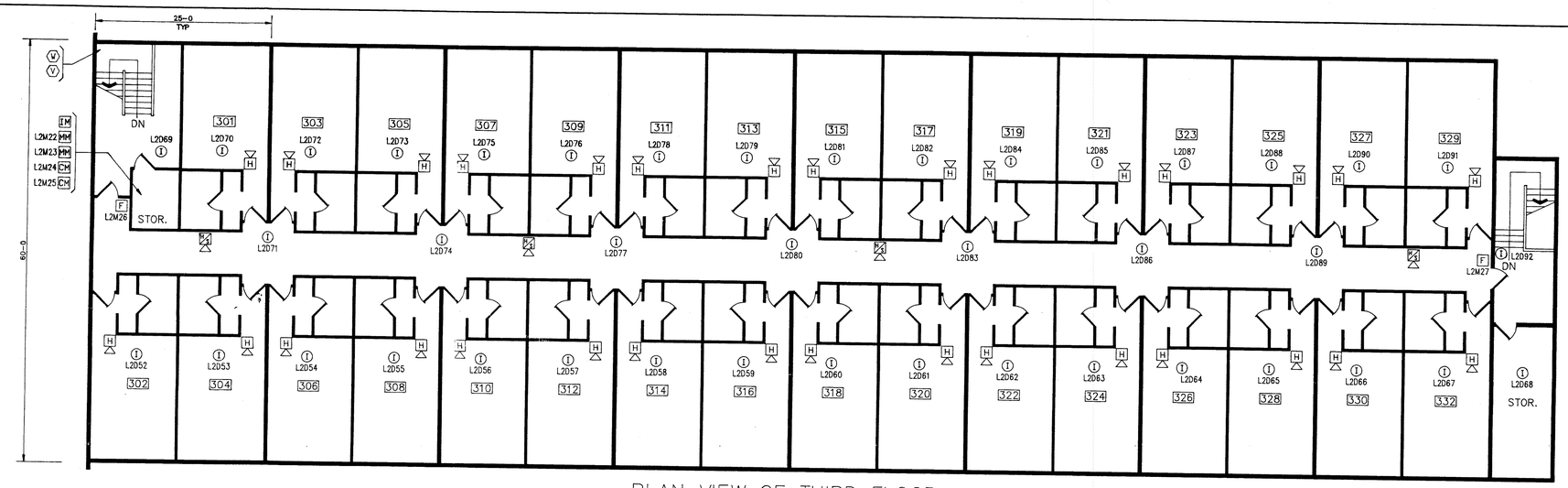
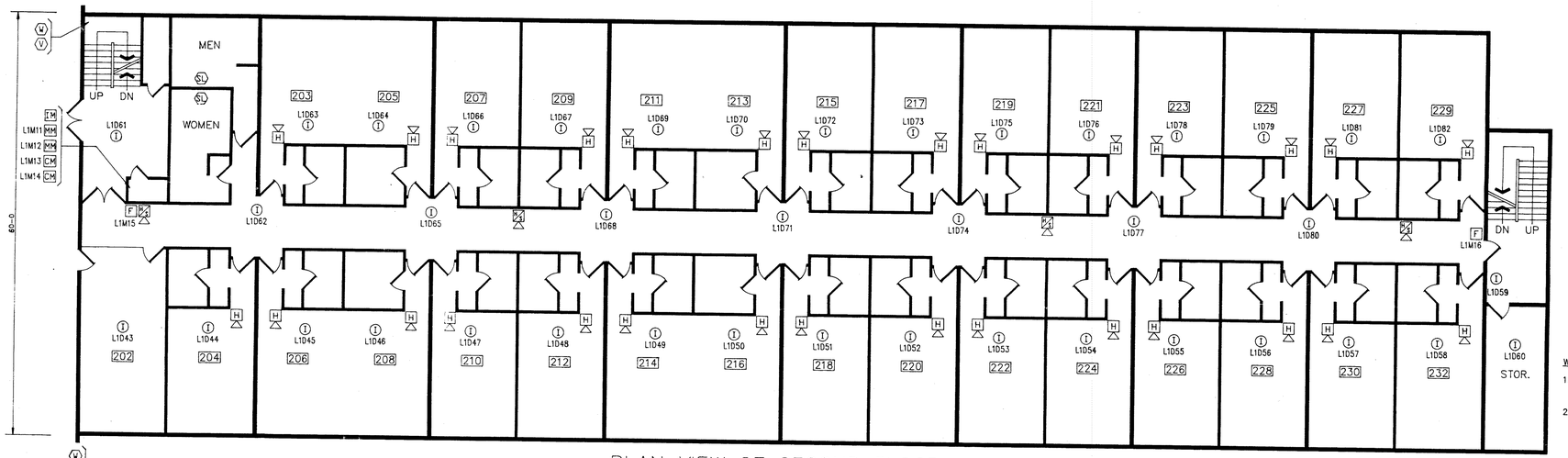
