



CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, MAINTAINED CONTACT, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTACTS SYM POSITION

A12-B12	TP	X	X	X	X
A1-B1	C				
A3-B3	TP	X	X	X	X
A6-B6	C				
A7-B7	TP	X	X	X	X
C12-D12	TP	X	X	X	X
C1-D1	C				
C3-C6	STP	X	X	X	X
C6-C7	SC	X	X	X	X
D3-D4	STP	X	X	X	X
D6-D7	SC	X	X	X	X
E12-E1	P	X	X	X	X
F12-F1	CTO	X	X	X	X
G6-G7	P	X	X	X	X
F6-F7	CTO	X	X	X	X

WESTINGHOUSE TYPE W-2 CONTROL SWITCH 2 POSITIONS, SPRING RETURN TO CENTER, BASIC SWITCH S# 508A264G02, PISTOL GRIP, FIXED HANDLE.

X - DENOTES CONTACT CLOSED  
- DENOTES CONTACT USED

CONTROL SW DEVELOPMENT 'CS'  
MCC PL (M063)

NOTE: B.S. - BLOCKING SWITCH

REFERENCE DWGS.

DWG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	CHECKED	APPROVED
6120E-1454 SERIES	INT/EXT W/D MCC ENG. SAFETY FEATURES IP0404					
6120E-1407 SERIES	INT/EXT W/D REPOTE SHUTDOWN CONTROL PANEL IP0403					
6120E-1414 SERIES	INT/EXT W/D SOLID STATE (KXCES) ROT. SYS. CAB. TRM A IP0403					
6120E-1422 SERIES	INT/EXT W/D ESF SEQUENCING AND ACTIONION CAB. TRM A IP0403					
6120E-1455 SERIES	INT/EXT W/D AMBUSTATOR INPUT CABINET (ESF-1) IP0403					
E1-9411 SERIES	INT/EXT W/D 480V ESF SWGR. 141 IAPOSE					
6120E-1-4030 SERIES	ESP NOTES, LEGEND, REF DWGS					
6120E-1-4045 SERIES	INT/EXT W/D 480V MCC 151X3					
6120E-1-4110 SERIES	INT/EXT W/D SAFEGUARDS TEST CAB. TRM A (MIS)					
6120E-1-4101	INT/EXT W/D JUNCTION BOXES 151093					

NUCLEAR SAFETY RELATED EQUIPMENT IS SHOWN ON THIS DRAWING

SCHMATIC DIAGRAM  
AUXILIARY FEEDWATER PUMP 1A  
IAFOIPA

BYRON BRAND WOOD STATIONS UNIT 1  
COMMONWEALTH ATOM CO.  
CHICAGO, ILLINOIS

SCALE: NONE

DATE: 8-15-74

CHECKED: [Signature]

APPROVED: [Signature]

DRAWING NO. 481

BYRON 481-1-4030 AF01

BEADWOOD 88E1-3030 AF01

NUCLEAR SAFETY RELATED EQUIPMENT IS SHOWN ON THIS DRAWING

FOR USE ON MARBLE HILL PROJECT, REFERENCE ON THIS DRAWING TO A BYRON PROJECT DRAWING WITH THE NUMBER PREFIX E- OR S/E- SHALL BE CONSIDERED A REFERENCE TO THE MARBLE HILL PROJECT SPECIFICATION WITH NUMBER PREFIX Y- AND THE SAME SPECIFICATION NUMBER.

FOR USE ON MARBLE HILL PROJECT, REFERENCE ON THIS DRAWING TO A BYRON PROJECT DRAWING WITH THE NUMBER PREFIX E- OR S/E- SHALL BE CONSIDERED A REFERENCE TO THE MARBLE HILL PROJECT SPECIFICATION WITH NUMBER PREFIX Y- AND THE SAME UNIT NUMBER (0, 1, 2) AND DRAWING NUMBER.

DRAWING RELEASE RECORD

REV.	DATE	RELD.	PREPARED	REVIEWED	APPROVED	REASON
1	8-15-74					
2	8-15-74					
3	8-15-74					
4	8-15-74					
5	8-15-74					

DRAWING RELEASE RECORD

REV.	DATE	RELD.	PREPARED	REVIEWED	APPROVED	REASON
1	8-15-74					
2	8-15-74					
3	8-15-74					
4	8-15-74					
5	8-15-74					

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SCHMATIC DIAGRAM  
AUXILIARY FEEDWATER PUMP 1A-1AFOIPA

MARBLE HILL NUCLEAR GENERATING STA. UNIT 1  
PUBLIC SERVICE INDIANA  
PLAINFIELD, INDIANA

DRAWING NO. 481

BYRON 481-1-4030 AF01

BEADWOOD 88E1-3030 AF01

RIDS

8305040490

