ABBREVIATIONS

AB	ABOVE CEILING
ADDR	ADDRESSABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AWG	AMERICAN WIRE GUAGE
BLDG	BUILDING
BPS	BOOSTER POWER SUPPLY
C	CONDUIT
CB	CIRCUIT BREAKER
CD	CANDELA
CKT	CIRCUIT
CLG	CEILING
COND	CONDUCTOR
CO	CARBON MONOXIDE
DISC	DISCONNECT
DR	DOOR RELEASE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATOR
ER	EXISTING TO BE REMOVED
EX	EXISTING TO REMAIN
FA	FIRE ALARM
FAC	FIRE ALARM CONTRACTOR
FACP	FIRE ALARM CONTROL PANEL
FAS	FIRE ALARM SYSTEM
FBO	FURNISHED BY OTHERS
FCS/FCC	FIRE COMMAND STATION/CENTER
FCO	FUSED CUTOUT
FDR	FEEDER
FL	FLOOR
FP	FIRE PROTECTION
FT	FOOT OR FEET
GC	GENERAL CONTRACTOR
GF	GROUND FAULT
GRD	GROUND
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE(S)
MEP	MECHANICAL–ELECTRICAL–PLUMBING
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MOUNTING
MIN	MINIMUM
NTS	NOT TO SCALE
P	POLE
PB	PULL BOX
PH	PHASE
PNL	PANEL (PANELBOARD)
PP	POWER PANEL
PWR	POWER
R	RECESSED
REC	RECEPTACLE
SW	SWITCH
TEL	TELEPHONE
TSP	TWISTED SHIELDED PAIR
TP	TWISTED PAIR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT(S)
VA	VOLTAMP(S)
W	WATT(S)
WP	WEATHERPROOF

DEMO SYMBOLS AND LEGEND

SYMBOL	DESCRIPTION
———	NEW
———	EXISTING TO REMAIN
- - - - - - - -	EXISTING TO BE DEMOLISHED
(N)	NEW
(E)	EXISTING TO REMAIN
(D)	EXISTING TO BE DEMOLISHED

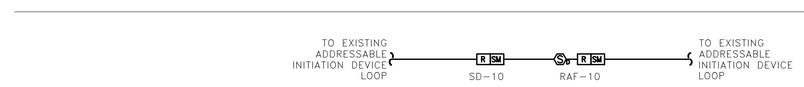
FIRE ALARM VENDOR NOTES

THE EXISTING DIGITIZE DPM–3505S RECEIVER AND EXISTING FIRE ALARM CONSOLE LOCATED AT THE CENTRAL SECURITY STATION IN BUILDING 300 MUST BE REPROGRAMMED AND MODIFIED TO ACCOMMODATE THE NEW FIRE ALARM SYSTEM MODIFICATIONS. THIS WORK, ALONG WITH ASSOCIATED TESTING AND COMMISSIONING, AND UPDATING OF THE CENTER WIDE FIRE ALARM INVENTORY, MUST BE ACCOMPLISHED BY THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE (N–TECH SYSTEMS INC., CONTACT VINCENT MIGNONA @ 610–321–9601). ALL COSTS, INCLUDING COSTS FOR N–TECH WORK, MUST BE THE CONTRACTOR'S RESPONSIBILITY AND MUST BE INCLUDED AS PART OF THE CONTRACTOR'S BID.

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
S D	SMOKE DETECTOR. 'D' INDICATES DUCT MOUNTED.
R SM SH	FIRE ALARM RELAY WITH STATUS MODULE 'SH' INDICATES FAN SHUTDOWN

FIRE ALARM SHEET INDEX



1 FA0.00 PARTIAL FIRE ALARM RISER DIAGRAM

SCALE: NTS

SYSTEM INPUTS		Control Unit Annunciation: ACTUATE COMMON ALARM SIGNAL (A)	ACTUATE AUDIBLE ALARM SIGNAL (B)	ACTUATE COMMON TROUBLE SIGNAL INDICATOR (C)	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL (D)	Notification: ACTIVATE VISUAL/AUDIO DEVICES (E)	DISPLAY/PRINT CHANGE OF STATUS (F)	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION (G)	TRANSMIT WATERFLOW SIGNAL TO SUPERVISING STATION (H)	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION (I)	Required Fire Safety Control: RELEASE MAGNETICALLY HELD DOORS (J)	CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS (K)	OPEN APPROPRIATE SMOKE HATCH (L)	Required Fire Safety Control: SHUT DOWN AHU-10 (M)	CLOSE ASSOCIATED SMOKE DAMPER (N)	
1	AREA SMOKE OR HEAT DETECTORS	X	X			X	X	X			X	X	X	X	X	1
2	IN-DUCT SMOKE DETECTORS	X	X				X	X			X	X		X	X	2
3	HEAT DETECTORS	X	X			X	X	X			X	X		X	X	3
4	WATERFLOW	X	X			X	X		X		X	X		X	X	4
5	OPEN CIRCUIT			X	X		X			X						5
6	GROUND FAULT			X	X		X			X						6
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	

2 FA0.00 FIRE ALARM SEQUENCE OF OPERATIONS

SCALE: NTS

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY

BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE ALARM: GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

DESIGN: SM	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES) DRAWN: DH		DRAWING NO. F2024113–FA0.00	SHEET # 93 OF 110
CHECK: AC			

GENERAL FIRE ALARM NOTES

1. THIS PLAN IS APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

2. THIS PLAN IS FILED FOR FIRE ALARM SYSTEM ONLY.

3. ALL WORK MUST BE COMPLETED BY A LICENSED ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR MUST BE THE PRIME CONTRACTOR RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FIRE ALARM SYSTEM COMPONENTS, DEVICES, WIRING, CONDUIT AND REQUIRED HARDWARE. THE ELECTRICAL CONTRACTOR MUST ALSO BE RESPONSIBLE FOR SUB-CONTRACTING A FACTORY APPROVED FIRE ALARM VENDOR. THE FIRE ALARM VENDOR MUST BE RESPONSIBLE FOR SUPPLYING THE ELECTRICAL CONTRACTOR WITH ALL FIRE ALARM SYSTEM COMPONENTS, TECHNICAL SUPPORT, ASSISTANCE WITH SHOP DRAWING SUBMITTALS, THE SYSTEM PROGRAMMING, AND OVERALL INSTALLATION.

4. THE CONTRACTOR IS SPECIFICALLY RESPONSIBLE FOR ALL MEANS AND METHODS. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

5. DRAWINGS REPRESENT OVERALL DESIGN INTENT. PROVIDE FINAL DESIGN AND INSTALLATION OF FIRE ALARM AND DETECTION SYSTEM IN ACCORDANCE WITH NFPA 72. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE AREA OF WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST BE RESPONSIBLE FOR MAKING ANY NECESSARY MODIFICATIONS TO MEET ACTUAL FIELD CONDITIONS AND TO FULLY COORDINATE THE INSTALLATION OF MATERIAL WITH ALL OTHER TRADES. THESE MODIFICATIONS MUST BE APPROVED BY THE COR AND INDICATED ON THE AS-BUILT DRAWINGS.

6. ALL EQUIPMENT FURNISHED MUST BE NEW UNLESS OTHERWISE NOTED.

7. APPROPRIATE UL LISTED THROUGH PENETRATION FIRE STOP ASSEMBLIES MUST BE PROVIDED FOR ALL PENETRATIONS OF FIRE RATED CONSTRUCTION (FRC) SO AS TO MAINTAIN THE MINIMUM FIRE RESISTANCE RATING OF THE WALL OR FLOOR ASSEMBLY.

8. INSTALLATION AND TERMINATIONS OF ALL WIRE MUST CONFORM TO MANUFACTURERS RECOMMENDATIONS AND THE SPECIFICATIONS.

9. PROVIDE SHOP DRAWING SUBMITTAL ON FIRE DETECTION AND ANNUNCIATION SYSTEM FOR APPROVAL. FOLLOW PROCEDURES FROM FIRE ALARM SPECIFICATION.

10. FINAL SYSTEM ACCEPTANCE TESTING MUST BE PERFORMED WITH SITE PERSONNEL IN ATTENDANCE FOR WITNESSING. THE REQUIREMENTS PROVIDED IN THE FIRE ALARM AND COMMISSIONING SPECIFICATIONS MUST BE FOLLOWED.

11. SURFACE MOUNTED DEVICES MUST BE INSTALLED IN MANUFACTURER'S SURFACE MOUNTED BACKBOXES, WHERE APPLICABLE.

12. QUANTITIES OF DEVICES, APPLIANCES, ETC ARE APPROXIMATE. SEE SPECIFICATIONS FOR EXACT DESIGN REQUIREMENTS BY THE INSTALLING CONTRACTOR.

13. MOUNTING HEIGHT, UNLESS OTHERWISE NOTED, IS TO CENTER LINE OF EQUIPMENT.

14. MOUNT OUTLET BOXES SO THAT NONE OCCUR BACK TO BACK IN WALLS.

15. LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH REMOVAL OF CEILING TILES, OR WITH ACCESS TO EQUIPMENT WHICH REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE.

16. MINIMUM CIRCUIT WIRING FROM THE FIRE ALARM DEVICES MUST BE INDICATED AS FOLLOWS:
    16.1. 1 PAIR #16 AWG FOR ADDRESSABLE SIGNAL LOOP CIRCUITS (TYP)
    16.2. 2 #12 THHN/THWN-POWER, 2#14 (TW. PR.) - SIGNAL

17. ALL WORK INSTALLED AS PART OF THIS CONTRACT MUST BE IN CONFORMANCE WITH THE LOCAL BUILDING CODES AND REFERENCE STANDARDS.

18. ALL WORK INSTALLED AS PART OF THIS CONTRACT MUST BE APPROVED BY LOCAL FIRE DEPARTMENT.

19. ALL CONDUITS MUST BE MINIMUM OF 3/4" EMT EXCEPT FOR CONDUIT RUN WITHIN 8' OF FINISHED FLOORS. WHERE SUBJECT TO MECHANICAL DAMAGE, RUN OUTDOORS OR BURIED, CONDUIT MUST BE TYPE RIGID GALVANIZED STEEL. ALL WIRING MUST BE AS PER MANUFACTURERS REQUIREMENT AND AS PER CODE (TYPICAL).

20. EACH FIRE ALARM INITIATING AND INDICATING CIRCUIT MUST BE ELECTRICALLY SUPERVISED.

21. IN MECHANICAL ROOMS CONDUITS EXPOSED BELOW EIGHT (8) FEET OF FINISHED FLOOR MUST BE IN RIGID GALVENIZED METAL. CONDUIT EXPOSED ABOVE EIGHT (8) FEET AND NOT SUBJECT TO PHYSICAL DAMAGE MUST BE IN EMT. ALL CONDUITS FOR THE FIRE ALARM SYSTEM CONCEALED ABOVE THE CEILING AND IN INTERIOR WALLS AND PARTITIONS MUST BE EMT. FOR CONDUIT REQUIREMENTS IN OTHER SPACES REFER TO ELECTRICAL SPECIFICATION 260533 PAGE ITEM 3.1.C.1.B. ALL CONDUITS FOR THE FIRE ALARM SYSTEM MUST BE CONCEALED FROM VIEW WITHIN BUILDING CONSTRUCTION. WHERE THERE IS EXPOSED CEILING THE CONDUIT MUST BE EXPOSED. THE ELECTRICAL CONTRACTOR MUST CONFORM WITH CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NEC 2020 ARTICLE 760 AND ANY LOCAL CODE AMENDMENTS. CONDUITS LOCATED IN MERS, EMRS, ABOVE CEILINGS AND WITHIN CLOSETS OR UN-OCCUPIED AREA MAY BE SURFACE MOUNTED. PROVIDE APPROVED FIRE STOPPING MATERIAL FOR ALL FLOOR AND WALL CONDUIT PENETRATIONS TO MAINTAIN FIRE RATINGS. ALL FAS CONDULETS, JUNCTION BOXES AND TERMINAL BOXES MUST BE PAINTED FIRE DEPARTMENT RED. IN GENERAL, THE ELECTRICAL CONTRACTOR MUST CONFORM WITH THE CURRENT EDITION OF THE NEC 2020 ARTICLE 760 AND ANY LOCAL CODE AMENDMENTS FOR ALL FIRE ALARM WIRING AND FIRE ALARM POWER WIRING

22. THIS PROJECT MUST INCLUDE THE INSTALLATION OF NEW FIRE ALARM INITIATING AND NOTIFICATION DEVICES, AS SHOWN ON THE DRAWINGS. FOLLOWING COMPONENTS MUST BE PROVIDED UNDER THIS CONTRACT:
    22.1. DUCT MOUNTED SMOKE DETECTORS (AS SPECIFIED).
    22.2. ADDRESSABLE CONTROL AND MONITORING INTERFACE DEVICES.
    22.3. FIRE ALARM CABLE:CONDUITS AND BACKBOXES.

