

EMORY MCCM RENOVATION



1762 CLIFTON ROAD, SUITE 1800
ATLANTA, GEORGIA 30322



1401 PEACHTREE ST NE SUITE 300, ATLANTA, GEORGIA 30309
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100 WATER TOWER PLACE
ATLANTA, GA 30322

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LIFE SAFETY					
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ARCHITECTURAL					
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PO.1	DEMOLITION - FIRST FLOOR PLUMBING PLAN	1		ISSUED FOR PERMIT	10.08.2021
P1.1	FIRST FLOOR PLUMBING PLAN	1		ISSUED FOR PERMIT	10.08.2021

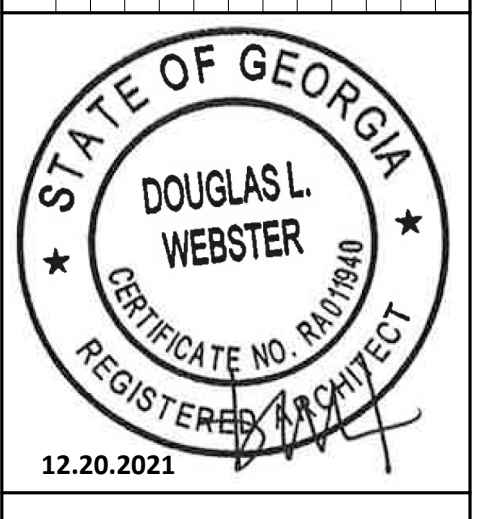
SYMBOLS

MATERIALS



PROJECT LOCATION

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	12.20.2021



EMORY MCCM EXPANSION
Emory University
1762 CLIFTON ROAD, SUITE 1800
ATLANTA, GA 30322



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ISSUED FOR CONSTRUCTION

TITLE SHEET, SHEET INDEX

DATE	SCALE	DW
08/19/2021	1 1/2" = 1'-0"	

DRAWING NO. **TS1.1**

PROJECT NO.	REV	DATE
21090		

CODE INFORMATION:

PROJECT NAME: EMORY MCCM EXPANSION
PROJECT OWNER: EMORY UNIVERSITY
PROJECT LOCATION: 1762 CLIFTON ROAD, SUITE 1800
 ATLANTA, GA 30322
PROJECT DESCRIPTION: SCOPE OF WORK - RENOVATION OF 18,875 SF. WORK TO INCLUDE ARCHITECTURAL, MECHANICAL, ELECTRICAL, STRUCTURAL, ACCESS CONTROL, AND LIFE SAFETY. ALL WORK TO MEET ALL REQUIREMENTS OF APPLICABLE CODES AND STANDARDS.

GOVERNING CODES & REVIEWING AGENCIES

CODES:

INTERNATIONAL BUILDING CODE	2018 EDITION, WITH GEORGIA ADAMENDMENTS (2020)
INTERNATIONAL EXISTING BUILDING CODE	2018 EDITION, WITH GEORGIA ADAMENDMENTS (2021)
INTERNATIONAL RESIDENTIAL CODE	2018 EDITION, WITH GEORGIA ADAMENDMENTS (2020)
INTERNATIONAL FIRE CODE	2018 EDITION, WITH GEORGIA ADAMENDMENTS (2020)
INTERNATIONAL PLUMBING CODE	2018 EDITION, WITH GEORGIA ADAMENDMENTS (2020)
INTERNATIONAL MECHANICAL CODE	2018 EDITION WITH GEORGIA ADAMENDMENTS (2020)
INTERNATIONAL FUEL GAS CODE	2018 EDITION WITH GEORGIA ADAMENDMENTS (2020)
NATIONAL ELECTRIC CODE	2020 EDITION, WITH NO GEORGIA ADAMENDMENTS (2021)
INTERNATIONAL ENERGY CONSERVATION CODE	2015 EDITION, WITH GEORGIA SUPPLEMENTS AND AMENDMENTS (2020)
NFPA 101	LIFE SAFETY CODE 2018 EDITION WITH STATE ADAMENDMENTS (2020)
ACCESSIBILITY	GEORGIA ACCESSIBILITY CODES 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

BUILDING DATA

OCCUPANCY TYPE(S):
 ASSEMBLY: A-1 A-2 A-3 A-4
 BUSINESS B
 EDUCATION E
 FACTORY: F-1 F-2
 HIGH-HAZARD: H-1 H-2 H-3 H-4
 INSTITUTIONAL: I-1 I-2 I-3 I-4
 MERCHANTILE M
 RESIDENTIAL: R-1 R-2 R-3 R-4
 STORAGE: S-1 S-2
 UTILITY U
PRIMARY OCCUPANCY: STORAGE S-1 / NON INCIDENTAL
LEVEL OF ALTERATION (IBC): 1 2 3
TYPE OF CONSTRUCTION: I A B C D E F G H J K L
 SPRINKLERED NON-SPRINKLERED

BUILDING HEIGHT: 30'
NUMBER OF STORIES: EXISTING BUILDING - 3 STORIES, RENOVATION 1 STORY
AREA OF WORK: 1906 SF STORAGE S-1

ZONING: O-1 OFFICE-INSTITUTIONAL WITH EMORY CAMPUS PARKING OVERLAY

FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS (IBC TABLE 601 AND 602):

PRIMARY STRUCTURAL FRAME	0 HOURS
BEARING WALLS	
EXTERIOR	0 HOURS
INTERIOR	0 HOURS
NON BEARING WALLS + PARTITIONS*	
EXTERIOR	
IF LESS THAN 8 FEET	3 HOURS
IF BETWEEN 8 FEET AND 10 FEET	1 HOUR
IF BETWEEN 10 FEET AND 30 FEET	0 HOURS
IF OVER 30 FEET	0 HOURS
INTERIOR	0 HOURS
FLOOR CONSTRUCTION	0 HOURS
ROOF CONSTRUCTION	0 HOURS
CORRIDOR/TENANT SEPERATION	0 HOURS
ELEVATOR LOBBY	N/A
HORIZONTAL EXIT	N/A
EXIT ACCESS CORRIDORS	N/A

FIRE PROTECTION

FIRE PROTECTION SYSTEMS PROVIDED:

- AUTOMATIC SPRINKLER SYSTEM (IBC 905)
- STAND PIPE SYSTEM (IBC 905)
- PORTABLE FIRE EXTINGUISHERS (IBC 906), REF. LIFE SAFETY PLAN(S)
- FIRE ALARM & DETECTION SYSTEM (IBC 907)
- EMERGENCY ALARM SYSTEM (IBC 908)
- SMOKE CONTROL SYSTEM (IBC 909)
- SMOKE & HEAT VENTS (IBC 910)
- FIRE COMMAND CENTER (IBC 911)
- FIRE DEPARTMENT CONNECTIONS (IBC 912)
- FIRE PUMP (IBC 913)

FIRE RATED CONSTRUCTION:
 SEE LIFE SAFETY PLAN(S) AND WALL TYPES

EGRESS REQUIREMENTS:

EXIT TRAVEL DISTANCE: 400' (NFPA 101 LSC CHAPTER 42, TABLE 42.2.6)
DEAD END CORRIDORS: 100' (NFPA 101 LSC CHAPTER 42, TABLE 42.2.5)
COMMON PATH OF TRAVEL: 100' (NFPA 101 LSC CHAPTER 42, TABLE 42.2.5)
EXIT SEPERATION: 1/3 THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA (NFPA 101 LSC CHAPTER 1, 7.3.1.3.3)
MINIMUM OPENINGS OF EXIT DOORS: 32" CLEAR WIDTH (NFPA 101 LSC CHAPTER 7, 7.2.1.2.3.2)
MINIMUM EXIT RAMP/STAIR WIDTH: 44" (NFPA 101 LSC CHAPTER 1, TABLE 1.2.2.1.2(B))
MINIMUM CORRIDOR WIDTH: 44" (NFPA 101 LSC CHAPTER 1, 7.2.6)
EGRESS CAPACITY (WIDTH PER PERSON): SEE AREA, OCCUPANCY AND EGRESS TABLE (NFPA 101 LSC CHAPTER 1, TABLE A1.3.3.1)
EGRESS LEVEL COMPONENT FACTOR: 0.3
EGRESS STAIRWAYS FACTOR: 0.3
NUMBER OF EXITS REQUIRED/PROVIDED: 2/2 (NFPA 101 LSC CHAPTER 42, 42.2.4)

INTERIOR FINISH REQUIREMENTS:

INTERIOR WALL AND CEILING FINISH SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR ANSI/UL 723. INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASS A, CLASS B, OR CLASS C IN ACCORDANCE WITH NFPA 101 LSC 10.2 IN STORAGE AREAS AND SHALL BE AS REQUIRED BY NFPA LSC 7.1.4 IN EXIT ENCLOSURES.

INTERIOR WALL AND CEILING FINISH = NFPA 101 LSC CHAPTER 42, 42.3.3.2
 INTERIOR FLOOR FINISH = NFPA 101 LSC CHAPTER 42, 42.3.3.3

NFPA 101 LSC 10.2.3.3
 CLASS A = FLAME SPREAD INDEX 0-25; SMOKE DEVELOPED INDEX 0-450
 CLASS B = FLAME SPREAD INDEX 26-75; SMOKE DEVELOPED INDEX 0-450
 CLASS C = FLAME SPREAD INDEX 76-200; SMOKE DEVELOPED INDEX 0-450

PLUMBING FIXTURE DETERMINATION

PERSONS	WOMEN				MEN				LAVATORIES		DRINKING FOUNTAINS	
	WOMEN	FACTOR	W.C.	W.C.	WOMEN	FACTOR	W.C.	W.C.	FACTOR	FLAVS	FACTOR	EDFS
32	16	1 per 100	0.16	16	1 per 100	0.16	1 per 100	0.32	1 per 1,000		1 per 1,000	0.03

PLUMBING FACILITIES COMPLIANCE CHECK

REQUIRED/PROVIDED:	WOMEN		MEN		LAVATORIES		DRINKING FOUNTAINS		SERVICE SINK	
	W.C.	URINALS	W.C.	W.C.	FACTOR	FLAVS	FACTOR	FLAVS	FACTOR	SINK
REQUIRED:	1	0	1	1	2	1	1	1	0	0
PROVIDED:	1	0	2	3	2	2	0	0	0	0

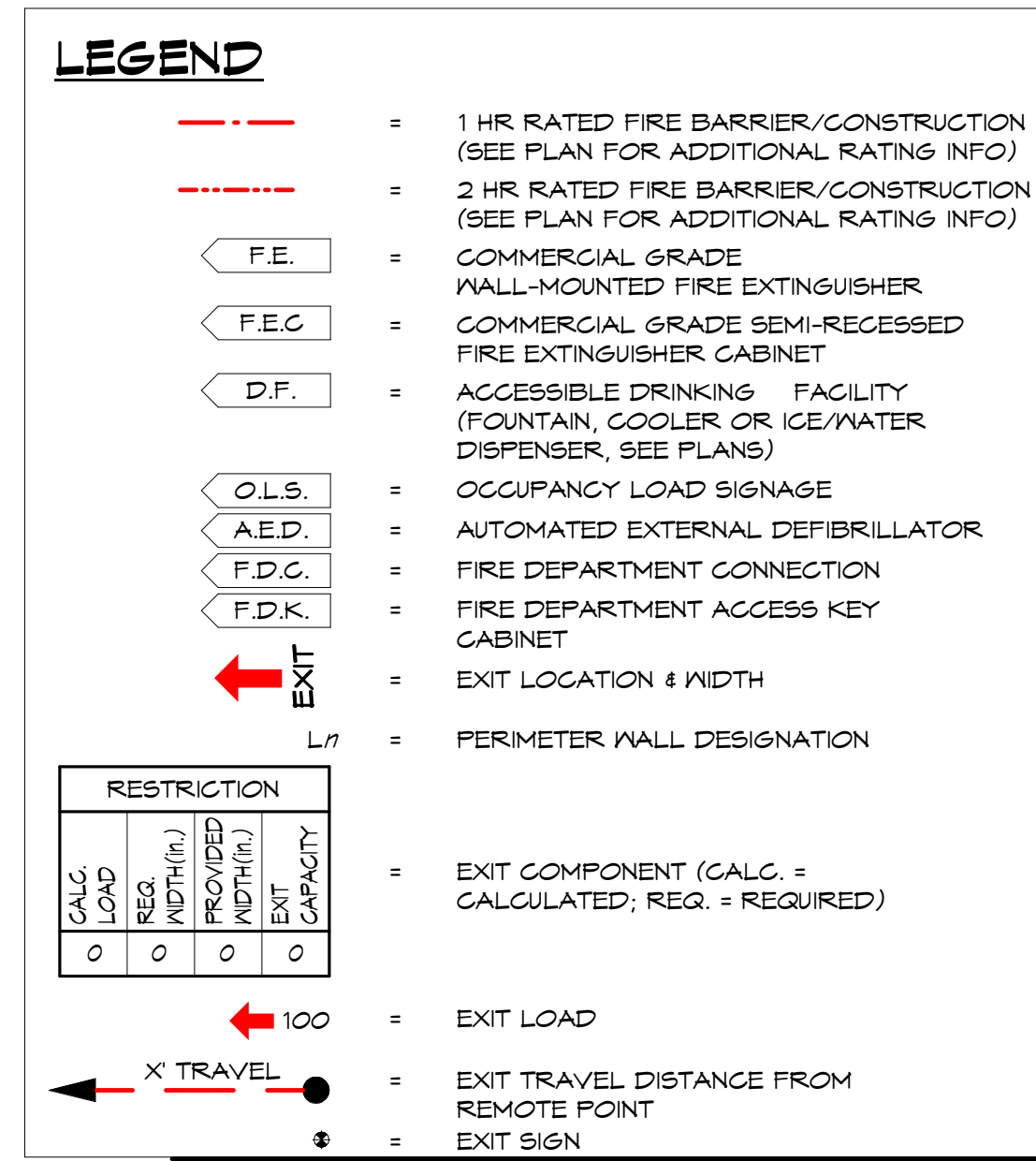
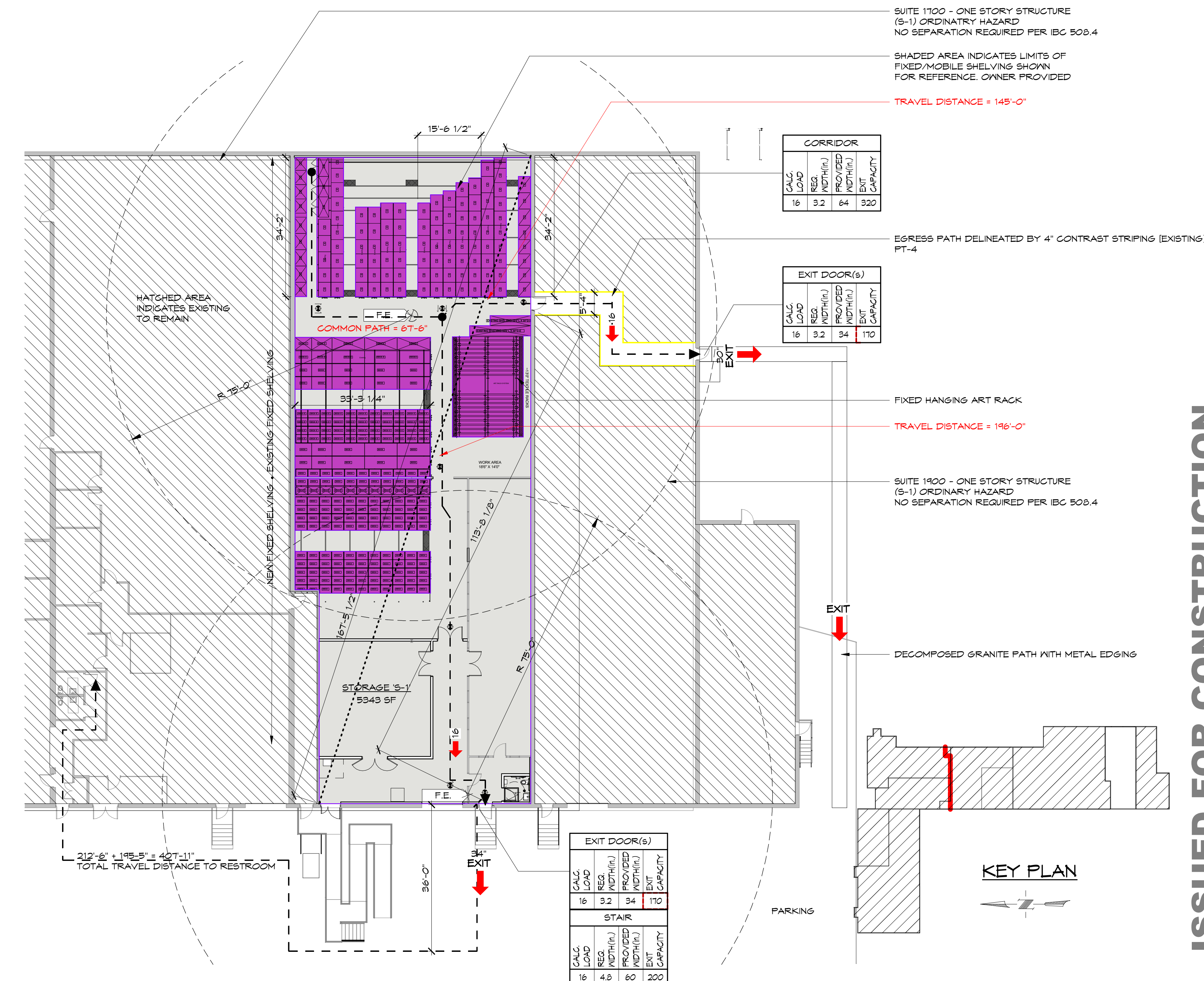
NOTES:
 1. PER IPC 2902.3.3, THE REQUIRED FACILITIES SHALL BE LOCATED NOT MORE THAN ONE STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES, AND THE PATH OF TRAVEL TO SUCH FACILITIES SHALL NOT EXCEED A DISTANCE OF 300 FEET.
 2. NO SERVICE SINK REQUIRED PER GEORGIA ADAMENDMENTS TABLE 403.1.
 3. NO DRINKING FOUNTAINS REQUIRED PER GEORGIA ADAMENDMENTS 410.2.

GENERAL NOTES:

- THESE DRAWINGS WERE CREATED FROM EXISTING DRAWINGS PROVIDED BY THE OWNER. GC TO FIELD VERIFY ALL CONDITIONS PRIOR TO ANY WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL WALL TYPES AND DOORS TO BE NON-COMBUSTIBLE UNLESS NOTED OTHERWISE.
- MAINTAIN A MINIMUM OF 44" WIDE AT ALL EXIT AISLES.
- EXIT DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHEN SERVING AN OCCUPANT LOAD GREATER THAN 50.
- FINAL LOCATION OF ALL LIFE SAFETY DEVICES AND FIXTURES ARE SUBJECT TO AHJ.
- ANY FIREPROOFING DISTURBED DUE TO CONSTRUCTION SHALL BE REPAIRED TO MEET REQUIRED RATINGS.
- ALL MATERIALS USED IN THIS CONSTRUCTION TO BE, IN ORDER OF PREFERENCE, NON-COMBUSTIBLE, FM APPROVED OR CLASS 1.
- REFER TO EMORY DESIGN AND CONSTRUCTION STANDARDS FOR ADDITIONAL INFORMATION.
- NO ALCOHOL-BASED HAND-RUB DISPENSERS ARE IN THE PROJECT SCOPE.
- NO HAZARDOUS MATERIALS STORED ON SITE.
- A CHANGE IN OWNERSHIP FOR ANY SPACE WITHIN THE BUILDING FOOTPRINT WILL REQUIRE A SEPERATE PERMIT AND TENANTS WILL NOT BE PERMITTED TO EXIT THROUGH ADJACENT SPACES PER APPLICABLE CODES.

AREA, OCCUPANCY & EGRESS WIDTH TABLE

OCCUPANCY TYPE	NAME	AREA		OCCUPANTS		EGRESS (INCHES)	
		AREA (S.F.)	SF FACTOR	PERSONS	OTHER	STAIRWAY	
STORAGE (S-1) - ORDINARY HAZARD	STORAGE S-1	5,343	300	17.8	3.6	5.3	
		5,343		17.8	3.6	5.3	
UNOCCUPIED SPACE		19,353	0	0.0	0.0	0.0	
		3,553	0.0	0.0	0.0	0.0	
GRAND TOTAL		28,075		17.8	3.6	5.3	



LIFE SAFETY LEGEND
 SCALE: 1/16" = 1'-0"

FIRST FLOOR LIFE SAFETY
 SCALE: 1/16" = 1'-0"

OCCUPANCY KEY

- STORAGE (S-1) - ORDINARY HAZARD
- UNOCCUPIED SPACE

DATE: 12.20.2021

DESCRIPTION: ISSUED FOR PERMIT

NO. 1

STATE OF GEORGIA
 DOUGLAS L. WEBSTER
 REGISTERED PROFESSIONAL ARCHITECT
 12.20.2021

EMORY MCCM EXPANSION
 Emory University
 1762 CLIFTON ROAD, SUITE 1800
 ATLANTA, GA 30322

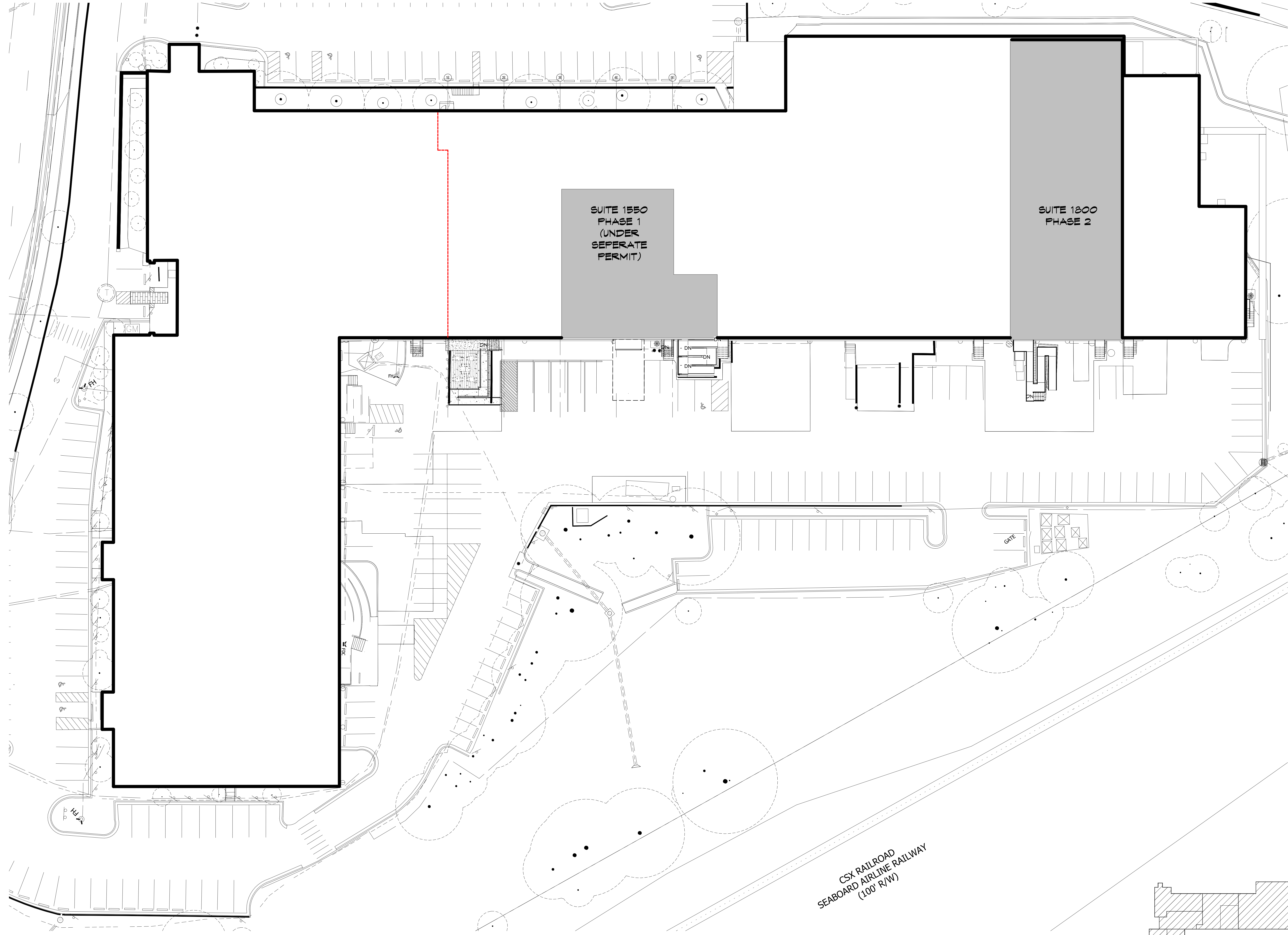


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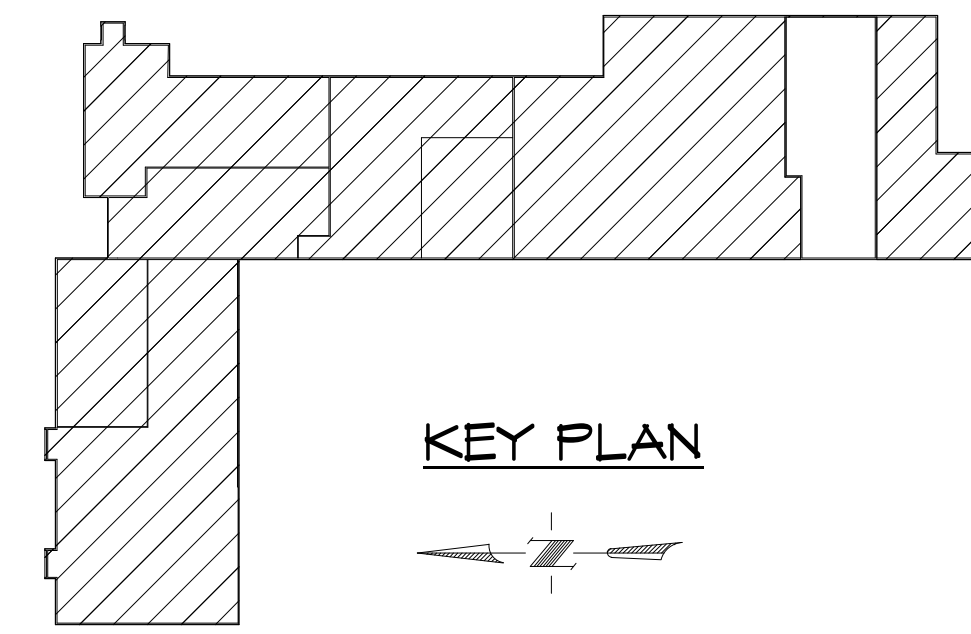
LIFE SAFETY PLAN

ISSUED FOR CONSTRUCTION

FILE: DRAWN: AMS, DWG: DW, DATE: 08/19/2021, SCALE: As indicated, DRAWING NO: **LS1.1**, PROJECT NO: 21090, REV: 1



ARCHITECTURAL SITE PLAN
SCALE: 1" = 20'-0"



ISSUED FOR CONSTRUCTION

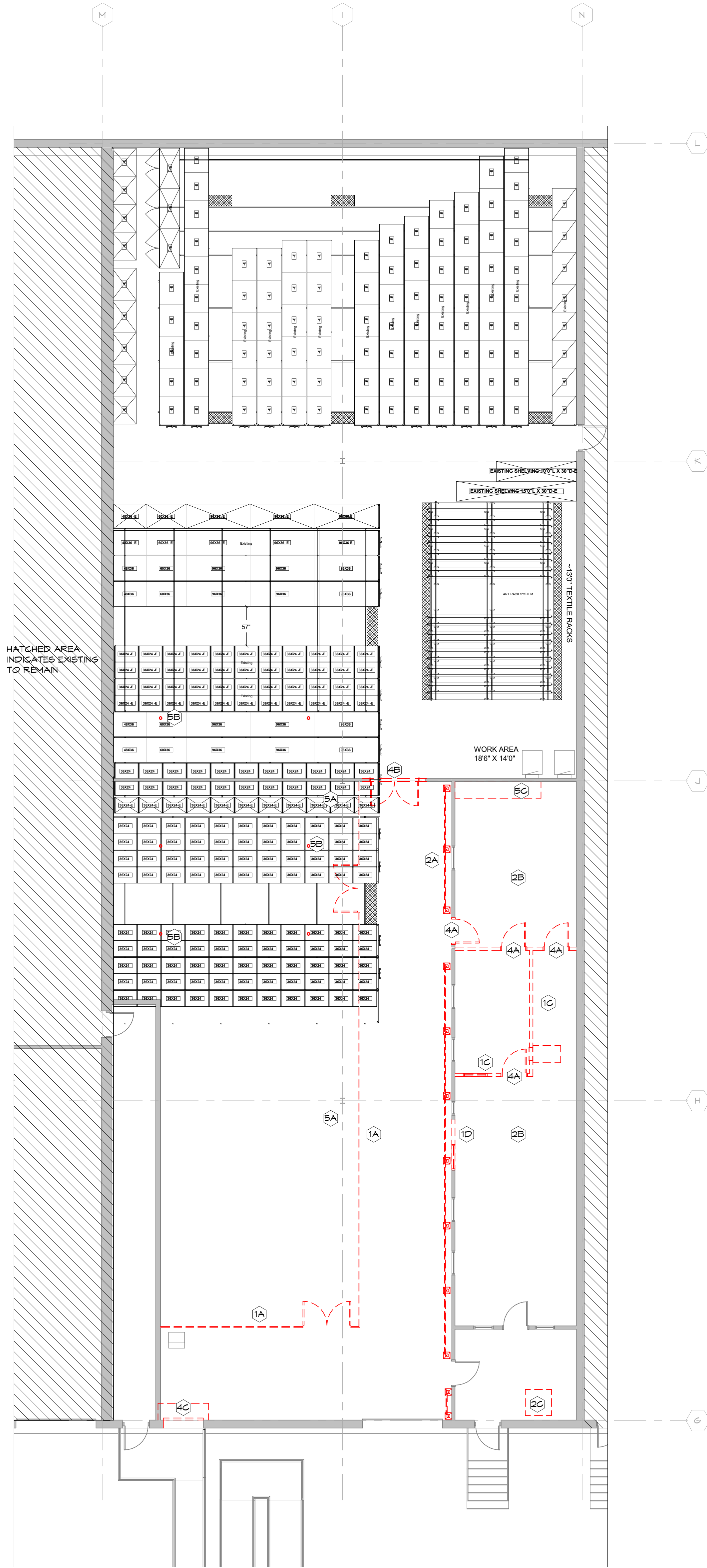
DATE 12.20.2021		DESCRIPTION ISSUED FOR PERMIT	
NO. 1		STATE OF GEORGIA DOUGLAS L. WEBSTER REGISTERED ARCHITECT 12.20.2021	
EMORY MCCM EXPANSION		Emory University 1782 CLIFTON ROAD, SUITE 1800 ATLANTA, GA 30322	
EMORY UNIVERSITY		EMORY UNIVERSITY	
Performa		1401 Peachtree St NE Suite 300 Atlanta, GA 30309 404-536-8006	
ARCHITECTURAL SITE PLAN		TITLE	
DRAWN	Author	CHKD	Checker
DATE	08/19/2021	SCALE	1" = 20'-0"
DRAWING NO.	A0.0		
PROJECT NO.	21090	REV	1

DEMOLITION GENERAL NOTES

- A. ALL CONSTRUCTION TO REMAIN WHICH IS AFFECTED BY DEMOLITION, SHALL BE PATCHED, REPAIRED AND ALIGNED SO AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. ALL ADJACENT FLOOR AND CEILINGS AFFECTED BY DEMOLITION SHALL BE PATCHED TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. ALL THE TIE-IN OR REPAIRS ON EXISTING MASONRY SHALL BE TOOTHED IN TO APPEAR AS IF NO PATCHING HAS OCCURRED.
- B. SITE CLEAR ALL MATERIALS FROM DEMOLITION SITE THAT ARE NOT SPECIFICALLY NOTED TO BE RE-USED OR SALVAGED BY OWNER.
- C. SEE HVAC DRAWINGS FOR HVAC DEMOLITION.
- D. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION.
- F. SEE PLUMBING DRAWINGS FOR PLUMBING DEMOLITION.
- G. REFER TO EMORY DESIGN AND CONSTRUCTION STANDARDS FOR MORE INFORMATION.

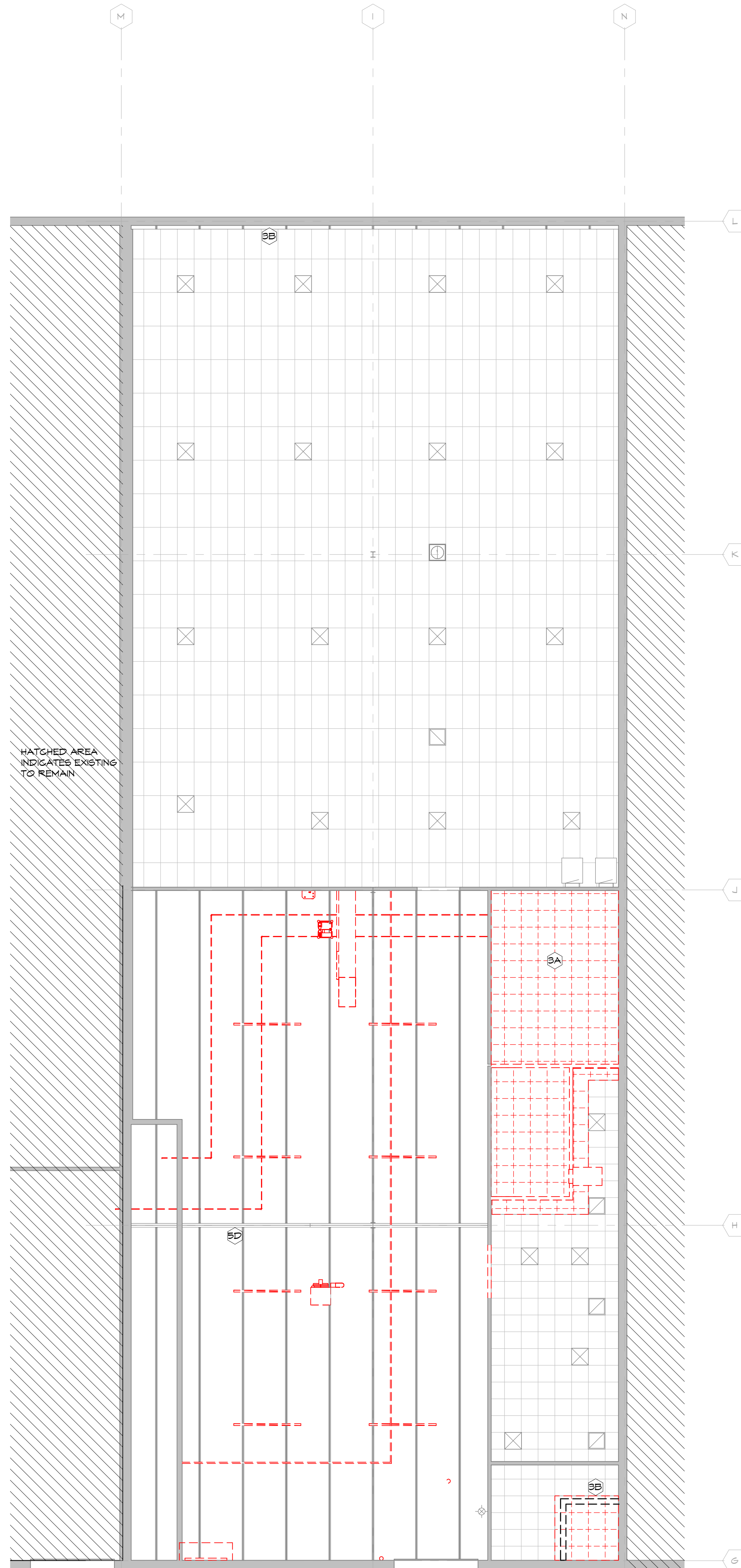
DEMOLITION NOTES

- WALL**
- 1A. REMOVE EXISTING CHAIN LINK FENCE AND GATES. SALVAGE AND RETURN TO OWNER.
- 1B. REMOVE EXISTING WALL, EXISTING STORAGE SPACE AND ITS CONTENTS TO BE PROTECTED AT ALL TIMES.
- 1C. REMOVE EXISTING WALL.
- 1D. REMOVE EXISTING WALL. COORDINATE OPENING FOR NEW DOOR.
- FLOOR**
- 2A. REMOVE EXISTING BOLLARDS AND RAILS.
- 2B. REMOVE EXISTING CARPET TILE AND BASE.
- 2C. REMOVE EXISTING SLAB AS REQUIRED. COORDINATE LIMITS WITH MAGERATOR PUMP MANUFACTURER.
- CEILING**
- 3A. REMOVE EXISTING CEILING TILE AND GRID AS REQUIRED FOR CONTINUATION OF CEILING ASSEMBLY.
- 3B. REMOVE EXISTING CEILING TILE AND GRID AS REQUIRED FOR NEW WALLS AND RESTROOM (IF PROVIDED).
- DOORS**
- 4A. REMOVE EXISTING DOOR AND FRAME. SALVAGE AND RETURN TO OWNER.
- 4B. REMOVE EXISTING DOOR AND FRAME. SALVAGE AND RETURN TO OWNER. REMOVE EXISTING WALL AS REQUIRED FOR NEW OPENING. COORDINATE TIME OF REMOVAL AND DEMOLITION WITH OWNER PRIOR TO ANY WORK.
- 4C. REMOVE EXISTING OVERHEAD DOOR AND FRAME. SALVAGE AND RETURN TO OWNER.
- MISCELLANEOUS**
- 5A. REMOVE EXISTING FIRE EXTINGUISHER. SALVAGE FOR RE-USE.
- 5B. PERFORM NO FEWER THAN (6) 4"Ø CORES THROUGH EXISTING SLAB-ON-GRADE ((2) AT EXISTING ART STORAGE, (4) AT PROPOSED ART STORAGE EXPANSION) TO VERIFY THICKNESS MATCHES EXISTING SLAB AT EXISTING ART STORAGE AREA. NOTIFY A/E IF THICKNESS DOES NOT MATCH, PATCH CORES WITH 3,000 PSI CONCRETE TO MATCH EXISTING SURFACE CONDITION.
- 5C. REMOVE EXISTING MILLWORK. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 5D. SECURE EXISTING CHAIN LINK FENCE AND GATE. REMOVE EXISTING BENCH/DEBRIS TO PROVIDE UNOBSTRUCTED PATH. PROVIDE STRUCTURE AS REQUIRED FOR A PLUMB AND OPERATIONAL GATE.



