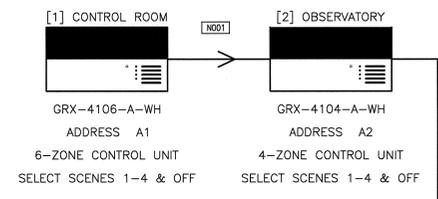


LOCK-OUT NOTE:
ALL STAGE CONTROL STATIONS SHALL BE LOCKED OUT UPON ENERGIZATION OF LIGHTING CONTROL CONSOLE.

1 LIGHTING CONTROL SINGLE LINE DIAGRAM FOR AUDITORIUM LIGHTING
SCALE: NONE (SEE NOTE 6)

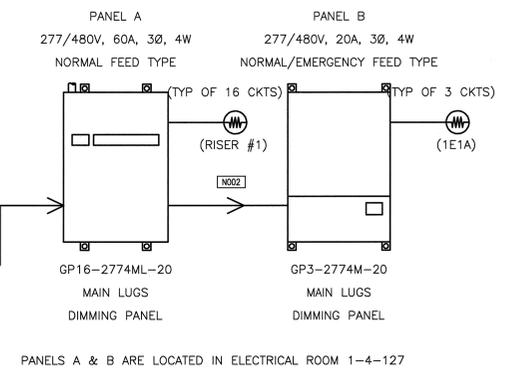


EXACT LOCATION FOR ALL CONTROL DEVICES TO BE COORDINATED IN FIELD WITH ARCHITECT & OWNER

2 LIGHTING CONTROL SINGLE LINE DIAGRAM FOR CONTROL ROOM LIGHTING
SCALE: NONE (SEE NOTE 7)

- LIGHTING SYSTEM NOTES:**
- ALL DEVICES PROVIDED BY STAGE LIGHTING MANUFACTURER UNLESS NOTED OTHERWISE.
 - ALL LOAD CIRCUITS ARE TWO WIRE: NO SHARED NEUTRALS ARE PERMITTED.
 - TYPICAL DIMMING SYSTEM ALLOWS FOR 80% LOADING OF 2.4KW ON 20A. CIRCUITS.
 - CONTROL WIRING REQUIREMENTS VARY GREATLY AMONG MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL OBTAIN CONTROL WIRING REQUIREMENTS FROM STAGE LIGHTING MANUFACTURER PRIOR TO BID.
 - ALL CONTROL WIRING RUNS SHALL BE CONTINUOUS AND WITHOUT BREAKS OR SPLICES.
 - ALL FLUORESCENT DIMMING BALLASTS BY ADVANCE SERIES-MARK X. REFER TO LIGHTING CONTROL SCHEDULE FOR EXACT NUMBER OF DIMMERS.
 - ELECTRONIC THEATRE CONTROLS (ETC) REGIONAL REPRESENTATIVES: (WESTERN REGION) LAKESIDE DIMMING, CONTACT: BOB TAYLOR (901)475-0527 (EASTERN REGION) MALCOM MIMS & ASSOCIATES, CONTACT: RON GASSER (615)329-3041
 - THE DIMMING SYSTEM IS LUTRON.

- KEYED NOTES:**
- N001 1 TWISTED/SHIELDED PAIR #18 (1.0 MM)² AND 3 #18 (1.0 MM)²
 - N002 1 TWISTED/SHIELDED PAIR #18 (1.0 MM)² AND 2 #12 (2.5 MM)²

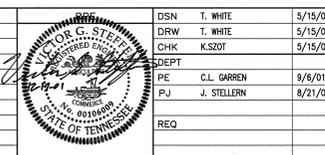


PANELS A & B ARE LOCATED IN ELECTRICAL ROOM 1-4-127

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR OCCURRENCE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDERS ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
1		CERTIFIED FOR CONSTRUCTION - 12/20/01	TLW	KJS													
0		CERTIFIED FOR CONSTRUCTION - 5/15/01	TLW	KJS													

REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
1		CERTIFIED FOR CONSTRUCTION - 12/20/01	TLW	KJS													
0		CERTIFIED FOR CONSTRUCTION - 5/15/01	TLW	KJS													



DSN	T. WHITE	5/15/01
DRW	T. WHITE	5/15/01
CHK	K.SZOT	5/15/01
DEPT		
PE	C.L. GARREN	9/8/01
PJ	J. STELLERN	8/21/01
REQ		

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UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC - Oak Ridge, Tennessee

PROJECT NAME:
SPALLATION NEUTRON SOURCE
CENTRAL LAB AND OFFICE BUILDING
ELECTRICAL LIGHTING
SINGLE LINE DIAGRAMS

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8600		1	1	S	U
REV	DATE	UTB	J.R. LAWSON	9/25/01	51	52	53	WBS	1.8.3.14	E9.21.55
					NC	NA				1