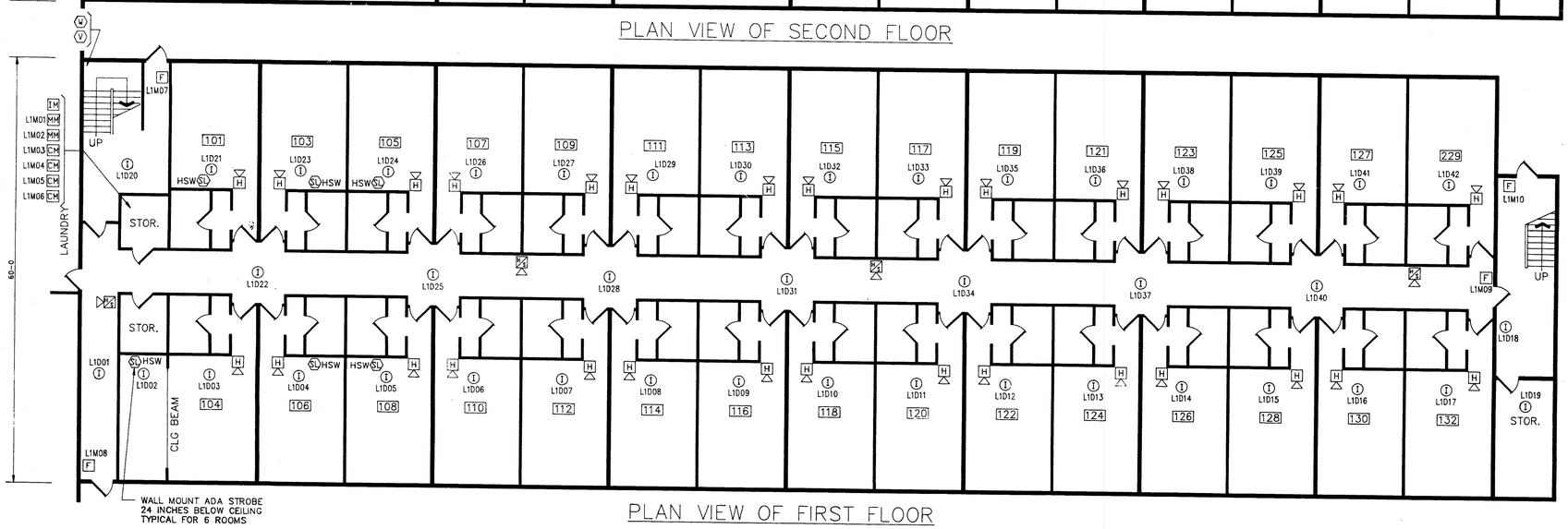


