



# WEST TEXAS A&M UNIVERSITY ROOF REPLACEMENT PROJECT MULTIPLE BUILDINGS 2501 4TH AVE, CANYON, TEXAS 79016

SHEET INDEX	
Sheet Number	Sheet Name
GS1.00	COVER SHEET
GS1.01	GENERAL ROOFING INFORMATION
GS2.00	WIND UPLIFT PRESSURE PLAN - CLASSROOM CENTER & JACK B. KELLY STUDENT CENTER
GS2.01A	WIND UPLIFT PRESSURE PLAN - PANHANDLE PLAINS HISTORICAL MUSEUM
GS2.01B	WIND UPLIFT PRESSURE PLAN - PANHANDLE PLAINS HISTORICAL MUSEUM
GS2.02	WIND UPLIFT PRESSURE PLAN - CORNETTE LIBRARY
GS2.03	WIND UPLIFT PRESSURE PLAN - GREENHOUSES
GS2.04	WIND UPLIFT PRESSURE PLAN - CONNER HALL
R1.01	OVERALL ROOF PLAN - CLASSROOM CENTER & JACK B. KELLY STUDENT CENTER
R1.02	ENLARGED ROOF PLAN - CLASSROOM CENTER
R1.03	ENLARGED ROOF PLAN - JACK B. KELLY STUDENT CENTER
R1.04	OVERALL ROOF PLAN - CORNETTE LIBRARY
R1.05	OVERALL ROOF PLAN - CONNER HALL
R1.06	OVERALL ROOF PLAN - GREENHOUSES
R1.07	OVERALL ROOF PLAN - PANHANDLE PLAINS HISTORICAL MUSEUM
R2.01	ROOF DETAILS
R2.02	ROOF DETAILS
R2.03	ROOF DETAILS
R2.04	ROOF DETAILS



TEXAS REGISTERED  
ENGINEERING FIRM F-6498  
2505 79TH ST., SUITE A  
LUBBOCK, TEXAS 79423  
(972) 874-1388

THIS DOCUMENT WAS  
PRODUCED BY OR UNDER  
THE DIRECT SUPERVISION OF  
REGISTERED ENGINEER



ISSUE DATE: 01/20/2026

CONTRACTOR **SHALL** VERIFY ALL  
SUBSTRATES, DIMENSIONS,  
CURBS, PENETRATIONS, ECT.  
**THOSE SHOWN ARE TYPICAL BUT  
MAY NOT BE ALL INCLUSIVE**  
Copyright 2025 by Armko Industries

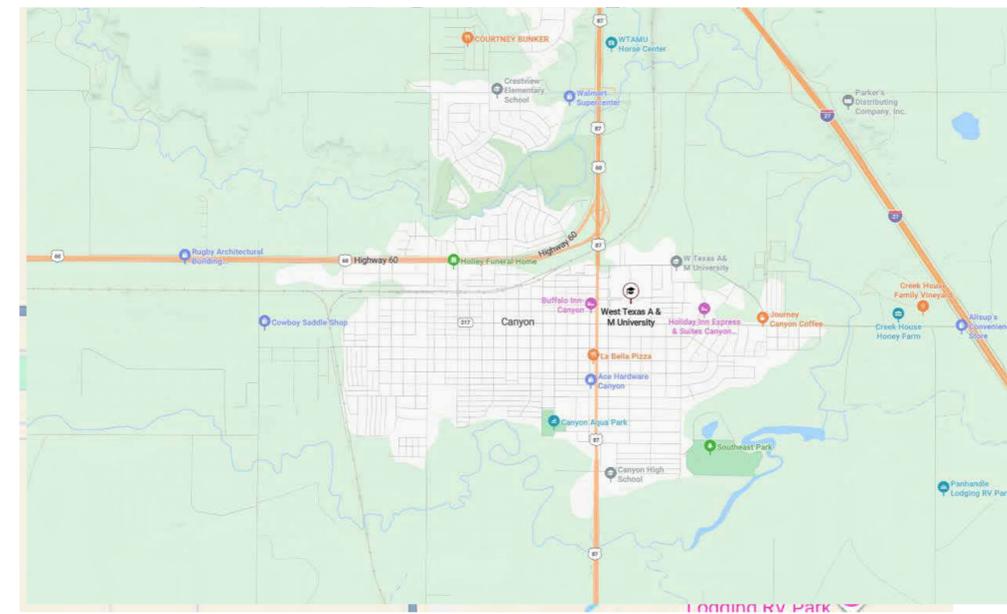
**ISSUES**

Issue For Construction	10/07/2025

**REVISIONS**




NORTH  
VICINITY MAP



NORTH  
LOCATION MAP

PROJECT FOR:  
WEST TEXAS A&M UNIVERSITY  
ROOF REPLACEMENT PROJECT  
MULTIPLE BUILDINGS  
2501 4TH AVE,  
CANYON, TX 79015

