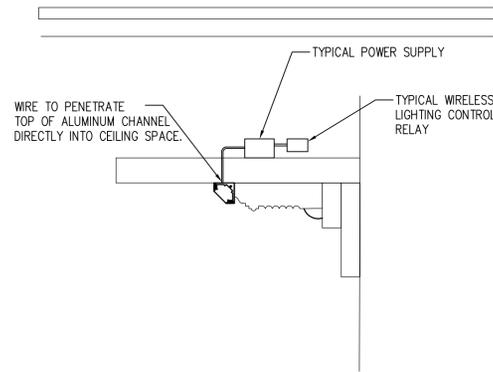
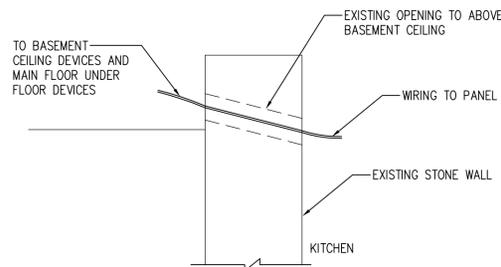


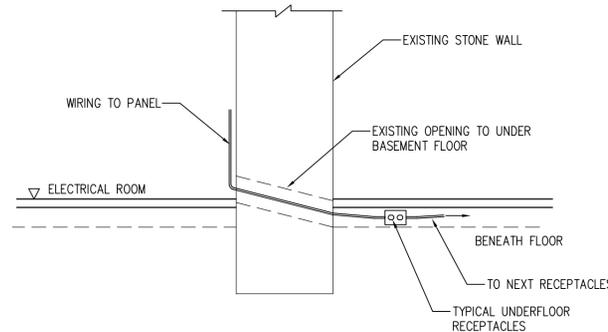
1 BIGHOUSE BASEMENT TO ATTIC WIREWAY DETAIL
E20 NTS



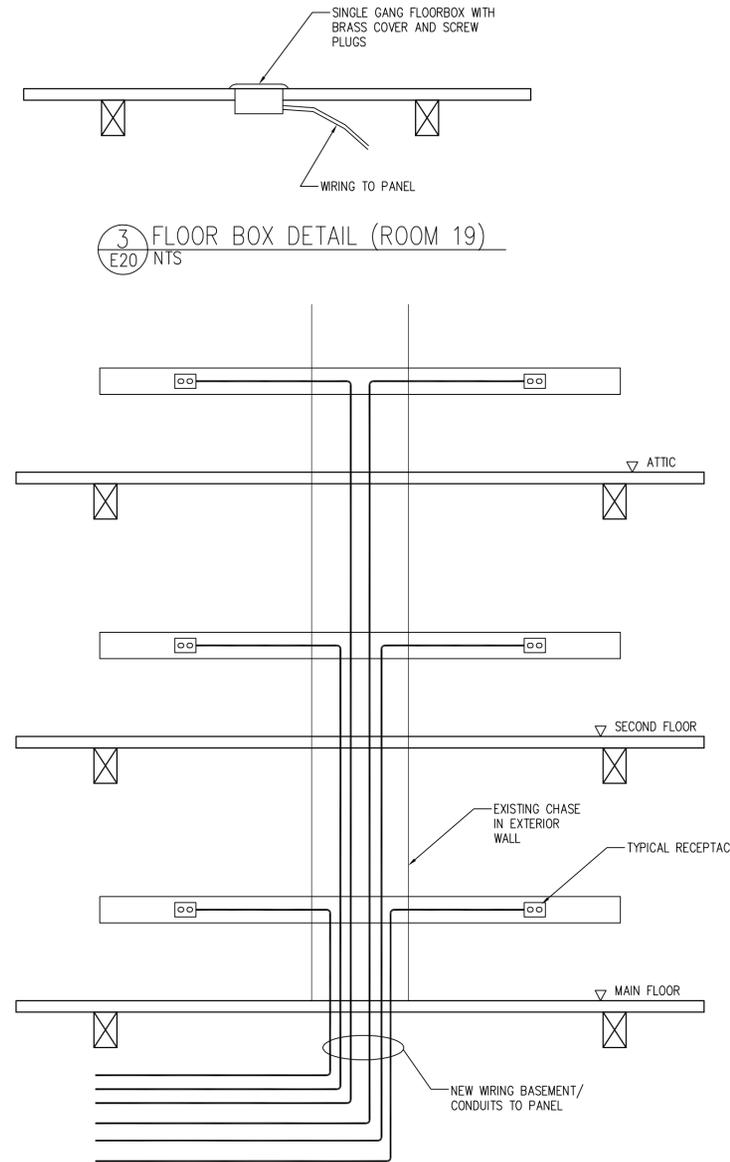
2 LUMINAIRE WIRING DETAIL
E20 NTS



4 BIGHOUSE ELECTRICAL ROOM TO BASEMENT CEILING WIREWAY DETAIL
E20 NTS



5 BIGHOUSE ELECTRICAL ROOM TO BENEATH BASEMENT FLOOR WIREWAY DETAIL
E20 NTS



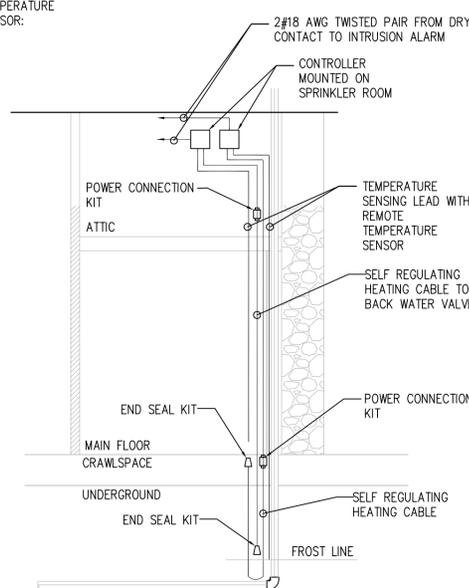
3 FLOOR BOX DETAIL (ROOM 19)
E20 NTS

6 FURLOFT WALL CHASE DETAIL
E20 NTS

COMPONENT DESCRIPTIONS:

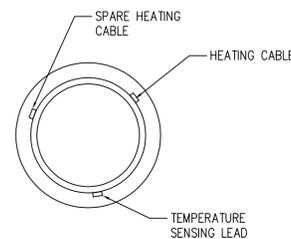
SINGLE POINT HEAT TRACING CONTROL SYSTEM: PROVIDES GROUND FAULT AND LINE CURRENT SENSING, ALARMING, SWITCHING (MECHANICAL RELAYS), RELAY TO BE RATED FOR 30A AT 277VAC. CONTROL SYSTEM TO INCLUDE ALARM OUTPUT VIA DRY CONTACT.

REMOTE TEMPERATURE SENSOR: MEASURES TEMPERATURE REMOTELY.



SCHEMATIC DIAGRAM IS A GRAPHICAL REPRESENTATION OF THE ROOF AND GUTTER DE-ICING SYSTEM AND DOES NOT INDICATE ALL COMPONENTS, DEVICES, CONDUIT, WIRING, ETC. REFER TO ROOF PLAN FOR DEVICE LOCATIONS

8 WATER ENTRY PIPE SECTION DETAIL
E20 NTS



SYSTEM DESCRIPTION

SUPPLY AND INSTALL FIRE SUPPRESSION SYSTEM FREEZE PROTECTION SYSTEM FOR ENTIRE LENGTH OF THE WATER ENTRY LINE DOWN TO THE FROST LINE.

ENTIRE SYSTEM TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL WORK WITH DEPARTMENTAL REPRESENTATIVE, PARKS CANADA AND GENERAL CONTRACTOR.

LOCATION OF ELECTRONIC CONTROLLERS TO BE CONFIRMED ON SITE.

COMPONENT LIST:

- FIRE SUPPRESSION SYSTEM FREEZE PROTECTION SYSTEM TO INCLUDE, BUT NOT LIMITED TO THE FOLLOWING COMPONENTS:
 - SELF REGULATING HEATING CABLE C/W FLUOROPOLYMER OUTER JACKET AT 39 WATTS PER METRE.
 - POWER CONNECTION KITS
 - SPLICE/TEE KITS
 - END SEAL KITS
 - SINGLE POINT HEAT TRACING CONTROL SYSTEMS.
 - REMOTE TEMPERATURE PROBES.
- PROVIDE ALL REQUIRED MOUNTING HARDWARE, SPLICE, TEE KITS, LABELS, TAPE, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- CABLES TO BE RUN AT 15A, 208V/1Ø. MAXIMUM CABLE LENGTH PER CIRCUIT TO NOT EXCEED 70 METERS.
- INCLUDE ONE ADDITIONAL HEAT TRACE CABLE FOR EACH ZONE INSTALLED THE ENTIRE LENGTH OF PIPE. LABEL CABLE AS SPARE.

7 FIRE SUPPRESSION SYSTEM FREEZE PROTECTION SYSTEM
E20 NTS



APEGM Certificate of Authorization HDK Consulting Incorporated No. 5539 Date: 04/30/2017

Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER	Sept. 12, 16

Client/client: Public Works and Government Services Canada

100 - 167 Lombard Avenue Winnipeg, Manitoba

Project title/Titre du projet: Lower Fort Garry (LFG) National Historic Site, Manitoba

HERITAGE BUILDING RECAPITALIZATION

Approved by/Approuvé par: HCC

Designed by/Concept par: PL

Drawn by/Dessiné par: RD

PWSC Project Manager/Administrateur de Projets TPSC: CHRISTINA KOVACS

PWSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, TPSC

Client/client: PARKS CANADA

Drawing title/Titre du dessin: ELECTRICAL DETAILS-2

Project No./No. du projet: R.075212.001	Sheet/Fauille: E20 OF 24	Revision no./La Révision no.: 0
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