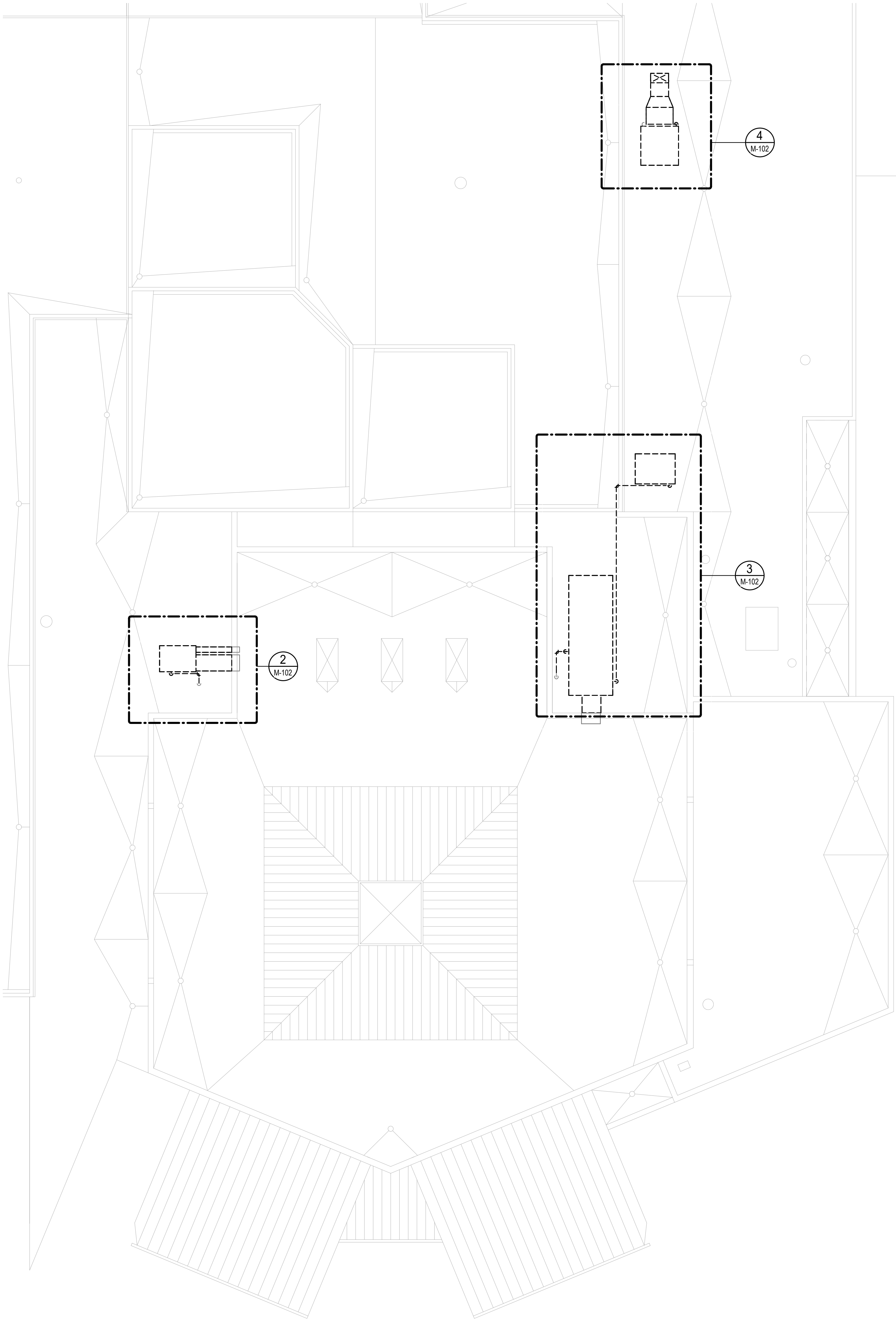
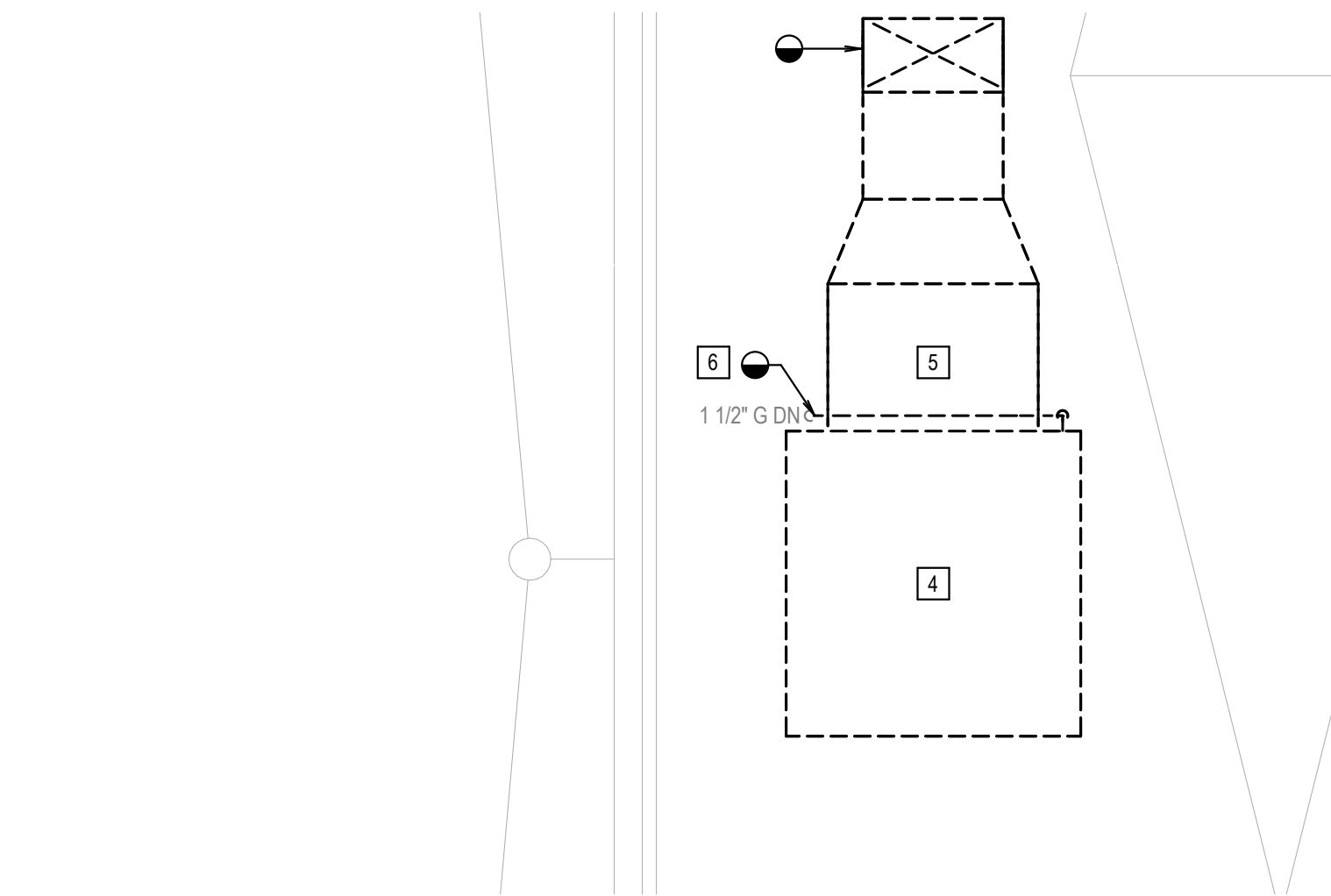


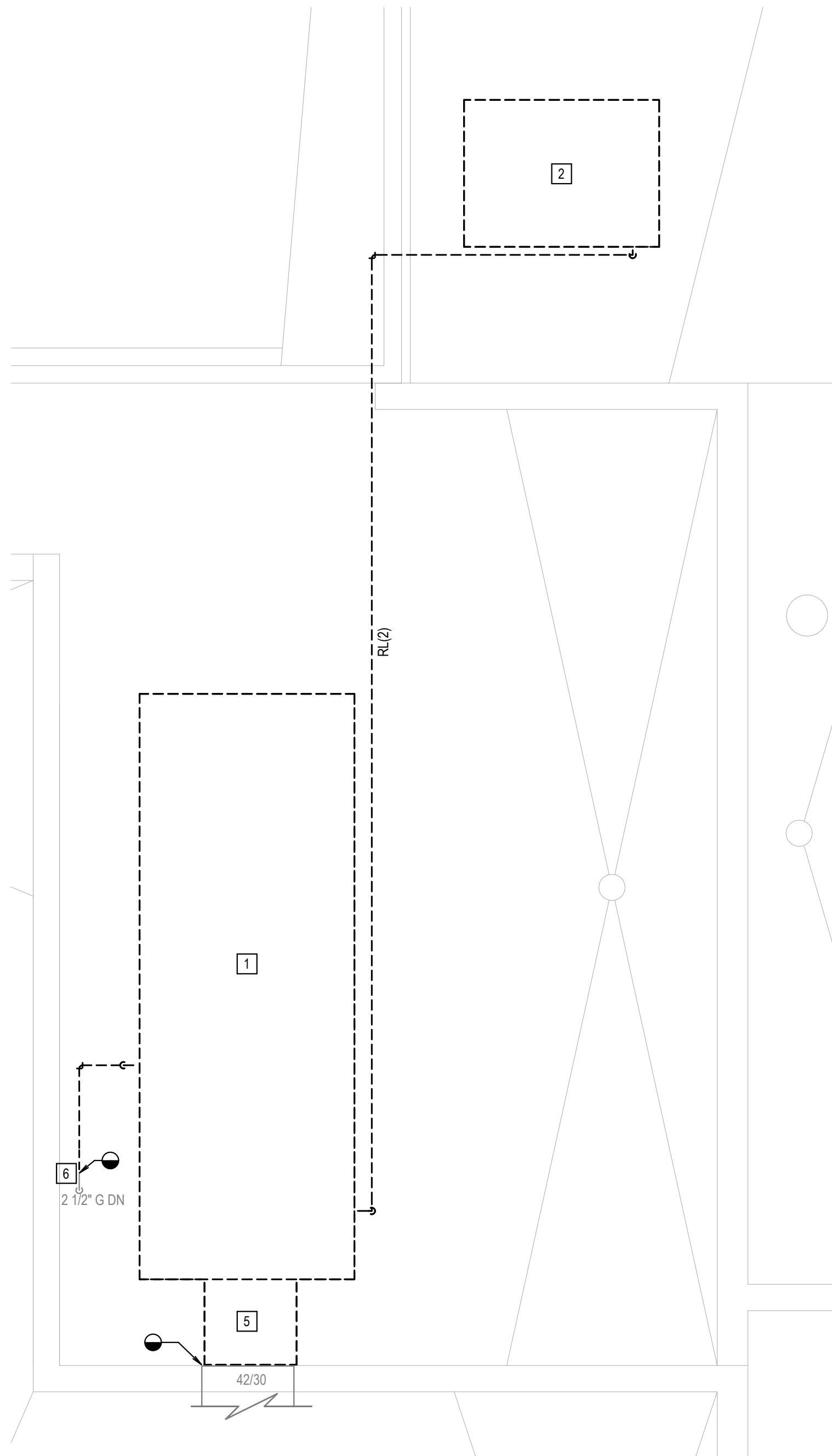
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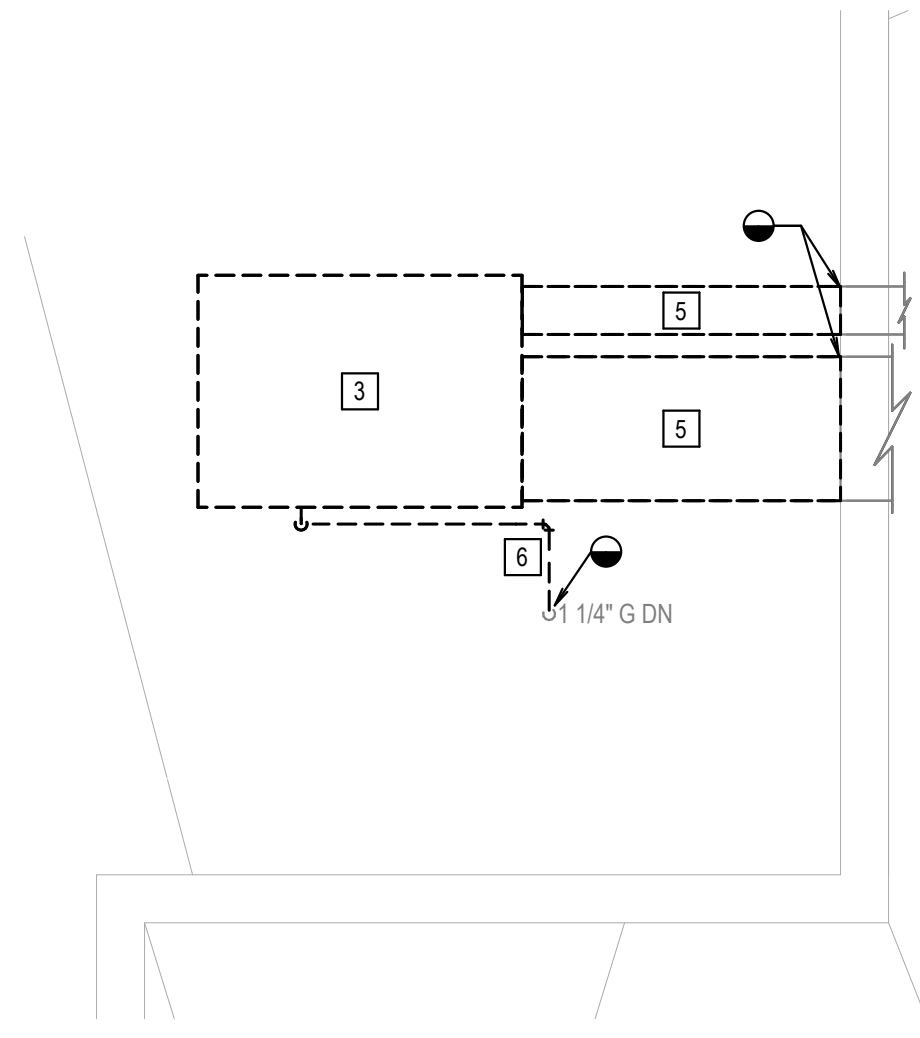
1 PARTIAL ROOF DEMOLITION PLAN - AREAS 5 & 6 - HVAC
SCALE: 3/32" = 1'-0"



4 ENLARGED ROOF DEMOLITION PLAN - RTU-3 - HVAC
SCALE: 1/4" = 1'-0"



3 ENLARGED ROOF DEMOLITION PLAN - RTU-1 & COND. - HVAC
SCALE: 1/4" = 1'-0"



2 ENLARGED ROOF DEMOLITION PLAN - RTU-2 - HVAC
SCALE: 1/4" = 1'-0"

GENERAL NOTES (DEMO)

- REMOVE ALL DASHED EQUIPMENT, SUPPORTS, AND ALL RELATED ACCESSORIES.
- REMOVE ALL DASHED DUCTWORK, CONNECTORS, SUPPORTS AND ALL RELATED ACCESSORIES.
- REMOVE ALL DASHED PIPING, SUPPORTS, AND ALL RELATED ACCESSORIES.
- FIELD VERIFY EXISTING CONDITIONS AND BRING ANY DISCREPANCIES TO THE DESIGN TEAM'S NOTICE IMMEDIATELY. EXISTING LAYOUT IS BASED ON NON-INTRUSIVE FIELD SURVEY AND ASSUMPTIONS. VERIFY ACTUAL LAYOUT PRIOR TO CONNECTION OR DISCONNECTION.
- CONTRACTOR SHALL TAKE CARE TO SALVAGE ANY EXISTING EQUIPMENT AND CONTROLS FOR REUSE AS SHOWN OR HAND THEM OVER TO THE OWNER.
- COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER FOR PATCHWORK, REPAIR WORK WHERE APPLICABLE. REFER TO ARCHITECTURAL, STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
- PRIOR TO COMMENCING DEMOLITION, PRE-CONSTRUCTION TESTING, ADJUSTING AND BALANCING (TAB) AIRFLOW READINGS SHALL BE TAKEN AT ALL SUPPLY AND RETURN DIFFUSERS WITHIN AREAS OF WORK. SUBMIT PRE-CONSTRUCTION TAB REPORT TO THE A/E FOR REVIEW.
- PRIOR TO DEMOLITION, CONTRACTOR SHALL ARRANGE A MEETING WITH THE WINCHESTER CITY FIRE MARSHALL TO REVIEW SCOPE OF WORK, AND FIRE SAFETY PRECAUTIONS REQUIRED FOR OCCUPIED SCHOOL BUILDING AND CONTRACTOR AREA.
- THE WORK TO BE PERFORMED SHALL CONSIST PROVIDING ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO SERVICE TO REPLACE ROOF TOP MECHANICAL UNITS AT DANIEL MORGAN MIDDLE SCHOOL, ARCHITECTURAL CEILING REMOVAL/REINSTALLATION FOR REQUIRED STRUCTURAL REINFORCEMENT AND REPAIRS/MODIFICATIONS TO EXISTING ROOF BUILDING. SHALL BE COMPLETED BY OWNER-CONTRACTED VENDOR. THE SELECTED CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF THE ROOF TOP UNITS, AND COORDINATING WITH OTHER OWNER-CONTRACTED VENDORS FOR ASSOCIATED WORK, INCLUDING DRYWALL, PAINTING, CEILING REPLACEMENT, AND ROOF PATCHING.

KEY NOTES (DEMO)

- DEMOLISH EXISTING RTU-1 ALONG WITH ALL ASSOCIATED DUCTWORK, SUPPORTS, ROOF CURB, PIPING, AND ALL RELATED ACCESSORIES TO THE LIMITS OF DEMOLITION SHOWN. PREPARE LOCATION TO RECEIVE NEW RTU.
- DEMOLISH EXISTING CU-1 ALONG WITH ALL ASSOCIATED PIPING, SUPPORTS, ROOF CURB AND ACCESSORIES TO THE LIMITS OF DEMOLITION SHOWN. PREPARE LOCATION TO RECEIVE NEW CU.
- DEMOLISH EXISTING RTU-2 ALONG WITH ALL ASSOCIATED DUCTWORK, SUPPORTS, ROOF CURB, PIPING, AND ALL RELATED ACCESSORIES TO THE LIMITS OF DEMOLITION SHOWN. PREPARE LOCATION TO RECEIVE NEW RTU.
- DEMOLISH EXISTING RTU-3 ALONG WITH ALL ASSOCIATED DUCTWORK, SUPPORTS, ROOF CURB, PIPING, AND ALL RELATED ACCESSORIES TO THE LIMITS OF DEMOLITION SHOWN. PREPARE LOCATION TO RECEIVE NEW RTU.
- DEMOLISH EXISTING EXTERIOR DUCTWORK TO THE LIMITS OF DEMOLITION SHOWN. PREPARE DUCTWORK WALL OR ROOF PENETRATIONS FOR RECONNECTION TO NEW EXTERIOR DUCTWORK.
- DEMOLISH GAS PIPING ASSOCIATED WITH RTU TO THE LIMITS OF DEMOLITION SHOWN. DEMOLISH EXISTING GAS PRV. REFER TO NEW WORK PLAN FOR NEW GAS PIPING LAYOUT AND NEW PRV.



