### HAMILTON SAFE MODEL ACS-1 ENTRANCE CONTROL SYSTEM

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VERSION \_\_\_\_\_

WIRING DIAGRAMS

### HAMILTON SAFE MODEL ACS-1 ENTRANCE CONTROL SYSTEM Ver 7.0

PLUG#	Description
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Door 1 Push Bar IR detector Area 1 Door 1 Mag Lock Door 1 Contact 4 RED/GREEN Lights (Door 1) IR detector Area 2 Door 2 Mag Lock Door 2 Contact RED/GREEN MICROPHONE Door 3 Mag Lock Door 3 Contact Door 4 Push Bar Door 4 Contact GREEN Light (Door 4) Handicap Call Button Door 4 Mag Lock Weapons Detector power Speaker
21 22	IR #1 Area 3
J20 ·	IR #2 Area 3
J21	28 pin connector. Input from Wiring Harness (plugs 1-17)
J21 J22	9 pin connector. Input from Wiring Harness (plugs 18-22)
022	28 pin connector Output to teller operating console

Door 1 = Outside Entrance Door

Door 2 = Inside Entrance Door

Door 3 = Inside Exit Door

Door 4 = Outside Exit /door

Area 1 = Area between Door 1 and the weapons detector.

Area 2 = Area between Door 2 and the weapons detector.

Area 3 = Area between Door 3 and Door 4

#### Allen-Bradley MicroLogix 1000 Programmable Controller

INPUT LAMP	WHEN LIGHTED
0	Door 1 Push Bar Actuated - Overides system to allow exit - as long as door 2 is still closed and locked
1	Door 1 Closed - Sentrol Magnetic Contact
2	IR Area 1 Detects Person - Entrance Side Over Door 1
3	Weapons Detector Alarm (momentary) - Must be reset from console
4	IR Area 2 Detects Person - Entrance Side Over Door 2
5	Door 2 Closed - Sentrol Magnetic Contact
6	IR Area 3 Detects Person - Exit Side Over Door 4
7	Admit Switch Pressed - Resets Alarm and Unlocks Door 2 (As long as Door 1 is still locked)
8	Door 3 Closed - Sentrol Magnetic Contact
9	Door 1 Locked - Switch inside maglock sensed being locked by conductivity
10	IR Area 3 Detects Person - Exit Side Over Door 3
11	Door 4 Closed - Sentrol Magnetic Contact
12	Door 4 Push Bar Actuated - Must be pushed to exit door 4 - as long as door 3 is closed and locked
13	Door 2 Locked - Switch inside maglock sensed being locked by conductivity
14	Door 3 Locked - Switch inside maglock sensed being locked by conductivity
15	Door 4 Locked - Switch inside maglock sensed being locked by conductivity
16	Release all doors Switch - On back of console removes power to all maglocks
17	Capture person in exit area switch (Requires a 24 volt momentary signal to activate*Not included*)
18	Remove 24 volt red wire to activate – Delayed Egress Feature
19	Fire Alarm Input - Attach building fire alarm here to unlock all doors when alarm sounds
OUTPUT	
LAMP	WHEN LIGHTED
0	Switch to Alarm Chime Closed - Output to chime on operator console
1	Master Door Power Relay - Removes power to all maglocks
2	Power Applied To Green OK to Exit Lamp
3	Power Applied to OK to Green OK to Enter Door 1 Lamp
4	Power Applied to Weapons Detector Alarm Lamp on Operators Console
5	Power Applied to Multi Persons Alarm Lamp on Operators Console
6	Power Applied to OK to Green <u>To Enter Door 3 Lamp</u>
7	Power Applied to Red <u>Do Not Enter Door 3 Lamp</u>
8	Power applied to Door 1 Lock
9	Power applied to Door 2 Lock
10	Power applied to Door 3 Lock
11	Power applied to Door 4 Lock

J20						Plug	Cable	P20	Harness	
PLU		Device	Cable	Device	Device	&	Plug	PLUG		
PIN		Wire Color	drop	locatio	connection	cable	Pln#	PIN	Color	
	Push Bar	BLACK	1a	D1	24V-	1	2	1	BLACK	Black
1 '	IR DETECTOR	GRAY	1b	D1	24V-	2	2	1	BLACK	wire
1	MAG Lock	BLACK	1c	D1	24V-	3	2	1	BLACK	is tied to
1	GREEN LIGHT	GREENX2	1d	D1	24V-	5	2	1	BLACK	all
1	RED LIGHT	REDX2	1d	D1	24V-	5	2	1	BLACK	required
1	IR DETECTOR	GRAY	2a	D2	24V-	6	2	1	BLACK	recepticles
1	MAG Lock	BLACK	2b	D2	24V-	7	2	1	BLACK	in
1	GREEN LIGHT	GREENX2	2c	D2	24V-	9	2	1	BLACK	wiring
1	RED LIGHT	REDX2	2c	D2	24V-	9	2	1	BLACK	harness
1	MAG Lock	BLACK	3a	D3	24V-	11	2	1	BLACK	and then
1 1	Push Bar	BLACK	4a	D4	24V-	13	2	1	BLACK	connected to
1	GREEN LIGHT	GREENX2	4c	D4	24V-	15	2	1	BLACK	Pin 1
1	MAG Lock	BLACK	4b	D4	24V-	17	2	1	BLACK	
2	Push Bar	BLUE	1a	D1	24V+	1	1	2	RED	Red
2	Push Bar	RED	1a	D1	24V+	1	1	2	RED	wire
2	IR DETECTOR	GRAY	1b	D1	24V+	2	1	2	RED	is tied to
2	IR DETECTOR	YELLOW	1b	D1	24V+	2	1	2	RED	all
2	Door Contact	BROWN	1d	D1	24V+	4	1	2	RED	required
2	IR DETECTOR	GRAY	2a	D2	24V+	6	1	2	RED	recepticles
2	IR DETECTOR	YELLOW	2a	D2	24V+	6	1	2	RED	in
2	Door Contact	BROWN	2c	D2	24V+	8	1	2	RED	wiring
2	Door Contact	BROWN	3b	D3	24V+	12	1	2	RED	
2	Push Bar	BLUE	4a	D4	24V+	13	1	2	RED	harness and then
2	Push Bar	RED	4a	D4	24V+	13	1	2	RED	connected to
2	Door Contact	BROWN	4c	D4	24V+	14	1	2	RED	Pin 2
3	Push Bar	ORANGE	1a	D1	1/00	1	3	3	WHITE	PIII Z
4	IR DETECTOR	YELLOW	1b	D1	1/02	2	3	4	GREEN	
<b>-</b>	MAG Lock	RED	1c	D1	O/08	3	1	5	BROWN	45-1
1 ).	MAG Lock	WHITE	1c	D1	1/09	3	3	6	BLUE	15ohm res.in line
7	Door Contact	BROWN	1d	D1	1/03	4	3	7	ORANGE	
8	RED LIGHT	REDX1	1d	D1	O/08	5	1			
9	GREEN LIGHT	GREENX1	1d	D1	O/03	5	3	9	YELLOW PURPLE	
10	Push Bar	ORANGE	4a	D4	1/12	13	3			
11	MAG Lock	RED	4b	D4	0/11	17		10	GRAY	
12	MAG Lock	WHITE	4b	D4	I/15	17	1	11	PINK	15ohm res.in line
13	Door Contact	BROWN	4c	D4	I/15		3	12	TAN	
14	GREEN LIGHT	GREENX1	4c	D4	O/02	14	3	13	W/BLACK	
15	Handicap Button	N.O.				15	3	14	W/RED	
16	Handicap Button	COMMON	8a	d1/4	J22-25	16	1	15	W/GREEN	
17	IR DETECTOR	YELLOW	8a	d1/4	J22-26	16	3	16	/ORANGE	
18	MAG Lock	RED	2a	D2	1/04	6	3	17	W/BLUE	
19	MAG Lock	WHITE	2b	D2	O/09	7	1		W/BROW	15ohm res.in line
20	Door Contact		2b	D2	I/13	7	3	19	YELLOW	
21	RED LIGHT	BROWN	2c	D2	1/05	8 :	3		W/PURPLE	
22		REDX1	2c	D2	O/07	9	1	21	W/GRAY	
23	GREEN LIGHT	GREENX1	2c	D2	O/06	9	3	22	B/RED	
	MICROPHONE	RED	2c	D2	J22-23	10	1 '	23	B/GREEN	
24	MICROPHONE	BLACK	2c	D2	J22-24	10	2	24	<b>B/YELLOW</b>	
25	MAG Lock	RED	3a	D3	O/10	11	1	25	B/BLUE	15ohm res.in line
26	MAG Lock	WHITE	3a	D3	1/14	11	3	26	B/BROWN	
27	Door Contact	BROWN	3b	D3	1/08	12	3	27	/ORANGE	
28	CABLE SHEILD		2c	D2	Ground	n/c	n/c	28	B/GRAY	