23. TERMINAL BOXES MUST BE INSTALLED FOR EACH FLOOR. PROVIDE AND INSTALL TERMINAL STRIPS IN EACH TERMINAL BOX FOR TERMINATION OF ALL RISER CIRCUITS AND FOR THE HORIZONTAL DISTRIBUTION OF ALL INITIATING AND NOTIFICATION CIRCUITS SERVING EACH FLOOR, AS SHOWN ON DRAWINGS. TERMINAL STRIPS MUST BE LABELED WITH THE APPROPRIATE CIRCUIT TYPE.

24. INSTALL NEW ADDRESSABLE DUCT MOUNTED SMOKE DETECTORS AT SUPPLY/RETURN FANS & RETURN DUCTS, INCLUDING ADDRESSABLE CONTROL MODULES & REMOTE RELAYS AT FAN UNITS, AS INDICATED ON THE DRAWINGS. FAN SHUTDOWN MUST BE A FUNCTION OF THE SYSTEM, NOT THE DUCT DETECTOR. CONTRACTOR TO VERIFY FAN SHUTDOWN WIRING WITH BUILDING AUTOMATION SYSTEM AND MECHANICAL CONTRACTORS. PROVIDE INTERPOSING RELAYS AS REQUIRED FOR INTERPOSING VOLTAGES AT THE FAN STARTER CIRCUITS OR MCC. ADDRESSABLE CONTROL MODULES MUST BE PROVIDED AND INSTALLED (AS OUTPUTS) TO THE BUILDING AUTOMATION SYSTEM FOR DUCT DETECTOR STATUS INDICATIONS. ALL DUCT MOUNTED SMOKE DETECTORS MUST BE PROVIDED WITH REMOTE LED/TEST SWITCHES AND INTERNAL RELAY.

25. PROVIDE ADDRESSABLE INTERFACE CONTROL MODULES AS SHOWN ON THE DRAWINGS, FOR THE FOLLOWING EQUIPMENT/SYSTEMS:
    25.1. AT HVAC FAN UNIT CONTROLLERS FOR FAN SHUT DOWN.
    25.2. AT SMOKE EXHAUST FANS FOR SMOKE CONTROL

26. PROVIDE FIRE/SMOKE DETECTION RATED FOR ZEROFLOWRATE FLOW IN HVAC DUCT WITHIN FIVE (5) FEET OF THE SMOKE DAMPER (INSTALLATION OF FIRE/SMOKE DAMPER BY MECHANICAL OR ELECTRICAL CONTRACTORS). PROVIDE A SEPARATE ADDRESSABLE RELAY MODULE FOR DAMPER CONTROL FUNCTIONS. LOCATE ADDRESSABLE RELAY AT AN ACCESSIBLE LOCATION WITHIN THREE (3) FEET OF THE DAMPER CONTROLS OR CONTROL CIRCUIT. PROVIDE CIRCUITS TO THE DAMPER CONTROLLER. FINAL WIRING CONNECTIONS TO THE DAMPER CONTROLLER ARE BY THE ELECTRICAL, MECHANICAL, AND TEMPERATURE CONTROLS CONTRACTORS. COORDINATE ALL EQUIPMENT INSTALLATION AND INTERFACE CONNECTIONS WITH THE ELECTRICAL, MECHANICAL, AND TEMPERATURE CONTROLS CONTRACTORS.

27. ALL FIRE ALARM DEVICES AND NOTIFICATION APPLIANCES INDICATED ON THE FIRE ALARM DRAWINGS ARE NOT DIMENSIONED FOR EXACT INSTALLATION LOCATIONS. THE CONTRACTOR MUST COORDINATE THE EXACT LOCATIONS OF ALL FIRE ALARM DEVICES AND NOTIFICATION APPLIANCES WITH THE GENERAL CONTRACTOR PRIOR TO FINAL INSTALLATION.

28. ALL ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. THE CONTRACTOR MUST REFER TO THE OTHER DISCIPLINE'S DRAWINGS FOR EXACT LOCATIONS, SIZES, AND QUANTITIES OF OTHER DISCIPLINE'S WORK FOR FINAL LOCATION.

29. ALL DEVICES INSTALLED AS DESCRIBED ABOVE MUST BE PROGRAMMED, TESTED AND MADE FULLY OPERATIONAL AT THE FCC TO IMPLEMENT THE FIRE MANAGEMENT SEQUENCE OF OPERATION AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

30. AT THE COMPLETION OF ALL INSTALLATIONS & TESTING, THE ENTIRE INSTALLATION MUST BE TESTED IN ACCORDANCE WITH NFPA 72, AND PRE-TESTED IN ACCORDANCE WITH THE CITY AND PORT AUTHORITY STANDARDS/REGULATIONS PRIOR TO INSPECTION. THE FIRE ALARM CONTRACTOR MUST REQUEST THE FD INSPECTION UPON COMPLETION OF ALL WORK AND PRE-TESTING.

31. UPON COMPLETION OF THIS INSTALLATION AND APPROVAL BY THE FIRE DEPARTMENT / PORT AUTHORITY, THE FIRE ALARM CONTRACTOR MUST WARRANTY THE ENTIRE INSTALLATION FOR A PERIOD OF ONE (1) YEAR. WARRANTY MUST INCLUDE ALL PARTS & LABOR.

32. THE GENERAL CONTRACTOR & CONSTRUCTION MANAGER MUST BE RESPONSIBLE FOR ALL PATCHING AND FINISHING OF SURFACES DAMAGED BY INSTALLATION OF NEW EQUIPMENT. ALL FLOOR AND WALL PENETRATIONS MUST BE FILLED WITH AN APPROVED FIRE STOPPING MATERIAL. THE CONTRACTORS MUST COORDINATE ALL PATCHING, FINISHING AND LOCATION OF EQUIPMENT WITH THE ARCHITECT. THE CM MUST SCHEDULE AND APPROVE ALL WORK.

33. UPON COMPLETION OF THE ENTIRE SYSTEM INSTALLATION AND APPROVAL BY THE FIRE DEPARTMENT, THE ELECTRICAL CONTRACTOR MUST PROVIDE THE OWNER WITH 'AS-BUILT' DRAWINGS, DEPICTING THE EXACT INSTALLATION. DRAWINGS MUST BE SUBMITTED IN ELECTRONIC FORMAT FOR AUTOCAD 2013.

34. THE ELECTRICAL AND FIRE ALARM CONTRACTORS MUST PROVIDE ADEQUATE PERSONNEL FOR ALL PRE-TESTING AND FIRE DEPARTMENT INSPECTIONS, INCLUDING REPRESENTATION FROM THE FIRE ALARM SYSTEM MANUFACTURER.

35. ALL WORK MUST BE COORDINATED THROUGH THE CM. ALL FIRE ALARM SYSTEM STANDARDS MUST BE EMPLOYED AS SPECIFIED.

36. ALL WORK MUST CONFORM TO ALL APPLICABLE BUILDING AND FIRE DEPARTMENT CODES AND STANDARDS AS REQUIRED FOR A FIRE ALARM SYSTEM IN LOCAL STANDARDS. ALL MANUFACTURER'S SPECIFICATIONS MUST ALSO APPLY.

37. UPON REVIEW OF CONSTRUCTION DOCUMENTS AND PRIOR TO THE SUBMISSION OF PROPOSALS, THE CONTRACTORS MUST INFORM THE OWNER/CM OF ANY DISCREPANCIES OR REQUEST CLARIFICATIONS, IF NECESSARY, CONCERNING THE INTENT OF THE PLANS AND SPECIFICATIONS.

FIRE ALARM SYSTEM APPLICABLE CODES

1. THE GENERAL CONTRACTOR & CONSTRUCTION FIRE ALARM SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF APPLICABLE CODES AND STANDARDS, FAA ORDERS AND FAA FIRE ALARM MASTER SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
   NFPA 3 – STANDARD FOR COMMISSIONING OF FIRE PROTECTION AND LIFE SAFETY SYSTEMS
   NFPA 4 – STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING
   NFPA 70 – NATIONAL ELECTRICAL CODE, 2017 EDITION
   NFPA 70E – STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE
   NFPA 72 – NATIONAL FIRE ALARM AND SIGNALING CODE
   NFPA 90A – STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS
   NFPA 101 – LIFE SAFETY CODE
   INTERNATIONAL BUILDING CODE, 2018 NEW JERSEY EDITION (NJ IBC)
   INTERNATIONAL FIRE CODE, 2015 NEW JERSEY EDITION

GENERAL DESCRIPTION

1. THE FIRE ALARM SYSTEM MUST BE A PROTECTED PREMISES (LOCAL) FIRE ALARM SYSTEM, AS DEFINED IN NFPA 72 SECTION 3.3. THE FIRE ALARM SYSTEM MUST INCLUDE MANUAL AND AUTOMATIC INITIATION IN ACCORDANCE WITH NJ IBC SECTION 907.2, AN AUTOMATIC FIRE DETECTION SYSTEM IN ACCORDANCE WITH NJ IBC SECTION 907.2.21, AND AUDIBLE AND VISUAL NOTIFICATION IN ACCORDANCE WITH NJ IBC SECTIONS 907.5.2.1 AND 907.5.2.3, RESPECTIVELY.

2. THE FIRE ALARM SYSTEM MUST BE ELECTRICALLY SUPERVISED (PER UL 864 AND NFPA 72), MICROPROCESSOR CONTROLLED, AND UTILIZE INTELLIGENT ADDRESSABLE REPORTING TYPE FIRE ALARM EQUIPMENT TO FORM A COMPLETE, OPERATIVE, COORDINATED SYSTEM.

3. THE FIRE ALARM SYSTEM AND ITS COMPONENTS MUST BE UNDERWRITERS LABORATORIES, INC. (UL) LISTED UNDER THE APPROPRIATE UL TESTING STANDARD FOR FIRE ALARM APPLICATIONS AND MUST BE IN COMPLIANCE WITH THE CURRENT UL EDITION LISTING.