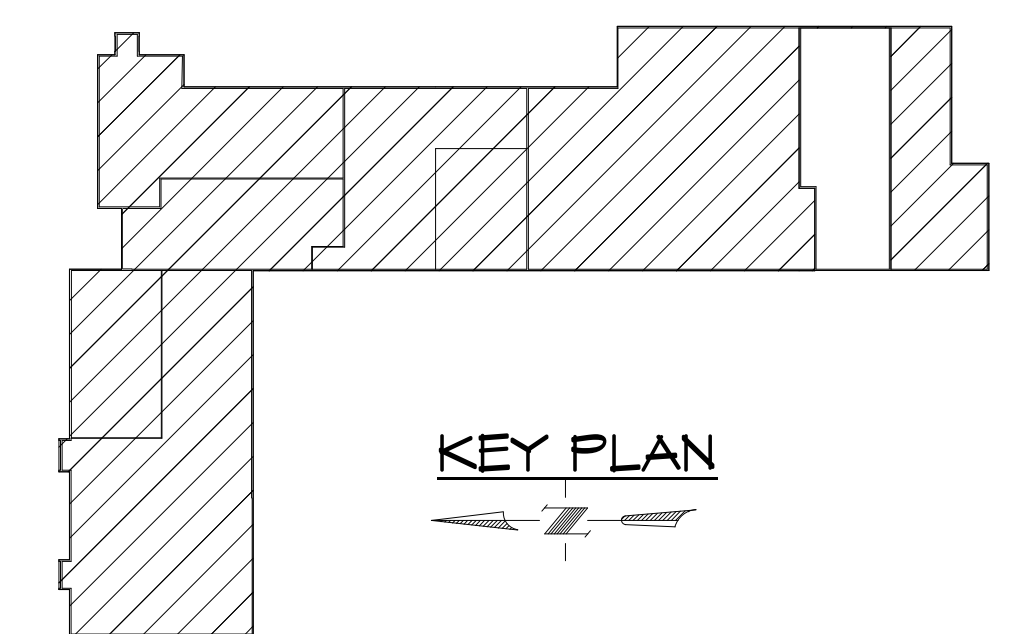
DEMOLITION - FIRST FLOOR PLAN

1
A0.1
SCALE: 1/8" = 1'-0"






DEMOLITION - FIRST FLOOR REFLECTED CEILING PLAN

2
A0.1
SCALE: 1/8" = 1'-0"



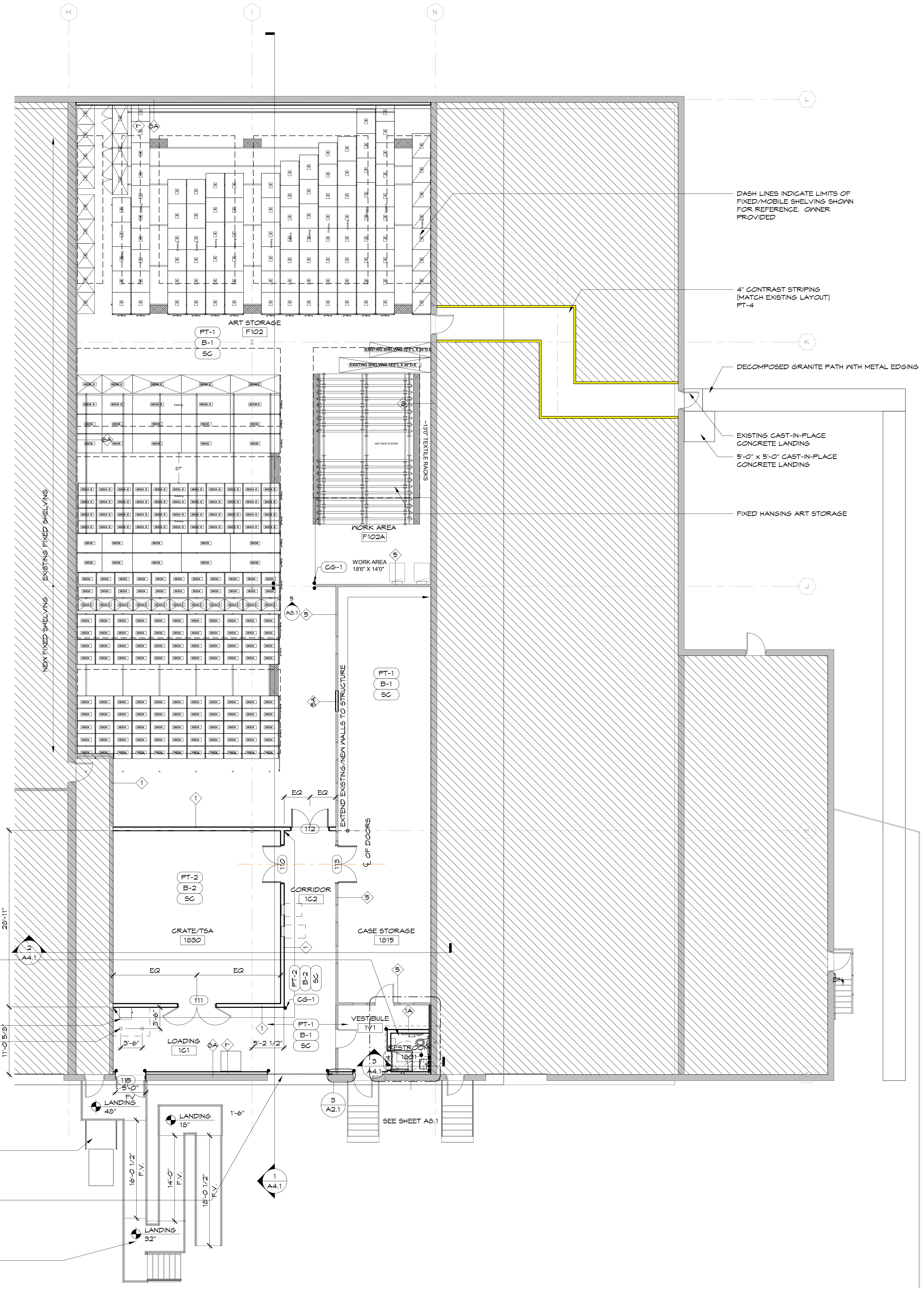
KEY PLAN

ISSUED FOR CONSTRUCTION

DATE	12.20.2021
DESCRIPTION	ISSUED FOR PERMIT
NO.	1
 STATE OF GEORGIA DOUGLAS L. WEBSTER REGISTERED PROFESSIONAL ARCHITECT 12.20.2021	
EMORY MCCM EXPANSION Emory University 1762 CLIFTON ROAD, SUITE 1600 ATLANTA, GA 30322	
 EMORY UNIVERSITY	
 Performa 1401 Peachtree Street, Suite 300 Atlanta, GA 30309 404-536-8006	
DEMOLITION - FIRST FLOOR PLAN AND ELEVATIONS	
TITLE	
DRAWN	AMS
DATE	08/19/2021
DRAWING NO.	A0.1
PROJECT NO.	21090
SCALE	1/8" = 1'-0"
REV	
DW	
REV	

FLOOR PLAN GENERAL NOTES

- A. ALL GYPSUM BOARD WALLS ARE TO BE WALL TYPE #1 UNLESS NOTED OTHERWISE.
- B. INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD UNLESS DETAILED OR NOTED OTHERWISE.
- C. COORDINATE SIZE AND LOCATIONS OF ANY AND ALL LOUVERS AND WALL OPENINGS WITH MECHANICAL, ELECTRICAL, AND PLUMBING SUBCONTRACTORS.
- D. VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS. RESOLVE ALL DISCREPANCIES PRIOR TO ANY INSTALLATION.
- E. PREPARE FLOOR SURFACE AS REQUIRED, I.E. REMOVE CARPET ADHESIVE AND GRIND AS NECESSARY, FOR NEW FINISH.
- F. REFER TO EMORY DESIGN AND CONSTRUCTION STANDARDS FOR MORE INFORMATION.



CONVENIENCE RESTROOM TO BE PRICED AS ADD-ALTERNATE. SEE LIFE SAFETY PLAN FOR MORE INFORMATION ON AVAILABLE RESTROOMS.

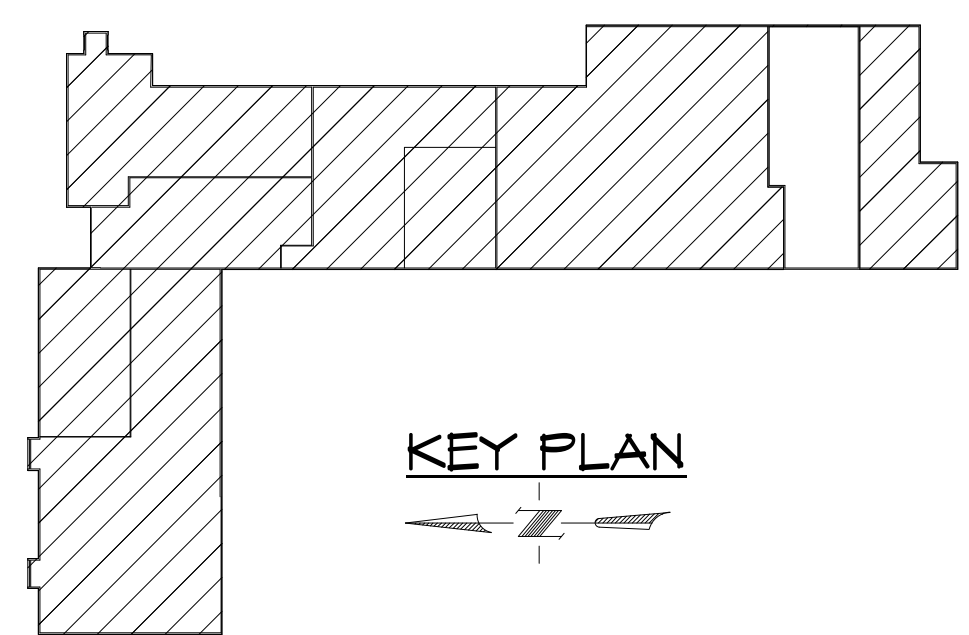
RELOCATED HUMIDIFIER SEE MECHANICAL DRAWINGS.

REMOVABLE BOLLARDS FT-4

EXISTING LIFT TO BE REPAIRED AND CLEANED AS REQUIRED FOR OPERATION. PROVIDE NEW HIGH PERFORMANCE PAINT FINISH TO MATCH EXISTING. IF UNREPAIRABLE, PROVIDE NEW LIFT AS AN ADD-ALTERNATE.

EXISTING OVERHEAD DOOR TO BE REPAIRED AS REQUIRED FOR OPERATION. PROVIDE SEALS/SWEEPS AS REQUIRED TO MINIMIZE INFILTRATION. PROVIDE A NEW DOOR AS AN ADD-ALTERNATE.

EXISTING STAIR AND RAMP TO REMAIN. MODIFY AS REQUIRED FOR CODE COMPLIANCE. SECURE TO ASPHALT AS REQUIRED.



FIRST FLOOR

1
A1.1
SCALE: 1/8" = 1'-0"

DATE	12.20.2021
DESCRIPTION	ISSUED FOR PERMIT
NO.	1



EMORY MCCM EXPANSION
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FIRST FLOOR PLAN

TITLE	AMS	CHKD	DW
DATE	08/19/2021	SCALE	1/8" = 1'-0"
DRAWING NO.	A1.1		
PROJECT NO.	21090	REV	1

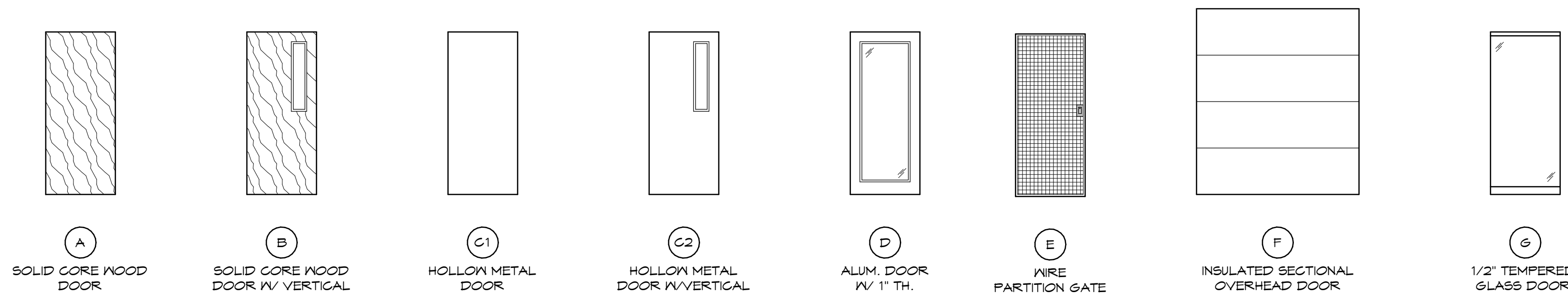
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DOOR SCHEDULE												
DOOR NO.	PAIR	WIDTH	HEIGHT	DOOR			FRAME				FIRE RATING	COMMENTS
				TYPE	THICKNESS	FINISH	TYPE	FINISH	HEAD	JAMB		
110	X	6'-0"	8'-0"	C1	1 3/4"	PAINTED	1	PAINTED	4/A2.1	5/A2.1	N/A	
111	X	6'-0"	8'-0"	C1	1 3/4"	PAINTED	1	PAINTED	4/A2.1	5/A2.1	N/A	
112	X	6'-0"	8'-0"	C1	1 3/4"	PAINTED	1	PAINTED	4/A2.1	5/A2.1	N/A	
113	X	6'-0"	8'-0"	C1	1 3/4"	PAINTED	1	PAINTED	4/A2.1	5/A2.1	N/A	
114	-	3'-0"	7'-0"	C1	1 3/4"	PAINTED	1	PAINTED	4/A2.1	5/A2.1	N/A	
115	X	4'-5"	7'-0"	C1	1 3/4"	PAINTED	1	PAINTED	2/A2.1	1/A2.1	N/A	

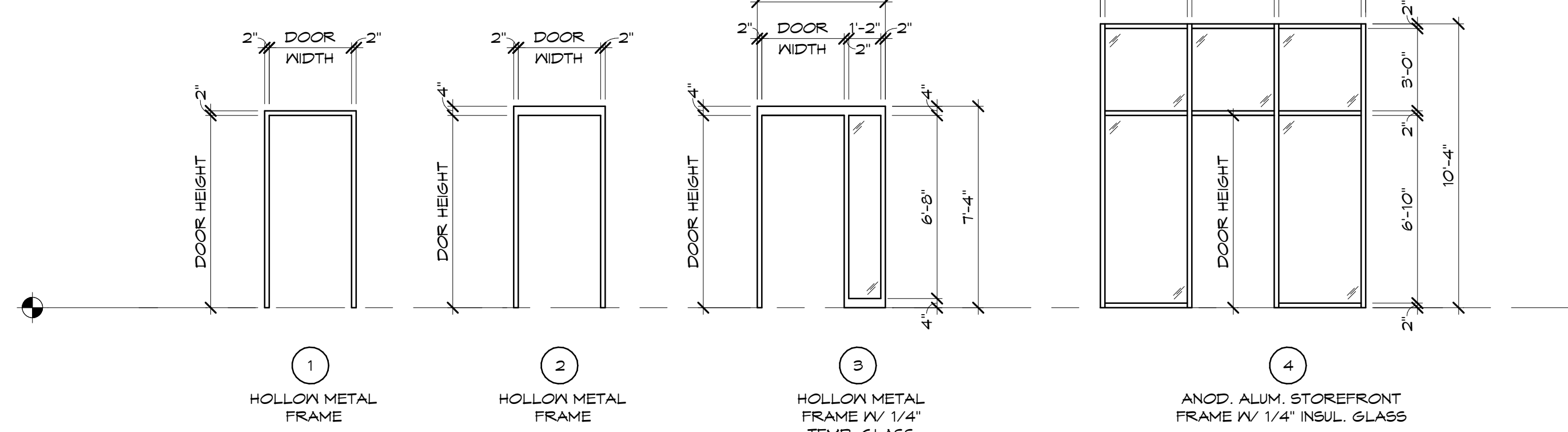
DOOR/FRAME NOTES

- A. ALL NEW AND EXISTING H.M. DOOR AND/OR FRAMES SHALL BE PAINTED UNLESS NOTED OTHERWISE
- B. FRAMES IN 8" CMU AND METAL STUD WALLS SHALL BE CENTERED IN WALL THICKNESS UNLESS NOTED OTHERWISE
- C. EXTERIOR FRAMES SHALL BE LOCATED 3" FROM THE EXTERIOR FACE OF THE BUILDING UNLESS NOTED OR DETAILED OTHERWISE.
- D. COORDINATE KEYING WITH OWNER.
- E. ALL LOCKSETS TO HAVE INTERCHANGEABLE CORES.
- F. ALL DOORS AND HARDWARE SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES.
- G. ALL ELECTRIFIED NON-MAGNETIC LOCKSETS SHALL BE FAIL-SECURE UNLESS NOTED OTHERWISE AND INCLUDE MANUAL KEY OVERRIDE MATCHING BASE BUILDING KEYWAY.
- H. SEE EMORY DESIGN AND CONSTRUCTION STANDARDS FOR MORE INFORMATION.

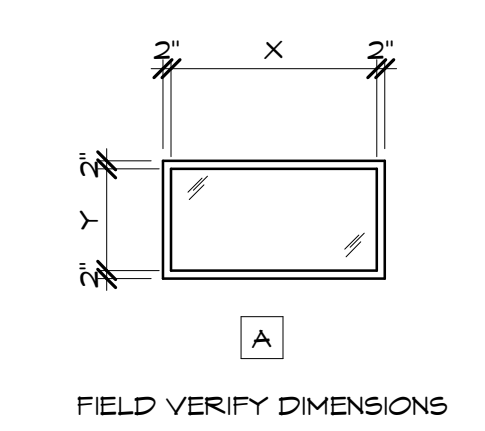
DOOR TYPES



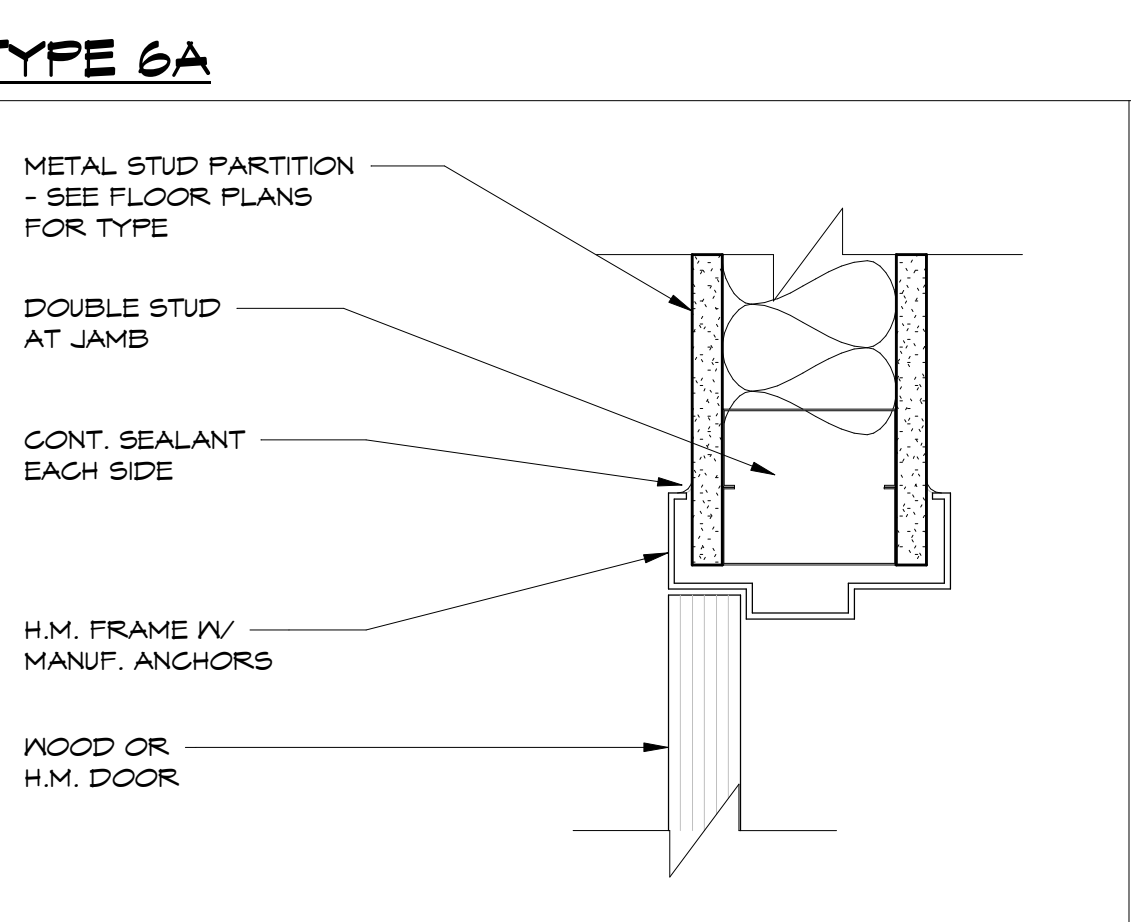
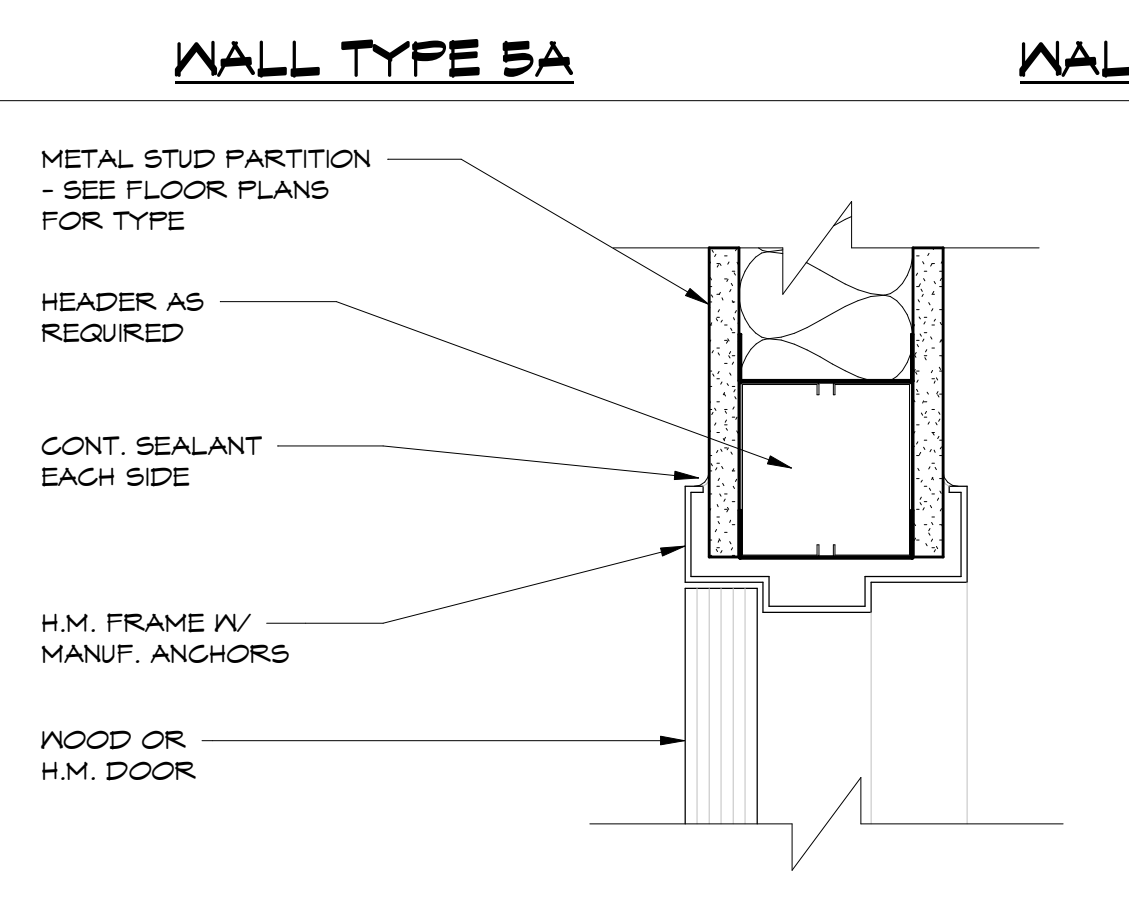
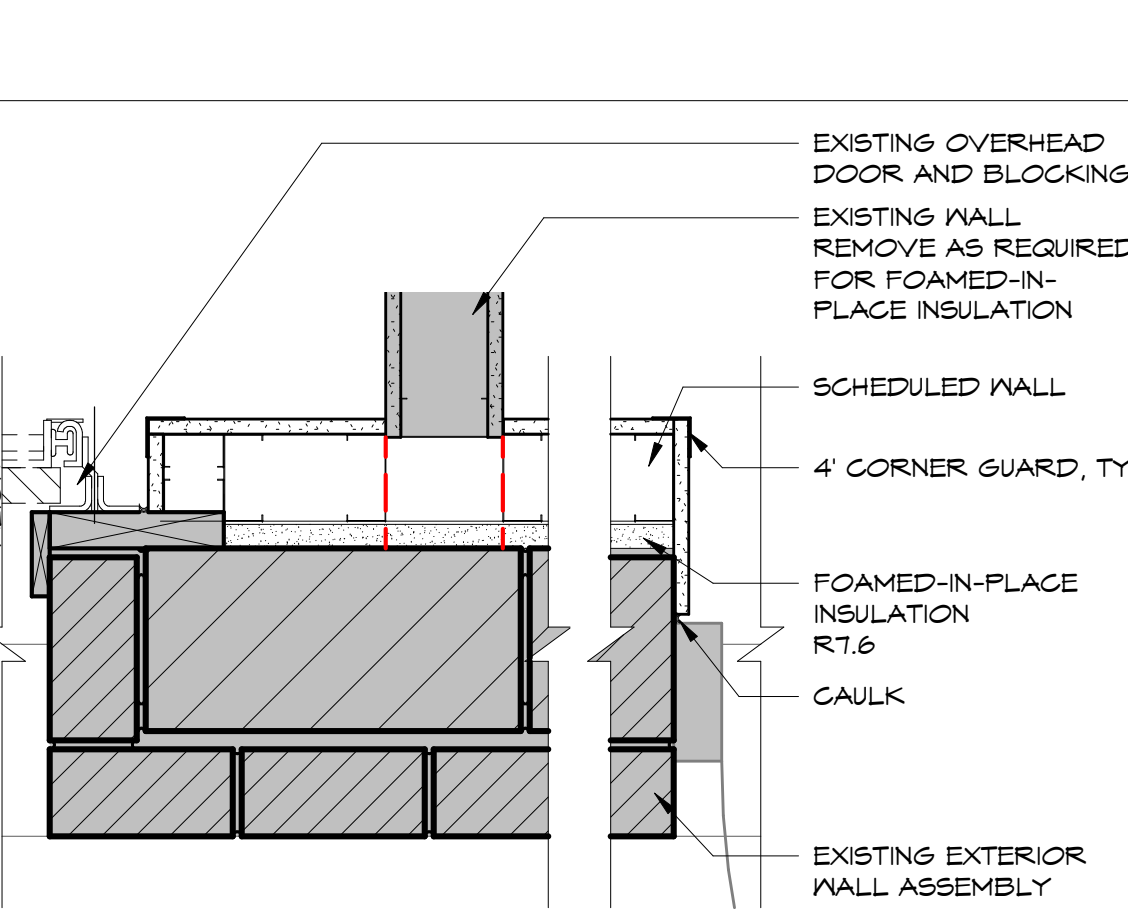
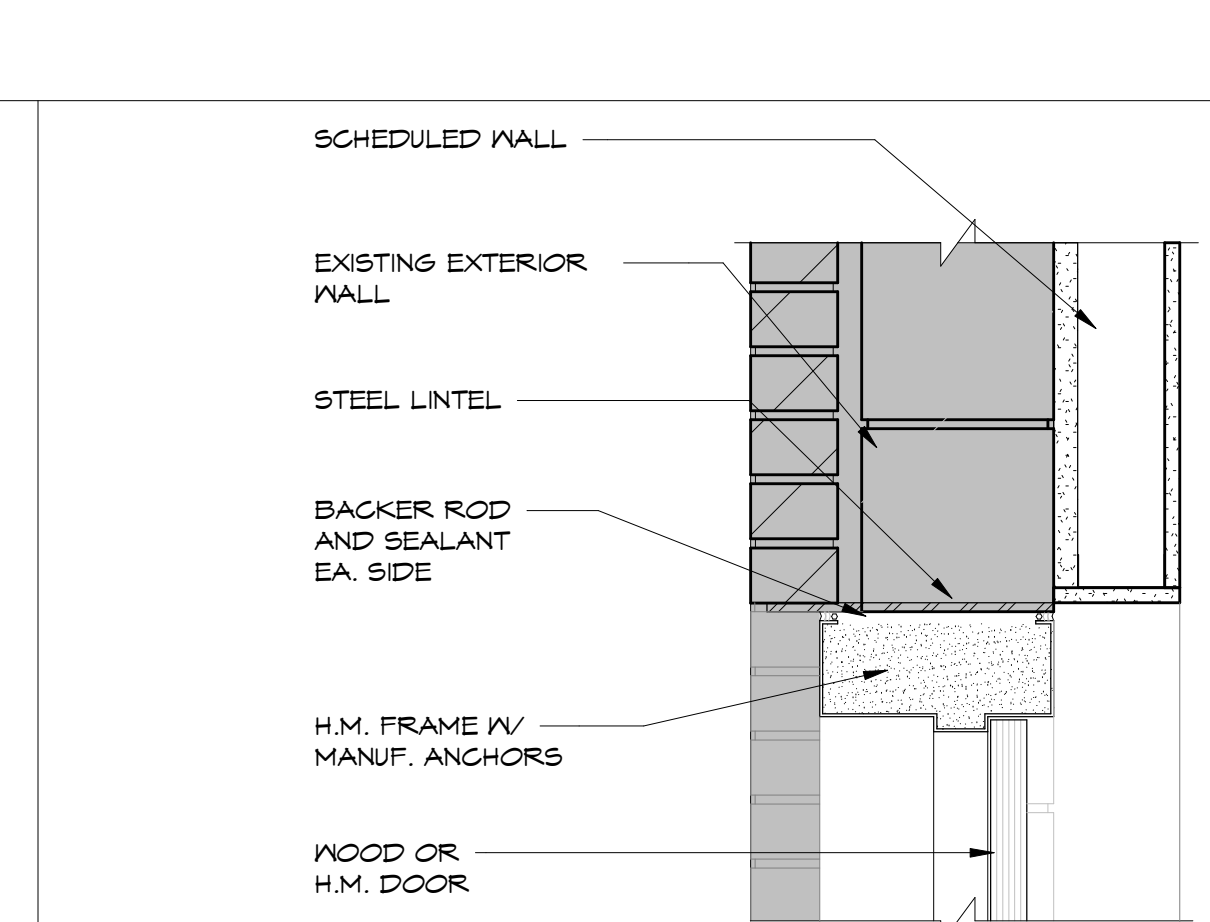
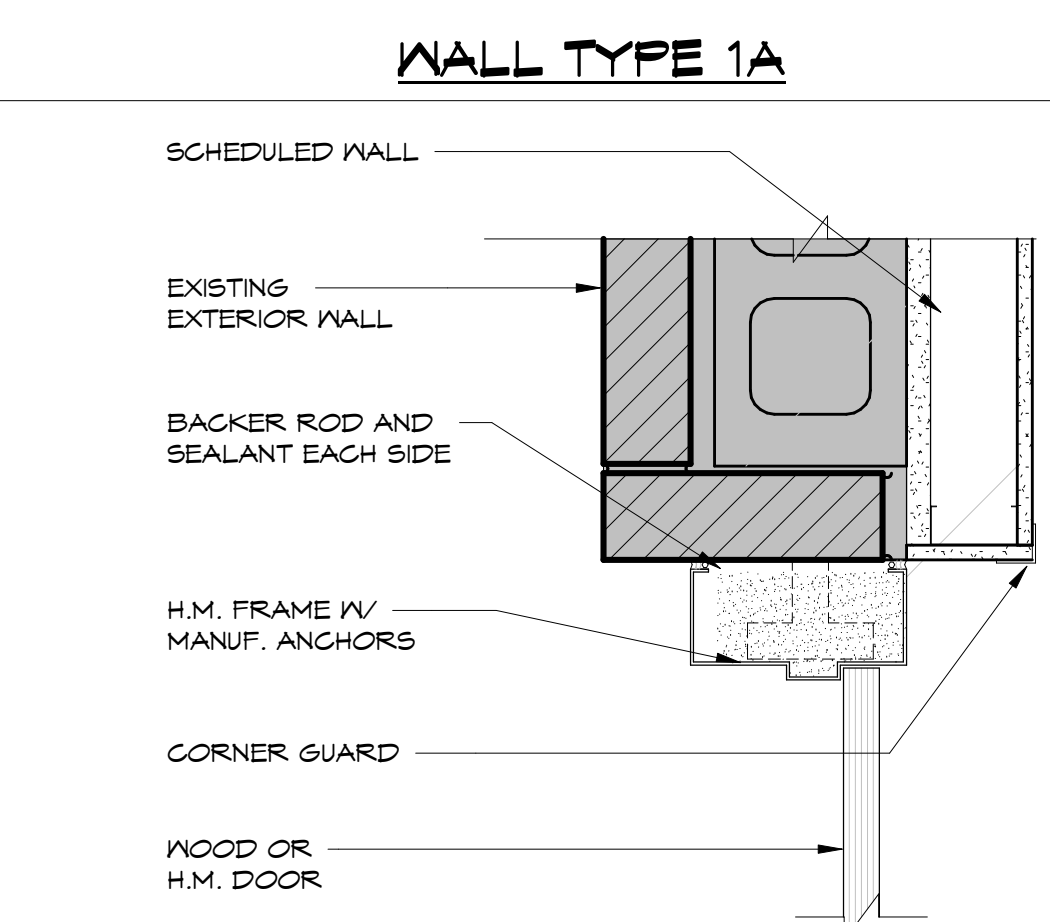
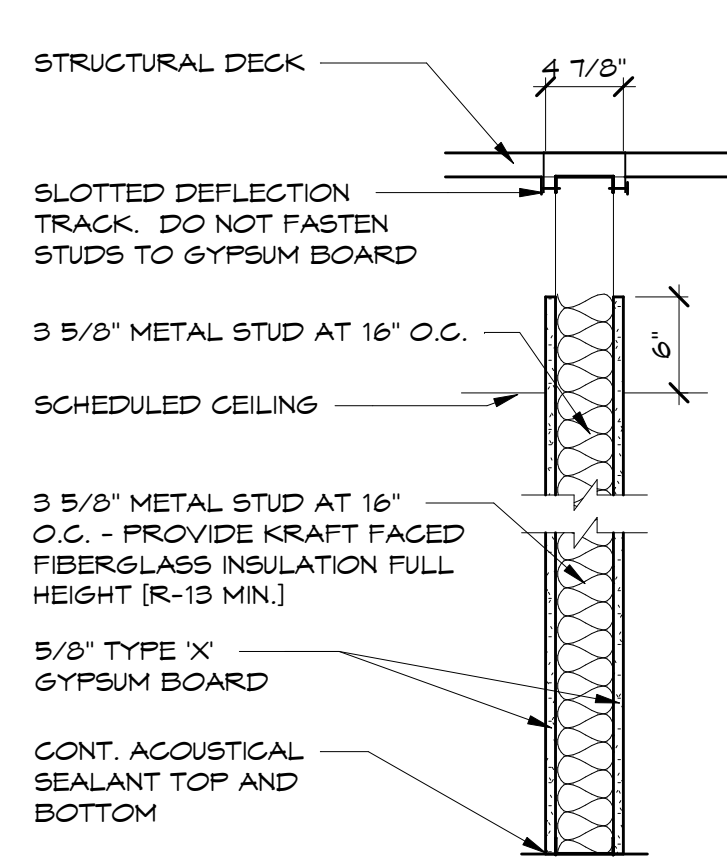
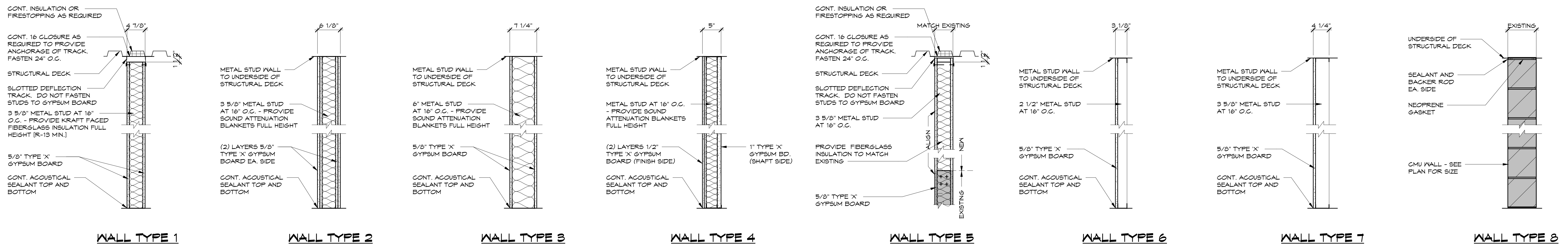
DOOR FRAMES



