

Replace Roof, Regional Office Building Sikeston Regional Office (Sikeston, Missouri)



OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

DEPARTMENT OF
Mental Health

DESIGNER: Architect: L2e Solutions
Engineer - MEP: Astral Engineers
Engineer - Struct: IMEG Corp.
Environmental Engineer: John A. Jurgiel and Associates

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

PROJECT NUMBER: M2417-01

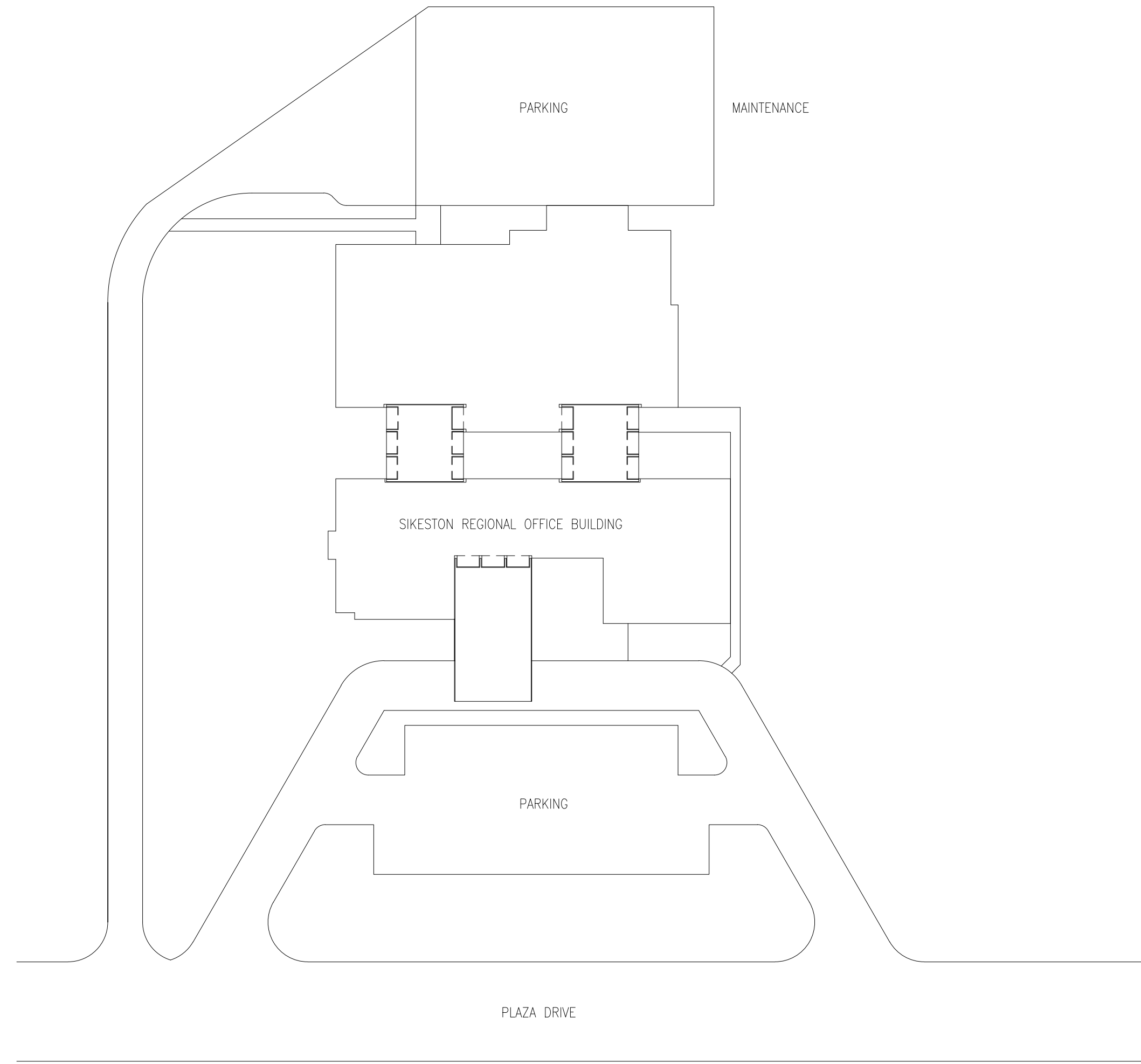
SITE NUMBER: 7366
FACILITY NUMBER: 6517366003



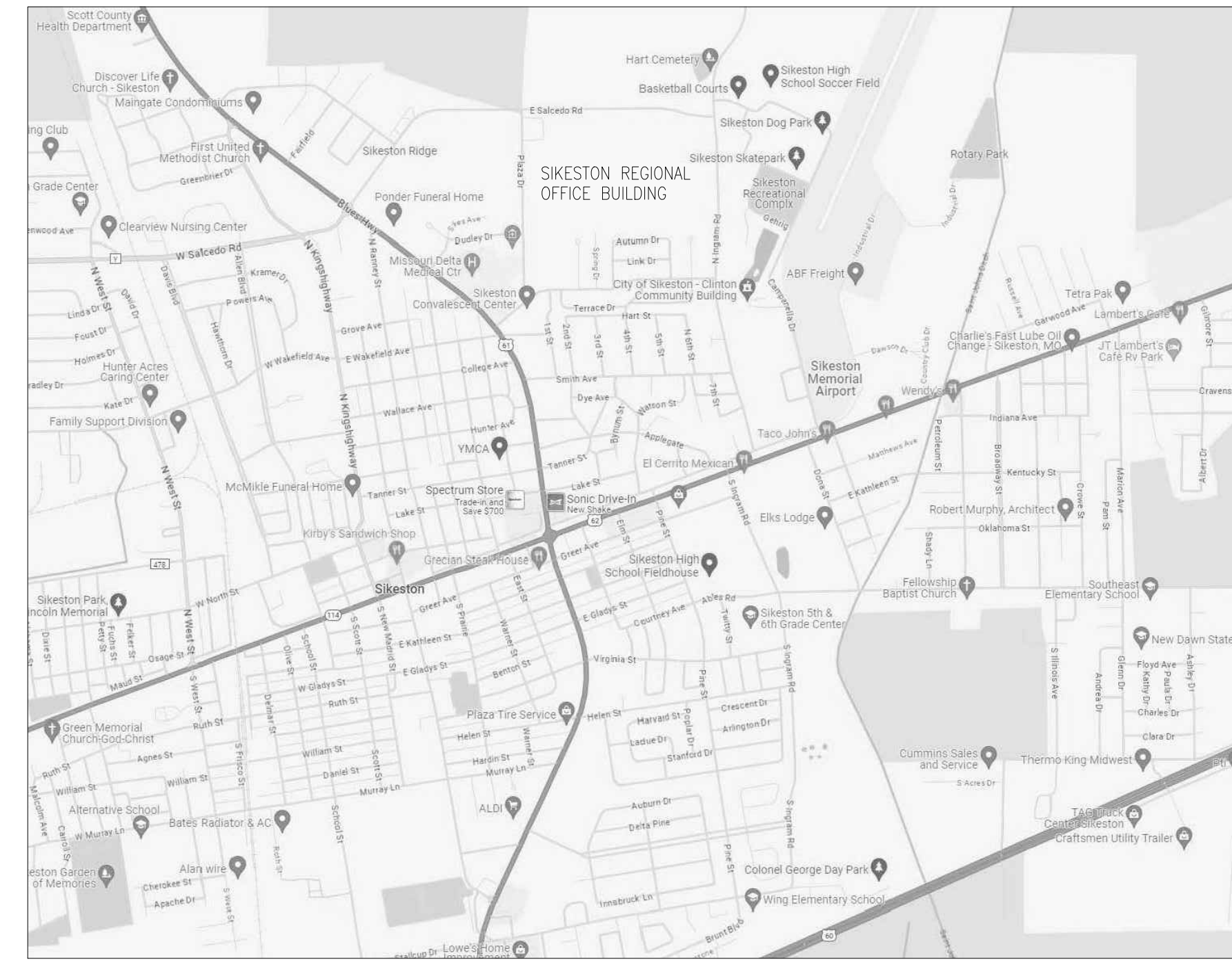
SHEET NUMBER:

G-000

1 OF 11 SHEETS
JUNE 14, 2024



2 OVERALL SITE PLAN - SIKESTON REGIONAL OFFICE BUILDING
G-001 NOT TO SCALE



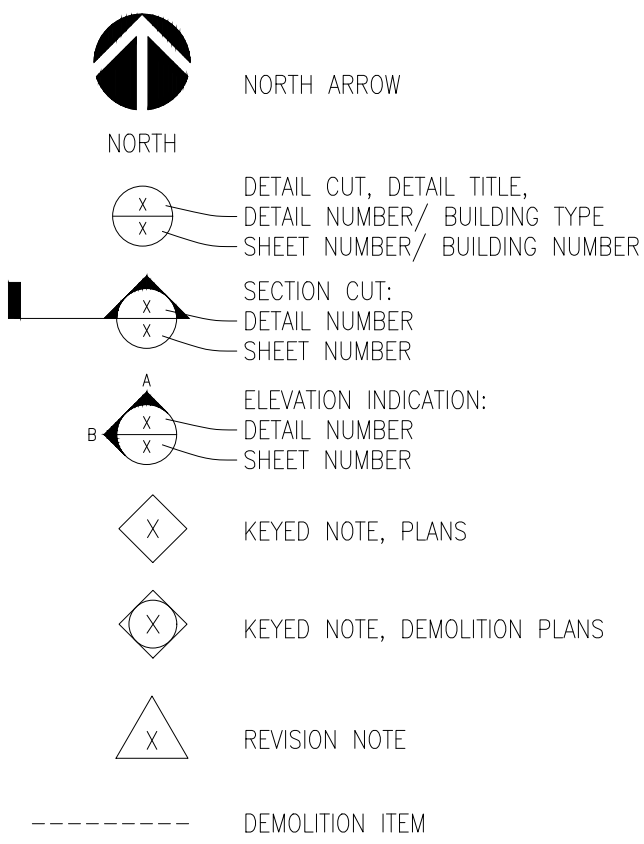
1 LOCATION MAP - SIKESTON REGIONAL OFFICE BUILDING
G-001 112 PLAZA DR. SIKESTON, MO 63801

GENERAL NOTES:

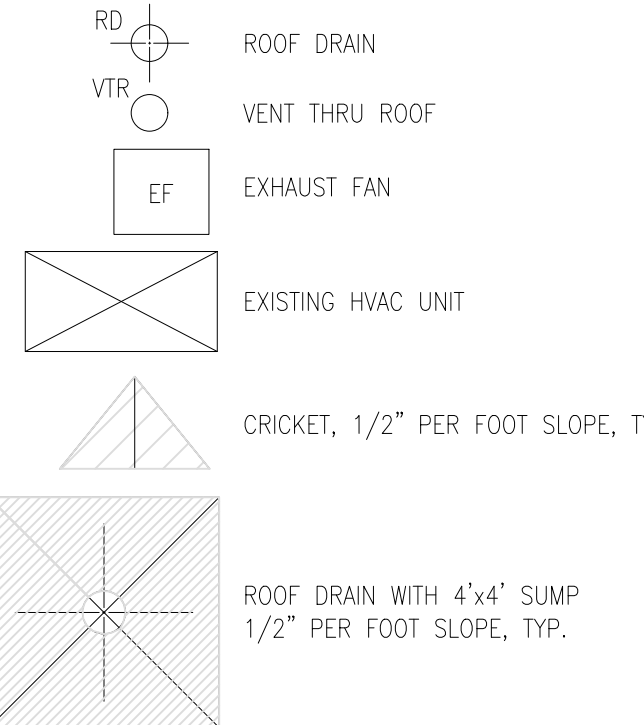
- A. NO ASBESTOS CONTAINING MATERIALS SHALL BE ALLOWED. ASBESTOS MASTICS AND PRIMERS THAT ARE STILL AVAILABLE TODAY SHALL NOT BE USED ON THIS PROJECT.
- B. ALL DETAILS SHALL BE CONSISTENT WITH THE CURRENT NRCA ROOFING AND WATERPROOFING MANUAL. EXTEND FLASHINGS A MINIMUM OF 12 INCHES ABOVE ANY OVERFLOW OR DRAIN AND USE FACTORY MADE PENETRATIONS WHERE POSSIBLE. GALVANIZED MATERIAL WILL NOT BE ALLOWED FOR FLASHINGS AND CORNER CAPS AND ALLOWANCE FOR EXPANSION AND CONTRACTION IN METAL FLASHINGS IS REQUIRED. UMBRELLAS OR HOODS OVER ALL PIPE FLASHINGS FOR EQUIPMENT AND OVER PITCH POCKETS ARE REQUIRED.
- C. INSULATION SYSTEM SHALL BE COMPATIBLE WITH THE APPLICATION AND WARRANTY SPECIFIED. ROOFING MANUFACTURER MUST APPROVE THE INSULATION SYSTEM REQUIRED FOR ROOFING WARRANTY.
- D. A FULL LABOR AND MATERIAL SYSTEM WARRANTY (WEATHER TIGHTNESS) SIGNED BY BOTH THE INSTALLER AND THE MANUFACTURER IS REQUIRED, SEE SPECS.
- E. ALL ROOFING DETAILS MUST BE INSTALLED PER CURRENT NRCA ROOFING AND WATERPROOFING MANUAL, UNLESS APPROVED OTHERWISE BY THE DIRECTOR.
- F. NO ROOFING PROJECT IS TO BEGIN FROM NOVEMBER 1 THROUGH MARCH 1, WITHOUT SPECIFIC APPROVAL FROM DEPUTY DIRECTOR.
- G. A FINAL ROOF INSPECTION THROUGH THE ROOFING SYSTEM MANUFACTURER'S TECHNICAL PERSONNEL SHALL BE SCHEDULED TO INSPECT THE ROOF SYSTEM UPON COMPLETION. CONTRACTOR SHALL REPAIR OR REMOVE AND REPLACE COMPONENTS OF THE ROOFING SYSTEM WHERE INSPECTIONS INDICATE THAT THEY DO NOT COMPLY WITH THE SPECIFIED REQUIREMENTS. DEFECTIVE OR NONCONFORMING CONDITIONS DEFINED AS FOLLOWS, UNLESS MORE STRINGENT CRITERIA IS REQUIRED BY THE ROOFING SYSTEM MANUFACTURER:
 - GULSTER, BUBBLE, CAPILLARIES OR VOIDS: A SPONGY RAISED PORTION OF ROOFING MEMBRANE RESULTING FROM IMPROPER SURFACE PREPARATION, PRESSURE OF ENTRAPPED AIR, ENTRAPPED WATER VAPOR, INADEQUATE ADHESIVE, ADHESIVE BONDING FAILURE, IMPROPER ATTACHMENT METHOD, OR RESULTING FROM CLIMATIC INSTALLATION CONDITIONS. SUCH CONDITIONS SHALL NOT EXCEED FOUR (4) INCHES IN INDIVIDUAL DIAMETER, MULTIPLE OCCURRENCES BE SPACED LESS THAN FORTY EIGHT (48) INCHES ON CENTER OR MULTIPLE OCCURRENCES EXCEEDING SIXTEEN (16) SQUARE INCHES WITHIN ONE HUNDRED FORTY-FOUR (144) SQUARE FEET OF SURFACE AREA.
 - FISHMOUTH: OPENING OR VOID IN LAPPED EDGE OR SEAM.
 - PUNCTURES OR HOLES: CONDITION COMPROMISING SYSTEM WATER TIGHT EFFECTIVENESS.
 - SEAM OR JOINT SEPARATION: UNBONDED EDGE CONDITION WHERE PROBING TOOL PENETRATES LAPPED AREA UNDER FIRM PRESSURE.
 - SLOPE, DRAINAGE, OR PONDING (STANDING WATER): CRITERIA FOR JUDGING PROPER SLOPE FOR DRAINAGE IS NOT PONDING WATER ON ROOF SURFACE FORTY-EIGHT (48) HOURS AFTER PRECIPITATION EVENT DURING CONDITIONS CONDUCIVE TO DRYING.
 - WRINKLES OR DISTORTIONS: SURFACE CONDITION THAT IMPEDE THE PROPER FLOW OF WATER DRAINAGE. INSULATION AND/OR COVER BOARD JOINTS: BUTT JOINTS EXCEEDING 1/4" WIDE OR UNEVEN SURFACES EXCEEDING 1/4" VERTICAL MEASURED IN TRANSITION PLANE.
 - ADDITIONAL INSPECTIONS, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.



