

Champion

POORSCHE

1-STORY SERVICE GARAGE



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**Building Permit Submittal for:
Existing Building "B"
ALTERATION-LEVEL 3
300 NW 24th Street
Pompano Beach, Florida 33064**

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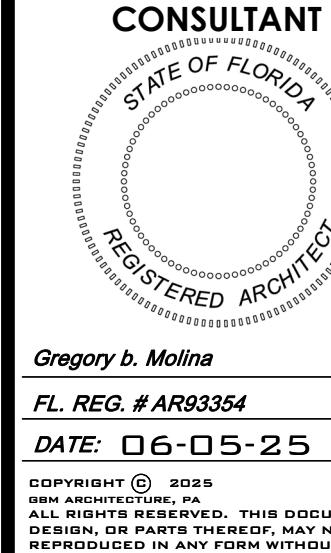
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CITY OF POMPANO BEACH
CITY OF BROWARD COUNTY

DRAWING ISSUE DATES:	Stiles Core
06/05/2025	Received

COVER

SHEET
A-0.0

PROJECT 2208048
DATE 06-05-25
PERMIT NO.

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Stiles Construction
Received 06/05/2025

ISOMETRIC VIEWS

SHEET
A-0.2

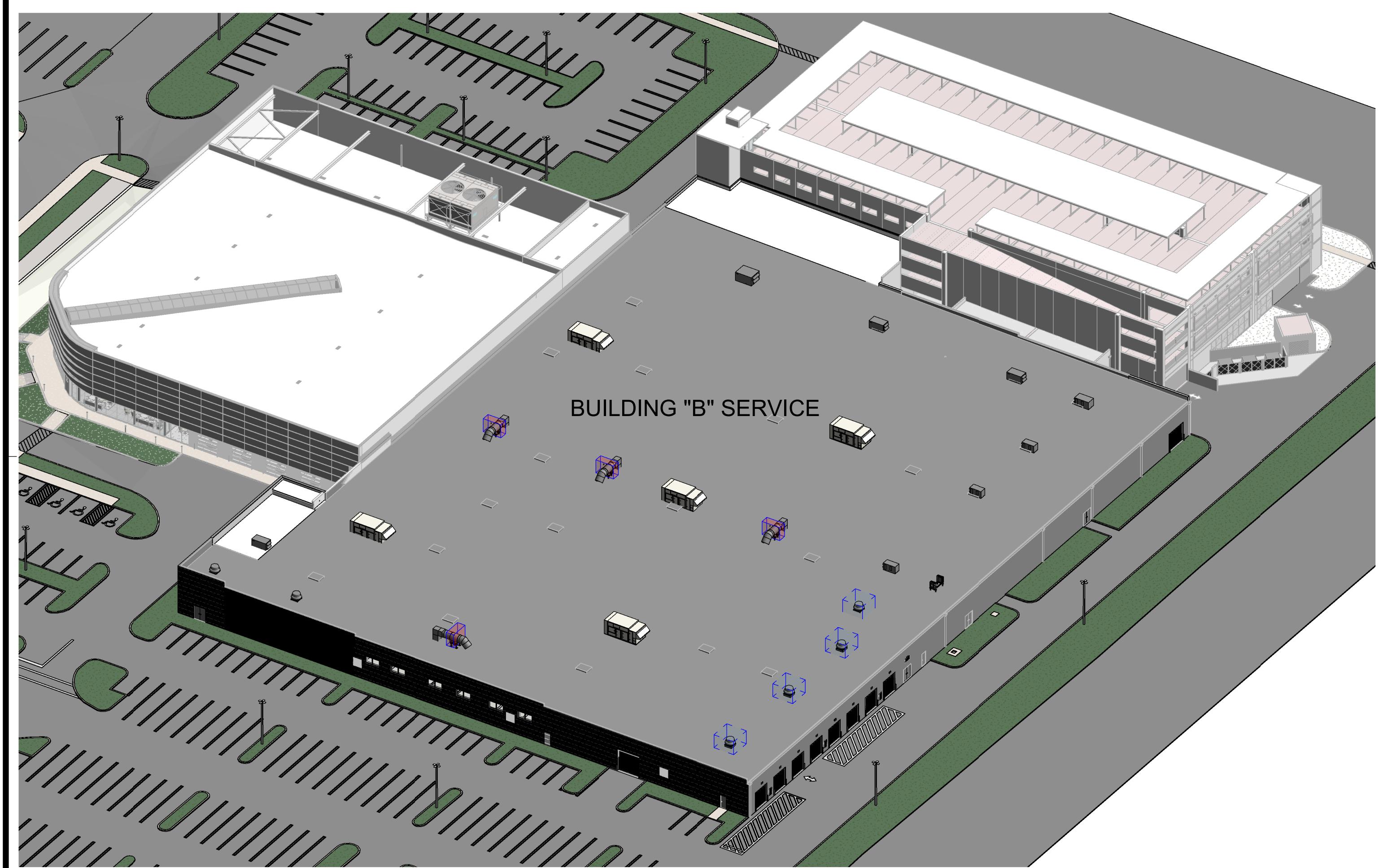
PROJECT 2208048
DATE 06-05-25
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Isometric View 04 SCALE: 04



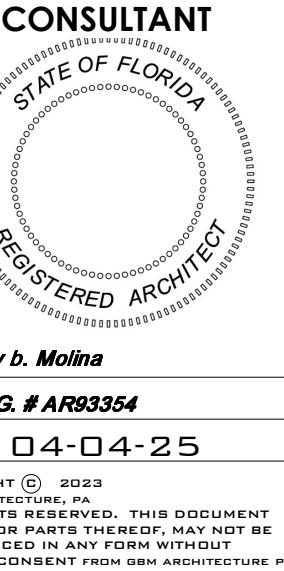
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Isometric View 02 SCALE: 02



Isometric View 01 SCALE: 01



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CITY OF POMPANO BEACH

DRAWING ISSUE DATES:

MECHANICAL NOTES

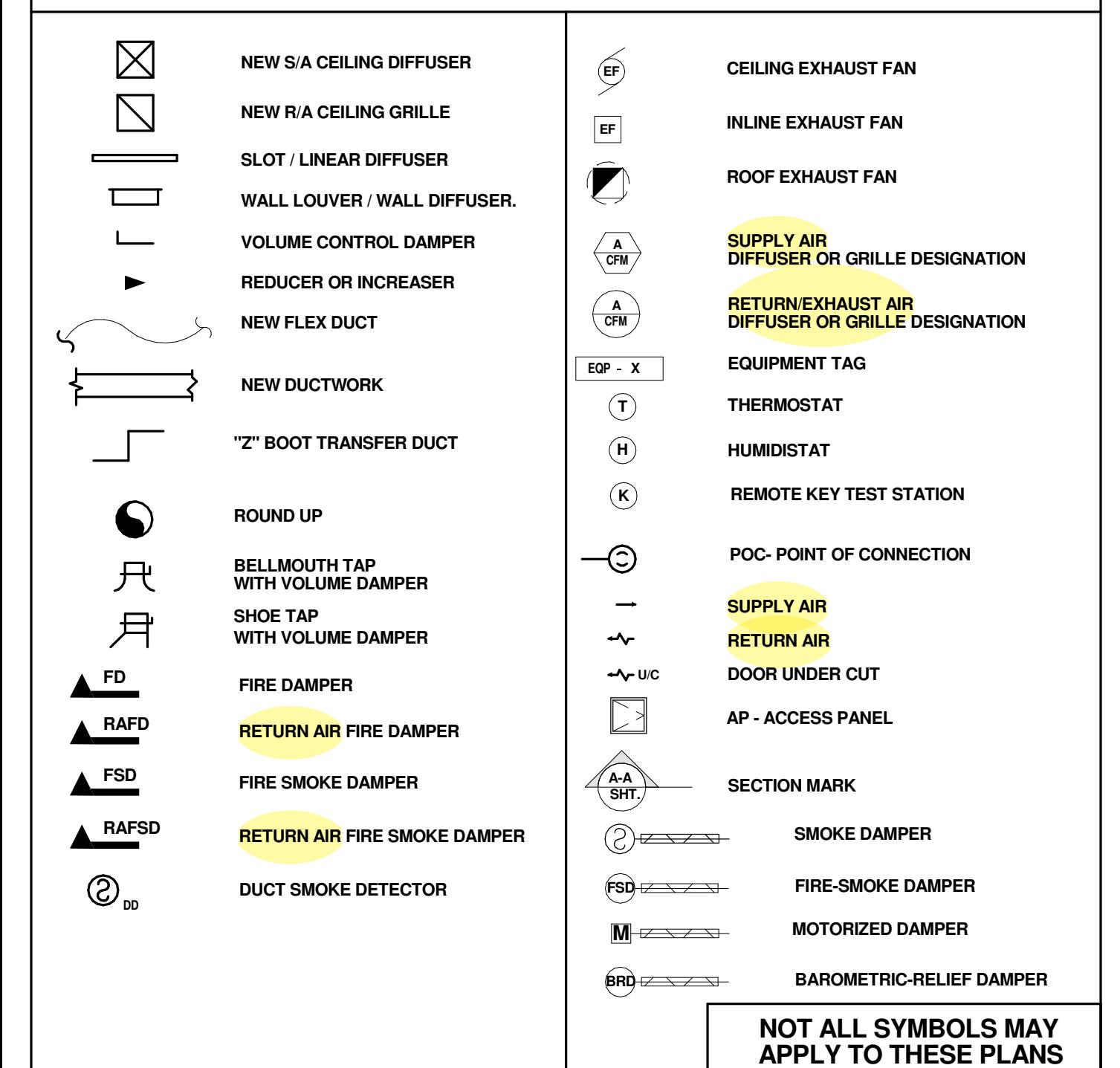
SHEET

M O - 1
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DATE 0 4 - 0 - 4 - 2 5
PERMIT NO.

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Grand total: 22		

MECHANICAL LEGEND



HVAC ABBREVIATION LEGEND

AFF	ABOVE FINISH FLOOR	GR	GRILLE
AHU	AIR HANDLING UNIT	MCA	MINIMUM CIRCUIT AMPS (FOR WIRE SIZING)
CU	CONDENSING UNIT	MOPC	MAXIMUM OVERCURRENT PROTECTION DEVICE AMPS
EWT	ENTERING WATER TEMPERATURE	LWT	LEAVING WATER TEMPERATURE
EAG	EXHAUST AIR GRILLE	R/A	RETURN AIR
EF	EXHAUST FAN	RAG	RETURN AIR GRILLE
EXH	EXHAUST	O/A	OUTSIDE AIR
FD	FIRE DAMPER	M/A	MAKE-UP AIR
E/A	EXHAUST AIR	WMS	WIRE MESH SCREEN
S/A	SUPPLY AIR	CG	CEILING
N	NEW	BDD	BACK DRAFT DAMPER
E	EXISTING	RE	RELOCATED

COMMISSIONING NOTE

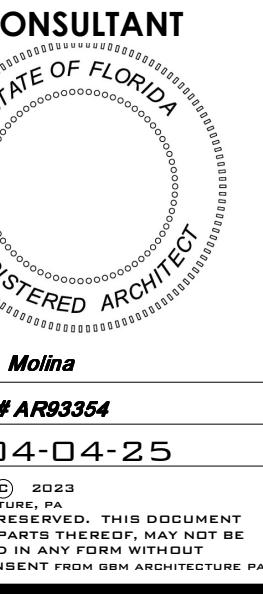
MECHANICAL SYSTEMS SHALL BE COMMISSIONED IN COMPLIANCE WITH FEC 2023, SEC. C408, WITH THE TWO LISTED EXCEPTIONS. THE OWNER/MECHANICAL CONTRACTOR SHALL PROVIDE TO THE E.O.R. DESIGN PROFESSIONAL ALL NECESSARY DOCUMENTATION REQUIRED BY THE BUILDING OFFICIAL PRIOR TO FINAL INSPECTION, PROVING EVIDENCE OF SYSTEM BALANCING REPORTS FOR C408.2.4 AND C408.2.5.
 a. A COMMISSIONING PLAN SHALL BE COMPLETED AND CERTIFIED BY A REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY PER SEC. 408.2.1.
 b. A PRELIMINARY REPORT OF COMMISSIONING TESTS AND RESULTS SHALL BE COMPLETED AND CERTIFIED BY A REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY AND PROVIDED TO THE BUILDING OWNER. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" PER SEC. C408.2.4.
 c. THE COMMISSIONING REPORT SHALL BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY PER SEC. C408.2.5 AND SHALL INCLUDE: 1) DRAWINGS, 2) MANUALS, 3) SYSTEM BALANCING REPORT, AND 4) FINAL COMMISSIONING REPORT.

ISSUED FOR PERMIT
ISSUED FOR CONSTRUCTION

 KAMM CONSULTING PROJECT #: 2024-0115 BUILDING B
PROJECT MANAGER: JOE ZIMMER

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1407 West Newport Drive
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 Bid#4227-Stiles-Rec.6.11.25



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FL. REG. # AR93354

DATE: 04-04-25

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BROWARD COUNTY

PORSCHE CHAMPION CENTER

GENERATION V

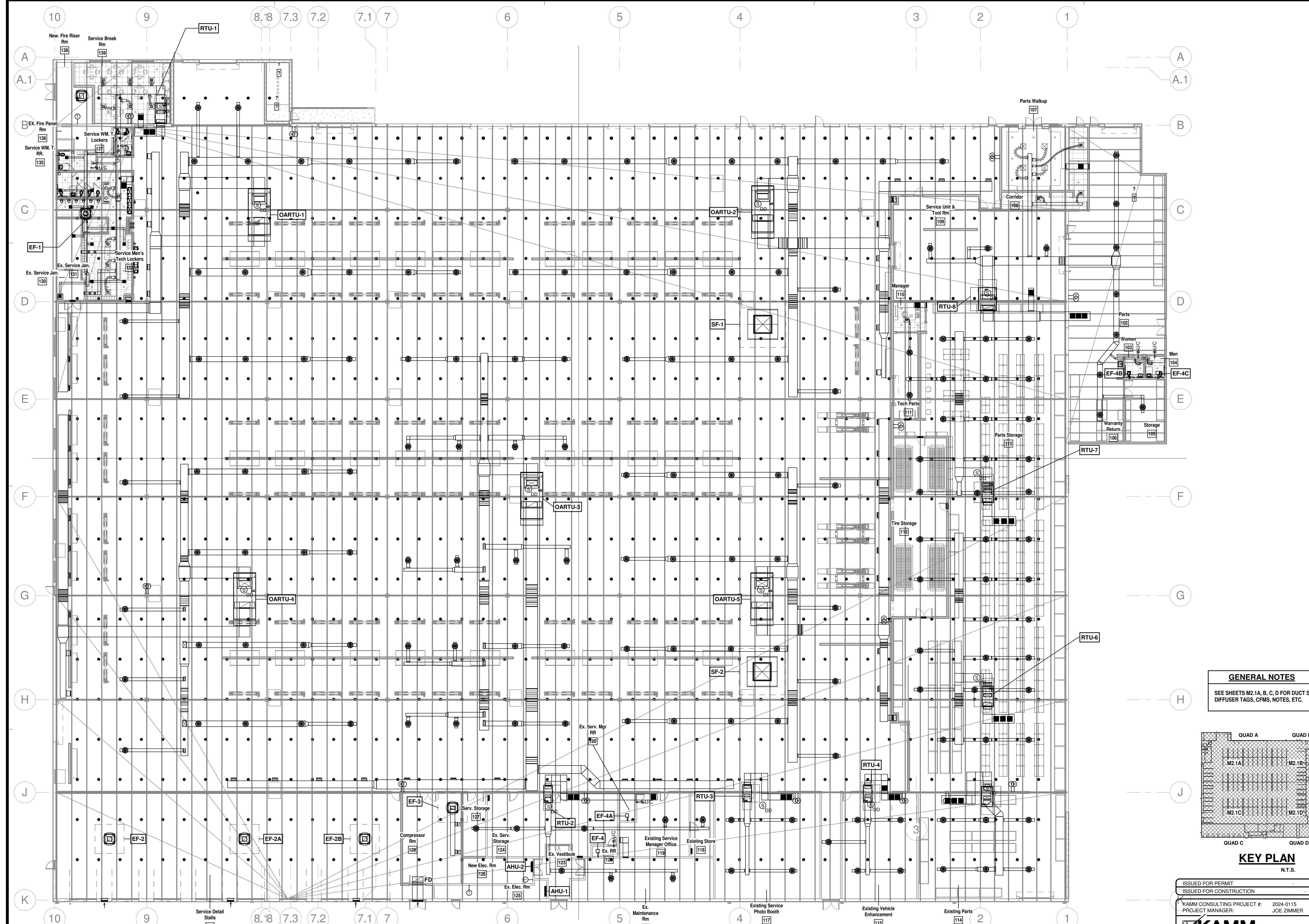
300 NW 24TH STREET

POMPANO BEACH, FL 33064

CITY OF POMPANO BEACH

Construction V

Stiles

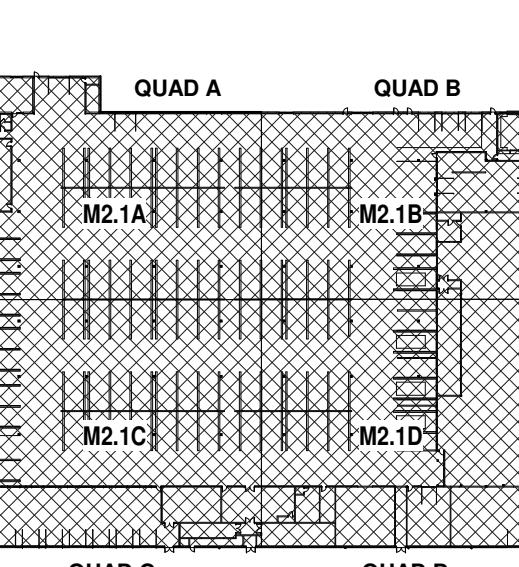


1st FL. MECHANICAL CEILING PLAN PLAN OLD

1/16" = 1'-0"

Bid#4227-Stiles-Rec.6.11.25

GENERAL NOTES
SEE SHEETS M2.1A, B, C, D FOR DUCT SIZES,
DIFFUSER TAGS, CFMS, NOTES, ETC.



KEY PLAN

N.T.S.

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KAMM CONSULTING PROJECT #: 2024-0115 BUILDING B
PROJECT MANAGER: JOE ZIMMER

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05/21/2025

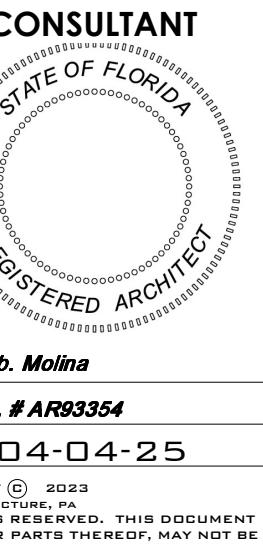
**MECHANICAL
PLAN OVERALL**

SHEET

M 2 - 1

PROJECT 220802
DATE 04-04-25

PERMIT NO.



