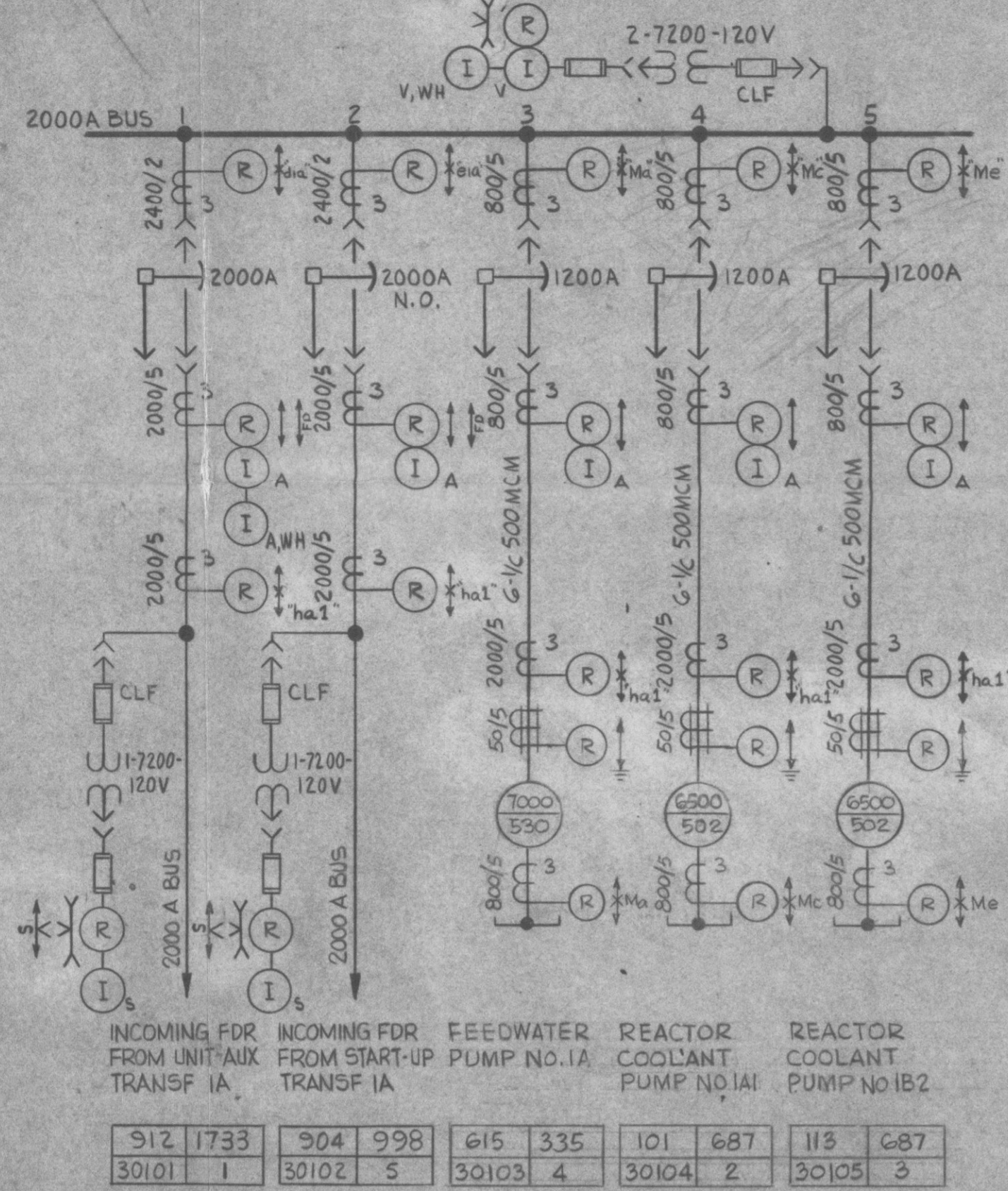