STANDARD NOTATION



ROOF SYMBOLS



STANDARD ARCHITECTURAL ABBREVIATIONS

A.B. ANCHOR BOLT	(E) EXISTING ITEM	JAN. JANITOR	REINF. REINFORCED, REINFORCING
A.C.O.S. ACOUSTIC TILE CEILING	E.A. EACH	JT. JOINT	REQ'D REQUIRED
A.C.T. ADJUSTABLE, ADJACENT	E.E.J. EXPANSION JOINT	L.P. LIGHT POLE	REVISION, REVERSED
A.F.F. ABOVE FINISHED FLOOR	ELEC. ELECTRICAL	MAS. MASONRY	REV. RUBBER TILE
ALT. ALTERNATE	ELEV. ELEVATION, ELEVATOR	MAX. MAXIMUM	S&P SHELF AND POLE
ALUM. ALUMINUM	ENG. ENGINEER	M.E. MATCH EXISTING	SC SOLID CORE
ARCH. ARCHITECT	E.P. ELECTRIC PANEL	M.C.H. MECHANICAL	SCHD. SCHEDULE
BC BASE CABINET	E.Q. EQUAL	MFG. MANUFACTURER	SECT. SECTION
BD. BOARD	E.Q.U.P. EQUIPMENT	M.H. MAN HOLE	SEPT. SEPARATE, SEPARATION
BET. BETWEEN	E.W.C. ELECTRIC WATER COOLER	MIN. MINIMUM	SHT. SHEET
BLDG. BUILDING	EXST. EXISTING	MISC. MISCELLANEOUS	SHTG. SHEATHING
BLKG. BLOCKING	EXP. EXPOSED, EXPANSION	M.L.G. MOULDING	SIM. SIMILAR
BM. BEAM	EXT. EXTERIOR	M.O. MASONRY OPENING	SPCS. SPACES
B.O. BY OTHERS	F. FILLER PANEL	M.T. MOUNTED	SPEC. SPECIFICATION(S)
BOT. BOTTOM	F.D. FLOOR DRAIN	MTR. METAL	SQ. SQUARE
BRG. BEARING	FDN. FOUNDATION	MTL. METAL	STL. STEEL
C. CENTERLINE	F.E. FIRE EXTINGUISHER	MTRL. MATERIAL	STOR. STORAGE
CAB. CABINET	F.H. FIRE HYDRANT	(N) NEW ITEM	STRUCT. STRUCTURE, STRUCTURAL
CEM. CEMENT	FIN. FINISH	N.I.C. NOT IN CONTRACT	S.V. SHEET VINYL
C.J. CONTROL JOINT	FLR. FLOOR	No. NUMBER	T&G TONGUE AND GROOVE
CLG. CEILING	FLUOR. FLUORESCENT	NOM.(±) NOMINAL	T/ TERRAZZO
CLOS. CLOSET	F.P.H.B. FREEZE PROOF HOSE BIBB	N.T.S. NOT TO SCALE	TERR. TERRAZZO
CLR. CLEAR	F.R. FIRE RATED	O.C. ON CENTER	THRESH. THRESHOLD
C.M.U. CONCRETE MASONRY UNIT	F.R.T. FIRE RETARDANT TREATED	O.D. OUTSIDE DIAMETER	THRU THROUGH
COL. COLUMN	FT. FOOT, FEET	OPNG. OPENING	TPO THERMOPLASTIC OLEFIN MEMBRANE ROOFING
COMP. COMPACTED, COMPRESSIBLE	FTG. FOOTING	OPP. OPPOSITE	TYP. TYPICAL
CONC. CONCRETE	GA. GAUGE	P.LAM. PLASTIC LAMINATE	U.L. UNDERWRITERS LABORATORY
CONST. CONSTRUCTION	GALV. GALVANIZED	P.LYWD. PLYWOOD	UNLESS OTHERWISE NOTED
CONT. CONTINUOUS	G.C. GENERAL CONTRACTOR	PT. PAINT	V.B. VAPOR BARRIER, VANITY
CORR. CORRIDOR	GR. GRADE	P.V.C. POLY-VINYL CHLORIDE	BASE
CPT. CARPET	GYP. GYPSUM	P.V.T. PAVYER TILE	V.C.T. VINYL COMPOSITION TILE
C.R.C. COLD ROLLED CHANNEL	HC HOLLOW CORE, HANDICAPPED	Q.T. QUARRY TILE	VEST. VESTIBULE
C.T. CERAMIC TILE	HDWR. HARDWARE	(R) RELOCATED ITEM	VERT. VERTICAL
D. DRYER	H.M. HOLLOW METAL	R. RISER, RADIUS	W. WASHER
DB. DRAWER BASE	HR. HORIZONTAL	R.B. RESILIENT BASE	W/ WITH
DEMO. DEMOLITION	HR. HOUR	R.D. ROOF DRAIN	WC WALL CABINET
DET. DETAIL	HT. HEIGHT	R.O. ROUGH OPENING	WD. WOOD
D.F. DRINKING FOUNTAIN	H.V.A.C. HEATING, VENTILATION, AND AIR CONDITIONING	REC. RECESSED	W.H. WATER HEATER
DIA. (ø) DIAMETER	I. INSULATED	REF. REFRIGERATOR	WOLM. WOLMANIZED
DISP. DISPENSER	I.D. INTERIOR DIAMETER	W.F. WATERPROOFING	WATERPROOF(ING)
DS. DOWNSPOUT	INSUL. INSULATION	W.T. WOOD TILE	W.W.F. WELDED WIRE FABRIC
DWG. DRAWING	INT. INTERIOR		

NOTE: NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY BE USED

DRAWING INDEX

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6	A-500	DETAILS
7	A-501	DETAILS
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10	ME-201	MECH/ELEC ROOF PLAN - REMODEL
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MECHANICAL:

ALTERNATES:

ALTERNATE NO. 1: EXISTING CONCRETE BARREL VAULT ROOFS (3) TO BE CLEANED, POWER-WASHED AND RECOATED WITH A WHITE ELASTOMERIC COATING. ALL EXPOSED EXTERIOR CONCRETE SURFACES ASSOCIATED WITH THE EXISTING CONCRETE BARREL VAULTS ARE TO BE INCLUDED IN THE ALTERNATE; INCLUDING BUT NOT LIMITED TO CURBS, FASCIA, AND THE EXTERIOR UNDERSIDE OVERHANGS OF BARREL VAULTS.

CODE INFORMATION

(ICC) INTERNATIONAL BUILDING CODE (2021 EDITION)
 (ICC) INTERNATIONAL EXISTING BUILDING CODE (2021 EDITION)
 (NFPA) NATIONAL FIRE PROTECTION ASSOCIATION 70 (2021 EDITION)
 (NFPA) NATIONAL FIRE PROTECTION ASSOCIATION 101 LIFE SAFETY CODE (2021 EDITION)
 2021 ICC INTERNATIONAL ENERGY CONSERVATION CODE
 NATIONAL ELECTRICAL CODE (2023 EDITION)
 INTERNATIONAL MECHANICAL CODE (2021 EDITION)
 INTERNATIONAL PLUMBING CODE (2021 EDITION)
 ENERGY CONSERVATION CODE - ASHRAE 90.1 (2022 EDITION)
 NRCA ROOFING AND WATERPROOFING MANUAL
 ARCHITECT/ENGINEER'S ROOF DESIGN GUIDELINES - MISSOURI DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

PROJECT INFORMATION:
 SIKESTON REGIONAL OFFICE BUILDING - 1-STORY BUILDING WITH INTERNAL ROOF DRAINS

STATE OF MISSOURI
 MICHAEL L. PARSON,
 GOVERNOR



STATE OF MISSOURI
 CERTIFICATE OF AUTHORITY #2018019473

ARCHITECT
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 ENGINEER - STRUCT
 IMEG CORP.
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 DIVISION OF FACILITIES
 MANAGEMENT,
 DESIGN AND CONSTRUCTION

DEPARTMENT OF
 MENTAL HEALTH

REPLACE ROOF
 REGIONAL OFFICE BUILDING
 SIKESTON REGIONAL OFFICE
 SIKESTON, MISSOURI

PROJECT # M2417-01
 SITE # 7366
 ASSET # 6517366003

REVISION:-
 DATE:-
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 REVISION:-
 DATE:-
 ISSUE DATE: JUNE 14, 2024

CAD DWG FILE: G-001
 DRAWN BY: EL
 CHECKED BY: EL
 DESIGNED BY: EL

SHEET TITLE:
 PROJECT
 INFORMATION

SHEET NUMBER:

G-001

2 OF 11 SHEETS
 JUNE 14, 2024



STATE OF MISSOURI
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ISSUE DATE: June 14, 2024

CAD DWG FILE: _____
DRAWN BY: RAJ
CHECKED BY: GKJ
DESIGNED BY: GKJ

SHEET TITLE:
**ASBESTOS ROOF
PLAN - FLASHING
ABATEMENT**

SHEET NUMBER:

