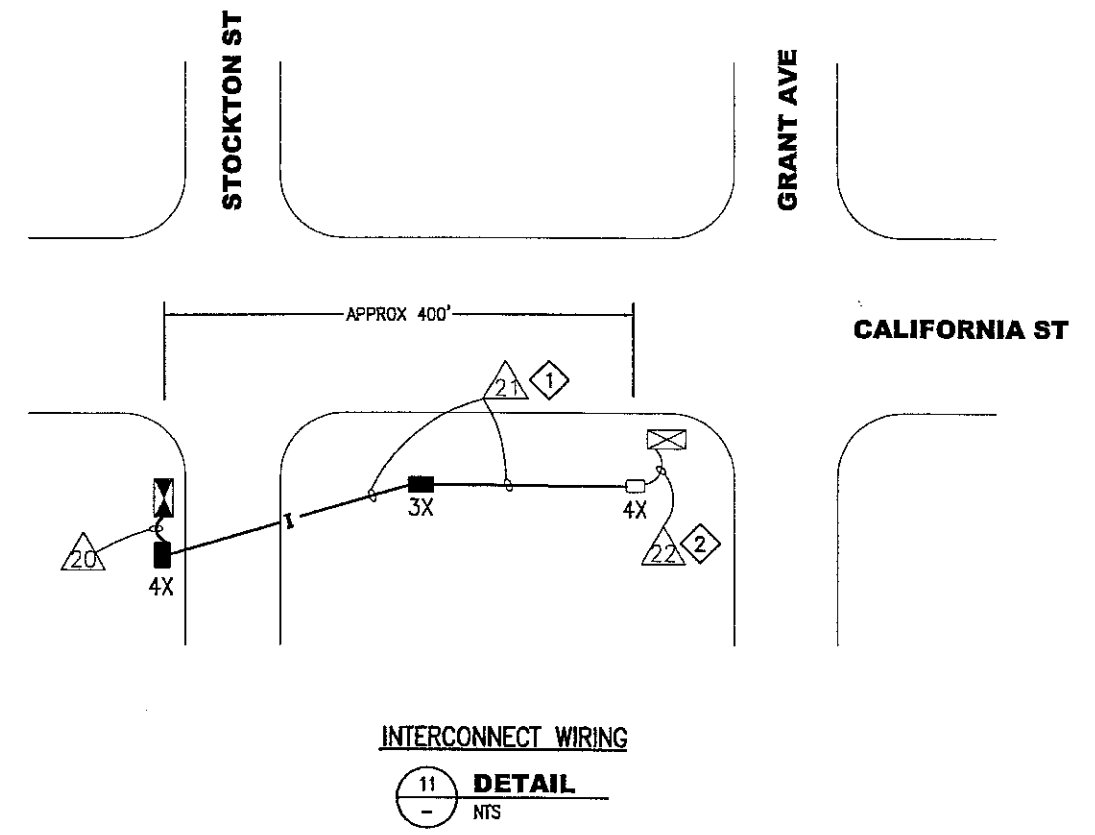
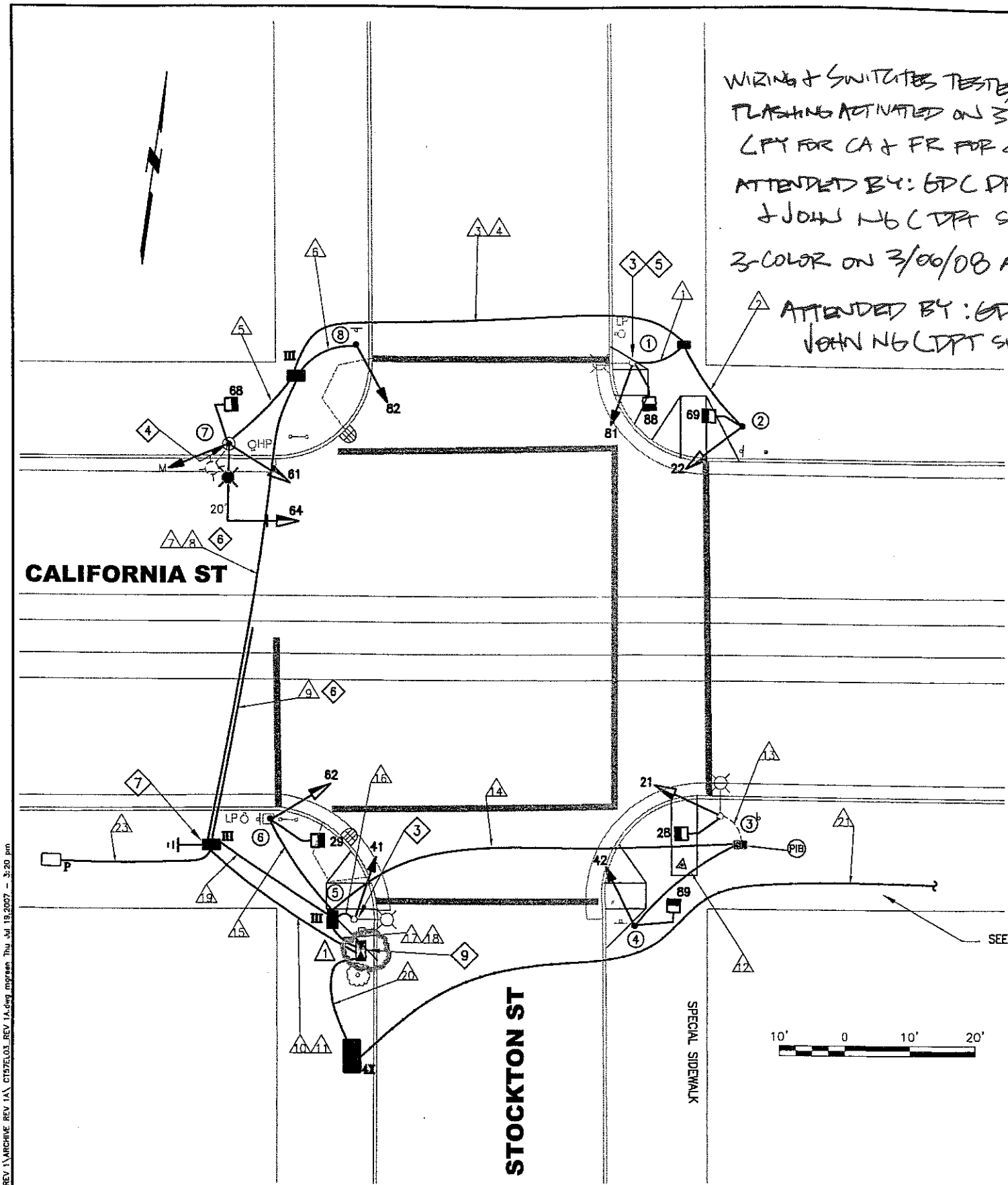


