



COLLIN COUNTY

Office of the Purchasing Agent
2300 Bloomdale Road
Suite 3160
McKinney, Texas 75071
www.collincountytx.gov

COLLIN COUNTY, TEXAS

ADDENDUM No. One (1)

IFB No. 2020-132

INVITATION FOR BID

FOR

CONSTRUCTION, ROOF REPLACEMENT, COLLIN COUNTY CENTRAL PLANT

DATE: FEBRUARY 13, 2020

NOTICE TO ALL PROSPECTIVE BIDDERS:

PLEASE MAKE THE FOLLOWING CHANGES TO THE INVITATION FOR BID:

ADD DOCUMENT:	PRE-BID SIGN-IN SHEET
ADD DOCUMENT:	ARCHITECT'S ADDENDUM No. 1
DELETE DOCUMENT:	TABLE OF CONTENTS
REPLACE WITH:	TABLE OF CONTENTS-ADD #1
ADD DOCUMENT:	SECTION 07 72 33
DELETE DOCUMENT:	DRAWING D1.0
REPLACE WITH:	DRAWING D1.0-ADD #1
DELETE DOCUMENT:	DRAWING R1.0
REPLACE WITH:	DRAWING R1.0-ADD #1
DELETE DOCUMENT:	DRAWING R1.2
REPLACE WITH:	DRAWING R1.2-ADD #1
ADD ATTRIBUTE:	#23-ADDENDUM No. 1 ACKNOWLEDGEMENT
DELETE DOCUMENT:	SECTION 004100-BID FORM
REPLACE WITH:	SECTION 004100-BID FORM ADDENDUM 1

ALL OTHER TERMS AND CONDITIONS OF THE BID AND SPECIFICATIONS REMAIN THE SAME.

SINCERELY,
MICHALYN RAINS, CPPO, CPPB
PURCHASING AGENT

JDG



IFB# 2020-132 PRE-BID CONFERENCE SIGN-IN SHEET

Project:	Construction, Roof Replacement, Collin County Central Plant	Meeting Date:	February 11, 2020
Facilitator:	J. D. Griffin	Place/Room:	Central Plant Conference Room

Name	Company	Phone	E-Mail
IAN DAVIS	CASTRO ROOFING	(214) 381-8108	estimating@castroroofting.com
Matt Clay	Merit Roofing	972-664-0767	info@meritroofing.com
Dustin Daniel	Nations Roof	214-536-0808	DDaniel@NationsRoof.com
Tim Loughry	Nouveau Const.	972-742-2636	TLoughry@nts1p.com
Erik Durraut	J Reynolds	817-271-2662	Erik@jreynolds.com
DAN TRYTHALL	DAN TRYTHALL / Sika	214-578-5007	DAN@INTITRY.NET
Lucas Miller	Premiere Roofing	903-732-8820	lucas@premiereroofing.net
David Dooley	Collin County	903-421-2561	ddooley@co.collin.tx.us
DAN DEMEYER	DRYTEC	214-212-0254	ddemeyer@drytecMPTC.com
Matt Wagner	Precision Waterproofing & Roofing	214-690-0072	Matt.Wagner@precisionwpr.com
ROBERT EDWARDS	JT Red Comm. Roofing	214-394-0930	REDWARDS@jtreddroofing.com
BILL BALLARD	REB ROOFING	214-425-4606	BILL@REBROOF.COM



IFB# 2020-132 PRE-BID CONFERENCE SIGN-IN SHEET

Project:	Construction, Roof Replacement, Collin County Central Plant	Meeting Date:	February 11, 2020
Facilitator:	J. D. Griffin	Place/Room:	Central Plant Conference Room

Name	Company	Phone	E-Mail
Blanca Roby	Green Roofing	214-604-0911	blanca@greenroofingtx.com
ED Reising	FLYNN	817-955-7630	ED.Reising@flynnco.com
Rick Fort	Anchor Roofing Systems	817-625-4351	Rick@Anchor-Roofs.com
Glynn Anderson	Conicoro	972-557-8789	ganderson@conicoro.com
JJ Eusay	Progressive Roofing	214-998-8155	jj.eusay@progressiveus.com
Josh Brown	Talent Roofing	214-732-7370	Josh.Brown@TalentRoofing.com
LAZ VADASZ	C.C.	972-547-5332	lvadas2@co.collin.tx.us
Haley Drayton	GREEN Roofing	979-229-7159	haley@greenroofingtx.com
J. D. Griffin	Collin Co.		



February 13, 2020

Re: **Roof Replacement**
Collin County Central Plant
4600 Community Drive
McKinney, Texas 75071

ADDENDUM NUMBER 1

This Addendum modifies the Contract Documents as follows:

GENERAL

1. All work shall be performed during the work week (Mondays thru Fridays), weather permitting, unless otherwise approved by Owner.

SPECIFICATIONS

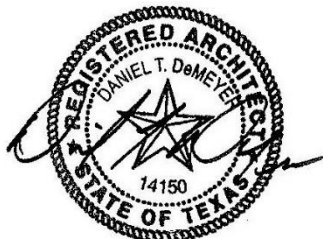
1. The Table of Contents is replaced by the attached Table of Contents for the specification.
2. The Specification Section 07 72 33 Roof Hatch and Safety Rail is added to the specifications for additional scope of work.

DRAWINGS

1. The attached revised Sheets D1.0 and R1.0 clarify that the coping around the cooling towers are to remain, although the intersecting section may need to be replaced due to current configuration. Note number 1 is modified to indicate that no existing equipment is identified at this time as needing to be removed. Keynote number 1 is added to "Coordinate with the Owner's representative to relocate electrical outlets presently in the coping to the field of the roof 18 inches from the parapet."

NUMBER OF ATTACHMENTS: 3

END OF ADDENDUM NUMBER 1



Date of Signing: 02-13-2020

TABLE OF CONTENTS**DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS**

00 1116 - Advertisement.....	1 thru 2
00 2113 - Instruction to Bidders	1 thru 26
00 4100 - Bid Form	1 thru 6
00 4313 - Bid Bond	1
00 4325 - Substitution Request Form.....	1
00 4547 - Conflict of Interest.....	1 thru 3
00 4548 - Chapter 2270 Verification	1
00 5213 - Construction Agreement	1 thru 60
00 5425 - Form W-9.....	1
00 6111 - Performance Bond.....	1
00 6113 - Payment Bond	1
00 6119 - Maintenance Bond.....	1

DIVISION 1 - GENERAL REQUIREMENTS

01 10 00 - Summary	1 thru 2
01 27 00 - Unit Prices	1
01 31 40 - Project Meetings	1
01 33 00 - Submittal Procedures	1 thru 2
01 35 10 - Alterations Project Procedures	1 thru 2
01 42 50 - Definitions.....	1 thru 2
01 43 00 - Quality Control	1
01 50 00 - Temporary Facilities and Controls	1 thru 3
01 60 00 - Product Requirements	1 thru 2
01 70 00 - Contract Closeout	1 thru 3

DIVISIONS 3 thru 6 - NONE IN THIS PROJECT**DIVISION 7 - THERMAL AND MOISTURE PROTECTION**

07 54 19 - Polyvinyl Chloride (PVC) Roofing	1 thru 6
07 56 50 - Minor Roof Renovation Work.....	1 thru 3
07 60 00 - Sheet Metal Work	1 thru 4
07 72 00 - Roof Accessories	1 thru 2
07 72 33 - Roof Hatch and Safety Rail.....	1 thru 4
07 92 00 - Joint Sealants	1 thru 3

DIVISIONS 8 THRU 48 - NONE IN THIS PROJECT

Date of Signing: 13 February 2020

ROOF HATCH AND SAFETY RAILING
SECTION 07 72 33

PART 1 - GENERAL

1.1 SUMMARY

- A. Factory Fabricated Roof Hatch Guard Rails.
- B. Roof Hatch.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data.
- B. Shop Drawings: Submit shop drawings including profiles, accessories, location, adjacent construction interface, and dimensions.
- C. Warranty: Submit executed copy of manufacturer's standard warranty.

1.3 QUALITY ASSURANCE

- A. Manufacturer: A minimum of 5 years' experience manufacturing similar products.
- B. Installer: A minimum of 2 years' experience installing similar products.
- C. Manufacturer's Quality System: Registered to ISO 9001:2008 Quality Standards including in-house engineering for product design activities.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in manufacturer's original packaging. Store materials in a dry, protected, well-vented area. Inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.

1.5 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard warranty. Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis-of-Design Manufacturer: Type S Roof Hatch by The Bilco Company, P.O. Box 1203, New Haven, CT 06505, 1-800-366-6530, Fax: 1-203-933-8478, Web: www.bilco.com.

2.2 ROOF HATCH

- A. Furnish and install where indicated on plans metal roof hatch Type S, size width and length: match existing. The roof hatch shall be single leaf. The roof hatch shall be pre-assembled from the manufacturer.

B. Performance characteristics:

1. Cover shall be reinforced to support a minimum live load of 40 psf (195kg/m²) with a maximum deflection of 1/150th of the span and a [select: 140 psf (684 kg/m²) wind uplift for galvanized steel (Type S-20) and aluminum (Type S-50) roof hatches or 20 psf (97 kg/m²) for stainless steel (Type S-90) roof hatches or roof hatches with an aluminum cover and galvanized steel curb (Type S-40)].
2. Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing.
3. Operation of the cover shall not be affected by temperature.
4. Entire hatch shall be weather tight with fully welded corner joints on cover and curb.
5. Galvanized steel (Type S-20) and aluminum (Type S-50) roof hatches shall be Miami-Dade Product approved (NOA No. 14-0708.07 Expiration Date: December 2, 2019), meeting large and small missile impact requirements. Florida Product Approval #FL15110.

