1 1/2"(ACTUAL SIZE)

DRAWING SIZE INTENDED TO BE 24" x 36"

PROJECT INFORMATION

PROJECT NUMBERS AND NAMES: XTLF181014 – REPAIR ROOF, F200
XTLF181014PA, ADMIN SECTION
XTLF181014PB, WAREHOUSE SECTION
XTLF261020 – REPAIR ROOF, F244

Project Location: VANCE AFB, ENID OK

Project Status: FOR CONSTRUCTION ISSUE DATE: 09/12/2025

REFERENCES:

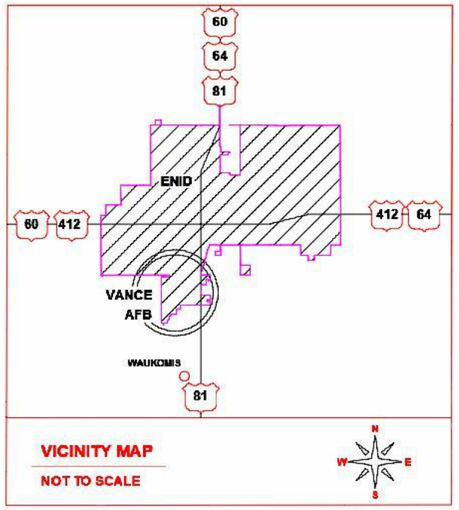
REFERENCE TITLE	REFERENCE DATE
INTERNATIONAL BUILDING CODE	2021
ASHRAE 90.1, ENERGY STANDARDS FOR BUILDINGS	2019
UFC 3-110-03 Roofing	2020, C5
ARCHITECTURAL SHEET METAL MANUAL	7TH Ed.

SHEET LIST

SHEET NUMBER	SHEET TITLE
G-001	TITLE AND INDEX
G-002	HAUL ROUTE, ABBREVIATIONS, AND COMMON SYMBOLOGY
STRUCTURAL	
S-512	PANEL FRAMING DETAILS
S-601	UPLIFT DIAGRAM - F200 ADMINISTRATION, F200 WAREHOUSE, AND F244
ARCHITECTURAL	
AD-101	DECONSTRUCTION ROOF PLAN - F200 ADMINISTRATION, F200 WAREHOUSE, AND F244
AD-201	DECONSTRUCTION ELEVATION AT NEW WALL PANELS
A-101	ROOF PLAN - F200ADMINISTRATION, F200 WAREHOUSE, AND F244
A-201	ELEVATIONS AT ADMINISTRATION
A-202	ELEVATION AT NEW WALL PANELS
A-301	BUILDING & WALL SECTIONS AT ADMINISTRATION
A-302	BUILDING & WALL SECTIONS AT EAVE AND TILT-UP WALL
A-303	BUILDING & WALL SECTIONS AT WAREHOUSE
A-304	BUILDING & WALL SECTIONS AT LEAN-TO TRANSITION
A-305	BUILDING & WALL SECTIONS AT F244 LEAN-TO TO GABLE ROOF
REFERENCE	
RE-700	LIGHTNING PROTECTION - RECORD DRAWINGS - REFERENCE ONLY

UNITED STATES AIR FORCE
AIR EDUCATION TRAINING COMMAND
ENID OKLAHOMA

ASRC FEDERAL Field Services
140 CHANNEL ST.
VANCE AFB, OK 73705
P: (580) 213-7787
CA# 8716 EXPIRES: 30 JUNE 2026



VICINITY MAP
NOT TO SCALE

BUY AMERICAN ACT

EXECUTION OF WORK DESCRIBED WITHIN THIS PROJECT PLANS AND SPECIFICATIONS SHALL OCCUR IAW 48CFR SUBPART 25.2 BUY AMERICAN - CONSTRUCTION MATERIALS.

UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER
CHARLES SNYDER
29625
OKLAHOMA
9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

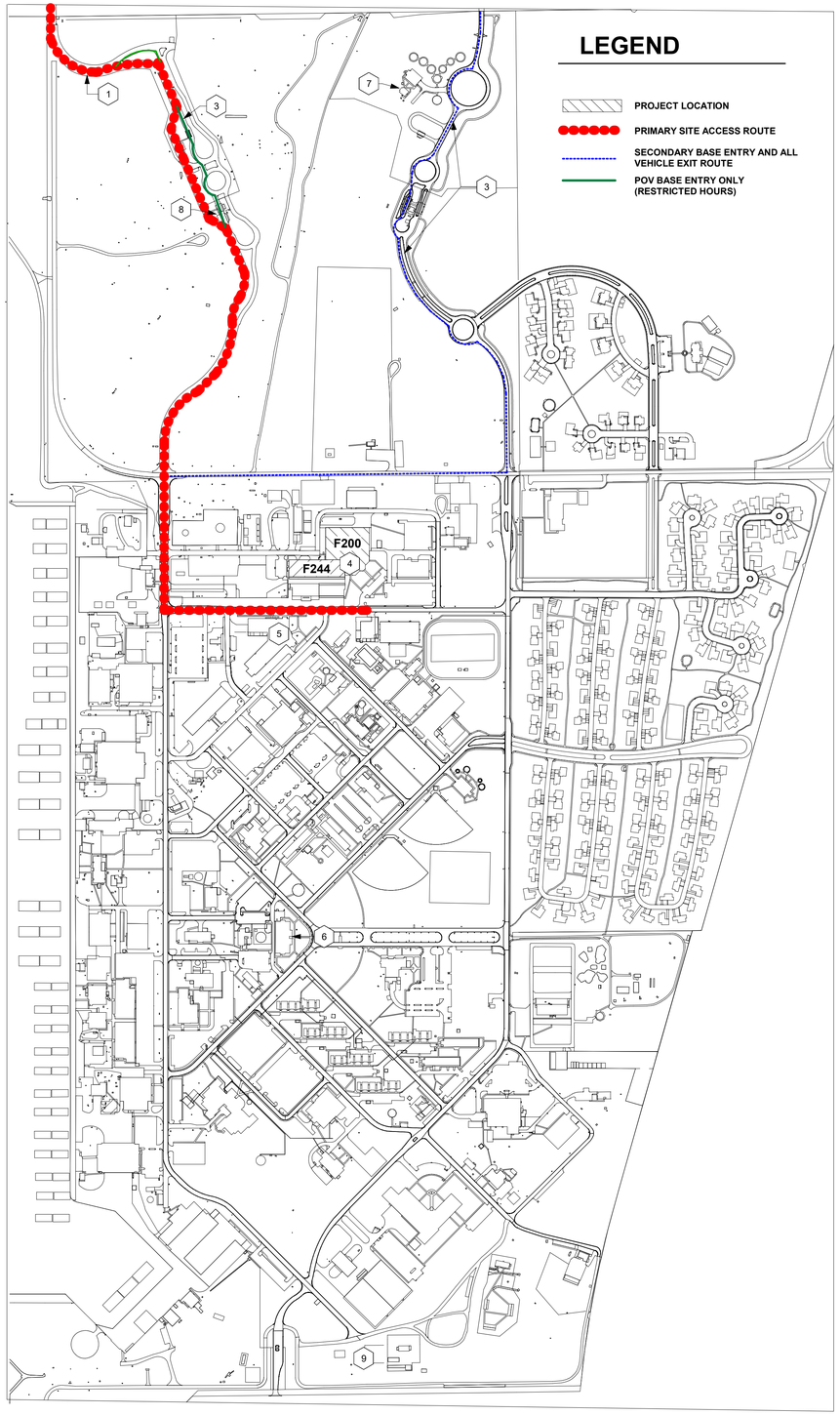
REPAIR ROOF, F200 & REPAIR ROOF, F244

TITLE AND INDEX

G-001

1 1/2"(ACTUAL SIZE)

DRAWING SIZE INTENDED TO BE 24" x 36"



1 G-002 Map

1" = 400'-0"

N

LEGEND

- PROJECT LOCATION
- PRIMARY SITE ACCESS ROUTE
- SECONDARY BASE ENTRY AND ALL VEHICLE EXIT ROUTE
- POV BASE ENTRY ONLY (RESTRICTED HOURS)

KEY NOTES

1. PRIMARY HAUL ROUTE
2. SECONDARY HAUL ROUTE TO BE USED ONLY WHEN PRIMARY GATE IS CLOSED
3. POV ONLY LANE
4. PROJECT LOCATION, BUILDING 200 & 244
5. BUILDING 288, CIVIL ENGINEERING INCLUDING CONSTRUCTION MANAGEMENT
6. BUILDING 500, CONTRACTING FLIGHT
7. BUILDING 72, VISITOR'S CENTER. USE FOR PASS APPROVAL PRIOR TO BEGINNING WORK
8. BUILDING 75, COMMERCIAL VEHICLE INSPECTION
9. CONTRACTOR STAGING AREA

HAUL ROUTE NOTES

1. APPROVED HAUL AND ACCESS ROUTES ARE NOTED ON THE PLAN. THE CONTRACTOR SHALL ONLY USE ACCESS ROUTES THAT HAVE BEEN PREVIOUSLY APPROVED BY CONSTRUCTION MANAGEMENT.

ARCHITECTURAL DRAFTING CONVENTIONS

CENTERLINE SYMBOL = ℄

DOOR SYMBOL
101 — NUMBER DESIGNATION

ELEVATION SYMBOL
LEVEL 30 — NAME DESIGNATION
24'-0" — HEIGHT DESIGNATION

GRID SYMBOL
0 EXISTING, 0 NEW — LETTER/NUMBER DESIGNATION

MATCHLINE SYMBOL
1 / A-121, 1 / A-122 — LETTER/NUMBER DESIGNATION OF FLOOR PLAN(S)

PARTITION TYPE SYMBOL
G012 — LETTER/NUMBER DESIGNATION

ROOM NAME/NUMBER SYMBOL
Room name
101
150 SF
NUMBER DESIGNATION

SPOT/CEILING ELEVATION SYMBOL
10'-0" — HEIGHT DESIGNATION

DETAIL MARKER
SIM — SIMILAR (IF APPLICABLE)
1 — DETAIL VIEW NUMBER
A-101 — SHEET ON WHICH DETAIL APPEARS

EXTERIOR ELEVATION MARKER
DIRECTION OF ELEVATION VIEW
SIM — SIMILAR (IF APPLICABLE)
1 — ELEVATION VIEW NUMBER
A101 — SHEET ON WHICH ELEVATION APPEARS

INTERIOR ELEVATION MARKER
1 — ELEVATION VIEW NUMBER
DIRECTION OF VIEW FOR ELEVATION
A-101 — SHEET ON WHICH ELEVATION APPEARS

BUILDING / WALL SECTION MARKER
DIRECTION OF SECTION VIEW
SIM — SIMILAR (IF APPLICABLE)
1 — SECTION VIEW NUMBER
A101 — SHEET ON WHICH SECTION APPEARS

MILLWORK ELEVATION MARKER
DIRECTION OF ELEVATION VIEW
1 / A-101 — ELEVATION VIEW NUMBER / SHEET NUMBER

GRAPHIC SCALE SYMBOL
8' 4' 0 8'
SCALE: 1/8" = 1'-0"

NORTH ARROW
N — PLAN NORTH ARROW DIRECTION

VIEW TITLE
1 View Name
SCALE: 1/8" = 1'-0"
VIEW NUMBER

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE REQUIREMENTS FOR FALL PROTECTION WITH A CERTIFIED FALL PROTECTION DESIGN / INSTALLATION PROFESSIONAL; SPECIFICATION SECTION 07 61 14.00 20. INSTALLATION PROFESSIONAL WILL PROVIDE FALL ARREST SYSTEM AS A SHOP DRAWING SUBMITTAL WITH DESIGN ANALYSIS DOCUMENTATION IN ACCORDANCE WITH SPECIFICATION 01 33 00.

2. PROVIDE INTEGRAL TYPE LIGHTNING PROTECTION SYSTEM CONSISTING OF AIR TERMINALS, ROOF CONDUCTORS, DOWN CONDUCTORS, GROUND CONNECTIONS, GROUNDING ELECTRODES AND GROUND RING ELECTRODE CONDUCTOR FOR THE PURPOSE OF CARRYING LIGHTNING CURRENT FROM A DIRECT STRIKE TO GROUND IN A MANNER THAT WILL PROTECT ASSETS AND PERSONNEL. SPECIFICATION SECTION 26 41 00 LIGHTNING PROTECTION SYSTEM. (REFERENCE: RE-700)
   - NOTE: EXISING GROUND CONNECTIONS, GROUNDING ELECTRODES AND GROUND RING ELECTRODE CONDUCTOR MAY BE CERTIFIED AS RE-USABLE BY A QUALIFIED LICENCED PROFESSIONAL ENGINEER.

3. SHEET RE-700 IS PROVIDED TO FACILITATE UNDERSTANDING OF THE EXISTING LIGHTNING PROTECTION SYSTEM. THESE DRAWINGS SHOULD NOT SERVE TO SUBSTITUTE FOR REQUIRED FIELD MEASUREMENTS.

ABBREVIATIONS

A
- @ — AT
- A/C — AIR CONDITIONING
- AB — ANCHOR BOLT
- ABI — ADDITIVE BID ITEM
- ACT — ACOUSTICAL CEILING TILE
- ADJ — ADJACENT, ADJUSTABLE
- AFF — ABOVE FINISH FLOOR
- AFL — ATHLETIC FLOORING
- AGGR — AGGREGATE
- ALT — ALTERNATE
- ALUM, AL — ALUMINUM
- AP — ACRYLIC PANEL
- APPROX — APPROXIMATE
- APVD — APPROVED
- ARCH — ARCHITECT, ARCHITECTURAL
- ATTEN — ATTENUATOR, ATTENUATION
- AWP — ACOUSTIC WALL PANEL

B
- BB — BASE BID
- BD — BOARD
- BITUM — BITUMINOUS
- BLDG — BUILDING
- BLKG — BLOCKING
- BOD — BASIS OF DESIGN
- BOT, BTM — BOTTOM
- BRG — BEARING
- BRK — BRICK
- BSMT — BASEMENT

C
- C TO C — CENTER TO CENTER
- CAB — CABINET
- CBB — CEMENTITIOUS BACKER BOARD
- CC — CONTRACTOR CONNECT
- CF — CONTRACTOR FURNISHED
- CFM — COLD-FORMED METAL
- CG — CORNER GUARD
- CI — CONTRACTOR INSTALLED
- CJ — CONSTRUCTION CONTROL JOINT
- CL — CENTER LINE
- CLG — CEILING
- CLR — CLEAR
- CMU — CONCRETE MASONRY UNIT
- CO — CLEANOUT
- COL — COLUMN
- CONC — CONCRETE
- CONT — CONTINUOUS
- CPT — CARPET
- CR — CONTRACTOR ROUGH-IN
- CT — CERAMIC TILE

D
- DB — DOUBLE
- DEMO — DEMOLITION, DEMOLISH
- DF — DRINKING FOUNTAIN
- DIA — DIAMETER
- DIAG — DIAGONAL
- DIM — DIMENSION
- DN, DWN — DOWN
- DP — DAMPPROOFING
- DR — DOOR
- DS — DOWNSPOUT
- DTL — DETAIL
- DWG — DRAWING
- DWP — DECORATIVE WALL PANEL
- DWR — DRAWER

E
- EA — EACH
- EF — EXHAUST FAN
- EIFS — EXTERIOR INSULATION & FINISH SYSTEM
- ELEC — ELECTRICAL
- ELEV — ELEVATION
- EPC — EPOXY COATING
- EQ — EQUAL
- EQPT — EQUIPMENT
- ES — EMERGENCY SHOWER
- EW — EYE WASH
- EWC — ELECTRIC WATER COOLER
- EXIST — EXISTING
- EXP — EXPANSION, EXPOSED
- EXP JT, EJ — EXPANSION JOINT
- EXT — EXTERIOR

F
- FD — FLOOR DRAIN
- FDN — FOUNDATION
- FE — FIRE EXTINGUISHER
- FEC — FIRE EXTINGUISHER CABINET
- FF — FINISH FLOOR
- FH — FIRE HYDRANT
- FHC — FIRE HOSE CABINET
- FHS — FIRE HOSE STATION
- FIN — FINISHED
- FLR — FLOOR
- FPRF — FIREPROOF
- FRP — FIBER-REINFORCED PLASTIC
- FT — FOOT, FEET
- FTG — FOOTING
- FURR — FURRED, FURRING
- FWC — FABRIC WALL COVERING

G
- GA — GAUGE
- GALV — GALVANIZED
- GB — GRAB BAR
- GL — GLASS, GLAZING
- GRT — GROUT
- GT — GLASS TILE
- GWB — GYPSUM WALLBOARD
- GYP — GYPSUM

H
- HB — HOSE BIB
- HC — HANDICAPPED
- HC — HOLLOW CORE
- HDW — HARDWARE
- HDWD — HARDWOOD
- HM — HOLLOW METAL
- HMB — HORIZONTAL METAL BLINDS
- HORIZ — HORIZONTAL
- HPL — HIGH PRESURE LAMINATE
- HT — HEIGHT
- HTR — HEATER
- HVAC — HEATING, VENTILATING, AND AIR CONDITIONING

I
- ID — INSIDE DIAMETER
- IMP — INSULATED METAL PANEL
- IN — INCH
- INSUL — INSULATION
- INT — INTERIOR

J
- JST — JOIST
- JT — JOINT

L
- LAM — LAMINATE
- LAV — LAVATORY
- LB — POUND
- LBL — LABEL
- LF — LINEAL FEET
- LN — LINOLEUM
- LVR — LOUVER
- LVT — LUXURY VINYL TILE
- LWT — LIGHTWEIGHT

M
- MACH — MACHINE
- MAINT — MAINTENANCE
- MATL — MATERIAL
- MAX — MAXIMUM
- MB — MARKER BOARD
- MBR — MEMBER
- MC — MEDICINE CABINET
- MECH — MECHANICAL
- MEZZ — MEZZANINE
- MFR — MANUFACTURE, MANUFACTURER
- MH — MANHOLE
- MIN — MINIMUM
- MISC — MISCELLANEOUS
- MK — MARK
- ML — METAL LOCKER
- MLDG — MOLDING
- MO — MASONRY OPENING
- MSNRY — MASONRY
- MSP — METAL SPLASH PAN
- MT — METAL THRESHOLD
- MTD — MOUNTED
- MTL — METAL
- MVBL — MOVABLE
- MWP — MEMBRANE WEATHERPROOFING

