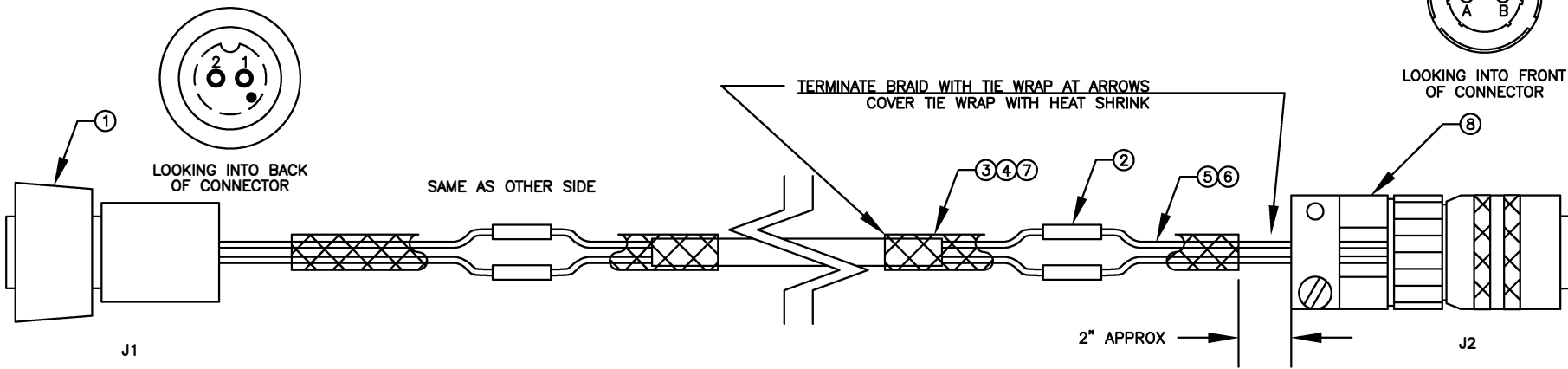


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	USE 16AWG PIGTAIL, SHORTEN BRAID	20180216	

NOTES
 ALL DIMENSIONS INCHES
 BUILD IN ACCORDANCE TO IPC/WHMA-A-620 CLASS 2 CABLE AND WIRE HARNESS ASSEMBLY STANDARDS
 EACH CONNECTOR IS CONNECTED VIA A FOOTLONG PIGTAIL OF EXTRA FLEXIBLE 18AWG WIRE BLK AND RED. COVER THE PIG TAIL WITH NYLON BRAID.
 TOTAL LENGTH OF ASSEMBLY SHOULD BE APPROXIMATELY 12 FT (10 FT 14AWG SECTION AND 1 FOOT PIGTAIL ON BOTH ENDS).
 USE A LAP SOLDER SPLICE TO JOIN PIGTAIL TO THE MAIN CONDUCTOR COVER EACH SPLICE WITH ADHESIVE LINED HEATSHRINK
 TERMINATE THE NYLON BRAID WITH A TIE WRAP AND HEAT SHRINK AT THE LOCATIONS SHOWN
 APPLY LOCTIGHT 425 TO ALL THREADED BACKSHELL CONNECTIONS
 SECURE BACKSHELL TO J1 BY MATING TO CONNECTOR 5182-2PG-3XX AND APPLYING 10 INCH/LB TORQUE.
 SECURE BACKSHELL TO J2 BY MATING TO CONNECTOR PTB10-2PS AND APPLYING 35 INCH/LB TORQUE.



8	2 POSITION CIRCULAR CONNECTOR PLUG, FEMALE SOCKET SOLDER CUP GOLD	AMPHENOL	PT06E-10-2S(SR)	1
7	CABLE, 14 AWG, 2 COND, VNTC	ANIXTER	2A-1402	1
6	WIRE, 16AWG, UL1015/1335 HOOKUP WIRE, RED	GENERAL CABLE / CAROL BRAND	C76512.18.03	2
5	WIRE, 16AWG, UL1015/1335 HOOKUP WIRE, BLACK	GENERAL CABLE / CAROL BRAND	C76512.18.01	2
4	HEAT SHRINK ADHESIVE LINED BLACK	??	??	4
3	BRAIDED SLEEVING 0.250", BLACK POLYAMIDE MONOFILAMENT	TECHFLEX	NMNO.25BK	2
2	ADHESIVE LINED HEATSHRINK TO COVER INDIVIDUAL SPLICE	??	??	4
1	CONNECTOR, 2 COND SOCKET, CABLE END	CONXALL	3182-2SG-3XX	1
FIND_ID	NAME	MANUFACTURER	PART_NUMBER	Count

BILL OF MATERIALS

WIRING DIAGRAM		
J1	WIRE COLOR CODE	J2
1	BLACK	A
2	RED	B

NIFC-NIICD
 NFES 4080 SOLAR KIT
 CABLE ASSEMBLY
 REPEATER CABLE 120

SIZE	ORIG CODE	IN CODE	NIFC DWG NO.	REV
F	XXXXX	XXXXX-B180	40024	1

SCALE: NONE SHEET 01 OF 01