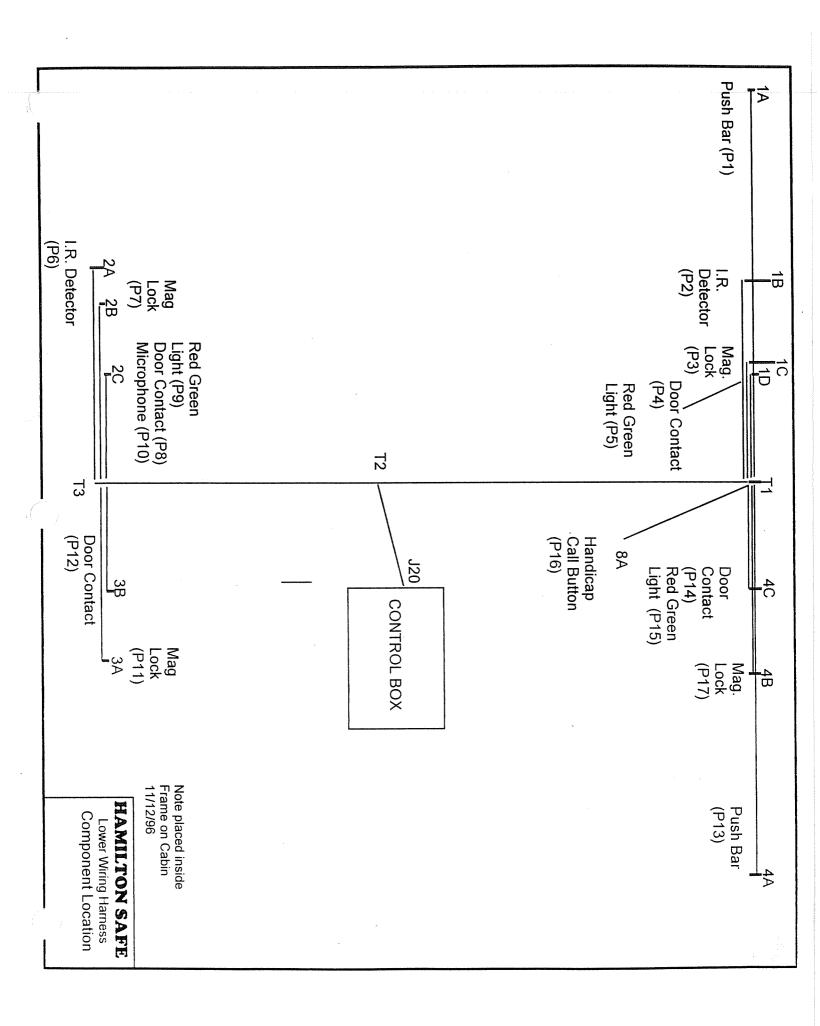
IR DETECTOR GRAY IR DETECTOR GRAY WEAPONS DET. RED IR DETECTOR GRAY IR DETECTOR YELL WEAPONS DET.POWE RED WEAPONS DET.POWE BLAC WEAPONS DET.POWE BLAC WEAPONS DET.Alarm BLAC SPEAKER BLAC SPEAKER RED  J22 PIN# Component Wire Teller Console RED Teller Console GR Teller Cons	Y Y LOW Y LOW LOW CK CK CK CK	Device con. 24V- 24V+ 24V+ 24V+ 24V+ 1/10 1/06 24VDC+2 1/03 J22-27	6a 6c 5a 6a 6a 6c 6c 6c 5a 5a	Device location a3 a4 a1 a3 a3 a4 a4 a4	Plug Pin# 2 2 bare 1 1 1 3	21 22 18 21 21 21 22 2	Cable Color BLACK BLACK RED RED RED RED	
IR DETECTOR GRAY IR DETECTOR GRAY WEAPONS DET. RED IR DETECTOR GRAY IR DETECTOR YELL WEAPONS DET.POWE RED WEAPONS DET.POWE BLAC WEAPONS DET.POWE BLAC WEAPONS DET.POWE BLAC WEAPONS DET.POWE BLAC TELLER CONSOLE RED TELLER CONSOLE RED TELLER CONSOLE GRED TELLER CONSOLE TELLER CONSOLE TELLER CONSOLE TELLER CONSOLE TELLER CONSOLE TELLER CONSOLE TELLE	Y Y LOW Y LOW	24V- 24V+ 24V+ 24V+ 24V+ 24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	6a 6c 5a 6a 6c 6c 6c 6a 6c 5a	a3 a4 a1 a3 a3 a4 a4 a3	2 2 bare 1 1 1	21 22 18 21 21 21 22	BLACK BLACK RED RED RED RED RED	
IR DETECTOR GRAY WEAPONS DET. RED IR DETECTOR GRAY IR DETECTOR YELL WEAPONS DET.POWE RED WEAPONS DET.POWE BLAC WEAPONS DET.Alarm BLAC SPEAKER BLAC SPEAKER BLAC SPEAKER RED  J22 COMPONENT Teller Console RED Teller Console GRED T	Y Y LOW Y LOW LOW CK CK CK CK	24V+ 24V+ 24V+ 24V+ 24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	6c 5a 6a 6a 6c 6c 6a 6c 5a	a4 a1 a3 a3 a4 a4 a3 a4	2 bare 1 1 1	22 18 21 21 22	BLACK RED RED RED RED	
WEAPONS DET. RED	Y LOW Y LOW LOW LOW CK CK CK	24V+ 24V+ 24V+ 24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	5a 6a 6a 6c 6c 6a 6c 5a	a1 a3 a3 a4 a4 a3 a4	bare 1 1 1 1	18 21 21 22	RED RED RED RED	
2 IR DETECTOR GRAY 2 IR DETECTOR YELL 2 IR DETECTOR GRAY 2 IR DETECTOR YELL 3 IR DETECTOR YELL 4 IR DETECTOR YELL 5 WEAPONS DET.POWE RED 6 WEAPONS DET.POWE BLAC 7 WEAPONS DET.Alarm BLAC 8 SPEAKER BLAC 9 SPEAKER RED  1 Teller Console RED 2 Teller Console RED 3 Teller Console GR 5 Teller Console BR 6 Teller Console BR 6 Teller Console GR 7 Teller Console GR 7 Teller Console GR 8 Teller Console GR 9 Teller Console WI 1 Teller Console WI 2 Teller Console WI 3 Teller Console WI 4 Teller Console GR 6 Teller Console WI 6 Teller Console WI 7 Teller Console WI 8 Teller Console WI 9 Teller Console WI 1 Teller Console WI 2 Teller Console WI 2 Teller Console WI 3 Teller Console WI 4 Teller Console WI 5 Teller Console WI 6 Teller Console WI 7 Teller Console WI 8 Teller Console WI 9 N/C WI 1 Teller Console WI 2 Teller Console BI 3 Teller Console BI 4 Teller Console BI 5 Teller Console BI 6 Teller Console BI 7 Teller Console BI 8 Teller Console BI 8 Teller Console BI 9 N/C WI 1 N/C WI 2 N/C BI 1 N/C WI 2 N/C BI 2 Teller Console BI 3 Teller Console BI 4 Teller Console BI 5 Teller Console BI 6 Teller Conso	Y LOW Y LOW LOW LOW CK CK CK	24V+ 24V+ 24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	6a 6c 6c 6c 6a 6c 5a 5a	a3 a3 a4 a4 a3 a4	1 1 1	21 21 22	RED RED RED	
1 R DETECTOR YELL 1 R DETECTOR GRA 1 R DETECTOR YELL 1 R DETECTOR YELL 1 R DETECTOR YELL 1 R DETECTOR YELL 2 IR DETECTOR YELL 3 IR DETECTOR YELL 5 WEAPONS DET. POWE RED 6 WEAPONS DET. POWE BLAC 7 WEAPONS DET. Alarm BLAC 8 SPEAKER BLAC 9 SPEAKER RED 1 Teller Console RED 2 Teller Console RED 3 Teller Console GR 5 Teller Console GR 6 Teller Console BR 6 Teller Console GR 7 Teller Console GR 7 Teller Console GR 8 Teller Console YEL 9 Teller Console YEL 9 Teller Console YEL 1 Teller Console W/GR 2 Teller Console W/GR 2 Teller Console B/GR 3 Teller Console B/GR 4 Teller Console B/GR 5 Teller Console B/GR 6 Teller Console B/GR 7 Teller Console B/GR	LOW Y LOW LOW LOW LOW LOW LOK	24V+ 24V+ 24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	6a 6c 6c 6a 6c 5a 5a	a3 a4 a4 a3 a4	1 1	21 22	RED RED	
2 IR DETECTOR GRAY 2 IR DETECTOR YELL 3 IR DETECTOR YELL 4 IR DETECTOR YELL 5 WEAPONS DET.POWE RED 6 WEAPONS DET.POWE BLAC 7 WEAPONS DET.Alarm BLAC 8 SPEAKER BLAC 9 SPEAKER RED  1 Teller Console RED 3 Teller Console RED 5 Teller Console BR 6 Teller Console BR 6 Teller Console BR 7 Teller Console BR 6 Teller Console PU 1 Teller Console PU 2 Teller Console PU 3 Teller Console W/B 1 Teller Console W/B 1 Teller Console W/B 1 Teller Console W/B 2 Teller Console W/B 3 Teller Console W/B 4 Teller Console W/B 5 Teller Console W/B 6 Teller Console W/B 7 Teller Console W/B 10 Teller Console W/B 11 Teller Console W/B 12 Teller Console W/B 13 Teller Console W/B 14 Teller Console W/B 15 Teller Console W/B 16 Teller Console W/B 17 Teller Console W/B 18 Teller Console W/B 19 N/C W/B 20 N/C W/P 21 N/C W/C 21 N/C B/B 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console W/B 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G	LOW LOW LOW LOW CK CK CK	24V+ 24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	6c 6c 6a 6c 5a 5a	a4 a4 a3 a4	1	22	RED RED	
IR DETECTOR YELL IR DETECTOR YELL IR DETECTOR YELL WEAPONS DET.POWE RED WEAPONS DET.POWE BLAC WEAPONS DET.Alarm BLAC SPEAKER BLAC SPEAKER BLAC SPEAKER RED  J22 PIN# Component wire Teller Console RED Teller Console BRAC Teller	LOW LOW LOW CK CK CK CK	24V+ 1/10 1/06 24VDC+2 24VDC-2 1/03 J22-27	6c 6a 6c 5a 5a	a4 a3 a4	1		RED	
IR DETECTOR YELL IR DETECTOR YELL WEAPONS DET.POWE RED WEAPONS DET.POWE BLAC WEAPONS DET.Alarm SPEAKER BLAC SPEAKER RED  J22 COMPONENT Teller Console RED Teller Console RED Teller Console RED Teller Console BRAC Teller Console	LOW LOW CK CK CK CK	I/10 I/06 24VDC+2 24VDC-2 I/03 J22-27	6a 6c 5a 5a	a3 a4	1			
4 IR DETECTOR YELL 5 WEAPONS DET.POWE RED 6 WEAPONS DET.POWE BLAC 7 WEAPONS DET.Alarm BLAC 8 SPEAKER BLAC 9 SPEAKER RED  1 Teller Console BLAC 2 Teller Console RED 3 Teller Console BR 6 Teller Console BR 6 Teller Console BR 7 Teller Console PU 9 Teller Console PU 10 Teller Console PU 11 Teller Console GR 9 Teller Console W/B 11 Teller Console W/B 12 Teller Console W/B 13 Teller Console W/B 14 Teller Console W/B 15 Teller Console W/B 16 Teller Console W/B 17 Teller Console W/B 18 Teller Console W/B 19 N/C W/B 20 N/C W/B 21 N/C W/C 22 N/C B/B 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 21 Teller Console B/G 22 N/C B/B 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Operators Cosole with mu 20 Operators Cosole with mu 21 Microphone + 2 Microphone -	OW OK OK OK	I/06 24VDC+2 24VDC-2 I/03 J22-27	6c 5a 5a	a3 a4		22	RED	
