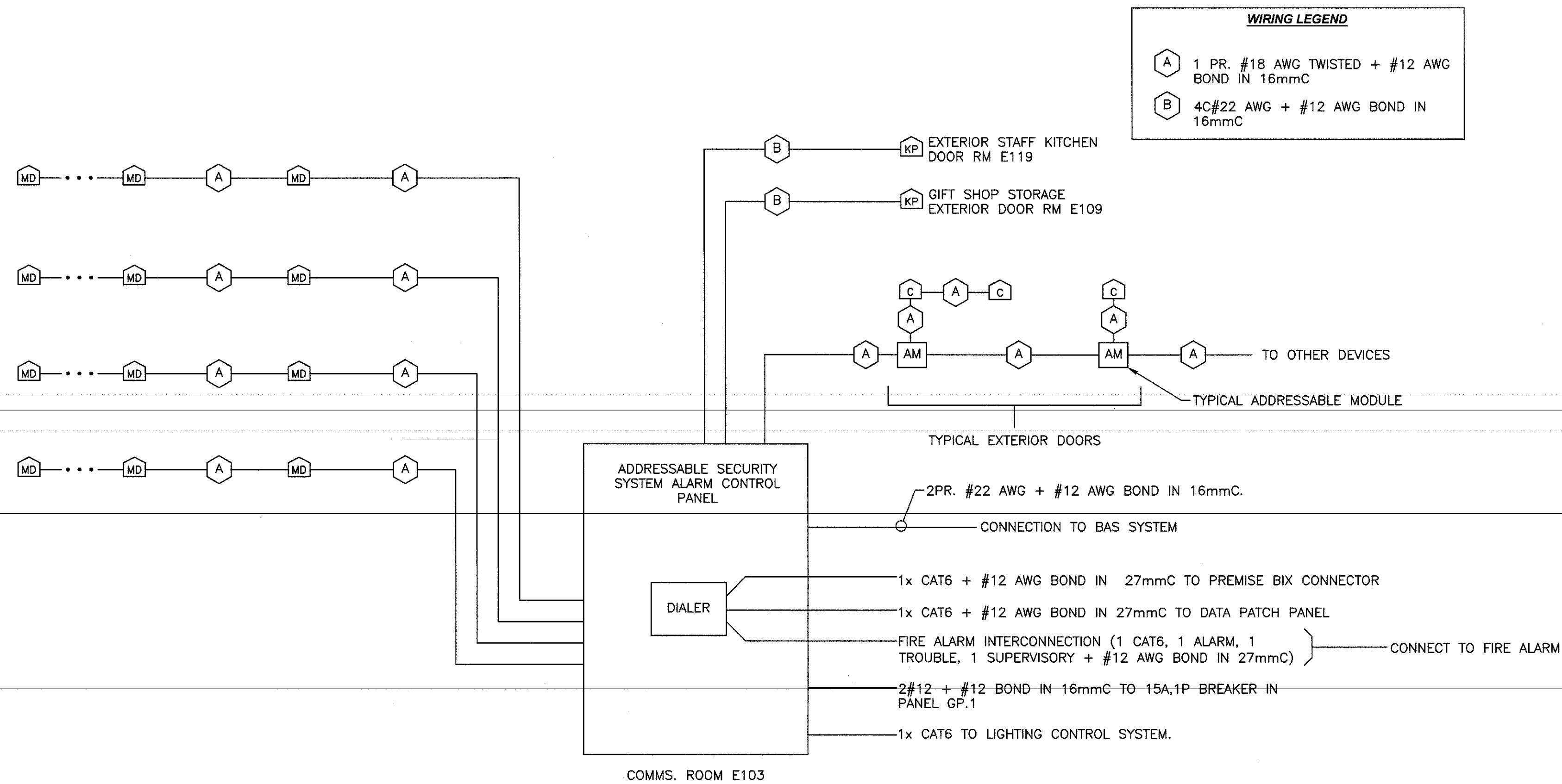


1	ISSUED FOR TENDER	08.15 2017
0	RS4 - 100% SUBMISSION	09.01 2017
revisions		date

project GREEN GABLES-PHASE 2
NEW VISITOR
CENTRE
QUEENS CO., PEI

drawing ELECTRICAL
desin SCHEMATICS

designed JAS conq
date MAR-2017
drawn SDC dessin
date JUL-2017
approved approuv
date
Tender Soumission
PWSC Project Manager Administrateur de projets TPS
project number no. du projet
R.081199.001
drawing no. no. du dessin