NOTES:

1. F/I 4- 2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE. IN ONE OF THE EMPTY CONDUITS, INSTALL 2- #8 AWG STRANDED COPPER LOCATING WIRES (ONE WITH BLACK INSULATION AND THE OTHER WITH WHITE INSULATION). SEE SECTION 16110 IN CONTRACT SPECIFICATIONS.
2. F/I 1- 12/C CABLE AND ROUTE THROUGH (E) CONDUITS.
3. CHIP FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
4. R/S (E) STANDARD, R/C (E) FOUNDATION, AND F/I (N) STANDARD AND FOUNDATION IN PLACE AS SHOWN.
5. SPLICE (N) SL WIRING TO (E) SL WIRING, AT POLE 1 FOR SL ON POLE 7, TO MAINTAIN SL CIRCUIT.
6. SEE CV-06 FOR CONDUIT INSTALLATION UNDER CABLE CAR TRACKWAY DETAILS.
7. F/I IN-LINE FUSE HOLDER WITH 40 A FUSE FOR IC SERVICE.
8. ROADWAY STRIPING TO BE DONE BY CITY FORCES.
9. F/I PADLOCKABLE STAINLESS STEEL NEMA 4X ENCLOSURE (12" x 12" x 6") ON EXTERIOR OF I/C 48" FROM GRADE. F/I 12-POINT TERMINAL BLOCK INSIDE ENCLOSURE AND 2" GRS CONDUIT BETWEEN THE ENCLOSURE AND THE I/C.

WIRING & SWITCHES TESTED ON 11/27/07
FLASHING ACTIVATED ON 3/04/08 AT 11:15 AM
(FY FOR CA & FR FOR STOCKTON)
ATTENDED BY: GPC DPT, EDRE TSU (DPT)
& JOHN NG (DPT SIGNAL SHOP)
3-COLOR ON 3/06/08 AT 8:50 AM
ATTENDED BY: GPC (DPT) &
JOHN NG (DPT SIGNAL SHOP)



FOR ORIGINAL SIGNATURES, SEE DRAWING NO. CL-16786 REV.0

F:\Control\57\Drawing\Electrical\REV 1\ARCHIVE REV 1A\CL16786.03 REV 1A.dwg mgreen Thu Jul 19, 2007 3:20 pm

REVISIONS		DESCRIPTION	REVISED	CHECKED	APPROVED
1	7-19-07	F/I (N) NEMA 4X ENCLOSURE ON (N) I/C.	MG	GD	QX

DESIGNED	MEGHAN GREEN
DRAWN	MEGHAN GREEN
CHECKED	QINGWEN XI
REVIEWED	JIM WEN
RECOMMENDED	MEGHAN GREEN
APPROVED	WILLIAM NEILSON
DATE	



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
APPROVED
for the DIRECTOR of TRANSPORTATION

