STATEMENT OF WORK

1. FNWZ 26-0180, Repair Simulator Roof Building 6030A & C, located at 617 Ave C., Dyess AFB, TX 79607. The existing Standing seam metal roof was originally installed on B6030A circa 1984, and on B6030C circa 1988. The roof has been damaged by vegetation rubbing and scraping on the panels, corrosion, and the finish flaking or wearing off. Multiple areas of concern continue to cause maintenance issues and water leaks.

2. EXISTING SITE CONDITIONS: Site verify existing conditions. The existing roof is a standing seam metal roof (SSMR). Areas D (3423 sf), E (4034 sf), F (3421 sf), N (1691sf), Q (1948 sf), O (6637 sf), P (4660 sf) and T (246 sf), (refer to roof plan in Appendix A) calculate to approximately 26,060 sf. The identified areas' SSMR finish is flaking/peeling/wearing off or have pinhole leaks.

3. DESCRIPTION OF WORK:

a. Prepare affected areas for new finish by power washing, scraping, scrubbing, etc. to remove any loose, or damaged existing finish. Ensure final surface is clean and free from surface contamination that would prevent new coating adherence, in accordance with coating manufacturer's instructions. Contain all material removed due to surface preparations, and dispose of the material off-base, and in accordance with all local, state and federal regulations. Do not allow the material to be disposed of to contaminate the site or migrate off site. If the membrane manufacturer requires a primer, apply and allow to cure for the recommended time prior to installing the polyurea system. Apply manufacturer's recommended UV and color-stable top coat to protect the polyurea coating. This top coat shall be an integral component in the system.

b. Coat existing roof with seamless, aluminized polyurea spray-on, two-component roofing system to 80 mil according to manufacturer's requirements. Refer to Attachment C, 09 90 00.50. Coating shall extend to the roof edge. The original SSMR color is a dark bronze. The polyurea coating shall be as close of a match to the dark bronze as is possible.

c. Unless otherwise indicated to be salvaged, reused, or reinstalled, the Government does not wish to retain any item indicated to be removed.

d. Fascia: Provide Provide polyurea system to any standing seam metal roof panels (SSMR) within the identified work areas.

e. Provide the government with an accurate accounting of C&D haul off waste weight for environmental records.

f. Contractor lay-down area shall be approved by the Contracting Officer.

g. Contractor shall hoist, crane, or chute all materials to and from the roof from the exterior. Damage to existing building & grounds shall be repaired with matching materials by the contractor.

h. Lightning Protection System (LPS): The LPS was recently replaced and certified. Great care must be taken to not coat the new LPS. Fully mask off the conductors, brackets, air terminals, etc. to prevent any coating material from contaminating the LPS system. Minimize stress on the components during masking and unmasking. Upon completion of the recoating, but before final acceptance, a third-party recertification must occur, in accordance with UFCs 3-110-03 & 3-575-01. The certification process shall report all test measurement resistance readings to the Government identifying each test point with a unique location tag that corresponds to the as-built roof plan, locating the LPS. This report shall be submitted to the government in an AF3000 material submittal. LPS systems must be compliant with requirements as stated in AFMan 32-1065, and NFPA 780 in that priority order. If any part of the system fails to meet the recertification requirements, repairs shall be made at no additional cost to the government, until the LPS is certified.

i. Contractor shall hoist, crane, or chute all materials to and from the roof from the exterior. Damage to existing building & grounds shall be repaired with matching materials by the contractor.

4. **PERFORMANCE PERIOD:** 120 calendar days.

5. **GOVERNMENT FURNISHED ITEMS:** Field verification is required. Restroom access is not available; Contractor must provide temporary facilities. Power access via contractor-provided extension cords may be available, if coordinated with facility manager, otherwise, it is recommended contractor provides necessary power generation. Contact Contracting Officer for any other required Government furnished items.

6. **PHASING REQUIREMENTS:** Protect the facility by phasing the roof repair work so that the flashing repairs are not left open to the elements at the end of each work day. It is unacceptable for moisture from weather events to leak inside Building 6030 during roof repairs.

All facilities will remain entirely occupied and operational during execution of this task order. Coordinate roof repairs phasing with facility manager. Special care shall be taken to prevent construction materials, OSHA barriers, or other debris from falling / blowing onto the ground. Photography may be restricted or prohibited.

