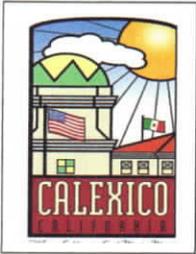


**AGENDA  
ITEM**

**9**



# AGENDA STAFF REPORT

**DATE:** June 17, 2020

**TO:** Mayor and City Council

**APPROVED BY:** David B. Dale, City Manager *MD for D.D.*

**PREPARED BY:** Lizeth Legaspi, Acting Librarian *ll*

**SUBJECT:** Award the Bid Proposal from Air Conditioning Guys in the amount of \$32,644 and Authorize City Manager to Sign the Agreement for the Replacement of Two Air Conditioning/Heater Package Units at Camarena Memorial Library

=====

**Recommendation:**

It is recommended that the City Council of the City of Calexico approve the following:

1. Award the Bid Proposal from Air Conditioning Guys in the amount of \$32,644 and Authorize City Manager to Sign the Agreement for the Replacement of two Air Conditioning/Heater Package Units at Camarena Memorial Library.

**Background:**

On May 13, 2020, the Camarena Memorial Library requested bids for the replacement of Two Air Conditioning/Heater Package Units. The project will include the replacement and removal of existing units.

**Discussion & Analysis:**

On June 2, 2020, the Office of the City Clerk received two (2) proposals. Each proposal included two options:

	Company	Total
1	Air Guys	Option 1 \$32,644 Option 2 \$47,510
2	Vic's Air Conditioning	Option 1 \$51,315 Option 2 \$56,410



After carefully reviewing all bid documentation from both companies with the assistance of Public Works Staff, it was found that although both meet all required guidelines, Air Conditioning Guys are the lowest responsible bidder. For this reason, the Library Department is requesting City Council authorization to award the bid proposal to Air Conditioning Guys.

**Fiscal Impact:**

Monies from the Capital Improvement Program budgeted for the Library will be used to cover this expense in the amount of \$32,644. The total allocated funding for FY 2019-20 amounts to \$40,000.

**Coordinated With:**

Public Works Department

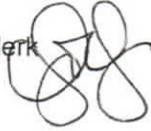
**Attachment(s):**

1. Bid Tabulation Sheet
2. Air Conditioning Guys Bid Proposal
3. Vic's Air Conditioning Bid Proposal
4. Professional Services Agreement

# Memorandum

To: Lizeth Legaspi, Acting City Librarian

From: Gabriela T. Garcia, City Clerk



Date: 6/2/2020

Re: **Replacement of Air Conditioning/Heater Package Units  
at Camarena Memorial Library**

Lizeth,

Attached please find the bids received today at 10:00 a.m. for the above mentioned project. Two Bids were received. Bid opening was conducted via go-to-meeting.

Air Guys	Option 1: \$ 32,644.00 Option 2: \$ 47,510.00
Vic's Air Conditioning	Option 1: \$ 51,315.00 Option 2: \$ 56,410.00

If you have any questions, please do not hesitate to call me at ext. 102.

Sincerely,

Gabriela Garcia  
City Clerk

Enclosures

**CITY OF CALEXICO  
OFFICE OF THE CITY CLERK  
BID TABULATION**

**Bid:** Replacement of Air Conditioning/Heater Package Units at Camarena Memorial Library  
**Dept.:** Camarena Memorial Library Department  
**Date:** June 2, 2020  
**Time:** 10:00a.m.  
**Location:** Council Chambers, City Hall, 608 Heber Avenue, Calexico, CA

COMPANY	TOTAL
Air Guys	Option 1: \$ 32,644.00 Option 2: \$ 47,510.00
Vic's Air Conditioning	Option 1: \$ 51,315.00 Option 2: \$ 56,410.00



Gabriela T. Garcia, City Clerk

6/2/2020

Date



## City of Calexico - Camarena Memorial Library's proposal

(760) 352-2244  
1413 W. Main St  
142 Oakpoint Chula Vista, CA 91913  
[help@acguyscalifornia.com](mailto:help@acguyscalifornia.com)

05/28/2020



www.acguysCalifornia.com

**May 28, 2020**

**City of Calexico – Camarena Memorial Library**

## **RFB for Replacement of Air Conditioning/Heater Package Units**

Dear City Officials,

We are excited about the opportunity to be awarded the contract to replace the 2 air conditioning systems at the Camarena Memorial Library.

Please accept the 2 proposals we are submitting:

Option 1: Trane brand equipment

Option 2: York brand equipment

I will be the project manager for this contract and I can be reached at the information on this letter.

Thank you for the opportunity to quote your project.

Louis Fuentes

☐ (760) 352-2244

☒ louis@airconditioningguyz.com

👤 LOUIS FUENTES





www.acguysCalifornia.com

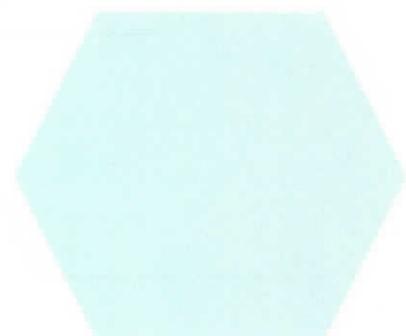
**May 28, 2020**

**City of Calexico – Camarena Memorial Library**

## RFB for Replacement of Air Conditioning/Heater Package Units

### Table of Contents:

<b>1.</b> Bid Summary with Option 1 & Option 2 .....	Page 3
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Spec Sheets Trane .....	Page 5
Option 2 – York .....	Page 9
Spec Sheets York .....	Page 10
<b>2.</b> Price Match Guarantee .....	Page 13
<b>3.</b> Building Inspection Included in Bid .....	Page 14
<b>4.</b> Contractor's License Info .....	Page 15
<b>5.</b> Concluding Statement .....	Page 16
<b>6.</b> Project Manager Bio .....	Page 17
<b>7.</b> Experience .....	Page 18
<b>8.</b> Attachment B – Bid Response Page .....	Page 19
<b>9.</b> Addendum No. 1 acknowledgement .....	Page 21





www.acguysCalifornia.com

**May 28, 2020**

**City of Calexico – Camarena Memorial Library**

## RFB for Replacement of Air Conditioning/Heater Package Units

Assigned Project Manager: Louis Fuentes

[louis@airconditioningguyz.com](mailto:louis@airconditioningguyz.com)

PROJECT: 850 Encinas Ave

City: Calexico, CA 92231

**Installation Team:** 3 Man Crew with EPA Certification and ACCA's Quality Installation Practices.

This Proposal is for complete installation of Air Conditioning/Heating component of this project:

Option #1	Qty 2 = Trane 15 ton Package A/C Heater	\$32,644
Option #2	Qty 2 = York 15 ton Package A/C Heater	\$47,510



### (Qty) SCOPE OF WORK PER Plans Specs:

- Remove existing system
- Replace Electrical Whip
- Replace Electrical Disconnect
- Clean area
- Replace Thermostats
- Seal and Test all Junctions for new unit
- Install 2 – 15 ton Package HVAC systems
- Test and Start up

### WARRANTIES:

7 Year Manufacturers Warranty

2 Yr Labor Warranty

Thank you for the opportunity to quote your project.

Louis Fuentes



# Option #1: Trane Brand

City of Calexico - Camarena Memorial Library | 850 Encinas Ave, Calexico, CA 92231

#394-1 | 05/28/2020



- Package Heat Pump
- 7 Yr Parts Warranty
- 7 Yr Compressor Warranty
- New Basic Thermostat
- New Electrical Whip
- New Electrical Disconnect
- New Breaker
- New Condensation Line

Services	Quantity	Unit price	Amount
<b>Package Air Conditioning / Heat System 15 tons</b> 208/230-3 Air Conditioning & Heating System Removal and Installation - Remove existing system - Clean Supply air duct junction - Clean Return air duct junction - Remove old disconnect - Remove old electrical whip - Remove old breaker  - Install new seal around sheet metal junction - Install new air conditioner - Install new Electrical Disconnect - Install new Electrical Whip - Install new Condensation Line - Install new PVC P-trap - Install new Breaker at Main Panel - Install New Thermostat - Install New Return Grill Register - Refrigerant Charge balance  Test and Start Up of System to ensure proper functionality	2	\$16,320.00	\$32,640.00
 <b>Warranty - 7 Year Parts / Compressor Warranty</b> - No Charge for the compressor parts within the first 7 years - There is a Core exchange charge for Compressor of \$50 - Does not include addition of Refrigerant after compressor change out that is extra charge by the pound	2	\$1.00	\$2.00
 <b>Warranty - 2 Year Labor</b> Get a 2 year labor warranty on all Better Tiered AC systems Extend the LABOR warranty on Repairs and pay nothing to repair for 2 years! Diagnostic Fee applies but not to repair the system once we identify what the issue is.	2	\$1.00	\$2.00

<b>Air Conditioning Guys</b>	<b>Subtotal</b>	<b>\$32,644.00</b>
(760) 352-2244	<b>Total</b>	<b>\$32,644.00</b>
help@acguyscalifornia.com		

1413 W. Main St  
 142 Oakpoint Chula Vista, CA-91913

Thank you for choosing the Air Conditioning Guys. We love your business! CA Lic# 1008878



Product Catalog

# Packaged Rooftop Air Conditioners Voyager™ Light Commercial – Heat Pump

12.5 to 20 Tons – 60 Hz



April 2020

PKGP-PRC012U-EN

TRANE  
TECHNOLOGIES



# General Data

Table 3. General data — 12½ - 20 tons

	12½ Tons Downflow & Horizontal Units	15 Tons Downflow & Horizontal Units	20 Tons Downflow & Horizontal Units
	WS*150E3,4,W	WS*180E3,4,W	WS*240E3,4,W
<b>Cooling Performance<sup>(a)</sup></b>			
Gross Cooling Capacity	148,000	177,000	249,000
EER <sup>(b)</sup>	10.6	10.6	9.7
Nominal Airflow/ARI Rated Airflow (CFM)	5000	6000 / 5300	8000 / 6400
ARI Net Cooling Capacity	146,000	170,000	240,000
IEER <sup>(c)</sup> (One Speed Fan / Two or Variable Speed Fan)	12/13.5	12/13.5	11.5/12.0
System Power (kW)	13.77	16.04	25.47
<b>Heating Performance<sup>(a)</sup></b>			
High Temp. Btuh Rating	136,000	170,000	210,000
COP	3.2	3.2	3.2
System Power (kW)	12.46	15.57	19.23
Low Temp. Btuh Rating	75,000	90,000	120,000
COP	2.1	2.1	2.1
System Power (kW)	10.47	12.56	16.75
<b>Compressor</b>			
Number/Type	2 / Scrolls	2 / Scrolls	2 / Scrolls
<b>ARI Sound Rating (BELS)<sup>(d)</sup></b>			
	9.2	9.2	9.4
<b>Outdoor Coil — Type</b>			
Refrigerant Control	Hi-Performance	Hi-Performance	Hi-Performance
Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Tube Size (in.) OD	0.3125	0.3125	0.3125
Face Area (sq. ft.)	35.20	35.20	42.53
Rows/FPI	3 / 16	3 / 16	3 / 16
<b>Indoor Coil — Type</b>			
Refrigerant Control	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size (in.) ID	0.3125	0.3125	0.3125
Face Area (sq. ft.)	26.00	26.00	31.42
Rows/FPI	3 / 15	4 / 15	4 / 15
Refrigerant Control	Short Orifice	Short Orifice	Short Orifice
Drain Connection Number/Size (in.)	1/1.00 NPT	1/1.00 NPT	1/1.00 NPT
<b>Outdoor Fan — Type</b>			
Number Used/Diameter (in.)	Propeller	Propeller	Propeller
Drive Type/No. Speeds	2 / 26	2 / 26	2 / 28
CFM	Direct / 1	Direct / 1	Direct / 1
Number Motors/HP	11,100	10,800	14,800
Motor RPM	2 / 0.5	2 / 0.5	2 / 1.0
	1,100	1,100	1,125

6.



## General Data

**Table 3. General data — 12½ - 20 tons (continued)**

	<b>12½ Tons Downflow &amp; Horizontal Units</b>	<b>15 Tons Downflow &amp; Horizontal Units</b>	<b>20 Tons Downflow &amp; Horizontal Units</b>
	<b>WS*150E3,4,W</b>	<b>WS*180E3,4,W</b>	<b>WS*240E3,4,W</b>
<b>Indoor Fan - Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal
Number Used/Diameter (in.)	1 / 18x18	1 / 18x18	1 / 18x18
Drive Type/No. Speeds	Belt / 1	Belt / 1	Belt / 1
Number Motors	1	1	1
Motor HP (Standard/Oversized)	3.0 / 5.0	3.0 / 5.0 or 7.5 <sup>(e)</sup>	5.0 / 7.5
Motor RPM (Standard/Oversized)	1740 / 3,450	1740 / 3,450	3450 / 3,470
Motor Frame Size (Standard/Oversized)	56HZ / 56HZ	184TZ / 56HZ or 184TZ	56HZ / 184T
<b>Filters - Type Furnished</b>	Throwaway	Throwaway	Throwaway
Number Size Recommended			
Downflow	(4)20x20x2	(4)20x20x2	(8)20x20x2
Horizontal	(4)20x25x2	(4)20x25x2	(4)20x16x2
	(8)20x25x2	(8)20x25x2	(12)20x20x2
<b>Refrigerant Charge Pounds of R-410A<sup>(f)</sup></b>			
Downflow	14 / 14.5	16.5 / 15.9	20.0 / 20.7
Horizontal	13.2 / 13.3	17 / 15.9	

- (a) Cooling Performance is rated at 35°C (95°F) ambient, 26.7°C (80°F) entering dry bulb, 19.4°C (67°F) entering wet bulb. Heating Performance is rated at 20°C (68°F) ambient, 8.3°C (47°F) entering dry bulb, 6.1°C (43°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal airflow. Rated in accordance with ARI Standard 210/240 or 340/360.
- (b) EER is rated at ARI conditions and in accordance with DOE test procedures.
- (c) Integrated Energy Efficiency Ratio (IEER) is rated in accordance with AHRI standard 210/240 or 360.
- (d) Sound Rating shown is tested in accordance with ARI Standard 270 or 370.
- (e) Offered only as a field installed accessory.
- (f) Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.