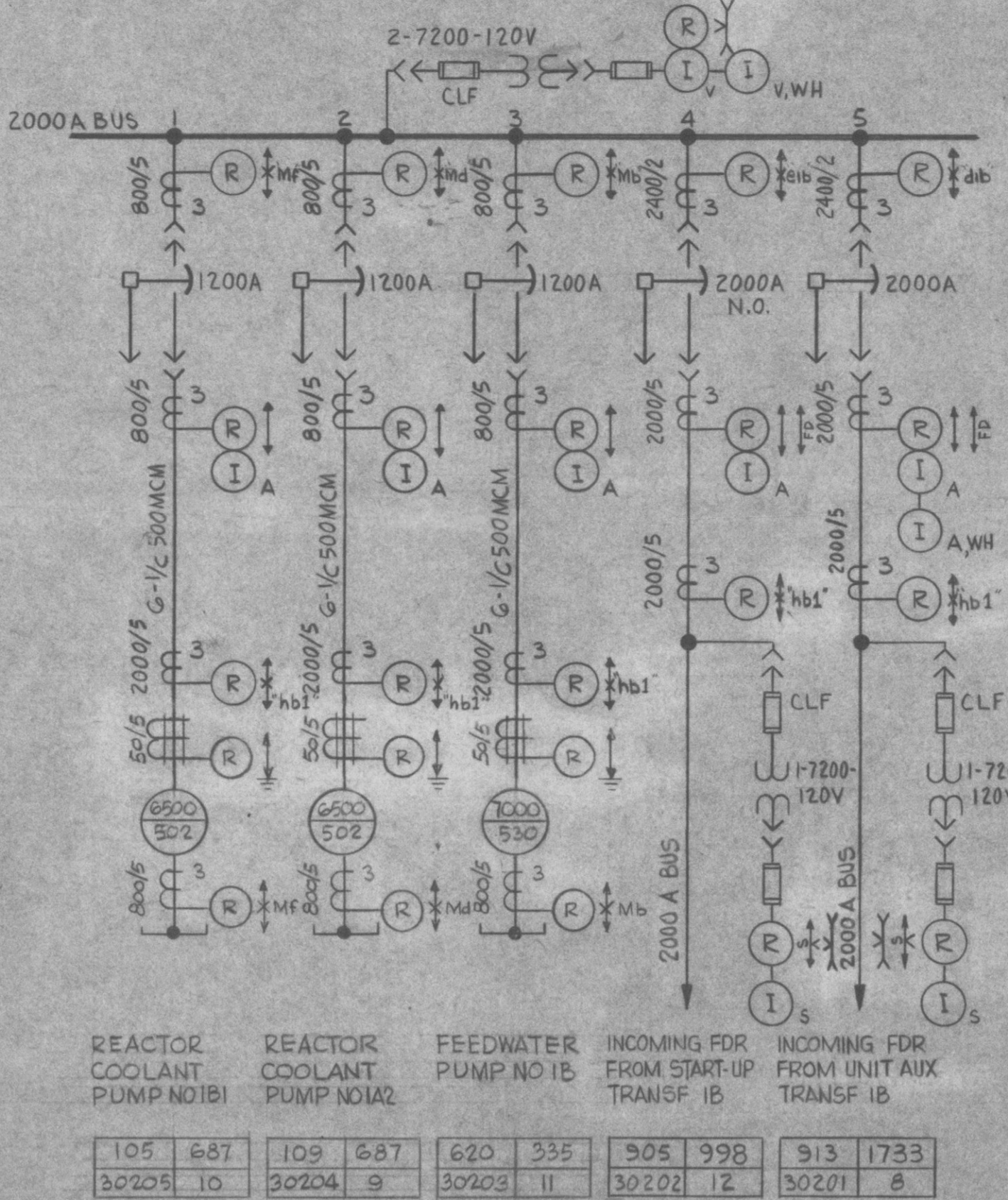