JOB: 25-1183-49  
DATE: 01/20/2026  
DRAWN BY: AA/JK  
CHECKED BY: CB

COVER SHEET

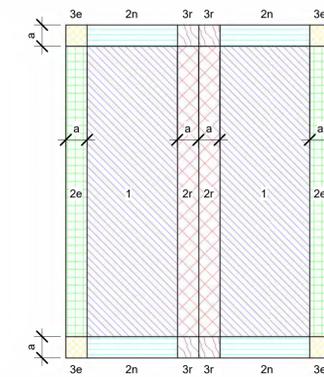


GS1.00

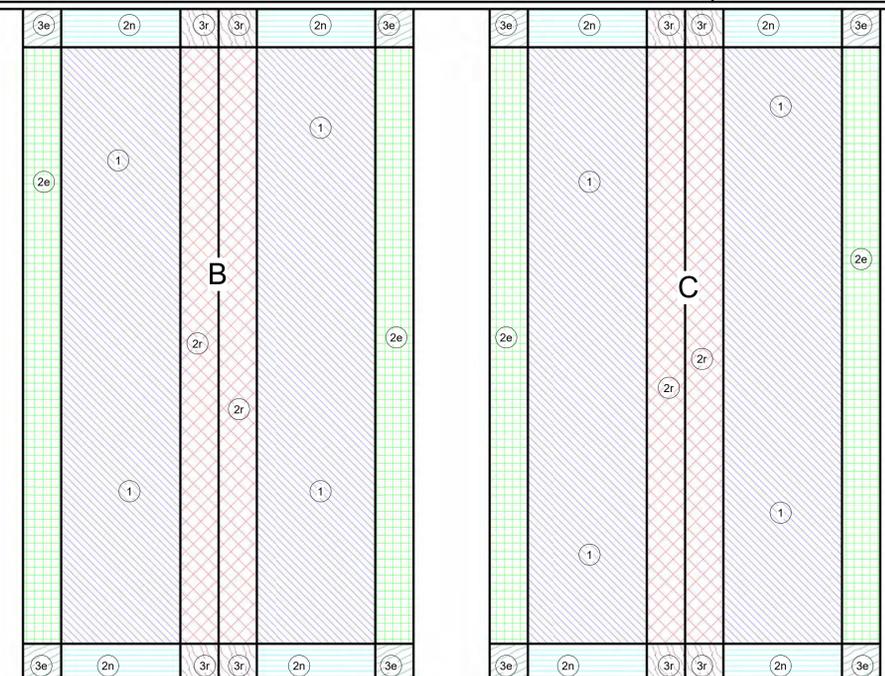
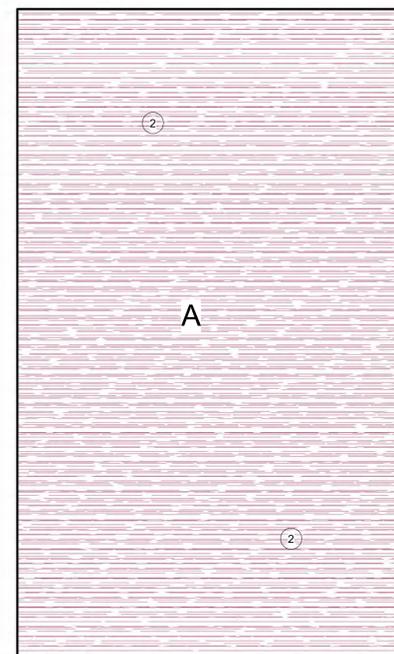
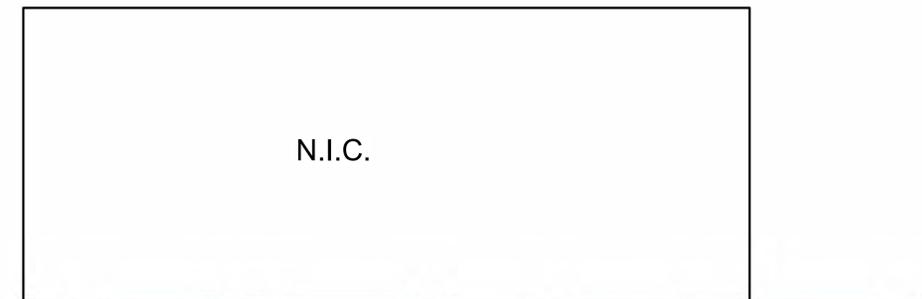


Area	Zone	Uplift Pressure (Risk Cat III) (psf)	Uplift Pressure (Risk Cat IV) (psf)	0.6h (ft)	0.2h (ft)	a (ft)
A (Dome)	2	22.8	24.4	-	-	-
B,C	1	20.7	22.2	-	-	3.6
	2e	22.3	23.9			
	2n	42.9	45.9			
	2r	29.1	31.2			
	3e	54.4	58.3			
	3r	58.6	62.8			

NOTE 1: Multiply Basic Design Wind Pressures x 0.6 to achieve ASD Wind Pressures



② UPLIFT KEY PLAN - GABLE  
1/32" = 1'-0"



① WIND UPLIFT PLAN - OVERALL - GREENHOUSES  
1/8" = 1'-0"



TEXAS REGISTERED  
ENGINEERING FIRM F-6498  
2505 79TH ST., SUITE A  
LUBBOCK, TEXAS 79423  
(972) 874-1388

THIS DOCUMENT WAS  
PRODUCED BY OR UNDER  
THE DIRECT SUPERVISION OF  
REGISTERED ENGINEER



ISSUE DATE: 01/20/2026

CONTRACTOR **SHALL** VERIFY ALL  
SUBSTRATES, DIMENSIONS,  
CURBS, PENETRATIONS, ECT.  
**THOSE SHOWN ARE TYPICAL BUT  
MAY NOT BE ALL INCLUSIVE**  
Copyright 2025 by Armko Industries

ISSUES

Issue For Construction 10/07/2025

REVISIONS

PROJECT FOR:  
WEST TEXAS A&M UNIVERSITY  
ROOF REPLACEMENT PROJECT  
WTAMU GREENHOUSES  
602 N 24TH STREET,  
CANYON, TX 79015

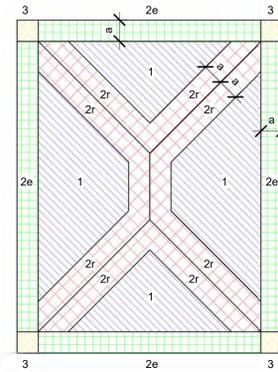
JOB: 25-1183-49  
DATE: 10/07/2025  
DRAWN BY: AA/JK  
CHECKED BY: CB

WIND UPLIFT  
PRESSURE PLAN -  
GREENHOUSES

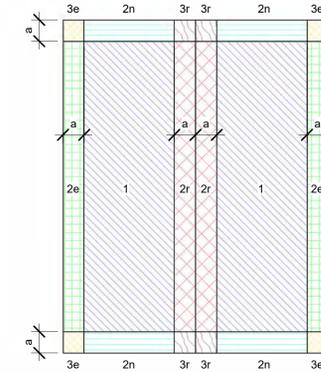
GS2.03

Area	Zone	Uplift Pressure (Risk Cat III) (psf)	Uplift Pressure (Risk Cat IV) (psf)	0.6h (ft)	0.2h (ft)	a (ft)
A1	1	25.3	27.1	-	-	4.4
	2r	33.8	36.2			
	2e	27.0	29.0			
	3	38.6	41.4			
A2	1	23.3	24.9			
	2e	21.9	23.4			
	2n	39.1	41.9			
	2r	29.1	31.2			
	3e	49.9	53.5			
	3r	54.0	58.0			