N
- NIC — NOT IN CONTRACT
- NO — NUMBER
- NOM — NOMINAL
- NPRN — NEOPRENE
- NTS — NOT TO SCALE

O
- OA — OVERALL, OUTSIDE AIR
- OC — ON CENTER
- OD — OUTSIDE DIAMETER
- OPNG — OPENING
- OPP — OPPOSITE
- OVHD — OVERHEAD
- OZ — OUNCE

P
- PART — PARTIAL
- PL — PLATE, PLASTIC
- PLAS — PLASTIC
- PLBG — PLUMBING
- PLYWD — PLYWOOD
- PNL — PANEL, PANELBOARD
- PREFAB — PREFABRICATED
- PREFIN — PREFINISHED
- PRJ — PROJECTION
- PROP — PROPERTY
- PSI — POUNDS PER SQ IN
- PT — PAINT
- PTD — PAINTED
- PTDD — PAPER TOWEL DISPENSER / DISPOSAL
- PTN — PARTITION
- PVC — POLYVINYL CHLORIDE

Q
- QT — QUARRY TILE
- QZ — QUARTZ MATERIAL

R
- RA — RETURN AIR
- RAF — RAISED ACCESS FLOORING
- RB — RUBBER BASE
- RD — ROAD, ROOF DRAIN
- RECT — RECTANGULAR
- REF, RE — REFER, REFERENCE
- REINF — REINFORCE, REINFORCED
- REP — REPRESENTATIVE
- REQD — REQUIRED
- RFG — ROOFING
- RFL — RUBBER FLOORING
- RH — ROBE HOOK
- RM — ROOM
- RND — ROUND
- RS — ROLLER SHADES
- RST — RUBBER STAIR TREADS

S
- S — SIGNAGE
- SB — SPLASH BLOCK
- SC — SEALED CONCRETE
- SCHED — SCHEDULE
- SCN — STAINED CONCRETE
- SD — SOAP DISPENSER
- SECT — SECTION
- SEQ — SEQUENCE
- SHT — SHEET
- SIM — SIMILAR
- SJ — STUCCO JOINT, SAWN JOINT
- SMC — SUSPENDED METAL CEILING
- SND — SANITARY NAPKIN DISPENSER
- SPECS — CONTRACT SPECIFICATIONS
- SQ — SQUARE
- SS — STAINLESS STEEL
- SSM — SOLID SURFACE MATERIAL
- ST — STAIN
- STD — STANDARD
- STL — STEEL
- STN — NATURAL STONE
- STOR — STORAGE
- STRUCT — STRUCTURAL
- SUSP — SUSPENDED
- SWC — SUSPENDED WOOD CEILING

T
- T — TREAD
- TC — TOWEL DISPENSER
- TFMR — TRANSFORMER
- THK — THICK
- THRU — THROUGH
- TOC — TOP OF CONCRETE
- TOM — TOP OF MASONRY
- TOS — TOP OF STEEL
- TOW — TOP OF WALL
- TP — TOILET PARTITION
- TS — FLOORING TRANSITION
- TT — TILE TRIM
- TTD — TOILET TISSUE DISPENSER
- TYP — TYPICAL
- TZ — TERRAZZO

U
- UGND — UNDERGROUND
- UL — UNDERWRITERS LABORATORIES
- UNO — UNLESS NOTED OTHERWISE
- UR — URINAL

V
- VB — VINYL BASE, VAPOR BARRIER
- VCT — VINYL COMPOSITION TILE
- VERT — VERTICAL
- VF — VINYL FLOORING
- VP — VENT PIPE
- VTR — VENT THROUGH ROOF
- VWC — VINYL WALL COVERING

W
- W/ — WITH (COMB. FORM)
- W/O — WITHOUT
- WB — WOOD BASE
- WC — WATER CLOSET
- WD — WIDTH, WINDOW DIMENSION, WOOD
- WDW — WINDOW
- WF — WOOD FLOORING
- WH — WATER HEATER
- WM — WALK-OFF MAT
- WP — WATERPROOF
- WR — WASTE RECEPTACLE
- WS — WEATHERSTRIPPING
- WT — WINDOW TILE

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CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES J. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCO CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

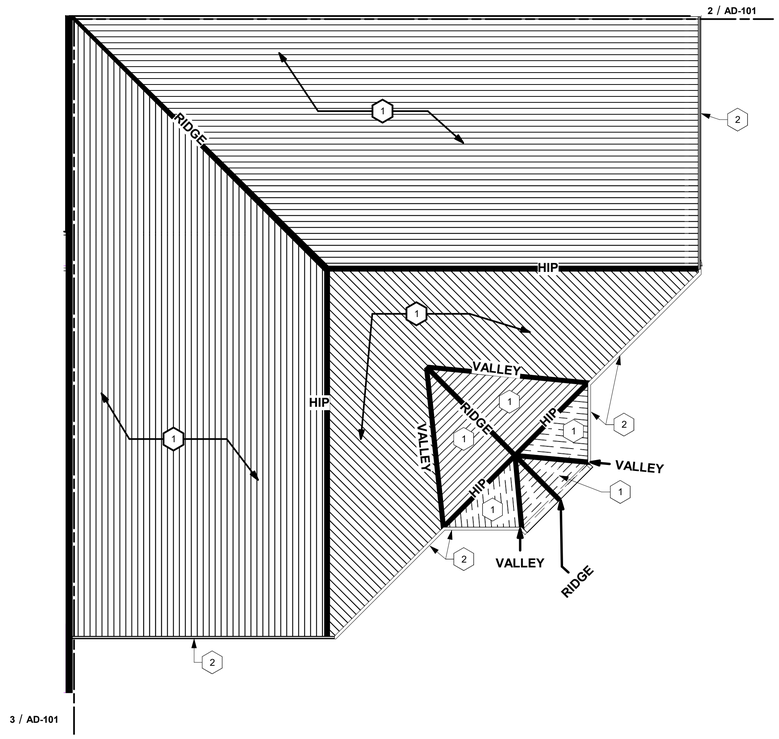
REPAIR ROOF, F200 & REPAIR ROOF, F244

HAUL ROUTE, ABBREVIATIONS, AND COMMON SYMBOLOGY

G-002

1 1/2"(ACTUAL SIZE)

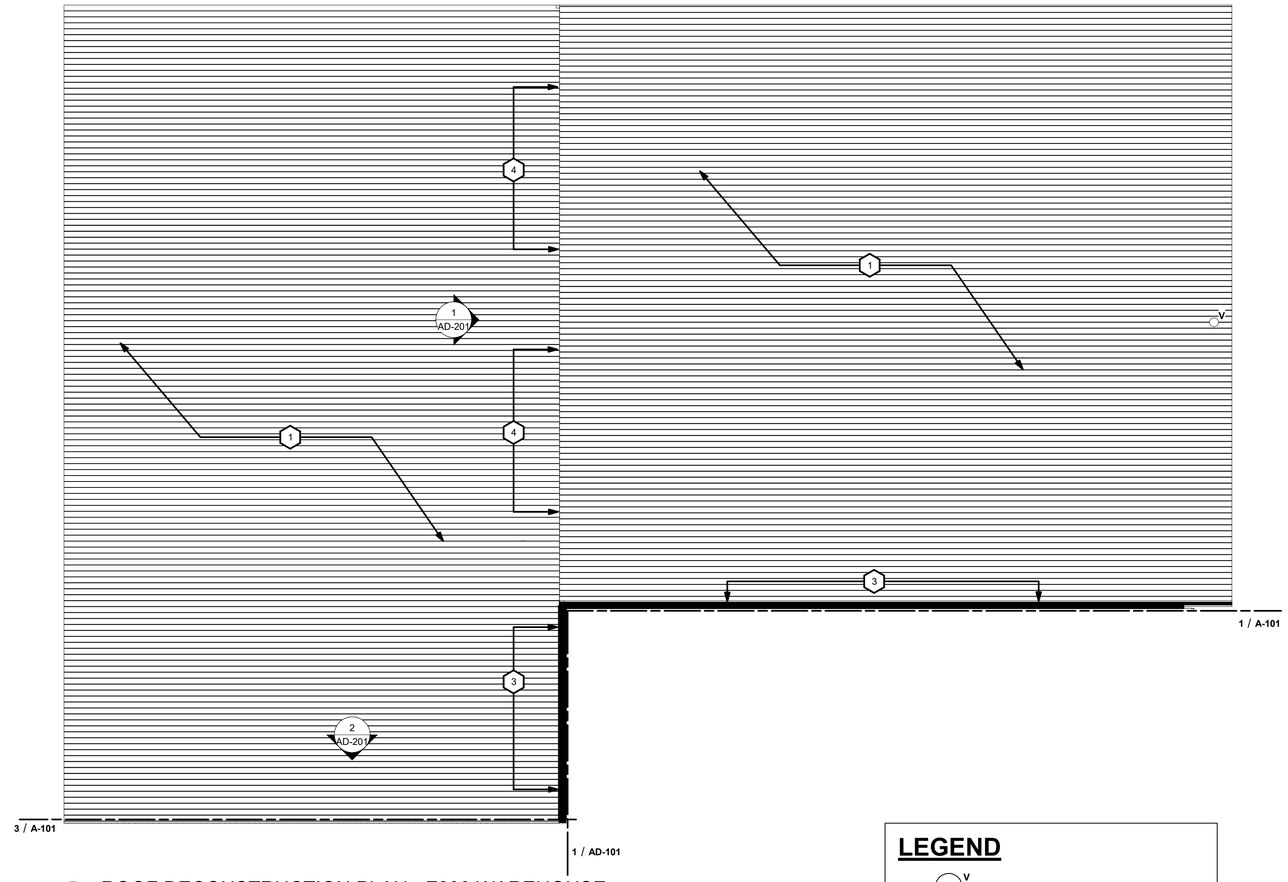
DRAWING SIZE INTENDED TO BE 24" x 36"



1 ROOF DECONSTRUCTION PLAN - F200 ADMIN

SCALE: 1/16" = 1'-0"

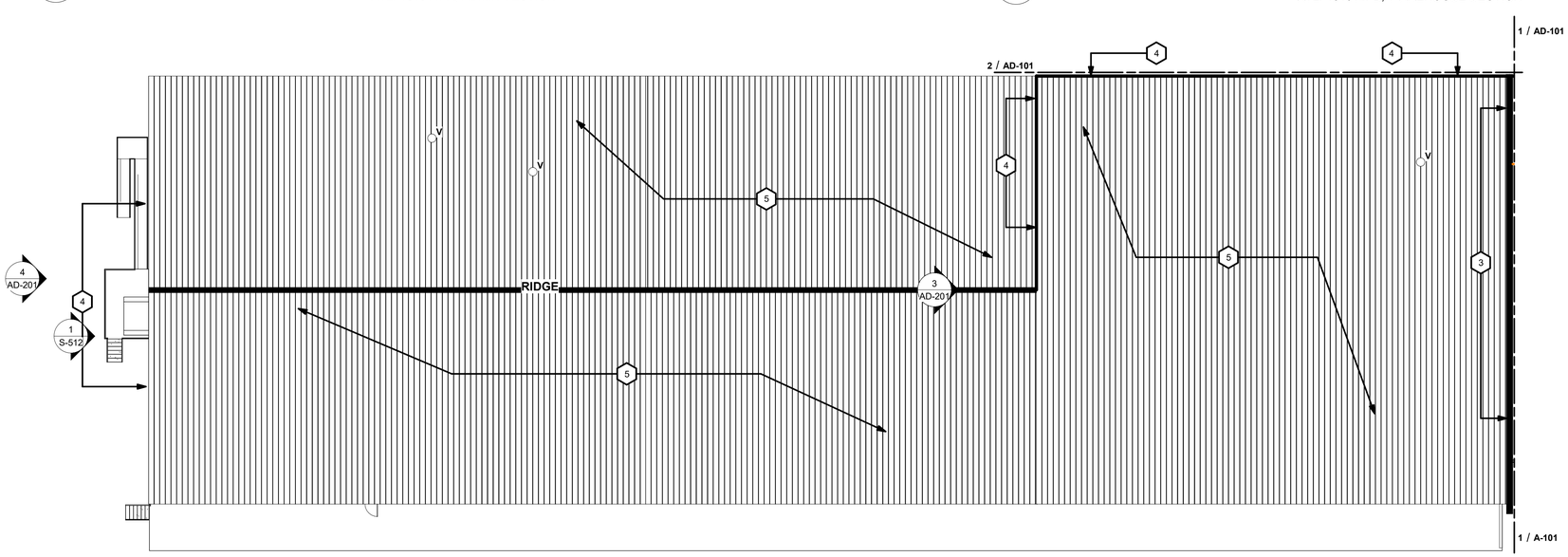
XTLF181014PA, ADMIN SECTION



2 ROOF DECONSTRUCTION PLAN - F200 WAREHOUSE

SCALE: 1/16" = 1'-0"

XTLF181014PB, WAREHOUSE SECTION



3 ROOF DECONSTRUCTION PLAN - F244

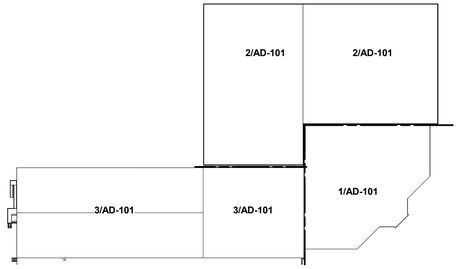
SCALE: 1/16" = 1'-0"

XTLF261020 – REPAIR ROOF, F244

LEGEND

V — VENT (PROTECT DURING DECONSTRUCTION

#	DECONSTRUCTION KEY NOTES
	NOTE DESCRIPTION
1	DECONSTRUCT EXISTING STANDING SEAM METAL ROOF ASSEMBLY TO INCLUDE UNDERAYMENT AND INSULATION. PRESERVE EXISTING STEEL DECK.
2	DECONSTRUCT EXISTING GUTTER, FASCIA PANEL AND SOFFIT. PRESERVE STRUCTURAL MEMBERS.
3	PROTECT EXISTING TILT-UP CONCRETE WALL.
4	DECONSTRUCT EXISTING STANDING SEAM WALL PANELS, INCLUDING UNDERLAYMENT AND SHEATHING AND EXISTING SUPPORT FRAMING, PREPARE FOR REFRAMING OF THE GABLE END.
5	DECONSTRUCT EXISTING STANDING SEAM METAL ROOF ASSEMBLY TO INCLUDE UNDERAYMENT AND INSULATION INCLUDING EXISTING BLOWN-IN INSULATION. PREPARE EXISTING STRUCTURE TO RECEIVE NEW STEEL DECK.



KEY PLAN

NORTH

0 8'-0" 16'-0" 32'-0"

SCALE: 1/16" = 1'-0"

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DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

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DESIGN STAGE: FOR CONSTRUCTION

REPAIR ROOF, F200 & REPAIR ROOF, F244

DECONSTRUCTION ROOF PLAN - F200 ADMINISTRATION, F200 WAREHOUSE, AND F244

AD-101

1 1/2"(ACTUAL SIZE)

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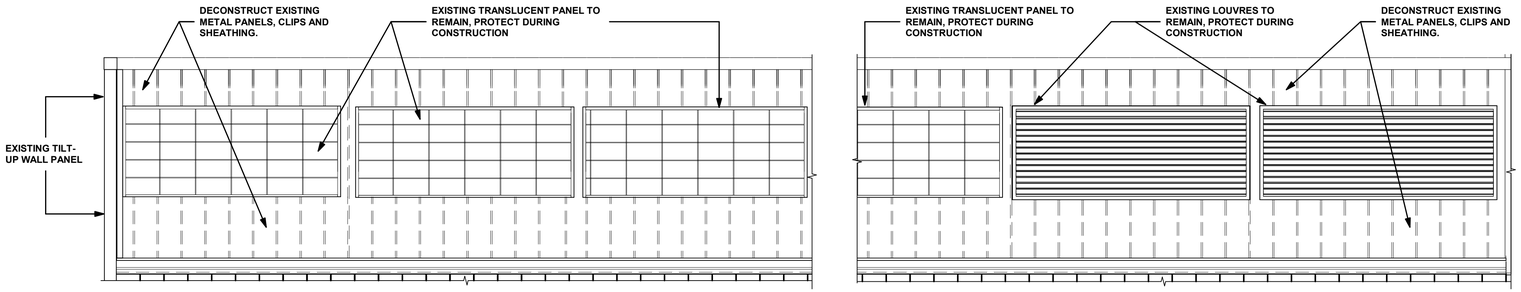
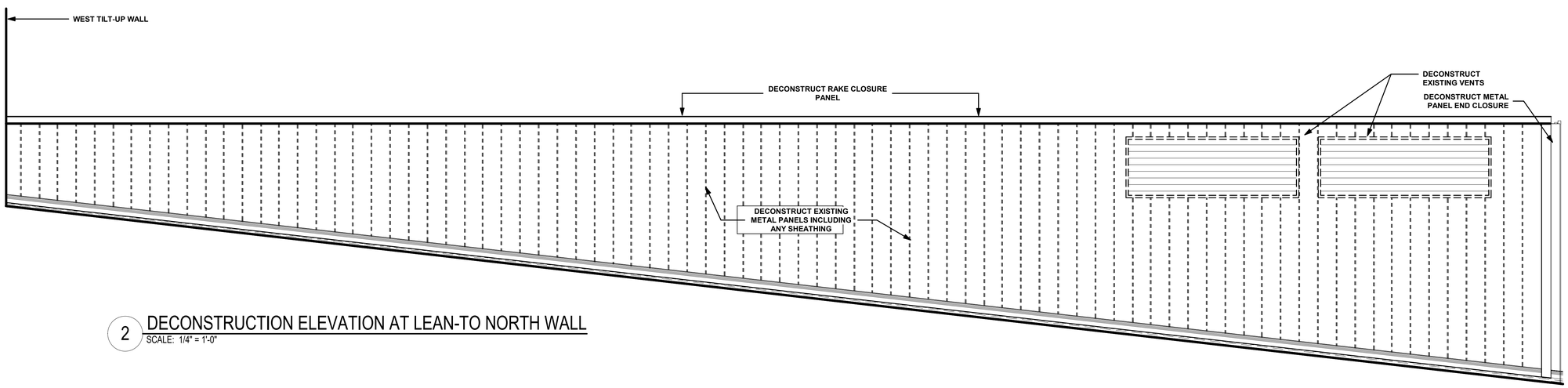


