

FIRE ALARM LEGEND		
SYMBOL	DESCRIPTION	QTY
(S)	SMOKE DETECTOR (CEILING MOUNTED)	02
(H)	HEAT DETECTOR (CEILING MOUNTED)	01
(M)	MANUAL CALL POINT (PULL STATION)	01
(K)	FIRE ALARM LOOP SOUNDER STROBE (WALL MOUNTED)	01
(CM)	CONTROL MODULE	02
(IM)	ISOLATION MODULE	01
(J)	LOOP JUNCTION BOX	--
---	FIRE ALARM CIRCUIT	--
(DL)	EMERGENCY RECESSED DOWN LIGHT	04
(EXIT)	EXIT LIGHT (WALL / CEILING MOUNTED)	02
(EM)	EMERGENCY LIGHT	03

**NOTES**

- ALL DIMENSIONS & LEVELS ARE IN "MM" OR OTHERWISE SPECIFIED.
- COMPLY WITH THE REQUIREMENTS OF NFPA 72.
- FIRE ALARM DEVICES TO BE SAME / RECOMMENDED MAKE USED AT AIRPORT TO AVOID COMPATIBILITY ISSUES.
- FIRE ALARM SYSTEM LOOP CABLE TO BE SAME SIZE & TYPE AS USED BY AIRPORT.
- RESPONSE INDICATOR (RI) TO BE PROVIDED AT FALSE CEILING FOR ABOVE CEILING DETECTORS.

