MAIN FLOOR PLAN (NEW)

SCALE: 1:20

ROOF PLAN (NEW)

SCALE: 1:20

DRAWING NOTES:

1. REFER TO DRAWING REF.3 FOR TYPICAL LADDER DETAILS.

FOUNDATION WALL TYPES:

- SEE SECTIONS & DETAILS FOR ADDITIONAL INFORMATION.

EWF1 EXIST. FOUNDATION WALL

- NEW 22GA. GALVALUME FLASHING TO 200mm BELOW GRADE
- NEW 38mm TYPE 4 RIGID INSUL. (R-7.5) TO 1220mm BELOW MAIN FLOOR
- EXIST. CONC. FOUNDATION WALL
- EXIST. 50mm RIGID INSUL.
- EXIST. 6mm PLYWOOD (PAINTED)

FW1 NEW GRADE BEAM

- 22ga. GALVALUME FLASHING TO 200mm BELOW GRADE
- 38mm TYPE 4 RIGID INSUL. (R-7.5)
- C.I.P. CONC. GRADE BEAM (SEE STRUCT.)

FLOOR TYPES:

- SEE SECTIONS & DETAILS FOR ADDITIONAL INFORMATION.

EF1 EXIST. CONC FLOOR

- EXIST. C.I.P. CONC. FLOOR (NEW COATING)
- EXIST. 50mm RIGID INSUL.
- EXIST. 6mm PLYWOOD (PAINTED)

F1 NEW CONC. FLOOR (STRUCTURAL SLAB)

- C.I.P. CONC. FLOOR (SEE STRUCT.) (NEW COATING)
- 6 MIL. POLY VAPOUR BARRIER
- 150mm VOIDFORM (SEE STRUCT.)

WALL TYPES:

- SEE SECTIONS & DETAILS FOR ADDITIONAL INFORMATION.
- REFER TO STRUCTURAL FOR CONC. BLOCK REQUIREMENTS & REINFORCING.

W1 EXTERIOR WALLS (EFF. R-VALUE = R-11)

- 90mm FACE BRICK
- 25mm AIR SPACE
- 38mm XPS INSUL.
- MEMBRANE AIR/VAPOUR BARRIER
- 140mm CONC. BLOCK (PAINTED)

W2 EXTERIOR WALLS (EFF. R-VALUE = R-11, 3/4HR. F.R.R.)

- 90mm FACE BRICK
- 25mm AIR SPACE
- 38mm XPS INSUL.
- MEMBRANE AIR/VAPOUR BARRIER
- 140mm CONC. BLOCK (PAINTED)

W3 EXTERIOR WALLS (EFF. R-VALUE = R-11, 1HR. F.R.R.)

- 90mm FACE BRICK
- 25mm AIR SPACE
- 38mm XPS INSUL.
- MEMBRANE AIR/VAPOUR BARRIER
- 140mm CONC. BLOCK (PAINTED)

W4 GABLE WALL

- 90mm FACE BRICK
- 25mm AIR SPACE
- 38mm XPS INSUL.
- MEMBRANE AIR/VAPOUR BARRIER
- 16mm EXTERIOR GYPSUM BOARD
- WD GABLE TRUSS

W5 GABLE WALL (1HR. F.R.R.)

- 90mm FACE BRICK
- 25mm AIR SPACE
- 38mm XPS INSUL.
- MEMBRANE AIR/VAPOUR BARRIER
- 16mm TYPE 'X' EXTERIOR GYPSUM BOARD (TAPED)
- 92mm STL STUDS @ 406 O/C
- 92mm MINERAL WOOL INSUL. (FILL CAVITY)
- 16mm TYPE 'X' GYPSUM BOARD (TAPED)

ROOF TYPES:

- SEE SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.

R1 TYPICAL ROOF (R-25 MIN.)

- PRE-FIN. STANDING SEAM METAL ROOFING
- ROOFING UNDERLAYMENT
- ROOF SHEATHING (SEE STRUCT.)
- PRE-ENG. WOOD TRUSSES @ 610mm O/C
- BLOWN-IN FIBREGLASS INSUL. (R-25)
- 6 MIL. POLY VAPOUR BARRIER
- 13mm G1S PLYWOOD (PAINT)

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6	1-0162L-S0004-005	SECTIONS & DETAILS
5	1-0162L-S0004-001	DETAILS - NEW
4	1-0162L-S0004-003	DETAILS - NEW
3	1-0162L-S0004-002	DETAILS - NEW
2	1-0162L-B0006-001	SECTIONS & DETAILS - NEW
1	1-0162L-B0005-001	BUILDING SECTIONS - 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_B06

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2022 UPGRADES
BUILDING
MAIN FLOOR & ROOF PLAN
NEW

CITY DRAWING NUMBER 1-0162L-B0003-001
SHEET 103 OF 109

BID OPPORTUNITY: 864-2022
FILE PATH: \\k-file-4\p-data\Projects\2022\22-0107-004\Dwg\Struct\