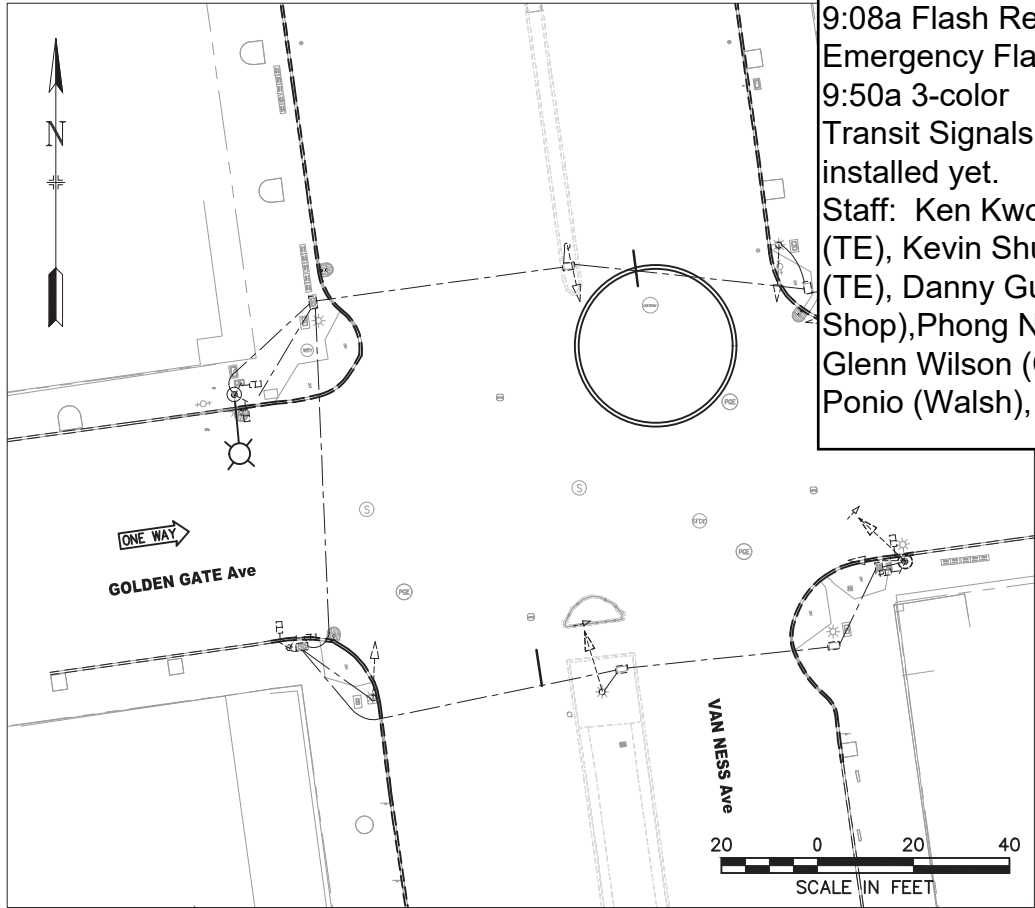


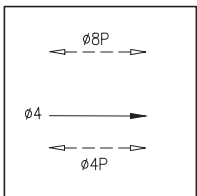
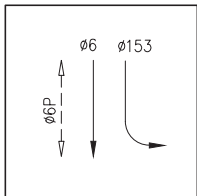
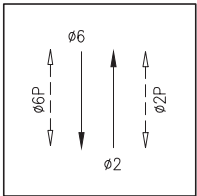
T:\E-FILES\Spa\Projects\Van Ness BRT\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:14 pm



