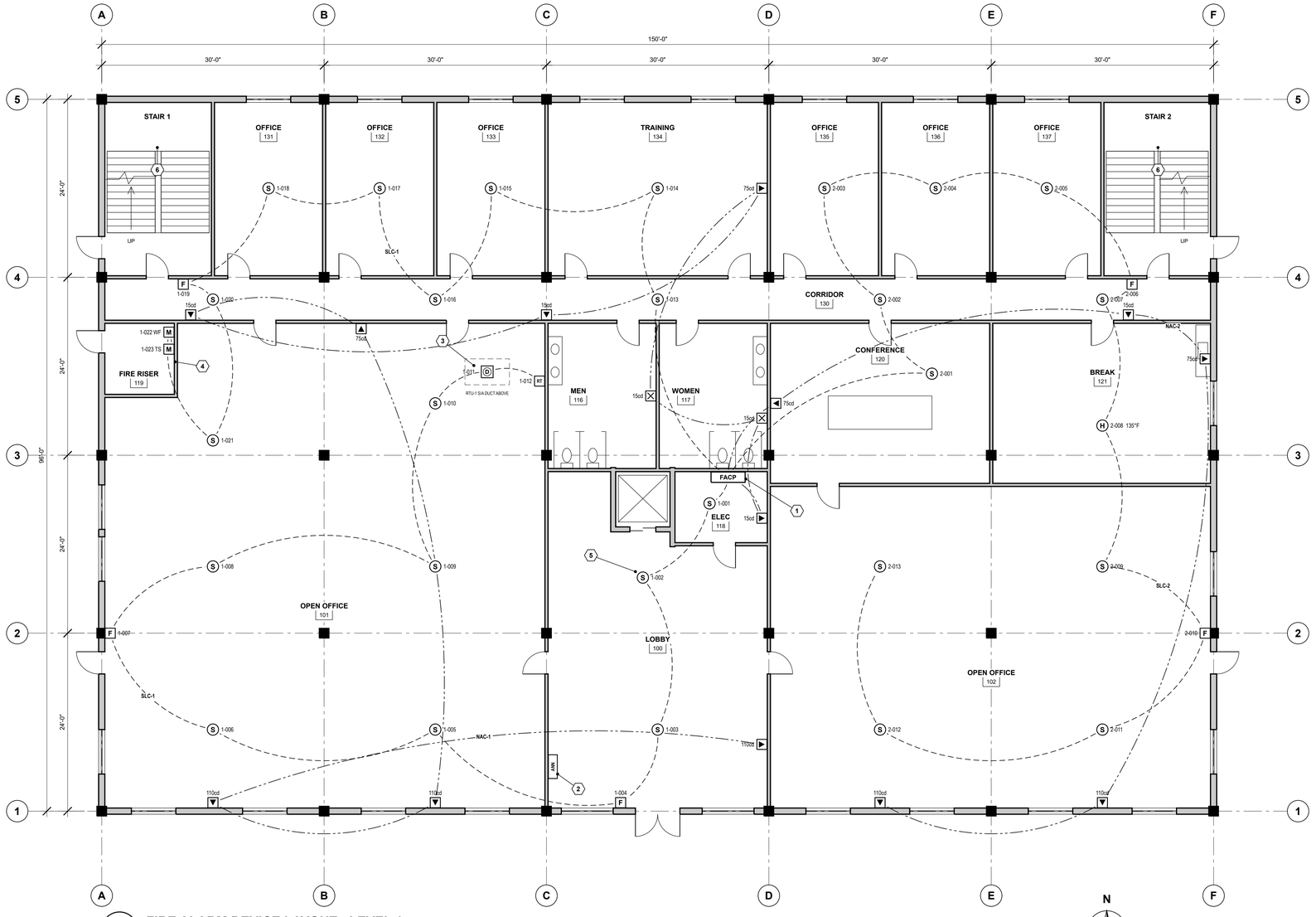


1 FA-101

FIRE ALARM DEVICE LAYOUT - LEVEL 1

SCALE: 1/8" = 1'-0"

