

FIRE ALARM SYSTEM

CODE	QTY	CATALOG #	DESCRIPTION	ROUGH IN
F.A.	1	W940A-01-A2-A2-A	FIRE PANEL	17 1/4" WIDE X 36 3/4" HIGH X 7" DEEP ENCLOSE. MOUNT WITH BOTTOM 43' ABOVE FLOOR.
PANEL	1	14502484-001	4 MODULE ENCLOSURE	43' ABOVE FLOOR.
A1, 2	2	W649B1012	24 VDC ANNUNCIATOR ENCLOSURE COVER ASSEMBLY	16 1/2" WIDE X 22" HIGH X 6 1/8" DEEP INCLUDING 1/2" FLANGE ON ALL 4 SIDES.
	1	800151A		
	1	800152A		
	12	0498A1001	MANUAL STATIONS	MOUNT ON 4" SQUARE BOX WITH A SINGLE GANG MUD RING. MINIMUM DEPTH 2 1/8" OVERALL. 2 1/8" BOX
SM	3	14501384-001	ACCESS RELAY	
	3	TS100A1050	SPACE SMOKE DETECTOR	MOUNT ON 4" SQUARE ELECTRIC BOX
	3	14501290-001	TS100A BASE	
SD	4	TS100B1012	DUCT SMOKE DETECTOR	13 1/4" WIDE X 8 1/4" HIGH X 3" DEEP CASE. SEE INSTALLATION INSTRUCTIONS.
	8	14501365-004	" SAMPLING TUBES	120" SAMPLING TUBES.
	16	SL806A100+	ALARM HORNS	SPRING MOUNT ON 4" X 4" ELECTRIC BOX ABOVE CEILING.
	16	14502286-006	ADAPTOR PLATE	BOX ABOVE CEILING.
	1	5880631000	6" TROUBLE BELL	MOUNT ON 4" X 4" ELECTRIC BOX
	1	14502286-007	MOUNT PLATE	
LI	1	V23	TROUBLE LIGHT	SEMI-FLUSH MOUNT-4 3/8" WIDE X 2 3/4" HIGH X 2 3/8" DEEP BOX.
	1	GM108	SPACE AGE ELECTRONICS MOUNTING BOX	
RI	5	R8907A1017	RELAY	MOUNT ON COVER OF 4" X 4" BOX OR IN PANEL

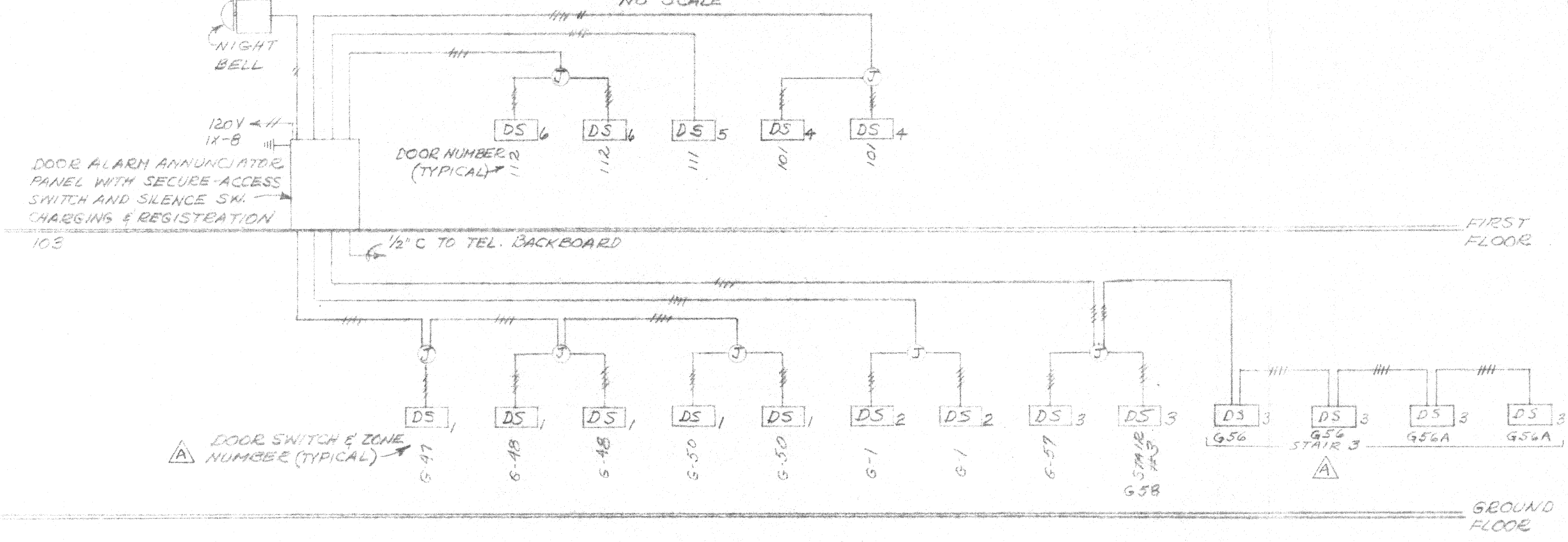
ARCHITECT
ENGINEER
CONTRACTOR
APPLICATOR

SL FOR 22-11511

HONEYWELL, INC.

