



1126 South Commerce St.  
Harlingen, TX 78550  
Off: (956) 230-3435  
Fax: (956) 720-0830  
[www.ethoseng.net](http://www.ethoseng.net)



February 5, 2024  
IDEA Donna Mechanical Upgrades

## ADDENDUM NO. 2

### A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans for the project referenced above. This addendum shall become part of the contract and all contractors shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same. The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

### B. SCOPE

#### I. Clarifications

1. See attached pre-bid sign-in sheet.
2. See attached plan holder list.

#### II. Specifications

1. Section 236423 - SCROLL WATER CHILLERS: In lieu of pump motor VFDs, provide factory installed motor starters.
2. Section 238113.11 - Packaged Terminal Air-Conditioners- Through-Wall Units: Provide hot gas reheat coils and related dehumidification controls package option.

#### III. Drawings

1. Sheet ME4.01:
  - a) Revised Wall Mounted AC Unit Schedule. See attached sheet.
  - b) Revised Air Cooled Chiller Schedule. See attached sheet.
  - c) Revised Equipment Connection Schedule. See attached sheet.



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**IDEA Public Schools IDEA Donna Mechanical Upgrades RFP# 21-DCTX-0224**  
**10:00 AM Tuesday, January 30, 2024**  
**PRE-BID SIGN IN SHEET**

<u>NAME</u> <u>EMAIL</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>FAX</u>
Cesar Gonzalez <a href="mailto:cgonzalez@ethoseng.net">cgonzalez@ethoseng.net</a>	Ethos Engineering	956-230-3435	956-720-0830
Gerardo Juarez <a href="mailto:gerardo@ethoseng.net">gerardo@ethoseng.net</a>	Ethos Engineering	956-230-3435	
Antonio Guevara <a href="mailto:Antonio.guevara@ideapublicschools.org">Antonio.guevara@ideapublicschools.org</a>	IDEA Public Schools	956-272-2360	
Bonnibelle Trejo <a href="mailto:Bonnibelle.trejo@ideapublicschools.org">Bonnibelle.trejo@ideapublicschools.org</a>	IDEA Public Schools		
Elda Pruneda <a href="mailto:Elda.pruneda@ideapublicschools.org">Elda.pruneda@ideapublicschools.org</a>	IDEA Public Schools	956-678-2403	
Brice Chandler <a href="mailto:brice.chandler@carrier.com">brice.chandler@carrier.com</a>	ALC	956-929-0533	
Tony Moncada <a href="mailto:Juan.MONCADAJR@Carrier.com">Juan.MONCADAJR@Carrier.com</a>	Carrier		
Marcos Rios <a href="mailto:Marcos.rios@cahsinc.com">Marcos.rios@cahsinc.com</a>	CAHS	956-428-4509	
Chad Ufland <a href="mailto:c.ufland@cahsinc.com">c.ufland@cahsinc.com</a>	CAHS	956-428-4509	

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Project: IDEA Donna Mechanical Upgrades RFP# 21-DCTX-0224  
 Bid Date: February 8, 2024 @ 3:30PM  
 Bid Conference: January 30, 2024 @10AM via MS Teams

Contractor Name: AGC Planroom Addendum# 1 Date: 1/29/24  
 Address: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 City,State,Zip: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 Phone & Fax#: \_\_\_\_\_  
 Email: sanjuana@rgvagc.org Plan# \_\_\_\_\_  
 Check # \_\_\_\_\_

Contractor Name: Dodge Construction Network Addendum# 1 Date: 1/29/24  
 Address: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 City,State,Zip: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 Phone & Fax#: \_\_\_\_\_  
 Email: milica.yurong@construction.com Plan# \_\_\_\_\_  
 Check # \_\_\_\_\_

Contractor Name: Construct Connect Addendum# 1 Date: 1/29/24  
 Address: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 City,State,Zip: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 Phone & Fax#: \_\_\_\_\_  
 Email: erika.margate@constructconnect.com Plan# \_\_\_\_\_  
 Check # \_\_\_\_\_

Contractor Name: Virtual Builders Addendum# 1 Date: 1/29/24  
 Address: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 City,State,Zip: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 Phone & Fax#: \_\_\_\_\_  
 Email: heidi@virtualbx.com Plan# \_\_\_\_\_  
 Check # \_\_\_\_\_

Contractor Name: Omar Rodriguez Addendum# 1 Date: 1/29/24  
 Address: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 City,State,Zip: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 Phone & Fax#: 956-451-5470  
 Email: omar.1.rodriguez@jci.com Plan# digital via hightail  
 Check # \_\_\_\_\_