Daniel Morgan Middle School

48 S. Purcell Ave.
Winchester, VA 22601

RTU REPLACEMENT

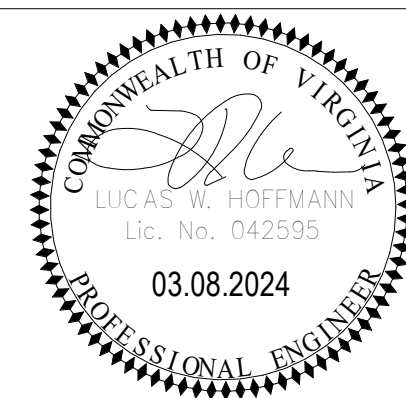


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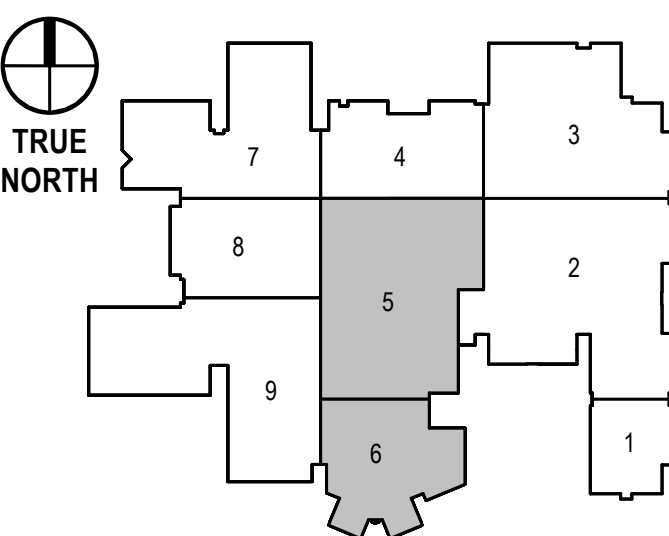
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46090 LAKE CENTER PLAZA, SUITE 309
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571.323.0320

SEAL



KEY PLAN



SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
BID ADDENDUM 3	03.08.2024

DRAWING PHASE

BID SET

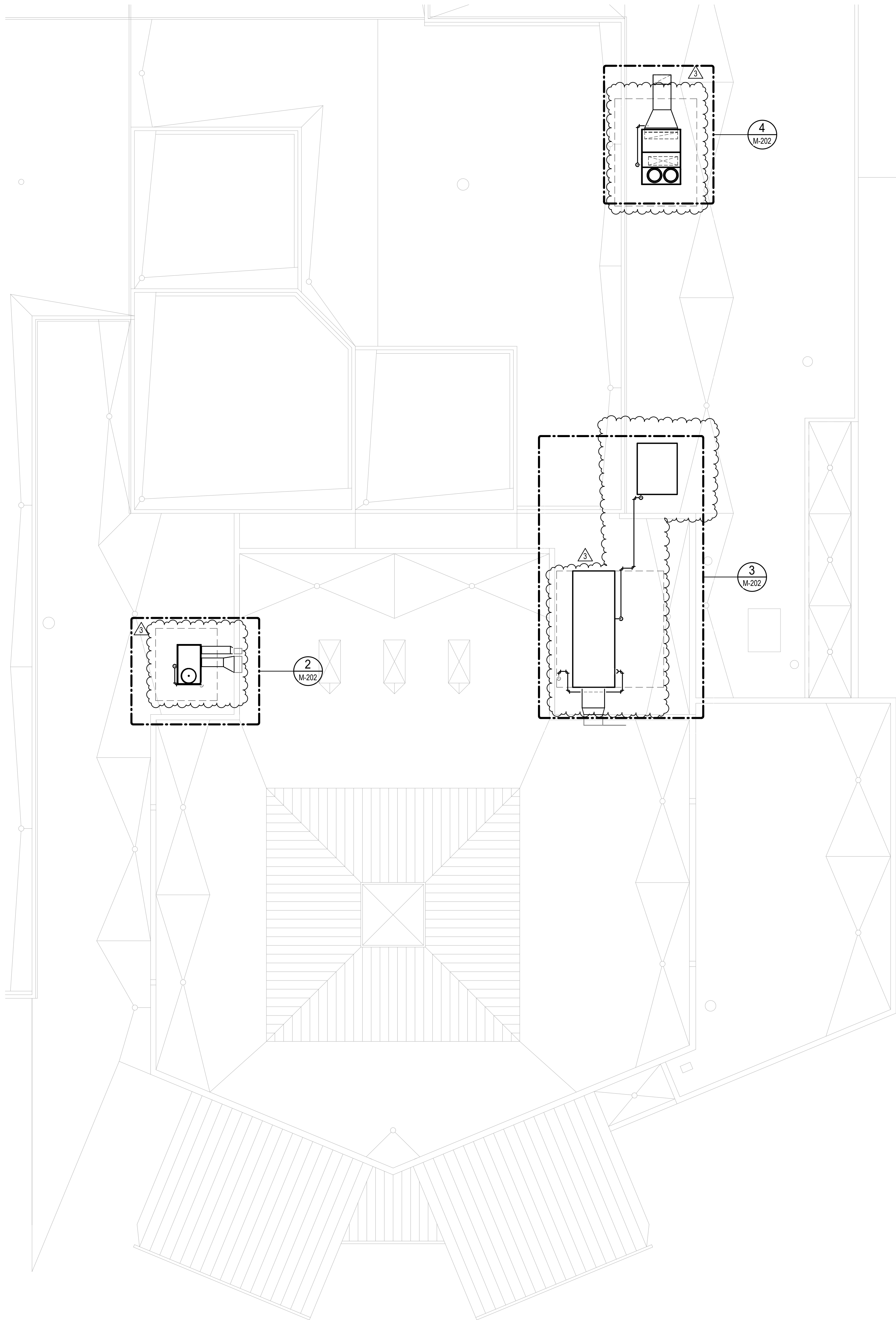
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PARTIAL ROOF
DEMOLITION PLANS -
AREAS 5 & 6 - HVAC

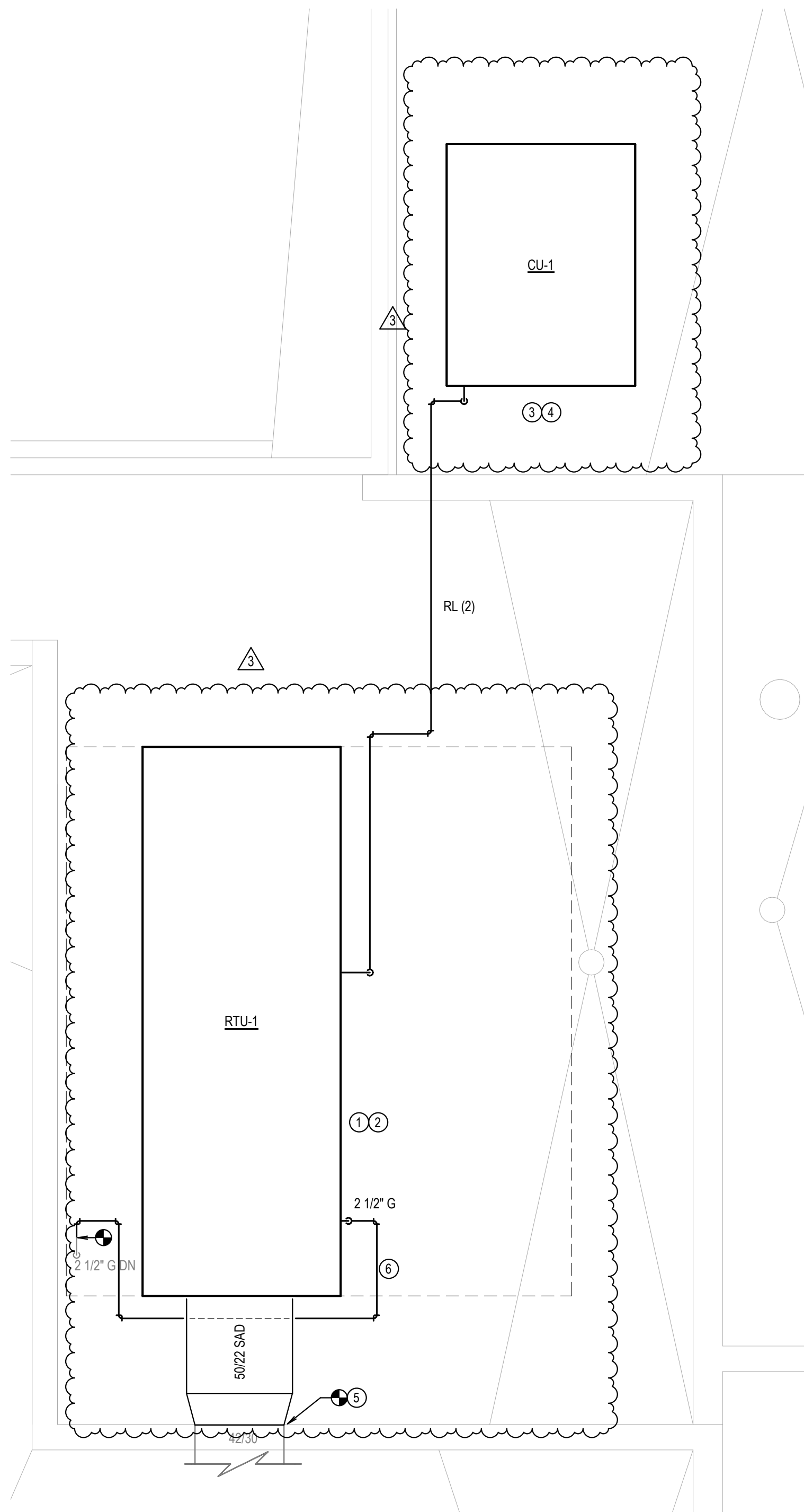
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DATE: 03.08.2024

M-102

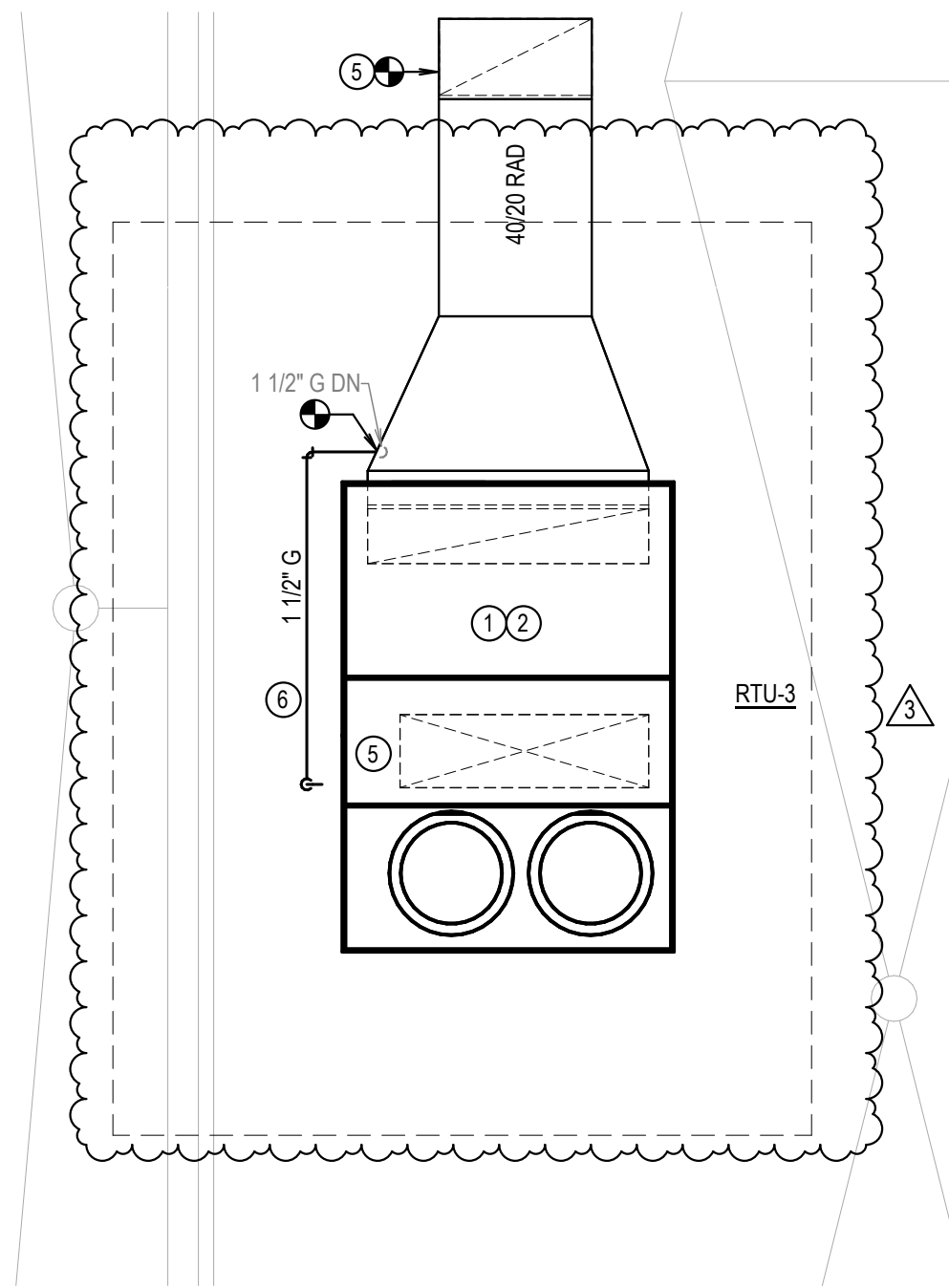
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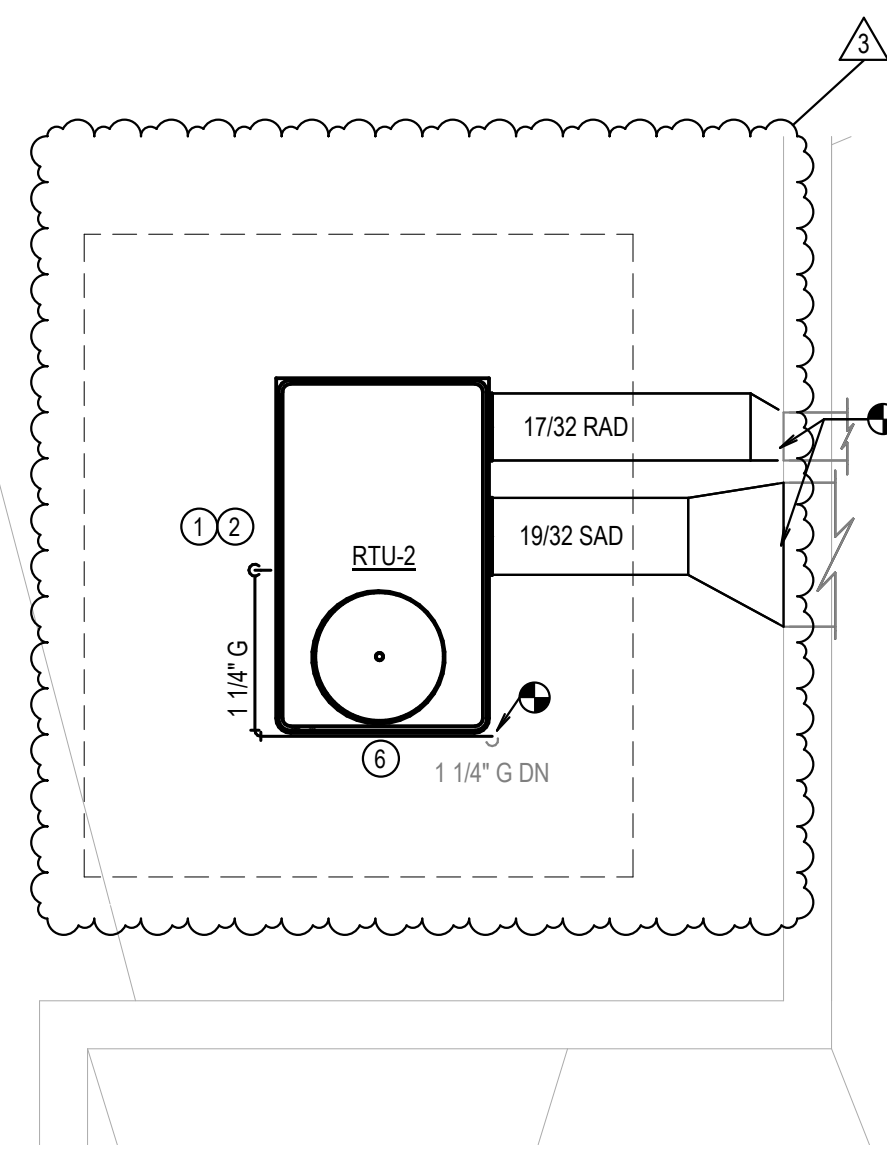
1 PARTIAL ROOF NEW WORK PLAN - AREAS 5 & 6 - HVAC
SCALE: 3/32" = 1'-0"
0 3' 5.3' 11' 21'



3 ENLARGED ROOF NEW WORK PLAN - RTU-1 & COND. - HVAC
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8'



4 ENLARGED ROOF NEW WORK PLAN - RTU-3 - HVAC
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8'



2 ENLARGED ROOF NEW WORK PLAN - RTU-2 - HVAC
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8'

GENERAL NOTES (NEW WORK)

- ENSURE EDGE OF EQUIPMENT IS A MINIMUM OF 10'-0" FROM EDGE OF ROOF.
- CONTRACTOR SHALL CONFIRM AIR BALANCE FOR ALL EXISTING HVAC SYSTEMS.
- CONTRACTOR SHALL COORDINATE NEW DUCTWORK LAYOUT AND DUCT CONNECTIONS TO EXISTING WITH EXISTING STRUCTURE, AND OTHER TRADES. COORDINATE ANY ADJUSTMENTS TO STRUCTURE WITH ARCHITECT/STRUCTURAL ENGINEER, AS NEEDED.
- COORDINATE DUCT FLOOR, WALL, ROOF PENETRATIONS FOR FPMSE BASED ON EXISTING STRUCTURE. REFER TO DESIGN TEAM WHERE ANY ADJUSTMENTS ARE REQUIRED.
- RECOMMENDATIONS FOR ANY REQUIRED ADJUSTMENTS MUST BE SUBMITTED FOR DESIGN TEAM'S APPROVAL IN A TIMELY MANNER TO AVOID PROJECT DELAYS AND COST ESCALATION.
- PROVIDE ACCESS PANELS FOR FIRE-DAMPERS WHERE NEEDED. COORDINATE DIMENSIONS AND LOCATIONS WITH ARCHITECT.
- FIELD VERIFY EXISTING CONDITIONS AND BRING ANY DISCREPANCIES TO THE DESIGN TEAM'S NOTICE IMMEDIATELY.
- THE WORK TO BE PERFORMED SHALL CONSIST PROVIDING ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO SERVICE TO REPLACE ROOF TOP MECHANICAL UNITS AT DANIEL MORGAN MIDDLE SCHOOL. ARCHITECTURAL CEILING REMOVAL/REINSTALLATION FOR REQUIRED STRUCTURAL REINFORCEMENT AND REPAIRS/MODIFICATIONS TO EXISTING ROOF BUILDING SHALL BE COMPLETED BY OWNER-CONTRACTED VENDOR. THE SELECTED CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF THE ROOF TOP UNITS, AND COORDINATING WITH OTHER OWNER-CONTRACTED VENDORS FOR ASSOCIATED WORK, INCLUDING DRYWALL, PAINTING, CEILING REPLACEMENT, AND ROOF PATCHING.

KEY NOTES (NEW WORK)

- INSTALL NEW RTU ON FACTORY SUPPLIED PRE-MANUFACTURED STANDARD AND/OR CUSTOM ROOF CURB. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CURB FLASHING DETAILS AND OTHER INFORMATION. TERMINATE CONDENSATE DRAIN MIN. 6" INCHES ABOVE ROOF. PROVIDE SPLASH BLOCK UNDERNEATH. CONDENSATE TERMINATION.
- VERIFY IN FIELD LOCATION OF DEMOLISHED RTU MADE READY FOR NEW SPECIFIED UNIT INSTALLATION.
- INSTALL NEW CU ON NEW EQUIPMENT ROOF RAILS. COORDINATE ROOFING AROUND NEW EQUIPMENT ROOF RAILS.
- VERIFY IN FIELD LOCATION OF DEMOLISHED CU MADE READY FOR NEW SPECIFIED UNIT INSTALLATION.
- REUSE EXISTING DUCTWORK PENETRATIONS. CONNECT NEW EXTERIOR DUCTWORK TO EXISTING INTERIOR DUCTWORK AND MAKE REQUIRED DUCT TRANSITIONS AS NEEDED TO MEET EXISTING DUCT OPENINGS. PATCH AND SEAL OPENINGS. WEATHERPROOF. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- ROUTE NEW GAS PIPING AS SHOWN. PROVIDE NEW PRV.



Daniel Morgan Middle School

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RTU REPLACEMENT

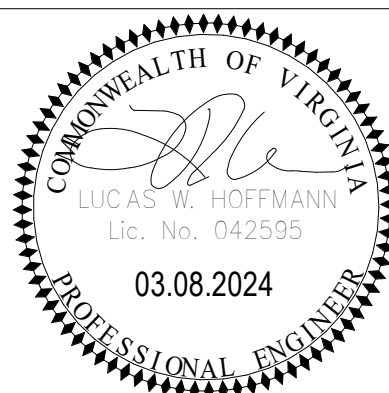


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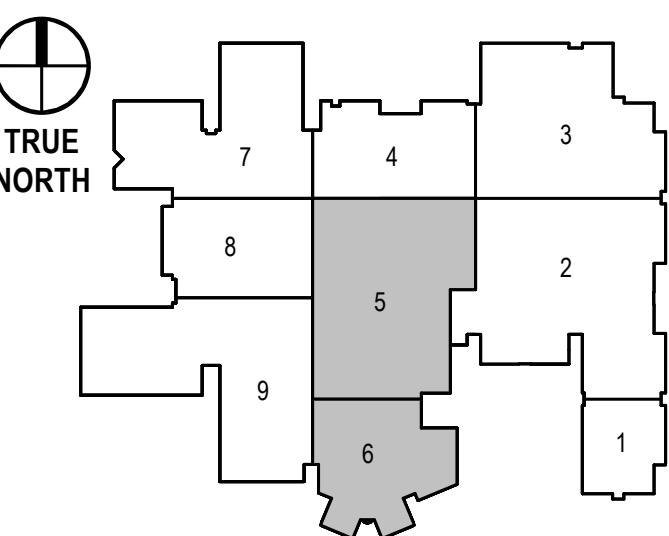
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SEAL