WINDOW TYPES



WALL CONSTRUCTION TYPES



DATE: 12.20.2021
 DESCRIPTION: ISSUED FOR PERMIT
 NO. 1
 STATE OF GEORGIA
 DOUGLAS L. WEBSTER
 REGISTERED PROFESSIONAL ARCHITECT
 12.20.2021

EMORY MCCM EXPANSION
 Emory University
 1762 CLIFTON ROAD, SUITE 1600
 ATLANTA, GA 30322

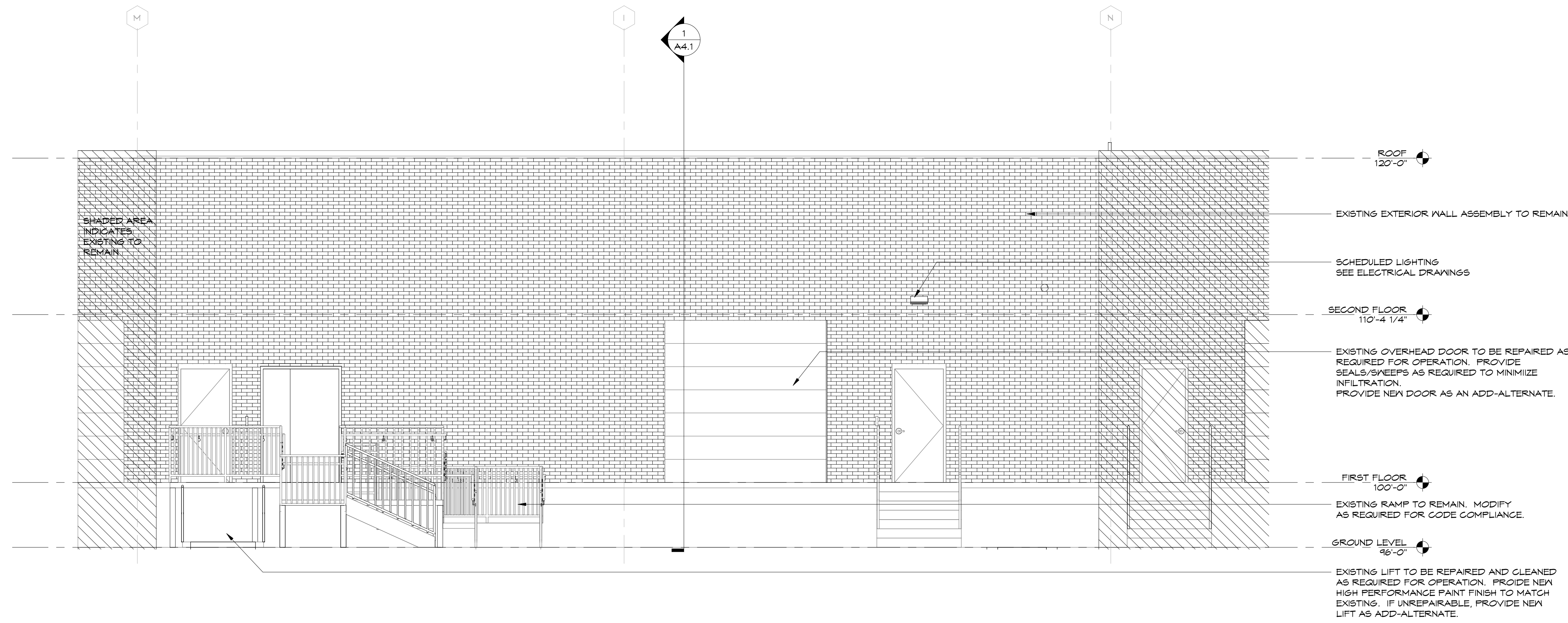
EMORY UNIVERSITY

Performa
 1401 Peachtree Street, Suite 300
 Atlanta, GA 30309
 404.536.8006

ISSUED FOR CONSTRUCTION

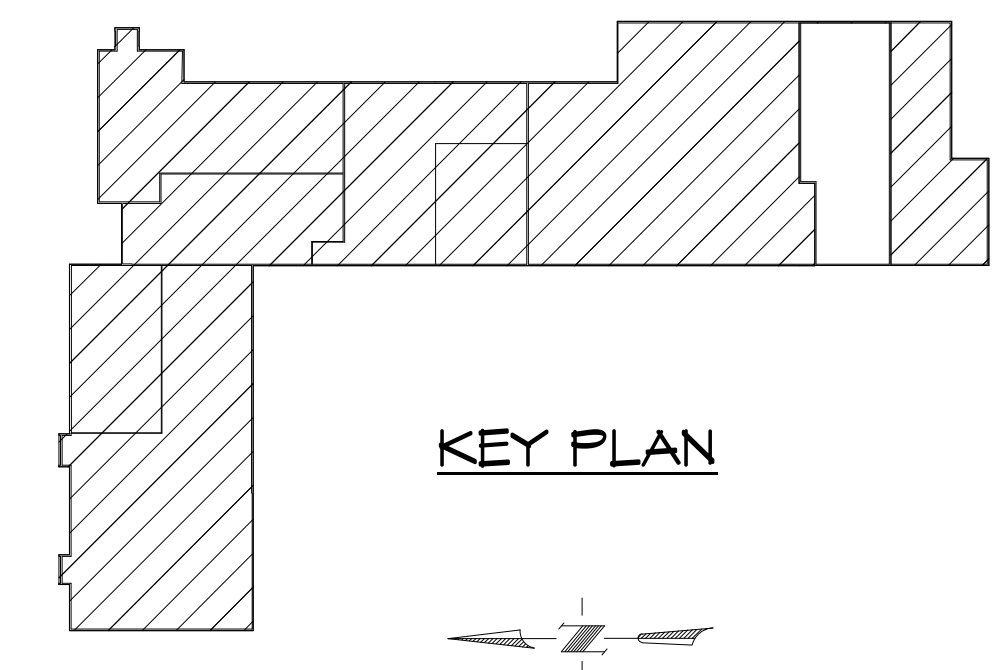
DOOR SCHEDULE

Author	CHKD	Checker
08/19/2021	SCALE	As indicated
A2.1		
PROJECT NO. 21090	REV	1



EXTERIOR ELEVATION - WEST

1
A3.1
SCALE: 1/4" = 1'-0"



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EMORY MCCM EXPANSION
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 ATLANTA, GA 30322

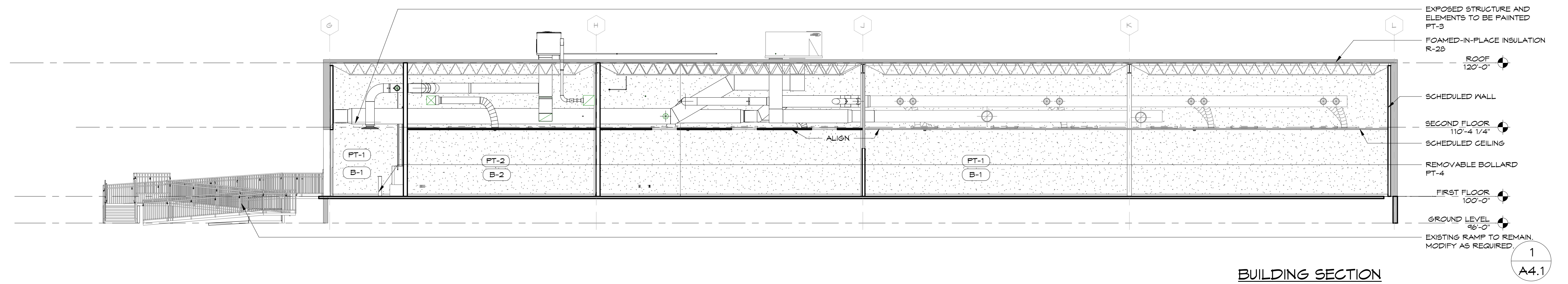


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 404-536-8006



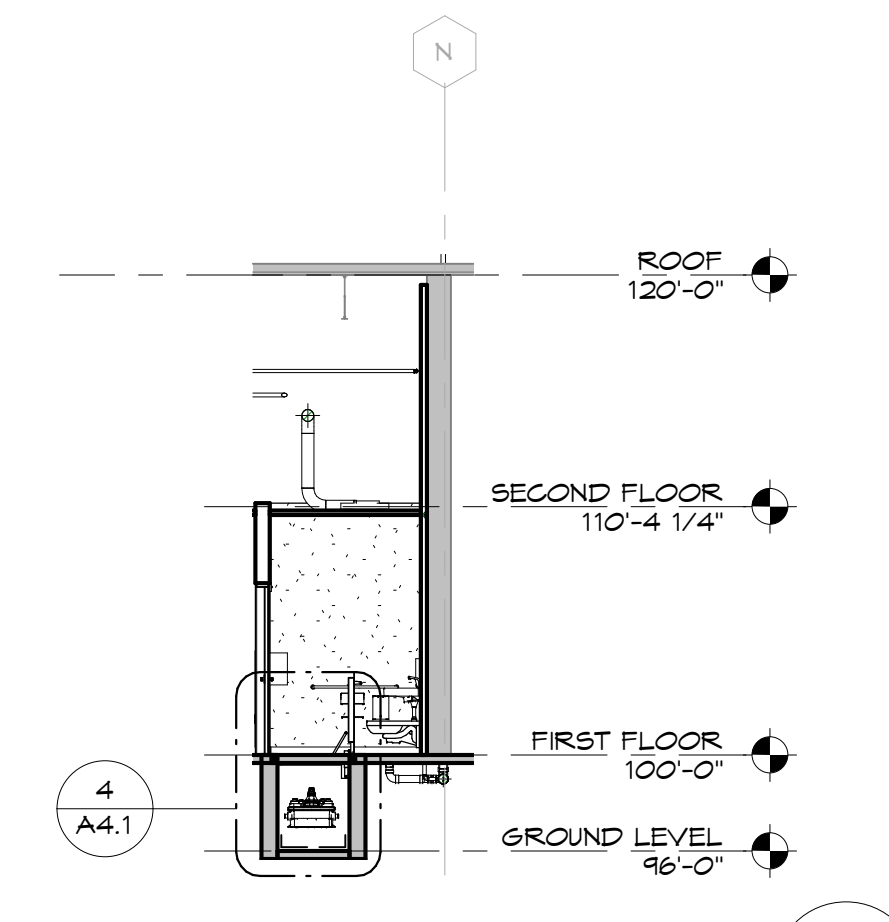
NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	12.20.2021

TITLE	
DRAWN	CHKD
Author	Checker
DATE	SCALE
08/19/2021	1/4" = 1'-0"
DRAWING NO.	
A3.1	
PROJECT NO.	REV
21090	1



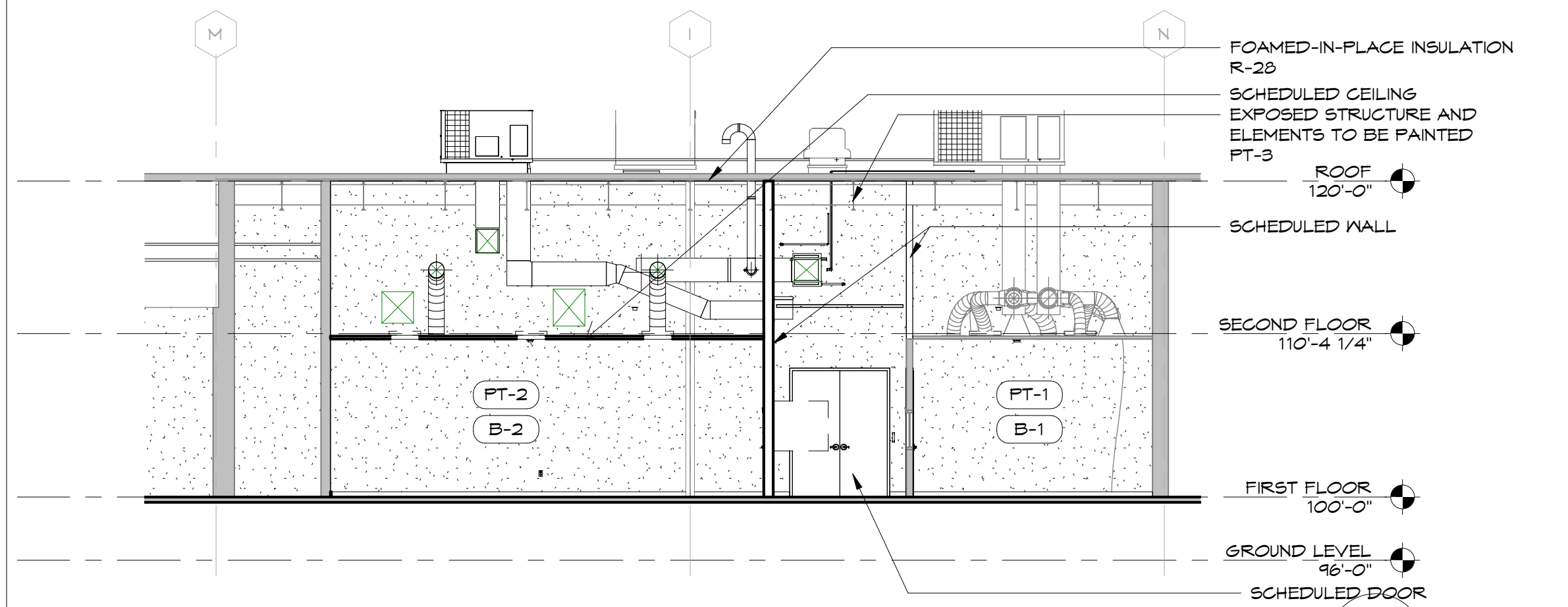
BUILDING SECTION

SCALE: 1/8" = 1'-0"
1
A4.1



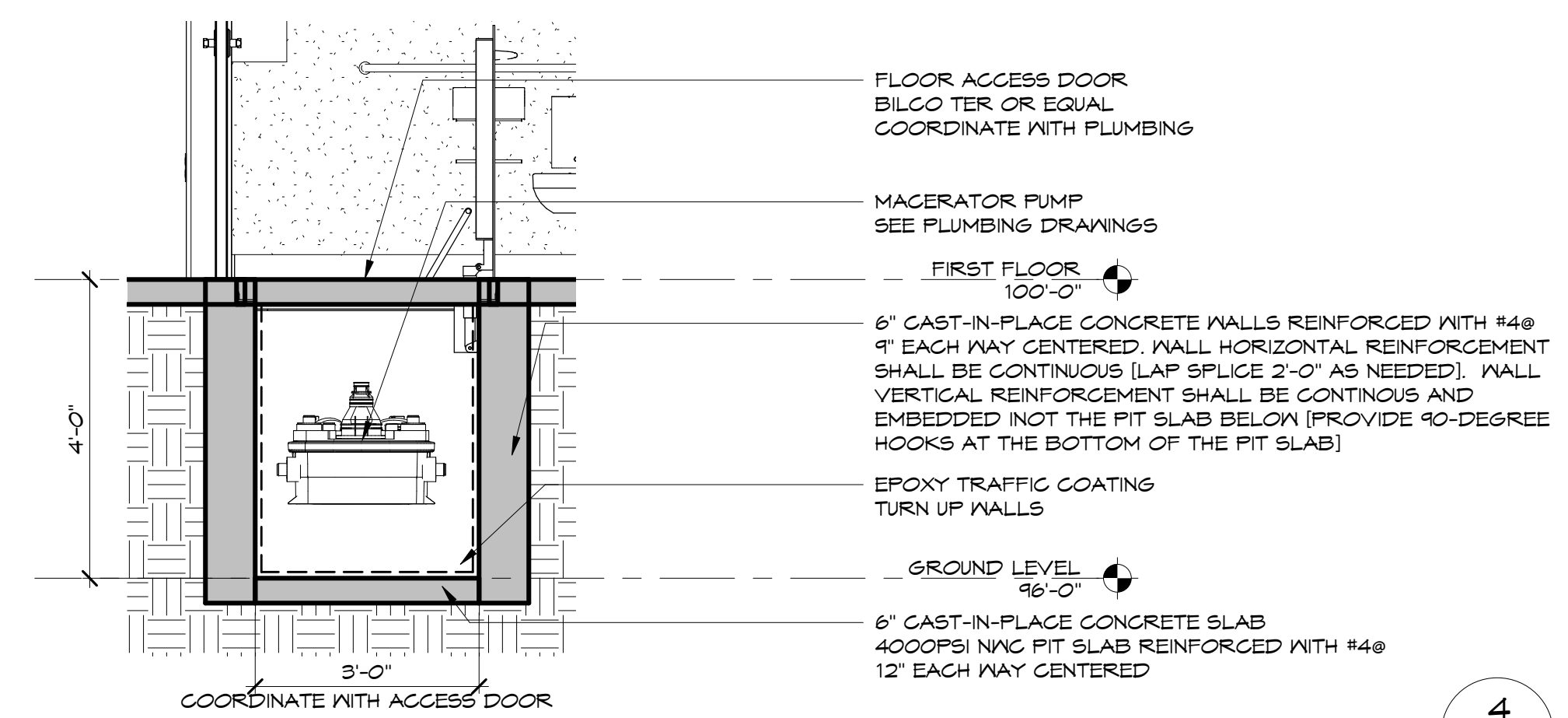
WALL SECTION

SCALE: 1/8" = 1'-0"
3
A4.1



BUILDING SECTION

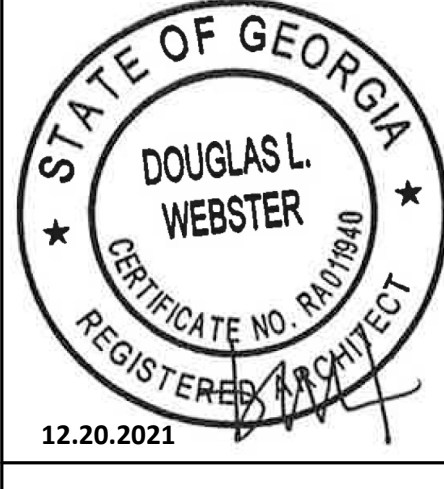
SCALE: 1/8" = 1'-0"
2
A4.1



SECTION DETAIL

SCALE: 1/2" = 1'-0"
4
A4.1

DATE	12.20.2021
DESCRIPTION	ISSUED FOR PERMIT
NO.	1



EMORY MCCM EXPANSION
Emory University
1762 CLIFTON ROAD, SUITE 1800
ATLANTA, GA 30322



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BUILDING SECTIONS AND DETAILS

TITLE	BUILDING SECTIONS AND DETAILS		
DRAWN	AMS	CHKD	DW
DATE	08/19/2021	SCALE	As indicated
DRAWING NO.	A4.1		
PROJECT NO.	21090	REV	1

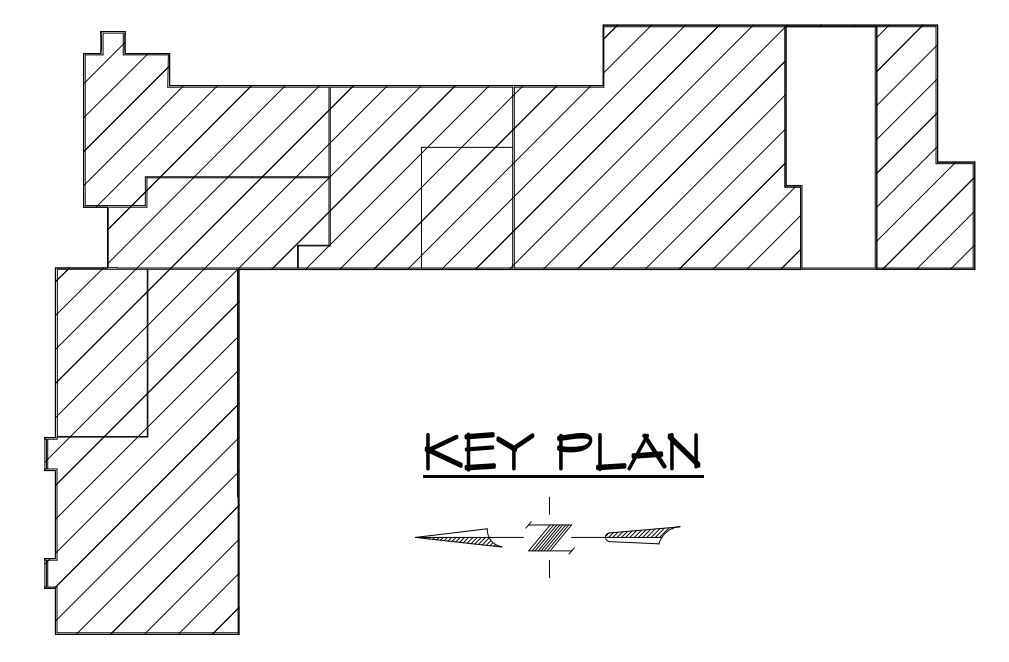
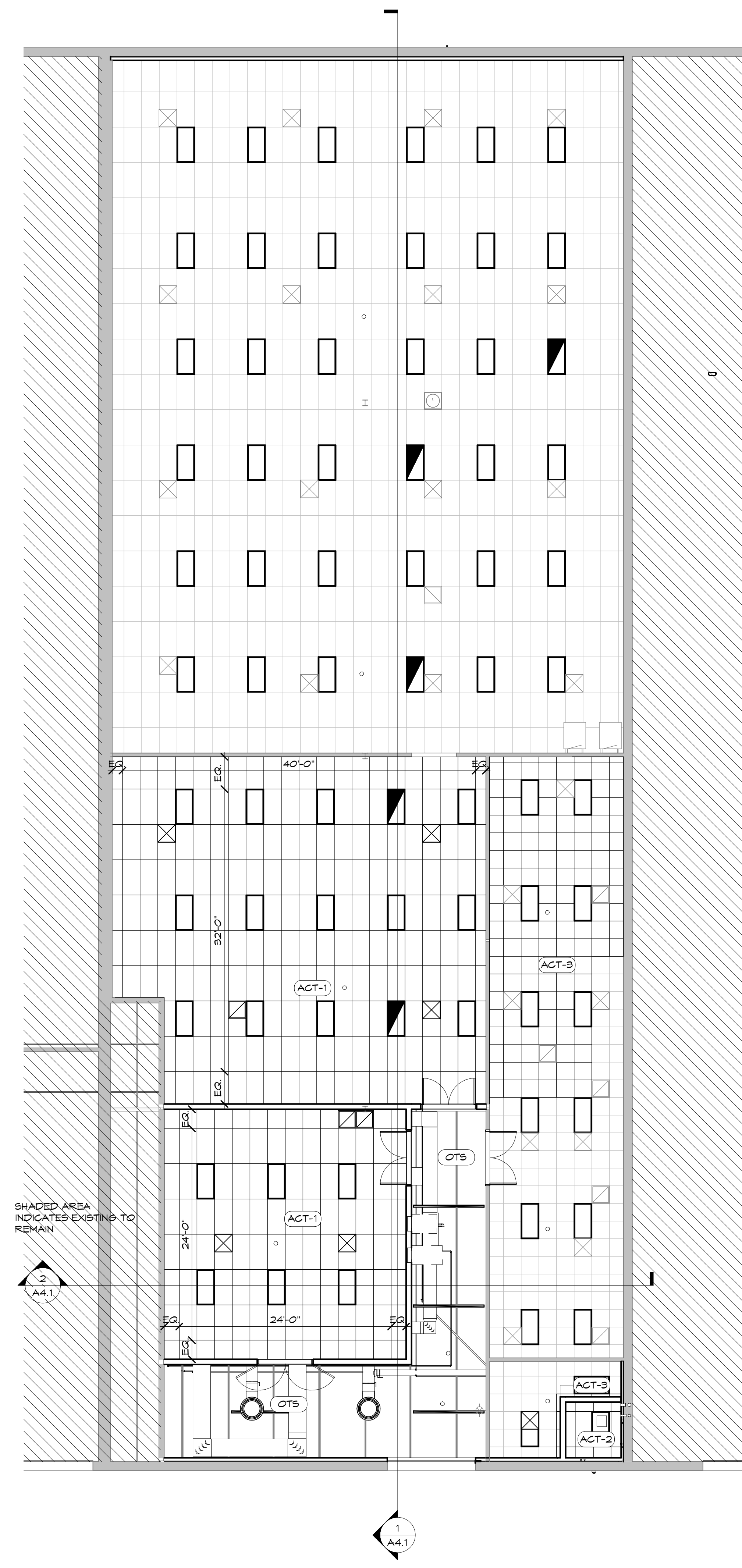
ISSUED FOR CONSTRUCTION

REFLECTED CEILING PLAN GENERAL NOTES

- A. CEILING CONTROL JOINTS (C.J.)
CONTROL JOINTS SHALL BE INSTALLED IN CEILINGS EXCEEDING 2500 SQ. FT. IN AREA. THE DISTANCE SHALL NOT BE MORE THAN 50 FT. BETWEEN JOINTS IN EITHER DIRECTION. A CONTROL JOINT SHALL BE INSTALLED WHERE CEILING FRAMING OR FURRING CHANNELS CHANGE DIRECTION.
- B. COORDINATE SIZE AND LOCATION OF ALL CEILING ACCESS PANELS WITH MECHANICAL/PLUMBING CONTRACTORS
- C. CONTRACTOR TO VERIFY EXISTING CEILING TILE AND GRID AND NOTIFY ARCHITECT OF SPECIFICATION. IF NOT AVAILABLE, PROVIDE NEW TILE THROUGHOUT.
- D. CONTRACTOR TO CONFIRM IF CEILING GRID CAN REMAIN DURING CONSTRUCTION AND NOTIFY ARCHITECT.

REFLECTED CEILING SYMBOLS

- = GYPSUM BOARD CEILING OR SOFFIT
- = CEILING DIFFUSER
- = RETURN/EXHAUST GRILLE
- = LINEAR SLOT DIFFUSER
- = 2x2 RECESSED LIGHT FIXTURE
- = 2x4 RECESSED LIGHT FIXTURE
- = STRIP LIGHT
- = RECESSED CAN LIGHT
- = EXIT LIGHT
- = SPEAKER



FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

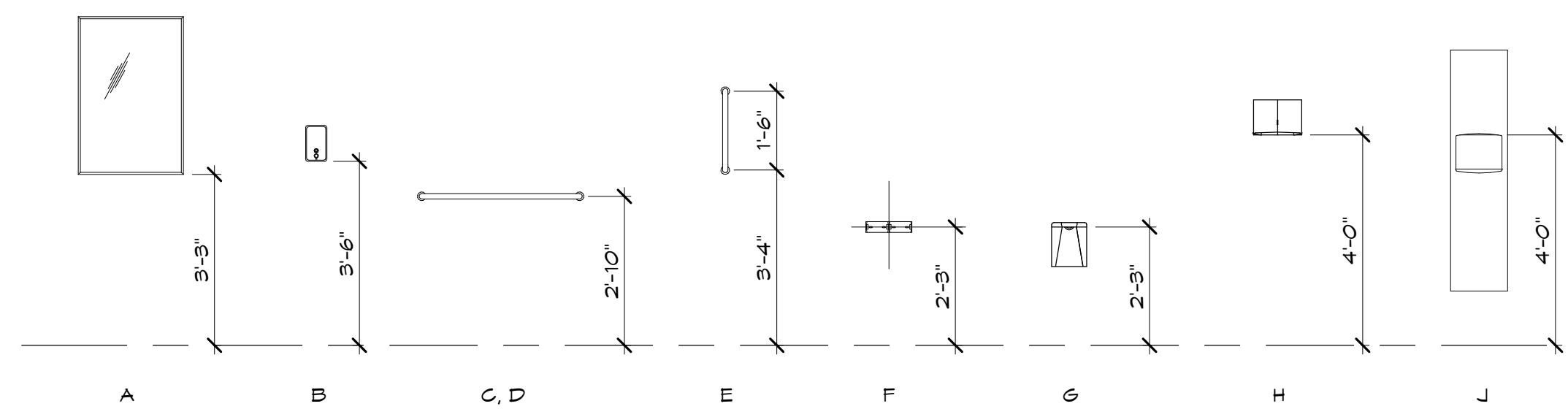
ISSUED FOR CONSTRUCTION

DATE 12.20.2021	DESCRIPTION
NO. 1	ISSUED FOR PERMIT
<p>EMORY MCCM EXPANSION Emory University 1762 CLIFTON ROAD, SUITE 1600 ATLANTA, GA 30322</p>	
<p>Performa 1401 Peachtree St NE Suite 300 Atlanta, GA 30309 404.536.8006</p>	
<p>FIRST FLOOR REFLECTED CEILING PLAN</p>	
TITLE	Author
DATE 08/19/2021	Checker
DRAWING NO. A7.1	SCALE 1/8" = 1'-0"
PROJECT NO. 21090	REV 1

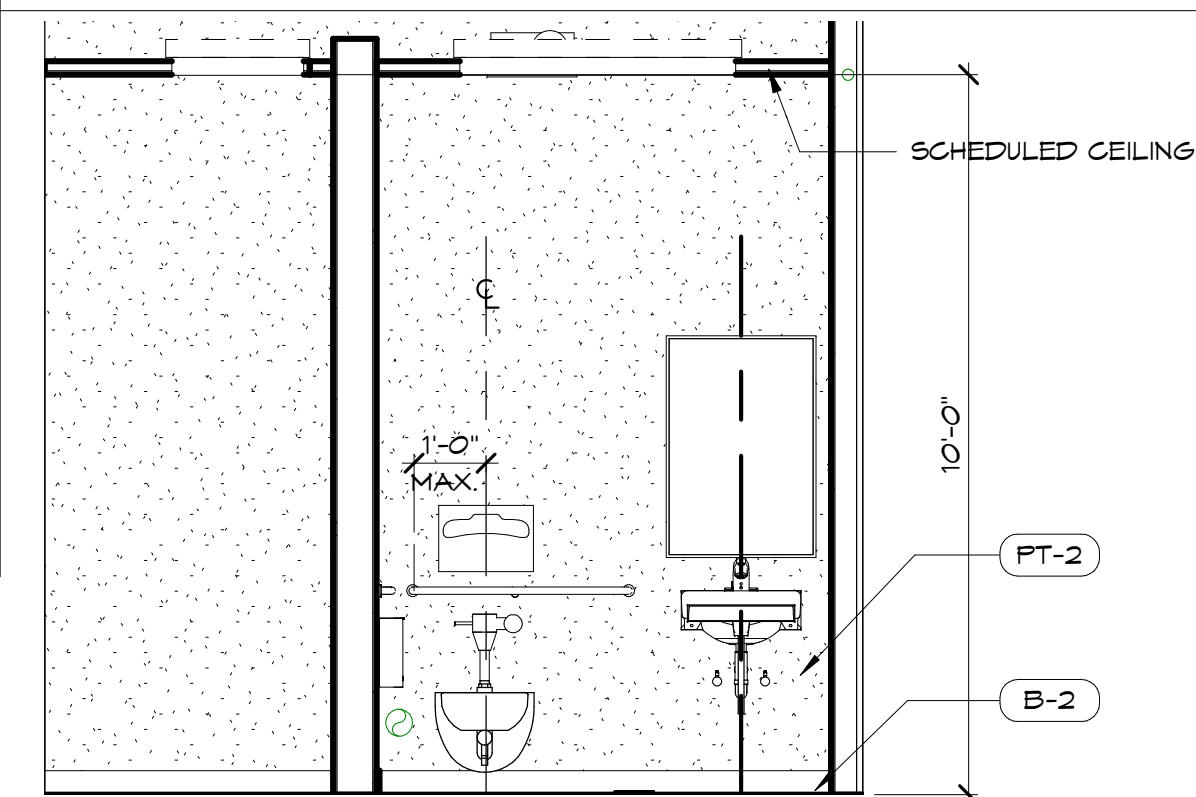
ALL INTERIOR FINISHES COMPLY WITH 2018 NFPA 101 LSC 42.9.3

FINISH SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/ INSTALLATION	SIZE	COMMENT
OTS	OPEN TO STRUCTURE			GRAY			ALL EXPOSED ELEMENTS TO BE PAINTED.
CEILING							
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG (OR USG EQUAL)	ULTIMA 1945	WHITE	9/16" WHITE GRID, BEVELED REGULAR	2' X 4'	SPECIFICATION PROVIDED IF UNABLE TO MATCH EXISTING. CLASS A FIRE RATING
ACT-2	ACOUSTIC CEILING TILE	ARMSTRONG (OR USG EQUAL)	ULTIMA HEALTH ZONE 1936	WHITE	9/16" WHITE GRID, BEVELED REGULAR	2' X 4'	BATHROOM. CLASS A FIRE RATING
ACT-3	ACOUSTIC CEILING TILE	ARMSTRONG (OR USG EQUAL)	ULTIMA 1942	WHITE	9/16" WHITE GRID, BEVELED REGULAR	2' X 2'	SPECIFICATION PROVIDED IF UNABLE TO MATCH EXISTING. CLASS A FIRE RATING
FLOORING							
BC	SEALED CONCRETE						
MISCELLANEOUS							
PT-4	PAINT - ACCENT	SHERWIN WILLIAMS	SAFETY YELLOW	SW 4084	FLAT AT CEILINGS, EGGSHELL AT WALLS, SEMI-GLOSS AT DOOR AND FRAMES		
WALL							
CG-1	CORNER GUARD	MDC	DURATEC VINYL CORNER GUARD	MATCH PT-1	FLAT AT CEILINGS, EGGSHELL AT WALLS, SEMI-GLOSS AT DOOR AND FRAMES	1.5' X 1.5'	MATCH WALL FINISH
PT-1	PAINT - GENERAL	SHERWIN WILLIAMS	B72K00001	SW 6182 ETHEREAL WHITE	FLAT AT CEILINGS, EGGSHELL AT WALLS, SEMI-GLOSS AT DOOR AND FRAMES		MATTHEW HEALD (matthew.j.heald@sherwin.com)
PT-2	PAINT - NEUTRAL ACCENT	SHERWIN WILLIAMS	B72K00001	SW 7658 JOGGING PATH	FLAT AT CEILINGS, EGGSHELL AT WALLS, SEMI-GLOSS AT DOOR AND FRAMES. EPOXY ON NET WALL ONLY.		MATCH EXISTING
PT-3	PAINT - GENERAL	SHERWIN WILLIAMS		MATCH INTUMESCENT COATING	FLAT AT CEILINGS, EGGSHELL AT WALLS, SEMI-GLOSS AT DOOR AND FRAMES		
WALL BASE							
B-1	RUBBER WALL BASE	ROPPE		F193 BLACK BROWN		4" CONTINUOUS COVE	ASATH E84 - CLASS B. OMIT BASE AT CMU WALLS
B-2	RUBBER WALL BASE	ROPPE		F193 BLACK BROWN		4" CONTINUOUS COVE	ASATH E84 - CLASS B. OMIT BASE AT CMU WALLS

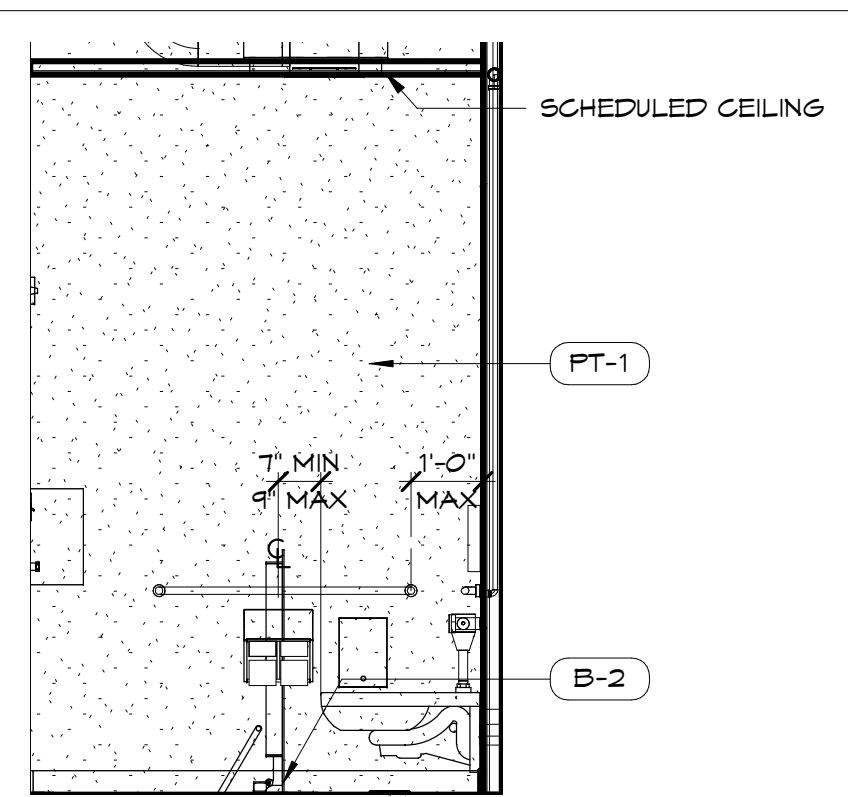


TOILET ACCESSORY ELEVATIONS
SCALE: 3/8" = 1'-0"



