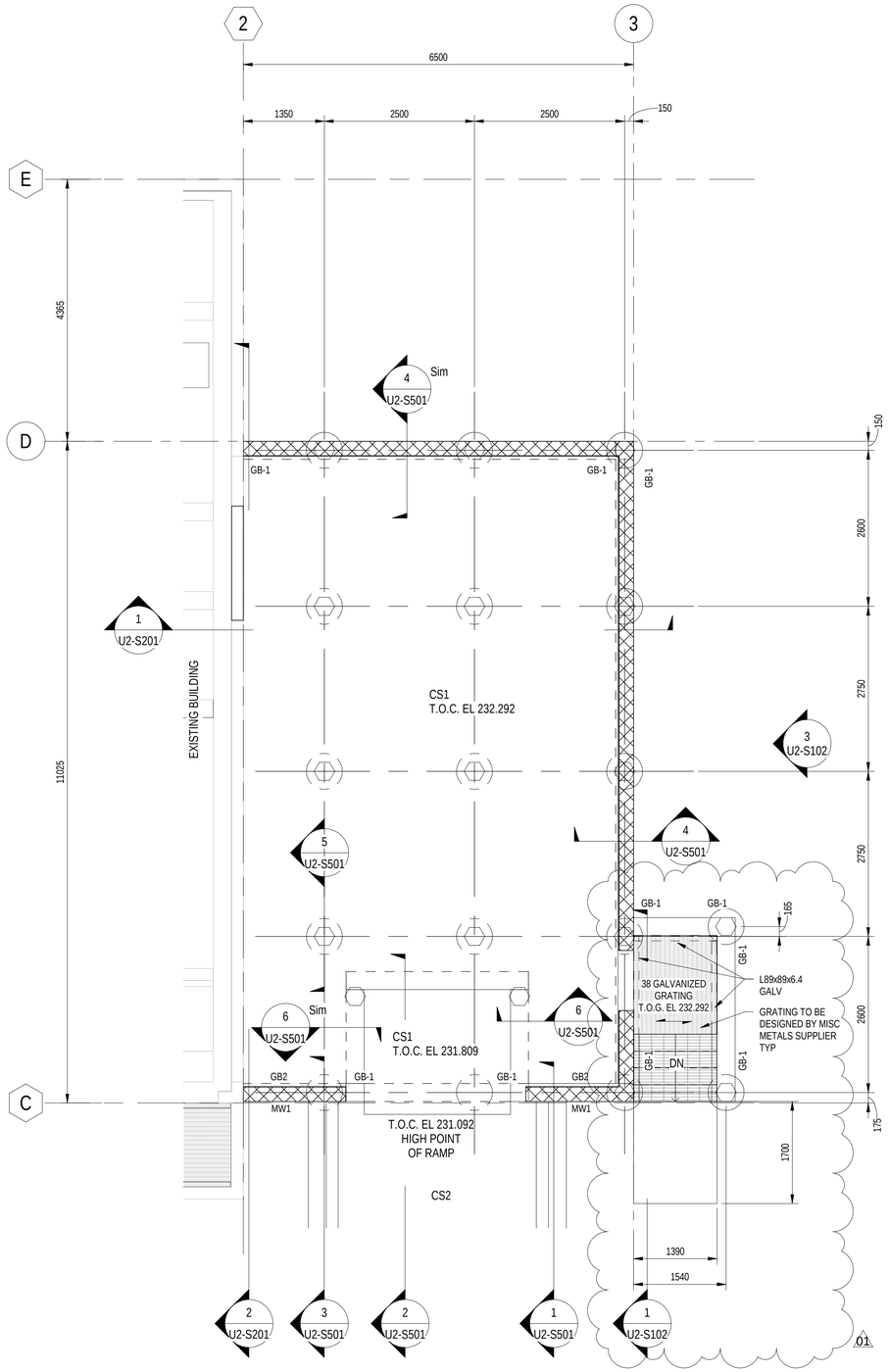
