

SHASTA REGIONAL TRANSPORTATION AGENCY



1 2 5 5 E A S T S T R E E T - R E D D I N G , C A 9 6 0 0 1

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NM&R

NICHOLS
MELBURG
ROSSETTO
ARCHITECTS + ENGINEERS

300 KNOLLCREST DRIVE
REDDING, CA 96002
(530) 222-3300 (530) 222-3538 FAX
<http://www.nmrdesign.com>

CONSULTANTS

LICENSE STAMPS



PROJECT NAME

HVAC
IMPROVEMENTS

FOR

SHASTA REGIONAL
TRANSPORTATION
AGENCY

1255 EAST STREET
REDDING, CA 96001

SHEET TITLE

TITLE SHEET

DRAWING STATUS

DRAWINGS
FOR
CONSTRUCTION

REVISIONS		
Sym.	Description	Date

Drawn By	KP
Date Issued	12/20/2023
Scale	AS NOTED
Project No.	23-6536
SHEET No.	
A001	

architect:
NICHOLS, MELBURG, & ROSSETTO
300 Knollcrest Drive
Redding, CA 96002
(530) 222-3300
(530) 222-3538 Fax
carter@nmrdesign.com

mechanical & electrical:
FRONTIER CONSULTING ENGINEERING
1896 Vale Drive
Redding, CA 96002
(530) 232-6160
ben@frontierce.com

CODES / STANDARD

APPLICABLE CODES:

ALL WORK PERFORMED & PRODUCTS FURNISHED SHALL COMPLY AS APPLICABLE WITH THE LATEST REGULATIONS OF:

- CITY OF REDDING MUNICIPAL CODE
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR
- 2022 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 CCR
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 CCR
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR (PARTIAL LIST - SEE CBC CHAPTER 35 & CFC CHAPTER 45)

PROJECT DATA

1. BUILDING DATA:	
EXISTING FIRST FLOOR:	4255 SQ. FT.
EXISTING SECOND FLOOR:	5708 SQ. FT.
TOTAL CONDITIONED AREA:	9963 SQ. FT.
2. CONSTRUCTION CLASSIFICATION:	TYPE V - B
3. OCCUPANCY GROUP:	B
4. ASSESSORS PARCEL NUMBER:	101-430-004
5. GENERAL PLAN ZONING:	GO-BH
6. SPRINKLER SYSTEM:	YES ___ NO ___

CONTRACTOR NOTICE

1. THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT (CONSTRUCTION DOCUMENTS) INCLUDE THE DRAWINGS AND THE SPECIFICATIONS. BOTH ARE INTEGRAL COMPONENTS OF THE CONTRACT FOR CONSTRUCTION BETWEEN BUILDING OWNER (OWNER) AND THE GENERAL CONTRACTOR (CONTRACTOR).

2. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS TO DESCRIBE A COMPLETE, FUNCTIONAL, CODE-COMPLIANT PROJECT TO BE CONSTRUCTED. THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY PORTION SHALL BE AS BINDING AS IF REQUIRED BY ALL WORK NOT SPECIFICALLY COVERED IN THE CONSTRUCTION DOCUMENTS SHALL, NOTWITHSTANDING, BE REQUIRED, IF IT IS CONSISTENT THEREWITH OR IS REASONABLY INFERRABLE THEREFROM AS BEING NECESSARY OR APPROPRIATE TO PRODUCE THE INTENDED RESULTS.

3. ANYTHING MENTIONED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS BUT NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH.

4. THE CONSTRUCTION DOCUMENTS ARE INTENDED TO BE USED TOGETHER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ACCESS TO THE COMPLETE BID SET CONSTRUCTION DOCUMENTS PACKAGE, AND ANY ADDENDA THERETO, TO ANY AND ALL NECESSARY SUB-CONTRACTORS, MATERIAL OR EQUIPMENT SUPPLIERS, ETC., AS NECESSARY TO PROVIDE A COMPLETE, RESPONSIVE BID. THE USE OF ANY PORTION OF THE CONSTRUCTION DOCUMENTS IN THE ABSENCE OF THE COMPLETE PACKAGE SHALL BE AT THE SOLE RISK OF THE USER.

5. THE CONSTRUCTION DOCUMENTS APPLY IN THEIR ENTIRETY TO ALL CONTRACTOR FORCES. THE ARCHITECT AND ITS SUB-CONSULTANTS HAVE SHOWN VARIOUS PORTIONS OF THE WORK ON SEPARATE SHEETS AND/OR CLASSIFICATIONS OF DRAWINGS, AND HAVE SPECIFIED VARIOUS PORTIONS OF THE WORK IN SEPARATE SECTIONS OF THE SPECIFICATIONS. SUCH SEPARATIONS SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITS ARE WHOLLY BETWEEN THE CONTRACTOR AND ITS SUB-CONTRACTORS. THE COMPLETED PROJECT SHALL INCLUDE ALL WORK DEPICTED IN THE CONSTRUCTION DOCUMENTS. THE OWNER WILL CONSIDER THE CONTRACTOR AS THE SOLE PROVIDER OF ALL WORK NECESSARY TO COMPLETE THE PROJECT, TO THE EXTENT SUCH WORK IS REQUIRED BY OR REASONABLY INFERRABLE FROM THE CONSTRUCTION DOCUMENTS.

6. SHOULD THE CONTRACTOR DISCOVER A CONFLICT, ERROR, OR DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, HE/SHE SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING, BEFORE PROCEEDING WITH WORK AFFECTED THEREBY. PROCEEDING WITH ANY SUCH WORK WITHOUT FIRST GIVING SUCH TIMELY NOTICE SHALL CONSTITUTE A WAIVER BY THE CONTRACTOR OF ANY RELATED CLAIMS FOR ADDITIONAL TIME OR MONEY.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE ADOPTED ORDINANCES AND BUILDING AND FIRE PREVENTION CODES. REFER TO THESE DRAWINGS FOR A LIST OF KNOWN APPLICABLE CODES. ANY DISCREPANCIES BETWEEN THESE CODES AND THE CONSTRUCTION DOCUMENTS SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONSTRUCTION DOCUMENTS SHALL NOT BE CONSTRUED AS TO PERMIT WORK THAT DOES COMPLY WITH THESE CODES.

2. DIMENSIONS SHALL TAKE PRECEDENCE OVER ITEMS AS GRAPHICALLY DEPICTED IN THESE DRAWINGS. DIMENSIONS ARE TO FACE OF STUDS OR SLAB, AND TO CENTERLINES OF STEEL MEMBERS, UNLESS NOTED OTHERWISE ON DRAWINGS. DO NOT SCALE DRAWINGS. DIMENSIONS NOTED AS "CLEAR" (CLR) ARE TAKEN TO THE FACE OF FINISH MATERIALS. VERIFY DIMENSIONS OF PREFABRICATED AND MANUFACTURED ITEMS AND COORDINATE ROUGH OPENINGS ACCORDINGLY.

3. WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK SHOWN ON DRAWINGS. IF SIMILAR WORK IS NOT DETAILED IN DRAWINGS, WORK SHALL FOLLOW INDUSTRY STANDARDS AND MANUFACTURERS' RECOMMENDATIONS AS ACCEPTABLE TO THE ARCHITECT.

4. ALL CONSTRUCTION SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURERS' LATEST PUBLISHED SPECIFICATIONS AND INSTRUCTIONS. ALL DISCREPANCIES BETWEEN THESE SPECIFICATIONS AND INSTRUCTIONS AND THE CONTRACT DOCUMENTS PREPARED BY THE ARCHITECT AND ITS CONSULTANTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO COMMENCING WORK.

5. VERIFY ALL DIMENSIONS, EXISTING UTILITY LOCATIONS, AND EXISTING CONDITIONS AFFECTED BY THE CONTRACT PRIOR TO STARTING CONSTRUCTION. ANY DISCREPANCIES OR INCONSISTENCIES FOUND SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE WORK PROCEEDS.

6. ALL SUBCONTRACTORS ARE REQUIRED TO BE LICENSED WITH THE CITY BUILDING DEPARTMENT.

7. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND ALL OTHER PERSONS DURING CONSTRUCTION.

SITE PLAN

VICINITY MAP

DRAWING INDEX

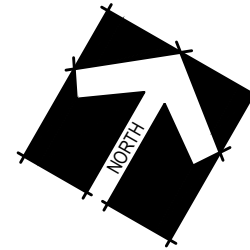
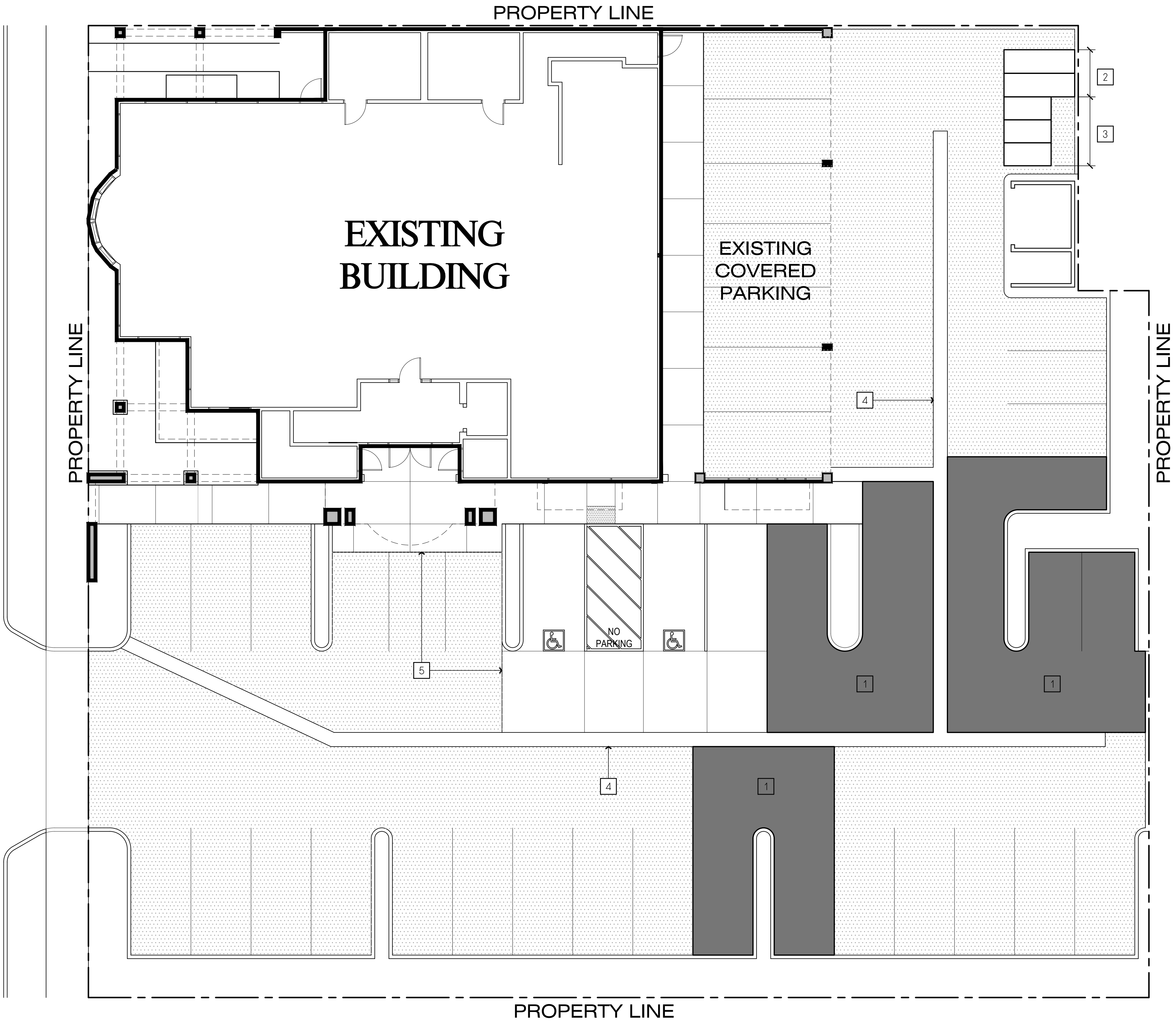
DWG. #	DESCRIPTION
ARCHITECTURAL	
A001	TITLE SHEET
A020	SITE PLAN
A201	FIRST FLOOR PLAN
A202	SECOND FLOOR PLAN
A241	ROOF PLAN
A260	FIRST FLOOR REFLECTED CEILING PLAN
A261	SECOND FLOOR REFLECTED CEILING PLAN
MECHANICAL	
M100	MECHANICAL LEGENDS AND SCHEDULES
M110	MECHANICAL FIRST FLOOR DEMOLITION PLAN
M111	MECHANICAL SECOND FLOOR DEMOLITION PLAN
M210	MECHANICAL FIRST FLOOR PLAN
M211	MECHANICAL SECOND FLOOR PLAN
M240	MECHANICAL ROOF PLAN
M300	MECHANICAL DETAILS
M400	TITLE 24 COMPLIANCE FORMS
ELECTRICAL	
E100	ELECTRICAL LEGEND AND SCHEDULES
E200	ELECTRICAL PLANS

PROJECT NARRATIVE

THE PROJECT CONSISTS OF TWO NEW ROOF TOP HVAC UNITS TO SERVE THE FIRST FLOOR TENANT.