EG06 OF 7



DETAIL - INTRUSION DETECTION SYSTEM RISER DIAGRAM 1
SCALE : N.T.S. NOTES:

1. ALL WIRING TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
2. VERIFY EXACT LOCATION AND QUANTITY OF DEVICES ON FLOOR PLANS PRIOR TO CLOSE OF TENDER. RISER DIAGRAMS INDICATES TYPICAL WIRING ONLY.
3. ALL WIRING SHALL BE INSTALLED IN A CONDUIT SYSTEM.
4. WIRE MAXIMUM OF 15 SECURITY DEVICES PER 305m LOOP. ALL LOOPS SHALL BE AS EVENLY LOADED AS POSSIBLE.
5. ALL WIRING FOR ADDRESSABLE LOOPS SHALL BE 2PR.#18 + #12 BOND IN 16mmC.
6. LOCATE MOTION SENSORS MINIMUM OF 1830mm FROM ANY SUPPLY OR RETURN GRILL. COORDINATE WITH OTHER TRADES.

CROSS-CONNECT FIELD COLOUR-CODING

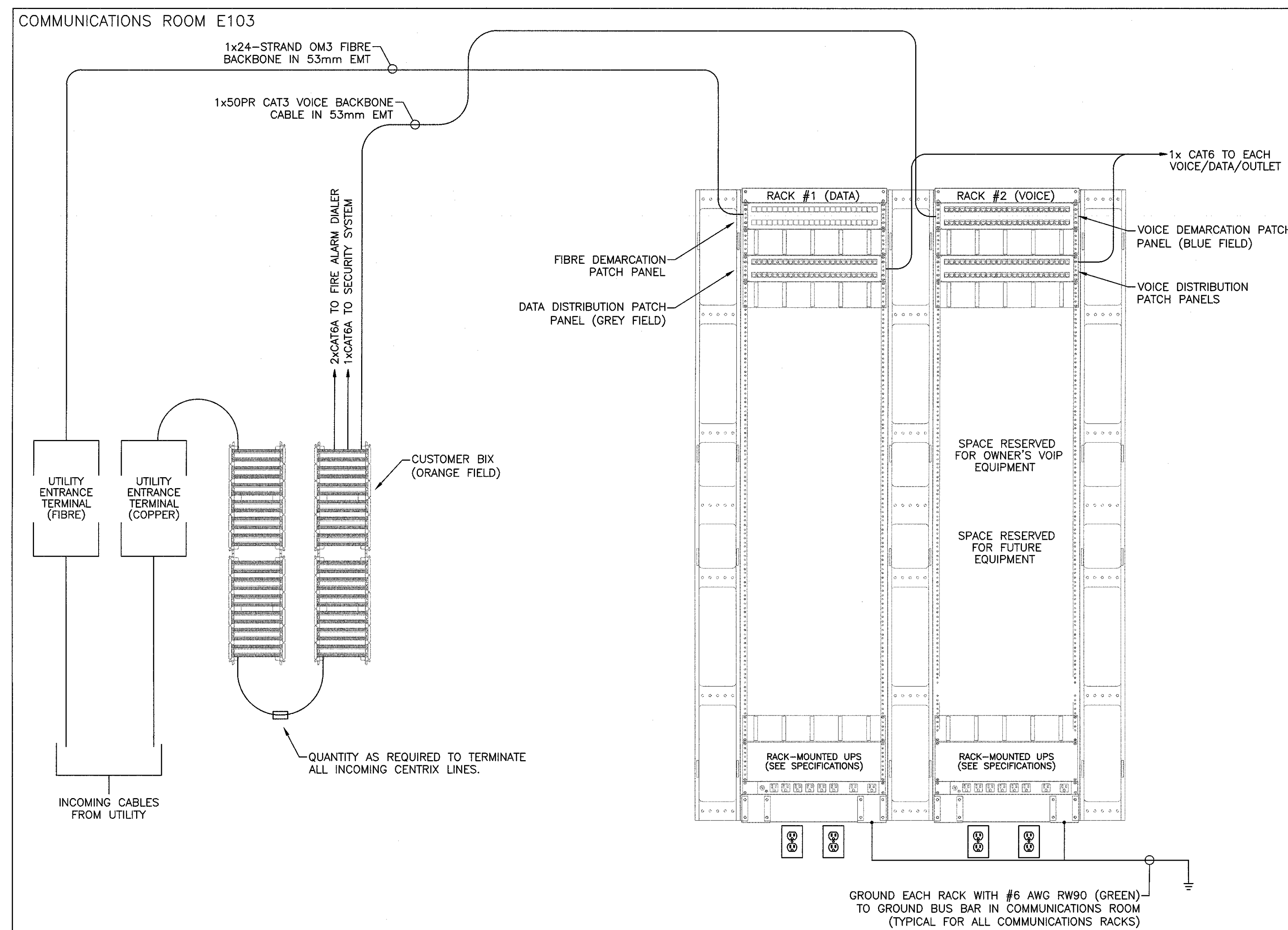
VOICE RISER	GREEN
VOICE HORIZONTAL DISTRIBUTION	BLUE
DATA HORIZONTAL DISTRIBUTION	GREY
AUXILIARY EQUIPMENT (DALCARD, ETC.) HORIZONTAL DISTRIBUTION	YELLOW