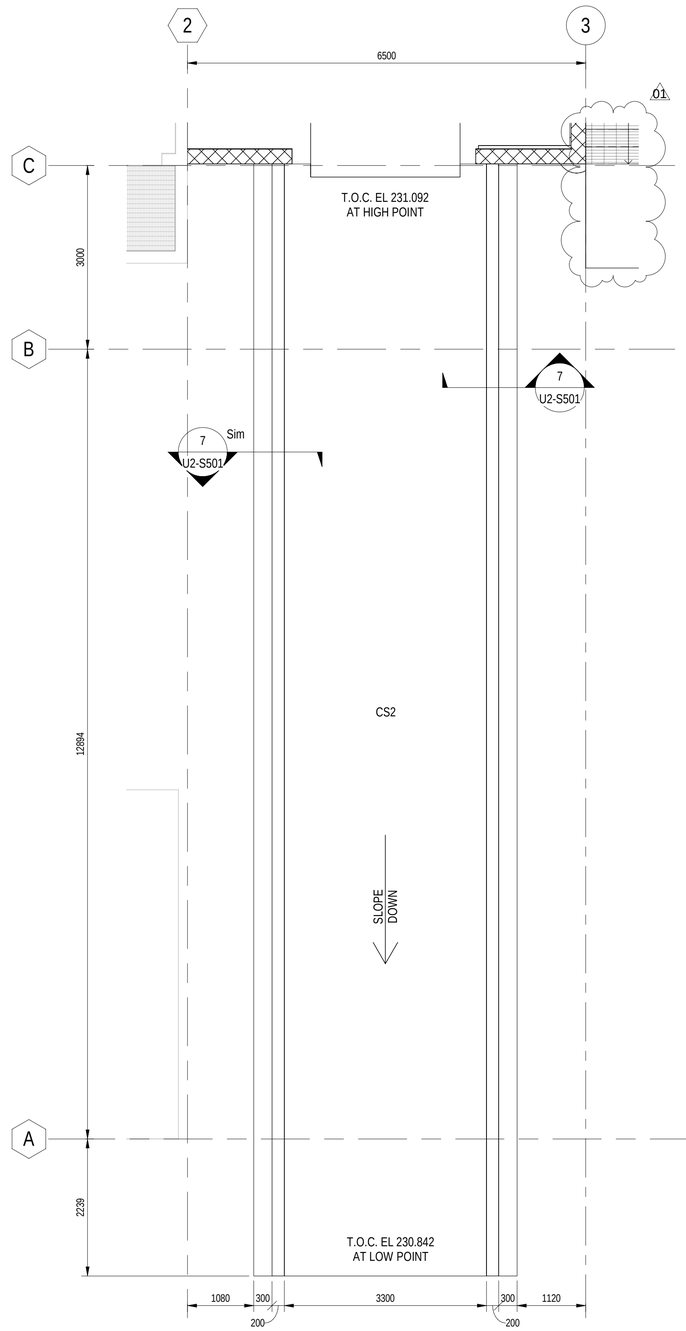


