



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. 2020-346

INVITATION FOR BID

FOR

CONSTRUCTION, COLLIN COUNTY SHERIFF'S OFFICE
COMPUTER ROOM AIR CONDITIONING REPLACEMENT

DATE: OCTOBER 1, 2020

NOTICE TO ALL PROSPECTIVE BIDDERS:

PLEASE MAKE THE FOLLOWING CHANGES TO THE INVITATION FOR BID:

ADD DOCUMENT: PRE-BID ATTENDEE LIST

DELETE DOCUMENT: SHEET MP0.0
REPLACE WITH: SHEET MP0.0 ADDENDUM #1

DELETE DOCUMENT: SHEET ME0.1
REPLACE WITH: SHEET ME0.1 ADDENDUM #1

DELETE DOCUMENT: SHEET ME2.1
REPLACE WITH: SHEET ME2.1 ADDENDUM #1

DELETE DOCUMENT: SHEET ME2.2
REPLACE WITH: SHEET ME2.2 ADDENDUM #1

ADD ATTRIBUTE: #24-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,
MICHELLE CHARNOSKI, CPPB
PURCHASING AGENT

JDG



IFB# 2020-346 MANDATORY PRE-BID CONFERENCE ATTENDEE LIST

Project:	Construction, Collin County Sheriff's Office Computer Room Air Conditioning Replacement	Meeting Date:	September 29, 2020 at 9:00 AM
Facilitator:	J. D. Griffin	Place/Room:	Sheriff's Office Lobby

Company/Entity	Name
Mart, Inc.	Pamela Marley
Mart, Inc.	Eddie Ortuno
Berger Engineering Co.	Lamar Avery
Berger Engineering Co.	David Matthews
Collin County	David Dooley
Collin County	J.D. Griffin
Collin County	Chris Havey



IFB# 2020-346 MANDATORY PRE-BID CONFERENCE ATTENDEE LIST

Project:	Construction, Collin County Sheriff's Office Computer Room Air Conditioning Replacement	Meeting Date:	September 29, 2020 at 10:30 AM
Facilitator:	J. D. Griffin	Place/Room:	Sheriff's Office Lobby

Company/Entity	Name
Denali CS	Craig Harbour
Denali CS	Chris Temple
Chrome Heating, Air, Plumbing	Aaron Williams
Chrome Heating, Air, Plumbing	Michael Olaleye
DMI Corp./Decker Mechanical	Kent Piety
Concord Commercial Services, Inc.	Gabriel Fortich
Collin County	David Dooley
Collin County	J.D. Griffin
Collin County	Chris Havey



IFB# 2020-346 MANDATORY PRE-BID CONFERENCE ATTENDEE LIST

Project:	Construction, Collin County Sheriff's Office Computer Room Air Conditioning Replacement	Meeting Date:	September 29, 2020 at 1:30 PM
Facilitator:	J. D. Griffin	Place/Room:	Sheriff's Office Lobby

Company/Entity	Name
Acumen Enterprises, Inc.	Shance Jackson
Acumen Enterprises, Inc.	Roger Oaks
Infinity Contractors	Frank Berinti
Weldon Contractors	Erin Carreno
Weldon Contractors	David Rangel
Collin County	David Dooley
Collin County	J.D. Griffin
Collin County	Chris Havey

DX COMPUTER ROOM AC UNIT SCHEDULE

DESIG	CONDENSING UNIT	SERVES	TYPE	NOMINAL TONNAGE	TOTAL CAP. BTUH	SENSIBLE CAP. BTUH	CFM	E. S. P.	ENTERING AIR DB / WB / %RH	ELECTRIC REHEAT KW	ELECTRICAL				MFG	MODEL NUMBER	WEIGHT (LBS)	NOTES
											V/PH	FAN KW	MCA	MOCP				
UNIT-1	CU-1	EQUIP. ROOM	DOWNFLOW / DX	5	60	54	2,900	0.20	75 / 61 / 44.6	12	480/3	0.75	35.6	40	LIEBERT	PX018DA	670	1-12
UNIT-2	CU-2	EQUIP. ROOM	DOWNFLOW / DX	6	73	64	3,500	0.20	75 / 61 / 44.6	12	480/3	1.31	39.6	50	LIEBERT	PX023DA	670	1-12
UNIT-3	CU-3	EQUIP. ROOM	DOWNFLOW / DX	5	60	54	2,900	0.20	75 / 61 / 44.6	12	480/3	0.75	35.6	40	LIEBERT	PX018DA	670	1-12

- NOTES:
- DOWNFLOW CONFIGURATION.
 - DUAL SHUTDOWN CONTACTS
 - INCLUDE SMOKE DETECTOR DISCHARGE AIR TEMPERATURE SENSOR.
 - LON COMMUNICATION CARD.
 - THRU-DOOR DISC SWITCH (TO 80 FLA)
 - HIGH EFFICIENCY MOTOR.

- LIQUID LINE SOLENOID VALVES - DUAL CIRCUIT.
- UNIT MOUNTED CONDENSATE PUMP
- FLOORSTAND WITH TURNING VANE.
- VIBRATION ISOLATION PADS
- REFRIGERANT R410A
- FRONT-ONLY MAINTENANCE ACCESS.