PLAN VIEW OF THIRD FLOOR

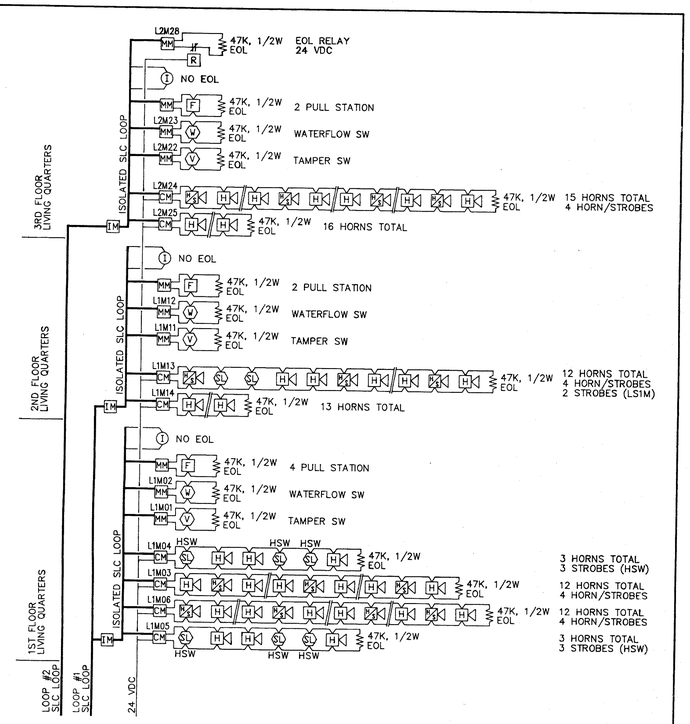


PLAN VIEW OF SECOND FLOOR



WALL MOUNT ADA STROBE
24 INCHES BELOW CEILING
TYPICAL FOR 6 ROOMS

PLAN VIEW OF FIRST FLOOR



LIVING QUARTERS RISER DIAGRAM

WIRING SPECIFICATIONS

1. ALL NEW WIRING MUST COMPLY WITH ALL LOCAL CODES. INSTALLATION IS IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
2. FOR SIGNALING LINE CIRCUIT LOOP (SLC):
   A. MINIMUM WIRE SIZE PERMITTED IN CONDUIT IS: #16 AWG SHIELDED FPLR (SOLID).
   B. ABOVE CEILING MINIMUM WIRE SIZE PERMITTED IS: #16 AWG SHIELDED FPLP (SOLID).
   C. T-TAPING AND PARALLEL BRANCHING IS PERMITTED.
   D. AN END-OF-LINE (EOL) RESISTOR IS NOT REQUIRED.
3. FOR INDICATING CIRCUITS:
   A. MINIMUM WIRE SIZE PERMITTED IN CONDUIT IS: #16 AWG FPLR (SOLID).
   B. ABOVE CEILING MINIMUM WIRE SIZE PERMITTED IS: #16 AWG FPLP (SOLID).
   C. T-TAPING AND PARALLEL BRANCHING IS NOT PERMITTED.
   D. A 47K 1/2 WATT END-OF-LINE (EOL) RESISTOR IS REQUIRED.
4. ALL WIRING SHALL BE COMPLETELY SUPERVISED.

SEQUENCE OF EVENTS
FIRE DETECTION AND ALARM SYSTEM

SMOKE DETECTOR IN ALARM:
1. ALL HORN/STROBES AND STROBES ARE ACTIVATED.
2. ALARM DEVICE IS INDICATED ON FIRE ALARM CONTROL PANEL DISPLAY.
3. LED ON SPECIFIC DETECTOR IN ALARM ILLUMINATES.

MANUAL PULL IN ALARM:
1. ALL HORN/STROBES AND STROBES ARE ACTIVATED.
2. ALARM DEVICE IS INDICATED ON FIRE ALARM CONTROL PANEL DISPLAY.

SUPERVISORY TROUBLE:
1. SUPERVISORY TROUBLE WILL BE INDICATED BY CONTROL PANEL DISPLAY AND TROUBLE CONTACTS WILL TRANSFER.

ALARM AND DETECTION GENERAL NOTES

1. EXACT LOCATIONS FOR DETECTORS TO BE OPTIMIZED BY FIELD TECH.
2. NEW PULL STATIONS TO BE MOUNTED BETWEEN 42" AND 48" ABOVE FINISHED FLOOR.
3. INDICATING APPLIANCES TO BE MOUNTED 80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER.
4. FIRE ALARM CONTROL PANEL LOCATED IN ACTIVITY BUILDING.