**ABBREVIATIONS**

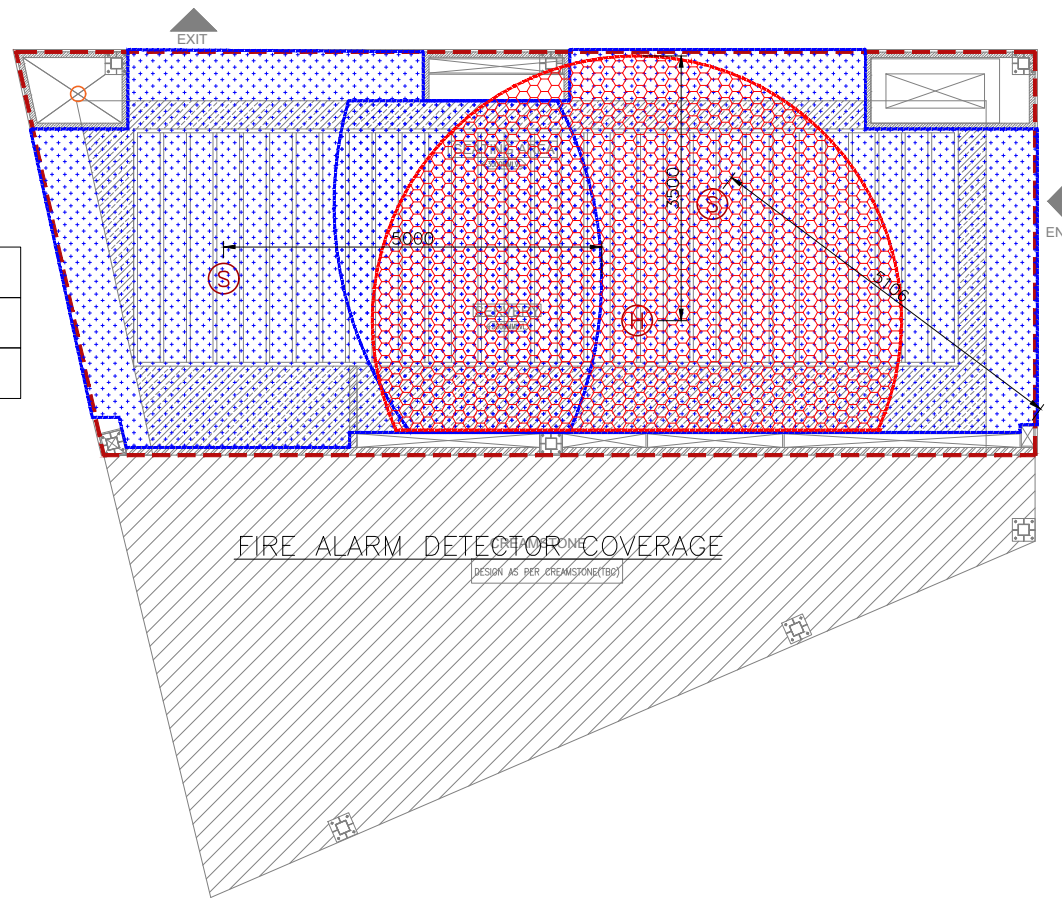
- BFV - BUTTERFLY VALVE
- WFS - WATER FLOW SWITCH

**FIRE ALARM SCHEMATIC DIAGRAM**

ALL DIMENSIONS MUST BE CHECKED ON SITE.  
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTES:  
IRRESPECTIVE OF THE DRAWING(S), IT IS THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY THAT SHALL BE EXECUTED AND COMPLETED IN ACCORDANCE TO THE SPECIFICATION, DRAWING(S) AS WELL AS REQUIREMENT. THE SAID DRAWING(S) SHALL NOT RELIEVE CONTRACTOR FROM ITS OBLIGATION UNDER THE CONTRACT AND IN PARTICULAR FROM ITS RESPONSIBILITY IN RELATION TO THE INSTALLATION MATERIALS AND WORKMANSHIP AND WHERE RELEVANT FROM A DUTY TO SEEK APPROVAL FROM THE COMPETENT AUTHORITY.

FIRE ALARM LEGEND	
(Blue dotted pattern)	SMOKE DETECTOR COVERAGE
(Red hexagonal pattern)	HEAT DETECTOR COVERAGE