CRAC OUTDOOR CONDENSING UNIT SCHEDULE

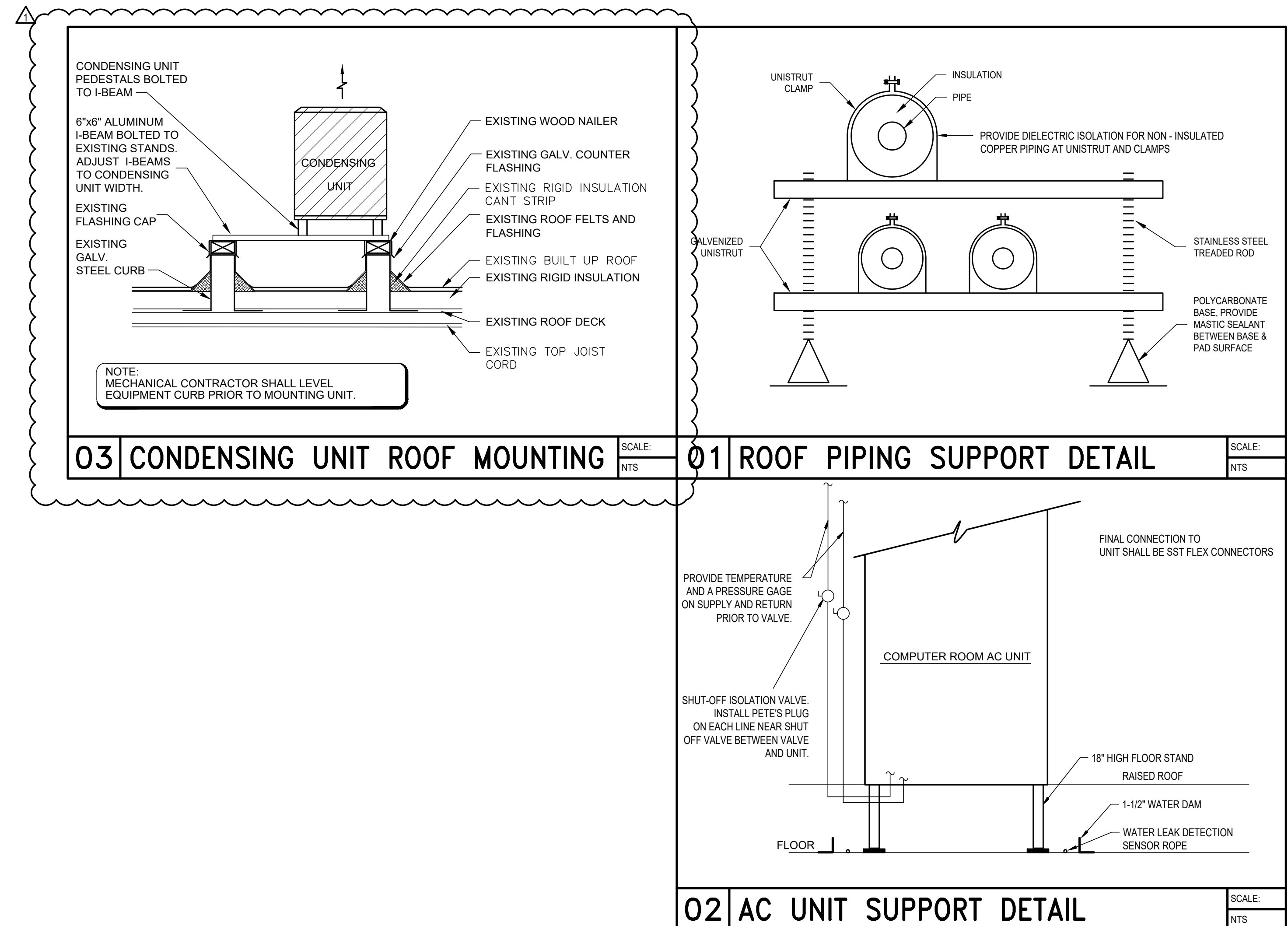
DESIG	NOMINAL TONNAGE	COOLING CAP. BTUH	REF. TYPE	OUTDOOR DB	ELECTRICAL			MFG	MODEL NUMBER	WEIGHT (LBS)	NOTES
					V/PH	MCA	MAX FUSE				
CU-1	5	60	R410A	105°F	460/3	1.9	15.0	LIEBERT	MCM040	231	1-3
CU-2	6	60	R410A	105°F	460/3	1.9	15.0	LIEBERT	MCM040	231	1-3
CU-3	5	60	R410A	105°F	460/3	1.9	15.0	LIEBERT	MCM040	231	1-3

- NOTES:
- MOUNT CONDENSING UNIT ON LONGITUDINAL FRAME IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE UNIT MOUNTED DISCONNECT.
 - UNIT SHALL HAVE DUAL CIRCUITS

