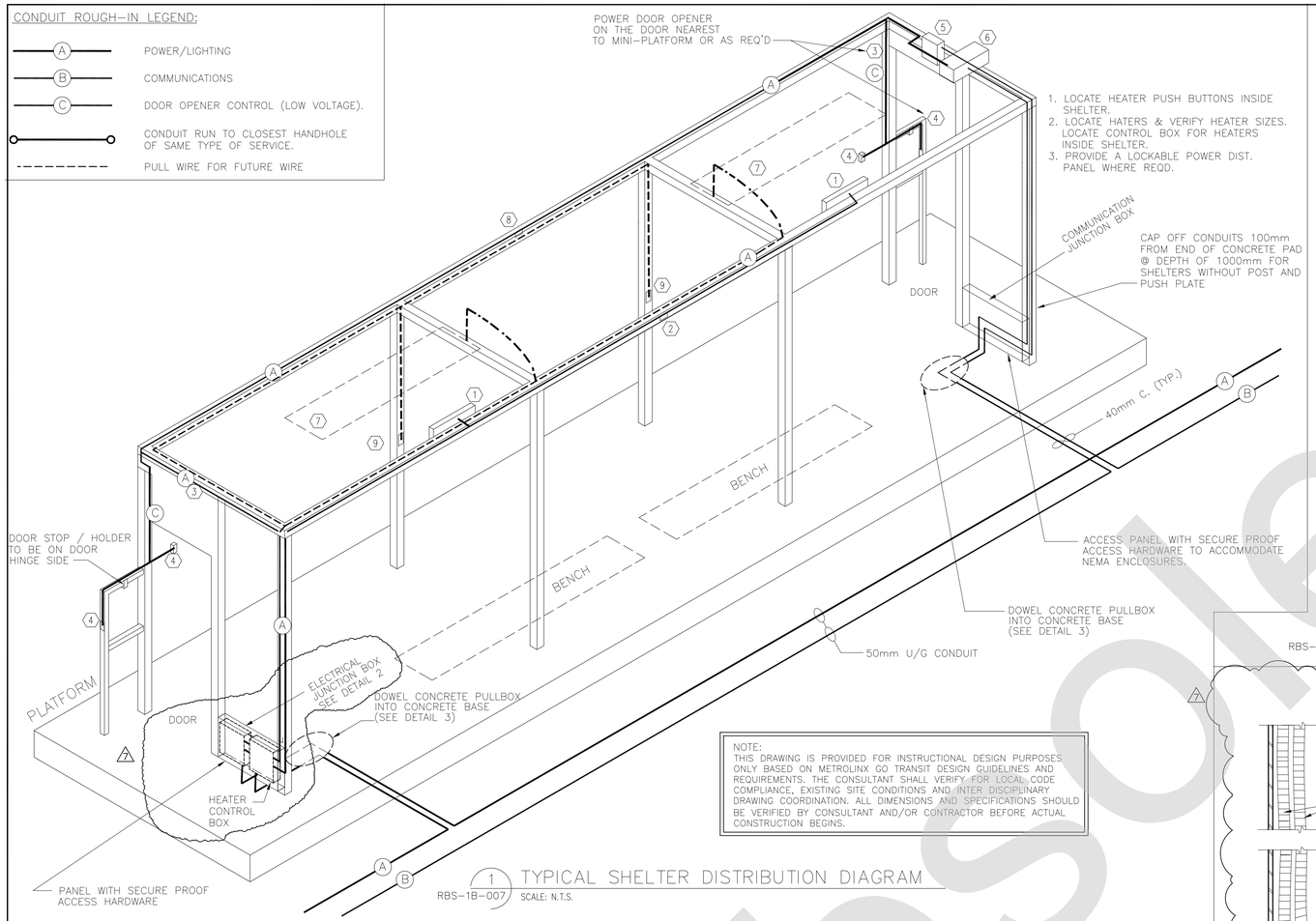
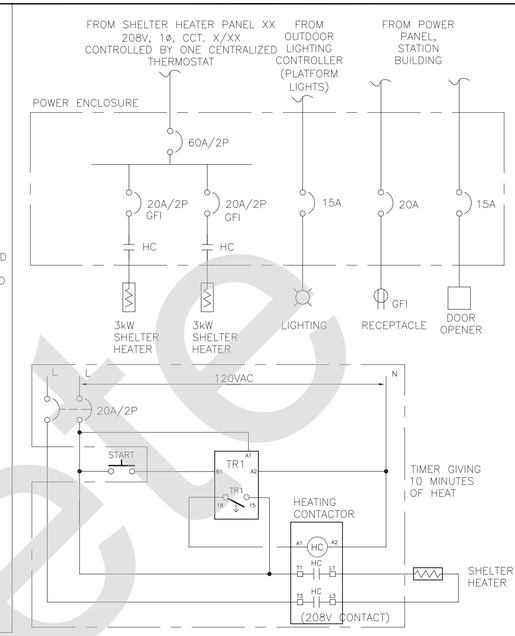
CONDUIT ROUGH-IN LEGEND:

- (A) POWER/LIGHTING
- (B) COMMUNICATIONS
- (C) DOOR OPENER CONTROL (LOW VOLTAGE).
- CONDUIT RUN TO CLOSEST HANDHOLE OF SAME TYPE OF SERVICE.
- PULL WIRE FOR FUTURE WIRE

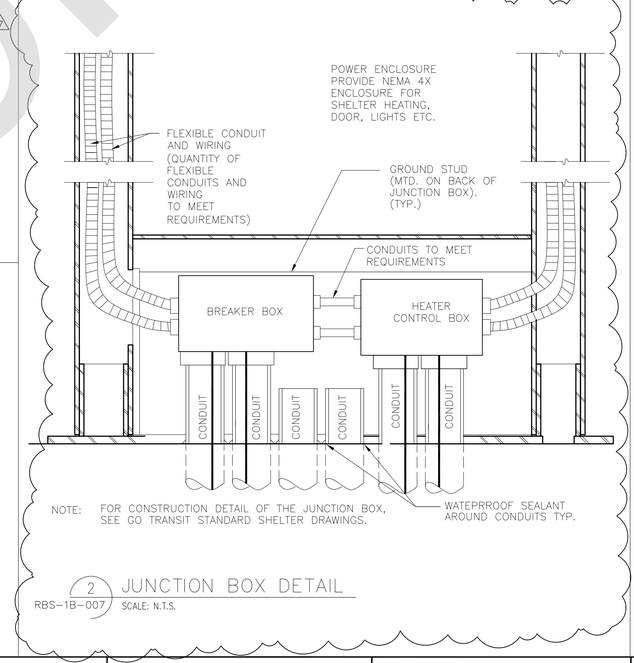



NOTE:
THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONSULTANT SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED BY CONSULTANT AND/OR CONTRACTOR BEFORE ACTUAL CONSTRUCTION BEGINS.

1 / RBS-1B-007 — TYPICAL SHELTER DISTRIBUTION DIAGRAM
SCALE: N.T.S.

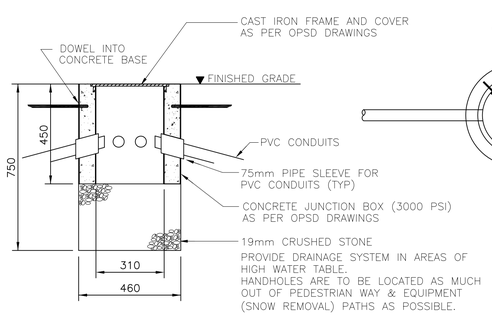


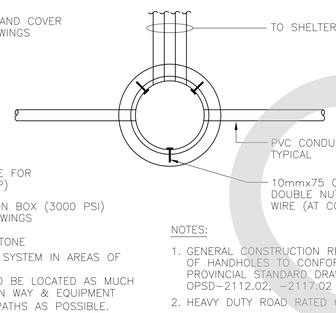

6 / RBS-1B-007 — POWER & CONTROL SCHEMATIC FOR SHELTER HEATING
SCALE: N/A




NOTE: FOR CONSTRUCTION DETAIL OF THE JUNCTION BOX, SEE GO TRANSIT STANDARD SHELTER DRAWINGS.