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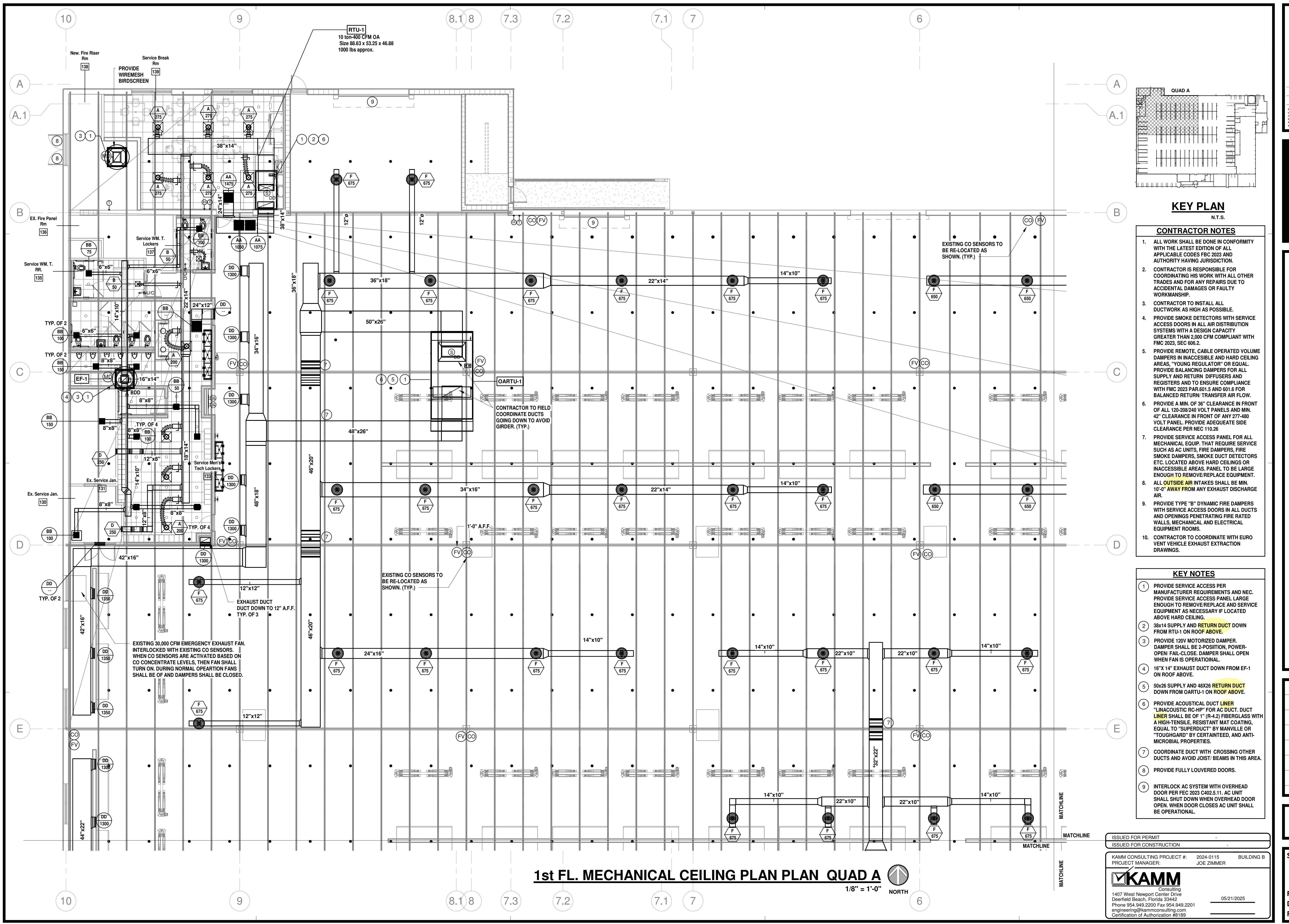
PORSCHE CHAMPION CENTER
GENERATION V
300 NW 24TH STREET
POMPANO BEACH, FL 33064
BROWARD COUNTY
CITY OF POMPANO BEACH

Stiles Construction
Structural Engineering
Architectural Services

DRAWING ISSUE DATES:
10/09/2023

1ST FLOOR
MECHANICAL
PLAN QUAD A

SHEET
M 2 - 1 A
PROJECT 220802
DATE 04-04-25
PERMIT NO.



PORSCHE CHAMPION CENTER

GENERATION V
CITY OF POMPANO BEACH

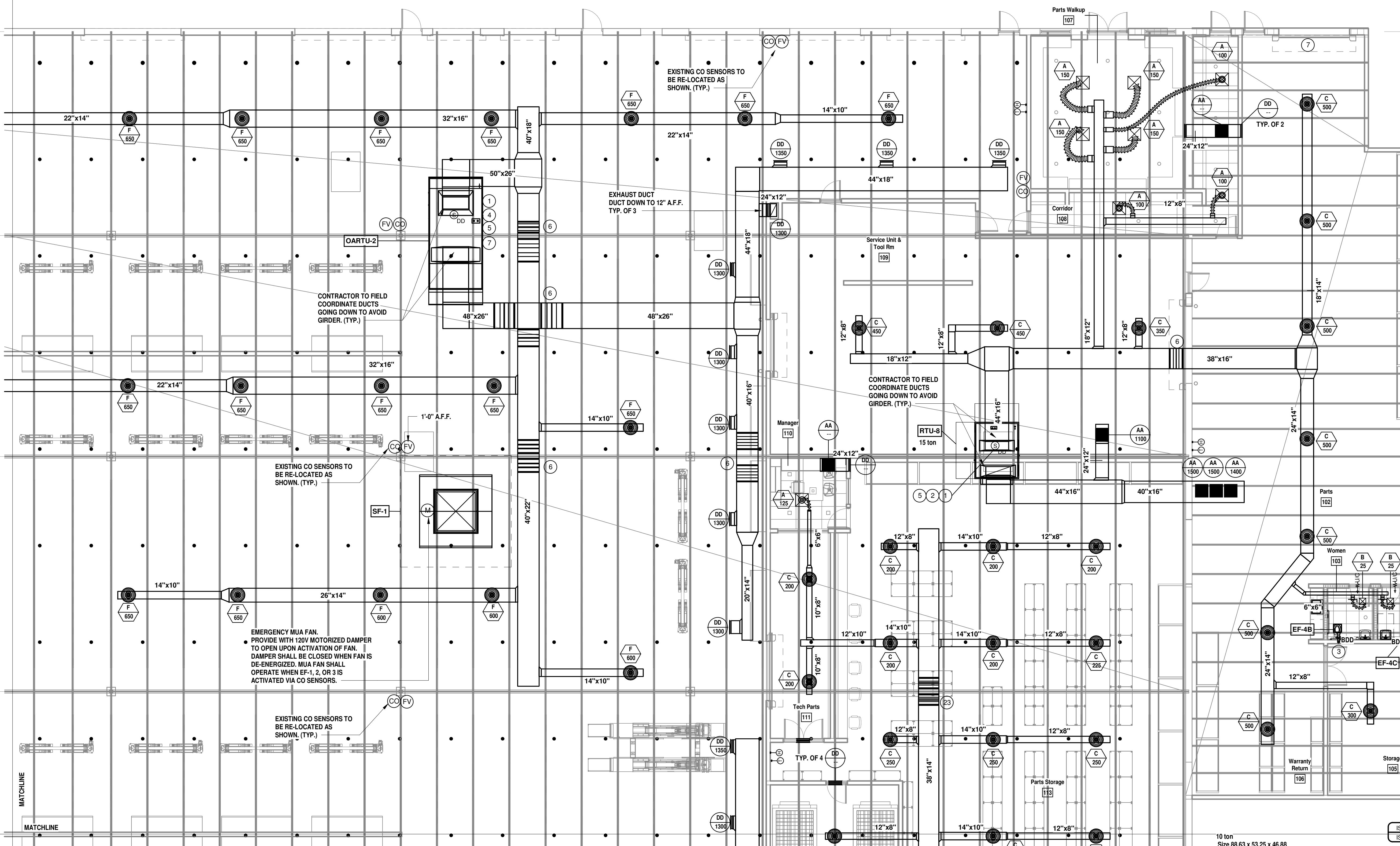
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POMPANO BEACH, FL 33064

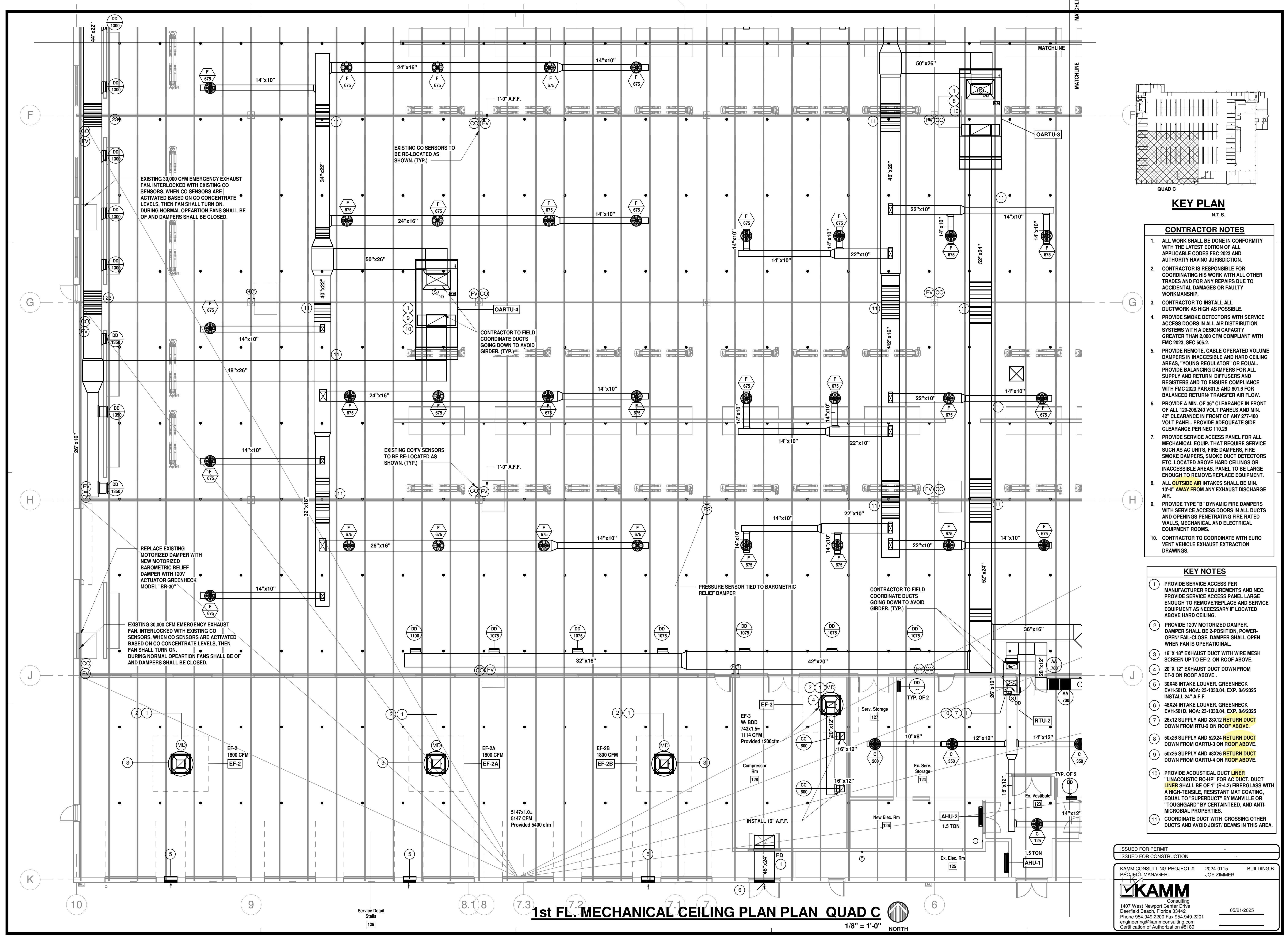
BROWARD COUNTY

DRAWING ISSUE DATES:
Stiles Construction 04/04/2023

1ST FLOOR
MECHANICAL
PLAN QUAD B

SHEET
M 2-1 B
PROJECT 220802
DATE 04-04-25
PERMIT NO.





CONSULTANT

STATE OF FLORIDA

REGISTERED ARCHITECT

Gregory b. Molina

ATE: 04-04-25

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COUNTY

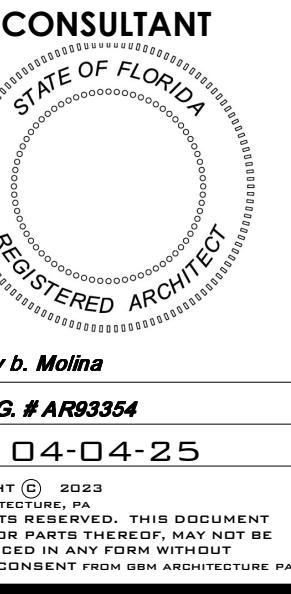
CHAMPION CENTER

PORSCHE GENERATION V

**1ST FLOOR
MECHANICAL
PLAN QUAD C**

HEET
M 2-1 C
PROJECT 220802
ATE 04-04-25
ERMIT NO.

Bid#4227-Stiles-Rec.6.11.25



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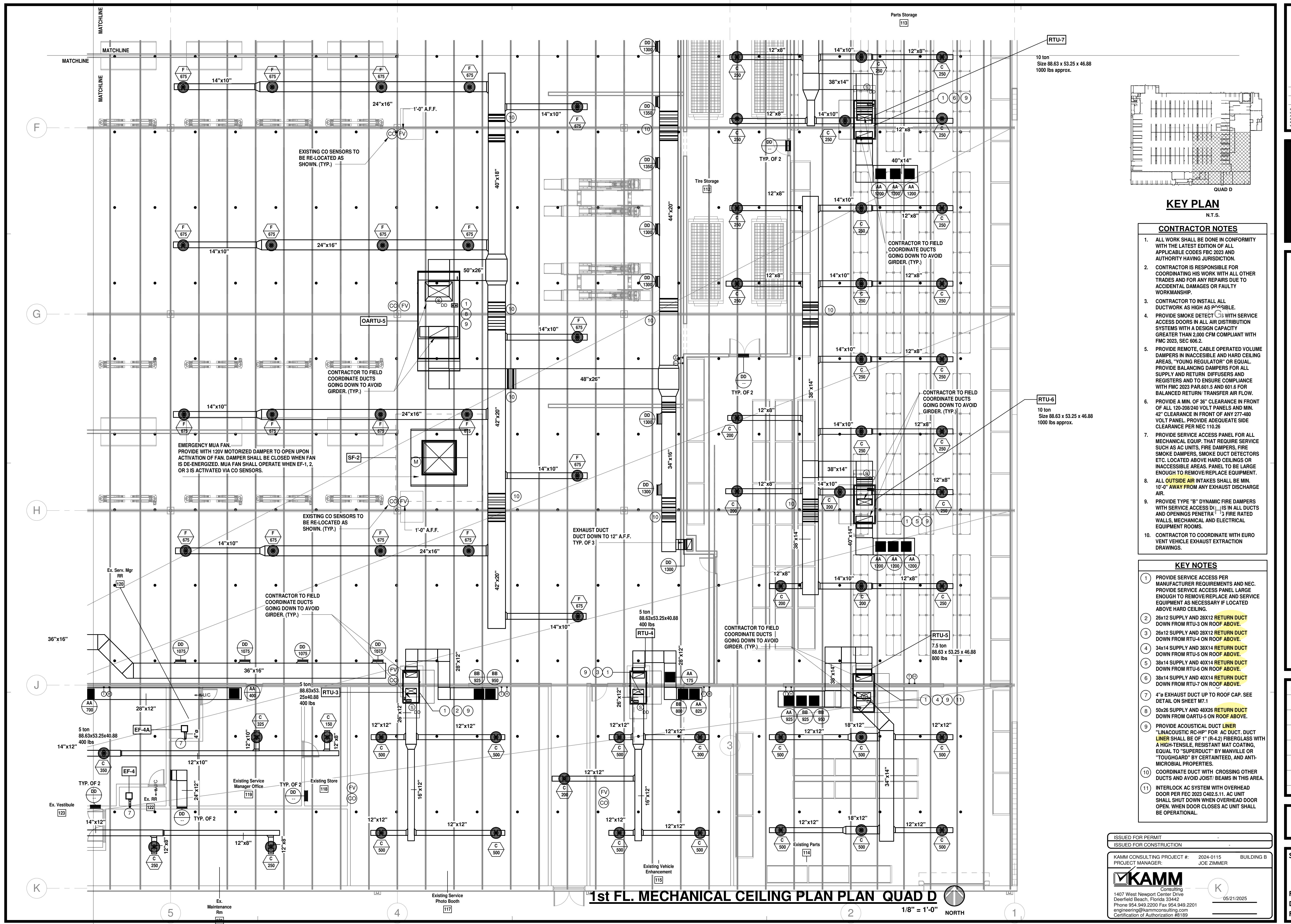
PORSCHE CHAMPION CENTER
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POMPANO BEACH, FL 33064
CITY OF POMPANO BEACH
BROWARD COUNTY

Still Co. Construction
Services Inc.

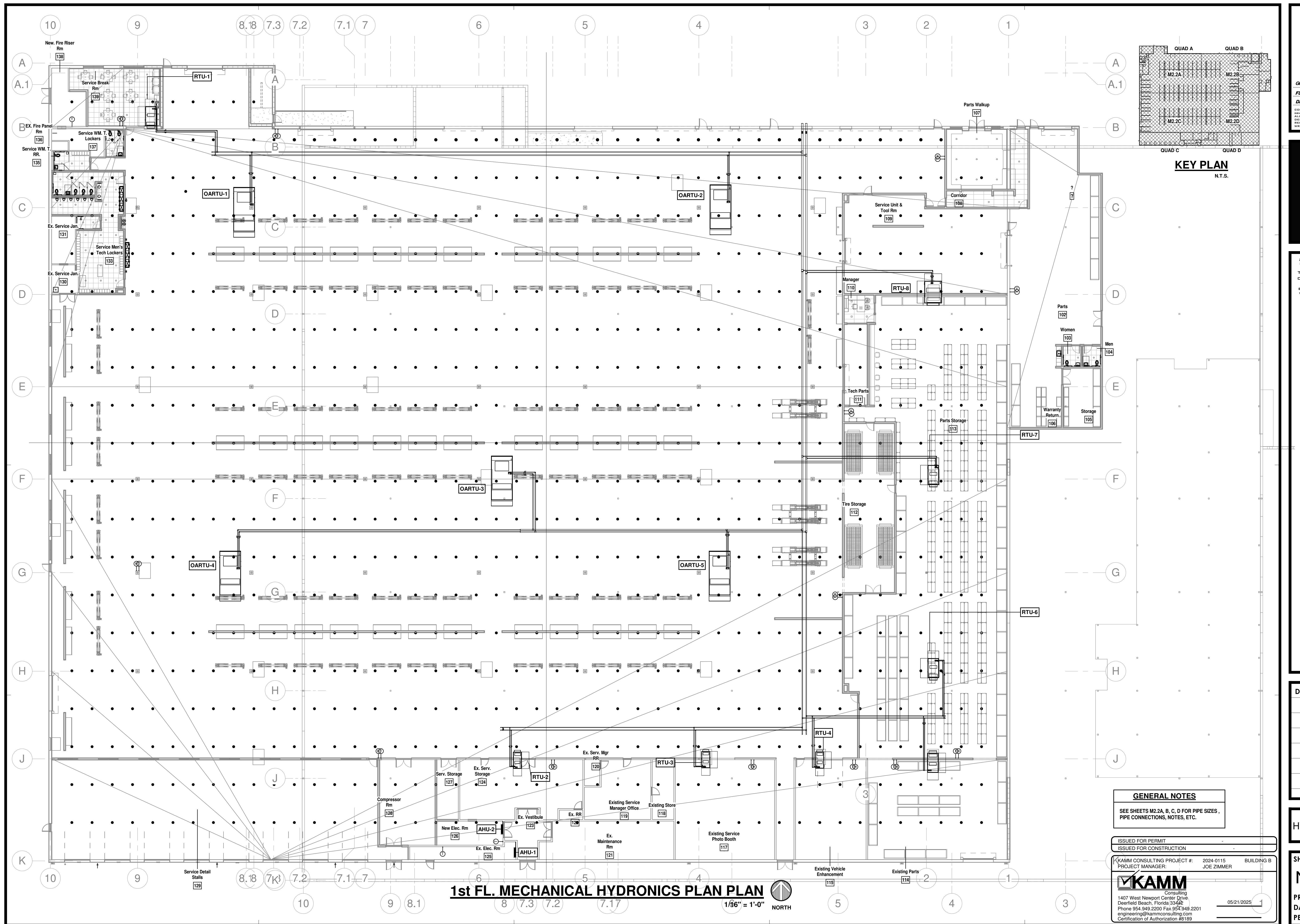
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04/04/2025

