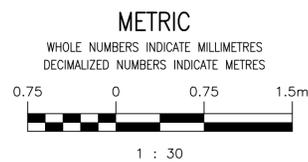


MAIN FLOOR AND GENERATOR ROOM PLAN (EL. 231.572m)  
 SCALE: 1:30



| CODE ANALYSIS LEGEND |   |
|----------------------|---|
| SYMBOL               | ITEM  |
|                      | TRAVEL DISTANCE   |
|                      | FIRE RATED ASSEMBLY (RATING AS PER ANNOTATION BUBBLE)               |
|                      | ANNOTATION BUBBLE, NUMBER INDICATES TIME IN MINUTES FOR FIRE RATING |

| BUILDING CODE REVIEW   |       |                      |                             |
|--|-------|----------------------|-----------------------------|
| INFORMATION PROVIDED BELOW SETS THE PARAMETER TO ESTABLISH COMPLIANCE WITH NBC 2020 WITH MANITOBA AMENDMENTS |       |                      |                             |
| BUILDING CLASSIFICATION:   | F-3   | APPLICABLE SECTION:  | 3.2.2.89                    |
| BUILDING AREA (m <sup>2</sup> ):   | 48.60 | SPRINKLER SYSTEM:    | NO                          |
| NUMBER OF STOREYS:   | 1     | FIRE ALARM REQUIRED: | NO                          |
| NUMBER OF STREETS:   | 1     | CONSTRUCTION:        | COMBUSTIBLE/NON COMBUSTIBLE |
| OCCUPANT LOAD:   | < 5   | MEZZANINES:          | NO                          |
| BARRIER FREE DESIGN:   | N/A   | ROOFING MATERIAL:    | METAL                       |
| DRY WELL CLASSIFICATION: "CONFINED SPACE" (CITY OF WINNIPEG)   |       |                      |                             |
| WET WELL CLASSIFICATIONS: "HAZARDOUS CONFINED SPACE" (CITY OF WINNIPEG)                                      |       |                      |                             |

| ENERGY CODE REVIEW   |       |  |          |
|--|-------|--|----------|
| INFORMATION PROVIDED BELOW SETS THE PARAMETER TO ESTABLISH COMPLIANCE WITH NECB 2020 |       |  |          |
| ADDITION TO EXISTING BUILDING  | YES   | (AS APPLICABLE) AREA OF ADDITION (m <sup>2</sup> ):    | 20.82    |
| BUILDING FOOTPRINT AREA (m <sup>2</sup> ):   | 48.60 | VERTICAL OPAQUE ENVELOPE AREA (m <sup>2</sup> ):       | 90       |
| CONDITIONED SPACE AREA (m <sup>2</sup> ):  | 48.60 | VERTICAL DOOR AND FENESTRATION AREA (m <sup>2</sup> ): | 8.4      |
| SEMI HEATED SPACE AREA (m <sup>2</sup> ):  | 0     | FENESTRATION & DOOR TO GROSS WALL AREA RATIO (%):      | 8.5      |
| UNCONDITIONED SPACE AREA (m <sup>2</sup> ):  | 0     | HORIZONTAL OPAQUE ENVELOPE AREA (m <sup>2</sup> ):     | 73.7     |
| TOTAL FLOOR SURFACE AREA (m <sup>2</sup> ):  | 48.60 | HORIZONTAL SKY LIGHT ENVELOPE AREA (m <sup>2</sup> ):  | 0        |
| VESTIBULE(S):  | NO    | HORIZONTAL FENESTRATION (SKYLIGHT) RATIO (%):          | 0        |
| CLIMATE ZONE HEATING DEGREE DAYS   | 5670  | ASHRAE 62.1-2001 EXCEPT ADDENDUM:                      | NFPA 820 |

| NECB COMPLIANCE SUMMARY   |            |     |                                  |
|---|------------|-----|----------------------------------|
| INDICATE THE COMPLIANCE PATH FOR EACH PART BELOW. PLEASE NOTE THAT ONLY ONE MEANS OF COMPLIANCE IS POSSIBLE PER PART. |            |     |                                  |
| PART 3: BUILDING ENVELOPE   | TRADE OFF: | YES | PRESCRIPTIVE: - PERFORMANCE: -   |
| PART 4: LIGHTING  | TRADE OFF: | -   | PRESCRIPTIVE: YES PERFORMANCE: - |
| PART 5: HEATING, VENTILATION, AND AIR CONDITIONING SYSTEMS  | TRADE OFF: | -   | PRESCRIPTIVE: YES PERFORMANCE: - |