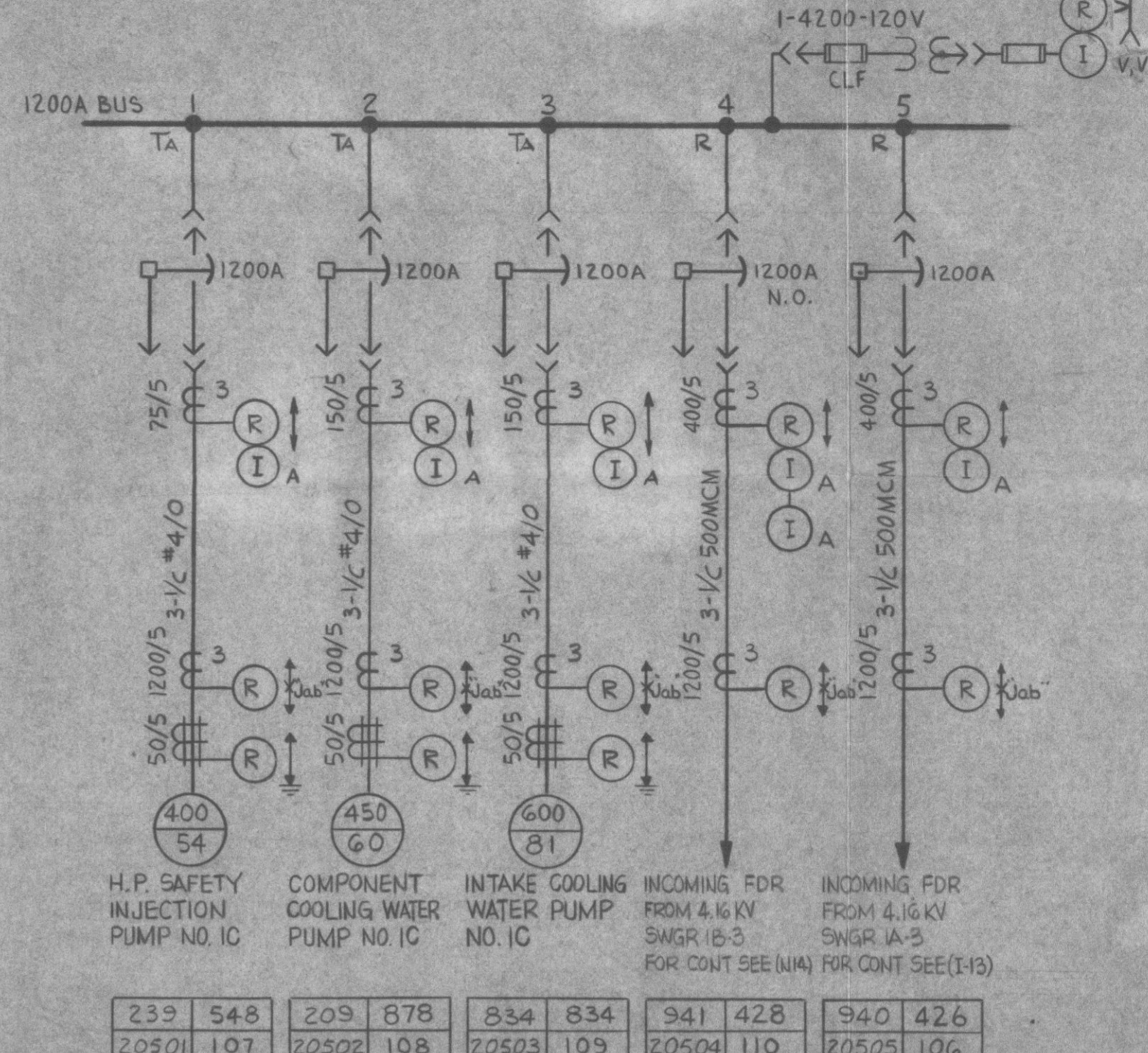
6.9 KV SWITCHGEAR IA-1



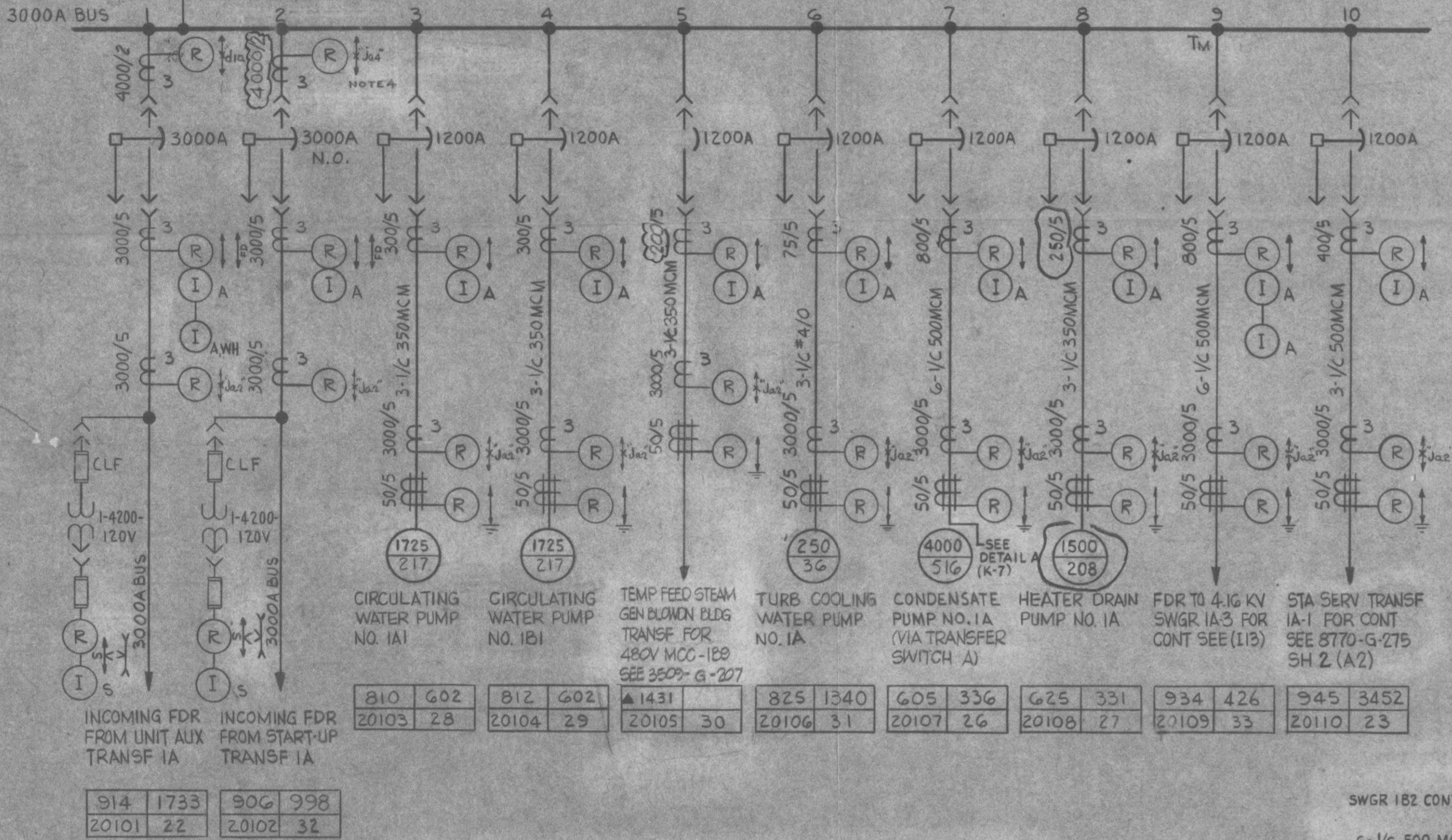
