

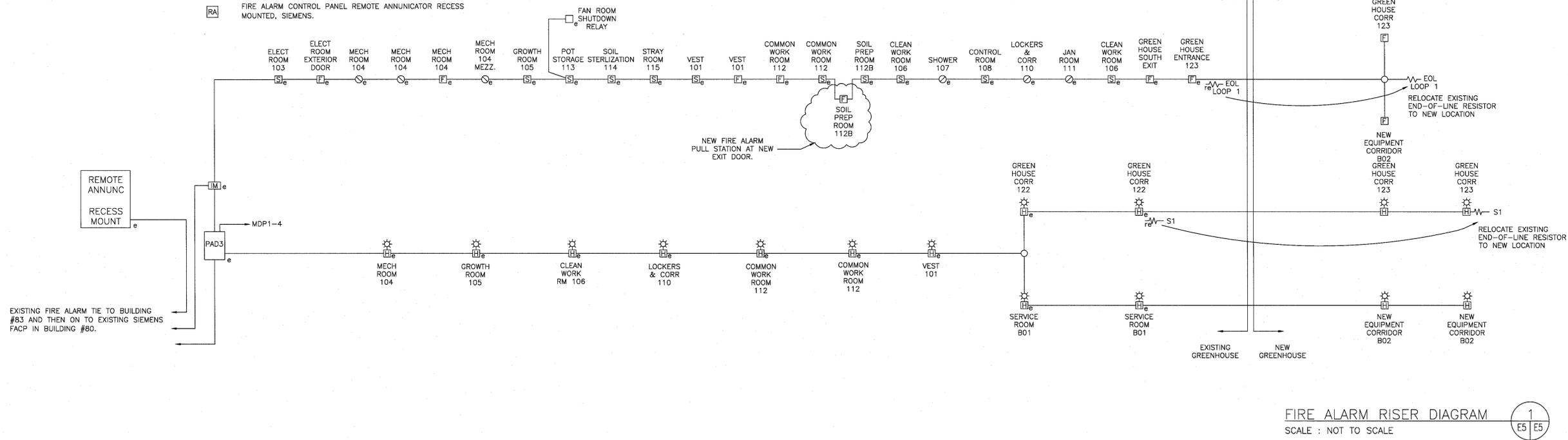


NOTES:

- 1.) ALL FIRE ALARM WIRING IS TO BE IN EMT CONDUIT.
- 2.) ALARM CIRCUIT WIRING SHALL BE A MINIMUM 18 AWG TWISTED SHIELDED PAIR IN CONDUIT.
- 3.) SIGNAL CIRCUIT WIRING SHALL BE A MINIMUM 2 #14 AWG IN CONDUIT.
- 4.) ANNUNCIATOR CABLING TO BE TWO (2) X 1PR TWISTED SHIELDED PLUS 2 #14.
- 5.) ALL NEW FIRE ALARM DEVICES SHALL BE INSTALLED, VERIFIED AND CERTIFIED BY A FACTORY CERTIFIED SIEMENS TECHNICIAN.
- 6.) CONTRACTOR SHALL PROVIDE CERTIFICATION TEST REPORTS TO THE OWNER AND CONSULTANT AND SHALL INCLUDE THESE TEST RESULTS IN THE MAINTENANCE MANUALS.

FIRE ALARM SYSTEM LEGEND

- ⊙ ADDRESSABLE HEAT DETECTOR (15 DEGREES F PER MINUTE) AND FIXED TEMPERATURE (135 DEGREES F). SIEMENS, FPT-11
- ADDRESSABLE HEAT DETECTOR FIXED TEMP. SIEMENS, FPT-11.
- ⊞ ADDRESSABLE FIRE ALARM MANUAL PULL STATION. SIEMENS, MS SERIES
- ⊞ ADDRESSABLE SMOKE DETECTOR IONIZATION TYPE. SIEMENS, #FP-11
- ⊞ ADDRESSABLE FIRE ALARM HORN OR HORN-STROBE COMBINATION. SIEMENS, Z SERIES.
- W— END OF LINE RESISTOR - MOUNTED IN SINGLE GANG DEVICE BOX C/W COVER-PLATE
- H— HOME RUN TO FIRE ALARM CONTROL PANEL. FIRE ALARM WIRING TO BE IN CONDUIT. ALARM CIRCUITS 2 #18 AWG, SIGNAL CIRCUITS TO BE 2 #14 AWG
- ⊞ RA FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATOR RECESS MOUNTED. SIEMENS.