H-101

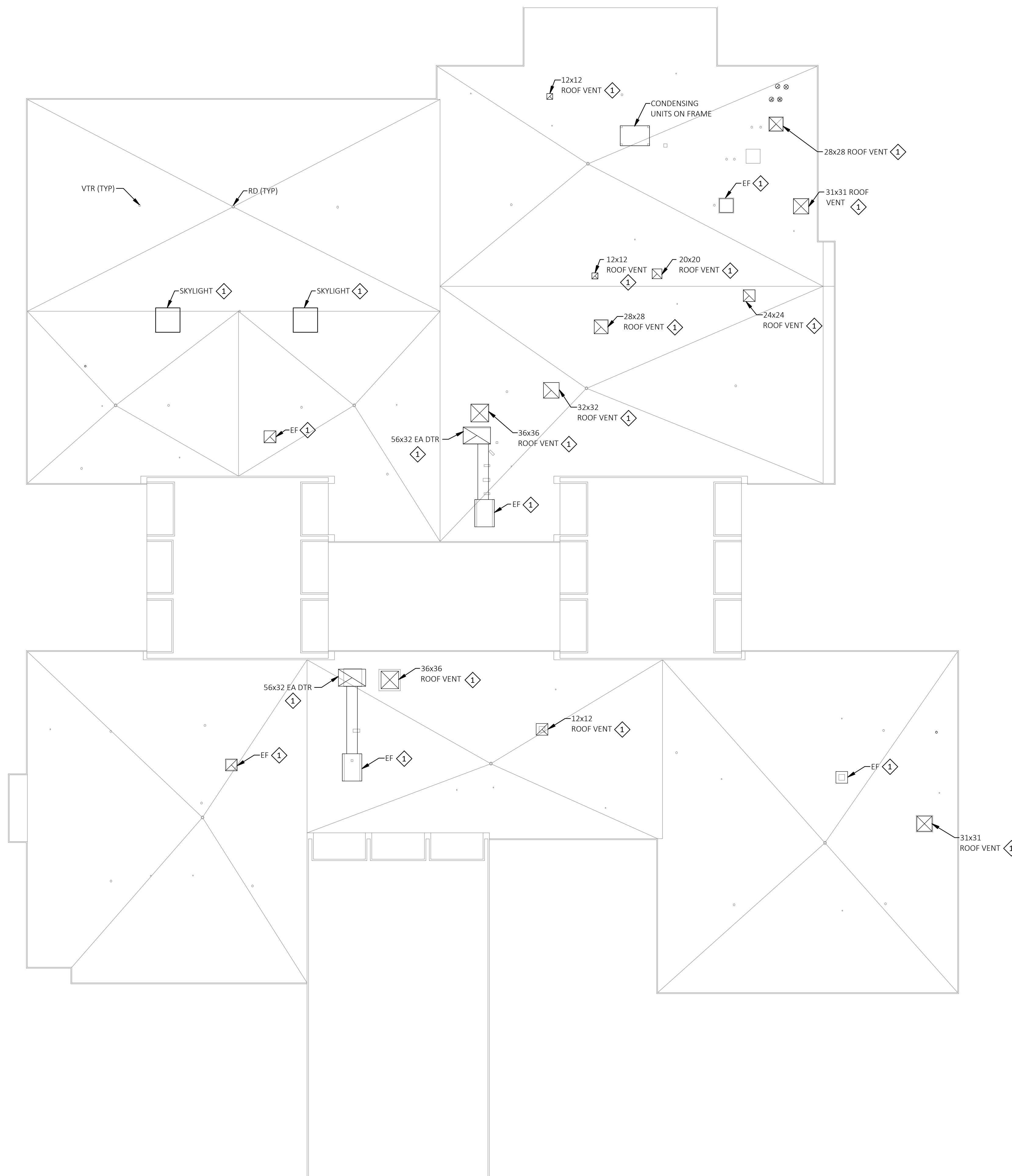
3 OF 11 SHEETS
June 14, 2024

GENERAL NOTES - SHEET H-101

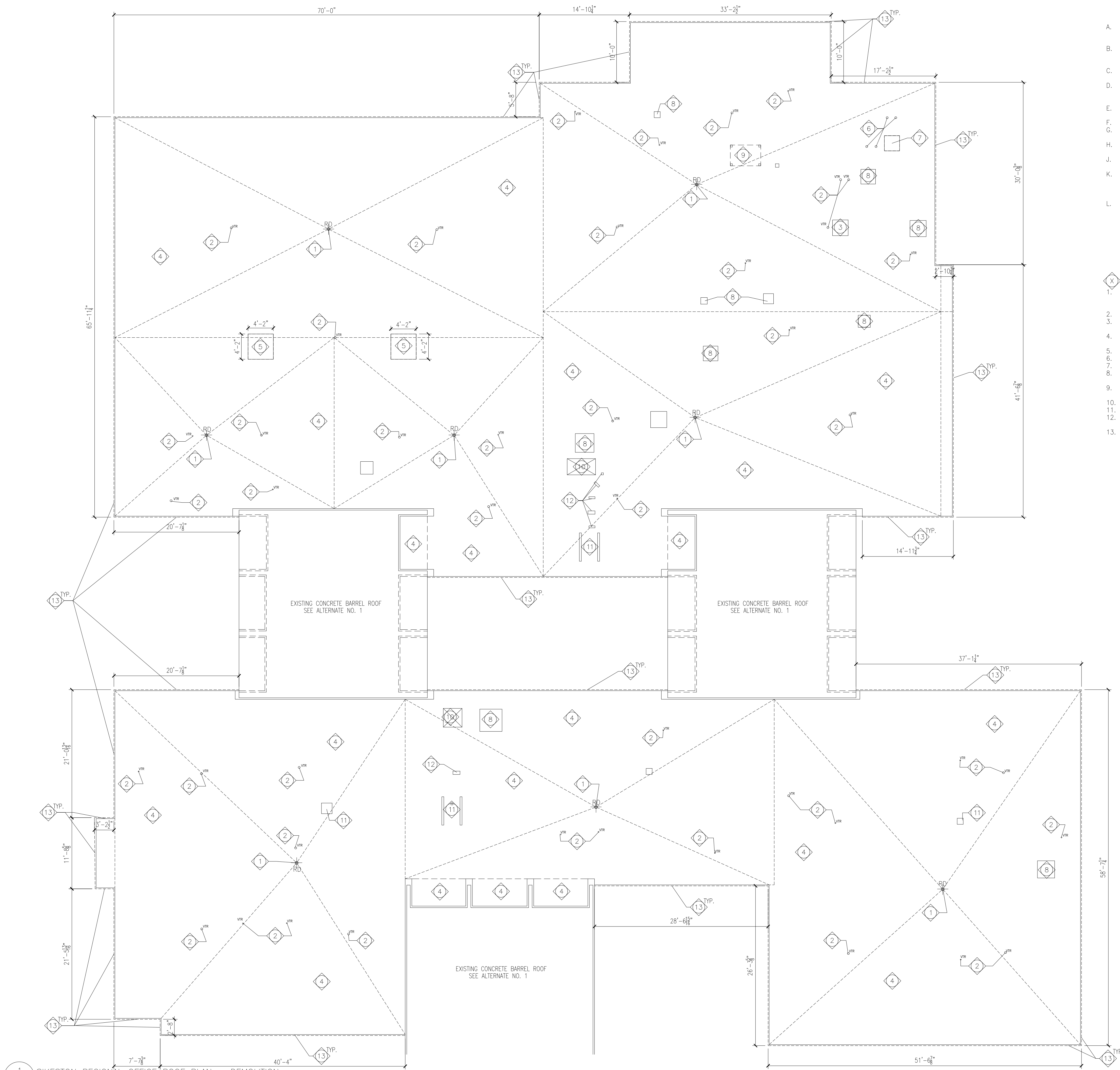
NUMBER	TEXT
1.	THE ABATEMENT SCOPE OF WORK CONSISTS OF REMOVING NON-FRIABLE ASBESTOS ROOFING MATERIALS FROM CURBS OF TWO SKYLIGHTS, EXHAUST/ROOF VENTS, HVAC UNITS, ETC. ROOFING MATERIALS WILL BE REMOVED USING HAND TOOLS INSIDE A REGULATED AREA.
2.	POWER TOOLS WILL BE PROHIBITED FROM USE.
3.	ALL ABATEMENT WORK SHALL BE CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS AND THE SPECIFICATIONS.
4.	THE LOCATIONS AND QUANTITIES OF ASBESTOS MATERIALS SHALL BE FIELD VERIFIED BY THE ABATEMENT CONTRACTOR.
5.	ALL ABATEMENT WORK SHALL BE CONDUCTED DURING DAYLIGHT HOURS (7:00 AM TO 5:00 PM) MONDAY - FRIDAY, EXCLUDING STATE HOLIDAYS. WORK SCHEDULES SHALL BE COORDINATED WITH THE FMDC REPRESENTATIVE.
6.	THE ABATEMENT CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN AND ABATEMENT SCHEDULE WITH THE REQUIRED SUBMITTALS.
7.	THE LOCATIONS OF WASTE DISPOSAL CONTAINERS AND LOADOUT PROCEDURES SHALL BE FIELD VERIFIED WITH THE OFFICE BUILDING'S REPRESENTATIVE.
8.	STRICT COORDINATION BETWEEN THE ABATEMENT CONTRACTOR AND ROOFING CONTRACTOR WILL BE REQUIRED FOR SUCCESSFUL COMPLETION OF THE WORK.
9.	FALL PROTECTION REQUIREMENTS WILL BE DETERMINED AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING THE ASBESTOS REMOVAL OPERATIONS TO IMPLEMENT.

KEYNOTES - SHEET H-101

NUMBER	TEXT
1	ABATE NON-FRIABLE ASBESTOS ROOFING MATERIALS FROM 22 SEPARATE CURBS OF TWO SKYLIGHTS, ALL EXHAUST/ROOF VENTS, HVAC UNITS, ETC., DOWN TO THE SUBSTRATE USING HAND TOOLS INSIDE A REGULATED AREA. THE REMOVAL WILL INCLUDE, BUT IS NOT LIMITED TO, ROLLED ASPHALT ROOFING, TAR PAPER, FELT PAPER, BITUMINOUS ROOFING TAR, ETC. ASBESTOS ROOFING MATERIALS MUST BE REMOVED A MINIMUM OF 12" AROUND THE CIRCUMFERENCE OF THE CURBS. AIR INTAKES SHALL BE COVERED WITH 4 OR 6 MIL POLY SHEETING WITHIN 25 FEET RADIUS OF THE ASBESTOS REMOVAL WORK.
	- 150 SF TOTAL OF ASBESTOS ROOFING MATERIALS FROM CURBS



1 ASBESTOS ROOF PLAN - FLASHING ABATEMENT
1" = 10'-0"



GENERAL NOTES - ROOF PLAN:

- A. THE CONTRACTOR IS TO VISIT THE SITE DURING THE BIDDING PERIOD AND IS TO ADVISE THE ARCHITECT OF ANY SITUATION OR DISCREPANCY WHICH WILL NOT ALLOW SUCCESSFUL COMPLETION OF THE WORK. THE ARCHITECT'S DECISION WILL CLARIFY THE SCOPE OF WORK.
- B. INFORMATION IS TAKEN FROM OWNER PROVIDED AS-BUILT DOCUMENTS AND SITE INVESTIGATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK.
- C. PRIOR TO BIDDING, CONTRACTOR IS REQUIRED TO BE FAMILIAR ON SITE WITH THE STATUS OF THE EXISTING ROOF AND VERIFY ALL INFORMATION INDICATED IN THE DOCUMENTS.
- D. CONTRACTOR SHALL VERIFY LOCATION OF ROOF DRAINS AND ROOF SLOPES FOR PROPER DRAINAGE OF ROOF, EXHAUST FANS, PITCH FANS, VENT STACKS, AND ALL MECHANICAL, PLUMBING, ELECTRICAL AND SECURITY SECURITY ITEMS THROUGH OR ON THE ROOF.
- E. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING ITEMS TO REMAIN DURING DEMOLITION AND NEW CONSTRUCTION.
- F. PATCH EXISTING TO MATCH ADJACENT MATERIALS WHERE DEMOLITION AND NEW CONSTRUCTION OCCUR.
- G. DIMENSIONS ARE +/- AND ARE SHOWN FOR INFORMATION ONLY, FIELD VERIFY.
- H. ALL DIMENSIONS REQUIRED FOR WORK SHALL BE VERIFIED BY CONTRACTOR IN THE FIELD PRIOR TO WORK.
- I. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED AS DIRECTED BY THE MANUFACTURER, UNLESS INDICATED OTHERWISE.
- J. CURRENT STANDARDS OF ROOFING INSTALLATION, CONSTRUCTION AND WATERPROOFING, NRCA AND ASHRAE APPLY TO THE PERFORMANCE AND DETAILS OF ROOFING CONSTRUCTION INDICATED IN THESE DOCUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE FACILITY TO ESTABLISH PROCEDURES FOR THE CONTROLLED ENTRY OF MEN AND MATERIALS INTO THE WORK AREA AND SHALL COMPLY WITH ALL RULES AND REGULATIONS ESTABLISHED BY THE FACILITY. THE INTERRUPTION OF SECURITY AND COMMUNICATIONS WILL NOT BE PERMITTED.
- L. CONTRACTOR TO VERIFY THICKNESS AND SLOPE OF EXISTING ROOFING INSULATION PRIOR TO DEMOLITION AND SUBMITTAL OF ROOF INSULATION PLAN. EXISTING RE-ROOFING DESIGN DRAWINGS FROM 1996 INDICATE EXISTING INSULATION IS TAPERED. CONTRACTOR TO FIELD VERIFY THAT EXISTING INSULATION IS TAPERED TO THE EXISTING INTERNAL ROOF DRAINAGE SYSTEM.

KEYED NOTES - ROOF PLAN:

- 1. RD (TYP) - EXISTING ROOF DRAIN LOCATIONS TO REMAIN, COORDINATE ROOF DRAIN ELEVATION WITH NEW MEMBRANE ROOFING SYSTEM, ADJUST ROOF DRAIN ELEVATION AS REQUIRED FOR NEW TPO ROOFING SYSTEM AND TAPERED INSULATION INSTALLATION TO PROVIDE PROPER DRAINAGE, SEE MEP.
- 2. VTR (TYP) - EXISTING VENT THRU ROOF LOCATION TO REMAIN, SEE MEP.
- 3. REMOVE EXISTING MECHANICAL UNIT AS REQUIRED FOR THE INSTALLATION OF THE NEW ROOF SYSTEM, SEE MEP.
- 4. REMOVE EXISTING ROOF SYSTEM AND INSULATION IN ITS ENTIRETY DOWN TO THE EXISTING LIGHT-WEIGHT CONCRETE DECK.
- 5. REMOVE EXISTING 4"x4" SKYLIGHTS IN THEIR ENTIRETY, SEE STRUCTURAL DETAIL FOR INFILL REQUIREMENTS.
- 6. EXISTING EXHAUST PIPE VENT THRU ROOF LOCATION TO REMAIN, SEE MEP.
- 7. REMOVE EXISTING METAL PLATE CAP AND CAP BELOW NEW ROOFING SYSTEM.
- 8. REMOVE EXISTING ROOF VENT EQUIPMENT AS REQUIRED FOR THE INSTALLATION OF THE NEW ROOF SYSTEM, SEE MEP.
- 9. CONDENSING UNITS ON EXISTING METAL FRAMING, REMOVE AS REQUIRED FOR THE INSTALLATION OF THE NEW ROOFING SYSTEM AND INSULATION.
- 10. EXISTING DUCT THRU ROOF, SEE MEP.
- 11. REMOVE EXISTING EXHAUST FAN AS REQUIRED FOR THE INSTALLATION OF THE NEW ROOF SYSTEM, SEE MEP.
- 12. REMOVE EXISTING SUPPORT CURBS AS REQUIRED FOR THE INSTALLATION OF THE NEW ROOF SYSTEM, SEE MEP.
- 13. REMOVE EXISTING 2-PART PERIMETER METAL ROOF FLASHING SYSTEM. METAL WALL PANEL TO REMAIN AS EXISTING. PROTECT DURING ROOF FLASHING DEMOLITION.

1 SIKESTON REGIONAL OFFICE ROOF PLAN - DEMOLITION
AD-100 1/8" = 1'-0"

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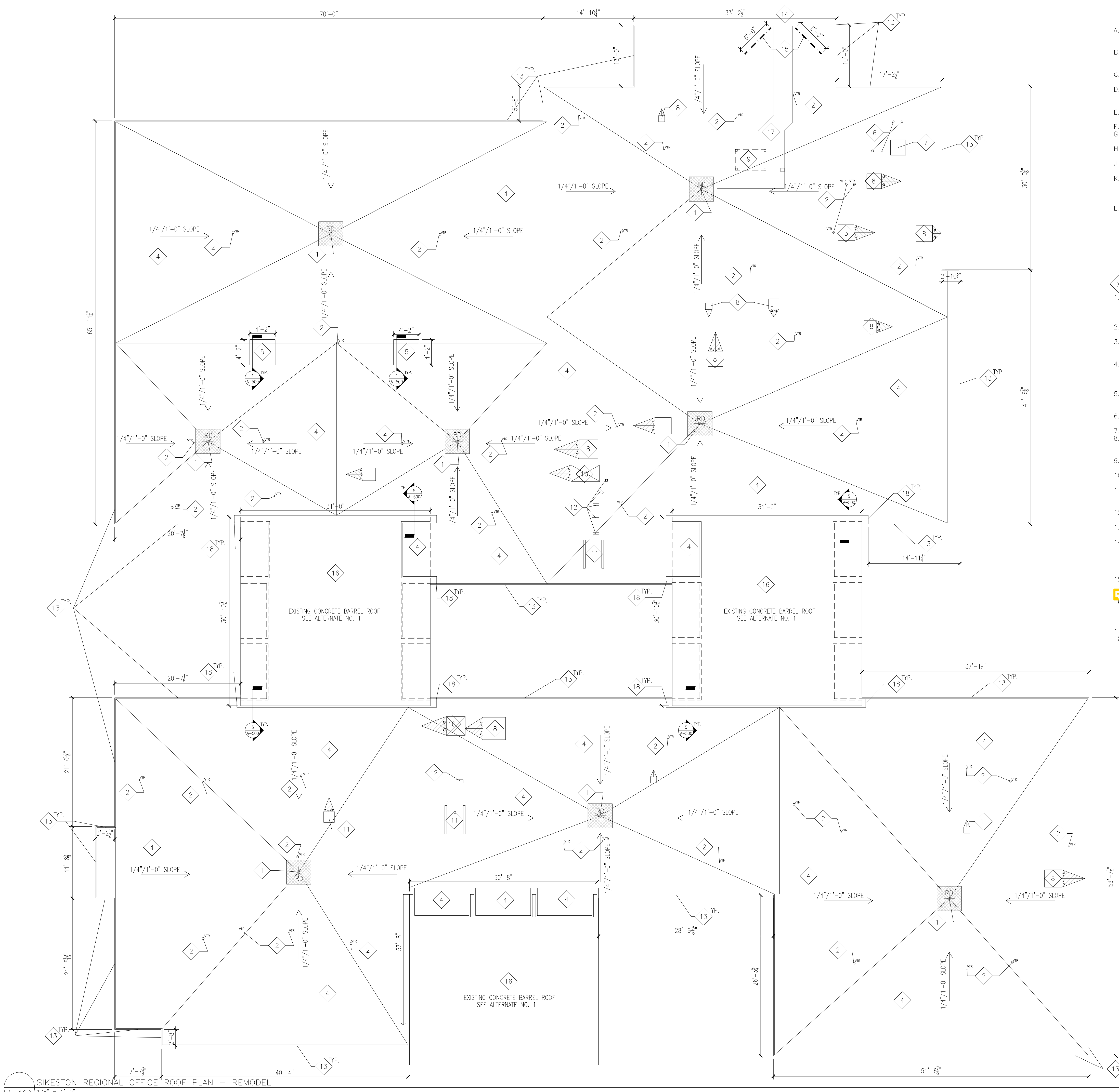
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DRAWN BY: EL
CHECKED BY: EL
DESIGNED BY: EL

SHEET TITLE:
**ROOF PLAN -
DEMOLITION**

SHEET NUMBER:
AD-100

4 OF 11 SHEETS
JUNE 14, 2024





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- L. CONTRACTOR TO VERIFY THICKNESS AND SLOPE OF EXISTING ROOFING INSULATION PRIOR TO DEMOLITION AND SUBMITTAL OF ROOF INSULATION PLAN. EXISTING RE-ROOFING DESIGN DRAWINGS FROM 1996 INDICATE EXISTING INSULATION IS TAPERED. CONTRACTOR TO FIELD VERIFY THAT EXISTING INSULATION IS TAPERED TO THE EXISTING INTERNAL ROOF DRAINAGE SYSTEM.