# Performance Data

**Table 4. Gross cooling capacities (MBh) 12½ tons three phase WS\*150E**

Air Flow CFM	Ent DB °F	Ambient Temperature (°F)																	
		85						95						105					
		Entering Wet Bulb (F)																	
		61		67		73		61		67		73		61		67		73	
MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC		
4000	75	140.4	110.8	152.3	74.7	156.2	39.1	131.7	108.1	146.6	75.2	153.1	35.5	118.1	103.1	138.7	73.6	148.3	33.9
	80	146.6	139.5	156.7	99.7	160.5	60.9	135.0	131.4	148.6	98.4	155.7	59.5	123.4	123.4	140.6	97.0	150.9	58.0
	85	148.1	148.1	156.5	121.3	161.4	85.3	141.9	141.9	150.7	121.6	158.5	83.4	135.0	135.0	142.6	120.3	153.1	81.9
	90	155.8	155.8	159.4	144.5	163.7	106.3	150.5	150.5	153.8	145.1	160.6	107.3	144.0	144.0	146.2	143.6	156.0	105.8
4500	75	144.5	117.5	156.4	77.9	157.1	37.5	136.4	115.5	149.0	77.1	154.1	36.7	125.1	111.9	141.7	76.3	149.6	33.1
	80	147.8	143.2	158.8	103.5	159.8	61.1	139.9	139.6	151.2	102.9	157.1	63.3	131.5	131.5	143.7	102.3	152.3	60.1
	85	153.8	153.8	158.8	127.9	162.4	85.0	148.2	148.2	153.8	128.8	159.9	89.0	141.3	141.3	146.4	129.1	155.0	86.6
	90	160.1	160.1	161.6	152.9	165.3	108.6	156.0	156.0	157.4	153.7	162.5	113.9	150.0	150.0	150.9	150.8	157.6	113.0
5000	75	147.7	123.7	154.9	78.7	157.8	33.9	139.8	122.3	150.7	78.4	154.7	36.9	129.6	119.6	143.9	79.1	150.9	33.7
	80	151.6	150.4	160.1	107.3	160.2	60.0	144.2	144.2	153.1	107.3	158.0	64.7	136.9	136.9	146.1	107.3	153.1	63.5
	85	157.3	157.3	160.3	135.3	162.7	86.8	152.6	152.6	156.4	136.0	160.8	91.1	146.2	146.2	149.3	136.4	156.5	92.2
	90	162.3	162.3	163.0	158.0	165.4	112.7	159.4	159.4	159.9	159.1	163.6	116.5	154.2	154.2	154.2	154.2	159.3	120.2
5500	75	149.9	129.7	155.6	82.5	158.0	31.8	142.5	128.7	151.9	80.6	155.5	34.1	133.3	126.6	145.6	81.1	153.0	36.3
	80	154.1	154.0	158.4	112.6	160.5	62.6	148.3	148.3	154.5	111.6	158.7	63.3	141.2	141.2	148.2	112.6	154.5	66.6
	85	159.4	159.4	161.0	140.5	163.3	91.2	155.8	155.8	157.9	142.7	160.9	90.9	150.0	150.0	151.8	143.2	157.3	96.9
	90	163.8	163.8	164.2	160.8	165.7	118.4	161.1	161.1	161.4	161.2	164.1	119.0	157.1	157.1	157.2	157.2	160.3	125.5
6000	75	153.7	136.6	156.6	85.7	159.3	32.9	145.0	134.8	152.1	83.2	155.8	31.7	136.2	132.9	147.0	83.8	151.9	35.3
	80	156.4	156.4	159.2	116.6	161.8	65.1	151.2	151.2	155.4	116.6	159.2	63.2	144.6	144.6	149.8	117.7	155.3	68.4
	85	160.3	160.3	161.9	143.5	163.7	95.1	157.8	157.8	159.0	148.8	164.6	97.9	152.7	152.7	156.1	154.1	158.2	99.2
	90	164.7	164.7	164.9	162.7	166.3	122.2	162.7	162.7	164.7	164.7	164.5	123.4	158.7	158.7	158.6	158.6	161.3	128.5
Air Flow CFM	Ent DB °F	Ambient Temperature (°F)																	
		115																	
		Entering Wet Bulb (F)																	
		61		67		73		61		67		73		61		67		73	
MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC	MBH	SHC		
4000	75	104.6	98.2	129.1	71.4	141.4	33.8												
	80	114.1	114.1	130.8	94.5	143.9	58.3												
	85	127.1	127.1	132.8	118.1	145.8	82.1												
	90	136.7	136.7	136.9	136.9	148.1	105.6												
4500	75	111.4	107.2	132.2	74.6	143.0	32.2												
	80	122.5	122.5	134.1	100.7	145.4	59.5												
	85	133.6	133.6	137.3	127.3	147.8	85.6												
	90	142.8	142.8	142.9	142.9	150.6	112.4												
5000	75	116.2	114.7	134.8	77.8	144.4	31.3												
	80	128.8	128.8	136.9	106.9	146.7	60.7												
	85	138.6	138.6	140.6	135.6	149.5	90.1												
	90	147.3	147.3	147.5	147.5	152.6	119.3												
5500	75	121.4	121.1	136.7	80.5	144.9	32.0												
	80	133.0	133.0	139.2	112.5	148.0	63.8												
	85	142.5	142.5	143.5	142.0	150.9	95.4												
	90	150.4	150.4	150.5	150.5	153.8	126.7												
6000	75	125.5	125.5	138.4	83.4	145.6	32.6												
	80	136.5	136.5	141.1	117.9	148.8	66.6												
	85	145.6	145.6	146.1	145.9	151.8	100.4												
	90	152.7	152.7	152.6	152.6	155.0	132.6												

**Notes:**

1. Dry Coil Condition. Total Gross Cooling Capacity (MBh) shown to the left is not applicable. In this case the Sensible Heat Capacity (SHC) is the total capacity.
  2. All capacities shown are gross and have not considered indoor fan heat. To obtain net cooling subtract indoor fan heat.
  3. MBH = Total Gross Capacity
  4. SHC = Sensible Heat Capacity
- \* stands for both downflow and horizontal unit.

# Option #2: York Brand

City of Calexico - Camarena Memorial Library | 850 Encinas Ave, Calexico, CA 92231

#394-2 | 05/28/2020



- Package Heat Pump
- 5 Yr Parts Warranty
- 5 Yr Compressor Warranty
- New Basic Thermostat
- New Electrical Whip
- New Electrical Disconnect
- New Breaker
- New Condensation Line

Services	Quantity	Unit price	Amount
<b>Package Air Conditioning / Heat System 15 tons 208/230-3</b> Air Conditioning & Heating System Removal and Installation - Remove existing system - Clean Supply air duct junction - Clean Return air duct junction - Remove old disconnect - Remove old electrical whip - Remove old breaker  -Install new seal around sheet metal junction - Install new air conditioner - Install new Electrical Disconnect - Install new Electrical Whip - Install new Condensation Line - Install new PVC P-trap - Install new Breaker at Main Panel - Install New Thermostat - Install New Return Grill Register - Refrigerant Charge balance  Test and Start Up of System to ensure proper functionality	2	\$23,753.00	\$47,506.00
 <b>Warranty - 5 Year Parts / Compressor Warranty</b> - No Charge for the compressor parts within the first 5 years - There is a Core exchange charge for Compressor of \$50 - Does not include addition of Refrigerant after compressor change out that is extra charge by the pound	2	\$1.00	\$2.00
 <b>Warranty - 2 Year Labor</b> Get a 2 year labor warranty on all Better Tiered AC systems Extend the LABOR warranty on Repairs and pay nothing to repair for 2 years! Diagnostic Fee applies but not to repair the system once we identify what the issue is.	2	\$1.00	\$2.00

Air Conditioning Guys	Subtotal	\$47,510.00
(760) 352-2244	Total	\$47,510.00
help@acguyscalifornia.com		

1413 W. Main St  
 142 Oakpoint Chula Vista, CA-91913

Thank you for choosing the Air Conditioning Guys. We love your business! CA Lic# 1008878



## Heating and Air Conditioning TECHNICAL GUIDE

### R-410A XP SERIES 15/20 TON 60 Hertz



XP180 Shown

### Description

YORK® XP240 Sunline Magnum™ /XP180 Sunline™ Heat Pump units are convertible single package high efficiency rooftops. All models have independent refrigeration circuits for efficient part load operation.

Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

All units are self-contained and assembled on rigid full perimeter base rails allowing for overhead rigging. Every unit is completely charged, wired, piped, and tested at the factory to provide a quick and easy field installation.

All models (including those with an economizer) are convertible between bottom and horizontal duct connections.

The heat pumps utilize a demand defrost control scheme. The unit will operate in heating mode until a combination of outdoor ambient and outdoor coil temperature indicate that a defrost cycle is necessary. The outdoor coil temperature must remain below the initiate point continuously for 4-1/2 minutes to eliminate any unnecessary defrost cycles.

Heat Pump units are available in the following configurations: Heat Pump with or without Electric Heat. Electric heaters are available as factory-installed options only.

Tested in accordance with:



## Physical Data

### XP180/240 Physical Data

Component	Models			
	XP180		XP240	
Nominal Tonnage	15		20	
<b>AHRI COOLING PERFORMANCE</b>				
Gross Capacity @ AHRI A point (Btu/hr)	188,700		261,400	
AHRI net capacity (Btu/hr)	180,000		250,000	
EER	10.6		10.5	
IEER	11.9		10.9	
Nominal CFM	6000		8000	
System power (KW)	17.0		23.8	
Refrigerant type	R-410A		R-410A	
Refrigerant charge (lb-oz)				
System 1	22-8		28-0	
System 2	23-0		29-0	
<b>AHRI HEATING PERFORMANCE</b>				
47 F Net Capacity (Btu/hr)	166,000		260,000	
System power (KW) / COP	15.19 / 3.20		23.80 / 3.20	
17 F Net Capacity (Btu/hr)	100,000		146,000	
System power (KW) / COP	14.64 / 2.00		20.96 / 2.00	
<b>DIMENSIONS (inches)</b>				
Length	136-1/4		180-19/32	
Width	92		92	
Height	52-5/8		52-5/8	
<b>OPERATING WT. (lbs.)</b>				
	2140		2650	
<b>COMPRESSORS</b>				
Type	Scroll		Scroll	
Quantity	2		2	
Unit Capacity Steps (%)	50 / 100		50 / 100	
<b>CONDENSER COIL DATA</b>				
Face area (Sq. Ft.)	43.3		63.8	
Rows	3		2	
Fins per inch	15		20	
Tube diameter (in.)	3/8		3/8	
Circuitry Type	Split-face		Split-face	
<b>EVAPORATOR COIL DATA</b>				
Face area (Sq. Ft.)	20		25	
Rows	4		4	
Fins per inch	13.5		15	
Tube diameter	3/8		3/8	
Circuitry Type	Inter-twined		Split-face	
Refrigerant control	TXV		TXV	
<b>CONDENSER FAN DATA</b>				
Quantity	2		4	
Fan diameter (Inch)	30		30	
Type	Prop		Prop	
Drive type	Direct		Direct	
No. speeds	1		1	
Number of motors	2		4	
Motor HP each	1.25		0.5	
RPM	1140		1075	
<b>BELT DRIVE EVAP FAN DATA</b>				
Quantity	1		1	
Fan Size (Inch)	18 X 15		18 X 15	
Type	Centrifugal		Centrifugal	
Motor Sheave	1VP60	1VP60	1VP60	1VP60
Blower Sheave	BK120	BK100	BK110	BK090
Belt	BX81	BX78	BX78	BX75
Motor HP each	5	7.5	7.5	10
RPM	1750	1750	1750	1760
Frame size	184T	213T	213T	215T
<b>FILTERS</b>				
Quantity - Size	4 - (16 x 25 x 2), 4 - (16 x 20 x 2) <sup>1,2</sup>		12 - (12 x 24 x 2) <sup>1,2</sup>	
	4 - (16 x 25 x 4), 4 - (16 x 20 x 4) <sup>3</sup>		2 - (20 x 24 x 4), 12 - (12 x 24 x 4) <sup>3</sup>	

- 2 In. Throwaway, Standard, MERV (Minimum Efficiency Reporting Value) 3.
- 2 In. Pleated, Optional, MERV 7.
- 4 In. Pleated, Optional, MERV 13.

**XP180/240 Unit Limitations**

Size (Tons)	Unit Voltage	Unit Limitations		
		Applied Voltage		Outdoor DB Temp
		Min	Max	Max (°F)
180 (15)	208/230-3-60	187	252	125
	460-3-60	432	504	125
	575-3-60	540	630	125
240 (20)	208/230-3-60	187	252	125
	460-3-60	432	504	125
	575-3-60	540	630	125

# Best Prices. Better Warranties. Guaranteed!



City of Calexico - Camarena Memorial Library | 850 Encinas Ave, Calexico, CA 92231

#394-3 | 05/28/2020



The Air Conditioning Guys Price Match Guarantee ensures we won't be beat on price. We'll match the product prices of Big Box Stores Home Depot, Lowe's and Costco and local competitors.!

