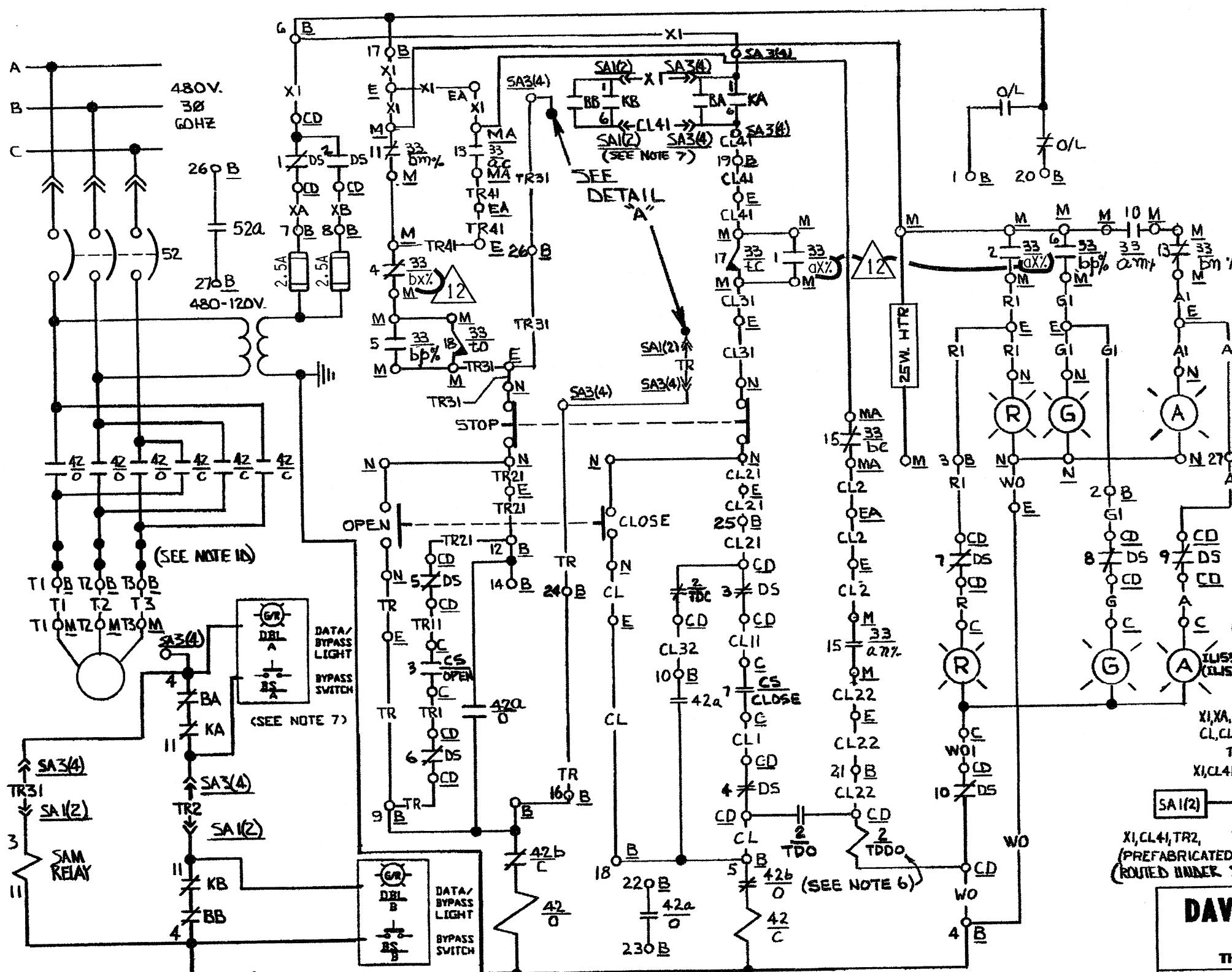


11	INC DWN E-52B-645 & 681 PER MOD 90-0006 SUPD	OWNER	
12	INC. DUN'S 03-0359-001-001 & 03-0359-002-001 BOTH REV. 01 & GEN. UPDATE ADD DWG. E-52B TO NOTES 3, 5, & 8 FOR CLARITY. (REDRAWN)	PROJ. CHIEF	
0	ISSUED FOR CONSTRUCTION	DR.	
REV.	DESCRIPTION	DATE	