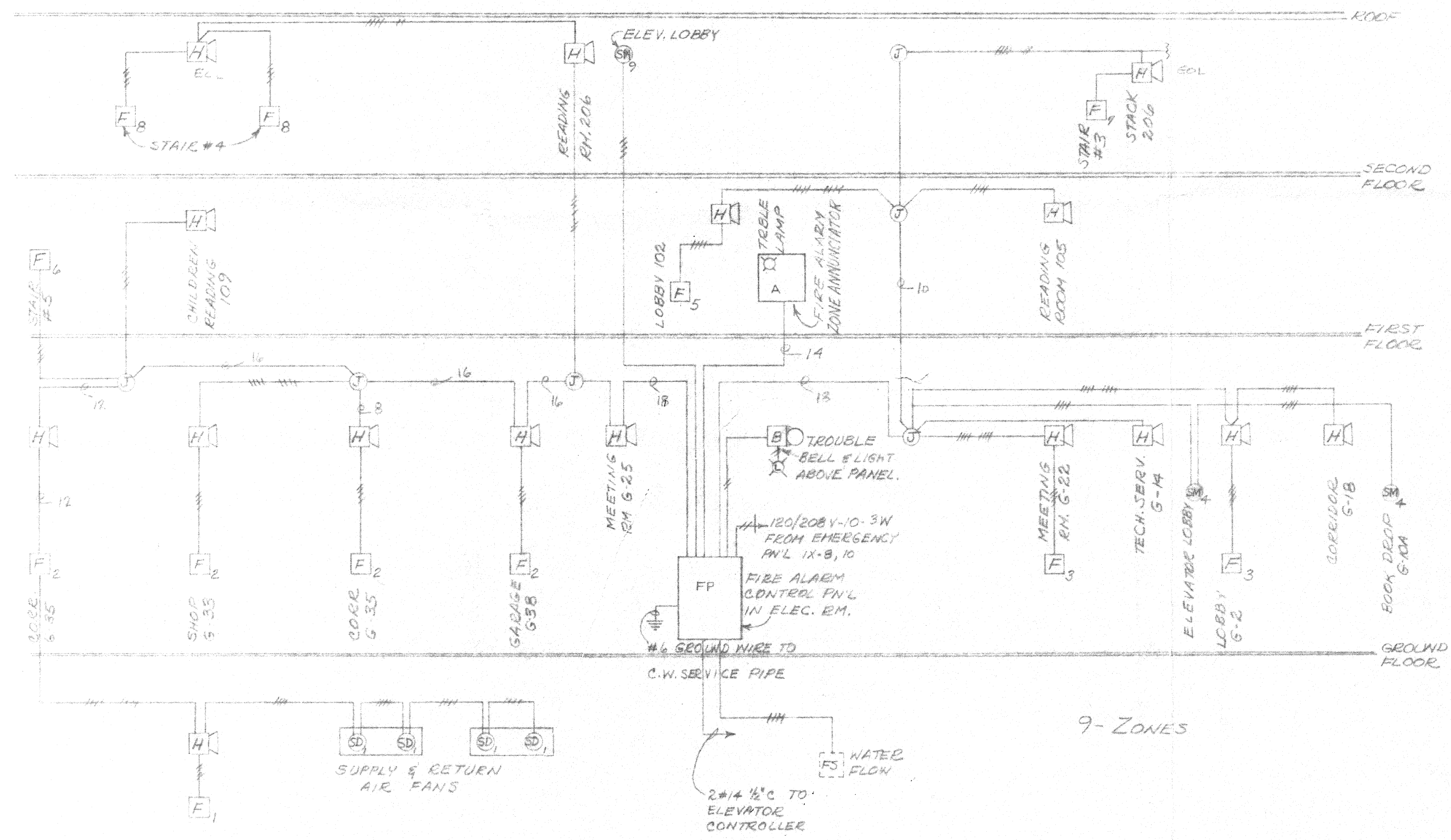
C	AUTOMATIC FA MONITORING	S-81	RB	FIRE ALARM SYSTEM
B	REVISION		LA	DULUTH PUBLIC LIBRARY
A	ENGINEERING	11-21-77	LA	
Revisions	Date	Appd.	DULUTH, MN	
Supersedes	Drawn By: HDT	Date: 9/14/77	DRAWING NUMBER	9/14/77
Superseded By	Approved By:	Sheet 1 OF 3	Rev.	