NOTES:

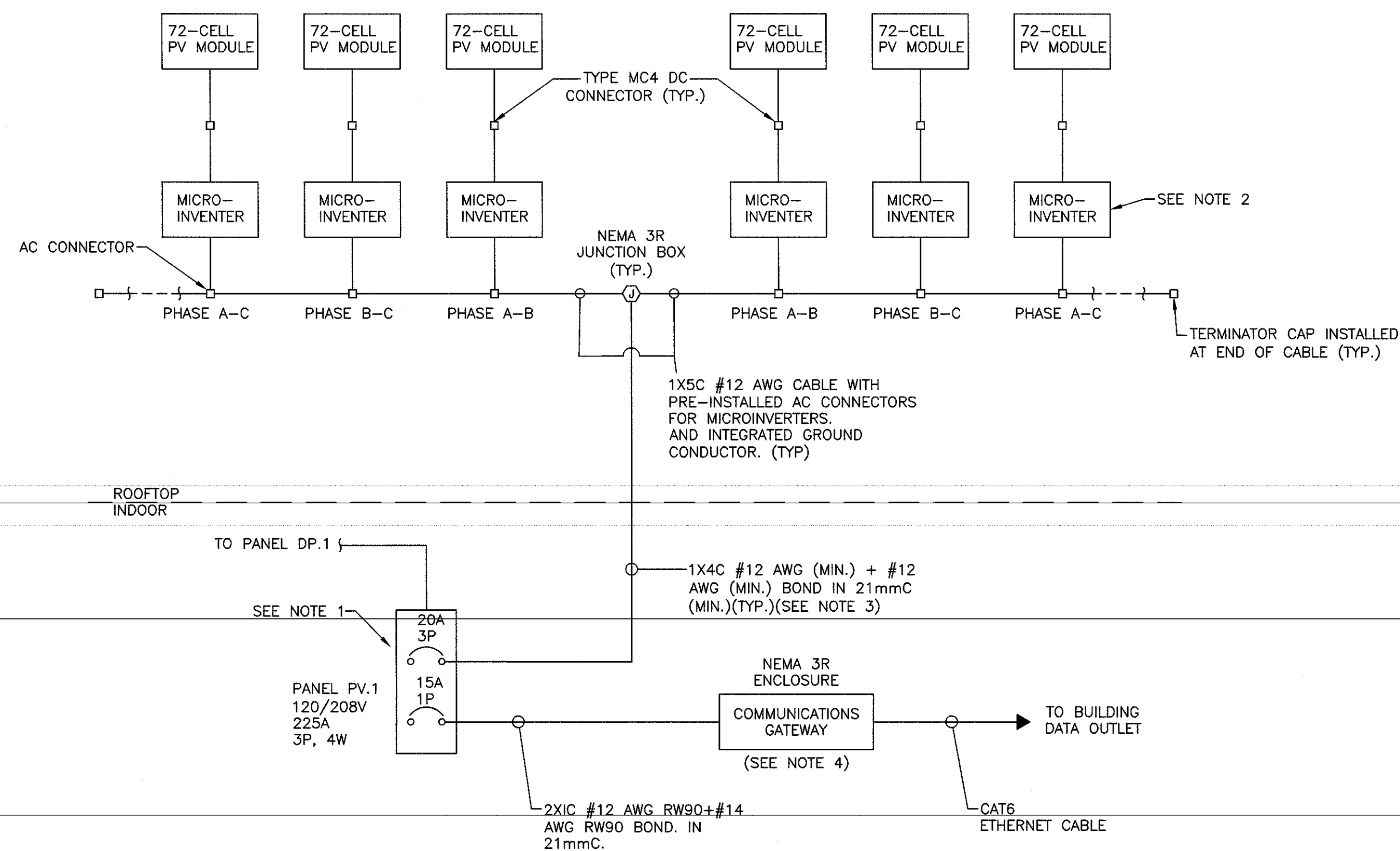
1. REFER TO RESPONSIBILITY MATRIX FOR TERMINATION REQUIREMENTS, TESTING REQUIREMENTS, PROVISION OF EQUIPMENT, ETC.
2. ALL COMMUNICATIONS CABLES ARE TO BE MINIMUM FT6 RATED, UNLESS INSTALLED ENTIRELY IN CONDUIT.
3. EQUIPMENT AND CABLING REQUIREMENTS FOR OTHER SYSTEMS ARE SHOWN ON THEIR RESPECTIVE RISER DIAGRAMS.

COMMUNICATIONS EQUIPMENT LEGEND

	48-PORT CAT6 PATCH PANEL, 2U
	48-PORT FIBER PATCH PANEL, 2U
	HORIZONTAL CABLE MANAGER, 2U
	EQUIPMENT RACK MOUNTED EQUIPMENT (TYPE AS INDICATED)
	8 RECEPTACLE RACK-MOUNTED POWER STRIP, 1U



DETAIL- COMMS RISER DIAGRAM 3
SCALE : N.T.S.



DETAIL - TYPICAL PV SYSTEM WIRING DIAGRAM 2
SCALE : N.T.S. NOTES:

1. SUPPLY AND INSTALL NEW 3P 20A BREAKERS, QUANTITY AS REQUIRED.
2. MAXIMUM NUMBER OF MICROINVERTERS PER 20A BRANCH CIRCUIT TO BE AS SPECIFIED BY EQUIPMENT MANUFACTURER.
3. SIZE AC BRANCH CIRCUIT WIRING AND CONDUIT AS REQUIRED TO MAINTAIN 2 PERCENT MAXIMUM VOLTAGE RISE/DROP.
4. COMMUNICATIONS GATEWAY TO UTILIZE POWER LINE COMMUNICATION PROTOCOL.