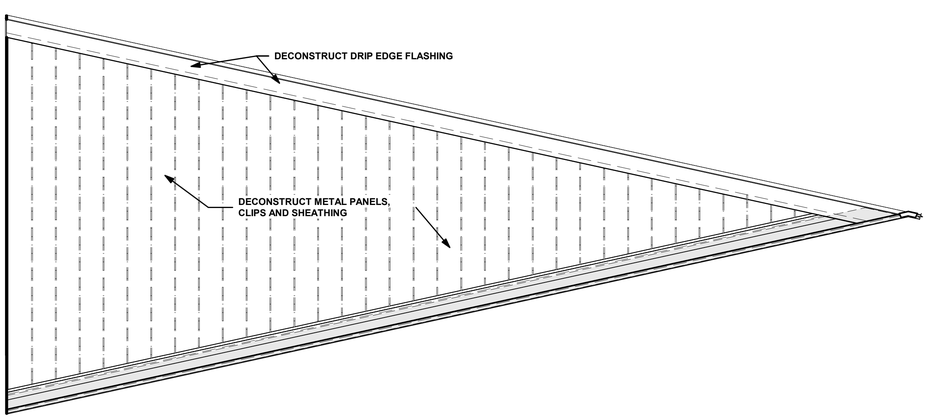
1 DECONSTRUCTION ELEVATION AT WEST CLERESTORY

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



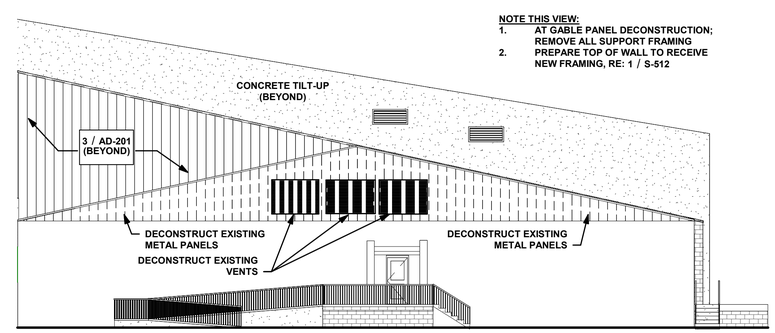
2 DECONSTRUCTION ELEVATION AT LEAN-TO NORTH WALL

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



3 DECONSTRUCTION ELEVATION AT F244 LEAN-TO WEST WALL

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



4 DECONSTRUCTION ELEVATION AT F244 WEST PANEL

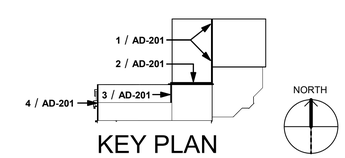
SCALE: 3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"

SCALE: 3/32" = 1'-0"

0 2'-0" 4'-0" 8'-0"

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



KEY PLAN

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30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER
CHARLES A. SNYDER
29625
OKLAHOMA
9-12-2

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

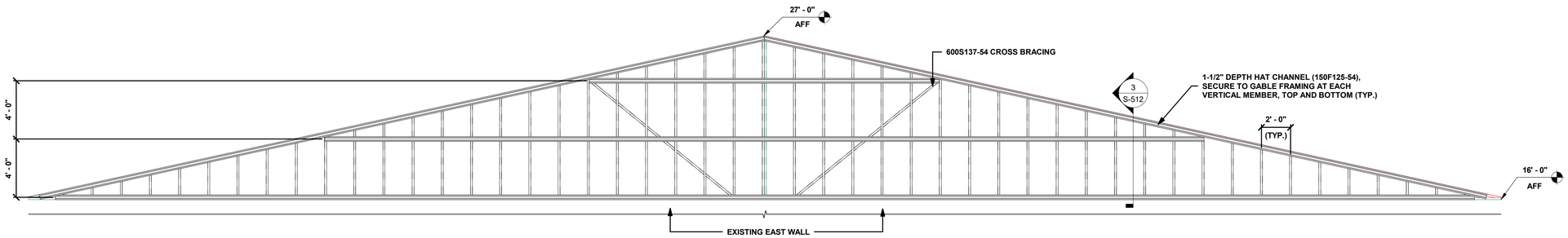
REPAIR ROOF, F200 & REPAIR ROOF, F244

DECONSTRUCTION ELEVATION AT NEW WALL PANELS

AD-201

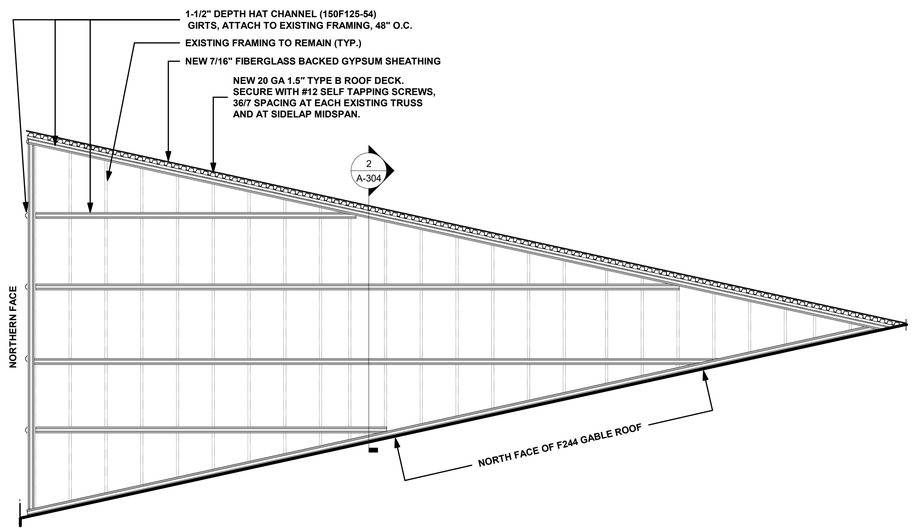
1 1/2"(ACTUAL SIZE)

DRAWING SIZE INTENDED TO BE 24" x 36"



1 F244 GABLE END FRAMING

1/4" = 1'-0"

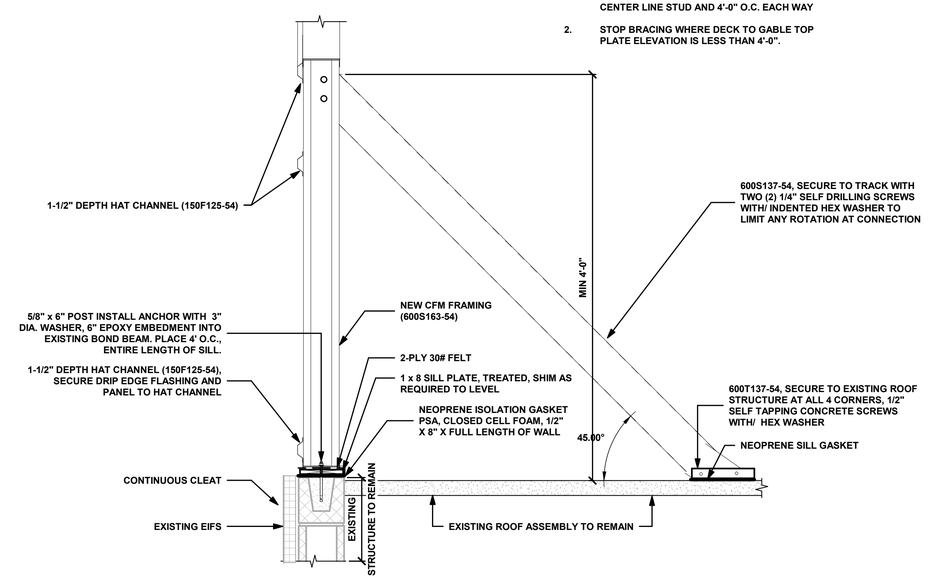


2 STRUCTURAL FRAMING AT LEAN-TO WEST WALL

1/4" = 1'-0"

NOTES THIS VIEW:

1. SUPPORT BRACING TO BE SPACED AT CENTER LINE STUD AND 4'-0" O.C. EACH WAY
2. STOP BRACING WHERE DECK TO GABLE TOP PLATE ELEVATION IS LESS THAN 4'-0".



3 GABLE FRAMING ATTACHMENT DETAIL

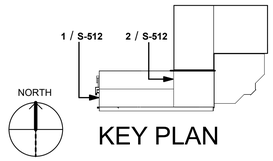
1" = 1'-0"

GENERAL STRUCTURAL NOTES

1. ALL CONNECTIONS TO EXISTING STRUCTURE WILL BE MECHANICALLY FASTENED.

0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"

0 6" 1'-0" 2'-0"
SCALE: 1" = 1'-0"



KEY PLAN

UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2024

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER
CHARLES C. SNYDER
29625
OKLAHOMA
9-12-25

DRAWN BY: Author CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

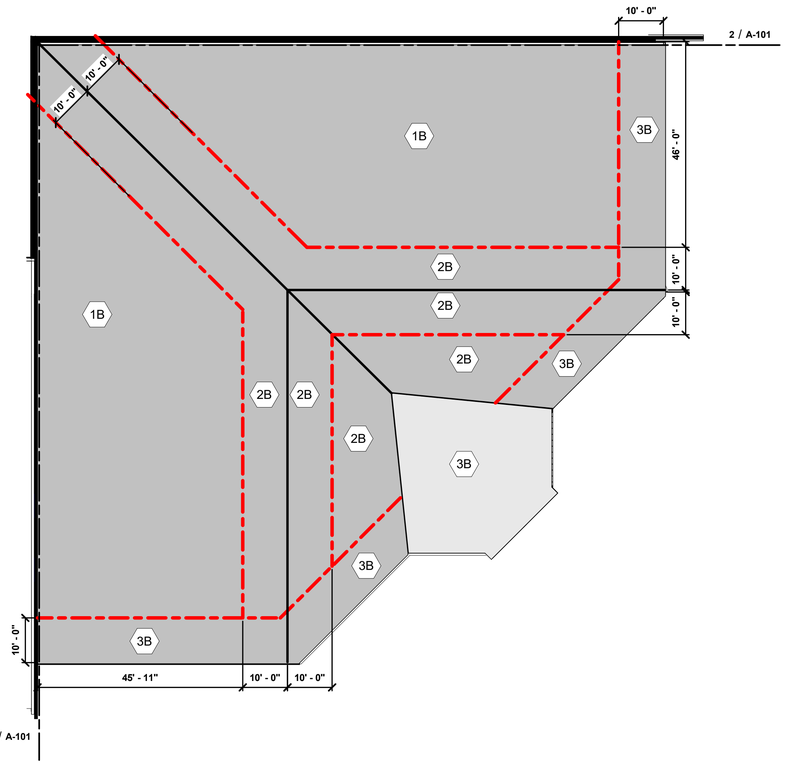
REPAIR ROOF, F200 & REPAIR ROOF, F244

PANEL FRAMING DETAILS

S-512

1 1/2"(ACTUAL SIZE)

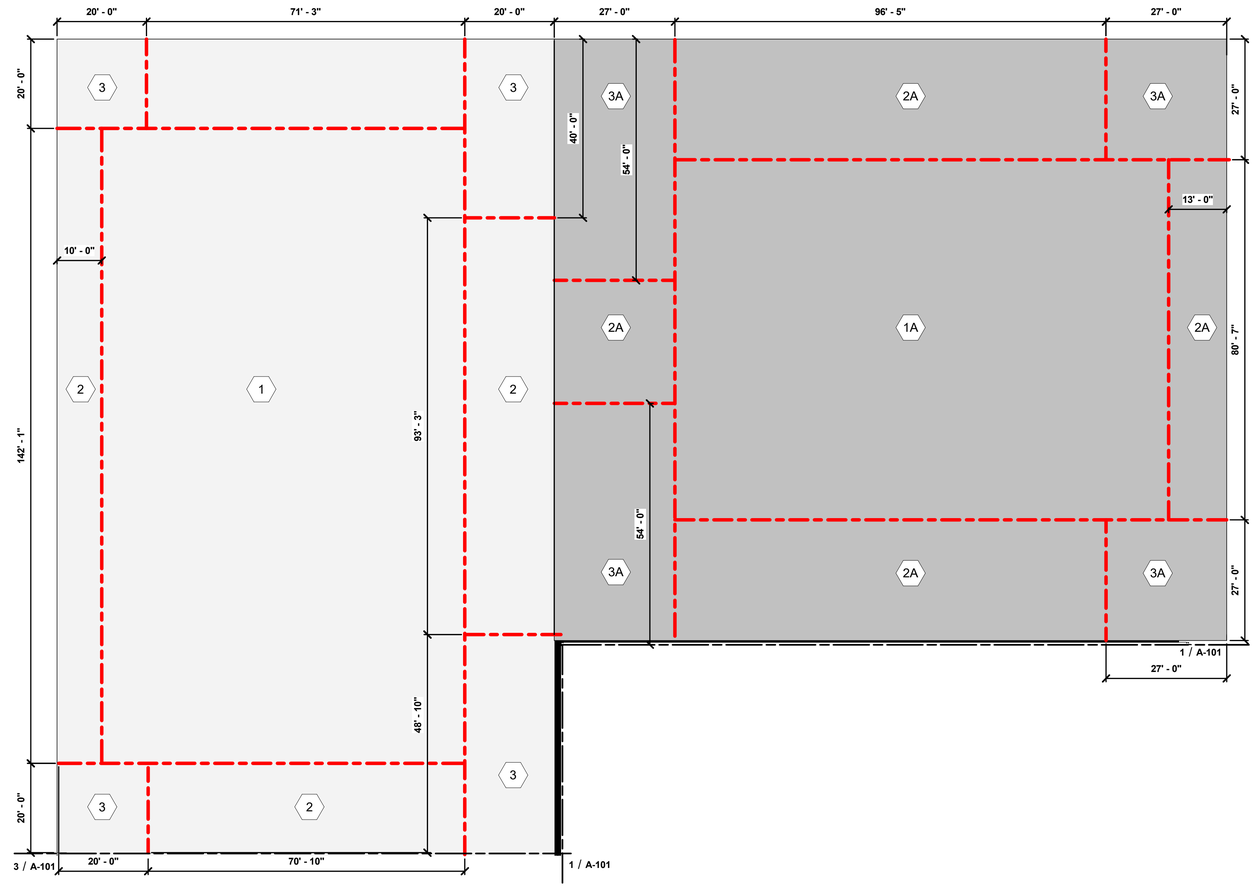
DRAWING SIZE INTENDED TO BE 24" x 36"



1 UPLIFT DIAGRAM - F200 ADMIN

1/16" = 1'-0"

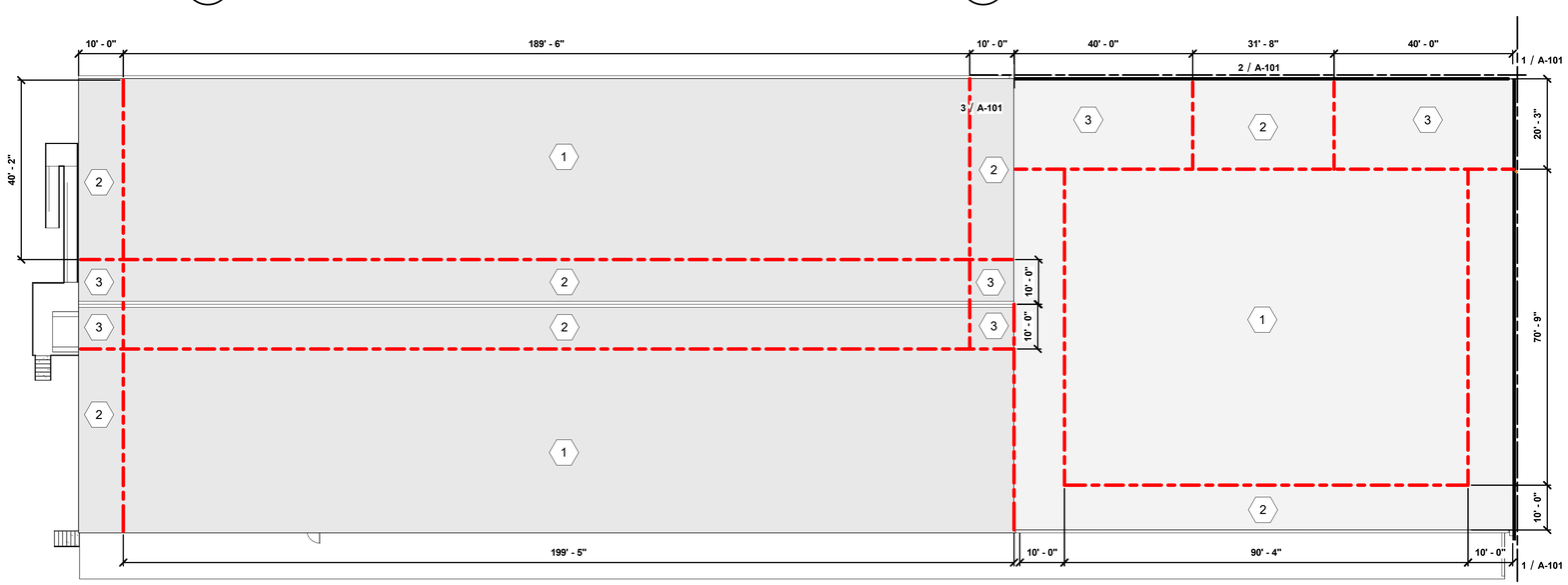
XTLF181014PA, ADMIN SECTION



2 UPLIFT DIAGRAM - F200 WAREHOUSE

1/16" = 1'-0"

XTLF181014PB, WAREHOUSE SECTION



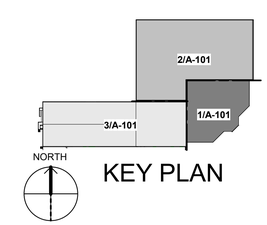
3 UPLIFT DIAGRAM - F244

1/16" = 1'-0"

