



SYSTEM PROTECTION & CONTROL PROJECTS 20413
CABLE SCHEDULE
ROBINWOOD LINE 826 RELAY UPGRADE

CABLE NOTES:

1. TYPE B, BS, F, AND FO CABLE SHALL BE FURNISHED BY THE OWNER, UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL FURNISH ALL OTHER CABLE, AS SPECIFIED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL CABLE LENGTHS. CABLE LENGTHS LISTED ARE APPROXIMATE.

CABLE LEGEND:

- A - THHN INSULATED COPPER CONDUCTOR, RATED 600V
- B - CONTROL CABLE
- BS - SHIELDED CONTROL CABLE
- C - RHW, THHW, OR THWN INSULATED COPPER CONDUCTOR, RATED 600V
- F - INSTRUMENT CABLE
- FO - FIBER OPTIC CABLE
- S - SINGLE CONDUCTOR
- M - MULTIPLE CONDUCTOR

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CABLE #	FROM	TO	VOLT	SIZE	#C	S/M	TYPE	LNPTH ckt ft	CONDUIT #	REMARKS
LINE 826										
826/826PR	138KV BREAKER 826	PANEL 5	600	10	4	M	BS	410		CT FOR PRIMARY
826/826SC	138KV BREAKER 826	PANEL 5	600	10	4	M	BS	410		CT FOR SECONDARY
826/C1	138KV BREAKER 826	PANEL 5	600	10	21	M	BS	410		BREAKER ALARMS AND TC1
826/C2	138KV BREAKER 826	PANEL 5	600	10	8	M	BS	410		BREAKER STATUSES
826/C3	138KV BREAKER 826	PANEL 5	600	10	4	M	BS	410		TC2
138KVS/PT	138KV SOUTH BUS JUNCT BOX	PANEL 5	600	10	8	M	BS	362		SOUTH BUS PTs TO PNL5
P2P5/AC	138KV PANEL 2	138KV PANEL 5	600	10	2	M	BS	56		PANEL AC
P4/DC1	DC BATTERY BANK #1	138KV PANEL 4	600	10	2	M	BS	90		POWER PANEL 4 AND 3
P5/DC1	DC BATTERY BANK #1	138KV PANEL 5	600	10	2	M	BS	90		POWER PRIMARY
P5/DC2	DC BATTERY BANK #2	138KV PANEL 5	600	10	2	M	BS	90		POWER SECONDARY AND BF
P1P5/C1	138KV PANEL 1	138KV PANEL 5	600	10	4	M	BS	60		86BF/826 TO TC1/851
P1P5/C2	138KV PANEL 1	138KV PANEL 5	600	10	4	M	BS	60		86BF/826 TO TC2/851
P1P5/C3	138KV PANEL 1	138KV PANEL 5	600	10	4	M	BS	60		86BF/826 TO BC/851
P2P5/C1	138KV PANEL 2	138KV PANEL 5	600	10	4	M	BS	56		86BF/8C1 TO TC1/826
P2P5/C2	138KV PANEL 2	138KV PANEL 5	600	10	4	M	BS	56		86BF/8C1 TO TC2/826
P2P5/C3	138KV PANEL 2	138KV PANEL 5	600	10	4	M	BS	56		86BF/8C1 TO BC/826
P2P5/C4	138KV PANEL 2	138KV PANEL 5	600	10	4	M	BS	56		86BF/826 TO TC1/8C1
P2P5/C5	138KV PANEL 2	138KV PANEL 5	600	10	4	M	BS	56		86BF/826 TO TC2/8C1

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CABLE #	FROM	TO	VOLT	SIZE	#C	S/M	TYPE	LNPTH ckt ft	CONDUIT #	REMARKS
P2P5/C6	138KV PANEL 2	138KV PANEL 5	600	10	4	M	BS	56		86BF/826 TO BC/8C1
P3P4/C1	138KV PANEL 3	138KV PANEL 4	600	10	4	M	BS	55		ALARM BUS TO ANUNCIATOR
P3P5/C1	138KV PANEL 3	138KV PANEL 5	600	10	4	M	BS	55		86BF/826 TO TC1/8T5
P3P5/C2	138KV PANEL 3	138KV PANEL 5	600	10	4	M	BS	55		86BF/826 TO TC2/8T5
P3P5/C3	138KV PANEL 3	138KV PANEL 5	600	10	4	M	BS	55		86BF/826 TO BC/8T5
P3P5/C4	138KV PANEL 3	138KV PANEL 5	600	10	4	M	BS	55		ALARM BUS TO RTU
P4P4/C1	138KV PANEL 4	230KV PANEL 4	600	10	4	M	BS	85		ALARM BUS TO ANUNCIATOR
P4P5/C1	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86B1-A & 86BF-A TO TC1/826
P4P5/C2	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF-B TO TC2/826
P4P5/C3	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86B1-A & 86BF-A TO BC/826
P4P5/C4	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF/826 TO TC1/8T6
P4P5/C5	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF/826 TO TC2/8T6
P4P5/C6	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF/826 TO BC/8T6
P4P5/C7	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF/826 TO TC1/8T4
P4P5/C8	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF/826 TO TC2/8T4
P4P5/C9	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86BF/826 TO BC/8T4
P4P5/C10	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		SOUTH BUS PTs TO PNL4
P4P5/C11	138KV PANEL 4	138KV PANEL 5	600	10	4	M	BS	58		86B1-B TO BFI-826
END										