Logo Name: KorpP
File Name: 1255EastStreetHVAC.dwg
Print Date: December 20, 2023 - 7:45 am
File Path: C:\Users\KorpP\OneDrive\Documents\1255EastStreetHVAC.dwg
Plot Date: December 20, 2023 - 7:45 am
Plot Path: C:\Users\KorpP\OneDrive\Documents\1255EastStreetHVAC.dwg

EAST STREET



OVERALL SITE PLAN

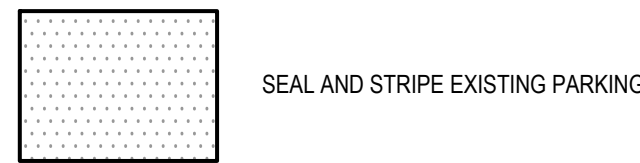
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SITE PLAN SHEET NOTES

ALL ITEMS ARE NEW, UNLESS NOTED AS (E) OR EXISTING

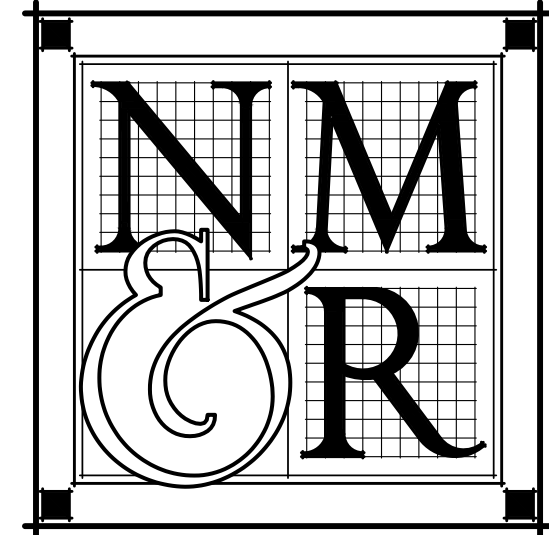
- 1 REMOVE AND REPLACE (E) PAVING
- 2 (2) 3'-4" x 10'-0" BIKE LOCKERS
- 3 (3) 3'-3" x 6'-8" BIKE LOCKERS
- 4 EXISTING CONCRETE SWALE
- 5 EXISTING CONCRETE TO REMAIN

LEGEND



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NICHOLS
MELBURG
ROSSETTO
ARCHITECTS + ENGINEERS

300 KNOLLCREST DRIVE
REDDING, CA 96002
(530) 222-3300 (530) 222-3538 FAX
<http://www.nmrdesign.com>

CONSULTANTS

LICENSE STAMPS



PROJECT NAME

HVAC
IMPROVEMENTS

FOR

SHASTA REGIONAL
TRANSPORTATION
AGENCY

1256 EAST STREET
REDDING, CA 96001

SHEET TITLE

SITE PLAN

DRAWING STATUS

DRAWINGS
FOR
CONSTRUCTION

REVISIONS

Sym.	Description	Date

Drawn By	KP
Date Issued	12/20/2023
Scale	1/8" = 1'-0"
Project No.	23-6536

SHEET No.

A020

1. EXISTING FLOOR PLAN TO REMAIN AS IS.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION WITH THE BUILDING TENANTS. OFFICE FUNCTIONS TO REMAIN IN USE DURING CONSTRUCTION.
3. CONTRACTOR TO COORDINATE ANY SHUT DOWN OF MECHANICAL, ELECTRICAL OR PLUMBING SERVICES WITH THE SRTA PROJECT REPRESENTATIVE.



NICHOLS
MELBURG
ROSSETTO
ARCHITECTS + ENGINEERS

300 KNOLLCREST DRIVE
REDDING, CA 96002
(530) 222-3300 (530) 222-3538 FAX
<http://www.nmrdesig.com>

ENSE STAMPS



DR

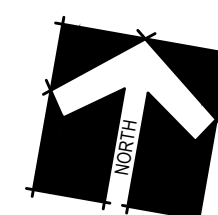
255 EAST STREET
REDDING, CA 96001

FIRST FLOOR PLAN

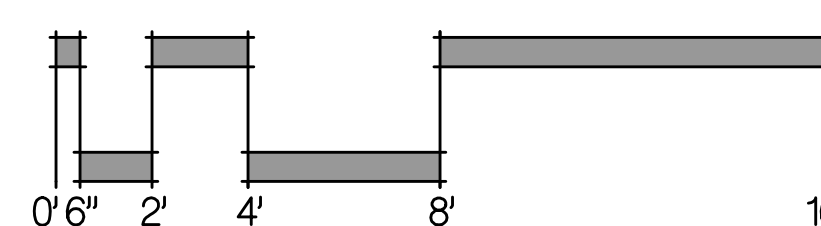
REVISIONS

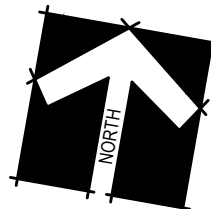
Drawn By	KP
Date Issued	12/20/2023
Scale	1/4" = 1'-0"
Project No.	23-6536

A201



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





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



2 INSTALL NEW 3'-0" X 7'-0" SOLID CORE, PLASTIC LAMINATE DOOR WITH HALF-LITE.

EXISTING

6"

6"

8"

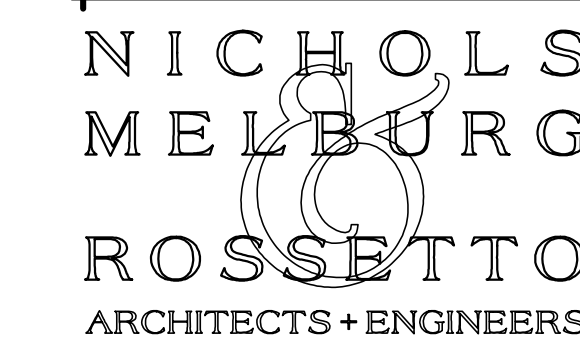
4'-0"

1/4" TEMPERED GLASS

D

HALF LITE

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LICENSE STAMPS



PROJECT NAME

HVAC IMPROVEMENTS

FOR

SHASTA REGIONAL
TRANSPORTATION
AGENCY

1255 EAST STREET
REDDING, CA 98001

SHEET TITLE

SECOND FLOOR PLAN

DRAWING STATUS

DRAWINGS
FOR
CONSTRUCTION

REVISIONS

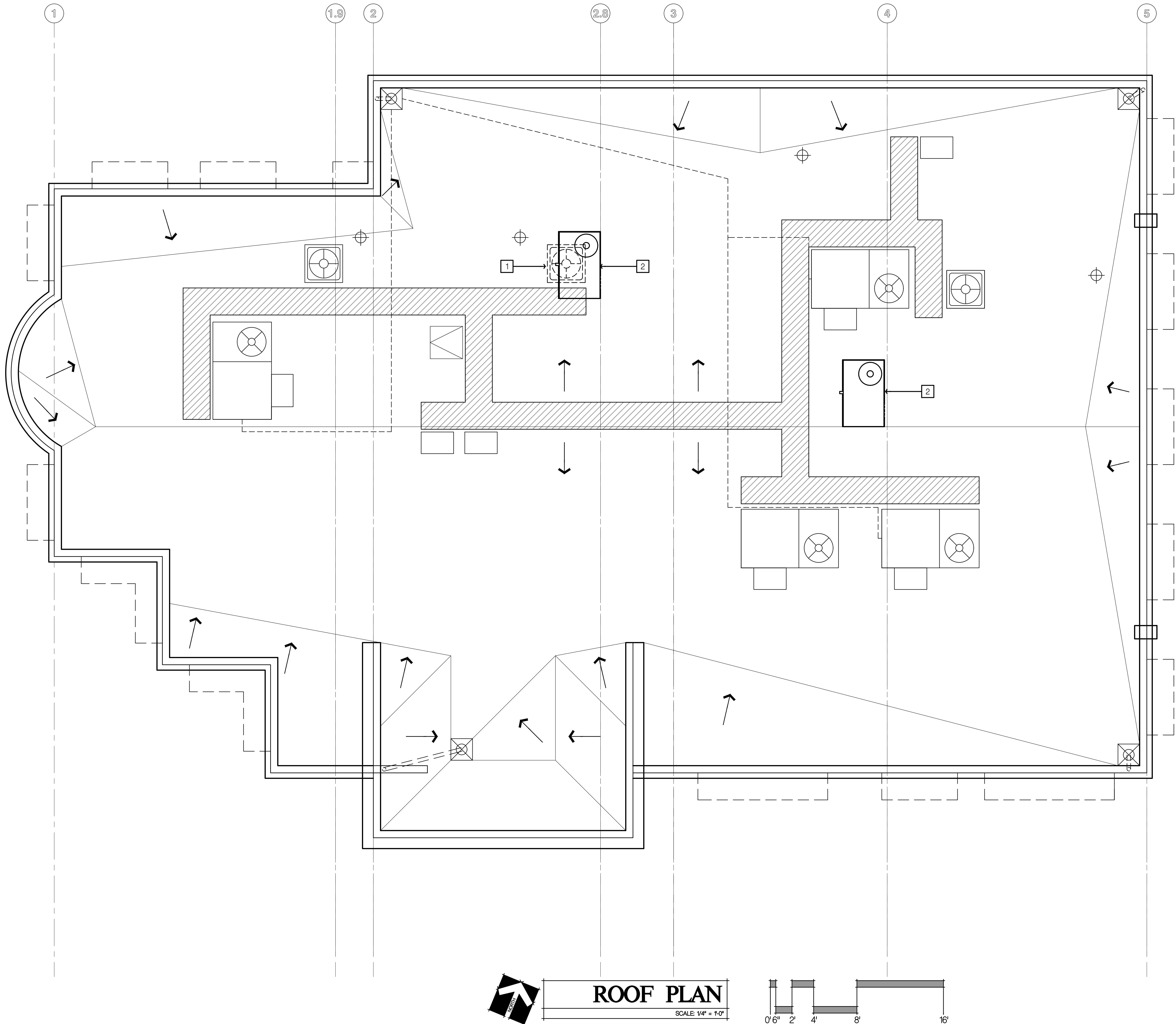
Date Issued	12/20/202
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Project No.	23-653
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SHEET No.A202

A202

Logo Name: Stamp
Print Date: December 19, 2023 - 10:15 am
File Name: N:\Projects\000\CA\CA\2023\02-0508 Shasta Regional Transportation Agency HVAC10 Drawg & Model\11 CAD\BTA_1.rvt.dwg
User: JAHM, Job: 1-00111111



GENERAL NOTES

- CONTRACTOR TO PROTECT AND PRESERVE EXISTING BUILDING STRUCTURE AND EXISTING EQUIPMENT THAT ARE TO REMAIN IN PLACE. REMOVE AND REINSTALL ALL EQUIPMENT NECESSARY TO RAISE EQUIPMENT CURBS AND VENTS AND PATCH AND REPAIR ROOFING SYSTEM.
- ALL ROOF SLOPES ON THIS DRAWING ARE EXISTING.
- MEMBRANE ROOFING SYSTEM MUST MEET THE COOL ROOF RATING COUNCIL (CRRIC):
 - MEMBRANE MUST BE LISTED ON CRRIC WEBSITE
 - INITIAL SOLAR REFLECTANCE (SR > 0.65)
 - THERMAL EMITTANCE (SR > 0.75)
- PATCH AND REPAIR ROOF AT NEW ROOF PENETRATIONS. SEE MECHANICAL DRAWINGS FOR MORE INFO.

ROOF PLAN SHEET NOTES

ALL ITEMS ARE NEW, UNLESS NOTED AS (E) OR EXISTING.