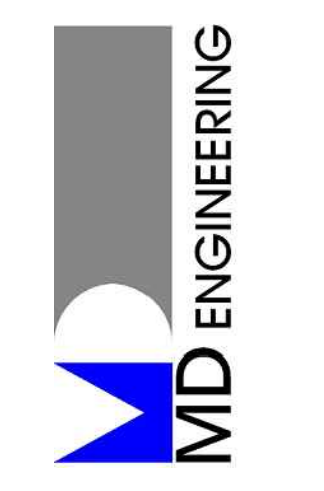
POWER TO MECHANICAL EQUIPMENT

ITEM	KW	MCA	MFS	VOLTS/PH	CIRCUIT	C/B	WIRE & CONDUIT	REQUIRED MIN. SCRR	DISC. SW.	NOTES
CU-1	1.9	15	480/3	15/3	EXIST. CKT. 2EH-28/30/32	3/4"	3#12, 1#12G, 3/4" C	1650 Amps	30/15/3/NEMA 3R	1, 2, 3, 4
CU-2	1.9	15	480/3	15/3	EXIST. CKT. ELEH-25/27/29	3/4"	3#12, 1#12G, 3/4" C	1650 Amps	30/15/3/NEMA 3R	1, 2, 3, 4
CU-3	1.9	15	480/3	15/3	EXIST. CKT. LEH-38/40/42	3/4"	3#12, 1#12G, 3/4" C	1650 Amps	30/15/3/NEMA 3R	1, 2, 3, 4
UNIT-1	35.6	40	480/3	40/3	EXIST. CKT. 2EH-27/29/31	1"	3#8, 1#10G, 1" C	2850 Amps	60/40/3/NEMA 1	1, 2, 3, 4
UNIT-2	39.6	50	480/3	50/3	NOTE 5 EXIST. ELEH-26/28/30	1"	3#8, 1#10G, 1" C	2850 Amps	60/50/3/NEMA 1	1, 2, 3, 4
UNIT-3	35.6	40	480/3	40/3	EXIST. CKT. LEH-37/39/41	1"	3#8, 1#10G, 1" C	2850 Amps	60/40/3/NEMA 1	1, 2, 3, 4

- Panel "2EH" is located in the Penthouse on the roof.
 Panels "ELEH" and "LEH" are located in the parking garage below.
- NOTES:
- REFER TO MECHANICAL PLANS FOR LOCATIONS OF EQUIPMENT.
 - PROVIDE HACR TYPE BREAKERS FOR ALL HVAC EQUIPMENT IN SCHEDULE.
 - FUSES SHALL BE CLASS RK1.
 - COMPARE ABOVE DATA TO EQUIPMENT NAMEPLATES. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - REPLACE EXISTING BRANCH CIRCUIT AND BREAKER. EXISTING CONDUIT, WIRE AND BREAKER ARE UNDERSIZED. FIELD VERIFY PANEL LOCATION AND CIRCUIT ROUTE.



Texas Registered Firm No. F-7489
 1255 West 15th Street, Suite 300
 Irving, TX 75039-4670
 Phone: 972.467.0000
 Fax: 972.467.0000
 Email: info@mdeng.com
 Project Number: 201238



CC CRAC REPL
 4300 COMMUNITY AVE.
 MCKINNEY, TEXAS 75071

Revisions:

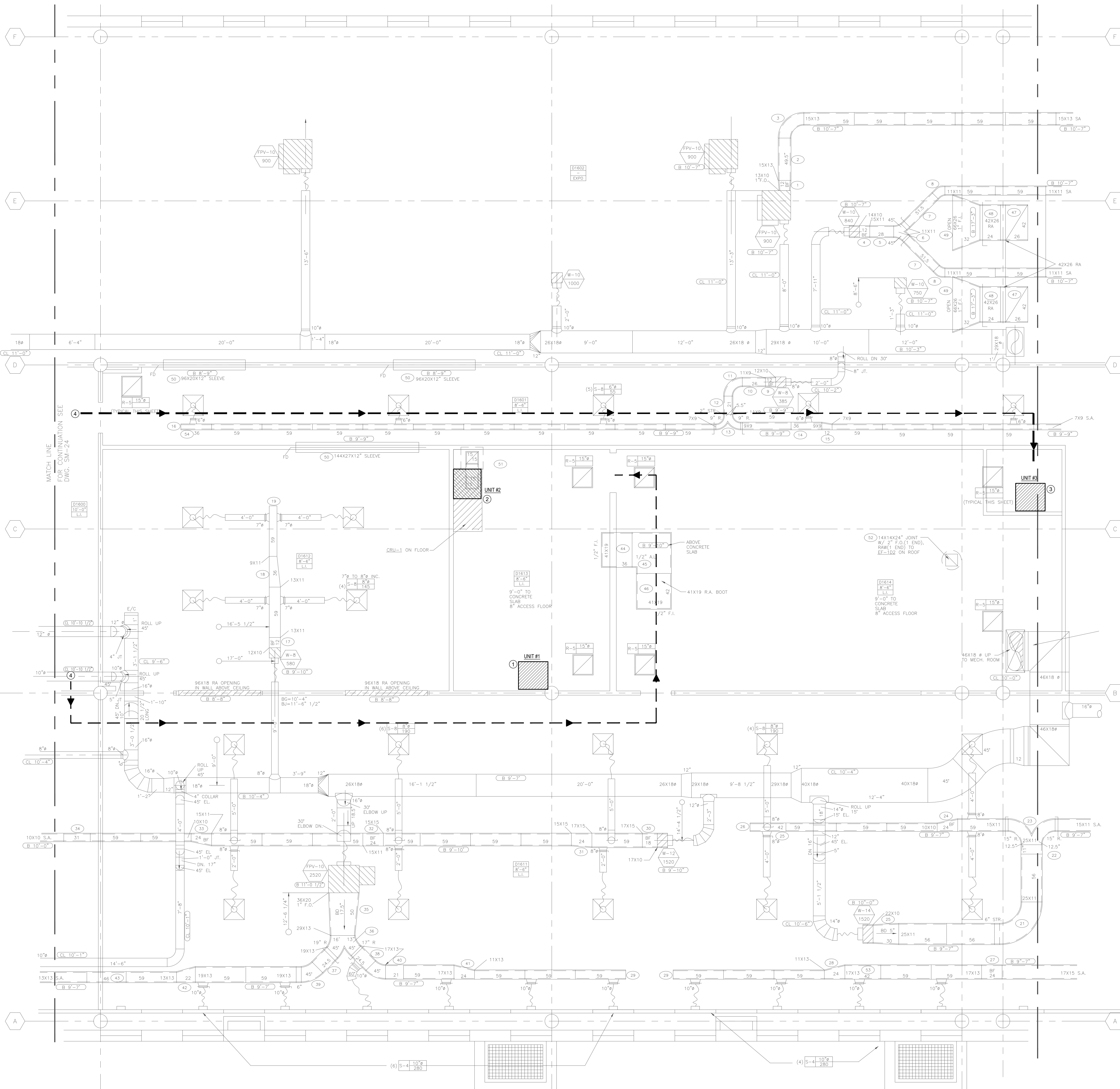
DATE	DESCRIPTION
08.21.2020	CONSTRUCTION DOCUMENTS
10.01.2020	ADDENDUM #1



SCHEDULES /
 DETAILS -
 MECH / ELEC

Project No.
201238

Sheet No.
ME0.1



GENERAL NOTES

- THE CONTRACTOR SHALL VISIT THE PREMISES TO THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF THE WORK, WORKING CONDITIONS, AND VERIFY ALL DIMENSIONS IN THE FIELD. ALSO, THE CONTRACTOR SHALL ADVISE THE ARCHITECT, ENGINEER AND OWNER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.
- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS AS DICTATED BY THE AUTHORITY HAVING JURISDICTION. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, THE CONTRACTOR SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECT. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF NATIONAL, STATE, LOCAL CODES, AND STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL LON COMPATIBLE CONTROLS / LON INSTALLED CARDS THAT WILL COMPLETELY ACCOMPLISH THE IMPLIED OR INTENDED FUNCTIONS OF THE CONTROL SYSTEM AS SHOWN ON PLANS OR INDICATED IN THE SPECIFICATIONS.
- CONNECTIONS TO AND SHUTDOWNS ON EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.
- ALL EXISTING SYSTEMS EQUIPMENT AND MATERIALS WITHIN REMODEL AREA OF BUILDING, EXCEPT WHERE NOTED ON MEP DOCUMENTS TO CHANGE, SHALL BE LEFT INTACT AND OPERATIONAL.
- CONTRACTOR SHALL DISPOSE OF EQUIPMENT INDICATED TO BE REMOVED.
- AN INDEPENDENT ABC CERTIFIED BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED FOR THE PROJECT BY THE OWNER.
- NEW ROOFTOP EQUIPMENT SHALL BE INSTALLED ON TOP OF ORIGINAL EQUIPMENT CURBS. A MINIMUM OF TEN BUSINESS DAYS PRIOR TO PLACING EQUIPMENT ORDER, CONTRACTOR SHALL ADVISE OWNER AND ENGINEER WHERE ROOF CURBS ARE NOT ADEQUATE FOR THE NEW EQUIPMENT OR WHERE ADDITIONAL PENETRATIONS THROUGH OR NEAR THE CURB(S) ARE REQUIRED FOR A COMPLETE INSTALLATION.
- ALL EXISTING SYSTEM INFORMATION AND/OR LOCATIONS ARE PROVIDED BY THE OWNER OR BY A 3RD PARTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL MEP SERVICES ARE LOCATED AS DESIGNED BEFORE BIDDING THE PROJECT. IN OCCURRENCE WHERE EXISTING DOES NOT MATCH DESIGN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER, ARCHITECT, AND ENGINEER BEFORE PROCEEDING. IF ANY DISCREPANCIES ARE NOT IDENTIFIED AT BIDDING, THE COST SHALL BE ABSORBED BY THE CONTRACTOR AND NOT PASSED ONTO THE OWNER OF ENGINEER OF RECORD.
- CONTRACTOR SHALL VERIFY THE EQUIPMENT CLEARANCE REQUIREMENTS WITH THE MANUFACTURER'S RECOMMENDATIONS. EXACT LOCATION OF SELECTED EQUIPMENT SHALL BE COORDINATED WITH THE STRUCTURE TO PROVIDE RECOMMENDED CLEARANCES FOR MAINTENANCE.
- SEE SHEETS E01 AND MP01 FOR NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
- REFER TO DIVISION 22, 23, 26, 28 BOOK SPECIFICATIONS FOR PLUMBING, HVAC, AND ELECTRICAL SPECIFICATIONS.
- CONTRACT DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL MECHANICAL MATERIAL PER SMACNA STANDARDS.
- COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT OR DUCTWORK.
- CONTRACTOR TO REPAIR, PATCH, PAINT ANY DRYWALL AND TILES ALTERED DURING EQUIPMENT REPLACEMENT.