C. Cover: Shall be 14 gauge (1.9mm) paint bond G-90 galvanized steel(2.3mm) aluminum] with a 3" (76mm) beaded flange with formed reinforcing members. Cover shall have a heavy extruded EPDM rubber gasket that is bonded to the cover interior to assure a continuous seal when compressed to the top surface of the curb.

D. Cover insulation: Shall be fiberglass of 1" (25mm) thickness, fully covered and protected by a metal liner 22 gauge (.8mm) paint bond G-90 galvanized steel.

E. Curb: Shall be 12" (305mm) in height and of [select: 14 gauge (1.9mm) paint bond G-90 galvanized steel or 11 gauge (2.3mm) aluminum]. The curb shall be formed with a 3-1/2" (89mm) flange with 7/16" (11.1mm) holes provided for securing to the roof deck. The curb shall be equipped with an integral metal capflashing of the same gauge and material as the curb, fully welded at the corners, that features the Bil-Clip® flashing system, including stamped tabs, 6" (153mm) on center, to be bent inward to hold single ply roofing membrane securely in place.

F. Curb insulation: Shall be rigid, high-density fiberboard of 1" (25mm) thickness on outside of curb.

G. Lifting mechanisms: Manufacturer shall provide compression spring operators enclosed in telescopic tubes to provide, smooth, easy, and controlled cover operation throughout the entire arc of opening and closing. The upper tube shall be the outer tube to prevent accumulation of moisture, grit, and debris inside the lower tube assembly. The lower tube shall interlock with a flanged support shoe.

H. Hardware

1. Heavy pintle hinges shall be provided
2. Cover shall be equipped with a spring latch with interior and exterior turn handles
3. Roof hatch shall be equipped with interior and exterior padlock hasps.
4. The latch strike shall be a stamped component bolted to the curb assembly.
5. Cover shall automatically lock in the open position with a rigid hold open arm equipped with a 1" (25mm) diameter red vinyl grip handle to permit easy release for closing.
6. Compression spring tubes shall be an anti-corrosive composite material and all other hardware shall be zinc plated and chromate sealed. [For installation in highly corrosive environments or when prolonged exposure to hot water or steam is anticipated, specify Type 316 stainless steel hardware].
7. Cover hardware shall be bolted into heavy gauge channel reinforcing welded to the underside of the cover and concealed within the insulation space.

I. Finishes: Factory finish shall be alkyd based red oxide primed steel.

1. Field painted to match coping with alkyd semi-gloss paint.

2.3 ROOF HATCH FALL PROTECTION SAFETY RAIL AND LADDER EXTENSION SYSTEM

A. Roof Hatch Fall Protection Safety Rail per existing roof hatch dimensions.

B. Description: Steel tube railing system mounted on roof hatch providing an ergonomically correct power grip in a safe upright egress and ingress through roof hatches in addition to protection from accidental falls

through roof opening while roof hatch is open. Includes top and mid-rail and wrap around self-closing gravity gate mounted with heavy duty hinges acting as a ladder extension.

1. Steel Tubing: 1-1/2 inch hot rolled electric welded steel tubing, ASTM A500, Grade B, hot formed.
2. Size: Formed to fit roof hatch size.
3. Height: 42 inch above roof surface when mounted on standard roof hatch cap flashing.
4. Mounting System: Integrated stanchions of rail system through bolted to extended cap flashing of roof hatch using 3/8 inch bolts.
5. Gate System: Gravity self-closing, non-collapsible full wrap around steel tubing grab hold, welded construction. Heavy duty hinges with 5/8 inch hinge pin with built in pinch-less gate stop and pull up full open positioning.
6. Fasteners: Stainless steel 316 Grade Hex head bolts, 3/8 inch x 2 inch, Nylon locking Hex nut and flat washers.
7. Labels: Furnish with manufacturer's standard labels containing safety warnings, Fall dangers, "No Hoisting" warning and manufacturer identification.

C. Performance:

1. Meets and exceeds OSHA Standard CFR 29 1910.23 and CFR 29 1910.27.
2. Meet and exceeds Cal-OSHA §3212. Floor Openings, Floor Holes and Roofs and §3209. Standard Guardrails.

D. Fabrication: Factory formed and fully welded construction, free of sharp edges and snag points.

E. Finish: Factory finished with powder coating.

1. Powder Coat Finish: Manufacturer's standard powder coating; color: Safety Yellow.

2.05 RELATED MATERIALS

- A. Concrete and Masonry Fasteners: Round-head stainless steel screw and neoprene washer with lead expansion anchor, FS FF-S-325, Group IV, Type 2, Powers Rawl Screw Type Nailins.
- B. Nails: Stainless steel material, flathead, wire, barbed, slating, type. For washers use lead or neoprene.
- C. Flashing Cement: ASTM D4586, Type I; asbestos free.
- D. Asphaltic Coating Compound: FS TT-C-494A, Type II.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and openings for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General:

1. Install work watertight, without waves, warps, buckles, fastening stresses or distortion, allowing for expansion and contraction.
2. Coat contact surfaces of dissimilar metals with asphalt coating compound or zinc chromate paint.
3. Install curbs in accordance with manufacturer's instructions.

B. Roof Hatch:

1. Install unit in accordance with manufacturer's instructions and approved submittals.

2. Install unit level and plumb providing wood shims as necessary.
3. Test units for proper function and adjust until proper operation has been achieved.
4. Clean exposed surfaces using manufacturer approved products.

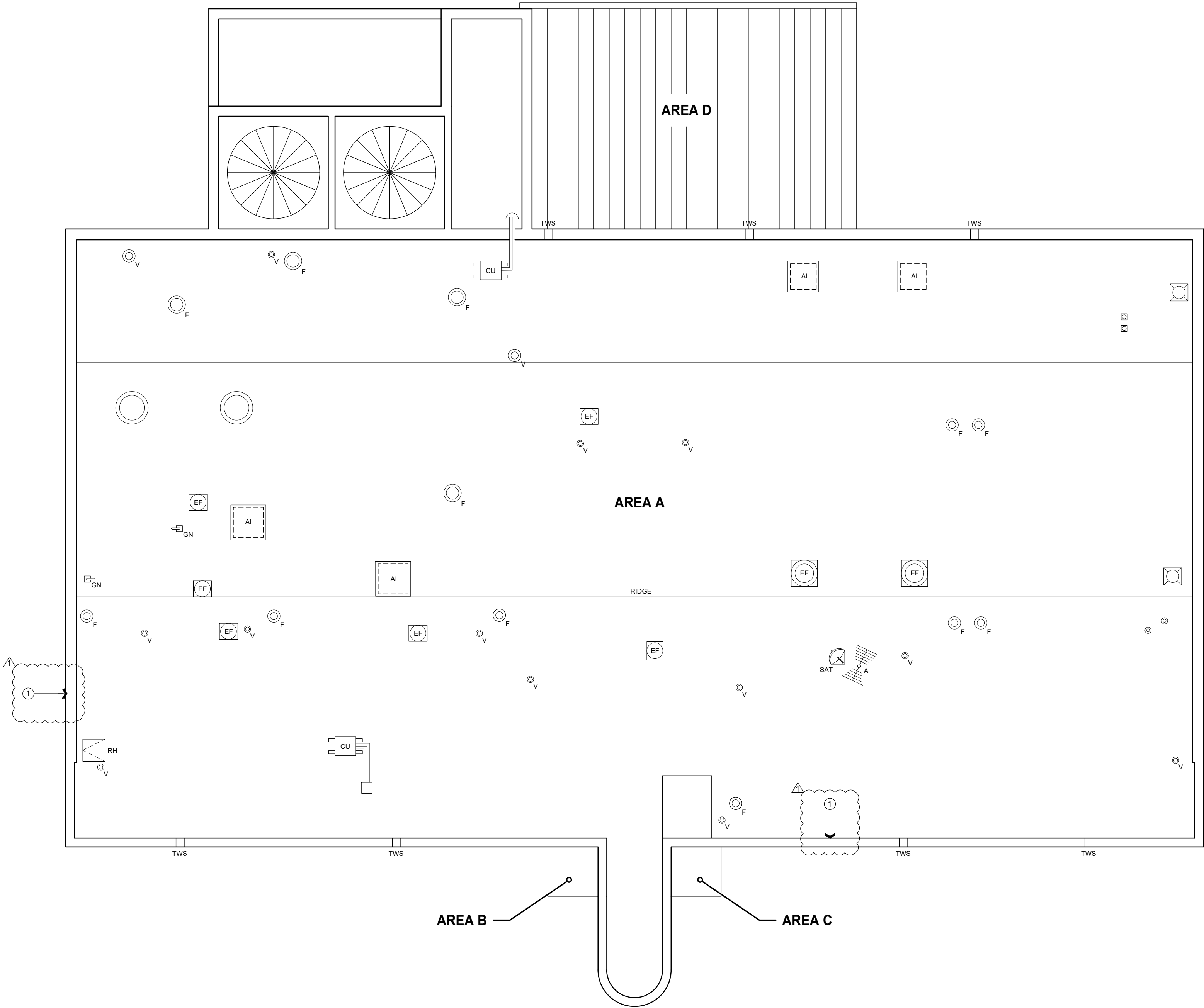
C. Safety Rail System:

1. Install safety rail system by through-bolting to integral curb flashing of roof hatch, avoiding penetration of roof base flashing.

3.3 ADJUSTING AND CLEANING

- A. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.