KEYED NOTES – ROOF PLAN:

- 1. RD (TYP) – EXISTING ROOF DRAIN LOCATIONS TO REMAIN, COORDINATE ROOF DRAIN ELEVATION WITH NEW MEMBRANE ROOFING SYSTEM, ADJUST ROOF DRAIN ELEVATION AS REQUIRED FOR NEW TPO ROOFING SYSTEM AND TAPERED INSULATION INSTALLATION TO PROVIDE PROPER DRAINAGE. PROVIDE 1/2" PER FOOT SLOPE SLUMP AT 4'x4' AREA AROUND ROOF DRAIN LOCATIONS. SEE DETAIL 3/A-500
- 2. VTR (TYP.) – EXISTING VENT THRU ROOF LOCATION TO REMAIN, PROVIDE NEW BOOT/FLASHING WITH INSTALLATION OF NEW TPO ROOFING SYSTEM AND TAPERED INSULATION. SEE DETAIL 2/A-500.
- 3. REINSTALL EXISTING MECHANICAL UNIT AS REQUIRED FOR THE INSTALLATION OF THE NEW TPO ROOF SYSTEM. SEE MEP. EXTEND EQUIPMENT CURBS AND FLASH AS REQUIRED TO PROVIDE FOR THE WATER-TIGHT INSTALLATION OF THE NEW TPO ROOFING SYSTEM AND TAPERED INSULATION.
- 4. NEW SINGLE-PLY TPO ROOFING MEMBRANE SYSTEM OVER 30 MIN. TAPERED ROOF INSULATION, MECH FASTENED OVER EXISTING LIGHT-WEIGHT CONCRETE DECK. TAPERED INSULATION TO PROVIDE 1/4" PER FOOT SLOPE TO ROOF DRAIN LOCATIONS. SEE DETAIL 4/A-500 FOR NEW AND EXISTING CONDITIONS. FLASH PER ROOF MFR. AT ALL PENETRATIONS TO ENSURE WEATHER-TIGHT INSTALLATION.
- 5. INFILL SKYLIGHT OPENINGS WITH 1 1/2" TYPE B (20 GA) STEEL DECKING SPANNING TO NEW CONTINUOUS ANGLES WELDED TO EXISTING STEEL ANGLE. SEE STRUCTURAL DETAIL 1/A-500. CONTRACTOR TO SUBMIT DECK AND ANGLE SHOP DRAWINGS FOR DESIGN TEAM REVIEW.
- 6. EXISTING EXHAUST PIPE VENT THRU ROOF LOCATION TO REMAIN, PROVIDE NEW BOOT/FLASHING WITH INSTALLATION OF NEW TPO ROOFING SYSTEM AND TAPERED INSULATION. SEE DETAIL 2/A-500.
- 7. EXISTING METAL PLATE CAP, CAP BELOW ROOFING SYSTEM AND EXTEND INSULATION AND ROOFING SYSTEM.
- 8. REINSTALL EXISTING ROOF VENT EQUIPMENT AS REQUIRED AFTER THE INSTALLATION OF THE NEW ROOF SYSTEM. SEE MEP. EXTEND EQUIPMENT CURBS AND FLASH AS REQUIRED TO PROVIDE FOR THE WATER-TIGHT INSTALLATION OF THE NEW TPO ROOFING SYSTEM AND TAPERED INSULATION.
- 9. CONDENSING UNITS ON EXISTING METAL FRAMING, FLASH AS REQUIRED TO PROVIDE FOR THE WATER-TIGHT INSTALLATION OF THE NEW TPO ROOFING SYSTEM AND TAPERED INSULATION. SEE MEP.
- 10. EXISTING DUCT THRU ROOF, FLASH AS REQUIRED TO PROVIDE FOR THE WATER-TIGHT INSTALLATION OF THE NEW TPO ROOFING SYSTEM AND TAPERED INSULATION. SEE MEP.
- 11. REINSTALL EXISTING EXHAUST FAN AS REQUIRED AFTER THE INSTALLATION OF THE NEW ROOF SYSTEM. SEE MEP. EXTEND EQUIPMENT CURBS AND FLASH AS REQUIRED TO PROVIDE FOR THE WATER-TIGHT INSTALLATION OF THE NEW TPO ROOFING SYSTEM AND TAPERED INSULATION.
- 12. PROVIDE NEW SUPPORT CURBS AND FLASH AS REQUIRED TO PROVIDE FOR THE WATER-TIGHT INSTALLATION OF THE NEW TPO ROOFING SYSTEM AND TAPERED INSULATION.
- 13. NEW 2-PART PERIMETER METAL ROOF FLASHING/FASCIA SYSTEM. NEW METAL FLASHING/FASCIA TO MATCH EXISTING PERIMETER METAL WALL PANELS THAT ARE TO REMAIN. SEE DETAIL 6/A-500.
- 14. NEW PRE-MANUFACTURED METAL ROOF CAGE LADDER LOCATION. ATTACH TO EXISTING MASONRY WALL CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING LADDER ELEVATION (+/-12"-8") FROM ASPHALT PARKING LOT SURFACE TO ROOF EDGE. LADDER TO BE ATTACHED TO EXISTING CONSTRUCTION PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE A LOCKING SAFETY CAGE WITH LADDER INSTALLATION. SEE SHEET A-501 FOR LADDER DETAILS.
- 15. NEW 6' (L) X 3'-6" (H) PRE-MANUFACTURED METAL ROOF-TOP GUARDRAIL PANEL SYSTEM. OSHA-COMPLIANT, MODULAR, NON-PENETRATING ROOF GUARDRAIL SYSTEM WITH WEIGHTED BASE PLATES. INSTALL PER MFR.
- 16. ALTERNATE NO. 1: EXIST. CONCRETE BARREL VAULT ROOF TO BE CLEANED, POWER-WASHED AND RECOATED WITH A WHITE ELASTOMERIC COATING. ALL EXPOSED EXTERIOR CONCRETE SURFACES ASSOCIATED WITH THE EXISTING CONCRETE BARREL VAULTS ARE TO BE INCLUDED, INCLUDING BUT NOT LIMITED TO CURBS, FASCIA, AND THE UNDERSIDE OF THE BARREL VAULT OVERHANGS.
- 17. 3'-0" WIDE TPO ROOFING WALKWAY PADS. WALKWAY TO BE LOCATED FROM LADDER TO EXISTING MECH UNIT.
- 18. INSTALL NEW METAL FLASHING AT EXISTING REGLET AND SEAL, FLASH AND COUNTER FLASH INTO NEW SINGLE-PLY TPO ROOF MEMBRANE SYSTEM PER MFR. RECOMMENDATIONS. TYP. AT EXISTING BARREL VAULT CONCRETE CURB EDGE LOCATIONS.

1 SIKESTON REGIONAL OFFICE ROOF PLAN – REMODEL
A-100 1/8" = 1'-0"

STATE OF MISSOURI
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DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
MENTAL HEALTH

