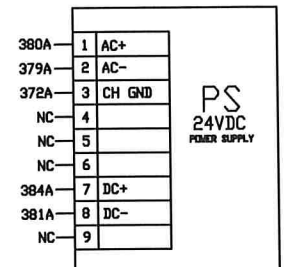
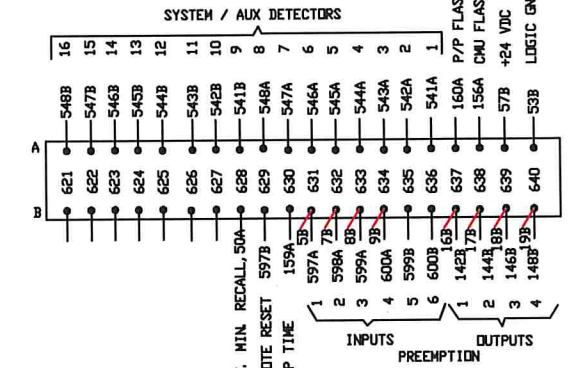
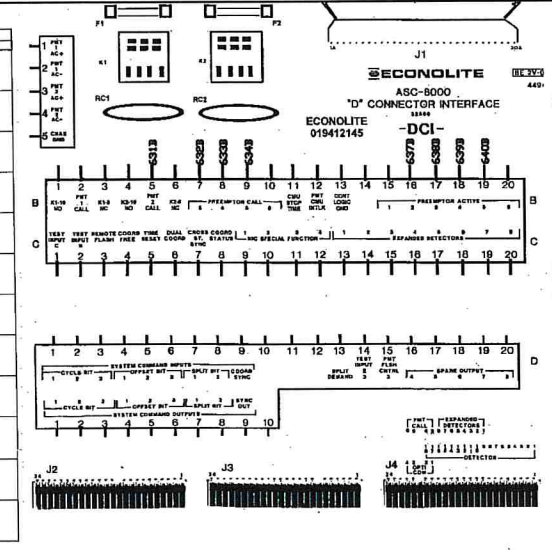
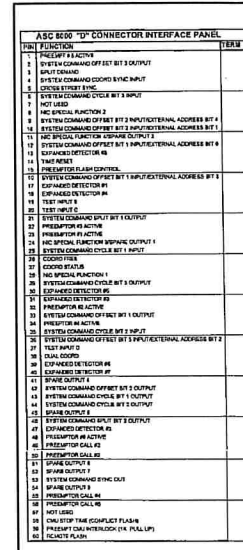
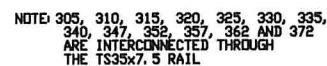


1 (A) 2 (B) 3 (C)

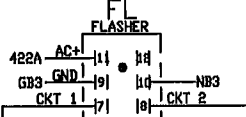
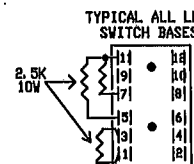