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	MOUNTING
S	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	CEILING
H	ADDRESSABLE HEAT DETECTOR, 135°F FIXED / RATE-OF-RISE	CEILING
D	DUCT SMOKE DETECTOR W/ SAMPLING TUBE (RTU-1 SUPPLY)	IN DUCT
RT	DUCT DETECTOR REMOTE TEST STATION	48" AFF
F	MANUAL FIRE ALARM BOX, DOUBLE ACTION	48" AFF MAX
M	ADDRESSABLE MONITOR MODULE (WF = WATERFLOW, TS = TAMPER)	AT RISER
▼	HORN/STROBE, WALL, CANDELA AS TAGGED (15/75/110cd)	80" AFF
X	STROBE ONLY, WALL, CANDELA AS TAGGED	80" AFF
FACP	FIRE ALARM CONTROL PANEL (ADDRESSABLE, 2 SLC / 4 NAC)	72" TOP
ANN	REMOTE ANNUNCIATOR (LCD)	60" C/L
– – –	SLC WIRING, CLASS B, 18 AWG TSP FPLR	-
—·—	NAC WIRING, CLASS B, 14 AWG FPLR	-
1-012	DEVICE ADDRESS (LOOP-ADDRESS)	-
#	KEYNOTE, SEE KEYNOTES	-

DEVICE SCHEDULE - LEVEL 1

TAG	DEVICE	CIRCUIT	QTY
SD	PHOTOELECTRIC SMOKE DETECTOR	SLC	26
HD	HEAT DETECTOR 135°F	SLC	1
DD	DUCT SMOKE DETECTOR	SLC	1
RTS	REMOTE TEST STATION	-	1
MPS	MANUAL PULL STATION	SLC	5
MM	MONITOR MODULE (WF / TS)	SLC	2
HS-15	HORN/STROBE 15cd	NAC	4
HS-75	HORN/STROBE 75cd	NAC	4
HS-110	HORN/STROBE 110cd	NAC	5
ST-15	STROBE 15cd	NAC	2
FACP	FIRE ALARM CONTROL PANEL	-	1
ANN	REMOTE ANNUNCIATOR	RS-485	1
	TOTAL DEVICES THIS SHEET		53

SLC-1: 23 ADDRESSES SLC-2: 13 ADDRESSES
NAC-1: 10 APPLIANCES NAC-2: 5 APPLIANCES

KEYNOTES

1. FACP IN ELEC 118, SURFACE MOUNTED, TOP AT 72" AFF. DEDICATED 120 V BRANCH CIRCUIT WITH RED LOCKING HANDLE, IDENTIFIED 'FIRE ALARM'. SMOKE DETECTOR ABOVE PANEL PER NFPA 72.
2. REMOTE ANNUNCIATOR AT MAIN ENTRY, CONFIRM LOCATION WITH AHJ.
3. DUCT SMOKE DETECTOR IN RTU-1 SUPPLY DUCT ABOVE CEILING (UNIT OVER 2,000 CFM). REMOTE TEST STATION ON WALL BELOW.
4. WATERFLOW AND VALVE TAMPER SWITCHES AT SPRINKLER RISER, EACH ON A MONITOR MODULE. SEE FP-101.
5. ELEVATOR LOBBY SMOKE DETECTOR INITIATES PHASE I RECALL. COORDINATE WITH ELEVATOR CONTRACTOR.
6. STAIR ENCLOSURE: NO DEVICES ON THIS LEVEL. STAIR DEVICES ON UPPER-LEVEL SHEETS.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH NFPA 72 (2022 EDITION), NFPA 70 ARTICLE 760, THE ADOPTED BUILDING AND FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ).
2. CEILINGS ARE SMOOTH, FLAT ACOUSTICAL TILE AT 9'-0" AFF UNLESS NOTED. SPOT-TYPE SMOKE DETECTORS ARE SPACED AT NOT MORE THAN 30'-0" ON CENTER AND NOT MORE THAN 15'-0" FROM ANY WALL (SMOOTH CEILING SPACING).
3. HEAT DETECTORS ARE SPACED PER THEIR LISTING, REDUCED FOR CEILING HEIGHT WHERE REQUIRED.
4. LOCATE SMOKE DETECTORS NOT LESS THAN 3'-0" FROM SUPPLY AIR DIFFUSERS AND RETURN GRILLES.
5. MANUAL FIRE ALARM BOXES: OPERABLE PART 42" TO 48" AFF, WITHIN 5'-0" OF EACH EXIT DOORWAY.
6. WALL-MOUNTED VISIBLE APPLIANCES: ENTIRE LENS 80" TO 96" AFF. CANDELA PER NFPA 72 ROOM SPACING TABLES. SYNCHRONIZE ALL STROBES IN A FIELD OF VIEW.
7. AUDIBLE APPLIANCES: PUBLIC MODE, 15 dBA ABOVE AVERAGE AMBIENT SOUND LEVEL, TEMPORAL-3 PATTERN.
8. SLC AND NAC CIRCUITS ARE CLASS B. CIRCUIT ROUTING IS DIAGRAMMATIC; INSTALL ABOVE CEILING, SUPPORT INDEPENDENTLY OF CEILING GRID. VOLTAGE DROP AND BATTERY CALCULATIONS ON FA-601.
9. DEVICE ADDRESSES ARE PRELIMINARY AND ARE CONFIRMED AT PROGRAMMING.
10. **SAMPLE SHEET - TEST BUILDING - NOT FOR CONSTRUCTION. DRAWN BY SIYA HABITATS AS A PORTFOLIO SAMPLE. THE CLIENT'S LICENSED DESIGNER REVIEWS, SIGNS AND REMAINS RESPONSIBLE FOR THE DESIGN.**

