


DWG LOCATION : C:\CAD FILES\4100\Field Wiring\ PLOT DATE : 07/09/01 13:16
 RE-PLOT DATE :

DWG NAME : 841-731-01.dwg
 DWG DATE : 07/09/01 12:28

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	SHEET															1
	INDEX _____ 1															
2	GENERAL 4120 NETWORK FIELD WIRING GUIDELINES AND PRECAUTIONS _____ 1B															
	STYLE B (CLASS B) MONITOR ZONE TERMINATIONS _____ 2															
	ADDRESSABLE MAPNET _____ 3															
	SUPERVISED SIGNAL CIRCUIT _____ 4															
3	8 PT AUX RELAY _____ 5															
	4100 MINIPLEX WIRING _____ 6															
	4120 NETWORK, FIBER OPTIC COM. _____ 7															
4	DUAL RS232/2120 COMM. _____ 8															
	RS232 INTERFACE CONNECTIONS _____ 8															
	DUAL RS232/2120 COMM. _____ 8A															
	RS232 INTERFACE CONNECTIONS _____ 8A															
	POWER SUPPLY 0157A CONNECTION VARIATIONS _____ 9															
5	POWER SUPPLY 0157A CONNECTION VARIATIONS _____ 10															
	4100A - FIP _____ 11															
	AS 4428 CPU BAY INTERCONNECTIONS _____ 11															
6	NOTES:															
	3. THE FOLLOWING CIRCUITS: INITIATING RELAYS MUST NOT LEAVE THE BUILDING OF ORIGIN UNLESS THE APPROPRIATE CONDITIONS ARE MET:															
7	A. UNDERGROUND WIRING: RUN IN A SEPARATE PARALLEL WIRING TROUGH FROM ANY COMMERCIAL POWER DISTRIBUTION WIRING.															
	B. OVERHEAD WIRING: 1) THE CIRCUITS ARE PROTECTED FROM LIGHTNING BY UTILIZATION OF THE MODEL 2081-9027 OR -9028 LISTED ISOLATED LOOP CIRCUIT PROTECTORS; 2) THE OUTSIDE PLANT WIRING IS LIMITED TO ONE CONTIGUOUS PROPERTY AND THE TOTAL WIRE LENGTH DOES NOT EXCEED 1 KM (3270 FEET); 3) THE CIRCUIT WIRING MUST BE RUN ON SEPARATE POLES FROM THOSE SUPPORTING ANY COMMERCIAL POWER DISTRIBUTION WIRING. THE CIRCUIT WIRING MUST BE RUN IN PARALLEL WITH TO THE COMMERCIAL POWER DISTRIBUTION WIRING AND BE SEPARATED BY A MINIMUM DISTANCE OF (WHICHEVER IS GREATER) 100 FEET, OR THE MAXIMUM SPAN BETWEEN ANY TWO ADJACENT POLES OF EITHER THE SYSTEM'S CIRCUIT OR THE COMMERCIAL POWER DISTRIBUTION CIRCUIT.															
8	2. ALL RELAY CIRCUITS : POWER MUST ORIGINATE FROM A POWER SUPPLY LISTED FOR FIRE PROTECTIVE SIGNALLING USE OR FROM THE 4100/UT POWER SUPPLY IF THE RELAY CIRCUITS ARE TO BE RUN AS POWER-LIMITED CIRCUITS. AC LOADS ARE NOT POWER LIMITED.															
9																
10																
11																

SIZE	A		DWG NO.	841-731	REV.	AP
REV	EDD	DATE	CHK			
AH	SK920	11/14/95	TR			
AJ	SL103	8/9/96	PM			
AK	SL267	5/9/96	TR			
REDRAWN						
AL	SL393	02/18/97	AS			
AM	SL682	06/26/97	AS			
AN	SM023	01/09/98	TR			
AP	SM065					

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHECKED
A	ISSUED FOR GENERAL INFORMATION	01/08/01	G.Fiala	
REFERENCE DRAWINGS - TITLES				
1	84173101 - FIELD WIRING DIAGRAM			
2				
3				



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IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO VERIFY OVERALL DIMENSIONS, CABLE ENTRIES AND SITE ACCESS FOR THE POSITIONING OF ALL EQUIPMENT.

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DESIGNED	G.Fiala	CLIENT		DRAWING NUMBER	841A-731-01			
DRAWN	MVL	DRAWING TITLE	4100 FIELD WIRING DIAGRAM					
CHECKED							SHEET SIZE	ISSUE
DATE	01/08/01						A4	A
SCALE	NTS	PROJECT	FIELD WIRING DIAGRAM	DRAWING STATUS	INTERNAL			
				FOREIGN NUMBER	84173101			

PRO/E CONTROLLED
 DRAWING DATABASE NAME: DB41731 REV.12
 FILE PATH: /4100/L310/NS