EQUIPMENT REPLACEMENT MECHANICAL GENERAL NOTES

- CRAC/CO:
 - BLOW DOWN AND CLEAN ANY STRAINER WITHIN THE CONDENSATE PIPING SYSTEM.
 - CLEAN AND TREAT CONDENSATE DRAIN LINES WITH ANTI-ALGAE AGENT PRIOR TO TURNING OVER TO OWNER. VERIFY THAT ALL TERMINATION POINTS ARE CLEAN AND FREE OF OBSTRUCTIONS.
 - REPLACE ANY AIR FILTERS ASSOCIATED WITH UNITS THAT ARE DAMAGED PRIOR TO TURNING OVER TO OWNER. PROVIDE OWNER WITH A SECOND SET OF REPLACEMENT FILTERS.
 - VERIFY THAT ALL ASSOCIATED CONTROLS (I.E. ROOM TSTATS, DAMPERS, LINKAGE, ACTUATORS, RELAYS, TRANSDUCERS, LOW VOLTAGE WIRING, ETC.) ARE NOT DAMAGED AND ARE IN GOOD WORKING CONDITION. THE CONTRACTOR SHALL REPAIR ANY DEFICIENCIES.
 - INSPECT AND REPAIR ANY DAMAGED CONDENSATE OR PIPING/ INSULATION. VERIFY ALL EXISTING PIPING IS PROPERLY SUPPORTED.
 - SEAL ANY GAPS IN DUCT TO UNIT CONNECTIONS.
 - PATCH OR REPLACE ANY DAMAGED PLENUM INSULATION.
 - REPLACE ALL EXISTING CURB SEALS WITH NEW SEALS.
 - INSPECT AND SERVICE ALL SMOKE ALARM EQUIPMENT. REPLACE ANY DAMAGED EQUIPMENT OR SENSORS.

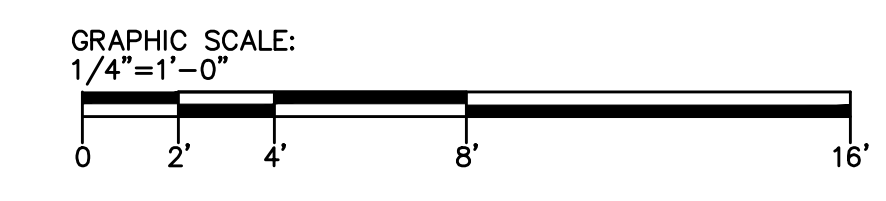
EQUIPMENT REPLACEMENT ELECTRICAL GENERAL NOTES

- DISCONNECT POWER TO EQUIPMENT SCHEDULED FOR DEMOLITION. MAKE PROVISIONS TO RE-USE CIRCUIT FOR CONNECTION TO REPLACEMENT EQUIPMENT.
- INSTALL AND CONNECT ROOF RECEPTACLE. COORDINATE ROOF PENETRATION WITH ARCHITECT.
- COMPARE NAMEPLATE OF NEW EQUIPMENT WITH EXISTING CONDUCTORS AND BREAKER, PRIOR TO CONNECTION OF EQUIPMENT.
- SUGGESTED ROUTING FOR EQUIPMENT ENTRY/EXIT.

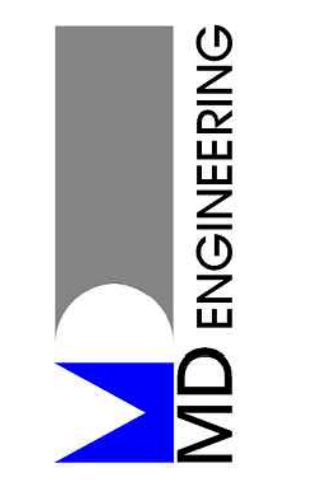
NOTES BY SYMBOL "O"

- DISCONNECT PIPING/DUCTWORK TO UNIT #1 TO BE REPLACED. MAKE PROVISIONS TO RE-USE EXISTING PIPING/DUCTWORK FOR CONNECTIONS TO REPLACEMENT EQUIPMENT. EXISTING UNIT IS APPROXIMATELY 32.5" W x 32.5" D x 75.5" H. NEW UNIT IS 34.5" W x 32.5" D x 77.6" H. PROVIDE NEW STAND AS REQUIRED.
- DISCONNECT PIPING/DUCTWORK TO UNIT #2 TO BE REPLACED. MAKE PROVISIONS TO RE-USE EXISTING PIPING/DUCTWORK FOR CONNECTIONS TO REPLACEMENT EQUIPMENT. EXISTING UNIT IS APPROXIMATELY 74.5" W x 33" D x 71" H. NEW UNIT IS 74.5" W x 32.5" D x 74.5" H. PROVIDE FRAME UNDERNEATH PREVIOUS UNIT LOCATION EXTENDING PAST NEW UNIT STAND FOR NEW CARPET SQUARE INSTALLATION. CARPET SQUARES TO BE PROVIDED BY COLLIN COUNTY.
- DISCONNECT PIPING/DUCTWORK TO UNIT #3 TO BE REPLACED. MAKE PROVISIONS TO RE-USE EXISTING PIPING/DUCTWORK FOR CONNECTIONS TO REPLACEMENT EQUIPMENT. EXISTING UNIT IS APPROXIMATELY 33" W x 33" D x 76" H. NEW UNIT IS 34.5" W x 32.5" D x 77.6" H. PROVIDE NEW STAND AS REQUIRED.

01 FIRST FLOOR PLAN - MECH / ELEC
SCALE: 1/4"=1'-0"



Texas Registered Firm No. F-7489
1255 West 15th Street, Suite 300
Irving, TX 75039
Phone: 972.467.0200
Fax: 972.467.0200
Email: mdc@mdeng.com
Project Number: 201238



CC CRAC REPL
4300 COMMUNITY AVE.
MCKINNEY, TEXAS 75071

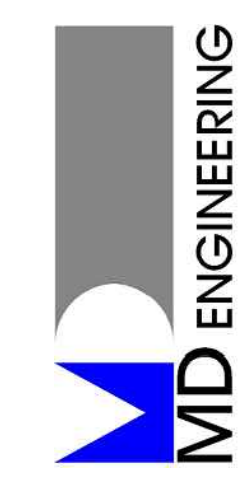
Revisions:	DATE	DESCRIPTION
08.21.2020	CONSTRUCTION DOCUMENTS	
10.01.2020	ADDENDUM #1	