1ST FLOOR
MECHANICAL
PLAN QUAD D

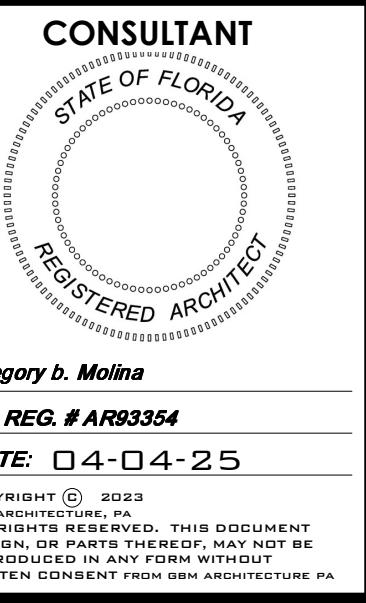
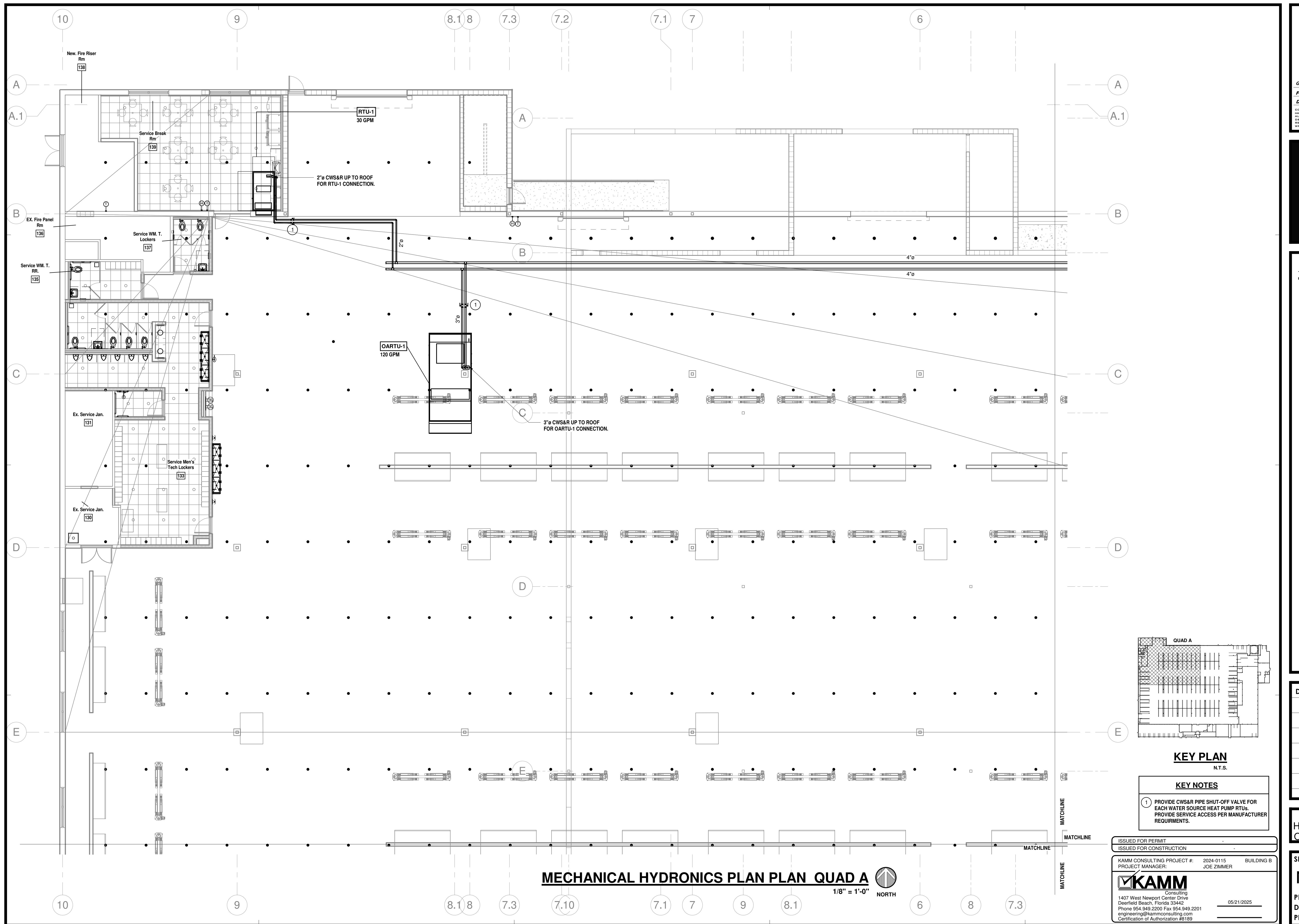
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M 2-1 D
PROJECT 220802
DATE 04-04-25
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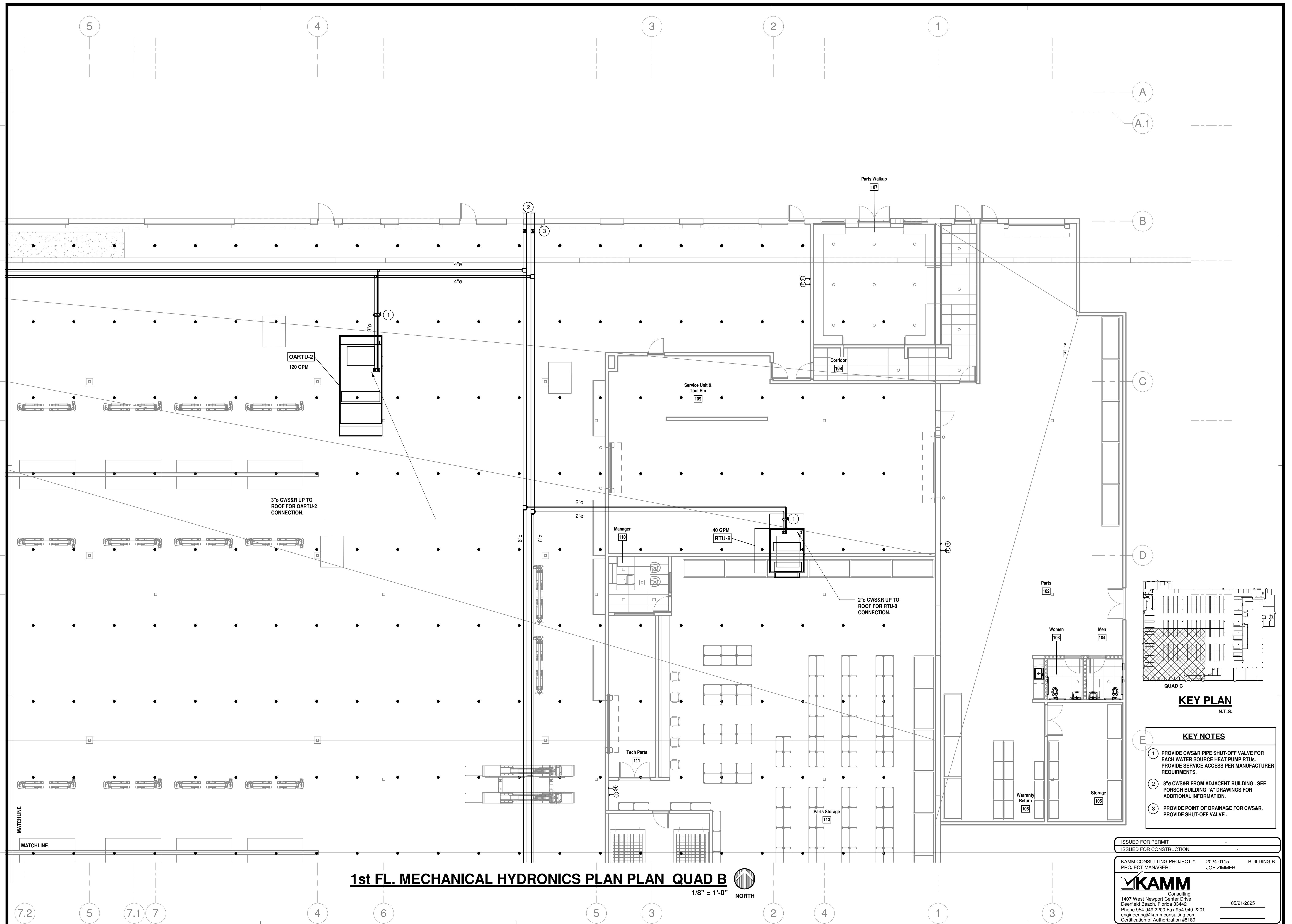
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BROWARD COUNTY
CITY OF POMPANO BEACH

DRAWING ISSUE DATES:
04/04/2023

MECHANICAL
HYDRONICS PLAN
OVERALL QUAD A

SHEET
M 2-2A
PROJECT 220802
DATE 04-04-25
PERMIT NO. 05/21/2025



Bid#4227-Stiles-Rec.6.11.25

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STATE OF FLORIDA
REGISTERED ARCHITECT
Gregory b. Molina
FL. REG. # AR93354
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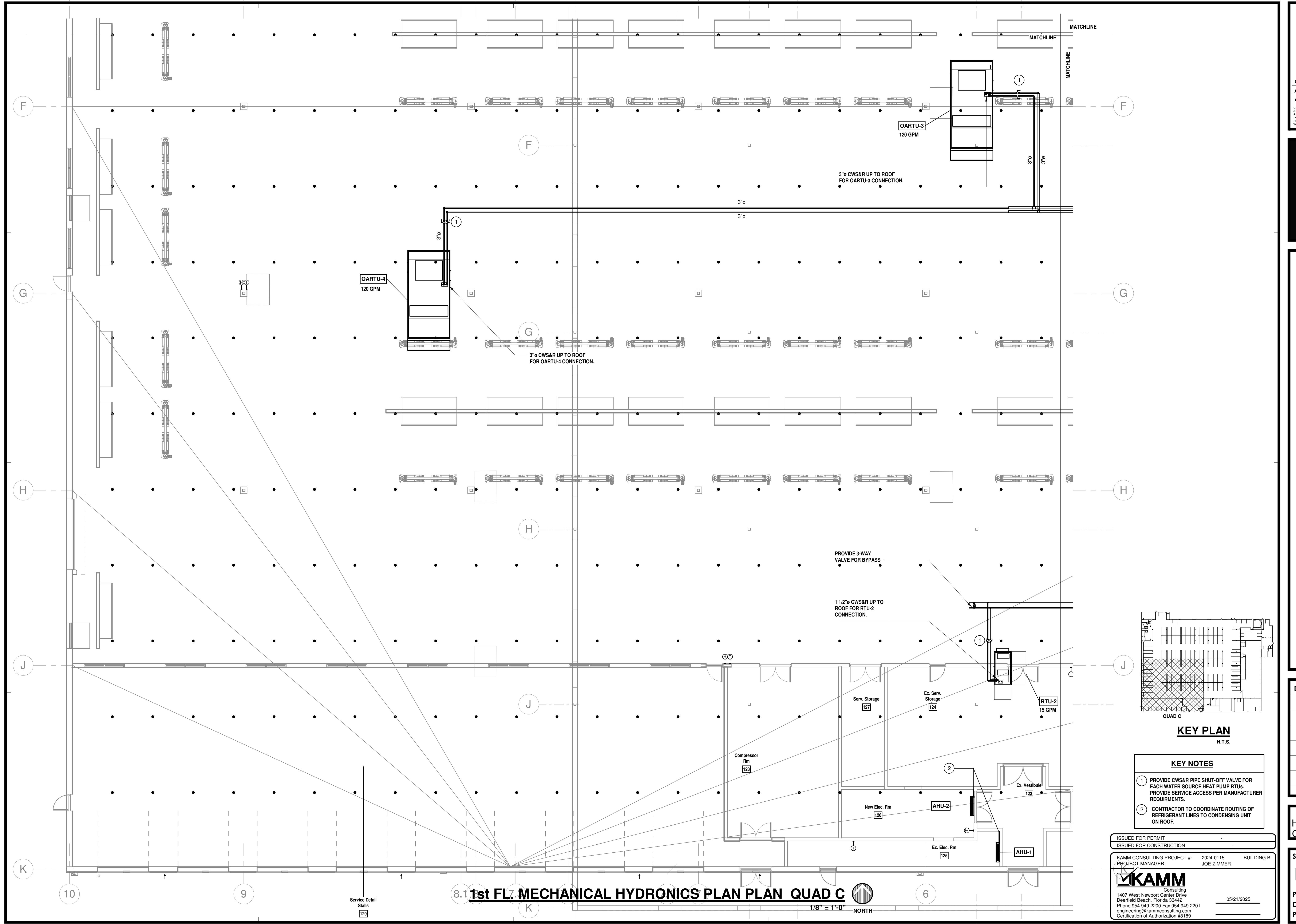
BROWARD COUNTY

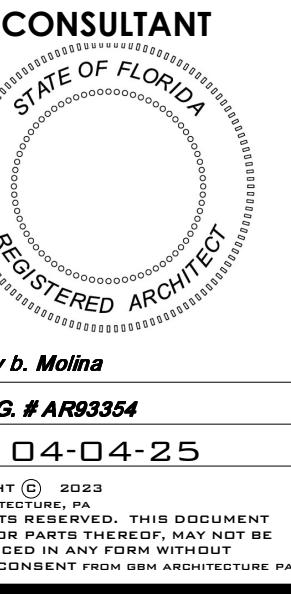
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MECHANICAL
HYDRONICS PLAN
OVERALL QUAD C

SHEET
M 2-2C
PROJECT 220802
DATE 04-04-25
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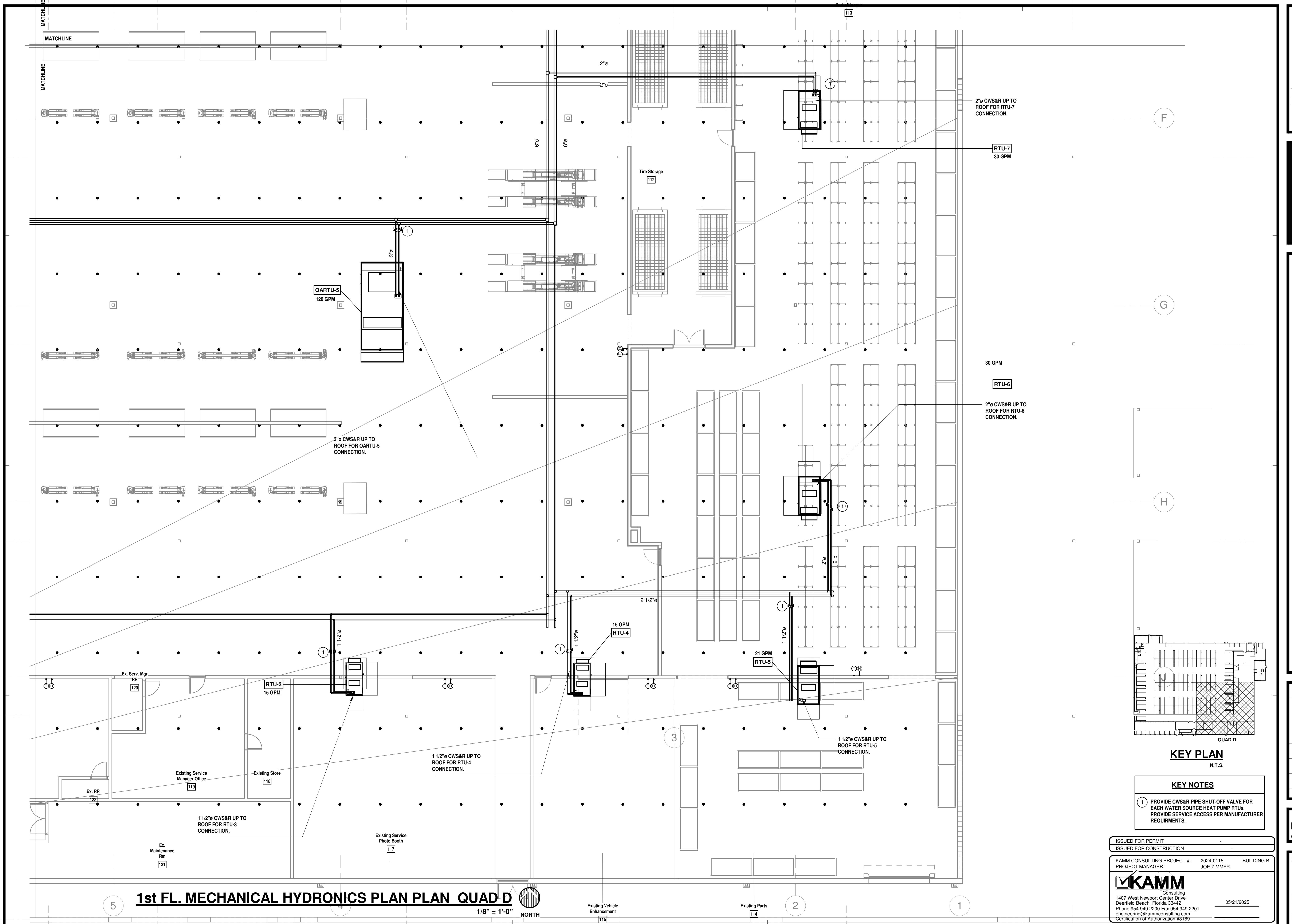
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MECHANICAL HYDRONICS PLAN
OVERALL QUAD D

SHEET
M 2-2D
PROJECT 220802
DATE 04-04-25
PERMIT NO.



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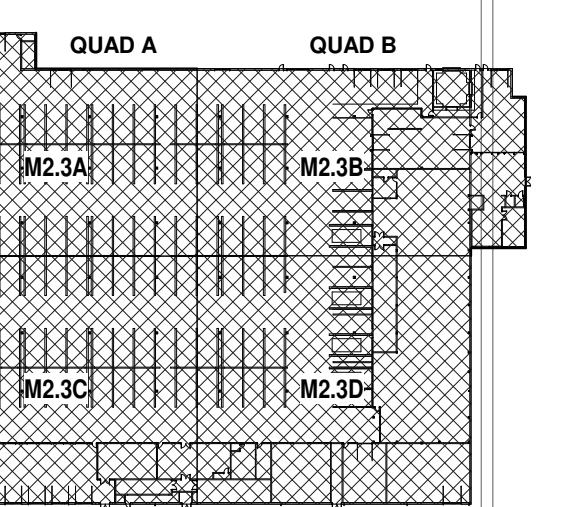
DRAWING ISSUE DATES:

MECHANICAL
ROOF PLAN
OVERALL NOT
USED

SHEET

M 2-3

PROJECT 220802
DATE 04-04-25
PERMIT NO.



KEY PLAN

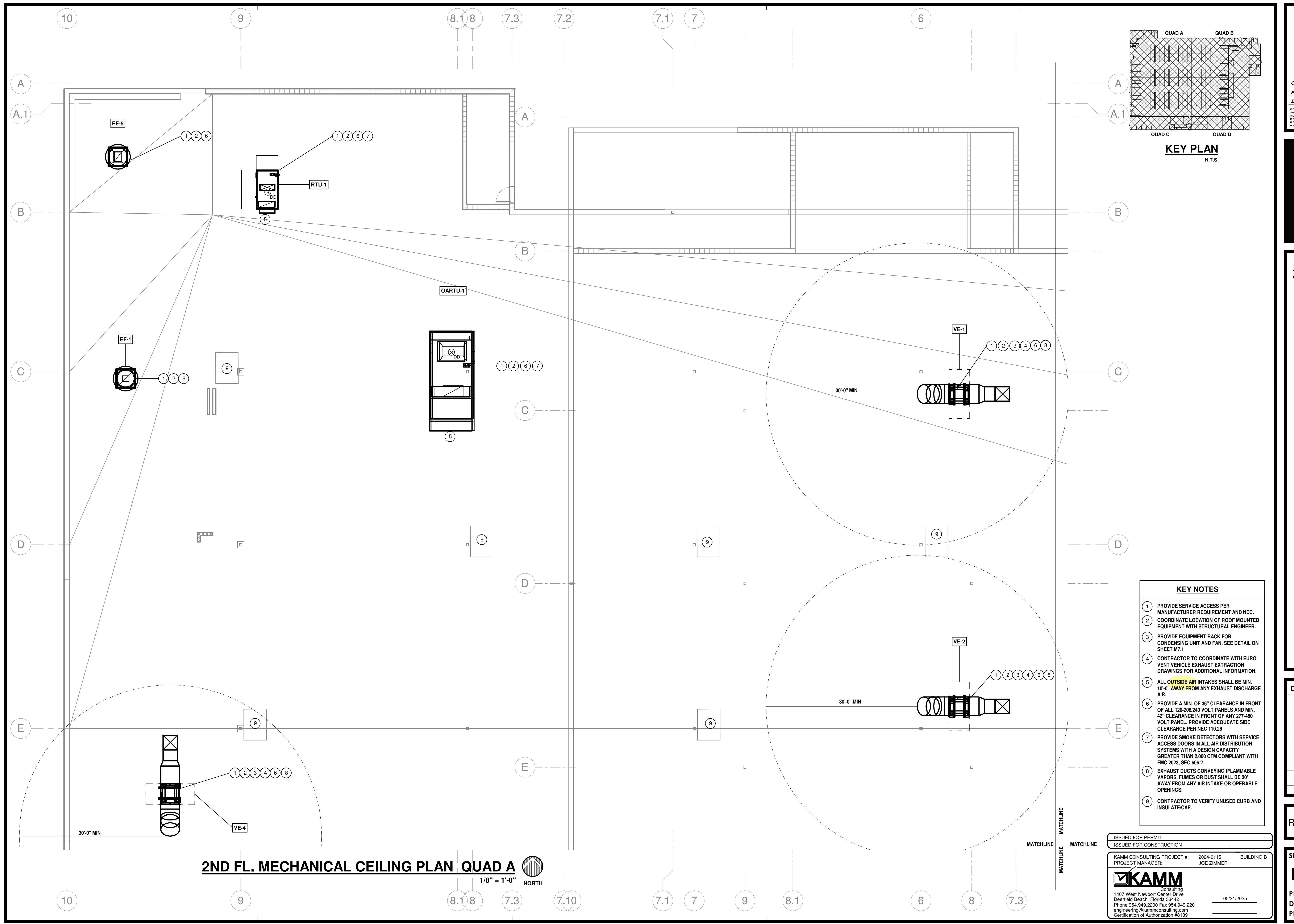
N.T.S.