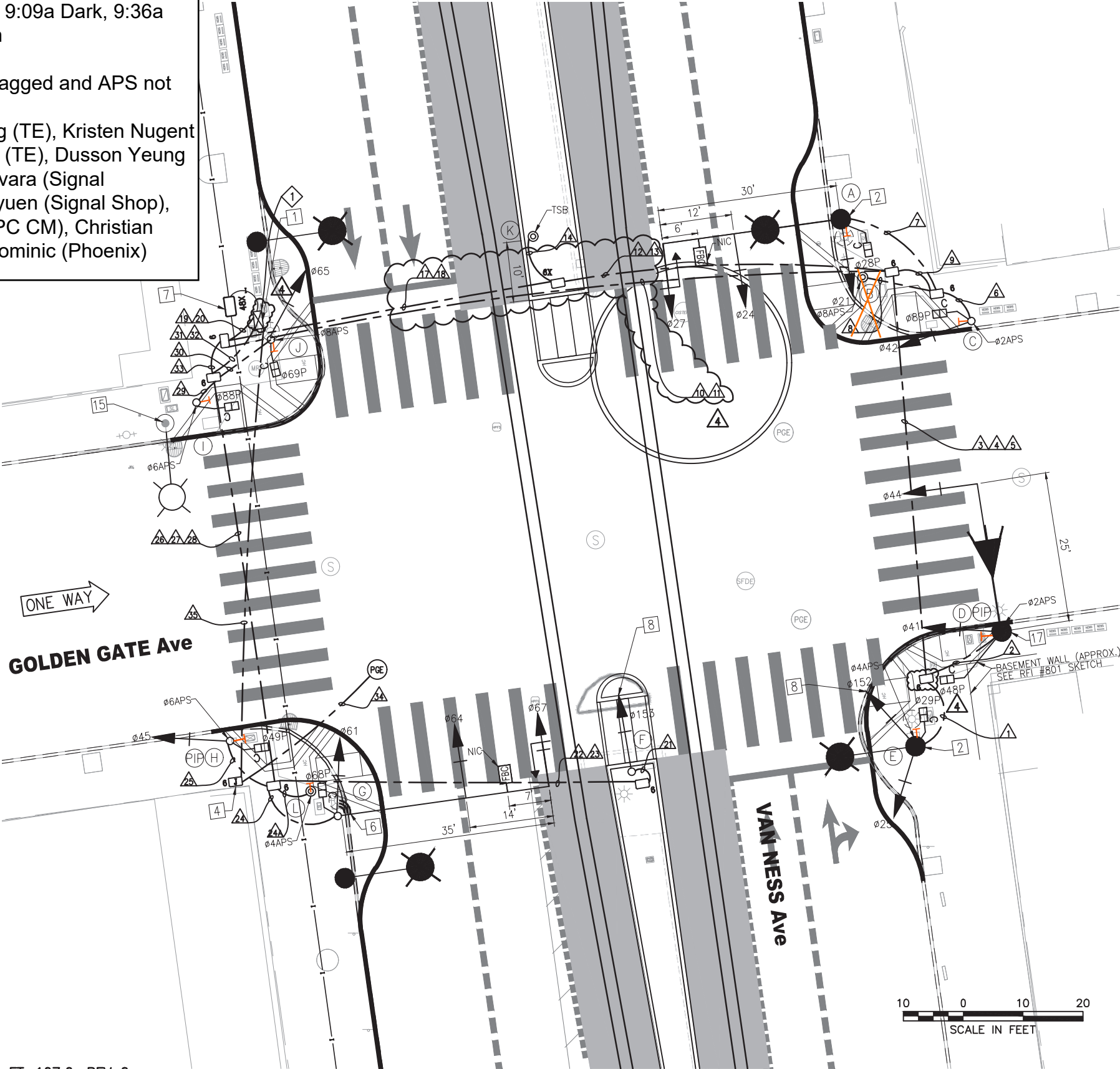
EXISTING EQUIPMENT

DETAIL NOTES:

- 1 THE CONTRACTOR SHALL CONTACT CLEAR CHANNEL TO RELOCATE NEWSPAPER RACKS TO INSTALL TRAFFIC SIGNAL CABINET.



PHASE DIAGRAM



5 3/16/22 APS for crossing VN north side on Pole A

FOR ORIGINAL SIGNATURES, SEE ET-107.0, REV 0

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
4	11/10/20	CONFORMED SET: UPDATED W/ RFI#801, #932 & FM#223	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	3/26/18	ADDED PPB POLE L, PIP POLES, AND PER POLE LAYOUT	KK	MV	CL
1	03/2018	ADDED FBC SIGNS ON POLES A AND G, ADDED TYPE 6X PULLBOX	KK	MV	CL

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/C. LIU
REVIEWED	C. LIU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED

for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

GOLDEN GATE AVENUE
TRAFFIC SIGNAL WORK

1289

ET-107.0

ET-204

REVISION

5

F:\T.E. FILES\Spa\Projects\Van Ness BR\Signal Design\CADD\ CPTB-01ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:14 pm

POLE AND EQUIPMENT SCHEDULE													
POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
	TYPE	SIG. MA (FEET)	OCS SL	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
(A)	SIGNAL, SL & OCS COMBO POLE	30	602 62	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		28	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH SEE ST PLANS FOR POLE DETAILS TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(B)	PPBP POLE	-		-	-	-	-		-	-	-	-	APS
(C)	1-A (10')	-		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	-	APS
(D)	19-2-100	25	53	41 44	3S12" 3S12"	SV-1-T MAS	T T		48	1S-COUNT	SP-1	-	APS PIP - INSTALL POLE IN PLACE OF EXISTING POLE
(E)	SIGNAL, SL & OCS COMBO POLE	-	590 58	25 152	3S12" 3S12"LB	SV-2-TA	T		29	1S-COUNT	SP-1	-	APS
(F)	1-A (10')	-		153	3S12"LB	TV-1-T	T		-	-	-	-	
(G)	SPECIAL MAST ARM POLE (23-4-100)	35		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		68	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH APS TSP TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(H)	1-A (10')	-		45	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	-	APS PIP - INSTALL POLE IN PLACE OF EXISTING POLE
(I)	1-A (7')	-		-	-	-	-		88	1S-COUNT	TP-1	-	APS
(J)	1-A (10')	-		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	-	APS TSP
(K)	TSB POLE	-		-	-	-	-		-	-	-	-	TSB
(L)	PPBP POLE	-		-	-	-	-		-	-	-	-	APS