C00 06.03.24 GOOD FOR CONSTRUCTION AK VJ  
REV DATE DESCRIPTION DRN CHK



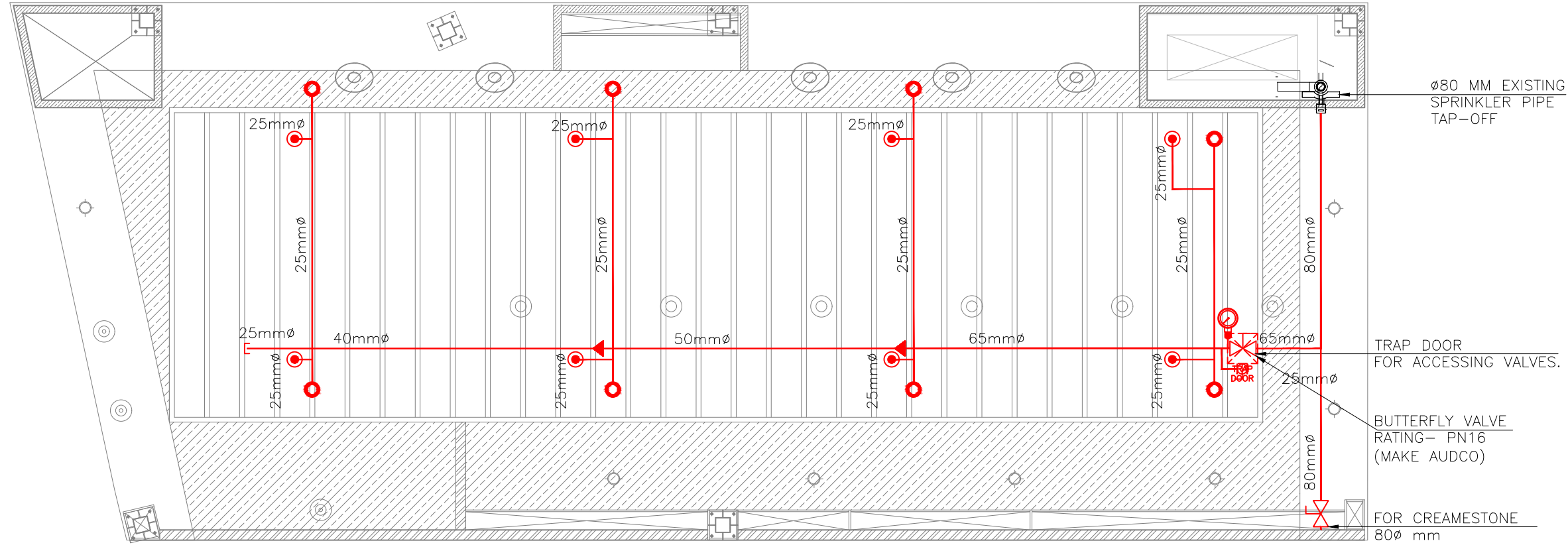
PROJECT  
**FF025**  
**MILIE COOKIES**  
**HYDERABAD AIRPORT**

DRAWING TITLE  
**FIRE ALARM LAYOUT**

SCALE 1:75 DATE 06.03.24 DRAWN AK A3 SHEET

STATUS  
**GOOD FOR CONSTRUCTION**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS XXXX ELEC F101 C00**



**01 FIRE SPRINKLER LAYOUT - PENDENT AND UPRIGHT**  
F201 1:50

FIRE SPRINKLER SYSTEM LEGEND		
SYMBOL	DESCRIPTION	QTY
	SPRINKLER HEAD UPRIGHT	08
	SPRINKLER HEAD PENDENT	08
	SPRINKLER BUTTERFLY VALVE (ISOLATION VALVE)	02
	SPRINKLER PIPE FLOW SWITCH	01
	SPRINKLER PIPE	--
	SPRINKLER PIPE EXISTING	--
	SPRINKLER PIPE REDUCER	--
	PRESSURE GAUGE	01
	SPRINKLER BALL VALVE - TEST DRAIN	01
	ACCESS DOOR - 300 x 300	01

NOTES:

- INSTALLATION WORKS FOR THE AUTOMATIC SPRINKLERS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NPFA 13.
- ISOLATION VALVE SHALL BE CONSIDERED AT SPRINKLER TAPPING (PN16) AND TRAP DOOR SHALL BE PROVIDED FOR THE SAME FOR EASY MAINTENANCE.
- M.S "C" CLASS PIPES SHALL BE USED FOR THE FF PIPES.
- DRAIN PIPE WITH BALL VALVE TO BE PROVIDED AFTER THE ISOLATION VALVE FOR MAINTENANCE PURPOSE AS PER SITE CONDITION.
- ALL FIRE SPRINKLER PENDANT SHALL HAVE A COVERAGE AREA OF APPROXIMATELY 24 SQ.METER.
- PRESSURE GAUGE TO BE PROVIDED AFTER ISOLATION VALVE.