KEY PLAN



SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
BID ADDENDUM 3	03.08.2024

DRAWING PHASE

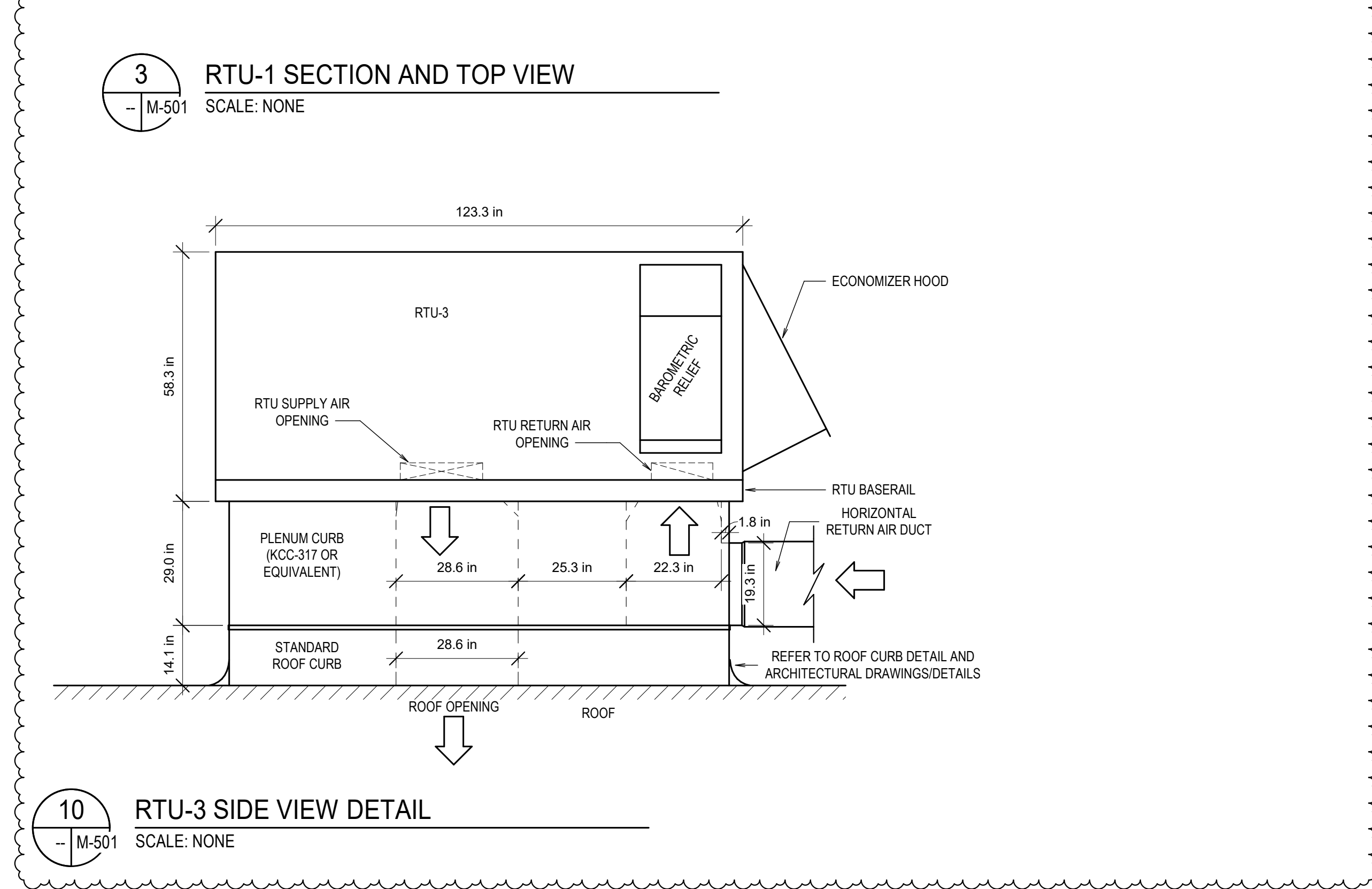
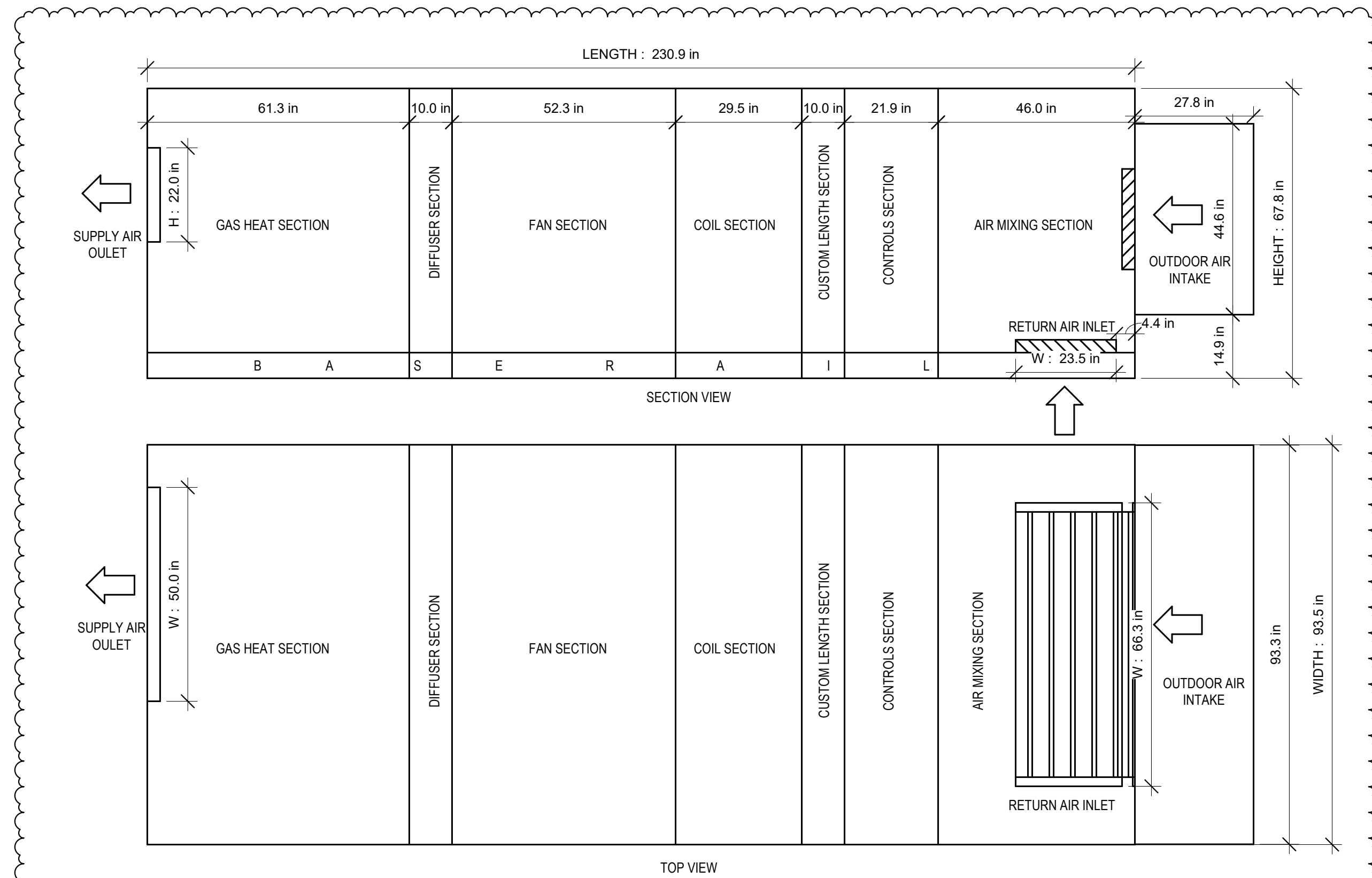
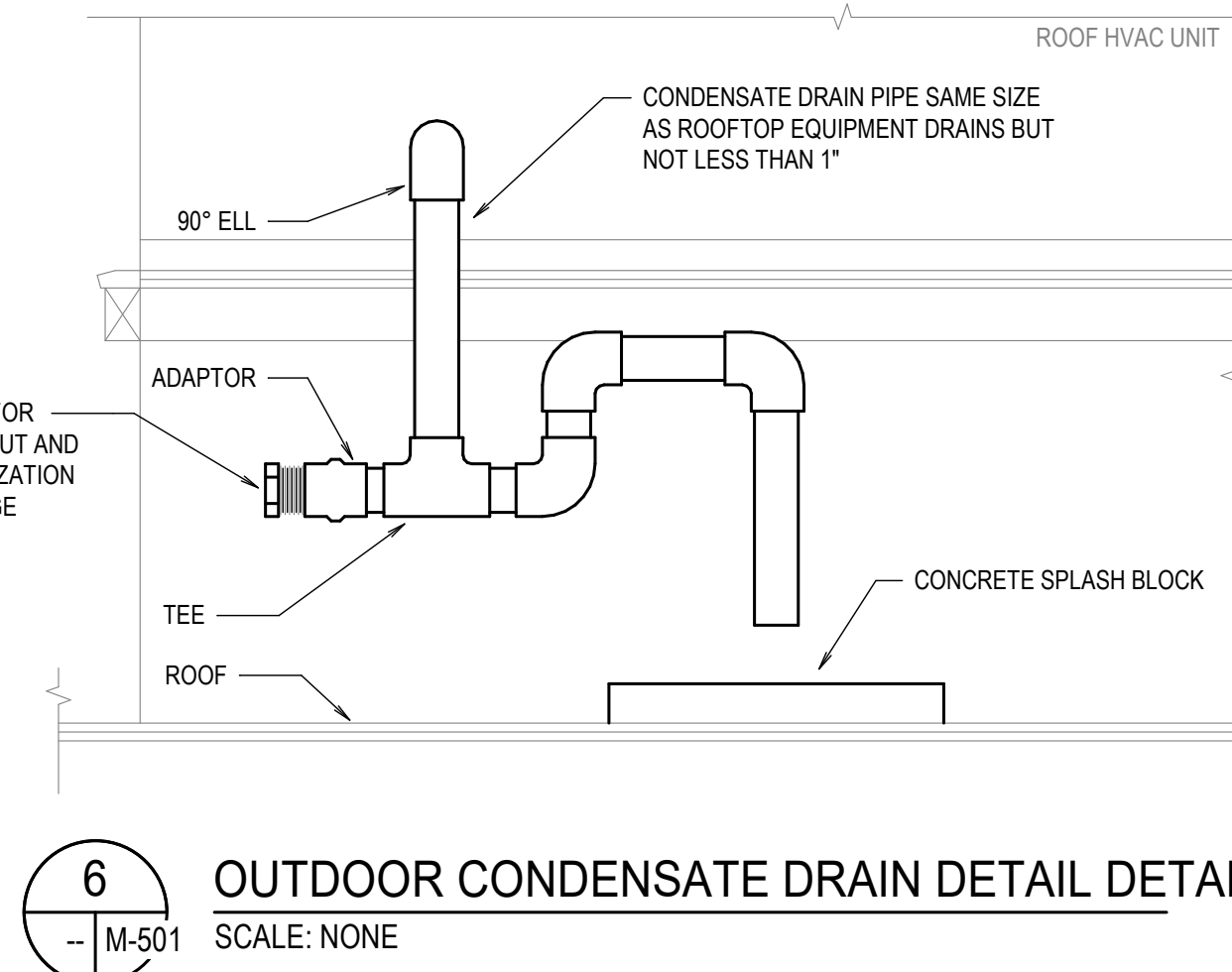
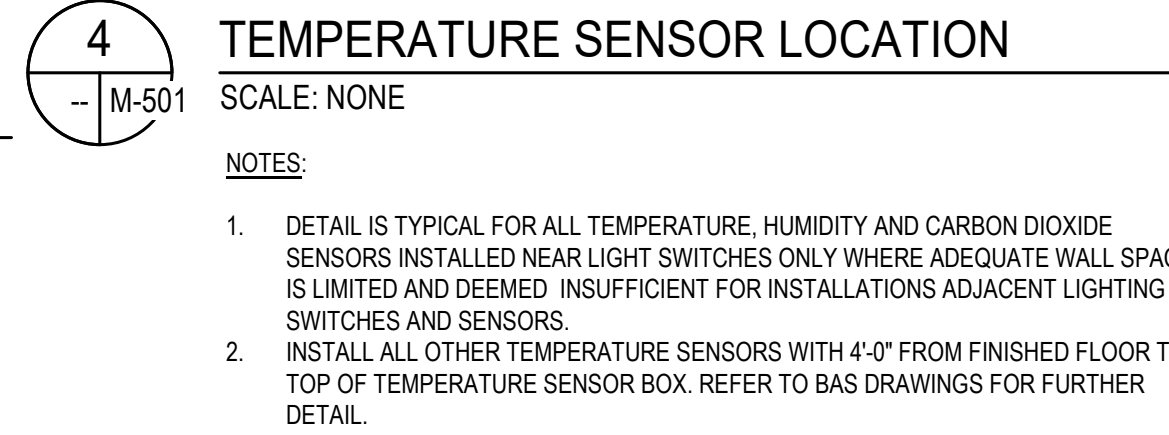
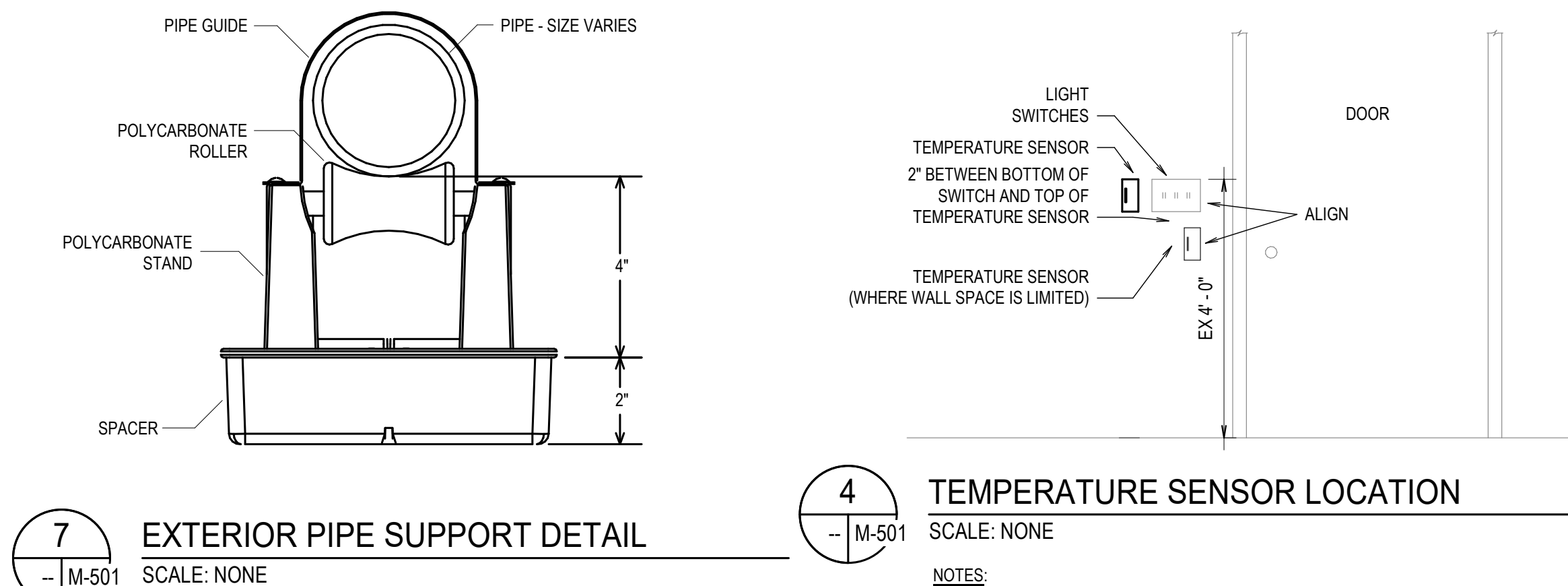
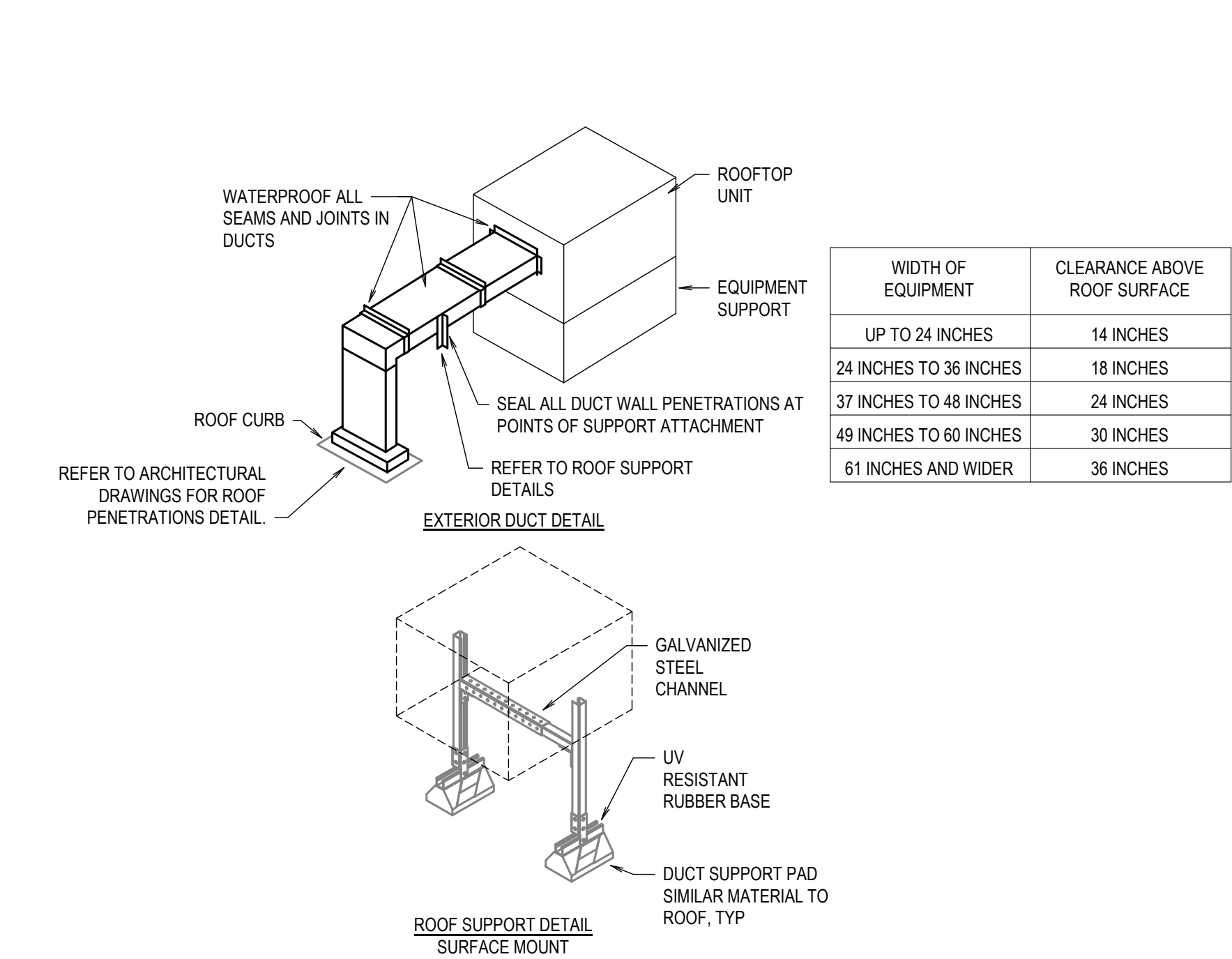
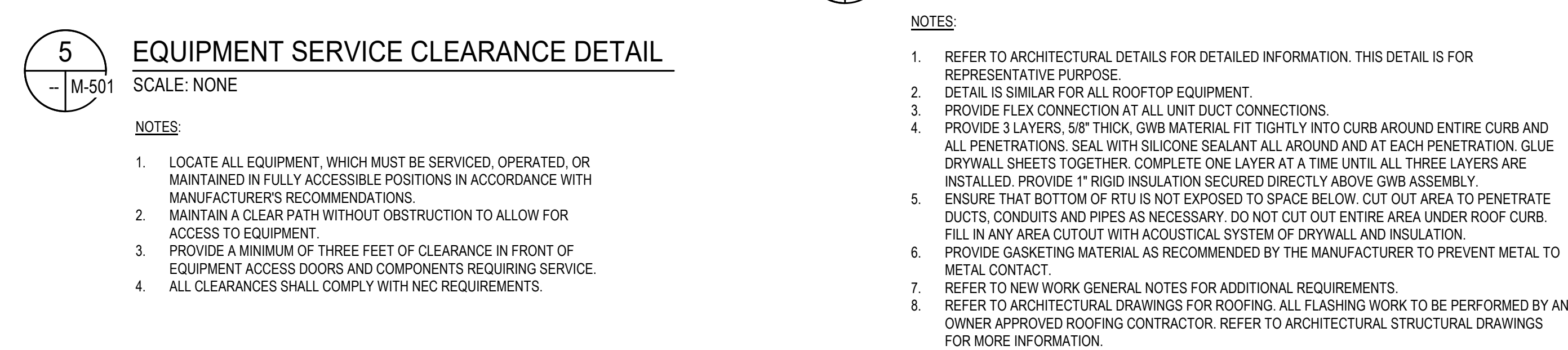
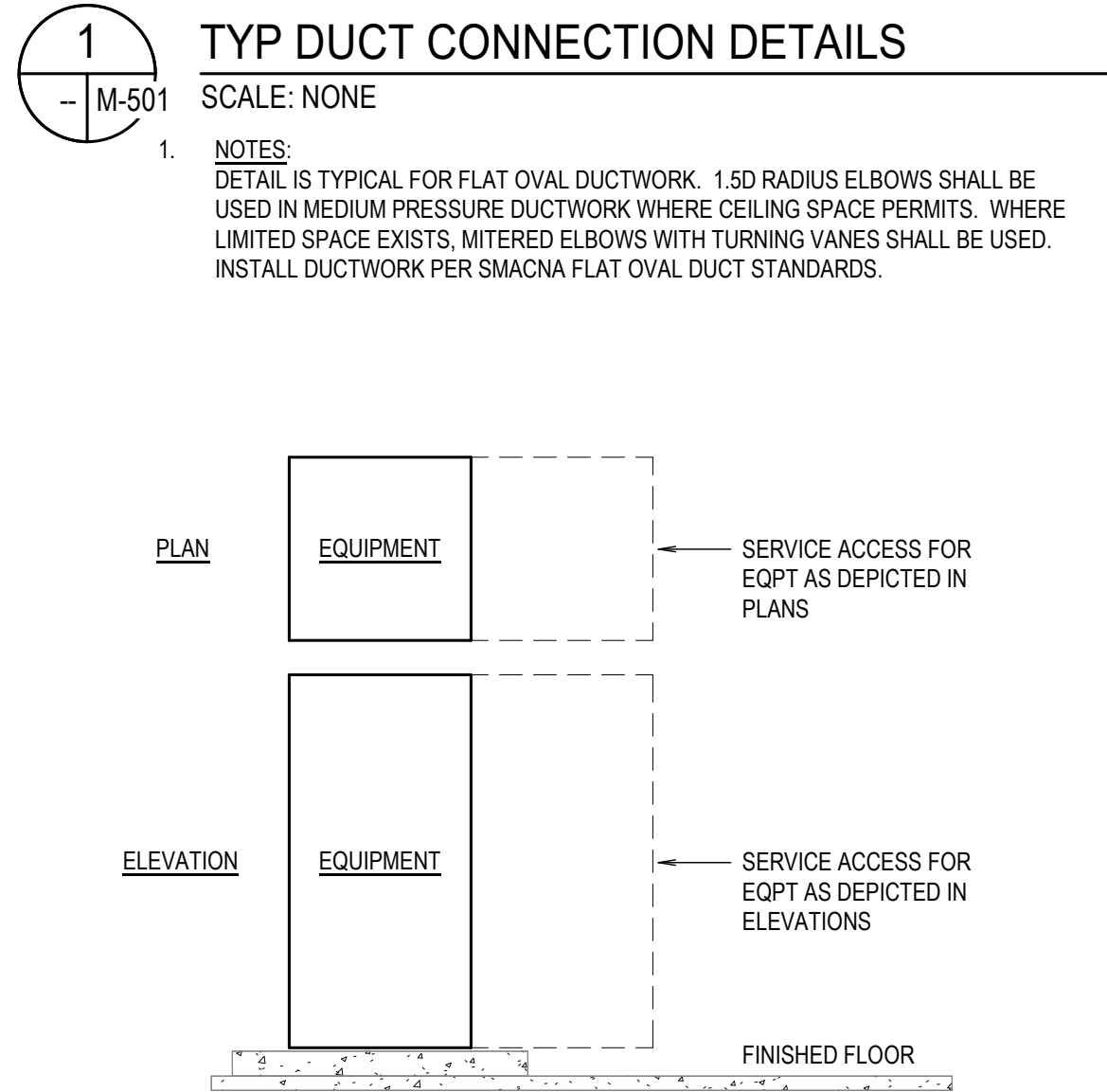
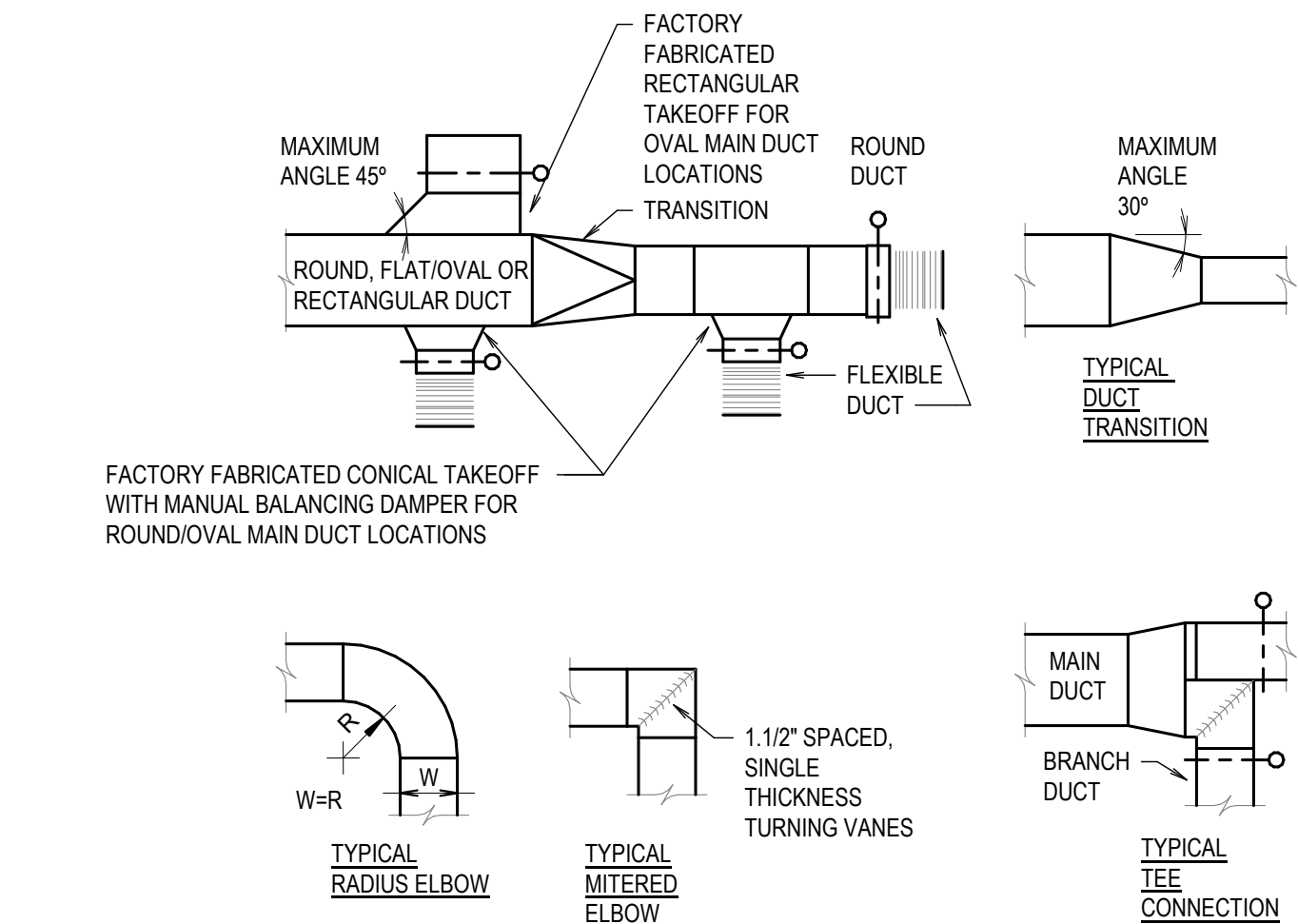
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PLANS - AREAS 5 & 6 -
HVAC