REPLACE ROOF
REGIONAL OFFICE BUILDING
SIKESTON REGIONAL OFFICE
SIKESTON, MISSOURI

PROJECT # M2417-01
SITE # 7366
ASSET # 6517366003

REVISION:-
DATE:-
REVISION:-
DATE:-
REVISION:-
DATE:-
ISSUE DATE: JUNE 14, 2024

CAD DWG FILE: A-100
DRAWN BY: EL
CHECKED BY: EL
DESIGNED BY: EL

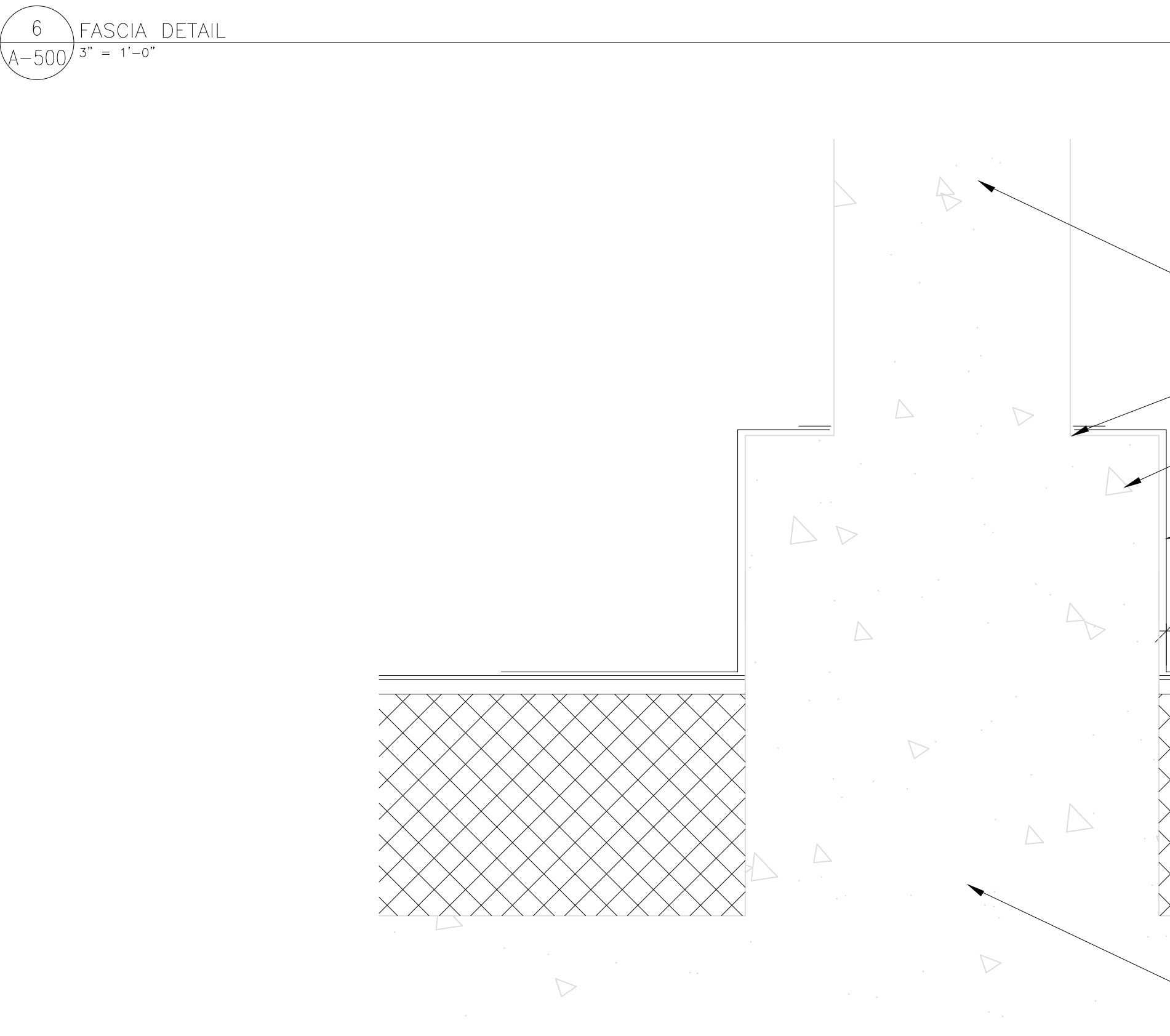
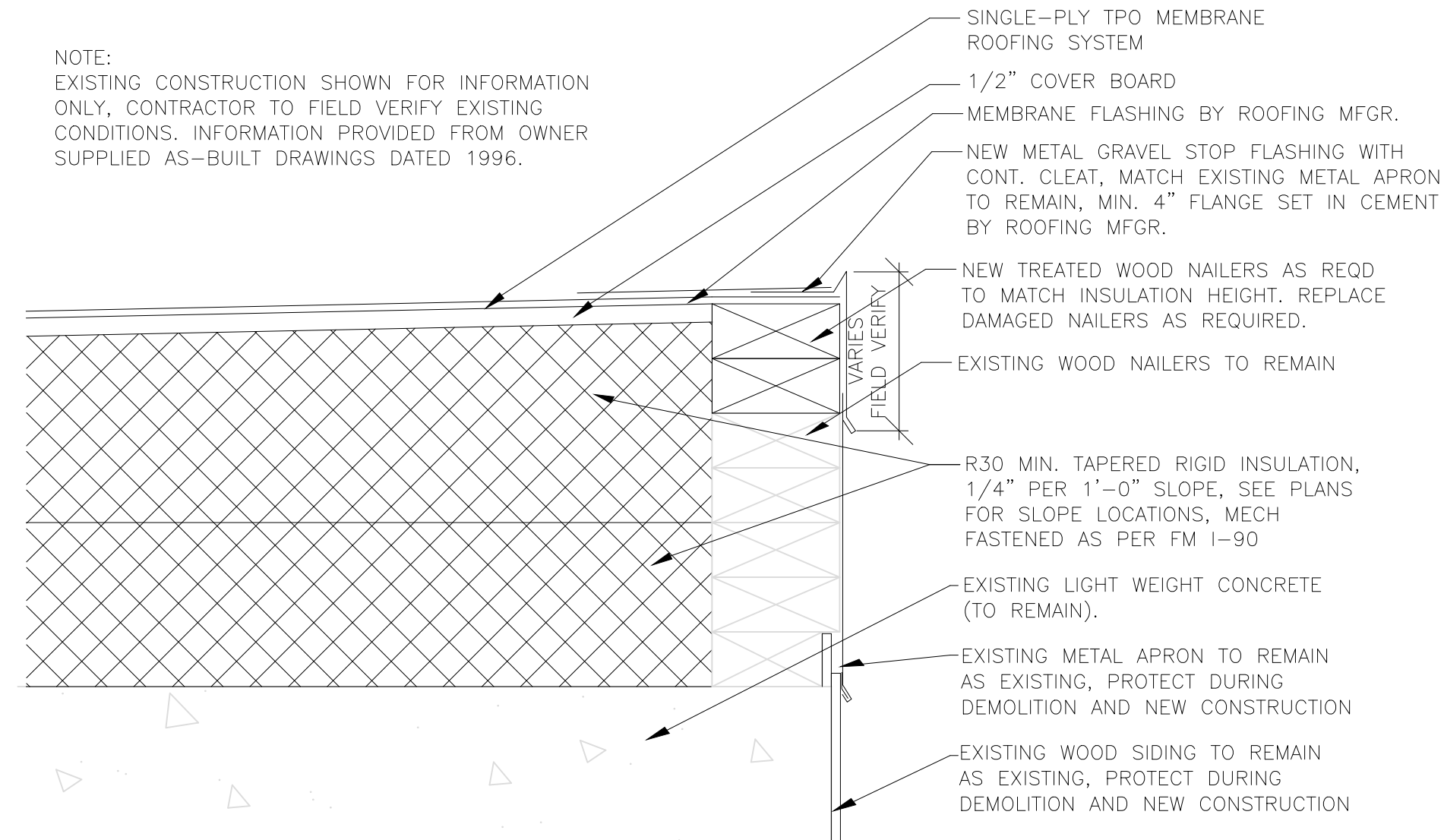
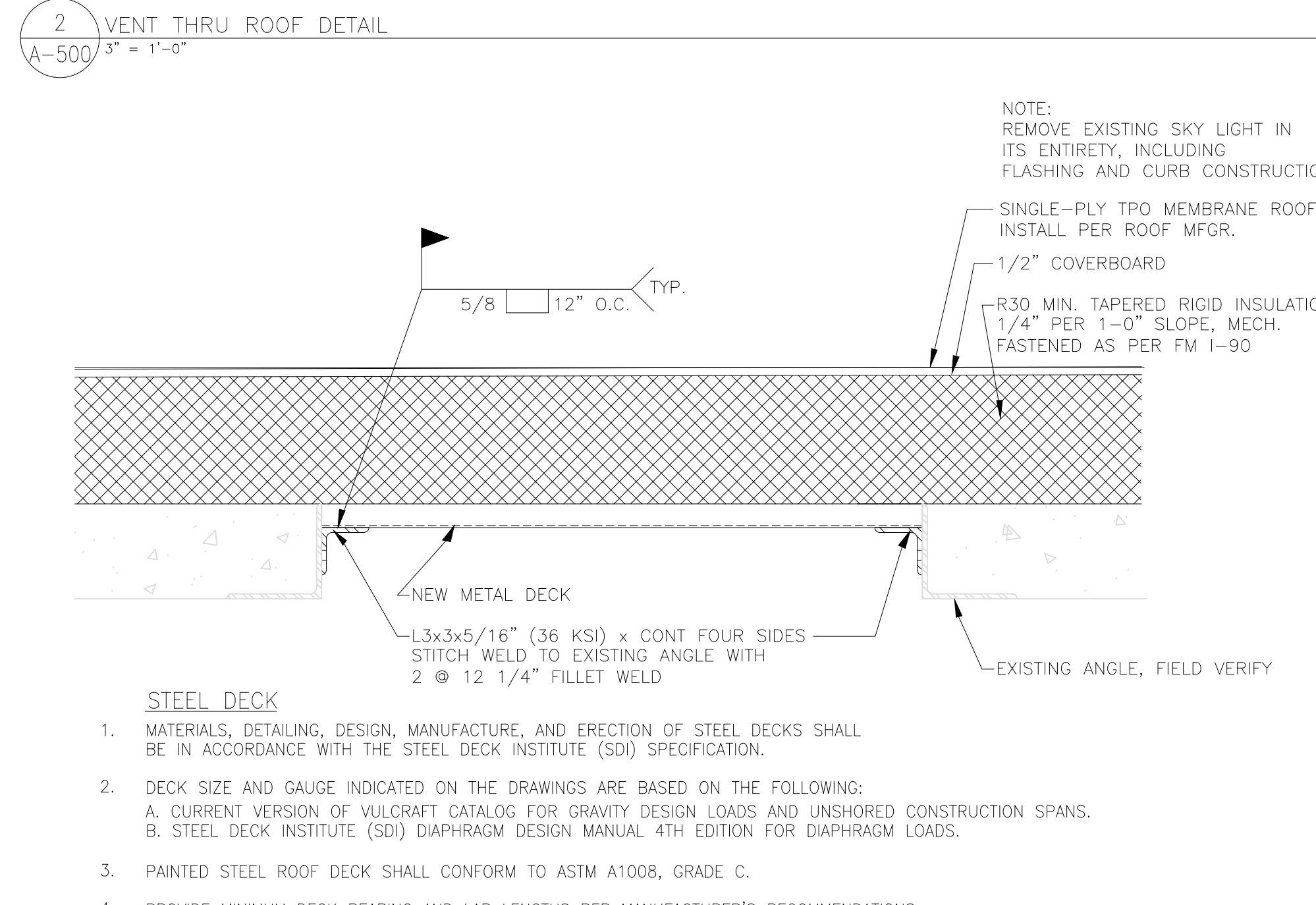
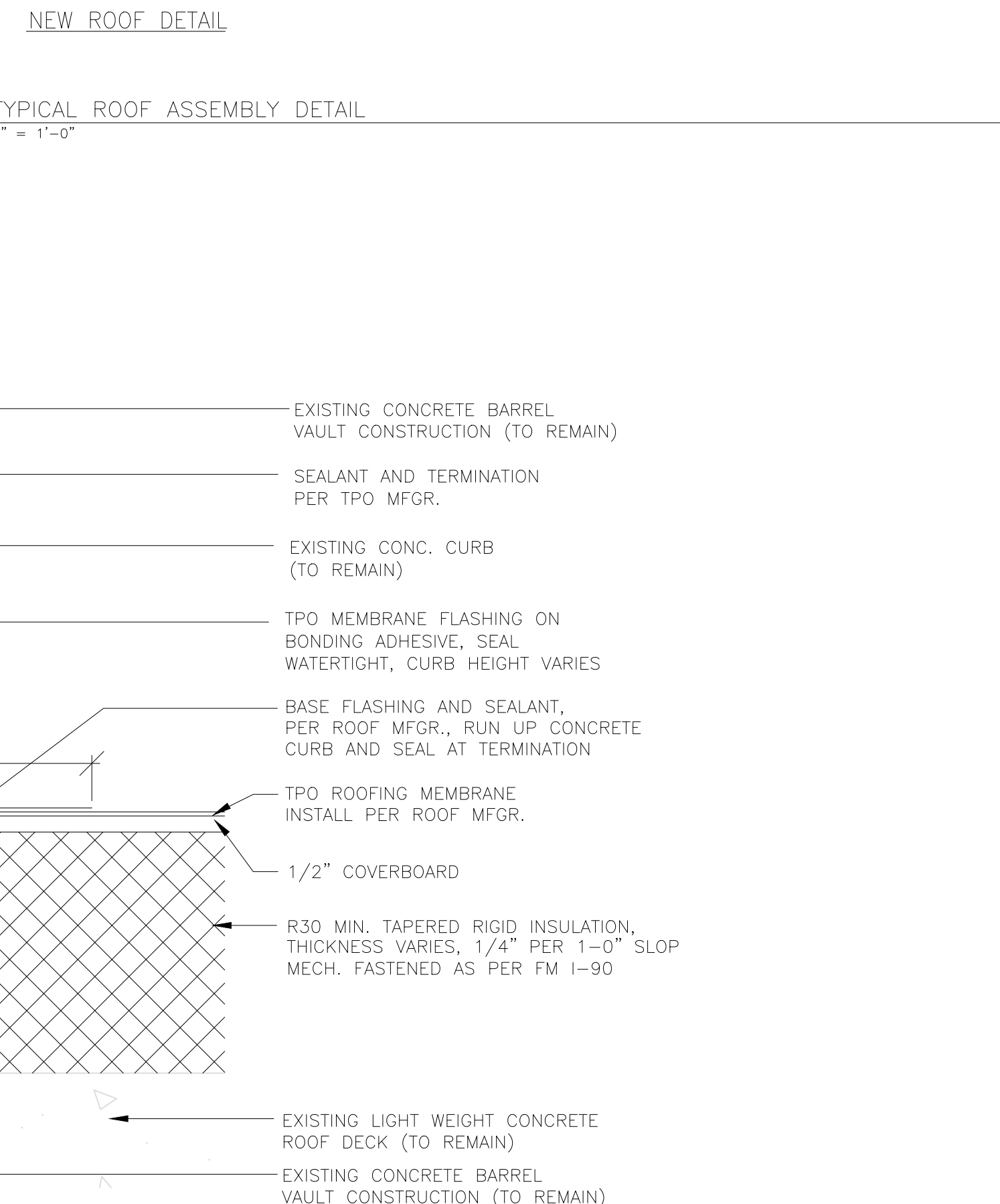
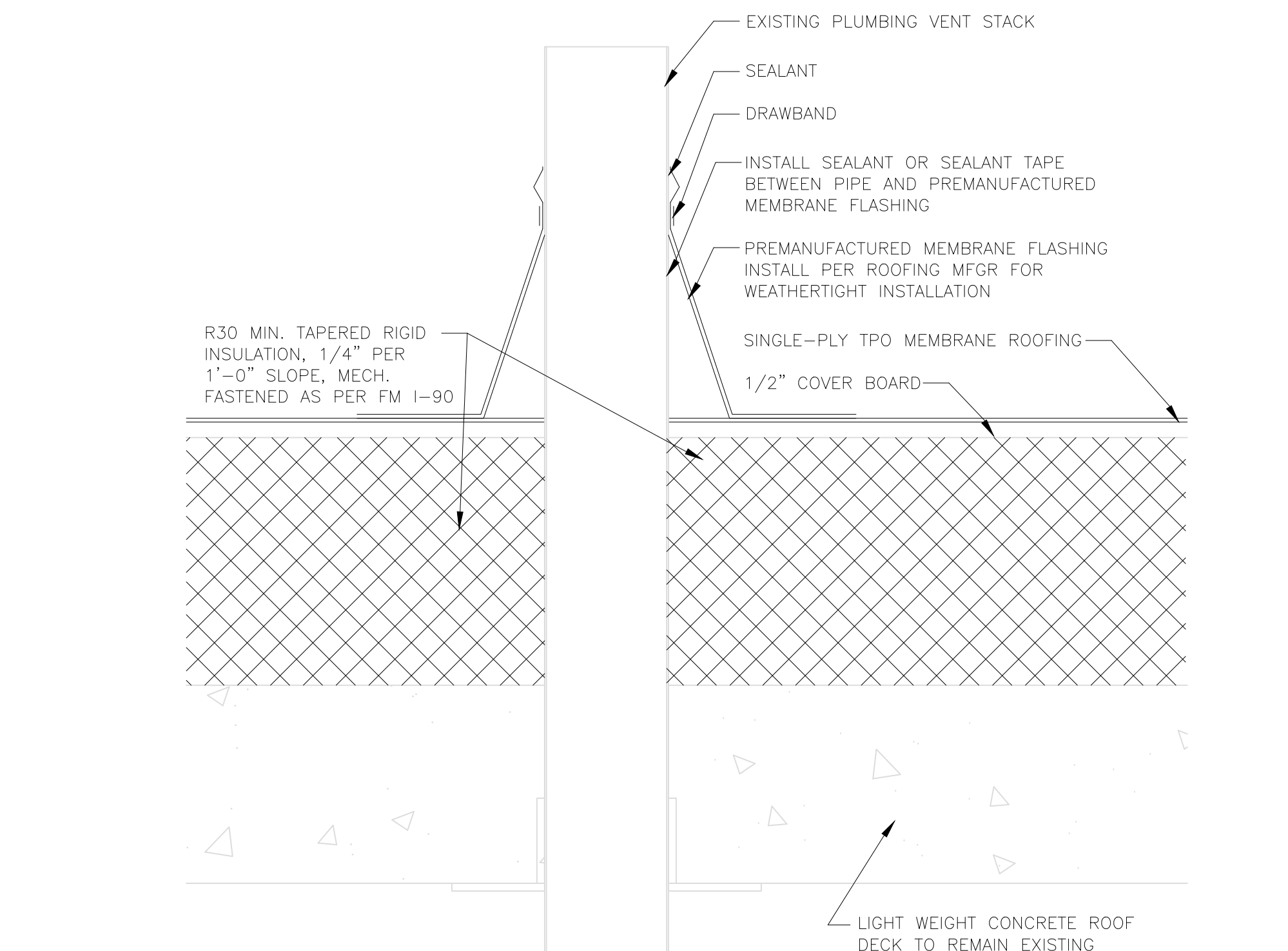
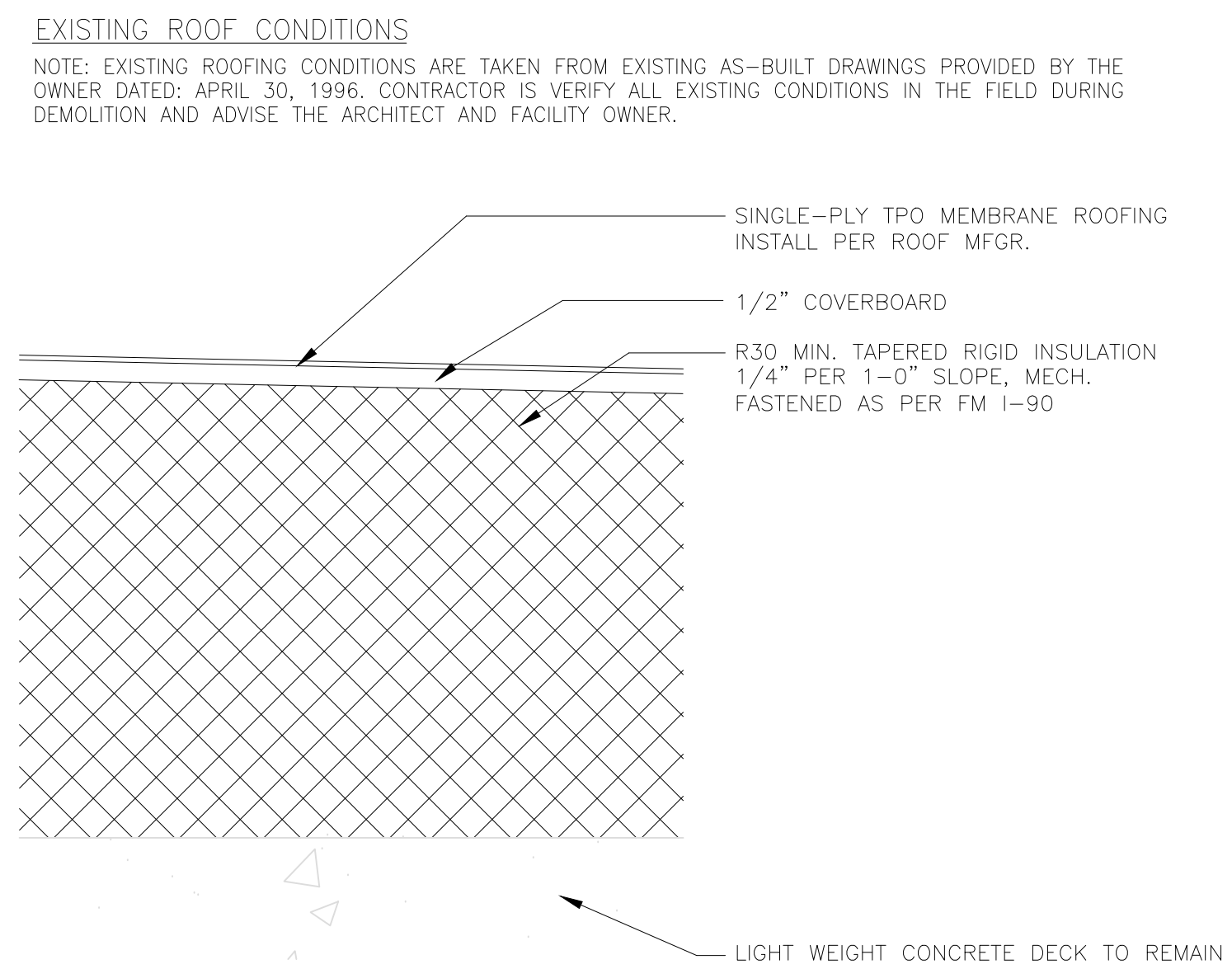
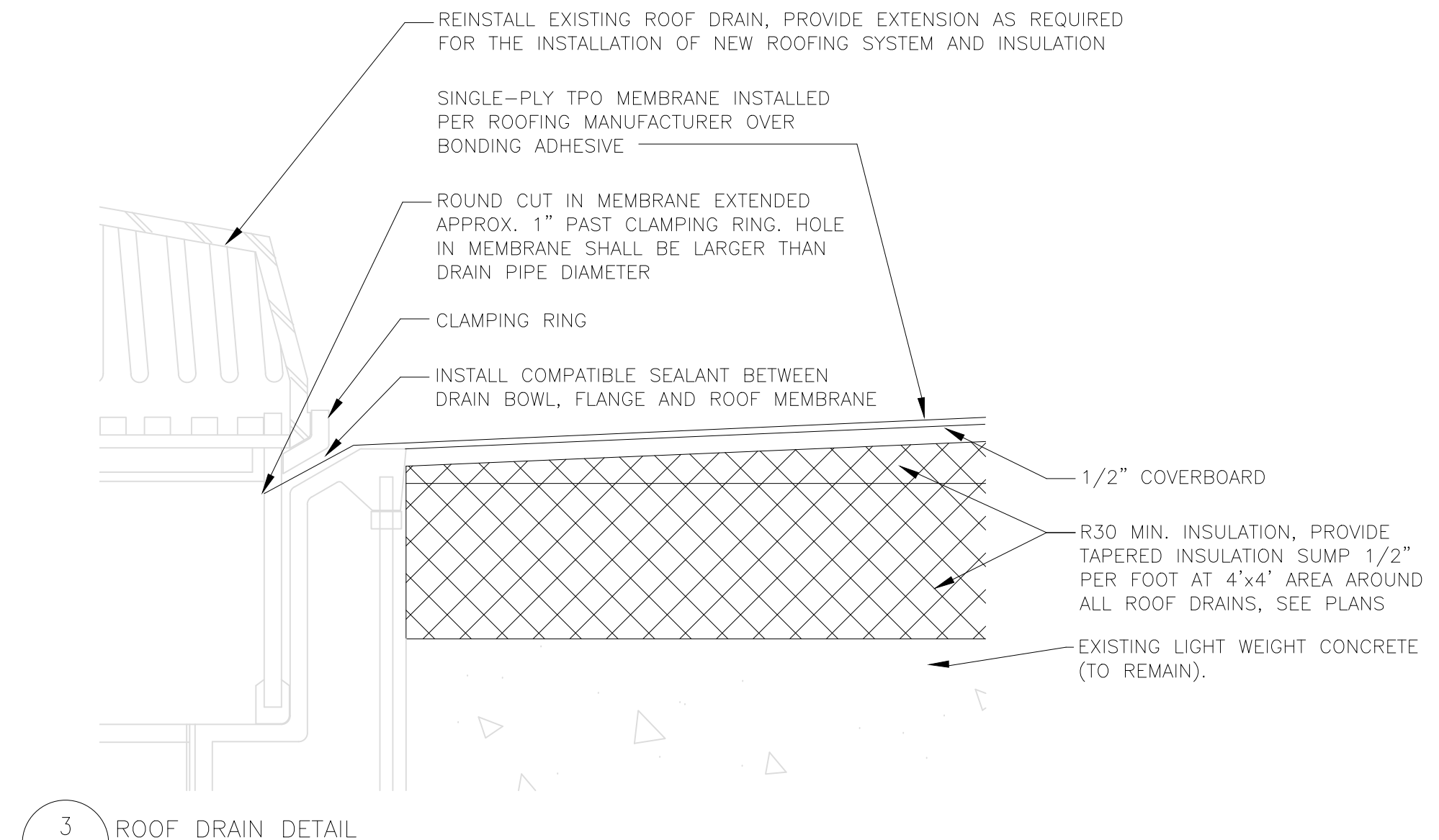
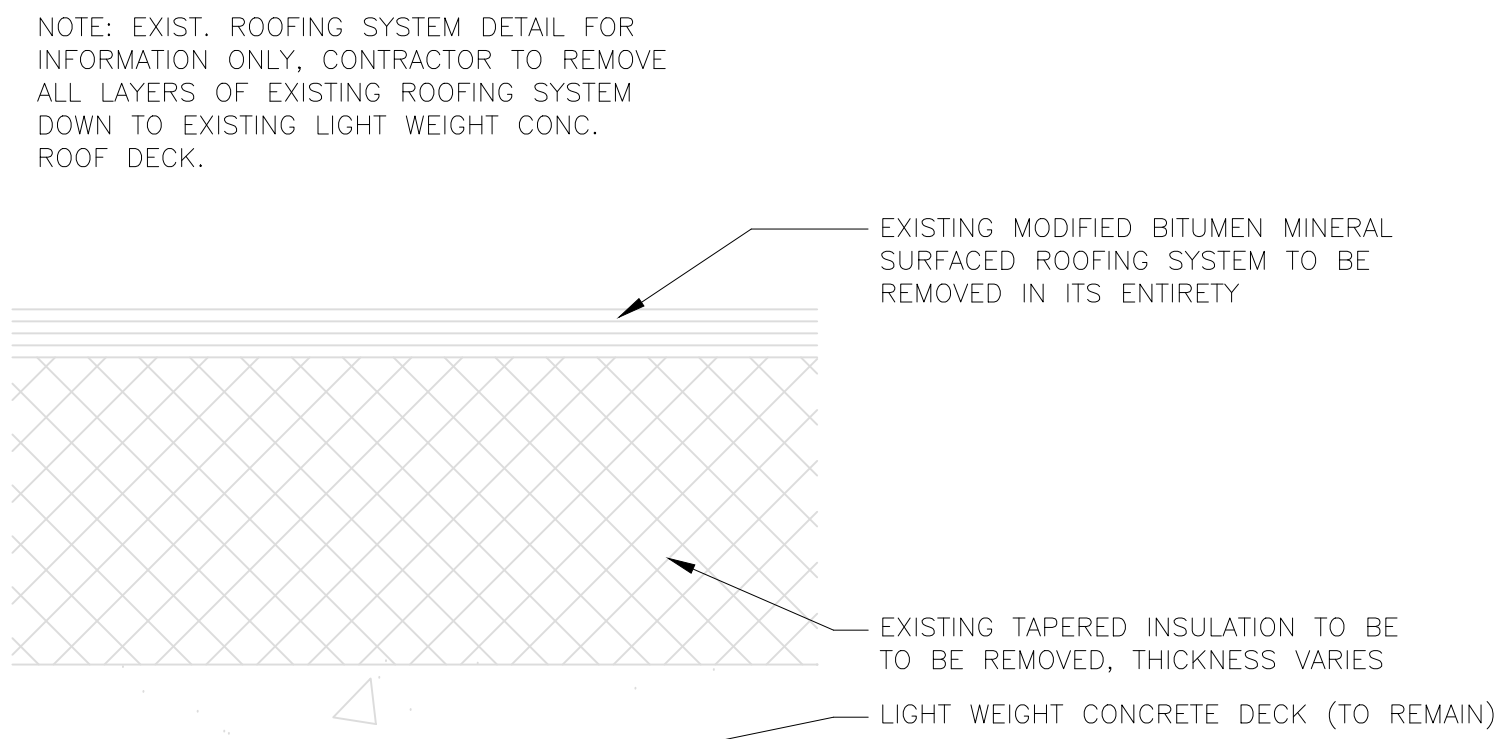
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ROOF PLAN -
REMODEL