INTELLIGENT (ADDRESSABLE) INITIATING DEVICES

1. DUCT MOUNTED SMOKE DETECTORS
   1.1. IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT AND APPLIANCES OF RETURN AIR SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2,000 CFM (INTERNATIONAL MECHANICAL CODE 606.2.1).(RAF 10)
   1.2. DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEMS HAVING A CAPACITY GREATER THAN 2,000 CFM (INTERNATIONAL MECHANICAL CODE 606.2.4)(AHU-10 SUPPLY FAN)

2. MONITORING INTERFACE MODULES:
   2.1. SMOKE EXHAUST FANS (FAN STATUS)

3. CONTROL INTERFACE MODULES/RELAYS:
   3.1. INSTALLED WITHIN 3 FEET OF THE EQUIPMENT BEING CONTROLLED:
   3.2. AT HVAC FAN CONTROLLERS FOR AUTOMATIC AND MANUAL CONTROL FROM THE FACP

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

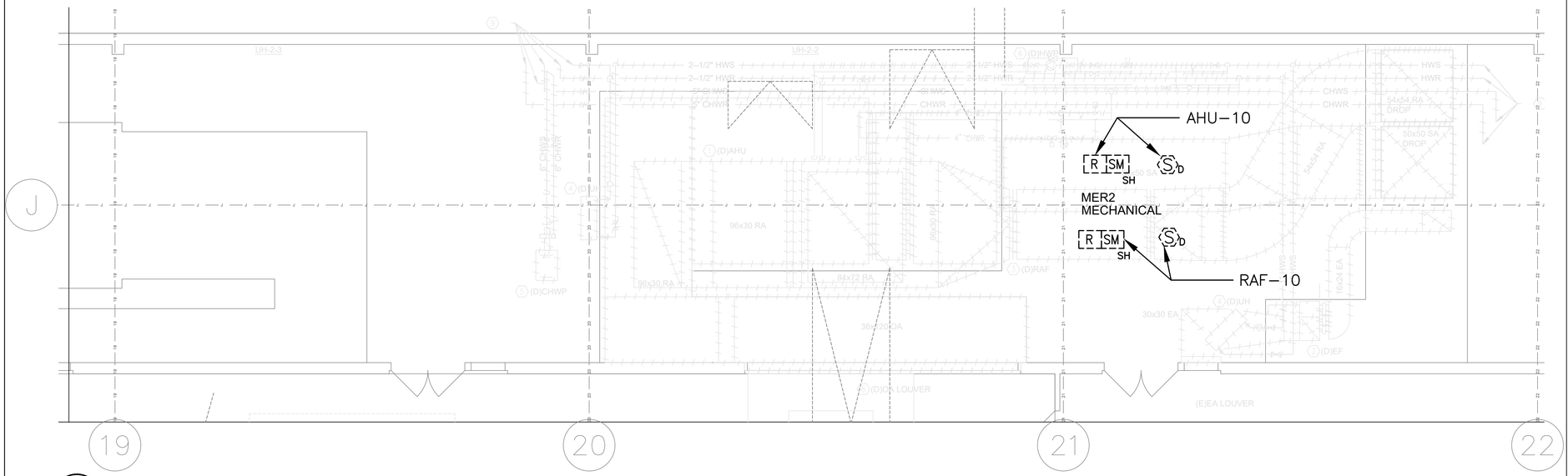
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE ALARM: GENERAL NOTES

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

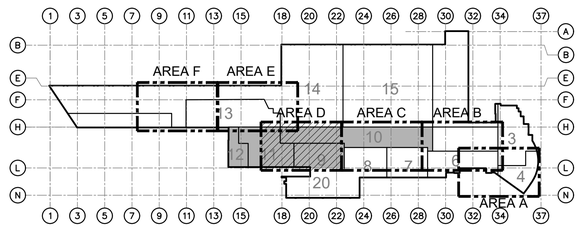
	DESIGN: SM	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024 JCN:
APPROVAL (FINISHES)	DRAWN: DH		DRAWING NO. F2024113-FA0.01
	CHECK: AC		SHEET # 94 OF 110



1 FAD1.01 FIRE ALARM: DEMOLITION PART PLAN - MER-2

SCALE: 1/4" = 1'–0"

0 2' 4' 8'



KEY PLAN

GENERAL NOTES:

1. REFER TO DRAWING FA0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. FIRE ALARM INITIATING DEVICES SHOWN MUST REMAIN IN SERVICE EXCEPT FOR DUCT SMOKE DETECTORS. COORDINATE ANY SHUTDOWNS OF FIRE ALARM SERVICE WITH THE FAA. DUCT SMOKE DETECTORS ARE SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXACT LOCATION. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND DIMENSIONS OF DUCTWORK.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

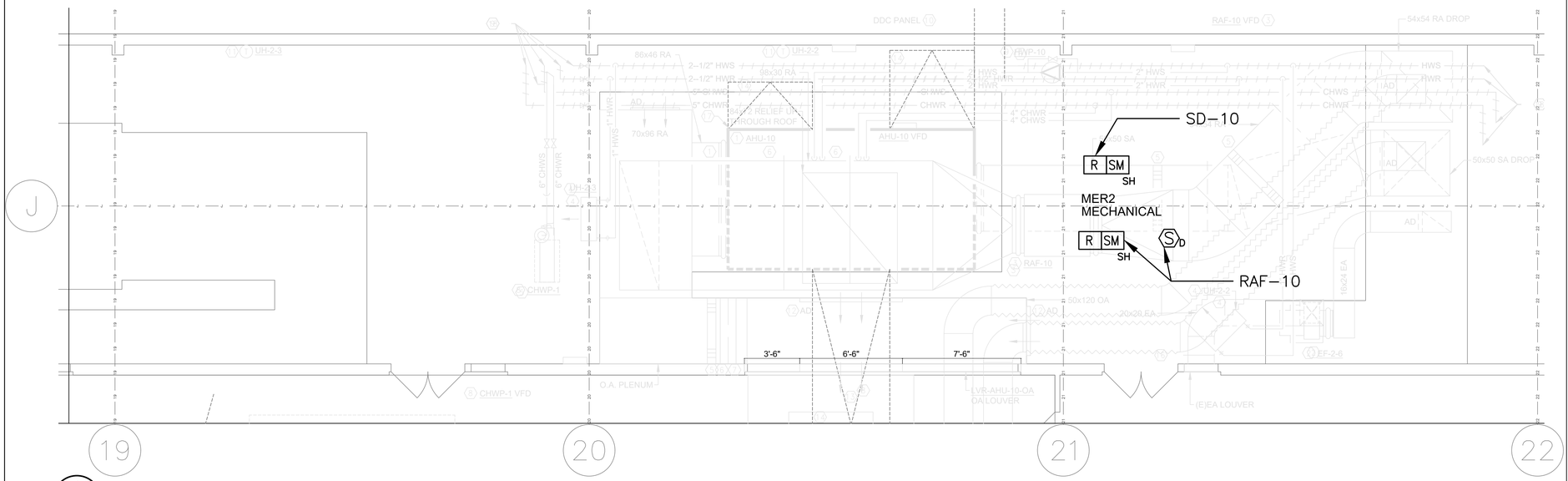
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE ALARM: DEMOLITION
PART PLAN – MER–2

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

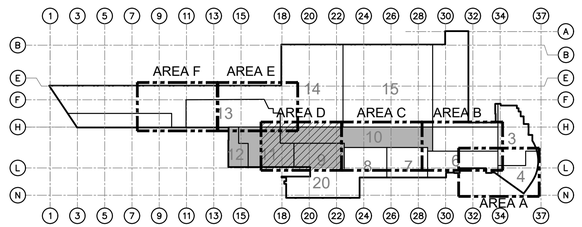
APPROVAL (FINISHES)	DESIGN: SM	DRAWN: DH	CHECK: AC	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
				DRAWING NO. F2024113–FAD1.01	SHEET # 95 OF 110	



1 FA1.01 FIRE ALARM: PART PLAN - MER-2

SCALE: 1/4" = 1'-0"

0 2' 4' 8'



KEY PLAN

GENERAL NOTES:

1. REFER TO DRAWING FA0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. COORDINATE ANY SHUTDOWNS OF FIRE ALARM SERVICE WITH THE FAA. NEW FIRE ALARM INITIATING DEVICES SHOWN MUST BE MANUFACTURED BY FIRE CONTROL INSTRUMENTS OR COMPATIBLE. DUCT SMOKE DETECTORS ARE SHOWN FOR REFERENCE ONLY. COORDINATE EXACT LOCATION WITH THE MECHANICAL CONTRACTOR AND THEIR SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND DIMENSIONS OF DUCTWORK.
3. ALL OTHER EXISTING FIRE ALARM DEVICES IN MER TO BE RETAINED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE ALARM: PART PLAN - MER-2

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

	DESIGN: SM	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: DH		DRAWING NO. F2024113-FA1.01	SHEET # 96 OF 110
	CHECK: AC			