- ELBOW DOWN
- ELBOW UP
- TOP CONNECTION
- BOTTOM CONNECTION

C01	06.03.24	GOOD FOR CONSTRUCTION	ST	MB
REV	DATE	DESCRIPTION	DRN	CHK



PROJECT  
**FF-025**  
**MILIE COOKIES**  
**HYDERABAD AIRPORT**

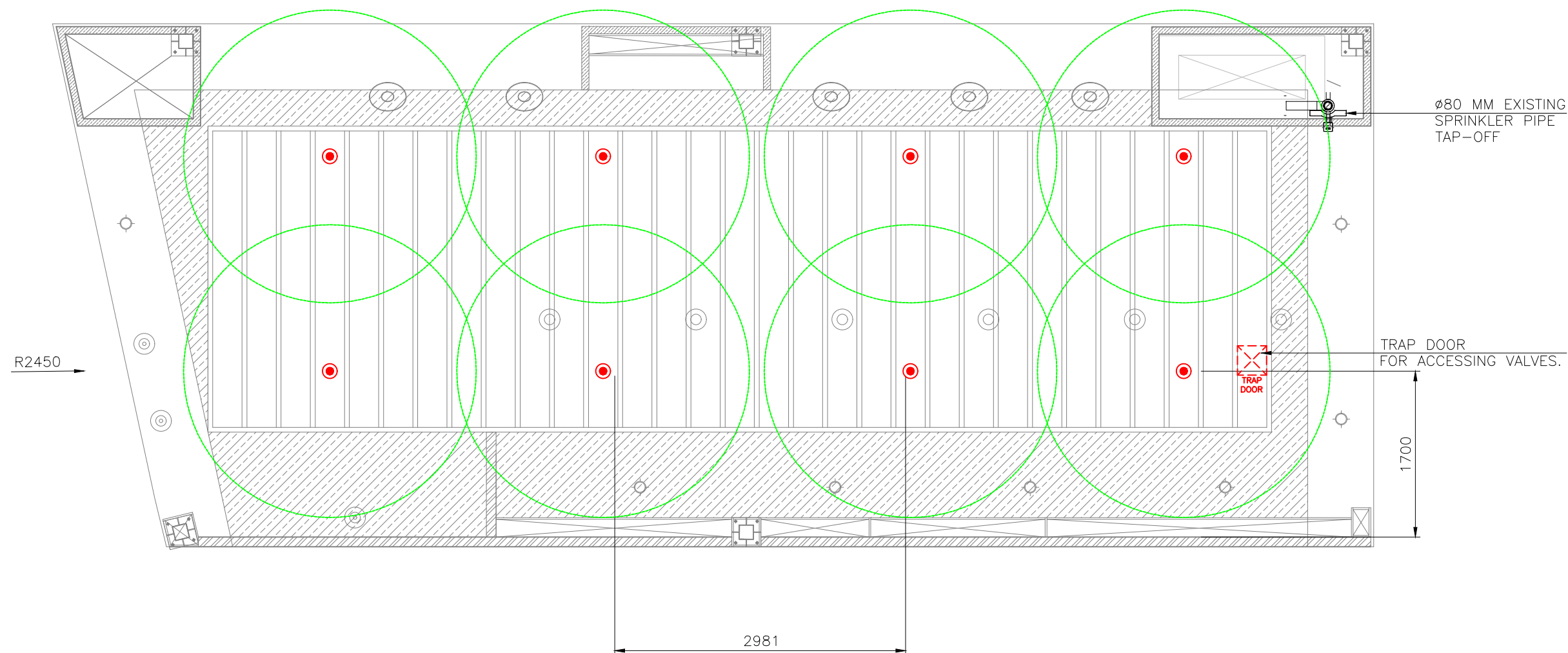
DRAWING TITLE  
**FIRE SPRINKLER LAYOUT**  
**PENDENT AND UPRIGHT**

SCALE 1:50    DATE 06.03.24    DRAWN ST    A3 SHEET

STATUS  
**GOOD FOR CONSTRUCTION**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS XXXX FIRE F201 C01**

NOTES:  
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**01 FIRE SPRINKLER LAYOUT - PENDENT COVERAGE**  
F202 1:50

FIRE SPRINKLER SYSTEM LEGEND		
SYMBOL	DESCRIPTION	QTY
	SPRINKLER HEAD UPRIGHT	08
	SPRINKLER HEAD PENDENT	08
	SPRINKLER BUTTERFLY VALVE (ISOLATION VALVE)	02
	SPRINKLER PIPE FLOW SWITCH	01
	SPRINKLER PIPE	--
	SPRINKLER PIPE EXISTING	--
	SPRINKLER PIPE REDUCER	--
	PRESSURE GAUGE	01
	SPRINKLER BALL VALVE - TEST DRAIN	01
	ACCESS DOOR - 300 x 300	01

NOTES:

- INSTALLATION WORKS FOR THE AUTOMATIC SPRINKLERS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NPFA 13.
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- ELBOW DOWN
- ELBOW UP
- TOP CONNECTION
- BOTTOM CONNECTION