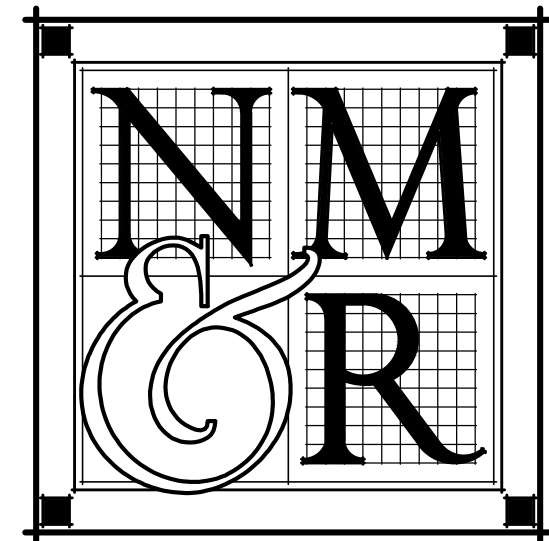
- REMOVE (E) HVAC CONDENSER
- INSTALL ROOF TOP PACKAGE UNIT AND CURB. PATCH/REPAIR (E) SINGLE PLY ROOFING MEMBRANE.

LEGEND

(E) ROOF WALK-OFF MATS

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NICHOLS
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ROSSETTO
ARCHITECTS + ENGINEERS

300 KNOLLCREST DRIVE
REDDING, CA 96002
(530) 222-3300 (530) 222-3538 FAX
<http://www.nmrdesign.com>

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LICENSE STAMPS



PROJECT NAME

HVAC
IMPROVEMENTS

FOR

SHASTA REGIONAL
TRANSPORTATION
AGENCY

1255 EAST STREET
REDDING, CA 96001

SHEET TITLE

ROOF PLAN

DRAWING STATUS
DRAWINGS
FOR
CONSTRUCTION

REVISIONS

Sym.	Description	Date
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Drawn By	KP
Date Issued	12/20/2023
Scale	1/4" = 1'-0"
Project No.	23-6536

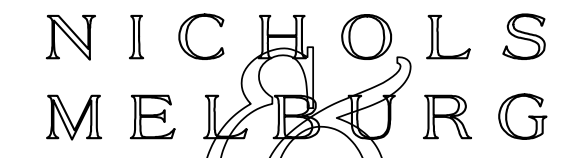
SHEET No.

A241

ALL ITEMS ARE NEW, UNLESS NOTED AS (E) OR EXISTING.

- [illegible]

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REDDING, CA. 96002
(530) 222-3300 (530) 222-3538 FAX
<http://www.nmrdesign.com>

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Scale	1/4" = 1'-0"
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SCALE: 1/4" = 1.0'

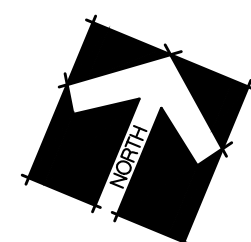
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ALL ITEMS ARE NEW, UNLESS NOTED AS (E) OR EXISTING.

SECOND FLOOR

Sym.	Description	Date
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CLIENT'S NAME



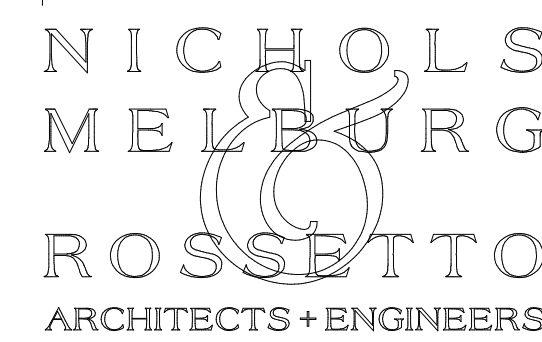
SCALE: 1/4" = 1'-0"

- M110



1. REMOVE AND REPLACE CEILING TILES AS REQUIRED TO COMPLETE WORK.
2. COORDINATE CONSTRUCTION TO MINIMIZE INTERRUPTION TO SECOND FLOOR OCCUPANCY. COMPLETE DUCTWORK MODIFICATIONS WITHIN ONE (1) 8-HOUR SHIFT.

1 EXISTING WALL BRACE, MODIFY AS REQUIRED FOR NEW DUCTING.



CONSULTANTS



LICENSE STAMPS

PROJECT NAME

APPENDIX

MECHANICAL

DRAWINGS

[illegible]

Drawn By	NEW
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Scale	$1/4" = 1'-0"$
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SHEET No. _____

SHEET NO. _____

INTRODUCTION



1. REMOVE AND REPLACE CEILING TILES AS REQUIRED TO COMPLETE WORK.

- ① CLEAN, REUSE AND RELOCATE AIR TERMINAL TO LOCATION SHOWN.
- ② MOUNT THERMOSTAT 48" ABOVE FINISHED FLOOR. COORDINATE FINAL LOCATION WITH OWNER.
- ③ BALANCE REGISTER TO MATCH PRECONSTRUCTION VALUES PER AIR BALANCE PROCEDURES ON M100.

NICHOLS
MELBURG
ROSSETTO
ARCHITECTS + ENGINEERS
300 KNOLLCREST DRIVE
REDDING, CA. 96002
(530) 222-3300 (530) 222-3538 FAX
<http://www.nmrdesign.com>



FRONTIER
CONSULTING ENGINEERS
2727 Bechell Lane - Redding, CA 96002
Ph: (530) 232-6160 - www.frontierce.com



HVAC REPLACEMENT

SHASTA REGIONAL
TRANSPORTATION
AGENCY

255 EAST STREET
REDDING, CA 96001

MECHANICAL FIRST FLOOR PLAN

DRAWINGS FOR INSTRUCTION

[illegible][illegible]

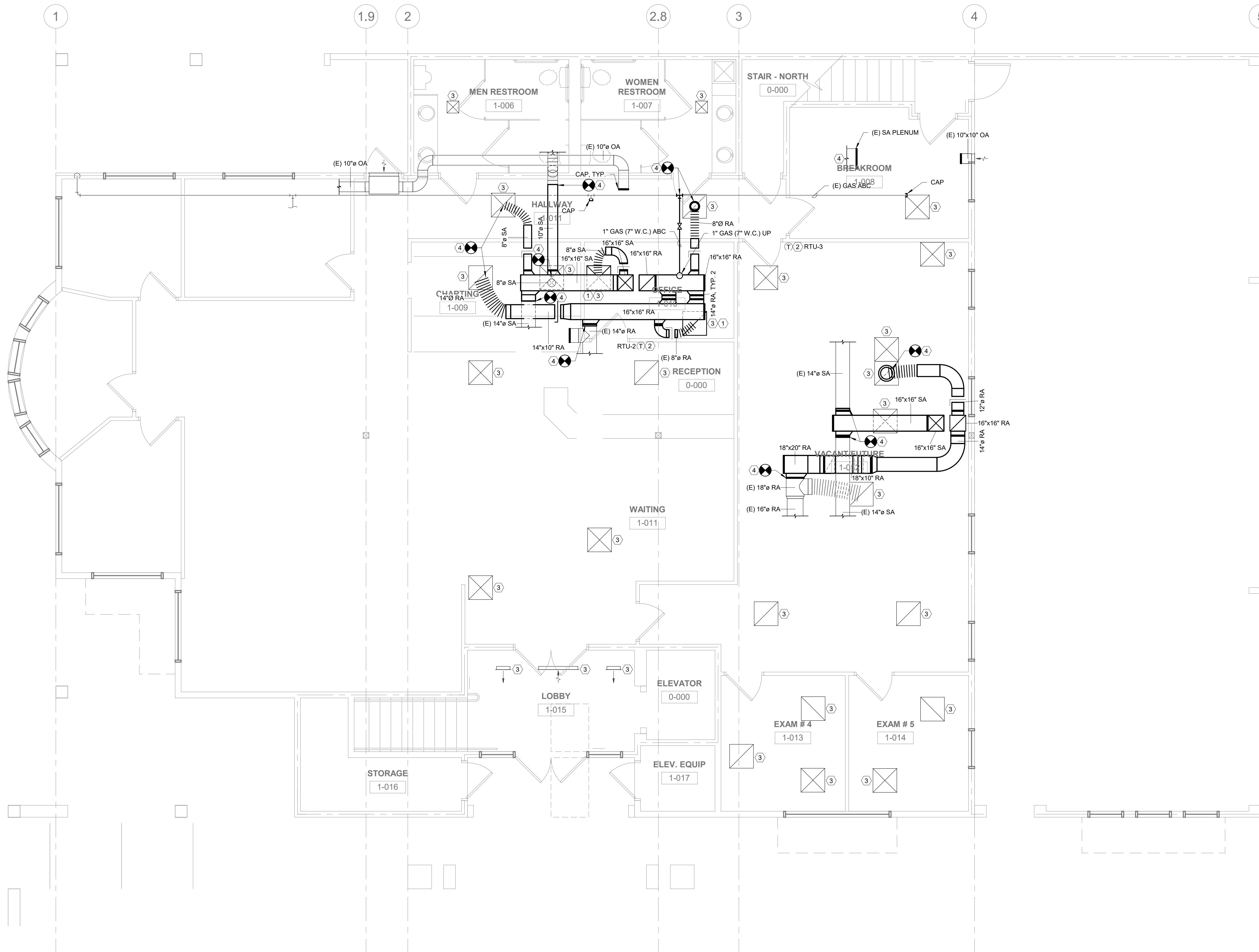
Date Issued	10/02/2023
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Scale	1/4 = 1.0
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SHEET No.

1010

M210

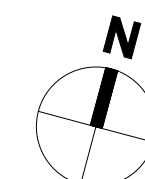


1 MECHANICAL FIRST FLOOR PLAN
M210 1/4" = 1'-0"



1. REMOVE AND REPLACE CEILING TILES AS REQUIRED TO COMPLETE WORK.
2. COORDINATE CONSTRUCTION TO MINIMIZE INTERRUPTION TO SECOND FLOOR OCCUPANTS. COMPLETE DUCTWORK MODIFICATIONS WITHIN ONE (1) 8-HOUR SHIFT.

- 1 CLEAN, REUSE AND RELOCATE AIR TERMINAL TO LOCATION SHOWN.
- 2 EXISTING WALL BRACE, MODIFY AS REQUIRED FOR NEW DUCTING.



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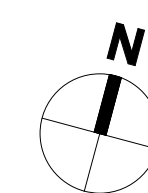


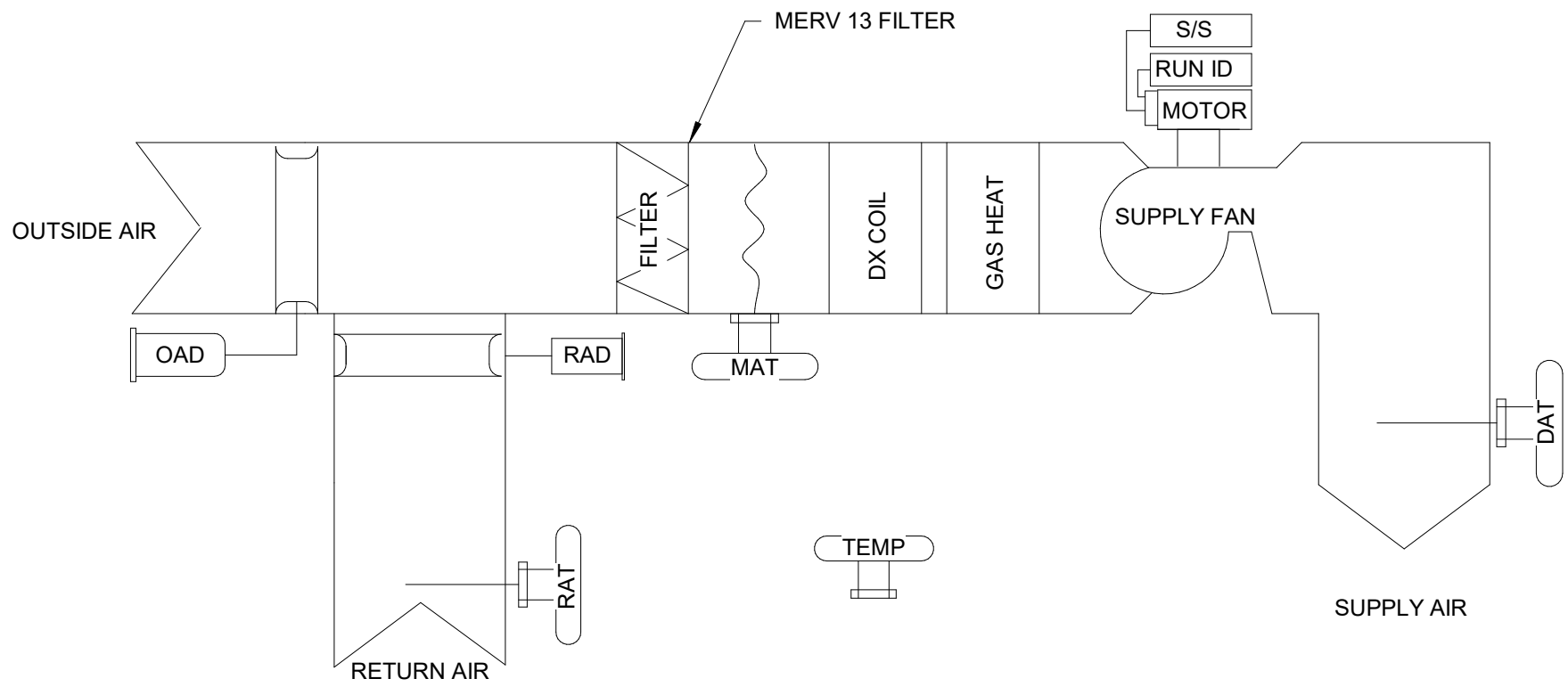
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CONSULTING ENGINEERS
2727 Bechell Lane - Redding, CA 96002
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M211