FIRST FLOOR
PLAN -
MECH / ELEC

Project No.
201238

Sheet No.
ME2.1



CC CRAC REPL
 4300 COMMUNITY AVE.
 MCKINNEY, TEXAS 75071

Revisions:	DATE	DESCRIPTION
	08.21.2020	CONSTRUCTION DOCUMENTS
	10.01.2020	ADDENDUM #1



ROOF PLAN - MECH / ELEC

Project No.
201238

Sheet No.
ME2.2

GENERAL NOTES

- THE CONTRACTOR SHALL VISIT THE PREMISES TO THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF THE WORK, WORKING CONDITIONS, AND VERIFY ALL DIMENSIONS IN THE FIELD. ALSO, THE CONTRACTOR SHALL ADVISE THE ARCHITECT, ENGINEER AND OWNER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.
- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS AS DICTATED BY THE AUTHORITY HAVING JURISDICTION. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, THE CONTRACTOR SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECT. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF NATIONAL, STATE, LOCAL CODES, AND STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONTROLS THAT WILL COMPLETELY ACCOMPLISH THE IMPLIED OR INTENDED FUNCTIONS OF THE CONTROL SYSTEM AS SHOWN ON PLANS OR INDICATED IN THE SPECIFICATIONS.
- CONNECTIONS TO AND SHUTDOWNS ON EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.
- ALL EXISTING SYSTEMS EQUIPMENT AND MATERIALS WITHIN REMODEL AREA OF BUILDING, EXCEPT WHERE NOTED ON MEP DOCUMENTS TO CHANGE, SHALL BE LEFT INTACT AND OPERATIONAL.
- CONTRACTOR SHALL DISPOSE OF EQUIPMENT INDICATED TO BE REMOVED.
- AN INDEPENDENT AABC CERTIFIED BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN DEMOLITION/NEW CONSTRUCTION BOUNDARIES AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THE PROJECT.
- NEW ROOFTOP EQUIPMENT SHALL BE INSTALLED ON TOP OF ORIGINAL EQUIPMENT CURBS. A MINIMUM OF TEN BUSINESS DAYS PRIOR TO PLACING EQUIPMENT ORDER, CONTRACTOR SHALL ADVISE OWNER AND ENGINEER WHERE ROOF CURBS ARE NOT ADEQUATE FOR THE NEW EQUIPMENT OR WHERE ADDITIONAL PENETRATIONS THROUGH OR NEAR THE CURB(S) ARE REQUIRED FOR A COMPLETE INSTALLATION.
- ALL EXISTING SYSTEM INFORMATION AND/OR LOCATIONS ARE PROVIDED BY THE OWNER OR BY A 3RD PARTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL MEP SERVICES ARE LOCATED AS DESIGNED BEFORE BIDDING THE PROJECT. IN OCCURRENCES WHERE EXISTING DOES NOT MATCH DESIGN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER, ARCHITECT, AND ENGINEER BEFORE PROCEEDING. IF ANY DISCREPANCIES ARE NOT IDENTIFIED AT BIDDING, THE COST SHALL BE ABSORBED BY THE CONTRACTOR AND NOT PASSED ONTO THE OWNER OF ENGINEER OF RECORD.
- CONTRACTOR SHALL VERIFY THE EQUIPMENT CLEARANCE REQUIREMENTS WITH THE MANUFACTURERS RECOMMENDATIONS. EXACT LOCATION OF SELECTED EQUIPMENT SHALL BE COORDINATED WITH THE STRUCTURE TO PROVIDE RECOMMENDED CLEARANCES FOR MAINTENANCE.
- SEE SHEETS E0.0 AND MP0.0 FOR NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
- REFER TO DIVISION 22, 23, 26, 28 BOOK SPECIFICATIONS FOR PLUMBING, HVAC, AND ELECTRICAL SPECIFICATIONS.
- CONTRACT DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL MECHANICAL MATERIAL PER SMACNA STANDARDS.
- COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT OR DUCTWORK.
- LAWN TO BE PROTECTED WHILE UNITS ARE CRANED ON THE ROOF. ACCESS ROOFTOP THROUGH LAWN AT WEST SIDE OF BUILDING WHEN PICKING/PLACING NEW ROOFTOP UNITS. LAY DOWN PLYWOOD OR OTHER FORM OF RUT PROTECTION FROM EQUIPMENT. PLACE NEW SOD IN THE EVENT EXISTING GRASS IS DAMAGED.