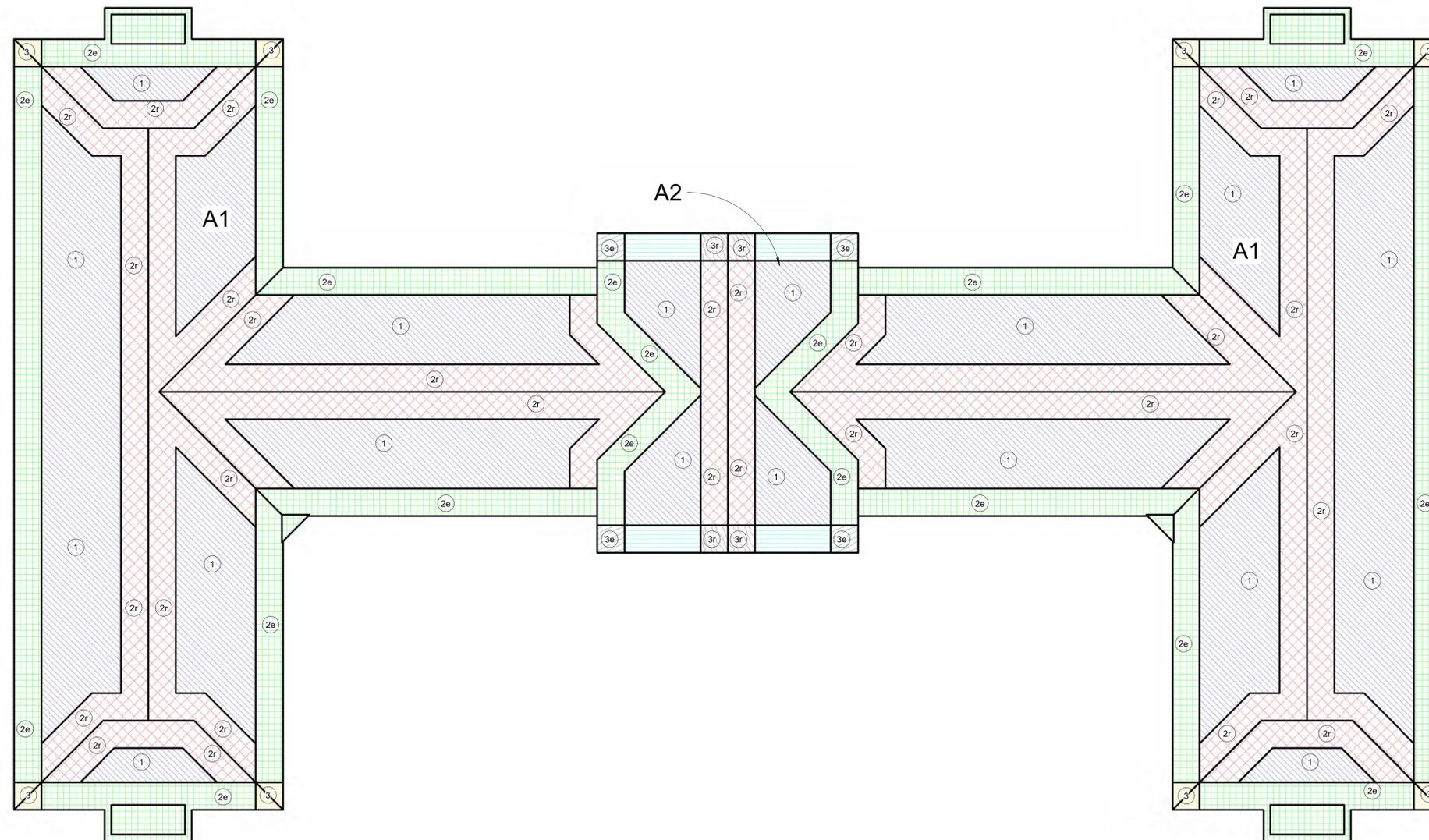
NOTE 1: Multiply Basic Design Wind Pressures x 0.6 to achieve ASD Wind Pressures



3 UPLIFT KEY PLAN - HIP  
1/32" = 1'-0"



2 UPLIFT KEY PLAN - GABLE  
1/32" = 1'-0"



1 WIND UPLIFT PRESSURE PLAN - CONNER HALL  
3/32" = 1'-0"



TEXAS REGISTERED  
ENGINEERING FIRM F-6498  
2505 79TH ST., SUITE A  
LUBBOCK, TEXAS 79423  
(972) 874-1388

THIS DOCUMENT WAS  
PRODUCED BY OR UNDER  
THE DIRECT SUPERVISION OF  
REGISTERED ENGINEER



ISSUE DATE: 01/20/2026

CONTRACTOR **SHALL** VERIFY ALL  
SUBSTRATES, DIMENSIONS,  
CURBS, PENETRATIONS, ECT.  
**THOSE SHOWN ARE TYPICAL BUT  
MAY NOT BE ALL INCLUSIVE**  
Copyright 2025 by Armko Industries

ISSUES

Issue For Construction 10/07/2025

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT FOR:  
WEST TEXAS A&M UNIVERSITY  
ROOF REPLACEMENT PROJECT  
CONNER HALL  
2317 RUSSELL LONG BLVD,  
CANYON, TX 79015