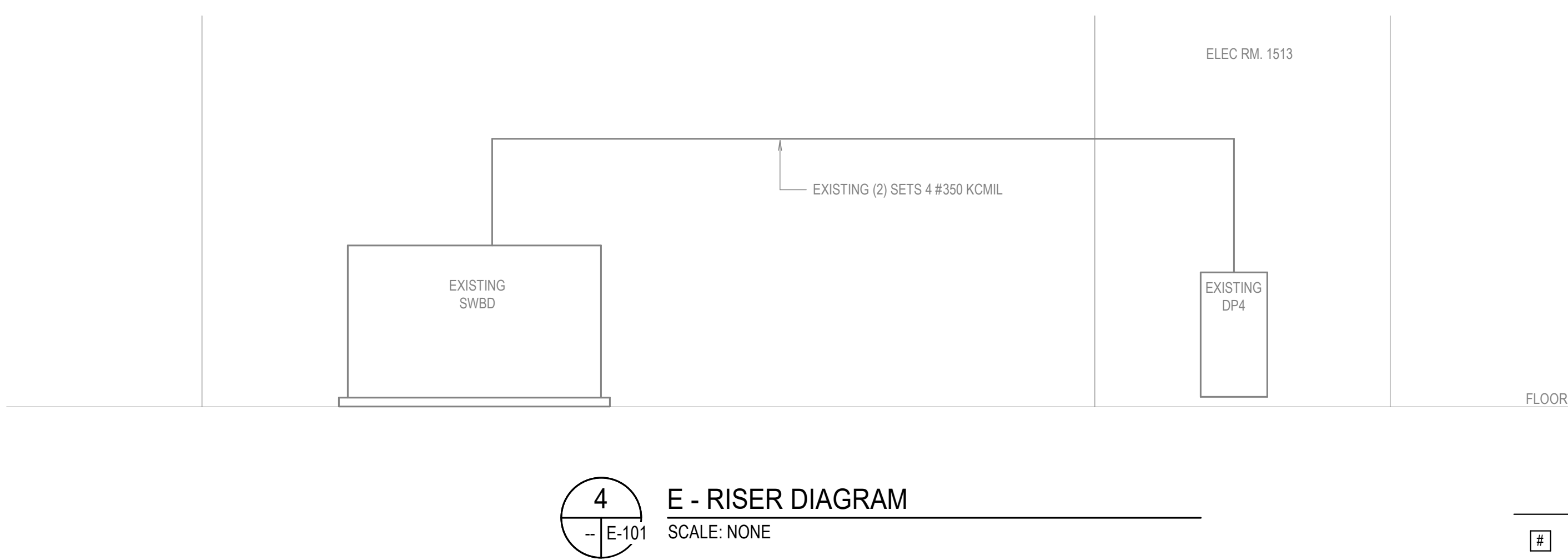
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DATE: 03.08.2024

M-202



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PANEL NO.: DP4 (EXISTING)		BUS AMPS: 600A		SQUARE D		FED FROM:		SWBD (EXISTING)		INTEGRAL SPD:		NONE					
PHASES: 3		MAIN TYPE: MLD		SERIES E1: LINE		MOUNTING:		SURFACE		LOCATION:		ELECTRICAL 5134					
VOLTS: 480V		AIC RATING: EXISTING				PANEL TYPE:		POWER DISTRIBUTION		USAGE:		BRANCH CIRCUIT					
CIRCUIT		LOAD				NOTES		BREAKER		NOTES		LOAD		CIRCUIT			
SETS	WIRE / NEUT. / GND.	CND.	AMPS			POLE	AIC	OKT. #	OKT. #	AMP.	POLE		AMPS	SETS	WIRE / NEUT. / GND.		
			0.0	(E) SPARE (OFF POSITION)		3	15	1 A	2	20	3	(E) SPARE (OFF POSITION)	0.0				
			0.0					3 B	4				0.0				
			0.0					5 C	6				0.0				
			0.0	(E) SPARE (OFF POSITION)		3	20	7 A	8	25	3	2.4 NEW RTU #2	19.2	1	#10 #10 3/4"		
			0.0					9 B	10				19.2				
			0.0					11 C	12				19.2				
			0.0	(E) SPARE (OFF POSITION)		3	15	13 A	14	60	3	3.4 NEW RTU #1	35.9	1	#6 #6 #10 1"		
			0.0					15 B	16				35.9				
			0.0					17 C	18				35.9				
			0.0	(E) SPARE (OFF POSITION)		3	40	19 A	20	40	3	(E) PAC2-1	31.9				
			0.0					21 B	22				31.9				
			0.0					23 C	24				31.9				
1	#6 #6 #10 1"	57.2	NEW RTU-3		1.4	3	50	25 A	26	60	3	(E) SPARE (OFF POSITION)	0.0				
		57.2						27 B	28				0.0				
		57.2						29 C	30				0.0				
		118.1	NEW CU-1		2.4	3	125	31 A	32	150	3	(E) PANEL "LB"	89.9				
		118.1						33 B	34				89.9				
		118.1						35 C	36				89.9				
		104.8	(E) XFMR VIA T2		3	175	37 A	38	30	3	(E) SPARE (OFF POSITION)	0.0					
		104.8						39 B	40				0.0				
		104.8						41 C	42				0.0				
PANEL NOTES:																	
1. REMOVE EXISTING BREAKER AND WIRING. INSTALL NEW BREAKER AND WIRING AS SHOWN.																	
AIC RATING TO MATCH THE EXISTING BREAKER.																	
2. REMOVE EXISTING BREAKER. INSTALL NEW BREAKER AS SHOWN. AIC TO MATCH EXISTING BREAKER. RE-USE EXISTING WIRE/CONDUIT.																	
3. REMOVE EXISTING BREAKER. INSTALL NEW BREAKER AS SHOWN. AIC TO MATCH EXISTING BREAKER. RE-USE EXISTING WIRE/CONDUIT.																	
CONTRACTOR TO FIELD VERIFY EXISTING WIRE SIZE FOR RE-USE AS BASE BID. PROVIDE ADD ALTERNATE PRICE TO																	
PROVIDE NEW WIRE IN EXISTING CONDUIT AS SPECIFIED. UPDATE PANEL DIRECTORY.																	
4. UPDATE PANEL DIRECTORY.																	
												TOTAL KVA		383.1		CONN.	
												TOTAL AMPS		460.8		DEM.	
														460.80		460.80	



4
- E-101
E - RISER DIAGRAM
SCALE: NONE

KEY NOTES (DEMO)

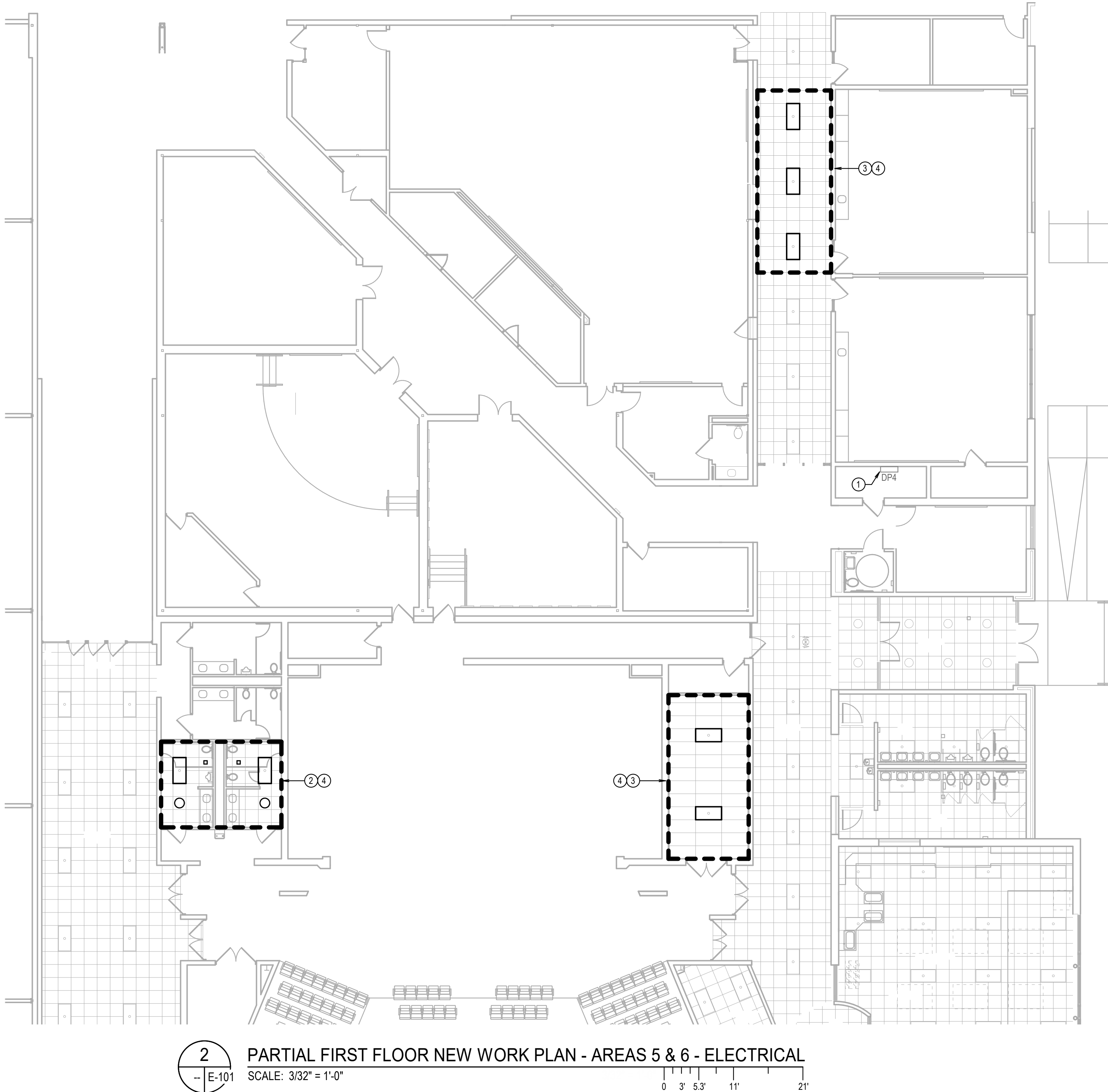
- OWNER'S (WPS) VENDOR/CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THIS KEYNOTE AND NEED NOT BE INCLUDED IN CONTRACTOR'S BID. OWNER'S VENDOR/CONTRACTOR SHALL THOROUGHLY COORDINATE THEIR WORK WITH OTHER TRADES PRIOR TO, DURING AND AFTER ANY DEMOLITION OR NEW WORK. REMOVE EXISTING GYPSUM CEILING SYSTEM AND PREPARE SPACE FOR INSTALLATION OF NEW ACT CEILING SYSTEM WITHIN THE BOUNDARY SHOWN. REFER TO NEW WORK FOR MORE INFORMATION.
- OWNER'S (WPS) VENDOR/CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THIS KEYNOTE AND NEED NOT BE INCLUDED IN CONTRACTOR'S BID. OWNER'S VENDOR/CONTRACTOR SHALL THOROUGHLY COORDINATE THEIR WORK WITH OTHER TRADES PRIOR TO, DURING AND AFTER ANY DEMOLITION OR NEW WORK. REMOVE EXISTING ACT CEILING SYSTEM (INCLUDING CEILING GRIDS, ACT CEILING TILES ETC.) AS SHOWN, INC ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. NEW ACT CEILING SYSTEM (INCLUDING CEILING GRIDS, ACT CEILING TILES ETC.) BASIS OF DESIGN SHALL BE COORDINATED WITH THE OWNER (WPS). REPAIR ANY DAMAGED PORTIONS OF WALL IN OCCUPIED SPACE AND TOUCH UP WALL PAINT AS REQUIRED TO MATCH EXISTING.
- REMOVE EXISTING TO REMAIN LIGHT FIXTURE, EXISTING TO REMAIN CEILING DIFFUSER/GRILLE, SPRINKLER HEAD AND ESCUTCHEON, AND ANY OTHER EXISTING CEILING DEVICE CURRENTLY INSTALLED FOR RE-USE AND RE-INSTALLATION IN NEW CEILING.

KEY NOTES (NEW WORK)

- EXISTING PANEL "DP4" TO REMAIN.
- OWNER'S (WPS) VENDOR/CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THIS KEYNOTE AND NEED NOT BE INCLUDED IN CONTRACTOR'S BID. OWNER'S VENDOR/CONTRACTOR SHALL THOROUGHLY COORDINATE THEIR WORK WITH OTHER TRADES PRIOR TO, DURING AND AFTER ANY DEMOLITION OR NEW WORK. INSTALL NEW ACT CEILING SYSTEM (INCLUDING CEILING GRIDS, ACT CEILING TILES ETC.) AS SHOWN, INC ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. NEW ACT CEILING SYSTEM (INCLUDING CEILING GRIDS, ACT CEILING TILES ETC.) BASIS OF DESIGN SHALL BE COORDINATED WITH THE OWNER (WPS). REPAIR ANY DAMAGED PORTIONS OF WALL IN OCCUPIED SPACE AND TOUCH UP WALL PAINT AS REQUIRED TO MATCH EXISTING.
- OWNER'S (WPS) VENDOR/CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THIS KEYNOTE AND NEED NOT BE INCLUDED IN CONTRACTOR'S BID. OWNER'S VENDOR/CONTRACTOR SHALL THOROUGHLY COORDINATE THEIR WORK WITH OTHER TRADES PRIOR TO, DURING AND AFTER ANY DEMOLITION OR NEW WORK. RE-INSTALL SALVAGED ACT CEILING SYSTEM (INCLUDING CEILING GRIDS, ACT CEILING TILES ETC.) WITHIN THE BOUNDARY SHOWN. REPLACE ANY DAMAGED CEILING TILES WITH NEW TILES TO MATCH ADJACENT UNDAMAGED CEILING TILES.
- REINSTALL EXISTING TO REMAIN LIGHT FIXTURE, EXISTING TO REMAIN CEILING DIFFUSER/GRILLE, SPRINKLER HEAD AND ESCUTCHEON, AND ANY OTHER EXISTING CEILING DEVICE SALVAGED DURING DEMOLITION BACK IN THE NEW CEILING AS SHOWN. RESTORE FIXTURE/EQUIPMENT'S OPERATION TO THE CONDITION IT IN WAS PRIOR TO DEMOLITION. REBALANCE AIRFLOW ON DIFFUSERS/REGISTERS TO THE EXISTING VALUES.



1
- E-101
PARTIAL FIRST FLOOR DEMOLITION PLAN - AREAS 5 & 6 - ELECTRICAL
SCALE: 3/32" = 1'-0"



2
- E-101
PARTIAL FIRST FLOOR NEW WORK PLAN - AREAS 5 & 6 - ELECTRICAL
SCALE: 3/32" = 1'-0"

GENERAL NOTES

- THE WORK TO BE PERFORMED SHALL CONSIST PROVIDING ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO SERVICE TO REPLACE ROOF TOP MECHANICAL UNITS AT DANIEL MORGAN MIDDLE SCHOOL. ARCHITECTURAL CEILING REMOVAL/REINSTALLATION FOR REQUIRED STRUCTURAL REINFORCEMENT AND REPAIRS/MODIFICATIONS TO EXISTING ROOF/BUILDING SHALL BE COMPLETED BY OWNER-CONTRACTED VENDOR. THE SELECTED CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF THE ROOF TOP UNITS, AND COORDINATING WITH OTHER OWNER-CONTRACTED VENDORS FOR ASSOCIATED WORK, INCLUDING DRYWALL, PAINTING, CEILING REPLACEMENT, AND ROOF PATCHING.