SCOPE OF WORK

TO PROVIDE AND INSTALL SMOKE DETECTION IN ROOMS AND REPLACE EXISTING SMOKE DETECTION IN COORIDORS AND STAIRS AT BOTH ENDS. REPLACE EXISTING HORN/STROBES WITH NEW COMPATIBLE HORN/STROBES. REPLACE EXISTING PULL STATIONS AND MOUNT AT NEW HEIGHT. STROBE LIGHTS IN PUBLIC REST ROOMS ON LEVEL 2. MOUNT ADA STROBES IN 6 ROOMS ON LEVEL 1. MONITOR SPRINKLER SYSTEM WATER FLOW AND TAMPERS LOCATED IN STAIRWAYS ON EACH LEVEL. CONNECT TO FIRE CONTROL PANEL LOCATED IN ACTIVITY BUILDING AT FRONT DESK WHICH IS OCCUPIED 24 HOURS.

NO.	DATE	BY	REVISIONS - SEE FLAGGED AREA ON PLAN
1	11-1-95	PO	AS BUILT

IMPORTANT

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CONTRACT RESPONSIBILITIES

ITEM	G.F.P.S.	OTHERS
110V POWER TO FACP		N/A
CONDUIT AND STANDARD BOXES	YES	
WIRE TO HVAC SHUTDOWNS		N/A
WIRE TO ELEVATOR CONTROLS		N/A
WIRE TO SECURITY SYSTEM		N/A
WIRE TO MONITORING PANEL		N/A
WIRE TO TELEPHONE BOARD		N/A

COORDINATION RECORD

CONTR NAME	REF. DWG. REV./DATE	NAME	TELEPHONE

SYMBOL LEGEND

SYMBOL	QTY	DESCRIPTION	MANUFACTURER	PART NUMBER
F	8	MANUAL PULL STATION	EDWARDS	270-SPS
I	119	IONIZATION SMOKE DETECTOR	EDWARDS	1551

SYMBOL LEGEND

SYMBOL	QTY	DESCRIPTION	MANUFACTURER	PART NUMBER
H	86	MINI HORN	SYS SENSOR	PA400W
HS	12	HORN/STROBE UNIT	WHEELOCK	MT/LSP-24-HFR
S	6	STROBE UNIT	WHEELOCK	HSW-24-HFR
SL	2	STROBE UNIT	WHEELOCK	LSIM-24-VFR
IM	3	ISOLATION MODULE	EDWARDS	M500XF
CM	6	CONTROL MODULE	EDWARDS	M500CF
MM	14	MONITOR MODULE	EDWARDS	M501MF

PROVIDED BY SPRINKLER CONTRACT

SYMBOL LEGEND

SYMBOL	QTY	DESCRIPTION	MANUFACTURER	PART NUMBER
W	3	WATERFLOW SWITCH	NEW SWITCHES	
V	3	TAMPER SWITCH	NEW SWITCHES	

GRINNELL FIRE PROTECTION SYSTEM CO.
8600 HOWARD DRIVE
HOUSTON, TEXAS 77017

ACR-76243-187A

KARL T. WARRICK [signature] DATE 8/15/95

APS-0491

Grinnell
FIRE PROTECTION SYSTEMS COMPANY
8600 HOWARD DRIVE
HOUSTON, TEXAS 77017
(713) 644-8872

EXECUTIVE OFFICES
EXETER, N.H.

CONTRACT NAME: HUMAN SUPPORT SERVICES OF HOUSTON
9009 BOONE ROAD
HOUSTON, TEXAS 77099

CONTRACT WITH: SAME AS ABOVE

DESCRIPTION: ALARM AND DETECTION OF LIVING QUARTERS-LEVELS 1,2 AND 3

OWNER		
ENGINEER		
CITY		
INSURANCE		

SCALE: 1/8" = 1'-0"
DRAWN BY: P. OWEN
CHECKED BY:
DATE: 8-14-95
THESE PLANS PREPARED AT: HOUSTON, TEXAS ENGINEERING DEPARTMENT
SHEET NO: SHEET 1 OF 1
CONTRACT NO.: 52.308503-1R2