JOB: 25-1183-49  
DATE: 10/07/2025  
DRAWN BY: DB  
CHECKED BY: CB

WIND UPLIFT  
PRESSURE PLAN -  
CONNER HALL

GS2.04



TEXAS REGISTERED  
ENGINEERING FIRM F-6498  
2505 79TH ST., SUITE A  
LUBBOCK, TEXAS 79423  
(972) 874-1388

THIS DOCUMENT WAS  
PRODUCED BY OR UNDER  
THE DIRECT SUPERVISION  
OF REGISTERED ENGINEER



ISSUE DATE: 01/20/2026

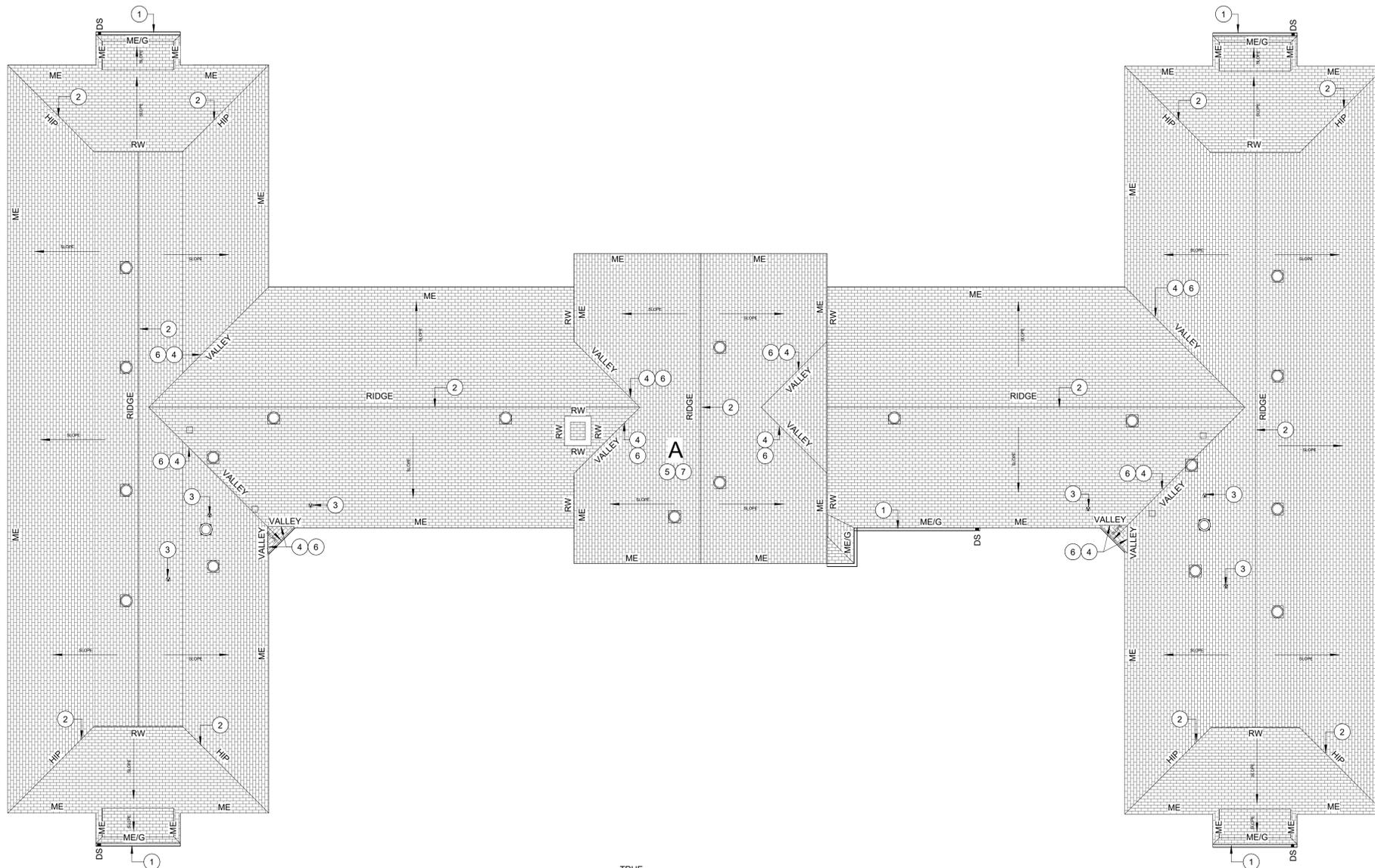
CONTRACTOR **SHALL** VERIFY ALL  
SUBSTRATES, DIMENSIONS,  
CURBS, PENETRATIONS, ECT.  
**THOSE SHOWN ARE TYPICAL BUT  
MAY NOT BE ALL INCLUSIVE**  
Copyright 2025 by Armko Industries

ISSUES

Issue For Construction 10/07/2025

REVISIONS

NO.	DESCRIPTION	DATE



1 OVERALL ROOF PLAN - CONNER HALL  
NOT TO SCALE

**SCOPE OF WORK PACKAGE II:**

**BASE PROPOSAL 6 - WTAMU CONNOR HALL - SHINGLES - ROOF SECTION A**

- WORK SHALL INCLUDE REMOVAL OF THE EXISTING SHINGLE ROOF SYSTEM DOWN TO THE DECK.
- PROVIDE NEW SYNTHETIC UNDERLAYMENT.
- PROVIDE ALL ASSOCIATED SHEET METAL AND ACCESSORIES.
- PROVIDE NEW ARCHITECTURAL COMPOSITION SHINGLES.
- REMOVE AND REPLACE ALL FLASHINGS.
- PROVIDE A TWO (2) YEAR CONTRACTOR'S WARRANTY.
- NEW METAL SHALL BE PREFINISHED, SELECTED BY THE OWNER FROM A FULL RANGE OF COLORS.
- WORK SHALL ALSO INCLUDE ALL HVAC AND ELECTRICAL, PIPING DISCONNECT AND RECONNECTION.
- INSTALLATION SHALL BE AS PER NRCA, SMACNA, ANSI/SPRI, SPECIFICATIONS, DETAILS AND MANUFACTURER'S GUIDELINES.
- ALL GAS LINES TO BE TESTED AND CERTIFIED BY A MASTER PLUMBER.