MOUNT SIGNAL 27 BETWEEN YELLOW AND GREEN

APS <1>

MOUNT SIGNAL 67 BETWEEN YELLOW AND GREEN

*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- ◇ INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- ◇ INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- ◇ INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- ◇ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

5/3/16/22 APS for crossing VN north side on Pole A KK MV CL

4	11/10/20	CONFORMED SET: UPDATED WITH RFI#961 & 998	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	3/28/18	ADDED NEW PPB POLE L & PIP POLES PER POLE LAYOUT	KK	MV	CL
1	03/2018	UPDATED POLE STANDARD AND SPECIAL REQUIREMENT;	KK	MV	CL
		UPDATED POLES A AND G; ADDED FBC TENON NOTE			

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

FOR ORIGINAL SIGNATURES, SEE ET-107.1, REV 0

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/G. LIU
REVIEWED	C. LIU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED

for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

GOLDEN GATE AVENUE
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289

ET-107.1

ET-204

REVISION

5

F:\T.E. FILES\Spgo\Projects\Van Ness BR\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:14 pm

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	24	24A	25	26	27	28	29	30	31	32	33	34	35							
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	1	3	2	2	2	2	1	2	2	2	2	3	2	2	2	2	2	1	2	2	2	2	2	2	3	2	2	3	2							
				SP	SP								SP	SP	GRS			SP		SP			SP				3		SP				SP	SP									
TRANSIT SIGNAL Ø152	3		3							3									3																								
VEHICLE SIGNAL Ø25	3		3							3									3																								
PED SIGNAL Ø29P	2		2							2									2																								
APS PPB FOR XING VAN NESS SS ON POLE E	2		2							2									2																								
VEHICLE SIGNAL Ø44		3	3							3									3																								
VEHICLE SIGNAL Ø41		3	3							3									3																								
PED SIGNAL Ø48P		2	2							2									2																								
APS PPB FOR XING GOLDEN GATE ES ON POLE D		2	2							2									2																								
VEHICLE SIGNAL Ø42						3			3		3								3																								
PED SIGNAL Ø89P						2			2		2								2																								
APS PPB FOR XING GOLDEN GATE ES ON POLE C						2			2		2								2																								
VEHICLE SIGNAL Ø21							3		3		3								3																								
VEHICLE SIGNAL Ø24							3		3		3								3																								
VEHICLE SIGNAL Ø27							3		3		3								3																								
PED SIGNAL Ø28P							2		2		2								2																								
APS PPB FOR XING VAN NESS NS ON POLE A							2		2		2								2																								
TSB ON POLE K														2	2		2		2																								
TRANSIT SIGNAL Ø153																					3	3				3	3					3	3										
VEHICLE SIGNAL Ø61																								3			3							3									
VEHICLE SIGNAL Ø64																								3			3							3									
VEHICLE SIGNAL Ø67																								3			3							3									
PED SIGNAL Ø68P																								2			2							2									
APS PPB FOR XING VAN NESS SS ON POLE L																									2		2						2										
VEHICLE SIGNAL Ø45																										3	3						3										
PED SIGNAL Ø49P																											2	2					2										
APS PPB FOR XING GOLDEN GATE WS ON POLE H																											2	2					2										
PED SIGNAL Ø88P																															2		2										
APS PPB FOR XING GOLDEN GATE WS ON POLE I																														2		2											
VEHICLE SIGNAL Ø65																																3	3										
PED SIGNAL Ø69P																																2	2										
APS PPB FOR XING VAN NESS NS ON POLE J																																2	2										
#14 NEUTRAL	3	3				2	4																	4		2				1	2												
#14 SPARE			3						3	3	3								6			3					3					3											
TOTAL #14 WIRES	13	13	23			9	17	2	23	23	23			2	25	23	2		48	3	6		17	2	9	26		5	9	37													
#10 WIRES NEUTRAL			1						1	1	1								2	1	1					2																	
#4 WIRES (120 V SERVICE)																																											
#8 WIRES (120 V SERVICE)																																											
#6 BSCW (SEE GENERAL NOTE 10)																																											
TSP RECEIVER (10 CONDUCTOR CABLE)																																											

4 3/16/22 APS for crossing VN north side on Pole A

3	11/10/20	CONFORMED SET: UPDATED W/ RFI #591 AND #932	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
1	3/26/18	ADDED NEW PPB POLE L, CONDUIT 24A, AND WIRES	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/C. LUU
REVIEWED	C. LUU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED

for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

GOLDEN GATE AVENUE
CONDUIT & WIRING SCHEDULES

1289

ET-107.2

ET-204

REVISION

4