7. ATTACHMENTS: This SOW includes the following Attachments:

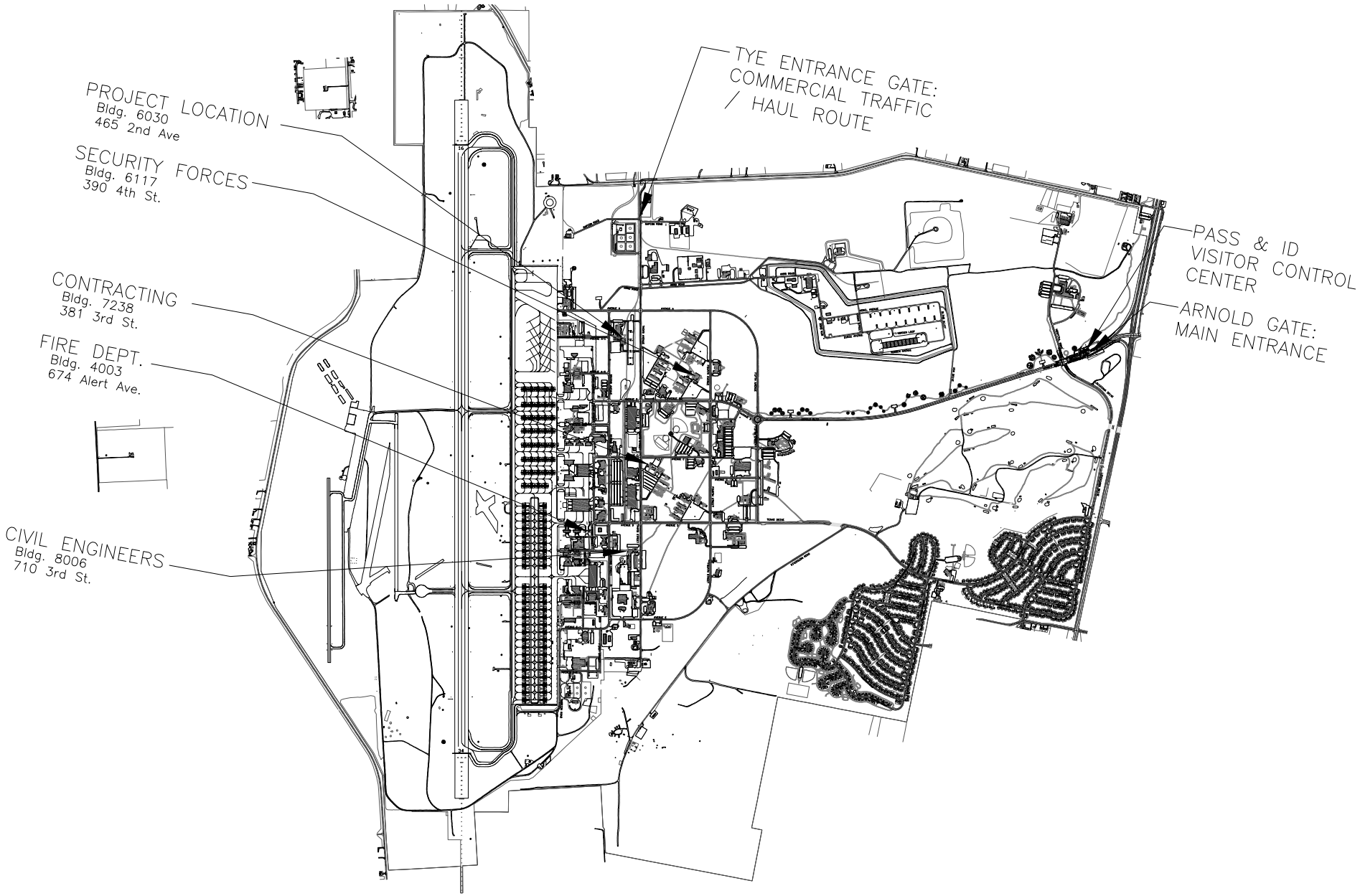
A. Project Location, Roof Plan,

B. Existing Condition Photos

C. Specification – 09 90 00.50 Aluminized Polyurea Roof Coating System

*** END OF STATEMENT OF WORK ***

ATTACHMENT A


PROJECT LOCATION
Bldg. 6030
465 2nd Ave
SECURITY FORCES
Bldg. 6117
390 4th St.
CONTRACTING
Bldg. 7238
381 3rd St.
FIRE DEPT.
Bldg. 4003
674 Alert Ave.
CIVIL ENGINEERS
Bldg. 8006
710 3rd St.
TYE ENTRANCE GATE:
COMMERCIAL TRAFFIC
/ HAUL ROUTE
PASS & ID
VISITOR CONTROL
CENTER
ARNOLD GATE:
MAIN ENTRANCE

