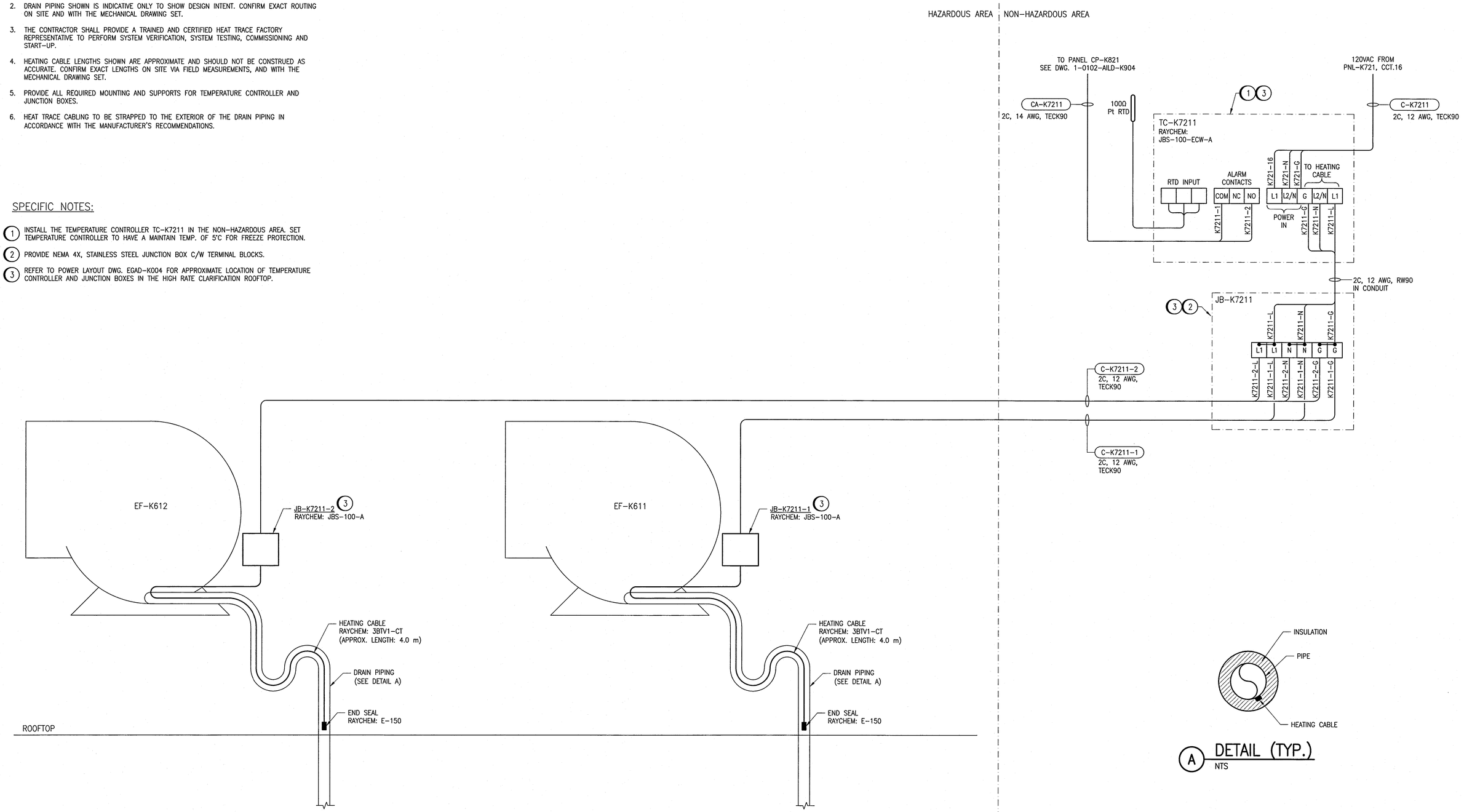
A1 SIZE – 594mm x 841mm

## GENERAL NOTES:

1. PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND WITH THE VENDOR INSTALLATION GUIDE.
2. DRAIN PIPING SHOWN IS INDICATIVE ONLY TO SHOW DESIGN INTENT. CONFIRM EXACT ROUTING ON SITE AND WITH THE MECHANICAL DRAWING SET.
3. THE CONTRACTOR SHALL PROVIDE A TRAINED AND CERTIFIED HEAT TRACE FACTORY REPRESENTATIVE TO PERFORM SYSTEM VERIFICATION, SYSTEM TESTING, COMMISSIONING AND START–UP.
4. HEATING CABLE LENGTHS SHOWN ARE APPROXIMATE AND SHOULD NOT BE CONSTRUED AS ACCURATE. CONFIRM EXACT LENGTHS ON SITE VIA FIELD MEASUREMENTS, AND WITH THE MECHANICAL DRAWING SET.
5. PROVIDE ALL REQUIRED MOUNTING AND SUPPORTS FOR TEMPERATURE CONTROLLER AND JUNCTION BOXES.
6. HEAT TRACE CABLING TO BE STRAPPED TO THE EXTERIOR OF THE DRAIN PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

## SPECIFIC NOTES:

1. INSTALL THE TEMPERATURE CONTROLLER TC–K7211 IN THE NON–HAZARDOUS AREA. SET TEMPERATURE CONTROLLER TO HAVE A MAINTAIN TEMP. OF 5°C FOR FREEZE PROTECTION.
2. PROVIDE NEMA 4X, STAINLESS STEEL JUNCTION BOX C/W TERMINAL BLOCKS.
3. REFER TO POWER LAYOUT DWG. EGAD–K004 FOR APPROXIMATE LOCATION OF TEMPERATURE CONTROLLER AND JUNCTION BOXES IN THE HIGH RATE CLARIFICATION ROOFTOP.




A DETAIL (TYP.)
NTS

| REFERENCE DRAWINGS | DESCRIPTION |
|---|---|
| 1–0102–AILD–K904 | TC–K7211 TEMPERATURE CONTROLLER ALARM |
| 1–0102–EGAD–K004 | POWER LAYOUT, ROOF PLAN |

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

| NO. | REVISIONS | DATE | DESIGN | CHECK |
|---|---|---|---|---|
| 00 | ISSUED FOR CONSTRUCTION – 976–2016 | 2017/04/05 | SLJ | DEB |

CH2MHILL. SNC·LAVALIN KGS GROUP

| | |
|---|---|
| DESIGNED BY: S. JUGANAS | CHECKED BY: E. RYCZKOWSKI |
| DRAWN BY: S. JUGANAS | APPROVED BY: D. BECKER |
| SCALE: NTS | ISSUED FOR CONSTRUCTION BY: J. SHUMKA |
| DATE: 2016/04/04 | DATE: 2017/04/05 |
| CONSULTANT NO.: 474248 | |

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.E. BECKER
Member
23646
REGISTERED PROFESSIONAL ENGINEER
Apr. 5/ 2017

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL – WIRING DIAGRAM
HIGH RATE CLARIFICATION BUILDING
EXHAUST FAN DRAIN HEAT TRACE, TEMP. CONTROLLER TC–K7211

| CITY DRAWING NUMBER | SHEET | REV. | SIZE |
|---|---|---|---|
| 1–0102–EWDG–K002 | 001 | 00 | A1 |

LAST SAVE: 2017/03/24 – 9:55am
PATH: C:\DWG\1–0102–EWDG–K002.dwg
PLOT DATE: Mar 24, 2017 – 9:55am
FILE NAME: 1–0102–EWDG–K002.dwg