EQUIPMENT REPLACEMENT MECHANICAL GENERAL NOTES

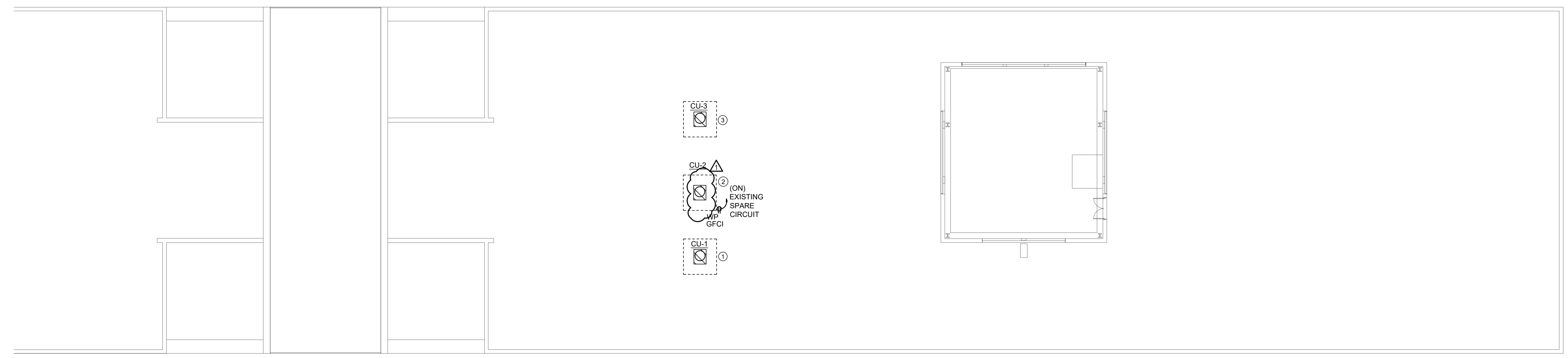
- CRAC/CU:
 - BLOW DOWN AND CLEAN ANY STRAINER WITHIN THE CONDENSATE PIPING SYSTEM.
 - CLEAN AND TREAT CONDENSATE DRAIN LINES WITH ANTI-ALGAE AGENT PRIOR TO TURNING OVER TO OWNER. VERIFY THAT ALL TERMINATION POINTS ARE CLEAN AND FREE OF OBSTRUCTIONS.
 - REPLACE ANY AIR FILTERS ASSOCIATED WITH UNITS THAT ARE DAMAGED PRIOR TO TURNING OVER TO OWNER. PROVIDE OWNER WITH A SECOND SET OF REPLACEMENT FILTERS.
 - VERIFY THAT ALL ASSOCIATED CONTROLS (I.E. ROOM TSTATS, DAMPERS, LINKAGE, ACTUATORS, RELAYS, TRANSDUCERS, LOW VOLTAGE WIRING, ETC.) ARE NOT DAMAGED AND ARE IN GOOD WORKING CONDITION. THE CONTRACTOR SHALL REPAIR ANY DEFICIENCIES.
 - INSPECT AND REPAIR ANY DAMAGED CONDENSATE OR PIPING/INSULATION. VERIFY ALL EXISTING PIPING IS PROPERLY SUPPORTED.
 - SEAL ANY GAPS IN DUCT TO UNIT CONNECTIONS.
 - PATCH OR REPLACE ANY DAMAGED PLENUM INSULATION.
 - REPLACE ALL EXISTING CURB SEALS WITH NEW SEALS.
 - INSPECT AND SERVICE ALL SMOKE ALARM EQUIPMENT. REPLACE ANY DAMAGED EQUIPMENT OR SENSORS.

EQUIPMENT REPLACEMENT ELECTRICAL GENERAL NOTES

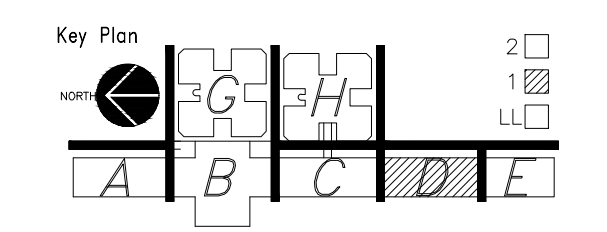
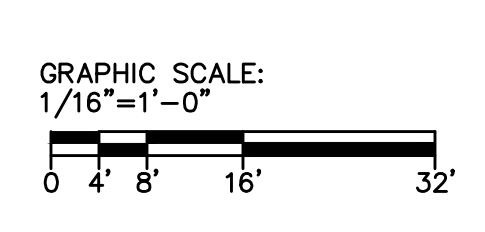
- DISCONNECT POWER TO EQUIPMENT SCHEDULED FOR DEMOLITION. MAKE PROVISIONS TO RE-USE CIRCUIT FOR CONNECTION TO REPLACEMENT EQUIPMENT.
- INSTALL AND CONNECT ROOF RECEPTACLE. COORDINATE ROOF PENETRATION WITH ARCHITECT.
- COMPARE NAMEPLATE OF NEW EQUIPMENT WITH EXISTING CONDUCTORS AND BREAKER, PRIOR TO CONNECTION OF EQUIPMENT.

NOTES BY SYMBOL "○"

- DISCONNECT PIPING TO CU-1 TO BE REPLACED. MAKE PROVISIONS TO RE-USE EXISTING PIPING FOR CONNECTIONS TO REPLACEMENT EQUIPMENT. (REFER TO 3ME0.1)
- DISCONNECT PIPING TO CU-2 TO BE REPLACED. MAKE PROVISIONS TO RE-USE EXISTING PIPING FOR CONNECTIONS TO REPLACEMENT EQUIPMENT. NEW CU DIMENSIONS ARE SMALLER THAN CURRENT UNIT. CONTRACTOR SHALL PROVIDE SUPPORT FROM EXISTING RAILS. (REFER TO 3ME0.1)
- DISCONNECT PIPING TO CU-3 TO BE REPLACED. MAKE PROVISIONS TO RE-USE EXISTING PIPING FOR CONNECTIONS TO REPLACEMENT EQUIPMENT. (REFER TO 3ME0.1)
- PROVIDE NAMEPLATE LABEL FOR EACH UNIT "CU-1", "CU-2", "CU-3".