MAIN I/O BLOCK	⊕ SA1 THROUGH SA7 ARE WIRED TO ACCEPT VEH DET. OR EVP DISCRIMINATOR OR PPB ISOLATOR.				⊕SA1			⊕SA2			⊕SA3			⊕SA4			⊕SA5			⊕SA6			⊕SA7			SA8			FUNCTIONS											
	WIRE COLOR	SA I/O BLOCK	EDGE CONN. SA-PIN	Pin 10 of the edge conn. can be jumpered for use as CH4 delay inhibit. Jumpering will disable addressing.	CH 1 CH 2 CH 3 CH 4	PHASE	FUNC	DET	PHASE	FUNC	DET	PHASE	FUNC	DET	PHASE	FUNC	DET	PHASE	FUNC	DET	PHASE	FUNC	DET	PHASE	FUNC	DET	PPB ISOLATION	PHASE	CH 1 CH 2 CH 3 CH 4	MODEL	1-CALL&EXTEND 2-CALL ONLY 3-EXTEND ONLY 4-CALL ONLY DENS 5-DLY CALL ONLY 6-DLY CALL ONLY 7-DENSITY 8-INHED EXTEND 9-CARRY OVER 10-ADVISORY 11-SAMPLING --SPECIAL-- --SEE NOTE--									
						2	1	2-1	6	1	6-1	4	1	4-1	4	1	4-3	8	1	8-1	8	1	8-3																	
						2	1	2-2	6	1	6-2	4	1	4-2																										
						2	1	2-3	6	1	6-3																													
MODEL																																								
1	BLK/YEL		A	DC GROUND																																				
2	RED		B	24V DC+																																				
3	BLK/BLU		C	REMOTE RESET																																				
	BRN	3	D-4	CH 1 LOOP	303A				345A			313A			355A			323A			365A			333A			301A			INPUT CH 1		D								
	WHT/BRN	4	E-5	CH 1 LOOP	304A				346A			314A			356A			324A			366A			334A			379B			INPUT COMMON		E								
5	ORANGE		6	ADDRESS BIT #0	619B				SA1-15			SA2-10			SA3-15			SA4-15			SA5-10			SA6-15			NC													
	WHT/BLU	5	F	CH 1 OUTPUT (+)	561B				563B			565B			567B			569B			571B			573B			577B			OUTPUT CH 1 (+)		F								
	BLUE	6	H	CH 1 OUTPUT (-)	501B				505B			509B			513B			517B			521B			525B			529B			OUTPUT CH 1 (-)		H								
	BLK/RED	7	J-8	CH 2 LOOP	306A				348A			316A			358A			326A			368A			336A			302A			INPUT CH 2		J								
	BLK/WHT	8	K-9	CH 2 LOOP	307A				349A			317A			359A			327A			369A			337A			378B			INPUT COMMON		K								
6	YELLOW		10	ADDRESS BIT #1	619A				SA1-6			SA3-6			SA4-6			SA4-10			SA5-15			SA7-6			NC													
12	GREEN	L		CHASSIS GROUND	340A																									CHASSIS GROUND		L								
15	WHITE	M		AC-	378A																									AC-		M								
13	BLACK	N		115V AC+	380A																									115V AC+		N								
	ORANGE	9	P-13	CH 3 LOOP	308A				350A			318A			360A			328A			370A			338A			343A			INPUT CH 3		P								
	WHT/OR	10	R-14	CH 3 LOOP	309A				351A			319A			361A			329A			371A			339A			377B			INPUT COMMON		R								
			15	ADDRESS BIT #2	SA1-10				SA2-6			SA2-15			SA3-10			SA5-6			SA6-10			SA7-10			NC													
	WHT/GRY	11	S	CH 3 OUTPUT (+)	562B				564B			566B			568B			570B			572B			574B			579B			OUTPUT CH 3 (+)		S								
	GREY	12	T	CH 3 OUTPUT (-)	503B				507B			511B			515B			519B			523B			527B			531B			OUTPUT CH 3 (-)		T								
	YELLOW	13	U-17	CH 4 LOOP	311A				353A			321A			363A			331A			373A			341A			344A			INPUT CH 4		U								
	WHT/YEL	14	V-18	CH 4 LOOP	312A				354A			322A			364A			332A			374A			342A			377A			INPUT COMMON		V								
	WHT/VIO	15	W	CH 2 OUTPUT (+)	601B				603B			605B			607B			609B			611B			613B			578B			OUTPUT CH 2 (+)		W								
	VIOLET	16	X	CH 2 OUTPUT (-)	502B				506B			510B			514B			518B			522B			526B			530B			OUTPUT CH 2 (-)		X								
	WHT/GRN	17	Y	CH 4 OUTPUT (+)	602B				604B			606B			608B			610B			612B			614B			580B			OUTPUT CH 4 (+)		Y								
	WHT/BLK	18	Z	CH 4 OUTPUT (-)	504B				508B			512B			516B			520B			524B			528B			532B			OUTPUT CH 4 (-)		Z								
	WHT/RED	1	1	CH 1 GREEN	554A				555A			556A			557A			558A			559A			560A			---			CH1 DELAY INHIBIT										
	RED	2	2	CH 2 GREEN	554B				555B			556B			557B			558B			559B			560B			---			CH2 DELAY INHIBIT										
	YEL/RED	A	3	CH 3 GREEN	521A				522A			523A			524A			525A			526A			527A			---			CH3 DELAY INHIBIT										
	OR/RED	B	10	CH 4 GREEN	521B				522B			523B			524B			525B			526B			527B			---			CH4 DELAY INHIBIT										
8	GREY		19	DATA TRANSMIT	620A																																			
10	VIOLET		21	DATA RECEIVE	620B																																			
4	WHT/BLU		7	CH 1 STATUS OUT																																				
9	WHT/VIO		20	CH 2 STATUS OUT																																				
7	WHT/GRY		16	CH 3 STATUS OUT																																				
11	WHT/GRN		22	CH 4 STATUS OUT																																				