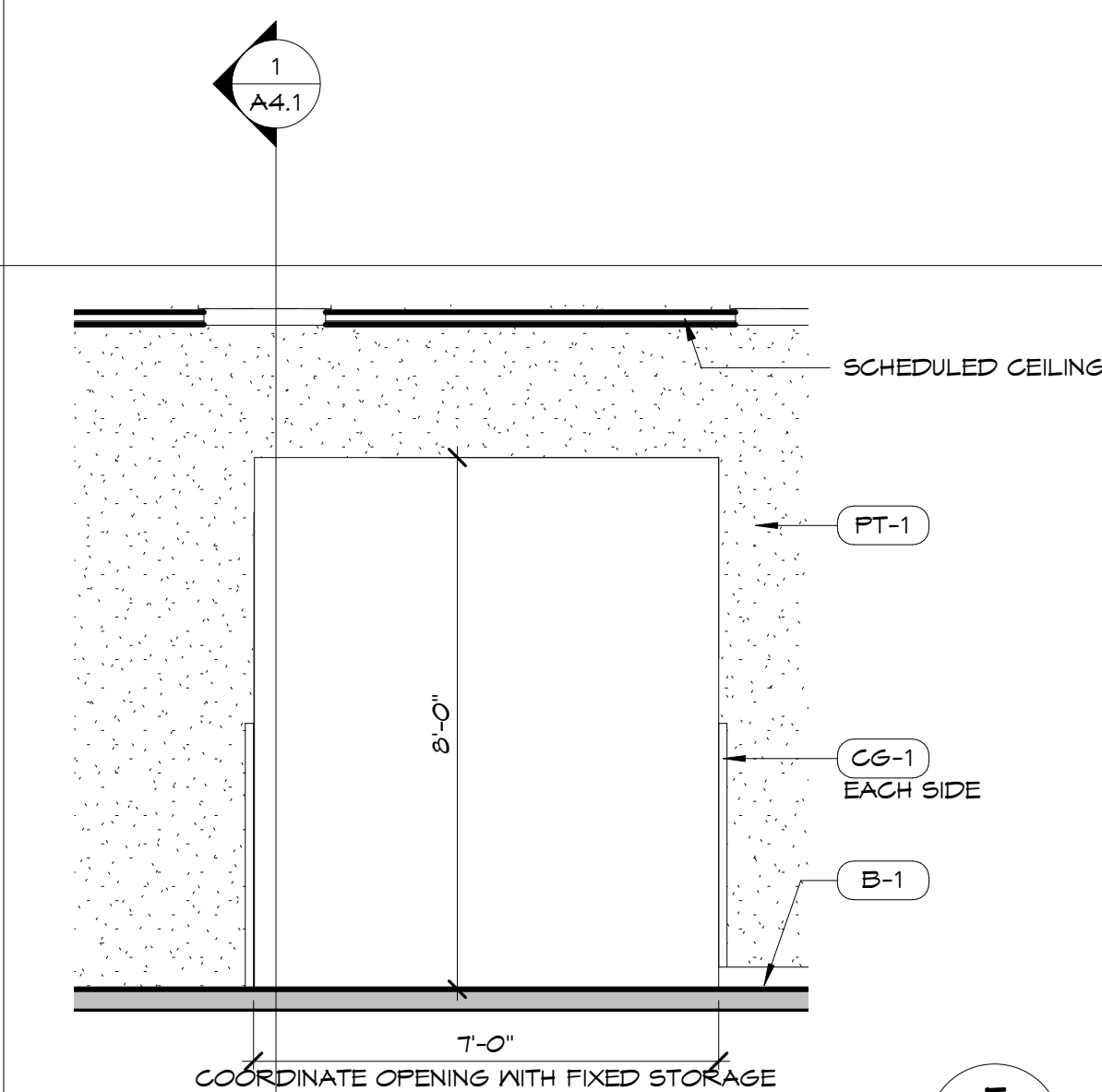
SOUTH ELEVATION (RESTROOM)

1
A8.1
SCALE: 3/8" = 1'-0"



EAST ELEVATION (RESTROOM)

2
A8.1
SCALE: 3/8" = 1'-0"



ELEVATION

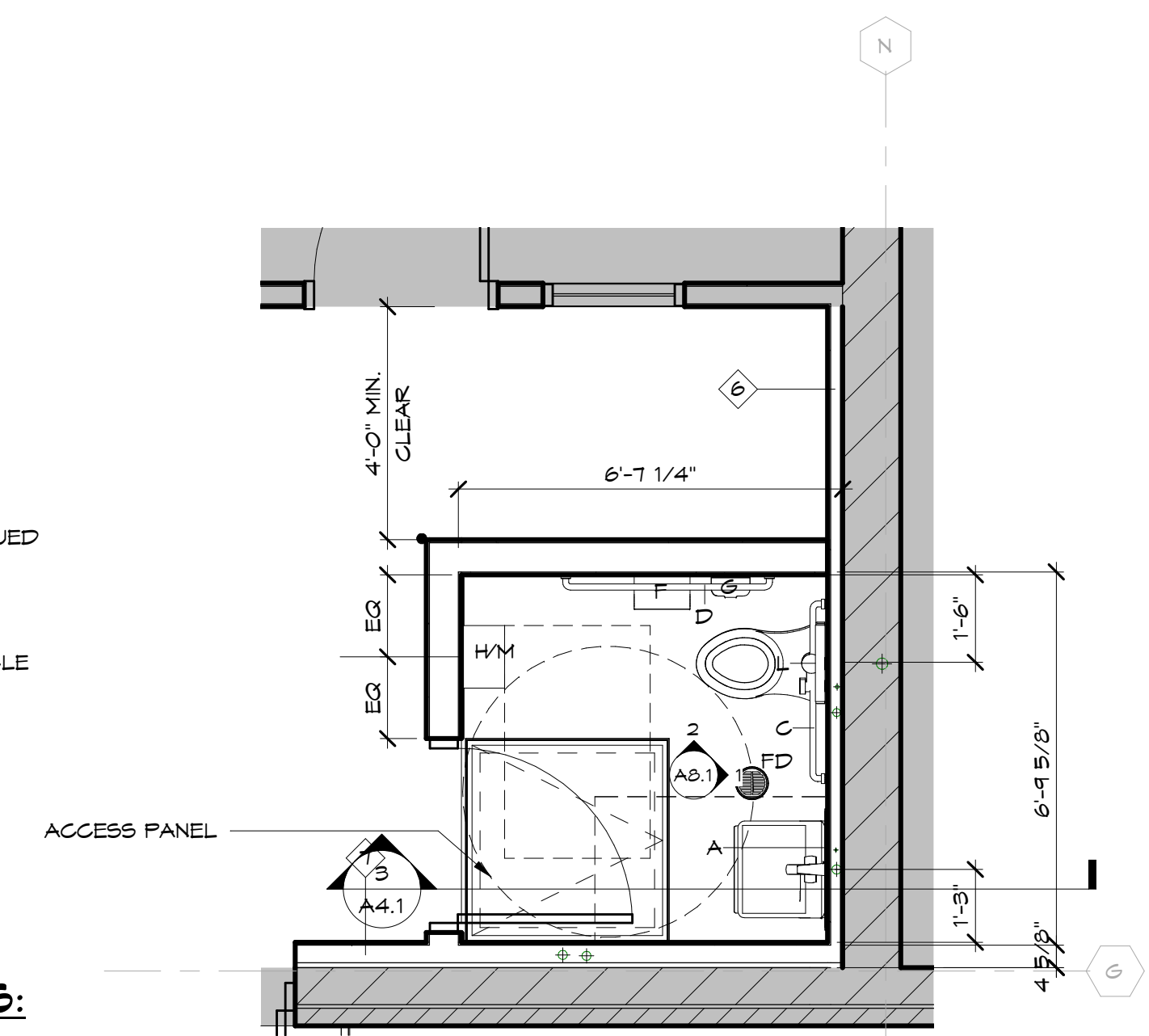
5
A8.1
SCALE: 3/8" = 1'-0"

TOILET AND BATH ACCESSORIES

- A = MIRROR (24"X36")
BRADLEY MODEL 101-2-2436
- B = SOAP DISPENSER
BY OWNER
- C = GRAB BAR (36" LONG)
BRADLEY MODEL 812-2
- D = GRAB BAR (42" LONG)
BRADLEY MODEL 812-2
- E = VERTICAL GRAB BAR (18" LONG)
BRADLEY MODEL 812-2
- F = TOILET TISSUE DISPENSER
GEORGIA PACIFIC MODEL GP-56746
- G = DISPOSAL UNIT
BRADLEY MODEL 4A10
BRADLEY MODEL 4781-15 DISCONTINUED
- H = PAPER TOWEL
GEORGIA PACIFIC GP-54584/54584
- J = TOWEL DISPENSER/WASTE RECEPTACLE
NOT USED
- K = BABY CHANGING STATION
NOT USED
- L = SEAT COVER DISPENSER
BRADLEY MODEL 5031
MOUNTED 48" AFF MAX
- M = TRASH CAN
BRADLEY MODEL 3A15-11

TOILET AND BATH NOTES:

1. PROVIDE TOILET ACCESSORIES AS SHOWN ON THIS SHEET AND IN SCHEDULE ABOVE
2. ALL BLOCKING REQUIRED FOR SUPPORT OF GRAB BARS AND TOILET ROOM ACCESSORIES SHALL BE PROVIDED BY THE GENERAL CONTRACTOR
3. SOAP DISPENSER AND TRASH RECEPTACLE PROVIDED BY OWNER

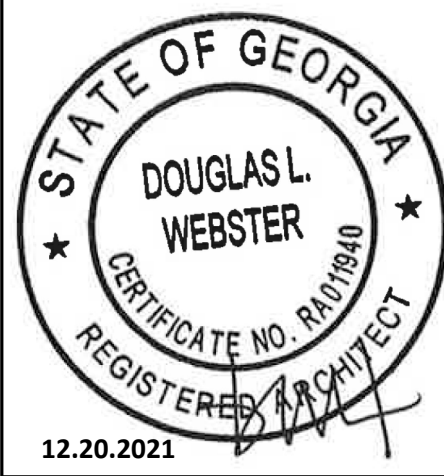


ENLARGED RESTROOM PLAN

3
A8.1
SCALE: 3/8" = 1'-0"

ISSUED FOR CONSTRUCTION

DATE	12.20.2021
DESCRIPTION	ISSUED FOR PERMIT
NO.	1



EMORY MCCM EXPANSION
Emory University
1782 CLIFTON ROAD, SUITE 1600
ATLANTA, GA 30322



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Atlanta, GA 30309
404-536-8006

ENLARGED PLANS, INTERIOR ELEVATIONS

TITLE	Author	CHKD	Checker
DATE	MM/DD/YY	SCALE	As indicated
DRAWING NO.	A8.1		
PROJECT NO.	21090	REV	1

STRUCTURAL GENERAL NOTES

- A. GENERAL
1. THE FOLLOWING GENERAL NOTES FOR THIS PROJECT SHALL APPLY TO ALL CONTRACTORS AND SUPPLIERS INVOLVED IN EXECUTION OF THE WORK SHOWN ON THESE DOCUMENTS.
2. ALL CONSTRUCTION SHALL BE PERFORMED IN CONFORMANCE WITH THE FOLLOWING:
3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. SECTIONS OR NOTES CALLED OUT ON PLAN SHALL APPLY TO ALL SIMILAR LOCATIONS ON THE BUILDING UNLESS SPECIFIED OTHERWISE.
5. GRAVITY LOADS: DEAD LOADS; ROOF DEAD LOAD; ROOF LIVE LOADS; WIND LOADS; DESIGN CRITERIA; EXECUTION; DEMOLITION.

- B. STRUCTURAL AND MISC. STEEL
1. REFERENCES: STRUCTURAL STEEL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS NOTED:
2. STEEL BEAMS SHALL BEAR A MINIMUM OF 6" ON MASONRY, UNLESS NOTED OTHERWISE.
3. STEEL CONTRACTOR TO FUNCH HOLES IN STEEL MEMBERS FOR ARCHITECTURAL CONNECTIONS. REFER TO ARCHITECTURAL PLANS.
4. FINISH ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER AS NOTED IN SPECIFICATIONS.
5. PROVIDE AND MAINTAIN ADEQUATE TEMPORARY BRACINGS OF ALL ERRECTED STRUCTURAL STEEL UNTIL STRUCTURAL WORK IS SECURELY INCORPORATED INTO CONSTRUCTION TO ENSURE PLUMB AND SQUARE ALIGNMENT.
6. ALL FIELD WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER.
7. ALL FIELD WELDS LONGER THAN 4" SHALL BE SKIP WELDED IN 4" INCREMENTS UNTL SPECIFIED WELD LENGTH IS ACHIEVED.
8. FOR STAIRS, TREADS, RAILINGS AND SLEEVES FOR SAME, SEE ARCHITECTURAL AND STRUCTURAL PLANS. FIELD MEASUREMENTS PRIOR TO FABRICATION ARE REQUIRED.
9. ALL WELDED HEADED STUDS SHALL BE INSPECTED ACCORDING TO AISC D1.1, SEC. 7.6 THRU 7.7.
10. PROVIDE ONE COAT MINIMUM OF PRIMER (GREY) IN SHOP. FOR STEEL INDICATED FOR HOT DIP GALVANIZED COATING, PROVIDE SHOP PRIMER COMPATIBLE WITH COATINGS, DO NOT PAINT SURFACES TO BE IN CONTACT WITH CAST-IN-PLACE CONCRETE OR SPRAY-ON FIRE PROOFING, TO BE WELDED, OR TO RECEIVE WELDED HEADED SHEAR STUDS.
11. ALL STRUCTURAL STEEL MUST BE ERECTED PLUMB AND SQUARE PER THE REQUIREMENTS OF AISC UNLESS NOTED OTHERWISE ON SPECIFIC LOCATIONS INDICATED ON THE DRAWINGS. GENERAL CONTRACTOR AND STEEL ERECTOR ARE RESPONSIBLE FOR COORDINATING THESE REQUIREMENTS WITH AISC, OSHA, AND ALL OTHER GOVERNING AUTHORITIES (LISTED OR NOT LISTED IN THESE DOCUMENTS).

- C. METAL DECKING
1. REFERENCES: STEEL DECK CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:
2. SECURE ROOF DECK UNITS AT SIDELAPS AND FASTEN SIDELAPS AS INDICATED ON PLAN. VARIATIONS FROM PLAN-INDICATED FASTENING MUST BE APPROVED BY ENGINEER. SHEAR AND UPLIFT FORCES FOR ALTERNATE SYSTEMS MUST EXCEED SPECIFIED FASTENING.
3. PROVIDE DECK FRAME FOR ALL DECK OPENINGS LARGER THAN 6", SEE DETAILS.
4. ALL METAL DECK EXPOSED TO WEATHER, CAST-IN-PLACE CONCRETE, OR SPRAY-ON FIREPROOFING SHALL BE GALVANIZED (G-40 FINISH U.N.O.)

- D. DEFERRED STRUCTURAL SUBMITTALS
1. THE FOLLOWING STRUCTURAL COMPONENTS ARE TO BE DESIGNED AND SUBMITTED BY OTHERS FOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS:
- METAL STUD FRAMING
- SPECIALTY EQUIPMENT INCLUDING ANCHORAGE (STORAGE RACKS)

SCHEDULE OF SPECIAL INSPECTIONS SERVICES - EMORY MCCM EXPANSION. Table with columns: PROJECT, MATERIAL ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Structural Steel Connections, Structural Steel Decking, and Cold-Formed Steel Deck.

ACCESS:SI GL 01-19

SCHEDULE OF SPECIAL INSPECTIONS SERVICES - EMORY MCCM EXPANSION. Table with columns: PROJECT, MATERIAL ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Wind-Resisting Components, Structural Steel Seismic Inspections, and Structural Steel Testing for Seismic Resistance.

ACCESS:SI GL 01-19

SCHEDULE OF SPECIAL INSPECTIONS SERVICES - EMORY MCCM EXPANSION. Table with columns: PROJECT, MATERIAL ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Wind-Resisting Components, Structural Steel Seismic Inspections, and Structural Steel Testing for Seismic Resistance.

ACCESS:SI GL 01-19

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: EMORY MCCM EXPANSION
LOCATION: 1762 CLIFTON ROAD, SUITE 1800 ATLANTA, GA 30322
PERMIT APPLICANT: (b)(6)
APPLICANT'S ADDRESS: (b)(6)
ARCHITECT OF RECORD: DOUGLAS WEBSTER / PERFORMA, INC.
STRUCTURAL ENGINEER OF RECORD: ADAM KARABELNI
MECHANICAL ENGINEER OF RECORD: BEN CHARLESWORTH
ELECTRICAL ENGINEER OF RECORD: MATHEW MARER
REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: DOUGLAS WEBSTER

This Statement of Special Inspections is submitted in accordance with Section 1704.3 of the 2018 International Building Code. It includes a Schedule of Special Inspection Services applicable to the above-referenced Project as well as the identity of the individuals, agencies, or firms intended to be retained for conducting these inspections. If applicable, it includes Special Inspections for Seismic Resistance and/or Special Inspections for Wind Resistance.

Are Special Inspections for Seismic Resistance included in the Statement of Special Inspections? Yes [X] No []
Are Special Inspections for Wind Resistance included in the Statement of Special Inspections? Yes [X] No []

The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge at a frequency agreed upon by the Design Professional and the Building Official prior to the start of work. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A Final Report of Special Inspections documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

Frequency of interim report submittals to the Registered Design Professional in Responsible Charge:
Weekly Bi-Weekly Monthly Other: specify:
The Special Inspection program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Adequate safety and means and methods of construction are solely the responsibility of the Contractor.

Statement of Special Inspections Prepared by: RAHUL DESAI
Signature: [] Date: []
Building Official's Acceptance: [] Date: []
Permit Number: []
Frequency of interim report submittals to the Building Official: Monthly Bi-Monthly Upon Completion Other: specify: []

ACCESS:SI GL 01-19

page A1

Special Inspections for Seismic Resistance

See the Schedule of Special Inspections for inspection and testing requirements

Seismic Design Category: C

Special Inspections for Seismic Resistance Required (Yes/No): NO
Description of seismic force-resisting system subject to special inspection and testing for seismic resistance:
(When required per IBC Sections 1705.12.1, 1705.12.2 and 1705.12.3) Special Inspections for seismic resistance of structural steel, where required, shall be in accordance with AISC 341.1

n/a

Description of designated seismic systems subject to special inspection and testing for seismic resistance:
(Required for structural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7, have a component importance factor, I, greater than one and are in Seismic Design Categories C, D, E or F.)

n/a

Description of additional seismic systems and components requiring special inspections:
(Required for systems noted in IBC Section 1705.12.5, 1705.12.6, 1705.12.7, and 1705.12.8.)

n/a

Description of additional seismic systems and components requiring testing:
(Where required per IBC Section 1705.13)

n/a

Statement of Responsibility: Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

ACCESS:SI GL 01-19

page A2

Special Inspections for Wind Resistance

See the Schedule of Special Inspections for inspection and testing requirements

Allowable Stress Design Wind Speed, V_{as}: 82.1 m.p.h.

Wind Exposure Category: B

Special Inspection for Wind Resistance Required (Yes/No): NO
Description of wind force-resisting system subject to special inspection for wind resistance:
(Required for systems noted in IBC Section 1705.11.1 and 1705.11.2)

n/a

Description of windforce-resisting components subject to special inspections for wind resistance:
(Required for systems and components noted in IBC Section 1705.11.3)

n/a

Statement of Responsibility: Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

ACCESS:SI GL 01-19

page A3

SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY

DATE 12.20.2021

DESCRIPTION

NO. 1

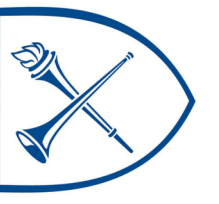
ISSUED FOR PERMIT



EMORY MCCM EXPANSION

Emory University

1762 CLIFTON ROAD, SUITE 1800 ATLANTA, GA 30322



EMORY UNIVERSITY

ISSUED FOR CONSTRUCTION



1401 Peachtree St NE Suite 300 Atlanta, GA 30309

STRUCTURAL GENERAL NOTES

TITLE

DRAWN DM

DATE 08/19/21

PROJECT NO 21000

CHECK RAD

SCALE 1/4" = 1'-0"

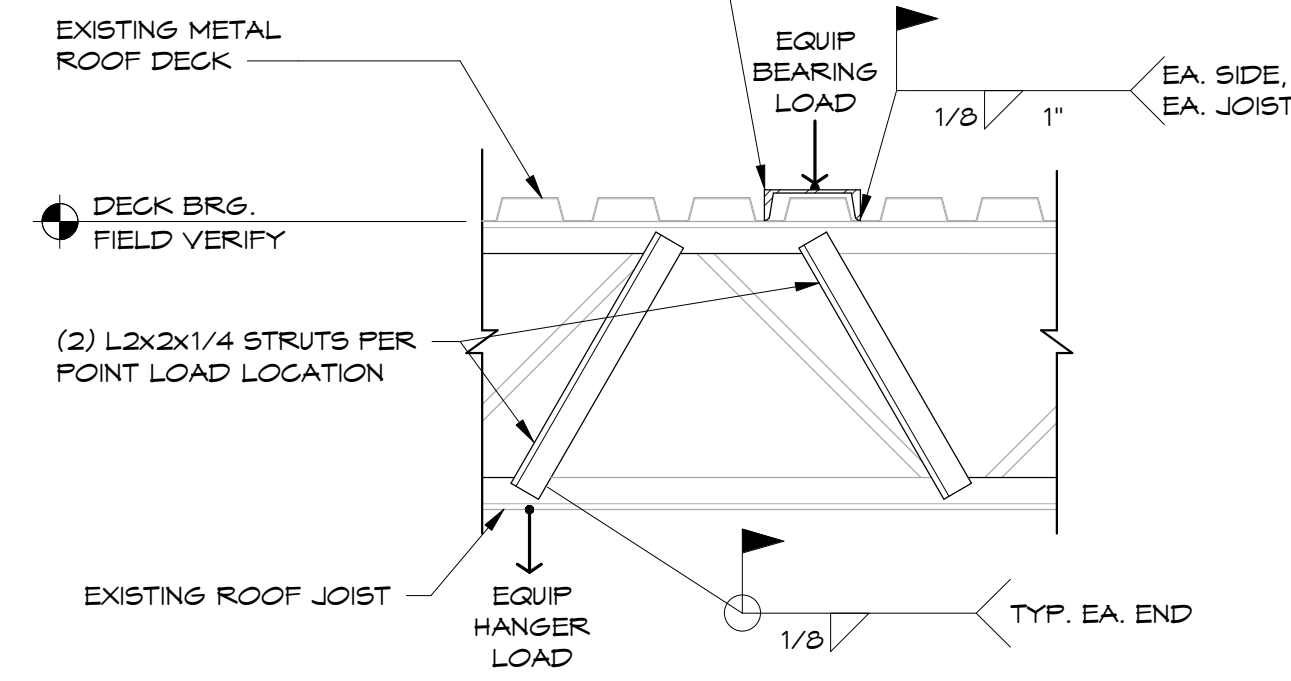
REV

SN1.1

NO. 1

6x8.2 OVER 1 1/2" ROOF DECK WHEN LOADS ARE FROM ROOF TOP EQUIPMENT (FULLY SPAN CHANNELS OVER (2) JOIST MIN.). LOCATE CHANNELS UNDER NEA EQUIPMENT BEARING ATTACHMENT LOCATIONS. GC TO COORDINATE WITH EQUIPMENT MFRS.

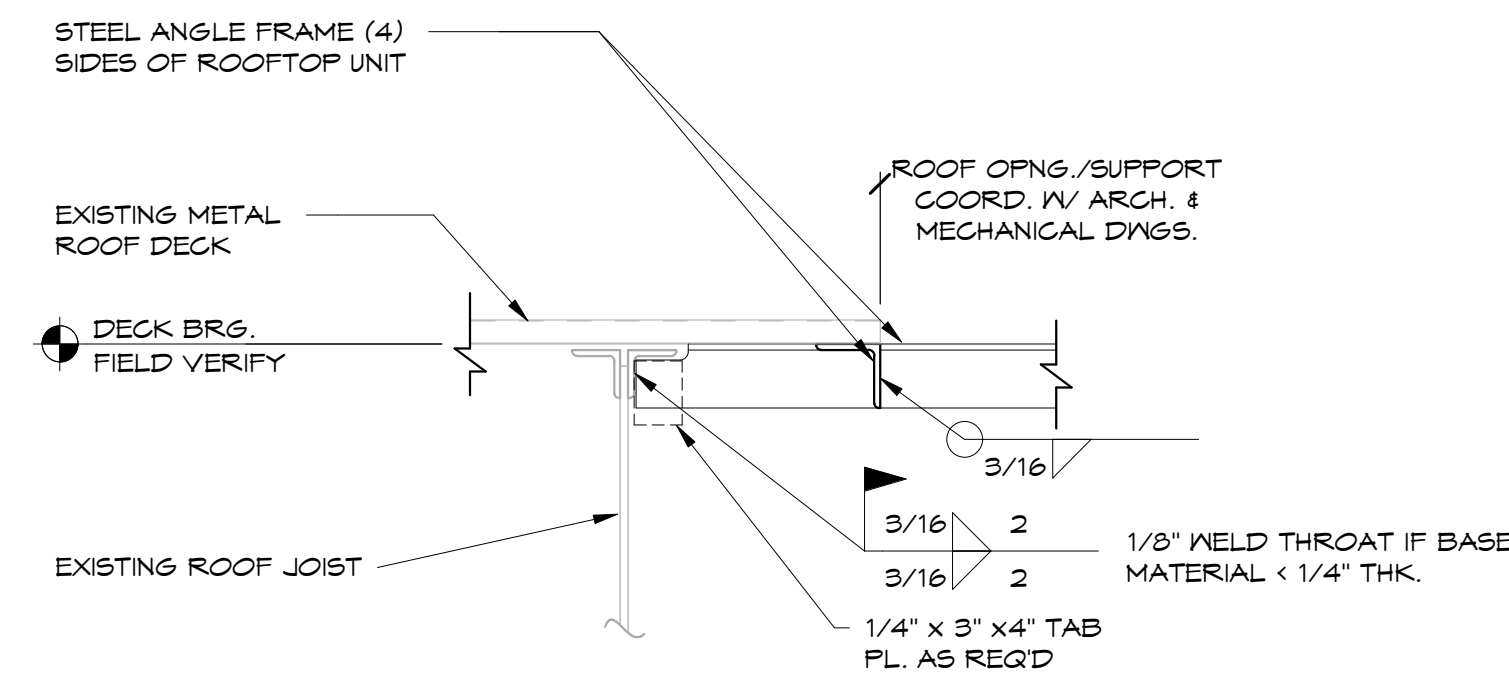
NOTE: REINF. REQ'D AT ALL LOADS GREATER THAN 45 LBS. IF LOCATED 1/4" FROM JOIST PANEL POINT.



NOTES:
1. REINF. REQUIRED AT ALL LOADS GREATER THAN 45 LBS. IF LOCATED 4" OR GREATER FROM JOIST PANEL POINT.
2. ALL ASSUMED LOADS ARE INDICATED ON FRAMING PLAN.

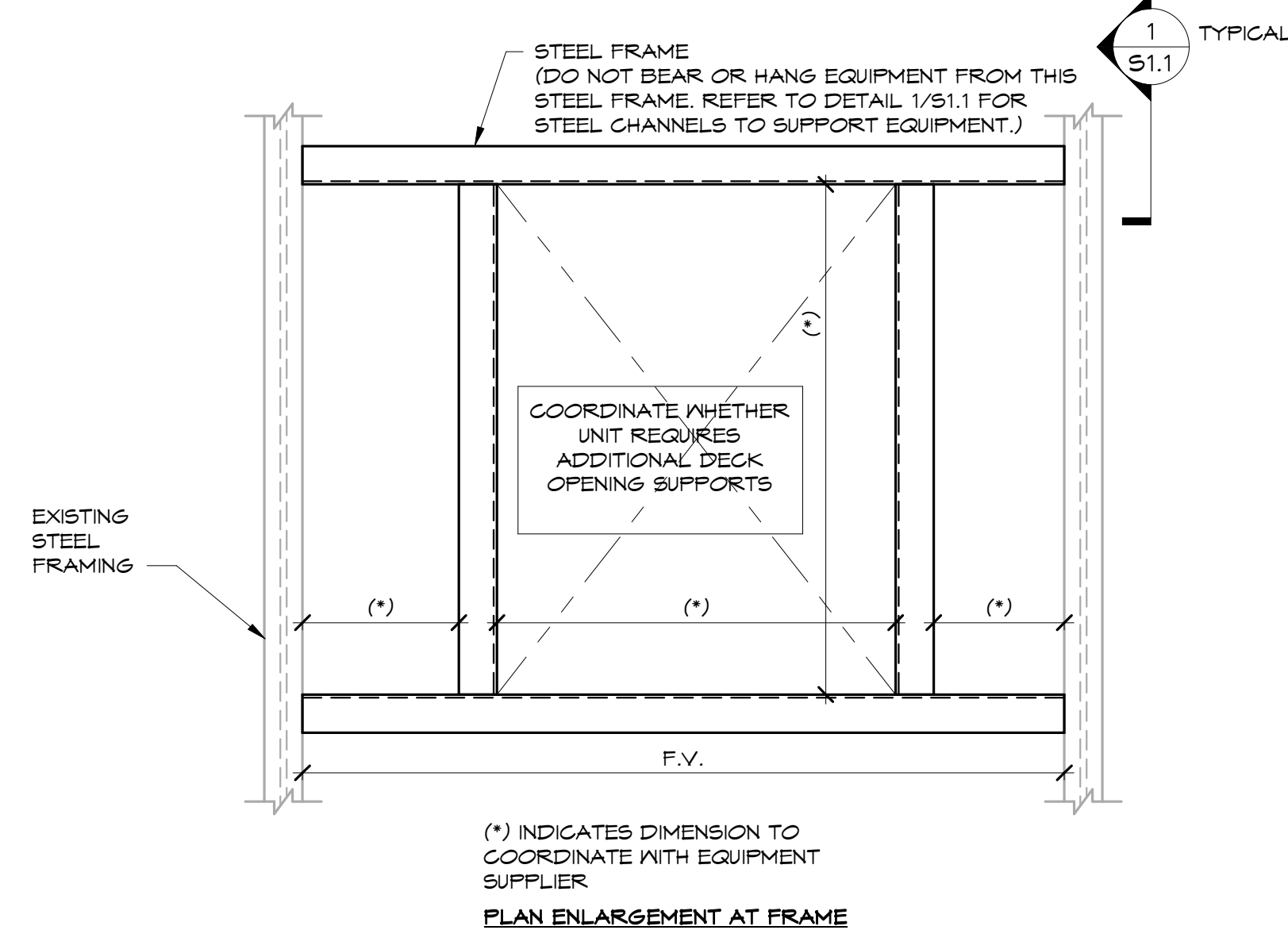
TYP. JOIST R/F DETAIL

1
S1.1
SCALE: 1" = 1'-0"



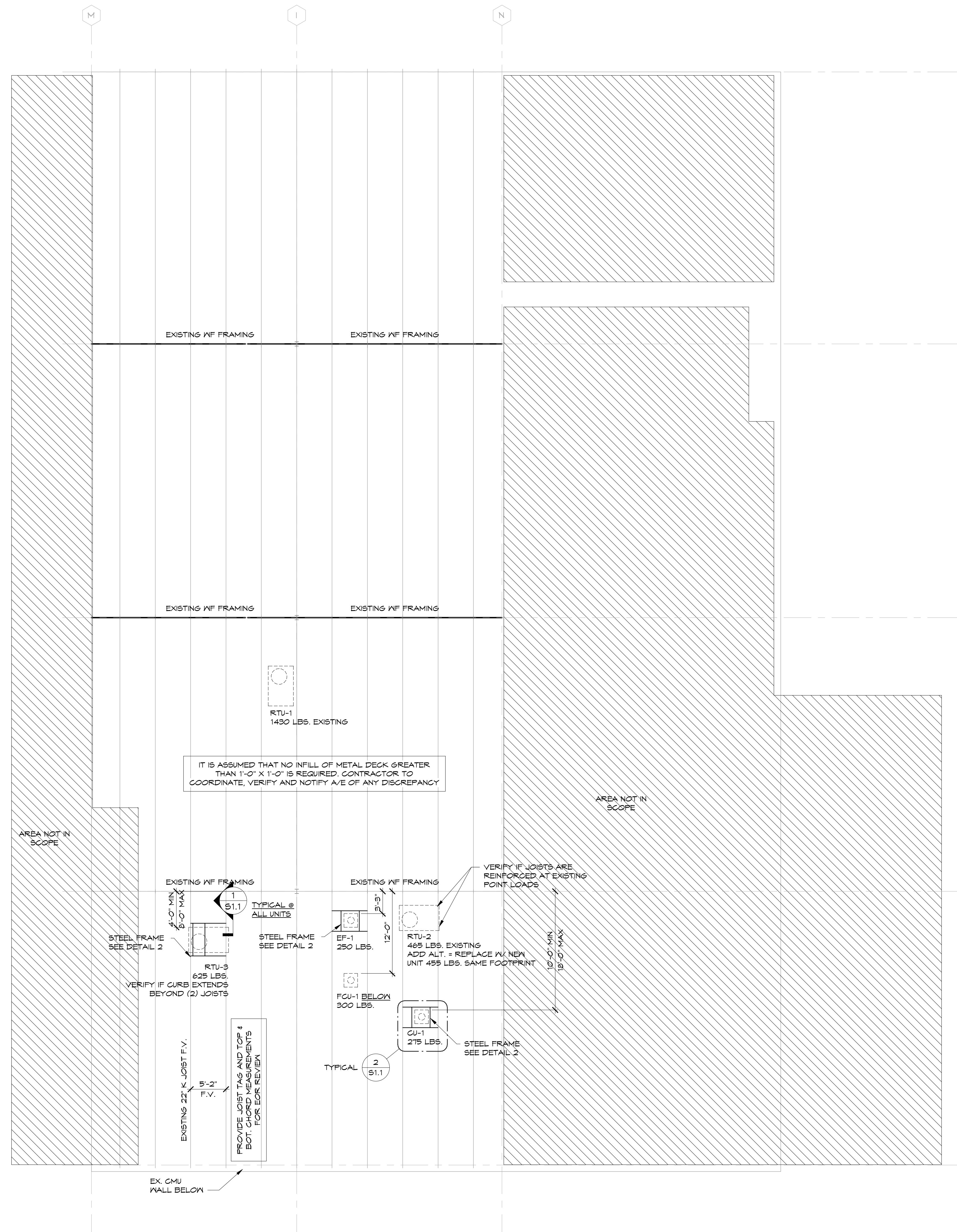
STEEL FRAME SCHEDULE	
EQUIPMENT MARK	ANGLE SIZE
EF-1, GU-1	L3x3x1/4
RTU-3	L4x4x5/16

NOTES:
1. PROVIDE BLOCKING UNDER DECK FLUTES SUPPORTING MECHANICAL CURB.
2. ATTACHMENT OF MECHANICAL EQUIPMENT OR CURB TO STEEL SUPPORTS IS NOT BY PERFORMA, INC.
3. SEE ROOF PLAN NOTE 'A' FOR DECK FASTENING TO STEEL.



ROOF OPENING FRAME

2
S1.1
SCALE: 1" = 1'-0"



ROOF FRAMING PLAN NOTES

- A. AT DECK INFILL SMALLER THAN 1'-0" X 1'-0":
 - PROVIDE 16 GA. GALVANIZED SHEET STEEL, 50 KSI MATERIAL.
 - FASTEN TO STEEL SUPPORTS WITH MILTI X-EDN18 THQ12, X-ENF14 L15 OR HSN24 FASTENERS AT 4" O.C. SELECT FASTENER FOR BASE MATERIAL THICKNESS.
 - LAP TO EXISTING DECK 4" AND FASTEN W/ #12 TEK SCREWS @ 9" O.C. FULL PERIMETER.
- B. REFERENCE ELEVATION AT FINISHED FLOOR = 100'-0". VERIFY EXISTING TOP OF STEEL ELEVATION +/- 120'-0".
- C. SUPPORT FOR ROOFTOP EQUIPMENT:
 - VERIFY ALL SIZES AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS AND MECHANICAL CONTRACTOR.
 - NOTIFY EOR IF HEIGHTS OR LOCATIONS DIFFER FROM THOSE NOTED AS STRUCTURAL RE-DESIGN AND STEEL REINFORCEMENT MAY BE REQUIRED. INDICATED RE-DESIGN IF REQUIRED MAY TAKE (5) BUSINESS DAYS TO COMPLETE. COORDINATE AS REQUIRED PRIOR TO EQUIPMENT SHIPMENT TO PROJECT SITE.
 - STRUCTURAL EOR TAKES NO RESPONSIBILITY FOR CHANGES TO EQUIPMENT AS INDICATED, WITHOUT WRITTEN NOTIFICATION AND NOTED TIME FOR EVALUATION.
 - 22K6 EQUIVALENT AT 9'-2" SPACING HAS BEEN ASSUMED. PROVIDE JOIST TAG, JOIST CENTERLINE SPACINGS, AND TOP 4 BOT. CHORD MEASUREMENTS FOR EOR REVIEW.
 - REINFORCE EXISTING JOISTS FOR POINT LOADS PER DETAIL 1 THIS SHEET.
 - ATTACHMENTS AND CONNECTIONS OF ALL EQUIPMENT TO THE STRUCTURE SHALL BE DESIGNED AND ENGINEERED BY THE MEP SUBCONTRACTORS AND EQUIPMENT MANUFACTURERS. REFER TO GENERAL NOTES SECTION 'A' NOTE '15' FOR MORE INFORMATION.
 - HANGING EQUIPMENT SHALL BE SUPPORTED FROM MISC STEEL AND/OR UNISTRUT THAT ATTACHES TO THE JOIST PANEL POINTS. REFER TO DETAIL 1/5.1.1 FOR SUPPORT LOCATIONS THAT ARE OFFSET FROM THE JOIST PANEL POINTS. ALL HANGING EQUIPMENT SUB-STRUCTURE SHALL BE DESIGNED & PROVIDED BY THE MEP SUBCONTRACTORS.