END OF SECTION 07 72 33



01 DEMOLITION ROOF PLAN

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



General Demolition Notes

1. REMOVE ALL ABANDONED EQUIPMENT AND ASSOCIATED ROOF CURBS. REPAIR DECK AS SPECIFIED.
2. REMOVE ALL ABANDONED DECK PENETRATIONS. REPAIR DECK AS SPECIFIED.

Existing Roof System Description

EXISTING ROOF SYSTEM AREA A:

- MODIFIED BITUMEN TWO PLY ROOF SYSTEM INSTALLED OVER 1" OF PERLITE OVER 2" OF RIGID INSULATION OVER SLOPE METAL DECK.

DEMOLITION SCOPE:

- REMOVE EXISTING ROOF SYSTEM DOWN TO EXISTING METAL DECKING.
- REMOVE ALL ROOFING RELATED SHEET METAL INCLUDING COPING METAL THRU WALL SCUPPERS AND COUNTER FLASHINGS.
- INSPECT METAL DECK FOR RUST AND PAINT WITH RUST INHIBITIVE PRIMER AS REQUIRED.
- REMOVE ALL PITCH PAN PENETRATIONS

EXISTING ROOF SYSTEM AREAS B AND C:

- MODIFIED BITUMEN TWO PLY ROOF SYSTEM AND INSULATION OVER METAL CANOPY DECK.

DEMOLITION SCOPE:

- REMOVE EXISTING ROOF SYSTEM DOWN TO METAL DECK. REMOVE ALL ROOF RELATED METAL EDGING AND COUNTER FLASHINGS. INSPECT METAL DECK FOR RUST AND PAINT WITH RUST INHIBITIVE PRIMER AS REQUIRED.

EXISTING ROOF SYSTEM AREA D:

- STANDING SEAM METAL ROOF

DEMOLITION SCOPE:

- REMOVE EXISTING RISE WALL COUNTER FLASHINGS ALONG SOUTH AND WEST SIDES.

Keyed Note

- 1 CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION OF ELECTRICAL OUTLETS BY OWNER'S ELECTRICIAN.

Legend

RH	ROOF HATCH TO REMAIN	F	FLUE TO REMAIN
SAT	SATELLITE DISH TO REMAIN	V	VENT TO REMAIN
A	ANTENNA TO REMAIN	EF	FLUE TO REMAIN
CU	CONDENSING UNIT TO REMAIN REMOVE WOOD SUPPORTS	GN	GOOSE NECK TO REMAIN
AI	AIR INTAKE TO REMAIN	Hot Stack	HOT STACK TO REMAIN
TWS	THRU-WALL SCUPPER TO REMAIN. REPLACE SLEEVE.	EF	EXHAUST FAN TO REMAIN
		Multiple Pipe Penetration	MULTIPLE PIPE PENETRATION TO REMAIN. REMOVE PITCH PANS.
		Piping	PIPING TO REMAIN

DRYTEC

Moisture Protection
Technology Consultants

8750 N. Central Expwy.
Suite 725
Dallas, Texas 75231
Voice 214-363-2192
Fax 214-818-9813



Date of Signing 1/03/2020

Roof Replacement
Collin County Central Plant
4600 Community Ave.
McKinney, TX 75071

Drawn By CD/AR
Checked By DTD

Revisions

2-13-2020 ADD #1

All drawings and written material appearing herein, constitute original and unpublished work of the Architect and may not be used or disclosed without prior written consent of the Architect.
© 2020 DRYTEC Moisture Protection Technology Consultants, Inc.

SHEET TITLE
**DEMOLITION
ROOF PLAN**

Project Number 85-1818

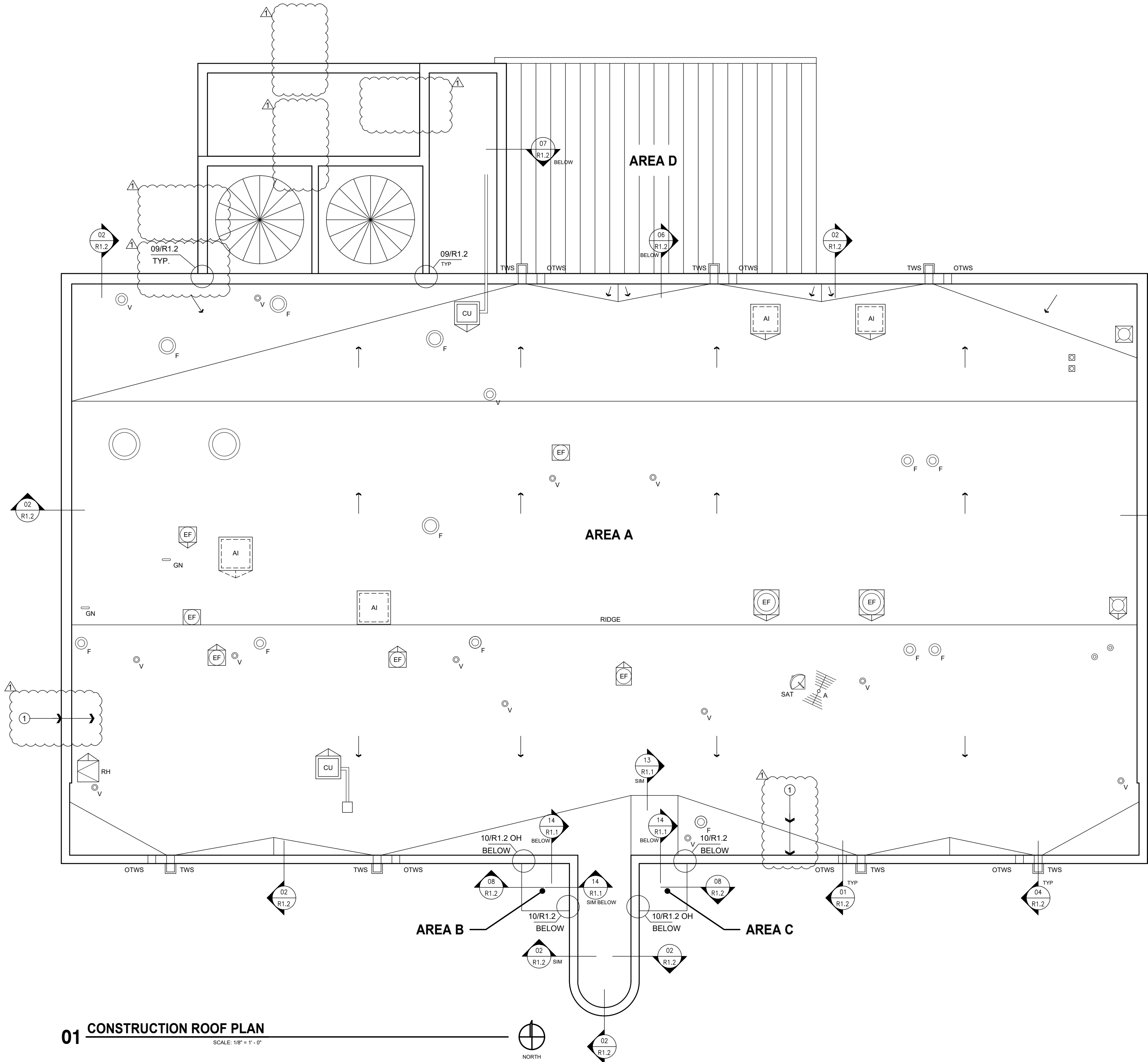
CADD File

Date 1/03/2020

D1.0

Sheet No.

1 of 4 Sheets



01 CONSTRUCTION ROOF PLAN

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

Roof System Description

NEW ROOF SYSTEM IN ROOF AREA A:

- INSTALL NEW SINGLE PLY MEMBRANE FULLY ADHERED OVER
- 1/2" THICK GYPSUM COVER BOARD ADHERED IN LOW RISE FOAM OVER
- 2 1/2" THICK POLYISOCYANURATE INSULATION ADHERED WITH LOW RISE FOAM OVER
- 2" THICK POLYISOCYANURATE INSULATION MECHANICALLY FASTENED TO EXISTING SLOPED METAL DECK
- CRICKETS TO BE FORMED WITH 1/2" PER FOOT TAPERED POLYISOCYANURATE INSULATION

NEW ROOF SYSTEM AREAS B AND C:

- INSTALL NEW SINGLE PLY MEMBRANE FULLY ADHERED OVER
- 1/2" THICK GYPSUM COVER BOARD ADHERED IN LOW RISE FOAM OVER
- 1" STARTING THICKNESS OF 1/4" TAPERED POLYISOCYANURATE INSULATION MECHANICALLY FASTENED TO METAL DECK

EXISTING ROOF SYSTEM AREA D:

- INSTALL NEW RECEIVER AND SEALANT. SECURE NEW 2 PIECE COUNTER FLASHING SECURED TO RECEIVER AT 8" O.C. REFER TO DETAILS 06 & 07/R1.2

General Roof Construction Notes

ROOF AREA A:

1. WHERE EXISTING EQUIPMENT CURBS MUST BE RAISED TO ACCOMMODATE THE THICKNESS OF THE NEW ROOF SYSTEM WITH 8" MINIMUM FLASHING HEIGHT AT THE HIGH POINT OF THE CRICKET, WORK SHALL INCLUDE THE REWORK OF ALL CONDUITS AND ASSOCIATED WIRING. J-BOX PIPING, CONDENSATE DRAIN LINES, REFRIGERANT SUPPLY AND RETURN LINES AND CENTRAL WIRING. REWORK OF REFRIGERANT LINES TO INCLUDE THE EVACUATION OF EXISTING REFRIGERANT AND THE REINSTALLATION OF REFRIGERANT PLUS ANY ADDITIONAL REFRIGERANT REQUIRED TO PROVIDE FULLY CHARGED SYSTEM.
2. ALL REFRIGERANT LINES ARE TO BE SEPARATED SO THEY CAN BE FLASHED ACCORDING TO DETAIL 03/R1.1. WHERE REFRIGERANT LINES ARE TO BE SEPARATED, THIS WORK SHALL INCLUDE THE EVACUATION OF EXISTING REFRIGERANT AND THE REINSTALLATION OF REFRIGERANT PLUS ANY ADDITIONAL REFRIGERANT REQUIRED TO PROVIDE FULLY CHARGED SYSTEM.
3. INSTALL NEW LADDER SAFETY POST ON ROOF ACCESS LADDER AT ROOF HATCH.
4. ENSURE THAT ALL EXISTING EQUIPMENT AND HOODS FIT ONTO NEWLY FLASHED CURBS AND OPENINGS.
5. ANTENNA AND SATELLITE DISH TO REMAIN.
6. PROVIDE WALK PADS AT ROOF HATCH, UNDER ANTENNA/SATELLITE DISH MOUNT, AND ON ALL SIDES OF ALL SERVICE ABLE EQUIPMENT.