Contractor Name: Juan Moncada jR. Addendum# 1 Date: 1/29/24  
 Address: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 City,State,Zip: \_\_\_\_\_ Addendum# \_\_\_\_\_ Date: \_\_\_\_\_  
 Phone & Fax#: \_\_\_\_\_  
 Email: juan.moncadajr@carrier.com Plan# Public Purchase Portal  
 Check # \_\_\_\_\_



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Project:  
 Bid Date:  
 Bid Conference:

Contractor Name:	<u>Trent Hausenfluck</u>	Addendum# <u>1</u>	Date: <u>1/29/24</u>
Address:	_____	Addendum# _____	Date: _____
City,State,Zip:	_____	Addendum# _____	Date: _____
Phone & Fax#:	<u>956-279-5463</u>		
Email:	<u>trent@dandfindustries.com</u>	Plan# <u>digital via hightail</u>	
Check #	_____		
-----			
Contractor Name:	<u>Noe Salinas - Texas Chiller Systems</u>	Addendum# <u>1</u>	Date: <u>1/30/24</u>
Address:	_____	Addendum# _____	Date: _____
City,State,Zip:	_____	Addendum# _____	Date: _____
Phone & Fax#:	<u>956-764-0354</u>		
Email:	<u>noe.salinas@texaschillersystems.com</u>	Plan# <u>AGC</u>	
Check #	_____		
-----			
Contractor Name:	<u>Marcos Rios</u>	Addendum# <u>1</u>	Date: <u>1/30/24</u>
Address:	_____	Addendum# _____	Date: _____
City,State,Zip:	_____	Addendum# _____	Date: _____
Phone & Fax#:	_____		
Email:	<u>marcos.rios @cahsinc.com</u>	Plan# <u>AGC</u>	
Check #	_____		
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Contractor Name:	_____	Addendum# _____	Date: _____
Address:	_____	Addendum# _____	Date: _____
City,State,Zip:	_____	Addendum# _____	Date: _____
Phone & Fax#:	_____		
Email:	_____	Plan# _____	
Check #	_____		
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Contractor Name:	_____	Addendum# _____	Date: _____
Address:	_____	Addendum# _____	Date: _____
City,State,Zip:	_____	Addendum# _____	Date: _____
Phone & Fax#:	_____		
Email:	_____	Plan# _____	
Check #	_____		
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Contractor Name:	_____	Addendum# _____	Date: _____
Address:	_____	Addendum# _____	Date: _____
City,State,Zip:	_____	Addendum# _____	Date: _____
Phone & Fax#:	_____		
Email:	_____	Plan# _____	
Check #	_____		



AIR COOLED CHILLER SCHEDULE

Table with columns: MARK, CHILLER OPTIONS, SERVES, NOMINAL (TONS), CAPACITY (TONS), AMBIENT TEMP (F), FLOW (GPM), MAX PD (FT WG), EWT (F), LWT (F), # OF COMPRESSORS TYPE, MIN % CAPACITY, ELEC. V-PH-HZ, MCA, MOCP, IPLV AT ARI, FULL LOAD EER AT ARI, SOUND POWER OVERALL dBA, DIMENSIONS (LxWxH) IN, OPERATING WEIGHT (LB), DAIKIN MODEL NUMBER.

- NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR CHANGES TO DESIGN RESULTING FROM SELECTION OF OTHER MANUFACTURERS EQUIPMENT.
2. LISTED CAPACITY BASED ON ACTUAL CONDITIONS LISTED ABOVE. EFFICIENCIES LISTED AT ARI CONDITIONS.
3. PROVIDE CHILLER WITH FACTORY INSTALLED HAIL GUARDS, BASE SECURITY GRILLES, LOW SOUND ACOUSTICAL PACKAGE, CONDENSER COIL COATING (E-COAT)
4. PROVIDE UNIT WITH LOW AMBIENT CONTROL TO 40°F, HIGH AMBIENT TO 125°F, ACROSS THE LINE STARTER, AND SUCTION SERVICE VALVES.
5. PROVIDE CHILLER WITH SINGLE POINT POWER CONNECTION INCLUDING POWER FOR CONTROL. IN ADDITION, PROVIDE FACTORY-BUILT CIRCUIT PROTECTION (MOTOR STARTER PROTECTION) AND NON-FUSED THROUGH-THE-DOOR DISCONNECT WITH 85,000 AMPS SCWR RATING.
6. PROVIDE TERMINAL BLOCK FOR POWER CONNECTION. DIV. 26 WILL PROVIDE EXTERNALLY MOUNTED NON-FUSED DISCONNECT. COORDINATE WITH ELECTRICAL.
7. PROVIDE FACTORY INSTALLED DUAL PUMP PACKAGE WITH CHECK VALVE, ISOLATION VALVE AND STRAINER. IN LIEU OF LOOSE VFDS PROVIDE FACTORY INSTALLED PUMP MOTOR STARTERS IN NEMA 3R ENCLOSURES.
8. PROVIDE INTEGRAL PRIMARY DUAL PUMP PACKAGE WITH 70" EXTERNAL TDH.
11. PROVIDE FACTORY INSTALLED HOT GAS BYPASS.

