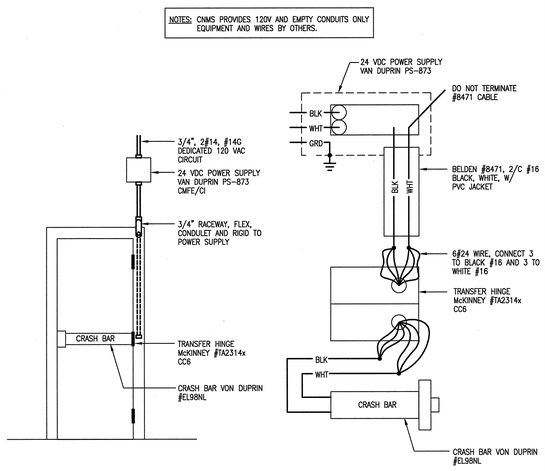
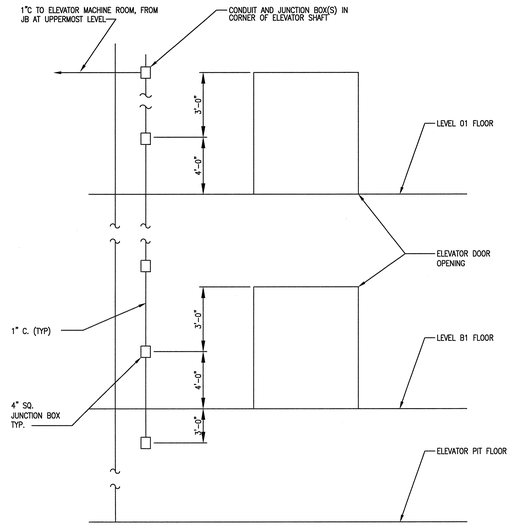
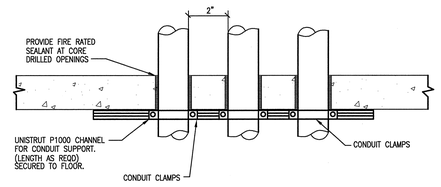


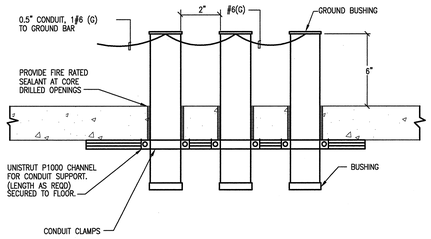
10 E8.11.42 PPS OR SECURITY DOOR RACEWAY DETAIL AND WIRING DIAGRAM
SCALE: NOT TO SCALE



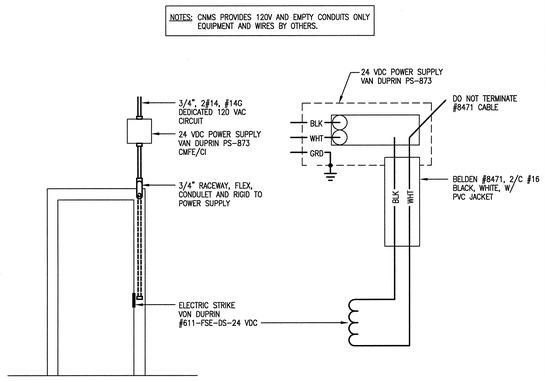
7 – ELEVATOR CONTROL CONDUIT
SCALE: NOT TO SCALE



4 – CONDUIT SLEEVE PENETRATION DETAIL
SCALE: NOT TO SCALE



1 – CONDUIT SLEEVE PENETRATION DETAIL
SCALE: NOT TO SCALE



11 E8.11.42 PPS OR SECURITY DOOR RACEWAY DETAIL AND WIRING DIAGRAM
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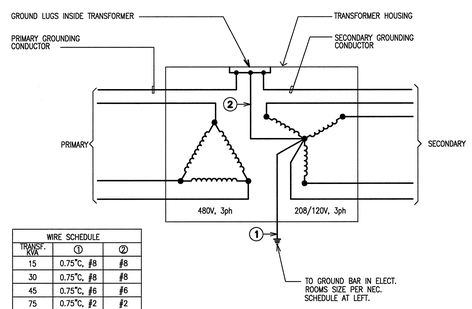
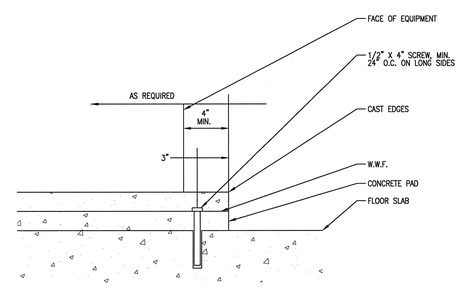
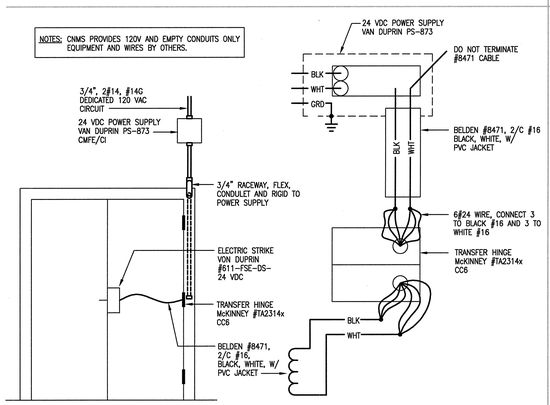