Keyed Note

- 1 CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE TO ASSIST OWNER'S ELECTRICIAN WITH RELOCATION OF ELECTRICAL OUTLET 18' AWAY FROM PARAPET.

Legend

RH	ROOF HATCH REFER TO DETAIL 11/R1.1	F	FLUE REFER TO DETAIL 03/R1.1
SAT	SATELLITE DISH INSTALL PROTECTION PADS	V	VENT REFER TO DETAIL 06/R1.2
A	ANTENNA REFER TO DETAIL 06/R1.1	O	FLUE REFER TO DETAIL 06/R1.1
CU	CONDENSING UNIT REFER TO DETAIL 09/R1.1	GN	GOOSE NECK REFER TO DETAIL 06/R1.1
AI	AIR INTAKE REFER TO DETAIL 04/R1.1	EF	HOT STACK REFER TO DETAIL 05/R1.1
TWU	THRU-WALL SCUPPER REFER TO DETAIL 04/R1.2	EF	EXHAUST FAN REFER TO DETAIL
OTWU	OVERFLOW THRU-WALL SCUPPER REFER TO DETAIL 01/R1.2	PIPING	REFER TO DETAIL 07 AND 08/R1.1
00/0000	SECTION CUT DETAIL	XX/XXX	SPECIFIC DETAIL
Multiple lines	MULTIPLE PIPE PENETRATION		



Moisture Protection
Technology Consultants

8750 N. Central Expwy.
Suite 725
Dallas, Texas 75231
Voice 214-363-2192
Fax 214-818-9813



Date of Signing 1/03/2020

Roof Replacement
Collin County Central Plant
4600 Community Ave.
McKinney, TX 75071

Drawn By CD/AR
Checked By DTD

Revisions

2-13-2020 ADD #1

00/0000

SHEET TITLE
CONSTRUCTION
ROOF PLAN

Project Number 85-1818

CADD File

Date 1/03/2020

R1.0

Sheet No.

2 of 4 Sheets



Moisture Protection
Technology Consultants

8750 N. Central Expwy.
Suite 725
Dallas, Texas 75231
Voice 214-363-2192
Fax 214-818-9813



Date of Signing 1/03/2020

Roof Replacement
Collin County Central Plant
4600 Community Ave.
McKinney, TX 75071

Drawn By CD/AR
Checked By DTD

Revisions

2-13-2020 ADD #1

All drawings and written material appearing herein, constitute original and unpublished work of the Architect and may not be used or disclosed without prior written consent of the Architect.
© 2020 DRYTEC Moisture Protection Technology Consultants, Inc.

SHEET TITLE

ROOF DETAILS

Project Number 85-1818

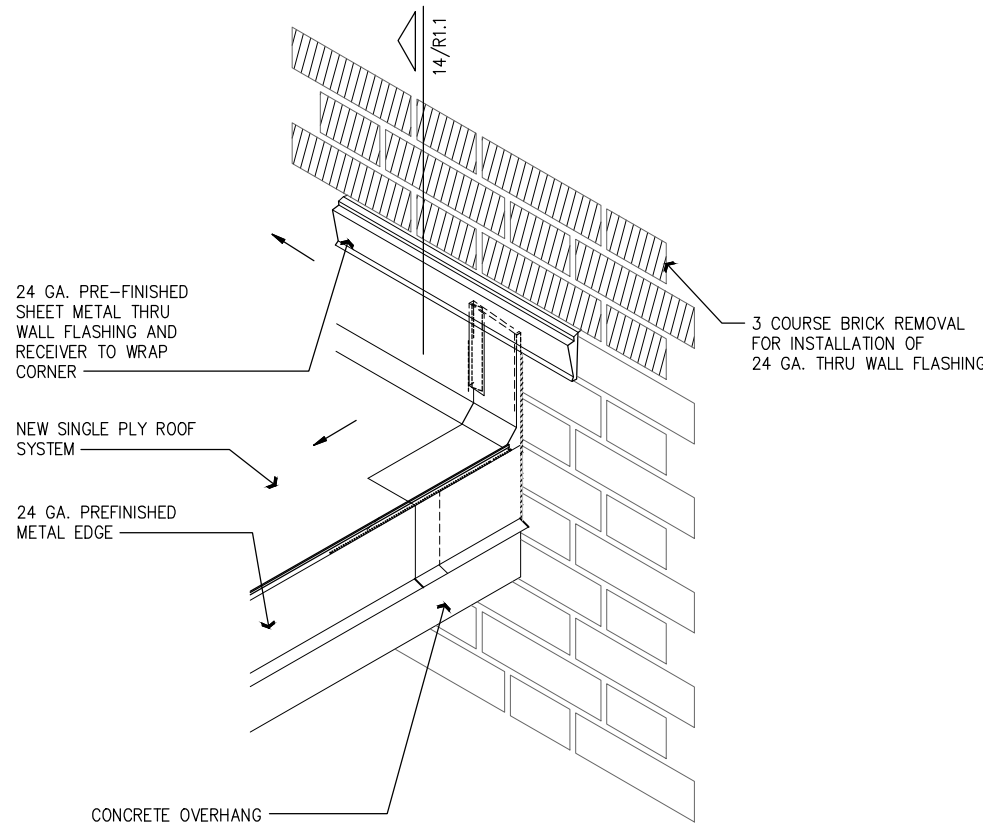
CADD File

Date 1/03/2020

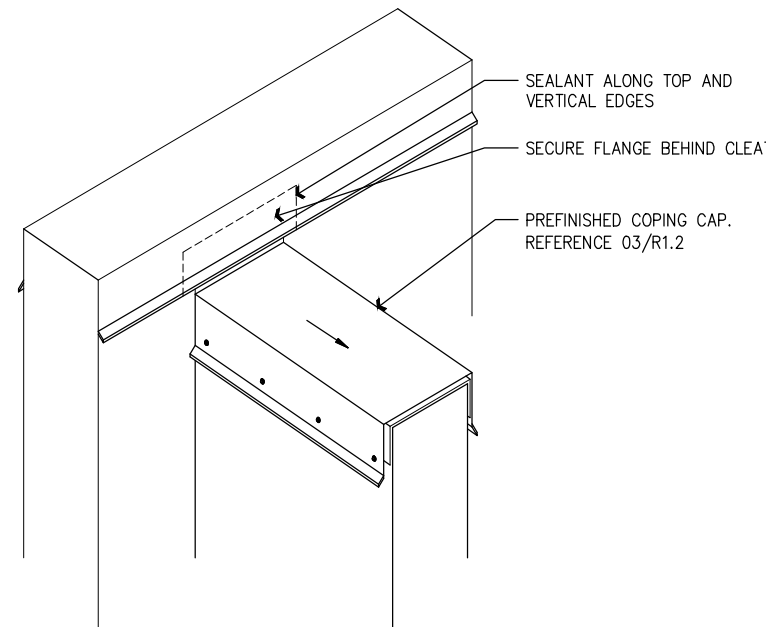
R1.2

Sheet No.

