SUB-LEVEL 1 FLOOR FRAMING PLAN - NEW

SCALE: 1:20

SUB-LEVEL 2 FLOOR FRAMING PLAN - NEW

SCALE: 1:20

LEGEND:

(E) DENOTES EXISTING CONSTRUCTION.

DESIGN LOADS:

DESIGN LOAD: STRUCTURE SELF-WEIGHT.
LIVE LOAD: 4.8 KPa.

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DESIGN LOAD: STRUCTURE SELF-WEIGHT.
LIVE LOAD: 4.8 KPa.

LEGEND:

+ DENOTES EXISTING EYEBOLT/LIFTING LUG ANCHORS MOUNTED ON CEILING ABOVE.

(E) DENOTES EXISTING OBJECTS WHICH ARE TO REMAIN.

DRAWING NOTES:

1. REFER TO REF.2 DRAWING FOR BEAM TO BEAM AND BEAM TO CONCRETE CONNECTION DETAILS.
2. COORDINATE THE NUMBER AND EXACT LOCATION OF ALL NEW FLOOR OPENINGS WITH MECHANICAL DISCIPLINE.
3. DUE TO SPACE CONSTRAINTS, BEAMS DELIVERY TO SUB-LEVELS CAN ONLY BE DONE WHEN SUPERSTRUCTURE IS DEMOLISHED. CONTRACTOR TO COORDINATE ACCORDINGLY.
4. PROVIDE CRANE STOPS AT EACH END OF CRANE BEAM. CRANE STOPS SHALL BE INSET BY 100 FROM BEAM END. CRANE STOPS SHALL BE 2-L51xL51x6.4 ANGLES ORIENTED HORIZONTALLY AND WELDED TO CRANE BEAM WEB.
5. SUPPLY AND INSTALL SHB010 HAND CHAIN HOIST BY KITO (1 TONNE CAPACITY) FOR SUB-LEVEL 3 CRANE BEAM. SUPPLY & INSTALL OZ1PBT PUSH BEAM TROLLEY FOR SUB-LEVEL 2 CRANE BEAM.
6. REFER TO DRAWING REF.2 FOR TYPICAL LADDER DETAILS.

STEEL BEAM SCHEDULE

ID	DESCRIPTION	REMARKS
SB-1	W150x14	SEE NOTES 4 & 5
SB-2	C150x12	SEE NOTES 1, 3
SB-3	W200x19	SEE NOTES 1, 3

* ALL BEAMS SHALL BE HOT-DIP GALVANIZED

* STEEL BEAMS CAN BE SEGMENTED TO FACILITATE THEIR INSTALLATION IF DESIRED BY THE CONTRACTOR. STRUCTURTAL STEEL SHOP DRAWINGS SHALL INDICATE BEAM SPLICE CAPACITY AND DETAILING.

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5	1-0162L-S0004-001	DETAILS - NEW
4	1-0162L-S0004-005	SECTIOS & DETAILS
3	1-0162L-S0004-003	DETAILS - NEW
2	1-0162L-S0004-002	DETAILS - NEW
1	1-0162L-S0003-001	SECTION - NEW

REFERENCE DRAWINGS

400 0 400 800 1200 1600
SCALE: 1:20

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

NO.	REVISIONS	DATE (YYYY/MM/DD)	BY
0	ISSUED FOR CONSTRUCTION	2023 03 23	CMS

KGS GROUP

DESIGNED BY S. SUCHKOV
CHECKED BY CMS
DRAWN BY F. VALENCIA
APPROVED BY CMS
SCALE: HORIZONTAL AS SHOWN
VERTICAL
RELEASED FOR CONSTRUCTION
DATE 2023 03 23
DATE
PLOT DATE: 2023 03 23

ENGINEER'S SEAL
PROVINCE OF MANITOBA
S. SUCHKOV
Member 34686
REGISTERED PROFESSIONAL ENGINEER
2023-03-23

CONSULTANT DRAWING NUMBER
22-0107-004_S03

BID OPPORTUNITY: 864-2022

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2022 UPGRADES
STRUCTURAL
SUB-LEVEL 1 & 2 FLOOR FRAMING PLANS
NEW

CITY DRAWING NUMBER 1-0162L-S0002-002
SHEET 89 OF 109

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