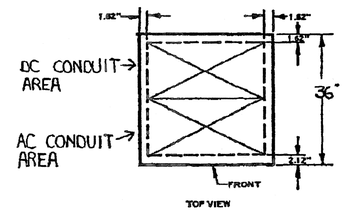
FUSIBLE SWITCHES (FUSES NOT SUPPLIED BY SQUARE D CO.)				MOLDED CASE CIRCUIT BREAKERS					
AMPERE RATING	NO. OF LUGS PER Ø	PHASE LOAD SIDE LUGS WIRE RANGE MIN.	PHASE LOAD SIDE LUGS WIRE RANGE MAX.	FRAME	TRIP AMPERE RATING	INTERRUPTING CAPACITY R.M.S. SYMMETRICAL AMPERES AT SYSTEM VOLTAGE	NO. OF LUGS PER Ø	PHASE LOAD SIDE LUGS WIRE RANGE MIN.	PHASE LOAD SIDE LUGS WIRE RANGE MAX.
				KA	–	14,000	1		#2
				LA	–	20,000	1		750

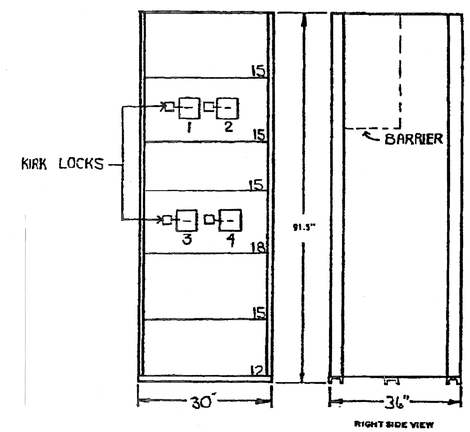
POWERSTYLE TOTALLY ENCLOSED DEAD FRONT SWITCHBOARD

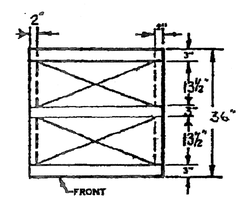
NOTES:

1. Switchboard frame constructed of formed steel angles & channels are welded & bolted together. Frame enclosure formed removable panels on front, rear, & sides, flat removable plate on top. Frame is mounted on 1.5" x 3" steel floor channels (see drawing E12-04089-2A3 for anchor bolt detail).
2. Switchboard Paint Finish: Phosphate rust inhibiting bonderizer & finish coat of Square D Standard Grey Alkyd Baked Enamel (1 mil. minimum thickness).
3. Bussing with plated joints and copper bus bars based on a maximum temperature rise of 50 degrees C above an ambient temperature of 40 degrees C.
4. Switchboard main bus brace to withstand 50,000 R.M.S. Symmetrical Amperes.
5. Service: 400 Amperes, 2 Wire, 125 Volts D.C. and 200A, 3 Phase, 3 Wire, 480 Volts A.C.
6. Lug sizes shown on this drawing are for copper or aluminum unless otherwise specified.
7. Section constructed for moving on rollers.
8. Packing for shipment to be in compliance with ANSI-N45.2-2, Level B, except equipment will not be totally crated and no desiccants will be provided.
9. Terminal blocks to be States Type M25I. Spare terminal blocks to be provided.
10. AMP insulated ring tongue terminals for #14 control wire to be used for all control wire connections.
11. AMP Ampower lugs to be used for all connections on lineside and loadside of breakers.
12. Control wire to be #14 AWG, type SIS, 7-Strand, 600 Volt insulation, except across hinged points where 41-Strand SIS wire will be used. All control wires to be labeled at both ends.
13. Approximate shipping weight 900 pounds.
14. Bakelite nameplates, white with 1/4" black letters, to be inscribed per table.
15. Circuits 1-4 and 2-3 to have Kirk Key Interlocks so that only one breaker of each pair may be on at a time. Circuits 1-2 and 3-4 to have walking beam interlock so that only one breaker of each pair may be on at a time.
16. Breakers to have padlock attachment capable of holding 3 padlocks.
17. SEE E12-04089-2A2 FOR WIRING DETAILS.