XTLF261020 – REPAIR ROOF, F244

UPLIFT VALUES LEGEND

1	- 54.0 PSI
2	- 71.3 PSI
3	- 93.6 PSI
1A	- 58.0 PSI
2A	- 76.6 PSI
3A	- 100.5 PSI
1B	- 54.2 PSI
2B	- 70.6 PSI
3B	- 76.1 PSI



KEY PLAN

0 8" 1'-4" 2'-8"

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

0 8'-0" 16'-0" 32'-0"

SCALE: 1/16" = 1'-0"

REPAIR ROOF, F200 & REPAIR ROOF, F244

DATE: 09/12/2025

UNITED STATES AIR FORCE
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Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES T. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

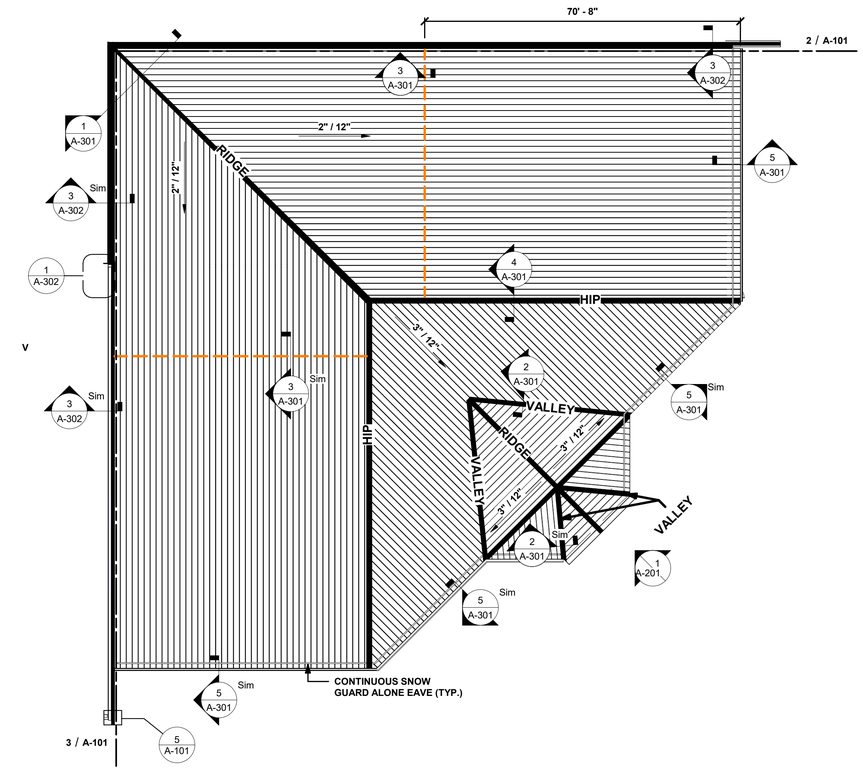
REPAIR ROOF, F200 & REPAIR ROOF, F244

UPLIFT DIAGRAM - F200 ADMINISTRATION, F200 WAREHOUSE, AND F244

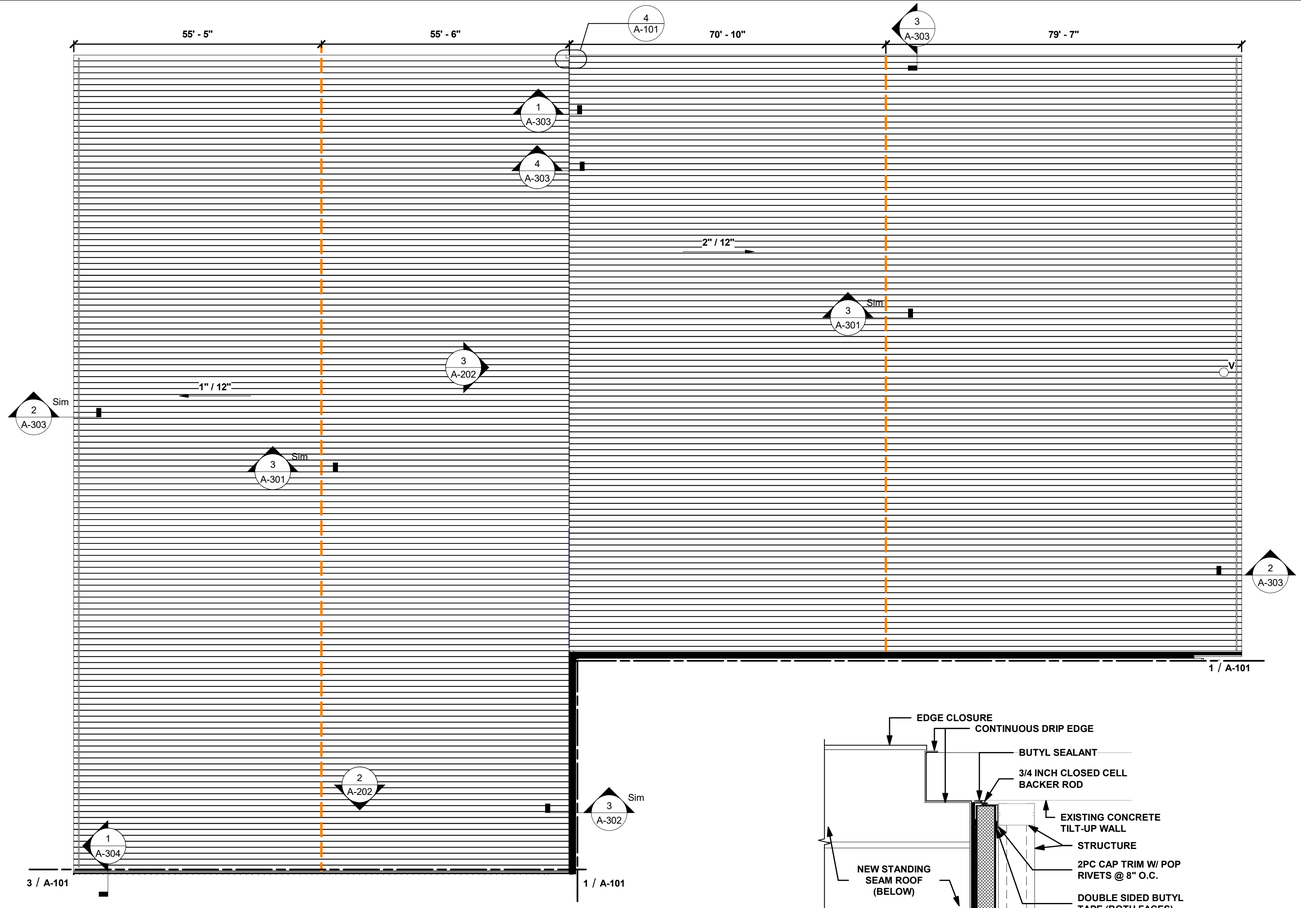
S-601

1 1/2"(ACTUAL SIZE)

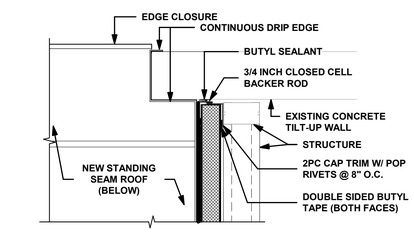
DRAWING SIZE INTENDED TO BE 24" x 36"



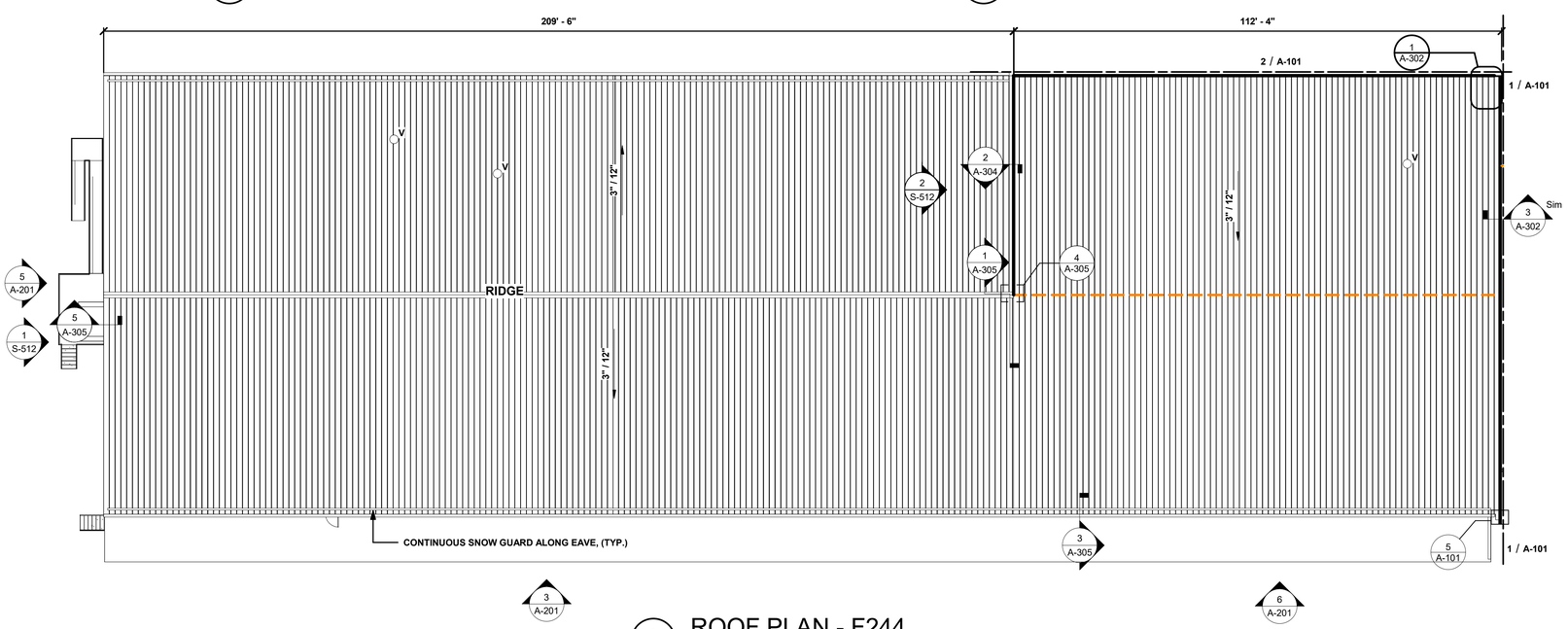
1 ROOF PLAN - F200 ADMIN
1/16" = 1'-0"
XTLF181014PA, ADMIN SECTION



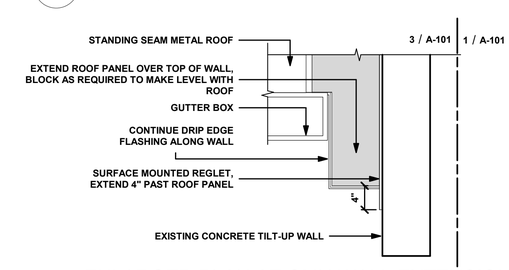
2 ROOF PLAN - F200 WAREHOUSE
1/16" = 1'-0"
XTLF181014PB, WAREHOUSE SECTION



4 ENLARGED PLAN AT IMP TO TILT-UP WALL
SCALE: 1" = 1'-0"



3 ROOF PLAN - F244
1/16" = 1'-0"
XTLF261020 – REPAIR ROOF, F244



5 ENLARGED PLAN AT CMU WALL EXTENSION
SCALE: 1" = 1'-0"

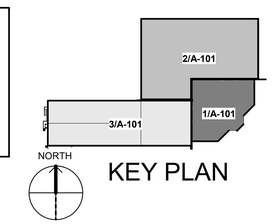
GENERAL NOTES:

1. CONTRACTOR TO DETERMINE EXISTING ROOF SLOPES.
2. MATCH EXISTING SLOPES USING NEW MATERIALS IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
3. GABLE ROOF AT F244 SHALL BE SECURED WITH CONTINUOUS CLIPS.
4. THE LEAN-TO ROOF AT F244, F200 ADMINISTRATION AND F200 WAREHOUSE ROOFS SHALL BE SECURED WITH EXPANSION CLIPS. REFERENCE SPECIFICATIONS FOR REQUIRED SUBMITTAL.

LEGEND

PANEL EXPANSION RE: 3 / A-301

V — VENT



KEY PLAN

0 8" 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"
0 8'-0" 16'-0" 32'-0"
SCALE: 1/16" = 1'-0"

73d FLYING TRAINING WING
UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES J. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

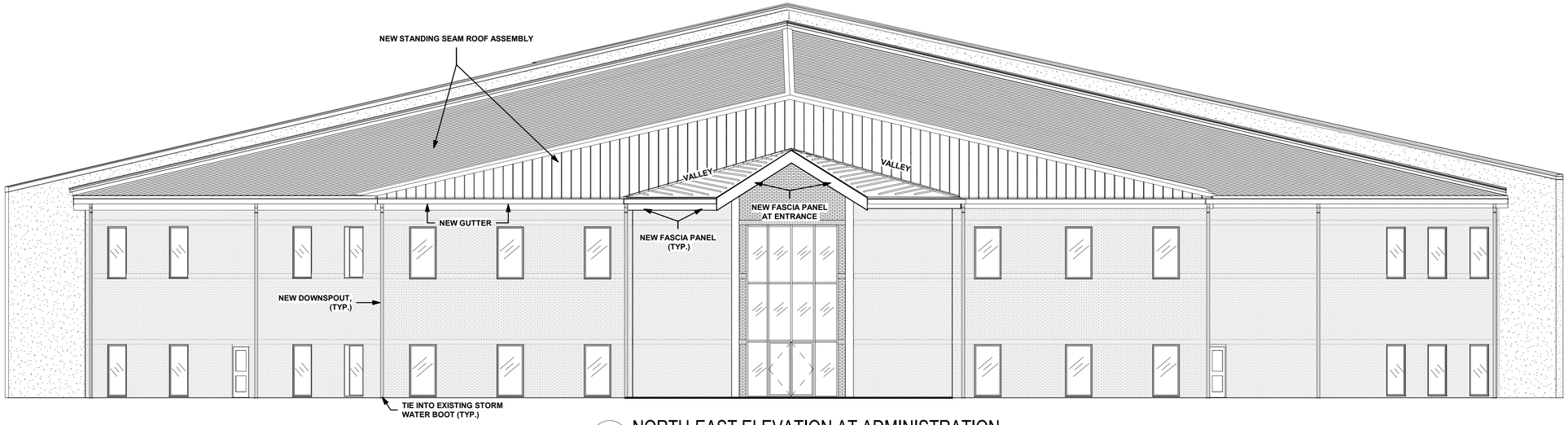
REPAIR ROOF, F200 & REPAIR ROOF, F244

ROOF PLAN - F200ADMINISTRATION, F200 WAREHOUSE, AND F244

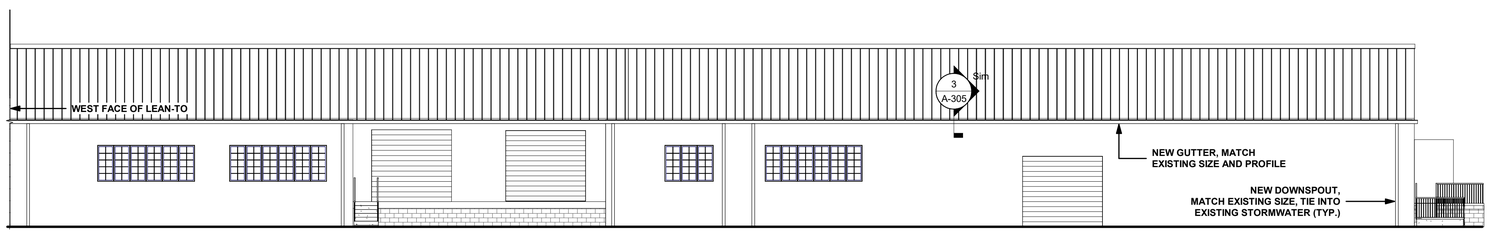
A-101

1 1/2"(ACTUAL SIZE)

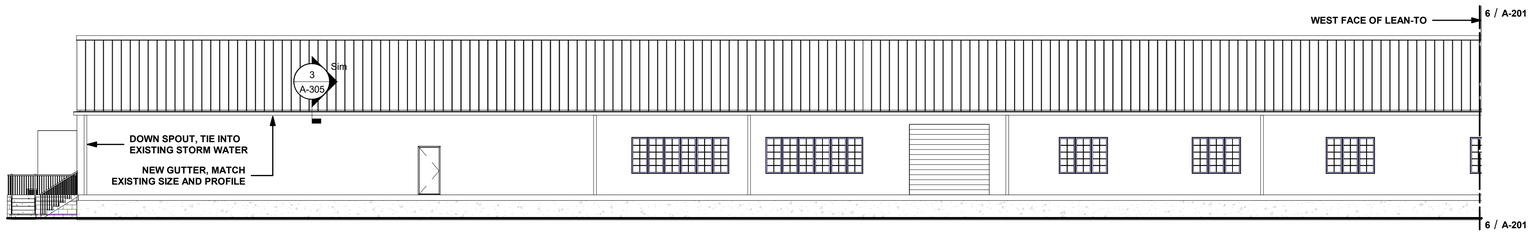
DRAWING SIZE INTENDED TO BE 24" x 36"



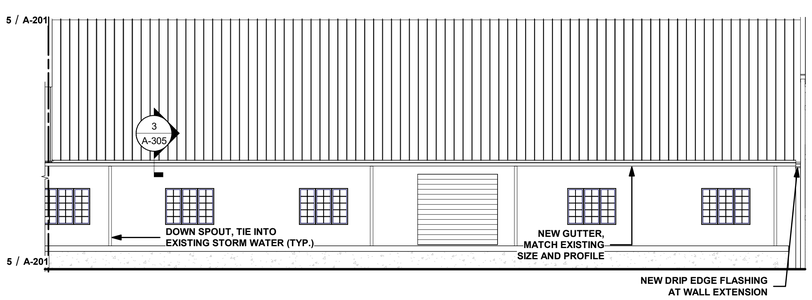
1 NORTH-EAST ELEVATION AT ADMINISTRATION
SCALE: 1/8" = 1'-0"