**SPECIFIC ROOF NOTES:**

1. PROVIDE NEW 24 GAUGE PRE-FINISHED GUTTER AND DOWNSPOUTS AS DETAILED.
2. PROVIDE VENTED HIP AND RIDGE VENTS AS DETAILED.
3. LEAD JACKS TO BE UTILIZED AT ALL PLUMBING STACKS.
4. INSTALL AN ADDITION LAYER OF THE UNDERLAYMENT AT ALL VALLEY AND EAVE LOCATIONS.
5. PROVIDE SIX NAILS PER SHINGLE AS SPECIFIED.
6. INSTALL NEW VALLEY METAL AT THE VALLEY LOCATIONS.
7. ALL VENT FLASHINGS SHALL BE REPLACED AND PAINTED TO MATCH THE NEW SHINGLE COLOR.

PROJECT FOR:  
WEST TEXAS A&M UNIVERSITY  
ROOF REPLACEMENT PROJECT  
CONNOR HALL  
2317 RUSSELL LONG BLVD,  
CANYON, TX 79015

JOB: 25-1183-49  
DATE: 10/07/2025  
DRAWN BY: AA/JK  
CHECKED BY: CB

OVERALL ROOF  
PLAN - CONNER HALL

R1.05



TEXAS REGISTERED  
ENGINEERING FIRM F-6498  
2505 79TH ST., SUITE A  
LUBBOCK, TEXAS 79423  
(972) 874-1388

THIS DOCUMENT WAS  
PRODUCED BY OR UNDER  
THE DIRECT SUPERVISION  
OF REGISTERED ENGINEER

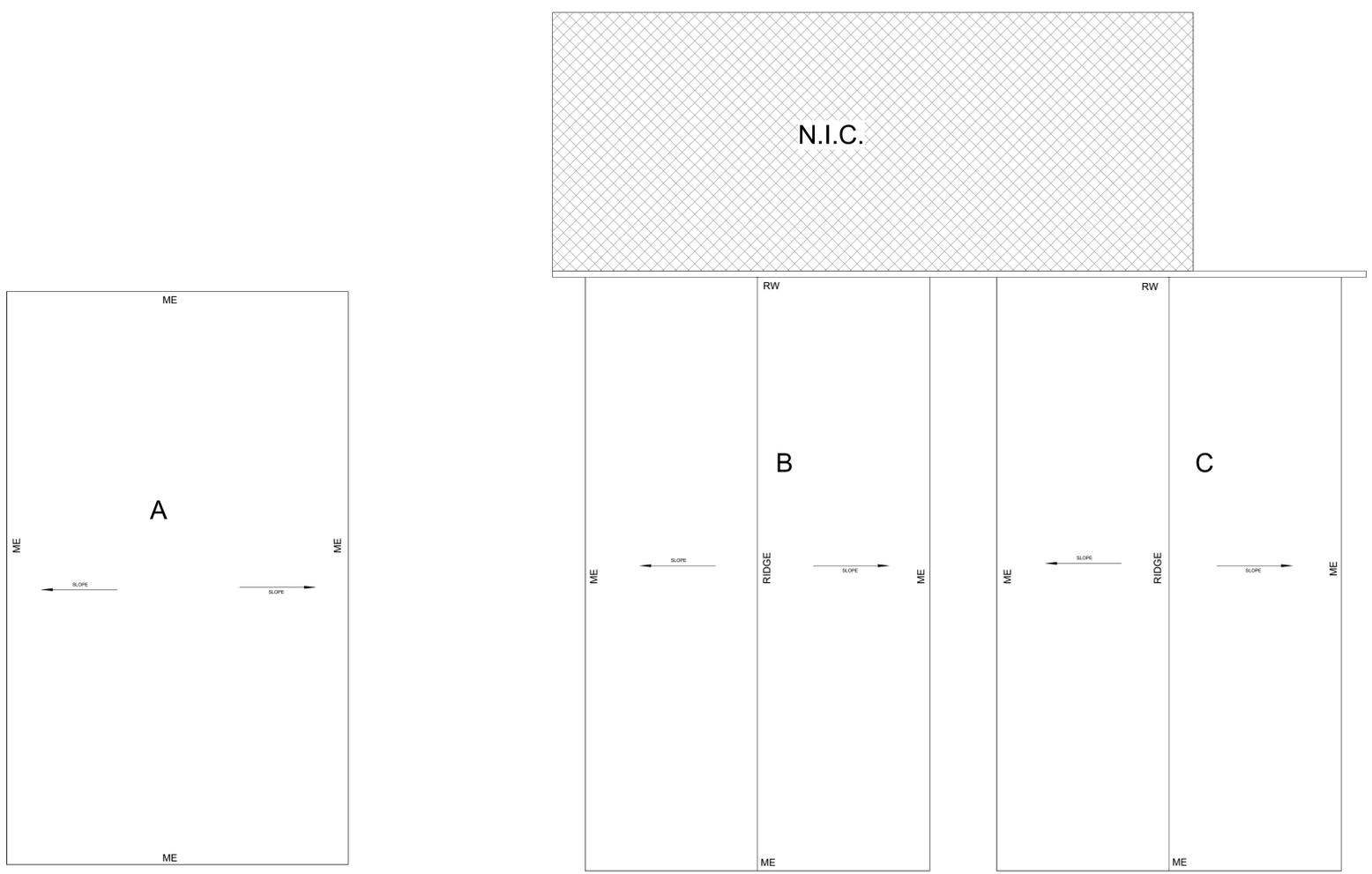


ISSUE DATE: 01/20/2026

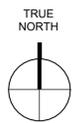
CONTRACTOR **SHALL** VERIFY ALL  
SUBSTRATES, DIMENSIONS,  
CURBS, PENETRATIONS, ECT.  
**THOSE SHOWN ARE TYPICAL BUT  
MAY NOT BE ALL INCLUSIVE**  
Copyright 2025 by Armko Industries