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ISSUED FOR CONSTRUCTION
KAMM CONSULTING PROJECT #: 2024-0115
PROJECT MANAGER: JOE ZIMMER
BUILDING B
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Deerfield Beach, Florida 33442
Phone 954.949.2200 Fax 954.949.2201
engineering@kammconsulting.com
Certification of Authorization #8189
05/21/2025

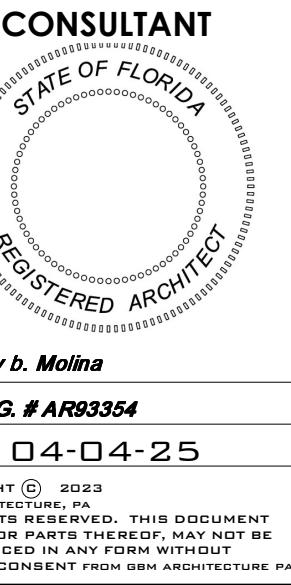
MECHANICAL ROOF PLAN-OVERALL

1/16" = 1'-0"

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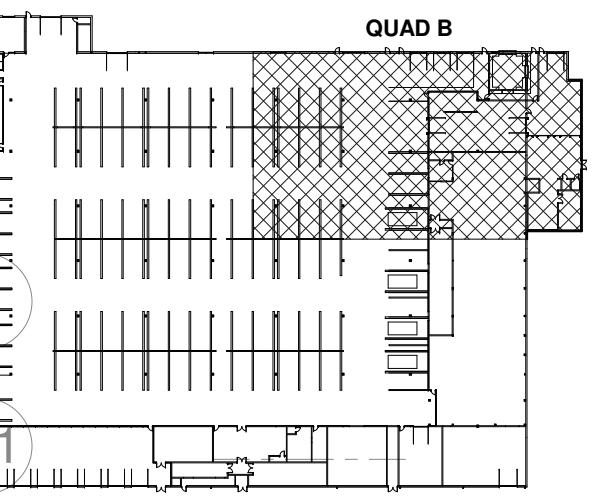
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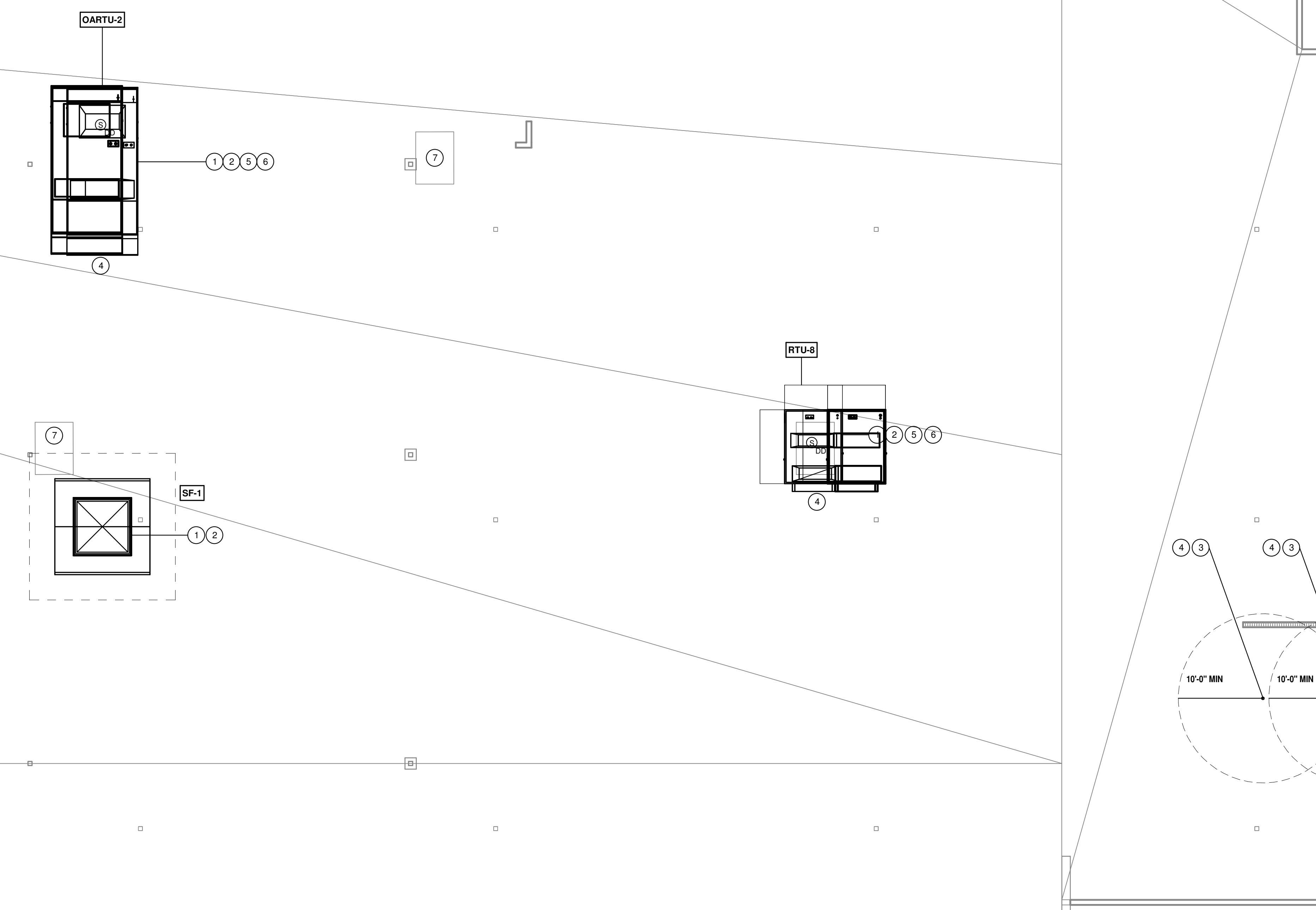
MECHANICAL
ROOF PLAN QUAD
B

SHEET
M 2 - 3 B
PROJECT 220802
DATE 04-04-25
PERMIT NO.



KEY PLAN
N.T.S.

KEY NOTES	
①	PROVIDE SERVICE ACCESS PER MANUFACTURER REQUIREMENT AND NEC.
②	COORDINATE LOCATION OF ROOF MOUNTED EQUIPMENT WITH STRUCTURAL ENGINEER.
③	PROVIDE ROOF CAP FOR EXHAUST DUCT. SEE DETAIL ON SHEET M7.1
④	ALL OUTSIDE AIR INTAKES SHALL BE MIN. 10'-0" AWAY FROM ANY EXHAUST DISCHARGE AIR.
⑤	PROVIDE A MIN. OF 36" CLEARANCE IN FRONT OF ALL 120-208-240 VOLT PANELS AND MIN. 42" CLEARANCE IN FRONT OF ANY 277-480 VOLT PANEL. PROVIDE ADEQUATE SIDE CLEARANCE PER NEC 110.26
⑥	PROVIDE SMOKE DETECTORS WITH SERVICE ACCESS DOORS IN ALL AIR DISTRIBUTION SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2,000 CFM COMPLIANT WITH FMC 2023, SEC 606.2.
⑦	CONTRACTOR TO VERIFY UNUSED CURB AND INSULATE/CAP.



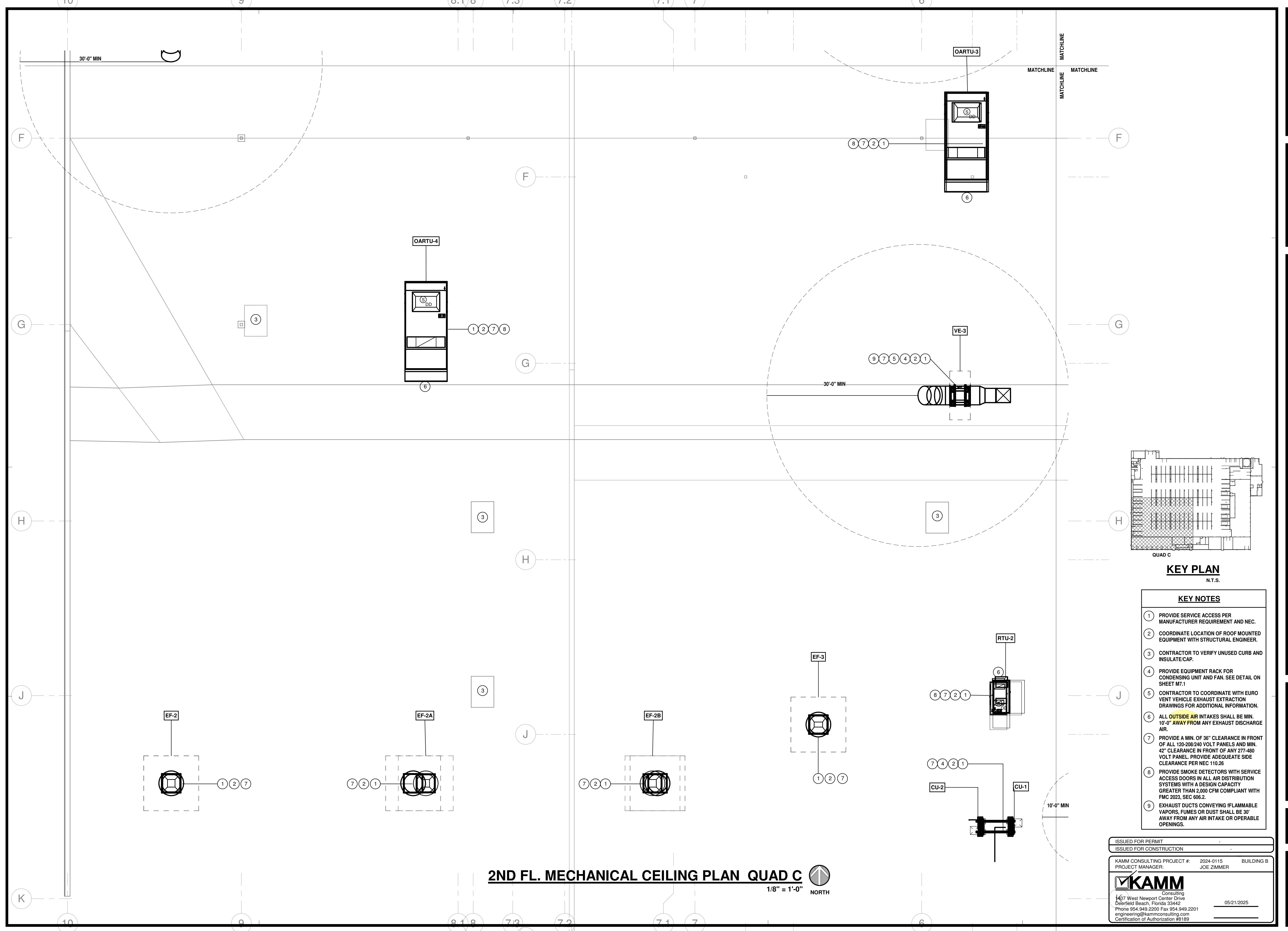
1/8" = 1'-0"

NORTH

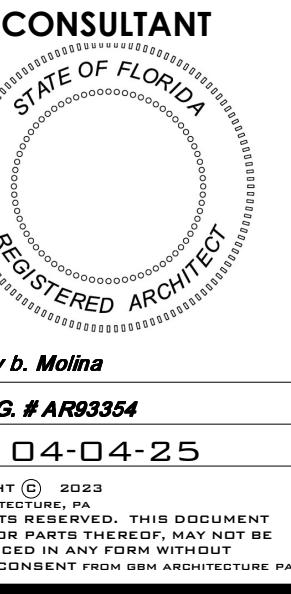
2ND FL. MECHANICAL CEILING PLAN QUAD B

5
4
3
2
1
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A1
B
B
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C
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D
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E
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E
MATCHLINE
MATCHLINE
MATCHLINE
7.2
5
7.1
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6
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3

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KAMM CONSULTING PROJECT #: 2024-0115 BUILDING B
PROJECT MANAGER: JOE ZIMMER
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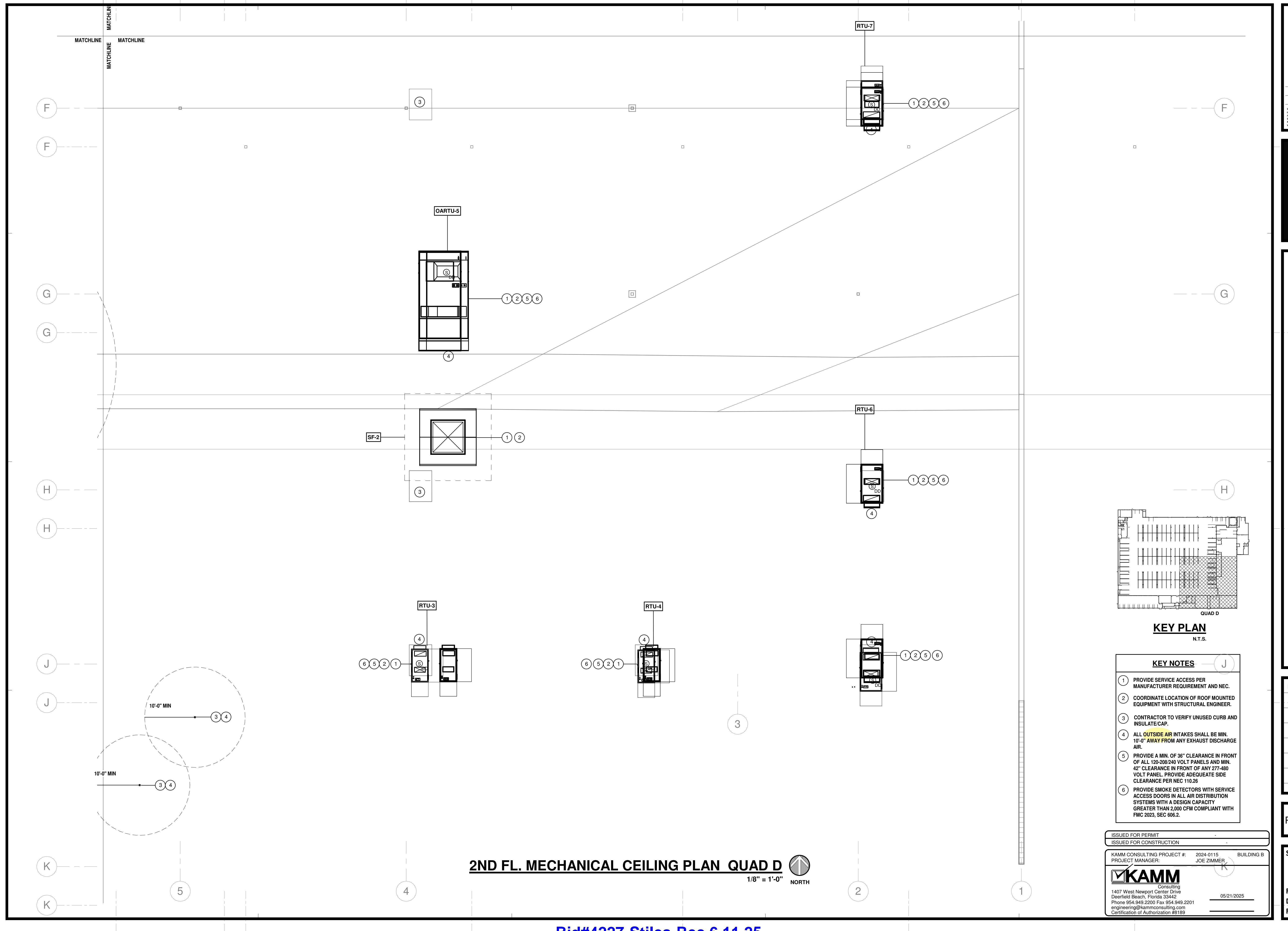
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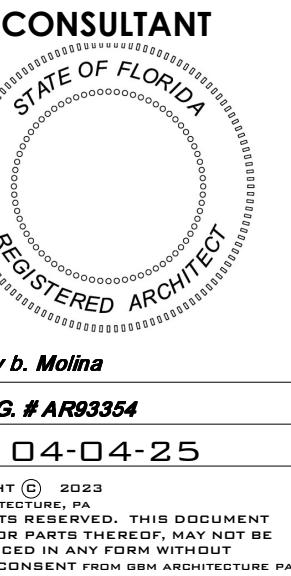
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Stiles Construction
Received 09/09/2023

MECHANICAL
ROOF PLAN QUAD
D

SHEET
M 2-3 D
PROJECT 220802
DATE 04-04-25
PERMIT NO.





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MECHANICAL SCHEDULES

SHEET
M 6 - 2
PROJECT 220802
DATE 04-04-25
PERMIT NO.

AIR BALANCE SCHEDULE-SERVICE BLDG

UNIT TAG	SUPPLY AIR (CFM)	RETURN (CFM)	OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)
RTU-1	4000	3600	400	-
RTU-2	2000	1800	200	-
RTU-3	2000	1875	125	-
RTU-4	2000	1800	200	-
RTU-5	3000	2800	200	-
RTU-6	4000	3600	400	-
RTU-7	4000	3600	400	-
RTU-8	6000	5500	500	-
OARTU-1	-	-	13500	12000
OARTU-2	-	-	13500	12000
OARTU-3	-	-	13500	12000
OARTU-4	-	-	13500	12000
OARTU-5	-	-	13500	12000
EF-1	-	-	-	1350
EF-4	-	-	-	50
EF-4A	-	-	-	50
EF-4B	-	-	-	50
EF-4C	-	-	-	50
TOTAL	27000.0	24575.0	69925.0	61550.0

NOTES:
1. BLDG SPACE IS 69925-61550= 8375 CFM POSITIVE WHEN A/C UNITS AND EXHAUST FANS ARE OPERATING

OUTSIDE AIR CALCULATIONS

AREA SERVED/ AC UNIT	NET OCCUPYABLE AREA SQ.FT.	VENTILATION RATE O/A CFM/SQ.FT.	ACTUAL OCCUP. NO. OF PEOPLE	VENTILATION RATE O/A CFM/PERSON	COMBINED TOTAL CFM O/A REQ'D		COMBINED TOTAL CFM O/A PROV'D	NOTES
					CFM O/A PROV'D	CFM O/A REQ'D		
RTU-1 (BREAK RM & RR)	2503	0.06	38	5	150+190=340	400	1,2	
RTU-2 (SER. MNGR & RR)	3056	0.06	2	5	183+10=193	200	1,2	
RTU-3 (PHOTO BOOTH)	1554	0.06	2	5	93+10=103	125	1,2	
RTU-4 (VEHICLE ENH.)	1134	0.06	2	5	68+10=78	200	1,2	
RTU-5 (EX. PARTS)	2189	0.06	5	5	131+25=151	200	1,2	
RTU-6 (PARTS STORAGE)	5839	0.06	4	5	350+20=370	400	1,2	
RTU-7 (PARTS STORAGE)	5839	0.06	4	5	350+20=370	400	1,2	
RTU-8 (PARTS REC.)	7044	0.06	10	5	422+50=472	500	1,2	
OARTU-1 Thru 5 (SERVICE BAY)	77456	0.75	-	-	5892+0=5892	67500	1,2	
TOTAL	106614.0		67.0		1707	69925.0		

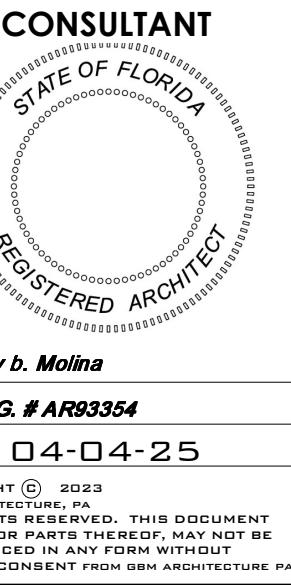
NOTES:
1. CALCULATIONS ARE BASED ON ESTIMATED MAX. OCCUPANCY RATES PER ARCHITECTURAL PLANS AND FBC-2023;
2. FOR OFFICE AND OTHER SIMILAR AREAS CALCULATIONS ARE BASED ON CONTINUOUS OCCUPANCY.

EXHAUST AIR CALCULATIONS

SPACE SERVED OR UNIT TAG	SPACE AREA (SQ.FT.)	SPACE HEIGHT (FT)	SPACE VOLUME (CU.FT.)	VENTILATION REQ'D AC/HR OR CFM	TOTAL CFM REQUIRED	TOTAL CFM PROVIDED	EXHAUST FAN
137 SERVICE WM. T. LOCKERS	71	-	-	50 CFM/W.C.	100	100	EF-1
135 SERVICE WM. T. RR	104	-	-	50 CFM/W.C.	50	50	EF-1
136 SERVICE MEN T. RR	489	-	-	50 CFM/W.C.	500	500	EF-1
133 SERVICE MEN T. LKR	451	-	-	0.5 CFM/S.F.	225	450	EF-1
130 EX. JAN SERVICE	113	-	-	0.5 CFM/S.F.	56	100	EF-1
131 EX. JAN SERVICE	177	-	-	0.5 CFM/S.F.	89	150	EF-1
129 SERVICE DETAILING	5147	-	-	1.0 CFM/S.F.	5147	5400	EF-2A2B
128 COMPRESSOR RM	743	-	-	1.5 CFM/S.F.	1114	1200	EF-3
122 EX. RR	38	-	-	50 CFM/W.C.	50	50	EF-4
120 SER. MNGR EX. RR	56	-	-	50 CFM/W.C.	50	50	EF-4A
103 WMNS RR	56	-	-	50 CFM/W.C.	50	50	EF-4B
104 MENS RR	56	-	-	50 CFM/W.C.	50	50	EF-4C
100 SERVICE BAYS	77456	-	-	(*) 0.75 CFM/S.F.	58092	60000	OARTU-1-5
TOTAL	84957.0				65573.0	68150.0	

(*) EXHAUST FOR ENCLOSED PARKING GARAGES OPERATE AT FULL-ON AIRFLOW RATE OF 0.75 CFM/SQ.FT. PER FLORIDA BUILDING CODE 2023 404.1.

