



**SYSTEM PROTECTION & CONTROL PROJECTS 20413
KENNEDY SUBSTATION
TRANSFORMER TP7SU ADDITION CABLE SCHEDULE**

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. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CABLE LENGTHS. CABLE LENGTHS LISTED ARE APPROXIMATE.

CABLE LEGEND:

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| 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 |
| MV- | MEDIUM VOLTAGE SHIELDED CABLE |

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**CABLE SCHEDULE – TRANSFORMER TP7SU ADDITION
KENNEDY SUBSTATION (SYSTEM PROTECTION AND CONTROL PROJECTS 20413)**

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CABLE #	FROM	TO	VOLT	SIZE	#C	S/M	TYPE	LNGTH ckt ft	CONDUIT	REMARKS
TRANSFORMER TP7SU										
7EGK2810A01	Transformer TP7SU Control Panel K37-EG29-002	Mark VI Control Cabinet-BOP K37-EA27-001	600	10	21	M	BS	150'	7DB04-E2, CABLE TRAYS	Control Cable, reuse existing cable
7EGK2810A02	Transformer TP7SU Control Panel K37-EG29-002	Mark VI Control Cabinet-BOP K37-EA27-001	600	10	21	M	BS	150'	7DB04-E2, CABLE TRAYS	TP7SU Control Cable, reuse existing cable
7EGK2010A04	Transformer TP7SU Control Panel K37-EG29-002	Cubicle 4 K37-EF21-001	600	10	4	M	BS	150'	7DB04-E1, CABLE TRAYS	Control Cable, SR745
TP7SU/TD--1	Transformer TP7SU Control Panel K37-EG29-002	69kV Line Relay Rack K37-EG34-001	600	10	4	M	BS	150'	7DB04-E1, CABLE TRAYS	Primary Protection in CT7 Control/Electrical VBldg.
TP7SU/TD-2	Transformer TP7SU Control Panel K37-EG29-002	69kV Line Relay Rack K37-EG34-001	600	10	4	M	BS	150'	7DB04-E1, CABLE TRAYS	Primary Protection in CT7 Control/Electrical VBldg.
7EFE142003	Transformer TP7SU Control Panel K37-EG29-002	Cubicle 4 K37-EF21-001	600	10	4	M	BS	150'	7DB04-E1, CABLE TRAYS	Transformer Ground, SR745
TP7SU/AC	Transformer TP7SU Control Panel K37-EG29-002	Plant Auxiliary 480V Power Panel K37-EB26-001	600	10	4	M	BS	150'	7DB04-E2, CABLE TRAYS	3 PHASE 480VAC POWER, reuse existing cable
06 – 7F0E1603011	Transformer TP7SU Control Panel K37-EG29-002	DC Panel #8	600	10	2	M	BS	150'	7DB04-E2, CABLE TRAYS	125V DC Power, reuse existing cable
TP7SU-1	Transformer TP7SU	Cubicle 3 K37-EF21-001	4160	750 MCM	3-1/C + #3/0G	S	MV	150'	7CMA001, 7CMB0021, 7DB04-A4, CABLE TRAYS	5kV Cable w/ tape shield, 3/0 equipment ground
TP7SU-2	Transformer TP7SU	Cubicle 3 K37-EF21-001	4160	750 MCM	3-1/C + #3/0G	S	MV	150'	7CMA002, 7CMB0022, 7DB04-B4, CABLE TRAYS	5kV Cable w/ tape shield, 3/0 equipment ground
TP7SU-3	Transformer TP7SU	Cubicle 3 K37-EF21-001	4160	750 MCM	3-1/C + #3/0G	S	MV	150'	7CMA003, 7CMB0023, 7DB04-C4, CABLE TRAYS	5kV Cable w/ tape shield, 3/0 equipment ground
TP7SU-4	Transformer TP7SU	Cubicle 3 K37-EF21-001	4160	750 MCM	3-1/C + #3/0G	S	MV	150'	7CMA004, 7CMB0024, 7DB04-D4, CABLE TRAYS	5kV Cable w/ tape shield, 3/0 equipment ground
TP7SU-5	Transformer TP7SU	Cubicle 3 K37-EF21-001	4160	750 MCM	3-1/C + #3/0G	S	MV	150'	7CMA005, 7CMB0025, 7DB04-E4, CABLE TRAYS	5kV Cable w/ tape shield, 3/0 equipment ground