You won't be disappointed and you'll get BETTER WARRANTIES!

Air Conditioning Guys  
(760) 352-2244  
help@acguyscalifornia.com  
1413 W. Main St  
142 Oakpoint Chula Vista, CA-91913

Subtotal	\$0.00
Total	\$0.00

Thank you for choosing the Air Conditioning Guys. We love your business! CA Lic# 1008878

# Building Inspection

City of Calexico - Camarena Memorial Library | 850 Encinas Ave, Calexico, CA 92231



#394-6 | 05/28/2020



Building Inspection by the corresponding agency.  
 County or City  
 Customer is responsible for the fee paid directly to the Agency.

Services	Quantity	Unit price	Amount
----------	----------	------------	--------

**City/County Inspection**

1

- If required internally by City Building Department
- Air Conditioning Guys will process the paper work
  - Go to the City and submit application on Customers behalf
  - Await for approval from city
  - Make any necessary Site Plans, Corrections, Layout Designs for City approval
  - Pick up the Building Permit
  - Call for Final Inspection
  - Make any corrections related to the HVAC installation at no cost to the customer up to 2 times.

\*Only corrections in regards to the installation of the HVAC system will be done by ACG. Inspector may call out other items he/she sees not related to this project at customer's responsibility.

**HERS Rating and CF1, CF2, CF3R's may be required by Building Inspector as well.**

1

- HERS 3rd party certification of Duct leakage and air flow
- Registration with the STATE of CALIFORNIA Agency on HERS Rating Database
- Certificate filing for proper completion of Building permit

**Air Conditioning Guys**

Subtotal

(760) 352-2244

Total

help@acguyscalifornia.com

1413 W. Main St

142 Oakpoint Chula Vista, CA-91913

Thank you for choosing the Air Conditioning Guys. We love your business! CA Lic# 1008878



# Contractor's License Detail for License # 1008878

**DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.**

- ▶ CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click [here](#) for a definition of disclosable actions.
- ▶ Only construction related civil judgments reported to CSLB are disclosed (B&P 7071.17).
- ▶ Arbitrations are not listed unless the contractor fails to comply with the terms.
- ▶ Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 5/28/2020 1:04:25 PM

### Business Information

AIR CONDITIONING GUYS INC  
1413 W MAIN ST  
EL CENTRO, CA 92243  
Business Phone Number:(760) 545-4110

**Entity** Corporation  
**Issue Date** 11/10/2015  
**Expire Date** 11/30/2021

### License Status

**This license is current and active.**

### Classifications

#### Contractor's Bond

This license filed a Contractor's Bond with HUDSON INSURANCE COMPANY.

**Bond Number:** 10033855

**Bond Amount:** \$15,000

**Effective Date:** 01/01/2016

[Contractor's Bond History](#)

#### Bond of Qualifying Individual

The qualifying individual LOUIS ADOLFO FUENTES certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.

**Effective Date:** 11/10/2015

### Workers' Compensation

This license has workers compensation insurance with the FALLS LAKE FIRE AND CASUALTY COMPANY

**Policy Number:** FLA012765

**Effective Date:** 10/05/2019

**Expire Date:** 10/05/2020

[Workers' Compensation History](#)



www.acguysCalifornia.com

**May 28, 2020**

**City of Calexico – Camarena Memorial Library**

## RFB for Replacement of Air Conditioning/Heater Package Units

### Concluding Statement:

We have a 69 year history behind our company. The only air conditioning company in Imperial Valley that is a Board Member of the National trade association: Air Conditioning Contractor's of America. As such we are the only ones that follow its National Standard of Quality Installation Practices.

Our jobs are taken with the utmost consideration of our client's comfort and energy saving needs. This, is why we take extra precautions and measures to ensure that the new system will last for years to come.

Notwithstanding the experience we bring, I have a personal connection to this project. Many days were spent in that Library as a student throughout elementary through High School. Having grown up approx. 5 blocks from it.

I hope to be able to realize this project for the City.

Thank you for the opportunity to quote your project.

Louis Fuentes



# Louis Adolfo Fuentes

## Biographical notes

Louis Fuentes is President of Air Conditioning Guys, Inc, an international air conditioning company and a leader in the air conditioning industry in Southern California's Imperial Valley and San Diego Regions. Elected to the Board of Directors of the Air Conditioning Contractors of America in 2016 he stills sits on it after being re-elected through 2021.

Recent Chair of the California Western Heating Performance Alliance Statewide Permitting Group. Member of the International Heating Air Conditioning Institute. Committee Member for ACCA's Quality Maintenance Protocols and Procedures that are ANSI approved by the Federal Government.

First President & CEO of the Imperial Valley Economic Development Corporation. He developed the marketing plan that led to the designation of an Enterprise Zone in Brawley-Imperial County in 2004-2005.

Louis has been called upon to represent the California Economic Development perspective and rural communities at State Congressional Hearings testifying to the State Assembly's Committee on Jobs, Economic Development and the Economy. He has received statewide media coverage in the LA Times, San Diego Union, CSPAN, Univision and numerous Southern California Business Journals as well as national media coverage in Mexico.

Lead project manager for a Cargo Airport concept in Imperial Valley, leading the consulting teams in the analysis of a cargo market from Baja California, availability of airspace use and site-selection process. He co-authored the agreement of the "Tri-Valley Alliance", between Imperial Valley, Palm Springs, CA and Mexicali, Baja California Mexico. He was nominated as "New Economic Development Professional of the Year" in 2004 by California's incoming Chairman of CALED and the incoming Chairman of the International Economic Development Council.

Louis was elected to sit on the Calexico City Council in 2006, serving as the cities 100<sup>th</sup> anniversary Mayor 2008-2009. A former member of the International Economic Development Council (IEDC), California Association for Local Economic Development (CALED), Former California Technology Trade & Commerce-Team California Marketing Co-Chair, Imperial Irrigation District Energy Consumer Advisory Committee, County of Imperial-Airport Exploratory Committee and Local Transportation Agency (LTA) administrative board Chairman. He also served as Chairman of the Imperial Valley Association of Governments (IVAG).

In April 2009, and under invitation from the Office of Governor Arnold Schwarzenegger, Louis Co-hosted a White House Health Care Forum, sharing the California perspective along with Gov. Schwarzenegger and Washington Gov. Gregoire to White House Director of Domestic Policy.

One of only 4 U.S. Mayors asked to give the perspective of cities along the U.S. Mexico Border by the Border Trade Alliance in Washington D.C. to Secretary of Homeland Security Janet Napolitano and key Congressional leaders in 2009.

Appointed by California Governor Arnold Schwarzenegger in 2009 to the Imperial County Board of Supervisors District 1 seat. Elected Chairman of the Board of Supervisors in February of 2010 - January 2011. Elected President of the US-Mexico Border Counties Coalition in Nov 2010. Appointed to the Air Conditioning Contractors of America (ACCA) Board of Directors in 2016, 2018 and again in 2020.

He has a degree in Development Studies with a concentration in Economics from the University of California Berkeley. A graduate of the University of Oklahoma's Economic Development Institute. A California Licensed HVAC Contractor of over 20 years.

Louis was born in the California border region of Calexico. Louis holds a black belt in Aikido Karate and Jujitsu and has three young children that drive his motivation to improve the quality of life in the region in which he lives.



www.acguysCalifornia.com

May 28, 2020

City of Calexico – Camarena Memorial Library

## RFB for Replacement of Air Conditioning/Heater Package Units

### Experience

Air Conditioning Guys – is a California licensed HVAC Contractor and Commercial Refrigeration Services Experts specializing in providing customers solutions to improve the comfort of their home, office, restaurant, retail or commercial space, reduce energy consumption and enhance the air quality for people that want to breathe cleaner-better air inside. We install package commercial refrigeration services, air conditioning, gas package or heat pumps, split system gas furnaces, ductless wall mount mini split air conditioners and air purification systems.

We also design, install and manufacture air ducts. We have designed Mechanical loads and duct layouts for some of the top General Contractors in Imperial Valley and our designs are in many buildings throughout this Region. Our installation teams have a combined 80+ years of experience in the field. We can provide the insurance as required should we be awarded the contract for services with your company. Our firm has been recognized by national business associations and by former Governor Schwarzenegger as one of California's Green Businesses helping to achieve energy efficiency savings and a commitment to green practices in the commercial refrigeration services sector. Air Conditioning Guys is proud to have been selected as Costco's Exclusive Air Conditioning Contractor for over 7 years-which highlights our commitment to excellent customer service, an outstanding product line and the latest in cooling and heating technologies. We also have this same recognition from Home Depot Stores. We are the only sitting Member on the Board of Directors for the Air Conditioning Contractors of America (ACCA) in Imperial Valley and San Diego Counties and the only one representing over 60,000 HVAC professionals at a national level from California. ACCA is the leading source for the industry standards only the elite professionals adhere to as the Commercial Quality Maintenance Programs. This ensures our commercial refrigeration services clients are given the best service and practice the best industry standards.

We have worked with a number of retail, restaurant chains and big box stores throughout our 69 year history which include:

**ATTACHMENT B**  
**Bid Response Page**

Bid Date Advertised: May 13, 2020

Bid Date/Time Due: June 2, 2020 at 10:00 a.m.

Name of Bid: Replacement of Air Conditioning/Heater Package Units at Camarena Memorial Library

Pricing bids shall include line items for:

- i. Total price to provide, install, and commission units
- ii. Premium rate for after hours/holiday work

Additionally, bids shall include:

- iii. Unit price mark-up for additional equipment and material
- iv. Hourly labor rates

Air Conditioning Guys  
Company Name

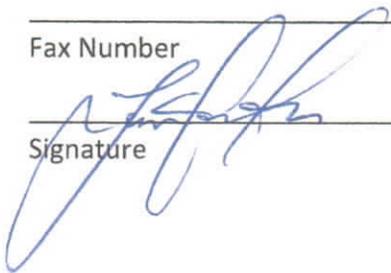
(760) 352-2244  
Telephone Number

Louis Fuentes  
Company Representative (Print Name)

5/28/2020  
Date

1413 W. Main St. El Centre, CA 92241  
Company Address

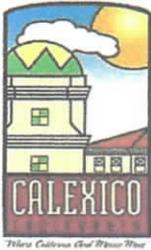
\_\_\_\_\_  
Fax Number

  
Signature

**ATTACHMENT A**

**List of Existing Condensers**

UNIT	MODEL	SITE	LOCATION	TONS
1	15 TON PACK HP 208/230 3PH	Camarena Memorial Library	South area	
2	15 TON PACK HP 208/230 3PH	Camarena Memorial Library	Center area	



# CITY OF CALEXICO

608 Heber Ave.  
Calexico, CA 92231-2840  
Tel: 760.768.2170  
Fax: 760.357.0404  
www.calexico.ca.gov

## Request for Bids Replacement of Air Conditioning/Heater Package Units at Camarena Memorial Library Addendum No. 1 May 14, 2020

This Addendum forms a part of the Contract Documents for the above identified projects and modifies the original request for proposals (RFP) as noted below. Portions of the contract not specifically mentioned in this Addendum, remain in force. All trades affected shall be fully advised of these changes, deletions, and additions.

Notice to Bidder amend as follows:

Replace page 3 with attachment.

General Information amend as follows:

Replace page 4 with attachment.

Please acknowledge receipt of this Addendum by signing and include a copy of the Addendum in your proposal package.

Sincerely,

  
Lizeth Legaspi, Acting Librarian

### ACCEPTANCE OF ADDENDUM

Receipt of the attached ADDENDUM No. 1, is hereby acknowledged by:

Air Conditioning Guys  
Company Name

This the 28<sup>th</sup> day of May, 2020

By: Louis Fuentes

Signature:  Title: President

Viva Calexico!

317 E. 5<sup>th</sup> Street  
Holtville, CA 92250

June 1, 2020

**RE: Camarena Library  
Letter of Transmittal**

City of Calexico  
608 Heber Ave.  
Calexico, CA 92231

Attention Lizeth Legaspi

Dear Ms. Legaspi,

Vic's Air Conditioning and Electrical is pleased to submit our proposal options for replacement of the HVAC units at Camarena Library pursuant to the general specifications detailed in the RFB published by the City and dated May 13, 2020.

Enclosed please find the table of contents, addendum 1, attachment B of the RFB packet, statement of experience, proposal option 1 with equipment specifications, proposal option 2 with equipment specifications, energy cost savings estimates, a sample certificate of insurance, a copy of our CSLB contractor's license, as well as a copy of our City business license.

I have provided two proposal options for consideration. The first of which is for standard efficiency equipment which meets the minimum criteria published in the RFB's scope of work. The second proposal option is for high efficiency equipment which exceeds the RFB's minimum criteria and provides for additional energy savings as well as utility rebates. The standard efficiency equipment is currently available in Texas and could be made available locally within 10 days. The high efficiency equipment would take approximately 4 weeks to receive from the factory in Texas, but as mentioned above would provide the City with greater energy savings and would enable the City to apply for and receive a utility rebate. Both options include all necessary accessories, ductwork, transition curbs and miscellaneous appurtenances required of the project.

Depending on the option selected, and once the equipment is received, Vic's anticipates that the project would require approximately 2 days to complete. Each proposal includes a cost augmentation amount for afterhours and/or weekend work. Should you have any additional questions, please do not hesitate to contact me.