NOTES:
1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FLORIDA BUILDING CODE 2023 (TABLE 403.3) AND ASHRAE 62-16.
2. PARKING GARAGE IS CLOSED TYPE. REFER TO ARCHITECTURAL FOR CALCULATIONS.



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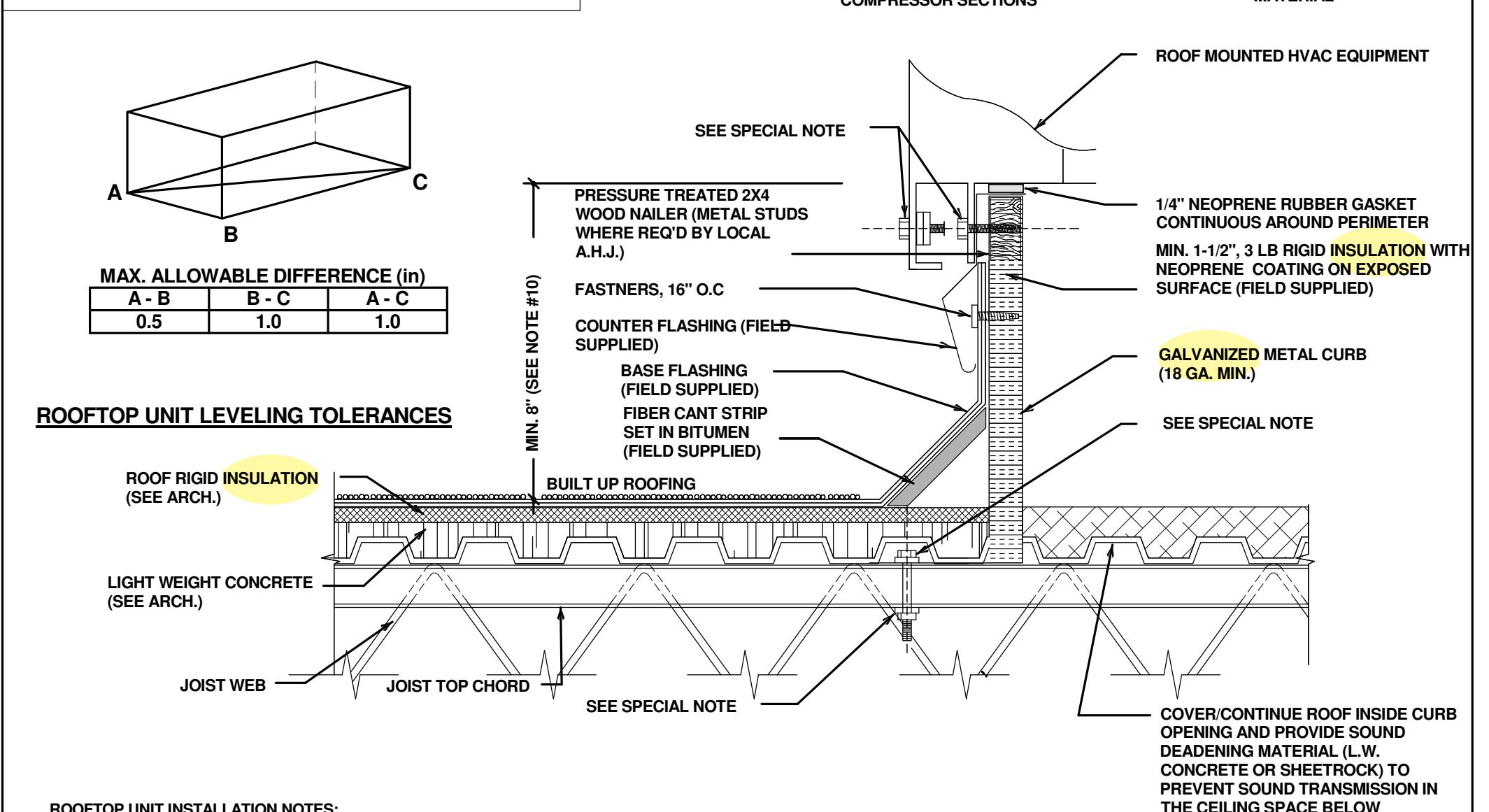
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BROWARD COUNTY

DRAWING ISSUE DATES:
Stiles Construction Received 04/04/2025

MECHANICAL DETAILS

SHEET
M 7 - 1
PROJECT 220802
DATE 04-04-25
PERMIT NO.

SPECIAL NOTE:
DETAIL SHOWN FOR REFERENCE ONLY. CODE COMPLIANCE FOR ALL ROOF UNITS SHALL BE DETERMINED AND VERIFIED BY A LICENSED STRUCTURAL ENGINEER PER FBC 2023, SEC. 1620. SUCH CALCULATIONS SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER OR BY THE GENERAL/MECHANICAL CONTRACTOR ON BEHALF OF CLIENT.



ROOFTOP UNIT INSTALLATION NOTES:

1. ROOFTOP UNIT INSTALLATION NOTES DUCT TRANSITION FROM RTU TO DUCT SIZE SHOWN ON MECH. FLOOR PLAN SHALL BE MADE BETWEEN RTU & TOP OF ROOF WITHIN CURB.
2. SIZE OF OPENING IN ROOF DECK TO BE AS SMALL AS POSSIBLE, 6" MAX. LARGER THAN DUCT SIZE SHOWN. COORDINATE W/STRUCTURAL PLANS.
3. INSTALL PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION MANUAL.
4. ALL WIRING BY ELECTRICAL CONTRACTOR.
5. SHIM CURB AS REQUIRED TO PROVIDE HORIZONTAL INSTALLATION OF UNIT WITHIN PRESCRIBED TOLERANCES.
6. DETERMINE APPROPRIATE LOCATION OF ROOF CURB WITH STRUCTURE PRIOR TO INSTALLATION.
7. ROOF CURB BY AIR CONDITIONER MANUFACTURER. PROVIDE ADDITIONAL BRACING AND SUPPORT, AS REQUIRED FOR ROOF CURB INSTALLATION TO WITHSTAND WIND LOAD PER LOCAL CODES.
8. CURB TO BE HEAVY GAUGE GALVANIZED STEEL CONSTRUCTION AS RECOMMENDED BY MANUFACTURER, ALL FASTENERS SHALL BE CORROSION PROTECTED IF EXPOSED TO OUTDOORS.
9. PROVIDE NUMBER AND SIZE OF FASTENERS/ATTACHMENTS AS RECOMMENDED BY STRUCTURAL ENGINEER.
10. CLEARANCE OF UNIT TO ABOVE FINISHED ROOF SHALL COMPLY WITH LOCAL CODE REQUIREMENTS: PAR. 1510.10 FOR FLORIDA BUILDING CODE, 2023 ED.

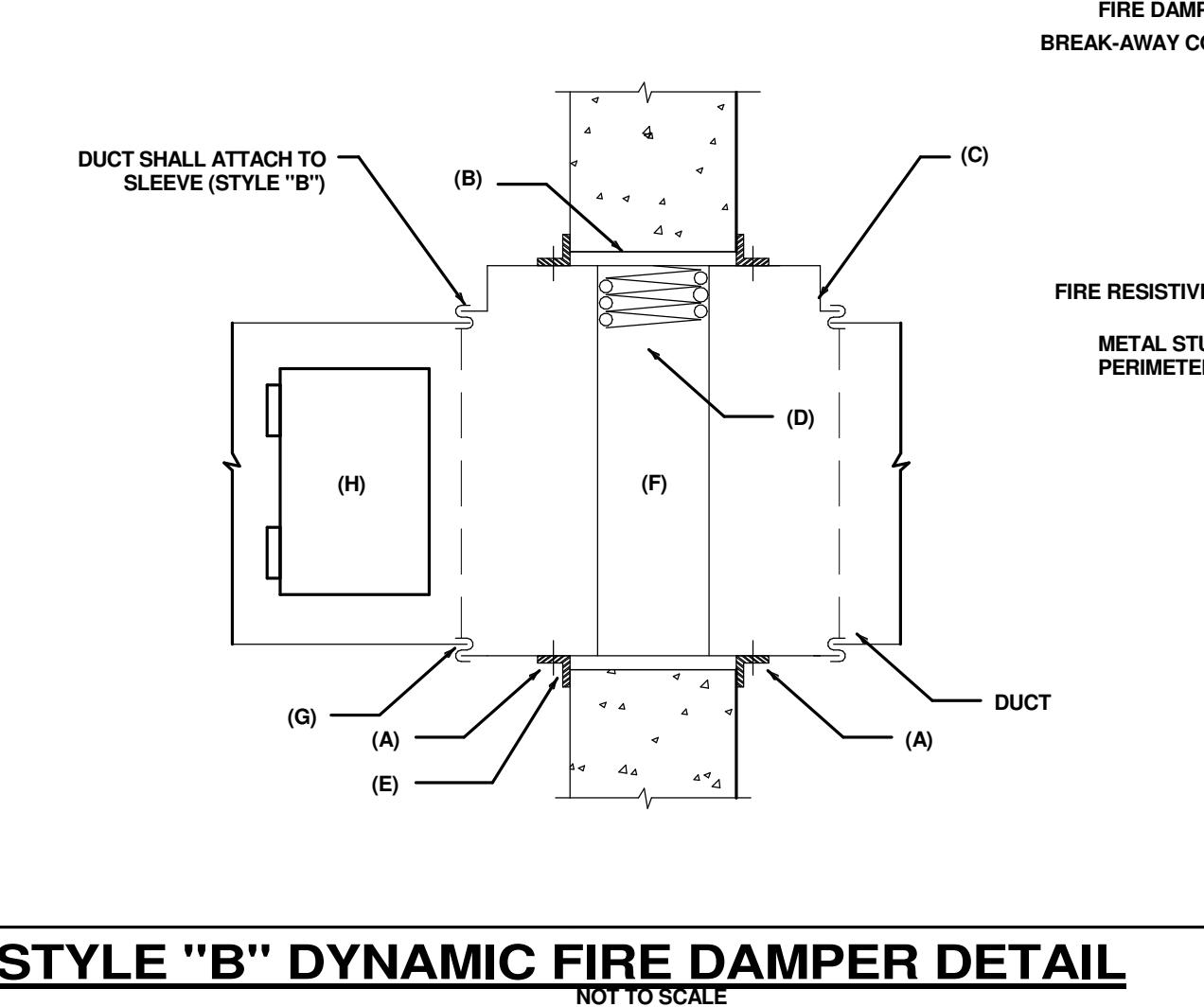
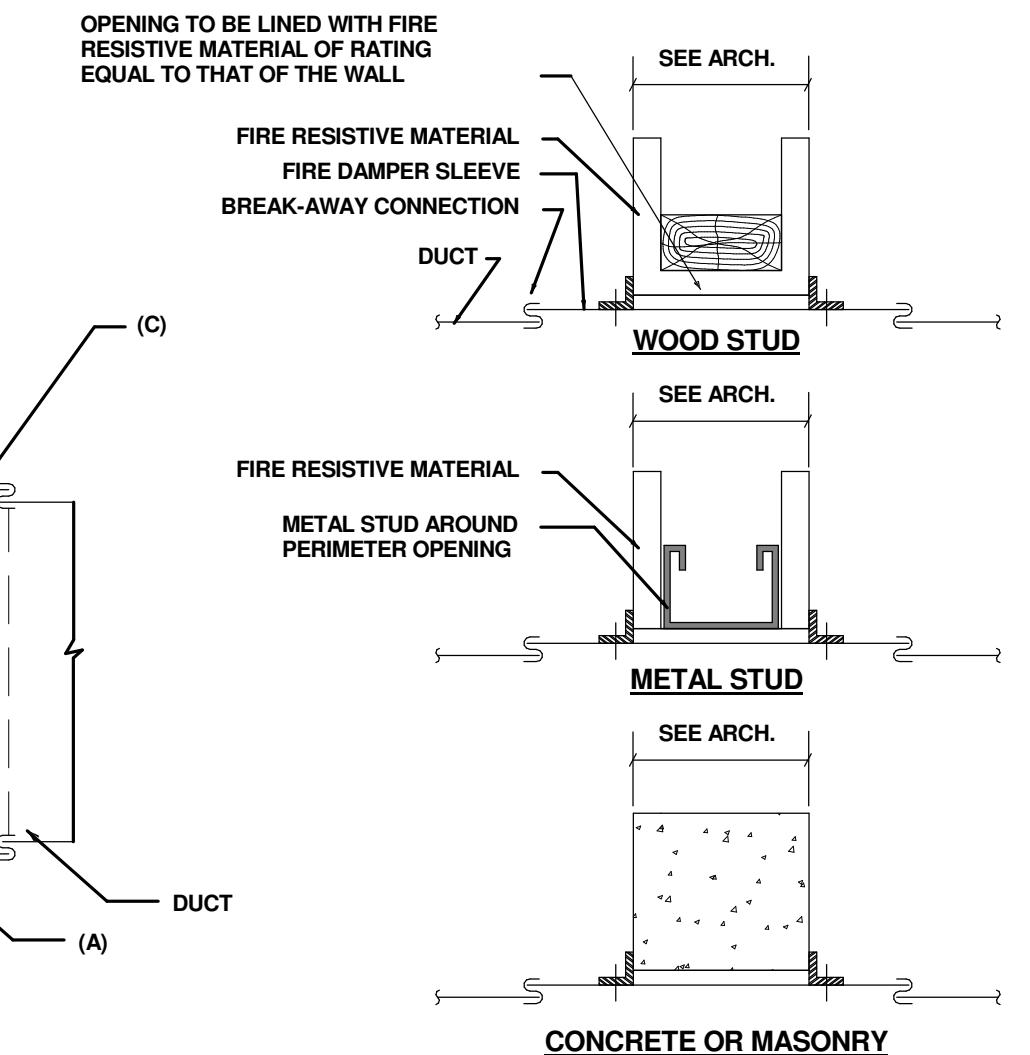
HVAC EQUIPMENT ROOF CURB DETAIL

NOT TO SCALE

ROOFTOP EQUIP. CLEARANCE TABLE	
WIDTH OF MECHANICAL UNIT (INCHES)	MIN. CLEARANCE ABOVE ROOF SURFACE (INCHES)
< 24	14
24 < 36	18
36 < 48	24
48 < 60	30
≥ 60	48

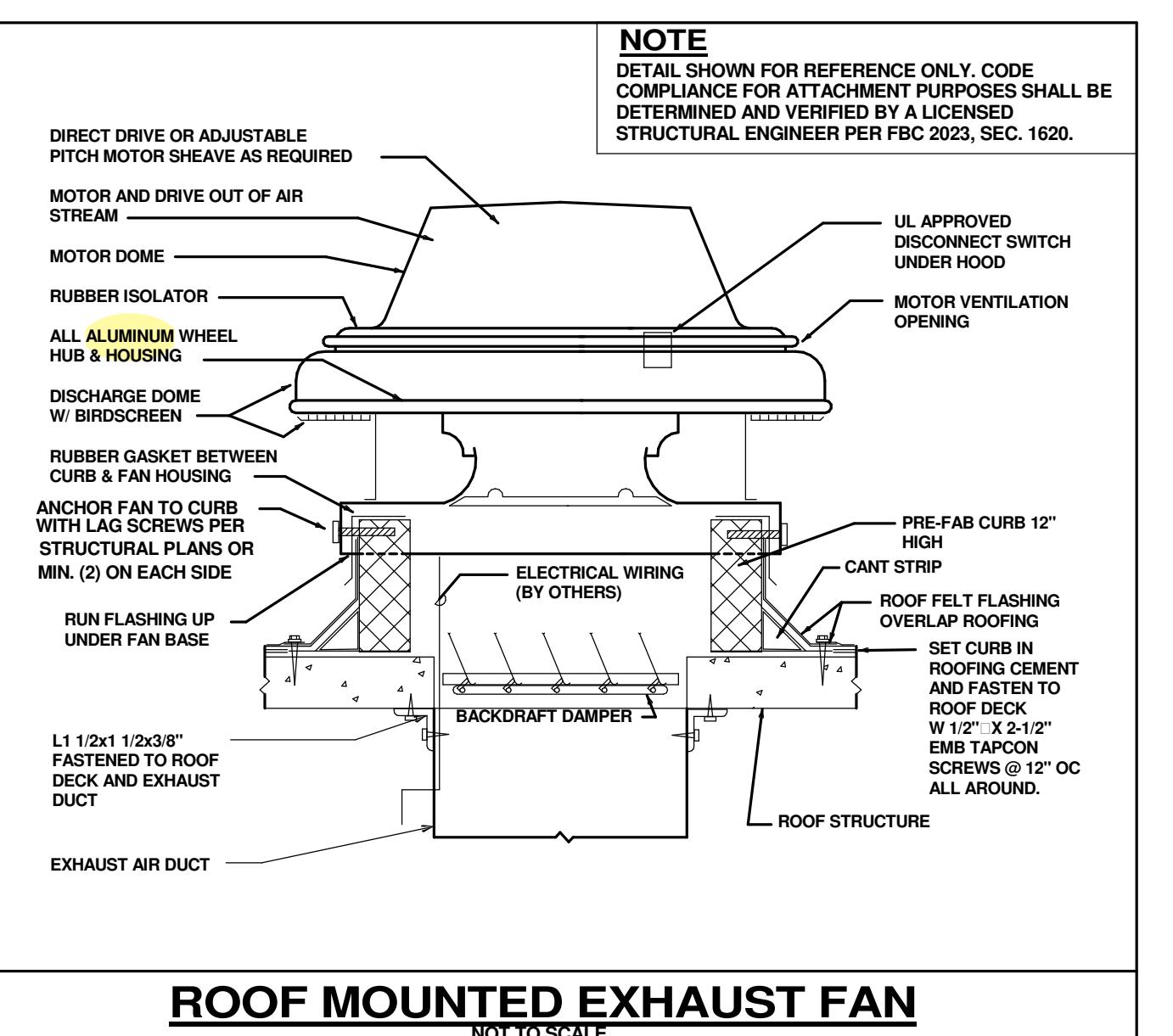
CONTRACTOR NOTE:
CONTRACTOR SHALL HAVE ON SITE AT THE TIME OF INSPECTION AN APPROVED SUBMISSION BY THE E.O.R. OF THE INSTALLED DAMPER WITH INFORMATION OF MAKE, MODEL AND INSTALLATION INSTRUCTIONS BY MANUFACTURER FOR REVIEW AT INSPECTOR'S REQUEST.