ISSUES	
Issue For Construction	10/07/2025

REVISIONS	



- SCOPE OF WORK PACKAGE II:**  
**BASE PROPOSAL 7 – WTAMU GREENHOUSES – POLYCARBONATE PANELS – ROOF SECTIONS (A, B, & C)**
- WORK SHALL INCLUDE REMOVAL OF THE EXISTING POLYCARBONATE PANELS.
  - PROVIDE NEW POLYCARBONATE ROOF SYSTEM PER LIKE, KIND, AND QUALITY.
  - PROVIDE NEW ROOF ACCESSORIES TO MATCH EXISTING SIZE AND STYLE.
  - NEW METAL SHALL BE PREFINISHED, SELECTED BY THE OWNER FROM A FULL RANGE OF COLORS.
  - PROVIDE A TWO (2) YEAR CONTRACTOR'S WARRANTY.
  - WORK SHALL ALSO INCLUDE ALL HVAC AND ELECTRICAL, PIPING DISCONNECT AND RECONNECTION.
  - INSTALLATION SHALL BE AS PER NRCA, SMACNA, ANSI/SPRI, SPECIFICATIONS, DETAILS AND MANUFACTURER'S GUIDELINES.
  - ALL GAS LINES TO BE TESTED AND CERTIFIED BY A MASTER PLUMBER.



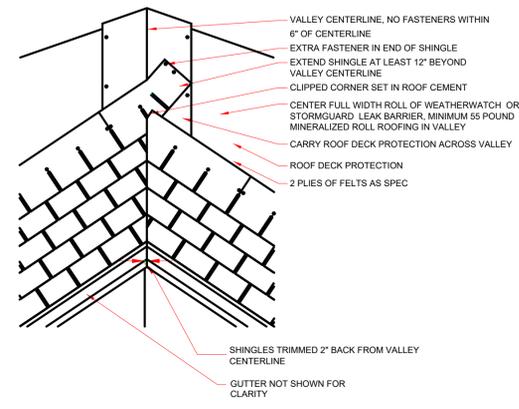
① OVERALL ROOF PLAN - GREENHOUSES  
NOT TO SCALE

**PROJECT FOR:**  
**WEST TEXAS A&M UNIVERSITY**  
**ROOF REPLACEMENT PROJECT**  
**WTAMU GREENHOUSES**  
**602 N 24TH STREET,**  
**CANYON, TX 79015**

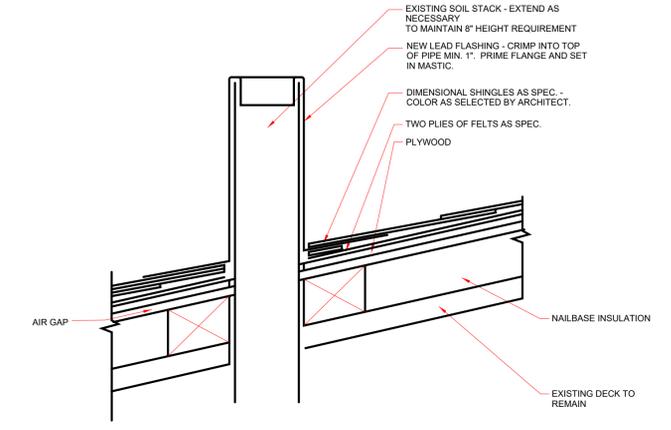
**JOB:** 25-1183-49  
**DATE:** 10/07/2025  
**DRAWN BY:** AA/JK  
**CHECKED BY:** CB