6.9 KV SWITCHGEAR IB-1



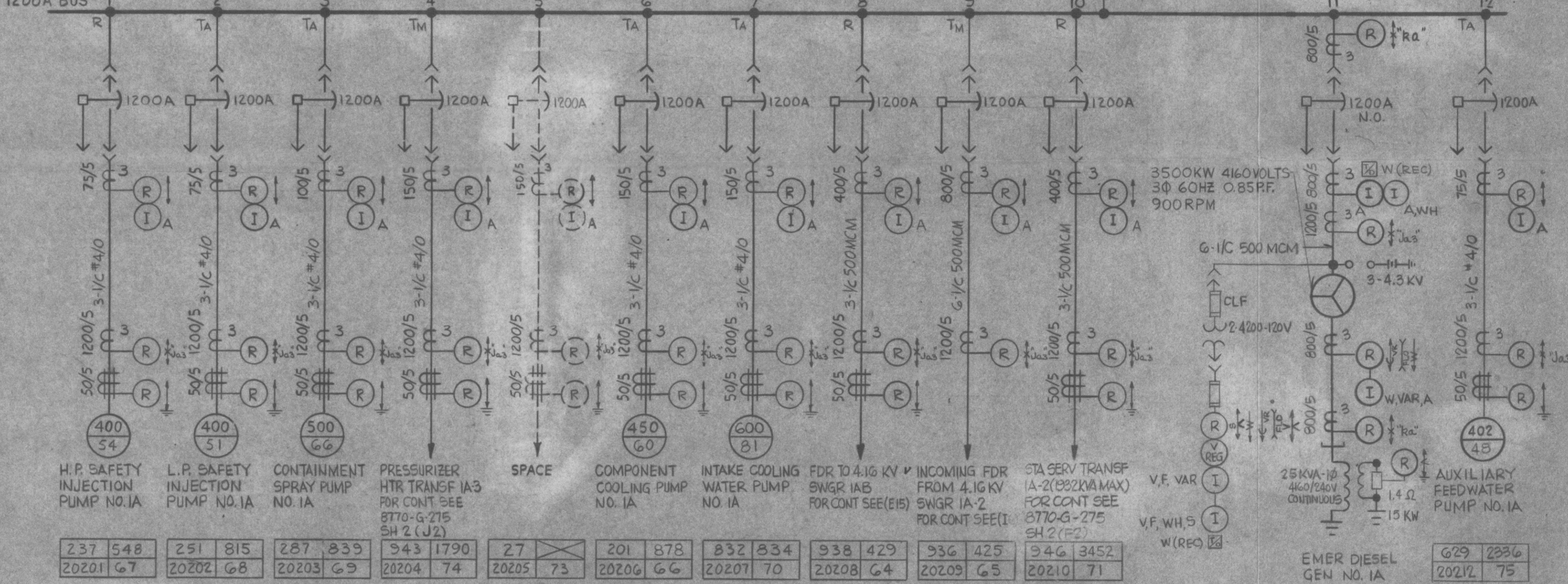
4.16 KV SWITCHGEAR 1A(SB)