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-





RTU SEQUENCE OF OPERATIONS

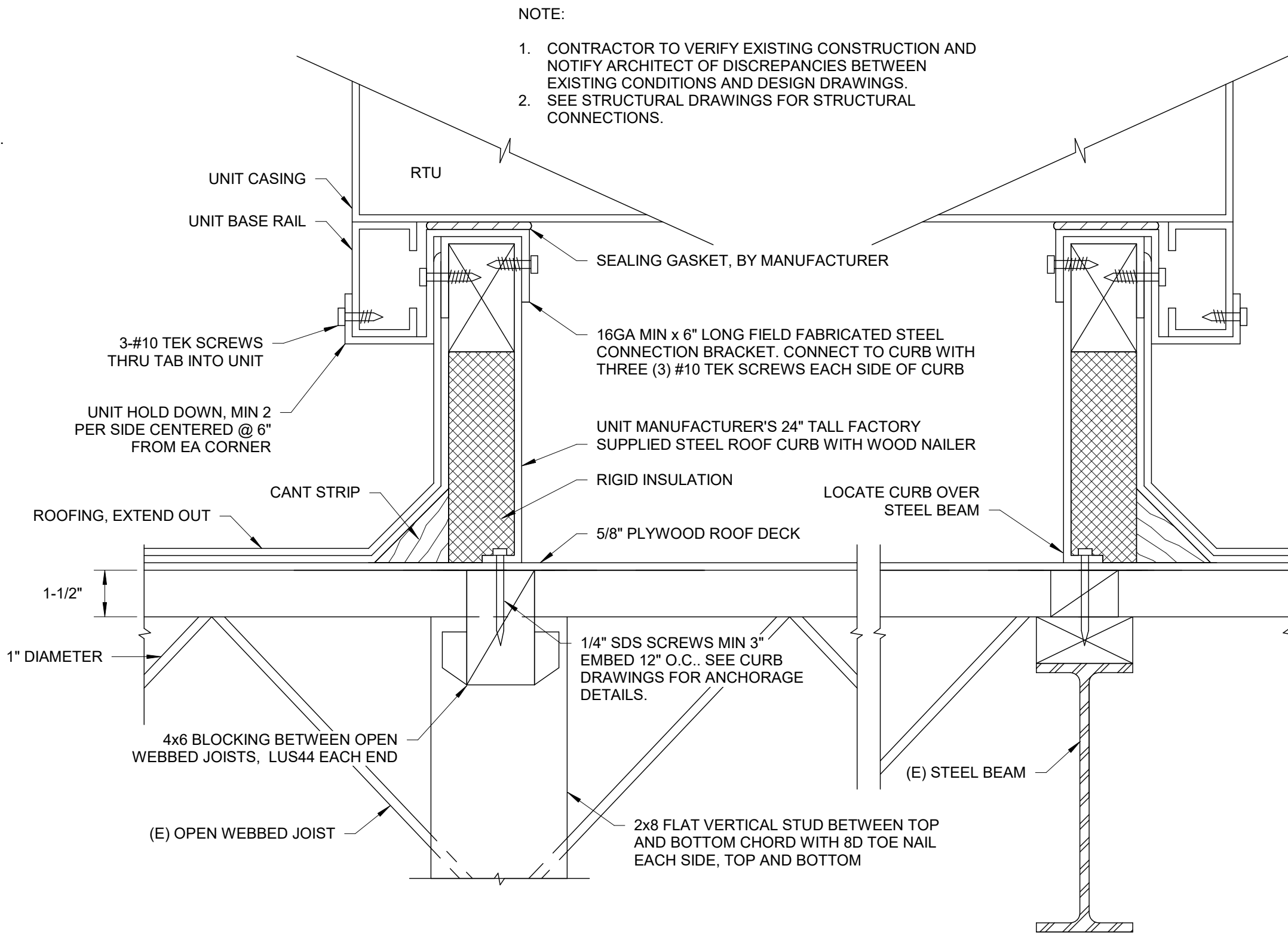
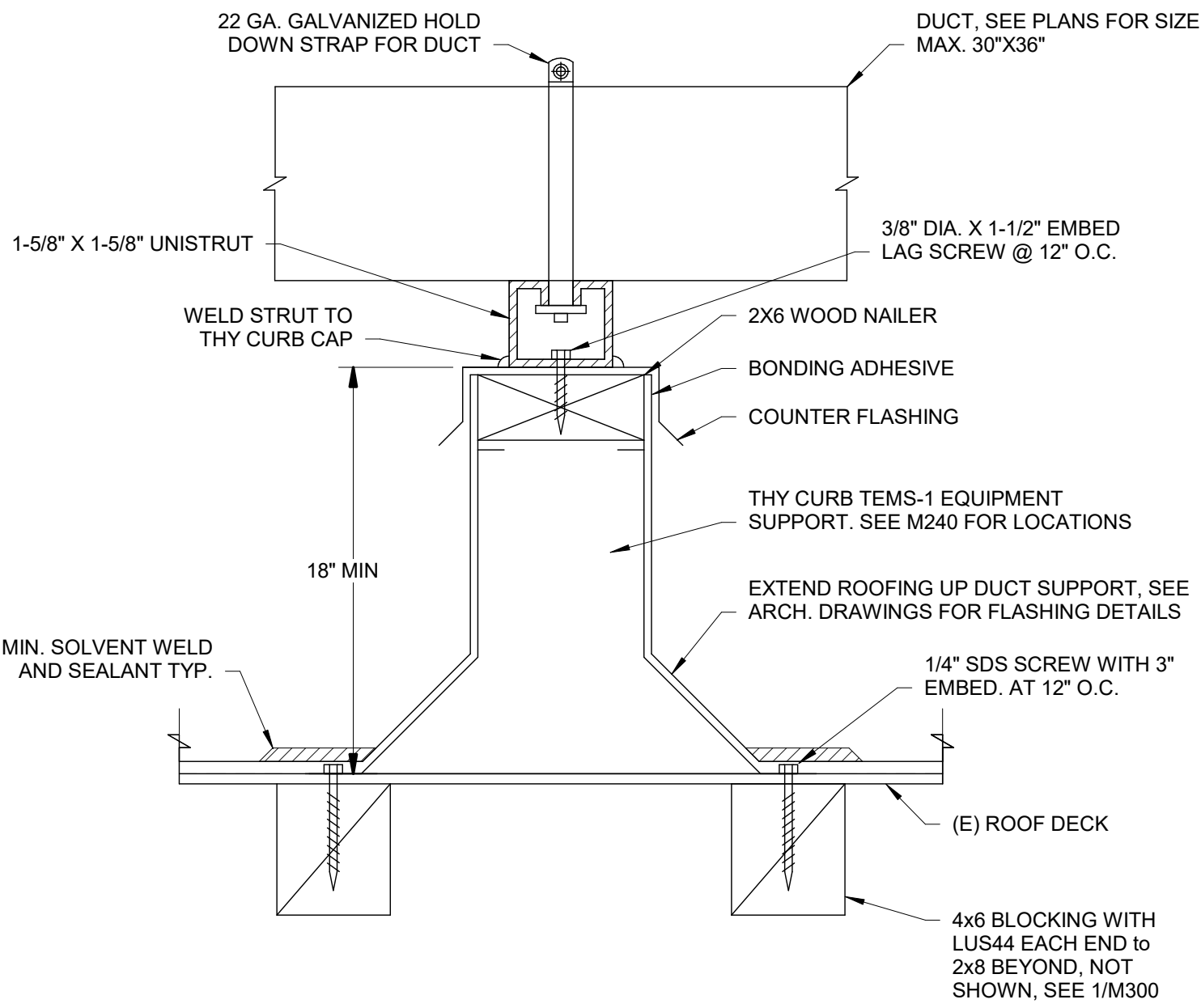
OCCUPIED / UNOCCUPIED MODE: OCCUPIED / UNOCCUPIED MODE SHALL BE SCHEDULED BY THE THERMOSTAT. IN THE UNOCCUPIED MODE THE OUTSIDE AIR DAMPERS SHALL CLOSE, THE SPACE HEATING SETPOINT SHALL BE RESET TO 55°F (ADJ.) AND THE SPACE COOLING SETPOINT SHALL BE RESET TO 85°F (ADJ.) RESPECTIVELY.

FAN CONTROL: THE SUPPLY FAN SHALL RUN CONTINUOUSLY DURING THE OCCUPIED MODE. THE SUPPLY FAN SHALL CYCLE ON AND OFF AS REQUIRED DURING THE UNOCCUPIED MODE TO MAINTAIN THE UNOCCUPIED SPACE SETPOINT. THE SUPPLY FAN SPEED CONTROLLER SHALL SWITCH THE FAN SPEED BETWEEN HIGH AND LOW AS NECESSARY TO MAINTAIN OCCUPIED SPACE SETPOINT.

DX COOLING CONTROL: WHEN IN THE OCCUPIED MODE, THE DX COOLING SHALL OPERATE AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

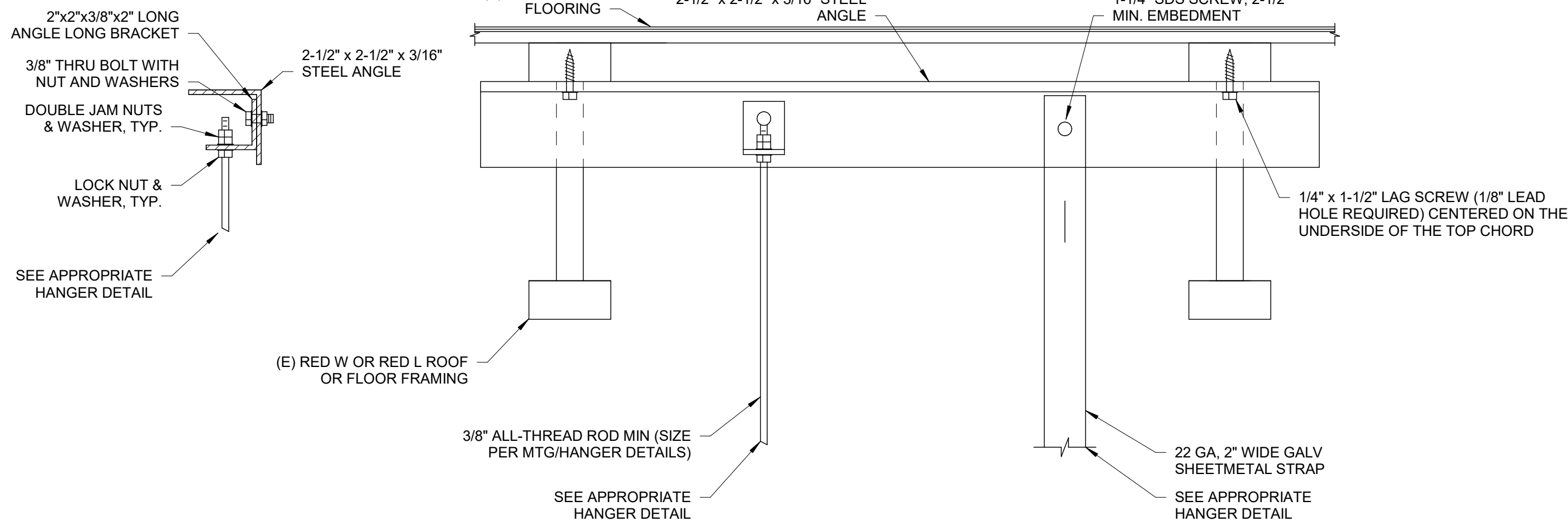
GAS HEATING CONTROL: WHEN IN THE OCCUPIED MODE, THE GAS HEATING SHALL OPERATE AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

SAFETIES / ALARMS: IF THE DISCHARGE AIR TEMPERATURE FALLS BELOW 40°F (ADJ.) THE UNIT SHALL BE COMMANDED INTO THE UNOCCUPIED MODE AND AN ALARM SHALL BE GENERATED BY THE THERMOSTAT. WHEN ANY CONTROL POINT DEVIATES FROM SET-POINT BY MORE THAN 5°F (ADJ.), AN ALARM SHALL BE GENERATED BY THE THERMOSTAT. WHEN ANY SENSED OUTPUT DIFFERS FROM ITS COMMANDED STATE, AN ALARM SHALL BE GENERATED BY THE THERMOSTAT.