4 IR DETECTOR YELL 5 WEAPONS DET.POWE RED 6 WEAPONS DET.POWE BLAC 7 WEAPONS DET.Alarm BLAC 8 SPEAKER BLAC 9 SPEAKER RED  J22 CPIN# Component Wire 1 Teller Console BLAC 2 Teller Console RED 3 Teller Console BRAC 5 Teller Console BRAC 6 Teller Console BRAC 7 Teller Console BRAC 8 Teller Console BRAC 9 Teller Console BRAC 1 Teller Console BRAC 1 Teller Console BRAC 1 Teller Console BRAC 1 Teller Console BRAC 2 Teller Console BRAC 3 Teller Console BRAC 5 Teller Console BRAC 6 Teller Console BRAC 7 Teller Console BRAC 9 Teller Console BRAC 1 Teller Console BRAC 2 Teller Console BRAC 2 BRAC 2 BRAC 2 BRAC 2 BRAC 3 Teller Console BRAC 2 BRAC 4 Teller Console BRAC 2 BRAC 4 Teller Console BRAC 2 Teller Console BRAC 2 BRAC 4 Teller Console BRAC 5 Teller Console BRAC 6 Tell	OW OK OK OK	I/06 24VDC+2 24VDC-2 I/03 J22-27	6c 5a 5a	a4	10	21	WHITE	
MEAPONS DET.POWE BLACE  WEAPONS DET.POWE BLACE  WEAPONS DET.Alarm BLACE  SPEAKER BLACE  SPEAKER RED  J22  COMPONENT  Teller Console BLACE  Teller Console BLACE  Teller Console BLACE  Teller Console BLACE  Teller Console BRACE  Teller Console	CK CK CK	24VDC+2 24VDC-2 I/03 J22-27	5a 5a		3	22	GREEN	
MEAPONS DET.POWE BLACK  WEAPONS DET.Alarm BLACK  SPEAKER BLACK  SPEAKER RED  J22 COMPONENT WIRE  Teller Console BLACK  Teller Console BLACK  Teller Console BLACK  Teller Console BRACK  Teller Consol	DK DK DK DK	24VDC-2 I/03 J22-27	5a	a1	bare	19	BROWN	
Neapons Det Alarm   BLAC	J22	I/03 J22-27		a1	bare	19	<del></del>	
SPEAKER BLAC SPEAKER RED  J22  Component wire Teller Console BLAC Teller Console BLAC Teller Console BR Teller Console B	J22	J22-27	5a	a1		18	BLUE	
9 SPEAKER RED  J22 Component wire  1 Teller Console BLAC  2 Teller Console RED  3 Teller Console GF  5 Teller Console BR  6 Teller Console BR  7 Teller Console BR  8 Teller Console PU  9 Teller Console GF  10 Teller Console GF  11 Teller Console GF  12 Teller Console GF  13 Teller Console GF  14 Teller Console GF  15 Teller Console W/B  16 Teller Console W/B  17 Teller Console W/B  18 Teller Console W/G  19 N/C W/C  20 N/C W/YE  20 N/C W/YE  21 N/C W/C  22 N/C B/G  23 Teller Console B/G  24 Teller Console B/G  25 Teller Console B/G  26 Teller Console B/G  27 Teller Console B/G  28 Teller Console B/G  Operators Coscle with mu  com# Connection J22 C  1 Microphone -	J22				bare		ORANGE	
J22 PIN# Component wire  1 Teller Console BLAC 2 Teller Console RED 3 Teller Console WM 4 Teller Console BR 6 Teller Console BR 6 Teller Console BR 7 Teller Console PM 8 Teller Console PM 9 Teller Console PM 10 Teller Console PM 11 Teller Console PM 12 Teller Console PM 13 Teller Console PM 14 Teller Console WMB 15 Teller Console WMB 16 Teller Console WMB 17 Teller Console WMB 18 Teller Console WMB 19 N/C WMB 19 N/C WMB 20 N/C WMB 21 N/C WMB 22 N/C BMB 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Operators Coscle with mu 10 Operators Coscle with mu 11 Microphone + 2 Microphone -	J22		5b	a2	faston	20	YELLOW	V
Teller Console BLAC Teller Console BLAC Teller Console BLAC Teller Console BLAC Teller Console BR Teller Console PU Teller Console PU Teller Console BR Teller Console W/BR Teller Console W/GR Teller Console W/GR Teller Console W/BR Teller Console W/BR Teller Console BR Teller Conso		J22-28	5b	a2	faston	20	PURPLE	
Teller Console BLAC Teller Console BLAC Teller Console BLAC Teller Console BLAC Teller Console BR Teller Console PU Teller Console PU Teller Console BR Teller Console W/BR Teller Console W/GR Teller Console W/GR Teller Console W/BR Teller Console W/BR Teller Console BR Teller Conso								
Teller Console BLAC Teller Console BLAC Teller Console BLAC Teller Console BLAC Teller Console BR Teller Console PU Teller Console PU Teller Console BR Teller Console W/G Teller Console W/G Teller Console W/G Teller Console W/G Teller Console BR							Harness	U
1 Teller Console BLAC 2 Teller Console RED 3 Teller Console Wild 4 Teller Console GF 5 Teller Console BR 6 Teller Console GF 7 Teller Console OR, 8 Teller Console YEI 9 Teller Console PU 10 Teller Console PU 11 Teller Console PU 12 Teller Console PU 13 Teller Console Wild 14 Teller Console Wild 15 Teller Console Wild 16 Teller Console Wild 17 Teller Console Wild 18 Teller Console Wild 19 N/C Wild 20 N/C Wild 21 N/C Wild 22 N/C Bild 23 Teller Console Bild 24 Teller Console Bild 25 Teller Console Bild 26 Teller Console Bild 27 Teller Console Bild 28 Teller Console Bild 29 Teller Console Bild 20 Operators Cosole with mu 20 Operators Cosole with mu 21 Teller Console Bild 22 Teller Console Bild 23 Teller Console Bild 24 Teller Console Bild 25 Teller Console Bild 26 Teller Console Bild 27 Teller Console Bild 28 Teller Console Bild 3 Teller Console Bild 4 Teller Console Bild 5 Teller Console Bild 6 Teller Console Bild 7 Teller Bild 7	e color	Device		Interconnect	Cable.		Cable	
2 Teller Console RED 3 Teller Console WI 4 Teller Console GF 5 Teller Console BR 6 Teller Console OR 8 Teller Console YEI 9 Teller Console PU 10 Teller Console PU 11 Teller Console PU 12 Teller Console PU 13 Teller Console WI/B 14 Teller Console WI/B 15 Teller Console WI/B 16 Teller Console WI/B 17 Teller Console WI/B 18 Teller Console WI/B 19 N/C WI/B 20 N/C WI/B 21 N/C WI/B 22 N/C BI/B 23 Teller Console BI/B 24 Teller Console BI/B 25 Teller Console BI/B 26 Teller Console BI/B 27 Teller Console BI/B 28 Teller Console BI/B 29 Teller Console BI/B 20 Operators Cosole with mu 20 Operators Cosole with mu 21 Teller Console BI/B 22 Teller Console BI/B 23 Teller Console BI/B 24 Teller Console BI/B 25 Teller Console BI/B 26 Teller Console BI/B 27 Teller Console BI/B 28 Teller Console BI/B 29 Teller Console BI/B 20 Operators Cosole with mu 21 Microphone + 2 Microphone -		connect	ion	Color			Color	—— <del>U</del>
3 Teller Console	CK	24V-		B/RED	sw neg		BLACK	
4         Teller Console         GF           5         Teller Console         BR           6         Teller Console         OR.           8         Teller Console         YEI           9         Teller Console         PU           10         Teller Console         PU           10         Teller Console         PU           10         Teller Console         W/B           12         Teller Console         W/B           13         Teller Console         W/G           14         Teller Console         W/G           15         Teller Console         W/G           16         Teller Console         W/G           17         Teller Console         W/B           19         N/C         W/YE           20         N/C         W/PU           21         N/C         W/C           22         N/C         B/G           24         Teller Console         B/G           25         Teller Console         B/G           26         Teller Console         B/G           27         Teller Console         B/G      28          Teller Console         B/		0/1		RED	sw com		RED	