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	12.20.2021



EMORY MCCM EXPANSION
Emory University
1762 CLIFTON ROAD, SUITE 1600
ATLANTA, GA 30322



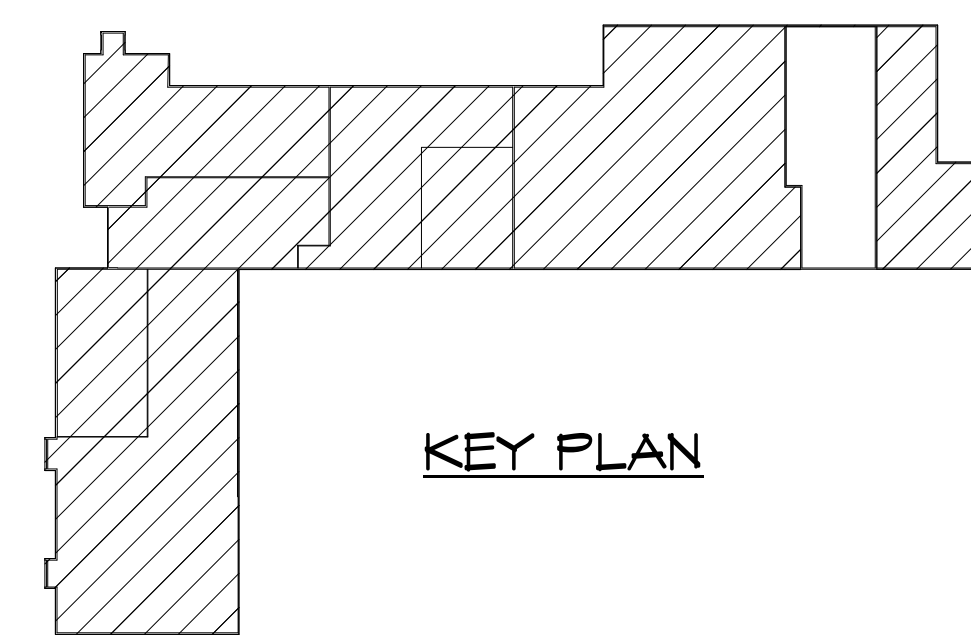
Performa
1401 Peachtree Street, Suite 300
Atlanta, GA 30309
404.526.8000
performa.com | PERFORMA2019

ROOF FRAMING PLAN

DATE	DM	CHKD	RAD
08/19/21			As indicated
S1.1			
PROJECT NO.	21090	REV	1

FLAN NORTH **ROOF FRAMING PLAN**
SCALE: 1/8" = 1'-0"

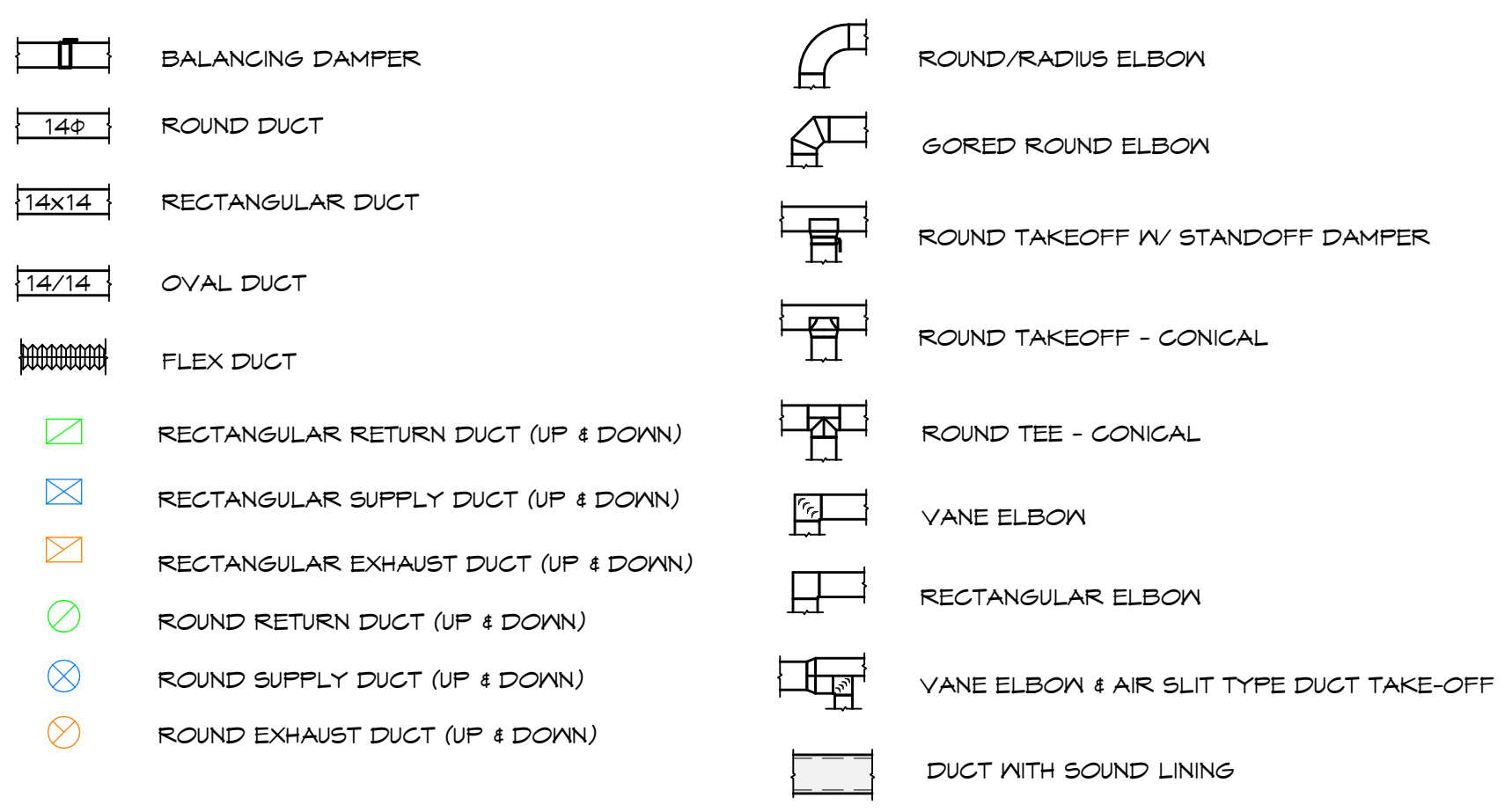
ISSUED FOR CONSTRUCTION



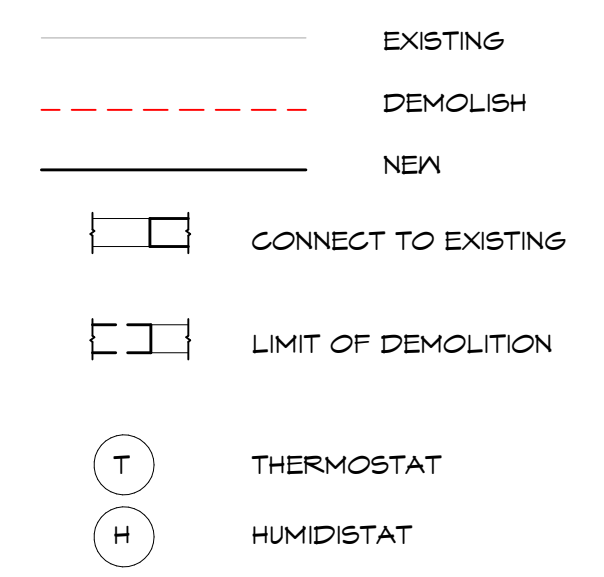
ABBREVIATIONS

Table of abbreviations categorized by letter (A through V), including terms like ARCHITECT, AIR FLOW MEASURING DEVICE, and BACKDRAFT DAMPER.

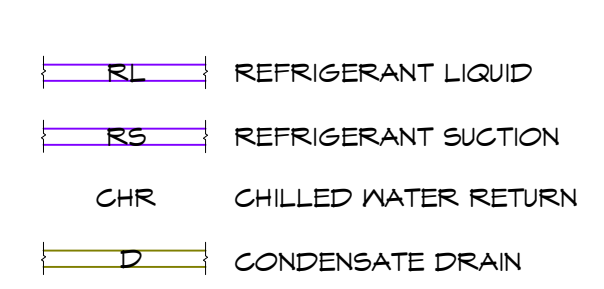
DUCTWORK SYMBOLS



GENERAL SYMBOLS



PIPING SYMBOLS



GENERAL MECHANICAL NOTES

- List of general mechanical notes including: PROVIDE MISCELLANEOUS METALS AND MATERIALS FOR A COMPLETE INSTALLATION; PROVIDE EQUIPMENT SUBMITTAL FOR REVIEW; PRIOR TO SUBMISSION OF BID, REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS; PROVIDE DUCT ACCESS DOORS FOR EQUIPMENT AND DEVICES; FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS; EQUIPMENT, HVAC DUCTS, PIPING AND OTHER DEVICES AND MATERIALS INSTALLED OUTDOORS OR EXPOSED TO WEATHER SHALL BE WEATHER PROOF; PROVIDE MANUAL VOLUME DAMPERS AT EACH GRILLE, REGISTER, AND DIFFUSER; INSTALL EQUIPMENT WITH SUFFICIENT ACCESS TO PANELS, ELECTRICAL CONNECTIONS, CONTROLS, FILTERS, MOTORS, ETC.; VERIFY DIFFUSERS, GRILLES, AND REGISTER MOUNTING FRAME TYPES WITH CONSTRUCTION TYPE AND CONFIGURATION; PROTECT AND ISOLATE DUCTS STORED ON CONSTRUCTION SITE FROM DUST CONTAMINATION; COORDINATE LOCATION OF SENSORS AND THERMOSTATS WITH ARCHITECT; SEE EQUIPMENT SCHEDULES FOR BRANCH PIPE SIZES TO EQUIPMENT; COORDINATE WITH DIVISION 26 FOR LOCATION OF POWER AND LOCAL DISCONNECTS; MAINTAIN MINIMUM ELECTRICAL CODE AND UNIT MANUFACTURER'S CLEARANCES.

GENERAL DEMOLITION NOTES

- List of general demolition notes including: VERIFY CONDITION OF EXISTING EQUIPMENT, EXACT SIZES AND LOCATION OF EXISTING DUCTS AND PIPING; SCHEDULE NEW AND DEMOLITION WORK IN ADVANCE WITH OWNER; REMOVE EXISTING HVAC EQUIPMENT AND ASSOCIATED MATERIALS AS SHOWN AND TURN OVER TO OWNER OR REMOVE FROM SITE; COORDINATE CEILING REMOVAL WHICH IS REQUIRED FOR ACCESS TO WORK THAT IS NOT DESIGNATED FOR REMOVAL; NOTIFY OWNER UPON DISCOVERY OF ANY DUCT DEBRIS, MOLD, ETC. THAT REQUIRE ADDITIONAL CLEANING PRIOR TO RECONNECTING TO NEW DUCTS.

SHEET INDEX

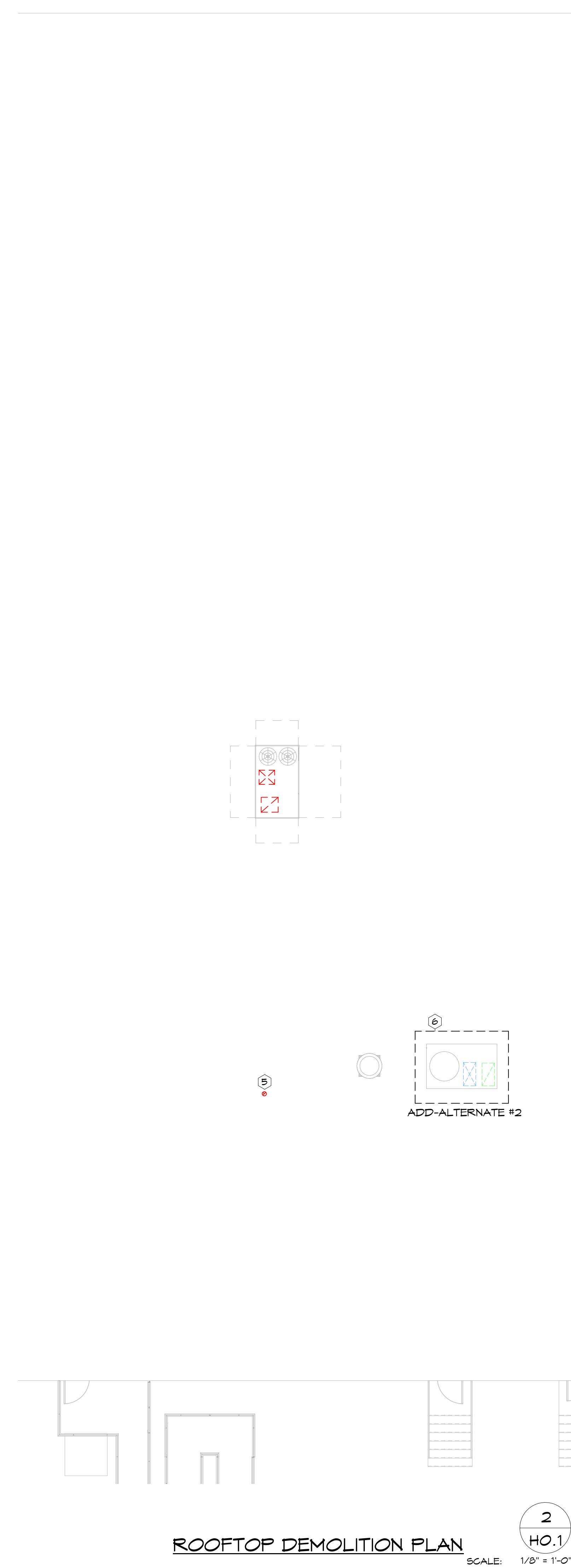
- HN1.1 MECHANICAL ABBREVIATIONS AND SYMBOLS
H0.1 MECHANICAL DEMOLITION PLANS
H1.1 MECHANICAL NEW WORK PLANS
H2.1 MECHANICAL SCHEDULES
H2.2 MECHANICAL DETAILS

DUCTWORK INSULATION SCHEDULE table with columns: SYSTEM / LOCATION, MIN R-VALUE, and NOTES. Includes rows for SUPPLY DUCT / UNCONDITIONED SPACE, RETURN DUCT / UNCONDITIONED SPACE, and various EXHAUST / EXPOSED scenarios.

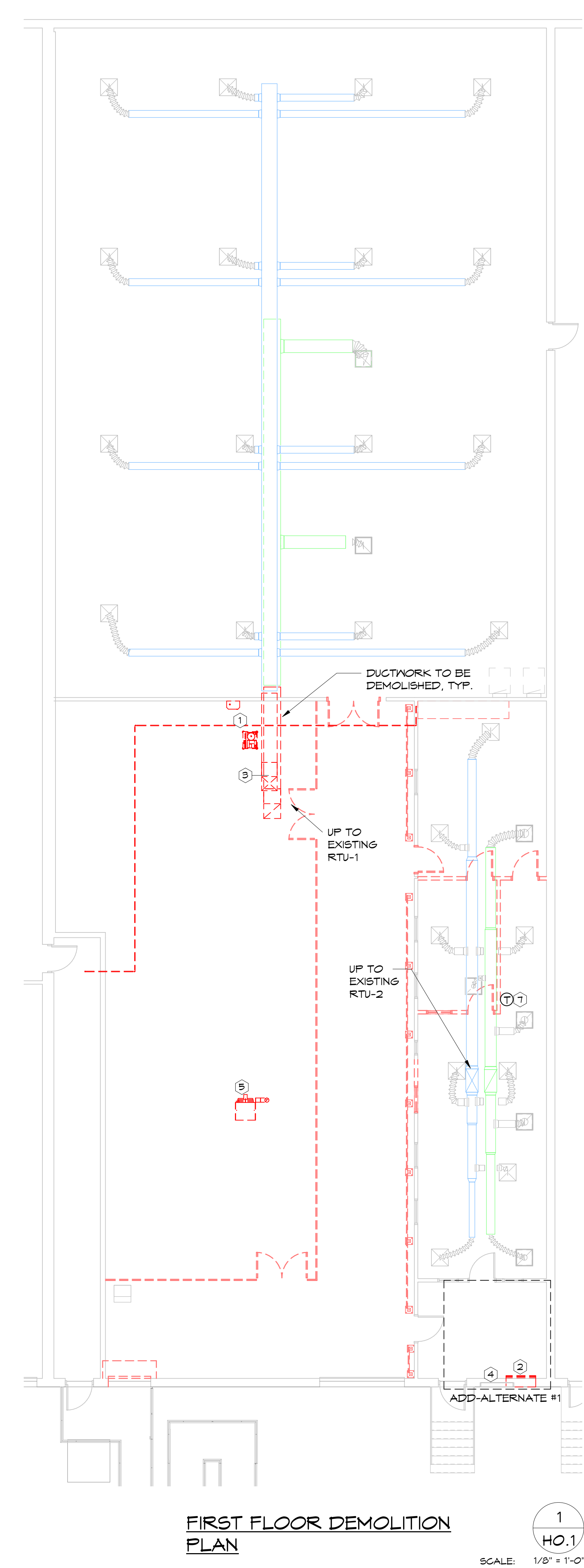
PIPE INSULATION SCHEDULE table with columns: FLUID OPERATING TEMPERATURE RANGE (°F), MEAN RATING TEMPERATURE (°F), and NOMINAL PIPE OR TUBE SIZE (INCHES) & MINIMUM R-VALUE. Includes rows for 141-200, 105-140, and 40-60 temperature ranges.

Vertical sidebar containing: DATE (08.19.2021), DESCRIPTION (ISSUED FOR PERMIT), NO. (1), PROFESSIONAL SEAL (EMORY UNIVERSITY), EMORY FM RELOCATION, Emory University logo and address (1762 CLIFTON ROAD, SUITE 1600, ATLANTA, GA 30322), EMORY UNIVERSITY logo, ISSUED FOR CONSTRUCTION, MECHANICAL ABBREVIATIONS AND SYMBOLS, and DRAWING NO. HN1.1.

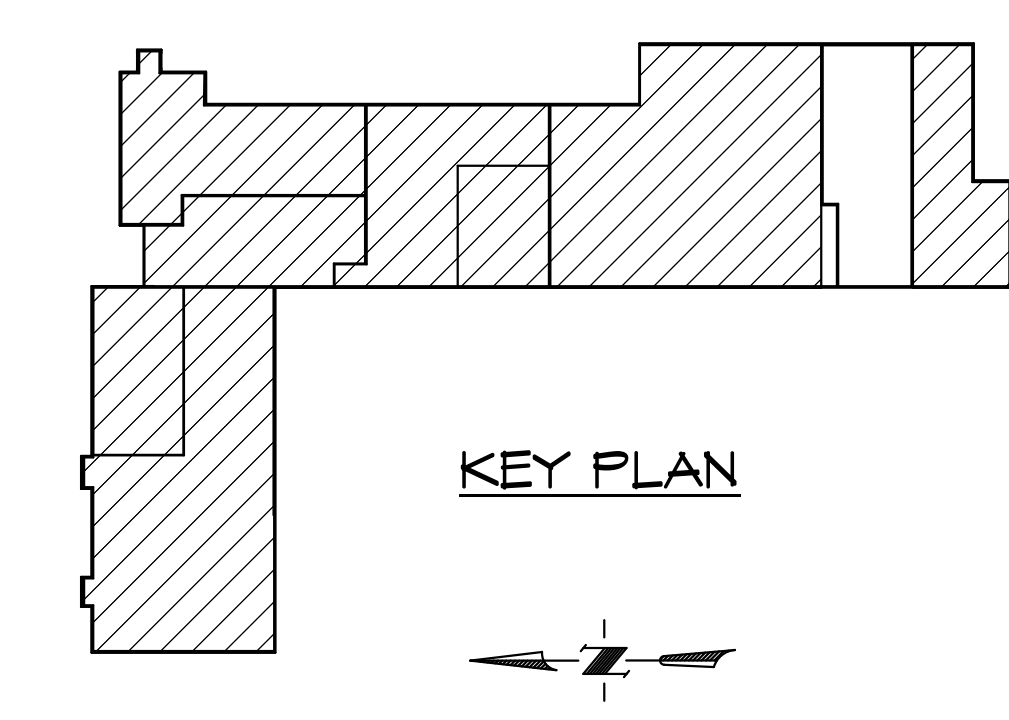
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ROOFTOP DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
2
H0.1



FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
1
H0.1



KEY PLAN

GENERAL NOTES

- A. DUCT DIMENSIONS SHOWN REPRESENT INTERNAL FREE AREA.
- B. ADD-ALTERNATES.
 - ADD-ALTERNATE #1: THE ENTRY LOBBY WILL HAVE A RESTROOM INSTALLED. PROVIDE NEW FAN AND 8" DIA. DIFFUSER. EXHAUST REGISTER TO NEW PLENUM ON EXISTING LOUVER.
 - ADD-ALTERNATE #2: REPLACE EXISTING RTU-2. SEE ADD-ALTERNATE #2 RTU SCHEDULE FOR NEW RTU REQUIREMENTS.
- C. TESTING AND BALANCING CONTRACTOR IS TO BE AIR ANALYSIS, INC. COORDINATE ALL REQUIREMENTS WITH UNIVERSITY AND TAB CONTRACTOR BEFORE NEW CONSTRUCTION BEGINS.
- D. COORDINATE ALL REQUIREMENTS FOR MAINTAINING ROOF STRUCTURE WARRANTY WITH ROOFING CONTRACTOR.
- E. COORDINATE ALL THERMOSTAT/SENSOR LOCATIONS WITH HUMIDIFIER MANUFACTURER REQUIREMENTS AND RECOMMENDATIONS.

KEY NOTES

- 1. EXISTING HUMIDIFIER AND DUCTWORK DISPERSION TUBE ARE TO BE RELOCATED. RETAIN WATER SOFTENER AND STRAINER FOR RE-USE. DEMOLISH ABANDONED HUNG WATER HEATER.
- 2. EXISTING PTAC UNIT IS TO BE DEMOLISHED IF ADD-ALTERNATE #1 IS ACCEPTED. IF ADD-ALTERNATE #1 IS NOT ACCEPTED, PTAC UNIT IS TO REMAIN. COORDINATE WITH OWNER.
- 3. EXISTING DUCTWORK TO BE DEMOLISHED. CAP OPEN ENDS UNTIL READY TO CONNECT TO NEW.
- 4. EXISTING LOUVER IS TO BE BLANKED OFF OTHER THAN 1" IN ELEVATION. PROVIDE INSULATED PLENUM FOR CONNECTION TO RESTROOM EXHAUST. IF ADD-ALTERNATE #1 IS NOT ACCEPTED, UTILIZE PLENUM FOR FCU-1 OUTSIDE AIR.
- 5. EXISTING UNIT HEATER IS TO BE DEMOLISHED. DEMOLISH GAS CONNECTION TO BRANCH AND CAP. DEMOLISH FLUE. ROOFING CONTRACTOR IS TO REPAIR ROOF. COORDINATE WITH BUILDING OWNER.
- 6. EXISTING ROOF TOP UNIT IS TO BE INSPECTED AND SERVICED TO LIKE-NEW CONDITION. IF UNIT IS IN DISREPAIR, PROCEED WITH ADD-ALTERNATE #2. COORDINATE WITH OWNER.
- 7. EXISTING THERMOSTAT TO BE RELOCATED.

DATE	08/19/2021	DESCRIPTION		NO.	1		
EMORY FM RELOCATION Emory University 1762 CLIFTON ROAD, SUITE 1600 ATLANTA, GA 30322							
Performa 1401 Peachtree St NE Suite 300 Atlanta, GA 30309 404.536.8006							
MECHANICAL DEMOLITION PLANS							
ISSUED FOR CONSTRUCTION							
DRAWN	BHC	CHKD	SM				
DATE	08/19/21	SCALE					
DRAWING NO. H0.1							
PROJECT NO.	21090	REV.					
1							

BUILDING MANAGEMENT SYSTEM

AN INDEPENDENT CONTROLS CONTRACTOR IS TO PROVIDE A BMS THAT WILL BE COMPATIBLE WITH THE EMORY CAMPUS WIDE INTRANET AND BE ACCESSIBLE THROUGH THE CENTRAL MONITORING STATION ON CAMPUS. EQUIPMENT NOTED BELOW IS TO COMPLY WITH ALL CONTROLS REQUIREMENTS OF THE EMORY DESIGN AND CONSTRUCTION STANDARDS WHERE POSSIBLE OTHER THAN THE SEQUENCES WHICH ARE DESCRIBED BELOW. CONTROLS CONTRACTOR IS TO UPDATE ALL GRAPHICS FOR NEW EQUIPMENT AND ASSOCIATED CONTROLS. THE BAS SHALL MEASURE AND MONITOR THE SPACE TEMPS AND HUMIDITIES, AND SEND A SIGNAL TO THE ASSOCIATED HVAC SYSTEMS AND HUMIDIFIER.

THE CONTROLS CONTRACTOR IS TO PROVIDE AN ALTERNATE BID BASED ON PROVIDING ONLY LOCAL CONTROL THAT WILL ACHIEVE THE RTU-1 & H-1 SEQUENCING DESCRIBED BELOW.

EQUIPMENT INFORMATION

EXISTING EQUIPMENT TO REMAIN OR BE RELOCATED:

- RTU-1 (THIS IS THE RTU SERVING THE ARTIFACT STORAGE)
- LENNOX "EMERGENCE" MODEL# LGH20H4B696
 - HOT GAS REHEAT, "HUMIDTRG"
 - 2 POSITION OUTSIDE AIR DAMPER FOR DEMAND CONTROL VENTILATION.
 - CONSTANT VOLUME SUPPLY FAN.
 - MANUAL OUTSIDE AIR DAMPER.
 - ELECTRIC HEAT.

RTU-2 (THIS IS THE RTU SERVING THE OFFICE SPACE)

- TRANE "PRECEDENT" MODEL# YHG093
- GAS HEAT.
- R22.

H-1 (THIS IS THE HUMIDIFIER CURRENTLY DISPERSING INTO THE RTU-1 DUCTWORK)

- DRISTEAM LOW MAINTANANCE HUMIDIFIER W/ WATER TREATMENT PACKAGE.
- HUMIDIFIER MODEL# VMDH-6

NEW EQUIPMENT:

RTU-3:

- TRANE.

FCU/CU-1:

- LIEBERT MINIMATE WITH HUMIDIFICATION SECTION.

EDH-1:

- DUCT HEATER.

SEQUENCES:

RTU-1 & H-1

1. PROVIDE ACTUATOR AT OUTSIDE AIR INTAKE OF RTU-1. INTAKE WILL BE NORMALLY CLOSED AND WILL ONLY OPEN WHEN THERE IS A CALL FOR COOLING OR HEATING.
2. WHEN THERE IS NO CALL FOR COOLING OR HEATING AND THERE IS A CALL FOR HUMIDIFICATION RTU-1 WILL RUN THE SUPPLY FAN.
3. THE RTU-1 SUPPLY FAN WILL HAVE A 12 MINUTE OFF DELAY WHICH WILL BE OVERRIDDEN BY ANY CALL FOR CONDITIONING.
4. WHEN DEHUMIDIFICATION OR HUMIDIFICATION CEASES, THERE WILL BE A 10 MINUTE LOCKOUT PERIOD FOR THE ALTERNATE HUMIDITY CYCLE. THE ALTERNATE CYCLE WILL ONLY RUN IF THERE IS STILL A CALL AT THE END OF THE LOCKOUT PERIOD.
5. DELAY AND LOCKOUT TIMES WILL BE ADJUSTABLE AT THE FRONT END OF THE BMS.
6. SETPOINTS WILL BE CONSTANT 24/7. NO UNOCCUPIED MODES.
7. UNLESS COORDINATED OTHERWISE, SPACE SETPOINTS ARE TO BE 72F WITH 50% RH +/- 5%.
8. FOR EXISTING HUMIDIFIER BAGNET CAPABILITY REQUIREMENTS CONTACT THERMAL RECOVERY SYSTEMS - T70-9B94-9100.

FCU/CU-1 & EDH-1

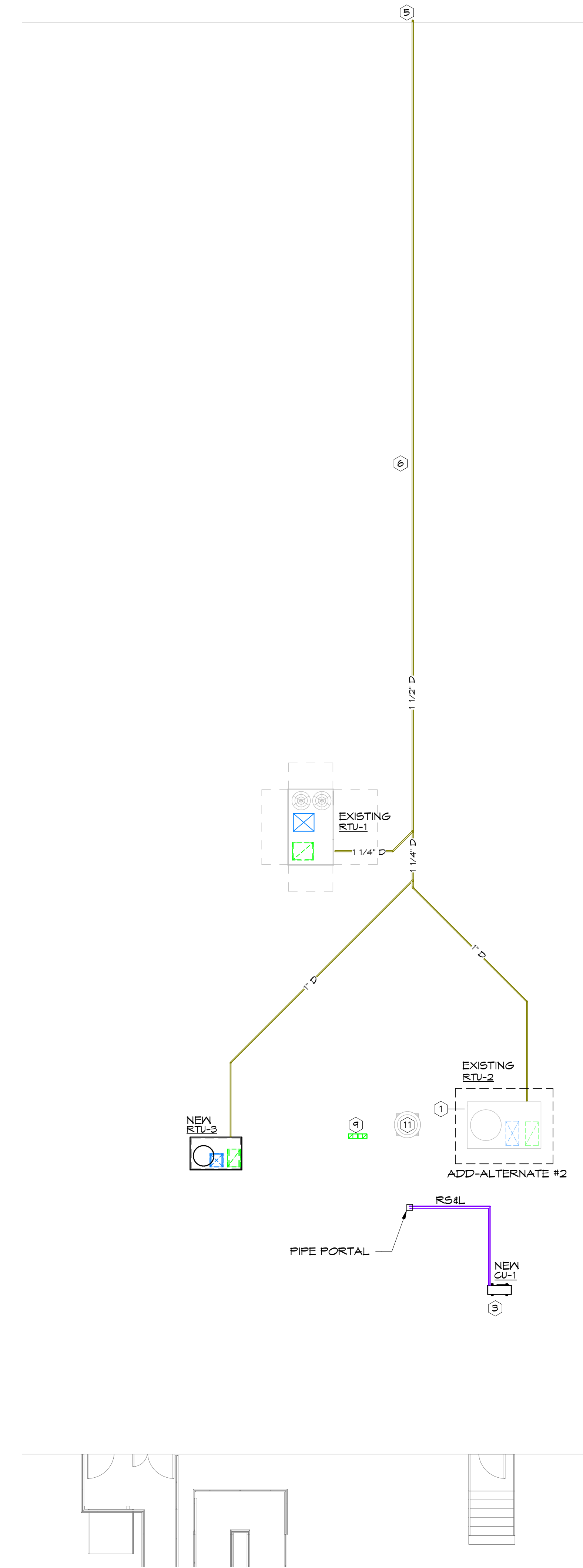
1. COOLING AND HUMIDITY SEQUENCES WILL BE LOCAL. SYSTEM WILL BE TIED INTO BMS FOR MONITORING AND SETPOINT ADJUSTMENT. EDH-1 CONTROL WILL BE SEPARATE FROM FCU/CU-1.
2. SETPOINTS WILL BE CONSTANT 24/7. NO UNOCCUPIED MODES.
3. UNLESS COORDINATED OTHERWISE, SPACE SETPOINTS ARE TO BE 72F WITH 50% RH +/- 5%.

RTU-2

1. UNOCCUPIED SETPOINTS WILL BE NO GREATER THAN 75F AND NO LOWER THAN 65F.

RTU-3

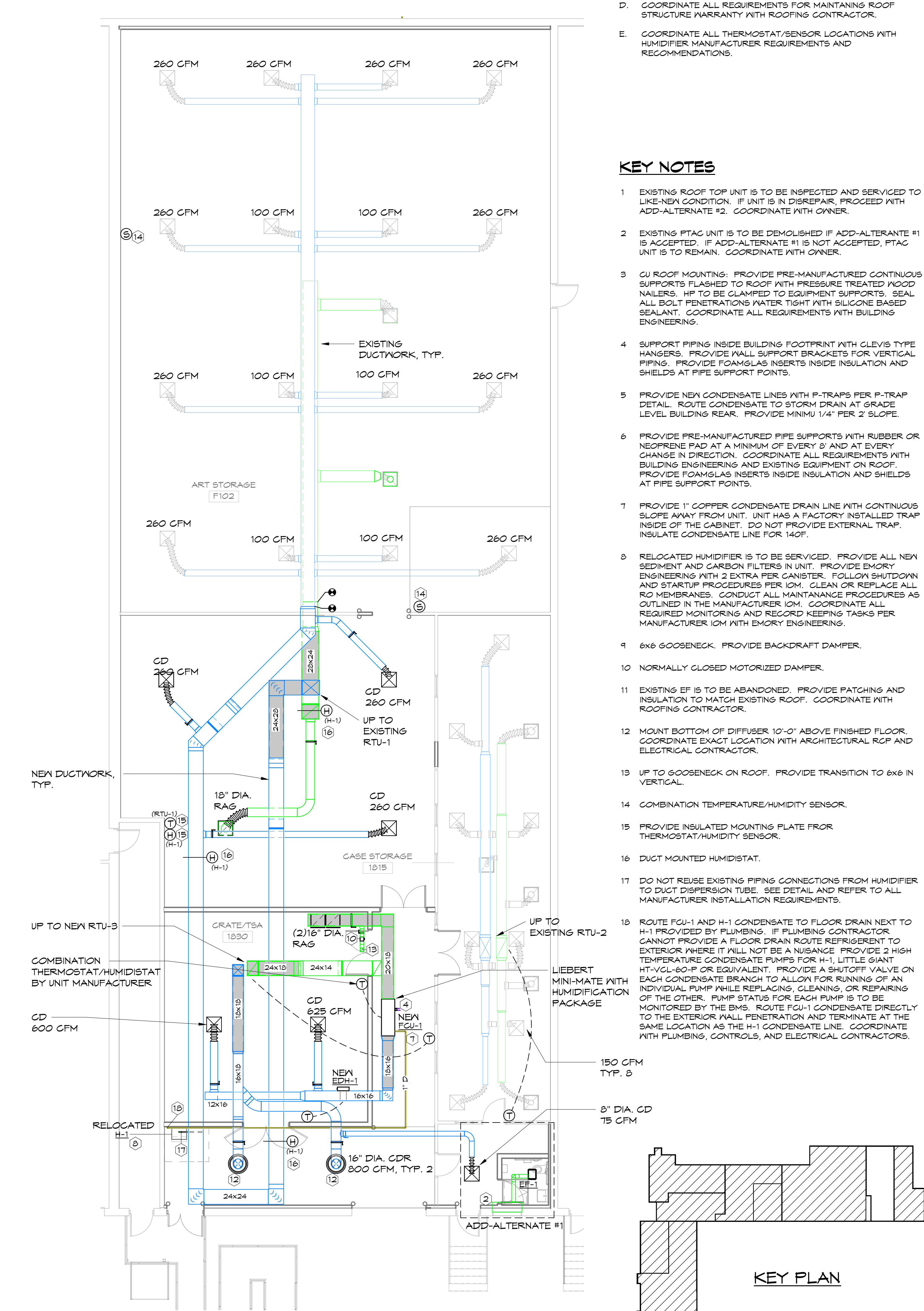
1. COOLING, HEATING AND DEHUMIDIFICATION SEQUENCES WILL BE LOCAL. SYSTEM WILL BE TIED INTO BMS FOR MONITORING AND SETPOINT ADJUSTMENT.
2. SETPOINTS WILL BE CONSTANT 24/7. NO UNOCCUPIED MODES.
3. SPACE SETPOINTS ARE TO BE 72F WITH MAXIMUM 50% RH.