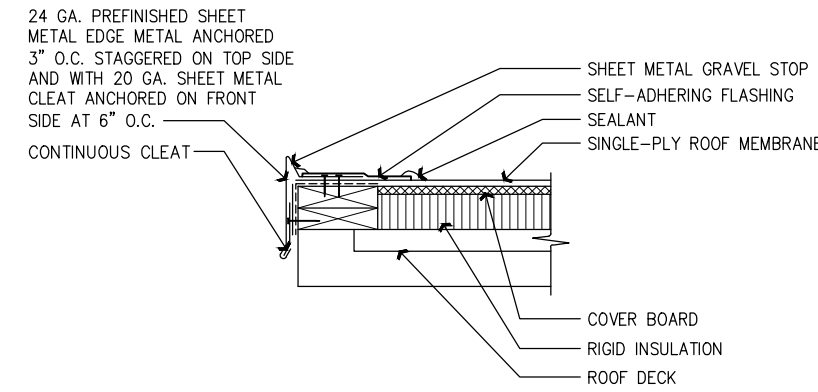
4 of 4 Sheets



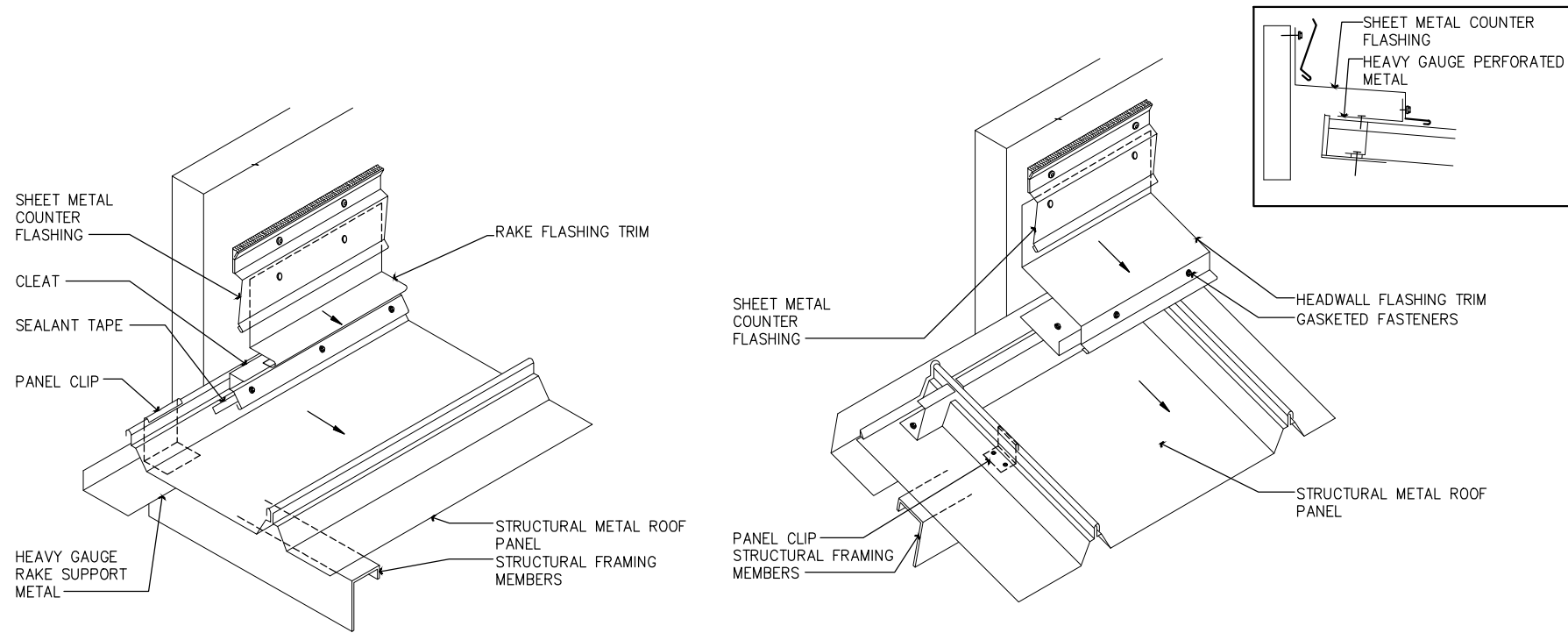
10 EDGE CONDITION DETAIL
SCALE: NTS



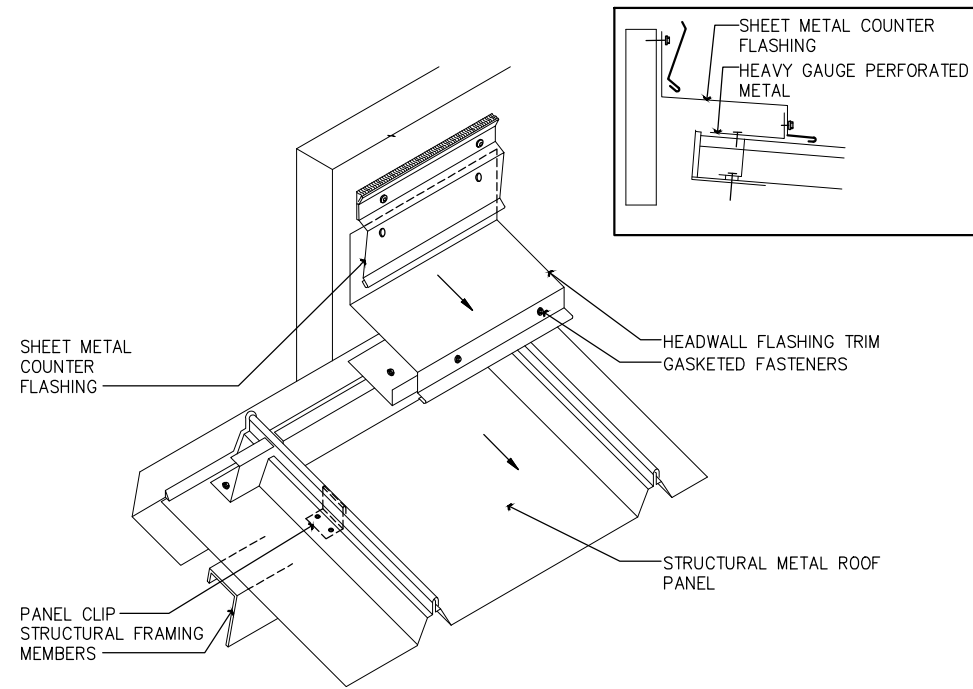
09 PARAPET DETAIL
SCALE: NTS



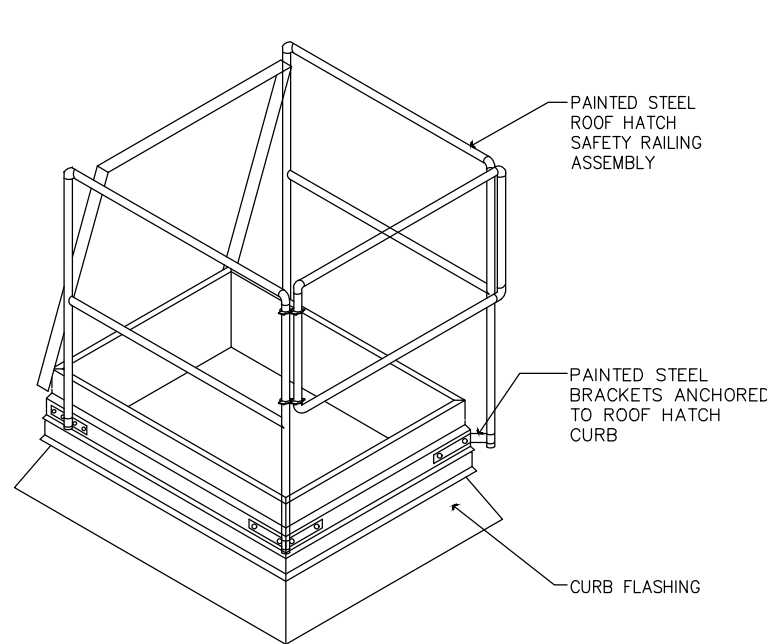
08 EDGE METAL FLASHING DETAIL
SCALE: 1-1/2" = 1' - 0"



