MOTOR CONTROL MCC "TA-3MCC5" SCHEDULE (HIGH BAY)

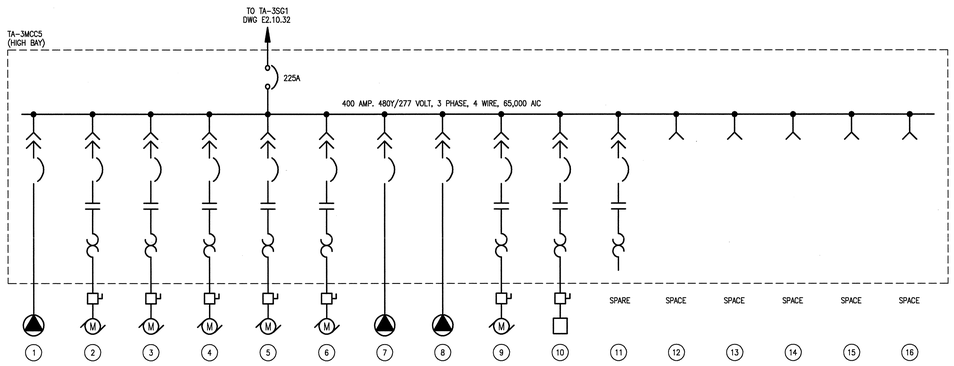
CIRCUIT NUMBER	LOAD: EQUIPMENT NUMBER	LOAD: NAME PLATE	LOAD: LOAD HP	LOAD: F.L. AMPS (NOTE 2)	CIRCUIT BREAKER: # OF POLES	CIRCUIT BREAKER: FRAME SIZE	CIRCUIT BREAKER: TRIP	MOTOR CIRCUIT PROTECTOR (MCP) RATING	MOTOR STARTER (SEE NOTES 1, & 2): NEMA SIZE (NOTE 6)	MOTOR STARTER: OVERLOAD RELAY	MOTOR STARTER: INDICATOR LIGHT (NOTE 5)	MOTOR STARTER: AUX CONTACTS NO	MOTOR STARTER: AUX CONTACTS NC	MOTOR STARTER: CONTROL DEVICES (NOTE 3)	FEEDER CIRCUIT: FEEDER (AWG) (NOTE 4)	FEEDER CIRCUIT: GROUND WIRE (AWG)	FEEDER CIRCUIT: CONDUIT SIZE (INCH)	LOCAL SWITCH: DISC. SIZE (AMPS)	LOCAL SWITCH: FUSE AS REQD. (AMPS)	REMARKS
1	TA-1WR	WELDING RECPT. RM. TA-413	25	34	3	100	60	--							6	10	1	–	–	REFER TO NOTES 1 THRU 6 U.O.N (TYP)
2	VACP-2534A	CORE VESSEL HIGH VAC PP	7.5	11	3	–	–	15	1	SOLID STATE	R-G-A	2	2	H-O-A	12	12	3/4	30	UNFUSED	
3	TA-SO-01	INTER CELL SHILD DOOR MOTOR	1	2.1	3	–	–	3	1	SOLID STATE	R-G-A	2	2	H-O-A	12	12	3/4	30	UNFUSED	
4	VACP-2534B	CORE VESSEL HIGH VAC PP	7.5	11	3	–	–	15	1	SOLID STATE	R-G-A	2	2	H-O-A	12	12	3/4	30	UNFUSED	
5	TA-CIR-01	MODERATOR SYS-CIRCULATOR	1.5	3	3	–	–	7	1	SOLID STATE	R-G-A	2	2	H-O-A	12	12	3/4	30	UNFUSED	
6	TA-CIR-01B	MODERATOR SYS-CIRC.(STD BY)	1.5	–	3	–	–	7	1	SOLID STATE	R-G-A	2	2	H-O-A	12	12	3/4	30	UNFUSED	
7	TA-1WR	WELDING RECPT. RM. TA-210	25	34	3	100	60	–							6	10	1	–	–	
8	TA-1WR	WELDING RECPT. RM. TA-210	25	34	3	100	60	–							6	10	1	–	–	
9	TA-XRF-01	MOD SYS - DAPH. XFR PUMP	7.5	11	3	–	–	15	1	SOLID STATE	R-G-A	2	2	H-O-A	12	12	3/4	30	UNFUSED	
10	TA-BCSW-01	50 TON BRIDGE CRANE-SW	50	65	3	–	100	–							4	8	1-1/2	100	UNFUSED	THERMAL-MAGNETIC CIRCUIT BREAKER
11		SPARE						50	2	SOLID STATE	R-G-A	2	2	H-O-A						
12		SPACE																		
13		SPACE																		
14		SPACE																		
15		SPACE																		
16		SPACE																		

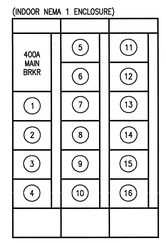
TOTAL HP=	151.5
SIZE 1	6
SIZE 2	1

LARGEST HP=	50
TOTAL CONNECTED F.L. AMPS=	147

NOTES:

1. AUX CONTACTS INDICATED HERE ARE ABOVE AND BEYOND THOSE NEEDED FOR THE AUTOMATIC CONTROLS IDENTIFIED IN THE DOCUMENTS.
2. FULL LOAD VALUES ARE FROM NEC TABLE 430-150.
3. H.O.A. HAND-OFF-AUTO SELECTOR SWITCH
4. ALL POWER AND CONTROL CABLES ARE TRAY CABLE (T.C) TYPE, THWN, MULTIPLE COPPER CONDUCTOR W/GROUNDING CONDUCTOR.
5. INDICATOR LIGHT: R=RED, G=GREEN, A=AMBER; 'R' DENOTES MOTOR RUNNING, 'G' DENOTES MOTOR IS STOPPED, BUT POWER IS AVAILABLE TO STARTER AND MOTOR CAN BE STARTED, 'A' DENOTES MOTOR HAS BEEN STOPPED BY AUTOMATIC MEANS AND A RESET MUST BE PERFORMED BEFORE MOTOR CAN BE STARTED.
6. 'SS' DENOTES SOLID STATE (SOFT START) STARTER.





TA-3MCC5 ELEVATION

SCALE: NOT TO SCALE (DWG E4.02.42)

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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 3

ENGINEERING PROCEDURE SNS-ENG-0001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST 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 – 10/26/01	HG	VGS											VGS	00106009	10/26/01	REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: VICTOR G. STEFFEN, REGISTERED ENGINEER, CONSULTING ASSOCIATE, No. 00106009, STATE OF TENNESSEE

0 REV. 11-13-01 DATE

DSN	H.GROVER	10/26/01
DRW	L. MAKOVSKY	10/26/01
CHK	V.STEFFEN	10/26/01
DEPT		
PE		11/8/01
PJ		11/14/01
REQ		
UTB		11/14/01

DRAWING APPROVALS

108030700-E8E-8700-A221

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PROJECT NAME:
SPALLATION NEUTRON SOURCE
TARGET BUILDING
MCC DETAILS

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8700		1	1	D	U

51	52	53	WBS		REV
NC	NA		1.8.3.7	E9.11.32	0

Date: 11/13/2001 Time: 11:03:05
AutoCAD Version: 14.0c
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