☐ Warranty Perimeters ☐ Inventory Photos ☑ Deficiency Photos ☑ Section Areas ☑ Section Labels

Google
Imagery ©2024 Airbus, CNES / Airbus, Maxar Technologie
DISA
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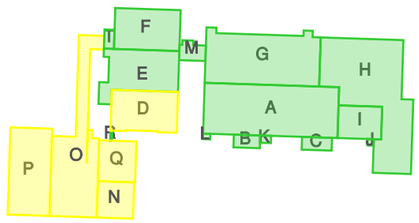
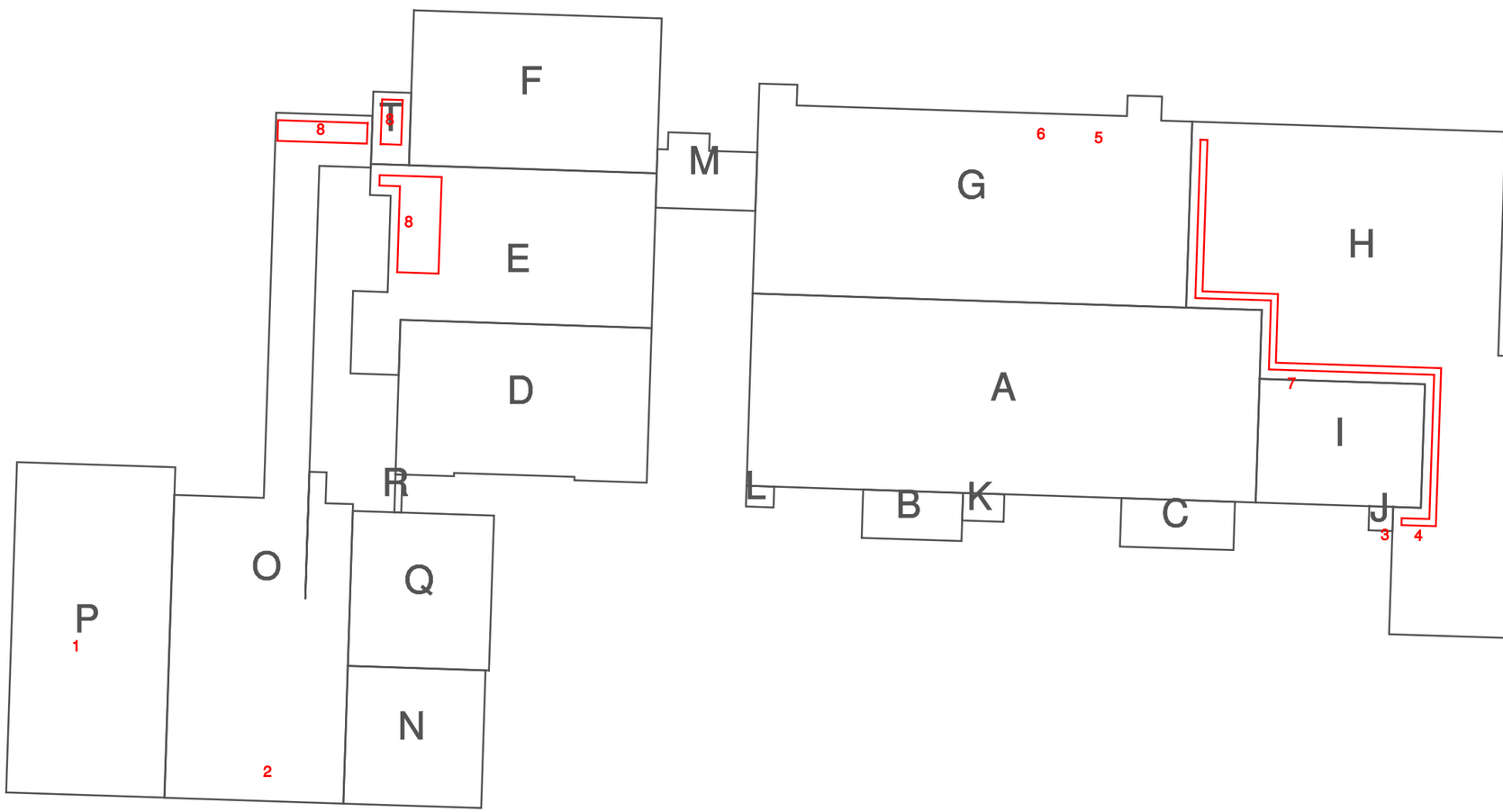
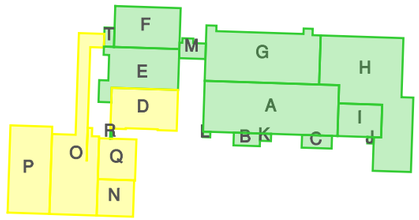


