MATCH LINE

SEE DWG. 7804-E134-32

KS-65

1. TB3-68	
1T.	77
3.	66
3T.	75
5.	65
5T.	74
7.	61
7T.	70
9.	64
9T.	73
11.	62
11T.	71
13.	63
13T.	72
15.	67
15T.	76

31. KS-64-31
31. KS-75-31
31T. KS-75-32T
32. KS-64-32
32. KS-75-32
32T. KS-64-31T

HS-4424-A

KS-64

1. TB12-62	
1T. TB11-4	
2. CS-69-A4	
3. TB12-63	
3T. TB11-5	
4. FU-DC-8-4	
5. TB12-57	
5T. TB12-93	
6. CS-69-5	
7. TB12-55	
7T. TB12-91	
8. FU-DC-8-2	
9. TB12-58	
9T. TB12-94	
10. CS-69-7	
11. TB12-59	
11T. TB11-1	
12. CS-69-B3	
13. TB12-60	
13T. TB11-2	
14. KS-63-14	
14. SD-A-2	
15. TB12-61	
15T. TB11-3	
17. TB12-56	
17T. TB12-92	

31. KS-63-31
31. KS-65-31
31T. KS-65-32T
32. KS-63-32
32. KS-65-32
32T. KS-63-31T

HS-4421-C

KS-63

1. TB12-53	
1T. TB12-89	
2. CS-68-A4	
3. TB12-54	
3T. TB12-90	
4. FU-DC-7-4	
5. TB12-48	
5T. TB12-84	
6. CS-68-5	
7. TB12-46	
7T. TB12-82	
8. FU-DC-7-2	
9. TB12-49	
9T. TB12-85	
10. CS-68-7	
11. TB12-50	
11T. TB12-86	
12. CS-68-B3	
13. TB12-51	
13T. TB12-87	
14. KS-62-14	
14. KS-64-14	
15. TB12-52	
15T. 88	
17. 47	
17T. 83	

31. KS-62-31
31. KS-64-31
31T. KS-64-32T
32. KS-62-32
32. KS-64-32
32T. KS-62-31T

HS-4419-C

KS-62

1. TB12-44	
1T. TB12-80	
2. CS-67-A4	
3. TB12-45	
3T. TB12-81	
4. FU-DC-6-4	
5. TB12-39	
5T. TB12-75	
6. CS-67-5	
7. TB12-37	
7T. TB12-73	
8. FU-DC-6-2	
9. TB12-40	
9T. TB12-76	
10. CS-67-7	
11. TB12-41	
11T. TB12-77	
12. CS-67-B3	
13. TB12-42	
13T. TB12-78	
14. KS-61-14	
14. KS-63-14	
15. TB12-43	
15T. 79	
17. 38	
17T. 74	

31. KS-61-31
31. KS-63-31
31T. KS-63-32T
32. KS-61-32
32. KS-63-32
32T. KS-61-31T

HS-4416-C

KS-61

1. TB12-35	
1T. TB12-71	
2. CS-66-A4	
3. TB12-36	
3T. TB12-72	
4. FU-DC-5-4	
5. TB12-30	
5T. TB12-66	
6. CS-66-5	
7. TB12-28	
7T. TB12-64	
8. FU-DC-5-2	
9. TB12-31	
9T. TB12-67	
10. CS-66-7	
11. TB12-32	
11T. TB12-68	
12. CS-66-B3	
13. TB12-33	
13T. TB12-69	
14. KS-81-8	
14. KS-62-14	
15. TB12-34	
15T. 70	
17. 29	
17T. 65	

31. KS-51-31
31. KS-62-31
31T. KS-62-32T
32. KS-51-32
32. KS-62-32
32T. KS-51-31T

HS-4413-C

DIVISION N

RUN IN FLEXIBLE CONDUIT INTO BAY B

KS-75

1. TB3-1	
1T.	10
2.	14
3.	5
5.	4
5T.	13
6. L-1-4	
7. TB3-2	
7T. TB3-11	
8. L-1-3	
9. TB3-3	
9T. TB3-12	
10. L-1-2	
11. TB3-7	
11T.	16
13.	15
13T.	6
15.	37
15T.	31
16.	36
17.	35
17T.	41
19T.	42
21.	40
21T.	34
22. L-4-4	
23. TB3-38	
23T. TB3-32	
24. L-4-3	
25. TB3-39	
25T. TB3-33	
26. L-4-2	