MANUFACTURER: GREENHECK
MODEL: DFD-110
RATING: 1 1/2 HR



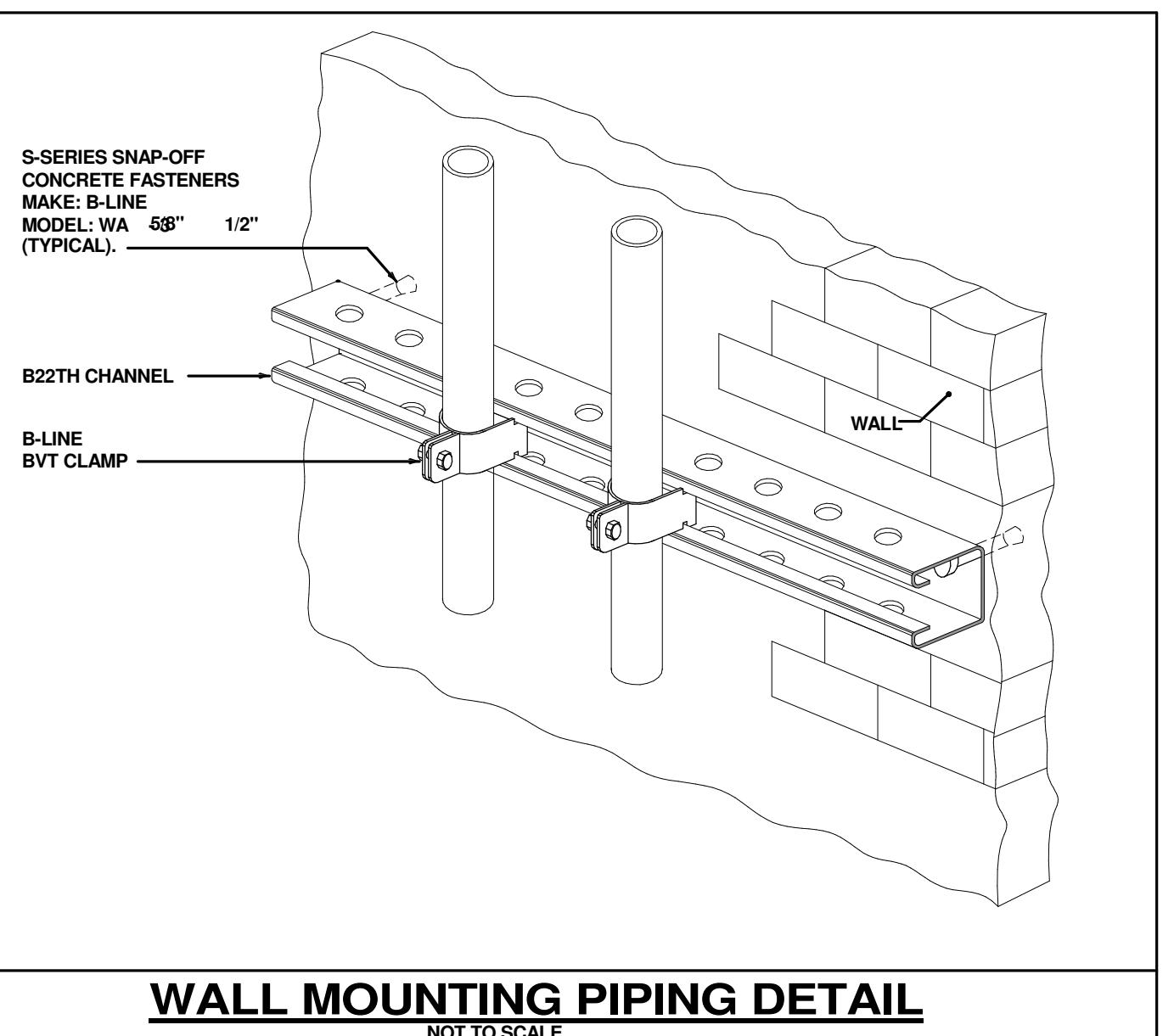
MOTORIZED DAMPER DETAIL

NOT TO SCALE



ROOF MOUNTED EXHAUST FAN

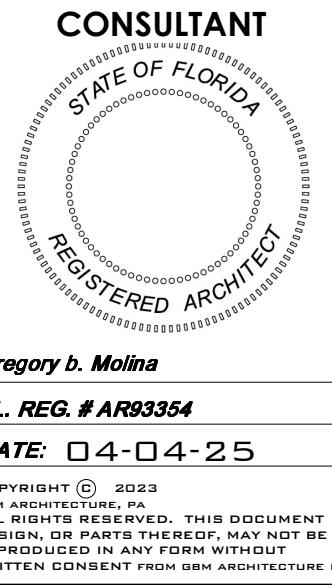
NOT TO SCALE



WALL MOUNTING PIPING DETAIL

NOT TO SCALE

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KAMM CONSULTING PROJECT #: 2024-0115 BUILDING B
PROJECT MANAGER: JOE ZIMMER
KAMM
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engineering@kammconsulting.com
Certification of Authorization #8189
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BROWARD COUNTY

PORSCHE CHAMPION CENTER

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300 NW 24TH STREET

POMPANO BEACH, FL 33064

CITY OF POMPANO BEACH

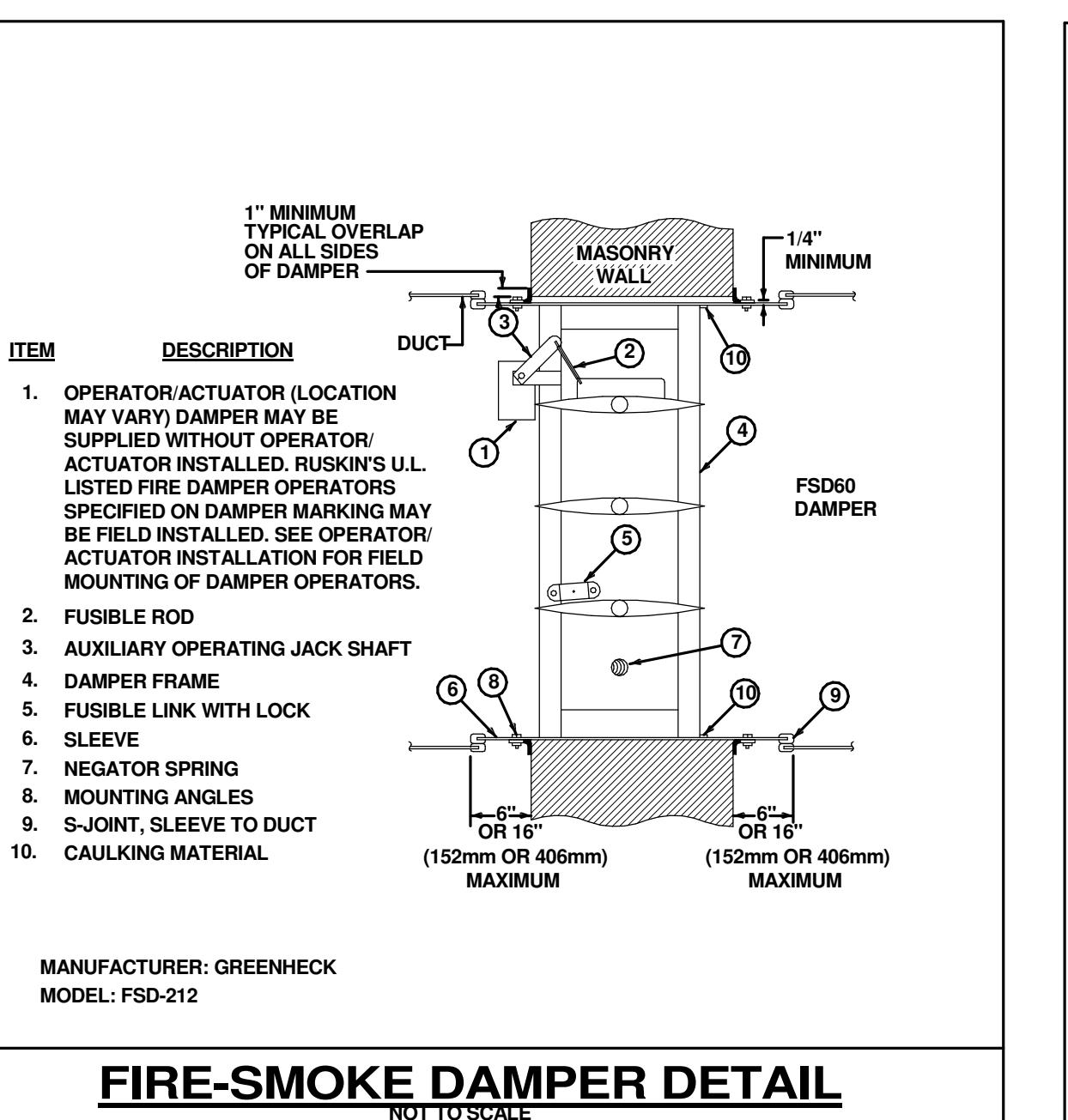
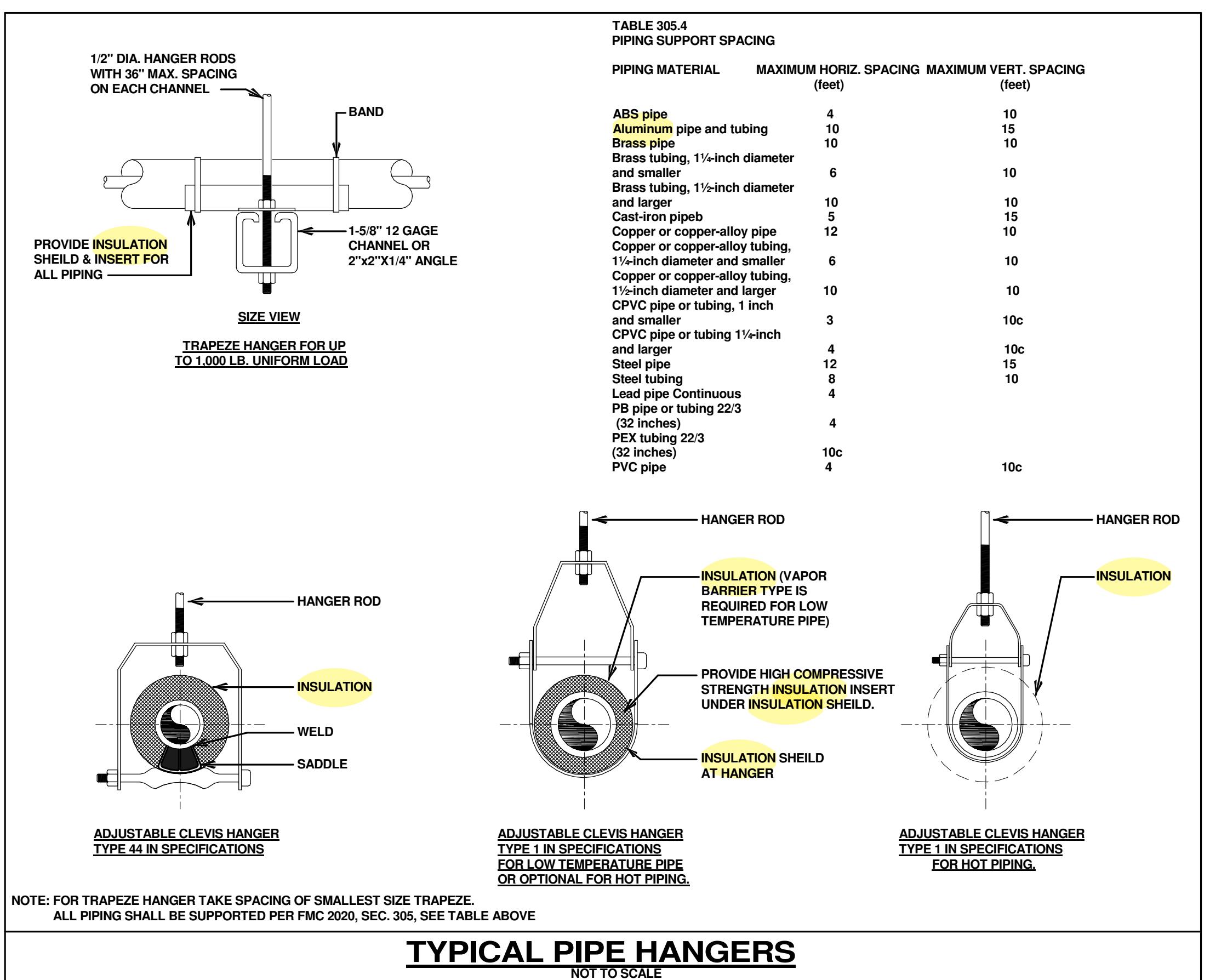
DRAWING ISSUE DATES:

MECHANICAL DETAILS

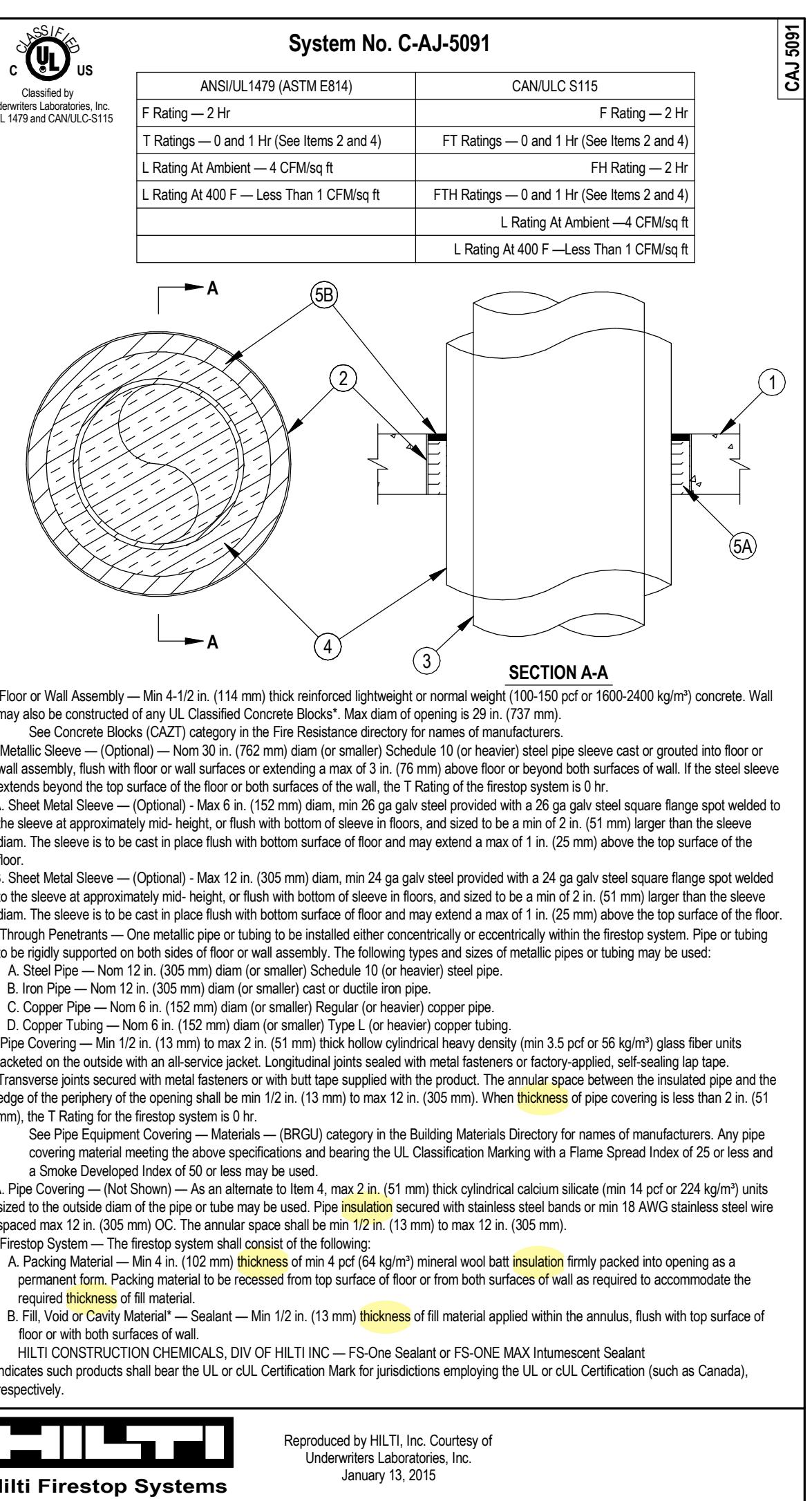
SHEET

M 7 - 2

PROJECT 220802
DATE 04-04-25
PERMIT NO.

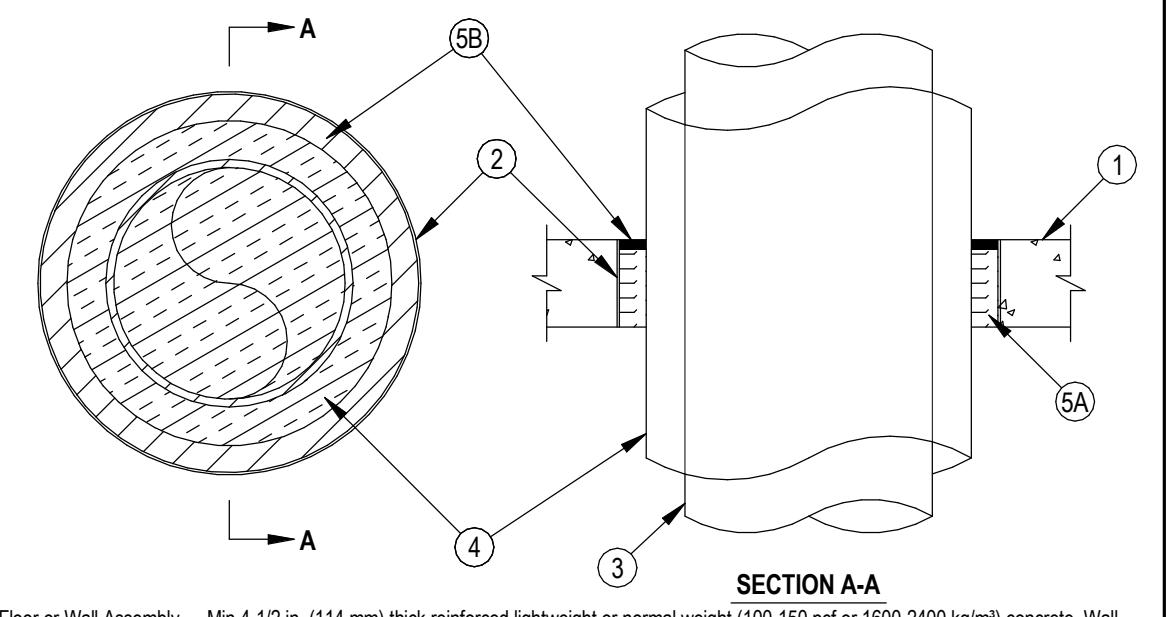


FIRE-SMOKE DAMPER DETAIL
NOT TO SCALE



System No. C-AJ-5091

ANSI/UL1479 ASTM E814	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Ratings — 0 and 1 Hr (See items 2 and 4)	FT Ratings — 0 and 1 Hr (See items 2 and 4)
L Rating At Ambient — 4 CFM/sq ft	FH Rating — 2 Hr
L Rating At 400 F — Less Than 1 CFM/sq ft	FTH Ratings — 0 and 1 Hr (See items 2 and 4)
L Rating At Ambient — 4 CFM/sq ft	L Rating — 400 F — Less Than 1 CFM/sq ft
L Rating At 400 F — Less Than 1 CFM/sq ft	



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 29 in. (737 mm).

2. Metal sleeve — (Optional) — Min 30 in. (762 mm) diam or smaller (Sleeve 10 or heavier) metal pipe sleeve cast or gouted into floor or wall assembly, flush with top surface of floor or both surfaces of wall. If the steel sleeve extends beyond the top surface of the floor or both surfaces of wall, the T Rating of the firestop system is 0 hr.

2A. Sheet Metal Sleeve — (Optional) — Max 6 in. (152 mm) diam, min 26 ga galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approximately mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place flush with bottom surface of floor and extend a max of 1 in. (25 mm) above the top surface of the floor.

2B. Sheet Metal Sleeve — (Optional) — Max 12 in. (305 mm) diam, min 26 ga galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approximately mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place flush with bottom surface of floor and extend a max of 1 in. (25 mm) above the top surface of the floor.

3. Through Perforations — One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly.

A. Iron Pipe — Non 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.

B. Copper Pipe — Non 6 in. (152 mm) diam (or smaller) regular (heavier) copper pipe.

C. Copper Tubing — Non 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

4. Pipe Covering — Min 1/2 in. (13 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an air-service jacket. Longitudinal joints sealed with metal fasteners or factory-applied, self-sealing lap tape.

4A. Pipe Covering — Min 1/2 in. (13 mm) to max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf or 224 kg/m³) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. The annular space shall be min 1/2 in. (13 mm) to max 12 in. (305 mm). When thickness of pipe covering is less than 2 in. (51 mm), the T Rating for the firestop system is 0 hr.

See Pipe Equipment Covering — Materials category in the Building Materials Directory for names of manufacturers. Any pipe covering material must be above specification and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

5. Firestop System — The firestop system shall consist of the following:

A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the thickness of the pipe or tube.