Respectfully,



Robert Turner  
CEO

Vic's Air Conditioning and Electrical

<b>1</b>	Addendum 1
<b>2</b>	RFB Attachment B
<b>3</b>	Statement of Experience
<b>4</b>	Proposal Option1: Standard Efficiency And Submittal Documents
<b>5</b>	Proposal Option 2: High Efficiency And Submittal Documents
<b>6</b>	Energy Savings Calculations
<b>7</b>	Copy of CA Contractors License Card
<b>8</b>	Certificate of Insurance Sample
<b>9</b>	City of Calexico Business License
<b>10</b>	



# CITY OF CALEXICO

608 Heber Ave.  
Calexico, CA 92231-2840  
Tel: 760.768.2170  
Fax: 760.357.0404  
www.calexico.ca.gov

**Request for Bids**  
**Replacement of Air Conditioning/Heater Package Units at Camarena Memorial Library**  
**Addendum No. 1**  
**May 14, 2020**

This Addendum forms a part of the Contract Documents for the above identified projects and modifies the original request for proposals (RFP) as noted below. Portions of the contract not specifically mentioned in this Addendum, remain in force. All trades affected shall be fully advised of these changes, deletions, and additions.

Notice to Bidder amend as follows:

Replace page 3 with attachment.

General Information amend as follows:

Replace page 4 with attachment.

Please acknowledge receipt of this Addendum by signing and include a copy of the Addendum in your proposal package.

Sincerely,

*Lizeth Legaspi*  
Lizeth Legaspi, Acting Librarian

### ACCEPTANCE OF ADDENDUM

Receipt of the attached ADDENDUM No. 1, is hereby acknowledged by:

\_\_\_\_\_  
Company Name

This the 28<sup>th</sup> day of May, 2020

By: Robert TURNER

Signature: *[Signature]* Title: CFD

*Viva Calexico!*

**ATTACHMENT B**

**Bid Response Page**

Bid Date Advertised: May 13, 2020

Bid Date/Time Due: June 2, 2020 at 10:00 a.m.

Name of Bid: Replacement of Air Conditioning/Heater Package Units at Camarena Memorial Library

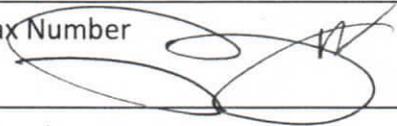
Pricing bids shall include line items for:

- i. Total price to provide, install, and commission units
- ii. Premium rate for after hours/holiday work

Additionally, bids shall include:

- iii. Unit price mark-up for additional equipment and material
- iv. Hourly labor rates

Holtville Air Conditioning and Electrical, Inc  
DBA Vics Air Conditioning and Electrical  
Company Name  
760-356-4018  
Telephone Number  
Robert Turner  
Company Representative (Print Name)  
6/1/2020  
Date

317 E. 5th Street. Holtville, CA 92250  
Company Address  
760-356-1140  
Fax Number  
  
Signature



# Vic's

Air Conditioning • Refrigeration • Sheet Metal  
Commercial • Residential • License 649196

317 East 5th - P.O. Box 815 • Holtville, CA 92250  
(760) 356-4018  
FAX (760) 356-1140

317 E. 5<sup>th</sup> Street  
Holtville, CA 92250

June 1, 2020

**RE: Statement of Experience**

City of Calexico  
608 Heber Ave.  
Calexico, CA 92231

Attention Lizeth Legaspi

Dear Ms. Legaspi,

Vic's Air Conditioning and Electrical is 3<sup>rd</sup> generation, family-owned business with over 69 years of experience providing Heating, Ventilation and Air Conditioning (HVAC) related service to our clients in Imperial County and surrounding areas. Vic's is a licensed HVAC, electrical, refrigeration and sheet metal contractor. As a matter of principle, Vic's is committed to providing our clients with the best experience by delivering honest, professional and dependable service, every time.

Our experience with mechanical systems, installation and service is immense. The industries we regularly serve include utilities, renewable energy, healthcare, banking, education, government, agriculture, industrial manufacturing, commercial and residential segments. Vic's is actively involved in new construction of HVAC and refrigeration systems throughout Southern California. Vic's employs a dedicated staff of 31 individuals and collectively our technicians and installers have several hundred years of direct industry experience. Our HVAC staff have all been fingerprinted, background checked and cleared by the Department of Justice and FBI.

Below please find a sampling of projects in which the scope of work was similar to the Camarena Library project. Please feel free to contact them:

Calexico Unified School District  
Gymnasium HVAC project  
Contact: George Lane- Nielsen Construction  
Contact Number: 619-787-6523

Imperial County Office of Education  
Building A, B and C HVAC projects, IVCEC HVAC retrofit

Contact: Wendy Rangel  
Contact Number: 760-312-6435

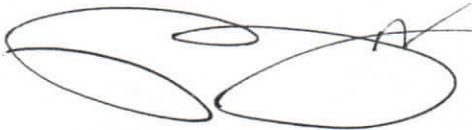
City of El Centro  
Conrad Harrison Youth Gym  
Contact: Marcela Piedra  
Contact Number: 760-337-4543

McCabe Union Elementary School District  
New Gymnasium project  
Contact: Nick Curry  
Contact Number: 760-335-5202

Victor Valley High School  
Gymnasium retrofit  
Contact: Todd Jurgensen  
Contact Number: 760-947-4545

We very much appreciate the opportunity and look forward to possibility of working with City. Should you have additional questions, or require further clarification, please do not hesitate to contact me.

Respectfully,

A handwritten signature in black ink, appearing to be 'Robert Turner', written over a large, loopy scribble.

Robert Turner  
CFO  
Vic's Air Conditioning and Electrical

# PROPOSAL

5318



# Vic's

**Air Conditioning • Refrigeration • Sheet Metal  
Commercial • Residential • License 649196**

317 East 5th - P.O. Box 815 • Holtville, CA 92250  
(760) 356-4018  
FAX (760) 356-1140

TO: City Of Calexico  
608 Heber Ave.  
Calexico 92231

PHONE	DATE 6/1/2020
JOB NAME / LOCATION Camarena Library- Proposal Option 1 Standard Efficiency	
JOB NUMBER	JOB PHONE

We hereby submit specifications and estimates for:

Provide and install (2) Trane 15 ton, 11 eer, 208/230V 3 phase, gas/electric package units. Cost includes new equipment, economizers, curb adapters, ductwork transition, gas pipe transition, electrical disconnect and whip, condensate tie in, crane service, digital programmable thermostats, labor and all miscellaneous material necessary for a complete and professional installation.

Warranty: 5 years on the compressors, 1 year on parts, 1 year on labor.

Price: \$51,315.00

Payment and Performance Bonding if required: add \$1,283.00

Premium Time/Saturday cost if required: add \$1,920.00

Equipment does not qualify for utility rebate.

In the state of California: Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the Registrar of the board whose address is: Contractors' State License Board, 9835 Goethe Road, Sacramento, CA 95827  
Mailing Address: P.O. Box 26000 Sacramento, CA 95826.

**We Propose** hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:  
**Fifty-One Thousand Three Hundred Fifteen and 00/100 Dollars** dollars (\$ **\$51,315.00** ).

Payment to be made as follows:  
**To be determined.**

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized Signature \_\_\_\_\_

Note: This proposal may be withdrawn by us if not accepted within **30** days.

**Acceptance of Proposal** — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature \_\_\_\_\_

Signature \_\_\_\_\_

Date of Acceptance: \_\_\_\_\_

**TRANE**

Job Name: CALEXICO LIBRARY  
 Prepared By:  
 Unit Tag: 15T  
 Quantity: 1

# Trane Voyager Gas/Electric Packaged Rooftop

## Unit Overview - YSD180G3RLA\*\*000000000000000000000000

Application	Unit Size	Supply Fan		External Dimensions (in.)			Operating Weight		EER	IEER/SEER	Elevation
		Airflow	External Static Pressure	Height	Width	Length	Minimum	Maximum			
Gas/Electric	15 Ton	6000 cfm	0.800 in H2O	4.68 ft	7.02 ft	10.14 ft	1838.0 lb	2433.0 lb	11.0 EER	12.20	200.00 ft

### Unit Features

### Unit Electrical

Voltage/phase/hertz	208-230/60/3
MCA	69.00 A
MOP	90.00 A



### Controls

Unit Controls Reliatel

### Cooling Section

Entering Dry Bulb	80.00 F	Capacity	
Entering Wet Bulb	67.00 F	Gross Total	184.07 MBh
Ambient Temp	95.00 F	Gross Sensible	149.21 MBh
Leaving Coil Dry Bulb	56.97 F	Net Total	174.77 MBh
Leaving Coil Wet Bulb	56.97 F	Net Sensible	139.92 MBh
Leaving Unit Dry Bulb	58.67 F	Fan Motor Heat	9.30 MBh
Leaving Unit Wet Bulb	57.63 F	Refrig Charge-circuit 1	9.0 lb
Refrigeration System Options		Refrig Charge-circuit 2	5.0 lb
Leaving Dew Point	57.24 F		

### Heating Section

Heat Type	Gas
Heating Stages	2
Output Heating Capacity	200.00 MBh
Heating EAT	70.00 F
Heating LAT	100.72 F
Heating Temp Rise	30.72 F

### Fan Section

Indoor Fan Data		Outdoor Fan Data	
Type	FC Centrifugal	Type	Propeller
Drive Type	Belt	Fan Quantity	2
Evap Fan FLA	10.60 A	Drive Type	Direct
Indoor Fan Performance		Outdoor Fan Performance	
Airflow	6000 cfm	Outdoor Motor Power	0.89 kW
Design ESP	0.800 in H2O	Condenser Fan FLA	2.70 A
Component SP	0.000 in H2O		
Total SP	0.800 in H2O		
Supply Motor Horsepower	3.000 hp		
Indoor Motor Operating Power	2.95 bhp		
Indoor Motor Power	2.20 kW		
Indoor RPM	648 rpm		

### Compressor Section

Power	13.55 kW
Circuit 1 RLA	29.44 A
Circuit 2 RLA	15.61 A



**TRANE**

Job Name: CALEXICO LIBRARY  
Prepared By:  
Unit Tag: 15T  
Quantity: 1

**Acoustics**

Sound Path	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Ducted Discharge	86 dB	82 dB	75 dB	78 dB	71 dB	69 dB	68 dB	62 dB
Ducted Inlet	91 dB	81 dB	72 dB	69 dB	64 dB	59 dB	58 dB	52 dB
Outdoor Noise	89 dB	97 dB	94 dB	92 dB	89 dB	83 dB	79 dB	75 dB

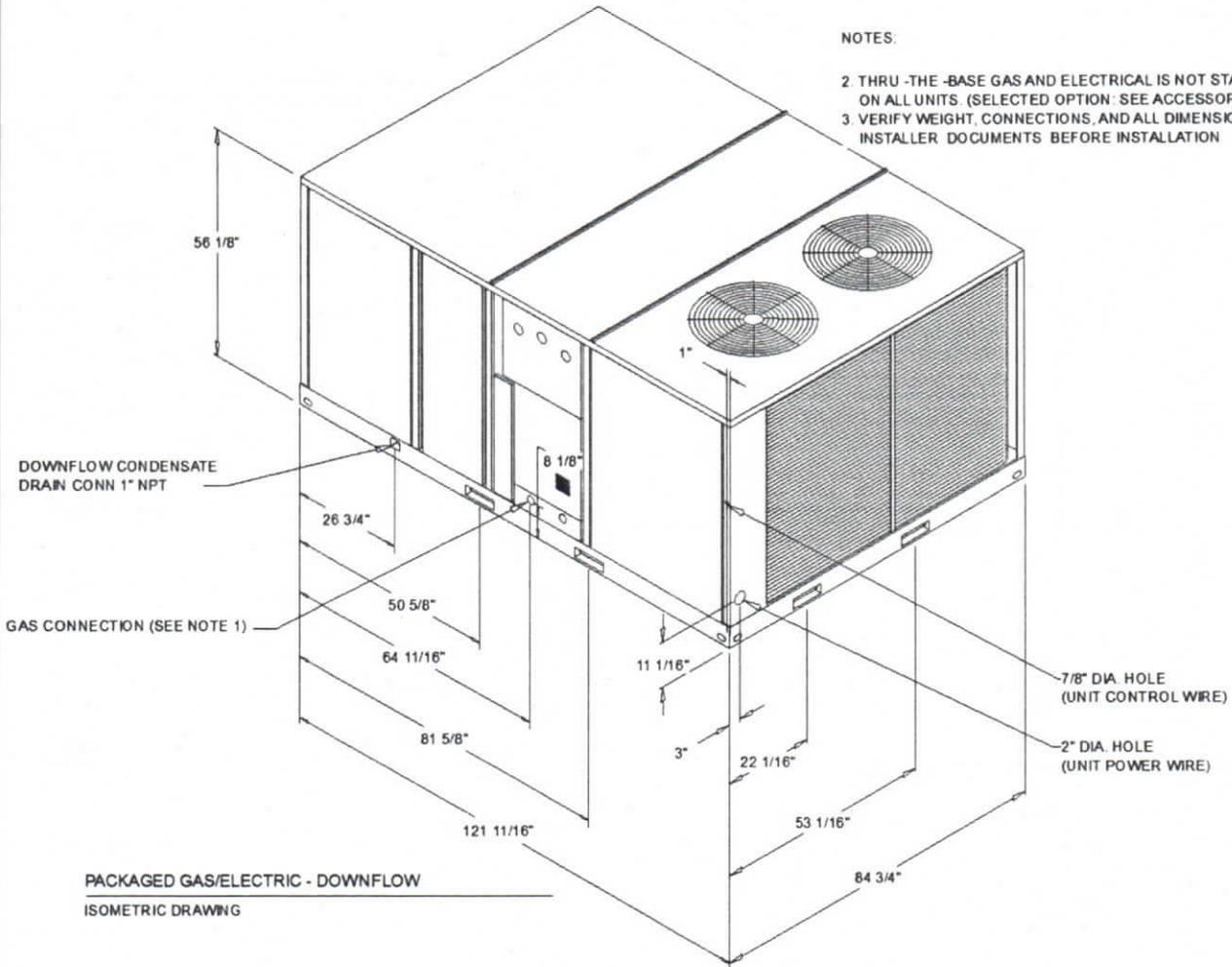


**TRANE**

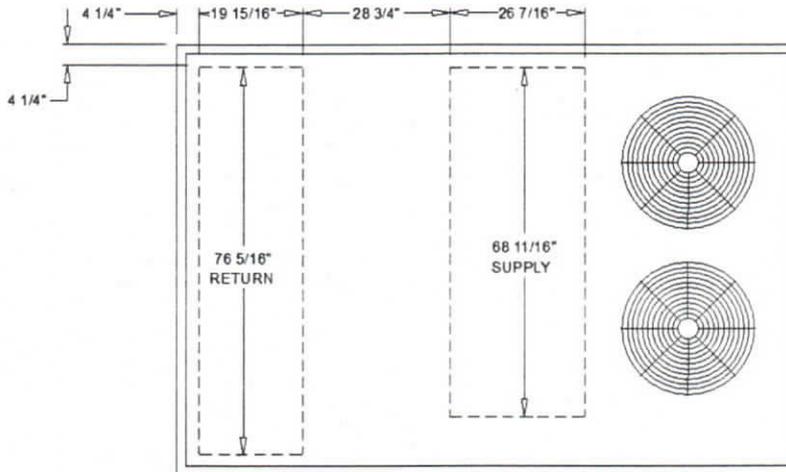
Job Name: CALEXICO LIBRARY  
Prepared By:  
Unit Tag: 151  
Quantity: 1