REV	DATE	DESCRIPTION	ST	MB	DRN	CHK
C01	06.03.24	GOOD FOR CONSTRUCTION				



PROJECT  
**FF-025**  
**MILIE COOKIES**  
**HYDERABAD AIRPORT**

DRAWING TITLE  
**FIRE SPRINKLER LAYOUT**  
**PENDENT COVERAGE**

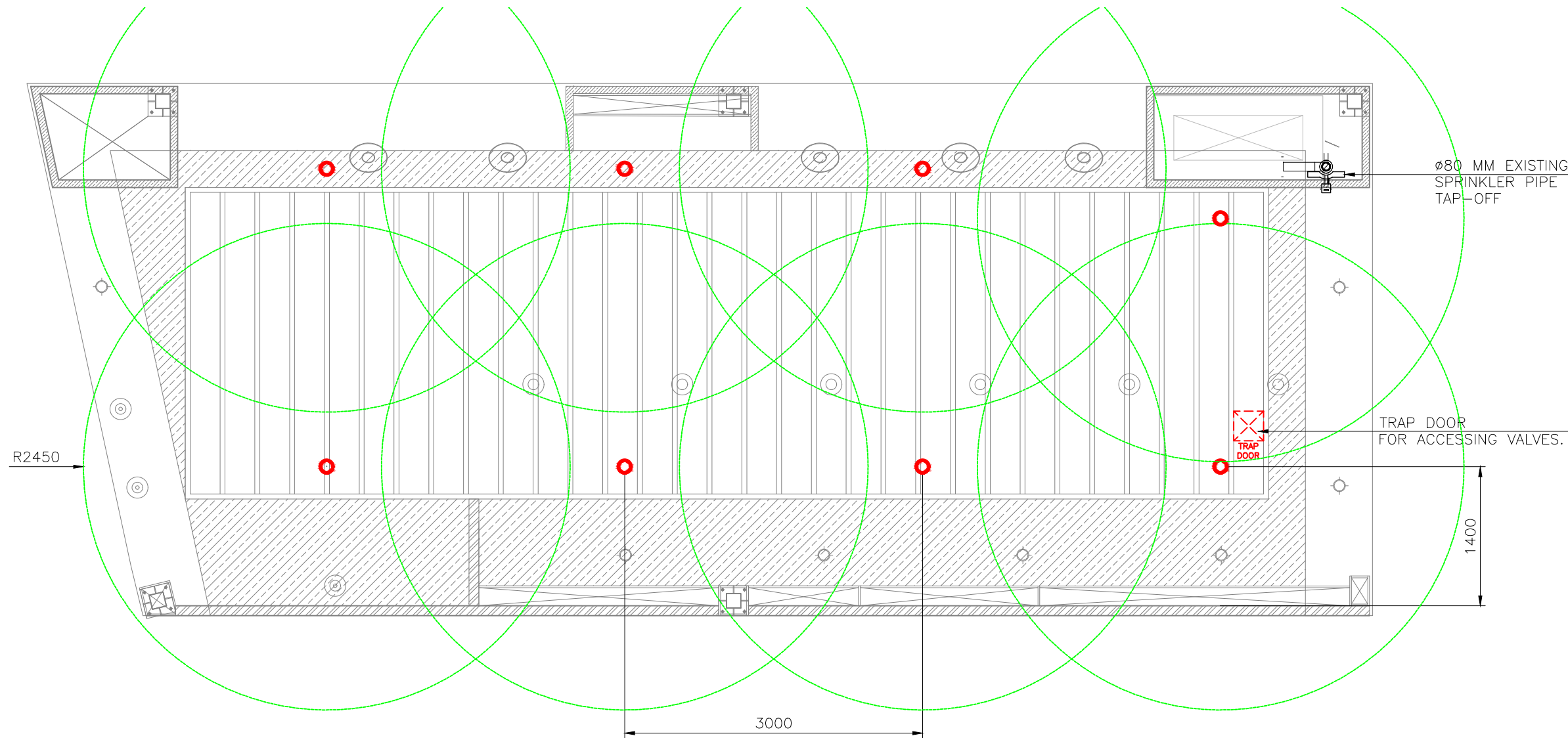
SCALE 1:50    DATE 06.03.24    DRAWN ST    A3 SHEET

STATUS  
**GOOD FOR CONSTRUCTION**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS XXXX FIRE F202 C01**

ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

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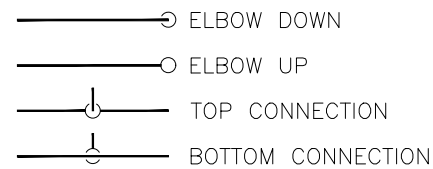
**01 FIRE SPRINKLER LAYOUT - UPRIGHT COVERAGE**