SHEET NUMBER:

A-100

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JUNE 14, 2024





5 BARREL VAULT CURB FLASHING DETAIL
A-500 3" = 1'-0"

4 TYPICAL ROOF ASSEMBLY DETAIL
A-500 3" = 1'-0"

1 STRUCTURAL SKY LIGHT INFILL DETAIL
A-500 1 1/2" = 1'-0"

- STEEL DECK**
- MATERIALS, DETAILING, DESIGN, MANUFACTURE, AND ERECTION OF STEEL DECKS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE (SDI) SPECIFICATION.
 - DECK SIZE AND GAUGE INDICATED ON THE DRAWINGS ARE BASED ON THE FOLLOWING:
A. CURRENT VERSION OF VULCRAFT CATALOG FOR GRAVITY DESIGN LOADS AND UNSHORED CONSTRUCTION SPANS.
B. STEEL DECK INSTITUTE (SDI) DIAPHRAGM DESIGN MANUAL 4TH EDITION FOR DIAPHRAGM LOADS.
 - PAINTED STEEL ROOF DECK SHALL CONFORM TO ASTM A1008, GRADE C.
 - PROVIDE MINIMUM DECK BEARING AND LAP LENGTHS PER MANUFACTURER'S RECOMMENDATIONS.

EXISTING ROOF CONDITIONS
NOTE: EXISTING ROOFING CONDITIONS ARE TAKEN FROM EXISTING AS-BUILT DRAWINGS PROVIDED BY THE OWNER DATED: APRIL 30, 1996; CONTRACTOR IS VERIFY ALL EXISTING CONDITIONS IN THE FIELD DURING DEMOLITION AND ADVISE THE ARCHITECT AND FACILITY OWNER.

NOTE:
EXISTING CONSTRUCTION SHOWN FOR INFORMATION ONLY, CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, INFORMATION PROVIDED FROM OWNER SUPPLIED AS-BUILT DRAWINGS DATED 1996.

NOTE: EXIST. ROOFING SYSTEM DETAIL FOR INFORMATION ONLY, CONTRACTOR TO REMOVE ALL LAYERS OF EXISTING ROOFING SYSTEM DOWN TO EXISTING LIGHT WEIGHT CONC. ROOF DECK.



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**DEPARTMENT OF
MENTAL HEALTH**

REPLACE ROOF
REGIONAL OFFICE BUILDING
SIKESTON REGIONAL OFFICE
SIKESTON, MISSOURI

PROJECT # M2417-01
SITE # 7366
ASSET # 6517366003

REVISION:-
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CAD DWG FILE: A-500
DRAWN BY: EL
CHECKED BY: EL
DESIGNED BY: EL

SHEET TITLE:
DETAILS

SHEET NUMBER:

A-500

6 OF 11 SHEETS
JUNE 14, 2024



STATE OF MISSOURI
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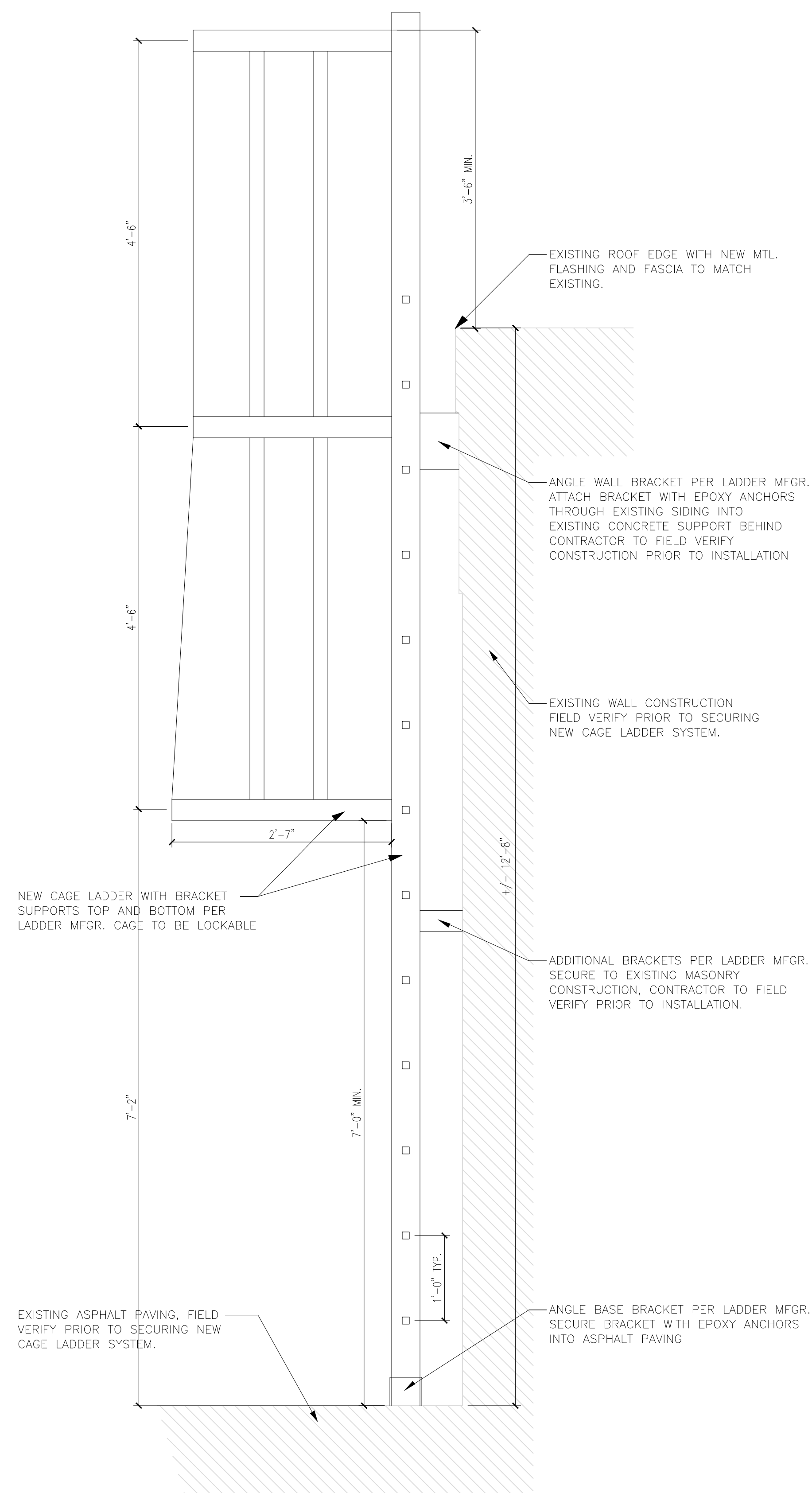
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DETAILS

SHEET NUMBER:

A-501

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JUNE 14, 2024



1 CAGE LADDER SECTION
A-501 1" = 1'-0"

ABBREVIATIONS:

ABBREVIATION	DESCRIPTION
EA	EXHAUST AIR OR RELIEF AIR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AMB	AMBIENT TEMPERATURE
BD	BACKDRAFT DAMPER
DB	DRY-BULB TEMPERATURE
DIA, Ø	DIAMETER
DN	DOWN
DPT	DEW-POINT TEMPERATURE
DTR	DOWN THRU ROOF
ECM	ELECTRONICALLY COMMUTATED MOTOR
EF	EXHAUST FAN
FT, '	FOOT OR FEET
GA	GAGE OR GAUGE
HD	HEAD (PRESSURE)
ID	DIAMETER, INSIDE
IN, "	INCH OR INCHES
LF	LINEAR FOOT OR LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO, #	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	DIAMETER, OUTSIDE
PD	PRESSURE DROP
PPM	PARTS PER MILLION
RD	ROOF DRAIN
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SP	STATIC PRESSURE
SPEC	SPECIFICATION
TAB	TESTING, ADJUSTING, AND BALANCING
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UTR	UP THRU ROOF
VTR	VENT THRU ROOF

- NOTES:**
- NOT ALL ABBREVIATIONS MAY APPLY.
 - MECHANICAL SCHEDULES CONTAIN EQUIPMENT TAG ABBREVIATIONS THAT ARE HEREBY INCORPORATED INTO THE ABBREVIATION LIST.
 - SEE OTHER DISCIPLINE DRAWINGS WITHIN THE CONSTRUCTION DOCUMENTS FOR ABBREVIATIONS NOT DEFINED ABOVE OR IN MECHANICAL SCHEDULES.