WPS
LEARNING FOR ALL
WINCHESTER
PUBLIC SCHOOLS

DANIEL MORGAN
MIDDLE SCHOOL

Daniel Morgan Middle School
48 S. Purcell Ave.
Winchester, VA 22601

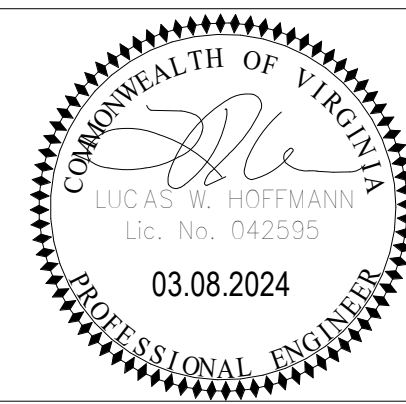
RTU REPLACEMENT

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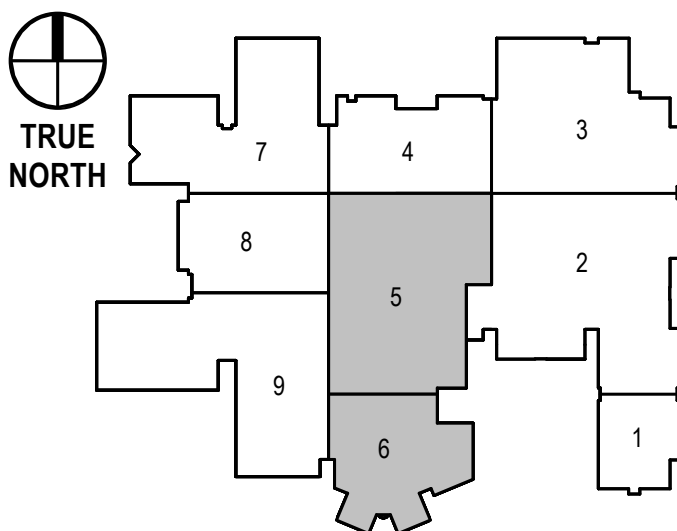
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SEAL



KEY PLAN



SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
BID ADDENDUM 3	03.08.2024

DRAWING PHASE

BID SET

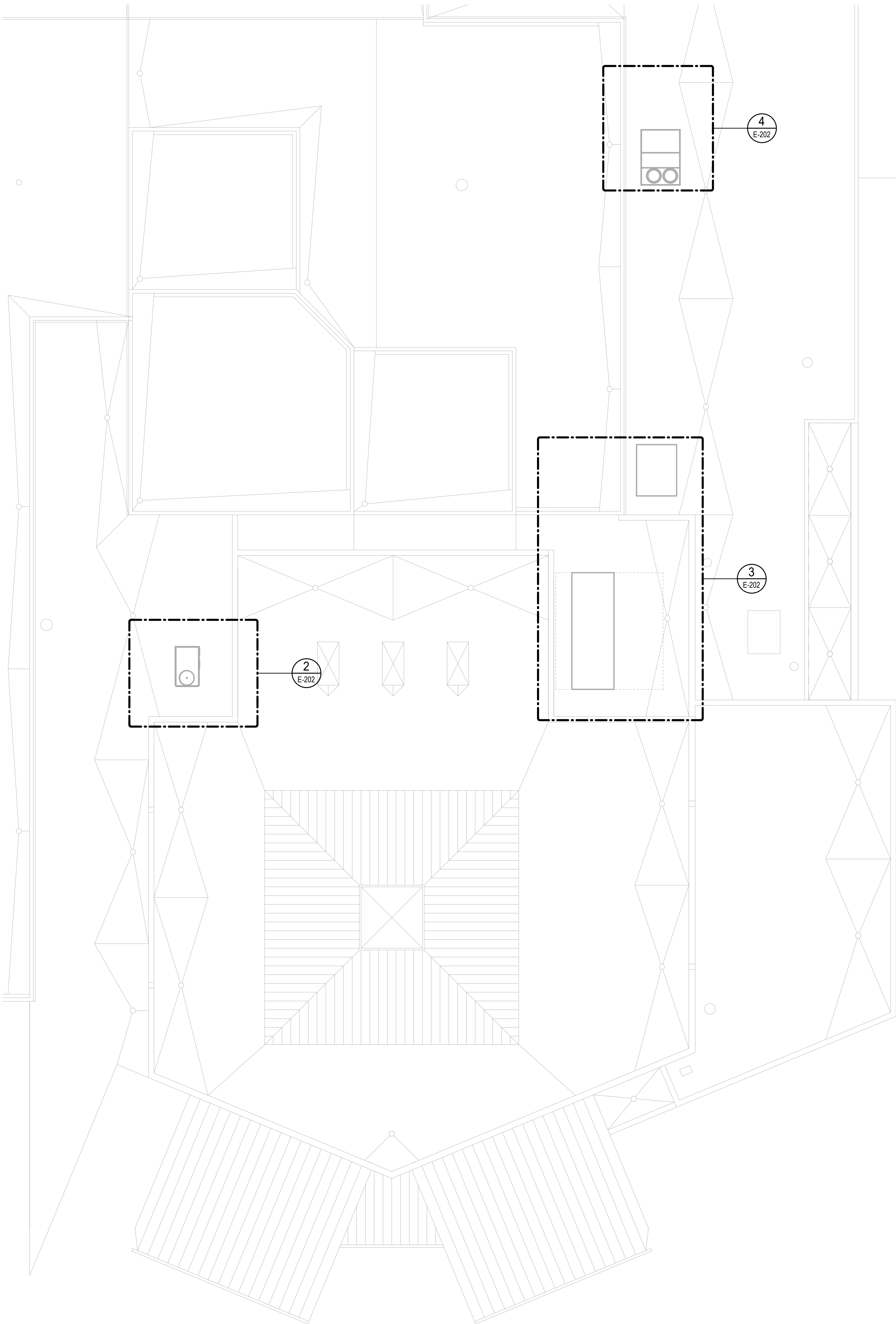
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PARTIAL PLANS - AREA 5 & 6 - ELECTRICAL

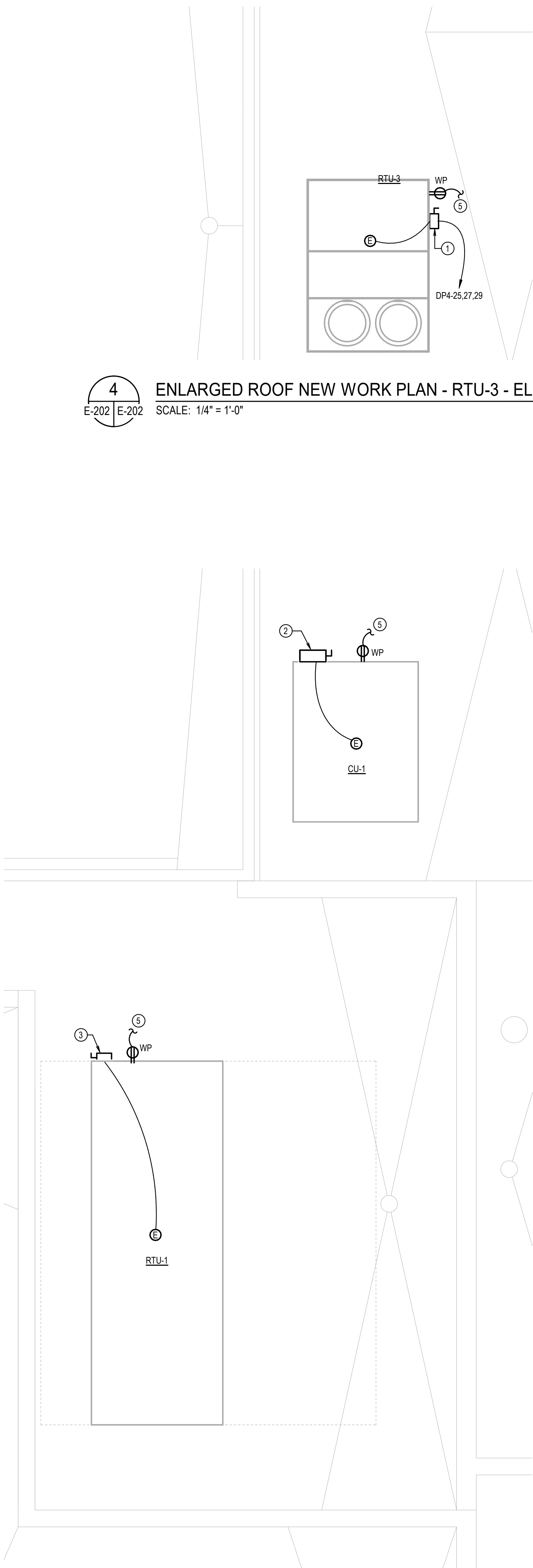
DRAFTED BY:	JV/SS	CHECKED BY:	BW
DATE:	03.08.2024		

E-101

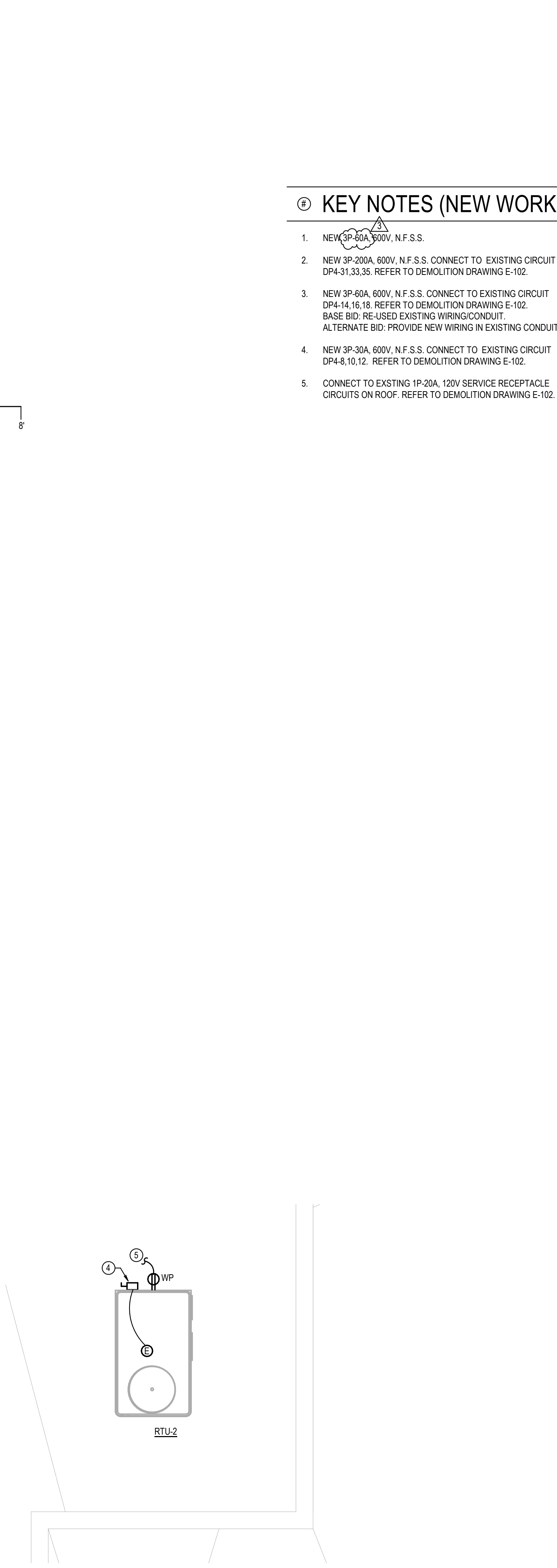
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1 PARTIAL ROOF NEW WORK PLAN - AREAS 5 & 6 - ELECTRICAL
SCALE: 3/32" = 1'-0"
0 3' 5.3' 11' 21'



3 ENLARGED ROOF NEW WORK PLAN - RTU-1 & COND. - ELECTRICAL
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8'



2 ENLARGED ROOF NEW WORK PLAN - RTU-2 - ELECTRICAL
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8'

GENERAL NOTES (NEW WORK)

1. RECONNECT ALL NEW RTU(S) TO THE EXISTING FIRE ALARM SYSTEM/SMOKE DETECTION SHUTDOWN WIRING.
2. THE WORK TO BE PERFORMED SHALL CONSIST PROVIDING ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO SERVICE TO REPLACE ROOF TOP MECHANICAL UNITS AT DANIEL MORGAN MIDDLE SCHOOL. ARCHITECTURAL CEILING REMOVAL/REINSTALLATION FOR REQUIRED STRUCTURAL REINFORCEMENT AND REPAIRS/MODIFICATIONS TO EXISTING ROOF/BUILDING SHALL BE COMPLETED BY OWNER-CONTRACTED VENDOR. THE SELECTED CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF THE ROOF TOP UNITS, AND COORDINATING WITH OTHER OWNER-CONTRACTED VENDORS FOR ASSOCIATED WORK, INCLUDING DRYWALL, PAINTING, CEILING REPLACEMENT, AND ROOF PATCHING.

KEY NOTES (NEW WORK)

1. NEW 3P-60A, 600V, N.F.S.S.
2. NEW 3P-200A, 600V, N.F.S.S. CONNECT TO EXISTING CIRCUIT DP4-31,33,35. REFER TO DEMOLITION DRAWINGS E-102.
3. NEW 3P-60A, 600V, N.F.S.S. CONNECT TO EXISTING CIRCUIT DP4-14,16,18. REFER TO DEMOLITION DRAWING E-102. BASE BID: RE-USE EXISTING WIRING/CONDUIT. ALTERNATE BID: PROVIDE NEW WIRING IN EXISTING CONDUIT.
4. NEW 3P-30A, 600V, N.F.S.S. CONNECT TO EXISTING CIRCUIT DP4-8,10,12. REFER TO DEMOLITION DRAWING E-102.
5. CONNECT TO EXISTING 1P-20A, 120V SERVICE RECEPTACLE CIRCUITS ON ROOF. REFER TO DEMOLITION DRAWING E-102.



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RTU REPLACEMENT



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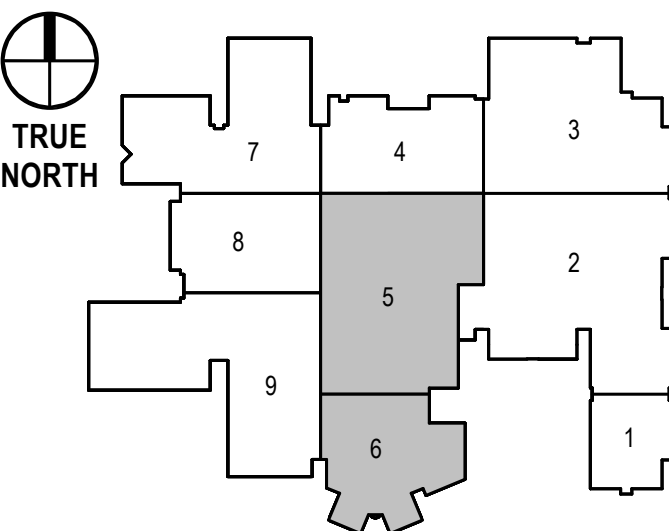
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SEAL



KEY PLAN



SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
BID ADDENDUM 3	03.08.2024

DRAWING PHASE

BID SET

DRAWING TITLE:

PARTIAL ROOF NEW WORK
PLANS - AREAS 5 & 6 -
ELECTRICAL

DRAFTED BY: JV/SS CHECKED BY: BW
DATE: 03.08.2024

E-202

DESIGN NOTES

I. DESIGN LOADS FOR NEW WORK

A. ROOF SNOW AND LIVE LOAD

1. $P_g = 35 \text{ PSF}$

2. $P_f = 27 \text{ PSF} + \text{DRIFTING, MIN ROOF DESIGN LOAD} = 20 \text{ PSF}$

3. ROOF LIVE LOAD = $20 \text{ PSF} + 500 \text{ LBS. CONCENTRATED LOAD}$

4. SNOW EXPOSURE FACTOR, $C_e = 1.0$

5. SNOW LOAD IMPORTANCE FACTOR, $I_s = 1.1$

6. SLOPE FACTOR, $C_s = 1.0$

7. THERMAL FACTOR, $C_t = 1.0$

B. WIND LOAD

1. $V_{ult} \text{ (3-second gust)} = 117 \text{ MPH}$

2. $V_{service} \text{ (10-YR. MR)} = 78 \text{ MPH}$

3. EXPOSURE = B

4. INTERNAL PRESSURE COEFFICIENT = $0.18G_{cp}$

5. COMPONENT AND CLADDING PRESSURE PER ASCE 7, TABLE 26.10-1 AND FIGURES 30.3-1.

C. SEISMIC LOAD

1. RISK CATEGORY = III

2. SEISMIC IMPORTANCE FACTOR, $I_E = 1.25$

3. MAPPED SPECTRAL ACCELERATION, SHORT PERIOD, $S_s = 0.125$

4. MAPPED SPECTRAL ACCELERATION, 1-SEC. PERIOD, $S_1 = 0.044$

5. SITE CLASS = C

6. SPECTRAL RESPONSE COEFFICIENT, SHORT PERIOD, $SDS = 0.108$

7. SPECTRAL RESPONSE COEFFICIENT, 1-SEC. PERIOD, $SD1 = 0.044$

8. SEISMIC DESIGN CATEGORY = B

9. SEISMIC RESPONSE COEFFICIENT, $CS = 0.098$

10. RESPONSE MODIFICATION FACTOR, $R = 5$

11. ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

D. CODE: THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH:
2018 VIRGINIA UNIFORM BUILDING CODE AND THE INTERNATIONAL BUILDING CODE/2018.

E. SUPERIMPOSED DEAD LOADS

1. ROOF

a. TYPICAL = 15

b. 10 PSF, APPLICABLE ONLY DURING WIND UPLIFT

II. STRUCTURAL STEEL

A. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC "STEEL CONSTRUCTION MANUAL" WITH MINIMUM YIELD STRENGTHS AS FOLLOWS:

1. ANGLES AND RODS: $F_y = 36 \text{ ksi}$ PER ASTM A36.

2. PLATES: $F_y = 50 \text{ ksi}$ PER ASTM A572 GRADE 50.

3. ANCHOR RODS: $F_y = 55 \text{ ksi}$ PER ASTM F1554 GRADE 55 – SUPPLEMENT S1.

4. BOLTS: $F_y = 120 \text{ ksi}$ PER ASTM F3125 GRADE A325.

5. NUTS: ASTM A563

6. WASHERS: ASTM F436

B. ALL EXTERIOR EXPOSED BOLTS SHALL BE HOT-DIPPED GALVANIZED CONFORMING TO ASTM A153, CLASS C.

C. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" AWS D1.1 CURRENT CODE. USE 70 KSI, LOW-HYDROGEN ELECTRODES.

D. NO FABRICATION SHALL PROCEED PRIOR TO SHOP DRAWINGS APPROVAL.

E. NO OPENINGS IN BEAMS OR COLUMNS ARE PERMITTED WITHOUT PRIOR APPROVAL.

F. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT PRIOR APPROVAL OF LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.

G. STRUCTURAL STEEL SHOP DRAWINGS SHALL INCLUDE DETAILS FOR APPLICATION AND ASSEMBLY OF ALL STRUCTURAL MEMBERS. INCLUDE DETAILS OF CUTS, CONNECTIONS, HOLES, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS Z1 SYMBOLS SHOWING SIZE, LENGTH AND TYPE OF EACH WELD. SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.

H. ALL MISCELLANEOUS STEEL CONNECTIONS SHALL BE WELDED ALL AROUND WITH ONE-QUARTER-INCH FILLET WELD UNLESS OTHERWISE NOTED, EXCEPT FOR SLOTTED CONNECTIONS.

I. GC SHALL COVER ALL STORED MATERIAL FROM EXTERIOR EXPOSURE AS NEEDED TO PREVENT CORROSION PRIOR TO INSTALLATION.

J. ALL WORK SHALL COMPLY WITH THE AISC CODE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

III. OPEN WEB STEEL JOISTS

A. ALL CONCENTRATED LOADS ON OPEN WEB STEEL JOISTS EXCEEDING 100 LBS SHALL BE LOCATED AT PANEL POINTS. JOIST WEB REINFORCEMENT IS REQUIRED AT LOCATIONS WHERE POINT LOADS CANNOT BE COORDINATED WITHIN 3-INCHES OF PANEL POINT LOCATIONS. SEE **85401**

IV. GENERAL

A. INFORMATION SHOWN REGARDING EXISTING CONDITIONS HAS BEEN FROM EXISTING DRAWINGS PREPARED BY WATKINS PARTNERSHIP DATED 12-01-2000 & REVISIONS DATED MARCH 2001 AND OBTAINED BY LIMITED VISUAL OBSERVATIONS. AREAS NOT VISIBLE HAVE BEEN ASSUMED TO BE TYPICAL WITH OBSERVED EXISTING CONDITIONS.

B. THE CONTRACTOR SHALL EXPOSE AND CONFIRM ALL EXISTING STRUCTURAL CONDITIONS RELATIVE TO THE NEW CONSTRUCTION AND INFORM THE ENGINEER OF CONDITIONS AT VARIANCE WITH THOSE SHOWN ON THE DRAWINGS. VERIFICATION AND NOTIFICATION SHALL PROCEED PRIOR TO THE START OF WORK SO THAT ANY NECESSARY CHANGES CAN BE MADE WITHOUT DELAYING THE PROJECT SCHEDULE.

C. THE CONTRACTOR SHALL MEASURE AND PROVIDE ALL EXISTING FIELD DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE PRIOR TO CONSTRUCTION AND THE SUBMISSION OF SHOP DRAWINGS AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

D. WHENEVER THE LOADING FROM THE CONTRACTOR'S EQUIPMENT EXCEEDS THE ALLOWABLE LIVE LOAD CAPACITIES INDICATED ON THE DRAWINGS, TEMPORARY SHORING SHALL BE PROVIDED. THE SHORING DESIGN PROCEDURES SHALL CONFORM TO ALL GOVERNING CODES & SAFETY REQUIREMENTS. A RECORD COPY OF THE SIGNED & SEALED SHORING DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED FOR REVIEW.

E. DETAILS, SECTIONS, AND NOTES SHOWN ON THESE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE UNLESS OTHERWISE SHOWN OR NOTED.

F. THE DEVELOPMENT AND IMPLEMENTATION OF JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE DESIGN RESPONSIBILITY OF THE GENERAL CONTRACTOR.

G. CONTRACTOR SHALL PROVIDE INDEPENDENTLY PREPARED SHOP DRAWINGS AND SHALL NOT REPRODUCE ANY PORTION OF THE CONTRACT DOCUMENTS IN PREPARING SHOP DRAWINGS. THE SHOP DRAWINGS SHALL NOT SIMPLY BE A MARK-UP OF THE CONTRACT DOCUMENTS.

H. WORKMANSHIP: THE GENERAL CONTRACTOR SHALL DESIGN AND CONSTRUCT MISCELLANEOUS NON-STRUCTURAL COMPONENTS IN A WORKMAN LIKE MANNER THAT IS CONSISTENT WITH GENERAL CONSTRUCTION STANDARDS. COMPLETE INSTALLATIONS ARE REQUIRED THAT ARE READY FOR SERVICE

V. DEMOLITION

A. ALL MEANS AND METHODS OF SAFELY REMOVING ALL EXISTING CONSTRUCTION SHALL BE SOLELY THE DESIGN RESPONSIBILITY OF THE CONTRACTOR.