ROOFTOP MECHANICAL PLAN
1800

2
H1.1

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



FIRST FLOOR MECHANICAL PLAN

1
H1.1

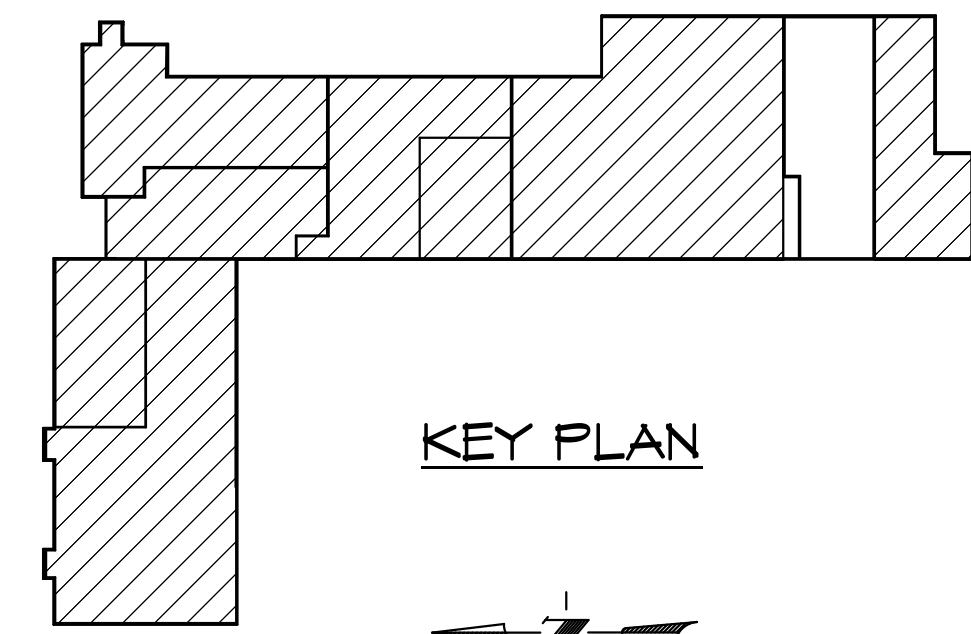
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A. DUCT DIMENSIONS SHOWN REPRESENT INTERNAL FREE AREA.
- B. ADD-ALTERNATES.
 - ADD-ALTERNATE #1: THE ENTRY LOBBY WILL HAVE A RESTROOM INSTALLED. PROVIDE NEW FAN AND 8" DIA. DIFFUSER. EXHAUST REGISTER TO NEW PLENUM ON EXISTING LOUVER.
 - ADD-ALTERNATE #2: REPLACE EXISTING RTU-2. SEE ADD-ALTERNATE #2 RTU SCHEDULE FOR NEW RTU REQUIREMENTS.
- C. TESTING AND BALANCING CONTRACTOR IS TO BE AIR ANALYSIS, INC. COORDINATE ALL REQUIREMENTS WITH UNIVERSITY AND TAB CONTRACTOR BEFORE NEW CONSTRUCTION BEGINS.
- D. COORDINATE ALL REQUIREMENTS FOR MAINTAINING ROOF STRUCTURE WARRANTY WITH ROOFING CONTRACTOR.
- E. COORDINATE ALL THERMOSTAT/SENSOR LOCATIONS WITH HUMIDIFIER MANUFACTURER REQUIREMENTS AND RECOMMENDATIONS.

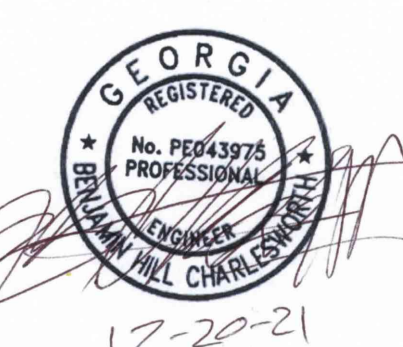


KEY NOTES

1. EXISTING ROOF TOP UNIT IS TO BE INSPECTED AND SERVICED TO LIKE-NEW CONDITION. IF UNIT IS IN DISREPAIR, PROCEED WITH ADD-ALTERNATE #2. COORDINATE WITH OWNER.
2. EXISTING PTAC UNIT IS TO BE DEMOLISHED IF ADD-ALTERNATE #1 IS ACCEPTED. IF ADD-ALTERNATE #1 IS NOT ACCEPTED, PTAC UNIT IS TO REMAIN. COORDINATE WITH OWNER.
3. CU ROOF MOUNTING: PROVIDE PRE-MANUFACTURED CONTINUOUS SUPPORTS FLASHED TO ROOF WITH PRESSURE TREATED WOOD VALERS. HP TO BE CLAMPED TO EQUIPMENT SUPPORTS. SEAL ALL BOLT PENETRATIONS WATER TIGHT WITH SILICONE BASED SEALANT. COORDINATE ALL REQUIREMENTS WITH BUILDING ENGINEERING.
4. SUPPORT PIPING INSIDE BUILDING FOOTPRINT WITH CLEVIS TYPE HANGERS. PROVIDE WALL SUPPORT BRACKETS FOR VERTICAL PIPING. PROVIDE FOAMGLAS INSERTS INSIDE INSULATION AND SHIELDS AT PIPE SUPPORT POINTS.
5. PROVIDE NEW CONDENSATE LINES WITH P-TRAPS PER P-TRAP DETAIL. ROUTE CONDENSATE TO STORM DRAIN AT GRADE LEVEL BUILDING REAR. PROVIDE MINIMUM 1/4" PER 2' SLOPE.
6. PROVIDE PRE-MANUFACTURED PIPE SUPPORTS WITH RUBBER OR NEOPRENE PAD AT A MINIMUM OF EVERY 8' AND AT EVERY CHANGE IN DIRECTION. COORDINATE ALL REQUIREMENTS WITH BUILDING ENGINEERING AND EXISTING EQUIPMENT ON ROOF. PROVIDE FOAMGLAS INSERTS INSIDE INSULATION AND SHIELDS AT PIPE SUPPORT POINTS.
7. PROVIDE 1" COPPER CONDENSATE DRAIN LINE WITH CONTINUOUS SLOPE AWAY FROM UNIT. UNIT HAS A FACTORY INSTALLED TRAP INSIDE OF THE CABINET. DO NOT PROVIDE EXTERNAL TRAP. INSULATE CONDENSATE LINE FOR 140F.
8. RELOCATED HUMIDIFIER IS TO BE SERVICED. PROVIDE ALL NEW SEDIMENT AND CARBON FILTERS IN UNIT. PROVIDE EMORY ENGINEERING WITH 2 EXTRA PER GANISTER. FOLLOW SHUTDOWN AND STARTUP PROCEDURES PER IOM. CLEAN OR REPLACE ALL RO MEMBRANES. CONDUCT ALL MAINTANANCE PROCEDURES AS OUTLINED IN THE MANUFACTURER IOM. COORDINATE ALL REQUIRED MONITORING AND RECORD KEEPING TASKS PER MANUFACTURER IOM WITH EMORY ENGINEERING.
9. 6x6 GOOSENECK. PROVIDE BACKDRAFT DAMPER.
10. NORMALLY CLOSED MOTORIZED DAMPER.
11. EXISTING EIF IS TO BE ABANDONED. PROVIDE PATCHING AND INSULATION TO MATCH EXISTING ROOF. COORDINATE WITH ROOFING CONTRACTOR.
12. MOUNT BOTTOM OF DIFFUSER 10'-0" ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL, RCP AND ELECTRICAL CONTRACTOR.
13. UP TO GOOSENECK ON ROOF. PROVIDE TRANSITION TO 6x6 IN VERTICAL.
14. COMBINATION TEMPERATURE/HUMIDITY SENSOR.
15. PROVIDE INSULATED MOUNTING PLATE FOR THERMOSTAT/HUMIDITY SENSOR.
16. DUCT MOUNTED HUMIDISTAT.
17. DO NOT REUSE EXISTING PIPING CONNECTIONS FROM HUMIDIFIER TO DUCT DISPERSION TUBE. SEE DETAIL AND REFER TO ALL MANUFACTURER INSTALLATION REQUIREMENTS.
18. ROUTE FCU-1 AND H-1 CONDENSATE TO FLOOR DRAIN NEXT TO H-1 PROVIDED BY PLUMBERS. IF PLUMBER CONTRACTOR CANNOT PROVIDE A FLOOR DRAIN ROUTE REFRIGERANT TO EXTERIOR WHERE IT WILL NOT BE A NUISANCE PROVIDE 2 HIGH TEMPERATURE CONDENSATE PUMPS FOR H-1, LITTLE GIANT HT-VGL-80-FR OR EQUIVALENT. PROVIDE A SHUTOFF VALVE ON EACH CONDENSATE BRANCH TO ALLOW FOR RUNNING OF AN INDIVIDUAL PUMP WHILE REPLACING, CLEANING, OR REPAIRING OF THE OTHER. PUMP STATUS FOR EACH PUMP IS TO BE MONITORED BY THE BMS. ROUTE FCU-1 CONDENSATE DIRECTLY TO THE EXTERIOR WALL PENETRATION AND TERMINATE AT THE SAME LOCATION AS THE H-1 CONDENSATE LINE. COORDINATE WITH PLUMBING, CONTROLS, AND ELECTRICAL CONTRACTORS.



KEY PLAN

ISSUED FOR CONSTRUCTION

DATE	08.19.2021
DESCRIPTION	ISSUED FOR PERMIT
NO.	1
	
EMORY FM RELOCATION Emory University 1762 CLIFTON ROAD, SUITE 1800 ATLANTA, GA 30322	
	
 1401 Peachtree Street, Suite 300 Atlanta, GA 30309 404.536.8006	
MECHANICAL NEW WORK PLANS	
TITLE	
DRAWN	BHC
DATE	08/19/21
DRAWING NO.	H1.1
PROJECT NO.	21090
SCALE	AS NOTED
REV	
NO.	1

COMcheck Software Version 4.1.1.0
Mechanical Compliance Certificate

Project Information

Energy Code: 2015 IECC
 Project Title: Atlanta, Georgia
 Location: Atlanta, Georgia
 Climate Zone: 3a
 Project Type: Alteration
 Construction Site: Owner/Agent: Designer/Contractor:

Mechanical Systems List

- Quantity System Type & Description**
- 1 RTU-3 (Single Zone w/ PermimeterSystem):
 Heating: 1 each - Central Furnace, Electric, Capacity = 59 kBtu/h
 No minimum efficiency requirement applies
 Cooling: 1 each - Single Package DX Unit, Capacity = 49 kBtu/h, Air Cooled Condenser, No Economizer, Economizer exception: Low Capacity Residential
 Proposed Efficiency = 14.20 SEER, Required Efficiency: 14.00 SEER
 Fan System: None
 - 1 RTU-2 (Single Zone):
 Heating: 1 each - Central Furnace, Gas, Capacity = 60 kBtu/h
 Proposed Efficiency = 80.00% E1, Required Efficiency: 80.00% E1 or 78% AFUE
 Cooling: 1 each - Single Package DX Unit, Capacity = 37 kBtu/h, Air Cooled Condenser, No Economizer, Economizer exception: Low Capacity Residential
 Proposed Efficiency = 14.40 SEER, Required Efficiency: 14.00 SEER
 Fan System: None
 - 1 FCU/UCU-1 (Single Zone):
 Heating: 1 each - Duct Furnace, Electric, Capacity = 54 kBtu/h
 No minimum efficiency requirement applies
 Cooling: 1 each - Computer Room AC Upflow Unit, Capacity = 32 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Low Capacity Residential
 Proposed Efficiency = 2.09 SCOP-127, Required Efficiency: 2.09 SCOP-127
 Fan System: None

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

BEN CHARLESWORTH - P.E.
 Name - Title Signature Date 08/21/2021

Project Title: 1800 COMCheck.cck
 Data filename: M:\21090 Emory Clifton - DW\Design Information\HVAC\COMCheck\Emory 1800 COMCheck\Em Page 1 of 10
 Report date: 08/12/21

DIFFUSER NECK SIZING SCHEDULE

TAG	NECK DIA.	CFM RANGE
CD (TITUS OMNI)	6"	0-100
	8"	105-225
	10"	230-350
	12"	355-500
RAG (TITUS PAR)	6"	0-55
	8"	90-150
	10"	155-300
	12"	305-490
14"	445-100	

NOTE: SIZING NOTED ON PLANS IS TO SUPERCEDE THIS SCHEDULE.

DIFFUSERS, REGISTERS, AND GRILLES

TAG	MANUFACTURER	MODEL	MATERIAL	FINISH	MOUNTING	NECK SIZE	STYLE	NOTES
CD	TITUS	TM5A	STEEL	STANDARD WHITE	ACT	SEE NECK SIZING SCHEDULE	LOUVERED FACE	1
CDR	TITUS	TMRA	STEEL	STANDARD WHITE	DUCT	SEE NECK SIZING SCHEDULE	LOUVERED FACE	1
RAG	TITUS	PAR	STEEL	STANDARD WHITE	ACT	SEE NECK SIZING SCHEDULE	PERFORATED FACE W/ NECK	1

1. PROVIDE APPROPRIATE FRAME/BORDER/FLANGE FOR PROPER MOUNTING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SURFACES IN WHICH GRILLES, REGISTERS, AND DIFFUSERS ARE LOCATED.

OUTSIDE AIR SCHEDULE
(ASHRAE 62.1, IMC 2015)

UNIT	ROOM	AREA	CFM/SGFT	PEOPLE	CFM/PERSON	EFFECT	TOTAL
RTU-1	ART STORAGE	6241	0.06	0	N/A	0.0	469
	TOTAL	6241					470
RTU-2	CASE STG	1023	0.06	2	5	0.0	90
	TOTAL	1023					90
RTU-3	VESTIBULE/LOADING	494	0.06	2	N/A	0.0	37.1
	TOTAL	494					40
FCU-1	CRATE/TSA	752	0.06	1	5	0.0	65
	TOTAL	752					65

RTU-1: 470 CFM OA
 RTU-2: 90 CFM OA
 RTU-3: 40 CFM OA
 FCU-1: 65 CFM OA

ELECTRIC DUCT HEATER

UNIT NO.	LOCATION	CAPACITY (KW)	VOLT/PH	STAGES	MANUFACTURER	NOTES
EDH-1	CRATE/TSA AC	6	480/3	2	THERMOLEC	1,2,3

1. AIRFLOW PROVING SWITCH.
 2. INTEGRAL DISCONNECT.
 3. THERMOSTAT TO TIE INTO BMS.

FAN SCHEDULE (ADD-ALTERNATE #1)

UNIT NO.	SERVICE	TYPE	CFM	DRIVE	RPM	E.S.P. (IN)	VOLT/PH	HP (W)	MANUFACTURER	MODEL	WEIGHT (LBS)	SONES	NOTES
EF-1 (ADD-ALTERNATE #1)	JANITOR'S CLOSET	LAY-IN	75	DIRECT	624	0.4	115/1	(20)	GREENHECK	SP-B110	11	1.3	1,2

1. PROVIDE W/ INTEGRAL DISCONNECT SWITCH. VARI-GREEN MOTOR W/ MOUNTED PONTONMETER DIAL, BACKDRAFT DAMPER.
 2. CONTROL WITH LIGHT SWITCH. COORDINATE RELAY W/ ELECTRICAL CONTRACTOR.

RTU W/ ELECTRIC HEAT SCHEDULE

UNIT NO.	SERVES	OUTSIDE AIR (CFM)	FAN DATA				DX COOLING COIL			COMPRESSOR		ELECTRICAL		WEIGHT (LBS.)	SEER	MODEL	NOTES		
			CFM	EXT. STATIC (IN.WG)	HP	SENSIBLE (MBH)	TOTAL (MBH)	DB	WB	TYPE	TOTAL	V	P						
RTU-3	VESTIBULE/LOADING	30	1675	0.3	1	35	44	55	67	SCROLL	1	480	3	11.4	2	624	14.2	TRANE YHC	1,2,3

1. PROVIDE 2" FILTERS, ANTI-SHORT CYCLE CONTROLS, LOW AMBIENT CONTROLS, TXV, DISCONNECT SWITCH, INSULATED CABINET, HINGED ACCESS DOORS.
 2. HOT GAS RE-HEAT W/ DUCT MOUNTED HUMIDITY SENSOR.
 3. 14" ROOF CURB BY MANUFACTURER.

RTU W/ GAS HEAT SCHEDULE (ADD-ALTERNATE #2)

UNIT NO.	SERVES	OUTSIDE AIR (CFM)	FAN DATA				DX COOLING COIL			COMPRESSOR		ELECTRICAL		GAS HEAT		WEIGHT (LBS.)	SEER	MODEL	NOTES	
			CFM	EXT. STATIC (IN.WG)	HP	SENSIBLE (MBH)	TOTAL (MBH)	DB	WB	TYPE	TOTAL	V	P	INPUT MBH	OUTPUT MBH					AFUE%
RTU-2 (ADD-ALTERNATE #2)	CASE STG	40	1250	0.3	3/4	29	37	55	67	SCROLL	1	208	3	60	49	80	531	14.4	TRANE YHC	1,2,3,4

1. PROVIDE 2" FILTERS, ANTI-SHORT CYCLE CONTROLS, LOW AMBIENT CONTROLS, TXV, DISCONNECT SWITCH, INSULATED CABINET, HINGED ACCESS DOORS.
 2. HOT GAS RE-HEAT W/ DUCT MOUNTED HUMIDITY SENSOR.
 3. 14" ROOF CURB BY MANUFACTURER.
 4. 1 FOR 1 REPLACEMENT. EXISTING UNIT TO BE REPLACED HAS A NATURAL GAS INPUT REQUIREMENT OF 60 MBH.

MINIMATE 2 SPLIT SYSTEM SCHEDULE

UNIT NO.	SERVICE	TYPE	FAN				COOLING COIL				SCR HEATER W/ FAN KW	VOLTS	PHASE	HUMIDIFIER		WEIGHT (LBS)	MODEL	UNIT NO.	LOCATION	EAT (F)	COMPRESSOR		CONDENSING UNIT		WEIGHT (LBS)	MODEL	SCOP	NOTES
			CFM	EXTERNAL S.P. (IN.WG)	MOTOR HP	SENSIBLE (MBH)	TOTAL (MBH)	DB	WB	TYPE				TOTAL	V						P	SOUND DATA (DB)	WEIGHT (LBS)					
FCU-1	OFFICES	DUCTED	75	1250	0.3	0.5	27	31	76	61	10.3	480	3	4.3	1.5	250	LIEBERT MDP36	CU-1	ROOF	95	1	1 (NOTE 4)	59	300	LIEBERT PFH03TA-L	2.09	1,2,3,4,5,6,7,8,9	

1. PROVIDE WIRED 1-DAY PROGRAMMABLE WALL MOUNTED THERMOSTAT W/ AUTOMATIC CHANGE-OVER BY MANUFACTURER.
 2. MAXIMUM LINE LENGTH: 150' TOTAL.
 3. SIZE REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS.
 4. HOT GAS BYPASS.
 5. SCR REHEAT.
 6. FILTERBOX AND CONDENSATE PUMP BY MANUFACTURER.
 7. IS-UNITY-DP BMS CARD.
 8. HUMIDIFIER WATER CONNECTION TO BE PROVIDED WITH STRAINER AND DE-IONIZATION FILTER. NO WATER SOFTENING OR REVERSE OSMOSIS.
 9. PROVIDE WITH 2 EXTRA MERV 8 FILTERS AND 2 EXTRA HUMIDIFICATION CANISTERS.

DATE: 08/19/2021
 DESCRIPTION: ISSUED FOR PERMIT
 NO. 1

EMORY FM RELOCATION
Emory University
 1762 CLIFTON ROAD, SUITE 1800
 ATLANTA, GA 30322

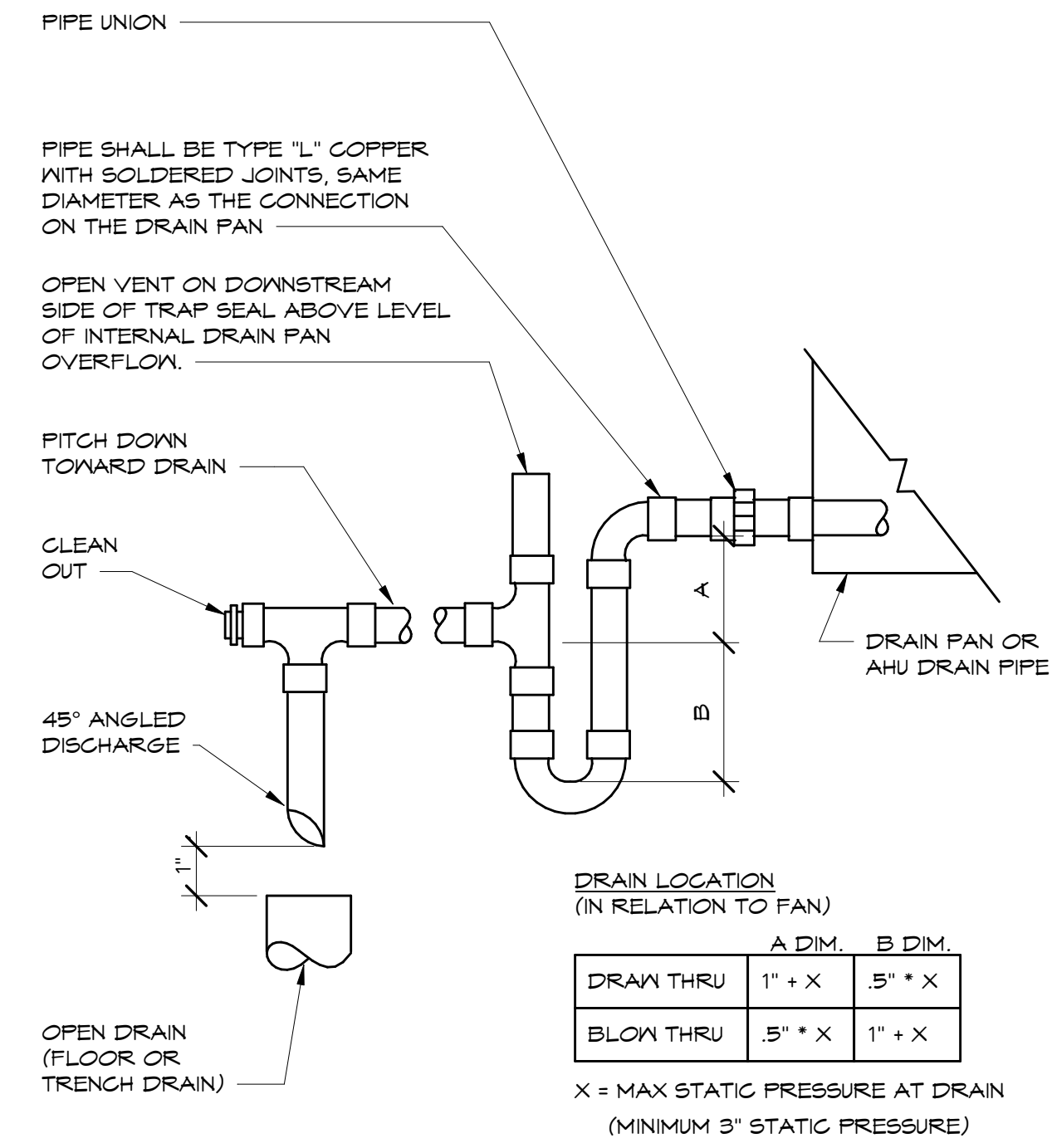


Performa
 1401 Peachtree St NE Suite 300
 Atlanta, GA 30309
 404.536.8006

MECHANICAL SCHEDULES

ISSUED FOR CONSTRUCTION

TITLE: MECHANICAL SCHEDULES
 DRAWN: BHC CHKD: SM
 DATE: 08/19/2021 SCALE: AS NOTED
 DRAWING NO: **H2.1**
 PROJECT NO: 21090 REV: 1



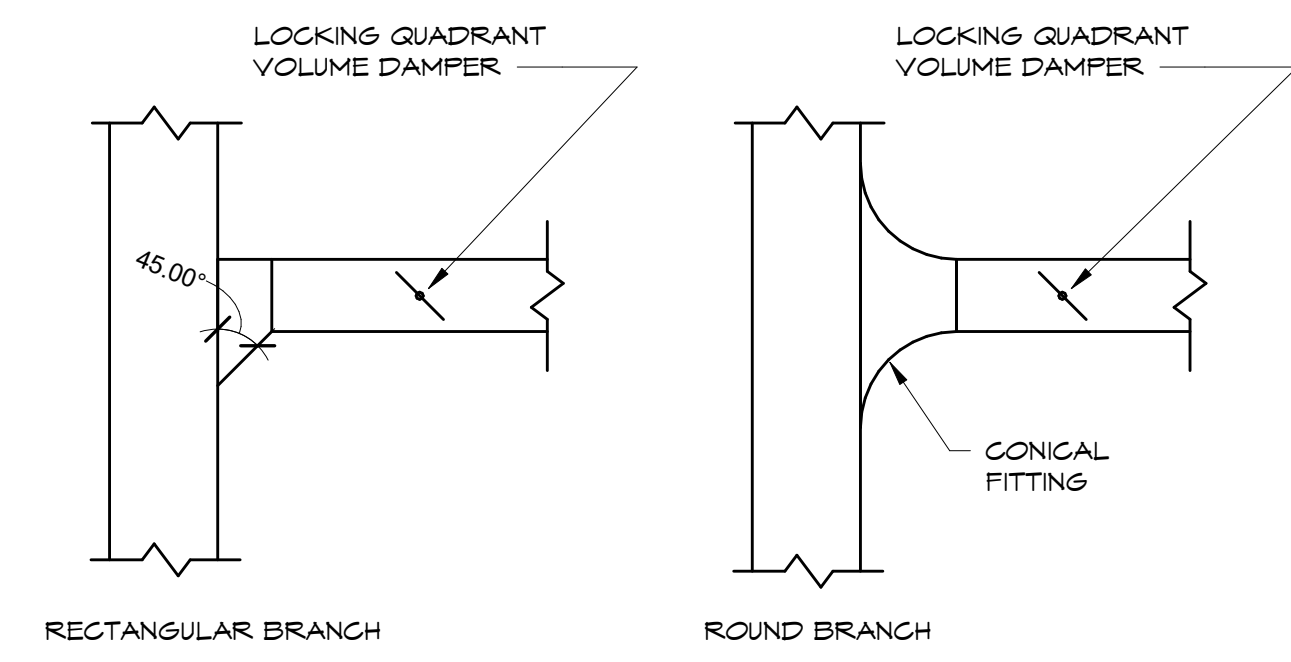
DRAIN LOCATION (IN RELATION TO FAN)

	A DIM.	B DIM.
DRAW THRU	1' + X	5' + X
BLOW THRU	5' + X	1' + X

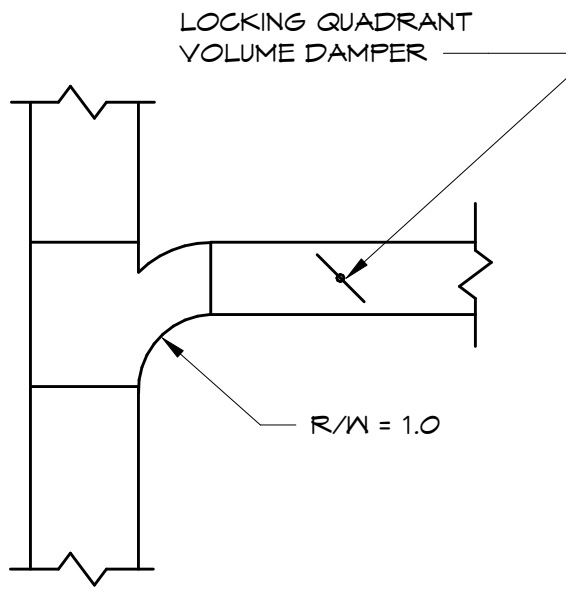
X = MAX STATIC PRESSURE AT DRAIN (MINIMUM 5" STATIC PRESSURE)

COOLING COIL DRAIN PIPING

1
H2.2
NOT TO SCALE



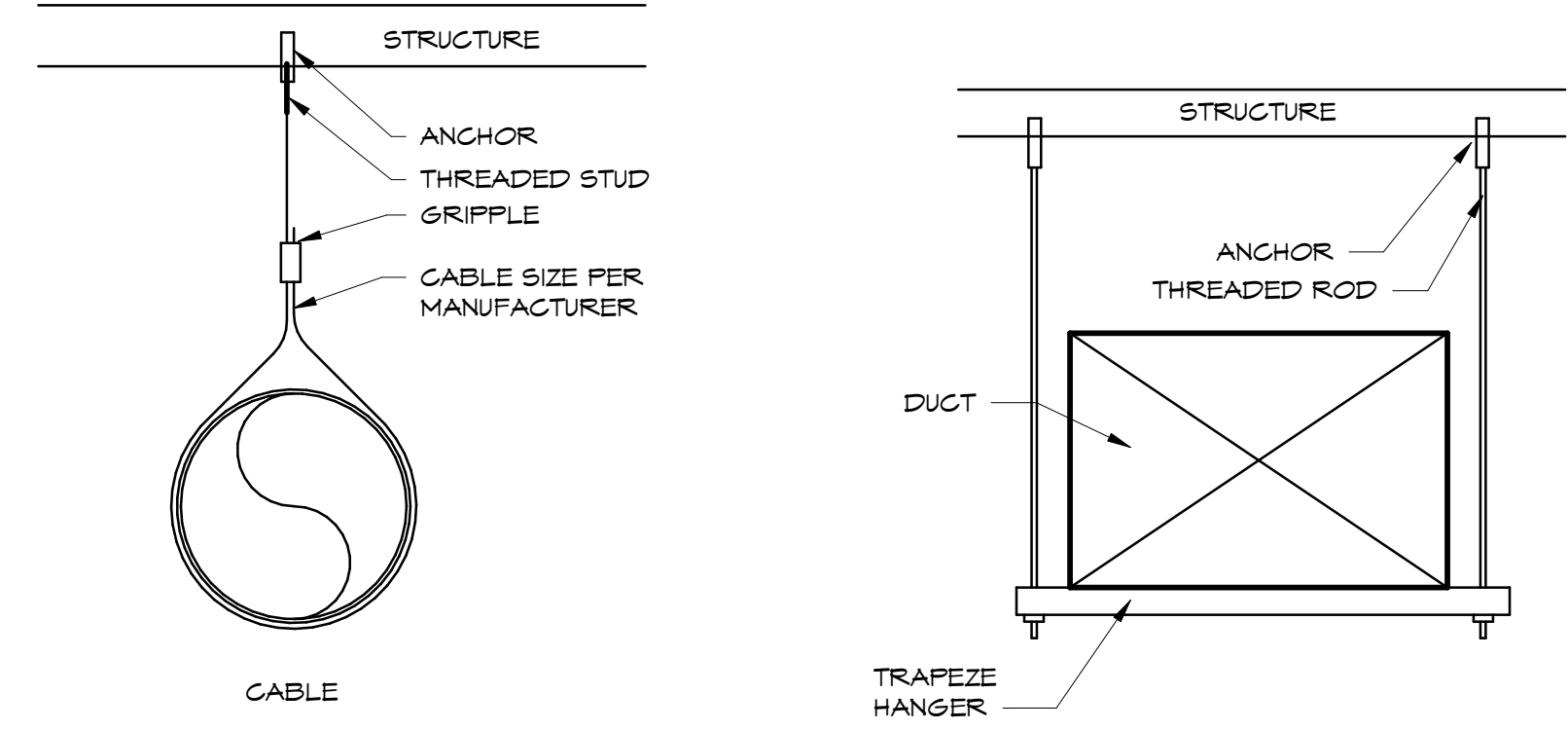
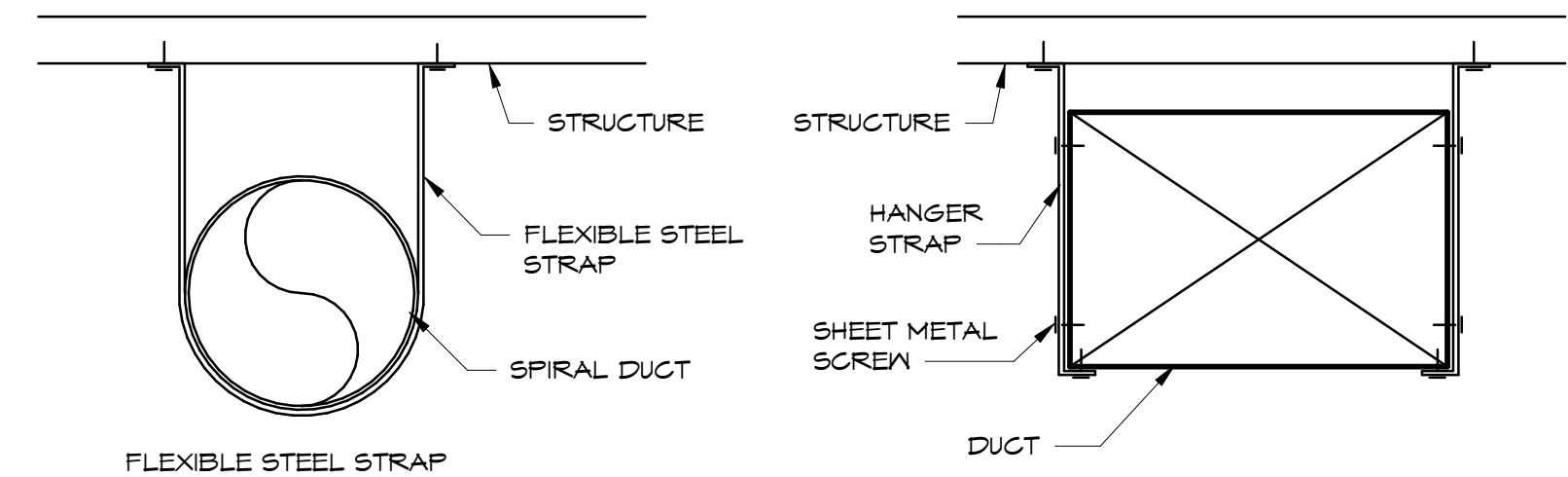
TYPICAL CONNECTION WHEN BRANCH DUCT DEPTH IS LESS THAN MAIN.



TYPICAL CONNECTION WHEN BRANCH DUCT DEPTH IS THE SAME AS THE MAIN.

TYPICAL BRANCH DUCT TAKE-OFFS

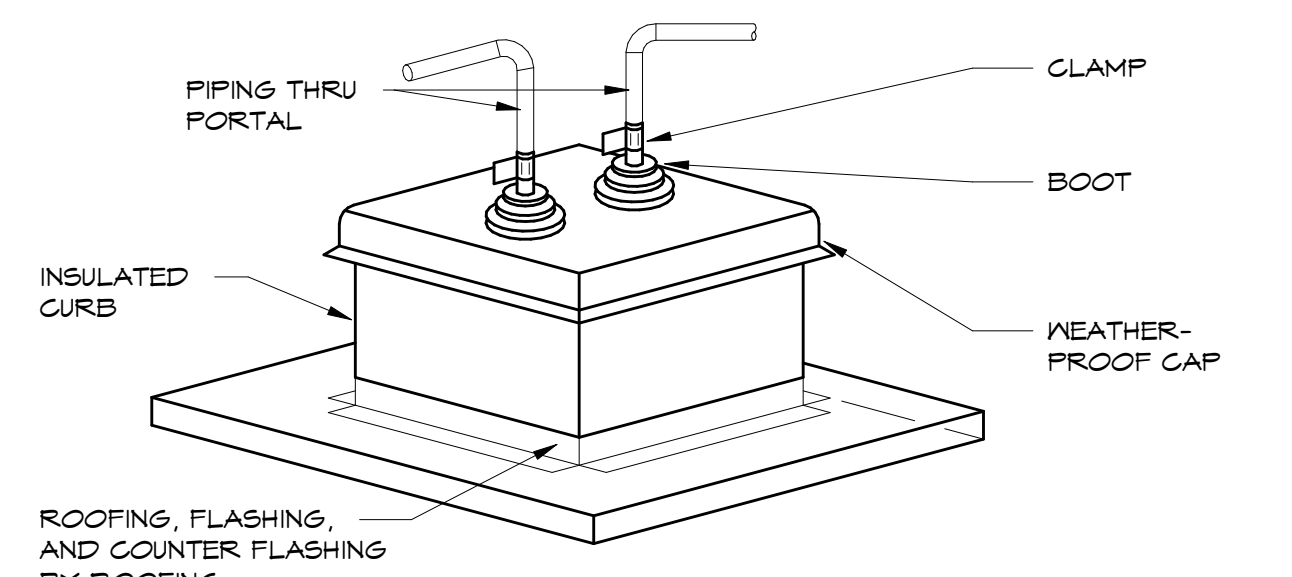
2
H2.2
NOT TO SCALE



NOTE:
1. REFER TO SPECIFICATIONS FOR HANGER SPACING.

