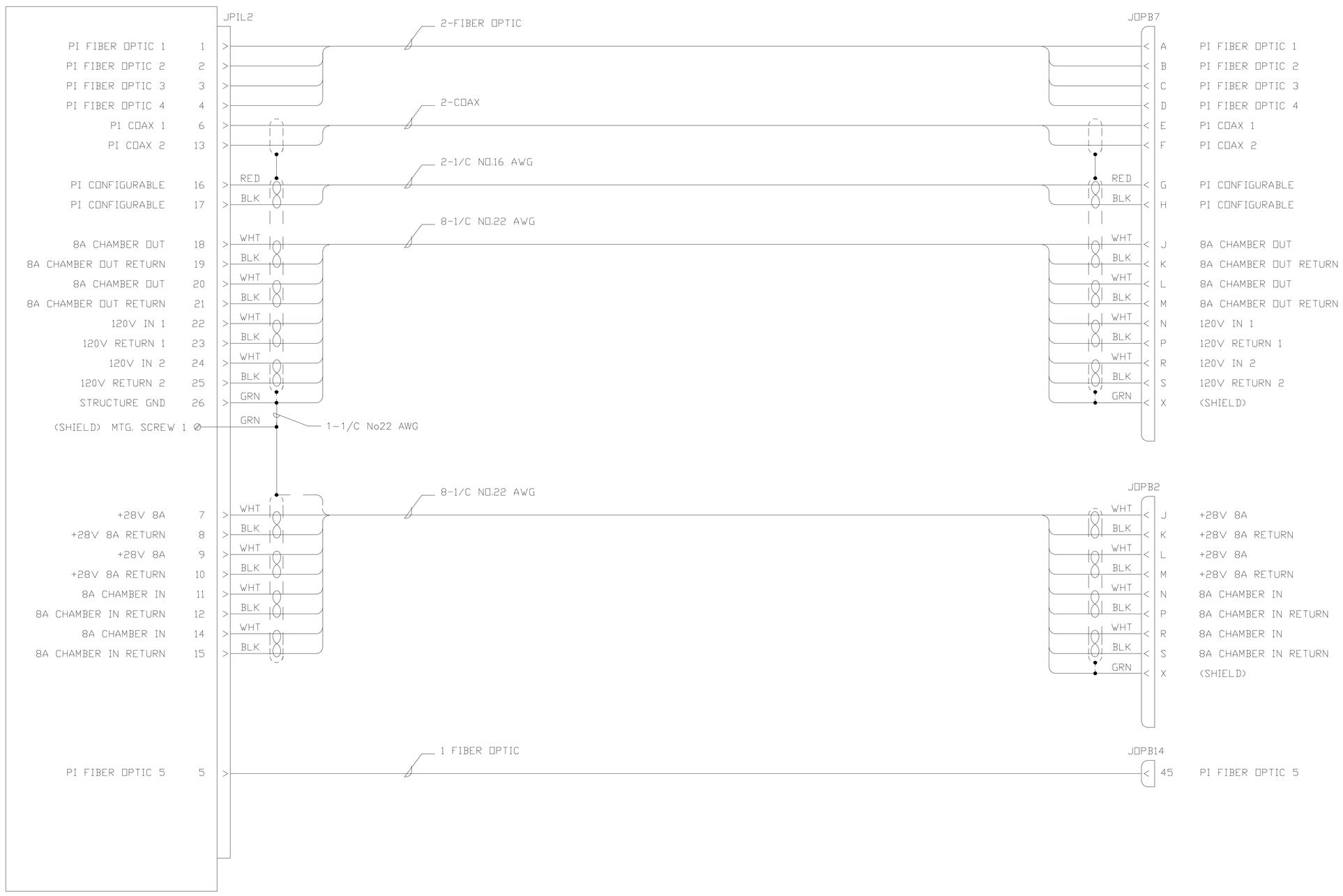

MATERIAL BLOCK		
SYMBOL	MANUFACTURE TYPE	MIL-NO.
JPIL2	DSXNIR -S26S-6301	
JPIL2 CONTACTS	M39029/ 12-150	
JOPB2	D38999/ 24FH21PA	
JOPB2 CONTACTS	M39029/ 58-364	
JOPB7	D38999/ 24FH21SB	
JOPB7 CONTACTS	M39029/ 56-352	
JOPB14	M22759 -S26S-S26S -6301	
JOPB14 CONTACTS		
NO.22 AWG WIRE	M22759 /12-22-*	
NO.16 AWG WIRE	M22579 /12-16-*	
FIBER OP CABLE	TBD	
COAX CABLE	M17/94-RG179	
SHIELD	TBD	