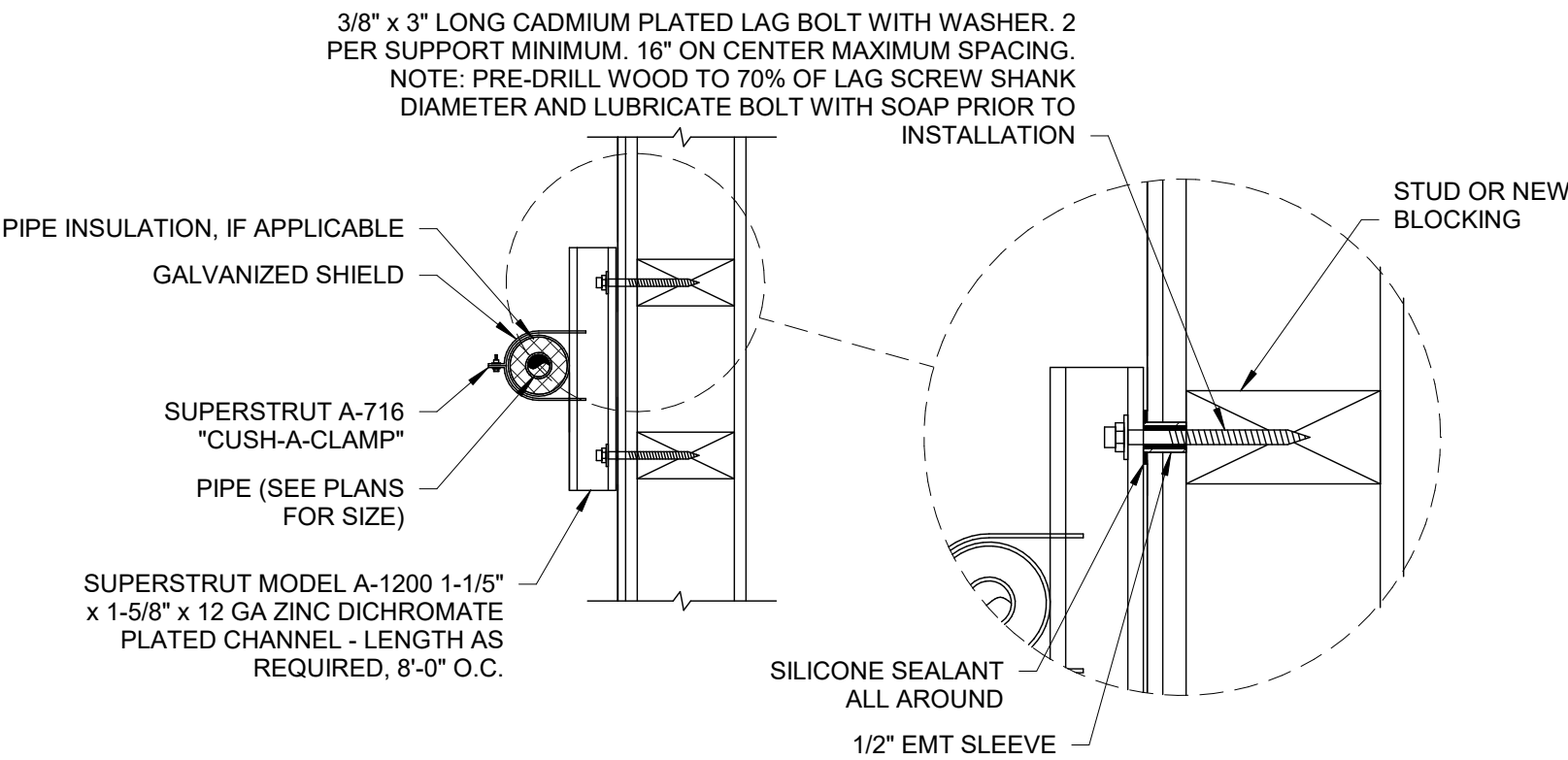
3 RTU CONTROL SCHEMATIC - BAROMETRIC RELIEF

M300 NOT TO SCALE



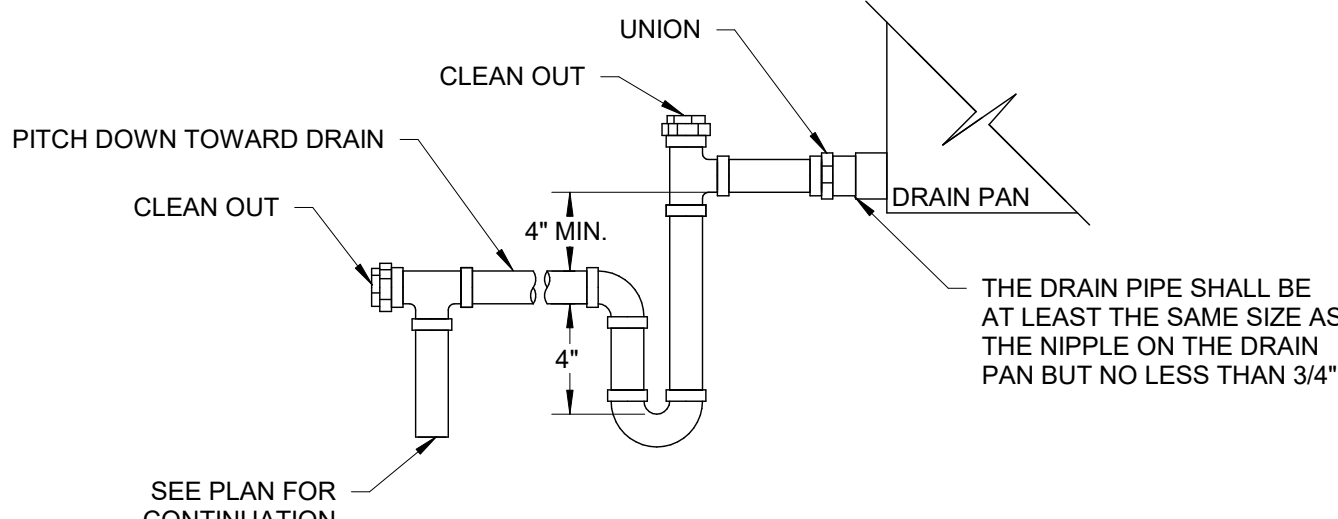
6 TYPICAL DUCT HANGER CONNECTION DETAILS

M300 NOT TO SCALE



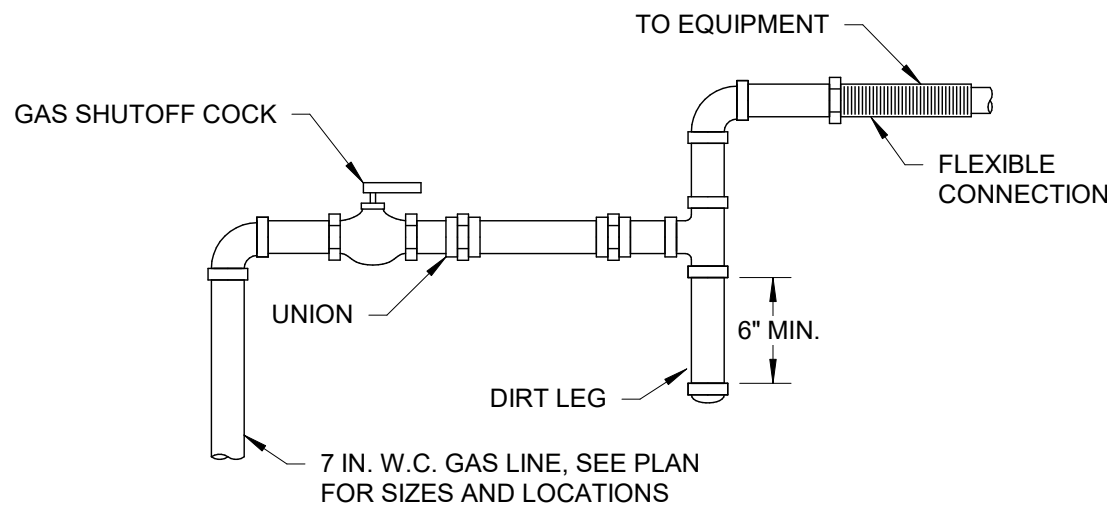
5 PIPE SUPPORT DETAIL

M300 NOT TO SCALE



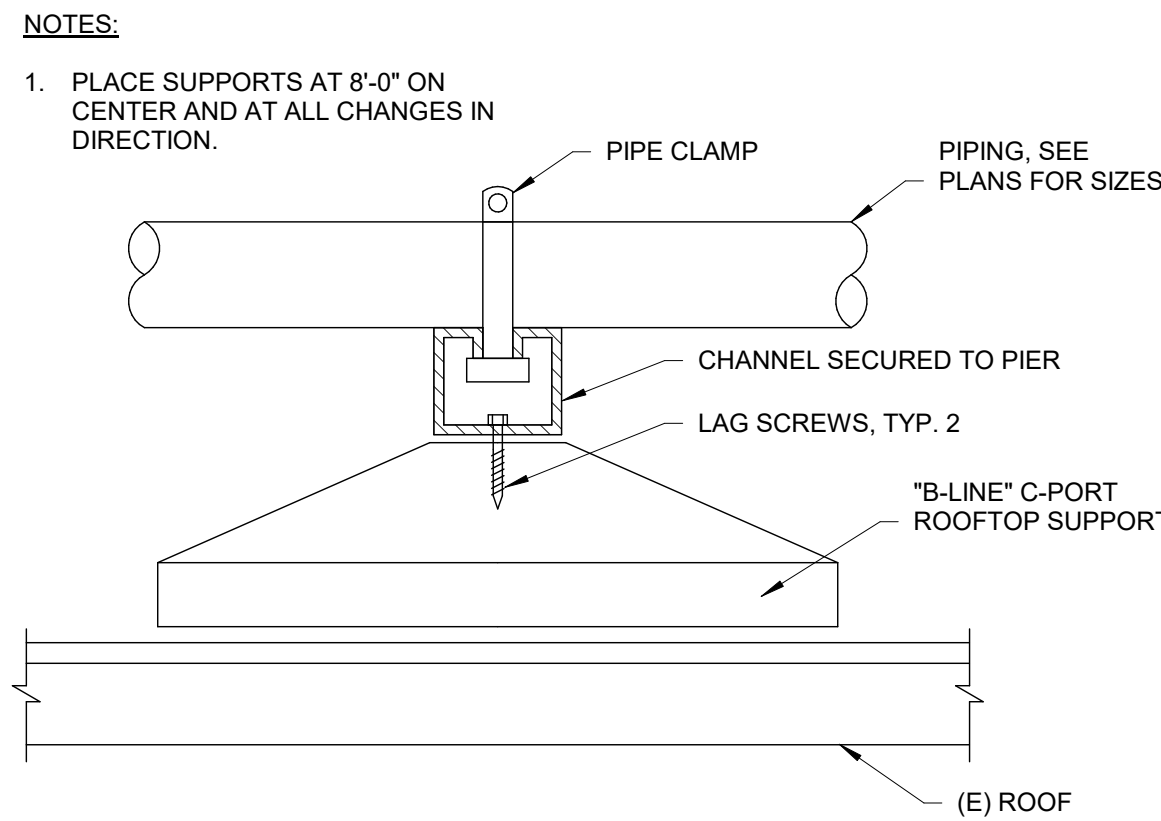
4 HVAC CONDENSATE DRAIN DETAIL

M300 NOT TO SCALE



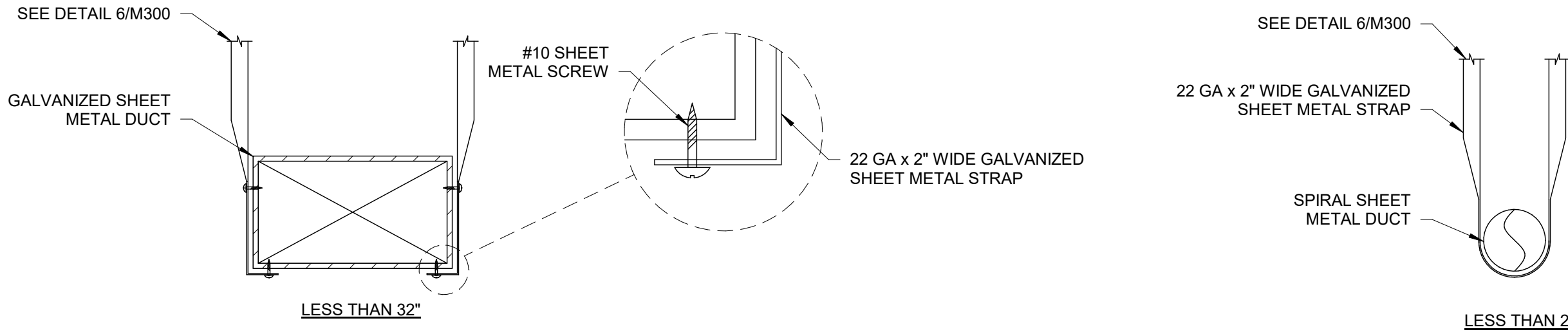
7 GAS CONNECTION DETAIL

M300 NOT TO SCALE



8 PIPE SUPPORT ON ROOF DETAIL

M300 NOT TO SCALE



10 TYPICAL DUCT HANGER DETAILS

M300 NOT TO SCALE

DUCT SUPPORT NOTES:

1. ALL STRAPS, RODS, TRAPEZE ANGLES AND TRAPEZE CHANNELS SHALL BE SIZED IN ACCORDANCE WITH THE LATEST SMACNA REQUIREMENTS. ALL BOLTS, NUTS, SCREWS AND OTHER FASTENING DEVICES SHALL BE LOAD-RATED AND SHALL MEET ALL CODE REQUIREMENTS AND APPLICABLE SAFETY FACTORS.
2. WIRE, USED IN PLACE OF STRAPS AND RODS, IS NOT ALLOWED.
3. WHERE APPLICABLE, INSTALL INSULATION AFTER INSTALLING DUCT HANGERS.
4. LATERAL BRACING REQUIRED ON 32\"/>
5. LATERAL BRACING REQUIRED ON 20\"/>
6. SUPPORTS SHALL BE PLACED AT 8'-0\"/>

9 PIPE HANGING DETAIL

M300 NOT TO SCALE

HANGERS AND SUPPORTS		
MATERIAL	HORIZONTAL	VERTICAL
CAST IRON HUBLESS	EVERY OTHER JOINT, UNLESS OVER 4 FEET THEN SUPPORT EACH JOINT	BASE AND EACH FLOOR, NOT TO EXCEED 15 FEET
COPPER & COPPER ALLOYS	1-1/2 INCHES AND SMALLER, 6 FEET, 2 INCHES AND LARGER, 10 FEET	EACH FLOOR, NOT TO EXCEED 10 FEET
STEEL PIPE FOR GAS	1/2 INCH, 6 FEET; 3/4 INCH AND 1 INCH, 8 FEET; 1-1/4 INCHES AND LARGER, 10 FEET	1/2 INCH, 6 FEET; 3/4 INCH AND 1 INCH, 8 FEET; 1-1/4 INCHES EVERY FLOOR LEVEL
SCHEDULE 40 PVC AND ABS DWV	ALL SIZES, 4 FEET; ALLOW FOR EXPANSION EVERY 30 FEET	BASE AND EACH FLOOR; PROVIDE MID-STORY GUIDES; PROVIDE FOR EXPANSION EVERY 30 FEET

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NM & R
NICHOLS MELBURG ROSSETTO
ARCHITECTS + ENGINEERS
300 KNOLLCREST DRIVE
REDDING, CA 96002
(530) 222-3300 (530) 222-3538 FAX
http://www.nmrdesign.com

CONSULTANTS

FRONTIER
CONSULTING ENGINEERS
2727 Bechtel Lane - Redding, CA 96002
Ph: (530) 832-6160 - www.frontierco.com

LICENSE STAMPS



PROJECT NAME

HVAC REPLACEMENT

FOR

SHASTA REGIONAL TRANSPORTATION AGENCY

1255 EAST STREET
REDDING, CA 96001

SHEET TITLE

MECHANICAL DETAILS

DRAWING STATUS

DRAWINGS FOR CONSTRUCTION

REVISIONS

Sym.	Description	Date

Drawn By	NEW
Date Issued	10/02/2023
Scale	1/8" = 1'-0"
Project No.	23-6536

SHEET No.

M300



CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-E
Nonresidential Performance Compliance Method				(Page 3 of 10)
C1. COMPLIANCE SUMMARY				
COMPLIES ¹				
		Time Dependent Valuation (TDV)		Source Energy Use
		Efficiency ² (kBtu/ft ² - yr)	Total ³ (kBtu/ft ² - yr)	Total ⁴ (kBtu/ft ² - yr)
Standard Design		350.71	n/a	n/a
Proposed Design		341.62	n/a	n/a
Compliance Margins		9.09	n/a	n/a
		Pass	n/a	n/a
¹ Efficiency measures include improvements like a better building envelope and more efficient equipment				
² Compliance Totals include efficiency, photovoltaics and batteries				
³ New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded				
⁴ Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded				

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD							NRCC-PRF-E
Nonresidential Performance Compliance Method							(Page 6 of 10)
C7. TDV ENERGY USE SUMMARY							
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)	
Space Heating	---	---	---	---	12.9	-3.2	
Space Cooling	7.1	8.1	-1	---	---	---	
Indoor Fans	16.5	13.5	3	---	---	---	
Heat Rejection	---	---	---	---	---	---	
Pumps & Misc.	---	---	---	---	---	---	
Domestic Hot Water	1.5	1.5	0	---	---	---	
Indoor Lighting	5.6	5.6	0	---	---	---	
Flexibility	---	---	---	---	---	---	
EFFICIENCY TOTAL	30.7	28.7	2	9.7	12.9	-3.2	
Photovoltaics	---	---	---	---	---	---	
Batteries	---	---	---	---	---	---	
ENERGY USE SUBTOTAL	30.7	28.7	2	9.7	12.9	-3.2	
Receptacle	12.2	12.2	0	---	---	---	
Process	---	---	---	---	---	---	
Other Ltg	---	---	---	---	---	---	
Process Motors	---	---	---	---	---	---	
ENERGY USE TOTAL	42.9	40.9	2	9.7	12.9	-3.2	

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD		NRCC-PRF-E
Nonresidential Performance Compliance Method		(Page 9 of 10)
L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		
Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.		
Building Component	Form/Title	
Mechanical	NRCA-MCH-E - For all buildings with Mechanical Systems	
H. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE		
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).		
Building Component	Form/Title	
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap	
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC	
H. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION		
Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.		
There are no Certificates of Verification applicable to this project		

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD		NRCC-PRF-E
Nonresidential Performance Compliance Method		(Page 2 of 10)
B. PROJECT SUMMARY		