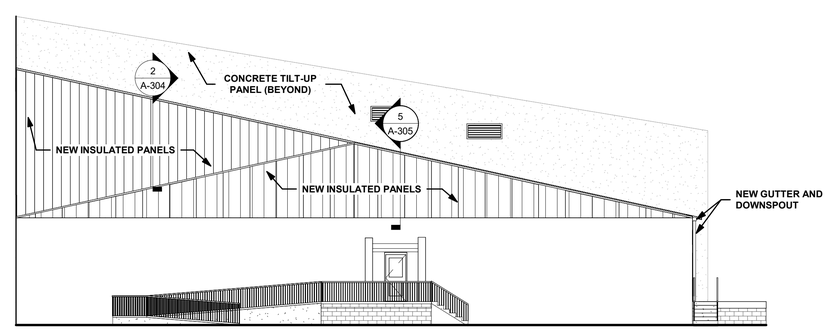
2 NORTH ELEVATION AT F244
3/32" = 1'-0"



3 SOUTH ELEVATION AT F244
3/32" = 1'-0"



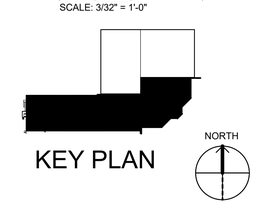
6 SOUTH ELEVATION AT F244 LEAN-TO
3/32" = 1'-0"



5 WEST ELEVATION AT F244
SCALE: 3/32" = 1'-0"

0 4'-0" 8'-0" 16'-0"
SCALE: 1/8" = 1'-0"

0 5'-4" 10'-8" 21'-4"
SCALE: 3/32" = 1'-0"



KEY PLAN

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(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER
CHARLES SNYDER
29625
OKLAHOMA
9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

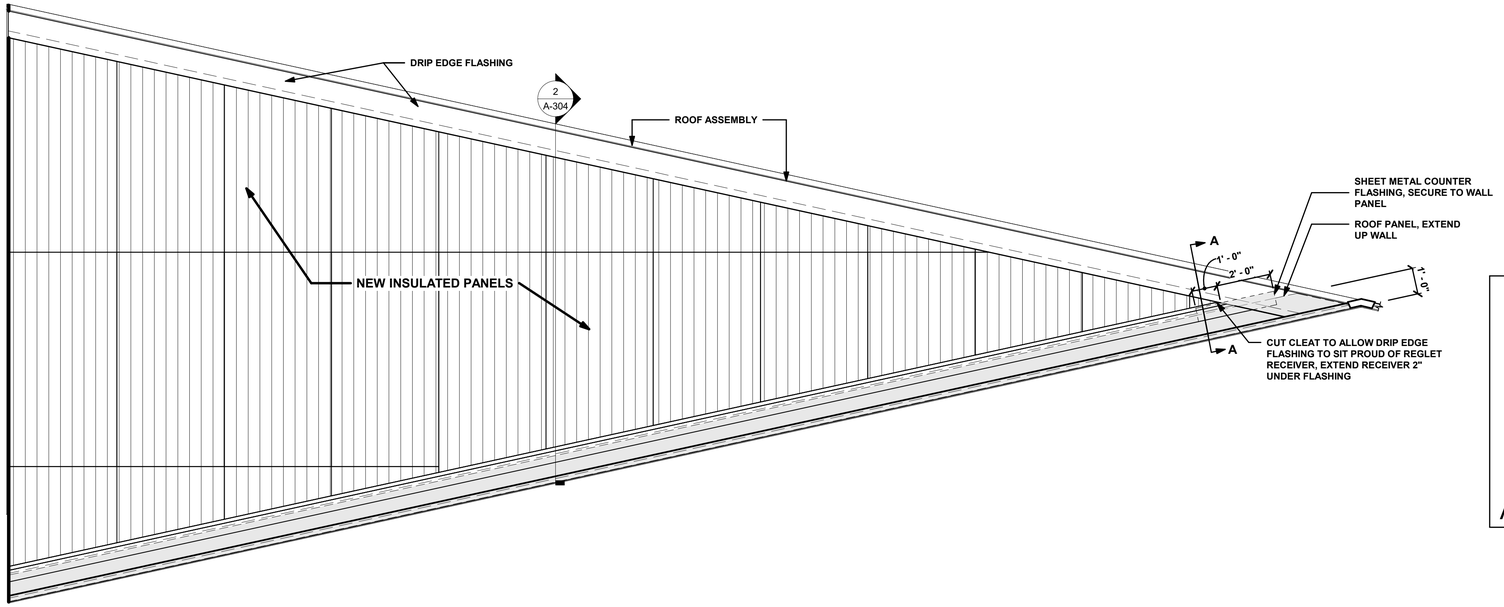
REPAIR ROOF, F200 & REPAIR ROOF, F244

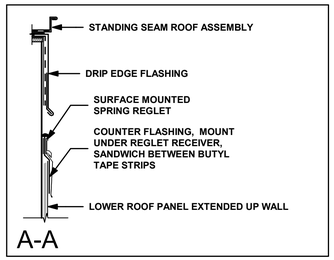
ELEVATIONS AT ADMINISTRATION

A-201

1 1/2"(ACTUAL SIZE)

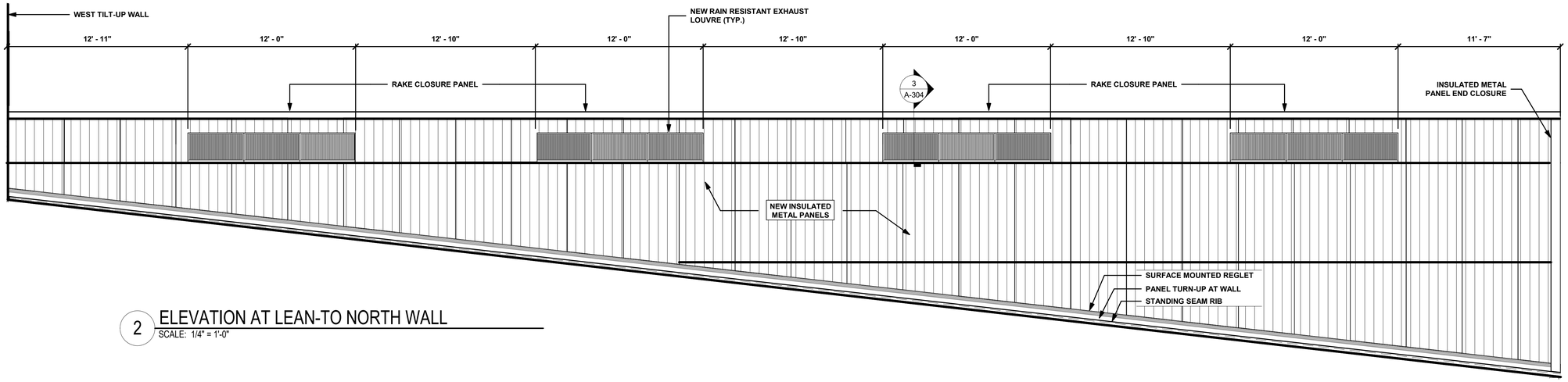
DRAWING SIZE INTENDED TO BE 24" x 36"





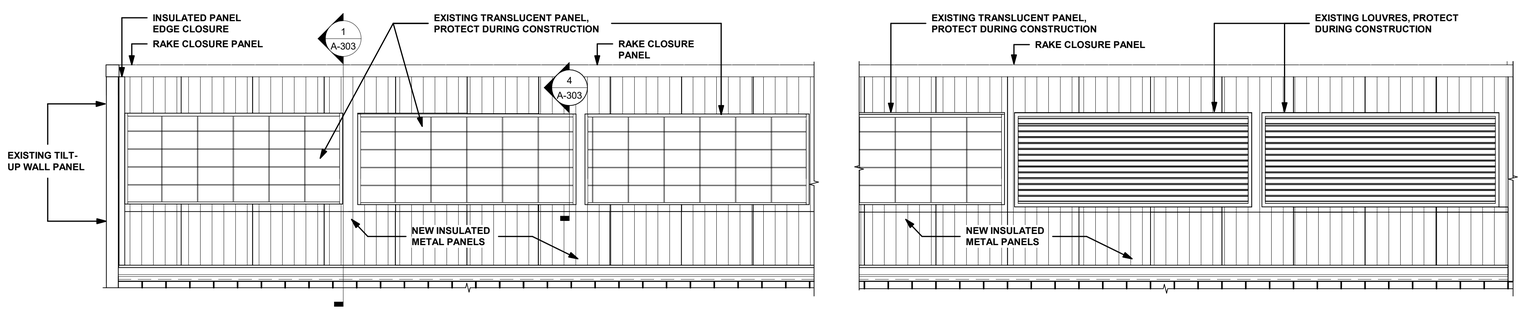
1 ELEVATION AT F244 LEAN-TO WEST WALL

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



2 ELEVATION AT LEAN-TO NORTH WALL

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



3 ELEVATION AT EAST CLERESTORY

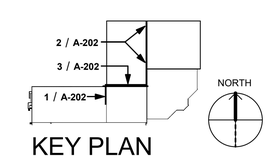
SCALE: 1/4" = 1'-0"

0 1'-4" 2'-8" 5'-4"

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

0 2'-0" 4'-0" 8'-0"

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



KEY PLAN

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(580) 213-7772
CA# 8716
30 JUNE 2024

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES A. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

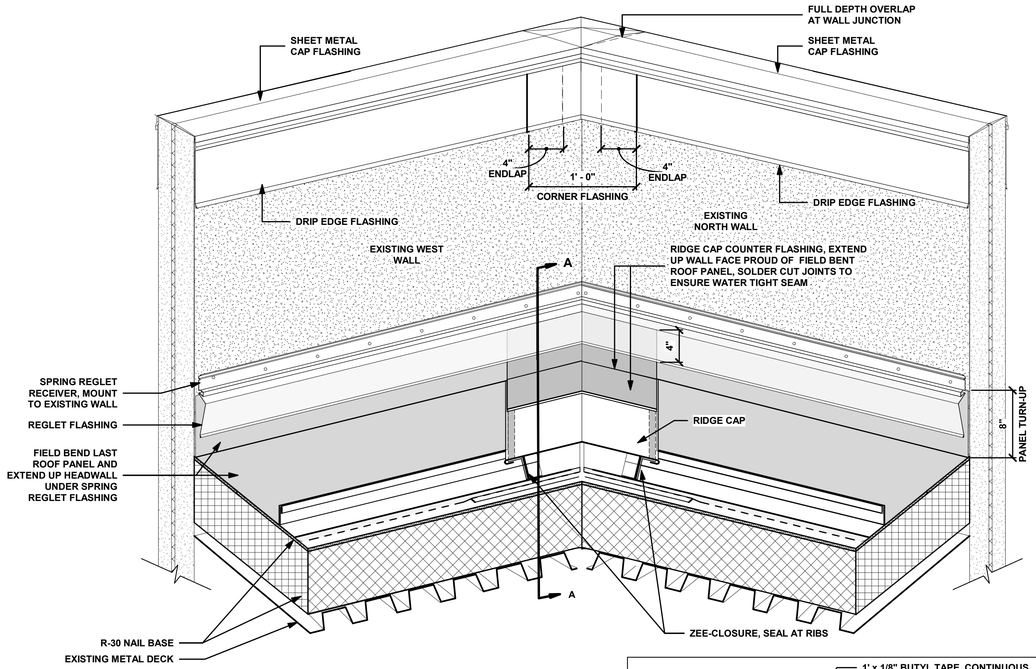
REPAIR ROOF, F200 & REPAIR ROOF, F244

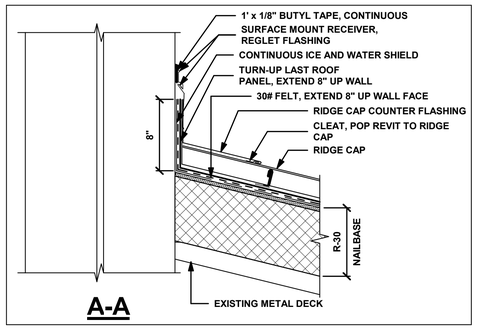
ELEVATION AT NEW WALL PANELS

A-202

1 1/2"(ACTUAL SIZE)

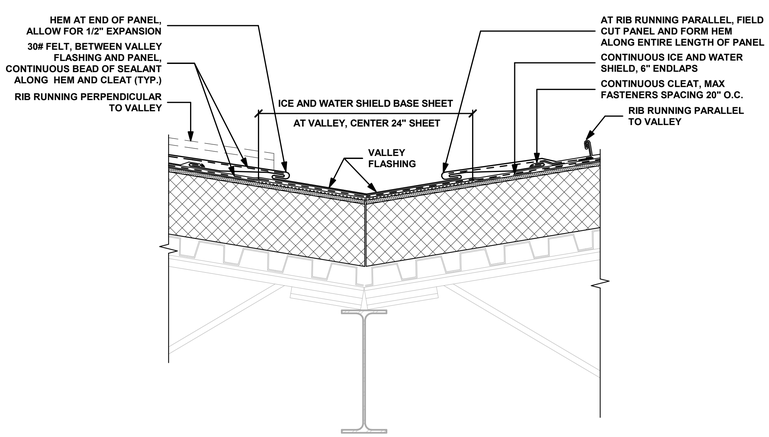
DRAWING SIZE INTENDED TO BE 24" x 36"





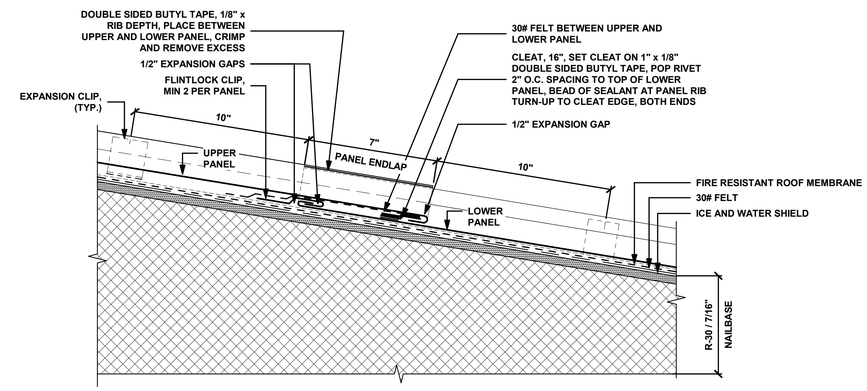
1 ISOMETRIC AT RIDGE TOP

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



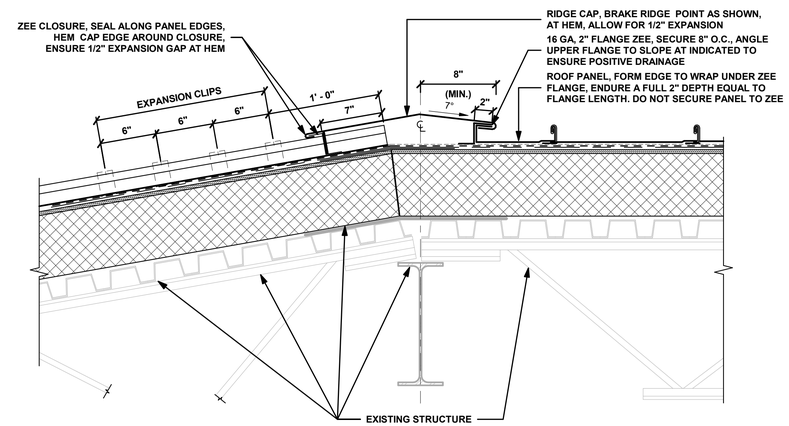
2 SECTION AT VALLEY (TYP.)

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



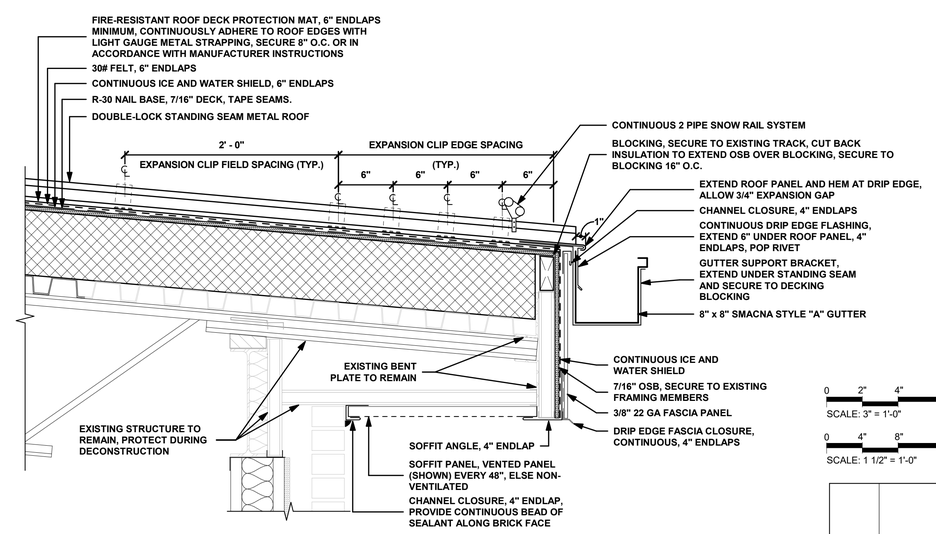
3 SECTION AT MID-FIELD EXPANSION (TYP.)