PLAN AT EL. 232.292m

SCALE: 1 : 50

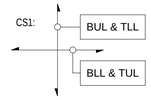


PLAN AT EL 232.292m

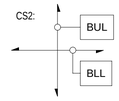
SCALE: 1 : 50

NOTES:

1. REFER TO ELECTRICAL, MECHANICAL AND PROCESS DRAWINGS FOR SIZE AND LOCATIONS OF PENETRATIONS THROUGH THE FLOOR. SLEEVE ALL PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF INTERIOR WALLS.
3. DESIGN LOADS:
   DEAD LOADS: STRUCTURE SELF WEIGHT
   LIVE LOADS: L = 4.8 kPa
4. SLAB REINFORCING SCHEDULE
   CS1: 300 SLAB r/w
   15M AT 300oc EW T & B



   CS2: 200 SLAB r/w
   15M AT 200oc EW MID



5. ALL SLAB REINFORCING TO BE CONTINUOUS, PROVIDE CLASS B TENSION SPLICES WHERE REQUIRED FOR LENGTH.
6. PROVIDE STANDARD HOOKS FOR ALL TOP REINFORCING AT DISCONTINUOUS EDGES.

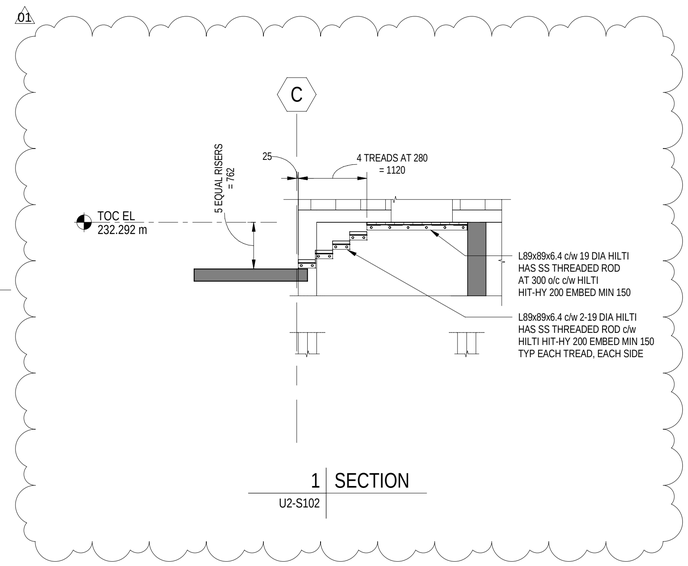
GRADE BEAM SCHEDULE:

GB-1: 300x1200DP GRADE BEAM R/W 3-25M CONT T&B C/W 15M HEF AND 10M CLOSED STIRRUPS AT 300 o/c

GB-2: 300x1400DP GRADE BEAM R/W 3-25M CONT T&B C/W 15M HEF 10M CLOSED STIRRUPS AT 300 o/c

MASONRY WALL REINFORCING:

A. COREFILL AND REINFORCE EXTERIOR 240mm WALLS WITH 1-15M VERT FULL HEIGHT AT MAX 800 o/c.
B. PROVIDE A 600 DP CONT BOND BEAM AND REINF WITH 1-20M TOP AND BOTTOM CONT AT ROOF DECK ELEVATION. SEE DETAILS ON DRAWING U2-S-103.
C. PROVIDE A 200 DP BOND BEAM REINF WITH 1-20M CONT AT TOP OF PARAPET.
D. INSTALL HORIZ JOINT REINFORCING AT 400 o/c. LAP REINF A MIN OF 2 CROSS WIRE LOCATIONS.
E. PROVIDE REINFORCED LINTELS WITH ABOVE ALL OPENINGS, REFER TO DRAWING U2-S502.



1 SECTION
U2-S102

TENDER NO. 30-2025

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada ULC
No. 4671

NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADDENDUM 7	2025-04-24	CT	MB
00	ISSUED FOR TENDER	2025-02-26	CT	MB

AECOM

DESIGNED BY: MB	CHECKED BY: CK
DRAWN BY: MK	APPROVED BY: NW
SCALE: As indicated	RELEASED FOR CONSTRUCTION BY:
DATE: 2023-07-24	DATE:
CONSULTANT NO.: U2-S102	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
MB
BROTHERSTON
Member
25515
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT
NEWPCC UV UPGRADES
STRUCTURAL
NEW UV STORAGE ROOM
MAIN FLOOR PLAN

CITY DRAWING NUMBER	SHEET	REV.	SIZE
		01	A1

A1 SIZE - 594mm x 841mm

LAST SAVE: 2025-04-28 7:09:31 AM
PATH: Autodesk Docs://City of Winnipeg - NEWPCC Upgrades-2023/SWOD-U101.rvt