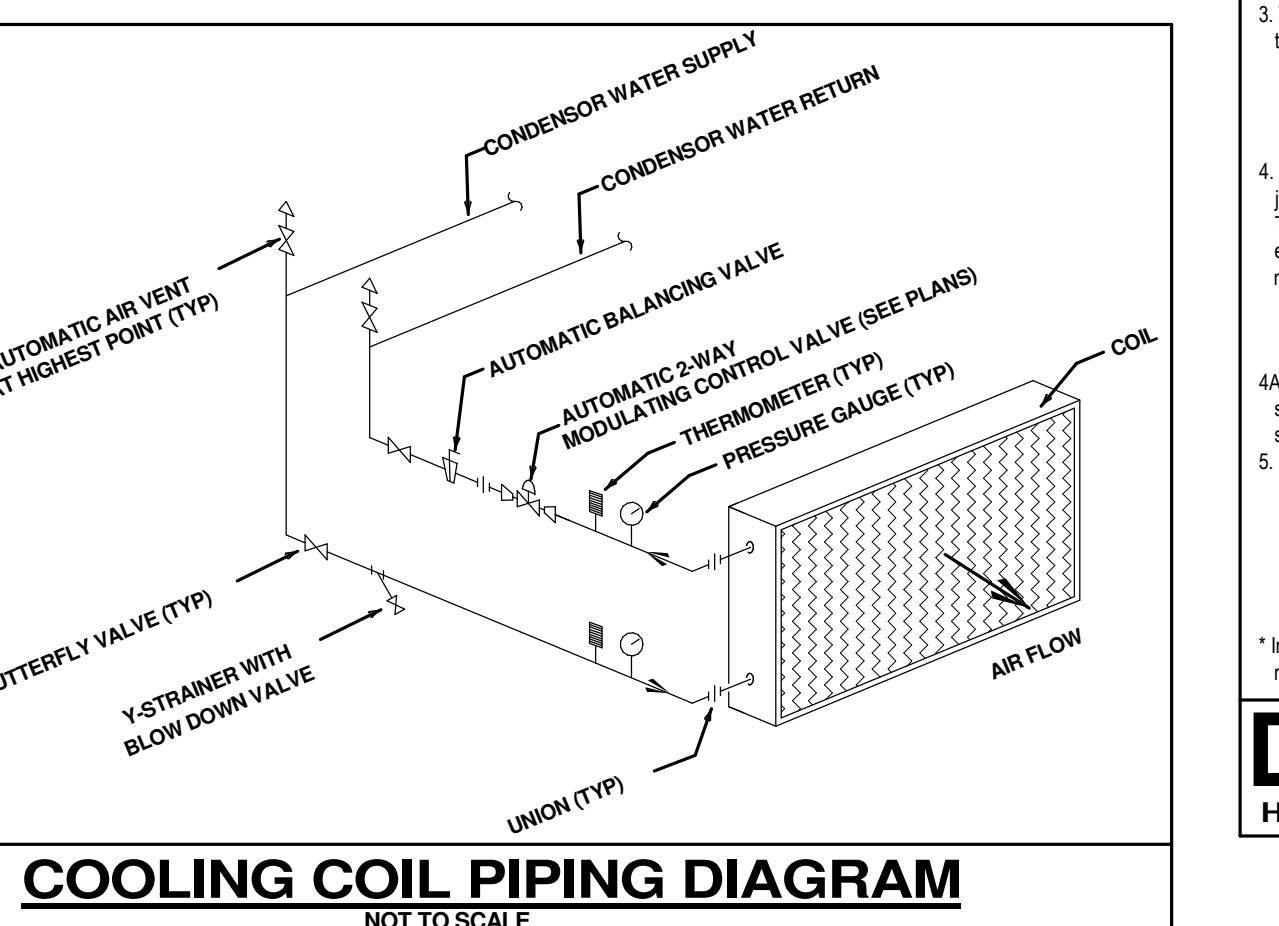
B. Fill, Vast or Cavity Material — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS — Sealant DIV of Hilti Inc — FS-One Sealant or FS-ONE MAX Intumescent Sealant

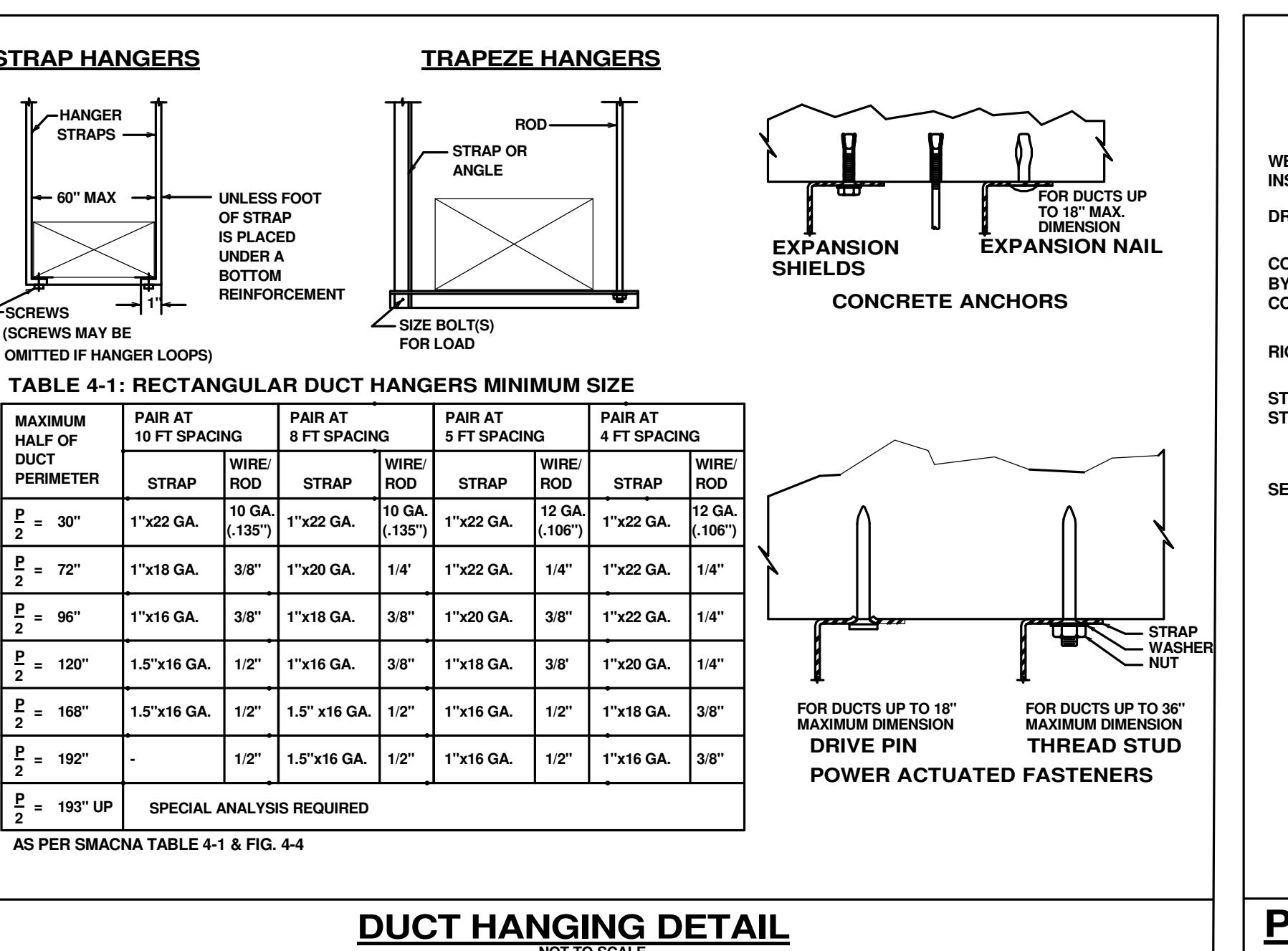
*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

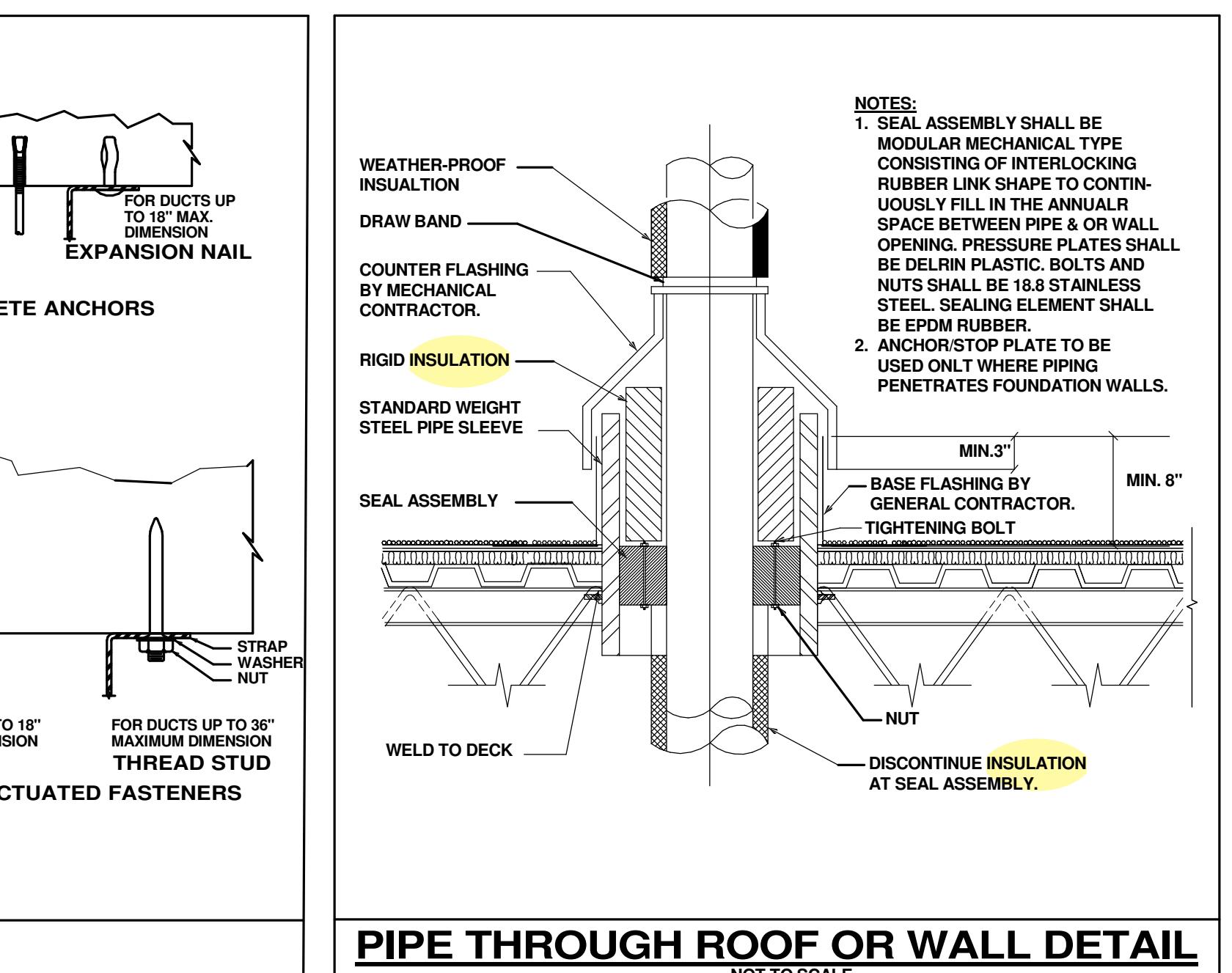
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January 13, 2015



