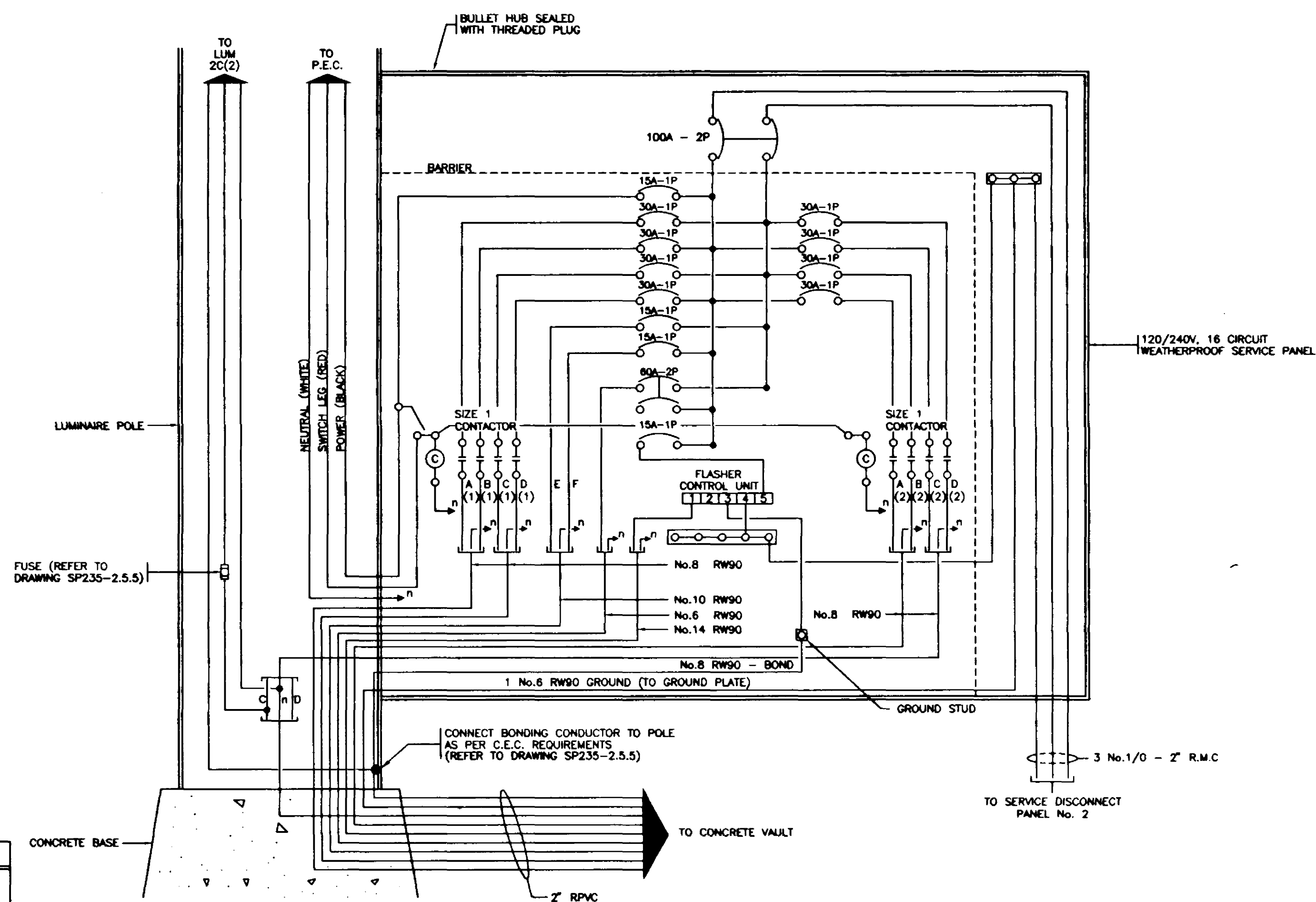


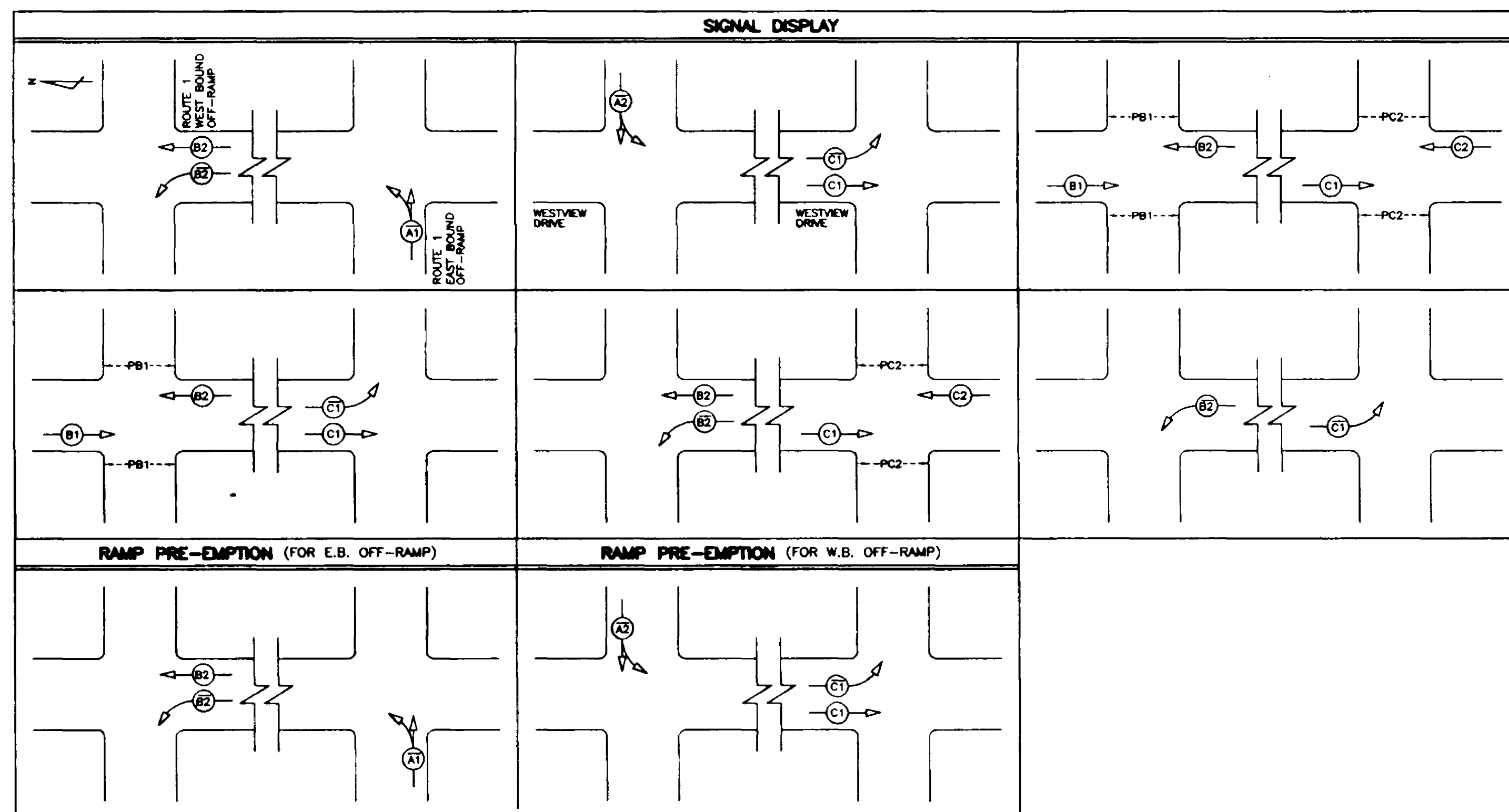
DETECTOR LOOP DETAILS						
LOOP No.	LOOP		INDUCTANCE			MOVEMENT
	SIZE	TURNS	LOOP	LEAD	TOTAL	
L 1	1.8 x 1.8	4	120	22	142	A1
L 2	1.8 x 1.8	4	120	22	142	A1
L 3	1.8 x 1.8	4	120	22	142	A1
L 4	1.8 x 1.8	4	120	22	142	A1
L 5	1.8 x 1.8	4	120	42	162	C1
L 6	1.8 x 1.8	4	120	42	162	C1
L 7	1.8 x 1.8	4	120	42	162	C1
L 8	1.8 x 1.8	4	120	42	162	C1
L 9	1.8 x 1.8	4	120	42	162	C1
L 10	1.8 x 1.8	4	120	127	367	B1
L 11	1.8 x 1.8	6	252	127	379	B1
L 12	1.8 x 1.8	6	252	148	400	B1
L 13	1.8 x 1.8	5	180	86	266	A2
L 14	1.8 x 1.8	5	180	86	266	A2
L 15	1.8 x 1.8	5	180	86	266	A2
L 16	1.8 x 1.8	5	180	86	266	A2
L 17	1.8 x 1.8	4	120	58	178	B2
