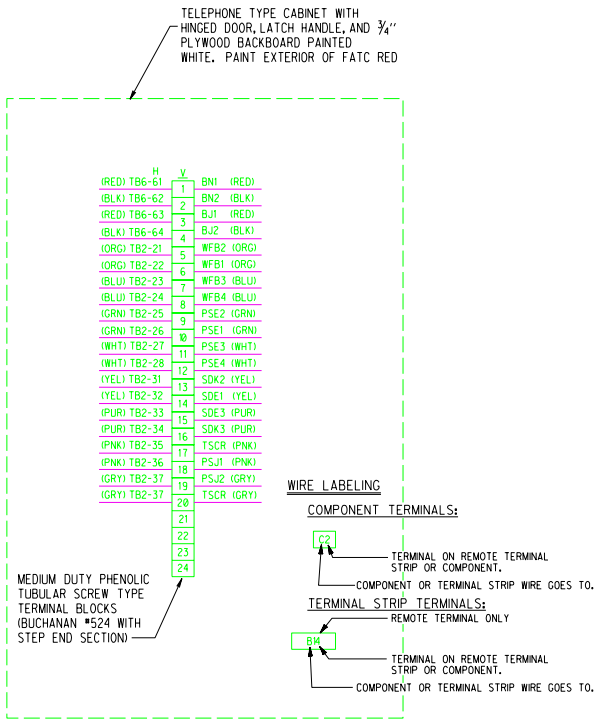
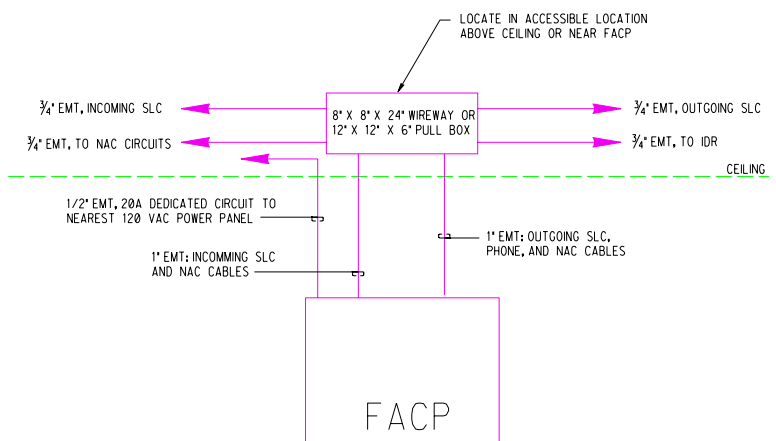


SAMPLE WIRING DIAGRAM FIRE ALARM TERMINAL CABINET (FATC)

SCALE: NTS

FIRE ALARM SYSTEM WIRING COLOR CODE

CIRCUIT TYPE	DESCRIPTION	COLOR CODE	WIRE TYPE
AC POWER	HOT NEUTRAL GROUND	PHASE A - BLACK PHASE B - RED PHASE C - BLUE WHITE GREEN	#12 AWG THHN SOLID COPPER
BATTERY	POSITIVE (+) NEGATIVE (-)	RED BLACK	#12 AWG THHN SOLID COPPER OR AS SPECIFIED BY THE FACP MANUFACTURER
NOTIFICATION APPLIANCE CIRCUIT (NAC)	POSITIVE NEGATIVE	RED BLACK	2 CONDUCTOR TWISTED SOLID #14 AWG UNSHIELDED FIRE ALARM CABLE OR #14 AWG THHN SOLID COPPER
SIGNAL LINE CIRCUIT (SLC)	POSITIVE NEGATIVE	RED BLACK	2 CONDUCTOR TWISTED SOLID #16 AWG UNSHIELDED FIRE ALARM CABLE
INITIATING DEVICE CIRCUIT (IDC) (FOR HONEYWELL DGP FIRE ALARM SYSTEMS ONLY)	ZONES 1, 5, 9, 13, 17....	(+) ORANGE (-) BLUE	#16 AWG TFN SOLID COPPER (#14 AWG THWN SOLID COPPER WHEN INSTALLED IN UNDERGROUND CONDUITS.)
	ZONES 2, 6, 10, 14, 18....	(+) GREEN (-) WHITE	
	ZONES 3, 7, 11, 15, 19....	(+) YELLOW (-) PURPLE	
	ZONES 4, 8, 12, 16, 20....	(+) PINK (-) GREY	
CONTROL CIRCUITS	POSITIVE NEGATIVE	RED BLACK	#12 AWG THWN SOLID COPPER
DACT TELEPHONE CIRCUIT			2 PR. #24 SOLID COPPER TELEPHONE PREMISES CABLE
FACP NETWORK CIRCUIT			WIRING SPECIFIED BY THE FACP MANUFACTURER
ANNUNCIATOR CIRCUIT			WIRING SPECIFIED BY THE FACP MANUFACTURER



FIRE ALARM CONTROL PANEL MOUNTING DETAIL

SCALE: NTS

REFERENCE DRAWING FOR DESIGNERS.

DO NOT ISSUE FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DWN	CKD	APP
	6/15/02	FA MODS	EG	PS	
	6-15-01	UDS MODS	EG	FL	
A	8/2000	UPDATE			

P.O.
PROJECT NO.

U.S. DEPARTMENT OF ENERGY

KIRTLAND AREA OFFICE — ALBUQUERQUE, NEW MEXICO

SANDIA NATIONAL LABORATORIES

INSTALLATION DETAILS

FIRE ALARM SYSTEM

FIRE PROTECTION — STANDARD

P.O.	F06772
PROJECT NO.	
DRAWN BY	TLM
CHECKED BY	
SNL ENGR	
DATE	1/24/2000
SIZE	D+
DRAWING NO	FA5003STD
SEQ.	

MICROSTATION FILE

FILE NAME: fa5003STD.dgn

REFERENCE FILES: BORDER3.dgn

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