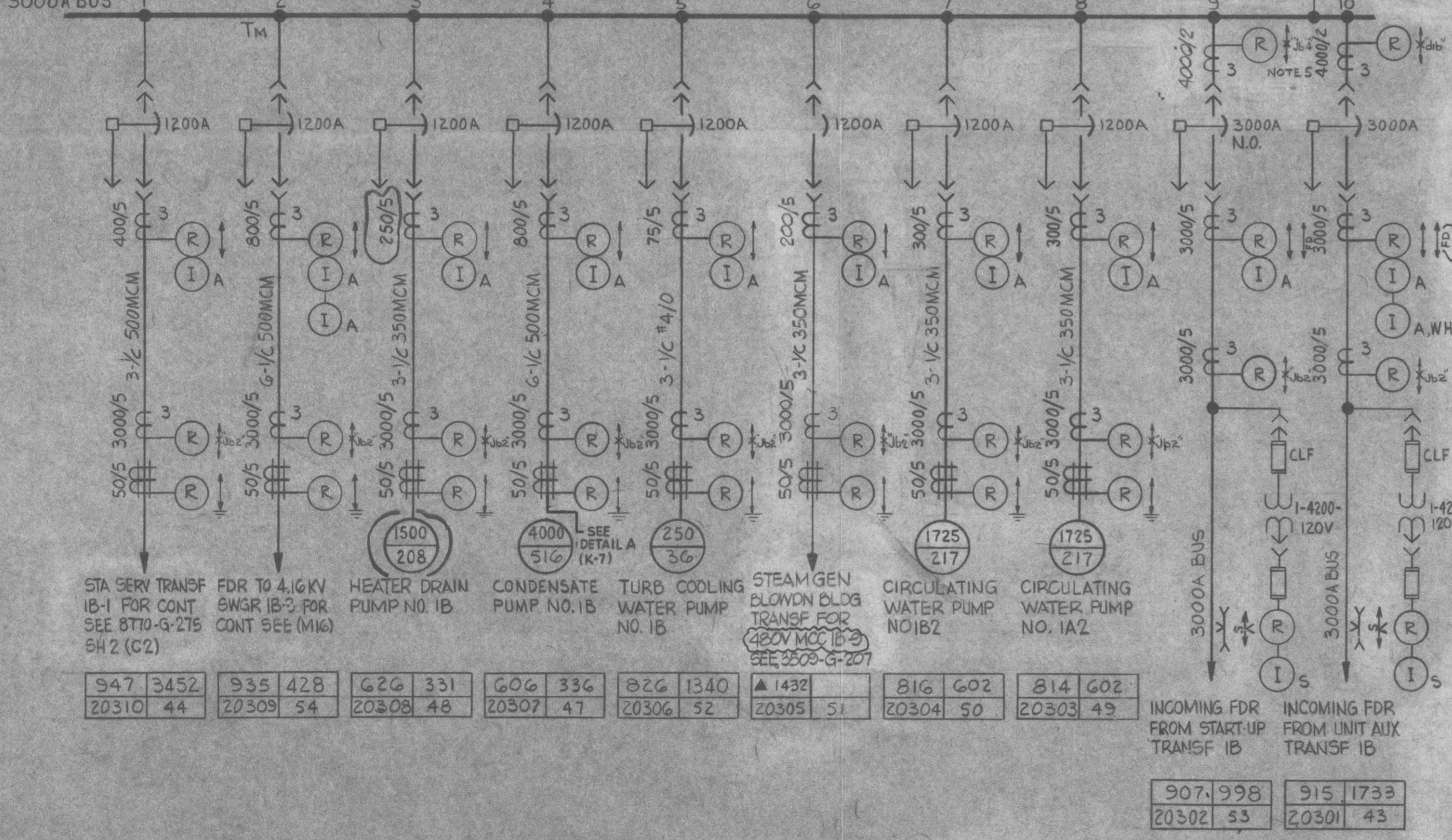
4.16 KV SWITCHGEAR IA-2