SINGLE PATH CHW AIR HANDLER UNIT SCHEDULE - IDEA DONNA CAMPUS

Table with columns: MARK, TYPE, NEW SUPPLY CFM, NEW OA CFM, ESP (INCHES), FAN QTY, MIN. HP PER FAN, FAN ELECTRICAL (VI/PH, FLA/FAN, FAN MCA, FAN MOCP), TOTAL MBH, SENSIBLE MBH, CHILLED WATER COIL (EAT DB/WB, LAT, EWT/LWT, GPM), ELECTRIC HEAT (HEAT STAGES, MCA, HEAT MOCP), MANUFACTURER & MODEL NUMBER, NOTES.

- NOTES:
1. MANUFACTURER AND MODEL NUMBER LISTED ARE "OR APPROVED EQUAL". SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS AND SUBSTITUTION PROCEDURES.
2. ESP IS STRICTLY EXTERNAL STATIC PRESSURE AND IS IN ADDITION TO ANY FILTERS, COILS, HEATERS OR OTHER ACCESSORIES INCLUDED WITH THE AIR HANDLING UNIT.
3. MOTOR SHALL BE NON-OVERLOADING TYPE, TOTALLY ENCLOSED, PREMIUM EFFICIENCY, ECM TYPE.
4. REFER TO AHU PLANS AND ELEVATIONS.
5. PROVIDE FILTER MIXING BOX SECTION WITH 2" MERV 8 PRE-FILTER AND 4" MERV 13 AFTER FILTER. COIL SECTION, ACCESS, FAN SECTION, ELEC. HEATER WITH DOORS ACCESS SIDE FOR EACH. PROVIDE GALVANIZED FILTER PAD FRAMES/RACKS NO LONGER THAN 24" FOR MERV 8 FILTERS ONLY. SEE SPECIFICATIONS.
6. PROVIDE STAINLESS STEEL CABINET LINER IN COIL SECTION AND STAINLESS STEEL COIL CASING. EXTEND STAINLESS STEEL DRAIN PAN WITH THROUGH EXTENDED COIL SECTION.
7. CHW COILS SHALL BE 5/8" DIAMETER.
8. PROVIDE MINIMUM 18" DOOR IMMEDIATELY AFTER THE COOLING COIL FOR COIL ACCESS AND ACCESS TO FAN INTAKE.
9. COILS SHALL BE MAXIMUM 8 ROWS WITH 10 FINS PER INCH OR LESS.
10. PROVIDE DAMPER IN THE TOP OF THE MIXING SECTION. COORDINATE ACTUATORS WITH DDC CONTRACTOR.
11. PROVIDE FAN ARRAY WITH FACTORY MOUNTED SINGLE POINT POWER PANEL INCLUDING HAND/OFF/AUTO SWITCH, 0-10 VDC SIGNAL INPUT, FAN FAULT TERMINAL, FUSED DISCONNECT, MOTOR CONTROL PANEL, LINE AND LOW VOLTAGE WRING, INDIVIDUAL FAN MOTOR OVERCURRENT PROTECTION/ISOLATION SWITCH, AND POTENTIOMETER FOR MANUAL CONTROL OVERRIDE.
12. FOR AHUS SCHEDULED WITH HEATING SECTION, PROVIDE ELECTRICAL CONNECTION SEPARATE FROM FAN MOTOR. COORDINATE WITH EQUIPMENT MANUFACTURER AND ELECTRICAL CONTRACTOR.

EQUIPMENT CONNECTION SCHEDULE:

Table with columns: DESIGN, NEW HP/KW, NEW MCA, NEW MOCP, EXISTING MOCP, VOLTAGE, EXISTING DISCONNECT, NEW DISCONNECT, EXISTING BRANCH CIRCUIT, NEW BRANCH CIRCUIT, POWER SOURCE.

- GENERAL NOTES:
A) LOCATE EQUIPMENT MEANS OF DISCONNECT WITHIN EQUIPMENT SIGHT. DO NOT INSTALL BELOW DUCTWORK OR PLUMBING LINES.
B) PROVIDE NEW BRANCH CONNECTION FROM DISCONNECT TO EQUIPMENT. TYPICAL FOR ALL NEW HVAC EQUIPMENT.