		LS	1	2	3	4	5	6	7	8	9	10	11	12
		CONT Ø	1	2	3	4	5	6	7	8	2P	4P	6P	8P
		PLAN Ø												
I N	GREEN / WALK	10	62A	69A	76A	82A	102A	109A	116A	122A	72A	85A	112A	125A
	YELLOW/PED CLR	8	63A	70A	77A	83A	103A	110A	117A	123A	142B	144B	146B	148B
	RED/DON'T WALK	6	64A	71A	78A	84A	104A	111A	118A	124A	73A	86A	113A	126A
O U T	GREEN / WALK	7	201A	207A	213A	219A	225A	231A	237A	243A	249A	255A	261A	267A
	YELLOW	5	FP1-13	FP2-13	FP3-13	FP4-13	FP5-13	FP6-13	FP7-13	FP8-13	251A	257A	263A	269A
	RED/DON'T WALK	3	FP1-1	FP2-1	FP3-1	FP4-1	FP5-1	FP6-1	FP7-1	FP8-1	253A	259A	265A	271A
P O W E R	+24 VDC	9	LS2-9	LS1-9	LS2-9	LS3-9	LS4-9	LS5-9	LS6-9	LS7-9	LS8-9	LS9-9	LS10-9	LS11-9
	CHASSIS GROUND	2	LS2-2	LS1-2	LS2-2	LS3-2	LS4-2	LS5-2	LS6-2	LS7-2	LS8-2	LS9-2	LS10-2	LS11-2
	AC COMMON	11	NB3 FR1-2	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3
	115 VAC	1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1

LOAD SWITCH
PANEL ASSEMBLY
(REAR VIEW)



