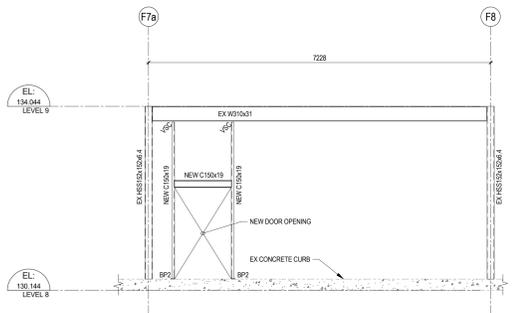
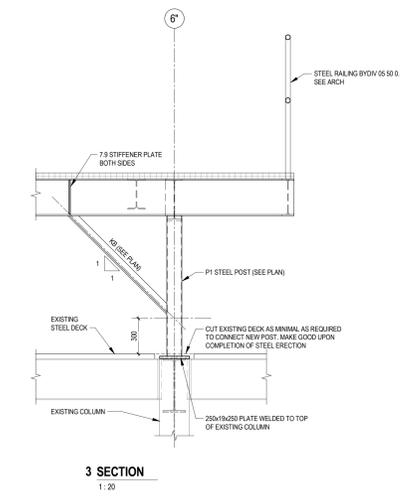
- NOTES**
1. ALL STEEL TO BE GALVANIZED.
  2. COORDINATE BEAM POSITION WITH MECH. DRAWINGS AND CHILLER SHOP DRAWINGS PRIOR TO FABRICATION.
  3. TOP OF NEW GRILLAGE IS -5' OF ABOVE EXISTING ROOF. SITE VERIFY ALL EXISTING ELEVATIONS PRIOR TO FABRICATION OF STEEL.
  4. ORNLAGE DESIGN IS BASED ON A LIVE LOAD OF 4.8 WPA AND CHILLER HEIGHT AS SHOWN.
  5. D1 DENOTES GALVANIZED WELDED STEEL GRATING WITH BANNED END. SELECT GRATING FOR 4.8 WPA AND MAX DEFLECTION OF 8 mm TYPE 987 BY BORDEN PRODUCTION LTD. OR EQUIVALENT. PROVIDE THROUGHOUT, EXCEPT UNDER EQUIPMENT.
  6. SEE GENERAL NOTES AND TYPICAL DETAILS ON S0-01 SERIES DRAWINGS.



- NOTES**
1. TOP OF STEEL DECK IS 0 mm BELOW ROUGH PENTHOUSE ROOF.
  2. TOP OF STEEL BEAMS IS -38 mm BELOW ROUGH PENTHOUSE ROOF EXCEPT AS NOTED.
  3. ORIGINAL NOTED DESIGN LIVE LOAD = 4.8 kPa
  4. POSITION NEW STEEL POST DIRECTLY OVER CENTER OF EXISTING STEEL COLUMNS. BELOW CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH LOCATING EXISTING COLUMNS, INCLUDING BUT NOT LIMITED TO, TEMPORARY OPENINGS THROUGH EXISTING ROOFING MATERIALS, DRILING INVESTIGATIVE HOLES, VERIFICATION OF EXISTING CONDITIONS FROM BELOW AND PROFESSIONAL SURVEY SERVICES, AS DEEMED NECESSARY.
  5. SEE GENERAL NOTES AND TYPICAL DETAILS ON S0-01 SERIES DRAWINGS.



WHERE MECH. EQUIPMENT BASE COVERS FLANGE OF BEAM AND DOES NOT LEAVE ADEQUATE BEARING EDGE FOR SUPPORT OF GRATING



REGISTERED PROFESSIONAL ENGINEER  
 2024.11.12  
 L.P. BOWEN  
 100190877  


PROJECT STATUS:

NO	DESCRIPTION	DATE
1	ISSUED FOR 50% CD	2024.04.20
2	ISSUED FOR 100% CD	2024.06.21
3	ISSUED FOR 100% CD	2024.09.27
4	ISSUED FOR TENDER	2024.10.11
5	ISSUED FOR ADDENDUM 1	2024.10.25
6	ISSUED FOR ADDENDUM 4	2024.11.12

PROJECT:  
 UHN TWH - Seniors Emergency Medicine Centre  
 399 Bathurst Street, Toronto ON M5T 2S8  
 UHN PROJECT NO.: SAP #110022016

TITLE:  
**LEVEL 8 ROOF FRAMING PLAN AND SECTIONS**

PROJECT NO: MRK-23004289  
 DRAWING NO: **S114**  
 CHECKED: KDS