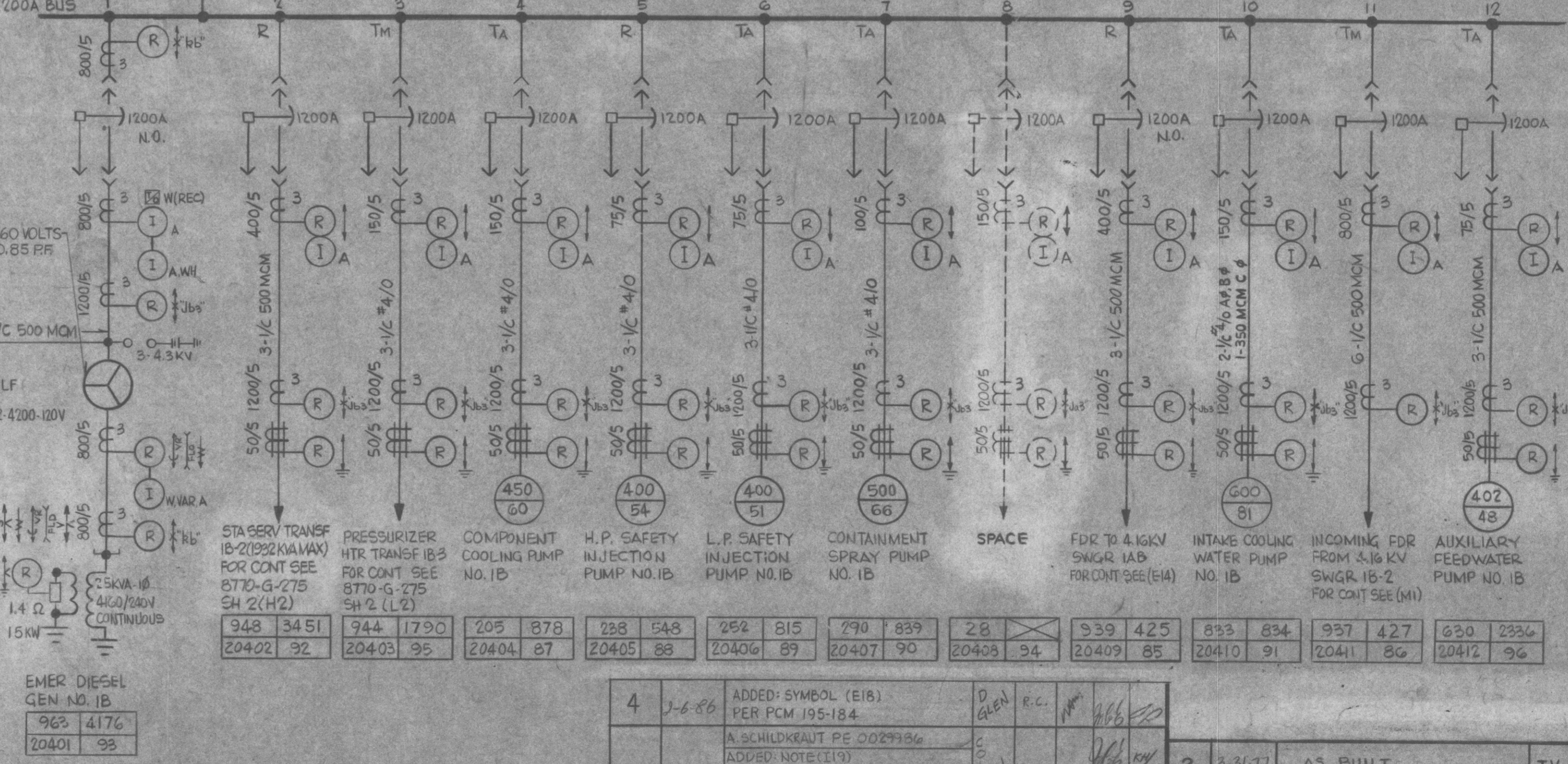
4.16 KV SWITCHGEAR IA-3(SA)