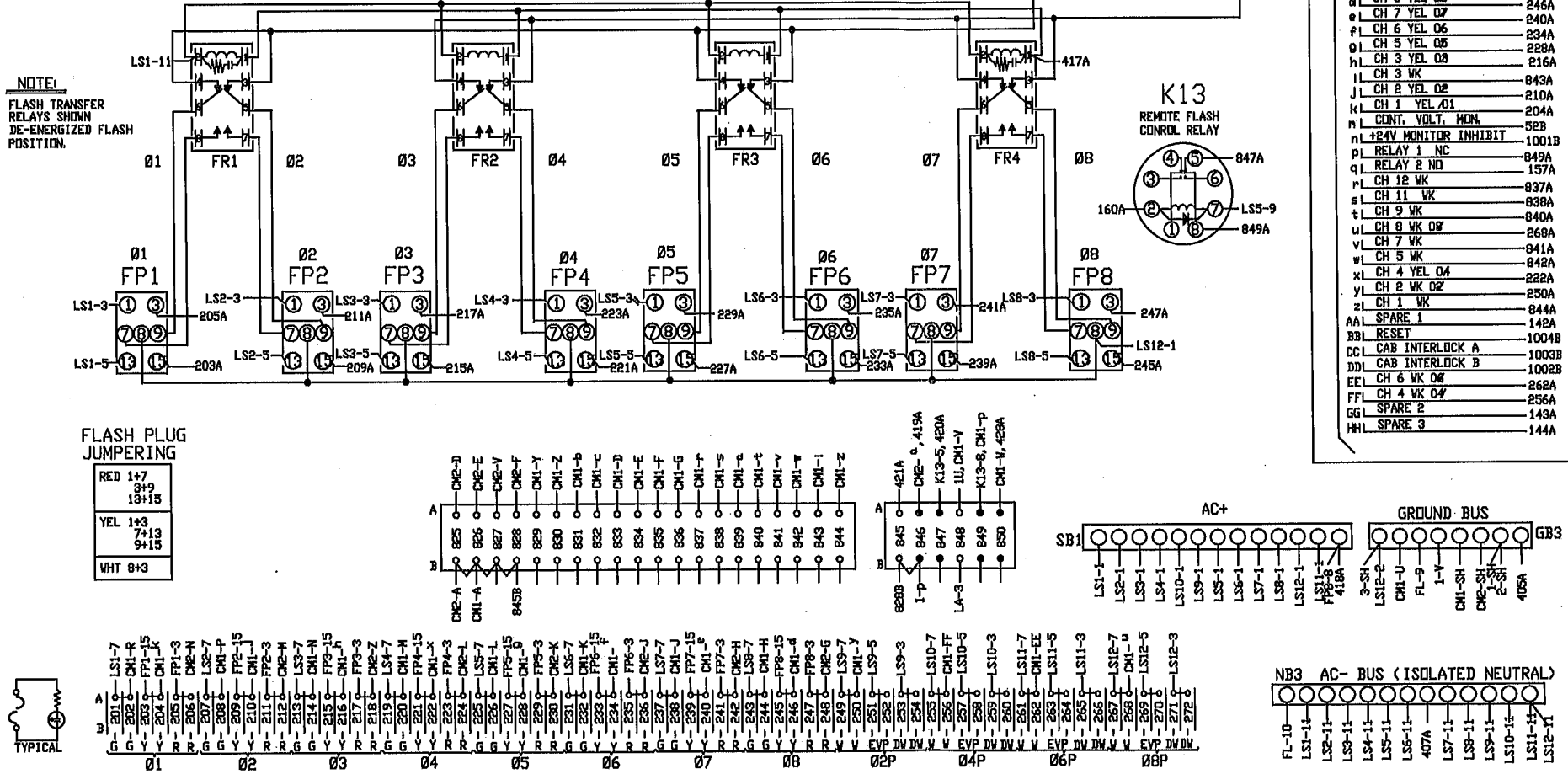
NEMA+ 12CH CONFLICT MONITOR

CM1	CM2
SH1 SHELL GROUND	SH1 SHELL GROUND
A1 AC+1	A1 AC+11
B1 RELAY 1 NO	B1 DELAY RELAY COMM
C1 RELAY 2 NC	C1 DELAY RELAY NO
D1 CH 12 GRN	D1 CH 12 RED
E1 CH 11 GRN	E1 CH 11 RED
F1 CH 10 GRN	F1 CH 9 RED
G1 CH 9 GRN	G1 CH 8 RED
H1 CH 8 GRN	H1 CH 7 RED
J1 CH 7 GRN	J1 CH 6 RED
K1 CH 6 GRN	K1 CH 5 RED
L1 CH 5 GRN	L1 CH 4 RED
M1 CH 4 GRN	M1 CH 3 RED
N1 CH 3 GRN	N1 CH 2 RED
P1 CH 2 GRN	P1 CH 1 RED
R1 CH 1 GRN	PL SPARE 1
S1 +24 MONITOR	RL +24 V MONITOR 11
T1 LOGIC GROUND	SL SPARE 2
U1 CHASSIS GROUND	TL SPARE 3
V1 AC-	UL DELAY RELAY NC
W1 RELAY 1 COMMON (AC)	VL CH 10 RED
X1 RELAY 2 COMMON (LG)	WL SPARE 4
Y1 CH 12 YEL	XL SPARE 5
Z1 CH 11 YEL	YL SPARE 6
a1 CH 10 WK	ZL CH 3 RED
b1 CH 10 YEL	a1 RED ENABLE
c1 CH 9 YEL	b1 SPARE 7
d1 CH 8 YEL	c1 SPARE 8
e1 CH 7 YEL	
f1 CH 6 YEL	
g1 CH 5 YEL	
h1 CH 4 YEL	
i1 CH 3 WK	
j1 CH 2 YEL	
k1 CH 1 YEL	
nl CONT. VOLT. MON.	
pl +24V MONITOR INHIBIT	
ql RELAY 1 NC	
rl RELAY 2 NO	
sl CH 12 WK	
tl CH 11 WK	
ul CH 9 WK	
vl CH 8 WK	
w1 CH 5 WK	
x1 CH 4 YEL	
y1 CH 2 WK	
z1 CH 1 WK	
aa1 SPARE 1	
bb1 RESET	
cc1 CAB INTERLOCK A	
dd1 CAB INTERLOCK B	
ee1 CH 6 WK	
ff1 CH 4 WK	
gg1 SPARE 2	
hh1 SPARE 3	

CONFLICT MONITOR MATRIX PROGRAMMING INSTRUCTIONS