**NOTES:**

- 2. THRU -THE -BASE GAS AND ELECTRICAL IS NOT STANDARD ON ALL UNITS (SELECTED OPTION - SEE ACCESSORY SHEET)
- 3. VERIFY WEIGHT, CONNECTIONS, AND ALL DIMENSIONS WITH INSTALLER DOCUMENTS BEFORE INSTALLATION



**PACKAGED GAS/ELECTRIC - DOWNFLOW**  
ISOMETRIC DRAWING



**PACKAGED GAS/ELECTRIC - DOWNFLOW**  
PLAN VIEW DRAWING



### ELECTRICAL / GENERAL DATA

GENERAL PERFORMANCE			
Model (Ton):	YSD180G (15.0)	<b>Standard Motor</b> <sup>(1) (3)</sup>	
Unit Operating Voltage Range:	187-253	Minimum Circuit Ampacity:	69.0/69.0
Unit Primary Voltage:	208	Maximum Fuse Size:	90.0/90.0
Unit Secondary Voltage:	230	Maximum (HACR) Circuit Breaker:	90.0/90.0
Unit Hertz:	60	<b>Oversized Motor</b> <sup>(1) (4)</sup>	
Unit Phase:	3	MCA:	N/A
		MFS:	N/A
		MCB (HACR):	N/A
EER: <sup>(5)</sup>	11.0	<b>Field Installed Oversized Motor</b> <sup>(1) (4)</sup>	
		MCA:	N/A
		MFS:	N/A
		MCB (HACR):	N/A

GAS HEATING		COMPRESSOR	
Heating Models:	Low		Circuit(s)
Heating and 1 Stage Input (Btu/h):	250000 / 175000	Number:	2
Heating and 1 Stage Output (Btu/h):	200000 / 140000	Horsepower:	9.2/4.5
Min./Max. Gas Input -		Phase:	3
Pressure Natural or LP:	2.5 / 14.0	Rated Load Amps:	29.4/15.6
Gas Connection Pipe Size:	1/2"	Locked Rotor Amps:	267/110.0

INDOOR MOTOR			
		<b>Oversized Motor</b> <sup>(4)</sup>	
Number: <sup>(3)</sup>	1	Number:	N/A
Horsepower:	3.00	Horsepower:	N/A
Motor Speed (RPM):	1,740	Motor Speed (RPM):	N/A
Phase:	3	Phase:	N/A
Full Load Amps:	10.6	Full Load Amps:	N/A
Locked Rotor Amps:	81.0	Locked Rotor Amps:	N/A
		<b>Field Installed Oversized Motor</b> <sup>(4)</sup>	
		Number:	N/A
		Hp:	N/A
		Motor Speed (RPM):	N/A
		Phase:	N/A
		FLA:	N/A
		LRA:	N/A

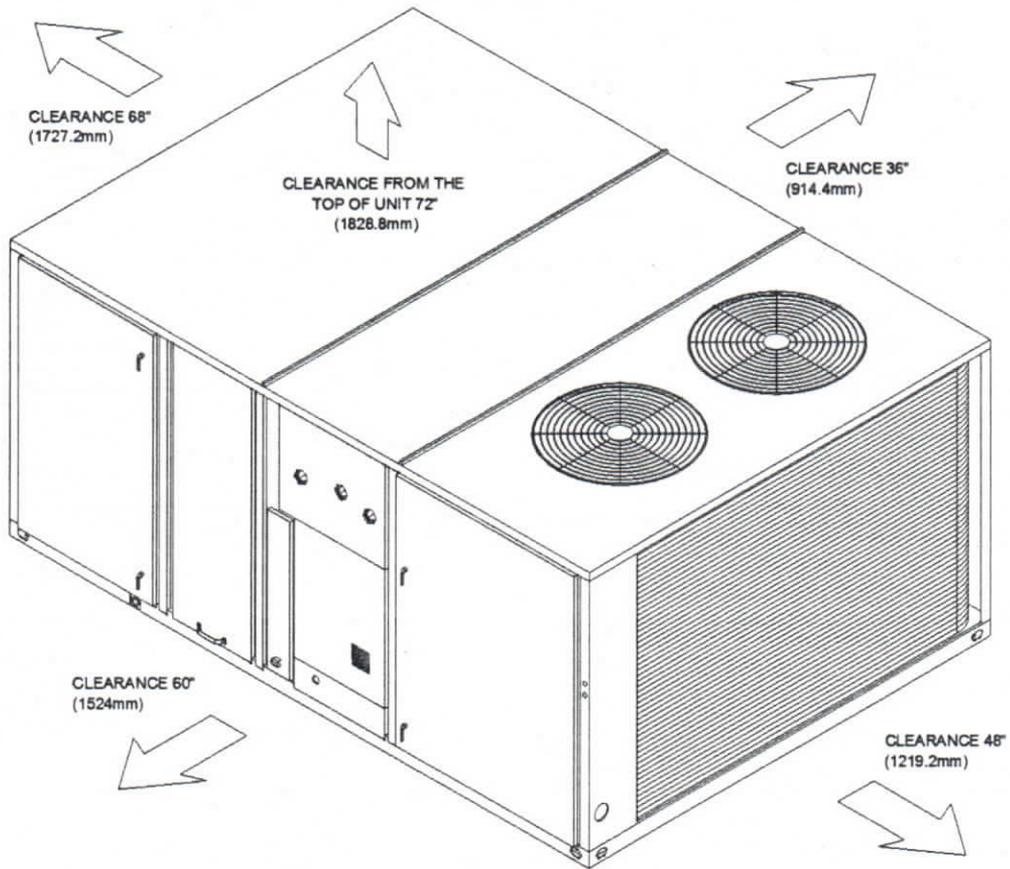
OUTDOOR MOTOR		POWER EXHAUST (Field Installed Power Exhaust)		COMBUSTION BLOWER MOTOR (Gas-Fired Heating only)	
Number:	2	Horsepower:	N/A	Horsepower:	0.1
Horsepower:	0.50	Motor Speed (RPM):	N/A	Motor Speed (RPM):	3,500/2,800
Motor speed (RPM):	1,100	Phase:	N/A	Phase:	1
Phase:	3	Full Load Amps:	N/A	Full Load Amps:	0.8
Full Load Amps:	2.73	Locked Rotor Amps:	N/A	Locked Rotor Amps:	2.00
Locked Rotor Amps:	9.65				

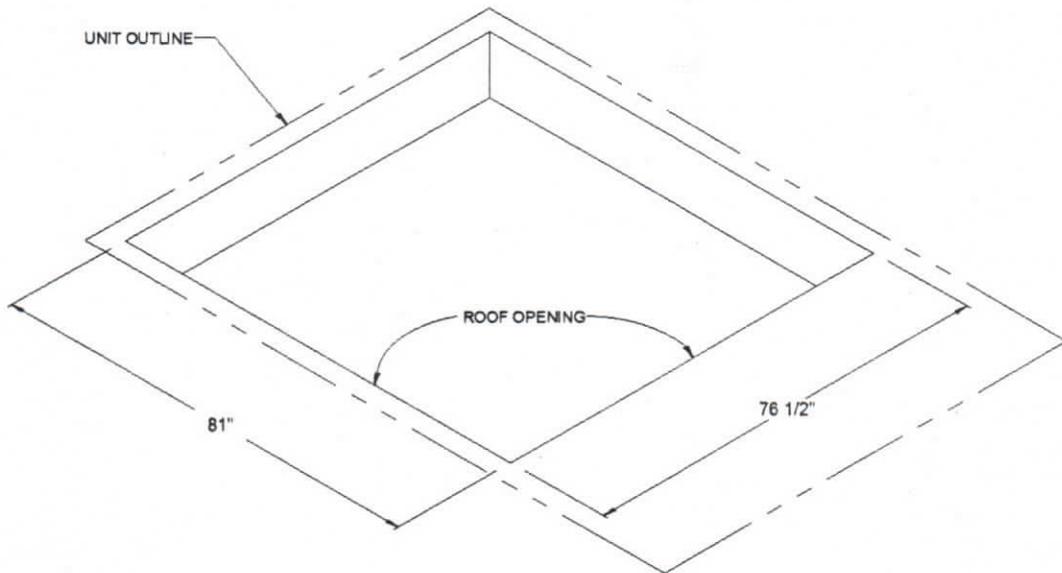
FILTER		REFRIGERANT <sup>(2)</sup>	
Type:	Throwaway		Circuit #1 / 2
Furnished:	Yes	Type:	R410
Number:	4 / 4	Factory Charge:	
Recommended Size:	20"x20"x2" / 20"x25"x2"	Circuit #1 / 2:	9.0 lb / 5.0 lb

NOTES:

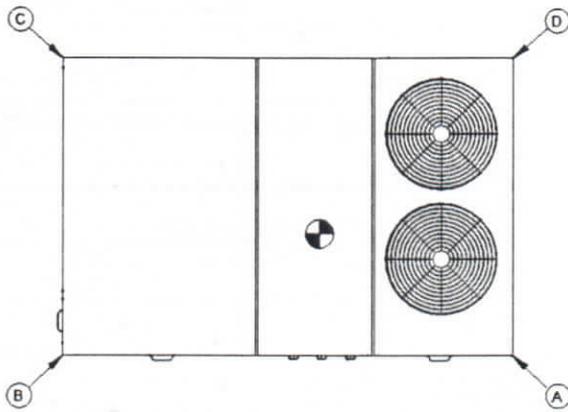
1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value includes oversized motor.
4. Value does not include Power Exhaust Accessory.
5. EER is rated at AHRI conditions and in accordance with DOE test procedures.



DOWNFLOW-PACKAGED GAS/ELECTRIC CLEARANCE



DOWNFLOW-PACKAGED GAS/ELECTRIC ROOF OPENING CLEARANCE



CORNER WEIGHT

Base Unit and Corner Weights only

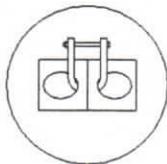
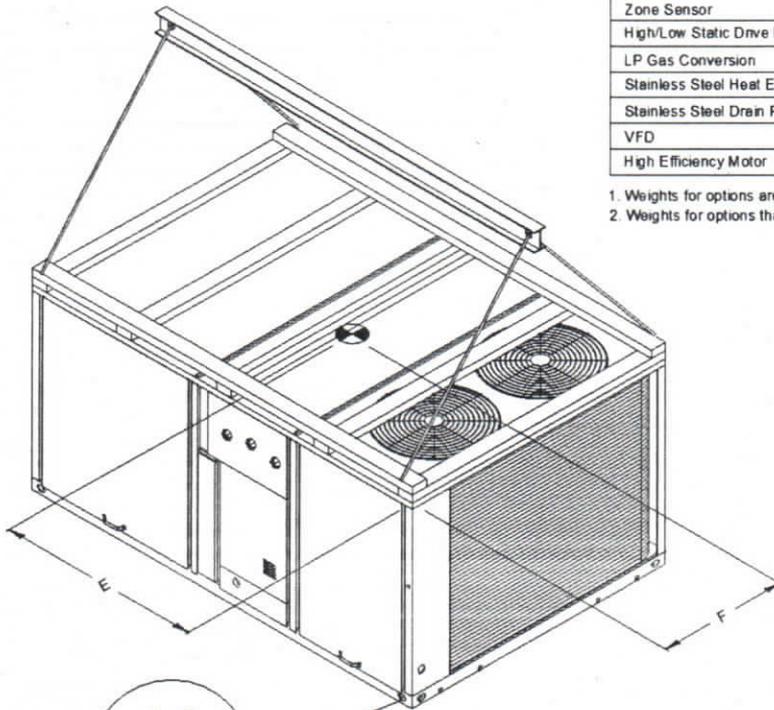
Base unit weights		Corner Weights				Center of Gravity	
SHIPPING	NET	(A)	(B)	(C)	(D)	E	F
2269.0 lb	1838"	595.0 lb	497.0 lb	355.0 lb	390.0 lb	45"	34"

1. All weights are approximate.
2. The actual weight are listed on the unit nameplate.
3. Refer to unit nameplate and installation guide for weights before scheduling transportation and installation of unit.
4. The weight shown represents the typical unit operating weight for the configuration selected. Estimated at +/- 10 % of the nameplate weight.
5. Verify weight, connection, and all dimension with installer documents before installation.
6. Corner weights are given for information only.
7. Net/Shipping weight of optional accessories should be added to unit weight when ordering factory or field installed accessories.