4 Teller Console GF 5 Teller Console BR 6 Teller Console BR 7 Teller Console OR, 8 Teller Console YEI 9 Teller Console PU 10 Teller Console PU 11 Teller Console PU 12 Teller Console PU 13 Teller Console W/B 14 Teller Console W/B 15 Teller Console W/G 16 Teller Console W/G 17 Teller Console W/B 18 Teller Console W/B 19 N/C W/YE 20 N/C W/YE 21 N/C W/YE 22 N/C B/B 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G	HITE	I/16		B/WHITE	unlock		WHITE	
5 Teller Console BR 6 Teller Console BI 7 Teller Console OR, 8 Teller Console YEI 9 Teller Console PU 10 Teller Console PU 11 Teller Console PU 12 Teller Console PU 13 Teller Console W/B 14 Teller Console W/B 15 Teller Console W/B 16 Teller Console W/B 17 Teller Console W/B 18 Teller Console W/B 19 N/C W/YE 20 N/C W/YE 21 N/C W/C 22 N/C B/B 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Operators Cosole with mu 20 Operators Cosole with mu 21 Microphone + 22 Microphone -	REEN	1/18		WHITE	release		GREEN	
6 Teller Console 7 Teller Console 8 Teller Console 9 Teller Console 9 Teller Console 9 Teller Console 12 Teller Console 13 Teller Console 14 Teller Console 15 Teller Console 16 Teller Console 17 Teller Console 18 Teller Console 19 N/C 20 N/C 21 N/C 21 N/C 22 N/C 23 Teller Console 24 Teller Console 25 Teller Console 26 Teller Console 27 Teller Console 28 Teller Console 29 N/C 20 N/C 21 N/C 22 N/C 23 Teller Console 24 Teller Console 25 Teller Console 26 Teller Console 27 Teller Console 28 Teller Console 29 B/G 20 N/C 21 N/C 22 N/C 23 Teller Console 24 Teller Console 25 Teller Console 26 Teller Console 27 Teller Console 28 Teller Console 29 Teller Console 20 Teller Console 21 Teller Console 22 Teller Console 23 Teller Console 24 Teller Console 25 Teller Console 26 Teller Console 27 Teller Console 28 Teller Console 37 Teller Console 38 Teller Console 39 Teller Console 30 Teller Console 31 Microphone + 32 Microphone -	ROWN	1/7		B/GREEN		Сар		
7 Teller Console ORA 8 Teller Console YEI 9 Teller Console PU 10 Teller Console Gi 11 Teller Console PU 12 Teller Console PU 13 Teller Console W/B 14 Teller Console W/B 15 Teller Console W/G 16 Teller Console W/G 17 Teller Console W/G 18 Teller Console W/B 19 N/C W/YE 20 N/C W/PE 21 N/C W/C 22 N/C B/B 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Teller Console B/G 21 Teller Console B/G 22 Teller Console B/G		O/0VAC	VDC		admit		BROWN	·····
8			VDC	GREEN	chime c		BLUE	
9 Teller Console PU 10 Teller Console GI 11 Teller Console PU 12 Teller Console PU 13 Teller Console W/B 14 Teller Console W/G 15 Teller Console W/G 16 Teller Console W/G 17 Teller Console W/G 18 Teller Console W/B 19 N/C W/Y 20 N/C W/Y 21 N/C W/Y 22 N/C B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Operators Coscle with mu 21 mr# Connection J22 C 22 Microphone -		O/0		B/BROWN	chime n	0	ORANGE	
Teller Console		Spare		BROWN	Spare		YELLOW	
Teller Console P Teller Console T Teller Console T Teller Console W/B Teller Console W/G Teller Console W/B Teller Console W/B Teller Console W/B Teller Console W/B Teller Console W/C Teller Console W/C Teller Console B/G	RPLE	Spare		B/BLUE	Spare		PURPLE	
12 Teller Console T 13 Teller Console W/B 14 Teller Console W/G 15 Teller Console W/G 16 Teller Console W/G 17 Teller Console W/B 18 Teller Console W/B 19 N/C W/Y 20 N/C W/Y 21 N/C W/C 22 N/C B/G 23 Teller Console B/G 24 Teller Console B/G 25 Teller Console B/G 26 Teller Console B/G 27 Teller Console B/G 28 Teller Console B/G 28 Teller Console B/G 29 Teller Console B/G 20 Operators Coscle with mu 20 Operators Coscle with mu 21 Microphone + 22 Microphone -	RAY	0/4		BLUE	weap le	d	IGRAY	<del></del>
13         Teller Console         W/B           14         Teller Console         W/G           15         Teller Console         W/G           16         Teller Console         W/D           17         Teller Console         W/B           18         Teller Console         W/B           19         N/C         W/YE           20         N/C         W/P           21         N/C         W/C           23         Teller Console         B/G           24         Teller Console         B/YE           25         Teller Console         B/B           26         Teller Console         B/G           27         Teller Console         B/G           28         Teller Console         B/G           Operators Coscle with mu         Operators Coscle with mu           arm#         Connection         J22 C           1         Microphone +         2           2         Microphone -	PINK	O/5		B/ORNAGE	multi led	i	PINK	
14         Teller Console         W/G           15         Teller Console         W/G           16         Teller Console         W/G           17         Teller Console         W/B           18         Teller Console         W/B           19         N/C         W/YE           20         N/C         W/P           21         N/C         W/C           22         N/C         B/G           23         Teller Console         B/G           24         Teller Console         B/YE           25         Teller Console         B/G           26         Teller Console         B/G           27         Teller Console         B/G           28         Teller Console         B/G           Operators Cosole with mu         Operators Cosole with mu           cm#         Connection         J22 C           1         Microphone +         2           2         Microphone -	ΓAN	0/8		ORANGE.	d1 lock		TAN	
14         Teller Console         W/G           15         Teller Console         W/G           16         Teller Console         W/OF           17         Teller Console         W/BI           18         Teller Console         W/BI           19         N/C         W/YE           20         N/C         W/PI           21         N/C         W/C           22         N/C         B/G           23         Teller Console         B/YE           24         Teller Console         B/YE           25         Teller Console         B/BF           26         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/OF           29         Teller Console         B/OF           21         Microphone +         2           22         Microphone -         A	BLACK	O/9		B/YELLOW	d2 lock		W/BLACK	