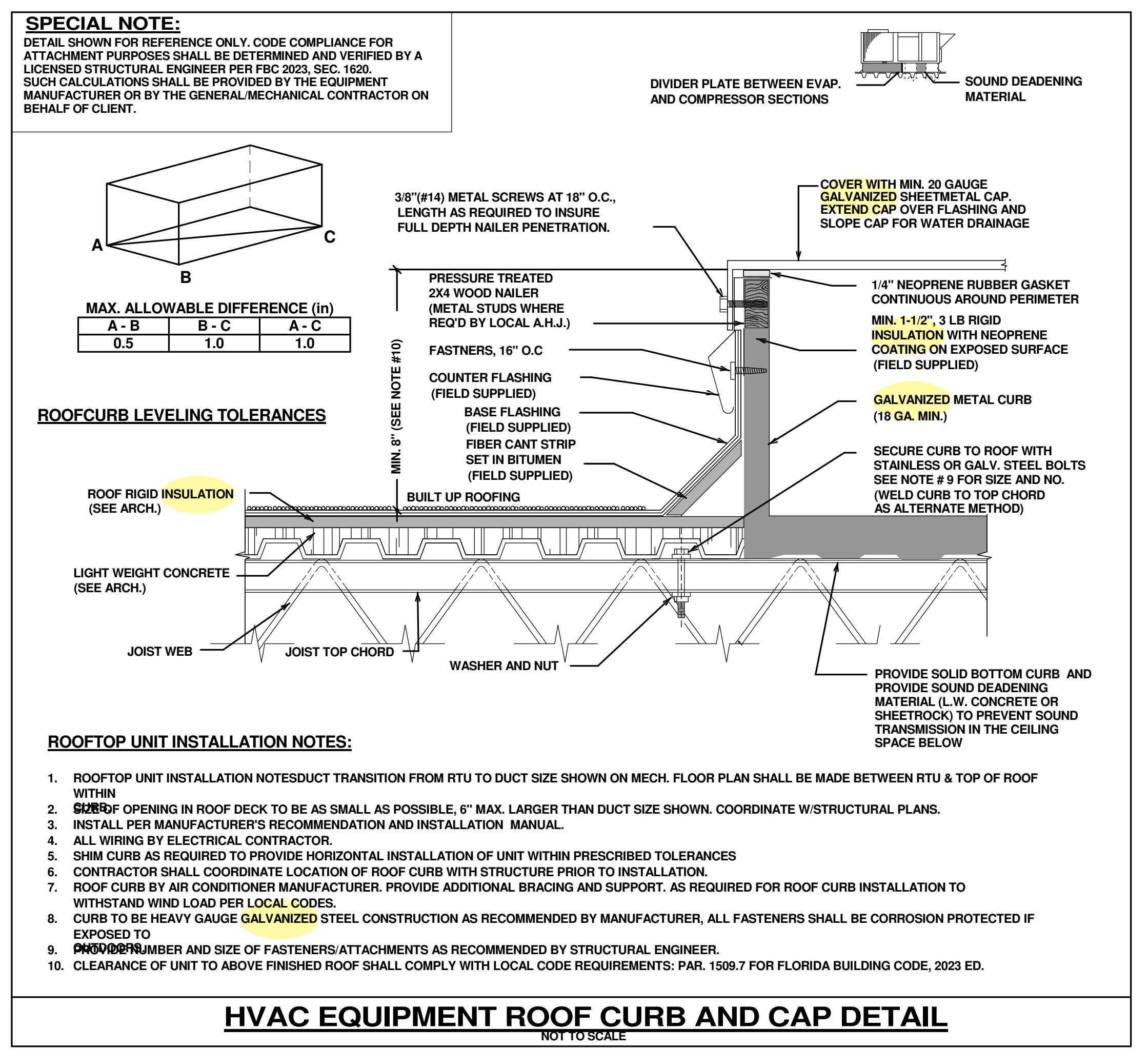
COOLING COIL PIPING DIAGRAM
NOT TO SCALE



DUCT HANGING DETAIL
NOT TO SCALE

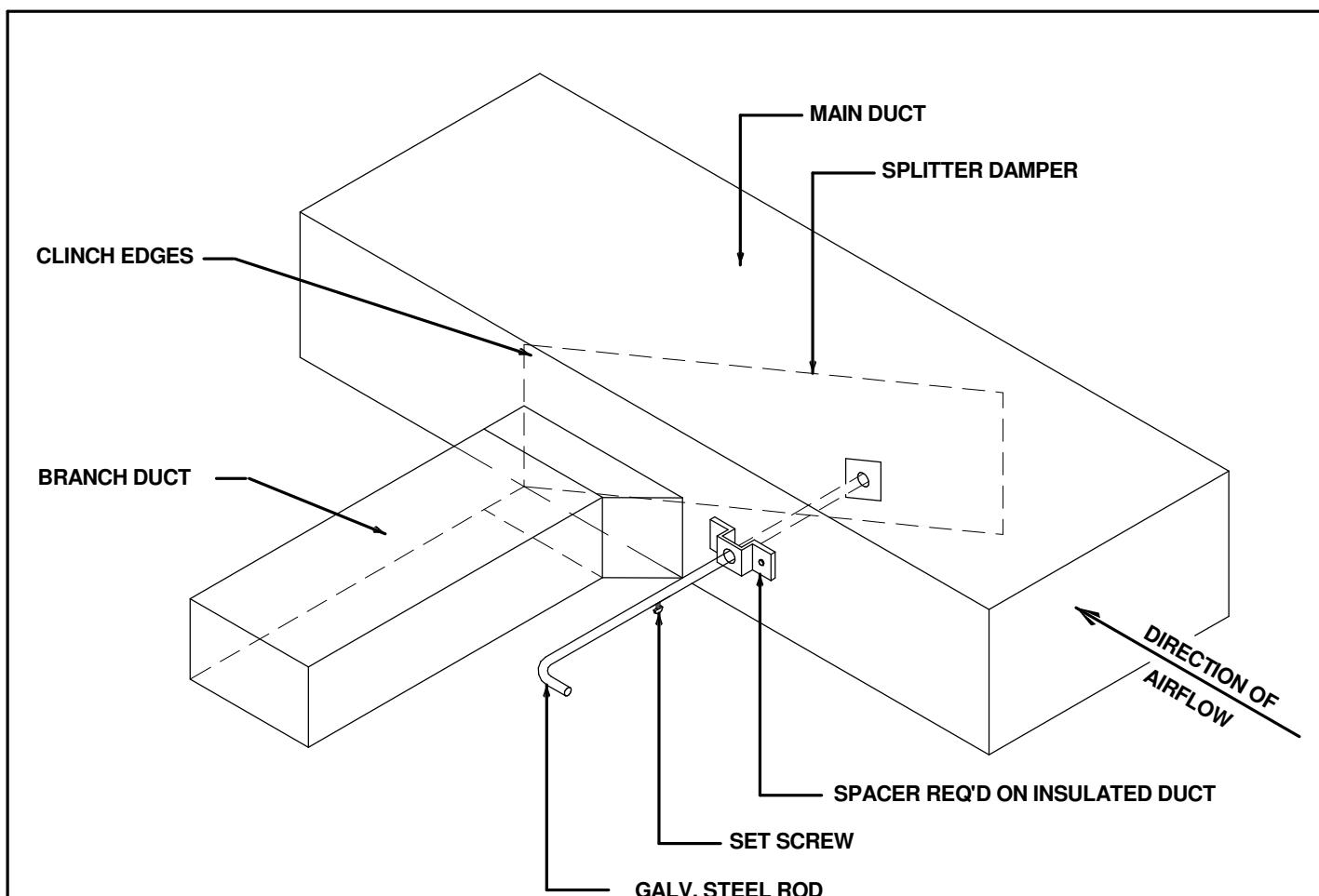


PIPE THROUGH ROOF OR WALL DETAIL
NOT TO SCALE

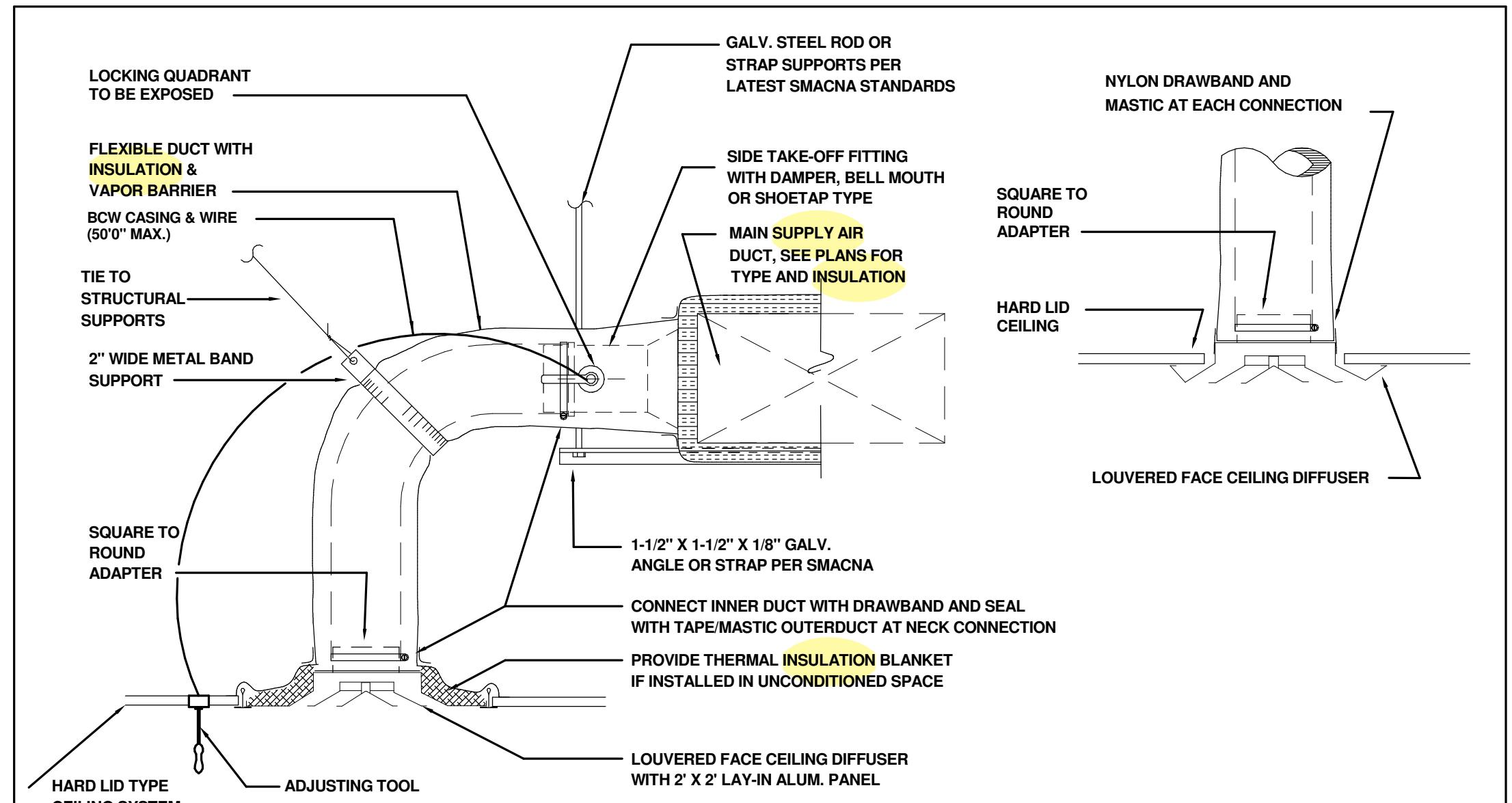


HVAC EQUIPMENT ROOF CURB AND CAP DETAIL
NOT TO SCALE

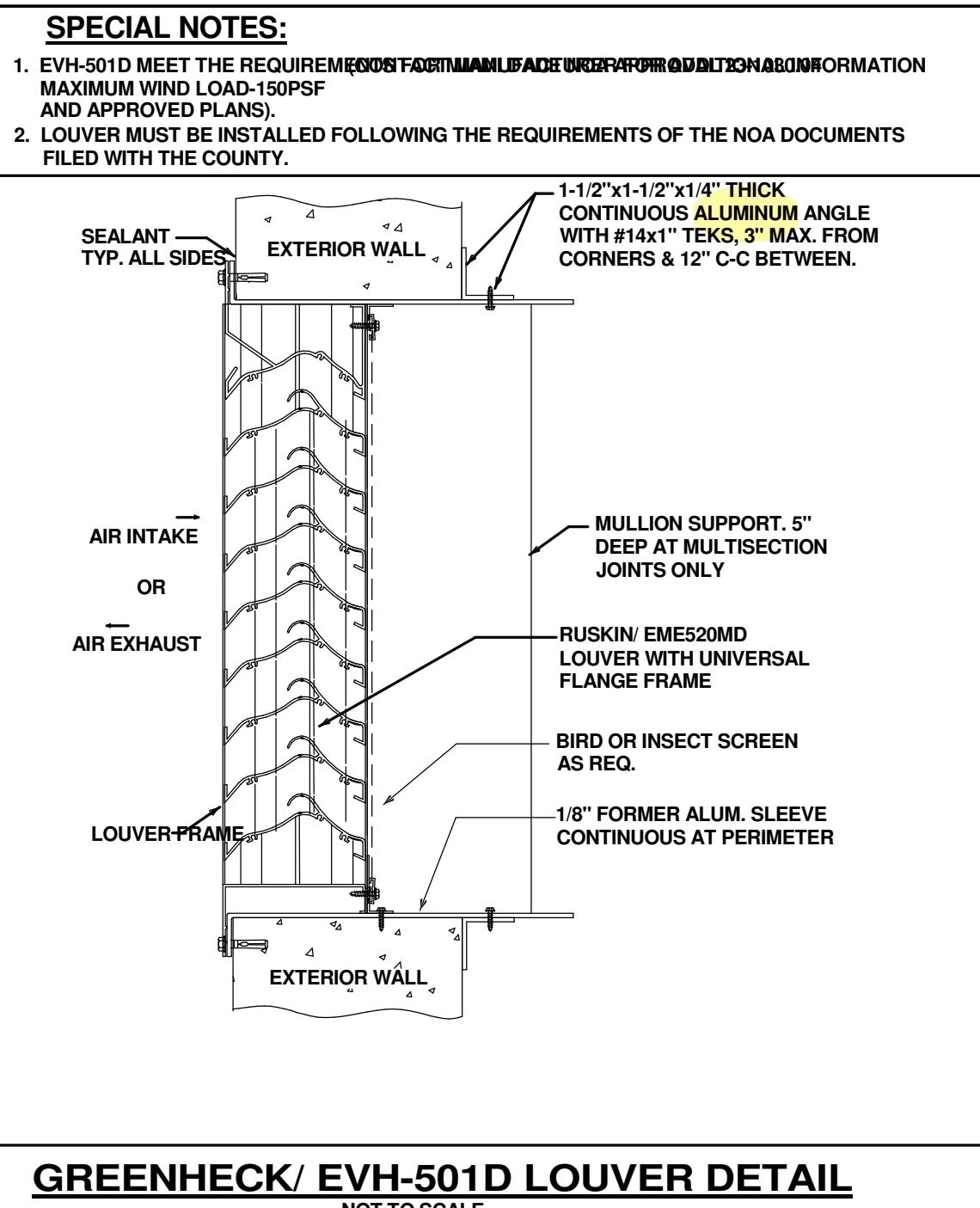
ISSUED FOR PERMIT	
ISSUED FOR CONSTRUCTION	
KAMM CONSULTING PROJECT #: 2024-0115	BUILDING B
PROJECT MANAGER: JOE ZIMMER	
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Phone 954.949.2200 Fax 954.949.2201	
engineering@kammconsulting.com	
Certification of Authorization #8189	



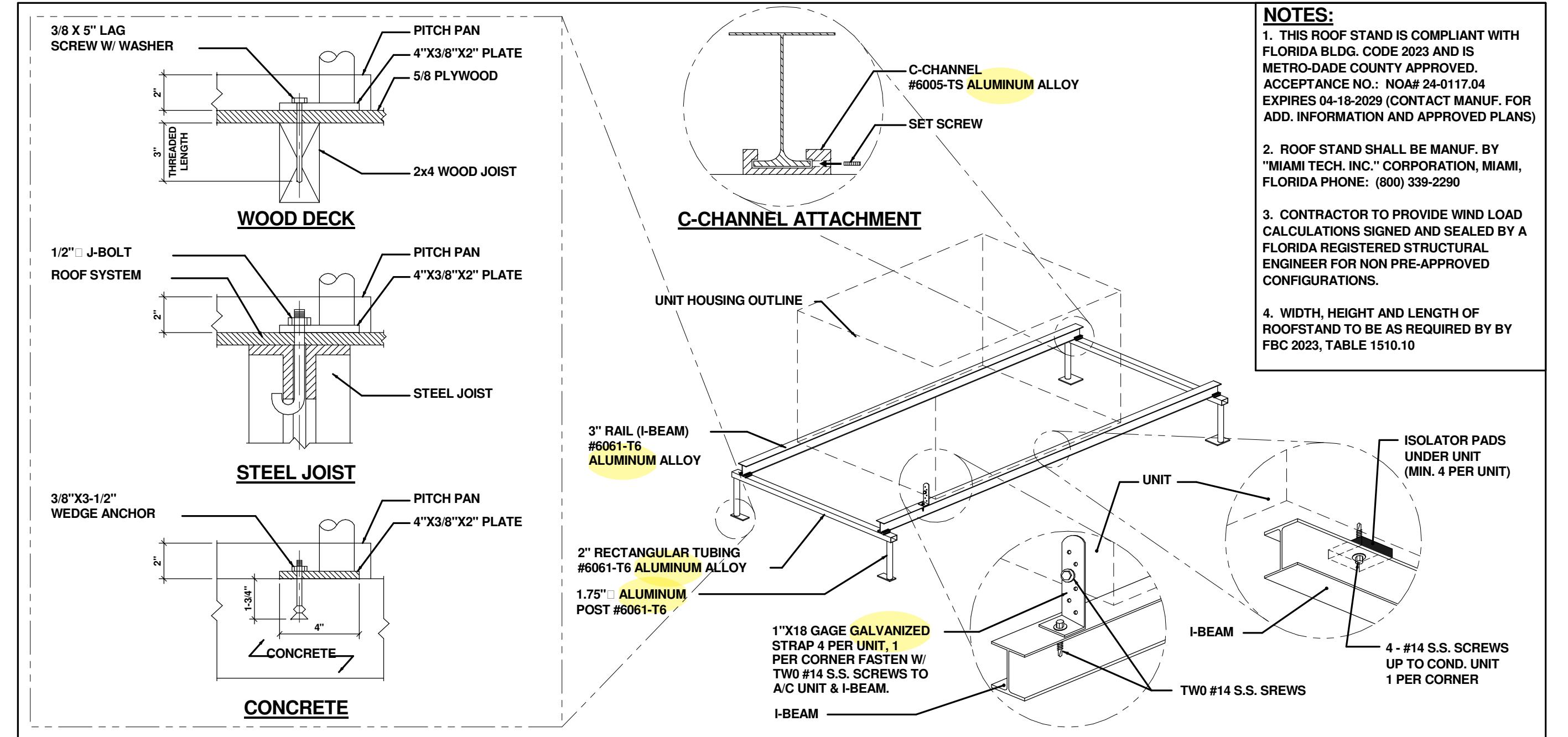
TYPICAL DUCT TAP-OFF
NOT TO SCALE



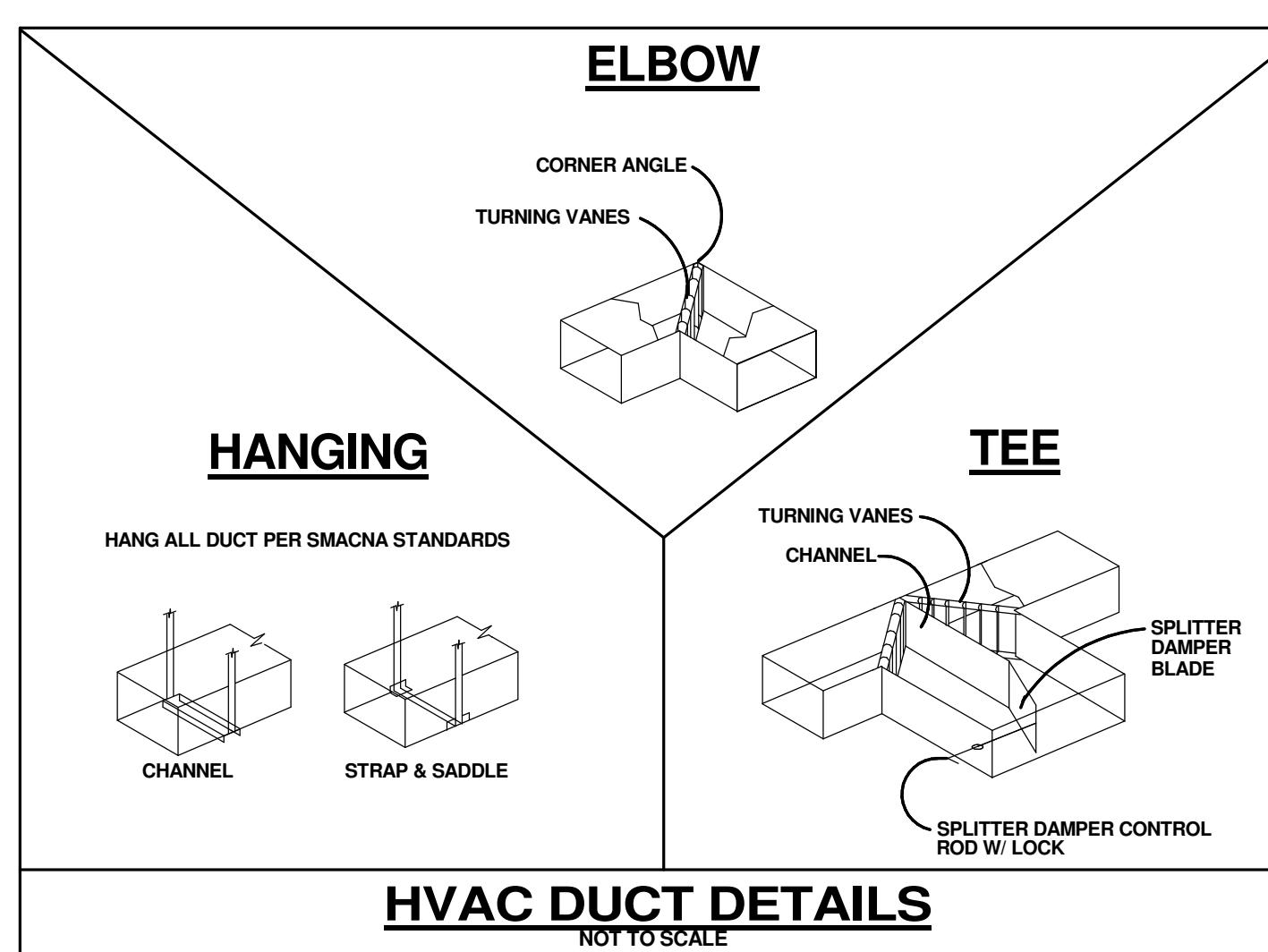
TYPICAL DIFFUSER DETAIL W/ REMOTE CABLE CONTROL
NOT TO SCALE



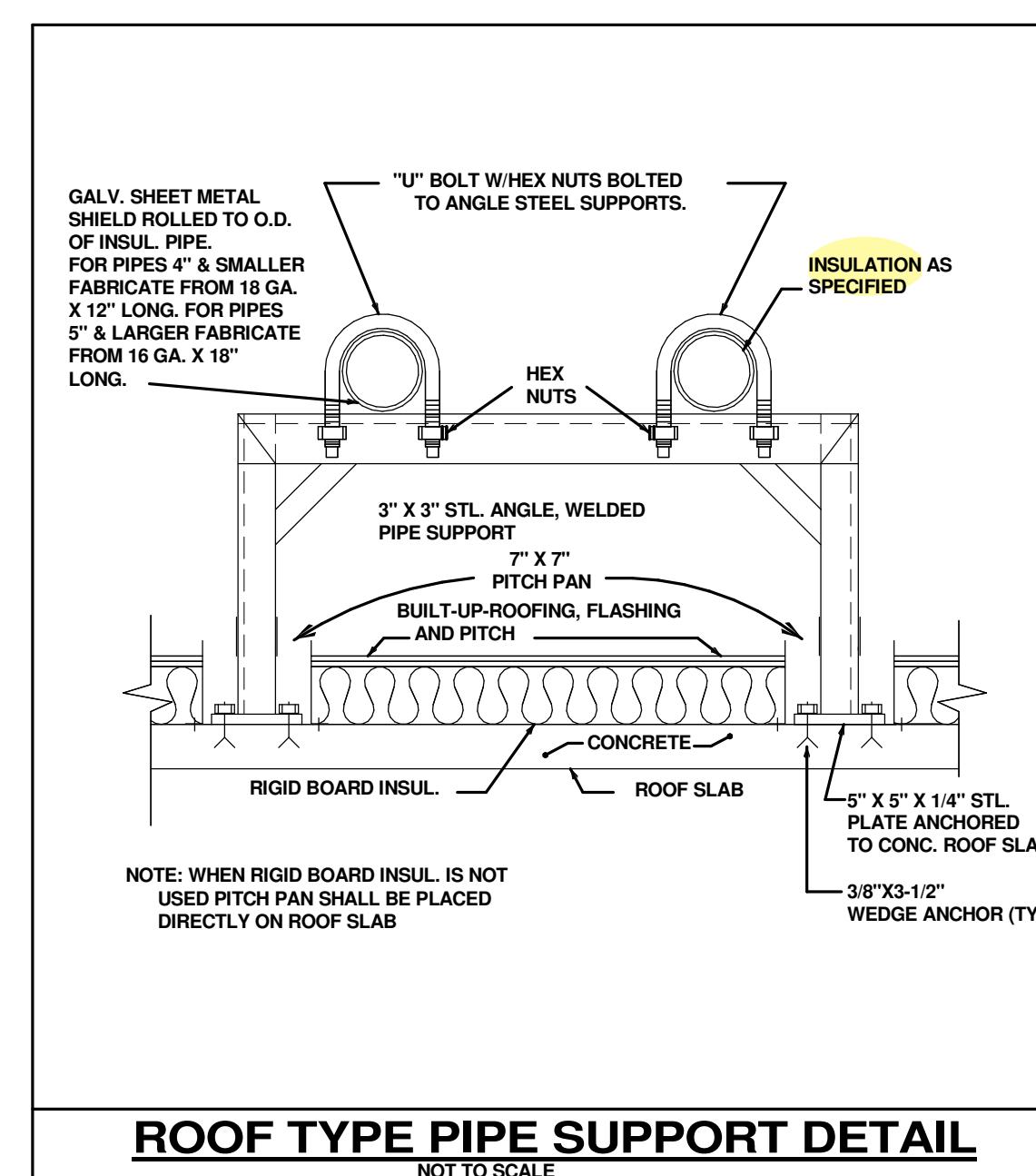
GREENHECK/ EVH-501D LOUVER DETAIL
NOT TO SCALE



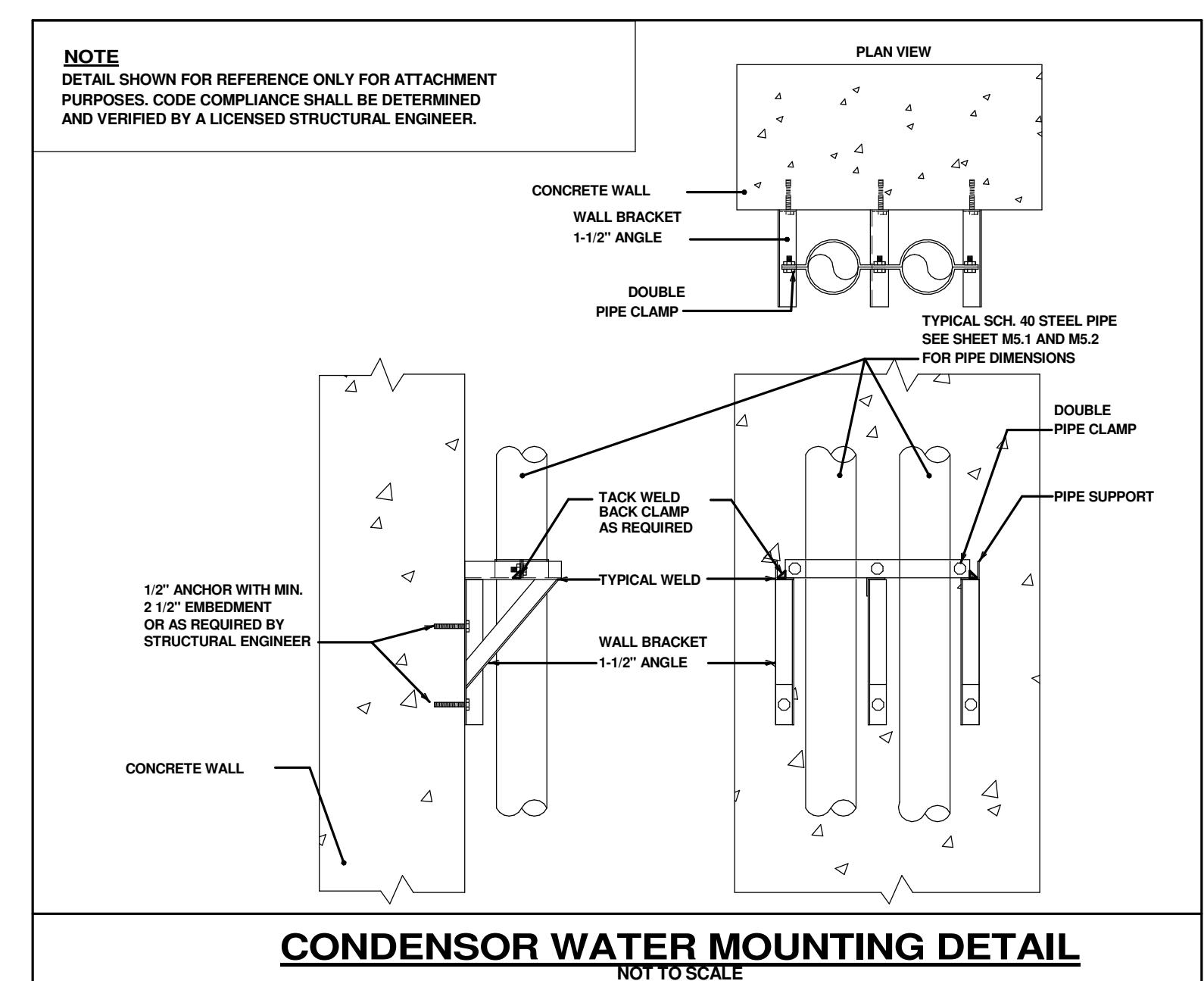
A/C ROOF EQUIPMENT MOUNTING DETAIL
NOT TO SCALE



HVAC DUCT DETAILS
NOT TO SCALE

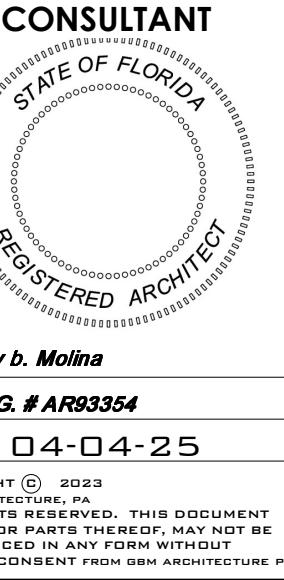


ROOF TYPE PIPE SUPPORT DETAIL
NOT TO SCALE



CONDENSER WATER MOUNTING DETAIL
NOT TO SCALE

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05/21/2025



GBM
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CITY OF POMPANO BEACH

DRAWING ISSUE DATES:
S1000
S1000
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MECHANICAL
CONTROLS

SHEET
M8-1
PROJECT 220802
DATE 04-04-25
PERMIT NO.