DOOR SECURITY SYSTEM RISER DIAGRAM
NO SCALE



- NOTES:
1. ALL JUNCTION BOXES FOR ALL SYSTEMS SHALL BE PROPERLY IDENTIFIED.
 2. SEE FLOOR PLAN FOR LOCATION OF DOOR SWITCHES.
 3. MINIMUM SIZE OF WIRE TO BE USED SHALL BE #14TW.

FIRE ALARM SYSTEM RISER DIAGRAM
NO SCALE



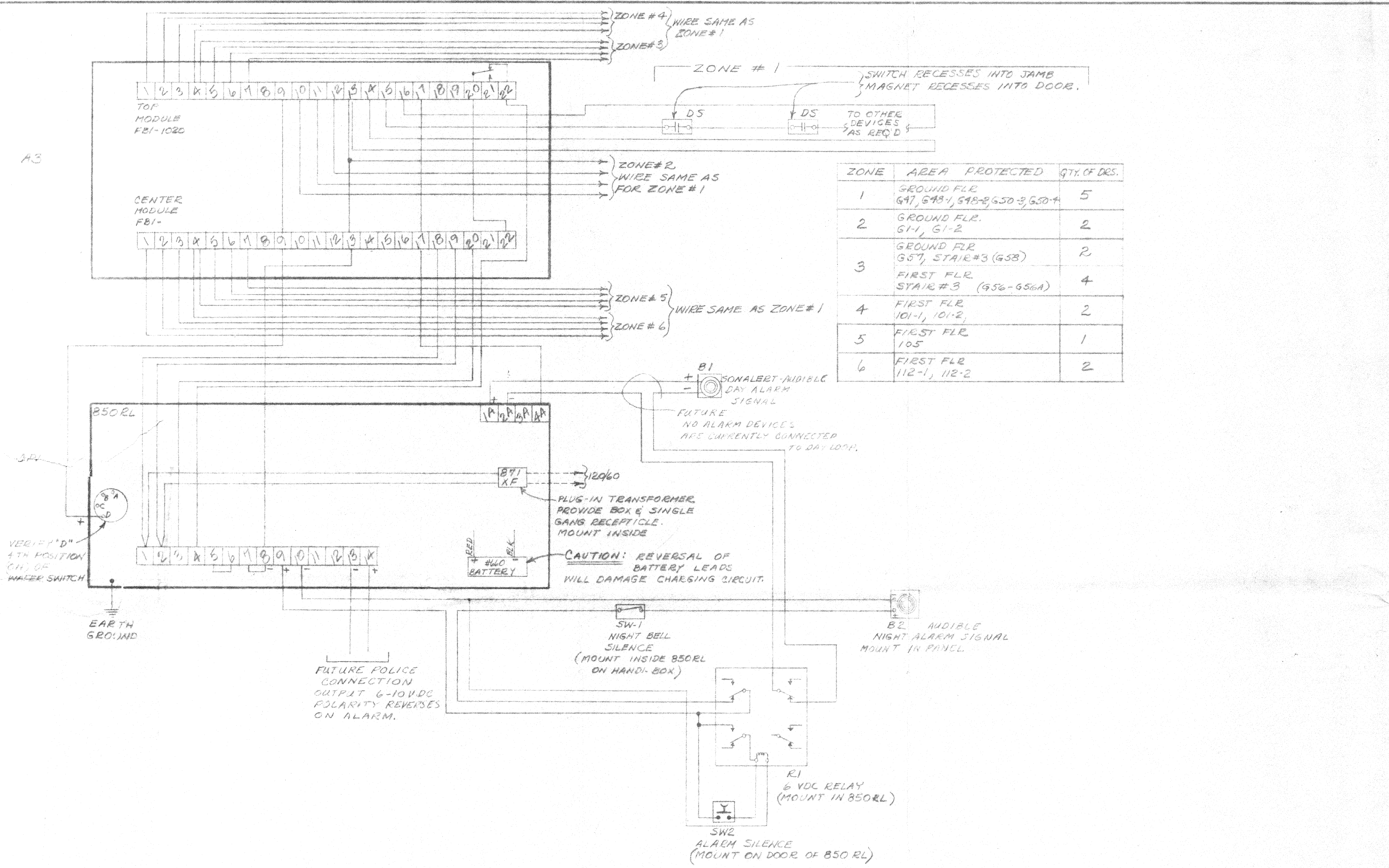
NOTE: ALL WIRING SHALL BE #14 MINIMUM AND INSTALLED IN CONDUITS, 1/2" MINIMUM. ALL SIGNAL CIRCUITS SHALL BE #12.