CONTRACTOR ABBREVIATIONS:

ABBREVIATION	DESCRIPTION
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.A.C.	FIRE ALARM CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROL CONTRACTOR

SYMBOLS:

LINETYPE/SYMBOL	DESCRIPTION
	SUPPLY AIR OR OUTSIDE AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR OR RELIEF AIR DUCT
	DUCT UP
	DUCT DOWN
	DIRECTION OF AIRFLOW IN DUCT
	CHANGE OF ELEVATION - RISE (R) DROP (D)
	ACCESS PANEL OR ROOF HATCH
	PIPE DOWN
	PIPE UP

GENERAL NOTES:

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS.
- REVIEW ALL PROJECT DOCUMENTS INCLUDING SPECS AND DRAWINGS PERTAINING TO ALL DISCIPLINES PRIOR TO SUBMITTING A BID. SUBMIT PRE-BID REQUEST FOR INFORMATION FOR ITEMS IN QUESTION AND/OR CONFLICTS FOUND.
- DRAWINGS SHOW THE DESIGN INTENT DIAGRAMMATICALLY. THEY DO NOT SHOW THE EXACT UTILITY ROUTING NOR EVERY ELBOW, OFFSET, ETC. WHERE REQUIRED, THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THEIR SYSTEMS TO AVOID CONFLICT WITH THE STRUCTURE AND OTHER DISCIPLINES. THE COST FOR SUCH ADJUSTMENTS SHALL BE INCLUDED IN THE BID.
- OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR WORK PERFORMED.
- OBTAIN UTILITY PURVEYOR REQUIREMENTS PRIOR TO PURCHASING EQUIPMENT OR PERFORMING WORK.
- THE G.C. OR C.M. TEAM SHALL LEAD THE SUBCONTRACTORS IN PROVIDING A COORDINATED SET OF SHOP DRAWINGS. SEE GENERAL REQUIREMENTS SPEC FOR ADDITIONAL INFORMATION.
- PROVIDE FIRESTOPPING FOR ALL UTILITY PENETRATIONS THRU FIRE-RATED ASSEMBLIES.
- COORDINATE FRAMING REQUIREMENTS FOR ACCESS PANELS AND EQUIPMENT/PANEL SUPPORTS WITH G.C. OR C.M. PRIOR TO SUBMITTING BID.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CORRECTION OF CONSTRUCTION DEFICIENCIES LISTED ON THE JOB SITE OBSERVATION REPORT. RETURN THE JOB SITE OBSERVATION REPORT TO A/E WITH DEFICIENCIES SIGNED OFF. PROVIDE PHOTOGRAPHIC AND/OR VIDEO EVIDENCE OF CORRECTED DEFICIENCIES IF REQUESTED BY THE ENGINEER.
- PROVIDE CLOSEOUT DOCUMENTATION UPON COMPLETION OF PROJECT. SEE GENERAL REQUIREMENTS SPEC FOR ADDITIONAL INFORMATION.
- PROTECT ALL OUTSIDE AIR INTAKES FROM CONSTRUCTION DEBRIS AND CONTAMINANTS DURING CONSTRUCTION.

RENOVATION NOTES:

- WORK SHALL BE CONSTRUCTED IN A PROFESSIONAL MANNER. COMPONENTS SHALL BE CLEANED PRIOR TO OWNER TURNOVER.
- DEMOLITION WORK SHALL BE PERFORMED AS DESCRIBED WITHIN SPEC SECTION 23 0505 AND THE DRAWINGS.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMISSION TO VERIFY ALL FIELD CONDITIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - LOCATIONS OF EXISTING MECHANICAL SYSTEMS.
 - LOCATIONS OF ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION, AND FIRE ALARM SYSTEMS.
 - EXISTING SURFACES WHICH REQUIRE ALTERING.
- NOTIFY OWNER OF REQUIRED SYSTEM SHUTDOWNS AT LEAST TWO WEEKS PRIOR TO SHUTDOWN. EXACT SHUTDOWN TIME AND PROCEDURE SHALL BE COORDINATED WITH OWNER AT LEAST 96 HOURS PRIOR TO SHUTDOWN.
- WHEN DUCTWORK, PIPING, CONTROLS, OR EQUIPMENT ARE NOTATED TO BE PERMANENTLY REMOVED THEIR ASSOCIATED COMPONENTS SHALL ALSO BE REMOVED INCLUDING HANGERS, SUPPORTS, AND ACCESSORIES UNLESS OTHERWISE NOTED ON PLANS.
- COORDINATE THE DISCONNECTION AND REMOVAL OF POWERED SYSTEMS WITH THE E.C. WHEN REMOVING POWERED MECHANICAL EQUIPMENT.

MECH/ELEC SHEET INDEX:

Sheet Number	Sheet Name
ME-000	MECH/ELEC COVER SHEET
ME-200	MECH/ELEC ROOF PLAN - DEMOLITION
ME-201	MECH/ELEC ROOF PLAN - REMODEL
ME-300	MECH/ELEC DETAILS

CODES AND STANDARDS:

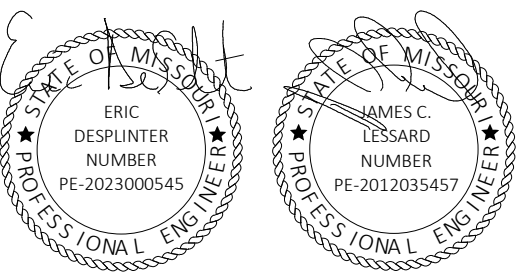
EDITION	REFERENCE CODE/STANDARD
2010	AMERICANS WITH DISABILITIES ACT (ADAAG)
2021	INTERNATIONAL BUILDING CODE, (IBC)
2023	NATIONAL ELECTRICAL CODE, (NEC)
2021	INTERNATIONAL MECHANICAL CODE, (IMC)
2021	INTERNATIONAL PLUMBING CODE, (IPC)
2021	NATIONAL LIFE SAFETY CODE, (NFPA 101)
2022	ENERGY EFFICIENCY STANDARD, (ASHRAE 90.1)

NFPA-NATIONAL FIRE PROTECTION AGENCY

GENERAL LEGEND:

SYMBOL	DESCRIPTION
	DETAIL CALL-OUT SYMBOL
	EQUIPMENT TAG
	KEYNOTE SYMBOL
	POINT OF CONNECTION OR DISCONNECTION
	SECTION CUT CALL-OUT SYMBOL
	ENLARGED PLAN CALL-OUT SYMBOL
LINETYPE	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW CONSTRUCTION
(E)	EXISTING TO REMAIN
(X)	EXISTING TO BE REMOVED

STATE OF MISSOURI
MICHAEL L. PARSON,
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PROFESSIONAL SEAL



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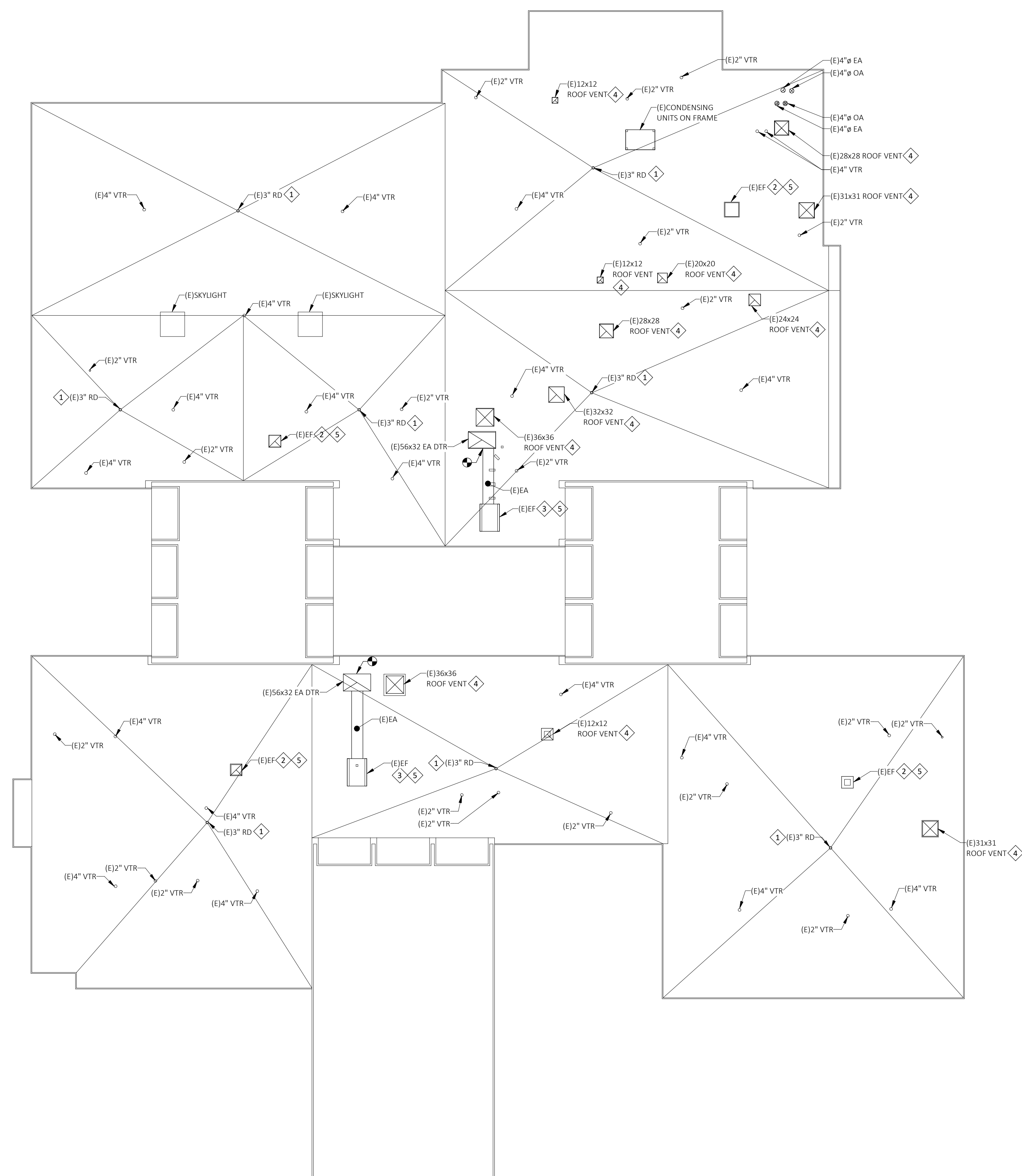
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MECH/ELEC COVER
SHEET

SHEET NUMBER:
ME-000

8 OF 11 SHEETS
JUNE 14, 2024

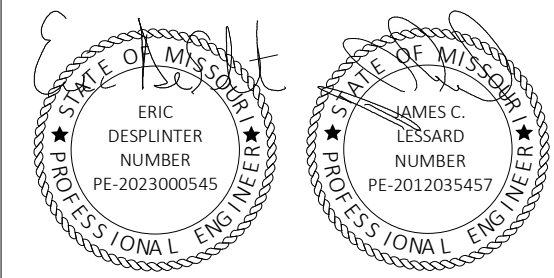


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909.993.0015
www.astraleng.com
PROJECT # 240002.00



NUMBER	TEXT
1	CAREFULLY REMOVE EXISTING ROOF DRAIN AND STORE FOR FUTURE INSTALLATION. PROTECT PIPE FROM CONSTRUCTION DEBRIS DURING CONSTRUCTION.
2	CAREFULLY REMOVE EXISTING EXHAUST FAN AND STORE FOR FUTURE INSTALLATION. EXISTING FAN CURB SHALL REMAIN. PROTECT DUCT OPENING FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION.
3	CAREFULLY REMOVE EXISTING EXHAUST FAN AND ASSOCIATED ROOFTOP DUCTWORK. STORE FOR FUTURE INSTALLATION. EXISTING FAN CURB SHALL REMAIN. PROTECT DUCT OPENING FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION.
4	CAREFULLY REMOVE EXISTING ROOF VENT AND STORE FOR FUTURE INSTALLATION. EXISTING ROOF VENT CURB SHALL REMAIN. PROTECT DUCT OPENING FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION.
5	DISCONNECT EXISTING POWER CONNECTION TO MECHANICAL EQUIPMENT AND PROTECT EXISTING FEEDER CONDUIT AND CONDUCTORS FOR RE-CONNECTION IN NEW WORK.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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CAD DWG FILE: _____
DRAWN BY: BST
CHECKED BY: EMD
DESIGNED BY: BST

SHEET TITLE:
MECH/ELEC ROOF
PLAN -
DEMOLITION

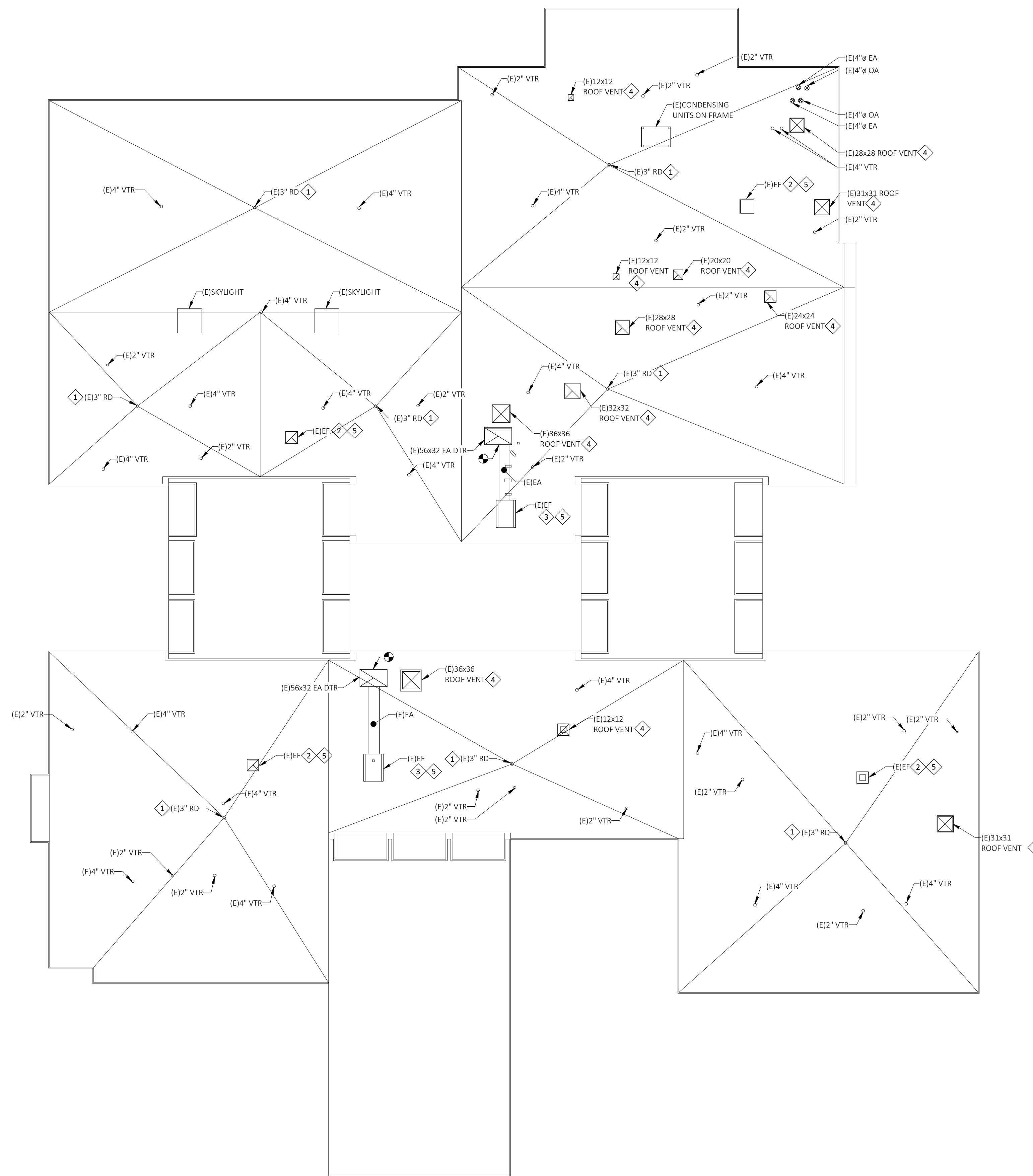
SHEET NUMBER:
ME-200

9 OF 11 SHEETS
JUNE 14, 2024

N 1 MECHANICAL/ELECTRICAL ROOF PLAN - DEMOLITION
1" = 10'-0"