NEW TRAFFIC SIGNALS PROJECT 57	
TRAFFIC SIGNAL WORK CALIFORNIA & STOCKTON	

CONTRACT	1217
DRAWING	CL-16786
EL-03	REVISION
EL-13	0

CONDUIT AND WIRING SCHEDULE																											
CONDUIT RUN NUMBER	△1	△2	△3	△4	△5	△6	△7	△8	△9	△10	△11	△12	△13	△14	△15	△16	△17	△18	△19	△20	△21	△22	△23				
CONDUIT SIZE (INCH)	2	2	2	1.5	2	2	3	3	2	3	2	2	EX	2	2	2	3	2	2	3	4x2	EX	2				
NOTES				GRSC SL			GRSC	GRSC SP	GRSC								SP	SP			1	2					
#14 WIRES																											
VEH SIGNAL 81	3		3				3			3																	
PED SIGNAL 88	2		2				2			2																	
VEH SIGNAL 22		3	3				3			3																	
PED SIGNAL 69		2	2				2			2																	
VEH SIGNAL 61					3		3			3																	
VEH SIGNAL 64					3		3			3																	
PED SIGNAL 68					2		2			2																	
VEH SIGNAL 82						3	3			3																	
VEH SIGNAL 42											3			3			3										
PED SIGNAL 89										2				2			2										
VEH SIGNAL 21											3	3		3			3										
PED SIGNAL 26											2	2		2			2										
PED SIGNAL 29														2			2										
VEH SIGNAL 62														3			3										
VEH SIGNAL 41															3		3										
#14 NEUTRAL	2	2			3	1					2	2		2	1												
SPARE			3		2	5				5			3		2	5											
TOTAL #14 WIRES	7	7	13		11	6	26			26		7	7	13	7	6	23										
#10 WIRES NEUTRAL			1			2				2				1		2											
STREET LIGHT #10 WIRE					2																						
STREET LIGHT #8 WIRE	2			2																							
#8 WIRES (120V SERVICE)											2															2	
#6 BSCW (SEE SHEET NOTE 3)																											
12/C INTERCONNECT																					1	1	1				

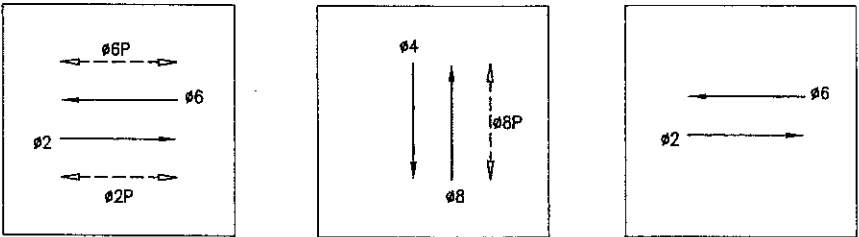
NOTES:

- F/I 4- 2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE. IN ONE OF THE EMPTY CONDUITS, INSTALL 2- #8 AWG STRANDED COPPER LOCATING WIRES (ONE WITH BLACK INSULATION AND THE OTHER WITH WHITE INSULATION). SEE SECTION 16110 IN CONTRACT SPECIFICATIONS.
- F/I 1- 12/C AND ROUTE THROUGH (E) CONDUITS.
- SEE GROUNDING LAYOUT ON EL-12, DETAIL 5 AND SECTION 16120 IN CONTRACT SPECIFICATIONS.
- F/I WITH INTEGRAL BALLAST AND PHOTO-ELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDWSF 49,092.

POLE AND EQUIPMENT SCHEDULE

POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/ WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	EX. SL		81	3S8"	SV-1-T	T		88	1S-COUNT	SP-1	
②	1-A (10')		22	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	
③	EX. SL		21	3S12"	SV-1-T	T		28	1S-COUNT	SP-1	
④	1-A (10')		42	3S8"	TV-1	T		89	1S-COUNT	SP-1	
⑤	EX. SL		41	3S8"	SV-1-T	T					
⑥	1-A (13')		62	3S12"	TV-1-T	T		29	1S-COUNT	SP-1	
⑦	17B-1-70 W/ 20' MASTARM & 6' LUMINAIRE	HPS 120V/200W 4	64 61	3S12" 3S12"	MAS SV-1-T	T T		68	1S-COUNT	SP-1	BP MOUNT 61 @ 13'
⑧	1-A (10')		82	3S8"	TV-1	T					

PHASE DIAGRAM



CABLE CAR PRE-EMPTION

PHASE SEQUENCE

G	Y	R	CALIFORNIA ST.
R	G	Y	STOCKTON ST.
WM	FRH	RH	PED XING STOCKTON ST.
RH	WM	FRH	PED XING CALIFORNIA ST.

F:\Contract 37\Drawings\Electrical\ C157E104_M06.dwg Joudismul Tue Mar 23 2009 - 4:25 pm

NO.	DATE	DESCRIPTION	REVISION	CHECKED	APPROVED

DESIGNED: *[Signature]*
CHECKED: *[Signature]*
REVIEWED: *[Signature]*
RECOMMENDED: *[Signature]*
APPROVED: *[Signature]*
DATE: *[Signature]*



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
APPROVED
for the DIRECTOR of TRANSPORTATION

NEW TRAFFIC SIGNALS
PROJECT 57
CALIFORNIA ST & STOCKTON ST
CONDUIT, WIRING & EQUIPMENT SCHEDULES

CONTRACT 1217
DRAWING CL-NO
EL-04
EL-13
REVISION 0