4.16 KV SWITCHGEAR IB-2



4.16 KV SWITCHGEAR IB-3(SB)



- SYMBOLS**
- MOTOR HORSEPOWER
  - FULL LOAD AMPERES
  - CWD SHEET NO
  - MOTOR VENDORS DWG EBASCO FILE NO.
  - LINE NO. 8770-B-335
  - FP#L BREAKER NO.
- FVR-1** FULL VOLT REVERSING STARTER-SIZE1  
**FVR-3** FULL VOLT NON-REVERSING COMBINATION STARTER-SIZE 3  
**BRK** BREAKER FRAME SIZE  
**150 90/390** ADJUSTABLE INSTANTANEOUS TRIP RANGE  
**TM** MAGNETIC TRIP  
**BRK** BREAKER FRAME SIZE  
**100 15** TRIPPING AMPERAGE  
**TM** THERMAL MAGNETIC TRIP  
**FOR CONT** FOR CONTINUATION  
**FVR** STARTER SUPPLIED WITH VENDORS EQUIP  
**STARTER** STARTER TYPE  
**MHP** MOTOR HORSEPOWER  
**FLA** FULL LOAD AMPERES
- ▲** DWG 3507-B-327, SH. NO.  
**NO** NORMALLY OPEN  
**NC** NORMALLY CLOSED  
**CONT-5** CONTACTOR-SIZE 5  
**CLR** CURRENT LIMITING REACTOR  
**TM** THERMAL MAGNETIC TRIP  
**□** 3-1/2 500MCM OUTSIDE CONTAINMENT  
**6-1/2 4/0** INSIDE CONTAINMENT  
**LATER**  
**FVR-2S** FULL VOLT NON-REVERSING TWO-SPEED COMBINATION STARTER-SIZE 1
- FOR GRAPHICAL SYMBOLS NOT SHOWN ABOVE SEE EBASCO DWGS. A-98150, A-98151 AND A-98154 THRU A-98165 AND A-98174 INCLUSIVE