L 18	1.8 x 1.8	4	120	58	178	B2
L 19	1.8 x 1.8	4	120	58	178	B2
L 20	1.8 x 1.8	4	120	58	178	B2
L 21	1.8 x 1.8	4	120	54	174	C2
L 22	1.8 x 1.8	4	120	54	174	C2
L 23	1.8 x 1.8	4	120	54	174	C2
L 24	1.8 x 1.8	4	120	95	335	RAMP PRE-EMPT. DELAY DETECTOR
L 25	1.8 x 1.8	4	120	95	335	RAMP PRE-EMPT. DELAY DETECTOR
L 26	1.8 x 1.8	5	180	169	529	RAMP PRE-EMPT. DELAY DETECTOR
L 27	1.8 x 1.8	5	180	169	529	RAMP PRE-EMPT. DELAY DETECTOR
L 28	1.8 x 1.8	4	120	8	248	COUNTING
L 29	1.8 x 1.8	4	120	8	248	COUNTING
L 30	1.8 x 1.8	4	120	112	352	COUNTING
L 31	1.8 x 1.8	4	120	112	352	COUNTING
L 32	1.8 x 1.8	4	120	46	286	COUNTING
L 33	1.8 x 1.8	4	120	46	286	COUNTING
L 34	1.8 x 1.8	6	252	159	411	COUNTING