OVERALL ROOF  
PLAN -  
GREENHOUSES

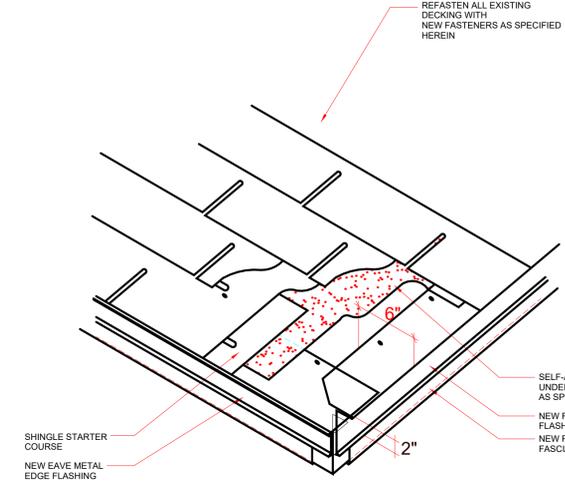
**R1.06**



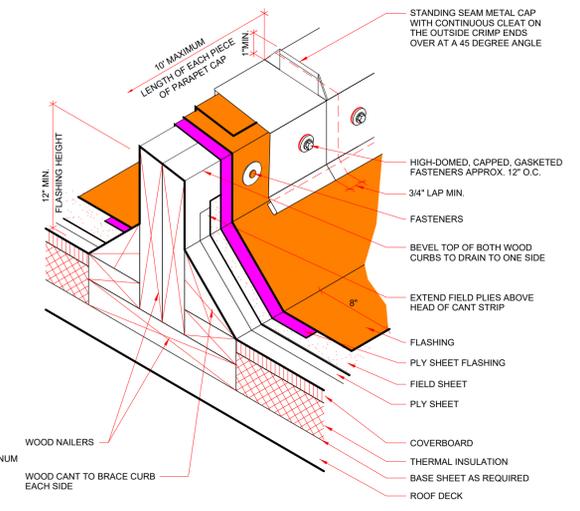
11 SHINGLES - VALLEY NOT TO SCALE



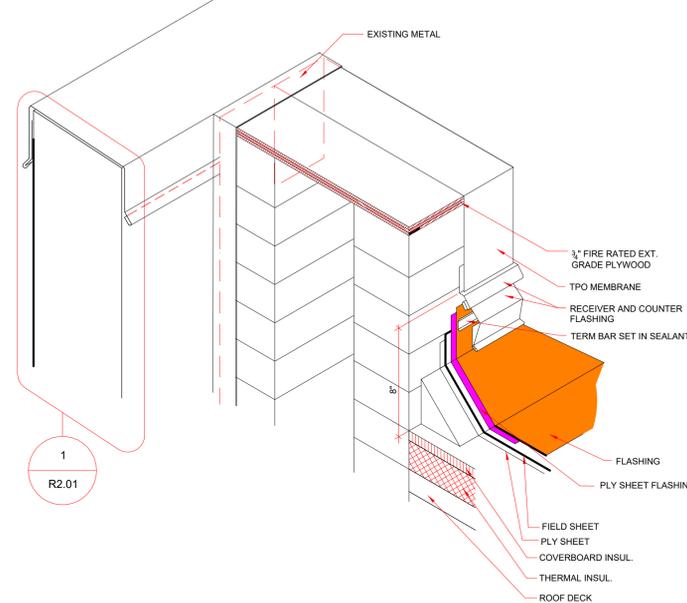
10 SHINGLES - VENT STACK NOT TO SCALE



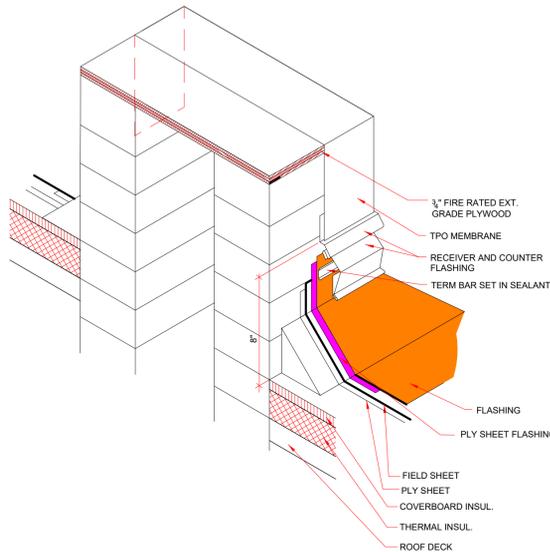
9 SHINGLES - METAL EDGE NOT TO SCALE



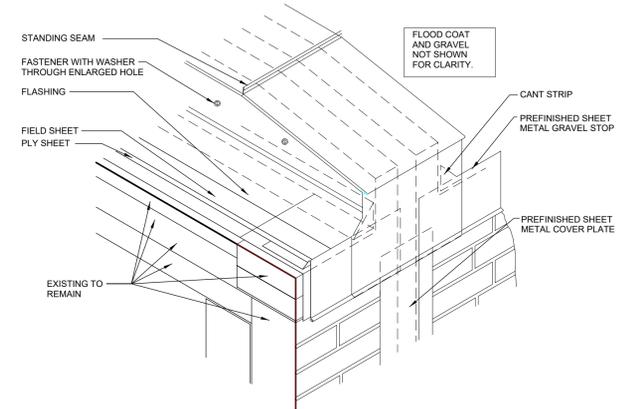
8 ROOF DIVIDER NOT TO SCALE



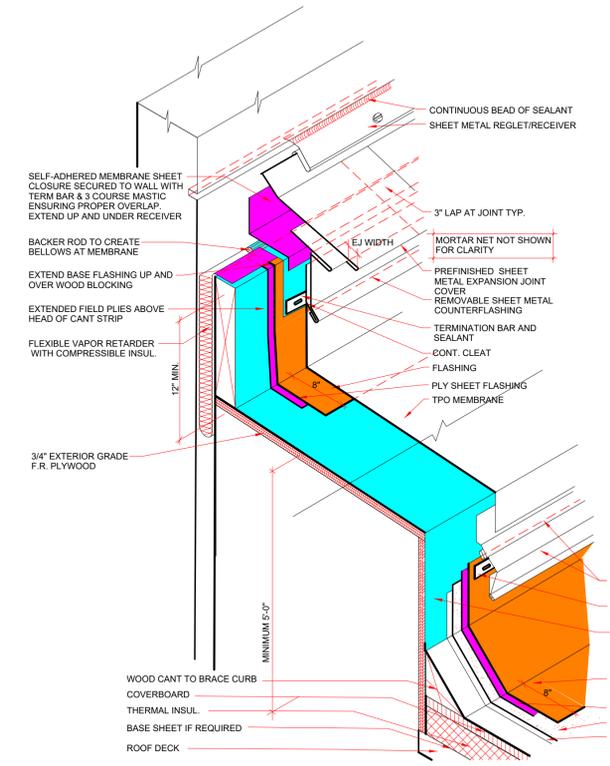
7 CHIMNEY COPING - 3 SIDED NOT TO SCALE



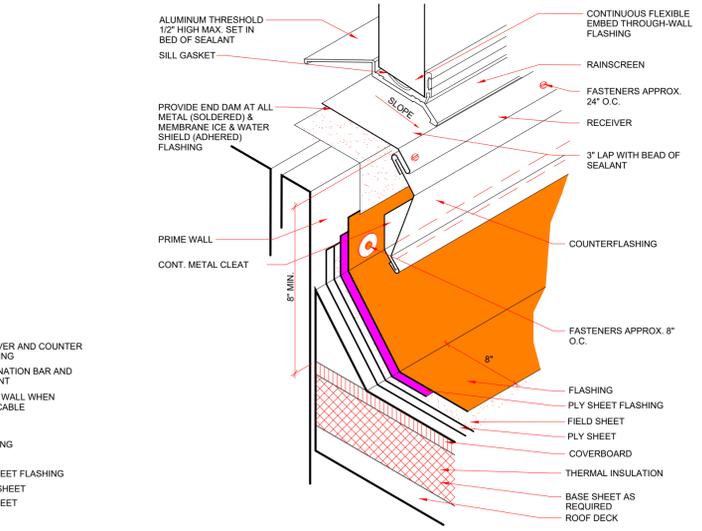
6 CHIMNEY COPING - 4 SIDED NOT TO SCALE



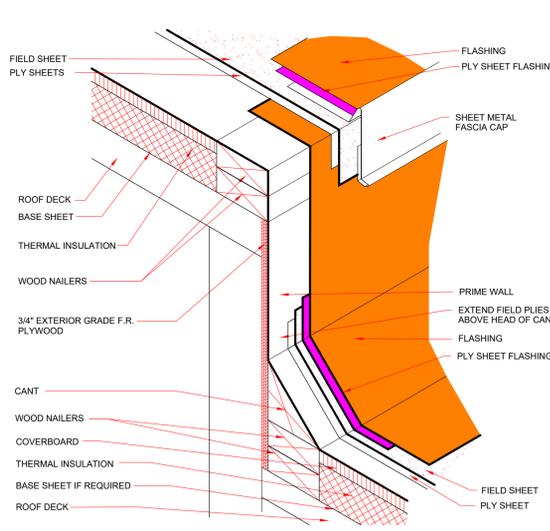
5 TAPERED EXPANSION JOINT AND ROOF DIVIDER NOT TO SCALE



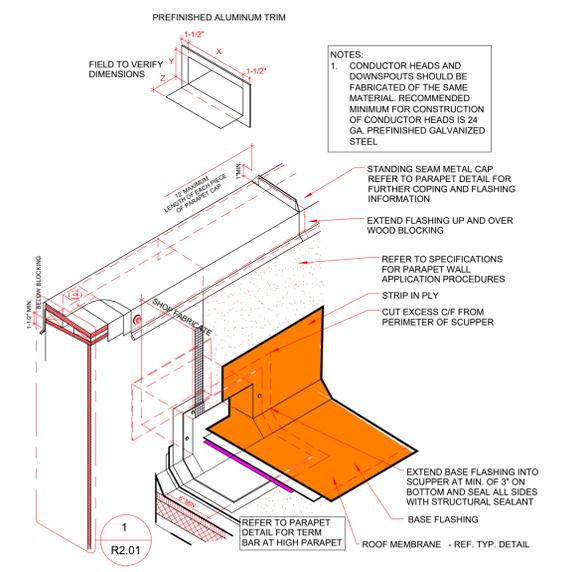
4 LARGE PARAPET EJ AT RISEWALL NOT TO SCALE



3 DOOR SILL AT ROOF NOT TO SCALE



2 CHANGE OF ELEVATION NOT TO SCALE



1 PRIMARY SPITTER NOT TO SCALE

THIS DOCUMENT WAS PRODUCED BY OR UNDER THE DIRECT SUPERVISION OF REGISTERED ENGINEER



ISSUE DATE: 01/20/2026

CONTRACTOR SHALL VERIFY ALL SUBSTRATES, DIMENSIONS, CURBS, PENETRATIONS, ECT. THOSE SHOWN ARE TYPICAL BUT MAY NOT BE ALL INCLUSIVE  