FIRE PROTECTION GENERAL NOTES

1. ALL LEGEND SYMBOLS AND ABBREVIATIONS SHOWN ON DRAWINGS DO NOT NECESSARILY APPEAR IN THESE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL COMPLY WITH THE 2021 NEW JERSEY FIRE CODE. INSTALLATION PROCEDURES SHALL COMPLY WITH THE SAFETY RULES OF OSHA, THE NEW JERSEY FIRE SAFETY CODE AND 2021 NJ BUILDING CODE. CONTRACTOR SHALL COMPLY WITH NFPA CODES AND STANDARDS AS ADOPTED BY NEW JERSEY, INCLUDING BUT NOT LIMITED TO THE FOLLOWING CODES AND STANDARDS: NFPA 13, 14, 25, 70, AND 72.
3. THE WORK COVERED CONSISTS OF FURNISHING ALL LABOR AND MATERIALS NECESSARY TO INSTALL, COMPLETE, AND READY FOR CONTINUOUS OPERATION THE FIRE PROTECTION SYSTEM, APPARATUS AND EQUIPMENT FOR THE PROJECT.
4. ALL EQUIPMENT AND MATERIALS FURNISHED UNDER THE FIRE PROTECTION WORK, LABOR AND TESTING PERFORMED HEREIN SHALL BE IN COMPLETE ACCORDANCE WITH NEW JERSEY BUILDING CODE, ALL LOCAL CODES AND REGULATIONS, NATIONAL FIRE PROTECTION ASSOCIATION, INSURANCE REGULATIONS AND REQUIREMENTS GOVERNING SUCH WORK.
5. THE CONTRACTOR SHALL COORDINATE ALL DISCIPLINES AND ALL OTHER WORK IN THE DESIGN AND IMPLEMENTATION OF THE WORK. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM A FAILURE TO COORDINATE THE WORK TO THE SATISFACTION OF THE OWNER.
   A. REFER TO MECHANICAL CONTRACT DRAWINGS FOR DUCTWORK, PIPING, AND EQUIPMENT LOCATIONS.
   B. REFER TO ELECTRICAL CONTRACT DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.
   C. REFER TO PLUMBING CONTRACT DRAWINGS FOR PIPING AND EQUIPMENT LOCATIONS.
6. PIPE SIZES SHOWN ARE FOR REFERENCE ONLY. FINAL SIZING SHALL BE AS PER APPROVED HYDRAULIC CALCULATIONS AND SHOP DRAWINGS. EQUIVALENT FITTING LENGTH USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA 13. HYDRAULIC DESIGN SHALL BE BASED ON THE FOLLOWING CRITERIA:
   A. OCCUPANCY CLASSIFICATION
   B. MINIMUM DENSITY OF DISCHARGE
   C. AREA OF SPRINKLER APPLICATION
7. ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ADOPTED NFPA STANDARDS, UL STANDARDS, FM STANDARDS, INSURANCE UNDERWRITER'S REQUIREMENTS AND LOCAL AUTHORITY HAVING JURISDICTION. INDICATE PIPING LAYOUT, PIPING SIZES, HEAD LOCATIONS, ETC.
8. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS AND OBTAIN APPROVALS FROM THE COR AND LISTED AGENCIES BELOW, PRIOR TO PROCUREMENT, FABRICATION, INSTALLATION, ETC.
   A. OWNER'S DESIGN/ENGINEERING REVIEW AGENT
   B. THE LOCAL AUTHORITY HAVING JURISDICTION
9. SHOP DRAWINGS SUBMITTED FOR THE REVIEW SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN NEW JERSEY.
10. ROUTING OF MAINS, BRANCHES, AND HEADS SHALL BE THOROUGHLY COORDINATED WITH OTHER WORK AND BUILDING STRUCTURE PRIOR TO THE SUBMISSION OF COORDINATED SHOP DRAWINGS.
11. PROVIDE APPROPRIATE SIGNAGE THAT IS REQUIRED BY NEW JERSEY BUILDING AND FIRE CODES, NFPA, LOCAL AUTHORITY HAVING JURISDICTION AND THE AUTHORITY, TO IDENTIFY EQUIPMENT AND ITS OPERATION.
12. PROVIDE PIPE SUPPORTS, RISER CLAMPS AND HANGERS TO SUPPORT PIPING, EQUIPMENT AND ACCESSORIES INDEPENDENTLY FROM THE STRUCTURE. THE CONTRACTOR SHALL PROVIDE REQUIRED SUPPLEMENTARY STEEL TO ACCOMPLISH A SAFE AND SOUND INSTALLATION.
13. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR OR HIS WORKMEN BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP EXCEPT AS PERMITTED BY THE OWNER.
14. EQUIPMENT AND MATERIALS SHALL BE FULLY TESTED AND THOROUGHLY CLEANED PRIOR TO ISSUANCE OF THE CERTIFICATE OF FINAL COMPLETION.
15. THE LOCATION OF DEVICES AND EQUIPMENT SHOWN ON THESE DRAWINGS ARE APPROXIMATE. FINAL LOCATION SHALL BE DETERMINED ACCORDING TO SITE CONDITIONS AND COORDINATION WITH ALL DISCIPLINES AND ALL OTHER WORK.
16. REFER TO NFPA 13 FOR EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS. CONTRACTOR SHALL INSTALL QUICK RESPONSE TYPE SPRINKLERS ONLY. EXTENDED COVERAGE, QUICK RESPONSE TYPE SPRINKLER MAY ONLY BE USED WITH THE APPROVAL OF THE ENGINEER.
17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFEGUARDS NECESSARY TO PROTECT PERSONS AND PROPERTY FROM INJURY OR DAMAGE DURING PERFORMANCE OF THE WORK.
18. UPON COMPLETION OF SYSTEM INSTALLATION, PERFORM A HYDROSTATIC TEST ON ALL PIPING AND ATTACHED APPURTENANCES IN THE PRESENCE OF A REPRESENTATIVE OF THE LOCAL FIRE MARSHAL AND THE OWNER. THE SYSTEM SHALL BE HYDROSTATICALLY TESTED AS PER NEW JERSEY CODES AND NFPA REQUIREMENTS. LOSS SHALL BE DETERMINED BY A DROP IN GAUGE PRESSURE OR VISUAL LEAKAGE. THE TEST PRESSURE SHALL BE READ FROM A GAUGE LOCATED AT THE LOW ELEVATION POINT OF THE SYSTEM OR PORTION BEING TESTED. ALL SYSTEM TESTING SHALL BE IN ACCORDANCE WITH NFPA 13, 14 AND NFPA 25. ALL WITNESSES SHALL BE NOTIFIED 24 HOURS BEFORE THE TEST.
19. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN PROTECTING AND MAINTAINING ITEMS ADJACENT TO AND WITHIN THE CONSTRUCTION SITE, SHALL FULLY PROTECT THEM FROM DAMAGE RESULTING FROM CONTRACTOR WORKMEN, SUBCONTRACTORS, OR AGENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAINTING, CLEANING, OR REPLACING ANY SUCH DAMAGE AS PART OF THE WORK. ALL SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL WORK.
20. PROVIDE A FIRE WATCH WHENEVER ANY WELDING IS DONE WITHIN THE AREA BEING WORKED, DURING THE WELDING OPERATION, AND FOR ONE HOUR AFTER WELDING IS COMPLETE. CONTRACTOR MUST OBTAIN A HOT WORK PERMIT FROM FAA FIRE INSPECTORS ONE WEEK IN ADVANCE.
21. SUBSEQUENT TO COMPLETION OF WORK PROVIDE A MATERIAL TEST AND CERTIFICATION FORM TO THE LOCAL FIRE MARSHALL AND OWNER TO CERTIFY THAT THE SPRINKLER SYSTEM WAS INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS, FEDERAL, STATE, AND LOCAL CODES AND PROCEDURES.
22. ALL VALVES AND EQUIPMENT SHALL BE TAGGED AS PER OWNER REQUIREMENTS AND STANDARDS.
23. ALL PIPING SHALL BE LOCATED IN HUNG CEILING, INSIDE SOFFIT OR IN PIPE CHASES.
24. PROVIDE FIRE STOPPING MATERIAL FOR ALL PENETRATIONS THROUGH FIRE WALLS AND FIRE RATED SEPARATIONS EQUAL TO THE RATING OF RESPECTIVE PARTITION. COORDINATE WITH ARCHITECT LOCATIONS AND RATINGS OF ALL FIRE RATED SEPARATIONS AND BARRIERS. INSTALLATION OF FIRE STOPPING SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
25. CONTRACT DRAWINGS INDICATE FIRE PROTECTION PIPING LAYOUT ONLY. COORDINATE OFFSET DROPS AND RISERS WITH WORK SHOWN ON OTHER CONTRACT DRAWINGS.
26. FURNISH AND INSTALL AUXILIARY DRAINS AT TRAPPED SECTIONS OF PIPING AS REQUIRED BY NFPA 13.
27. ALL SPRINKLER PIPING SHALL BE SCHEDULE 40. SCHEDULE 10 AND 30 SPRINKLER PIPING ARE NOT PERMITTED.
28. ALL EXISTING FIRE PROTECTION SYSTEMS SHALL BE MADE OPERATIONAL AT THE END OF EACH WORK PERIOD
29. WHERE EXISTING SPRINKLER PIPING IS NOTED TO BE REMOVED, THE EXISTING HANGER SHALL REMAIN FOR REINSTALLATION AT SAME LOCATION
30. FURNISH AND INSTALL TAMPER SWITCHES ON ALL FIRE WATER SERVICE VALVES.
31. NOT USED.
32. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT ALL UTILITIES, EQUIPMENT AND STRUCTURE FROM DAMAGE IN THE WORK AREAS. ANY UTILITIES, STRUCTURES AND/OR EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
33. ALL EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.

SPRINKLER HEAD INSTALLATION NOTES

1. REFER TO NFPA 13 FOR TEMPERATURE RATINGS OF SPRINKLER BASED ON THE ROOM OCCUPANCY.
2. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANFACTURER RECOMMENDATIONS.
3. SPRINKLER HEADS TO BE MANUFACTURED BY VICTAULIC OR APPROVED EQUAL.

FIRE PROTECTION SCOPE OF WORK

1. REPLACE OR RELOCATE EXISTING SPRINKLERS BASED ON MECHANICAL OR CEILING WORK MODIFICATION AS INDICATED ON FLOOR PLANS.
2. EXISTING SPRINKLER SYSTEM CODE COMPLIANCE AND ADEQUACY STUDY ARE NOT UNDER THIS CONTRACT; ALL EXISTING SPRINKLER LOCATIONS SHOWN ON FLOOR PLAN ARE NOT INTENDED TO BE THE FINAL FIELD CONDITION, FIELD VERIFICATION FROM THE CONTRACTOR ARE REQUIRED PRIOR TO COMMENCING ANY INSTALLATION WORK.

FIRE PROTECTION SYMBOLS LIST

	EXISTING PIPING
	PIPING TO BE REMOVED
SP	SPRINKLER PIPING
DR	DRAIN PIPING
	PIPE DROP OR DOWN
	PIPE UP OR RISE
OS&Y GATE BALL	VALVE
	CAPPED OUTLET
	PIPE BREAK
	DIRECTION OF FLOW
	POINT OF DISCONNECTION
	POINT OF CONNECTION
	EXISTING SPRINKLER HEAD
	SPRINKLER DEMOLISHED
	NEW SPRINKLER HEAD – UPRIGHT
	NEW SPRINKLER HEAD – PENDENT
	SPRINKLER HEAD BELOW DUCT
	EXISTING SPRINKLER HEAD TO BE RELOCATE WITH NEW HEAD

FIRE PROTECTION ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTOR
CL	CENTERLINE
DN	DOWN
DR	DRAIN
(E)	EXISTING
OS&Y	OUTSIDE STEM & YOKE
SP	SPRINKLER
TS	TAMPER SWITCH
TYP	TYPICAL
VIF	VERIFY IN FIELD

SPRINKLER HEAD SCHEDULE

SPRINKLER SYMBOL	MANUFACTURER (OR APPROVED EQUAL)	MODEL	TYPE	LOCATION	FINISH	K-FACTOR	APPROVALS	TEMPERATURE RATING	REMARKS
●	VICTAULIC	V5653	PENDENT	OFFICE AREAS	QUICK RESPONSE	5.6	UL/FM	155 °F TO 175 °F	NONE
⊙	VICTAULIC	V2704	UPRIGHT	5TH FLOOR	QUICK RESPONSE	5.6	UL/FM	155 °F TO 175 °F	PROVIDE PROTECTIVE GUARD CAGE FOR ALL THE SPRINKLERS INSTALLED UNDER DUCT.

VERIFY THE EXISTING SPRINKLER HEAD TYPE AND MATCH EXISTING HEAD.

FIRE PROTECTION DEMOLITION NOTES

1. ALL EQUIPMENT, PIPING, ETC., TO BE REMOVED, SHALL BE DISPOSED OF, TURNED OVER TO OR SALVAGE AS DIRECTED. THEY SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT APPROVAL.
2. THE EXISTING SYSTEMS TO REMAIN SHALL BE LEFT IN PERFECT WORKING ORDER AT COMPLETION OF DEMOLITION WORK.
3. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING SHALL BE VERIFIED ON THE JOB PRIOR TO ANY REMOVAL WORK.
4. NO REMOVED EXISTING PIPING AND EXISTING SPRINKLER HEAD SHALL BE REUSED.
5. ALL EXISTING EXPOSED, UNNECESSARY PIPING RELATED TO WORK BEING REMOVED SHALL BE COMPLETELY REMOVED.
6. DO NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING COMPLEX, NOR INTERFERE WITH THE SERVICES IN ANY WAY WITHOUT EXPRESSED PERMISSION FROM BUILDING ENGINEER. SUCH INTERRUPTIONS AND INTERFERENCE SHALL BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE DESIGNATED TIMES. COORDINATION IS WITH COR.
7. NOT USED.
8. ALL PIPING REMOVAL SHALL INCLUDE REMOVAL OF ALL APPURTENANCES CONTAINED THEREIN SUCH AS VALVES, HANGERS, SUPPORTS, ETC. CAPS SHALL BE INSTALLED AT ALL OPEN ENDS OF PIPING TO REMAIN AND SHALL BE OF THE SAME MATERIAL AND PRESSURE RATING AS EXISTING.
9. REMOVE EXISTING PIPING AS INDICATION ON DRAWING OR AS MAY BE REQUIRED. REMOVE RUBBISH FROM PREMISES AND SITE AT THE END OF EACH WORK DAY AND AS DIRECTED.
10. TORCH CUTTING; BEFORE PROCEEDING WITH WORK, SUBMIT CERTIFICATE OF COMPLIANCE AND NOTIFY BUILDING FIRE WARDEN. OBTAIN A HOT WORK PERMIT FROM THE FAA FIRE INSPECTORS ONE WEEK IN ADVANCE.
11. FIRE PROTECTION DEMOLITION WORK SHALL BE IN STRICT CONFORMITY WITH THE NEW JERSEY BUILDING CODE AND OTHER AUTHORITIES HAVING JURISDICTION.

