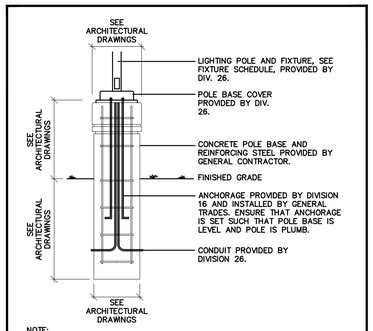
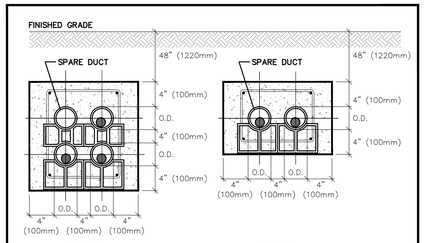


NOTE:

1. DIVISION 26 TO CO-ORDINATE INSTALLATION OF POLE BASE WITH GENERAL TRADES SUCH THAT CONDUITS, GROUND ROD AND ANCHORAGE ARE IN PLACE READY FOR POUR. REFER TO MANUFACTURER'S BASE TEMPLATE FOR PROPER ORIENTATION OF POLES.

CONCRETE BASE DETAIL FOR POLE LIGHTING

NOT TO SCALE



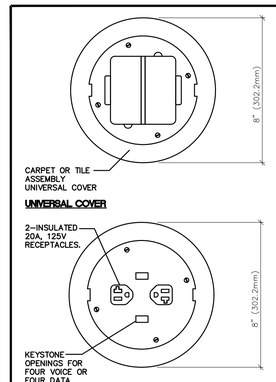
4 DUCTS **2 DUCTS**

NOTES:

1. 4000 PSI CONCRETE ENVELOPE AFTER 28 DAYS.
2. No. 4 DEFORMED REINFORCING BARS.
3. No. 3 DEFORMED REINFORCING TIES SPACED @ 24" (610mm) O.C. UNDER ROADWAYS, PARKING AREAS ETC. & @ 60" (1524mm) O.C. IN OTHER AREAS.
4. DUCTS TO BE RIGID TYPE I FOR CONCRETE ENCASEMENT.
5. MOLDED PLASTIC INTERLOCKING DUCT SPACERS AT 60" (1524mm) INTERVALS ALONG ENTIRE LENGTH OF DUCT BANK.
6. ALL LONGITUDINAL REINFORCING BARS TO BE WIRED TOGETHER TO No. 3 TIE BARS & TO PLASTIC SPACERS. LONGITUDINAL REINFORCING BAR SHALL OVERLAP 40 BAR DIA. MIN.
7. DUCT BANK SHALL BE BURIED MIN. 48" (1220mm) BELOW FINISHED GRADE. PROVIDE 6" WIDE RED STRIP TAPE ALONG DUCT RUN AT 24" (610mm) BELOW GRADE.
8. SEAL ALL DUCT ENDS AFTER CABLES ARE INSTALLED.

DUCT BANK

NOT TO SCALE

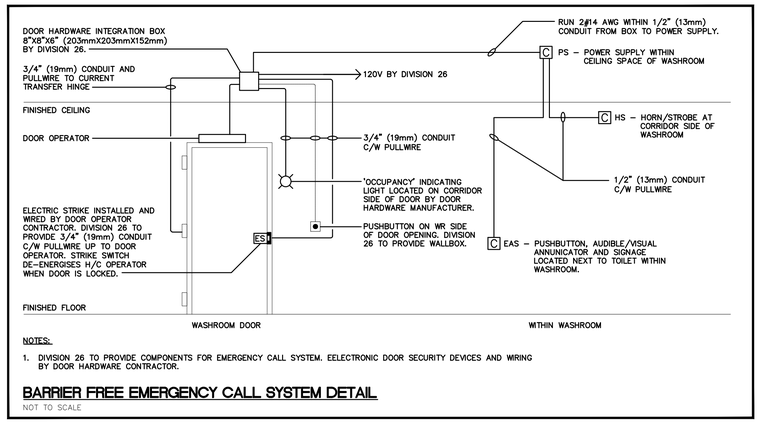


NOTES:

1. SUB-PLATE CAN BE INTERCHANGED TO SUIT REQUIRED APPLICATION.

ROUND METALLIC/NON METALLIC CONCRETE FLOOR BOX

NOT TO SCALE

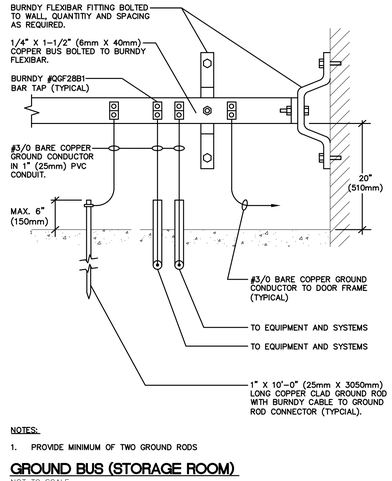


NOTES:

1. DIVISION 26 TO PROVIDE COMPONENTS FOR EMERGENCY CALL SYSTEM. EELECTRONIC DOOR SECURITY DEVICES AND WIRING BY DOOR HARDWARE CONTRACTOR.