COLOUR CODE		
ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
A1	RED	RED
	YELLOW	YELLOW
	GREEN	BLUE (WHITE T.T.)
A2	RED	RED (RED T.T.)
	YELLOW	BLUE
	GREEN	BLUE (WHITE T.T.)
B1	RED	BROWN
	YELLOW	BLUE
	GREEN	BLUE
B2	RED	BROWN (ORANGE T.T.)
	YELLOW	BLUE
	GREEN	ORANGE (WHITE T.T.)
C1	RED	ORANGE
	YELLOW	BLUE
	GREEN	ORANGE (WHITE T.T.)
C2	RED	ORANGE (BLUE T.T.)
	YELLOW	BLUE
	GREEN	ORANGE (WHITE T.T.)
PA1 (SPARE)	DON'T WALK	YELLOW
	WALK	PURPLE/PURPLE (YELLOW T.T.)
	PUSH BUTTON	PURPLE/PURPLE (YELLOW T.T.)
PA2 (SPARE)	DON'T WALK	YELLOW (RED T.T.)
	WALK	PURPLE/PURPLE (RED T.T.)
	PUSH BUTTON	PURPLE/PURPLE (RED T.T.)
PB1	DON'T WALK	BROWN
	WALK	PURPLE/PURPLE (BROWN T.T.)
	PUSH BUTTON	PURPLE/PURPLE (BROWN T.T.)
PC2	DON'T WALK	ORANGE (BLUE T.T.)
	WALK	BLUE
	PUSH BUTTON	PURPLE/PURPLE (ORANGE T.T.)
CONTROLLER POWER		BLACK
LUMINAIRE OCT. 'A' 'C' 'E' 'G'		RED
LUMINAIRE OCT. 'B' 'D' 'F' 'H'		BLACK
ISLAND FLASHER		ORANGE
NEUTRAL		WHITE
GROUND/BOND		GREEN

NOTE: T.T. DENOTES TAPE TRACER.



WIRING DIAGRAM - DISTRIBUTION PANEL No. 2  
N.T.S.