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.		
Building Components Complying via Performance		Building Components Complying Prescriptively
Envelope (See Table G)	Nonres MultiFam Not Included Not Included	Solar Thermal Water Heating (See Table I) ☐ Performance ☒ Not Included
Mechanical (See Table H)	Nonres MultiFam Not Included	Indoor Lighting (Unconditioned) 140.6 & 170.2(e) ☐ Performance ☒ Not Included
Domestic Hot Water (See Table I)	Nonres MultiFam Not Included	Outdoor Lighting 140.7 & 170.2(e) ☐ Performance ☒ Not Included
Lighting (Indoor Conditioned, see Table K)	Nonres MultiFam Not Included	Sign Lighting 140.8 & 170.2(e) ☐ Performance ☒ Not Included
		Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)
		Electrical Power Distribution 110.11 ☐ Performance ☒ Not Included
		Commissioning 120.8 ☐ Performance ☒ Not Included
		Solar and Battery 110.10 ☐ Performance ☒ Not Included

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-E
Nonresidential Performance Compliance Method				(Page 5 of 10)
C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹				
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹	
Receptacle	111.19	111.19	---	
Process	---	---	---	
Other Ltg	---	---	---	
Process Motors	---	---	---	
TOTAL TOTAL COMPLIANCE + NON-REGULATED COMPONENTS	461.9	452.81	9.09 (2%)	
¹ Notes: This table is not used for Energy Code Compliance.				
C6. ABOVE CODE QUALIFICATIONS				
☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2				

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD													NRCC-PRF-E
Nonresidential Performance Compliance Method													(Page 8 of 10)
H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY													
01	02	03	04	05	06	07	08	09	10	11	12	13	
		Supply Fan											
Name or Item Tag	Qty	Design OA CFM	CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	Status ¹	
RTU-2	1	219	1,600	1.02	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
RTU-3	1	181.05	1,600	1.02	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
* Status: N - New, A - Altered, E - Existing													
H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION													
01	02	03	04	05	06			07					
Zone Name	Mechanical Ventilation						Conditioned Area (sf)		DCV or Occupant Sensor Controls, or Both				
1-RTU-2	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM			1460		N/A				
2-RTU-3	Misc - All others	7.3	219	0			1207		N/A				
H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY													
01	02	03	04	05	06	07	08	09	10	11	12		
System ID	System Type	Qty	Rated Capacity (dBtu/h)		Airflow (cfm)			Power	Fan		VSD		
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles			
1-RTU-2-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐		
2-RTU-3-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐		
L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION													
Selections made by Documentation Author indicate which Certifications must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.													
Building Component		Form/Title											
Mechanical	NRCA-MCH-01-E - Must be submitted for all buildings												
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance				Report Version: 2022.000				Report Generated: 2023-11-27 10:10:21					
				Schema Version: rev 20220601				Compliance ID: EnergyPro-20504-1123-0083					

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-E
Nonresidential Performance Compliance Method				(Page 1 of 10)
Project Name:		Shasta Regional Transportation Agency	Date Prepared:	2023-11-27
A. General Information				
1	Project Name	Shasta Regional Transportation Agency		
2	Run Title	Title 24 Analysis		
3	Project Location	1255 East Street		
4	City	Redding	5 Standards Version	Compliance 2022
6	Zip code	96001	7 Compliance Software (version)	EnergyPro 9.2
8	Climate Zone	11	9 Building Orientation (deg)	180
10	Building Type(s)	• Nonresidential		
12	Project Scope	• Existing alteration		
		13 Number of Dwelling Units	REDDING_STYP2D.epw 0	
14	Total Conditioned Floor Area in Scope (ft²)	2667	15 Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	0	17 Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	2667	19 Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0		

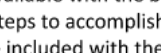
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-27 10:10:21
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-E
Nonresidential Performance Compliance Method				(Page 4 of 10)
C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ² - yr)				
COMPLIES ¹				
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹	
Space Heating	10.44	13.82	-3.38	
Space Cooling	100.44	120.33	-19.89	
Indoor Fans	174.7	142.34	32.36	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	13.1	13.1	0	
Indoor Lighting	52.03	52.03	0	
Flexibility	---	---	---	
EFFICIENCY COMPLIANCE TOTAL	350.71	341.62	9.09 (2.6%)	
Photovoltaics	---	---	---	
Batteries	---	---	---	
TOTAL COMPLIANCE	350.71	341.62	9.09 (2.6%)	
¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.				