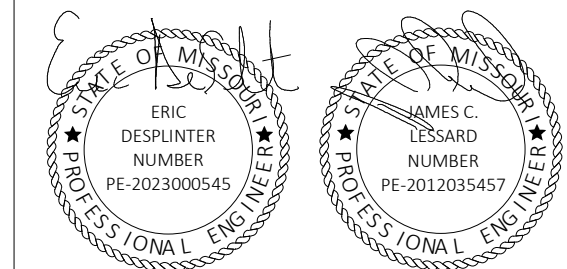
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909 903 0015
www.astraleng.com
PROJECT # 24170003.00





NUMBER	TEXT
1	REINSTALL EXISTING ROOF DRAIN AND CONNECT TO EXISTING PIPE.
2	REINSTALL EXISTING EF ON (E)ROOF CURB. SEE DETAIL 1/ME-300 FOR ADDITIONAL INFORMATION.
3	REINSTALL EXISTING EF ON (E) ROOF CURB. SEE DETAIL 1/ME-300 FOR ADDITIONAL INFORMATION. REINSTALL EXISTING ROOFTOP DUCTWORK AND SEAL AIRTIGHT. SEE DETAIL 4/ME-300 FOR DUCT SUPPORT.
4	REINSTALL EXISTING ROOF VENT ON (E)ROOF CURB. SEE DETAIL 2/ME3300 FOR ADDITIONAL INFORMATION.
5	RE-CONNECT RE-INSTALLED MECHANICAL EQUIPMENT TO EXISTING FEEDER RETAINED FOR RE-USE. EXTEND EXISTING CONDUIT AND CONDUCTORS AS NECESSARY. MATCH EXISTING SIZE AND RATINGS.

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20 S. SARAH STREET, ST. LOUIS, MO 63108

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OFFICE OF
ADMINISTRATION
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MANAGEMENT,
DESIGN AND
CONSTRUCTION

DEPARTMENT OF
MENTAL HEALTH

REPLACE ROOF
REGIONAL OFFICE BUILDING
SIKESTON REGIONAL OFFICE
SIKESTON, MISSOURI

PROJECT # M2417-01
SITE # 7366
ASSET # 6517366003

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JUNE 15, 2024

CAD DWG FILE: _____
DRAWN BY: BST
CHECKED BY: EMD
DESIGNED BY: BST

SHEET TITLE:
MECH/ELEC ROOF
PLAN - REMODEL

SHEET NUMBER:
ME-201

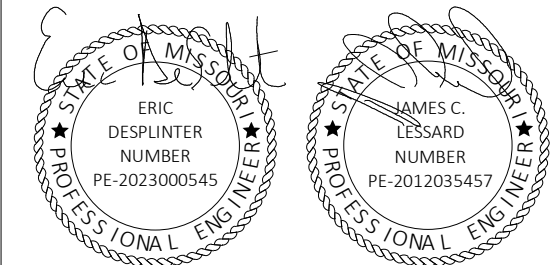
10 OF 11 SHEETS
JUNE 14, 2024

ASTRAL ENGINEERS, PC
PO BOX 105
MANHATTAN, MISSOURI 64503
913-933-0015
www.astraleng.com
PROJECT # 24170003.00



N 1 MECHANICAL/ELECTRICAL ROOF PLAN - REMODEL
1" = 10'-0"

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



STATE OF MISSOURI
CERTIFICATE OF AUTHORITY #2018019473

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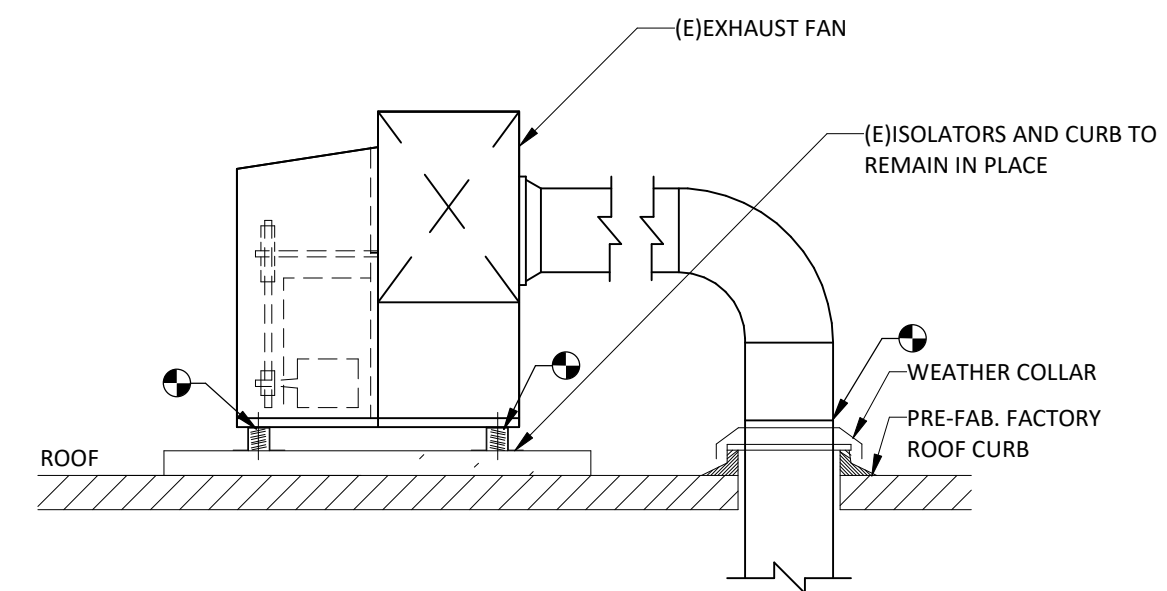
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REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JUNE 14, 2024

CAD DWG FILE: _____
DRAWN BY: BST
CHECKED BY: EMD
DESIGNED BY: BST

SHEET TITLE:
MECH/ELEC
DETAILS

SHEET NUMBER:
ME-300

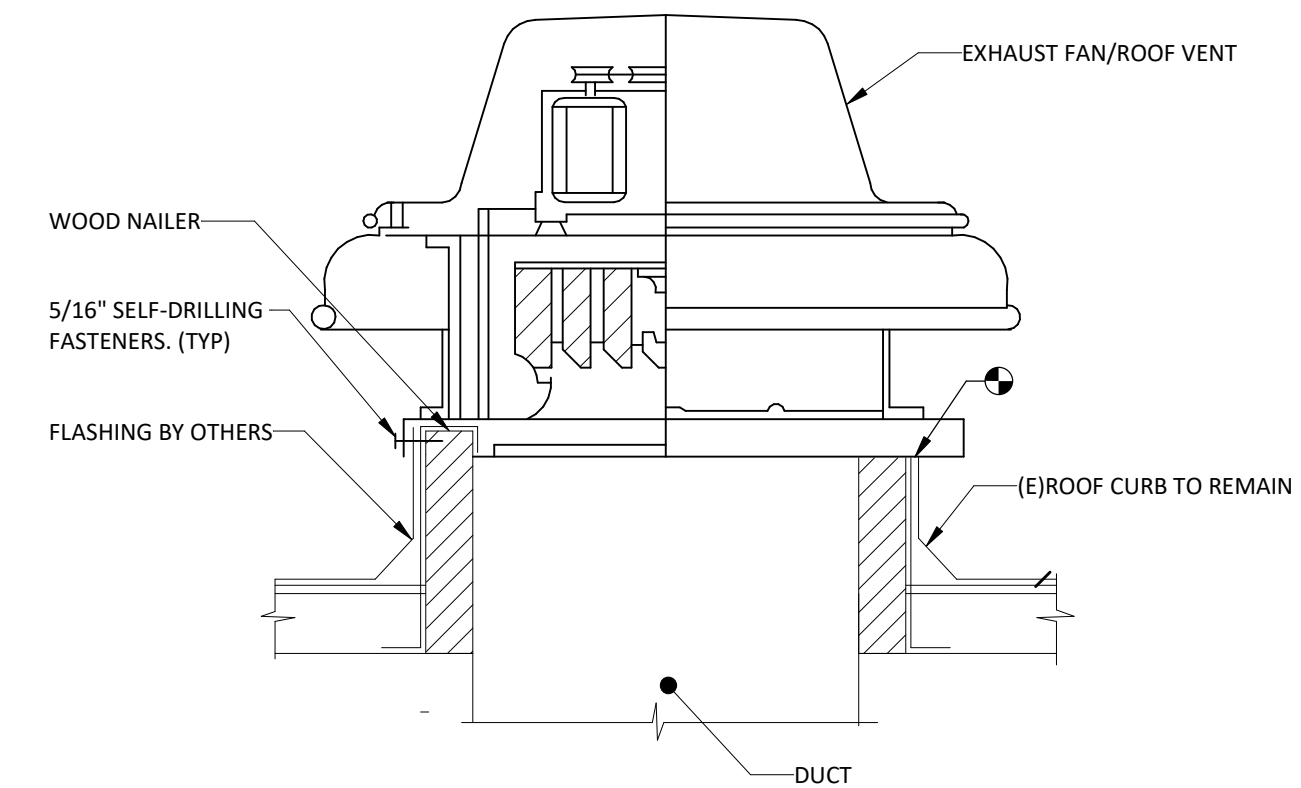
11 OF 11 SHEETS
JUNE 14, 2024



DETAIL NOTES:
1. DISCONNECT EXISTING EXHAUST FAN, CAREFULLY REMOVE AND STORE FOR FUTURE INSTALLATION. EXISTING FAN CURB AND ISOLATORS SHALL REMAIN. PROTECT DUCT OPENING FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION. REINSTALL EXISTING EXHAUST FAN ON EXISTING ROOF CURB AFTER ROOF REINSTALLATION. RECONNECT BACK TO EXISTING UTILITIES.

FAN SUPPORT ON ROOF DETAIL

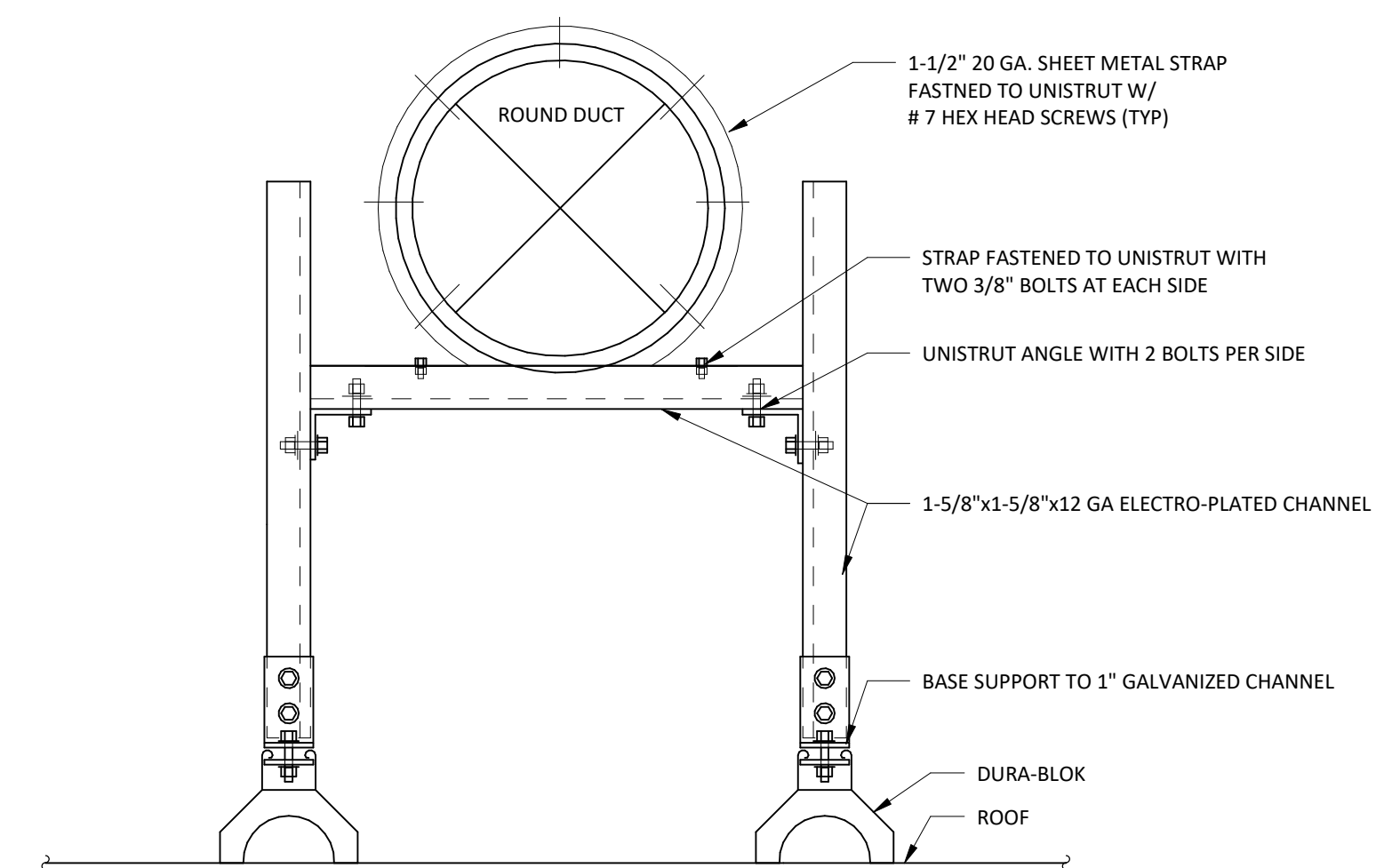
NTS 1



DETAIL NOTES:
1. DISCONNECT EXISTING EXHAUST FAN/ROOF VENT, CAREFULLY REMOVE AND STORE FOR FUTURE INSTALLATION. EXISTING CURB SHALL REMAIN. PROTECT DUCT OPENING FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION. REINSTALL EXISTING EXHAUST FAN/ROOF VENT ON EXISTING ROOF CURB AFTER ROOF REINSTALLATION. RECONNECT TO EXISTING UTILITIES.

EXHAUST FAN/ROOF VENT DETAIL

NTS 2



DUCT SUPPORT ON ROOF DETAIL

NTS 3



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