| PART 3: BUILDING ENVELOPE TRADE-OFF          |                      |  |  |
|--|----------------------|--|--|
| PROPOSED BUILDING ASSEMBLIES                 |                      |  |  |
| TYPE OF ASSEMBLY                             | LOCATION OF ASSEMBLY | OVERALL THERMAL TRANSMITTANCE (W/m <sup>2</sup> K) | COMPONENT SURFACE AREA (m <sup>2</sup> ) |
| ROOF   | ABOVE GRADE          | 0.142  | 73.73                                    |
| EXTERIOR WALL                                | ABOVE GRADE          | 0.420  | 90.77                                    |
| EXTERIOR DOOR                                | ABOVE GRADE          | 2.366  | 8.42                                     |
| REFERENCE BUILDING ASSEMBLIES AND PROPERTIES |                      |  |  |
| TYPE OF ASSEMBLY                             | LOCATION OF ASSEMBLY | OVERALL THERMAL TRANSMITTANCE (W/m <sup>2</sup> K) | COMPONENT SURFACE AREA (m <sup>2</sup> ) |
| ROOF   | ABOVE GRADE          | 0.121  | 72.25                                    |
| EXTERIOR WALL                                | ABOVE GRADE          | 0.215  | 78.98                                    |
| FENESTRATION                                 | ABOVE GRADE          | 1.730  | 20.21                                    |
| EXTERIOR DOOR                                | ABOVE GRADE          | 1.900  | 8.42                                     |
| SKYLIGHT                                     | ABOVE GRADE          | 2.410  | 1.47                                     |
| THERMAL PERFORMANCE SUMMARY                  |                      |  |  |
| PROPOSED BUILDING                            |                      | REFERENCE BUILDING                                 |  |
| VERTICAL ASSEMBLIES (W/K)                    | 58.05                | VERTICAL ASSEMBLIES (W/K)                          | 67.95                                    |
| HORIZONTAL ASSEMBLIES (W/K)                  | 10.47                | HORIZONTAL ASSEMBLIES (W/K)                        | 12.30                                    |
| VERTICAL ASSEMBLY TRADE-OFF COMPLIANCE:      |                      | PASS   |  |
| HORIZONTAL ASSEMBLY TRADE-OFF COMPLIANCE:    |                      | PASS   |  |

| NO. | DRAWING NUMBER | REFERENCE DRAWINGS TITLE |
|-----|----------------|--------------------------|
| 9   |                |                          |
| 8   |                |                          |
| 7   |                |                          |
| 6   |                |                          |
| 5   |                |                          |
| 4   |                |                          |
| 3   |                |                          |
| 2   |                |                          |
| 1   |                |                          |

**ENGINEERS GEOSCIENTISTS MANITOBA**  
 Certificate of Authorization  
 MPE, a division of Englobe Corp.  
 No. 4968 Date: MAR 09, 2026

| NO. | REVISIONS                               | DATE       | DESIGN | CHECK |
|-----|---|------------|--------|-------|
| 01  | ISSUED FOR CONSTRUCTION, B.O. 1042-2025 | 2026-03-09 | MJB    | MJB   |
| 00  | ISSUED FOR CONSTRUCTION, B.O. 1042-2025 | 2026-01-09 | MJB    | MJB   |

**MPE**  
 a division of Englobe

DESIGNED BY: M. BAKER  
 CHECKED BY: M. BAKER  
 DRAWN BY: J. BALVERDE  
 APPROVED BY: M. BAKER

SCALE: AS NOTED  
 DATE: 2026-01-09  
 CONSULTANT NO.: 8400-011-00

ENGINEER'S SEAL  
**M.J. BAKER**  
 Member 43540  
 REGISTERED PROFESSIONAL ENGINEER  
 2026-03-09

THE CITY OF WINNIPEG  
 WATER AND WASTE DEPARTMENT

TYLEHURST LIFT STATION  
 2026 UPGRADES  
 ARCHITECTURAL  
 CODE REVIEW PLAN AND NOTES

CITY DRAWING NUMBER: 1-0193L-B0001  
 SHEET: 001  
 REV: 01  
 SIZE: A1