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											NRCC-PRF-E	
Nonresidential Performance Compliance Method											(Page 7 of 10)	
C8. ENERGY USE INTENSITY (EUI)												
	Standard Design (kBtu/ft ² / yr)	Proposed Design (kBtu/ft ² / yr)	Margin (kBtu/ft ² / yr)	Margin Percentage								
GROSS EUI ¹	58.52	57.16	1.36	2.32								
NET EUI ¹	58.52	57.16	1.36	2.32								
¹ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.												
D1. EXCEPTIONAL CONDITIONS												
* The building does not include service water heating. Verify that service water heating is not required and is not included in the design.												
H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRE, ECONOMIZERS ETC.)												
01	02	03	04	05	06	07	08	09	10	11	12	
				Heating			Cooling					
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status ¹	
RTU-2	Single Zone Air Conditioner (SZAC) Air System	1	54	0	AFUE	81	45.61	EER SEER	9.2 17.4	No Economizer	N	
RTU-3	Single Zone Air Conditioner (SZAC) Air System	1	54	0	AFUE	81	45.61	EER SEER	9.2 17.4	No Economizer	N	
¹ Status: N - New, A - Altered, E - Existing												

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD		NRCC-PRF-E
Nonresidential Performance Compliance Method		(Page 10 of 10)
Documentation Author's Declaration Statement		
I, I certify that this Certificate of Compliance documentation is accurate and complete.		
Documentation Author Name: Ben R. Abrahamson	Documentation Author Signature: 	
Company: Frontier Consulting Engineering, Inc.	Signature Date: 11/30/2023	
Address: 2727 Beechell Lane	CEA/HERS Certification Identification (if applicable): M35923	
City/State/Zip: Redding, CA 96002	Phone: (530) 232-6160	
Responsible Person's Declaration statement		
I certify the following under penalty of perjury, under the laws of the State of California:		
1. The information provided on this Certificate of Compliance is true and correct.		
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (Responsible Designer).		
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 3 and Part 6 of the California Code of Regulations.		
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.		
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.		
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.		
Responsible Designer Name: Devan Carter	Responsible Designer Signature: 	
Company: NMR Redding	Date Signed: 11/27/2023	
Address: 320 Knollsides Drive	License #: 04750	
City/State/Zip: Redding, CA 96002	Title: ARCHITECT	Scope:
Phone: (530) 232-3300		
Responsible Designer Name: Ben R. Abrahamson	Responsible Designer Signature: 	
Company: Frontier Consulting Engineers, Inc.	Date Signed: 11/30/2023	
Address: 2727 Beechell Lane	License #: M35923	
City/State/Zip: Redding, CA 96002	Title: Mechanical Engineer	Scope:
Phone: (530) 232-6160		

SYMBOLS			
		CONDUIT EXPOSED	
-----		CONDUIT CONCEALED OR BURIED	
		CROSS HATCHES W/ BARS INDICATES NUMBER OF #10 CONDUCTORS	
		1/2" C - #12 1#12G	CAT 5e LIGHTING CABLE
		HOME RUN-DESTINATION SHOWN	
		CONDUIT DOWN	
		CONDUIT UP	
		CONNECTION POINT	
		TELEPHONE CONNECTION POINT; 18" TO COD AFF UNLESS OTHERWISE NOTED. 3/4" C - STUB UP TO CEILING PLENUM	
		DATA CONNECTION POINT; 18" TO COD AFF UNLESS OTHERWISE NOTED. 3/4" C - STUB UP TO CEILING PLENUM	
		TELE/DATA CONNECTION POINT; 18" TO COD AFF UNLESS OTHERWISE NOTED. 3/4" C - STUB UP TO CEILING PLENUM	
		WALL SWITCH, 46" TO COD AFF UNLESS OTHERWISE NOTED	
		INDICATES THREE-POLE WALL SWITCH	
		INDICATES WALL SWITCH WITH INTEGRAL DIMMER	
		INDICATES WALL SWITCHES FOR MULTIPLE LIGHTING GROUPS	
		INDICATES LOW VOLTAGE WALL SWITCH	
		INDICATES KEY-OPERATED WALL SWITCH	
		INDICATES MOTOR RATED SWITCH	
		INDICATES WALL SWITCH WITH INTEGRAL TIMER	
		MOTOR RATED SWITCH	
		OCCUPANCY SENSOR	
		JUNCTION BOX	
		CONTACT RELAY	
		20A SPECIFICATION GRADE RECEPTACLE, COORDINATE CONFIGURATION W/ SUPPLIED EQUIPMENT	20A SPECIFICATION GRADE GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
		20A SPECIFICATION GRADE QUADRUPLEx RECEPTACLE	20A SPECIFICATION GRADE GROUND FAULT CIRCUIT INTERRUPTER QUADRUPLEx RECEPTACLE
		208/240V RECEPTACLE 18" COD UNLESS OTHERWISE NOTED ON PLANS	
		SPLITWIRED RECEPTACLES	
		FUSED DISCONNECT	
		NON-FUSED DISCONNECT	
		FUSED SWITCH	
		LAY-IN 2 FT x 2 FT.	
		SURFACE MOUNTED 2 FT x 4 FT FLUORESCENT LIGHT FIXTURE	
		SURFACE MOUNTED 1 FT x 4 FT FLUORESCENT LIGHT FIXTURE	
		HATCHING INDICATES EMERGENCY LIGHTING.	
		RECESSED LIGHT FIXTURE.	
		PENDANT MOUNTED LIGHT FIXTURE	
		SINGLE FACE ILLUMINATED EXIT SIGN	
		DOUBLE FACED ILLUMINATED DIRECTIONAL EXIT SIGN.	
		SINGLE FACED ILLUMINATED DIRECTIONAL EXIT SIGN.	
		LED STANDARD EMERGENCY LIGHT	

ELECTRICAL ABBREVIATIONS	
A	-AMMETER, AMPERE
AC	-ALTERNATING CURRENT
ACH	-ABOVE COUNTER HEIGHT
AFCI	-ARC FAULT CIRCUIT INTERRUPT
AFF	-ABOVE FINISHED FLOOR
AIC	-AMPS INTERRUPTING CAPACITY
ATS	-AUTOMATIC TRANSFER SWITCH
BRKR	-BREAKER
BOE	-BOTTOM OF EQUIPMENT
CEC	-CALIFORNIA ELECTRICAL CODE
C/COND	-CONDUIT
CKT	-CIRCUIT
COD	-CENTER OF DEVICE
CT	-CURRENT TRANSFORMER
DC	-DIRECT CURRENT
(E)	-EXISTING
FSS	-FUSED SERVICE SWITCH
G	-GROUND
GFCI	-GROUND FAULT CIRCUIT INTERRUPT
J	-JUNCTION BOX
LCP	-LIGHTING CONTROL PANEL
LTR	-LIGHTING
MFR	-MANUFACTURER
MSB	-MAIN SWITCH BOARD
MTS	-MANUAL TRANSFER SWITCH
NEC	-NATIONAL ELECTRIC CODE
NEMA	-NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
NFSS	-NON-FUSED SERVICE SWITCH
N	-NEUTRAL
(N)	-NEW
PB	-PULLBOX
PC	-PHOTOCELL
PNL	-PANELBOARD
RECEPT	-RECEPTACLE
(R)	-RELOCATE
SWBD	-SWITCHBOARD
T	-THERMOSTAT OR TELE CONDUIT
TOD	-TOP OF DEVICE
TYP	-TYPICAL
V	-VOLTMETER, VOLT
W	-WATT
WP	-WEATHERPROOF (NEMA 3R)
XFMR	-TRANSFORMER
*	-FINAL FUSE SIZE ACCORDING TO MANUFACTURER

CKT	Circuit Description	Rating	Poles	A	B	C	A	B	C	Poles	Rating	Circuit Description	CKT	
2	RECEPTS - NORTH	20 A	1	900			1200			1	20 A	LIGHTING - EXIT	2	
3	RECEPTS - WEST	20 A	1		900			1200		1	20 A	LIGHTING	3	
5	RECEPTS - SOUTH	20 A	1			900			1200	1	20 A	LIGHTING	5	
7	AIR HANDLER	20 A	1	1680				2184		2	30 A	AIR-HEAT PUMP	8	
9	AIR HANDLER	20 A	1		1680				2184				9	
11	AIR HANDLER	20 A	1			1680				1680	1	20 A	LAUNDRY	10
13				2498			2498						13	
15	(2) (N) RTU - 2	30 A	3		2498			2498		3	30 A	(N) RTU - 3	(2)	
17					2498				2498				17	
19	SPACE	--	1	--		2498	--			1	--	SPACE	18	
21	SPACE	--	1	--	--		--	--		1	--	SPACE	20	
23	SPACE	--	1			--			--	1	--	SPACE	22	
25	SPACE	--	1	--	--		--	--		1	--	SPACE	24	
27	SPACE	--	1		--	--	--	--		1	--	SPACE	26	
29	SPACE	--	1						180	1	20 A	(N) RECEPTS - ROOFTOP	(3)	
	TOTAL LOAD (VOLT-AMPS)			PHASE A		PHASE B		PHASE C						
				10961 VA		10961 VA		10637 VA						
	TOTAL LOAD (AMPS)			92 A		92 A		89 A						

		MAXIMUM ALLOWED RUN LENGTH (FT)			
VOLT	AMP	#12	#10	#8	#6 / #4
120	2	500	800	1200	2000 3250
	4	250	400	600	1000 1625
	6	175	250	400	650 1100
	8	125	200	325	500 850
	10	100	150	250	400 650
	12	85	125	200	350 550
	14	75	110	175	300 450
	16	60	100	150	250 400

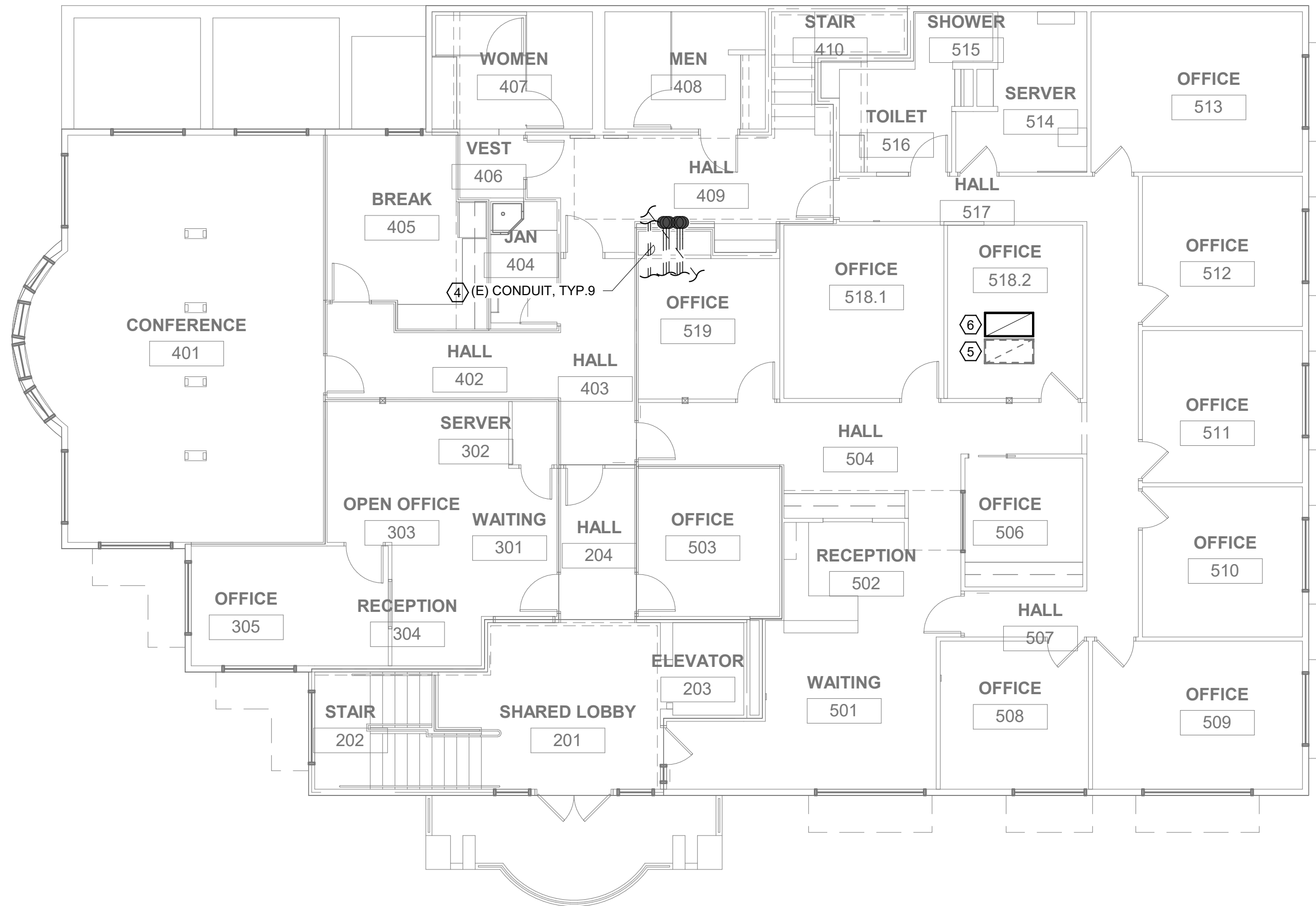
PANEL SCHEDULE BRANCH CIRCUIT SIZES SHALL ACCOUNT FOR VOLTAGE DROP. VOLTAGE DROP SHALL NOT EXCEED 3% FOR BRANCH CIRCUITS. CONDUIT SIZE BRANCH CIRCUIT LENGTH PER ALLOWED FIELD ROUTING WITH THE ABOVE VOLTAGE DROP TABLE. ADJUST BRANCH CIRCUIT CONDUCTOR SIZES AS REQUIRED. ADJUST CONDUIT SIZE AS REQUIRED FOR LARGER CONDUCTORS.