1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1-3	2-4	3-5	4-6	5-7	6-8	7-9	8-10	9-11	10-12	
1-4	2-5	3-6	4-7	5-8	6-9	7-10	8-11	9-12		
1-5	2-6	3-7	4-8	5-9	6-10	7-11	8-12			
1-6	2-7	3-8	4-9	5-10	6-11	7-12				
1-7	2-8	3-9	4-10	5-11	6-12					
1-8	2-9	3-10	4-11	5-12						
1-9	2-10	3-11	4-12							
1-10	2-11	3-12								
1-11	2-12									
1-12										

CHANNEL-0 COMBINATIONS NOT PINNED WITH MATRIX JUMPERS CONSTITUTE CONFLICTING MOVEMENTS. TO PROGRAM, CIRCLE PERMISSIVE COMBINATIONS AND INSTALL JUMPERS ON CORRESPONDING PINS ON THE PROGRAM CARD.



NOTE:
FLASH TRANSFER
RELAYS SHOWN
DE-ENERGIZED FLASH
POSITION.

RED	1+7	3+9	13+15
YEL	1+3	7+13	9+15
WHT	8+3		



SCREW SIZE	6-32	8-32	10-32
POUND INCHES	12	16	25.9
BLACK TYPE	SAK56	RK6-10	SAK35N
POUND INCHES	10.5	16	35
BLACK TYPE	ND-35		
POUND INCHES	35		

CABLE	DISCR.	PHASES	POLE#	TERMINAL
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA

CABLE	CONTR.	PHASES	POLE#	TERM
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA
A	A	A	AAA	AAA

CABLE	SIGNAL	TERMINAL
2	2-1	207 209 211
4	2-2	208 210 212
2	2-3	207 209 211
3	4-1	219 221 223
1	4-2	220 222 224
4	4-3	219 221 223
1	6-1	231 233 235
3	6-2	232 234 236
1	6-3	231 233 235
2	8-1	243 245 247
1	8-2	244 246 248