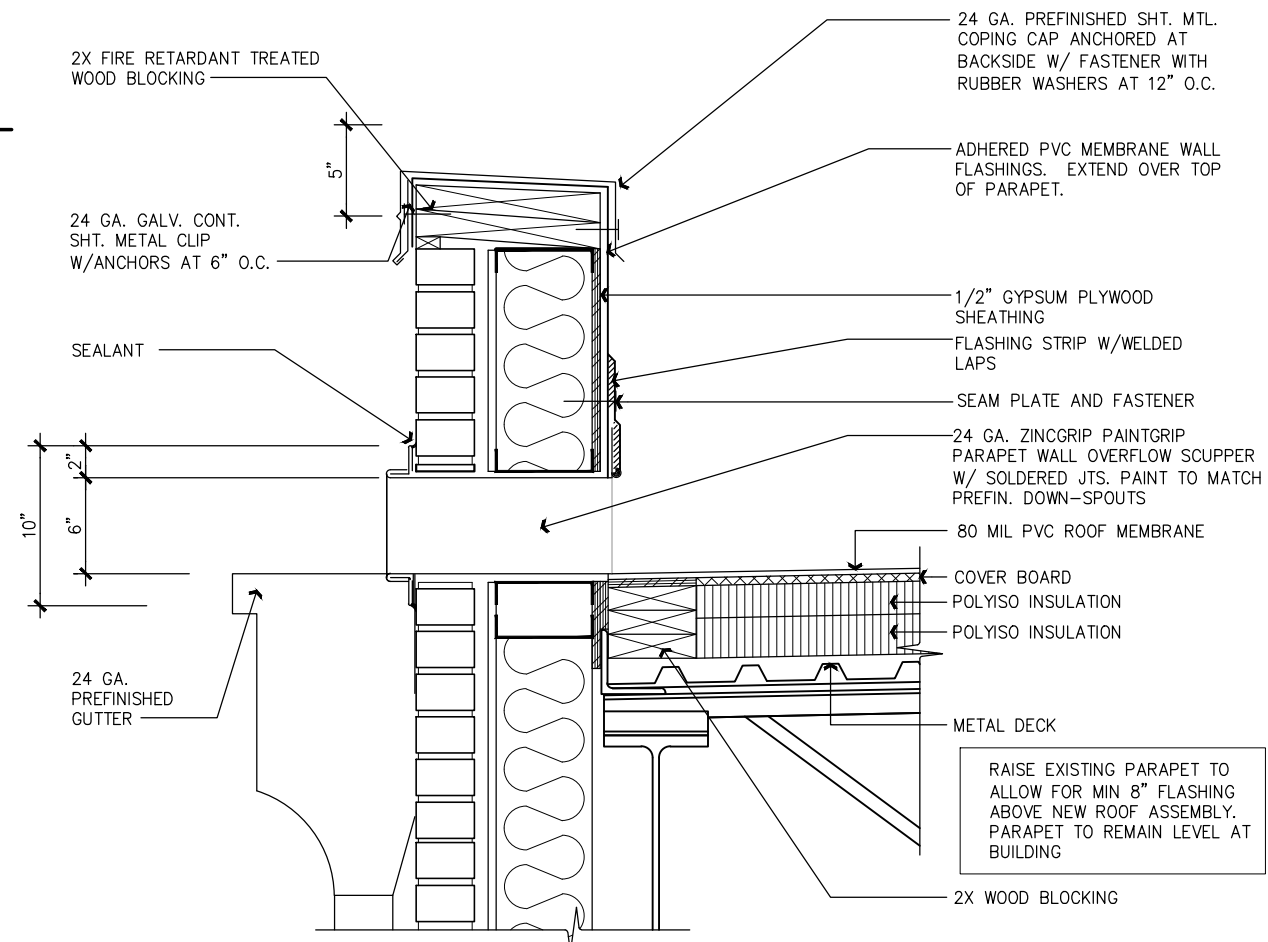
07 SIDEWALL TRANSITION DETAIL
SCALE: NTS



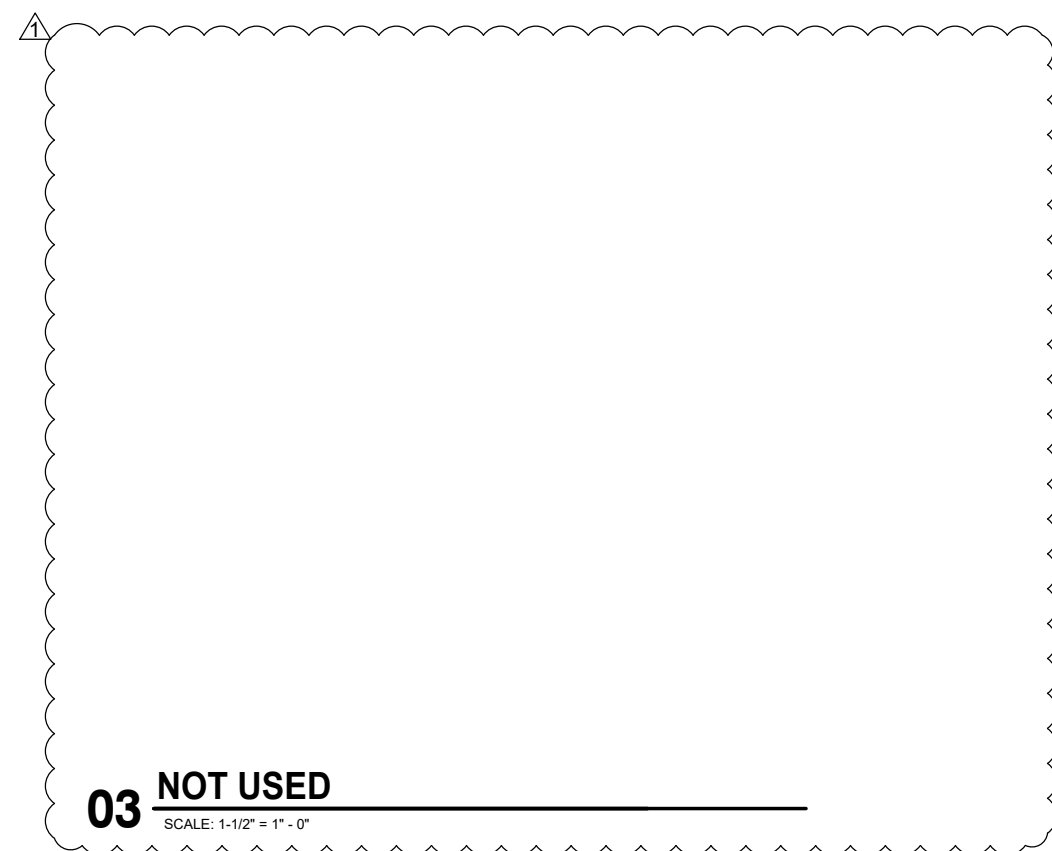
06 HEADWALL TRANSITION DETAIL
SCALE: NTS



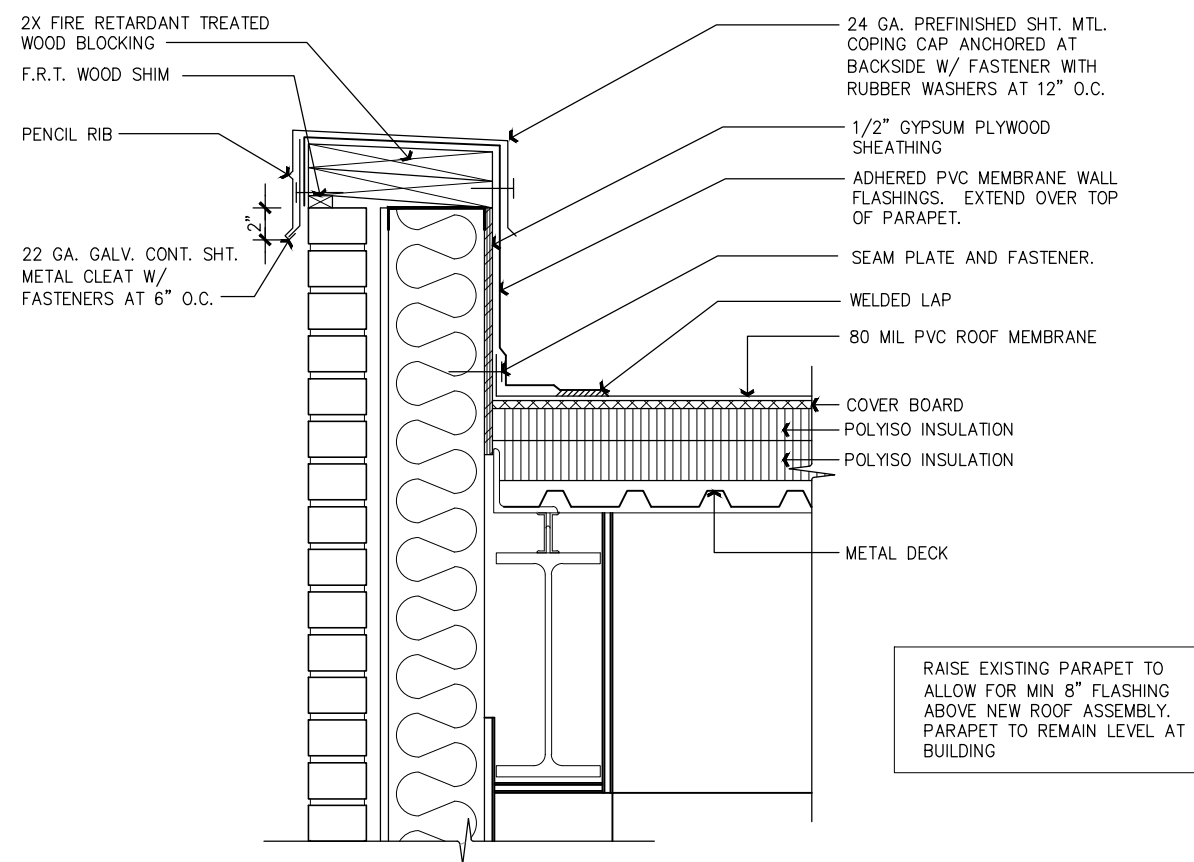
05 ROOF HATCH SAFETY RAILING
SCALE: NTS



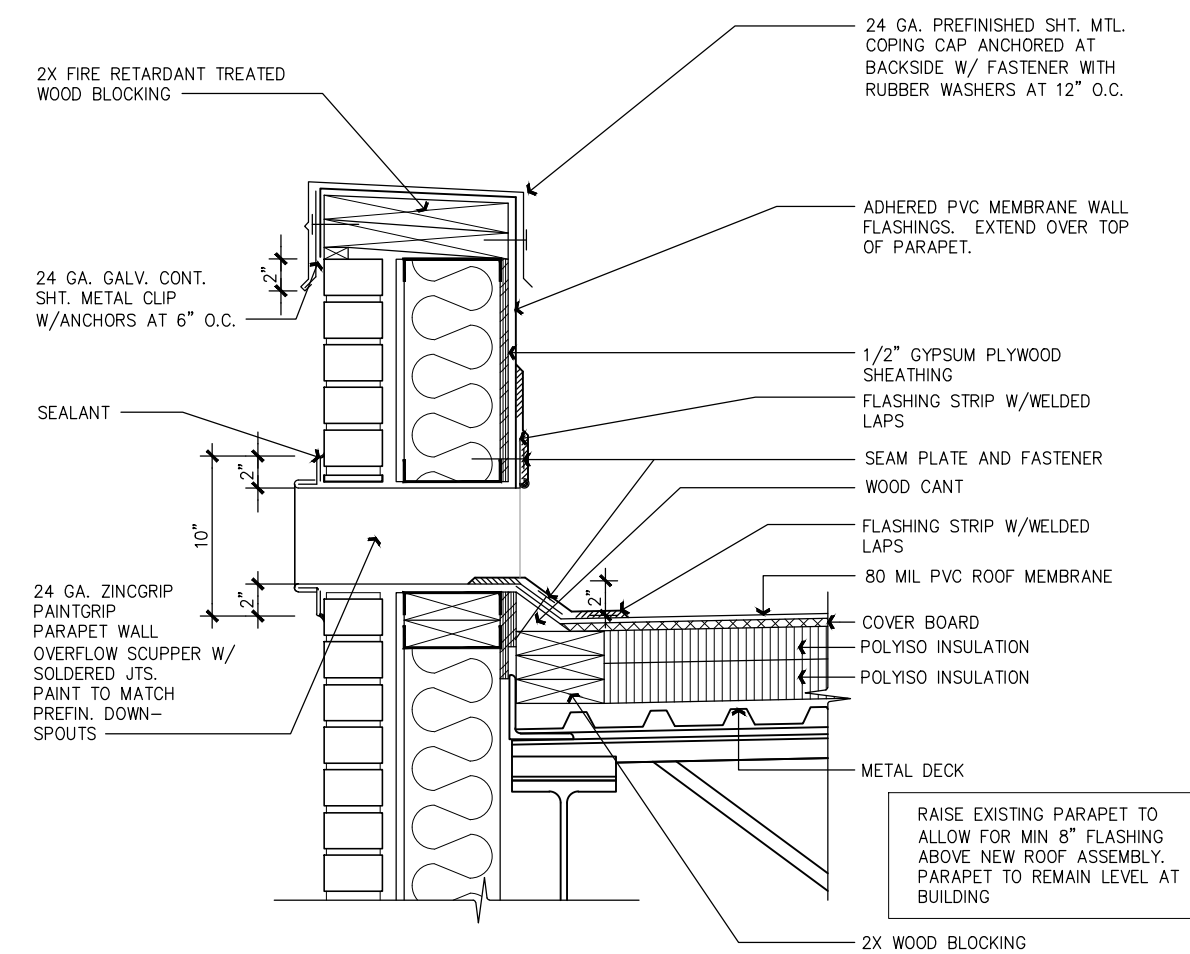
04 THRU-WALL SCUPPER DETAIL
SCALE: 1-1/2" = 1' - 0"



03 NOT USED
SCALE: 1-1/2" = 1' - 0"



02 PARAPET DETAIL
SCALE: 1-1/2" = 1' - 0"



01 THRU-WALL OVERFLOW SCUPPER DETAIL
SCALE: 1-1/2" = 1' - 0"

Section 004100-Bid Form Addendum 1



Collin County Purchasing

2020-132 Addendum 1

Construction, Roof Replacement, Collin County Central Plant

Issue Date: 1/28/2020

Questions Deadline: 2/14/2020 02:00 PM (CT)

Response Deadline: 2/20/2020 02:00 PM (CT)

Collin County Purchasing

Contact Information

Contact: JD Griffin, CPPB Buyer II

Address: Purchasing

Admin. Building

Ste.3160

2300 Bloomdale Rd.

Ste. 3160

McKinney, TX 75071

Phone: (972) 548-4116

Fax: (972) 548-4694

Email: jgriffin@co.collin.tx.us

Event Information

Number: 2020-132 Addendum 1
Title: Construction, Roof Replacement, Collin County Central Plant
Type: Invitation for Bid - Construction
Issue Date: 1/28/2020
Question Deadline: 2/14/2020 02:00 PM (CT)
Response Deadline: 2/20/2020 02:00 PM (CT)
Notes: Scope of work includes the replacement of an existing modified bituminous roof at the Collin County Central Plant, located at 4600 Community Ave., McKinney, Texas 75071.
Please log in to view bid documents.

Ship To Information

Address: Central Plant
4600 Community Ave.
McKinney, TX 75071

Billing Information

Address: Auditor
Admin. Building
Ste. 3100
2300 Bloomdale Rd.
Ste. 3100
McKinney, TX 75071

Bid Activities

Pre-Bid Conference

2/11/2020 2:00:00 PM (CT)

A PRE-BID CONFERENCE will be held by Collin County at Central Plant, 4600 Community Ave., McKinney, TX 75071, 2nd Floor Conference Room on Tuesday, February 11, 2020 at 2:00 PM in order for bidders to ask questions regarding the proposed work. All prospective bidders are requested to have a representative present. It is the bidder's responsibility to review the site and documents to gain a full understanding of the requirements of the bid.

Intent to Bid

2/14/2020 5:00:00 PM (CT)

Do you intend to submit a bid?

Bid Attachments

Addendum 1_2020-132.doc

Addendum 1

[View Online](#)

LEGAL NOTICE-2020-132.doc

Legal Notice

[Download](#)

Roof Replacement, Collin County Central Plant-Specifications.pdf

Specifications

[View Online](#)

Roof Replacement, Collin County Central Plant-Drawings.pdf

Drawings

[View Online](#)

Pre-Bid Sign-In Sheet.pdf

Pre-Bid Sign-In Sheet

[View Online](#)

DRYTEC Addendum No. 1.pdf

Architect's Addendum No. 1

[View Online](#)

View Online

View Online

View Online

View Online

View Online

R1.0 Construction Roof Plan_Add #1.pdf

Drawing R1.0-Add #1

R1.2 Roof Details_Add #1.pdf

Drawing R1.2-Add #1

Requested Attachments

Bid Bond

(Attachment required)

BID SECURITY: All Bidders must submit, prior to the bid opening time, a Certified Check, Cashier's Check or acceptable Bid Bond payable without recourse to Collin County in the amount of not less than five percent (5%) of the total bid plus alternates as submitted. 1. Bid Bond, certified check or Cashier's Check may be mailed or hand delivered to the Office of the Collin County Purchasing Agent, Collin County Administration Building, 2300 Bloomdale Road, Ste 3160, McKinney, TX 75071 and shall be delivered in an envelope, marked plainly on the outside with the Bid Name and Number. 2. Bidders submitting a bid via Collin County eBid shall upload a Bid Bond at <https://collincountytexas.ionwave.net> Regardless of delivery method, all Bid Bonds shall be received prior to the bid opening time to be considered. Failure to submit a copy of bid security prior to bid opening shall be cause for rejection of bid. The original Bid Bond shall be received in the Collin County Purchasing Department no later than close of business on the third working day after the bid opening. Late receipt of original Bid Bond shall be cause for rejection of bid.

W-9

(Attachment required)

Conflict of Interest Questionnaire

Bid Attributes

1 eBid Notice