15         Teller Console         W/G           16         Teller Console         W/OF           17         Teller Console         W/B           18         Teller Console         W/BI           19         N/C         W/YE           20         N/C         W/PI           21         N/C         W/C           22         N/C         B/G           23         Teller Console         B/G           24         Teller Console         B/YE           25         Teller Console         B/BF           26         Teller Console         B/OF           27         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/OF           29         Teller Console         B/OF           21         Microphone +         2           22         Microphone -         All Console	/RED	O/10		YELLOW	d3 lock		W/RED	
16         Teller Console         W/OF           17         Teller Console         W/BI           18         Teller Console         W/BI           19         N/C         W/YE           20         N/C         W/PI           21         N/C         W/C           22         N/C         B/B           23         Teller Console         B/G           24         Teller Console         B/YE           25         Teller Console         B/BF           26         Teller Console         B/OF           27         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/OF           29         Teller Console         B/OF           20         Teller Console         B/OF           20         Teller Console         B/OF           20         Teller Console         B/OF           20         Teller Console         B/OF           21         Microphone +         2           22         Microphone -	REEN	0/11		R/BROWN	d4 lock		WGREEN	
17         Teller Console         W/B           18         Teller Console         W/BI           19         N/C         W/YE           20         N/C         W/PL           21         N/C         W/C           22         N/C         B/B           23         Teller Console         B/G           24         Teller Console         B/E           25         Teller Console         B/BF           26         Teller Console         B/OF           27         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/C           Operators Cosole with mu         Operators Cosole with mu           rm#         Connection         J22 C           1         Microphone +         2           2         Microphone -         -	RANGE	Spare		BROWN	Spare			
18         Teller Console         W/BI           19         N/C         W/YE           20         N/C         W/PI           21         N/C         W/C           22         N/C         B/G           23         Teller Console         B/G           24         Teller Console         B/YE           25         Teller Console         B/BF           27         Teller Console         B/OF           28         Teller Console         B/OF           28         Teller Console         B/OF           Operators Cosole with mum         Connection         J22 C           1         Microphone +         2           2         Microphone -         -	BLUE	Spare		RWHITE			W/ORANGE	
19 N/C W/YE 20 N/C W/Pt 21 N/C W/C 21 N/C B/C 22 N/C B/C 23 Teller Console B/G 24 Teller Console B/E 25 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF 28 Teller Console B/OF 21 Teller Console B/OF 22 Teller Console B/OF 23 Teller Console B/OF 24 Teller Console B/OF 25 Teller Console B/OF 26 Teller Console B/OF 27 Teller Console B/OF 28 Teller Console B/OF 29 Teller Console With mutarm# Connection J22 C 1 Microphone + 2 Microphone -					Spare		W/BLUE	
20 N/C W/Pt 21 N/C W/C 22 N/C B// 23 Teller Console B/G 24 Teller Console B/S 25 Teller Console B/BF 26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF 20 Operators Cosole with mu Trm# Connection J22 C 1 Microphone + 2 Microphone -		Spare		WHITE	Spare		W/BROWN	
21 N/C W/C 22 N/C B/I 23 Teller Console B/G 24 Teller Console B/YE 25 Teller Console B/BF 26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF 29 Operators Cosole with mu rm# Connection J22 C 1 Microphone + 2 Microphone -		N/C		N/C				
22 N/C B/I 23 Teller Console B/G 24 Teller Console B/YE 25 Teller Console B/B 26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF  Coperators Cosole with mu  rm# Connection J22 C 1 Microphone + 2 Microphone -	URPLE	N/C		N/C				
23 Teller Console B/G 24 Teller Console B/YE 25 Teller Console B/E 26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF  Operators Cosole with mu rm# Connection J22 C 1 Microphone + 2 Microphone -	GRAY	sheild		sheild (microp	hone)			
24 Teller Console B/YE 25 Teller Console B/E 26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF Operators Coscle with mu rm# Connection J22 C 1 Microphone + 2 Microphone -	RED	sheild		sheild Speake	er			
25 Teller Console B/E 26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF  Operators Coscle with mu rm# Connection J22 C 1 Microphone + 2 Microphone -		J20-23		R/GREEN	MIC+	:	from J20	
26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF Operators Cosole with mu rm# Connection J22 C 1 Microphone + 2 Microphone -	ELLOW	J20-24		GREEN	MIC-	:	from J20	
26 Teller Console B/BF 27 Teller Console B/OF 28 Teller Console B/OF Operators Cosole with mu rm# Connection J22 C 1 Microphone + 2 Microphone -		J20-15	***************************************	R/BLUE	CALL		from J20	
27 Teller Console B/OF 28 Teller Console B/OF  Operators Cosole with mu rm# Connection J22 C 1 Microphone + 2 Microphone -		J20-16	· //	BLUE	CALL		from J20	
28 Teller Console B/G  Operators Coscle with mu rm# Connection J22 C 1 Microphone + 2 Microphone -	RANGE	J21-8		R/YELLOW	SPEAK	- D		
Operators Coscle with murm# Connection J22 C 1 Microphone + 2 Microphone -	GRAY	J21-9	TO THE THE WARRING				from J21	
rm# Connection J22 C 1 Microphone + 2 Microphone -	>: V \ I	021-2		YELLOW	SPEAK	-17	from J21	
m# Connection J22 C 1 Microphone + 2 Microphone -								
1 Microphone + 2 Microphone -						:		
2 Microphone -	Connectio		Wire col					
The same of the sa	23	~~~	B/GREE					
3 Speaker			B/YELLC	OW		,		
	24		B/ORAN	GE				
4 Speaker			B/GRAY	CONTRACTOR OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED			Andrewson agents of the control of t	
5 Handicap call butto	24 27		B/BLUE	a management and mana				
6 Handicap call butto	24 27 28		B/BROW	/NI				
7 Audio Sheild 21&22	24 27 28 25		PIPITON	/19	· · · · · · · · · · · · · · · · · · ·		****	
8	24 27 28 25 26						The state of the s	
	24 27 28 25 26		ä.,			*********		
9 External Chime sw 10 External Chime sw	24 27 28 25 26		BLUE ORANGI			and the second second second	The second secon	<u> </u>

