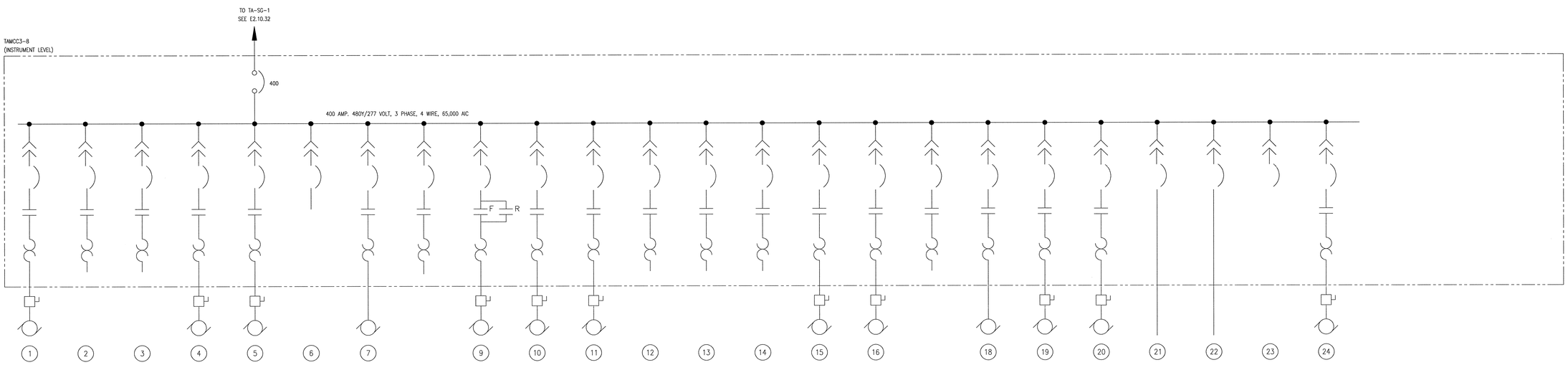
NEXT ASS'Y: FINAL ASS'Y: 1

MOTOR CONTROL CENTER "TA-3MCC6" SCHEDULE (INSTRUMENT LEVEL) (NOTE 5)