BARRIER FREE EMERGENCY CALL SYSTEM DETAIL

NOT TO SCALE

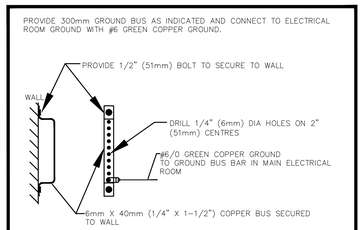


NOTES:

1. PROVIDE MINIMUM OF TWO GROUND RODS

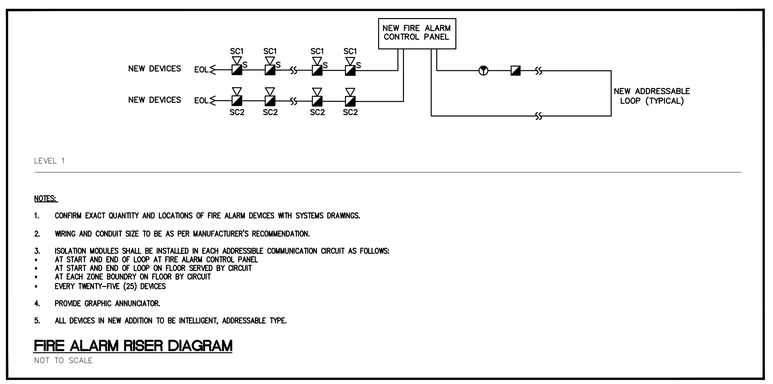
GROUND BUS (STORAGE ROOM)

NOT TO SCALE



TELECOM/GROUND BAR

NOT TO SCALE



LEVEL 1

NOTES:

1. CONFIRM EXACT QUANTITY AND LOCATIONS OF FIRE ALARM DEVICES WITH SYSTEMS DRAWINGS.
2. WIRING AND CONDUIT SIZE TO BE AS PER MANUFACTURER'S RECOMMENDATION.
3. ISOLATION MODULES SHALL BE INSTALLED IN EACH ADDRESSIBLE COMMUNICATION CIRCUIT AS FOLLOWS:
   - AT START AND END OF LOOP AT FIRE ALARM CONTROL PANEL
   - AT START AND END OF LOOP ON FLOOR SERVED BY CIRCUIT
   - AT EACH ZONE BOUNDRY ON FLOOR BY CIRCUIT
   - EVERY TWENTY-FIVE (25) DEVICES
4. PROVIDE GRAPHIC ANNUNCIATOR.
5. ALL DEVICES IN NEW ADDITION TO BE INTELLIGENT, ADDRESSABLE TYPE.

FIRE ALARM RISER DIAGRAM

NOT TO SCALE

IT IS THE RESPONSIBILITY OF THE APPROPRIATE CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE AND TO REPORT ALL ERRORS AND/OR OMISSIONS TO THE ARCHITECT.

ALL CONTRACTORS MUST COMPLY WITH ALL PERTINENT CODES AND BY-LAWS.

THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ARCHITECT.

DO NOT SCALE DRAWINGS
COPYRIGHT RESERVED

VR ENGINEERING FORWARD
Vanderwesten & Rutherford Associates Inc.
Mechanical & Electrical Engineers
London . Windsor . Ottawa
www.vreng.ca | 613-563-2100

VR 16-178

#	ISSUED FOR:	DD.MM.YY
6	ISSUED FOR TENDER	12.10.2017
5	ISSUED FOR PRE-TENDER REVIEW	25.08.2017
4	ISSUED FOR 95% REVIEW	18.08.2017
3	ISSUED FOR 90% REVIEW	09.08.2017
2	ISSUED FOR REVIEW	07.07.2017
1	ISSUED FOR 33% REVIEW	23.12.2016

REVISIONS:

ARCHITECT SEAL:

NORTH ARROW:

CLIENT:

ARCHITECT:

PROJECT TITLE:

MCNAB BRAESIDE

ARNPRIOR ONTARIO

SHEET TILE:

ELECTRICAL DETAILS

DRAWN:	CHECKED:
JOP	SB
SCALE: 1 : 50	SHEET No: E001
PROJECT No: 16-178	