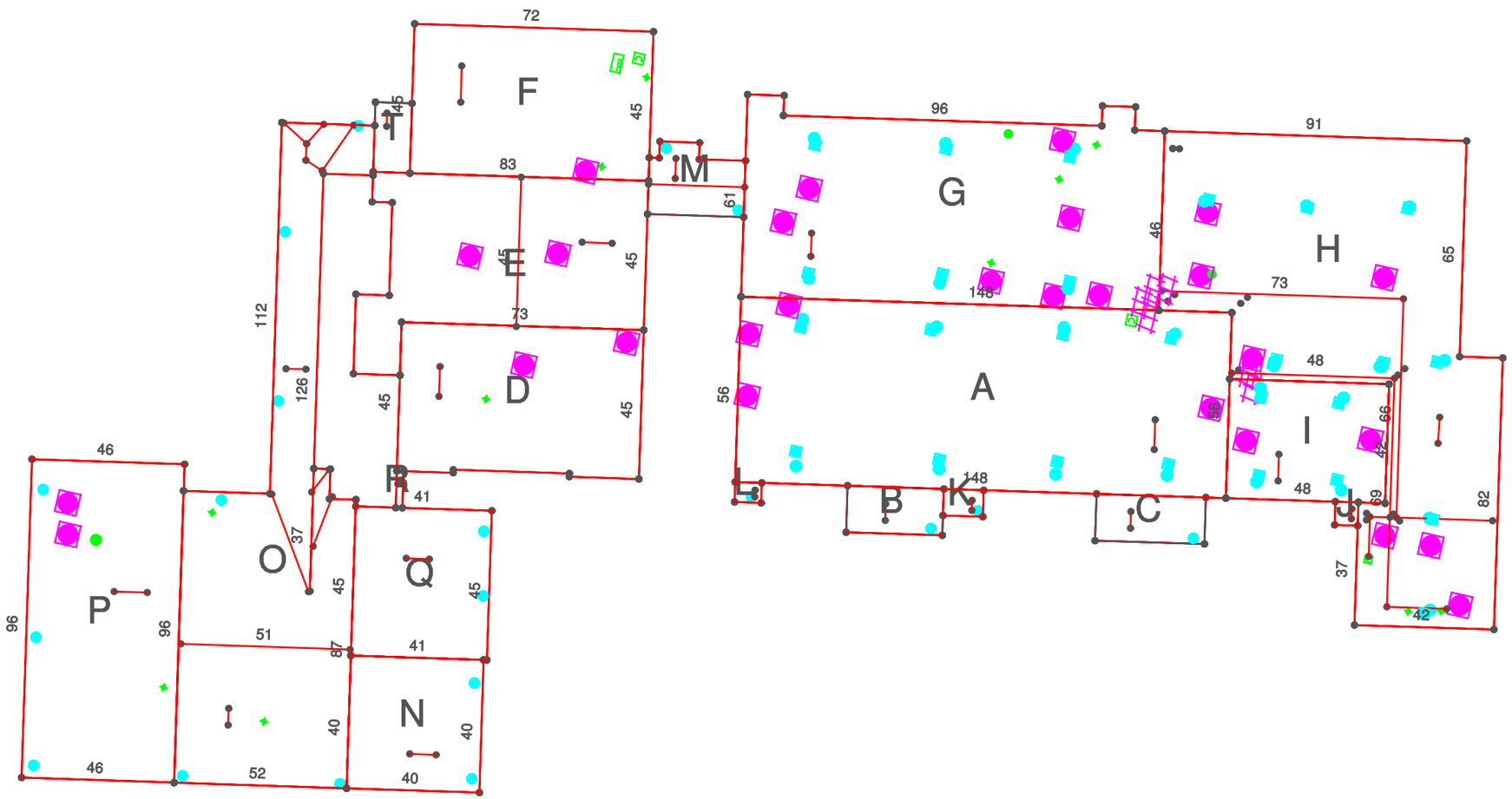


LEGEND

1-Boot defect
2-Boot defect
3-Downspout damage
4-Step, base, and cap flashing defects (LF)
5-Pitch pan defect
6-Pitch pan defect
7-Metal flashing defects (EA)
8-Vegetation (SF)