CABLE TIES SHALL BE IN ACCORDANCE WITH NSTS 22648 FOR FLAMMABILITY AND OUTGASSING REQUIREMENTS.

MOUNTING CLAMPS SHALL BE PANDUIT NO.MBMS-S10-C,AL SHEET PER FED SPEC QQ-A-250/2,3003 H0144 OR FABRICATED TO AL SHEET PER FED SPEC QQ-A-250/11,6061 T6.

* COLORS AS REQUIRED.
** WIRE AWG INDICATED

1. FOR SCHEDULE OF DRAWINGS, SEE DRAWING NO. 67212EEAA000
2. FOR ASSEMBLY DRAWING, SEE DRAWING NO. 67212MELMTBD
3. FABRICATE INTERCONNECTION CABLE, HARNESSING, AND WIRING PER NASA-STD-8739.4.
4. CRIMP CONNECTIONS PER NASA-STD-8739.4 OR APPROVED EQUIVALENT.
5. ALL CABLES AND HARNESSES SHALL BE INSPECTED AND TESTED PRIOR TO CONNECTION PER TBD AND NASA-STD-8739.4.
6. CABLES SHALL BE IDENTIFIED PER NASA-STD -8739.4 AT EACH CONNECTOR AND AT 50mm INTERVALS ALONG THE CABLE.
7. FOR CONNECTORS WITH BACKSHELLS, TERMINATE SHIELDS IN BACKSHELLS PER NASA-STD-8739.4.
8. FOR CONNECTORS WITHOUT BACKSHELLS, TERMINATE SHIELDS USING COLLECTOR/ COMPRESSION RINGS PER NASA-STD-8739.4.
9. CABLES SHALL BE ROUTED AND SECURED PER NASA-STD-8739.4. USE PANDUIT TY-DOWN PADS AND HALAR (P/N PLT2$-C702) CABLE TIES FOR SECURING CABLES AT INTERVALS NOT EXCEEDING 150mm. PANDUIT TY-DOWN PADS SHALL BE SECURED IN PLACE USING SCOTCH 4930 DOUBLE COATED ACRYLIC FOAM AND A BEAD OF SCOTCHWELD 2216 AROUND THE PERIMETER OF THE PANDUIT TY-DOWN PAD.

AUTHORIZED by CM when under FORMAL Configuration Control

CHG	ZONE	DESCRIPTION	APP/DATE
		REVISIONS	

PROJECT CIR
ANALEX
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES

TOLERENCE ON	
.X	+/-
.XX	+/-
.XXX	+/-
FRACTION	+/-
ANGULAR	+/-
SOFTWARE: AUTOCAD 2000	

National Aeronautics and Space Administration
John H. Glenn Research Center
Lewis Field
Cleveland, Ohio
CONTRACT NUMBER: NAS3-99155

APPROVALS			
PROJECT LEAD	ANALEX/MD TODLE		
ELECTRICAL LEAD	ANALEX/S.LAWYER		
ELECTRICAL ENGINEER	ANALEX/J.SHIVAK		
CHECKER	X		
DESIGNER	ANALEX/A.JOHNSON		
MAT'L PROC.	X		
CONFIG. MGT	X		

FILE NAME: 67212EECH150-14.DWG

FDC FEDERAL DATA CORPORATION

DRAWING NAME
OPTICS BENCH P1L2
INTERNAL INTERCONNECTION DIAGRAM

FLUIDS COMBUSTION FACILITY

SIZE	CAGE CODE	DRAWING NUMBER	REV.
E	X	67212EECH150	1

SCALE: NONE | RELEASE DATE 10/18/00 | SHEET 18 OF 18