Collin County exclusively uses IonWave Technologies, Inc. (Collin County eBid) for the notification and dissemination of all solicitations. The receipt of solicitations through any other means may result in your receipt of incomplete specifications and/or addendums which could ultimately render your bid/proposal non-compliant. Collin County accepts no responsibility for the receipt and/or notification of solicitations through any other means. Please initial.

(Required: Maximum 1000 characters allowed)

2 Contact Information

List the contact name, email address and phone number of the main person(s) Collin County should contact in reference to this solicitation. Contact(s) shall be duly authorized by the company, corporation, firm, partnership or individual to respond to any questions, clarification, and or offers in response to this solicitation.

(Required: Maximum 4000 characters allowed)

3 Calendar Days Bid

Please state the consecutive calendar days bid from notice to proceed through completion of project.

(Required: Numbers only)

4 Exceptions

Do you take exceptions to the specifications. If so, by separate attachment, please state your exceptions.

☐ Yes ☐ No

(Required: Check only one)

5 Insurance Acknowledgement

I understand that the insurance requirements of this solicitation are required and are included in the submitted pricing. A certificate of insurance shall be submitted to the Purchasing department if I am awarded all or a portion of the resulting contract. Please initial.

(Required: Maximum 1000 characters allowed)

6 Bonding Requirement Acknowledgement

I understand that the bonding requirements of this solicitation are required and are included in the submitted pricing. A bond certificate (payment, performance, and/or maintenance) as stated in the specification document shall be submitted to the Purchasing department if I am awarded all or a portion of the resulting contract. Please initial.

(Required: Maximum 1000 characters allowed)

7 Subcontractors

State the business name of all subcontractors and the type of work they will be performing under this contract. If you are fully qualified to self-perform the entire contract, please respond with "Not Applicable-Self Perform".

(Required: Maximum 4000 characters allowed)

8 Reference No. 1

List a company or governmental agency, other than Collin County, where these same/like products /services, as stated herein, have been provided. Texas references preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

(Required: Maximum 4000 characters allowed)

9 Reference No. 2

List a company or governmental agency, other than Collin County, where these same/like products /services, as stated herein, have been provided. Texas references preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

(Required: Maximum 4000 characters allowed)

10 Reference No. 3

List a company or governmental agency, other than Collin County, where these same/like products /services, as stated herein, have been provided. Texas references preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

(Required: Maximum 4000 characters allowed)

1
1 **Preferential Treatment**

The County of Collin, as a governmental agency of the State of Texas, may not award a contract to a nonresident bidder unless the nonresident's bid is lower than the lowest bid submitted by a responsible Texas resident bidder by the same amount that a Texas resident bidder would be required to underbid a nonresident bidder to obtain a comparable contract in the state in which the nonresident's principal place of business is located (Government Code, Title 10, V.T.C.A., Chapter 2252, Subchapter A). 1. Is your principal place of business in the State of Texas? 2. If your principal place of business is not in Texas, in which State is your principal place of business? 3. If your principal place of business is not in Texas, does your state favor resident bidders (bidders in your state) by some dollar increment or percentage? 4. If your state favors resident bidders, state by what dollar amount or percentage.

(Required: Maximum 4000 characters allowed)

1
2 **Debarment Certification**

I certify that neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations. Please initial.