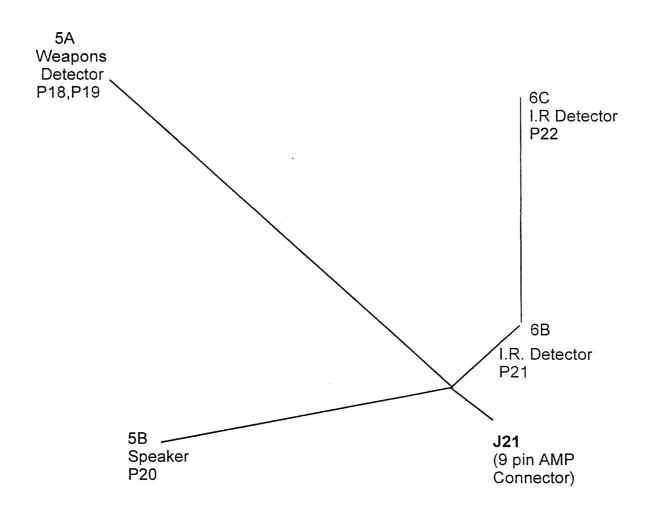
	Cable			}		1	P20	Harness	11.0 11/12/9
Plug	Plug	Device	Device	Cable	Device	Device	PLUG		
number	Pin#	ID	Wire Color	drop		connection	PIN		Notes
1	1	Push Bar	BLUE	1a	D1			Color	
1 '	1	Push Bar	RED		D1	24V+	2	RED	Red & Blue
1	2	Push Bar	BLACK	1a		24V+	2	RED	tied together
1 '	3	Push Bar	ORANGE	1a	D1	24V-	1	BLACK	in plug
2	1	IR DETECTOR		1a	D1	1/00	3	WHITE	
2 2 2 2	1	IR DETECTOR	GRAY	1b	D1	24V+	2	RED	Gray&Yellow
	2	IR DETECTOR	YELLOW	1b	D1	24V+	2	RED	tied together
2	3	IR DETECTOR	GRAY	1b	D1	24V-	1	BLACK	in plug
3			YELLOW	1b	D1	1/02	4	GREEN	
		MAG Lock	RED	1c	D1	O/08	5	BROWN	
3	2	MAG Lock	BLACK	1c	D1	24V-	1	BLACK	
3	3	MAG Lock	WHITE	1c	D1	1/09	6	BLUE	
4	1	Door Contact	BROWN	1d	D1	24V+	2	RED	
4	3	Door Contact	BROWN	1d	D1	1/01	7	ORANGE	
5	1	RED LIGHT	REDX1	1d	D1	O/08	8	YELLOW	
5	2	GREEN LIGHT	GREENX2	1d	D1	24V-	1	BLACK	
5	2	RED LIGHT	REDX2	1d	D1	24V-	1		
5	3	GREEN LIGHT	GREENX1	1d	D1	O/03	9	*BLACK	
6	1	IR DETECTOR	GRAY	2a	D1	24V+		PURPLE	
6	1	IR DETECTOR	YELLOW	2a	D2		2	RED	Gray&Yellow
6	2	IR DETECTOR	GRAY	2a		24V+	2	RED	tied together
6	3	IR DETECTOR	YELLOW		D2	24V-	1	BLACK	in plug
7	1	MAG Lock		2a	D2	1/04	17	W/BLUE	
7	2	MAG Lock	RED	2b	D2	O/09	18	W/BROWN	
7	3		BLACK	2b	D2	24V-	1	BLACK	-
		MAG Lock	WHITE	2b	D2	I/13	19	W/YELLOW	
8	1	Door Contact	BROWN	2c	D2	24V+	2 :	RED	
8	3	Door Contact	BROWN	2c	D2	1/05	20	W/PURPLE	
9	11	RED LIGHT	REDX1	2c	D2	0/07	21	W/GRAY	This light
9	2	GREEN LIGHT	GREENX2	2c	D2	24V-	1	BLACK	has a
9	2	RED LIGHT	REDX2	2c	D2	24V-	1	BLACK	microphone
9	3	GREEN LIGHT	GREENX1	2c	D2	O/06	22		inside housing
10	1	MICROPHONE	RED	2c	D2	J22-23	23	B/GREEN	miside flousing
10	2	MICROPHONE	BLACK	2c	D2	J22-24	24	B/YELLOW	
11	1		RED	3a	D3	O/10	25		
11	2	MAG Lock	BLACK	3a	D3	24V-		B/BLUE	
11	3		WHITE	3a	D3		1	BLACK	
12	1		BROWN	3b		1/14	26	B/BROWN	
12	3		BROWN		D3	24V+	2	RED	
13	1			3b	D3	1/08	27	B/ORANGE	
13	1	Push Bar	BLUE	4a	D4	24V+	2	RED	Red & Blue
13			RED	4a	D4	24V+	2	RED	tied together
13	2 3	Push Bar	BLACK	4a .	D4	24V-	1	BLACK	in plug
			ORANGE	4a .	D4	l/12	10	GRAY	
14	1		BROWN	4c	D4	24V+	2	RED	
14	3		BROWN	4c	D4	I/11	13	W/BLACK	
15		The same of the sa	GREENX2	4c	D4	24V-	1		Red light wired
15	3		GREENX1	4c	D4	0/02	14		& not used
16	1	Handicap Button	N.O.	8a	d1/4	J22-25	15	W/GREEN	
16	3	Handicap Button	COMMON	8a	d1/4	J22-26		W/ORANGE	
17	1		RED	4b	D4	0/11	11	PINK	
17	THE THE PARTY IN	The second secon	BLACK	4b	D4	24V-			
				, ,	<b>₽</b>	47 V -	1	BLACK	
17		MAG Lock	WHITE	4b	D4	1/15	12	TAN	