Installed Options Net Weight Data

Accessory	Weight
Economizer, Manual and Motorized Outside Air Damper	
Power Exhaust	
Roof Curb	
Oversized Motor	
Hail Guard	
Hinged Access Doors	
Power Conv. Outlet	
Through the Base Electrical	
Circuit Breaker	
Disconnect	
Smoke Detector	
Novar	
Zone Sensor	
High/Low Static Drive Kit	
LP Gas Conversion	
Stainless Steel Heat Exchanger	
Stainless Steel Drain Pan	
VFD	
High Efficiency Motor	

1. Weights for options are approximate.
2. Weights for options that are not list refer to installation guide.



PACKAGED GAS/ELECTRIC  
RIGGING AND CENTER OF GRAVITY

**General - Downflow**

The units shall be dedicated downflow airflow. The operating range shall be between 115°F and 0°F in cooling as standard from the factory for all units. Cooling performance shall be rated in accordance with ARI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to check cooling operation, fan and blower rotation and control sequence, before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be UL listed and labeled, classified in accordance to UL 1995/C 22.2, 236-05 3rd Edition.

Packaged Rooftop units cooling, heating capacities, and efficiencies are AHRI certified within scope of AHRI Standard 340/360 (I-P) and ANSIZ21.47 and 10 CFR Part 431 pertaining to Commercial Warm Air Furnaces (gas heating units).

**Casing - Downflow**

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 672 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit. In order to ensure a water and air tight seal, service panels shall have lifting handles and no more than three screws to remove. All exposed vertical panels and top covers in the indoor air section shall be insulated with a 1/2 inch, 1 pound density foil-faced, fire-resistant, permanent, odorless, glass fiber material. The base of the downflow unit shall be insulated with 1/2 inch, 1 pound density foil-faced, closed-cell material. The downflow unit's base pan shall have no penetrations within the perimeter of the curb other than the raised 11/8 inch high supply/return openings to provide an added water integrity precaution, if the condensate drain backs up. The base of the unit shall have provisions for forklift and crane lifting.

**Unit Top**

The top cover shall be one piece, or where seams exist, double hemmed and gasket sealed to prevent water leakage.

**Filters**

Two inch standard filters shall be factory supplied on all units

**Compressors**

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of nameplate voltage. Internal overloads shall be provided with the scroll compressors. All models shall have crankcase heaters, phase monitors and low and high pressure control as standard. Dual compressors are available on all standard efficiency models and 12.5 to 20 tons high efficiency models and allow for efficient cooling utilizing 3 stages of compressor operation (high efficiency models only). 25 tons high efficiency units have 3 compressors for up to 4 stages of compressor operation.

**Crankcase Heaters**

These band heaters provide improved compressor reliability by warming the oil to prevent migration during off-cycles or low ambient conditions.

**Refrigerant Circuits**

Each refrigerant circuit shall have service pressure ports, and refrigerant line filter driers factory installed as standard. An area shall be provided for replacement suction line driers.

**Evaporator and Condenser Coils**

Evaporator Coils (only on T/YS\*150, 180, 210, 240, 300G models)-

Microchannel evaporator coils will be burst tested by the manufacturer. Internally finned, 5/16" copper tubes mechanically bonded to a configured aluminum plate fin shall be standard for evaporator coils. Coils shall be leak tested to ensure the pressure integrity. The evaporator coil shall be leak tested to 225 psig and pressure tested to 450 psig.

Condenser Coils (available on T/Y\*\*150, 180, 210, 240, 300G models) - Microchannel condenser coils shall be standard on all units. Coils shall be leak tested to ensure the pressure integrity. The condenser coil shall be leak tested to 225 psig and pressure tested to 450 psig.

**Gas Heating Section**



The heating section shall have a drum and tube heat exchanger design using corrosion resistant steel components. A forced combustion blower shall supply premixed fuel to a single burner ignited by a pilotless hot surface ignition system.

In order to provide reliable operation, a negative pressure gas valve shall be used on standard furnaces and a pressure switch on furnaces with modulating heat that requires blower operation to initiate gas flow. On an initial call for heat, the combustion blower shall purge the heat exchanger 45 seconds before ignition.

After three unsuccessful ignition attempts, the entire heating system shall be locked out until manually reset at the thermostat. Units shall be suitable for use with natural gas shall also comply with California requirements for low NOx emissions.

### **Condenser Coil**

The microchannel type condenser coil is standard for the standard efficiency models. Due to flat streamlined tubes with small ports, and metallurgical tube-to-fin bond, microchannel coil has better heat transfer performance. Microchannel condenser coil can reduce system refrigerant charge by up to 50% because of smaller internal volume, which leads to better compressor reliability. Compact all-aluminum microchannel coils also help to reduce the unit weight. All-aluminum construction improves re-cyclability. Galvanic corrosion is also minimized due to all aluminum construction. Strong aluminum brazed structure provides better fin protection. In addition, flat streamlined tubes also make microchannel coils more dust resistant and easier to clean. Coils shall be leak tested at the factory to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 600 psig. The assembled unit shall be leak tested to 465 psig.

### **Outdoor Fans**

The outdoor fan shall be direct-drive, statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor(s) shall be permanently lubricated and shall have built-in thermal overload protection.

### **Indoor Fan**

Units above shall have belt driven, FC centrifugal fans with adjustable motor sheaves. Units with standard motors shall have an adjustable idler-arm assembly for quick-adjustment of fan belts and motor sheaves. All motors shall be thermally protected. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).

### **Controls**

Unit shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Unit shall provide an external location for mounting a fused disconnect device. ReliaTel controls shall be provided for all 24 volt control functions. The resident control algorithms shall make all heating, cooling, and/or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized control shall provide anti-short cycle timing and time delay between compressors to provide a higher level of machine protection.

### **High Pressure Cutout**

This option is offered for units that do not have High Pressure cutout as standard.

### **Discharge Line Thermostat**

A bi-metal element discharge line thermostat is installed as a standard option on the discharge line of each system. This standard option provides extra protection to the compressors against high discharge temperatures in case of loss of charge, extremely high ambient and other conditions which could drive the discharge temperature higher. Discharge line thermostat is wired in series with high pressure control. When the discharge temperature rises above the protection limit, the bi-metal disc in the thermostat switches to the off position, opening the 24 VAC circuit. When the temperature on the discharge line cools down, the bi-metal disc closes the contactor circuit, providing power to the compressor. When the thermostat opens the fourth time, the ReliaTel control must be manually reset to resume operation on that stage.

### **Sequence of Operation (if applied in a SINGLE-ZONE CONSTANT-VOLUME SYSTEM or a CHANGEVER BYPASS SYSTEM)**

**B. SINGLE-ZONE CONSTANT-VOLUME SYSTEM****1. OCCUPIED HEAT/COOL:**

The RTU shall operate the supply fan continuously and modulate (or cycle) compressors, modulate (or stage) heat, and/or enable airside economizing to maintain zone temperature at setpoint. The OA damper shall open to bring in the required amount of ventilation.

**2. MORNING WARM-UP/PRE-COOL:**

The RTU shall operate the supply fan and modulate (or cycle) compressors or modulate (or stage) heat to raise/lower zone temperature to its occupied setpoint. The OA damper shall remain closed, unless economizing.

**D. CHANGEOVER BYPASS SYSTEM****1. OCCUPIED HEAT/COOL:**

Each VAV terminal shall use pressure-independent control, with airflow measurement, to vary primary airflow to maintain zone temperature at its occupied setpoint. The RTU shall modulate the bypass damper to maintain duct static pressure at setpoint and modulate (or cycle) compressors, modulate (or stage) heat, and/or enable airside economizing based on current zone cooling/heating demands. The OA damper shall open to bring in the required amount of ventilation.

**2. MORNING WARM-UP/PRE-COOL:**

Each VAV terminal unit shall vary primary airflow to raise/lower zone temperature to its occupied setpoint. The RTU shall modulate the bypass damper to maintain duct static pressure at setpoint and modulate (or cycle) compressors or modulate (or stage) heat based on current zone cooling/heating demands. The OA damper shall remain closed, unless economizing.

**3. COOLING/HEATING CHANGEOVER LOGIC:**

The System Controller shall determine the overall system cooling/heating mode based on "voting" from each zone. When the majority of zones require cooling, the RTU shall operate in cooling mode and any zone that requires heating shall reduce primary airflow to minimum. When the majority of zones require heating, the RTU shall operate in heating mode and any zone that requires cooling shall reduce primary airflow to minimum.

# PROPOSAL

5319



# Vic's

**Air Conditioning • Refrigeration • Sheet Metal  
Commercial • Residential • License 649196**

317 East 5th - P.O. Box 815 • Holtville, CA 92250  
(760) 356-4018  
FAX (760) 356-1140

TO: City Of Calexico  
608 Heber Ave.  
Calexico 92231

PHONE	DATE 6/1/2020
JOB NAME / LOCATION Camarena Library- Proposal Option 2 High Efficiency	
JOB NUMBER	JOB PHONE

We hereby submit specifications and estimates for:

Provide and install (2) Trane 15 ton, 12.1 eer, 208/230V 3 phase, gas/electric package units. Cost includes new equipment, economizers, curb adapters, ductwork transition, gas pipe transition, electrical disconnect and whip, condensate tie in, crane service, digital programmable thermostats, labor and all miscellaneous material necessary for a complete and professional installation.

Warranty: 5 years on the compressors, 1 year on parts, 1 year on labor.

Price: \$56,410.00

Payment and Performance Bonding if required: add \$1,411.00

Premium Time/Saturday cost if required: add \$1,920.00

Approximate IID rebate: \$2,250.00

In the state of California: Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the Registrar of the board whose address is: Contractors' State License Board, 9835 Goethe Road, Sacramento, CA 95827  
Mailing Address: P.O. Box 26000 Sacramento, CA 95826.

**We Propose** hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:  
**Fifty-Six Thousand Four Hundred Ten and 00/100 Dollars** dollars (\$ **\$56,410.00** ).

Payment to be made as follows:  
**To be determined**

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized Signature \_\_\_\_\_

Note: This proposal may be withdrawn by us if not accepted within **30** days.

**Acceptance of Proposal** — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature \_\_\_\_\_

Signature \_\_\_\_\_

Date of Acceptance: \_\_\_\_\_



**TRANE**

Job Name: CALEXICO LIBRARY  
Prepared By:  
Unit Tag: 15T HE  
Quantity: 1

# Trane Voyager Gas/Electric Packaged Rooftop

## Unit Overview - YHD180G3RLB\*\*000000000000000000000000

Application	Unit Size	Supply Fan		External Dimensions (in.)			Operating Weight		EER	IEER/SEER	Elevation
		Airflow	External Static Pressure	Height	Width	Length	Minimum	Maximum			
Gas/Electric	15 Ton	6000 cfm	0.800 in H2O	5.52 ft	7.02 ft	10.14 ft	2222.0 lb	2663.0 lb	12.1 EER	14.00	200.00 ft

### Unit Features

### Unit Electrical

Voltage/phase/hertz	208-230/60/3
MCA	68.00 A
MOP	90.00 A



### Controls

Unit Controls Reliatel

### Cooling Section

	Capacity
Entering Dry Bulb 80.00 F	Gross Total 180.52 MBh
Entering Wet Bulb 67.00 F	Gross Sensible 142.17 MBh
Ambient Temp 95.00 F	Net Total 173.14 MBh
Leaving Coil Dry Bulb 58.06 F	Net Sensible 134.78 MBh
Leaving Coil Wet Bulb 57.35 F	Fan Motor Heat 7.38 MBh
Leaving Unit Dry Bulb 59.42 F	Refrig Charge-circuit 1 13.0 lb
Leaving Unit Wet Bulb 57.87 F	Refrig Charge-circuit 2 8.5 lb
Refrigeration System Options	
Leaving Dew Point 56.91 F	

### Heating Section

Heat Type	Gas
Heating Stages	2
Output Heating Capacity	200.00 MBh
Heating EAT	70.00 F
Heating LAT	100.72 F
Heating Temp Rise	30.72 F

### Fan Section

Indoor Fan Data	Outdoor Fan Data
Type FC Centrifugal	Type Propeller
Drive Type Belt	Fan Quantity 2
Evap Fan FLA 10.60 A	Drive Type Direct
Indoor Fan Performance	Outdoor Fan Performance
Airflow 6000 cfm	Outdoor Motor Power 0.89 kW
Design ESP 0.800 in H2O	Condenser Fan FLA 2.70 A
Component SP 0.000 in H2O	
Total SP 0.800 in H2O	
Supply Motor Horsepower 3.000 hp	
Indoor Motor Operating Power 2.34 bhp	
Indoor Motor Power 1.75 kW	
Indoor RPM 652 rpm	

### Compressor Section

Power	12.28 kW
Circuit 1 RLA	28.30 A
Circuit 2 RLA	15.90 A



**TRANE**

Job Name: CALEXICO LIBRARY  
Prepared By:  
Unit Tag: 15T HE  
Quantity: 1

**Acoustics**

Sound Path	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Ducted Discharge	86 dB	82 dB	75 dB	78 dB	71 dB	69 dB	68 dB	62 dB
Ducted Inlet	91 dB	81 dB	72 dB	69 dB	64 dB	59 dB	58 dB	52 dB
Outdoor Noise	89 dB	97 dB	94 dB	92 dB	89 dB	83 dB	79 dB	75 dB