SCALE: 3" = 1'-0"



4 SECTION AT HIP

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

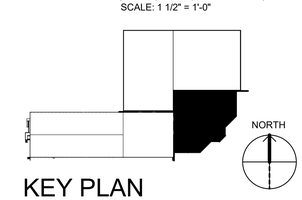


5 SECTION AT EAVE (TYP)

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

0 2" 4" 8"
SCALE: 3" = 1'-0"

0 4" 8" 1'-4"
SCALE: 1 1/2" = 1'-0"



KEY PLAN

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CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES A. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

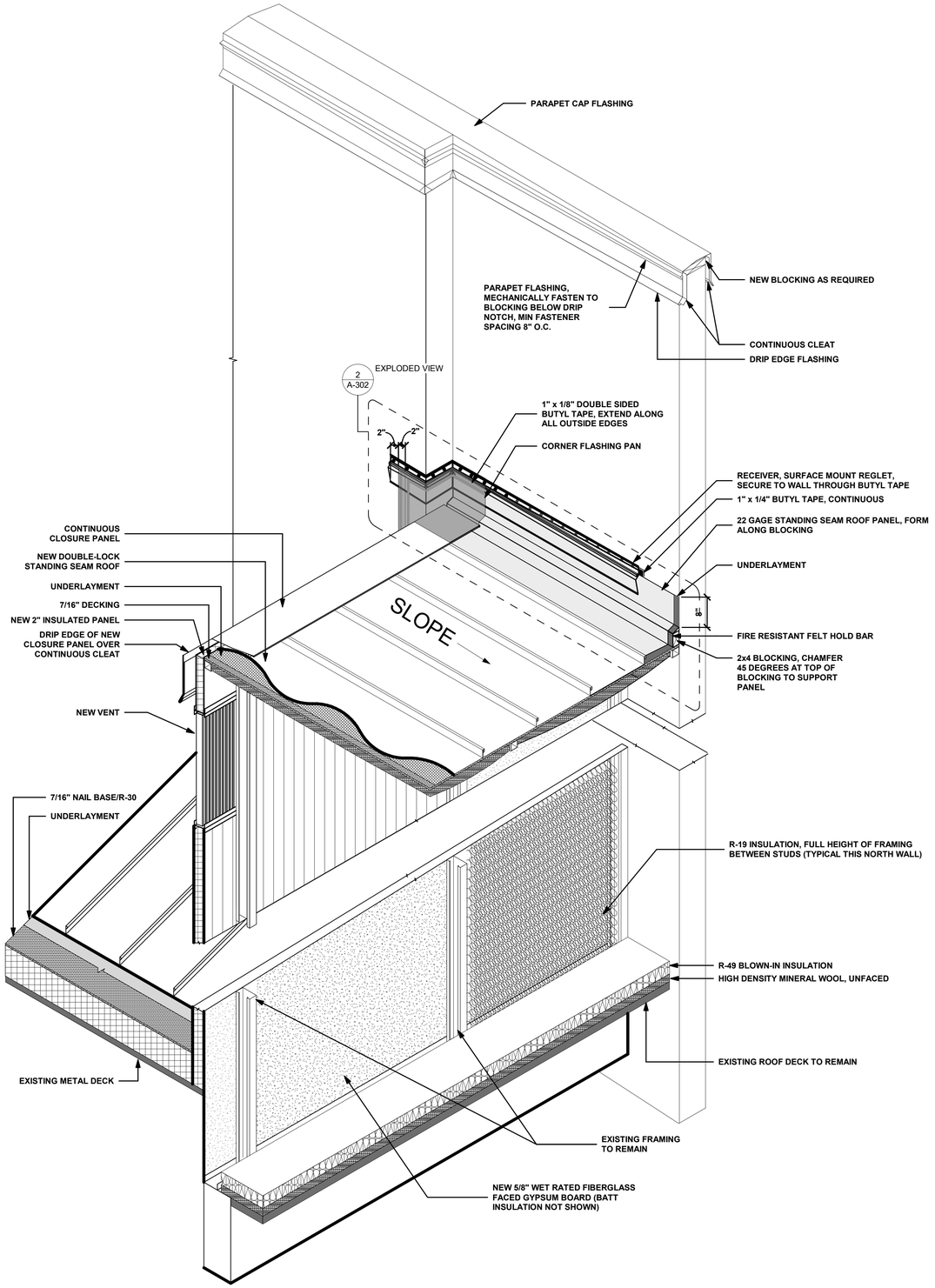
REPAIR ROOF, F200 & REPAIR ROOF, F244

BUILDING & WALL SECTIONS AT ADMINISTRATION

A-301

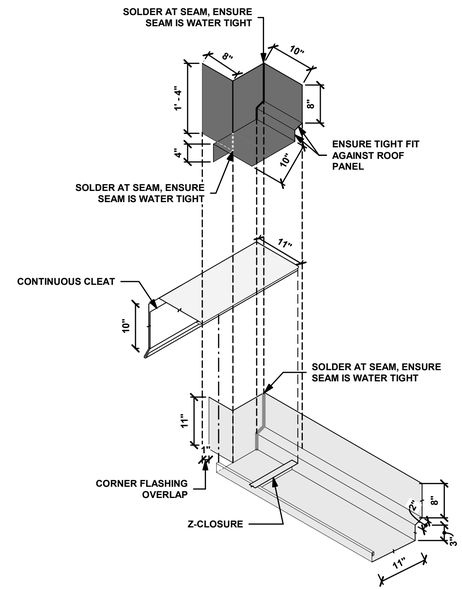
1 1/2"(ACTUAL SIZE)

DRAWING SIZE INTENDED TO BE 24" x 36"



1 ISOMETRIC AT F244 NORTHWEST CORNER

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



2 CORNER FLASHING, EXPLODED VIEW

3/4" = 1'-0"

CORNER FLASHING PAN

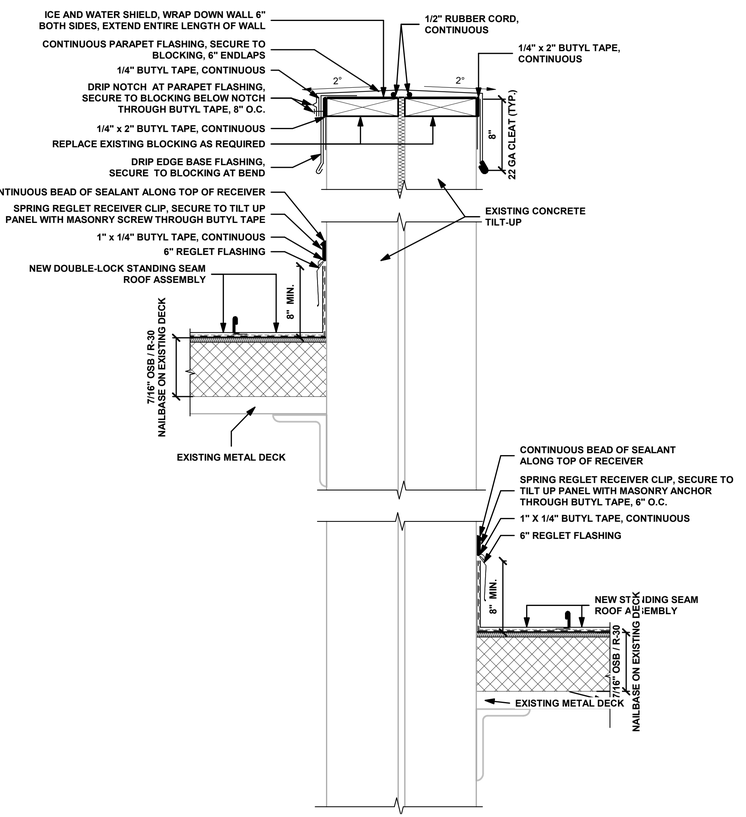
1. RUN 1"x 1/8" DOUBLE SIDED BUTYL TAPE ALONG ALL OUTSIDE EDGES
2. ENSURE PAN IS FLUSH WITH WALL FACES AND SITS FLAT ON CLOSURE PANEL
3. POP RIVET TO Z- CLOSURE THROUGH CLOSURE PANEL
4. 22 GAGE MINIMUM, GALVANIZED, PAINT TO MATCH ROOF PANEL

CLOSURE PANEL

1. PROVIDED BY ROOF PANEL MANUFACTURER
2. ALLOW FOR MIN 1/2" EXPANSION AT Z-CLOSURE HEM

STANDING SEAM METAL ROOF PANEL

1. PROVIDED SINGLE WIDTH PANEL TO MEET DESIGN INTENT
2. PANEL WILL BE THE SAME GAGE THICKNESS AS ALL OTHER PANELS



3 SECTION AT TILT-UP WALL ROOF

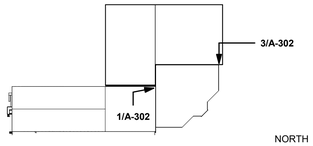
SCALE: 1 1/2" = 1'-0"

0 2" 4" 8"

SCALE: 3" = 1'-0"

0 4" 8" 1'-4"

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



KEY PLAN

NORTH

71st FLYING TRAINING WING

UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES L. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

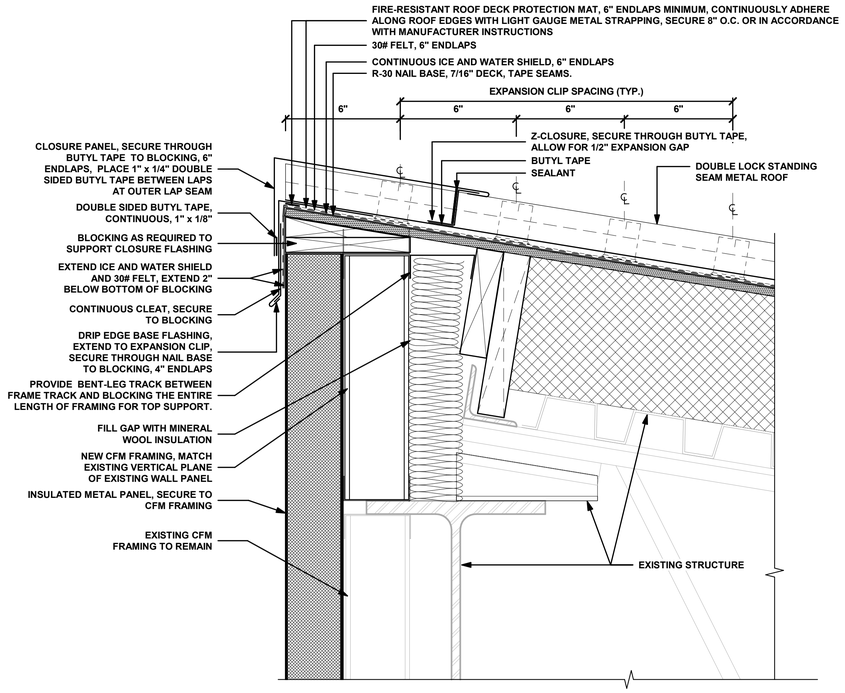
REPAIR ROOF, F200 & REPAIR ROOF, F244

BUILDING & WALL SECTIONS AT EAVE AND TILT-UP WALL

A-302

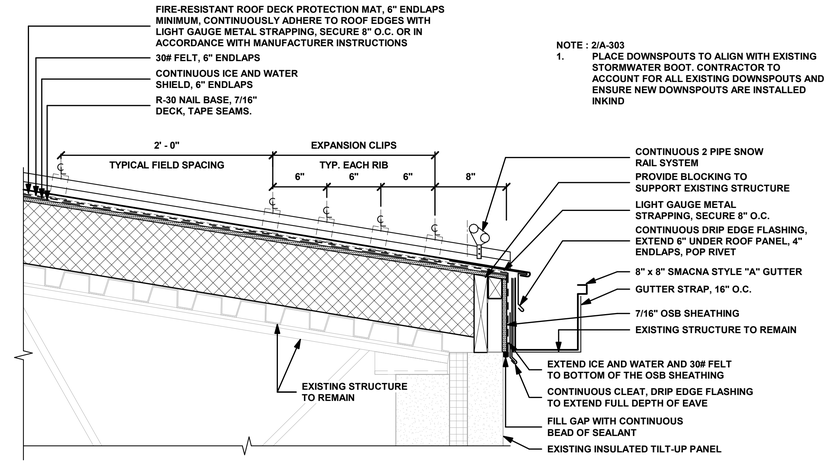
1 1/2"(ACTUAL SIZE)

DRAWING SIZE INTENDED TO BE 24" x 36"



1 SECTION AT WAREHOUSE

SCALE: 3" = 1'-0"

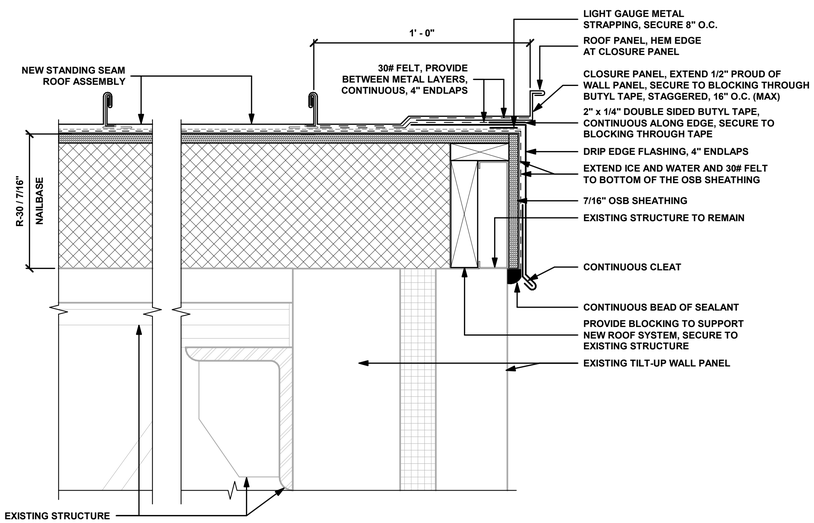


NOTE : 2/A-303

1. PLACE DOWNSPOUTS TO ALIGN WITH EXISTING STORMWATER BOOT. CONTRACTOR TO ACCOUNT FOR ALL EXISTING DOWNSPOUTS AND ENSURE NEW DOWNSPOUTS ARE INSTALLED INKIND

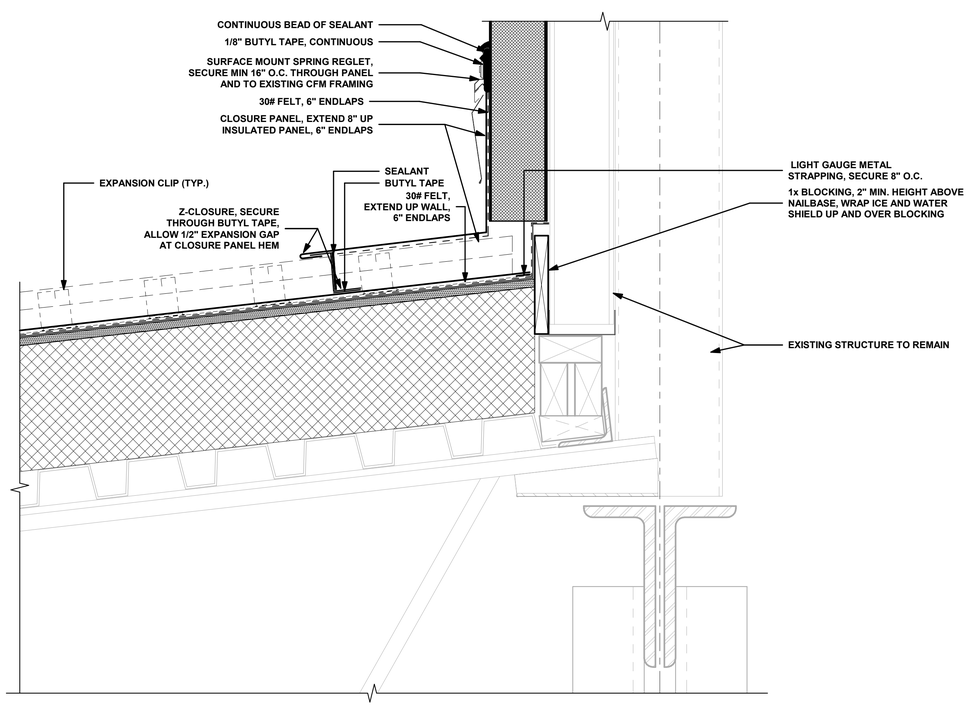
2 SECTION AT WAREHOUSE EAVE

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



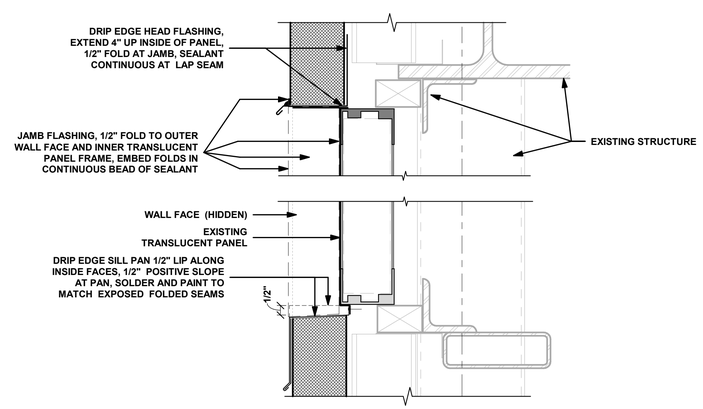
3 SECTION AT WAREHOUSE NORTH WALL

SCALE: 3" = 1'-0"



4 SECTION AT WAREHOUSE WALL OPENING

SCALE: 3" = 1'-0"

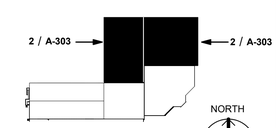


0 2" 4" 8"

SCALE: 3" = 1'-0"

0 4" 8" 1'-4"

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



KEY PLAN

UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER
CHARLES CLAYTON SNYDER
29625
OKLAHOMA
9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