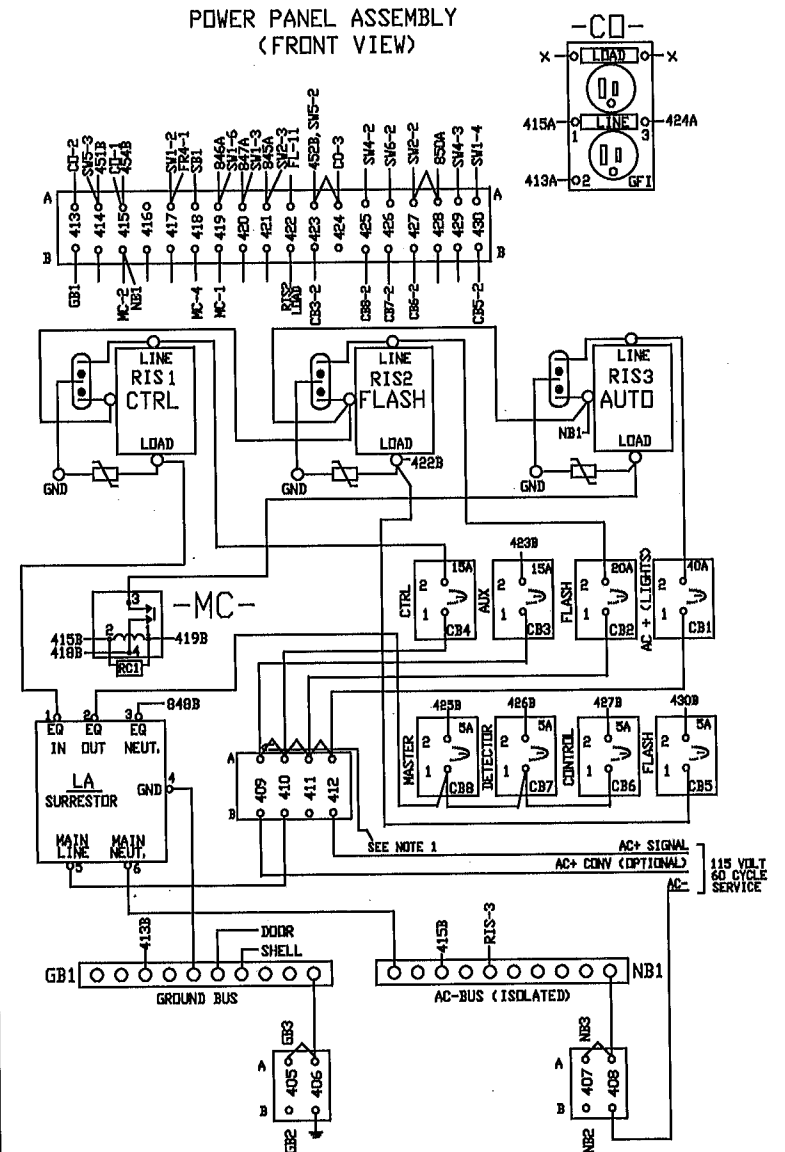
SIGNAL HEAD NEUTRALS TO BE
TERMINATED ON FNB1

CABLE	DET	TERMINAL
11	D2-1	303, 304
13	D2-2	306, 307
15	D2-3	308, 309
17	D4-1	313, 314
19	D4-2	316, 317
2	D4-3	355, 356
12	D6-1	345, 346
14	D6-2	348, 349
16	D6-3	350, 351
18	D8-1	323, 324
20	D8-2	326, 327
22	D8-3	365, 366

LOOP LEAD IN DRAIN WIRES ARE
TO BE CONNECTED TO GREEN/YEL
TERMINAL BLOCKS ONLY

SIGNAL	WK	DW
P2-1	249	253
P2-2	250	254
P4-1	255	259
P4-2	256	260
P6-1	261	265
P6-2	262	266
P8-1	267	271
P8-2	268	272

PED HEAD NEUTRALS TO BE
TERMINATED ON FNB1



ACT ELECTRONICS

REV.	STATUS OF SHEETS	CONT., () LOAD RELAY, NEMA+ CONFLICT MONITOR, () LOOP DETECTORS.
SHEET	1 2 3	NEMA FLASHER
REV	F F F	1992 FIFTH AVE AND SOUTH STREET
DRAWN BY	Mike Olsen	REV-F
CHECKED BY		DRAWING NO.
		SHEET NO. 1 OF 3