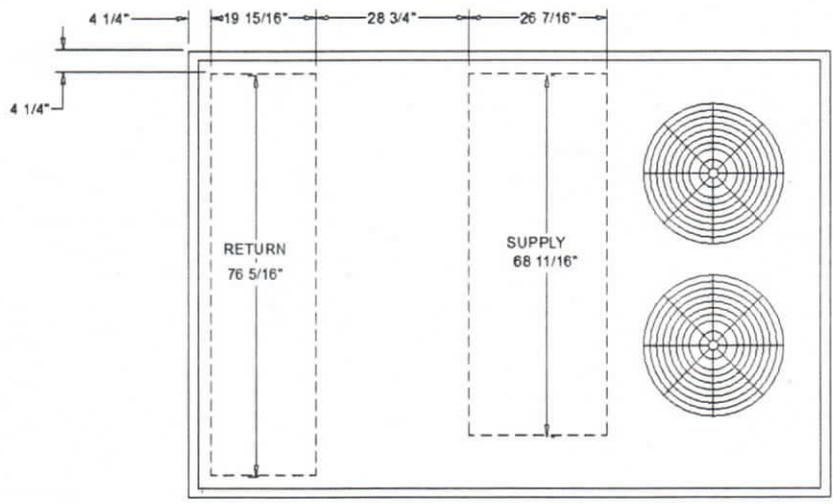
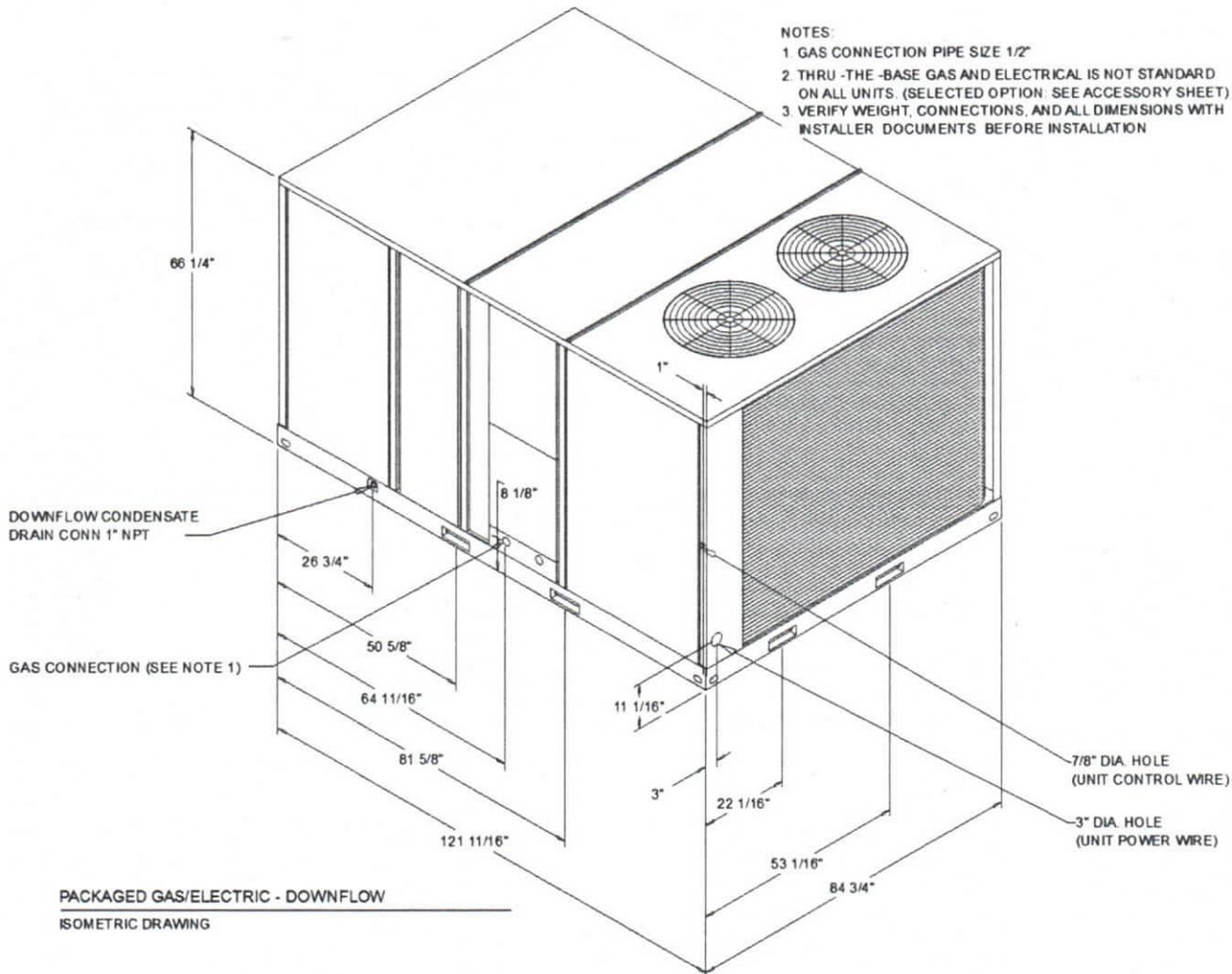


**TRANE**

Job Name: CALEXICO LIBRARY  
Prepared By:  
Unit Tag: 15T HE  
Quantity: 1

**NOTES:**

- 1 GAS CONNECTION PIPE SIZE 1/2"
- 2 THRU - THE - BASE GAS AND ELECTRICAL IS NOT STANDARD ON ALL UNITS. (SELECTED OPTION. SEE ACCESSORY SHEET)
- 3 VERIFY WEIGHT, CONNECTIONS, AND ALL DIMENSIONS WITH INSTALLER DOCUMENTS BEFORE INSTALLATION



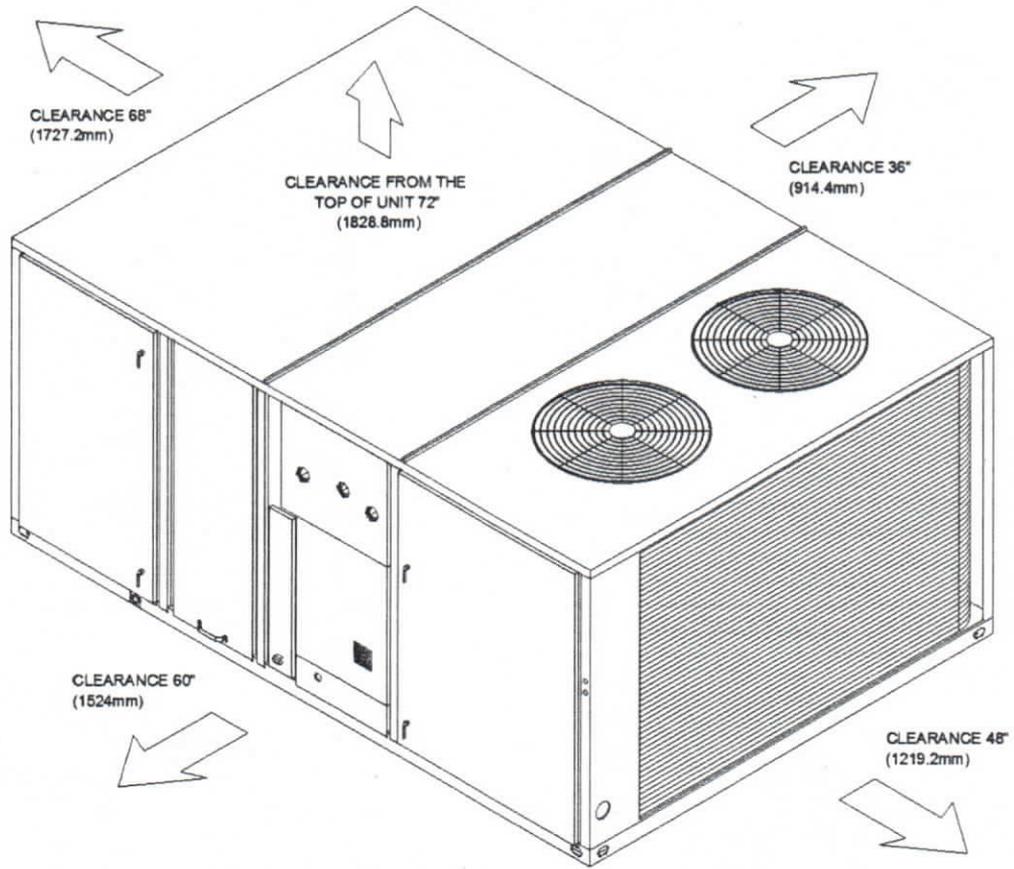


### ELECTRICAL / GENERAL DATA

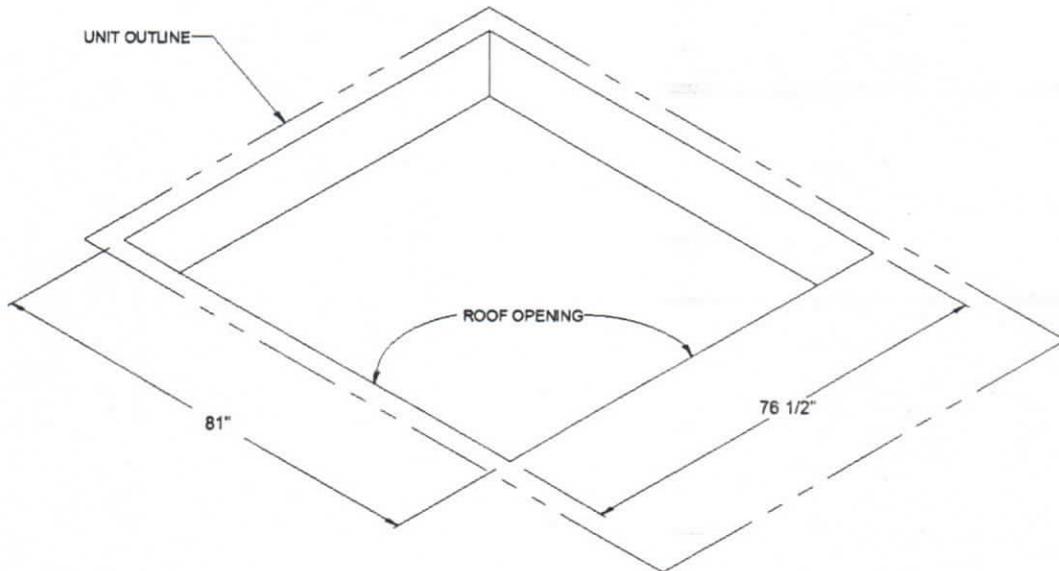
<b>GENERAL PERFORMANCE</b>		<b>Standard Motor (1)(3)</b>		<b>Accessory Oversized Motor (1)(4)</b>	
Model (Ton):	YHD180G (15.0)	Minimum Circuit Ampacity:	68.0/68.0	Minimum Circuit Ampacity:	
Unit Operating Voltage Range:	187-253	Maximum Fuse Size:	90.0/90.0	Maximum Fuse Size:	
Unit Primary Voltage:	208	Maximum (HACR) Circuit Breaker:	90.0/90.0	Maximum (HACR) Circuit Breaker:	
Unit Secondary Voltage:	230				
Unit Hertz:	60	<b>Standard Oversized Motor (1)(4)</b>			
Unit Phase:	3	Minimum Circuit Ampacity:		Minimum Circuit Ampacity:	
EER (5)	12.0	Maximum Fuse Size:		Maximum Fuse Size:	
		Maximum (HACR) Circuit Breaker:		Maximum (HACR) Circuit Breaker:	
<b>GAS HEATING</b>			<b>COMPRESSOR</b>		
Heating Models:	Low		Circuit(s)		
Heating and 1 Stage Input (Btu/h):	250000 / 175000		Number:	2	
Heating and 1 Stage Output (Btu/h):	200000 / 140000		Horsepower:	7.5/4.75	
Min./Max. Gas Input -			Phase:	3	
Pressure Natural or LP (in w.c.):	2.5 / 14.0		Rated Load Amps:	28.3/15.9	
Gas Connection Pipe Size:	1/2"		Locked Rotor Amps:	240.0/110.0	
<b>INDOOR MOTOR</b>			<b>Standard Oversized Motor (4)</b>		
<b>Standard Motor</b>			<b>Accessory Oversized Motor (4)</b>		
Number (3)	1	Number:		Number:	
Horsepower:	3.0	Horsepower:		Horsepower:	
Motor Speed (RPM):	1,740	Motor Speed (RPM):		Motor Speed (RPM):	
Phase:	3	Phase:		Phase:	
Full Load Amps:	10.6	Full Load Amps:		Full Load Amps:	
Locked Rotor Amps:	81.0	Locked Rotor Amps:		Locked Rotor Amps:	
<b>OUTDOOR MOTOR</b>		<b>POWER EXHAUST</b> (Field Installed Power Exhaust)		<b>COMBUSTION BLOWER MOTOR</b> (Gas-Fired Heating only)	
Number:	2	Horsepower:	N/A	Horsepower:	0.1
Horsepower:	0.5	Motor Speed (RPM):	N/A	Motor Speed (RPM):	3500/2800
Motor speed (RPM):	1,100	Phase:	N/A	Phase:	1
Phase:	3	Full Load Amps:	N/A	Full Load Amps:	0.8
Full Load Amps:	2.7	Locked Rotor Amps:	N/A	Locked Rotor Amps:	2.00
Locked Rotor Amps:	9.65				
<b>FILTER</b>		<b>REFRIGERANT (2)</b>			
Type:	Throwaway		Circuit #1 / 2		
Furnished:	Yes	Type:	R-410		
Number:	8/4	Factory Charge			
Recommended Size:	20"x20"x2" / 20"x16"x2"	Circuit #1 / 2:	13.0 lb / 8.5 lb		

**NOTES:**

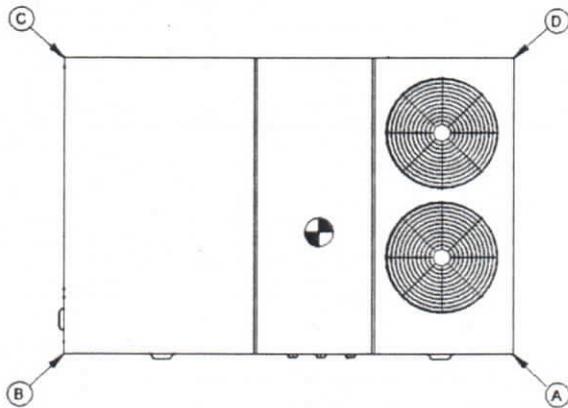
1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value include Standard Motor.
4. Value include Oversized Motor.
5. EER is rated at AHRI conditions and in accordance with DOE test procedures.