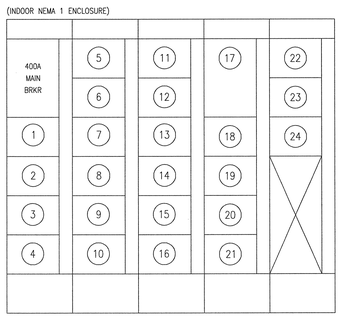
CIRCUIT NUMBER	LOAD: EQUIPMENT NUMBER	LOAD: NAME PLATE	LOAD: LOAD HP	LOAD: F.L. AMPS (NOTE 2)	CIRCUIT BREAKER: # OF POLES	CIRCUIT BREAKER: FRAME SIZE	CIRCUIT BREAKER: TRIP	MOTOR CIRCUIT PROTECTOR (MCP) RATING	MOTOR STARTER (SEE NOTES 1 & 2): NEMA SIZE	MOTOR STARTER: OVERLOAD RELAY	MOTOR STARTER: INDICATOR	MOTOR STARTER: AUX CONTACTS NO	MOTOR STARTER: AUX CONTACTS NC	MOTOR STARTER: CONTROL DEVICES	FEEDER CIRCUIT: FEEDER (AWG)	FEEDER CIRCUIT: GROUND WIRE (AWG)	FEEDER CIRCUIT: CONDUIT SIZE (INCH)	FEEDER CIRCUIT: LENGTH (FEET)	LOCAL SWITCH: DISC. SIZE (AMPS)	LOCAL SWITCH: FUSE AS REQD. (AMPS)	REMARKS
1	CF-TA-01	HOT CELL COOLER FAN	3	4.8	0	0	0	0	0						12	12	3/4				TARGET BLDG. HOT CELL SERVICE
2		SPARE	0	0	3	100	–	15	1												
3		SPARE	0	0	3	100	15	7	1												
4	CB-TA-RP-01	COLD BOX-ROUGHING PUMP	5	7.6	3	100	20	15	1						12	12	3/4				
5	CD-TA-01	COLD DIFFUSION PUMP #1	5	7.6	3	100	20	15	1						12	12	3/4				
6						150	100	0	0						0	0	0				
7	VACP-1003	VACUUM PUMP	1/2	0	3	100	15	7	1												
8				0	3	100	15	7	1												
9		HOT CELL LOWER IN CELL DOOR	1	1.2	3	100	15	3	1			2	2		0	0	0				FVR STARTER
10	FC-TA-10	SERV. GALLERY FAN COIL UNIT	1	1.6	3	100	15	3	1						12	12	3/4				
11	FC-TA-08	TRUCK BAY-FAN COIL UNIT	8	14	3	100	40	30	1						12	12	3/4				
12	TM-001	CRANE VIDEO	24	0	3	100	15	3	1												
13		SPARE	0	0	3	100	15	3	1												
14		SPARE	0	0	3	100	15	3	1												
15		JIB CRANE #1	5	7.6	3	100	20	15	1						12	12	3/4				
16		JIB CRANE #3	5	7.6	3	100	20	15	1						12	12	3/4				
17					3	150	–	150	4												
18		HOT CELL LOWER IN CELL DOOR	1	1.2	3	100	–	15	1						12	12	3/4				TARGET BLDG. HOT CELL SERVICE
19	CF-TA-01A	HOT CELL COOLER FAN	3	4.8	3	100	–	15	1			2	2		12	12	3/4				TARGET BLDG. HOT CELL SERVICE
20	CF-TA-01B	HOT CELL COOLER FAN	3	4.8	3	100	–	15	1			2	2		12	12	3/4				TARGET BLDG. HOT CELL SERVICE
21	BC-001	IN CELL BRIDGE CRANE	24	0	3	150	70	–	–			2	2		8	8	1				TARGET BLDG. HOT CELL SERVICE
22	GR-001	IN CELL GANTRY ROBOT	32	0	3	150	90	–	–			2	2		6	8	1 1/2				TARGET BLDG. HOT CELL SERVICE
23	AH-TA-11	AIR HANDLING UNIT	7 1/2	11	3	150	–	15	1						12	12	3/4				TARGET BLDG. HOT CELL SERVICE
24					3	150	50	–	1			2	2		10	10	3/4				TARGET BLDG. HOT CELL SERVICE
25																					TARGET BLDG. HOT CELL SERVICE

NOTES

1. AUX. CONTACTS MOUNTED 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. MOTOR CIRCUIT PROTECTOR RATINGS ARE AS RECOMMENDED BY WESTINGHOUSE.
4. ALL POWER AND CONTROL CABLES ARE TRAY (TC) TYPE, THHN, MULTIPLE COPPER CONDUCTOR W/ GROUNDING CONDUCTOR.
5. MCC PROVIDED BY KNIGHT.



(INDOOR NEMA 1 ENCLOSURE)



TA MCC3-6 ELEVATION

SCALE: NOT TO SCALE

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

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 3
ENGINEERING PROCEDURE SNS-ENG-G001

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	LJF	JWH			11/5/01		RAD	11/6/01				11/6/01	JWH	107492	11/13/01										

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE — STATE OF TENNESSEE

DSN		11/5/01
DRW		11/5/01
CHK		11/6/01
DEPT		
PE		11/5/01
PJ		11/5/01
REQ		
UTB		11/16/01

REV. DATE — DRAWING APPROVALS

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UT-BATTELLE — Oak Ridge National Laboratory, managed by UT-Battelle, LLC, for the U.S. Dept. of Energy under contract DE-AC05-00OR22725

PROJECT NAME:
SPALLATION NEUTRON SOURCE
TARGET BUILDING
MOTOR CONTROL CENTER, MCC6
ONE LINE- DIAGRAM

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

51	52	53		
NC	NA	IN	WBS 1.8.3.7	J1.18.30	REV 0

J1.18.30