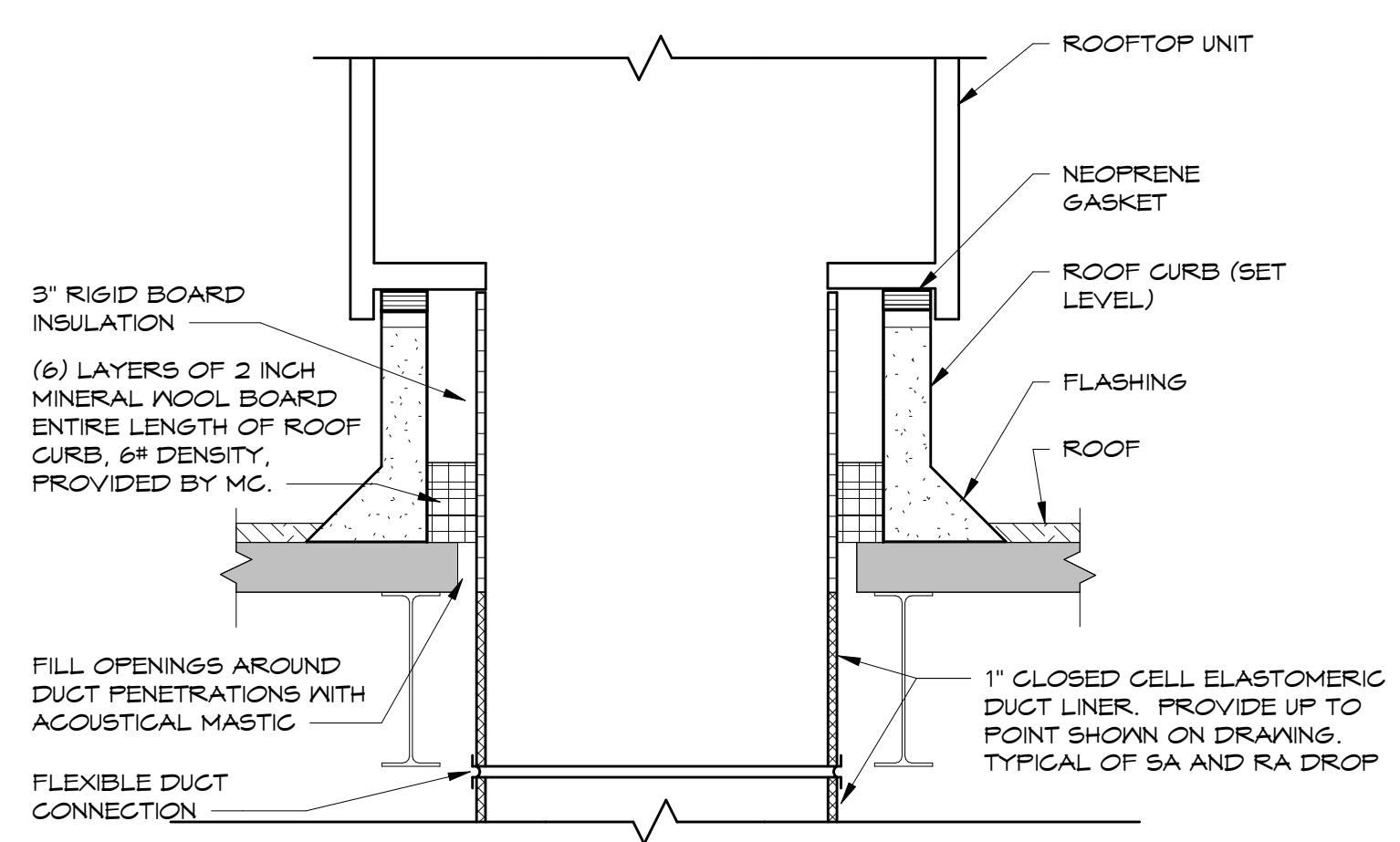
DUCT HANGERS

3
H2.2
NOT TO SCALE



PIPE PORTAL

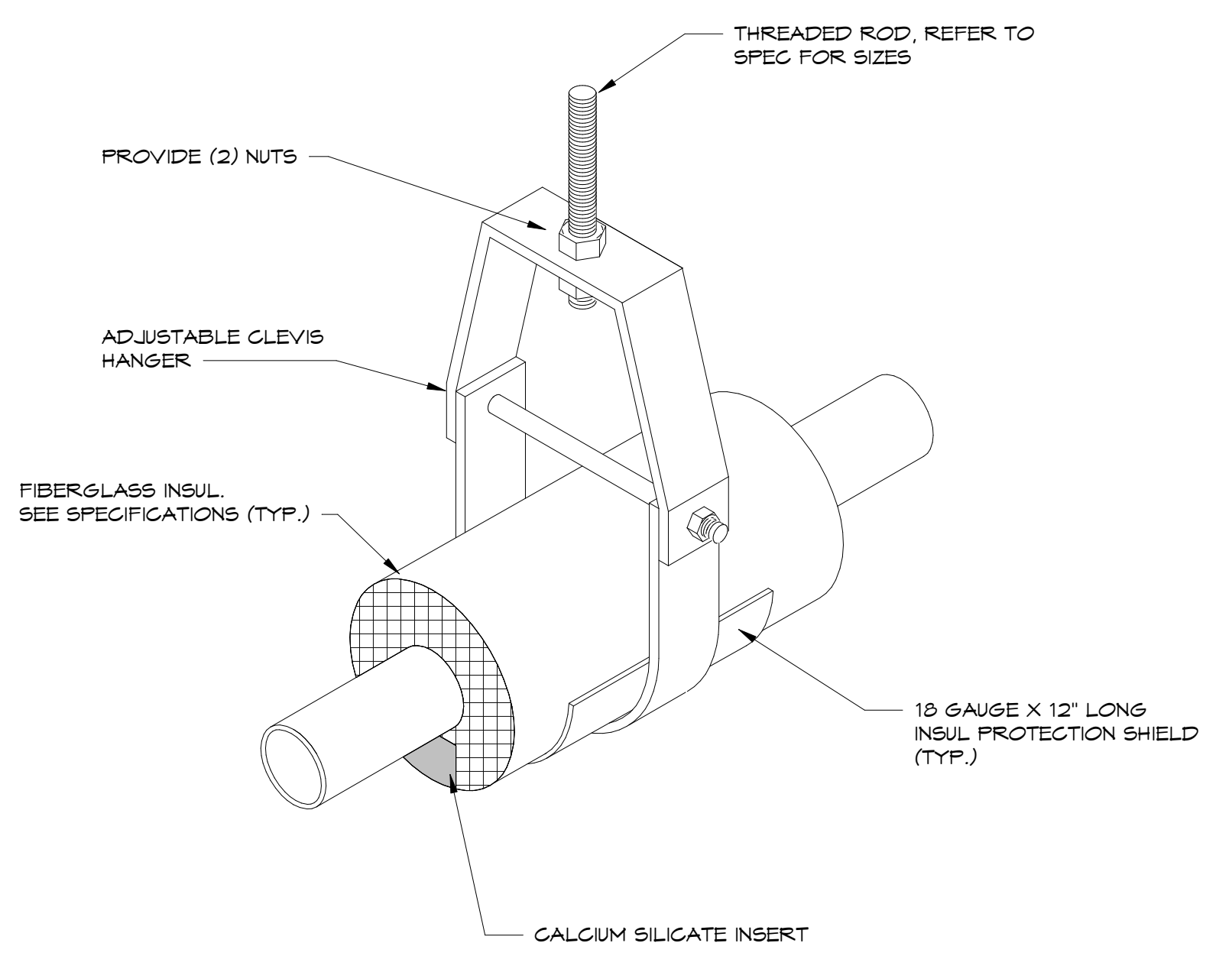
4
H2.2
NOT TO SCALE



NOTE: ALL VERTICAL ELBOWS OFF OF RTU SA DROP ARE TO BE PROVIDED WITH TURNING VEINS.

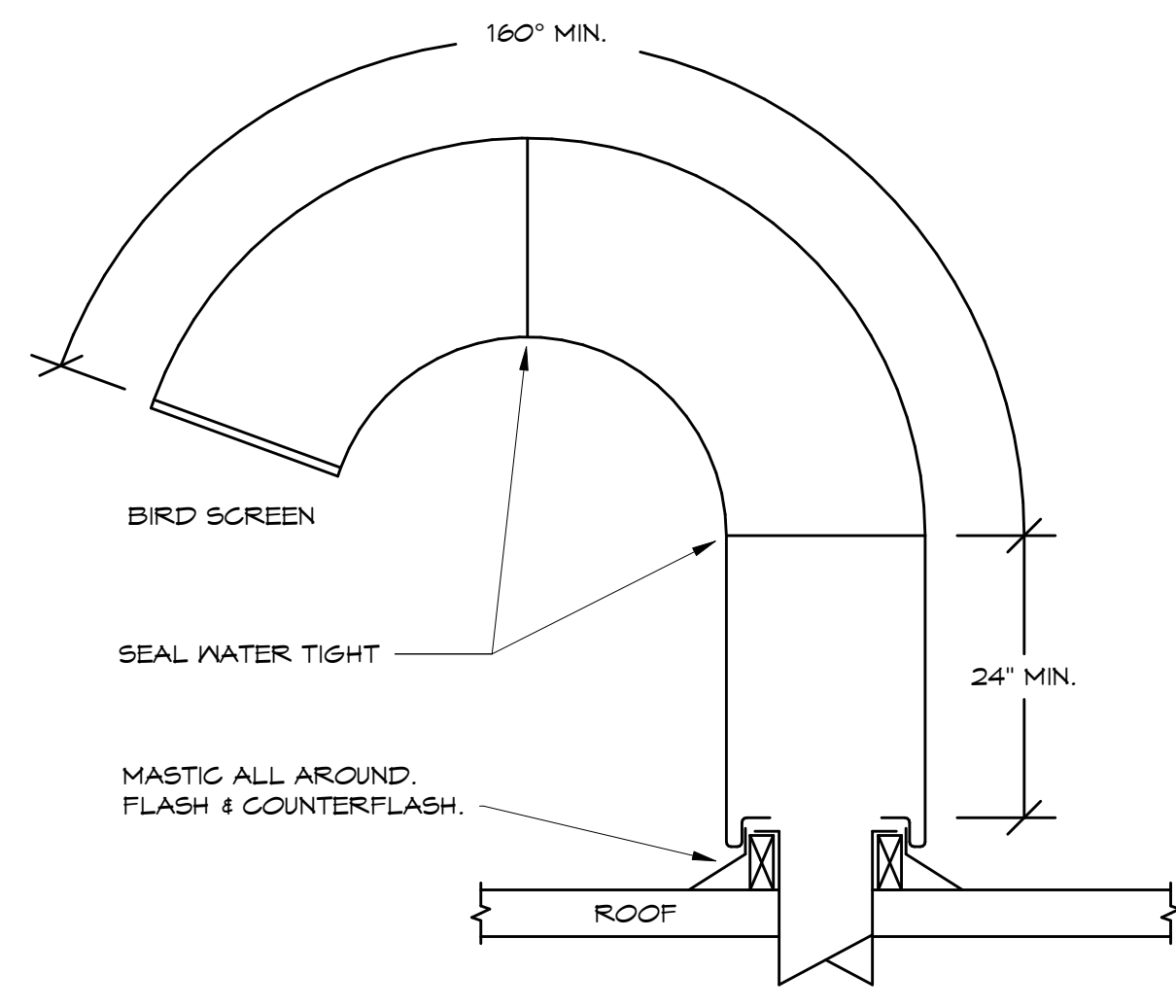
ROOFTOP UNIT DUCT PENETRATION

5
H2.2
NOT TO SCALE



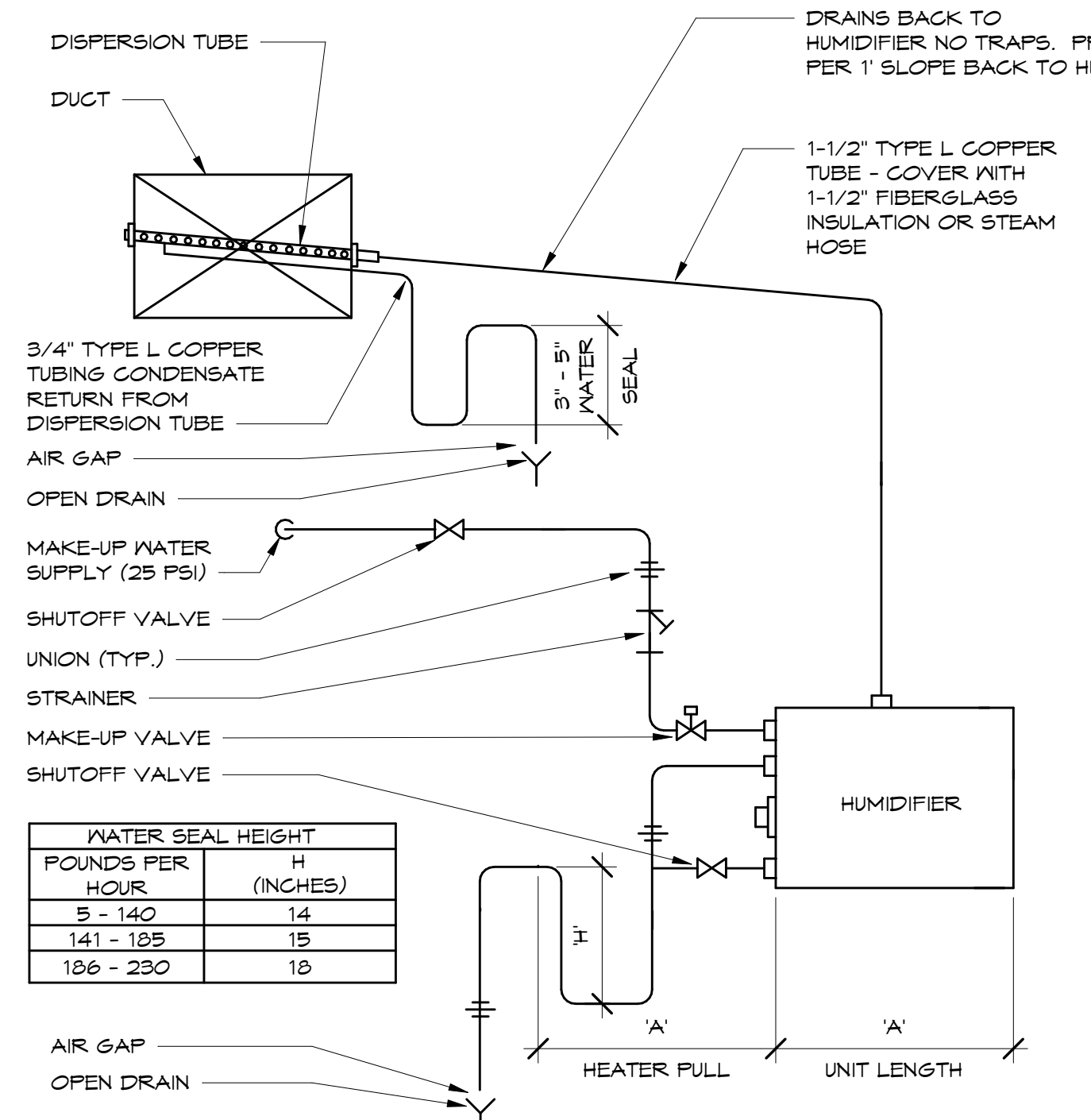
ADJUSTABLE CLEVIS HANGER

6
H2.2
NOT TO SCALE



GOOSENECK DETAIL

7
H2.2
NOT TO SCALE

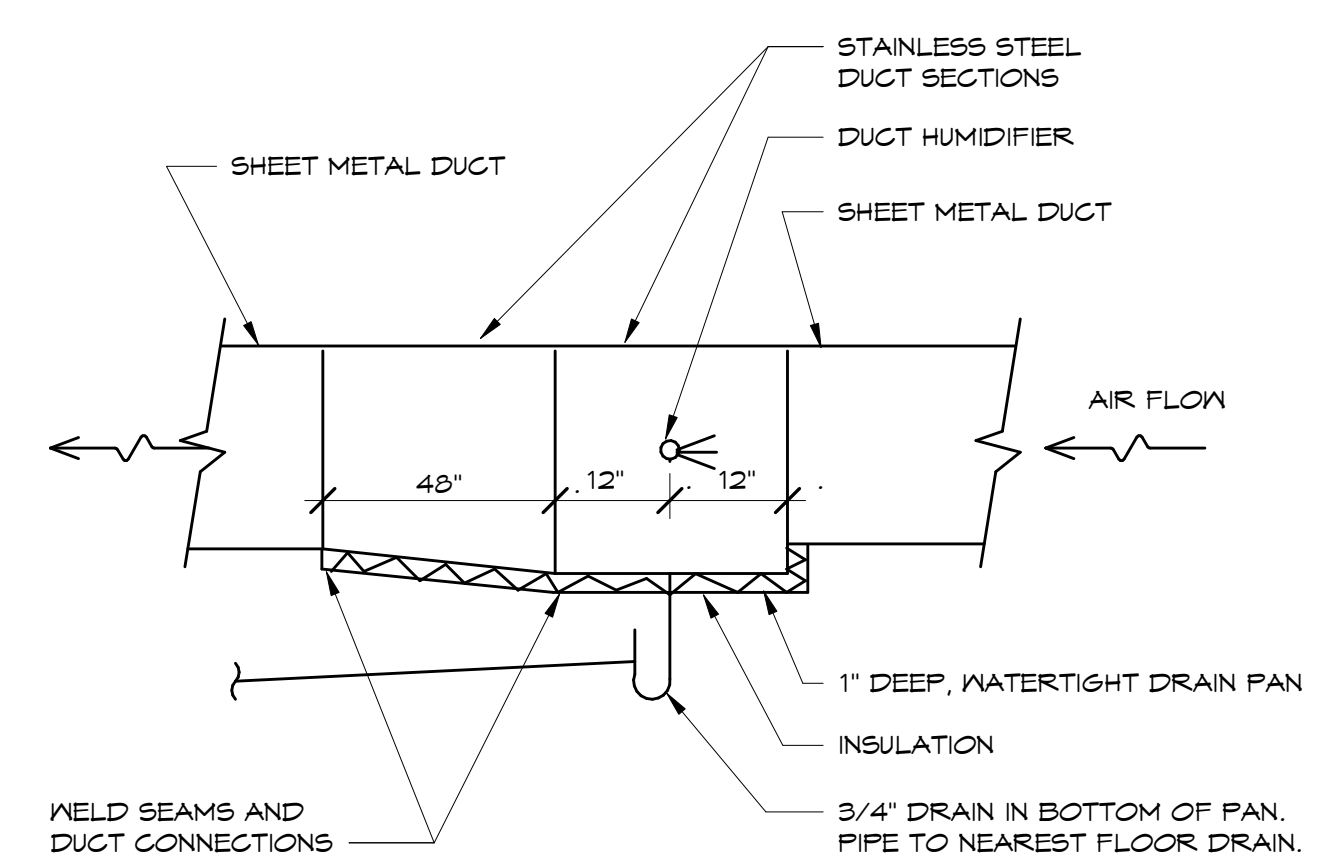


WATER SEAL HEIGHT	
POUNDS PER HOUR	"H (INCHES)
5 - 140	14
141 - 185	15
186 - 230	16

NOTES:
STEAM PIPING AND DISPERSION TUBE SHOULD BE PITCHED BACK 2" PER FOOT TO THE HUMIDIFIER.
CONSULT MANUFACTURER IOM FOR ALL REQUIREMENTS.

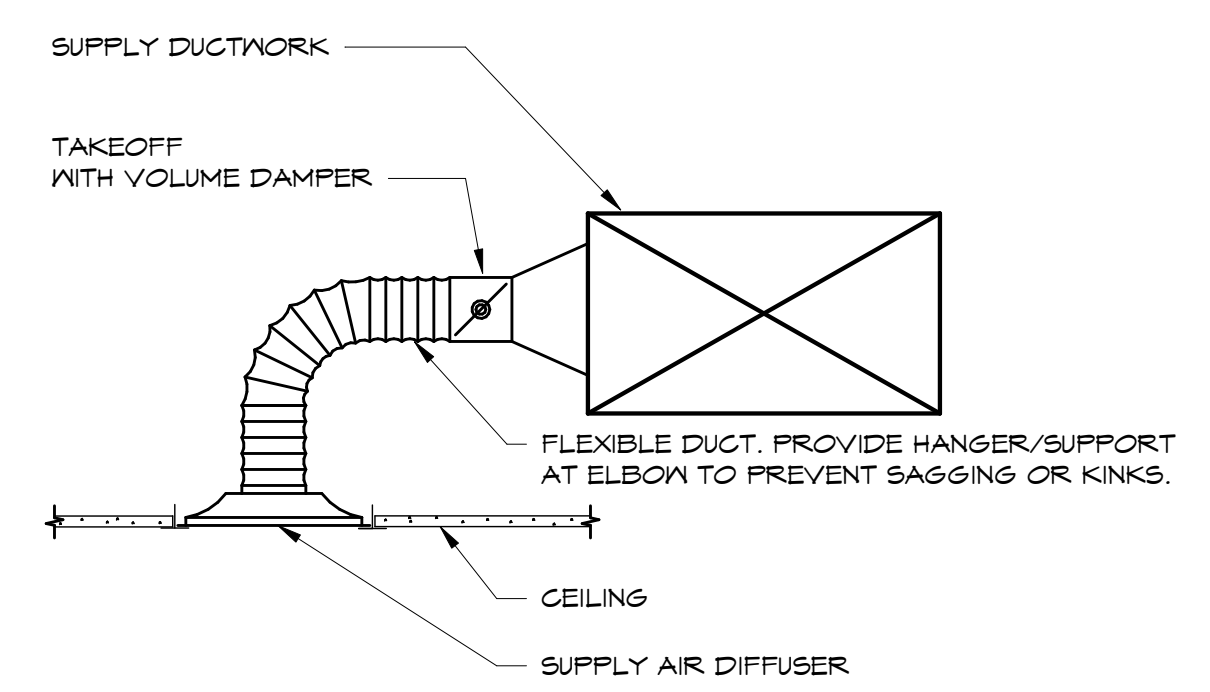
ELECTRIC DUCT HUMIDIFIER PIPING

8
H2.2
NOT TO SCALE



DUCT HUMIDIFIER

9
H2.2
NOT TO SCALE



NOTES:
1. WHERE MANUAL VOLUME DAMPERS ARE INSTALLED ABOVE CEILING, CONTRACTOR MUST ATTACH AN 18" MINIMUM LENGTH PINK SURVEY RIBBON FROM HANDLE TO ASSIST TAB CONTRACTOR WITH LOCATING M.V.D'S.
2. MAXIMUM FLEXIBLE DUCT LENGTH: 8 FT.

DUCT TO CEILING DIFFUSER

10
H2.2
NOT TO SCALE

DATE: 08/19/2021

DESCRIPTION: ISSUED FOR PERMIT

NO. 1

EMORY FM RELOCATION

Emory University

1762 CLIFTON ROAD, SUITE 1600
ATLANTA, GA 30322

EMORY UNIVERSITY

Performa

1401 Peachtree Street, Suite 300
Atlanta, GA 30309
404-536-8006

MECHANICAL DETAILS

ISSUED FOR CONSTRUCTION

DRAWN	BHC	CHKD	SM
DATE	08/19/2021	SCALE	AS NOTED
DRAWING NO.	H2.2		
PROJECT NO.	21090	REV	1

COMcheck Software Version 4.1.5.1
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: Emory 1762 Clifton - 1800 Suite Renovation
 Project Type: New Construction

Construction Site: 1762 Clifton Rd, Atlanta, GA
 Owner/Agent: Emory University
 Designer/Contractor: Performa inc.

Additional Efficiency Package(s)
 Unspecified

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Storage (Warehouse)	9067	0.66	5984
Total Allowed Watts =			5984

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Watt. (C X D)	E (C X D)
1-Storage (Warehouse)				
LED 1: B: 2X4 LED: LED Panel 40W:	1	70	40	2800
LED 2: A: 8FT LED INDUSTRIAL: Other:	1	4	114	456
Total Proposed Watts =				3256

Interior Lighting PASSES: Design 46% better than code

Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
 MATTHEW MAREK, PE
 Name - Title: _____ Signature: _____ Date: 08/23/21

Project Title: Emory 1762 Clifton - 1800 Suite Renovation
 Data filename: M:\21090 Emory Clifton - DW\Design Information\Sustainability\1800 Suite Com Check.cck
 Report date: 08/23/21
 Page 1 of 5

ELECTRICAL SYMBOLS KEY					
WIRING DEVICES		LIGHTING		MISCELLANEOUS	
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
⊖	DUPLEX RECEPTACLE	☐	LED VOLUMETRIC FIXTURE	☐	POWER PANEL - SURFACE MOUNT
⊖	DUPLEX RECEPTACLE - HEIGHT AS NOTED ON PLANS OR 6" ABOVE COUNTER OR BACKSPASH	☐	LED VOLUMETRIC FIXTURE ON EMERGENCY POWER	☐	POWER PANEL - FLUSH MOUNT
⊖WP	DUPLEX RECEPTACLE - WEATHERPROOF	☐	RECESSED OR SURFACE MOUNTED FIXTURE	☐	JUNCTION BOX
⊖IG	DUPLEX RECEPTACLE - ISOLATED GROUND	☐	RECESSED OR SURFACE MTD EMERGENCY POWER FIXTURE	☐	FLOOR BOX / POKE-THRU (X = TYPE) (SEE FLOOR BOX SCHEDULE FOR MORE INFORMATION)
⊖GFI	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTER	☐	EXIT SIGN	☐	PUSH BUTTON
⊖USE	COMBINATION USB CHARGER AND RECEPTACLE	☐	WALL MOUNT EMERGENCY LIGHT	☐	NOTE
⊖E	DUPLEX RECEPTACLE ON EMERGENCY BRANCH PANEL	☐	CEILING MOUNT EMERGENCY LIGHT	☐	120V ELECTRIC DAMPER
⊖SB	DUPLEX RECEPTACLE ON STANDBY POWER PANEL	☐	WALL BRACKET FIXTURE	☐	WALL CLOCK - POWER OVER ETHERNET (POE)
⊖CLK	RECESSED "CLOCK"-TYPE DUPLEX RECEPTACLE	☐	WALL BRACKET EXIT SIGN	☐	INSTRUMENT GROUND CONNECTION
⊖	DOUBLE DUPLEX RECEPTACLE	☐	POLE MOUNTED FIXTURE WITH ARM	☐	CONTROL FOR PROJECTOR
⊖	DOUBLE DUPLEX RECEPTACLE - HEIGHT AS NOTED ON PLANS FOR 6" ABOVE COUNTER OR BACKSPASH	☐	TRACK-MOUNTED FIXTURE	☐	CORD REEL WITH QUADRAPLEX RECEPTACLE
⊖	SPECIALTY OUTLET	☐	FIXTURE TYPE, CONTROL, CIRCUIT	☐	OVERHEAD SPEAKER
⊖	SPECIALTY OUTLET - HEIGHT AS NOTED ON PLANS	FIRE ALARM		ABBREVIATIONS	
⊖	WALL SWITCH 3 = 3-WAY, 4 = 4-WAY, L = LOW-VOLTAGE DIMMABLE, 3D = 3-WAY DIMMABLE	☐	FIRE ALARM PULL STATION	AF	ABOVE FINISHED FLOOR
⊖OS	OCCUPANCY SENSING WALL SWITCH	☐	STROBE	AFG	ABOVE FINISHED GRADE
⊖DOS	DIMMABLE OCCUPANCY SENSING WALL SWITCH	☐	FIRE ALARM HORN WITH STROBE	CCTV	CLOSED CIRCUIT TELEVISION
⊖	DUAL-LEVEL SWITCHING 3 = 3-WAY, 4 = 4-WAY	☐	FIRE ALARM PULL STATION WITH HORN/STROBE ABOVE	FAAP	FIRE ALARM ANNUNCIATOR PANEL
⊖VOS	DUAL-RELAY VACANCY-TYPE WALL OCC. SENSOR	☐	SMOKE DETECTOR, HD = HEAT DETECTOR	FAFP	FIRE ALARM CONTROL PANEL
⊖AS	STANDALONE OCCUPANCY SENSOR, DAYLIGHT SENSOR	☐	SMOKE DETECTOR - DUCT TYPE	FAFP	FIRE ALARM CONTROL PANEL
⊖AS	NETWORKED OCCUPANCY SENSOR, DAYLIGHT SENSOR	☐	SMOKE DETECTOR - HS-HORN/STROBE	FFA	FLOOR FLOOR ABOVE
⊖	DUPLEX RECEPTACLE AND BOX IN FURNITURE CUT-OUT	☐	CEILING MOUNTED DEVICE S=STROBE, SS=SPEAKER STROBE, HS=HORN/STROBE	FFB	FLOOR FLOOR BELOW
⊖	MULTISENSE LIGHT CONTROL	☐	FLOOR SWITCH	G	GROUND
⊖	PILOT LIGHT SWITCH	☐	TAMPER SWITCH	GFI	GROUND FAULT INTERRUPT
⊖	0-10V DIMMER SWITCH	☐	MAGNETIC HOLD OPEN/DOOR RELEASE	IG	ISOLATED GROUND
SECURITY		COMMUNICATION		MH	MOUNTING HEIGHT
☐	SECURITY CAMERA	☐	TELEVISION OUTLET WITH COAX CABLE + JACK	MMS	MANUAL MOTOR STARTER SWITCH
☐	DOOR CONTACT	☐	TELE/DATA OUTLET WITH ABOVE COUNTER	NAC	FIRE ALARM NOTIFICATION APPLIANCE CABINET
☐	ELECTRIC STRIKE, ELECTRIFIED LOCK-SET	☐	CEILING MOUNTED PROJECTOR	NL	NIGHTLIGHT
☐	CARD READER	☐	MEDIA BACK BOX (CHIEF PAC525 OR EQUIV.)	NAP	WIRELESS ACCESS POINT
☐	REQUEST TO EXIT MOTION SENSOR	☐	LOW VOLTAGE PASS-THRU	WP	WEATHERPROOF
☐	AUTOMATED DOOR BUTTON	☐	TELE/DATA OUTLET	RACEWAYS AND DEVICES	
☐	KEYPAD STATION - BURGLAR ALARM	☐	1-JACK AND CAT 6 CABLE FOR WALL PHONE	☐	DUPLEX RECEPTACLE IN PLUGMOLD (SURFACE RACEWAY)
MOTOR CONTROL		☐	1-D = NUMBER OF CATEGORY 6 CABLES & JACKS	☐	TELE/DATA OUTLET IN PLUGMOLD
☐	MOTOR (# = MOTOR NUMBER)	☐	1-C = NUMBER OF COAX CABLES & JACKS	☐	PLUGMOLD RACEWAY - MOUNTING HEIGHT DIMENSIONS INDICATE RUN LENGTH
☐	MANUAL MOTOR STARTER	☐	1-W = OUTLET FOR WIRELESS ACCESS POINT 1-JACK AND CABLE FROM POE SWITCH LOCATION	☐	NOTE: MOUNTING HEIGHT IS TO BOTTOM OF RACEWAY
☐	NON-FUSED DISCONNECT SWITCH KV, RATING	☐	YYYY = ROOM LOCATION OF CABLE TERMINATION TO PATCH PANEL	☐	SPECIALTY OUTLET IN PLUGMOLD
☐	FUSED DISCONNECT KV, RATINGS & FUSE SIZE	☐	WIRELESS ACCESS POINTS PROVIDE CAT 6A CABELING.	☐	TABLE-MOUNTED ELECTRICAL / DATA PEDESTAL: DEVICE CONFIGURATION PER PLANS

DATE: 12.20.2021

DESCRIPTION: ISSUED FOR PERMIT

NO. 1



EMORY MCCM EXPANSION
 Emory University
 1762 CLIFTON ROAD, SUITE 1800
 ATLANTA, GA 30322

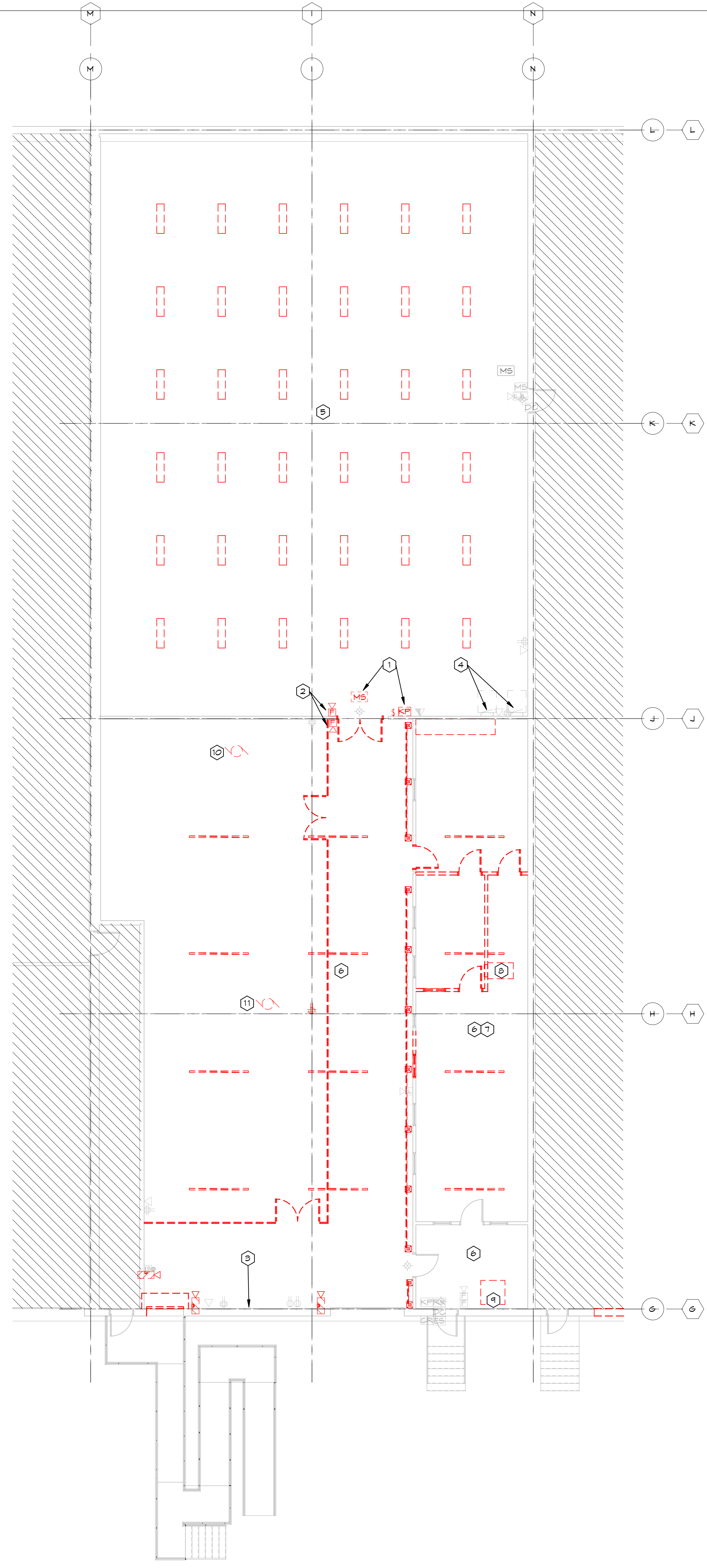



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ELECTRICAL ABBREVIATIONS AND SYMBOLS

ISSUED FOR CONSTRUCTION

TITLE	MM	CHKD	MM
DATE	08/19/21	SCALE	1/4" = 1'-0"
DRAWING NO.	EN1.1		
PROJECT NO.	21090	REV	1



FIRST FLOOR ELECTRICAL
DEMOLITION PLAN

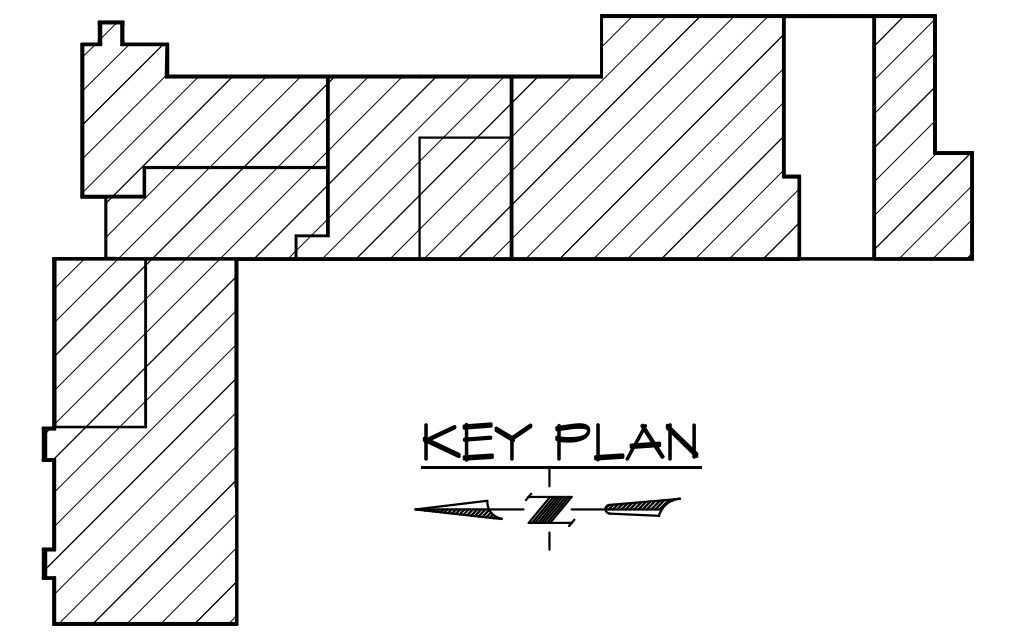
1
E0.1
SCALE: 1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. BOLD/DASHED ITEMS ARE TO BE DEMOLISHED. LIGHTER-TONE ITEMS ARE EXISTING TO REMAIN. FIELD VERIFY ALL ELECTRICAL EQUIPMENT PRIOR TO COMMENCING WITH WORK.
- B. COORDINATE ANY POWER OUTAGES WITH OWNER. LIMIT POWER OUTAGES TO AREAS TO OFF-HOURS UNLESS PERMITTED OTHERWISE.
- C. ELECTRICAL WORK SHALL COMPLY WITH LOCAL, STATE, AND NATIONAL CODES.
- D. CONTRACTOR SHALL REMOVE AND DISCARD ALL EQUIPMENT AND DEVICES NOT TO BE TURNED BACK OVER TO OWNER WITHIN SCOPE OF DEMOLITION WORK.