- NOTES:
1) RETAIN AND REUSE EXISTING RACEWAY.
2) REMOVE EXISTING CIRCUIT BREAKER AND PROVIDE NEW TO MATCH NEW MOCP. PROVIDE UL LISTED UNIT FROM EXISTING MANUFACTURER (EATON CUTLER-HAMMER).
3) FURNISHED BY DIV. 23. INSTALLED AND CONNECTED BY DIV. 26.
4) DISCONNECT AND REMOVE INCLUDING RELATED SUPPORT HARDWARE.
5) REMOVE EXISTING SUPPORT STRUCTURE AND PROVIDE NEW HOT-DIPPED GALVANIZED SUPPORT STRUCTURE WITH CONCRETE FOOTING.
6) RETAIN AND REUSE EXISTING CIRCUIT BREAKER.

PANELBOARD "1-H" (EXISTING): EATON CUTLER-HAMMER POW-R-LINEC, TYPE PRL-3A, 400A, 277/480V, 3Ø, 4W, 35KAIC, JOB NO. SCP80091, MFGD. AT HUS, BOX CAT. YS2072, DATE 06-30-2004  
PANELBOARD "2H" (EXISTING): EATON CUTLER-HAMMER POW-R-LINEC, TYPE PRL-3A, 400A, 277/480V, 3Ø, 4W, 35KAIC, JOB NO. SCP80091, MFGD. AT HUS, BOX CAT. YS2072, DATE 06-30-2004

WALL MOUNTED AC UNIT SCHEDULE

Table with columns: MARK, NOMINAL TONNAGE, COOLING CFM, VENT CFM, ESP (IN), MIN. HP, MCA, MOCP, ELECTRICAL VI/PH, AIR IN COND. TEMP (F), COOLING (TOTAL BTU/H, SENSIBLE BTU/H, EAT DB/WB, LAT DB/WB), HEATING ELEC. HEATER (KW), MINIMUM EER/IPLV, WEIGHT LBS., NOTES, EXIST. MANUFACTURER EXIST. MODEL NUMBER, BARD MODEL NUMBER (NEW).

- NOTES:
1. ELECTRICAL DISCONNECT BY DIV. 26. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. PROVIDE FACTORY DIPPED E-COATED CONDENSER COIL.
3. PROVIDE HOT GAS REHEAT FOR DEHUMIDIFICATION OPERATION.
4. PROVIDE MOTORIZED OUTSIDE AIR DAMPER.
5. PROVIDE HONEYWELL THERMOSTAT 8403-060 AND CO2 VENTILATION CONTROL DISPLAY S8403-096.
6. PROVIDE 2" MERV 13 FILTER.
7. PROVIDE FACTORY MOUNTED SUPPLY AND RETURN GRILLES.

EXPANSION TANK SCHEDULE

Table with columns: MARK, SERVICE, TYPE, ACCEPTANCE VOLUME GALLONS, (DIAMETER) X (HEIGHT), LOCATION, MANUFACTURER & MODEL NUMBER OR EQUAL.

AIR SEPARATOR SCHEDULE

Table with columns: MARK, SERVICE, TYPE, MAX. FLOW GPM, (DIAMETER) X (HEIGHT), LOCATION, MANUFACTURER & MODEL NUMBER OR EQUAL.

FILTER FEEDER SCHEDULE

Table with columns: MARK, SERVICE, TYPE, ACCEPTANCE VOLUME GALLONS, (DIAMETER) X (HEIGHT), LOCATION, MANUFACTURER & MODEL NUMBER OR EQUAL, NOTES.

- NOTES:
1. PROVIDE LEG SET WITH ANCHOR BOLTS NEPTUNE MODEL "FTF-LESS" TO ELEVATE FILTER FEEDER 9".
2. PROVIDE FINE FILTER BAG, 5-MICRON RINGTOP BAG.

CHW STORAGE TANK SCHEDULE

Table with columns: MARK, SERVICE, TYPE, CAPACITY GALLON, (DIAMETER) X (HEIGHT), LOCATION, MANUFACTURER & MODEL NUMBER OR EQUAL, NOTES.

- NOTES:
1. PROVIDE WITH R-12 SPRAY FOAM INSULATION AND ALUMINUM JACKET.
2. PRIOR TO ORDERING, COORDINATE UPPER OR LOWER CONNECTIONS TO AVOID CONFLICT WITH EXISTING CONDITIONS.