(Required: Maximum 1000 characters allowed)

1
3 **Immigration and Reform Act**

I declare and affirm that my company is in compliance with the Immigration and Reform Act of 1986 and all employees are legally eligible to work in the United States of America. I further understand and acknowledge that any non-compliance with the Immigration and Reform Act of 1986 at any time during the term of this contract will render the contract voidable by Collin County. Please initial.

(Required: Maximum 1000 characters allowed)

1
4 **Disclosure of Certain Relationships**

Chapter 176 of the Texas Local Government Code requires that any vendor considering doing business with a local government entity disclose the vendor's affiliation or business relationship that might cause a conflict of interest with a local government entity. Subchapter 6 of the code requires a vendor to file a conflict of interest questionnaire (CIQ) if a conflict exists. By law this questionnaire must be filed with the records administrator of Collin County no later than the 7th business day after the date the vendor becomes aware of an event that requires the statement to be filed. A vendor commits an offense if the vendor knowingly violates the code. An offense under this section is a misdemeanor. By submitting a response to this request, the vendor represents that it is in compliance with the requirements of Chapter 176 of the Texas Local Government Code. Please send completed forms to the Collin County County Clerk's Office located at 2300 Bloomdale Rd., Suite 2104, McKinney, TX 75071. Please initial.

(Required: Maximum 1000 characters allowed)

1
5**Anti-Collusion Statement**

Bidder certifies that its Bid/Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid/Proposal for the same materials, services, supplies, or equipment and is in all respects fair and without collusion or fraud. No premiums, rebates or gratuities permitted; either with, prior to, or after any delivery of material or provision of services. Any such violation may result in Agreement cancellation, return of materials or discontinuation of services and the possible removal from bidders list. Please initial.

(Required: Maximum 1000 characters allowed)

1
6**Disclosure of Interested Parties**

Section 2252.908 of the Texas Government Code requires a business entity entering into certain contracts with a governmental entity to file with the governmental entity a disclosure of interested parties at the time the business entity submits the signed contract to the governmental entity. Section 2252.908 requires the disclosure form (Form 1295) to be signed by the authorized agent of the contracting business entity, acknowledging that the disclosure is made under oath and under penalty of perjury. Section 2252.908 applies only to a contract that requires an action or vote by the governing body of the governmental entity before the contract may be signed or has a value of at least \$1 million. Section 2252.908 provides definitions of certain terms occurring in the section. Section 2252.908 applies only to a contract entered into on or after January 1, 2016. Please initial.

(Required: Maximum 1000 characters allowed)

1
7**Notification Survey**

In order to better serve our offerors, the Collin County Purchasing Department is conducting the following survey. We appreciate your time and effort expended to submit your bid. Should you have any questions or require more information please call (972) 548-4165. How did you receive notice of this request?

- ☐ Plano Star Courier ☐ Plan Room ☐ Collin County eBid Notification ☐ Collin County Website
☐ Other

(Required: Check only one)

1
8**Cooperative Contract Name**

State the cooperative contract name this quote is offered under. (i.e. TX DIR, TXMAS, TCPN, National IPA, Buyboard, TIPS/TAPS, etc.) If none, answer N/A.

(Required: Maximum 4000 characters allowed)

1
9**Cooperative Contract Number**

State the cooperative contract number this quote is offered under. If none, answer N/A.

(Required: Maximum 4000 characters allowed)

2
0**Cooperative Contract Website**

Please provide the website URL for the cooperative contract this quote is offered under. If none, answer N/A.

(Required: Maximum 1000 characters allowed)

2
1**Bid Bond Acknowledgement**

I understand that accompanying this bid, is a certified check, cashier's check or Bid Bond in the amount of five percent (5%) of the total amount bid. Bidders submitting a bid via Collin County eBid shall upload a Bid Bond at <https://collincountytx.ionwave.net>. Regardless of delivery method, all Bid Bonds shall be received prior to the bid opening time to be considered.

I understand that the original Bid Bond shall be received in the Collin County Purchasing Department no later than close of business on the third working day after the bid opening. **Late receipt of original Bid Bond shall be cause for rejection of bid.** Please initial.

(Required: Maximum 4000 characters allowed)

2
2**Construction Acknowledgement**

Bidder, declares that the only person or parties interested in this bid are those principals named herein, that his/her bid is made without collusion with any other person, firm or corporation, that he/she has carefully examined the Contract Documents including the Advertisement for Bids, Instruction to Bidders, Construction Agreement, Specifications and the Drawings, therein referred to and has carefully examined the locations, conditions and classes of materials for the proposed work, and agrees that he/she will provide all the necessary labor, machinery, tools, equipment, apparatus and other items incidental to construction and will do all the work and furnish all the materials called for in the Contract Documents in the manner prescribed therein. Bidder hereby declares that he/she has visited the site of the Work and has carefully examined the Contract Documents pertaining to the Work covered by the above Bid, and he/she further agrees to commence work within ten (10) consecutive calendar days after date of written Notice to Proceed and to substantially complete the work on which he/she has bid within the number of days specified subject to such extensions of time allowed by Specifications. Bidder certifies that the bid prices contained in this bid have been carefully checked and are submitted as correct and final. The prices have been shown in words and figures for each item listed in this bid and it is understood that in the event of a discrepancy, the words shall govern. Please initial.

(Required: Maximum 1000 characters allowed)

2
3**Addendum No. 1 Acknowledgement**

Please initial to verify your receipt of the addendum.

(Required: Maximum 1000 characters allowed)

Bid Lines

1

Package Header

Base Bid Grand Total

Quantity: 1 UOM: lump sum Total: \$

Item Notes:

Total Material Cost and Total Labor Cost must add up to the Base Bid Grand Total.

- ☐
- No bid
-
- ☐
- Alternate specification
-
- (Attach separate sheet)
-
- ☐
- Additional notes
-
- (Attach separate sheet)

Supplier Notes: **Package Attributes****1. Base Bid Grand Total - Written in Words**

(Required: Maximum 1000 characters allowed)

Package Items**1.1 Total Material Cost Incorporated in Project**

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Item Notes: Total Material Cost and Total Labor Cost must add up to the Base Bid Grand Total.

- ☐
- No bid
-
- ☐
- Additional notes
-
- (Attach separate sheet)

Supplier Notes: **1.2 Total Labor Cost Incorporated in Project**

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Item Notes: Total Material Cost and Total Labor Cost must add up to the Base Bid Grand Total.

- ☐
- No bid
-
- ☐
- Additional notes
-
- (Attach separate sheet)

Supplier Notes:

2

Package Header

Unit Prices

Total: \$

Item Notes: Unit prices for unforeseen conditions only.

Refer to Section 01 27 00.

☐ Additional notes
(Attach separate sheet)

Supplier Notes: _____

Package Items

2.1

State Unit Price (Per Square Foot) for Metal Deck Renovation

(Response required)

Quantity: 1 UOM: square foot Unit Price: \$ Total: \$

Item Notes: Unit price per sq. ft. for renovating existing metal decking.

☐ Additional notes
(Attach separate sheet)

Refer to Section 01 27 00, 1.03, A.

Supplier Notes: _____

2.2

State Unit Price (Per Square Foot) for Metal Deck Replacement

(Response required)

Quantity: 1 UOM: square foot Unit Price: \$ Total: \$

Item Notes: Unit price per sq. ft. for replacing existing metal decking.

☐ Additional notes
(Attach separate sheet)

Refer to Section 01 27 00, 1.03, B.

Supplier Notes: _____

2.3**State Unit Price (Per Lineal Foot) for Replacement of Deteriorated 2 x 4 Wood Nailer***(Response required)*Quantity: 1 UOM: linear foot Unit Price: Total:

Item Notes:

Unit price per lineal foot for replacing deteriorated 2x4 wood nailer including all fastening.

☐ Additional notes
(Attach separate sheet)

Refer to Section 01 27 00, 1.03, C. 1.

Supplier Notes: _____
_____**2.4****State Unit Price (Per Lineal Foot) for Replacement of Deteriorated 2 x 6 Wood Nailer***(Response required)*Quantity: 1 UOM: linear foot Unit Price: Total:

Item Notes:

Unit price per lineal foot for replacing deteriorated 2x6 wood nailer including all fastening.

☐ Additional notes
(Attach separate sheet)

Refer to Section 01 27 00, 1.03, C. 2.

Supplier Notes: _____

2.5**State Unit Price (Per Lineal Foot) for Replacement of Deteriorated 2 x 8 Wood Nailer***(Response required)*Quantity: 1 UOM: linear foot Unit Price: Total:

Item Notes:

Unit price per lineal foot for replacing deteriorated 2x8 wood nailer including all fastening.

☐ Additional notes
(Attach separate sheet)

Refer to Section 01 27 00, 1.03, C. 3.

Supplier Notes: _____
_____**2.6****State Unit Price (Per Lineal Foot) for Replacement of Deteriorated 2 x 10 Wood Nailer***(Response required)*Quantity: 1 UOM: linear foot Unit Price: Total:

Item Notes:

Unit price per lineal foot for replacing deteriorated 2x10 wood nailer including all fastening.

☐ Additional notes
(Attach separate sheet)

Refer to Section 01 27 00, 1.03, C. 4.

Supplier Notes: _____

Supplier Information

Company Name:

Contact Name:

Address:

Phone:

Fax:

Email:

Supplier Notes

The undersigned hereby certifies the foregoing bid submitted by the company listed below hereinafter called "bidder" is the duly authorized agent of said company and the person signing said bid has been duly authorized to execute same. Bidder affirms that they are duly authorized to execute this contract; this company; corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder or other person or persons engaged in the same line of business; and that the contents of this bid as to prices, terms and conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this bid.

Print Name

Signature