01 ROOF PLAN - MECH / ELEC
 SCALE: 1/16"=1'-0"



Section 004100 Bid Form Addendum 1



Collin County Purchasing

2020-346 Addendum 1

Construction, Collin County Sheriff's Office Computer Room Air Conditioning Replacement

Issue Date: 9/15/2020

Questions Deadline: 10/1/2020 03:00 PM (CT)

Response Deadline: 10/8/2020 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: 2020-346 Addendum 1
Title: Construction, Collin County Sheriff's Office Computer Room Air Conditioning Replacement
Type: Invitation for Bid - Construction
Issue Date: 9/15/2020
Question Deadline: 10/1/2020 03:00 PM (CT)
Response Deadline: 10/8/2020 02:00 PM (CT)
Notes: Please log in to view bid documents.

Ship To Information

Address: Sheriff's Office
4300 Community Ave.
MCKINNEY, TX 75071

Billing Information

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

Bid Activities

Mandatory Pre-Bid Conference (RSVP Required)

9/29/2020

A MANDATORY PRE-BID CONFERENCE will be held by Collin County at the Collin County Sheriff's Office Lobby, 4300 Community Ave., McKinney, TX 75071 on Tuesday, September 29, 2020 in order for bidders to ask questions regarding the proposed work. All bidders desiring to bid the work should have a representative at the pre-bid conference; bidders that do not attend the pre-bid conference shall not be considered in the evaluation for award of a contract per Texas Local Government Code 262.0256. Attendance shall be mandatory at the pre-bid conference. It is the bidder's responsibility to review the site and documents to gain a full understanding of the requirements of the bid. Due to the current COVID-19 social distancing recommendations, a limit of six (6) attendees will be allowed during each session in addition to three (3) County representatives. Each contractor attending shall be limited to two (2) participants. All participants will be required to provide and wear a face mask that covers the mouth and nose, have temperature checked and complete a Covid-19 screening questionnaire upon arrival. The first conference session will begin at 9:00 AM followed by sessions at 10:30 AM, 1:30 PM and 3:00 PM (as needed). Bidders interested in attending the pre-bid conference shall RSVP to jgriffin@co.collin.tx.us with "2020-346, Collin County Sheriff's Office Computer Room Air Conditioning Replacement" in the subject line, no later than Friday, September 25, 2020 at 2:00 PM. RSVP response shall include company name, name of individuals that will be attending (maximum of 2) and the preferred session time. Attendees for each session will be scheduled in the order they are received.

Bid Attachments

Addendum 1_2020-346.doc

Addendum 1

[View Online](#)

LEGAL NOTICE-2020-346.doc

Legal Notice

[Download](#)

CRAC Unit Replacment Combined Specifications.pdf

Specifications

[View Online](#)

CRAC Unit Replacement Drawings.pdf

Drawings

[View Online](#)

Pre-Bid Attendee List.pdf

Pre-Bid Attendee List

[View Online](#)

MP0.0_Addendum 1.pdf

Sheet MP0.0 Addendum 1

[View Online](#)

ME0.1_Addendum 1.pdf

Sheet ME0.1 Addendum 1

[View Online](#)

ME2.1_Addendum 1.pdf

Sheet ME2.1 Addendum 1

[View Online](#)

ME2.2_Addendum 1.pdf

Sheet ME2.2 Addendum 1

[View Online](#)

Requested Attachments

Conflict of Interest Questionnaire

W-9

(Attachment required)

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 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://collincountytx.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.

Bid Attributes

1 Solicitation Submittals

In an effort to avoid person-to-person interaction to comply with the latest Order issued to prevent the spread of COVID-19, Collin County Purchasing will temporarily only accept IFB, RFP, RFQ and Quote submittals electronically in Ionwave (eBid) or via parcel carrier until further notice. Please do not deliver your solicitation response in person. All bid openings will be completed on schedule and witnessed by Collin County Purchasing staff to ensure all procurement statutes, policies and state laws are followed. Please initial.

(Required: Maximum 1000 characters allowed)

2 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)

3 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)

4 Calendar Days Bid

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

(Required: Numbers only)

5 Exceptions

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

Yes No
(Required: Check only one)

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 Insurance Acknowledgement – Construction/Public Works

I understand that the insurance requirements of this solicitation are required and are included in the submitted pricing. The Contractor shall furnish certificates of insurance for both the Contractor and any subcontractor to the Purchasing department if awarded all or a portion of the resulting contract. Please initial.

(Required: Maximum 1000 characters allowed)

8 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)

9 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)

10 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)

11 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
2 **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
3 **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
4 **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
5 **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
6 **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
7 **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
8 **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
9 **Cooperative Contract Name**

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

(Required: Maximum 4000 characters allowed)

20 Cooperative Contract Number

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

(Required: Maximum 4000 characters allowed)

21 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)

22 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)

23 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
4

Addendum No. 1 Acknowledgement

Please initial to verify your receipt of the addendum.

(Required: Maximum 1000 characters allowed)

Bid Lines

1 Package Header

Bid Grand Total

Quantity: 1 UOM: lump sum Total: \$

Item Notes: Total Material Cost (Line 1.1) and Total Labor Cost (Line 1.2) must add up to the Bid Grand Total.

Supplier Notes: _____

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

Package Attributes

1. Bid Grand Total- Written in Words

The contract award will be based on the total bid price.

(Required: Maximum 4000 characters allowed)

Package Items

1.1 Total Materials Cost Incorporated in Project

(Response required)

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

Supplier Notes: _____

- No bid
- Additional notes
(Attach separate sheet)

1.2 Total Labor Cost Incorporated in Project

(Response required)

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

Supplier Notes: _____

- No bid
- Additional notes
(Attach separate sheet)

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