1 ONE LINE DIAGRAM
E100 NOT TO SCALE

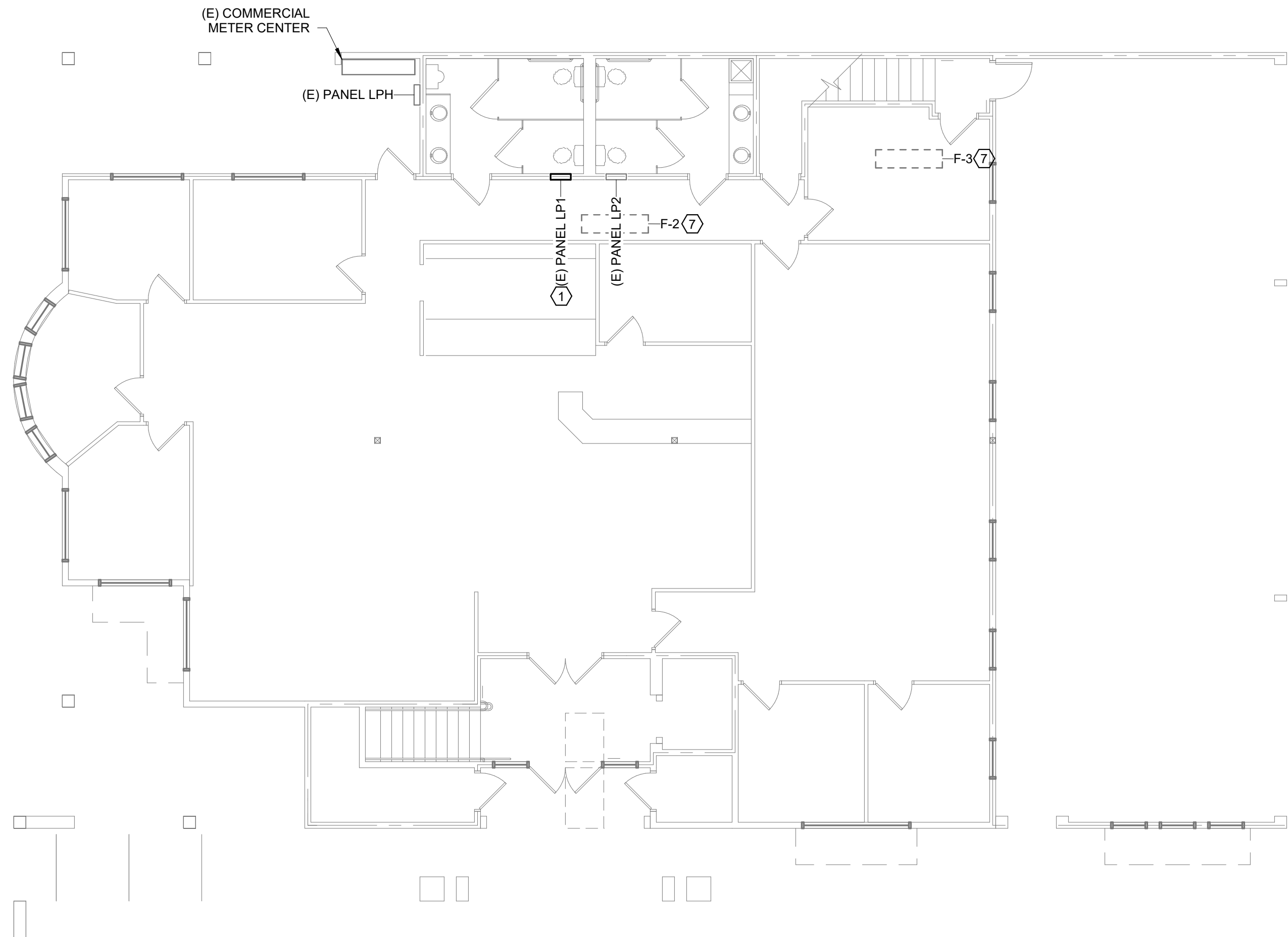
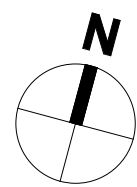
2 ELECTRICAL DEMOLITION ROOF PLAN
E100 1/8" = 1'-0"

E100

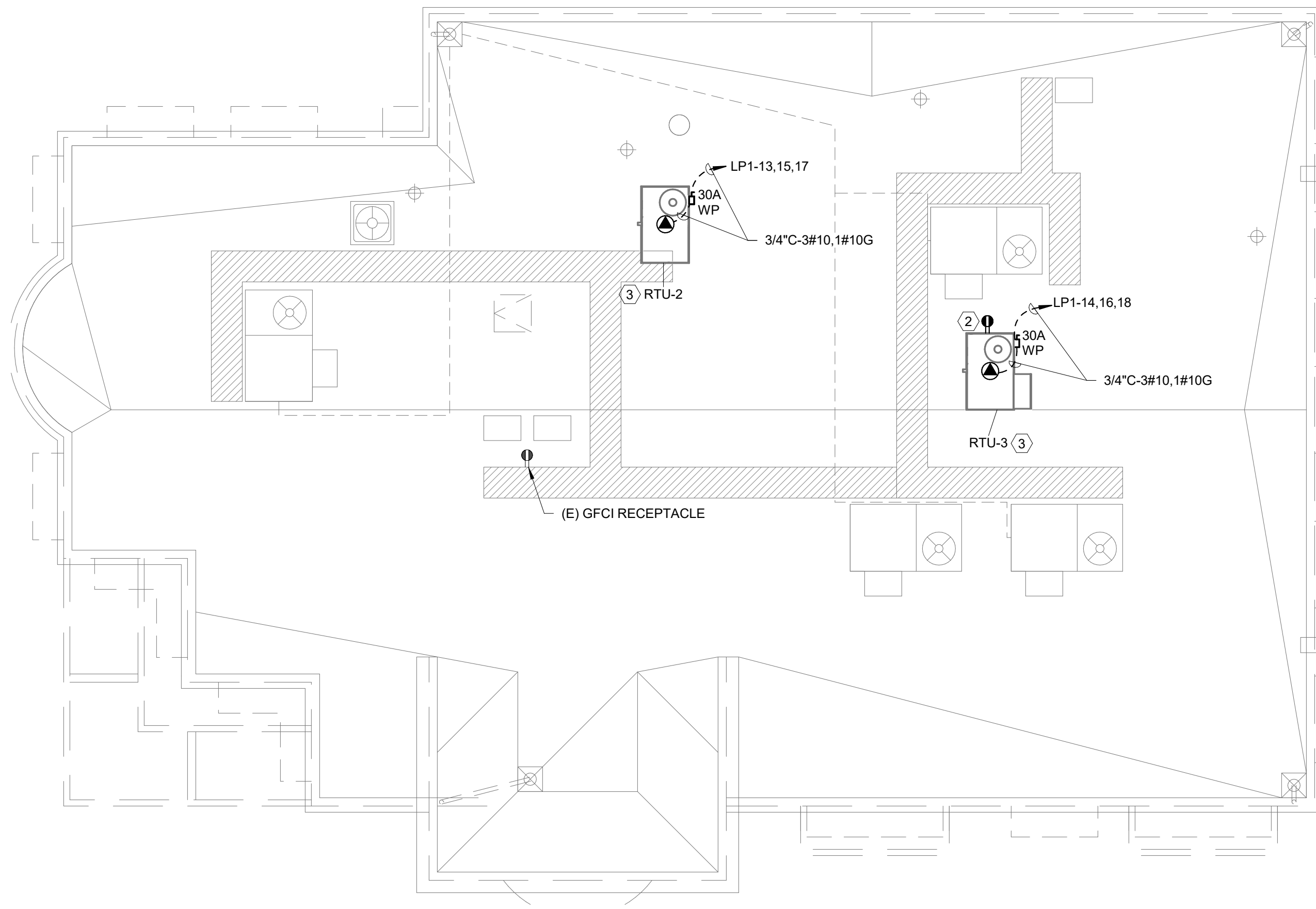
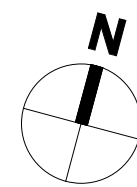




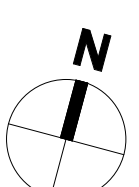
2 ELECTRICAL SECOND FLOOR PLAN
E200 1/8" = 1'-0"



1 ELECTRICAL FIRST FLOOR PLAN
E200 1/8" = 1'-0"



3 ELECTRICAL ROOF PLAN
E200 1/8" = 1'-0"

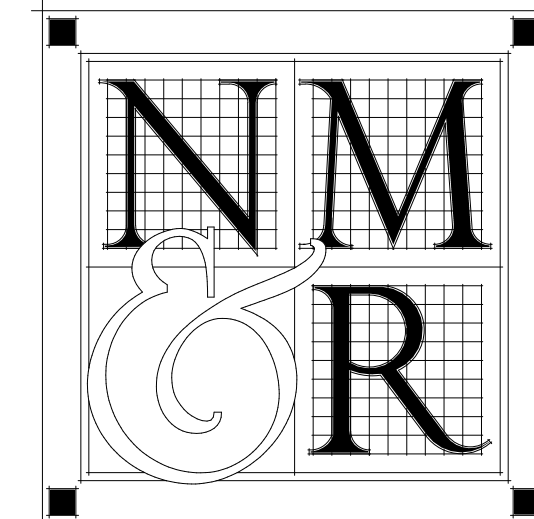


KEYED NOTES

- 1 REFER TO PANEL SCHEDULE ON E100 FOR MODIFICATIONS.
- 2 PROVIDE NEW WEATHERPROOF GFCI RECEPTACLE. PROVIDE POWER FROM EXISTING CIRCUIT FOR ROOFTOP GFCI RECEPTACLE.
- 3 PROVIDE NEW CONDUIT AND CONDUCTORS TO SERVE EQUIPMENT.
- 4 REROUTE EXISTING CONDUIT AND CONDUCTORS TO ALLOCATE SPACE FOR NEW DUCTWORK FROM ABOVE. PROVIDE NEW JUNCTION BOXES AS REQUIRED. COORDINATE WITH NEW DUCT INSTALLATION.
- 5 REMOVE AND PROTECT EXISTING LUMINAIRE. PREPARE FOR RELOCATION AS SHOWN.
- 6 RELOCATE EXISTING LUMINAIRE AS SHOWN. REUSE EXISTING CONDUIT AND CONDUCTORS WHERE POSSIBLE. EXTEND CONDUIT AND CONDUCTORS WHERE REQUIRED.
- 7 REMOVE EXISTING POWER SUPPLY, INCLUDING CONDUCTORS AND CONDUIT, BACK TO PANEL.

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NICHOLS
MELBURG
ROSSETTO
ARCHITECTS + ENGINEERS

300 KNOLLCREST DRIVE
REDDING, CA. 96002
(530) 222-3300 (530) 222-3538 FAX
http://www.nmrdesign.com

CONSULTANTS



2727 Bechtel Lane - Redding, CA 96002
Ph: (530) 832-6160 - www.frontierce.com

LICENSE STAMPS



PROJECT NAME

HVAC
REPLACEMENT

FOR

SHASTA REGIONAL
TRANSPORTATION
AGENCY

1255 EAST STREET
REDDING, CA 96001

SHEET TITLE

ELECTRICAL PLANS

DRAWING STATUS

DRAWINGS
FOR
CONSTRUCTION

REVISIONS

Sym. Description Date

Drawn By NM

Date Issued 10/02/2023

Scale 1/8" = 1'-0"

Project No. 23-6536

SHEET No.

E200