FIRE ALARM SEQUENCE OF OPERATIONS

SYSTEM INPUT	ACTIVATE HORN/STROBES	ANNUNCIATE ALARM	ANNUNCIATE SUPERVISORY	ANNUNCIATE TROUBLE	TRANSMIT ALARM TO CS	TRANSMIT SUPV. TO CS	SHUT DOWN RTU-1	ELEVATOR RECALL PH. I
AREA SMOKE DETECTOR	X	X			X			
ELEVATOR LOBBY SMOKE DETECTOR	X	X			X			X
HEAT DETECTOR	X	X			X			
DUCT SMOKE DETECTOR (RTU-1)			X			X	X	
MANUAL PULL STATION	X	X			X			
SPRINKLER WATERFLOW (WF)	X	X			X			
VALVE TAMPER (TS)			X			X		
OPEN / GROUND FAULT / AC POWER LOSS				X				

NOTIFICATION APPLIANCE COVERAGE

ROOM	NAME	SIZE	TYPE	CANDELA
100	LOBBY	30' x 46'	HORN/STROBE	1 x 110cd
101	OPEN OFFICE	60' x 66'	HORN/STROBE	2 x 110cd, 1 x 75cd
102	OPEN OFFICE	60' x 44'	HORN/STROBE	2 x 110cd
120	CONFERENCE	30' x 22'	HORN/STROBE	1 x 75cd
121	BREAK	30' x 22'	HORN/STROBE	1 x 75cd
134	TRAINING	30' x 24'	HORN/STROBE	1 x 75cd
130	CORRIDOR	6' x 150'	HORN/STROBE	3 x 15cd
116/117	RESTROOMS	15' x 20'	STROBE	2 x 15cd
118	ELEC	13' x 10'	HORN/STROBE	1 x 15cd

WALL-MOUNTED, ROOM SPACING PER NFPA 72 CHAPTER 18. CORRIDOR APPLIANCES WITHIN 15'-0" OF ENDS, NOT MORE THAN 100'-0" APART.

SIYA HABITATS
PVT. LTD.
FIRE PROTECTION DRAFTING
NAGPUR, INDIA | SIYAHABITATS.COM
abhishek@siyahabitats.com

PROJECT
SAMPLE OFFICE BUILDING
LEVEL 1 - TEST BUILDING
150'-0" x 96'-0" | 14,400 SF

OWNER / CLIENT
NONE - PORTFOLIO SAMPLE
NOT A CLIENT PROJECT

SAMPLE SHEET
TEST BUILDING
NOT FOR CONSTRUCTION

REVISIONS

REV	DATE	DESCRIPTION	BY
0	10/16/26	ISSUED AS SAMPLE	SH

REVIEWED BY LICENSED DESIGNER (BY CLIENT)
STAMP / SEAL AREA
NICET / PE OF RECORD SIGNS. SIYA HABITATS DRAFTS ONLY AND DOES NOT STAMP.

PROJECT NO. **SH-SMPL-01**
DATE **10/16/2026**
SCALE **1/8" = 1'-0"**
DRAWN BY **SH**
CHECKED BY **AS**
CAD FILE **FA-101_sample.dxf**
CODE BASIS **NFPA 72-2022**
SHEET TITLE
FIRE ALARM DEVICE LAYOUT LEVEL 1
SHEET NUMBER
FA-101