WIRE SCHEDULE		
TRANSF. KVA	1	2
15	0.75"C, #8	#8
30	0.75"C, #8	#8
45	0.75"C, #6	#6
75	0.75"C, #2	#2
112.5	1"C, #1/0	#1/0
150	1"C, #1/0	#1/0
225	1"C, #2/0	#2/0
300	1"C, #3/0	#3/0

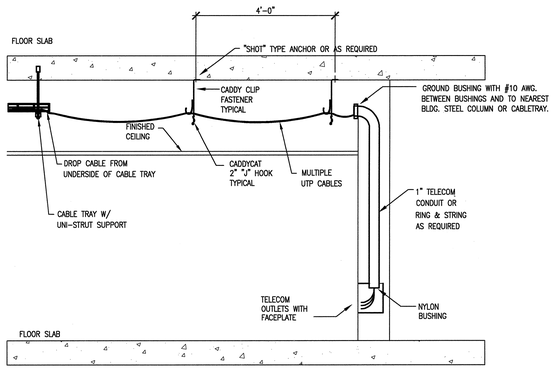
8 – TRANSFORMER GROUNDING SCHEMATIC DIAGRAM
SCALE: NOT TO SCALE



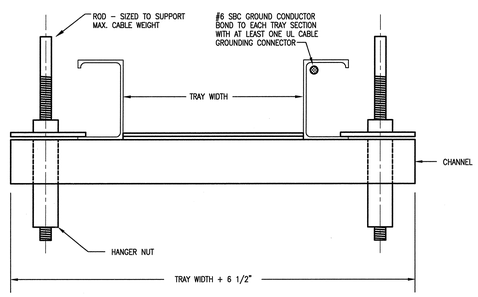
5 – HOUSEKEEPING PAD
SCALE: NOT TO SCALE



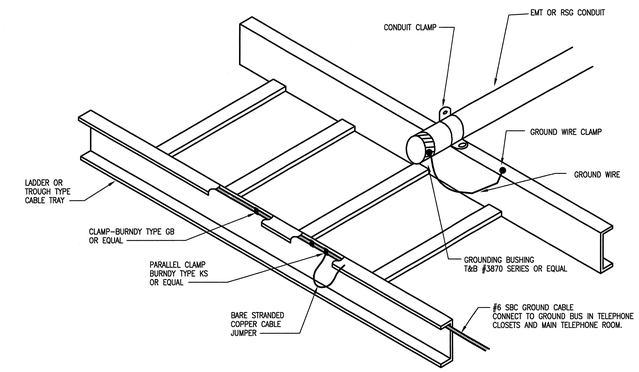
12 E8.11.42 PPS OR SECURITY DOOR RACEWAY DETAIL AND WIRING DIAGRAM
SCALE: NOT TO SCALE



9 – TYPICAL VOICE/DATA WALL OUTLET CABLE PATH
SCALE: NOT TO SCALE



6 – CABLE TRAY MOUNTING
SCALE: NOT TO SCALE



3 – CONDUIT TRAY GROUNDING
SCALE: NOT TO SCALE

ORNL DRAWING NUMBER:

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CENTER FOR NANOPHASE MATERIALS SCIENCES
GENERAL ELECTRICAL DETAILS

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NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM
ENGINEERING PROCEDURE

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REGISTER NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
0	–	–	–	CERTIFIED FOR CONSTRUCTION 12/9/02	CR	VGS											VGS	106009		RZ	AW	BWJ	AK	IM	DM	–	BWJ	–	TW

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: VICTOR G. STEFFEN, REGISTERED ENGINEER, No. 0010005, STATE OF TENNESSEE — REV. 0 DATE 12/9/02

DSN	C. RUNNG	12/09/02
DRW	L. MAKOVSKY	12/09/02
CHK	V. STEFFEN	12/09/02
DEPT		
PE	CLG	1/24/03
PJ	JS	1/24/03
REQ		1/24/03
UTB		

DRAWING APPROVALS

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8610		1	1	P	U
51		52		53	A/E DRAWING NUMBER:					REV
NC		NA			E8.11.42					0

AutoCAD
Date: 01/15/2002 Time: 15:55:04
DGN: C:\ACLDPROJECTS\7000\08J000\08J_JB\08J_PLOT\U-01-01.DWG