FIRE PROTECTION SHEET INDEX

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

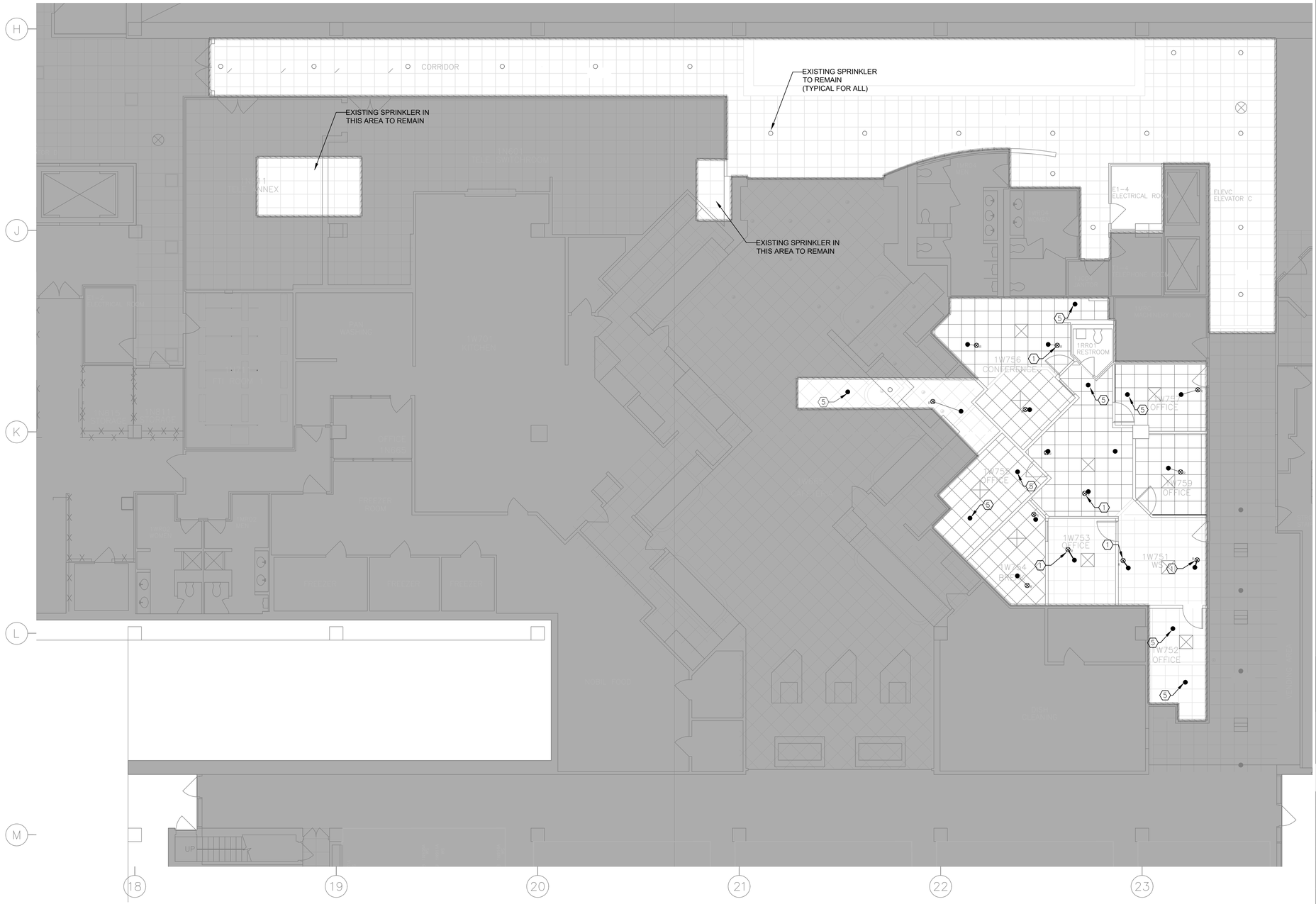
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION GENERAL NOTES SYMBOLS AND ABBREVIATIONS

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

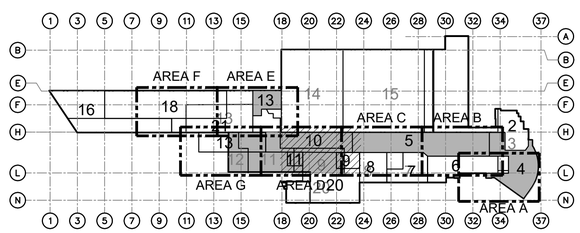
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP0.01	SHEET # 97 OF 110
	CHECK: EA			



1 FP1.01 FIRE PROTECTION FIRST FLOOR PLAN - AREA "D"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD WITH ASSOCIATE PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. PROTECT EXISTING SPRINKLER HEAD DURING NEW MECHANICAL DUCT INSTALLATION AND REPLACE WITH NEW SPRINKLER HEAD AT THE SAME LOCATION.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

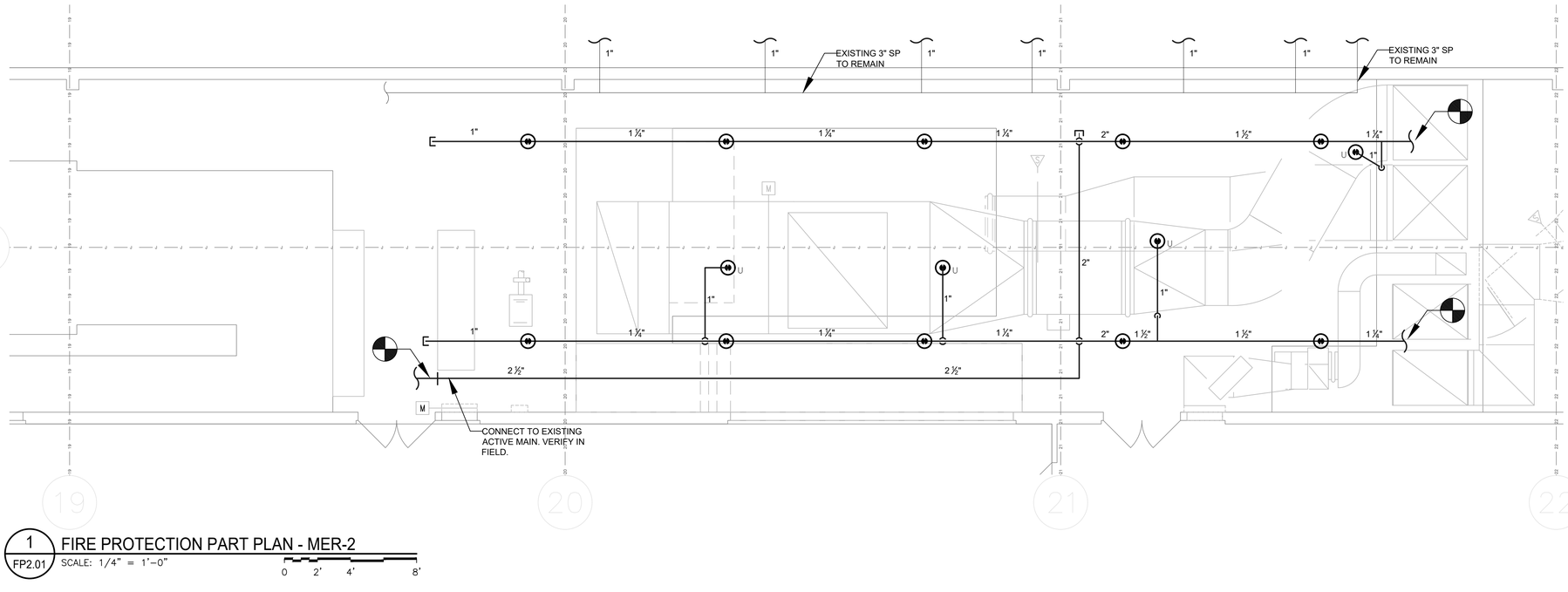
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION FIRST FLOOR PLAN – AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

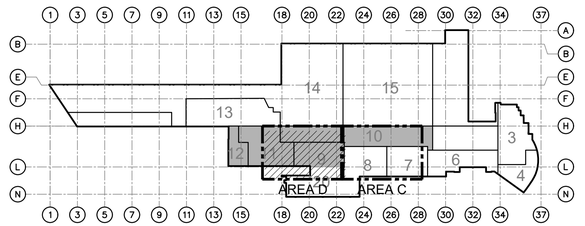
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP1.01	SHEET # 98 OF 110
	CHECK: EA			



1 FP2.01 FIRE PROTECTION PART PLAN - MER-2

SCALE: 1/4" = 1'-0"

0 2' 4' 8'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD WITH ASSOCIATE PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. REMOVE EXISTING SPRINKLER HEAD DURING NEW MECHANICAL DUCT INSTALLATION AND REPLACE WITH NEW SPRINKLER HEAD AT THE SAME LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

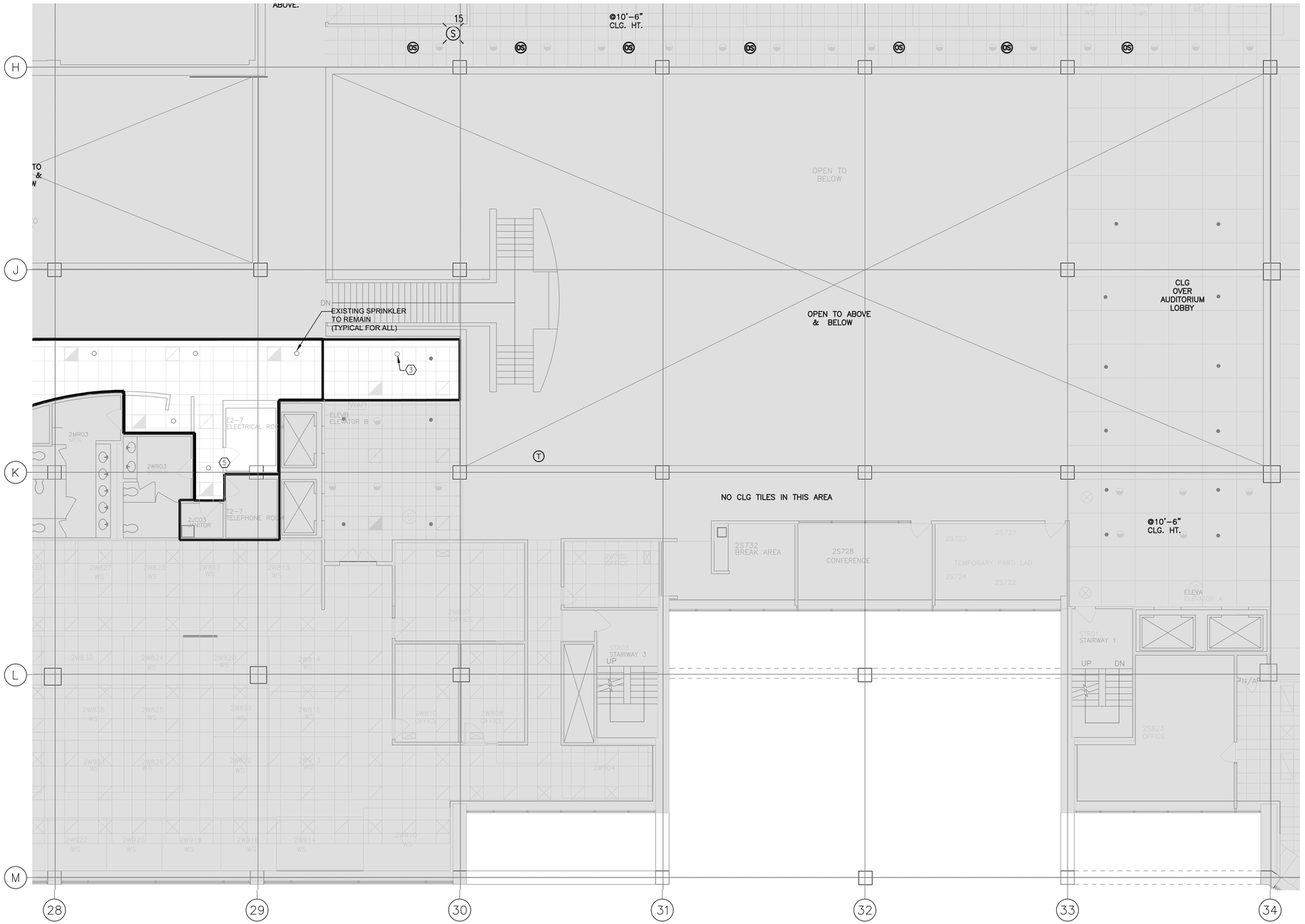
FACILITY

BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION PART PLAN – MER–2

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

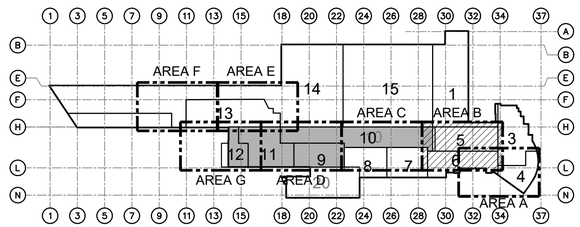
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP2.01	SHEET # 99 OF 110
	CHECK: EA			