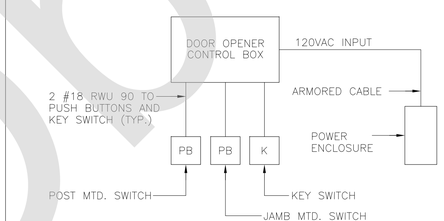
2 / RBS-1B-007 — JUNCTION BOX DETAIL
SCALE: N.T.S.




NOTES:
1. GENERAL CONSTRUCTION REQUIREMENTS OF HANDHOLES TO CONFORM TO ONTARIO PROVINCIAL STANDARD DRAWINGS. OPSD-2112.02, -2117.02 & -2123.03
2. HEAVY DUTY ROAD RATED COVERS.

3 / RBS-1B-007 — CONCRETE PULL BOX BOX DETAIL
SCALE: N.T.S.




NOTE: KEY SWITCH TO DISABLE BOTH PUSH BUTTONS.

4 / RBS-1B-007 — DOOR OPENER WIRING DIAGRAM
SCALE: N.T.S.

## METRIC

ALL DIMENSIONS SHOWN ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE NOTED.

EQUIPMENT/FIXTURE LEGEND:

1. LED LIGHT FIXTURE, RAB, RUDD OR BETALED WALL MOUNT, OR APPROVED EQUIVALENT (OAE).
2. RECESSED RECEPTACLE – G.F.I. (INSIDE SHELTER)
3. POWER DOOR OPENER ON ONE DOOR ONLY NEAREST TO MINI-PLATFORM, OR AS REQUIRED.
4. DOOR OPENER PUSH PLATE
5. PUBLIC ADDRESS (P/A) SPEAKER. PROVIDE CUTOUT ON BEAM AND PREPAINTED COVER PLATE
6. CLOSED CIRCUIT TV (CCTV) MONITORING SYSTEM. PROVIDE CUTOUT ON BEAM AND PREPAINTED COVER PLATE.
7. TUBULAR QUARTZ WITH TUNGSTEN COIL HEATER C/W FACTORY INSTALLED ELECTRICAL ENCLOSURE NEMA 4X. REMOTE MOMENTARY PUSH-BUTTON CONTROL SHALL BE HEAVY DUTY ALLAN-BRADLEY OR EQUIVALENT, 120V SINGLE POLE. (REFER TO SPECIFICATIONS)
8. PROVIDE ADDITIONAL ACCESS POINT. PROVIDE PREPAINTED COVER PLATE WITH RUBBER GASKET.
9. LOCATION OF HEATER PUSH BUTTONS

NOTES:

1. CONDUITS: ROUGH-IN UNDER SLAB AT A DEPTH OF 1000mm FOR POWER AND COMMUNICATIONS. TERMINATE CONDUITS INTO 12" DIA. CONCRETE PULL BOX.
2. ALL CONDUITS TO BE RIGID EPOXY COATED.
3. CONDUIT SIZE IS 40mm UNLESS NOTED OTHERWISE.
4. ALL POWER WIRING TO BE RWU 90 CONDUCTOR CONTAINED WITHIN FLEX TIGHT CONDUIT.
5. ARRANGE WIRING NEATLY IN JUNCTION BOX AND LABEL WITH WIRE MARKERS. IF EXPOSED TO PUBLIC, EPOXY COATED RIGID STEEL CONDUIT IS TO BE USED. IF IMPOSSIBLE DUE TO SPACE, FLEXIBLE LIQUID TIGHT CONDUIT AND WIRE IS TO BE USED.
6. PROVIDE BUSHINGS AT ENDS OF CONDUITS IN SHELTER JB'S TO PREVENT DAMAGE TO CONDUCTOR INSULATION.
7. PROVIDE UNDERGROUND 40mm RIGID PVC CONDUIT BURIED AT 1000mm DEPTH FOR LOW VOLTAGE DOOR OPENER CONTROL WIRING. STUB UP CONDUIT 150mm ABOVE FINISHED GRADE INTO SHELTER COLUMN.
8. RECEPTACLE SHALL BE HUBBELL #GFR-5362 GRAY SURFACE MOUNTED IN CAST ALUMINIUM BOX AND c/w HUBBELL #WP26 ALUMINUM COVER, OAE. TYPICAL FOR ALL SHELTERS.
9. COORDINATE ELECTRICAL INSTALLATION WITH SHELTER INSTALLER. PROVIDE PULL WIRES IN SHELTER HOLLOW SECTIONS AS REQUIRED.
10. SHELTERS TO BE BONDED.
11. THE MANUFACTURER IS RESPONSIBLE FOR OBTAINING A 'CSA' STICKER FOR THE ENTIRE SHELTER AND ITS COMPONENTS OR ADDITIONAL 'ESA' INSPECTIONS WHERE REQUIRED BY 'ESA'.
12. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR'S SUB TRADE (i.e. ELECTRICAL CONTRACTOR) TO ENSURE THAT ALL ELECTRICAL PERMITS AND LOCAL ELECTRICAL INSPECTIONS ARE COMPLETE.
13. WHEN THE ASSEMBLY OF THE SHELTERS HAPPENS ON SITE, IT IS PERMITTED THAT THE WIRING ASSOCIATED WITH THE SHELTERS BE INCLUDED IN THE WIRING PERMIT AND SHALL BE ACCEPTED AS PART OF THE FIELD WIRING ONCE THEY ARE DETERMINED TO MEET CODE REQUIREMENTS.
14. GROUNDING SHALL MEET THE REQUIREMENTS OF ONTARIO ELECTRICAL SAFETY CODE.
15. THE ELECTRICAL AND COMMUNICATIONS HANDWELLS SERVING EACH PLATFORM (RAIL AND BUS) SHELTER SHALL BE HOUSED INSIDE THE SHELTER CLOSE TO ITS RESPECTIVE JUNCTION BOX TO AVOID TRIPPING HAZARDS AND FACILITATE ELECTRICIANS ACCESS.
16. THE ELECTRICAL AND COMMUNICATIONS JUNCTION BOX ACCESS PANELS SHALL BE A WATERPROOF, VANDALPROOF, QUICK RELEASE EASY ACCESS HINGED DOOR SECURED BY A PAIR OF QUARTER TURN CAM LOCKS WITH TRIANGULAR OR SQUARE KEY LOCK TO ALLOW FOR EASIER ACCESS/SERVICE.
17. THE ELECTRICAL ENCLOSURE SHALL HOUSE DEDICATED BREAKERS (MIN 6 BREAKERS) AND RADIANT HEATER CONTROLS, WHICH WILL ADDRESS ESA LOCAL BREAKER REQUIREMENTS; FACILITATE ELECTRICIANS ACCESS; HOUSE RADIANT HEATER CONTROLS LOCALLY AND MINIMIZE UNNECESSARY RUNNING OF WIRES BETWEEN THE SHELTER CONTROLS AND THE ELECTRICAL ROOM.

METROLINX PROJECT NO.

| REFERENCE DRAWINGS | | ISSUE | | | REVISIONS | | |
|---|---|---|---|---|---|---|---|
| | | | | | 6 | JUNE 2014 | REVISED DETALS 2, 6, 1 |
| | | | | | 5 | APR 2014 | BARRIER FREE PUSH BUTTON REVISION |
| | | | | | 4 | DEC 2013 | DISCLAIMER NOTE |
| | | | | | 3 | SEPT 2013 | RAMP AND HANDRAIL REVISIONS |
| | | | | | 2 | AUG 2013 | COLOUR REVISION |
| | | 7 | FEB 2015 | REVISED DETALS 1, 2 | 1 | JULY 2012 | NOMENCLATURE REVISION |
| DWG NO. | TITLE | REV. | DATE | ISSUED FOR | REV. | DATE | |

| | |
|---|---|
| DRAWN BY: G.R 07/09/22 | DESIGNED BY: GO TRANSIT |
| CHECKED BY: D.S.P | APPROVED BY: |
| SCALE: NONE | FULL SIZE ONLY |

A Division of Metrolinx

# NEW SHELTERS

## PEAKED ROOF SHELTER WITH RAMP

ELECTRICAL

| CONTRACT NO. | DWG. NO. | REV. | SHEET |
|---|---|---|---|
| | RBS-1B-007 | 7 | |