- NOTES:
- FOR GENERAL NOTES SEE DWG. INDEX E-52B.
 - FOR CONTROL SW. DETAILS SEE DWG. E-30B, SHEET 7, FIG. 7.
 - FOR VALVE LIMIT SW DEVELOPMENT SEE DWG. E-52B, SHEET 21B AND NOTES 5 & 11 THIS SHEET.
 - FOR DETAILS OF LOCAL PUSHBUTTONS & IND. LIGHTS SEE DWG. E-30B, SHEET 7 TYPES 3, 4, & 6 WITH AMBER LIGHT RESS CAT NO 503976.
 - 100% OPEN = VALVE PHYSICALLY FULLY OPEN. ALL POSITIONS BASED FROM THERE. FIELD ADJUST ROTOR 3 WITH SW CONTACTS 9 THRU 12 TO ACTUATE WHEN VALVE CS1530 REACHES 53-1/2% OPEN & VALVE CS1531 REACHES 54-1/8% OPEN, ROTOR 4 WITH CONTACTS 13 THRU 16 WHEN VALVE CS1530 REACHES 55-1/2% OPEN & VALVE CS1531 REACHES 56-1/8% OPEN, AND ROTOR 1 WITH CONTACTS 1 THRU 4 WHEN VALVE CS1530 REACHES 60-1/4% ± 1-1/8% OPEN & VALVE CS1531 REACHES 66-1/4% ± 2-3/4% OPEN; SEE DWG. E-52B, SH. 21B.
 - AGASTAT TYPE 7022AC SET TO DROP OUT AT 5 SEC. IN CABINET CDF11B IS ORIGINAL. ANY FUTURE REPLACEMENT IS TO BE MODEL E-7022AC, REF. NRC INFO. NOTICE 87-66. AGASTAT TYPE E-7022AC SET TO DROP OUT AT 5 SEC. IN CABINET CDE11C.
 - FOR VENDOR DWG. REFER TO E-17B, SEE VENDOR DWG. FOR SFAS INTERNAL WIRING.
 - FOR LIMIT SWITCHES SEE DWG. E-52B, SHEET 19C.
 - FOR IL SEE DWG. E-30B, SH. 6A, FIG. 3
 - OVERLOAD HEATER REPLACED BY SHORTING BARS.
 - FIELD TO ADJUST ROTOR #2 WITH SWITCH CONTACTS 5 THRU 8 TO ACTUATE WHEN VALVE REACHES p = 20% OPEN (+5%, -0%).

DETAIL "A"

SCHEME NO. (SEE TABLE)

THIS DRAWING WAS REDRAWN/SCANNED ON CAD AND SUPERSEDES REV. 11.

SCHEME NO.	MCC	START UP SYS NO.	CHANNEL	WIRE PREFIX	CONT. SW. CS	EQUIPMENT NO'S										SA OUTPUT RELAY			
						C	CD	B	E	EA	M	MA	N	SA1	SA2	SA3	SA4	KA	KB
BE1156	E11C	G1	1	SHA	H15130	C5716	CDE11C	BE1156	EV15300	EVDH09B	MV15300	MVDH09B	NV15300	C5762D	—	C5763C	—	K25 A	K25 A
BF1147	F11B	G1	2	SHB	H15131	C5716	CDF11B	BF1147	EV15310	EVDH09A	MV15310	MVDH09A	NV15310	—	C5755D	—	C5756C	K25 A	K25 A

DAVIS-BESSE NUCLEAR POWER STATION
 THE TOLEDO EDISON COMPANY
 THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

ELEMENTARY WIRING DIAGRAMS
REACTOR COOLING SYSTEM
CS PMP'S 1 & 2 OUT VLV'S

BECHTEL COMPANY	JOB NO	DRAWING NO.	REV.
	7749	E-52B-SH21A	12