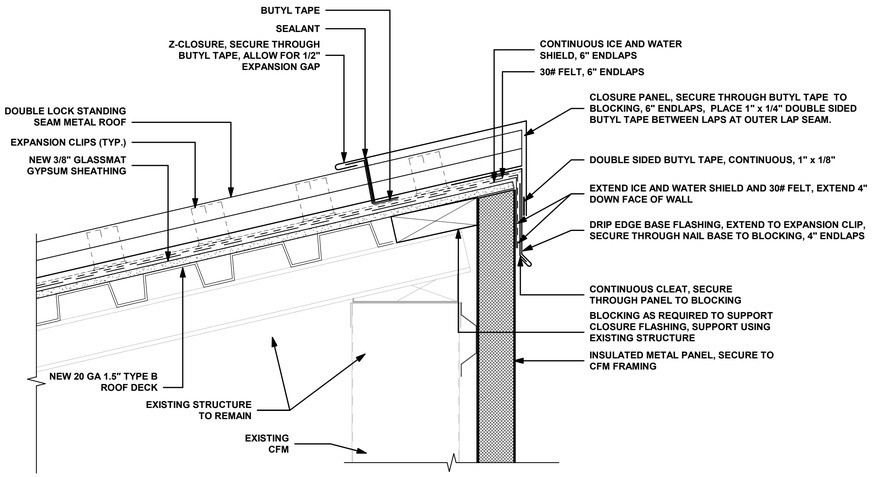
REPAIR ROOF, F200 & REPAIR ROOF, F244

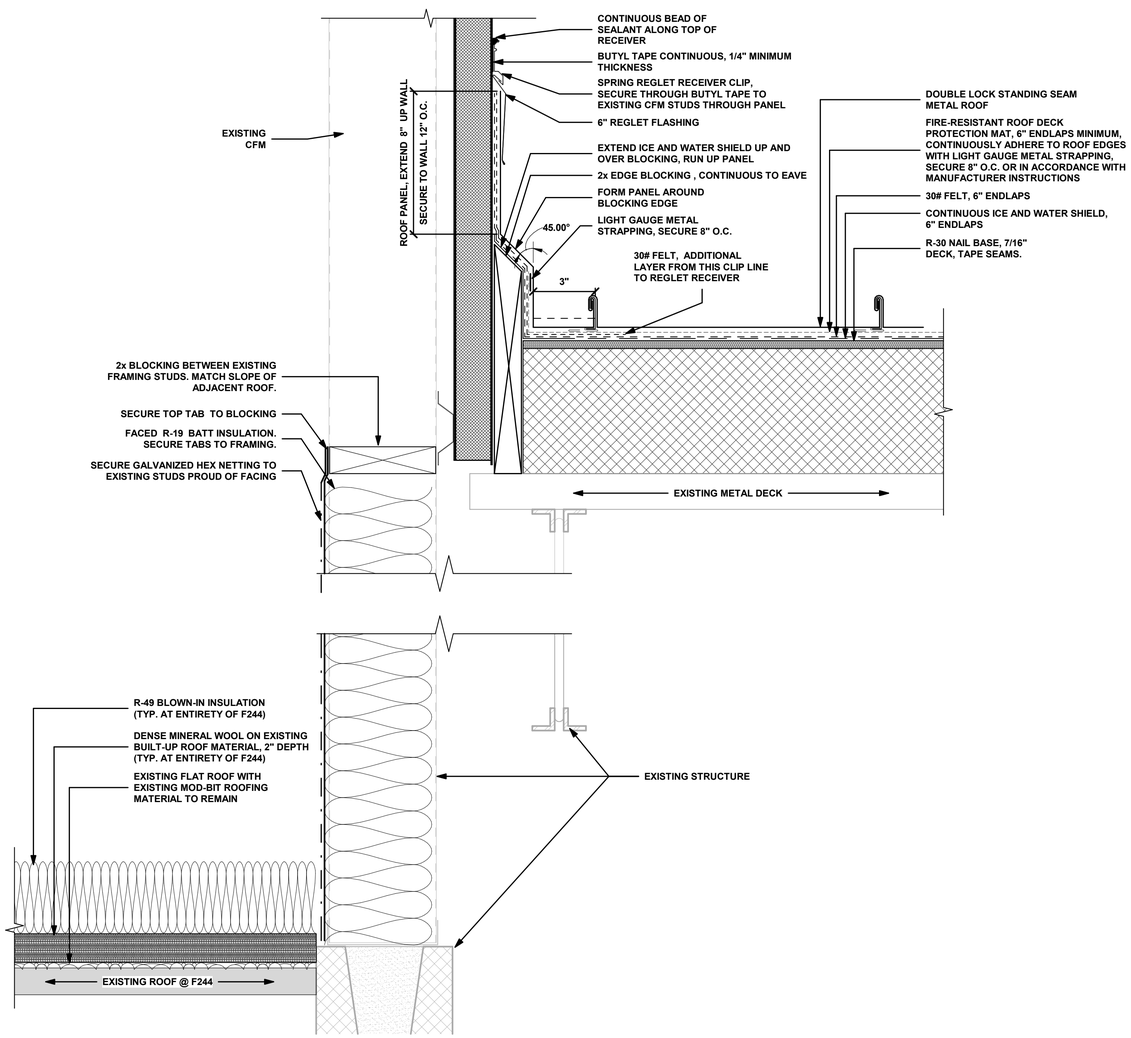
BUILDING & WALL SECTIONS AT WAREHOUSE

A-303

1 1/2"(ACTUAL SIZE)

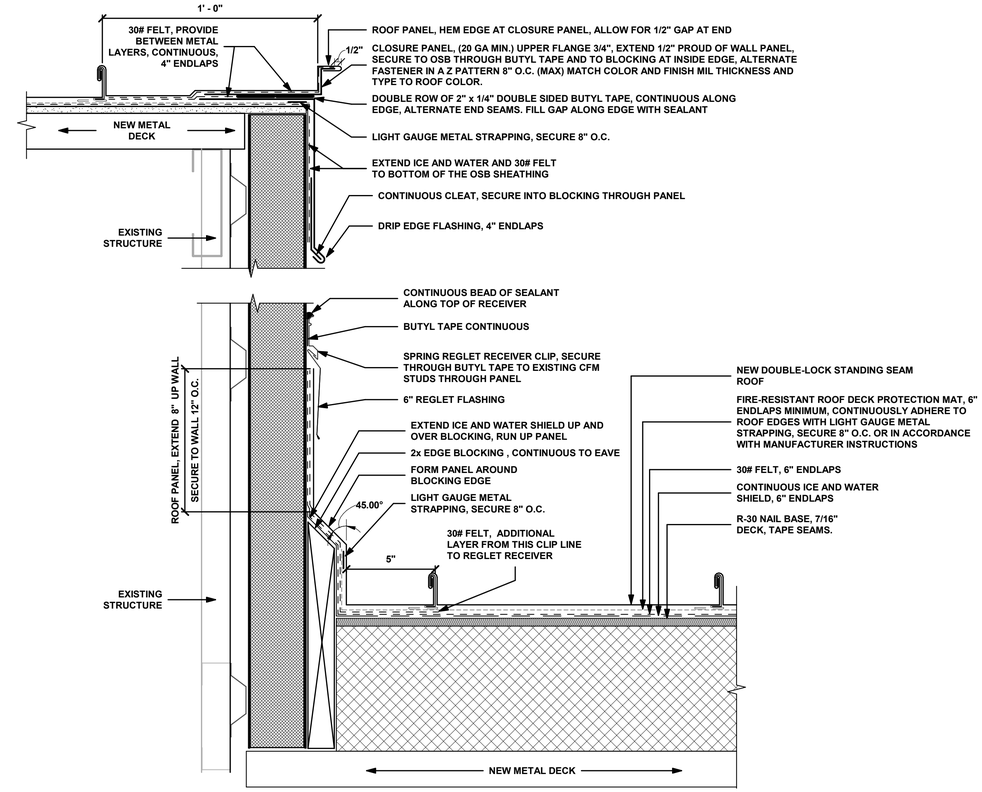
DRAWING SIZE INTENDED TO BE 24" x 36"





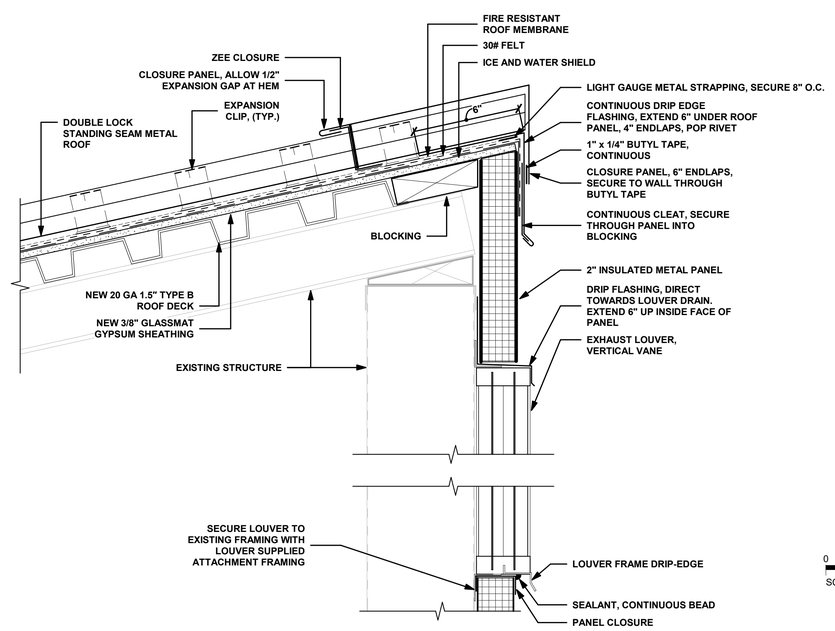
1 SECTION AT F244 LEAN-TO RAKE

SCALE: 3" = 1'-0"



2 SECTION AT LEAN-TO TO GABLED ROOF

SCALE: 3" = 1'-0"

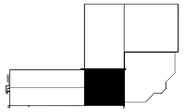


3 SECTION AT THROUGH WALL VENT

SCALE: 3" = 1'-0"

0 2" 4" 8"

SCALE: 3" = 1'-0"



KEY PLAN

NORTH

UNITED STATES AIR FORCE
AIR EDUCATION TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

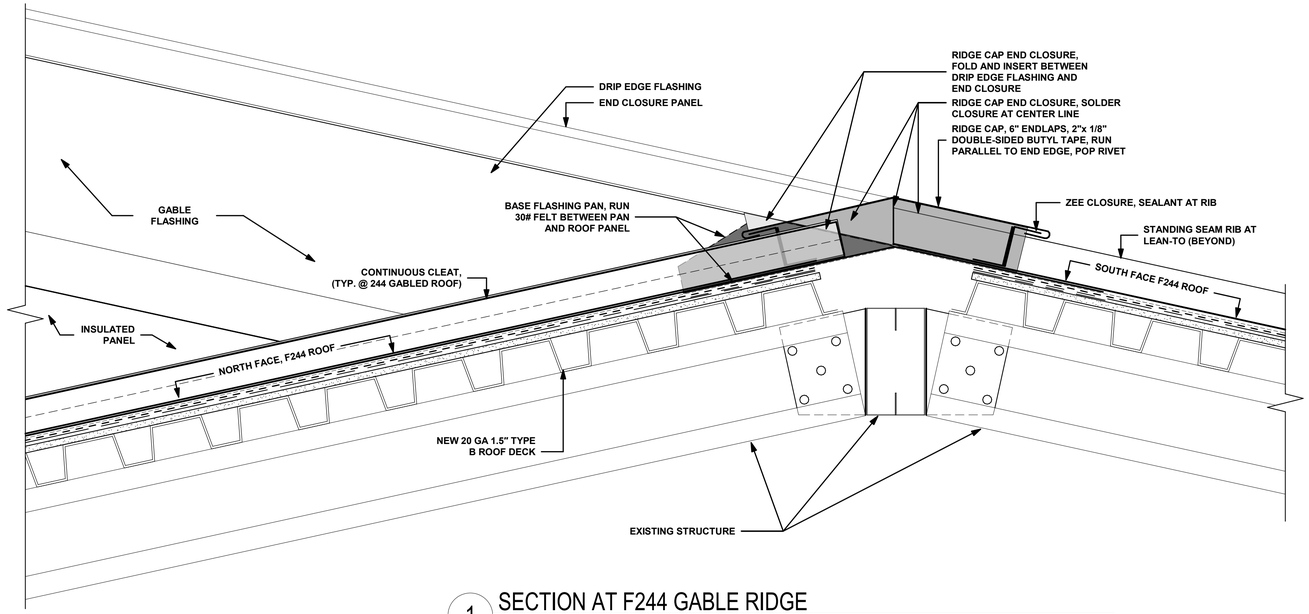
REPAIR ROOF, F200 & REPAIR ROOF, F244

BUILDING & WALL SECTIONS AT LEAN-TO TRANSITION

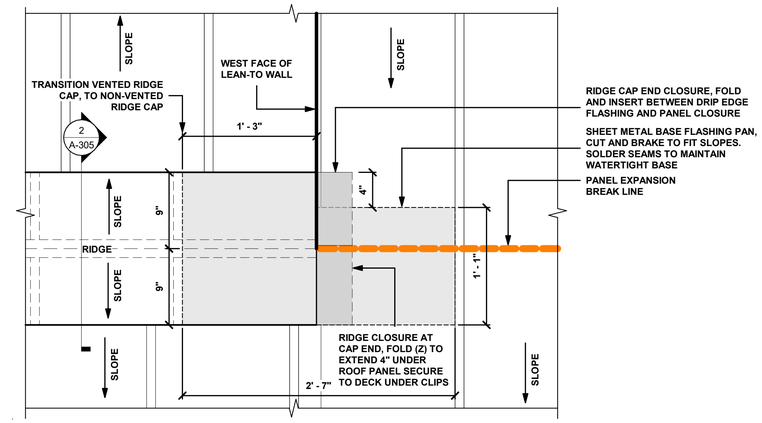
A-304

1 1/2"(ACTUAL SIZE)

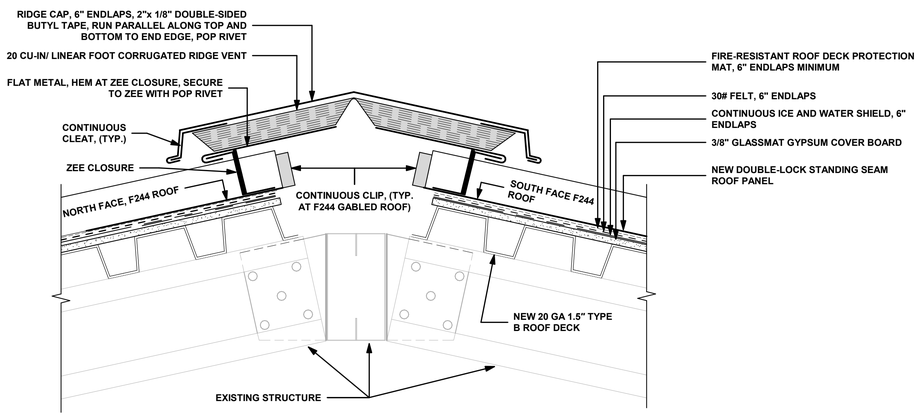
DRAWING SIZE INTENDED TO BE 24" x 36"



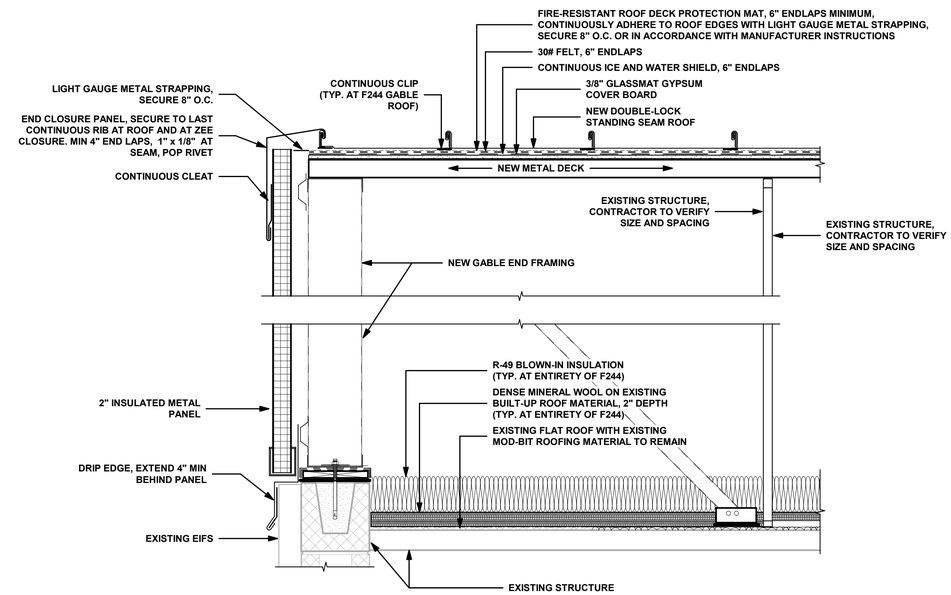
1 SECTION AT F244 GABLE RIDGE
SCALE: 3" = 1'-0"



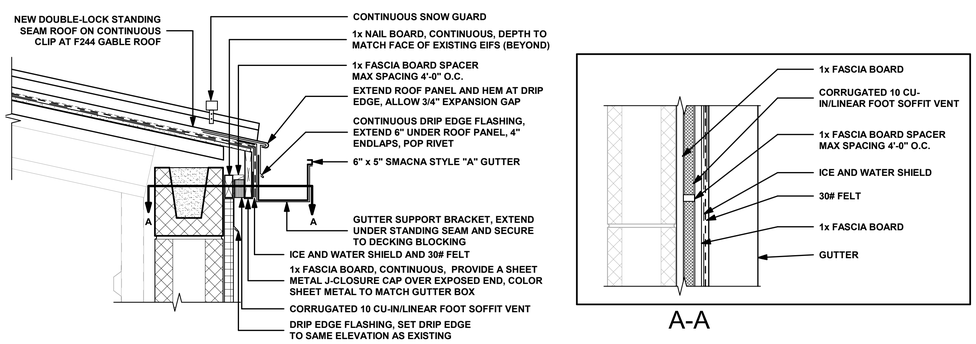
4 ENLARGED PLAN AT GABLE TO LEAN-TO JUNCTION
SCALE: 1 1/2" = 1'-0"



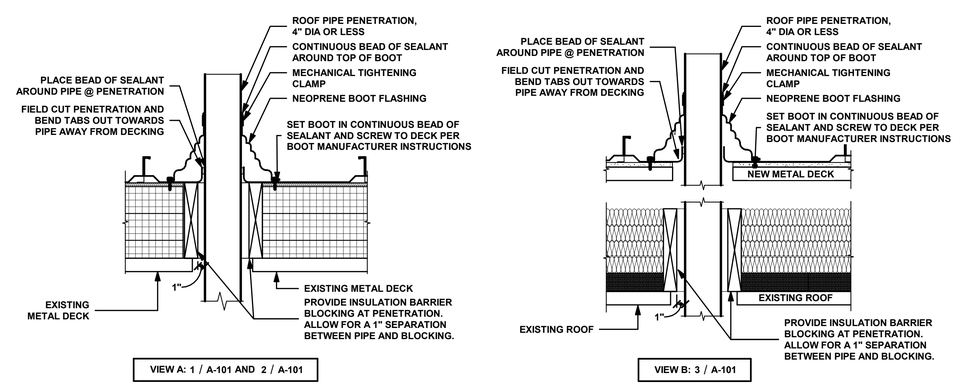
2 SECTION AT F244 RIDGE CAP
SCALE: 3" = 1'-0"