Copyright 2025 by Armko Industries

ISSUES	
Issue For Construction	10/07/2025

REVISIONS	

PROJECT FOR:  
WEST TEXAS A&M UNIVERSITY  
ROOF REPLACEMENT PROJECT  
MULTIPLE BUILDINGS  
CANYON, TX 79015

JOB: 25-1183-49  
DATE: 10/07/2025  
DRAWN BY: AA/JK  
CHECKED BY: CB

ROOF DETAILS



TEXAS REGISTERED  
ENGINEERING FIRM F-6498  
2505 79TH ST., SUITE A  
LUBBOCK, TEXAS 79423  
(972) 874-1388

THIS DOCUMENT WAS  
PRODUCED BY OR UNDER  
THE DIRECT SUPERVISION  
OF REGISTERED ENGINEER



ISSUE DATE: 01/20/2026

CONTRACTOR **SHALL** VERIFY ALL  
SUBSTRATES, DIMENSIONS,  
CURBS, PENETRATIONS, ECT.  
**THOSE SHOWN ARE TYPICAL BUT  
MAY NOT BE ALL INCLUSIVE**  
Copyright 2025 by Armko Industries

**ISSUES**

Issue For Construction	10/07/2025

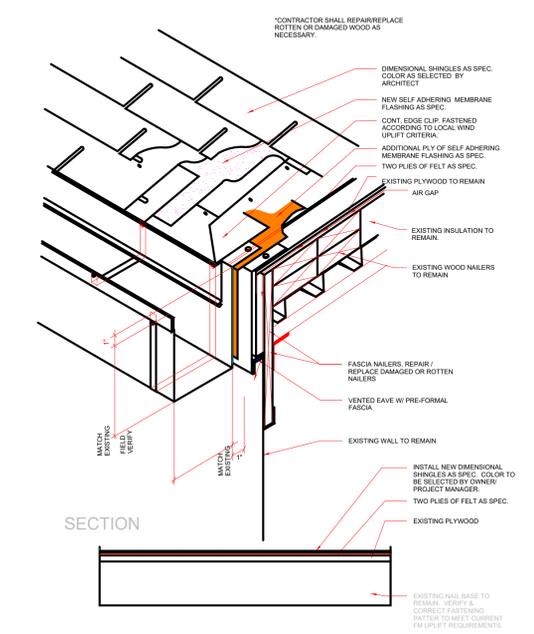
**REVISIONS**


PROJECT FOR:  
WEST TEXAS A&M UNIVERSITY  
ROOF REPLACEMENT PROJECT  
MULTIPLE BUILDINGS  
CANYON, TX 79015

JOB: 25-1183-49  
DATE: 10/07/2025  
DRAWN BY: AA/JK  
CHECKED BY: CB

ROOF DETAILS

**R2.05**



1 SHINGLES - METAL EDGE GUTTER  
NOT TO SCALE