LEGEND					
<ul style="list-style-type: none"> <li>PROPOSED CONCRETE BASE WITH FUTURE LUMINAIRE POLE</li> <li>CONCRETE BASE AND JUNCTION BOX</li> <li>JUNCTION BOX - No. DENOTES TYPE</li> <li>LUMINAIRE POLE (SINGLE) "F" DENOTES FRANGIBLE BASE "B" DENOTES BREAKAWAY BASE</li> <li>DOUBLE LUMINAIRE POLE</li> <li>POST TOP MOUNTED LUMINAIRE</li> <li>TRAFFIC SIGNAL POLE WITH DAVIT AND SIDE OF POLE MOUNTED HEADS</li> <li>COMBINATION LUMINAIRE/DAVIT MOUNTED TRAFFIC SIGNAL POLE</li> <li>POST TOP MOUNTED SIGNAL</li> </ul>	<ul style="list-style-type: none"> <li>EXISTING CONCRETE BASE WITH FUTURE LUMINAIRE POLE</li> <li>CITY OR DISTRICT OF NORTH VANCOUVER LUMINAIRE POLE</li> <li>DAVIT MOUNTED ILLUMINATED SIGN POLE WITH AMBER FLASHERS</li> <li>COMBINATION LUMINAIRE/DAVIT MOUNTED ILLUMINATED SIGN WITH AMBER FLASHERS</li> <li>DAVIT MOUNTED SIGN (NON-ILLUMINATED)</li> <li>DAVIT MOUNTED ILLUMINATED SIGN POLE</li> <li>COMBINATION LUMINAIRE/DAVIT MOUNTED NON-ILLUMINATED SIGN POLE</li> <li>BREAKAWAY SIGN (NON-ILLUMINATED)</li> <li>ILLUMINATED BREAKAWAY SIGN</li> </ul>	<ul style="list-style-type: none"> <li>PEC PHOTO ELECTRIC CELL</li> <li>RPVC RIGID P.V.C. CONDUIT</li> <li>R.M.C. RIGID METALLIC CONDUIT</li> <li>F.M.C. FLEXIBLE METALLIC CONDUIT (LIQUID TIGHT)</li> <li>OVERHEAD FLASHING BEACON</li> <li>POST MOUNTED FLASHER</li> <li>BACKGUY</li> <li>POWER POLE</li> <li>TELEPHONE POLE</li> <li>POWER/TELEPHONE POLE</li> </ul>	<ul style="list-style-type: none"> <li>TEST SWITCH</li> <li>BREAKER</li> <li>NEUTRAL BAR</li> <li>VEHICLE DETECTOR LOOP</li> <li>A,B,A1,A2,ETC. SIGNAL HEAD VEHICLE PHASE</li> <li>PA,PB,PA1,PB2,ETC. SIGNAL HEAD PEDESTRIAN PHASE</li> <li>PEDESTRIAN PUSHBUTTON</li> <li>U/G UTILITY</li> <li>"G" DENOTES GAS</li> <li>"S" DENOTES STORM DRAINS/SEWERS</li> <li>"W" DENOTES WATER</li> <li>"E" DENOTES ELECTRIC</li> <li>"UT" DENOTES TELEPHONE</li> <li>"SAN" DENOTES SANITARY SEWER</li> </ul>	<ul style="list-style-type: none"> <li>RAISED CURB</li> <li>PROPERTY LINE</li> <li>EDGE OF GRAVEL SHOULDER</li> <li>EDGE OF PAVEMENT</li> <li>PAINT LINE</li> <li>PROPOSED UNDERGROUND CONDUIT</li> <li>EXISTING UNDERGROUND CONDUIT</li> <li>FENCE</li> <li>CORRUGATED METAL PIPE (CULVERT)</li> <li>RETAINING WALL</li> <li>SOUND WALL</li> <li>CONCRETE ROADSIDE OR MEDIAN BARRIER</li> </ul>	

**WALTER & SCI Construction (Canada) Ltd.**

202-8525 BAXTER PLACE, BURNABY, BC V5A 4V7 TEL: 604-421-4125 FAX: 604-421-8344

**SHAFLIK ENGINEERING LTD.**

**ELECTRICAL CONSULTANTS**

202-8525 BAXTER PLACE, BURNABY, BC V5A 4V7 TEL: 604-421-4125 FAX: 604-421-8344

ELECTRICAL DESIGN APPROVED	DATE	DESIGNED	D.S.M.	DATE	NOV/95
SCALE AS NOTED	VOLTAGE	120/240			
HWY. DISTRICT HOWE SOUND	CHECKED	D.J.W.	DATE	95-12-20	
REV. DATE	DESCRIPTION	COMS	QC/QA		
A 95-06-14	SIGNAL DISPLAY, DETECTOR LOOP DETAILS & WIRING DIAGRAM REVISED	D.S.M.	A.J.		
B 95-11-12	SIGNAL DISPLAY, DETECTOR LOOP DETAILS & COLOUR CODE REVISED	D.S.M.	A.J.		
C 97-07-28	RECORD DRAWING				

Province of British Columbia  
MINISTRY OF TRANSPORTATION AND HIGHWAYS

WESTVIEW INTERCHANGE DESIGN BUILD

**SIGNALS, LIGHTING AND DIRECTIONAL SIGNING INSTALLATION**  
**HOWE SOUND DISTRICT - HIGHWAY No.1**  
**UPPER LEVELS HIGHWAY / WESTVIEW DRIVE INTERCHANGE**  
**NORTH VANCOUVER**

**WIRING DIAGRAM - SIGNAL DISPLAY - DETAILS**

PREPARED UNDER THE DIRECTION OF South Coast Regional Office 7818 - 8th Street Burnaby, BC V5N 4N8	ORIGINAL SIGNED BY D.J. WONG CONSULTANT DATE 95-02-14	ACCEPTED FOR CONSTRUCTION ORIGINAL SIGNED BY A. JACK QC/QA MANAGER DATE 95-02-18
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SHEET No. 10 OF 22  
PROJECT No. 06838  
REG. 1  
DRAWING No. TE-95094-10

CANCEL PRINTS BEARING PREVIOUS LETTER