CLIENT DATA					
Dyess AFB: 06030-B1 Simulator				PROJECT NO. 107673	BLUEFIN, LLC. ROOFING/PAVING/WALLS 6312 S FIDDLERS GREEN CIR SUITE #100 EAST GREENWOOD VILLAGE, CO 80111
DWG.NO.	DATE 2022-12-27	SCALE 1:36.7479	REV.	DRAWN BY System	BLUEFIN Improving Facility Performance
				CHECKED	
FILE NAME 17227		SHEET 1 OF 1		SIZE	TITLE Property





LEGEND

- Antenna
- Curb (select size)
- Downspout
- Electric box cover
- Electrical line penetration
- Exhaust fan-Extractor vent
- Field drain
- Hatch (select size)
- Hot stack
- Ladder
- Overflow drain
- Pipe vent

CLIENT DATA					
Dyess AFB: 06030-B1 Simulator				PROJECT NO. 107673	BLUEFIN, LLC. ROOFING/PAVING/WALLS 6312 S FIDDLERS GREEN CIR SUITE #100 EAST GREENWOOD VILLAGE, CO 80111
DWG.NO.	DATE 2022-12-27	SCALE 1:36.7479	REV.	DRAWN BY System	BLUEFIN Improving Facility Performance
				CHECKED	
FILE NAME 17227		SHEET 1 OF 1		SIZE	TITLE Property

ATTACHMENT B

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All
SECTION: D (Metal)
TYPE: All
Apply RESET

Section: D (Metal)
Origin Survey: -

Notes:

Section: D (Metal)
Origin Survey: -

Notes:

Section: D (Metal)
Origin Survey: -

Notes:

Section: D (Metal)
Origin Survey: -

Notes:

Section: D (Metal)
Origin Survey: -

Notes:

Section: D (Metal)
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: D (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: D (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: D (Metal)
Perimeter Segment: Parapet
Origin Survey: -

Notes:

Section: D (Metal)
Perimeter Segment: Parapet
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: D (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: D (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

< 1 2 > Displaying items 1-20 of 26 in total

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance

Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All

SECTION: E (Metal)

TYPE: All

Apply RESET

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Origin Survey: -

Notes:

Section: E (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: E (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: E (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: E (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: E (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: E (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: E (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: E (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: E (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: E (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: E (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: E (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

< 1 2 > Displaying items 1-20 of 30 in total

Section: E (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Monitor - Patched or repaired areas
Origin Survey: -

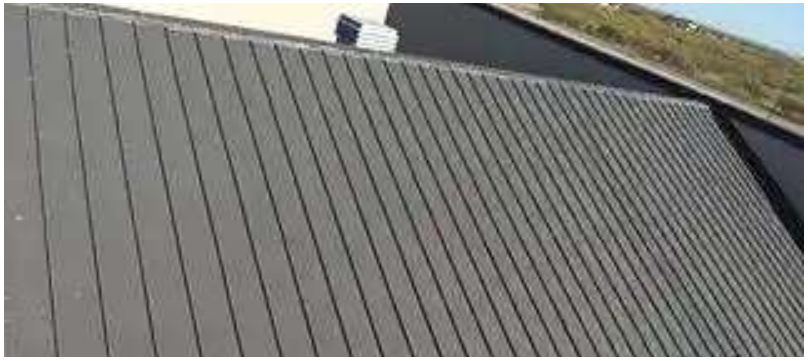
Notes:

Section: E (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Monitor - Patched or repaired areas
Origin Survey: -

Notes:



Section: E (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Monitor - Patched or repaired areas
Origin Survey: -

Notes:

Section: E (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

< 1 2 >

Displaying items 21-30 of 30 in total

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance

Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All
SECTION: F (Metal)
TYPE: All
Apply RESET

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: F (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: F (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: F (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: F (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Electric box cover
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Electric box cover
Origin Survey: -

Notes:

< 1 2 >

Displaying items 1-20 of 38 in total

Section: F (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Electric box cover
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Curb (select size)
Origin Survey: -

Notes:

Section: F (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Curb (select size)
Origin Survey: -

Notes:

Section: F (Metal)
Inventory: Curb (select size)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

Section: F (Metal)
Defect Status: Repaired - Fastener defects (EA)
Origin Survey: -

Notes:

< 1 2 >

Displaying items 21-38 of 38 in total

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All
SECTION: N (Metal)
TYPE: All
Apply RESET

Section: N (Metal)
Origin Survey: -

Notes:

Section: N (Metal)
Origin Survey: -

Notes:

Section: N (Metal)
Origin Survey: -

Notes:

Section: N (Metal)
Origin Survey: -

Notes:

Section: N (Metal)
Origin Survey: -

Notes:

Section: N (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: N (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: N (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: N (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: N (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: N (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: N (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

< 1 2 > Displaying items 1-20 of 24 in total

Section: N (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: N (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: N (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: N (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All
SECTION: O (Metal)
TYPE: All
Apply RESET

Section: O (Metal)
Origin Survey: -

Notes:

Section: O (Metal)
Origin Survey: -

Notes:

Section: O (Metal)
Origin Survey: -

Notes:

Section: O (Metal)
Origin Survey: -

Notes:

Section: O (Metal)
Origin Survey: -

Notes:

Section: O (Metal)
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

< 1 2 >

Displaying items 1-20 of 66 in total

Section: O (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: O (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: O (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: O (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Ridge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

< 2 3 > Displaying items 21-40 of 66 in total

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Ridge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Hip
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Hip
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Ridge
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: O (Metal)
Inventory: Valley
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Repaired - Gutter damage (LF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Repaired - Gutter damage (LF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Repaired - Gutter damage (LF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Repaired - Debris (SF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

< 3 4 > Displaying items 41-60 of 66 in total

Section: O (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Repaired - Debris (SF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: O (Metal)
Defect Status: Repaired - Debris (SF)
Origin Survey: -

Notes:

< 3 4 >

Displaying items 61-66 of 66 in total

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All
SECTION: P (Metal)
TYPE: All
Apply RESET

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Electrical line penetration
Origin Survey: -

Notes:

< 1 2 >

Displaying items 1-20 of 36 in total

Section: P (Metal)
Inventory: Exhaust fan/Extractor vent
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: P (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: P (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: P (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: P (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Hot stack
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Antenna
Origin Survey: -

Notes:

Section: P (Metal)
Inventory: Pipe vent
Origin Survey: -

Notes:

Section: P (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: P (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

Section: P (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

Section: P (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: P (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: P (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: P (Metal)
Defect Status: Proposed - Boot defect
Origin Survey: -

Notes:

< 1 2 > Displaying items 21-36 of 36 in total

PERFORM™ BY MANTIS INNOVATION

Dashboard Properties Maintenance Finance

Documents

← ALL DYESS AFB PROPERTIES

06030-B1 Simulator

Address
Dyess AFB Abilene, TX 79607

Region
South

Area
58,045 SF

Subscribed Services
Roof Pavement Mechanical

Property Summary | Assets | Inventory | Defects & Repairs | Work Orders | Finance | Users | Documents | Drawings | Images

Images

Filters

SERVICE TYPE: All

SECTION: Q (Metal)

TYPE: All

Apply RESET

Section: Q (Metal)
Origin Survey: -

Notes:

Section: Q (Metal)
Origin Survey: -

Notes:

Section: Q (Metal)
Origin Survey: -

Notes:

Section: Q (Metal)
Origin Survey: -

Notes:

Section: Q (Metal)
Origin Survey: -

Notes:

Section: Q (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: Q (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: Q (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: Q (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: Q (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: Q (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: Q (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: Q (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: Q (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: Q (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: Q (Metal)
Inventory: Downspout
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Evidence of repairs (LF) (Describe in notes)
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Evidence of repairs (LF) (Describe in notes)
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Evidence of repairs (LF) (Describe in notes)
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: Q (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Dyess AFB

← Back to Properties List

06030-B1 Simulator

Overview | Asset Management | Energy | Sustainability | Rebates | Savings | Finance | Documents

Map | Assets | Inventory | Defects & Repairs | Work Orders | Drawings | Images

Filters (1)

Section: T (Metal)
Origin Survey: -

Notes:

Section: T (Metal)
Origin Survey: -

Notes:

Section: T (Metal)
Origin Survey: -

Notes:

Section: T (Metal)
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Parapet
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Wall
Origin Survey: -

Notes:

Section: T (Metal)
Inventory: Slope
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Parapet
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Edge
Origin Survey: -

Notes:

Section: T (Metal)
Perimeter Segment: Parapet
Origin Survey: -

Notes:

Section: T (Metal)
Section Assembly: Metal roof surface
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Repaired - Debris (EA)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Repaired - Debris (EA)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Repaired - Debris (EA)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Repaired - Debris (EA)
Origin Survey: -

Notes:

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Displaying items 1-20 of 26 in total

Dyess AFB

← Back to Properties List

06030-B1 Simulator

Overview | Asset Management | Energy | Sustainability | Rebates | Savings | Finance | Documents

Map | Assets | Inventory | Defects & Repairs | Work Orders | Drawings | Images

Filters (1)

Section: T (Metal)
Defect Status: Repaired - Debris (EA)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Monitor - Metal coated surface defect
Origin Survey: -

Notes:

Section: T (Metal)
Defect Status: Proposed - Vegetation (SF)
Origin Survey: -

Notes:

< 1 2 >

Displaying items 21-26 of 26 in total

ATTACHMENT C

PART 1.0 – GENERAL

1.1 APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only. All publications shall be the latest in effect on the date of solicitation. The Contractor shall comply with all Federal, State, and local regulations.

ASTM D 412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension
ASTM D 2240	Standard Test Method for Rubber Property – Durometer Hardness
ASTM D 903	Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
ASTM D 624	Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
ASTM E 96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials

1.2 GENRAL REQUIREMENTS: Applying spray-applied, 1:1 two-component fast set, fully adhered, seamless, aluminized polyurea roof coating system to a prepared roof.

1.3 SUBMITTALS: The following shall be submitted in accordance with AF Form 66 and Specification Section 01010 General Requirements, Paragraph 16.0 - Submittal Requirements:

1.3.1 Certificate of Compliance: Certificates shall include laboratory test reports showing that the Polyurea components have been tested within the last twelve (12) months.

1.3.2 Descriptive Data: Manufacturer's descriptive data including backstop material, primer, and sealer shall be submitted for approval. Descriptive data for Aluminized Polyurea shall include shelf life, curing time, and mixing instructions for two component systems.

1.3.3 Samples: One 4” x 4” square, 80 mil thickness sample of the cured product, and a standard chart of available colors shall be submitted for approval.

1.4 ENVIRONMENTAL REQUIREMENTS: The ambient temperature shall be above 60 degrees F. and at least 5 degrees above the dew point when the coating is applied.

1.5 DELIVERY AND STORAGE: Materials shall be delivered to the job in the manufacturer's original unopened containers. The containers shall include the following information on the label: manufacturer, name of material, formula or specification number, lot number, color, date of manufacture, mixing instructions, shelf life, and curing time when applicable at the standard conditions for laboratory tests. Materials or components outdated as indicated by shelf life shall not be used. Materials shall be carefully handled and stored to prevent inclusion of foreign materials or exposure to temperatures below 60 degrees F. Avoid freezing temperatures. Store drums on wooden pallets to avoid direct contact with the ground. If stored for a long time, rotate Side A and Side B drums regularly. Do Not Open until ready for use. Both side A and side B containers must be fitted with a desiccant device during use.

1.6 Manufacturer Qualifications:

1.6.1 The manufacturer must have a minimum of 10 years' experience in manufacturing aluminized polyurea chemicals.

1.6.2 The material supplier must manufacture the chemicals for the membrane. Manufacturers supplying polyurea made by others are not acceptable.

1.7 Applicator Qualifications:

1.7.1 Applicator: The roofing system must be installed by an applicator authorized and trained by the manufacturer in compliance with shop drawings as approved by the manufacturer. The roofing applicator must be certified as a qualified applicator by the roof system manufacturer.

1.7.2 Provide an adequate number of experienced workers regularly engaged in this type of work who are skilled in the application techniques of the materials specified. Provide at least one thoroughly trained and experienced professional, supported by a written certification on the manufacturer's letterhead and presented for the Contracting Officer's consideration.

PART 2.0 – PRODUCTS

2.1 Materials: Shall conform to the respective specifications and other requirements specified. Each container brought to the jobsite with a different sealant formulation shall be marked for the intended use. For each intended use, the color shall be one of the manufacturer's standard colors as selected by the Contracting Officer.

2.2 Modified Polyurea Liner System suitable for roofing, liquid applied to a minimum of 80 mil coating thickness. The system is a 1:1 two-component system consisting of 100% solids capable of a fast set that adheres to metal, concrete, fiberglass and wood surfaces. Minimum density is to be 9 lbs./gallon.

