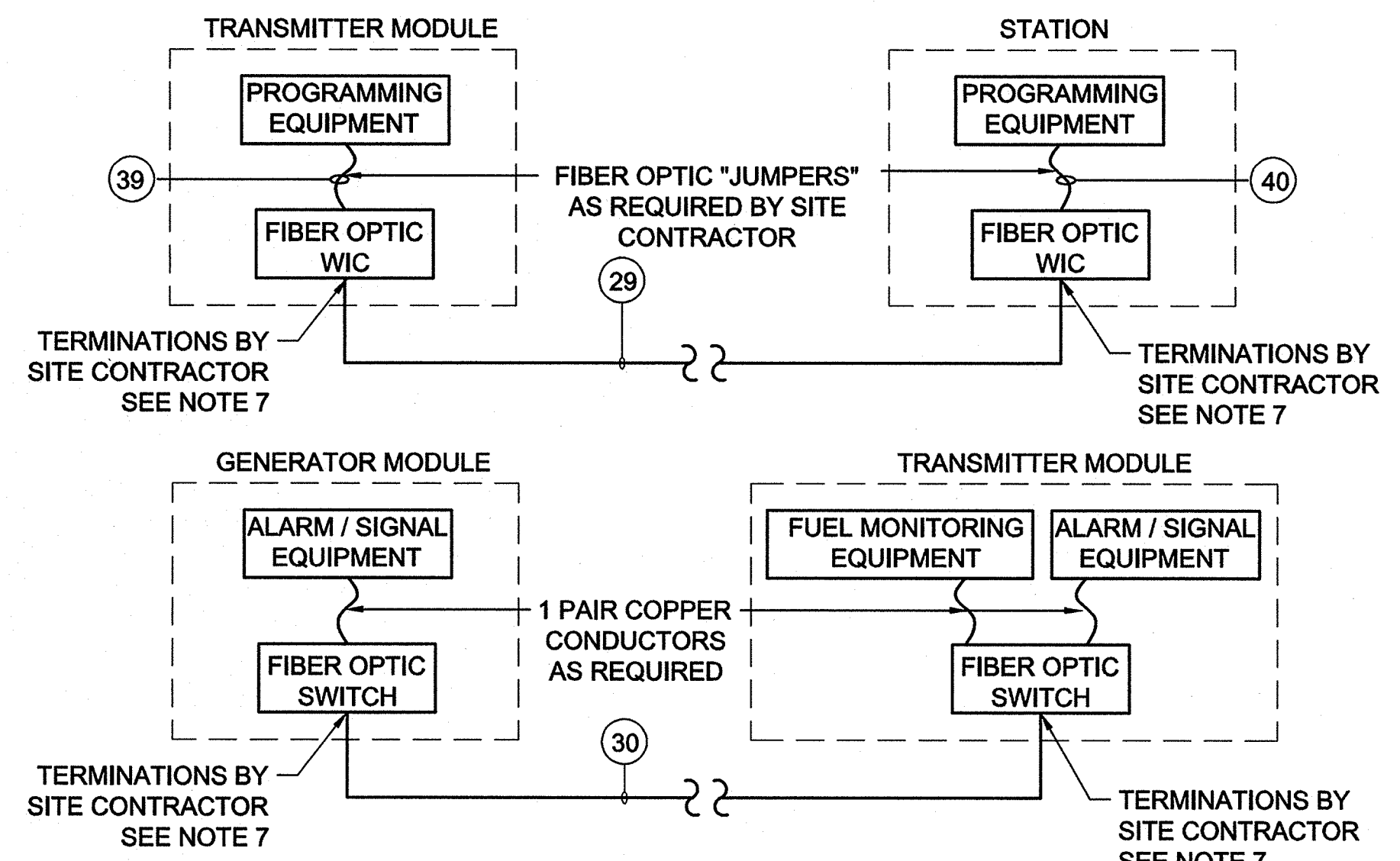


NOTES:

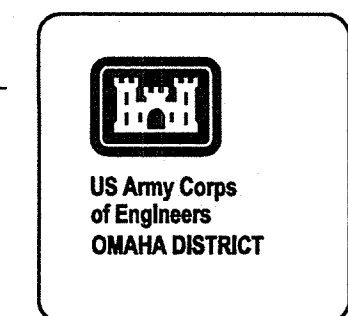
- ALL ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70) AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
- CONTRACTOR SHALL ROUTE A 25 PAIR OSP COMMUNICATION CABLE TO THE EXISTING COMMUNICATION BACKBOARD INSTALLING A NEW SURGE PROTECTED 66 BLOCK CIRCA TELECOM 2625QC-3B1E OR EQUAL WITH ANALOG GAS TUBE SURGE PROTECTORS IDENTIFYING CONDUCTORS TO BE UTILIZED FOR CROSS CONNECTION. ALL PAIRS SHALL BE TERMINATED TO THE 66 BLOCKS WITH UTILIZED PAIRS IDENTIFIED / NOTED. SEE NOTE 8 ON DRAWING E-105 AND SABRE INDUSTRIES DRAWING SKBR02 SHT 5-4 FOR UTILIZED PAIR NUMBERS.
- ALL INSTRUMENT / CONTROL CABLES SHALL BE INDIVIDUALLY SHIELDED DUE TO HIGH RF SIGNALS. SHIELDS SHALL BE BONDED AT THE CONTROLLER AND TAPED AT THE DEVICES. UNLESS SHOWN DIFFERENTLY BY MANUFACTURER TERMINATION DRAWINGS.
- SEE CONTROLLER SUPPLIER DRAWINGS FOR WIRING TERMINATIONS AND WIRING REQUIREMENTS. FUEL SYSTEM RISER DIAGRAM IS DIAGRAMMATIC CABLING SIZE AND QUANTITY MAY VARY DEPENDING ON FURNISHED EQUIPMENT REQUIREMENTS.
- ALL CONTACTS ARE SHOWN IN DE-ENERGIZED POSITIONS CONSIDERED "FAIL SAFE" WHICH WILL ALSO INDICATED AN ALARM STATE OF THE DEVICE.
- CONTRACTOR SHALL INSTALL WIRING FROM TERMINAL BLOCK TB-S IN THE SIMPLEX CONTROLLER TO THE OMNTEC ANNUNCIATOR.
- FIBER OPTIC FAN OUT KITS SHALL BE INSTALLED AT TERMINATION POINTS FOR FIELD TERMINATIONS. TYE-RAPS SHALL BE LEFT LOOSE AND LONG RADIUS LOOPS FORMED FOR ROUTING THE FIBERS WITHIN THE PANELS. CONNECTOR SHALL BE INSTALLED ON ALL FIBERS AND OPTICAL LOSE TEST PERFORMED ON THE SYSTEM AT A MINIMUM.

FIBER OPTIC RISER DIAGRAM



LEGEND:

- * DENOTES WIRE / CABLE ONLY WITHIN CONTROLLER / ENCLOSURE
- CABLE SHIELD TERMINATED TO GROUNDING POINT
- CABLE SHIELD SHOWN CUT AND TAPED NOT TERMINATED



Project Manager	
IC Reviewer	
Structural	
Mechanical	
Electrical	

ISSUED FOR CONSTRUCTION	11/7/12	Approved
Mark		

Designed by	SDU
Drawn by	SDU
Checked by	TCG
Reviewed by	
Date	2012

FEMA

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KBR Engineering Services by KBR Engineering Co., LLC

TRANSMITTER / GENERATOR ELECTRICAL RISER DIAGRAMS

Drawing Number:
E-402