5 SECTION AT F244 GABLE END
SCALE: 1 1/2" = 1'-0"



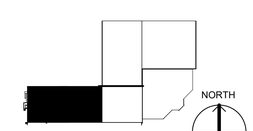
3 SECTION AT F244 EAVE (TYP.)
SCALE: 1 1/2" = 1'-0"



6 VENT PIPE BOOT DETAIL
SCALE: 1 1/2" = 1'-0"

0 2" 4" 8"
SCALE: 3" = 1'-0"

0 4" 8" 1'-4"
SCALE: 1 1/2" = 1'-0"



KEY PLAN

UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2026

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES J. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

REPAIR ROOF, F200 & REPAIR ROOF, F244

BUILDING & WALL SECTIONS AT F244 LEAN-TO TO GABLE ROOF

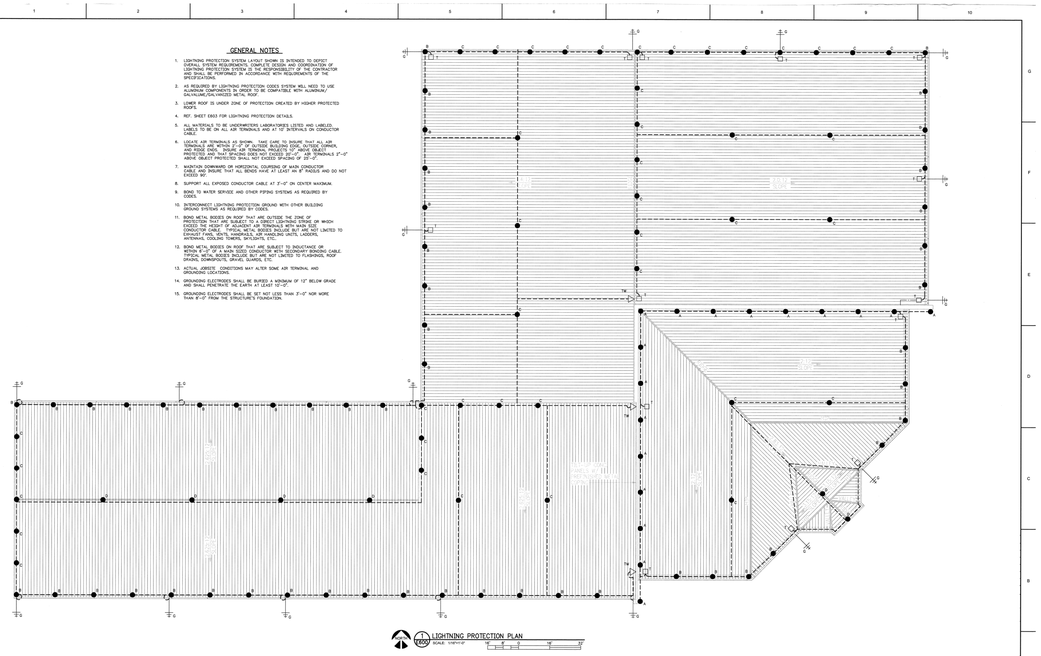
A-305

1 1/2"(ACTUAL SIZE)

DRAWING SIZE INTENDED TO BE 24" x 36"

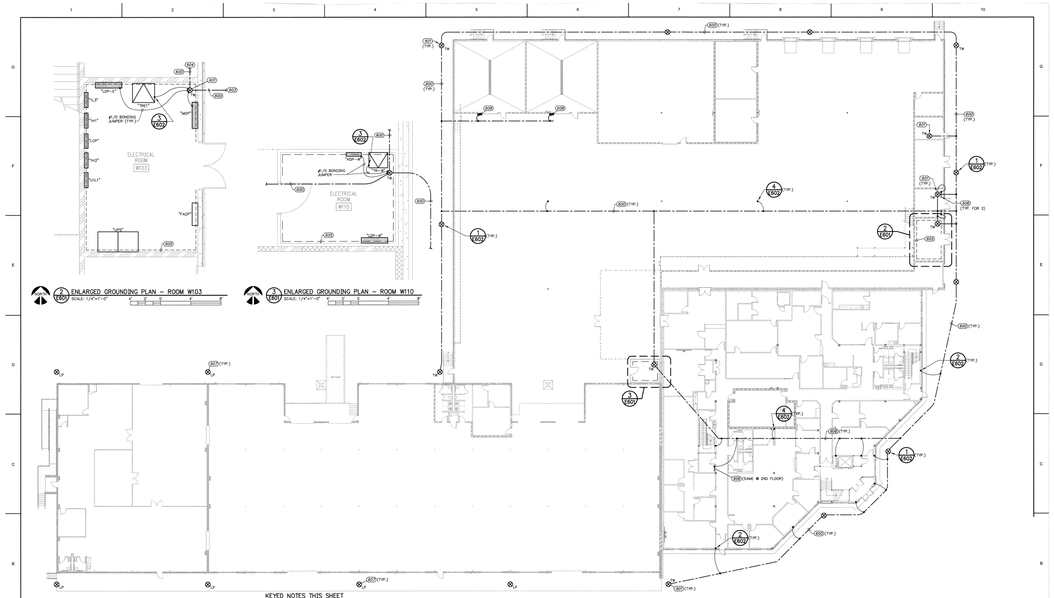
GENERAL NOTES

1. LIGHTNING PROTECTION SYSTEM LAYOUT SHOWN IS INTENDED TO DEPICT OVERALL SYSTEM REQUIREMENTS. COMPLETE DESIGN AND COORDINATION OF SYSTEM WITH ROOF SYSTEM IS THE RESPONSIBILITY OF THE ROOFING INSTALLER AND SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS OF THE SPECIFICATION.
2. AS REQUIRED BY LIGHTNING PROTECTION CODES SYSTEM WILL NEED TO USE ALUMINUM COMPONENTS IN ORDER TO BE COMPATIBLE WITH ALUMINUM/ GALVALUME/GALVANIZED METAL ROOF.
3. LOWER ROOF IS UNDER ZONE OF PROTECTION CREATED BY HIGHER PROTECTED ROOFS.
4. REF. SHEET E603 FOR LIGHTNING PROTECTION DETAILS.
5. ALL MATERIALS TO BE UNDERWRITERS LABORATORIES LISTED AND LABELED. LABELS TO BE ON ALL AIR TERMINALS AND AT 12' INTERVALS ON CONDUCTOR CABLE.
6. ENSURE AIR TERMINALS AS SHOWN. TAKE CARE TO ENSURE THAT ALL AIR TERMINALS ARE WITHIN 2'-0" OF OUTSIDE BUILDING EDGE, OUTSIDE CORNER, AND RIDGE EVERY. ENSURE AIR TERMINAL PROJECTS 10" ABOVE OBJECTS PROTECTED. ENSURE THAT AIR TERMINALS PROJECT 10" ABOVE TERMINALS 2'-0" ABOVE OBJECT PROTECTED SHALL NOT EXCEED SPACING OF 20'-0"
7. MAINTAIN DOWNWARD OR HORIZONTAL COURSING OF MAIN CONDUCTOR CABLE AND ENSURE THAT ALL BENDS HAVE AT LEAST AN 8" RADIUS AND DO NOT EXCEED 90°.
8. SUPPORT ALL EXPOSED CONDUCTOR CABLE AT 2'-0" ON CENTER MAXIMUM.
9. BOND TO WATER SERVICE AND OTHER PIPING SYSTEMS AS REQUIRED BY CODES.
10. INTERCONNECT LIGHTNING PROTECTION GROUND WITH OTHER BUILDING GROUND SYSTEMS AS REQUIRED BY CODES.
11. BOND METAL BODIES OR MASS THAT LIES OUTSIDE THE ZONE OF PROTECTION THAT MAY BE HIT BY A DIRECT LIGHTNING STRIKE OR WHICH EXCEEDS THE SAFE DISTANCE FROM A CONDUCTOR. BONDING MUST BE MADE TO THE NEAREST LIGHTNING PROTECTION CONDUCTOR. BODIES INCLUDE BUT ARE NOT LIMITED TO EXHAUST FANS, VENTS, HANDRAILS, AIR HANDLING UNITS, LADDERS, ANTENNAS, COOLING TOWERS, SKYLIGHTS, ETC.
13. BOND METAL BODIES ON ROOF THAT ARE SUBJECT TO INDUCTANCE OR CONTACT BY A DIRECT LIGHTNING STRIKE TO THE LIGHTNING PROTECTION CABLE. TYPICAL METAL BODIES INCLUDE BUT ARE NOT LIMITED TO FLASHINGS, ROOF DRAINS, DOWNSPOUTS, GRAVEL GUARDS, ETC.
13. METAL-JACKETED CONDUCTORS MAY ALTER SOME AIR TERMINAL AND CONDUCTOR LOCATIONS.
14. GROUNDING ELECTRODES SHALL BE BURIED A MINIMUM OF 12" BELOW GRADE AND SHALL PENETRATE THE EARTH AT LEAST 10'-0".
15. GROUNDING ELECTRODES SHALL BE SET NOT LESS THAN 2'-0" NOR MORE THAN 8'-0" FROM THE STRUCTURE'S FOUNDATION.



1 E600 LIGHTNING PROTECTION PLAN
SCALE: 1/16"=1'-0"

SUBMITTED BY:	LIGHTNING PROTECTION PLAN		
CHIEF:			
PLOT SCALE:	DWG. CODE:		SHEET REFERENCE NUMBER
DESIGN FILE: E603-3108.DWG			E600
PLOT DATE: 18 MAY 2005	SHEET OF		



2 E600 ENLARGED GROUNDING PLAN – ROOM W103
SCALE: 1/4"=1'-0"

1 E600 ENLARGED GROUNDING PLAN – ROOM W110
SCALE: 1/4"=1'-0"

KEYED NOTES THIS SHEET

G20 GROUNDING COUNTERPOISE, #5/0 BARE COPPER, MIN. 24" BELOW GRADE

G21 COPPER CLAD GROUND ROD, 5/4"X10'-0", DRIVEN TO 8" BELOW GRADE, WITH PVC GROUND ACCESS TEST WELL. NOMINAL 10" INSIDE DIAMETER

G22 REF. GROUNDING PLAN FOR CONTINUATION.

G24 INTERCONNECTION TO COMMUNICATIONS ROOM GROUND BUS

G25 EQUIPMENT ROOM GROUND BUS, #5/0 BARE COPPER, AT 18" ABOVE FLOOR

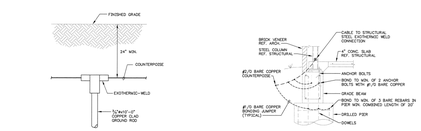
G26 COMMUNICATIONS ROOM GROUND BAR, MCC ENLARGED COMMUNICATIONS ROOM PLAN. INTERCONNECT TO GROUND BUS WITH #5/0 BARE COPPER

G27 SUPPLEMENTAL GROUND ELECTRODE, DRIVEN TO 8" BELOW GRADE, WITH PVC GROUND ACCESS TEST WELL. SEE LIGHTNING PROTECTION SYSTEM INSTALLATION DETAILS

G28 PROVIDE GROUND BUSBAR, 2"X12", INSTALLED AT 18" AFF FOR OVERHEAD DOOR GROUNDING.

1 E600 GROUNDING PLAN
SCALE: 1/16"=1'-0"

SUBMITTED BY:	GROUNDING PLAN		
CHIEF:			
PLOT SCALE:	DWG. CODE:		SHEET REFERENCE NUMBER
DESIGN FILE: E603-3108.DWG			E601
PLOT DATE: 18 MAY 2005	SHEET OF		



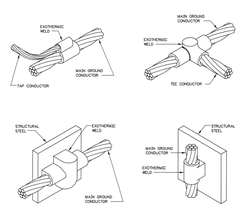
1 E600 DETAIL – COUNTERPOISE GROUNDING
SCALE: NONE

2 E600 DETAIL – PERIMETER COLUMN GROUNDING
SCALE: NONE

DRILLED PIER

WITHOUT DRILLED PIER

4 E600 DETAIL – INTERIOR COLUMN GROUNDING
SCALE: NONE

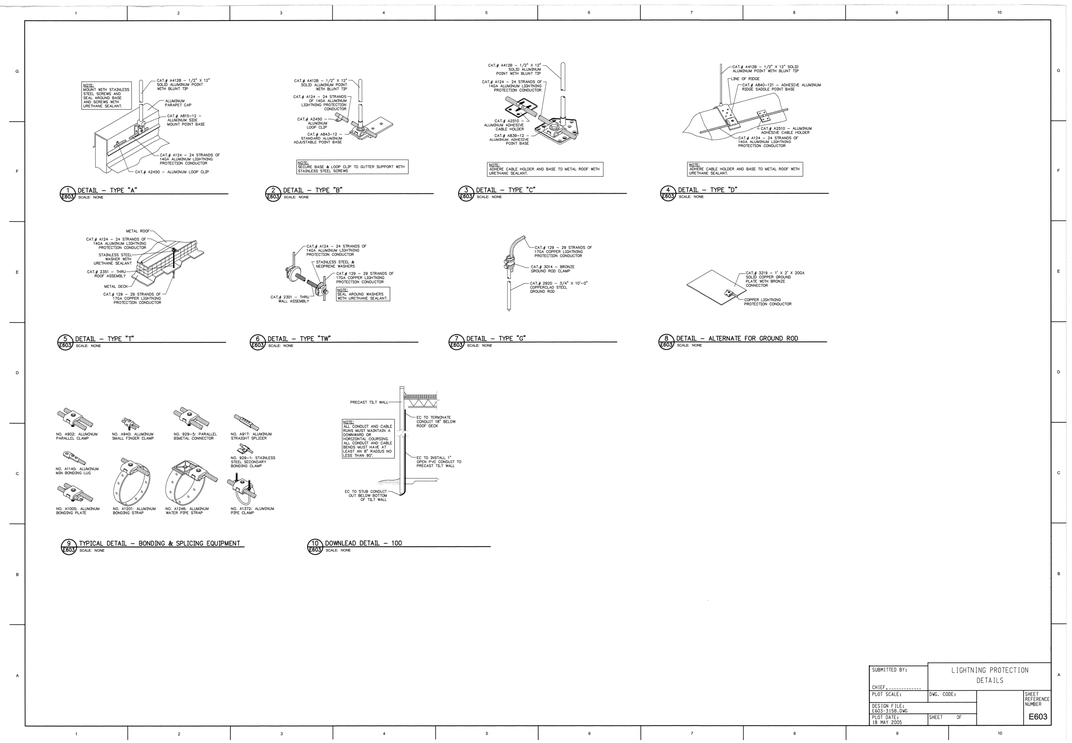


3 E600 TYPICAL DETAILS – EXOTHERMIC WELDS
SCALE: NONE

GENERAL NOTES

1. REF. SHEET E001 FOR LEGEND, ABBREVIATIONS, AND GENERAL REQUIREMENTS APPLICABLE TO WORK SHOWN ON THIS SHEET.
2. GROUND ALL SYSTEMS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, OTHER DRAWINGS AND ADDITIONAL REQUIREMENTS SHOWN ON THESE SHEETS.
3. PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH THE LIGHTNING PROTECTION SPECIFICATIONS. ADDITIONAL REQUIRED ON THESE PLANS WITH THE LIGHTNING PROTECTION SYSTEM AS REQUIRED.
4. HIGH COMPRESSION CONNECTIONS WILL BE ALLOWED IN LIEU OF EXOTHERMIC WELDS, IN ACCORDANCE WITH THE LIGHTNING PROTECTION SPECIFICATIONS.

SUBMITTED BY:	GROUNDING DETAILS		
CHIEF:			
PLOT SCALE:	DWG. CODE:		SHEET REFERENCE NUMBER
DESIGN FILE: E603-3108.DWG			E602
PLOT DATE: 18 MAY 2005	SHEET OF		



1 E603 DETAIL – TYPE "A"
SCALE: NONE

2 E603 DETAIL – TYPE "B"
SCALE: NONE

3 E603 DETAIL – TYPE "C"
SCALE: NONE

4 E603 DETAIL – TYPE "D"
SCALE: NONE

5 E603 DETAIL – TYPE "I"
SCALE: NONE

6 E603 DETAIL – TYPE "TW"
SCALE: NONE

7 E603 DETAIL – TYPE "G"
SCALE: NONE

8 E603 DETAIL – ALTERNATE FOR GROUND ROD
SCALE: NONE

9 E603 TYPICAL DETAIL – BONDING & SPLICING EQUIPMENT
SCALE: NONE

10 E603 DOWNLEAD DETAIL – 100
SCALE: NONE

SUBMITTED BY:	LIGHTNING PROTECTION DETAILS		
CHIEF:			
PLOT SCALE:	DWG. CODE:		SHEET REFERENCE NUMBER
DESIGN FILE: E603-3108.DWG			E603
PLOT DATE: 18 MAY 2005	SHEET OF		

1ST FLYING TRAINING WING

UNITED STATES AIR FORCE
AIR EDUCATION
TRAINING COMMAND
VANCE AIR FORCE BASE
ENID, OKLAHOMA

ASRC FEDERAL
Field Services
140 Channel St., Suite 205
Vance AFB, OK 73705
(580) 213-7772
CA# 8716
30 JUNE 2024

Revision Number	Description	Date

LICENSED PROFESSIONAL ENGINEER CHARLES C. SNYDER 29625 OKLAHOMA 9-12-25

DRAWN BY: B. DECOCQ CHECKED BY: C. SNYDER

PROJECT NO.: 18-1014 & 26-1020

DATE: 09/12/2025

DESIGN STAGE: FOR CONSTRUCTION

REPAIR ROOF, F200 & REPAIR ROOF, F244

LIGHTNING PROTECTION - RECORD DRAWINGS - REFERENCE ONLY

RE-700