31. KS-65-31
31. KS-74-31
31T. KS-74-32T
32. KS-65-32
32. KS-74-32
32T. KS-65-31T

HS-3202-A

KS-74

1. TB13-6	
1T.	1
2.	5
3.	10
5.	9
5T.	4
6. L-2-4	
7. TB13-7	
7T. TB13-2	
8. L-2-3	
9. TB13-8	
10. L-2-2	
13. TB3-24	
13T.	19
14.	23
15.	28
17.	27
17T.	22
18. L-3-4	
19. TB3-26	
19T. TB3-21	
20. L-3-2	
21. TB3-25	
21T. TB3-20	
22. L-3-3	

9T. TB13-3

31. KS-75-31
31. KS-72-31
31T. KS-72-32T
32. KS-75-32
32. KS-72-32
32T. KS-75-31T

HS-7003-C

KS-73

1. TB7-15	
1T. TB7-24	
2. CS-64-A4	
3. TB7-11	
3T. TB7-20	
4. CS-64-A3	
5. TB7-16	
5T. TB7-27	
6. CS-65-A4	
7. TB7-12	
7T. CS-64-7	
8. SD-C-2	
9. TB7-13	
9T. TB7-22	
10. CS-64-6	
11. TB7-14	
11T. TB7-23	
12. CS-64-8	
13. TB7-17	
13T. TB7-25	
14. CS-65-6	
15. TB7-18	
15T. TB7-26	
16. CS-65-8	

31. KS-83-31
31. TB10-95
31T. TB10-94
32. KS-83-32
32. TB10-96
32T. KS-83-31T

HS-4428-A

KS-72

1. TB5-15	
1T. TB5-17	
2. CS-62-A4	
3. TB5-16	
3T. TB5-18	
4. CS-62-7	
6. FU-DC-2-2	
6T. CS-62-A1	
7. TB5-10	
7T. TB5-12	
8. CS-63-A4	
9. TB5-11	
9T. TB5-13	
10. CS-63-7	
12. FU-DC-3-2	
12T. CS-63-A1	
31. KS-74-31	
31. KS-81-31	
31T. KS-81-32T	
32. KS-74-32	
32. KS-81-32	
32T. KS-74-31T	

HS-4401-B

DIVISION 4

KS-71

1. TB11-92	
1T. TB11-94	
2. CS-61-A4	
3. TB11-93	
3T. TB11-95	
4. CS-61-7	
6. FU-DC-1-2	
6T. CS-61-A1	
31. TB10-89	
31T. TB10-88	
32. TB10-90	

RUN IN FLEXIBLE CONDUIT INTO BAY B

HS-4400-A

*10 WIRE

RUN IN FLEXIBLE CONDUIT INTO BAY B

KS-83

1. TB9A-17	
1T. TB9A-20	
2. I-2-1	
3. TB9A-18	
3T. TB9A-19	
4. I-2-2	
5. TB9A-13	
5T. TB9A-16	
6. I-12-1	
7. TB9A-14	
7T. TB9A-15	
8. I-12-2	
9. TB9A-9	
9T. TB9A-12	
10. I-13-1	
11. TB9A-10	
11T. TB9A-11	
12. I-13-2	
13. TB9A-5	
13T. TB9A-8	
14. I-9-1	
15. TB9A-6	
15T. TB9A-7	
16. I-9-2	
17. TB9A-1	
17T. TB9A-4	
18. I-10-1	
19. TB9A-2	
19T. TB9A-3	
20. I-10-2	
21. TB9A-24	
21T. TB9A-22	
22. I-1-1	
23. TB9A-21	
23T. TB9A-23	
24T. I-1-2	

31. KS-73-31
31T. KS-73-32T
32. KS-73-32

AS-4

KS-82

1. TB3-58	
1T. TB3-49	
2. R-1-T1	
3. TB3-57	
3T. TB3-48	
4. R-1-MI	
5. TB3-56	
5T. TB3-47	
6. R-2-R1	
7. TB3-52	
7T. TB3-43	
8. R-2-MI	
9. TB3-55	
9T. TB3-46	
10. L-5-4	
11. TB3-53	
11T. TB3-44	
12. L-5-3	
13. TB3-54	
13T. TB3-45	
14. L-5-2	
31. KS-81-31	
31. KS-84-31	
31T. KS-84-32T	
32. KS-81-32	
32. KS-84-32	
32T. KS-81-31T	