2.3 Ultraviolet Weathering Resistance: The polyurea membrane exceeds 41,580 kJ/m^2 under Xenon-Arc UV Light testing used for testing "Resistance to Outdoor (Ultraviolet) Weathering." (ASTM D 4637 Specification requires a 7560 kJ/m^2 minimum total radiant exposure at 70 W/m^2 irradiance at 176°F black panel temperature to pass.) The membrane shall show no visible signs of cracking or crazing.

2.4 Membrane Color: Membrane color selection will be made from manufacturer's standard colors, the color chart to be submitted to the Contracting Officer.

2.5 Membrane Properties: Fast set, liquid-applied, two-component, spray-on, aluminized polyurea system that meets the following testing standards:

ASTM D-2240 for hardness: 85 +/- 5, Shore A

ASTM D-412 for elongation: 225% +/- 50

ASTM D-412 for tensile strength: 2000 +/- 200 PSI

ASTM D-624 for tear resistance: 250 +/- PLI

ASTM E-96 for permeability: >0.02 perm in.

Recoat time: 0-12 hours

2.5.1 Upon completion of the installation, the applicator shall arrange for an inspection by a technical representative of the membrane manufacturer to identify any needed corrective repairs required for warranty issuance. Notify the Contracting Officer seventy-two (72) hours before the manufacturer's final inspection.

2.5.2 Inspectors: shall be employed and trained by the manufacturer and have received product-specific training from the manufacturer of the products.

PART 3.0 – EXECUTION

3.1 **S**URFACE PREPARATION

3.1.1 General: All components of the specified roofing system shall be the manufacturer's products or accepted by the manufacturer as compatible. Unless otherwise approved by the Contracting Officer and accepted by the membrane manufacturer, all products must be approved by the manufacturer and covered by the warranty.

3.1.2 Concrete and Masonry Surfaces: Where surfaces have been treated with curing compounds, oil, or other such materials, the materials shall be removed by sandblasting or wire brushing. Laitance, efflorescence and loose mortar shall be removed from the joint cavity. Ensure prepared surface is free of moisture, oils, debris,

3.1.3 Steel Surfaces: Steel surfaces to be in contact with aluminized polyurea shall be pressure washed or, if pressure washing would not be practical or would damage adjacent finish work, the metal shall be scraped and wire brushed to remove loose mill scale. Protective coatings on steel surfaces shall be removed by pressure washing or by a solvent/cleanser that leaves no residue. Prepare roofing surfaces to meet the requirements of the aluminized polyurea coating manufacturer to ensure full bonding with the roof.

3.2 APPLICATION:

3.2.1 Material Safety Data Sheets (MSDS) must always be on location while transporting, storing, and applying materials.

3.2.2 When loading materials onto the roof, the manufacturer's authorized roofing applicator must comply with the Contracting Officer's requirements to prevent overloading and possible disturbance to the building structure.

3.2.3 Proceed with roofing work only when weather conditions comply with the manufacturer's recommended limitations and when conditions permit the work to proceed according to the manufacturer's requirements and recommendations.

3.2.4 Proceed with work so that new roofing materials are not subject to construction traffic. When necessary, new roof sections shall be protected and inspected upon completion for possible damage.

3.2.5 The surface on which the insulation or roofing membrane is to be applied shall be clean, smooth, dry, and free of projections or contaminants that would prevent proper application of or be incompatible with the new installation, such as fins, sharp edges, foreign materials, oil, and grease.

3.2.6 New roofing shall be complete and weathertight at the end of the workday.

3.2.7 On phased roofing, when the completion of flashings and terminations is not achieved by the end of the workday, a daily seal must be performed.

3.2.8 Furnish a minimum 80 Mils of the aluminized polyurea.

3.2.9 Contractor must provide all incidental items required for complete, fully functional membrane installation, including paper masking tape, backstops, and primer.

3.3 WARRANTY:

3.3.1 Provide manufacturer's 15-year Total System Warranty covering labor and all materials with no dollar level. Certification is required with bid submittal.

3.3.2 Pro-rated System Warranties shall not be accepted.

3.3.3 All components of the specified roofing system shall be the manufacturer's products or accepted by the manufacturer as compatible and covered by the warranty.

3.4 ADHESIVES, CLEANERS, AND SEALANTS

3.4.1 The manufacturer shall approve all products, specifically formulated for the intended purpose.

4 CLEAN UP:

4.1 Perform daily clean-up to collect all wrappings, empty containers, paper, and other debris from the project site. Upon completion, all debris and refuse must be disposed of off-base in accordance with all Federal, State, and local regulations.

**** END OF SECTION ****