ARCHITECT:
ENGINEER:
CONTRACTOR:
APPLICATION ENGINEER

HONEYWELL, INC.			
C			F.A. & SECURITY RISER
B			DULUTH PUBLIC LIBRARY
A	REVISE W/ #4, MOVE STAIRS FROM 2ND TO 6TH FLOOR	11-15-77	LA
Revisions	Date	Appd.	DULUTH, MN. 55800
Supersedes	Drawn By: HDS	Date: 9/9/77	DRAWING NUMBER 914-77415-2
Superseded By	Approved By:	Sheet	Of

BILL OF MATERIALS			
CODE	QTY.	O.S. NUMBER	DESCRIPTION
CPI	1	FBI-850RL	CONTROL PANEL (FIRE BURGLARY)
A3	1	FBI-1020	4-ZONE MONITOR
	2	FBI-1022	BY PASS SWITCH COVER
	1	FBI-1023	BLANKING PLATE
B1,2	2	SC806B1002	SONALERT BELL
SW1	1	801736C	TOGGLE SWITCH
SW2	1	41P8204	MOM. PUSH BUTTON SWITCH
R1	1	KHU17011	6V RELAY IN PANEL
DS	13	IMP-M83RS	MAGNETIC DOOR SWITCH

ZONE	AREA PROTECTED	QTY. OF DES.
1	GROUND FLR G47, G48, G50, G50+	5
2	GROUND FLR G1-1, G1-2	2
3	GROUND FLR G57, STAIR#3 (G58)	2
4	FIRST FLR 101-1, 101-2	2
5	FIRST FLR 105	1
6	FIRST FLR 112-1, 112-2	2



- RESET:**
- TO RESET THE SYSTEM AFTER ALARM.
1. CLOSE ALL SECURED DOORS.
 2. TURN THE KEY SWITCH TO CIRCUIT TEST.
 3. PUSH THE RESET SWITCH IN THE ZONE MODULE CABINET.
 4. TURN THE KEY SWITCH TO "ON" TO ACTIVATE THE SYSTEM.

- SYSTEM CHECKOUT:**
1. WITH THE KEY IN CIRCUIT TEST, ALL LOOPS MUST BE CLOSED FOR THE METER TO READ CLOSED. IF THE METER DOES NOT READ CLOSED, GO BACK TO THE DAY POSITION. IF THE METER NOW READS CLOSED, THEN NIGHT LOOP 8 & 9 IS OPEN. IF METER STILL READS OPEN THEN DAY LOOP 5 & 6 IS OPEN OR SUPERVISORY NEGATIVE LOOP 7 & 8 IS OPEN OR A SHORT EXISTS BETWEEN POSITIVE AND NEGATIVE LOOPS; IE, WATS SHORTED.
 2. WITH THE KEY IN DAY POSITION AND ALL THE PROTECTED LOOPS CLOSED THE METER WILL READ IN THE GREEN (CLOSED) POSITION. IF THE DAY LOOPS 5 & 6 OR SUPERVISORY NEGATIVE LOOP 7 & 8 OF THE 850 IS OPEN, THE METER WILL NOT READ. THE RED LIGHT WILL LIGHT AND THE SONALERT WILL SOUND. TO SHUT OFF THE SONALERT, THE DAY LOOP MUST BE CLOSED OR THE KEY PUT IN THE CIRCUIT TEST POSITION. NIGHT LOOP CONDITION DOES NOT AFFECT METER READING IN DAY POSITION.
 3. WITH KEY IN BELL TEST, THE BELL WILL RING AND THE RED LIGHT WILL LIGHT (NO SONALERT WILL SOUND). RED LIGHT MUST LIGHT ON BELL TEST OR TRANSIDE Q1 MUST BE CHECKED.
 4. ONCE CIRCUIT TEST CHECKS OUT OK, PUT THE KEY IN THE "ON" POSITION. THE ALARM IS NOW SET.

ARCHITECT: NONE
 ENGINEER: NONE
 CONTRACTOR: COMMONWEALTH ELECTRIC
 APPLICATION ENGINEER: J. MUST...

C		SECURITY SYSTEM	
B		DULUTH PUBLIC LIBRARY	
A		11-15-77 LA.	
Revisions	Date	Appd.	DULUTH, MN. 55800
Supersedes	Drawn By: H.D.J.	Date: 10/17/77	DRAWING NUMBER 714-77415-3
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