DEMOLITION PLAN NOTES

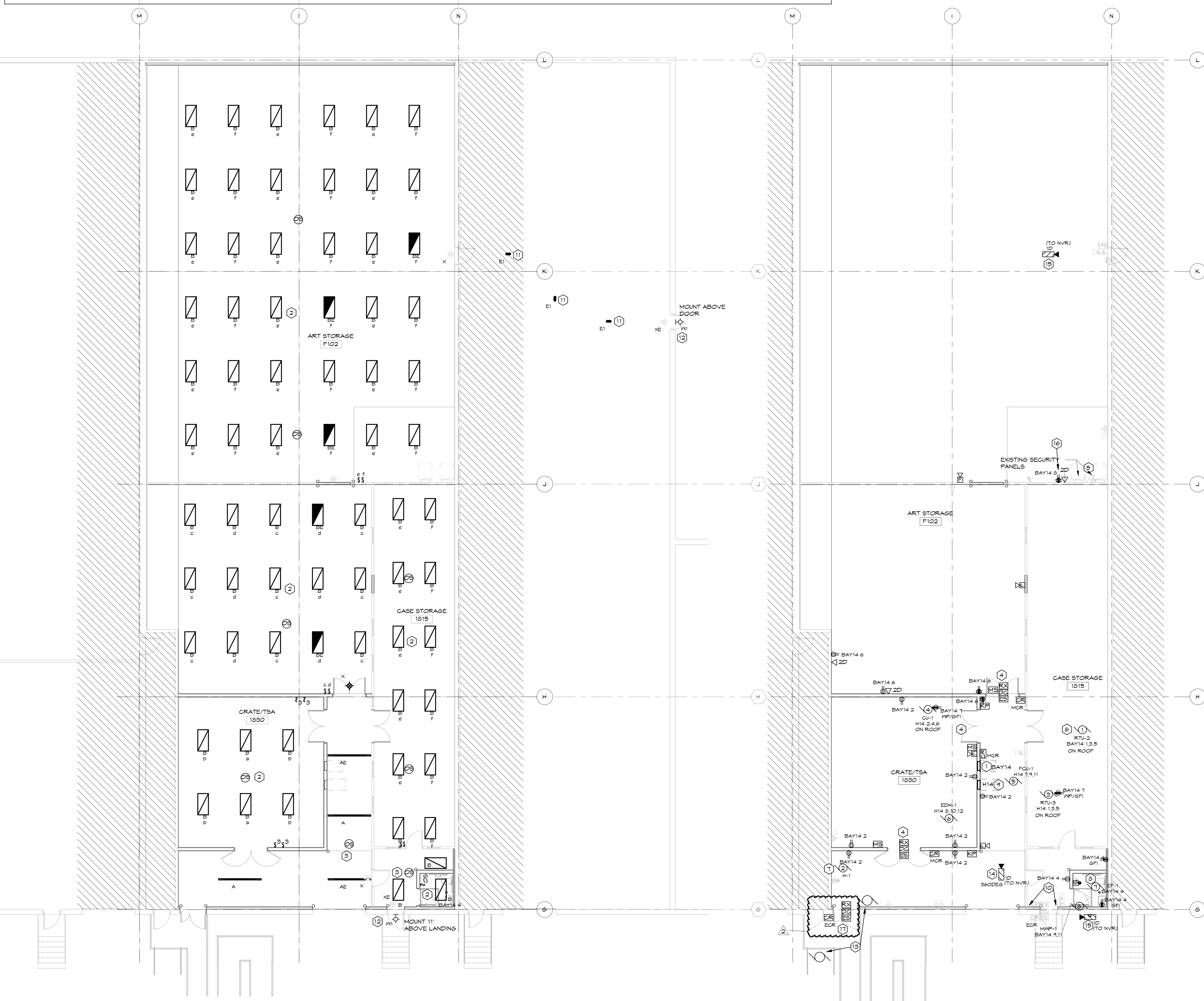
- (ALL NOTES MAY NOT APPEAR ON THIS SHEET)
- 1 REMOVE AND RETAIN EXISTING SECURITY DEVICES FOR RELOCATION. SEE NEW CONSTRUCTION PLAN.
 - 2 REMOVE AND RETAIN EXISTING FIRE ALARM DEVICES FOR RELOCATION. SEE NEW CONSTRUCTION PLAN.
 - 3 POWER, DATA AND SECURITY DEVICES ALONG THIS WALL TO REMAIN.
 - 4 EXISTING HONEYWELL ADENCO VISTA SECURITY PANEL FOR MGR. SECURITY SYSTEM. RETAIN FOR EXTENSION OF NEW DEVICES FROM EXISTING SYSTEM. SEE NEW CONSTRUCTION PLAN.
 - 5 REMOVE EXISTING LIGHTING IN THIS AREA - REPLACE CUT OR DAMAGED CEILING TILES WHERE APPLICABLE.
 - 6 REMOVE EXISTING OVERHEAD LIGHTING IN THIS AREA.
 - 7 REMOVE OVERHEAD LIGHTING AND POWER IN DEMOLISHED WALLS IN THE OFFICE AREA BELOW.
 - 8 EXISTING PANEL - BAY 14 TO BE REMOVED AND RELOCATED FOR REUSE IN NEW CONSTRUCTION PROJECT.
 - 9 REMOVE WIRING TO EXISTING PTAG AS PART OF ADD-ALTERNATE #2.
 - 10 DISCONNECT EXISTING 480V HUMIDIFICATION SYSTEM. PRESERVE TO EXTEND CIRCUIT TO NEW HUMIDIFIER LOCATION.
 - 11 DEMOLISH CIRCUIT FOR DEMOLISHED GAS UNIT HEATER.



ISSUED FOR CONSTRUCTION

DATE	12.20.2021	DESCRIPTION	
NO.	1	ISSUED FOR PERMIT	
<p>EMORY MCCM EXPANSION Emory University 1762 CLIFTON ROAD, SUITE 1800 ATLANTA, GA 30322</p>			
<p>Performa 1401 Peachtree St NE Suite 300 Atlanta, GA 30309 404.536.8006</p>			
<p>DEMOLITION - FIRST FLOOR ELECTRICAL PLAN</p>			
DRAWN	MM	CHKD	MM
DATE	08/19/21	SCALE	As indicated
DRAWING NO.	E0.1		
PROJECT NO.	21090	REV	1

LIGHTING FIXTURE SCHEDULE									
TYPE	MOUNTING	DESCRIPTION	BALLAST/FIX	VOLTAGE	LAMP	WATTAGE	MANUFACTURER	CATALOG NUMBER	NOTES
A	SUSPENDED	8' STRIP LIGHT WITH EM BATTERY	-----		LED	80.0 W	ORACLE	8 001 LED 14000L DIM10 MVOLT 40K 85 00666	
AE	SUSPENDED	8' STRIP LIGHT WITH EM BATTERY	-----		LED	80.0 W	ORACLE	8 001 LED 14000L DIM10 MVOLT 40K 85 00666	
B	RECESSED	RECESSED 2X4 PRISMATIC LED, 5000 LUMEN	-----		LED	40.0 W	LITHONIA	26TL4 50L FX E21 LP840	
BE	RECESSED	RECESSED 2X4 PRISMATIC LED, 5000 LUMEN EM BATTERY	-----		LED	40.0 W	LITHONIA	26TL4 50L FX E21 LP840 EM BATTERY	
E1	CEILING	HIGH CEILING EMER EGRESS LIGHT	-----	MVOLT	TS	0.0 W	DUALITE	EVHG12-06L	
W1	WALL	LED WALL PACK WITH EMERGENCY BATTERY AND PHOTOCELL	-----	EX	LED	21.0 W	LUMARK	AKG23A FC CBP	
X	SURFACE	LED EXIT LIGHT - EXISTING	-----		TS	0.0 W	EX	EXISTING EXIT LIGHT	
XE	SURFACE	LED EXIT LIGHT WITH EGRESS HEADS - EXISTING	-----		TS	0.0 W	EX	EXISTING EXIT LIGHT	



FIRST FLOOR LIGHTING PLAN
 1
 E1.1
 SCALE: 1/8" = 1'-0"

FIRST FLOOR POWER AND SYSTEMS PLAN
 2
 E1.1
 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- A. COORDINATE LIGHT FIXTURE LOCATIONS IN MECHANICAL EQUIPMENT ROOMS WITH OTHER CONTRACTORS PRIOR TO ROUGH IN.
- B. ITEMS OR DEVICES SHOWN DARKER ARE NEW. ITEMS OR DEVICES SHOWN LIGHTER ARE EXISTING TO REMAIN.
- C. SWITCH(ES)/DIMMER(S) SHALL BE GANGED UNDER ONE FACE PLATE WHERE PRACTICAL. SPACE SHOWN BETWEEN SWITCH(ES)/DIMMER(S) NEAR SAME DOOR/OPENING IS FOR PLAN LEGIBILITY PURPOSES ONLY.
- D. MOUNT OCCUPANCY SENSORS AT ELEVATION FREE OF OBSTRUCTIONS. COORDINATE FINAL SENSOR LAYOUT WITH SENSOR MANUFACTURER.
- E. LIMITED EXISTING CIRCUITING INFORMATION AVAILABLE AT DESIGN. FIELD-CIRCUIT LIGHTING AND DEVICES AS NECESSARY TO EXISTING PANELS AND RED-LINE AS-BUILTS WITH CIRCUITING INFORMATION.

ELECTRICAL PLAN NOTES

- (ALL NOTES MAY NOT APPEAR ON THIS SHEET)
1. EXISTING / RELOCATED PANEL BAY 14. RELOCATE / EXTEND 40 AMP FEEDER FROM EXISTING PANEL L14 LOCATED IN THE ADJACENT SUITE TO THE WEST.
 2. NEW LIGHT FIXTURES - CIRCUIT TO EXISTING LIGHTING CIRCUITS WITH NEW CONTROLS.
 3. NEW LIGHT FIXTURES IN RECEIVING AREA - CIRCUIT TO EXISTING LIGHTING FIXTURES WITH NEW OCCUPANCY SENSOR AND EXISTING WALL CONTROLS.
 4. PROVIDE MGR DOOR ACCESS CONTROL DEVICES. EXTEND AND EXPAND EXISTING HONEYWELL ADEMCO SECURITY SYSTEM TO ACCOMMODATE.
 5. EXISTING HONEYWELL ADEMCO SECURITY PANEL SERVING MGR.
 6. EXTEND CIRCUIT FROM EXISTING RTU-2 TO NEW PANEL BAY14 LOCATION TO EXISTING 30A BREAKER IN PANEL. IF ALTERNATE #2 IS ACCEPTED FOR NEW RTU-2, TERMINATE SAME SIZE CIRCUIT TO NEW RTU-2 UNIT.
 7. RELOCATE EXISTING 480V HUMIDIFIER CIRCUIT AND DISCONNECT AND RE-CIRCUIT TO THIS NEW LOCATION.
 8. CONTROL FROM ROOM LIGHTING OCCUPANCY SENSOR ON SAME CIRCUIT.
 9. FURNISH 30A BREAKER IN EXISTING RTU PANEL (MID-BUILDING) TO WEST-FIELD VERIFY LOCATION AND EXTEND (4) #4, #6 CU FEEDER IN 1-1/2" CONDUIT TO NEW PANEL H14.
 10. BRING EXISTING DEVICES FORWARD INTO FURRED WALL.
 11. CIRCUIT TO EXISTING EXIT LIGHT CIRCUIT IN ROOM.
 12. CIRCUIT TO EXISTING EXIT LIGHT CIRCUIT ON OPPOSITE SIDE OF DOOR.
 13. EXISTING HYDRAULIC LIFT WITH MOTOR (INTERIOR). GC TO REPAIR EXISTING LIFT AS PART OF BASE BID. ALTERNATE SHALL REPLACE EXISTING LIFT WITH SIMILAR AND CONNECT NEW LIFT TO EXISTING ELECTRICAL CIRCUIT.
 14. FURNISH 360 DEG CAMERA - AXIS P3119-PL5 - SUBMITTAL MUST BE REVIEWED WITH MUSEUM PRIOR TO PURCHASING.
 15. FURNISH CAMERA AT ENTRY DOOR - AXIS P1445-LE - SUBMITTAL MUST BE REVIEWED WITH MUSEUM PRIOR TO PURCHASING.
 16. FURNISH LUMA NVR PER EMORY STANDARDS AND PROVIDE GHATSWORTH RACK MOUNTING ON THIS WALL. EMORY TO CONNECT TO BUILDING NETWORK SYSTEM.
 17. FURNISH NEW CARD ACCESS CONTROLS. PROVIDE NEW DEVICES MATCHING AND EXTENDING FROM EXISTING CARD ACCESS CONTROL SYSTEM. FURNISH ASSA ABLOY RP SERIES CARD READER - MATCH EXISTING DEVICES. LENSEL LNL-1300 SINGLE READER INTERFACE MODULE. LNL-X3300 INTELLIGENT SYSTEM CONTROLLER.

DATE: 12.20.2021

DESCRIPTION: ISSUED FOR PERMIT

NO. 1

EMORY MCCM EXPANSION
Emory University
 1762 CLIFTON ROAD, SUITE 1800
 ATLANTA, GA 30322

EMORY UNIVERSITY

Performa
 1401 Peachtree Street, Suite 300
 Atlanta, GA 30309
 404-536-8006

ISSUED FOR CONSTRUCTION

FIRST FLOOR LIGHTING & POWER PLAN

FILE: MM, CHKD: MM
 DATE: 08/19/21, SCALE: As indicated
 DRAWING NO: **E1.1**
 PROJECT NO: 21090, REV: 2

MOTOR AND EQUIPMENT SCHEDULE														
NUMBER	NAME	ROOM	MOTOR/EQUIPMENT				FEEDER							
			HP/KVA	VOLTS/PHASE	LOCATION	SIZE	TYPE	PANEL	CIRCUIT	FUSE/BKR	WRES	CONDUIT	NOTES	
1	RTU-2			21FLA	208/3				BAY14	1,3,5	30/3	(3)1/2, (1)1/2	3/4 IN	1
2	H-1			EX	480/3						EX	EX-RELOCATED	EX	-----
3	RTU-3			32 MCA	480/3				H14	1,3,5	30/3	(3)1/2, (1)1/2	3/4 IN	1
4	CU-1			7.1 FLA	480/3				H14	2,4,6	15/3	(3)1/2, (1)1/2	1/2 IN	2
5	FCU-1			16.9 FLA	480/3				H14	7,9,11	25/3	(3)1/2, (1)1/2	3/4 IN	2
6	EDH-1			6 HPA	480/3				H14	8,10,12	15/3	(3)1/2, (1)1/2	1/2 IN	1
7	EF-1			FRAC	120/1				BAY14	4	20/1	(2)1/2, (1)1/2	1/2 IN	1
8	MNP-1			2 @ IHP	208/1				BAY14	9,11	25/2	(2)1/2, (1)1/2	3/4 IN	1

MOTOR SCHEDULE NOTES:

- FVNR = FULL-VOLTAGE NON-REVERSING STARTER
 - NMS = MANUAL-MOTOR STARTER SWITCH
 - CSD = COMBINATION STARTER/DISCONNECT SWITCH
- FURNISH WITH FACTORY-SUPPLIED DISCONNECT SWITCH BY MECHANICAL CONTRACTOR.
 - FURNISH 30A-3P NON-FUSED DISCONNECT SWITCH AT UNIT.

Branch Panel: BAY14 (EXISTING / RELOCATED)
 Location: CORRIDOR 1C2 Volts: 120/208 V_{LL} A.I.C. Rating:
 Supply From: Phases: 3 Mains Type: MLO
 Mounting: Recessed Wires: 4 Mains Rating: 100 A
 Enclosure: Type 1 MCB Rating: 1 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				2000	1260			1	20 A	Recepts Room 1800, 5	2
3	RTU-2	30 A	3		2000	680		1	20 A	Recepts Room 1, 6	4
5						2000	1080	1	20 A	Recepts Room F102, 5	6
7	ROOF RECEPTS	20 A	1	360	360			1	20 A	Recepts	8
9					900						10
11	MNP-1	25 A	2			900					12
Total Load:				3480 VA	3580 VA	3480 VA					
Total Amps:				34 A	30 A	34 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	40 VA	125.00%	50 VA	
Recepts	3600 VA	100.00%	3600 VA	Total Conn. Load: 11540 VA
Fans	100 VA	125.00%	125 VA	Total Est. Demand: 11575 VA
Mechanical Cooling	6000 VA	100.00%	6000 VA	Total Conn. Current: 32 A
Misc	1800 VA	100.00%	1800 VA	Total Est. Demand: 32 A
				Non-Coincident HVAC: 0 A
				Total Est. Demand-NC: 32 A

Notes:

Branch Panel: H14
 Location: CORRIDOR 1C2 Volts: 480/277 V_{LL} A.I.C. Rating: 14K
 Supply From: Phases: 3 Mains Type: MLO
 Mounting: Recessed Wires: 4 Mains Rating: 100 A
 Enclosure: Type 1 MCB Rating: 1 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				7333	2000					2	
3	RTU-3	35 A	3		7333	2000		3	15 A	CU-1	4
5						7333	2000				6
7				4681	2000						8
9	FCU-1	25 A	3		4681	2000		3	15 A	EDH-1	10
11						4681	2000				12
13											14
15											16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
Total Load:				16014 VA	16014 VA	16014 VA					
Total Amps:				58 A	58 A	58 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Mechanical Cooling	42043 VA	100.00%	42043 VA	Total Conn. Load: 48043 VA
Mechanical Heating	6000 VA	100.00%	6000 VA	Total Est. Demand: 48043 VA
				Total Conn. Current: 58 A
				Total Est. Demand: 58 A
				Non-Coincident HVAC: 7 A
				Total Est. Demand-NC: 51 A

Notes:

DATE	DESCRIPTION
12.20.2021	ISSUED FOR PERMIT



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ELECTRICAL SCHEDULES

TITLE	DATE	SCALE
MM	08/19/21	1:1

E5.1

PROJECT NO.	REV.
21090	

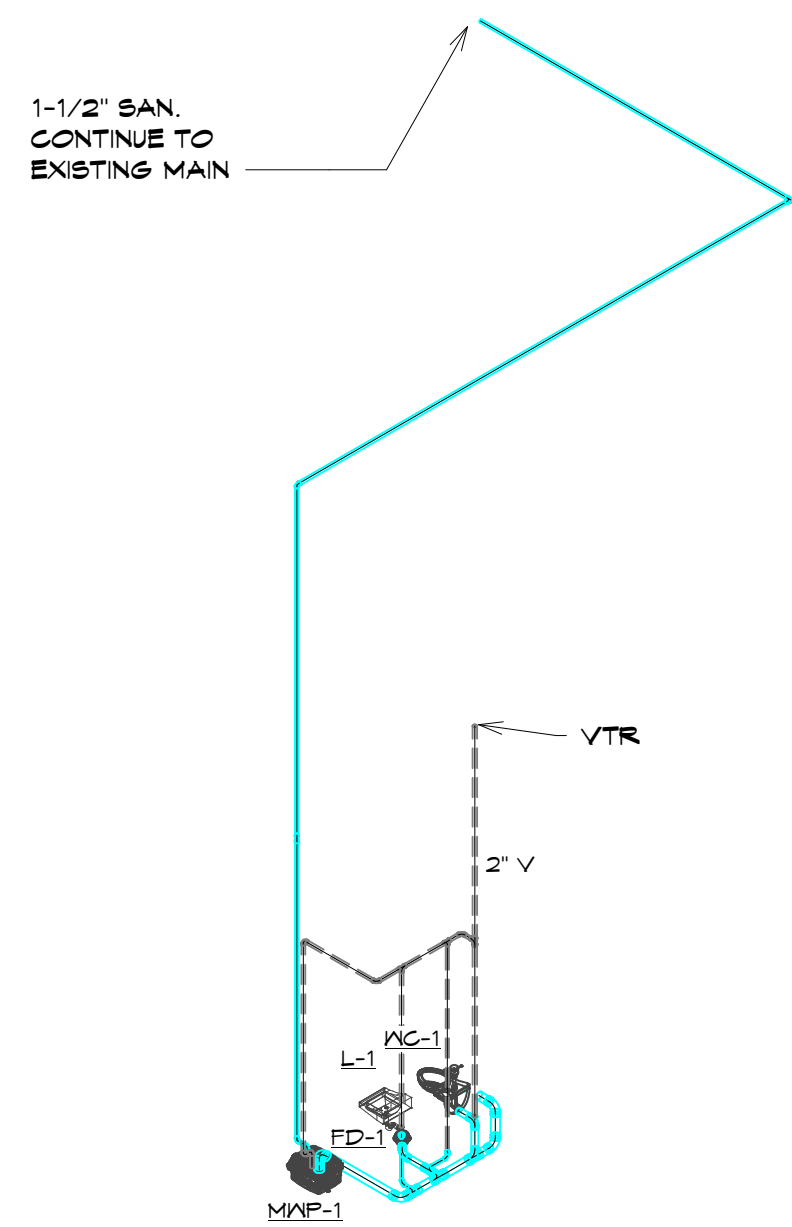
ISSUED FOR CONSTRUCTION

EMORY UNIVERSITY - Emory Office - 12/20/2021 - 12:20:21 PM - 12:20:21 PM - 12:20:21 PM

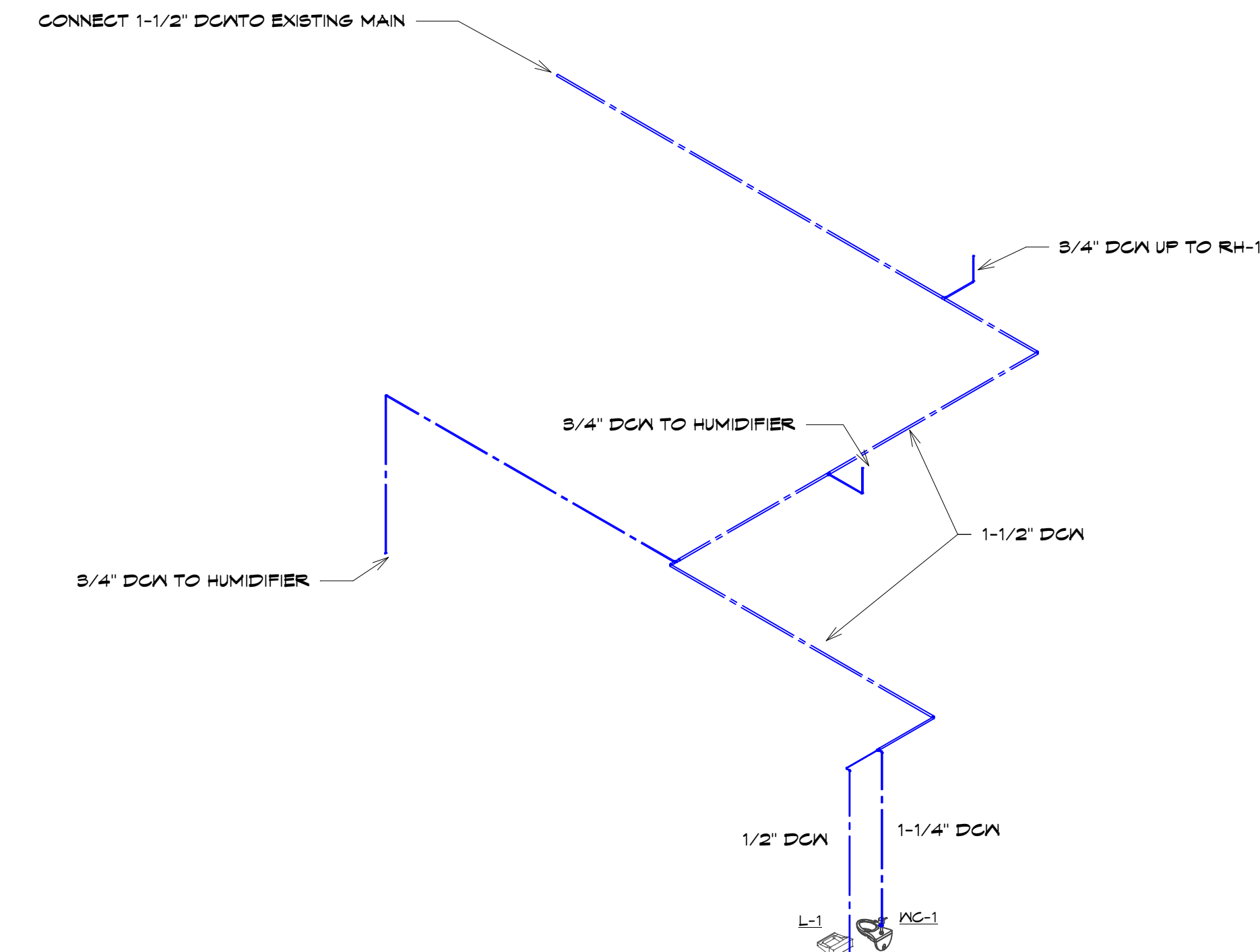
PLUMBING FIXTURE & EQUIPMENT SCHEDULE							
TAG	DESCRIPTION	MFR.	MODEL NO.	MATERIAL	COLOR	VALVE/FAUCET	REMARKS
FD-1	FLOOR DRAIN	SIoux CHIEF	833-238DNR	CAST IRON	-	-	3" 3" PIPE SIZE FOR SANITARY, CAST IRON BODY, 5 1/2" NICKEL BRONZE
L-1	WALL HUNG LAVATORY	AMERICAN STANDARD	0395-012.02	VITREOUS CHINA	WHITE	AMERICAN STANDARD 614114.002	ADA, CAST BRASS CENTERSET, NO HOT WATER.
WC-1	WATER CLOSET	AMERICAN STANDARD	3351.101	VITREOUS CHINA	WHITE	SLOAN 111-1.6 ES-S TMO	WALL MOUNTED FIXTURE, ELONGATED BOWL, HARD-WIRED (110V), SENSOR OPERATED 1.6 GPF FLUSH VALVE W/ MECHANICAL OVERRIDE, 1 1/2" TOP SPUD, AMERICAN STANDARD 3405.11055 SEAT, CHAIR CARRIER, 11" TO RIM, FOR EACH TOILET ROOM PROVIDE (1) EL-154 TRANSFORMER CAPABLE OF SERVING UP TO (10) FLUSH VALVES (REQUIREMENT FOR ONLY FOUR)
WC-2	WATER CLOSET	AMERICAN STANDARD	3351.101	VITREOUS CHINA	WHITE	SLOAN 111-1.6 ES-S TMO	WALL MOUNTED FIXTURE, ELONGATED BOWL, HARD-WIRED (110V), SENSOR OPERATED 1.6 GPF FLUSH VALVE W/ MECHANICAL OVERRIDE, 1 1/2" TOP SPUD, AMERICAN STANDARD 3405.11055 SEAT, CHAIR CARRIER, 13" TO RIM, FOR EACH TOILET ROOM PROVIDE (1) EL-154 TRANSFORMER CAPABLE OF SERVING UP TO (10) FLUSH VALVES (REQUIREMENT FOR ONLY FOUR)
MMP-1	MASCERATING WASTE PUMP	SANIFLO	SANIGUBIG 2	-	-	-	PRESSURE SWITCH ACTIVATION, MAXIMUM DISCHARGE OF 36 FT VERTICAL AND 325 FT HORIZONTAL.

PLUMBING SYMBOLS	
LINE STYLE	LINE STYLE
→ DN	⌋ GATE VALVE
→ UP	⌋ CHECK VALVE
→ TEE DN	⌋ BALL VALVE
→ TEE UP	⌋ FLUG VALVE
→ CAP	FD 0 FLOOR DRAIN
→ UNION	FCO 0 FLOOR CLEANOUT
→ REDUCER	PCO 1 WALL CLEANOUT
→ STRAINER	PCO 2 CLEANOUT
→ BACKFLOW PREVENTER	

PIPING LEGEND		
LINE STYLE	ABBY.	SERVICE
→	SAN	SANITARY
→	V	VENT
→	ST	STORM
→	SV	STORM VENT
→	S	NATURAL GAS
→	DCW	DOMESTIC COLD WATER
→	DHW	DOMESTIC HOT WATER
→	DHWR	DOMESTIC HOT WATER RETURN
→	DTW	DOMESTIC TEPID WATER



SOIL, WASTE, & VENT ISOMETRIC



DOMESTIC WATER ISOMETRIC

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	12.20.2021



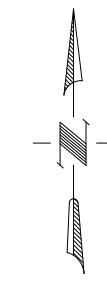
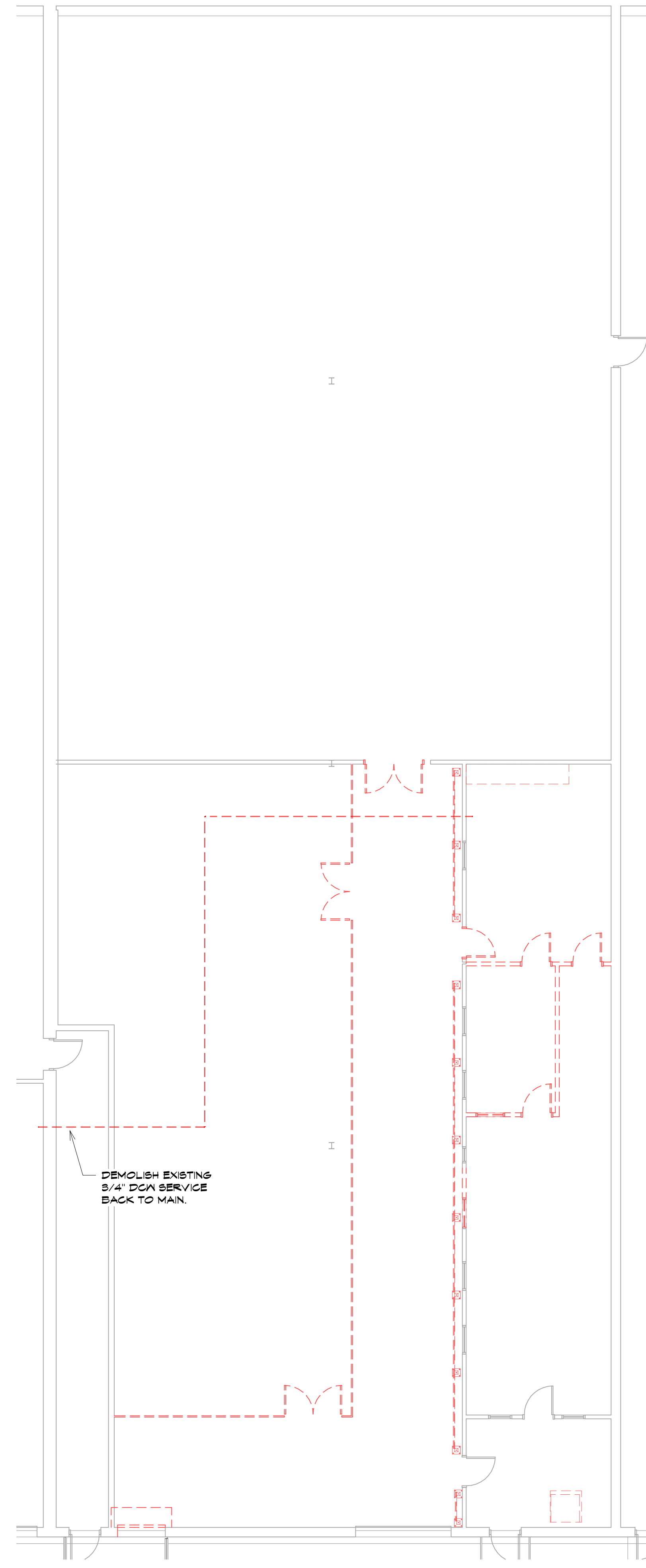
EMORY FM RELOCATION
EMORY UNIVERSITY
 1762 CLIFTON ROAD SUITE 1650.
 ATLANTA, GA 30322

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ABBREVIATIONS, SYMBOLS, SCHEDULES AND CALCULATIONS

TITLE	Author	CHKD	Checker
DATE	02/17/21	SCALE	1/8" = 1'-0"
DRAWING NO.	PN1.1		
PROJECT NO.	XXXXX	REV	

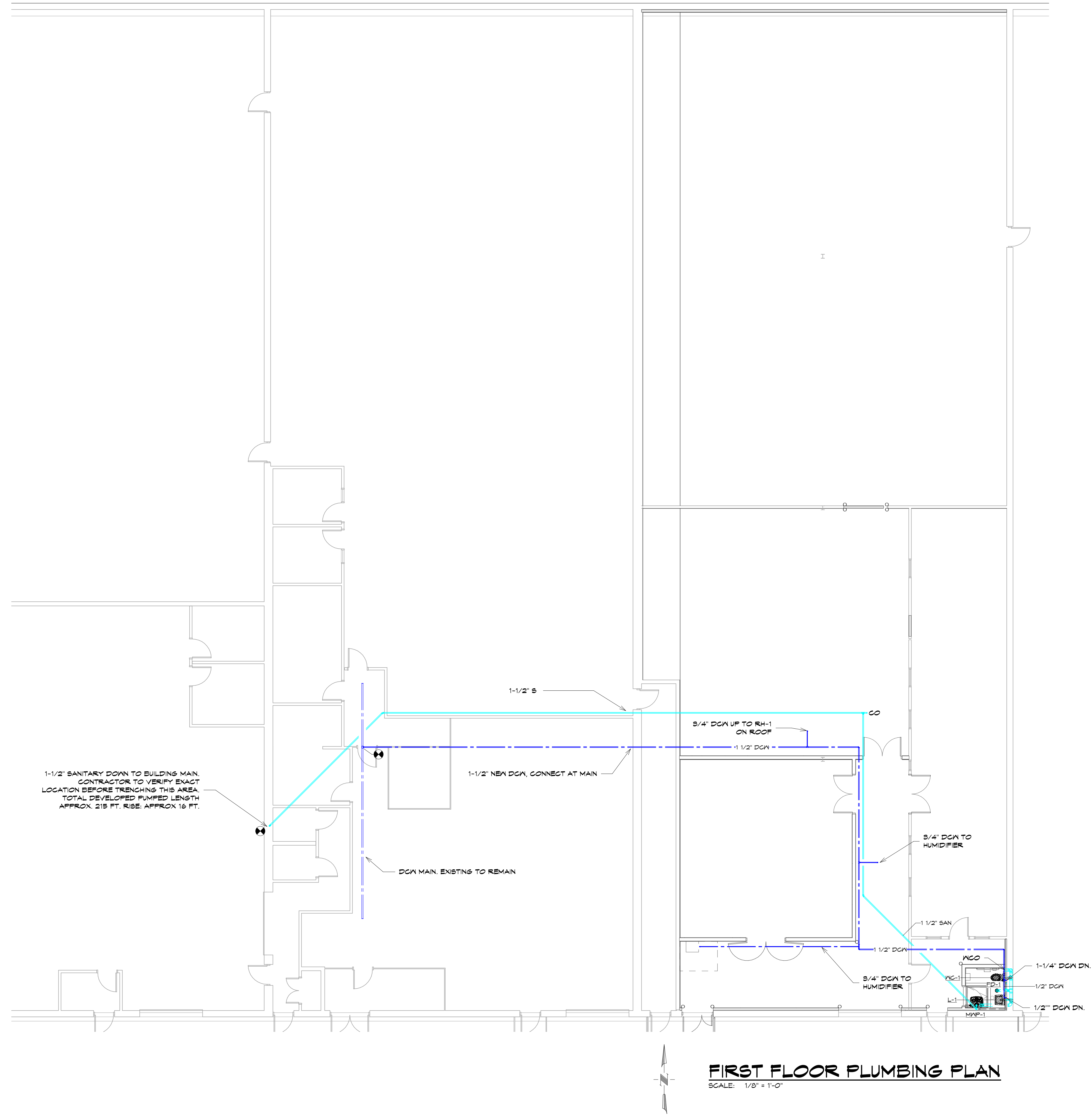


DEMOLITION FIRST FLOOR PLUMBING PLAN
 SCALE: 1/8" = 1'-0"



ISSUED FOR CONSTRUCTION

DATE	12.20.2021
NO.	1
DESCRIPTION	ISSUED FOR PERMIT
<p>EMORY FM RELOCATION EMORY UNIVERSITY 1782 CLIFTON ROAD SUITE 1550. ATLANTA, GA 30322</p>	
<p>121 N. BRANFORD AVE., SUITE 1100 DEERFIELD, WISCONSIN 53015 PHONE: (262) 957-8200 FAX: (262) 957-2899 www.performa.com</p>	
<p>DEMOLITION - FIRST FLOOR PLUMBING PLAN</p>	
TITLE	
DRAWN	Author
DATE	08/19/2021
DRAWING NO.	P0.1
PROJECT NO.	XXXXX
CHKD	Checker
SCALE	1/8" = 1'-0"
REV	1



1-1/2" SANTARY DOWN TO BUILDING MAIN.
CONTRACTOR TO VERIFY EXACT
LOCATION BEFORE TRENCHING THIS AREA.
TOTAL DEVELOPED PUMPED LENGTH
APPROX. 215 FT. RISE: APPROX 16 FT.

FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"

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FIRST FLOOR PLUMBING PLAN

DATE	08/19/2021	SCALE	1/8" = 1'-0"
DRAWING NO.	P1.1		
PROJECT NO.	XXXXX	REV.	1



EMORY FM RELOCATION
EMORY UNIVERSITY
1782 CLIFTON ROAD SUITE 1550,
ATLANTA, GA 30322

NO.	1	DESCRIPTION	ISSUED FOR PERMIT
DATE	12.20.2021		