F203 1:50

FIRE SPRINKLER SYSTEM LEGEND		
SYMBOL	DESCRIPTION	QTY
	SPRINKLER HEAD UPRIGHT	08
	SPRINKLER HEAD PENDENT	08
	SPRINKLER BUTTERFLY VALVE (ISOLATION VALVE)	02
	SPRINKLER PIPE FLOW SWITCH	01
	SPRINKLER PIPE	--
	SPRINKLER PIPE EXISTING	--
	SPRINKLER PIPE REDUCER	--
	PRESSURE GAUGE	01
	SPRINKLER BALL VALVE - TEST DRAIN	01
	ACCESS DOOR - 300 x 300	01

**NOTES:**

- INSTALLATION WORKS FOR THE AUTOMATIC SPRINKLERS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NPFA 13.
- ISOLATION VALVE SHALL BE CONSIDERED AT SPRINKLER TAPPING (PN16) AND TRAP DOOR SHALL BE PROVIDED FOR THE SAME FOR EASY MAINTENANCE.
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- DRAIN PIPE WITH BALL VALVE TO BE PROVIDED AFTER THE ISOLATION VALVE FOR MAINTENANCE PURPOSE AS PER SITE CONDITION.
- ALL FIRE SPRINKLER PENDANT SHALL HAVE A COVERAGE AREA OF APPROXIMATELY 24 SQ.METER.
- PRESSURE GAUGE TO BE PROVIDED AFTER ISOLATION VALVE.