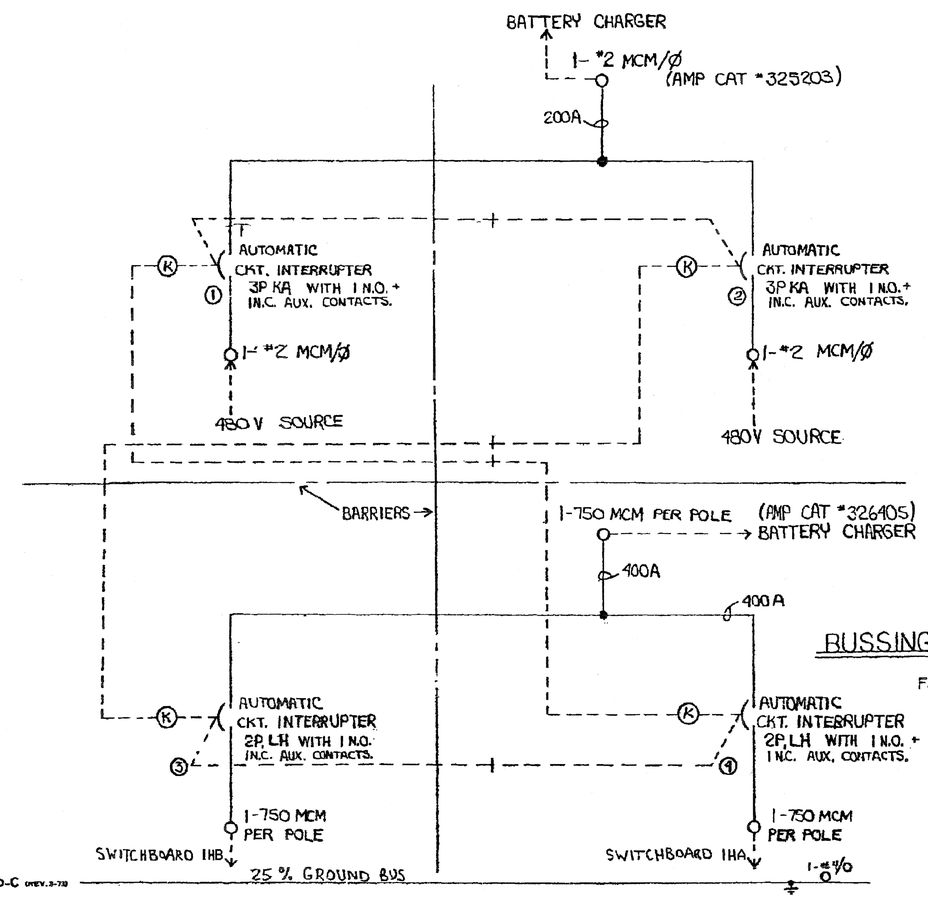
NAMEPLATE TABLE	
CKT.	INSCRIPTION
1	TRAIN B-AC
2	TRAIN A-AC
3	TRAIN B-DC
4	TRAIN A-DC







REPRESENTS AVAILABLE CONDUIT ENTRANCE AREA



BUSSING DIAGRAM

FRONT VIEW

SWD-C (REV. 3-73)

1/4" = 1'-8" 0' 5' 10' 15' 20'

SOUTH CAROLINA ELECTRIC & GAS CO.
VIRGIL C. SUMMER NUCLEAR STATION UNIT No. 1

[X] APPROVED
[ ] APPROVED AS NOTED
[ ] RETURNED FOR CORRECTION

CHECKING IS ONLY FOR GENERAL DESIGN AND GENERAL DIMENSIONS SET FORTH IN CONTRACT DOCUMENTS AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATON AS TO DETAIL WORKMANSHIP AND GUARANTEES.

GILBERT ASSOCIATES, INC.
BY M. K. Sharma
BPM ITEM No. EH-8 DATE 3/5/78
125 VDC MAIN DIST. PNL

NO.	CHKD	REVISIONS	BY	DATE
3	TAC	REVISED NOTE #9 [illegible]	WDKS	12-12-77
1	LWA	PER NOTES	MRR	3-10-77
2	LWA	PER NOTES	MRR	5-13-77

JOB TITLE: V.C. SUMMER NUCLEAR STATION
LOCATION: FAIRF. SOUTH CAROLINA
ARCHITECT:
ENGINEER: GILBERT ASSOCIATES, INC.
ELEC. CONTRACTOR: S.C. ELECTRIC + GAS CO.
CUSTOMER: S.C. ELECTRIC + GAS CO.
CUST. ORDER NO. SN-10202-SR DRAWN: RICHTER SCALE: N.T.S.
FACTORY ORDER NO. 12-04089-2 CHECKED: WDKS DATE: 2-1-77

NO.	DATE	BY	REVISION	CKD. BY	LE APPROVAL
3	10/15/01	DDJ	REVISED PER ECR-70028	MGR	DDJ
2	12/18/98	JTS	REVISED PER MRF-10887H	MGR	LEK

FSAR Figure 8.3-6

125 VDC MAIN DIST. PNL.
VENDOR/DRAWING NO.: SQUARE D COMPANY C12-04089-2A1

DESIGN ENGINEERING
V. C. SUMMER NUCLEAR STATION JENKINSVILLE, S. C.

MADE	CHECKED	LE APPROVAL
1. JTS	2. MGR	3. LEK

SCALE NO SCALE DRAWING NUMBER 1MS-37-043 SHT. NUMBER 0 REV. 3

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