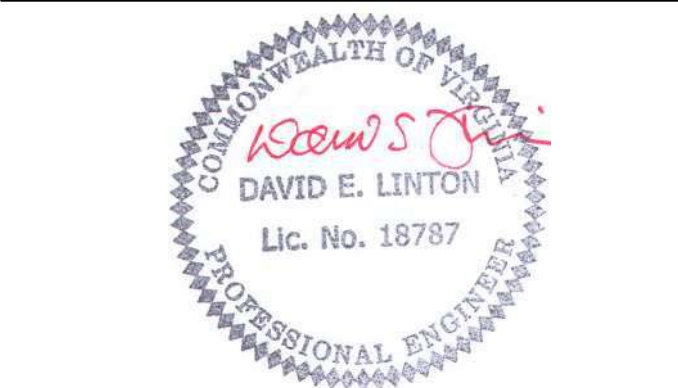
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KEY PLAN

SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024

DRAWING PHASE

BID SET

DRAWING TITLE:

DESIGN NOTES

DRAFTED BY:	JaL/AK	CHECKED BY:	DL
DATE:	03.08.2024		

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S001

MECH UNIT WEIGHT SCHEDULE				
MARK	SIZE (LxWxH)	WEIGHT (LBS)	CURB WEIGHT (LBS)	CURB ADAPTOR WEIGHT (LBS)
RTU-1	19.2'x7.8'x5.6'	5899	375	N/A
RTU-2	7.3'x4.4'x4.2'	1120	200	N/A
RTU-3	10.3'x7.3'x4.9'	2310	200	N/A
CU-1	9.5'x7.2'x6.6'	3462	200	N/A

NOTES:

- IF A MECHANICAL UNIT TO BE INSTALLED WEIGHS MORE THAN INDICATED IN ABOVE TABLE, UNIT SIZE AND WEIGHT SHALL BE SUBMITTED TO STRUCTURAL ENGINEER FOR REVIEW.
- GC SHALL COORDINATE MECHANICAL EQUIPMENT SIZES AND LOCATIONS WITH MECHANICAL DRAWINGS & EQUIPMENT MANUFACTURER ROOF OPENINGS SHALL BE ADJUSTED AS NEEDED TO AVOID CONFLICT WITH EXISTING FRAMING WHICH IS NOT BEING SHOWN AS BEING CUT OR REMOVED ON PLAN. GC SHALL SUBMIT PROPOSED EQUIPMENT LOCATIONS TO ENGINEER FOR REVIEW PRIOR TO FABRICATION.
- EXISTING DUCTWORK PENETRATION THROUGH ROOF OR EXTERIOR WALL WILL BE REUSED FOR NEW DUCTWORK. PER MEP DRAWINGS.



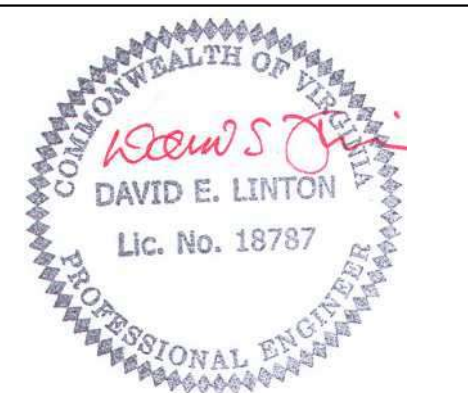
1 ROOF FRAMING PLAN

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

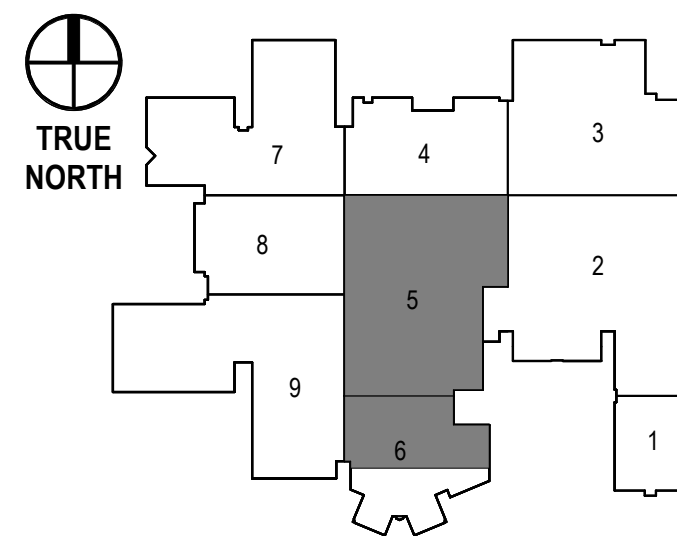
ROOF FRAMING NOTES:

- DO NOT SCALE DRAWINGS FOR DETERMINING PLAN DIMENSIONS.
- (EX, R) DESIGNATES EXISTING 1 1/2" x 22 GA TYPE B ROOF DECK (S60) SPAN DIRECTION.

SEAL



KEY PLAN



SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
BID ADDENDUM 3	03.08.2024

DRAWING PHASE

BID SET

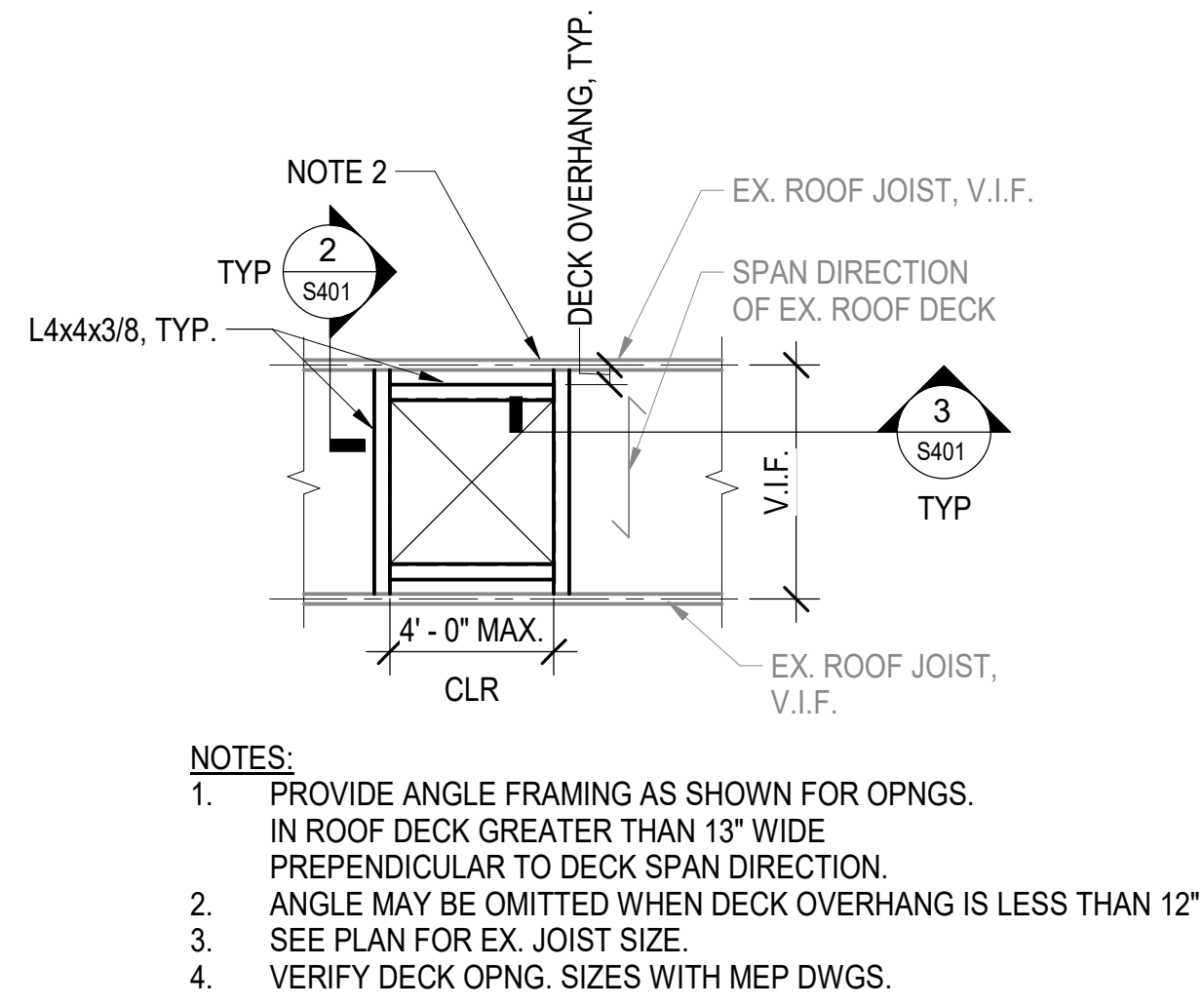
DRAWING TITLE:

ROOF FRAMING
PLAN

DRAFTED BY: JAL/JAK CHECKED BY: DL
DATE: 03.08.2024

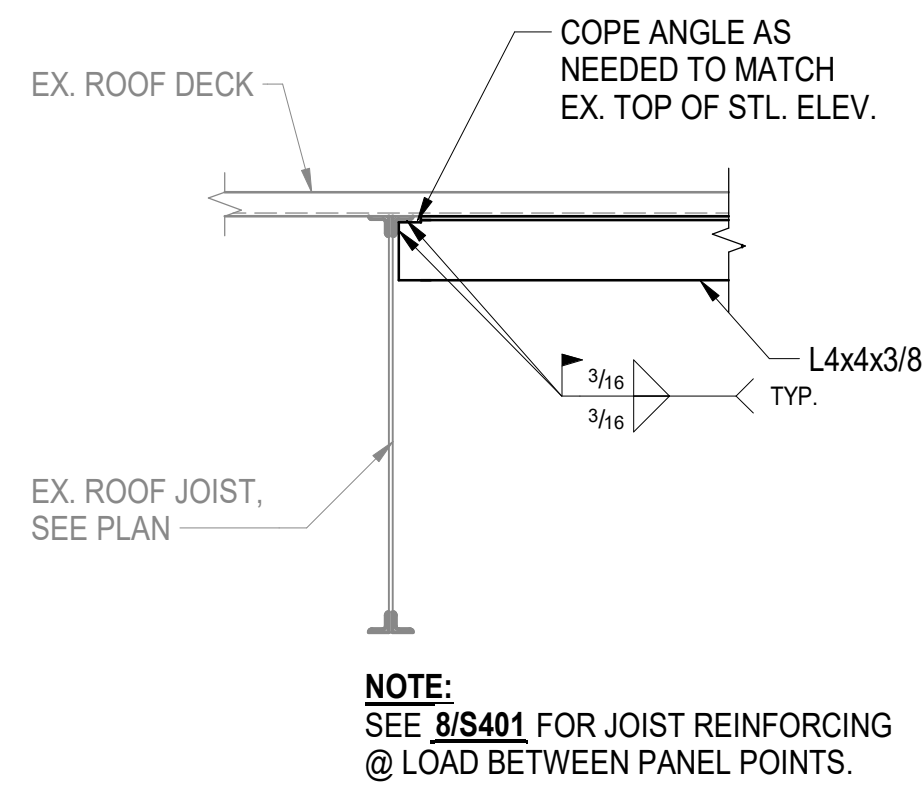
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S101



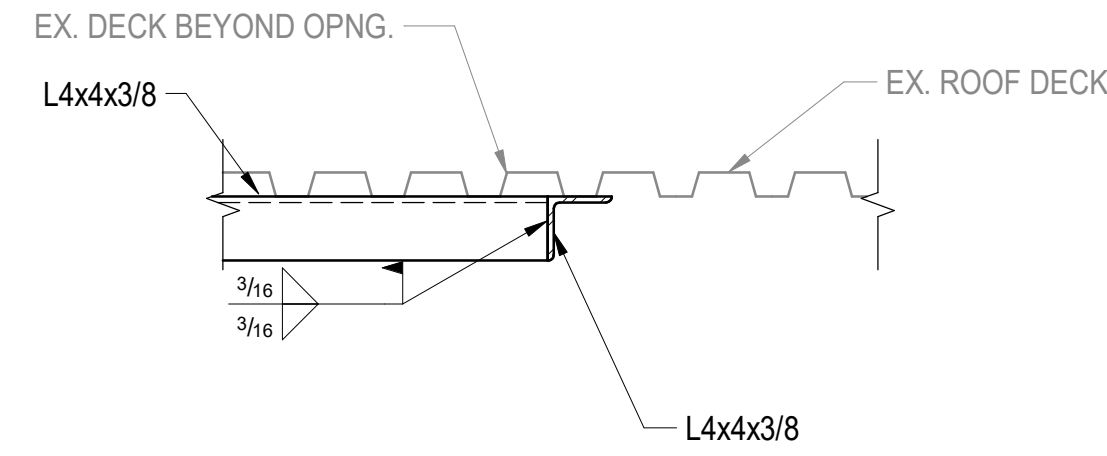
1 TYP. FRAMING FOR MECH UNITS & OPNG IN EX. ROOF DECK

S401 SCALE: 1/4" = 1'-0"



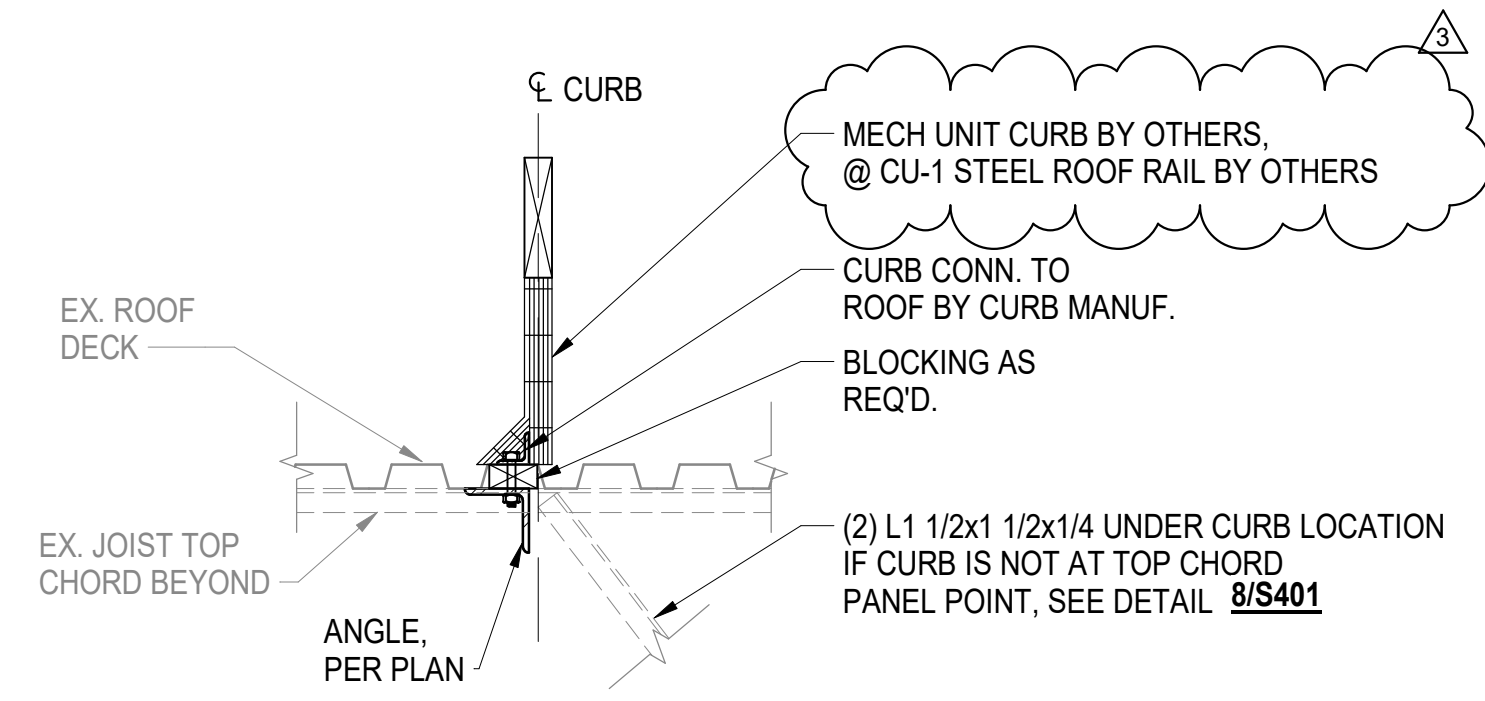
2 TYP ANGLE-TO-JOIST CONN.

S401 SCALE: 1" = 1'-0"



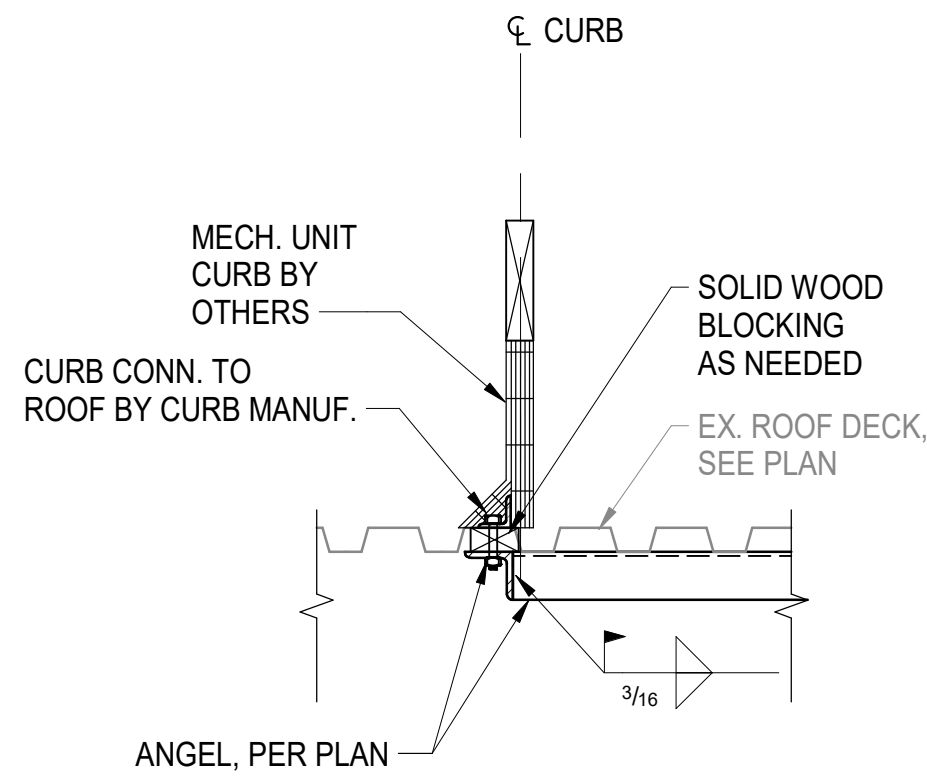
3 TYP. ANGLE-TO-ANGLE CONN.

S401 SCALE: 1" = 1'-0"



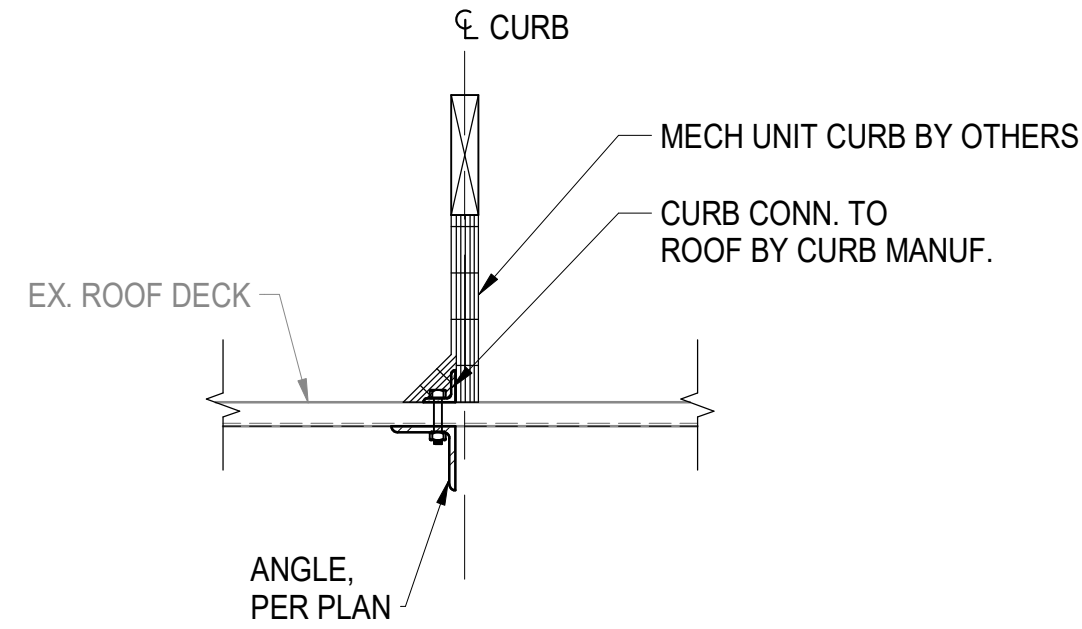
4 TYP. ROOF CURB @ MECH UNITS

S401 SCALE: 1" = 1'-0"