1 FP2.03 FIRE PROTECTION SECOND FLOOR PLAN - AREA "B"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE. SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING. EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

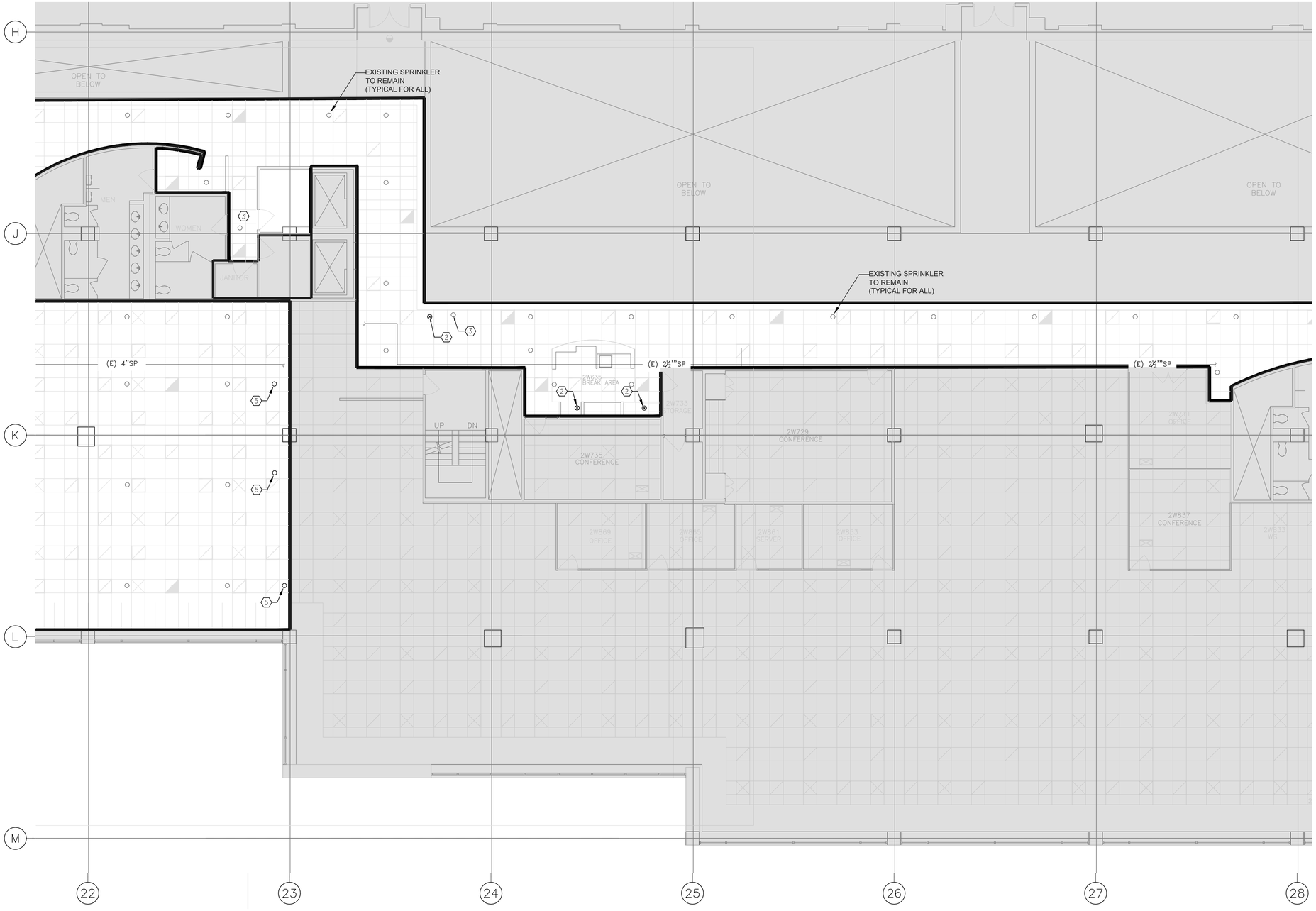
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION SECOND FLOOR PLAN - AREA "B"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

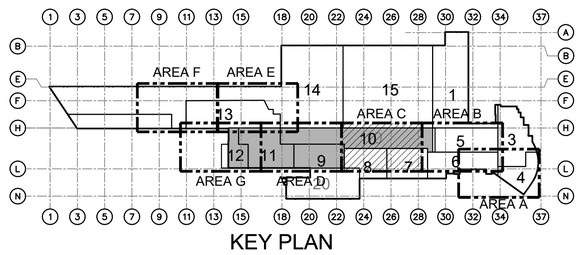
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113-FP2.03	SHEET # 100OF 110
	CHECK: EA			



1 FP2.04 FIRE PROTECTION SECOND FLOOR PLAN - AREA "C"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING. EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

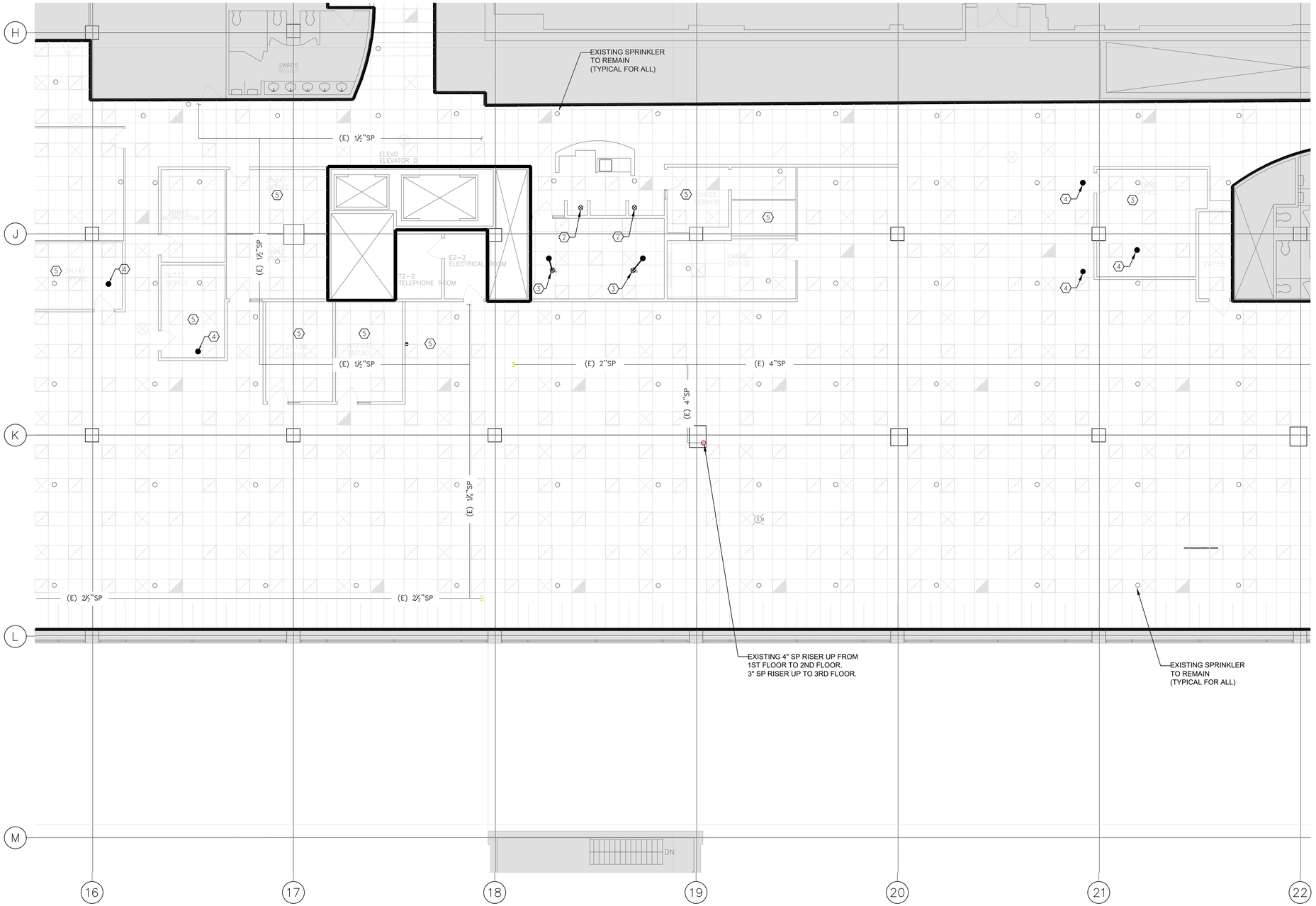
REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION SECOND FLOOR PLAN – AREA "C"

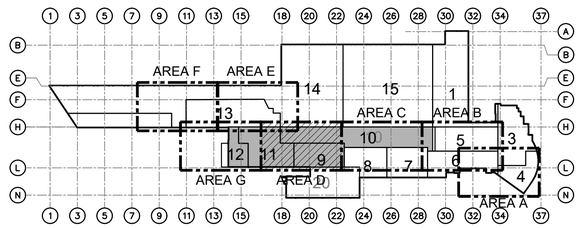
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
	DESIGN: GB	ISSUED BY:	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. F2024113–FP2.04	SHEET # 101 OF 110
	CHECK: EA			



1 FP2.05 FIRE PROTECTION SECOND FLOOR PLAN - AREA "D"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING. EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY

BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION SECOND FLOOR PLAN - AREA "D"

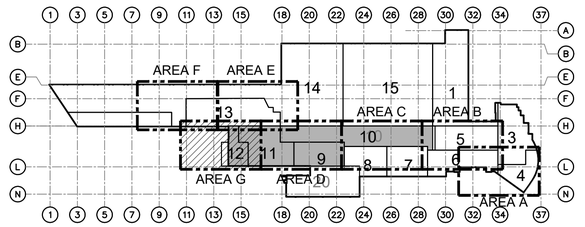
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

APPROVAL (FINISHES)	DESIGN: GB	DRAWN: GB	CHECK: EA	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
				DRAWING NO. F2024113-FP2.05	SHEET # 102 OF 110	

1 FP2.06 FIRE PROTECTION SECOND FLOOR PLAN - AREA "G"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING, EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