REV	DATE	DESCRIPTION	ST	MB	DRN	CHK
C01	06.03.24	GOOD FOR CONSTRUCTION				



PROJECT  
**FF-025**  
**MILIE COOKIES**  
**HYDERABAD AIRPORT**

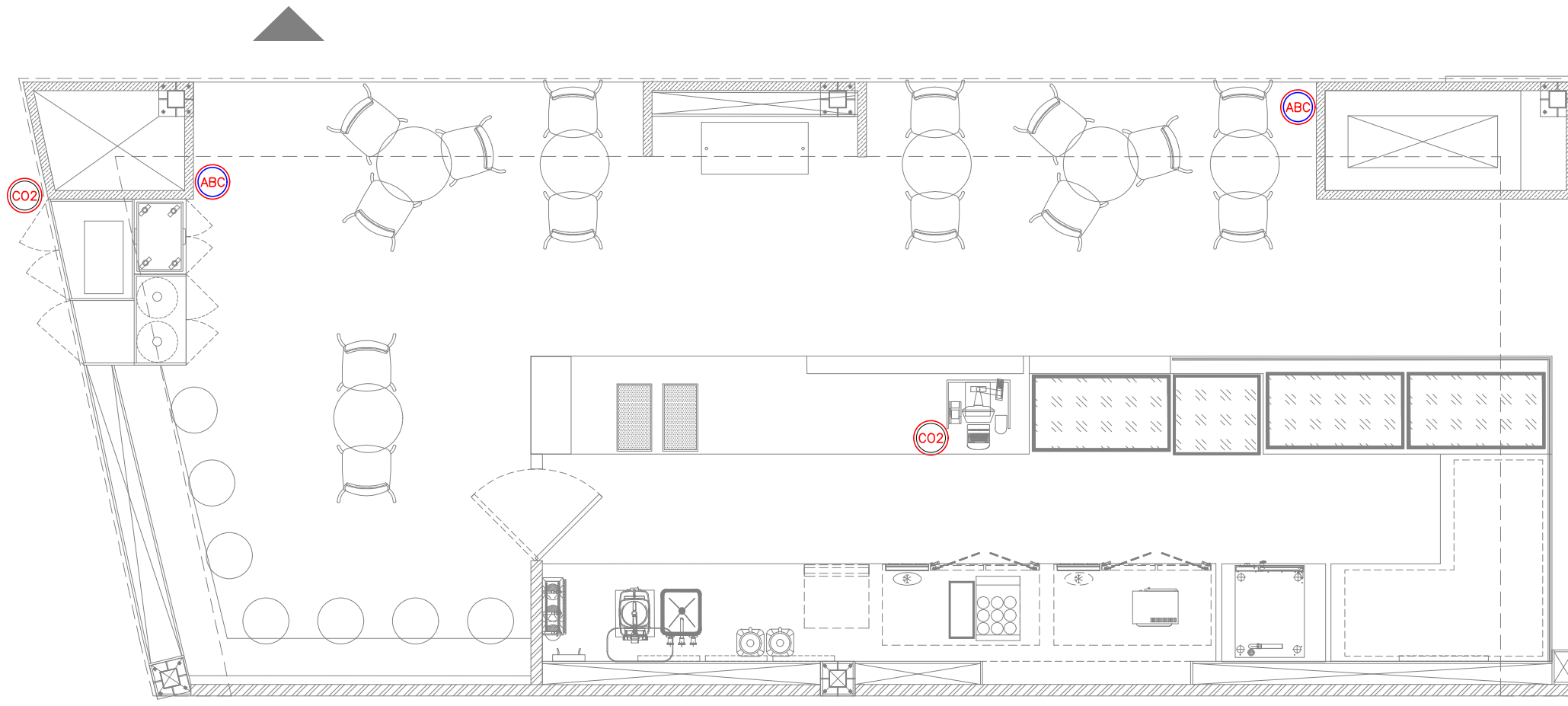
DRAWING TITLE  
**FIRE SPRINKLER LAYOUT**  
**UPRIGHT COVERAGE**

SCALE 1:50 DATE 06.03.24 DRAWN ST A3 SHEET

STATUS  
**GOOD FOR CONSTRUCTION**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS XXXX FIRE F203 C01**





**01 FIRE EXTINGUISHER LAYOUT**  
F301 1:50

FIRE EXTINGUISHERS LEGEND		
SYMBOL	DESCRIPTION	QTY
	FIRE EXTINGUISHER_CLASS ABC (DRY POWDER) – 4 KG	02
	FIRE EXTINGUISHER_CLASS BC (CO2) – 3.0 KG	02

- FIRE EXTINGUISHER SHALL BE INSTALLED IN LOCATION WHERE THEY ARE VISIBLE
- FIRE EXTINGUISHER SHALL BE CONSPICUOUSLY LOCATED WHERE THEY ARE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE IN THE EVENT OF FIRE.
- FIRE EXTINGUISHER SHALL BE INSTALLED SO THAT THE FIRE EXTINGUISHER'S OPERATING INSTRUCTIONS FACE OUTWARD.
- FIRE EXTINGUISHER SHALL BE INSTALLED SO THAT IN NO CASES THE TOP OF THE EXTINGUISHER IS NOT MORE THAT 1500MM ABOVE THE FLOOR LEVEL OR THE CLEARANCE BETWEEN THE BOTTOM OF THE HAND PORTABLE FIRE EXTINGUISHER AND THE FLOOR BE LESS THAN 100MM.
- SIGNS OR OTHER MEANS USED TO INDICATE FIRE EXTINGUISHER LOCATION SHALL BE LOCATED IN CLOSE PROXIMITY TO THE EXTINGUISHER AND SHALL BE VISIBLE FROM THE NORMAL PATH OF TRAVEL.
- ALL FIRE EXTINGUISHER SIGNS TO BE PROVIDED WITH NIGHT GLOW.

REV	DATE	DESCRIPTION	ST	MB	DRN	CHK
C00	27.02.24	GOOD FOR CONSTRUCTION				



PROJECT  
**FF-025**  
**MILIE COOKIES**  
**HYDERABAD AIRPORT**

DRAWING TITLE  
**FIRE EXTINGUISHER LAYOUT**

SCALE 1:50    DATE 27.02.24    DRAWN ST    A3 SHEET

STATUS  
**GOOD FOR CONSTRUCTION**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	XXXX	FIRE	F301	C00