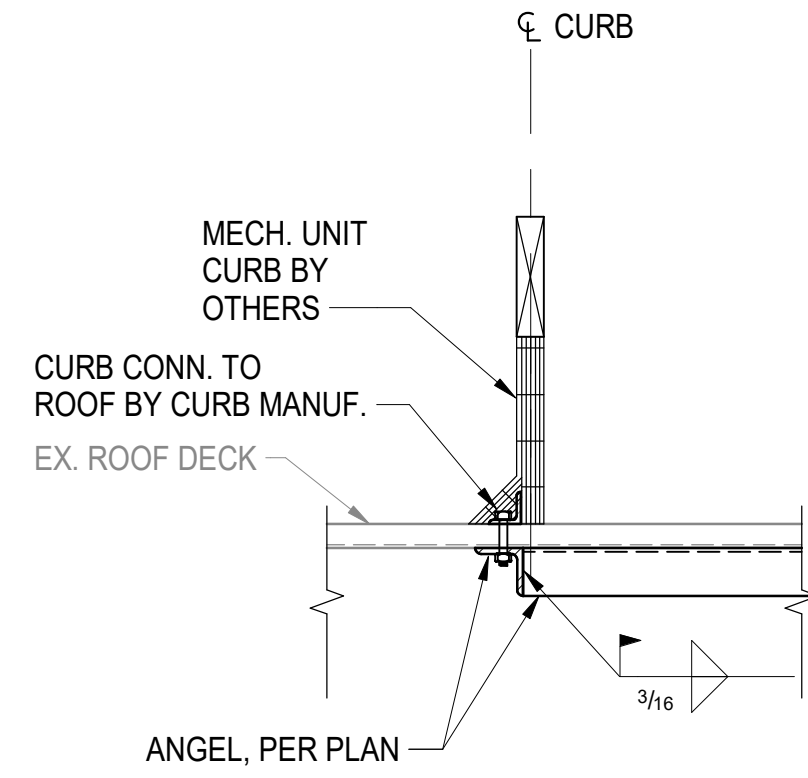
5 TYP. MECH CURB

S401 SCALE: 1" = 1'-0"



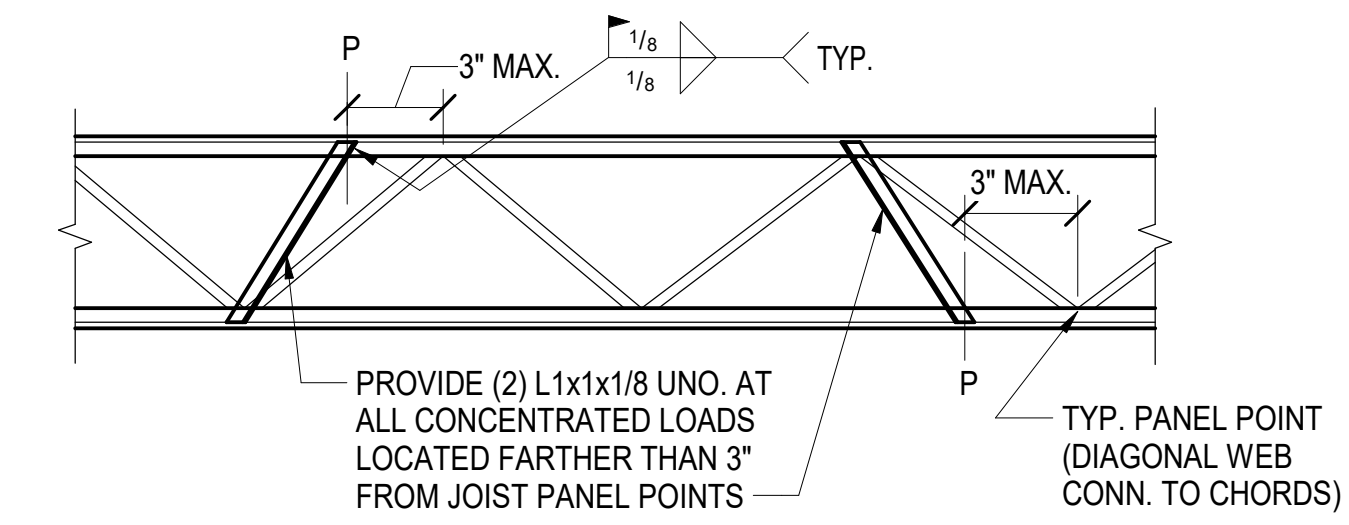
6 TYP. ROOF CURB @ MECH UNITS

S401 SCALE: 1" = 1'-0"



7 TYP. MECH CURB

S401 SCALE: 1" = 1'-0"

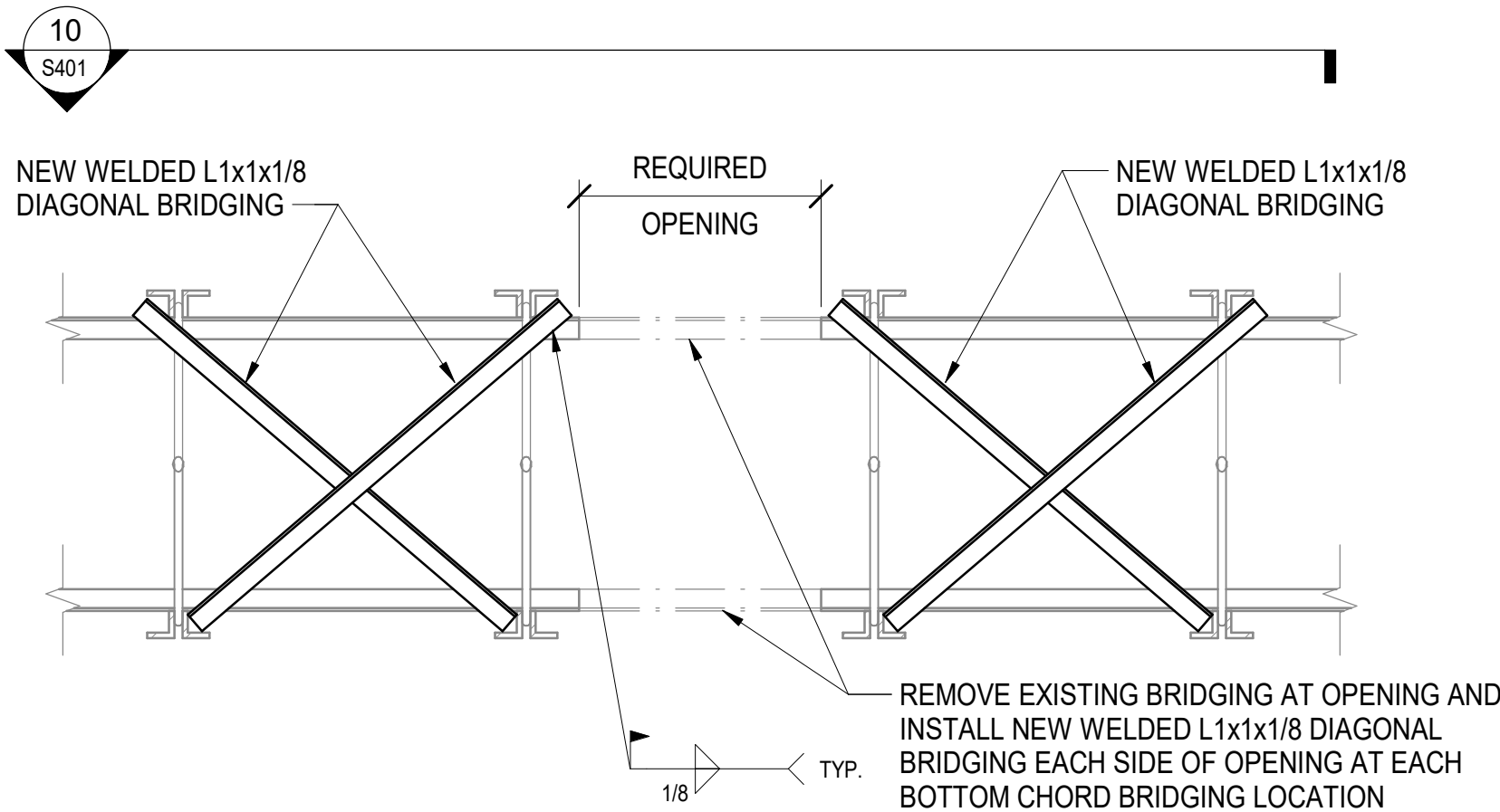


NOTES:

1. SEE MECH., ELEC. AND PLUMBING DWGS. FOR LOAD LOCATIONS AND HEIGHTS.
2. LOADS THAT ARE BETWEEN 100 LBS AND 300 LBS AND LOCATED MORE THAN 3" FROM A JOIST PANEL POINT SHALL BE REINFORCED WITH ANGLES AS SHOWN.
3. FOR LOADS GREATER THAN 300 LBS OCCURRING ANYWHERE ALONG THE LENGTH OF THE JOIST. THE STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED TO PROVIDE ADDITIONAL REINFORCEMENT.

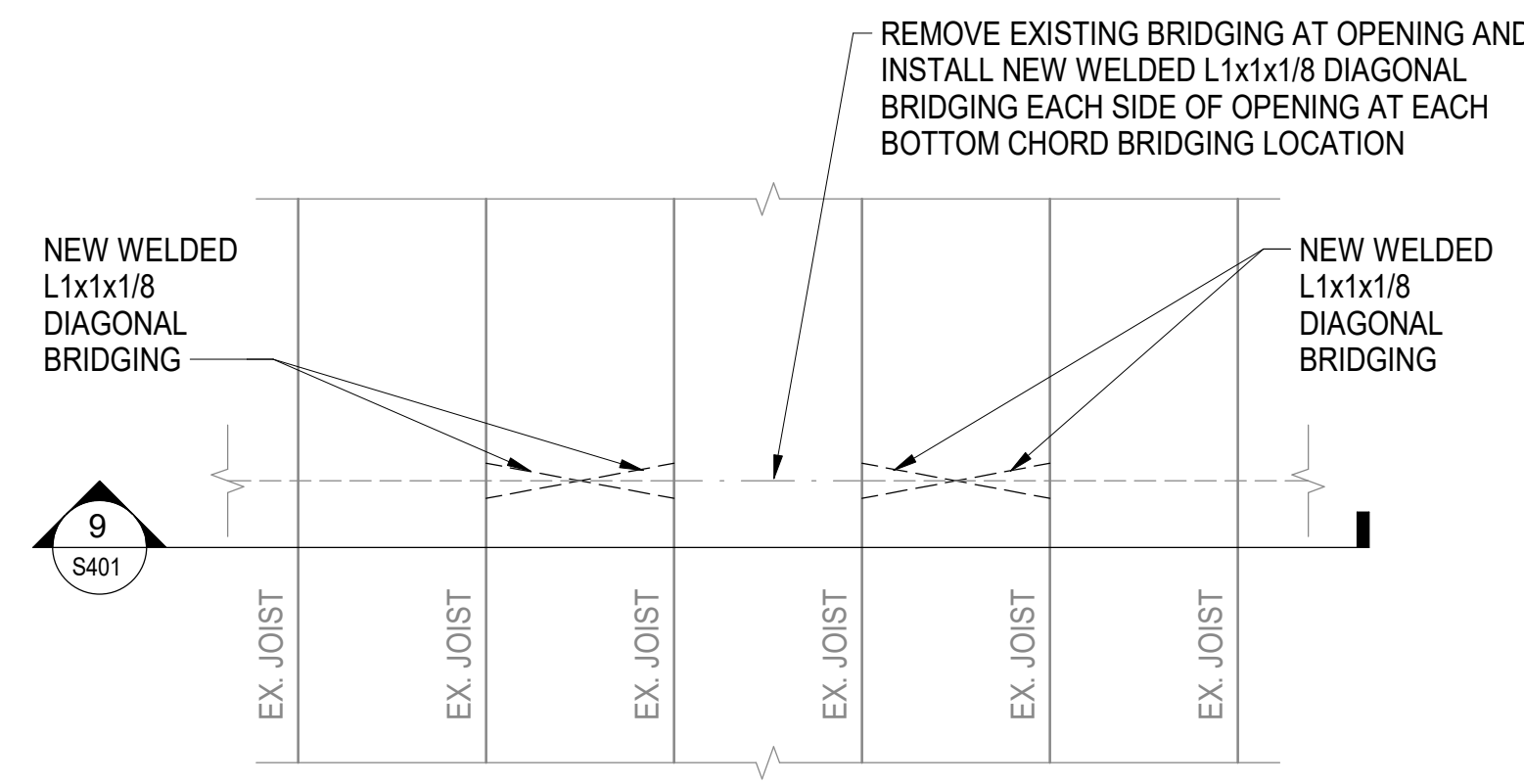
8 TYP. STL. JOIST REINF. @ LOADS BETWEEN PANEL POINTS DET.

S401 SCALE: 1" = 1'-0"



9 TYPICAL DETAIL FOR REMOVING EX. JOIST BRIDGING AT NEW OPENING

S401 SCALE: 1 1/2" = 1'-0"

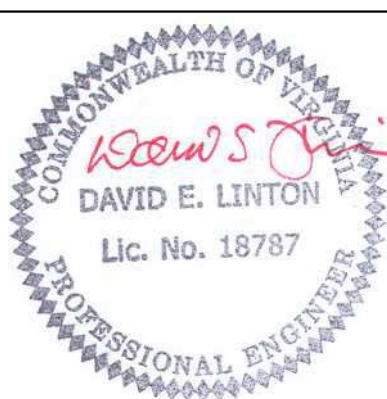


10 TYPICAL DETAIL FOR REMOVING EX. JOIST BRIDGING AT NEW OPENING

S401 SCALE: 3/4" = 1'-0"

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SEAL



KEY PLAN

SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
3. BID ADDENDUM 3	03.08.2024

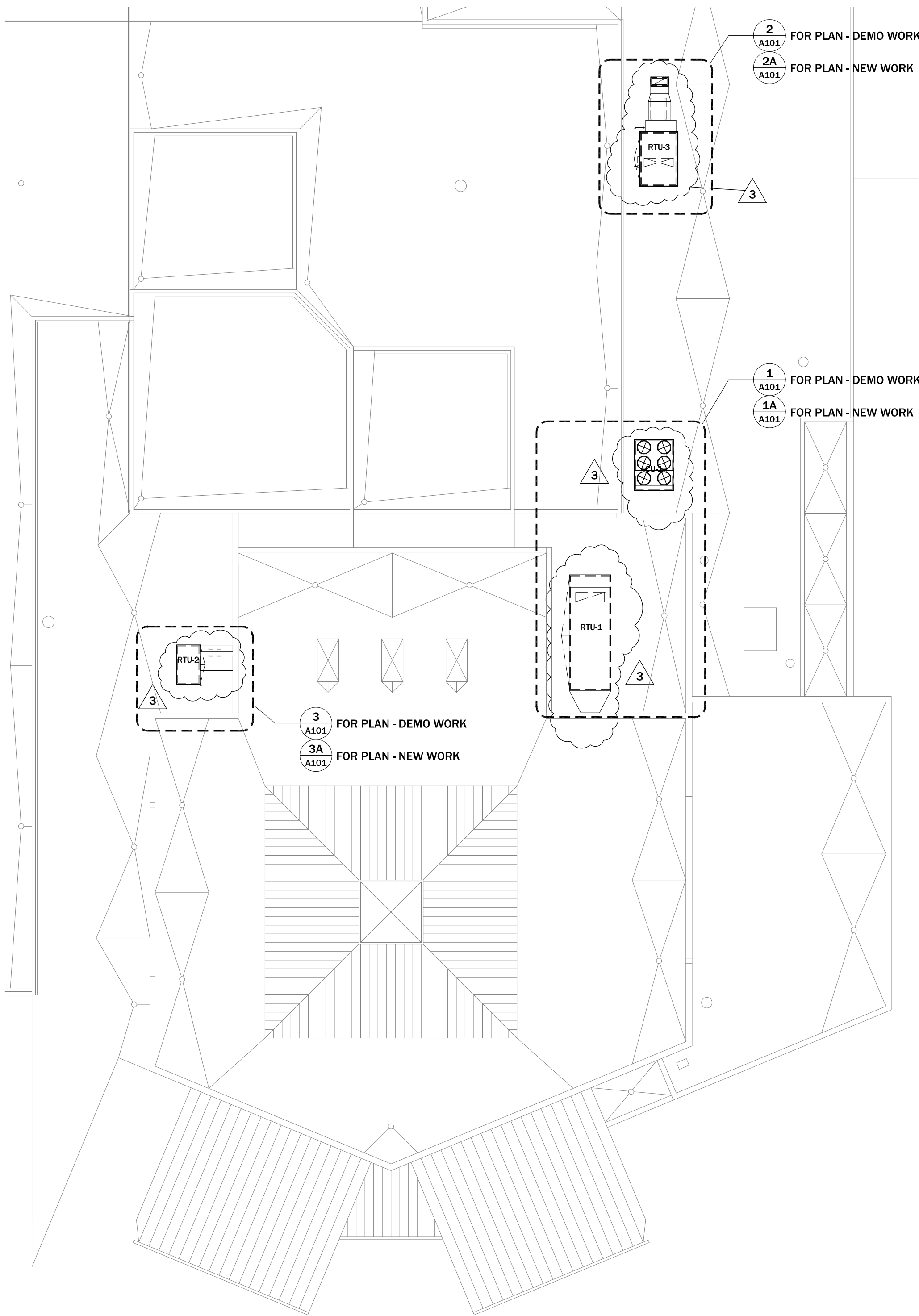
DRAWING PHASE

BID SET

DRAWING TITLE:
**TYPICAL FRAMING
SECTIONS AND
DETAILS**

DRAFTED BY: jh/ak CHECKED BY: DL
DATE: 03.08.2024

S401



1 ROOF KEY PLAN
SCALE: 1/16" = 1'-0"

DRAWING LIST - ARCHITECTURAL	
A-100	ROOF KEY PLAN, SPECIFICATION & DRAWING INDEX
A-101	ENLARGED ROOF PLAN - DEMO & NEW WORK
A-102	DETAILS

* THE SCOPE OF WORK DESCRIBED IN THIS DOCUMENT INCLUDING BUT NOT LIMITED TO EXTERIOR WALL, AND ROOF WORK SHALL BE COMPLETED BY OWNER-CONTRACTED VENDOR. THE CONTRACTOR RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, AND STRUCTURAL IS ASSOCIATED WITH THE REPLACEMENT OF THE ROOF TOP UNITS SHALL USE THIS DOCUMENT FOR COORDINATION PURPOSES. ADDITIONAL ARCHITECTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF ROOFTOP UNITS INCLUDING DRYWALL, PAINTING, AND CEILING REPLACEMENT (NOT DESCRIBED IN THIS DOCUMENT, REFER TO MEP DRAWINGS), SHALL BE COMPLETED BY OTHER OWNER-CONTRACTED VENDORS. OWNER'S VENDORS SHALL THOROUGHLY COORDINATE THEIR WORK WITH OTHER TRADES PRIOR TO, DURING AND AFTER ANY DEMOLITION OR NEW WORK

WPS DANIEL MORGAN MIDDLE SCHOOL TRU REPLACEMENT SPECIFICATIONS

01-GENERAL REQUIREMENTS

- 01.01 SPECIFICATION SECTIONS BELOW SHOW WHICH PRODUCTS AND SYSTEMS REQUIRE ACTION SUBMITTALS OF THE TYPES INDICATED BY INCLUDING ONE OR MORE OF THE FOLLOWING AFTER ITS TITLE: [PRODUCT DATA], [SHOP DRAWINGS], [SAMPLE], [PRODUCT SCHEDULE], [COORDINATION DRAWINGS], [WARRANTY], [DELEGATED DESIGN], [INSTALLER CERTIFICATION].
- 01.02 SPECIFICATION SECTIONS BELOW SHOW WHICH PRODUCTS AND SYSTEMS REQUIRE MOCKUPS BY INCLUDING [MOCKUP] AFTER THE SECTION TITLE.
- 01.03 ADDITIONAL DEFINITIONS FOR TERMS USED IN THESE DOCUMENTS:
- "PATCH": INFILL INDICATED AREA(S) WITH MATERIALS TO MATCH ADJACENT CONSTRUCTION INCLUDING THEIR SEQUENCING, TEXTURES, SUBSTRATES, SUPPORT, FINISH, AND COLORS SO THAT THE FINAL, DRY "PATCH" IS FLUSH WITH AND NOT DISCERNABLE FROM ADJACENT SURFACES WHEN VIEWED 10 FEET AWAY UNDER THE PROJECT'S FINAL LIGHTING CONDITIONS.
 - "MATCH": PROVIDE AND INSTALL INDICATED ITEM(S) OR ASSEMBLY(IES) THAT, 1) ARE NEW, 2) MEET CURRENT CODE REQUIREMENTS AND 3) UNLESS OTHERWISE NOTED, MATCH REPLACED ITEM(S) OR ASSEMBLY(IES) IN PERFORMANCE, SIZE, QUALITY, MATERIAL, COLOR, AND FASTENING - ALL SUBMITTED FOR ARCHITECT'S APPROVAL PRIOR TO MATERIAL PURCHASE OR INSTALLATION.
 - "BEST PRACTICES": CONTRACTOR'S OBLIGATION TO FOLLOW MANUFACTURER'S BEST PRACTICES ALSO APPLIES TO REFERENCED MANUFACTURER'S OR REFERENCED STANDARDS' INSTALLATION INSTRUCTIONS WHERE PHRASES LIKE "RECOMMENDED PRACTICES", "SHOULD", "HIGHEST QUALITY" OR "SUGGESTED" ARE USED.
- 01.04 CUTTING AND PATCHING OF ROOFING
- SCOPE: CUTTING AND PATCHING OF EXISTING TPO ROOFING AS PER PROJECT REQUIREMENTS.
 - STANDARDS:
 - ALL WORK MUST COMPLY WITH MANUFACTURER INSTRUCTIONS AND SPECIFICATIONS FOR TPO ROOFING MATERIALS TO MAINTAIN EXISTING ROOF WARRANTY.
 - ENSURE ADHERENCE TO LOCAL BUILDING CODES AND REGULATIONS
 - ONLY CURRENTLY LICENSED ELEVATE CONTRACTORS WILL BE ALLOWED TO MAKE ALTERATIONS OF A WARRANTED ROOF SYSTEM
 - PRODUCTS:
 - TPO MEMBRANE: USE MATERIALS COMPATIBLE WITH THE EXISTING ROOFING SYSTEM.
 - TPO SEAM PRIMER AND CLEANER: ADHERE TO MANUFACTURER RECOMMENDATIONS
 - TPO FLASHING AND PATCHES: MATCH EXISTING MEMBRANE THICKNESS AND COLOR.
 - HOT AIR WELDING EQUIPMENT: MAINTAIN EQUIPMENT IN GOOD WORKING ORDER.
 - INSTALLATION:
 - PREPARATION: IDENTIFY AND MARK AREAS FOR CUTTING AND PATCHING; CLEAN THE WORK AREA TO ENSURE PROPER ADHESION OF PATCHES
 - CUTTING: UTILIZE MANUFACTURER-APPROVED CUTTING METHODS FOR TPO ROOFING; ENSURE CLEAN AND STRAIGHT CUTS TO FACILITATE SEAMLESS PATCHING.
 - PATCHING: APPLY TPO SEAM PRIMER TO PREPARED SURFACES; WELD PATCHES USING HOT AIR WELDING EQUIPMENT IN ACCORDANCE WITH MANUFACTURER GUIDELINES; INSPECT SEAMS FOR PROPER BONDING AND WATERTIGHT INTEGRITY.
 - INSPECTION: CONDUCT A THOROUGH INSPECTION OF THE PATCHED AREAS; VERIFY THAT THE PATCHES MATCH THE EXISTING ROOFING SYSTEM IN APPEARANCE AND FUNCTIONALITY
 - CLEANUP: REMOVE DEBRIS AND SURPLUS MATERIALS FROM THE WORK AREA; DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL ENVIRONMENTAL REGULATIONS

02-EXISTING CONDITIONS

- 02.01 SELECTIVE DEMOLITION
- BEFORE WORK BEGINS, PHOTOGRAPH ALL EXTERIOR PROJECT SURFACES AND PROVIDE A COPY TO OWNER.
 - UTILITIES IN PROJECT AREA - BEFORE WORK BEGINS:
 - IN ADDITION TO THE FOLLOWING, SEE MEP/F DRAWINGS AND SPECIFICATIONS.
 - MAINTAIN SERVICES/SYSTEMS INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE.
 - LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
 - PROTECT ADJACENT SPACES AND MATERIALS FROM DUST, DEBRIS, AND DAMAGE.
 - TEMPORARY SHORING: PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
 - NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADDJINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS TO REMAIN TO PREVENT WATER AND PEST INTRUSIONS.
 - ADDITIONAL DEFINITIONS FOR TERMS USED IN THESE DOCUMENTS:
 - "REMOVE": DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE THEM OFF-SITE UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.
 - "REMOVE AND REINSTALL": DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE FOR REUSE, AND REINSTALL WHERE INDICATED.
 - "REMOVE AND SALVAGE": DETACH ITEMS FROM EXISTING CONSTRUCTION AND PLACE IN STORAGE IN LOCATION ON PROJECT SITE AS IDENTIFIED BY OWNER.
 - "RETAIN": EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE PERMANENTLY REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.