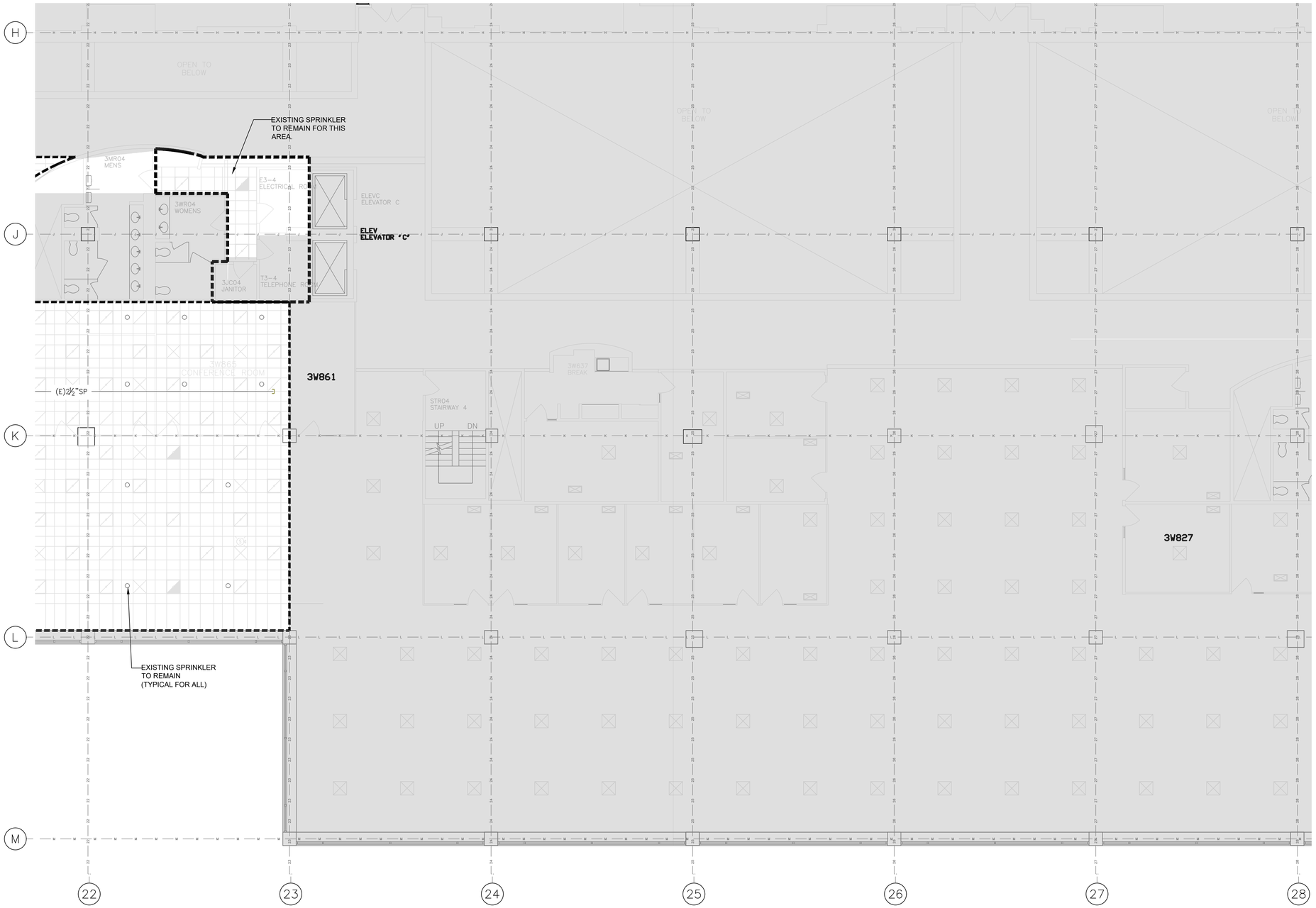
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY

BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION SECOND FLOOR PLAN – AREA "G"

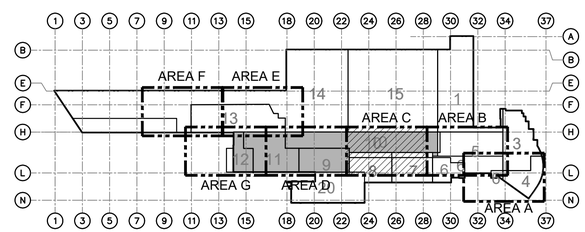
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP2.06	SHEET # 103 OF 110
	CHECK: EA			



1 FP3.08 FIRE PROTECTION THIRD FLOOR PLAN - AREA "C"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING. EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

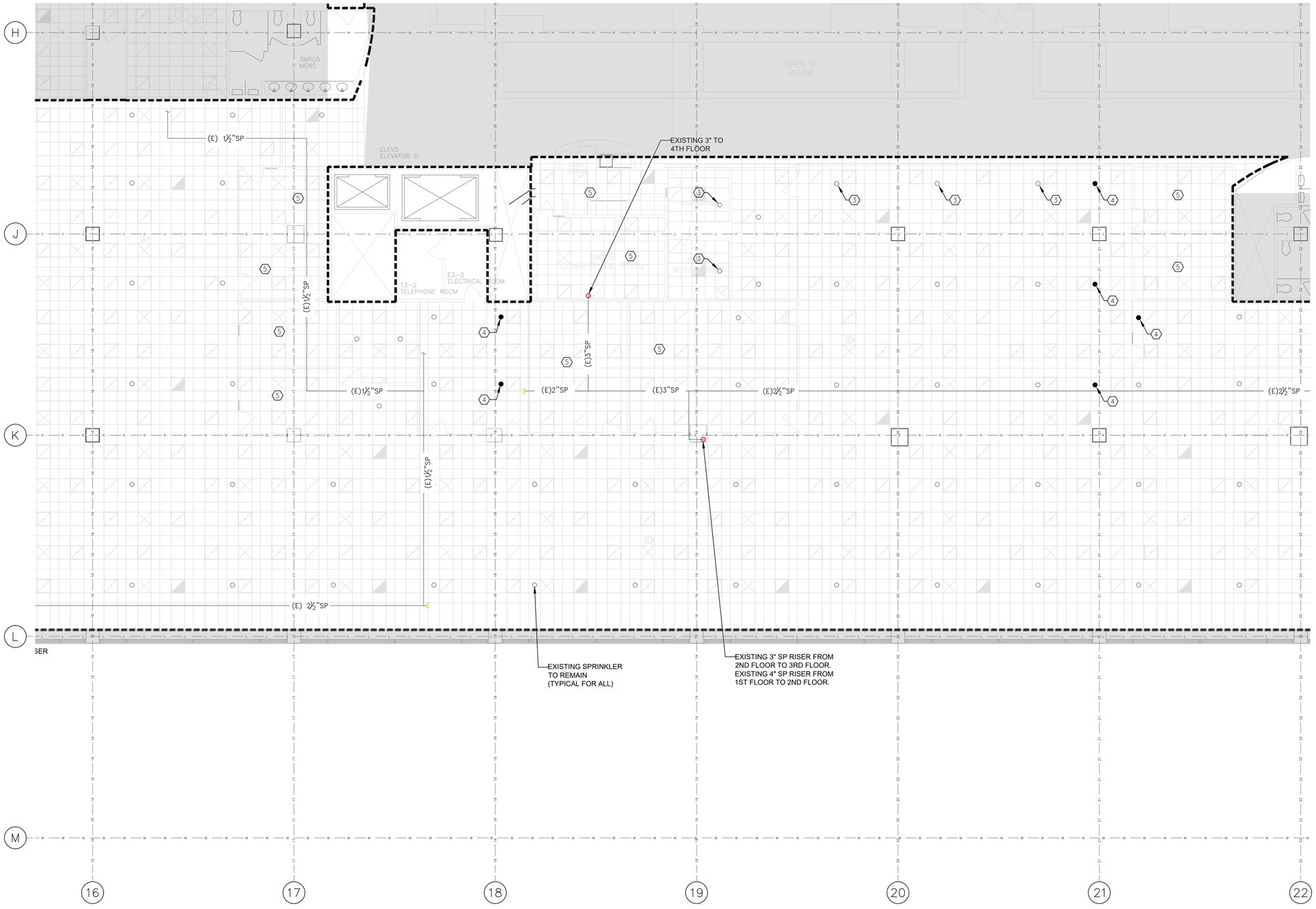
FACILITY

BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION THIRD FLOOR PLAN - AREA "C"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

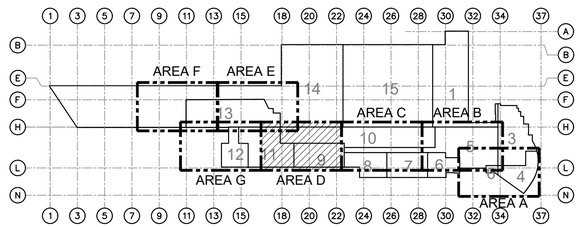
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024 JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113-FP3.08
	CHECK: EA		SHEET # 104OF 110



1 FP3.09 FIRE PROTECTION THIRD FLOOR PLAN - AREA "D"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING. EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

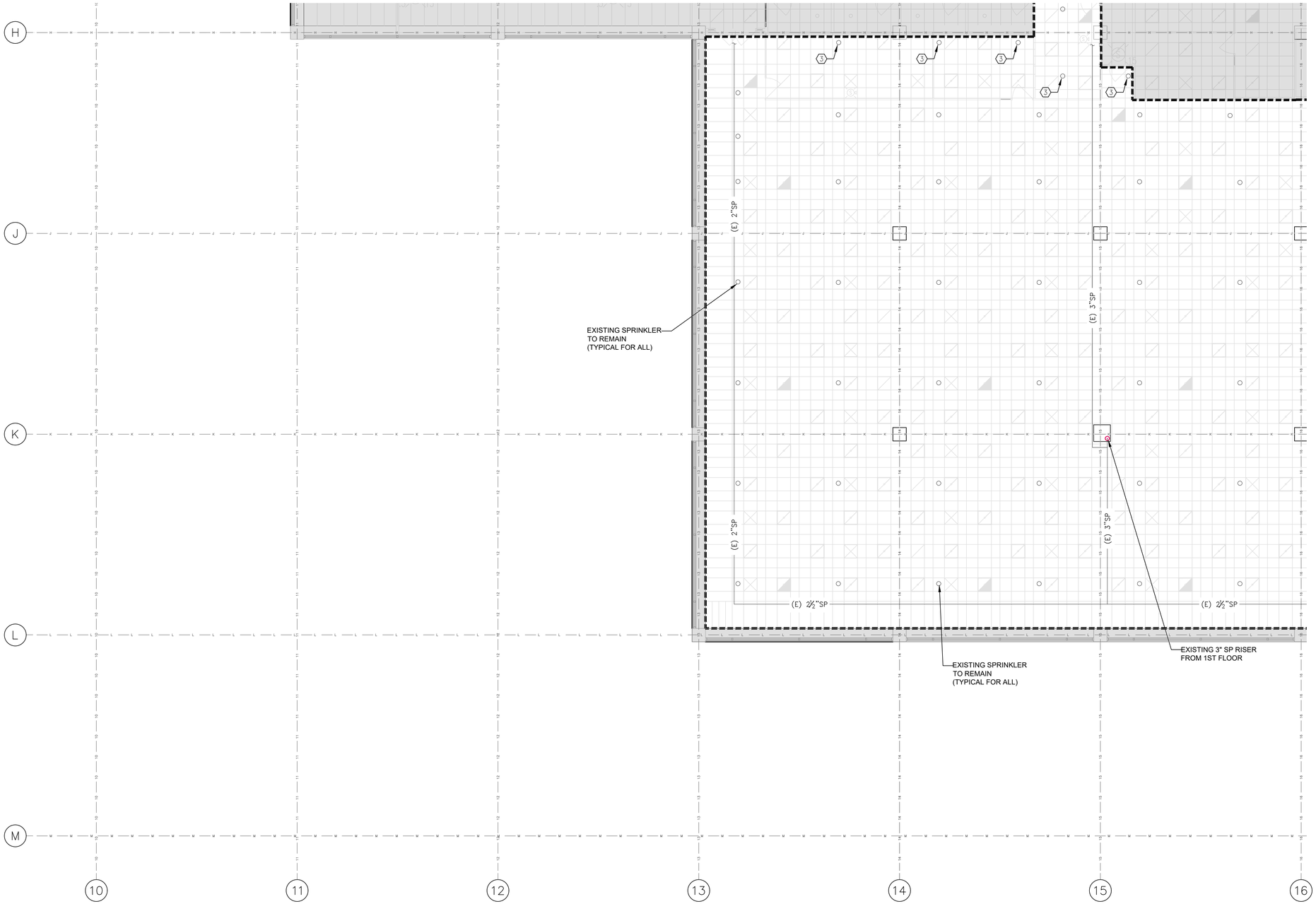
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION THIRD FLOOR PLAN – AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

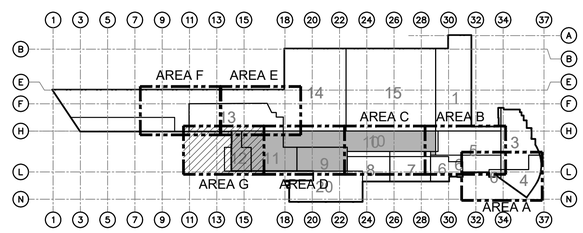
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP3.09	SHEET # 105OF 110
	CHECK: EA			