HS-2202-A

KS-81

1. TB11-6	
1T. TB11-8	
2. L-11-4	
3. TB11-28	
3T. TB11-31	
4. L-11-1	
5. TB11-26	
5T. TB11-29	
6. L-11-3	
7. TB11-7	
7T. TB11-9	
8. TB5-96	
8. KS-61-14	
9. TB11-27	
9T. TB11-30	
12. FU-AC-6-2	
31. KS-72-31	
31. KS-82-31	
31T. KS-82-32T	
32. KS-72-32	
32. KS-82-32	
32T. KS-72-31T	

HS-4371-D

KS-85

43-2016

KS-84

SPARE

24. TB3-87	
24T. FU-DC-12-2	
26. TB3-88	
26T. FU-DC-12-4	
28. TB3-79	
28T. FU-DC-10-2	
30. TB3-81	
30T. FU-DC-11-2	
31. KS-84-31	
31. TB10-95	
31T. TB10-94	
32. KS-84-32	
32. TB10-96	
32T. KS-84-31T	

DCP 1430, REV 0

31. KS-82-31
31. KS-85-31
31T. KS-85-32T
32. KS-82-32
32. KS-85-32
32T. KS-82-31T

DRAFTING NOTE:

CLOUDED WIRES & CABLES OR ~~C-O-D~~ CODED WIRES & CABLES ARE NEW ADDED WIRES & CABLES. DO NOT DRAFT THE "0" ON THE WIRES & CABLES AT DCP CLOSURE.

MATCH LINE — SEE DWG. 7834-E134-34

WIRING NOTES:
1. UNSHIELDED WIRE – ANACONDA ERICSSON FLAMEGUARD, TYPE NSINS, NO. 14 AWG UNLESS NOTED OTHERWISE.
2. SHIELDED WIRE – ANACONDA ERICSSON FLAMEGUARD, NO. 16 AWG, 2/C, SHIELDED PAIR, ERCP-5600-16-2S.
3. USE AMP UNINSULATED RING TONGUE TERMINALS, SIZE AS REQ'D.
4. AC WIRING (MARKED ●), CT WIRING (MARKED ▲) AND DC WIRING (NOT MARKED) SHALL BE BUNDLED SEPARATELY AND KEPT AT LEAST 4" APART IF POSSIBLE.
5. CT WIRING SHALL BE LABELED "CT" THROUGHOUT IT'S PATH WITHIN THE PANEL.

BECHTEL POWER CORPORATION — SUPPLIER DOCUMENT STAMP — JOB NO. — REVIEWED — A C E J M N P Q — Date — By

AAPD-0253 (R1) JE PO. 9560

C B A

IC388
REAR ELEVATION
SHADED AREA THIS DRAWING

SI APERTURE CARD

FRANK ELECTRIC CORPORATION
YORK, PA

CONNECTION DIAGRAM-SH.7
REMOTE SHUTDOWN PANEL
PANEL 1C388

B	AS BUILT WIRING CHANGES - 3 PLACES	8-19-86	RWG	MW	JC
A	ADD WIRING @ ES 64-14, ES 81-8, ES-72-8	6-21-86	RWG	MW	JC
A	ADD WIRING @ ES 64-14, ES 62-14, ES 64-14	5-21-86	RWG	MW	JC
Rev.	Description of Change	Date	By	Chk	Authority

CUSTOMER IOWA ELECTRIC
DUANE ARNOLD ENERGY CENTER
ORDER No. 009560
PROJECT
ITEM No.
DESTINATION PALO, IOWA

DRAWN RWG
CHECKED RWK
SCALE NONE
DATE 3-7-84

DRAWING No. E8-5229-21 REV. B

FOR DCP 1430 USE ONLY

REV	PREPARED BY	VERIFIED BY
0	SH 4/4/86	DWK 4/10/86
1		

DCP 1430, REV 0

8810120290

DCP PACKAGE INDEX ITEM NO. 6.3.11

CONSTRUCTION ADD.

ie: Iowa Electric light & power co.
Cedar Rapids, Iowa

DAEC
CONNECTION DIAGRAM
REMOTE SHUTDOWN PANEL
PANEL 1C388

1	3/86	REV PER DCP1355	JP	JJO	WF	VP
0	4/86	ISSUED INTO MDL REV.	JJO	WF	JP	WF
NO.	DATE	REVISIONS	DRAWN	CHK'D	ENG'R	APP'D

Drawing No. E134-033 Rev. 1

FOR INFORMATION ONLY

Docket # 50-331 / 50-3[illegible]
Control # [illegible] of Document
Date [illegible]
REGULATORY DOCKET FILE

6.3.11

E3-9