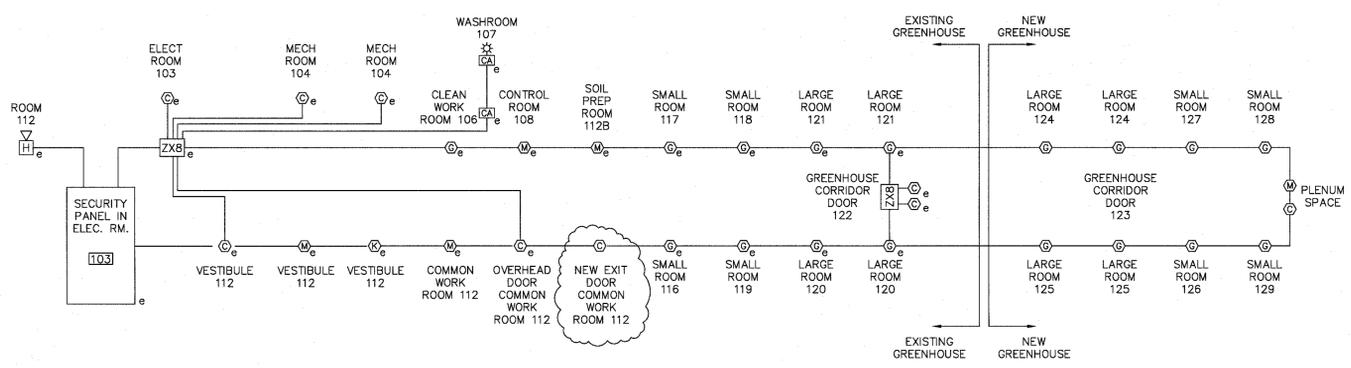
FIRE ALARM RISER DIAGRAM
 SCALE : NOT TO SCALE

SECURITY SPECIFICATIONS

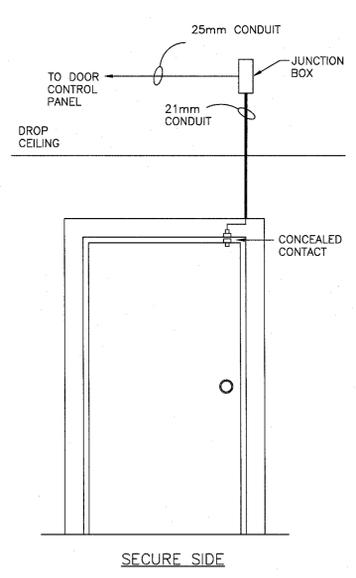
1. PROVIDE INFRASTRUCTURE WIRING FOR ADDRESSABLE TYPE SECURITY SYSTEM AS INDICATED ON THE SCHEMATIC AND AS SHOWN ON FLOOR PLAN DRAWING.
2. ALL SECURITY DEVICES WILL BE SUPPLIED AND INSTALLED BY THIS CONTRACTOR AND SHALL MATCH THE EXISTING SECURITY SYSTEM COMPONENTS. CONTRACTOR TO ENSURE WIRING AND CONDUIT INFRASTRUCTURE MEETS THE REQUIREMENTS OF THE SYSTEM TO BE PROVIDED.
3. WIRING USED SHALL BE 22 GAUGE FT-4, 4 CONDUCTOR STATION WIRE (QUAD CABLE), WHITE COLOR
4. ALL WIRING TO BE IN CONDUIT.

SECURITY SYSTEM LEGEND

- ⊙ ADDRESSABLE QUAD ELEMENT PIR MOTION DETECTOR
- ⊙ KEY PAD, ADEMCO (HONEYWELL) ALFA DISPLAY MODEL #6160
- ⊙ MAN DOOR MAGNETIC CONTACT
- ⊙ OVERHEAD DOOR CONTACT, SENTROL #2727A
- ⊙ PULL CORD DURESS ALARM
- ⊙ GLASS BREAK DETECTOR, TO MATCH EXISTING
- ⊞ ADDRESSABLE 8 ZONE MODULE, PARADOX, #ZX8
- ⊞ ALARM HORN
- ⊞ SECURITY CONTROL PANEL



SECURITY RISER DIAGRAM
 SCALE : NOT TO SCALE



EQUIPMENT BY DIVISION 16:
 - 2"x4" J.BOX (1110) WITH COVER.
 - 2"x4" BACKBOX.
 - CONDUIT.
 - ALL OTHER HARDWARE.

TYPICAL SINGLE DOOR DETAIL
 c/w CONTACT
 SCALE : NOT TO SCALE



03	ISSUED FOR TENDER	19/10/15
02	99% design submission	16/10/15
01	66% design submission	16/09/15

revisions: [table with 2 columns: revision, date]
 project: AAFIC GREENHOUSE EXPANSION HARRINGTON RESEARCH FARM HARRINGTON, PEI

drawing: FIRE ALARM & SECURITY DETAILS

designed: congu
 date: [blank]
 drawn: MDM
 date: SEPTEMBER, 2015
 approved: [Signature]
 date: [blank]
 Tender: [Signature] Submission
 PWSC Project Manager: [Signature] Administrateur de projets TPSGC
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