1 FP3.10 FIRE PROTECTION THIRD FLOOR PLAN - AREA "G"

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

0 4' 8' 16'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.
5. INSTALL OR ADJUST SPRINKLER HEAD IN CENTER OF CEILING TILES WHERE APPLICABLE.
6. WHERE THE EXISTING SPRINKLER HEAD BECOME AN OBSTRUCTION DURING CONSTRUCTION, TEMPORARY REMOVE THE HEAD AND CAP IN PLACE AND REPLACE WITH NEW SPRINKLER HEADS.
7. EXISTING SPRINKLER HEAD RELOCATION REQUIRES WHERE EXISTING SPRINKLER LOCATION IS CONFLICT WITH THE NEW MECHANICAL (DIFFUSER, EXHAUST GRILLE, VAV BOX) EQUIPMENT OR NEW LIGHTING FIXTURE.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING. EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD AND ASSOCIATED PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.
3. EXISTING SPRINKLER LOCATION SHOWN ON THIS DOCUMENT IS BASED ON EXISTING FIRE PROTECTION DRAWINGS AND IS NOT INTENT TO BE THE FINAL FIELD LOCATIONS. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATIONS
4. INSTALL NEW SPRINKLER HEAD, REDUCER, NIPPLE, ELBOW, AND BRANCH PIPING. CONNECT TO EXISTING 2-1/2" SPRINKLER MAIN OR NEAREST BRANCH. VERIFY EXISTING PIPE SIZING IN FIELD.
5. FIELD VERIFICATION IS REQUIRED TO CONFIRM FINAL FIELD SPRINKLER LOCATION.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

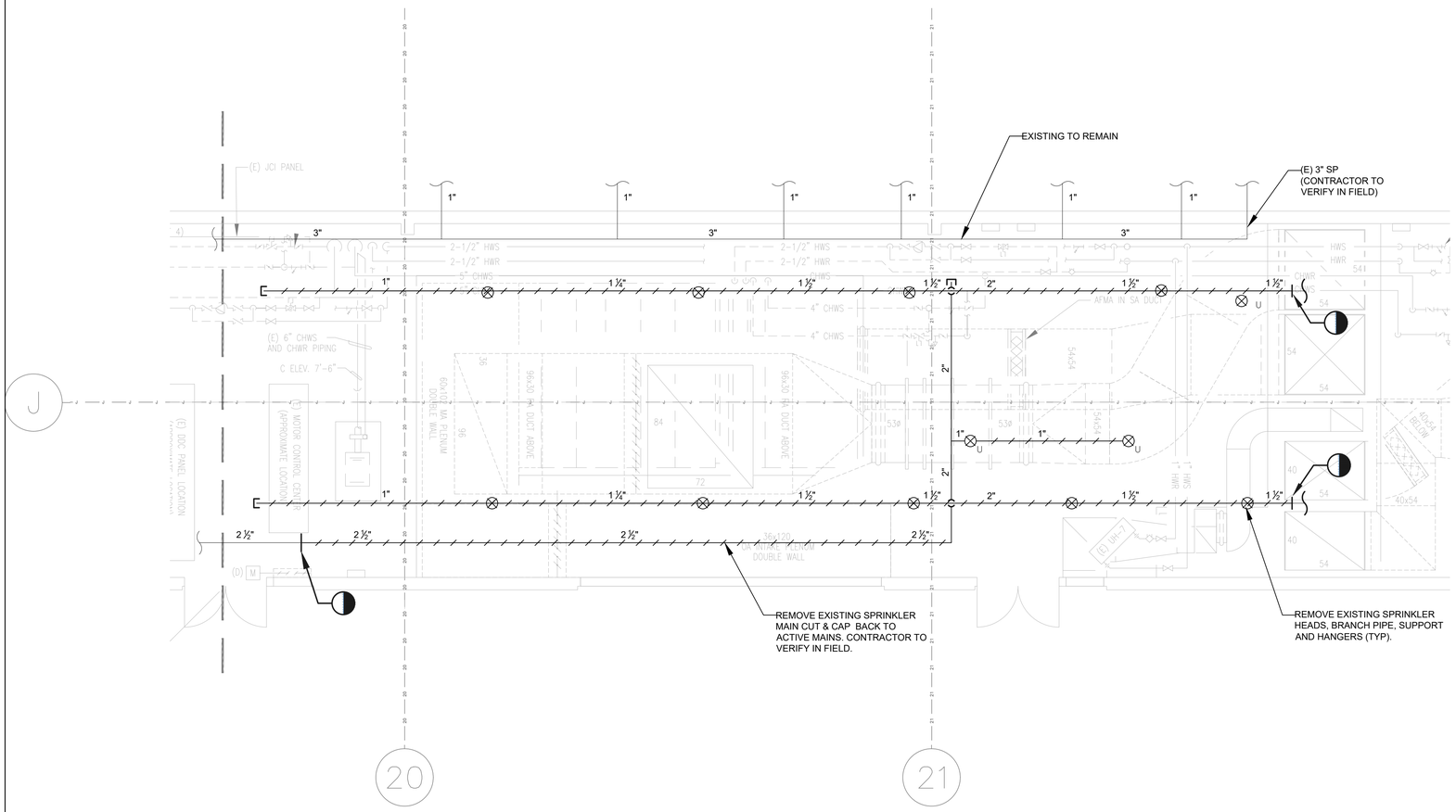
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION THIRD FLOOR PLAN – AREA "G"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

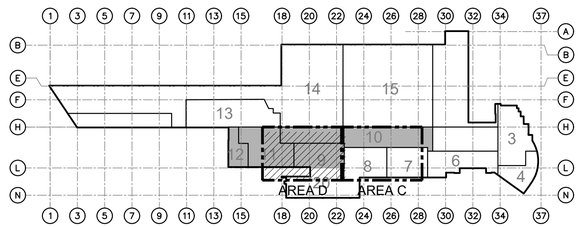
	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024 JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP3.10
	CHECK: EA		SHEET # 106 OF 110



1 FPD4.01 FIRE PROTECTION PART DEMOLITION PLAN - MER-2

SCALE: 1/4" = 1'-0"

0 2' 4' 8'



KEY PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING SPRINKLER RISERS AND FCVA PRIOR TO COMMENCING ANY INSTALLATION WORK.
2. CONTRACTOR TO COORDINATE SPRINKLER INSTALLATION WITH ALL OTHER TRADES.
3. CONTRACTOR TO COORDINATE SPRINKLER COVER PLATE FINISHES WITH ARCHITECTURAL FINISHES.
4. ALL EXISTING SPRINKLER HEADS SHALL BE CONNECT TO NEW SPRINKLER BRANCH / MAIN PIPE, SIZING AS PER NFPA 13 CHAPTER 23 PIPE SIZE SCHEDULE TABLES.

KEYNOTES:

1. REMOVE SPRINKLER HEAD, REDUCER, NIPPLE AND ELBOW. CONNECT TO EXISTING EXTEND NEW PIPE TO NEW SPRINKLER CEILING LAYOUT.
2. REMOVE SPRINKLER HEAD WITH ASSOCIATE PIPE CONNECTION AND SUPPORT. CAP BACK TO ACTIVE BRANCH OR MAIN PIPE.

NOT ALL KEY NOTES MAY BE USED.

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

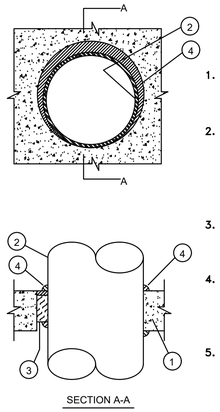
REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION PART DEMOLITION PLAN – MER–2

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
	DESIGN: AS	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: CM		DRAWING NO. F2024113–FPD4.01	SHEET # 107 OF 110
	CHECK: EA			

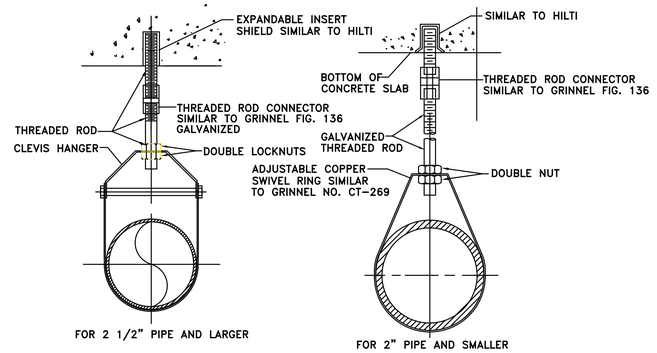


SECTION A-A

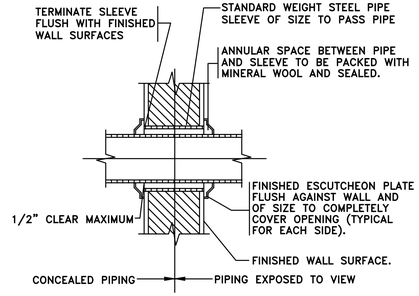
2-HR RATING FIRESTOPPING

1. FLOOR OR WALL ASSEMBLY – MIN. 4–i IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY U.L. CLASSIFIED CONCRETE BLOCKS (BEARING UL MARKING) MAX. DIA. OF OPENING IS 8 IN.
2. THROUGH PENETRANTS – ONE METALLIC PIPE OR CONDUIT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MIN. 0 IN. (POINT CONTACT) TO MAX. 1–y IN. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES MAY BE USED:
STEEL PIPE – NOM. 6" IN. DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
3. PACKING MATERIAL – MIN. 4 IN. THICKNESS OF MIN. 4.0 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM BTOH SURFACES OF WALL AS REQUIRED TO ACCOMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
4. FILL, VOID OR CAVITY MATERIAL – SEALANT – MIN. r IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MIN. i IN. DIA. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON BOTH SURFACES OF THE WALL.
5. SHALL BE A STI SYSTEM.

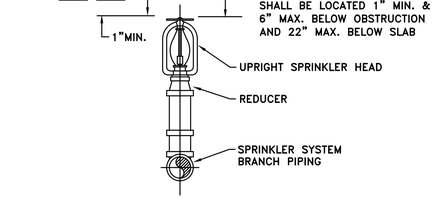
1 FIRE STOPPING FOR FIRE/SMOKE RATED INTERIOR WALL/FLOOR OPENINGS
FP5.01 NTS



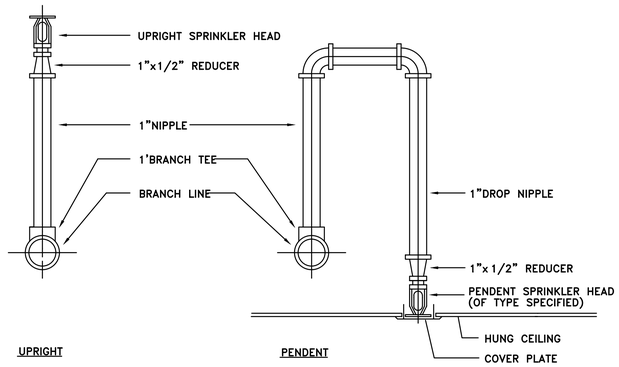
2 TYPICAL PIPE SUPPORT FROM EXPANSION ANCHOR
FP5.01 NTS



3 SCHEMATIC OF PIPING PENETRATION THRU FIRE RATED WALL
FP5.01 NTS



4 TYPICAL UPRIGHT SPRINKLER DETAIL
FP5.01 NTS



5 TYPICAL SPRINKLER CONNECTIONS
FP5.01 NTS

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
tel. (973) 883-8500
www.aecom.com

STAMP

ARCHITECT/ENGINEER #: _____

REV	DATE	DESCRIPTION	CHECK	APRV'D
H	06/18/26	BID SUBMISSION		
G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

FIRE PROTECTION DETAILS – 1

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

	DESIGN: GB	ISSUED BY: FACILITY SERVICES & ENGINEERING DIVISION	DATE: 09/06/2024	JCN:
APPROVAL (FINISHES)	DRAWN: GB		DRAWING NO. F2024113–FP5.01	SHEET # 108 OF 110
	CHECK: EA			