	Harness	P22	Device	Device	Cable	Device	Device	Plug	Plug
Note:	Cable	PLUG	+	location	drop	Wire Color	ID .	Pin#	number
	Color	PIN	connection	The second secon		BLACK	<b>WEAPONS DET</b>	bare	18
	ORANGE	7	1/03	5a	a1	DEACK	WEAPONS DET	bare	18
	RED	2	24V+	5a	a1				19
Separate	BLUE	6	24VDC- (2)	5a	a1	BLACK	WEAPONS DET	bare	19
	BROWN		24VDC+ (2)		a1		WEAPONS DET		20
power	YELLOW		T2-17	5b	a2	BLACK	SPEAKER		
			T2-18	5b	a2	RED	SPEAKER		20
	PURPLE	Service of the servic		6a	a3	GRAY	IR DETECTOR	1	21
Gray&Yello	RED		24V+		a3	YELLOW	IR DETECTOR		21
tied togethe	RED	2	24V+	6a		GRAY			21
in plug	BLACK	_ 1	24V-	6a	a3				21
	WHITE	3	1/10	6a	а3	0.5			
Gray&Yello	RED	2	24V+	6c	a4				
	RED		24V+	6c	a4			1	
tied togethe	BLACK		24V-	6c	a4				
in plug	GREEN		1/06	6c	a4	YELLOW	IR DETECTOR	3 .	22