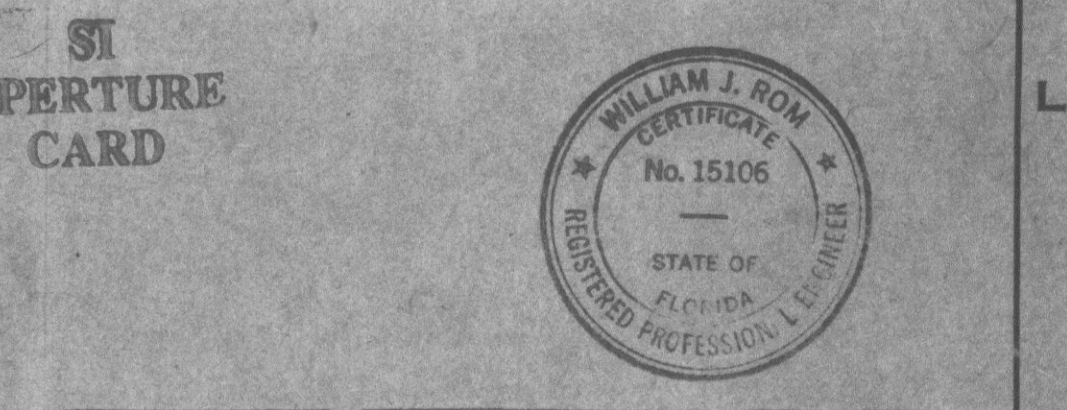
- DIFFERENTIAL RELAY ZONES**
- 1' 6.9KV BUSES
  - 2' 4.16KV BUSES
  - 3' EMERGENCY DIESEL GENERATOR
  - 4' AUX TRANSF. NO.1/SWGR
  - 5' STARTUP TRANSF. NO.1/SWGR
  - 6' 6.9KV MOTOR

- LOAD SHEDDING SYMBOLS**
- TA- DEVICE TRIPS ON LOSS OF VOLTAGE, ENERGIZED AUTOMATICALLY AS NEEDED, BY CONTROL SYSTEM
  - TM- DEVICE TRIPS ON LOSS OF VOLTAGE, ENERGIZED MANUALLY BY ADMINISTRATIVE ACTION
  - R- DEVICE REMAINS IN SAME STATE AS IT WAS PRIOR TO LOSS OF VOLTAGE

- NOTES**
- ALL SYSTEMS ARE RESISTANCE GROUNDED, GROUND OVERCURRENT RELAYS ALARM, DO NOT TRIP
  - TRANSFER SWITCH A#B KEY INTERLOCK TO ALLOW PUMP IC TO BE FED FROM EITHER 4.16KV SWGR 1A2 OR 1B2, BUT NOT BOTH
  - ZONE "364" TO REMAIN "61a" UNTIL INSTALLATION OF UNIT 2
  - ZONE "364" TO REMAIN "61b" UNTIL INSTALLATION OF UNIT 2
  - THE DESIGN INFORMATION FOR THE CHANGES DENOTED BY THE SYMBOL (E) AS SHOWN IN THE REVISION BLOCK HAS BEEN ENGINEERED BY FP & L Co.

Docket # 50-335  
 Original of 20060204-128  
 Date 3/20/06 of Document  
 20060204-128

FOR REFERENCE DRAWINGS, SEE 8770-G-275, SH. 2



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**FLORIDA POWER & LIGHT COMPANY**  
**ST. LUCIE PLANT**  
 1975-890,000 KW INSTALLATION UNIT 1  
 6.9 KV SWGR, B, 4.16KV SWGR,  
 ONE LINE WIRING DIAGRAM SH. 1

**EBASCO SERVICES INCORPORATED**

SCALE NONE	APPROVED	DATE 9-15-74
BY: ELEC	William J. Row	8770-G-275
CH: W.P. BETHEL		SH. 1
CH: [Signature]		

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
5	12-24-74	REVISED SWGR 1A2 COMPT #1 & SWGR 1B-2 COMPT #3 PER PCM 153-61	[Signature]	[Signature]	[Signature]	4	3-6-80	ADDED SYMBOL (E) PER PCM 195-184	[Signature]	[Signature]	[Signature]	2	3-31-77	AS BUILT	[Signature]	[Signature]	[Signature]
4	12-24-74	REVISED SWGR 1A2 COMPT #1 & SWGR 1B-2 COMPT #3 PER PCM 153-61	[Signature]	[Signature]	[Signature]	3	4-4-80	ADDED NOTE (E) REVISED NOTE (E) SWGR 1A2 COMPT 2 & 3 SWGR 1A-3 COMPT 5 & 10 SWGR 1B-2 COMPT 6 & 7 & 10 SWGR 1B-3 COMPT 2 & 3 PER AS-BUILT CONDITIONS	[Signature]	[Signature]	[Signature]	1	10-15-75	ADDED LOAD SHEDDING SYMBOLS TO REFLECT P, L, M, S, AS OF 10-14-74, NOTE 2 (E)	[Signature]	[Signature]	[Signature]