06-WOOD, PLASTICS AND COMPOSITES

- 06.01 ROUGH CARPENTRY [PRODUCT DATA]
- SCOPE: AS INDICATED ON DRAWINGS
 - STANDARD(S) OF CARE: IN ADDITION TO WHAT MAY BE REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS, THE MOST RIGOROUS OR HIGHEST QUALITY REQUIREMENTS OR RECOMMENDATIONS FROM THE LATEST EDITIONS OF THE FOLLOWING:
 - GENERAL:
 - AMERICAN WOOD PROTECTION ASSOCIATION (AWP), BOOK OF STANDARDS
 - AMERICAN WOOD COUNCIL (AWC), NATIONAL DESIGN STANDARDS FOR WOOD CONSTRUCTION
 - NATIONAL FIRE PROTECTION INSTITUTE (NFPA)
 - PRODUCTS:
 - 2X WOOD BLOCKING
 - 5/8" PLYWOOD
 - ALL NON-EXPOSED WOOD, PLYWOOD, OR WOOD USED FOR BLOCKING, SHIMMING, ETC. IS TO BE FIRE RETARDANT TREATED
 - ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE TO BE PRESSURE TREATED
 - INSTALLATION:
 - ALL MISCELLANEOUS WOOD CONNECTIONS SHALL BE FASTENED PER 2018 IBC, TABLE 2304.10.1 "FASTENING SCHEDULE"
 - ALL WOOD BLOCKING, NAILERS, ETC. ATTACHED TO STEEL OR CONCRETE SHALL BE FASTENED WITH POWDER ACTUATED FASTENERS OR 3/8" DIAM. BOLTS, UON. FASTENERS SHALL BE SPACED AT 24" OC MAX AND STAGGERED. FASTENERS SHALL HAVE A MINIMUM CAPACITY OF 100 POUNDS IN SHEAR AND PULLOUT, UON

07-THERMAL AND MOISTURE PROTECTION

- 07.01 JOINT SEALANTS [PRODUCT DATA] [SAMPLE] [WARRANTY] [MOCK UP]
- SCOPE: WHERE SHOWN ON DRAWINGS OR WHERE RECOMMENDED/REQUIRED BY PRODUCT MANUFACTURERS AND A SPECIFIC SELECTION IS NOT OTHERWISE CALLED FOR.
 - BASIS OF DESIGN : TREMCO HTTP://WWW.TREMCOSEALANTS.COM/ SEE DWGS FOR DESIGN INTENT



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RTU REPLACEMENT



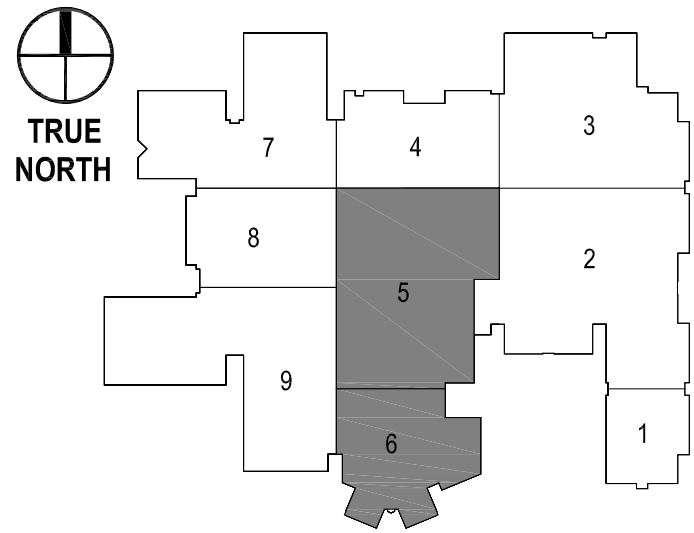
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SEAL

KEY PLAN



SUBMISSION / REVISION	DATE
WORKING DRAWINGS	02.09.2024
3 BID ADDENDUM 3	03.08.2024

DRAWING PHASE

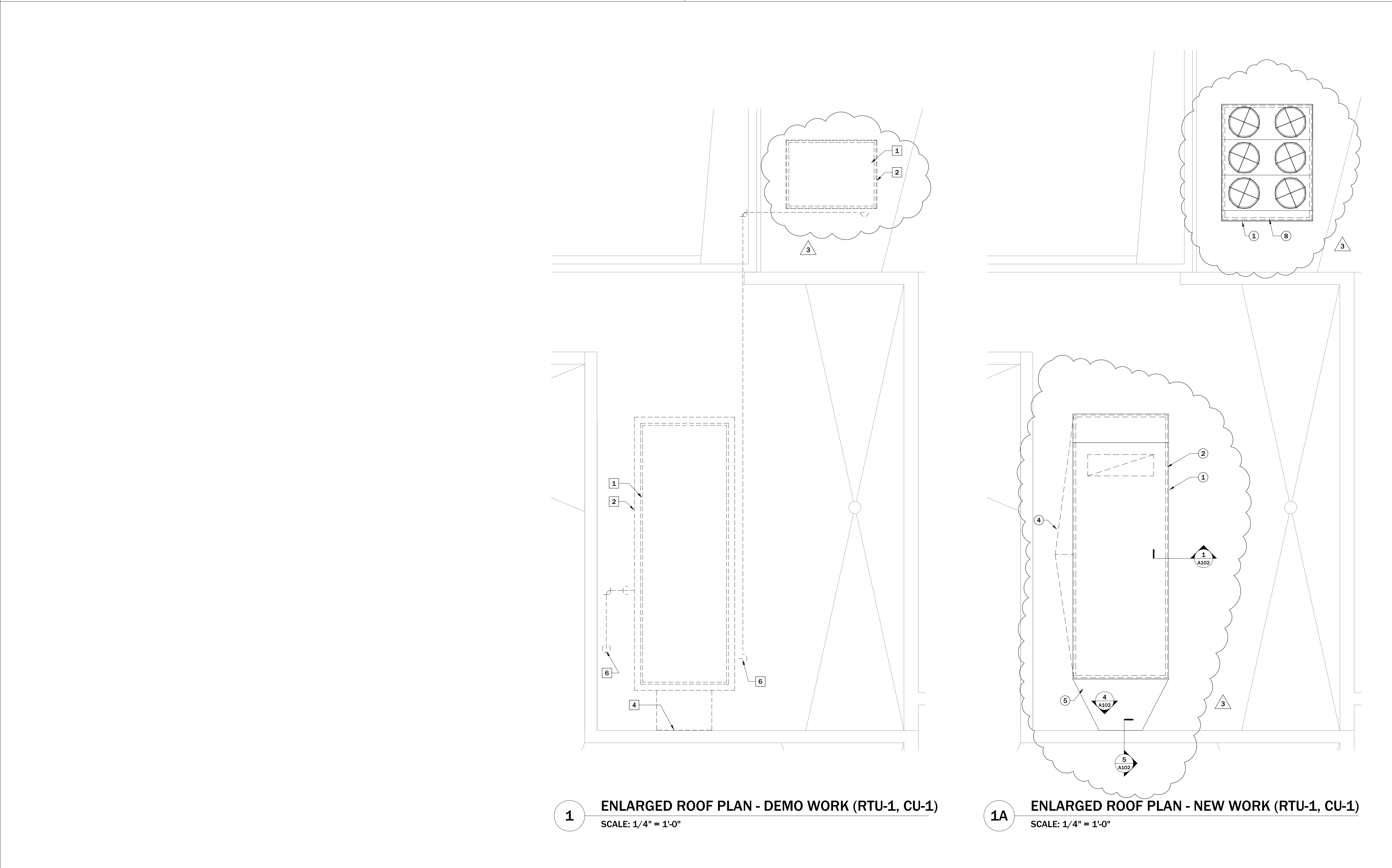
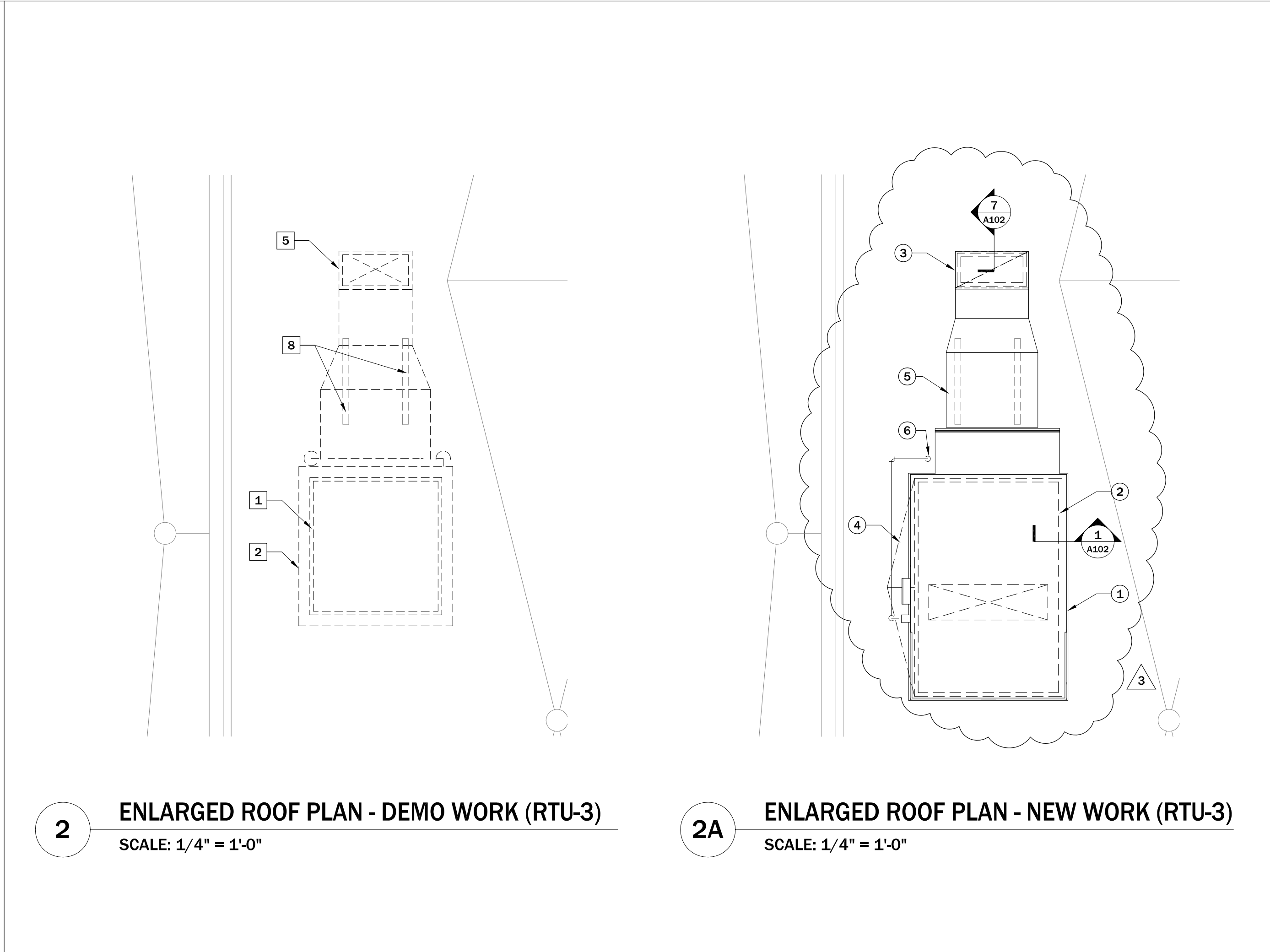
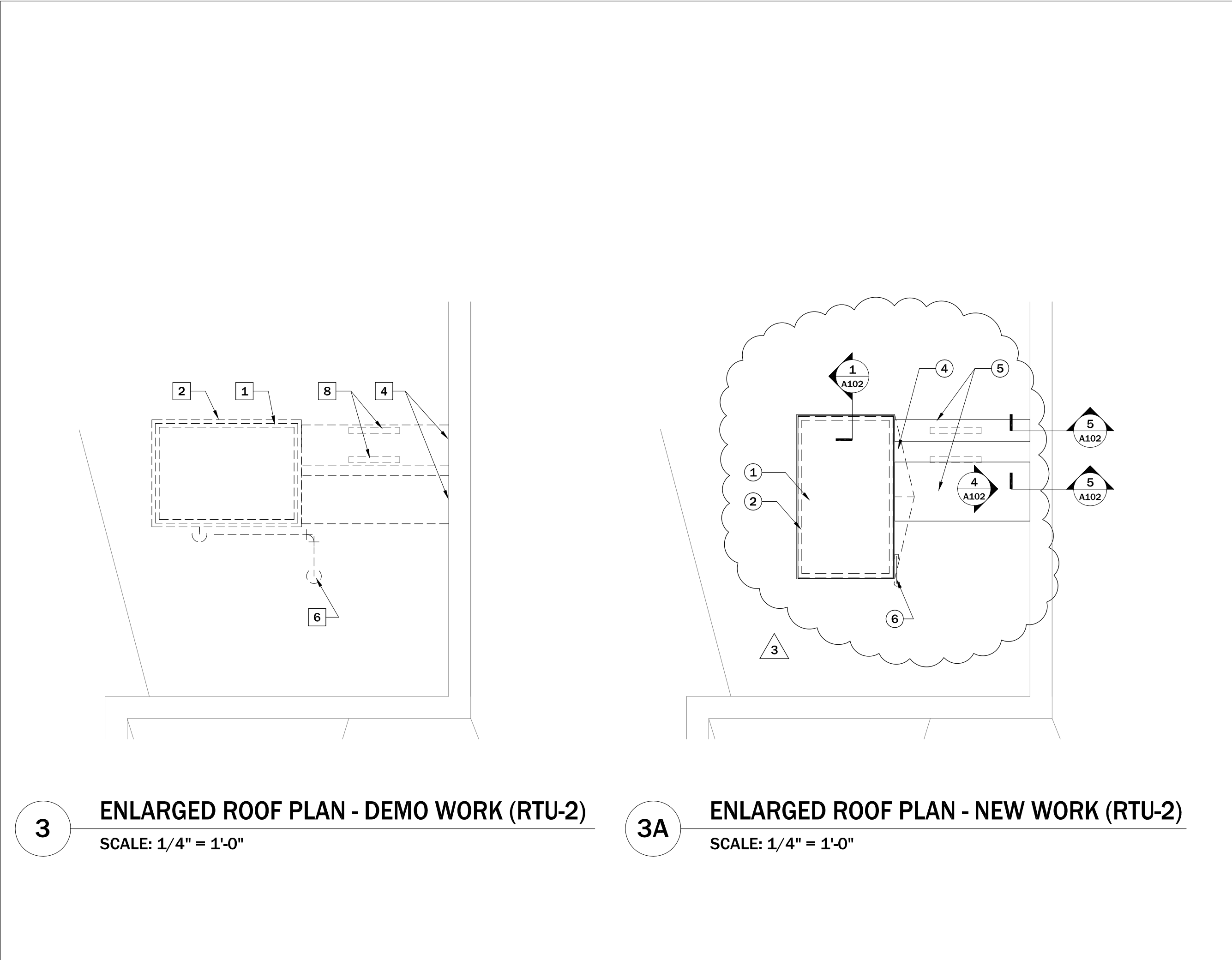
BID SET

DRAWING TITLE:

ROOF KEY PLAN,
SPECIFICATION
& DRAWING INDEX

DRAFTED BY: CH CHECKED BY: KR
DATE: 03.08.2024

A-100



NOTES FOR DEMO WORK

- 1 REMOVE EXISTING MECH. CURB INCLUDING FLASHING AND FASTENERS
- 2 REMOVE EXISTING MECH UNIT INCLUDING CURB ADAPTERS, SEE MEP DWG.
- 3 REMOVE THE EXISTING SUPPORTING RAIL FOR THE MECH. DUCT
- 4 REMOVE THE EXISTING STL. ANGLE, FLASHING & CAULKING AROUND EXISTING OPENING IN THE BRICK VENEER WALL FOR THE DUCT
- 5 REMOVE EXISTING CURB FOR DUCT PENETRATION
- 6 REMOVE FASTENERS AND FLASHING DURING DEMOLITION OF EXISTING PIPE
- 7 EXISTING CURB FOR CU-1 TO REMAIN FOR REUSE
- 8 EXISTING SUPPORTING RAIL FOR DUCT TO REMAIN FOR REUSE

NOTES FOR NEW WORK

- 1 MECHANICAL UNIT, SEE MEP DWG
- 2 PREFAB CURB FOR MECHANICAL UNIT
- 3 PREFAB CURB FOR DUCT PENETRATION ON THE ROOF
- 4 CRICKET FLASHING AT ROOF BELOW, MATCH EXISTING ROOFING MEMBRANE, SEE DTL B/A102
- 5 MECHANICAL DUCT, SEE MEP DWG
- 6 TYP. PIPE PENETRATION, SEE DETAIL 2/A102, 3/A102
- 7 BEFORE REUSE OF EXISTING CURB, THOROUGHLY INSPECT FOR ANY SIGNS OF DAMAGE, WEAR, OR CORROSION. IF ANY IS FOUND, REPORT TO OWNER AND RECEIVE HIS INSTRUCTIONS BEFORE FURTHER ACTION. APPLY APPROPRIATE SEALING AND WATERPROOFING MEASURES TO PREVENT WATER INFILTRATION
- 8 PREFAB RAIL FOR CONDENSING UNIT

GRAPHIC LEGEND (FOR OTHERS, SEE COVER SHEET)

— B — BOUNDING LINE

—— (E) CONSTRUCTION TO REMAIN

----- (E) CONSTRUCTION TO BE DEMOLISHED

GRAPHIC LEGEND (FOR OTHERS, SEE COVER SHEET)

— B — BOUNDING LINE

—— (E) CONSTRUCTION TO REMAIN

===== NEW CONSTRUCTION

GENERAL NOTES

ALL DIMENSIONS ARE TO FINISHED FACE

VERIFY ALL DIMENSIONS IN THE FIELD

COORDINATE ALL DEMOLITION WORK WITH PROPOSED NEW WORK & MEP

SEE MEP FOR BALANCE OF DEMO AND ITEMS TO REMAIN

THE SCOPE OF WORK DESCRIBED IN THIS DOCUMENT INCLUDING BUT NOT LIMITED TO EXTERIOR WALL, AND ROOF WORK SHALL BE COMPLETED BY OWNER-CONTRACTED VENDOR. THE CONTRACTOR RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF THE ROOF TOP UNITS SHALL USE THIS DOCUMENT FOR COORDINATION PURPOSES. ADDITIONAL ARCHITECTURAL WORK ASSOCIATED WITH THE REPLACEMENT OF ROOFTOP UNITS INCLUDING DRYWALL, PAINTING, AND CEILING REPLACEMENT (NOT DESCRIBED IN THIS DOCUMENT, REFER TO MEP DRAWINGS), SHALL BE COMPLETED BY OTHER OWNER-CONTRACTED VENDORS. OWNER'S VENDORS SHALL THOROUGHLY COORDINATE THEIR WORK WITH OTHER TRADES PRIOR TO, DURING AND AFTER ANY DEMOLITION OR NEW WORK

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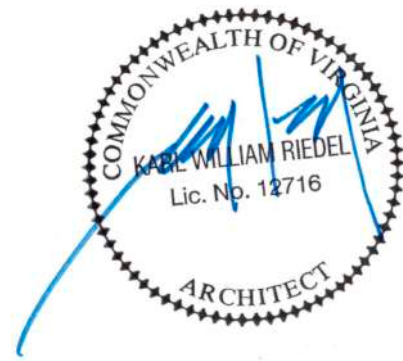


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BID SET

DRAWING TITLE:

ENLARGED ROOF PLAN -
DEMO WORK &
NEW WORK

DRAFTED BY: CH
DATE: 03.08.2024
CHECKED BY: KR

A-101