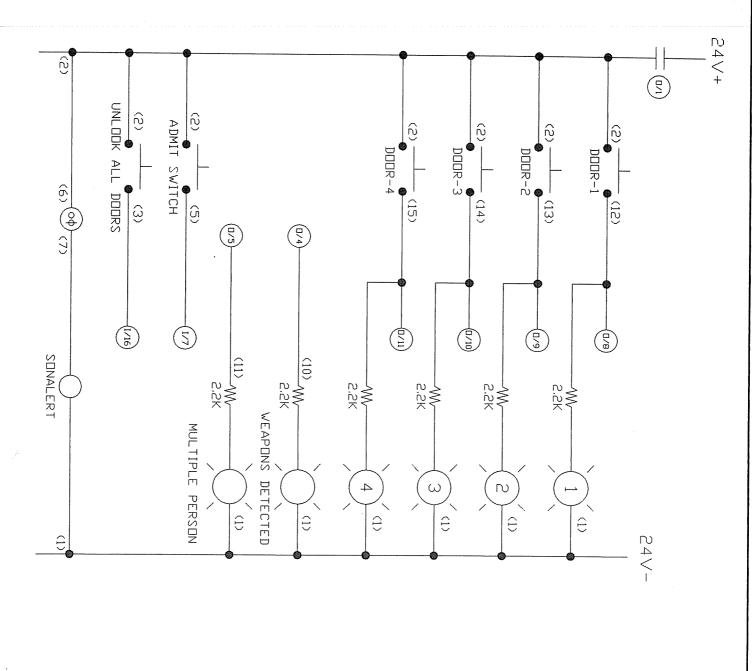
#### REVISION 7.0 WIRING CHART FOR CONTROL BOX HARNESS

J20			<del></del>				
	BLACK	24v-		W/GREEN	J22-25	*15 OHM F	RESISTOR
	RED	24V+		W/ORANGE	J22-26	IN LINE	
	WHITE	1/00	17	W/BLUE	1/04		
	GREEN	1/02	18	W/BROWN*	O/09		
	BROWN*	O/08	19	W/YELLOW	I/13		
	BLUE	1/09	20	W/PURPLE	. 1/05		
	ORANGE	I/01	21	W/GREY	0/07		
	YELLOW	O/08	22	B/RED	O/06		
	PURPLE	O/03	23	B/GREEN	J22-23		
	GREY	I/12	24	B/YELLOW	J22-24		
	PINK*	0/11	25	B/BLUE*	O/10		
L	TAN	I/18	26	B/BROWN	1/14		
	W/BLACK	· I/11	27	B/ORANGE	1/08		
14	W/RED	O/02	28	B/GREY	2nd DC COM.THEN J22-12		
J21							
1	BLACK	24V-	6	BLUE	24V-	* CONNEC	T TO
2	RED	24V+	7	ORANGE	1/03	RECTIFIE	
3	WHITE	1/10	8	YELLOW	J22-27	OF BOX	
4	GREEN	6-Jan	9	PURPLE	J22-28		
5	BROWN*	24V+					*****
			<u> </u>				
J22							
1	BLACK	24v-	12	TAN	0/08		
2	RED	O/01		W/BLACK	O/09		
3	WHITE	1/16		W/RED	0/10		
4	GREEN	1/18		W/GREEN	0/11		
5	BROWN*	1/07	16	W/ORANGE	SPARE		
6	BLUE	0/0-VACVDC		W/BLUE	SPARE		
7	ORANGE	O/00	B	W/BROWN*	SPARE		
8	YELLOW	SPARE	19	W/YELLOW	SPARE		W
9	PURPLE	SPARE	20	W/PURPLE	SPARE		
10	GREY	1/12		8 NOT USED			
	PINK*	0/05	I				USES





**Upper Wiring Harness** 



REVISION-1 ADDED AN OPEN SET OF CONTACTS O/1

## AUDIO CONNECTIONS

SHEILD MIC-21
SHEILD SPEAKER-22
MIC + PIN-23
MIC - PIN-24
CALL PIN-25
CALL PIN-26
SPEAKER PIN-27
SPEAKER PIN-28

## NOTE:

NUMBERS IN (#) ARE PLUG PIN NUMBERS.

NUMBERS IN BALLOONS ARE CONTROL INPUTS AN OUT PUTS.

# COLOR CODE 28 PIN PLUG

(1)=BLACK (2)=RED (3)=WHITE (3)=WHITE (4)=GREEN (5)=BROWN (5)=BLUE (7)=DRANGE (7)=DRANGE (8)=YELLOW (9)=PURPLE (10)=GRAY (11)=PINK (12)=TAN (13)=W/BLACK (14)=W/RED (15)=W/GREEN (16)=W/GREEN (16)=W/GRANGE

L								
	DATE: 2-24-97	SCALE: 1 = 1	CUNLESS DIHERWISE INDICATED	TOLERANCES: ± .	בנט־ט	PART NO.	PART NAME: WIRE DIAGRAM	HAMILTON SAFE
	REV:	1) 2-	0	± .005 BEND ALLOVANCE:		MATERIAL: 0	IAGRAM (ECS-CONSOLE)	N SAFE CO, DPC