DOWNFLOW-PACKAGED GAS/ELECTRIC CLEARANCE



DOWNFLOW-PACKAGED GAS/ELECTRIC ROOF OPENING CLEARANCE



CORNER WEIGHT

**Base Unit and Corner Weights only**

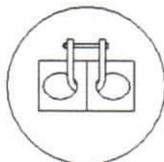
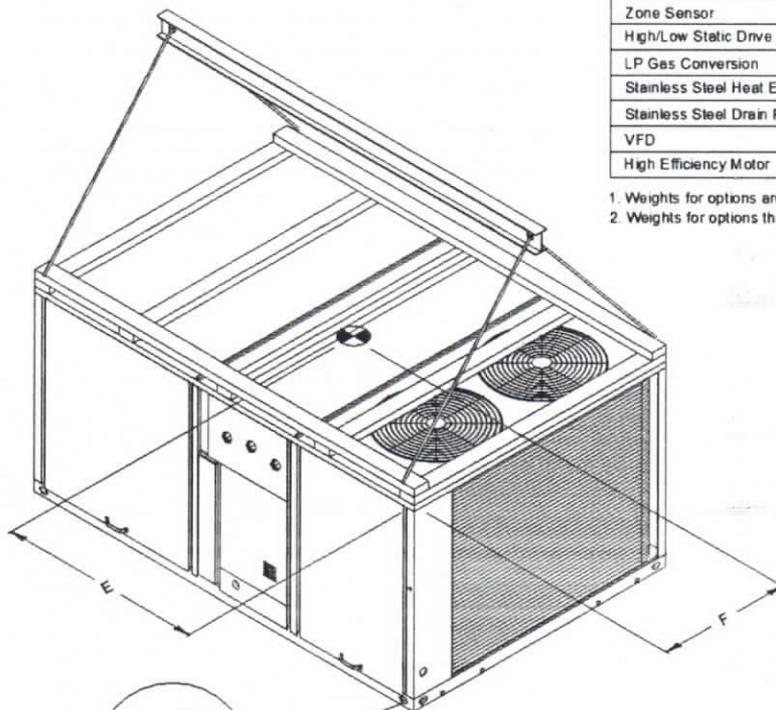
Base unit weights		Corner Weights				Center of Gravity	
SHIPPING	NET	(A)	(B)	(C)	(D)	E	F
2665.0 lb	2222.0 lb	665.0 lb	602.0 lb	453.0 lb	503.0 lb	51"	36"

1. All weights are approximate.
2. The actual weight are listed on the unit nameplate.
3. Refer to unit nameplate and installation guide for weights before scheduling transportation and installation of unit.
4. The weight shown represents the typical unit operating weight for the configuration selected. Estimated at +/- 10 % of the nameplate weight.
5. Verify weight, connection, and all dimension with installer documents before installation.
6. Corner weights are given for information only.
7. Net/Shipping weight of optional accessories should be added to unit weight when ordering factory or field installed accessories.

**Installed Options Net Weight Data**

Accessory	Weight
Economizer, Manual and Motorized Outside Air Damper	
Power Exhaust	
Roof Curb	
Oversized Motor	
Hail Guard	
Hinged Access Doors	
Power Conv. Outlet	
Through the Base Electrical	
Circuit Breaker	
Disconnect	
Smoke Detector	
Novar	
Zone Sensor	
High/Low Static Drive Kit	
LP Gas Conversion	
Stainless Steel Heat Exchanger	
Stainless Steel Drain Pan	
VFD	
High Efficiency Motor	

1. Weights for options are approximate.
2. Weights for options that are not list refer to installation guide.



**PACKAGED GAS/ELECTRIC  
RIGGING AND CENTER OF GRAVITY**



### **General - Downflow**

The units shall be dedicated downflow airflow. The operating range shall be between 115°F and 0°F in cooling as standard from the factory for all units. Cooling performance shall be rated in accordance with ARI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to check cooling operation, fan and blower rotation and control sequence, before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be UL listed and labeled, classified in accordance to UL 1995/C 22.2, 236-05 3rd Edition.

Packaged Rooftop units cooling, heating capacities, and efficiencies are AHRI certified within scope of AHRI Standard 340/360 (I-P) and ANSIZ21.47 and 10 CFR Part 431 pertaining to Commercial Warm Air Furnaces (gas heating units).

### **Casing - Downflow**

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 672 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit. In order to ensure a water and air tight seal, service panels shall have lifting handles and no more than three screws to remove. All exposed vertical panels and top covers in the indoor air section shall be insulated with a 1/2 inch, 1 pound density foil-faced, fire-resistant, permanent, odorless, glass fiber material. The base of the downflow unit shall be insulated with 1/2 inch, 1 pound density foil-faced, closed-cell material. The downflow unit's base pan shall have no penetrations within the perimeter of the curb other than the raised 11/8 inch high supply/return openings to provide an added water integrity precaution, if the condensate drain backs up. The base of the unit shall have provisions for forklift and crane lifting.

### **Unit Top**

The top cover shall be one piece, or where seams exist, double hemmed and gasket sealed to prevent water leakage.

### **Filters**

Two inch standard filters shall be factory supplied on all units

### **Compressors**

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of nameplate voltage. Internal overloads shall be provided with the scroll compressors. All models shall have crankcase heaters, phase monitors and low and high pressure control as standard. Dual compressors are available on all standard efficiency models and 12.5 to 20 tons high efficiency models and allow for efficient cooling utilizing 3 stages of compressor operation (high efficiency models only). 25 tons high efficiency units have 3 compressors for up to 4 stages of compressor operation.

### **Crankcase Heaters**

These band heaters provide improved compressor reliability by warming the oil to prevent migration during off-cycles or low ambient conditions.

### **Refrigerant Circuits**

Each refrigerant circuit shall have service pressure ports, and refrigerant line filter driers factory installed as standard. An area shall be provided for replacement suction line driers.

### **Evaporator and Condenser Coils**

Evaporator Coils (only on T/YS\*150, 180, 210, 240, 300G models)-

Microchannel evaporator coils will be burst tested by the manufacturer. Internally finned, 5/16" copper tubes mechanically bonded to a configured aluminum plate fin shall be standard for evaporator coils. Coils shall be leak tested to ensure the pressure integrity. The evaporator coil shall be leak tested to 225 psig and pressure tested to 450 psig.

Condenser Coils (available on T/Y\*\*150, 180, 210, 240, 300G models) - Microchannel condenser coils shall be standard on all units. Coils shall be leak tested to ensure the pressure integrity. The condenser coil shall be leak tested to 225 psig and pressure tested to 450 psig.

### **Gas Heating Section**



The heating section shall have a drum and tube heat exchanger design using corrosion resistant steel components. A forced combustion blower shall supply premixed fuel to a single burner ignited by a pilotless hot surface ignition system.

In order to provide reliable operation, a negative pressure gas valve shall be used on standard furnaces and a pressure switch on furnaces with modulating heat that requires blower operation to initiate gas flow. On an initial call for heat, the combustion blower shall purge the heat exchanger 45 seconds before ignition.

After three unsuccessful ignition attempts, the entire heating system shall be locked out until manually reset at the thermostat. Units shall be suitable for use with natural gas shall also comply with California requirements for low NOx emissions.

### **Condenser Coil**

The microchannel type condenser coil is standard for the standard efficiency models. Due to flat streamlined tubes with small ports, and metallurgical tube-to-fin bond, microchannel coil has better heat transfer performance. Microchannel condenser coil can reduce system refrigerant charge by up to 50% because of smaller internal volume, which leads to better compressor reliability. Compact all-aluminum microchannel coils also help to reduce the unit weight. All-aluminum construction improves re-cyclability. Galvanic corrosion is also minimized due to all aluminum construction. Strong aluminum brazed structure provides better fin protection. In addition, flat streamlined tubes also make microchannel coils more dust resistant and easier to clean. Coils shall be leak tested at the factory to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 600 psig. The assembled unit shall be leak tested to 465 psig.

### **Outdoor Fans**

The outdoor fan shall be direct-drive, statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor(s) shall be permanently lubricated and shall have built-in thermal overload protection.

### **Indoor Fan**

Units above shall have belt driven, FC centrifugal fans with adjustable motor sheaves. Units with standard motors shall have an adjustable idler-arm assembly for quick-adjustment of fan belts and motor sheaves. All motors shall be thermally protected. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).

### **Controls**

Unit shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Unit shall provide an external location for mounting a fused disconnect device. ReliaTel controls shall be provided for all 24 volt control functions. The resident control algorithms shall make all heating, cooling, and/or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized control shall provide anti-short cycle timing and time delay between compressors to provide a higher level of machine protection.

### **High Pressure Cutout**

This option is offered for units that do not have High Pressure cutout as standard.

### **Discharge Line Thermostat**

A bi-metal element discharge line thermostat is installed as a standard option on the discharge line of each system. This standard option provides extra protection to the compressors against high discharge temperatures in case of loss of charge, extremely high ambient and other conditions which could drive the discharge temperature higher. Discharge line thermostat is wired in series with high pressure control. When the discharge temperature rises above the protection limit, the bi-metal disc in the thermostat switches to the off position, opening the 24 VAC circuit. When the temperature on the discharge line cools down, the bi-metal disc closes the contactor circuit, providing power to the compressor. When the thermostat opens the fourth time, the ReliaTel control must be manually reset to resume operation on that stage.

### **Sequence of Operation (if applied in a SINGLE-ZONE CONSTANT-VOLUME SYSTEM or a CHANGEOVER BYPASS SYSTEM)**

**B. SINGLE-ZONE CONSTANT-VOLUME SYSTEM****1. OCCUPIED HEAT/COOL:**

The RTU shall operate the supply fan continuously and modulate (or cycle) compressors, modulate (or stage) heat, and/or enable airside economizing to maintain zone temperature at setpoint. The OA damper shall open to bring in the required amount of ventilation.

**2. MORNING WARM-UP/PRE-COOL:**

The RTU shall operate the supply fan and modulate (or cycle) compressors or modulate (or stage) heat to raise/lower zone temperature to its occupied setpoint. The OA damper shall remain closed, unless economizing.

**D. CHANGEOVER BYPASS SYSTEM****1. OCCUPIED HEAT/COOL:**

Each VAV terminal shall use pressure-independent control, with airflow measurement, to vary primary airflow to maintain zone temperature at its occupied setpoint. The RTU shall modulate the bypass damper to maintain duct static pressure at setpoint and modulate (or cycle) compressors, modulate (or stage) heat, and/or enable airside economizing based on current zone cooling/heating demands. The OA damper shall open to bring in the required amount of ventilation.

**2. MORNING WARM-UP/PRE-COOL:**

Each VAV terminal unit shall vary primary airflow to raise/lower zone temperature to its occupied setpoint. The RTU shall modulate the bypass damper to maintain duct static pressure at setpoint and modulate (or cycle) compressors or modulate (or stage) heat based on current zone cooling/heating demands. The OA damper shall remain closed, unless economizing.

**3. COOLING/HEATING CHANGEOVER LOGIC:**

The System Controller shall determine the overall system cooling/heating mode based on "voting" from each zone. When the majority of zones require cooling, the RTU shall operate in cooling mode and any zone that requires heating shall reduce primary airflow to minimum. When the majority of zones require heating, the RTU shall operate in heating mode and any zone that requires cooling shall reduce primary airflow to minimum.

# Camarena Library Energy Cost Savings Estimate

## Center Unit

Exist. EER	Option	New EER	kWh	kW	kWh cost	Annualized Savings
10.5	Standard Efficiency	11	779	1	\$0.125	\$ 97.40
	High Efficiency	12	2,143	2	\$0.125	\$ 267.86

## South Unit

Exist. EER	Option	New EER	kWh	kW	kWh cost	Annualized Savings
10.8	Standard Efficiency	11	303	0	\$0.125	\$ 37.88
	High Efficiency	12	2,143	2	\$0.125	\$ 267.86

**IID Custom Energy Solutions Program: HVAC Calculator**

<b>Project Site: Camarena Memorial Library (Center Unit to Standard Efficiency)</b>					
<b>Address: 850 Encinas Ave.</b>					
<b>City: Calexico</b>					
<b>Zip: 92231</b>					
<b>Old EER (BTU/(W-Hr))</b>	<b>New EER (BTU/(W-Hr))</b>	<b>Tons</b>	<b>EFLCH<sup>(1)</sup></b>	<b>kW Reduction</b>	<b>kWh/yr Savings</b>
10.5	11	15	1000	0.8	779.22
<b>ENTER IN THESE CELLS</b>				<b>RESULTS</b>	

(1) Equivalent Full-Load Cooling Hours (EFLCH). I used the average from the table below. Equivalent full load cooling hours (EFLCH) is the number of hours an air conditioner would run at full load to consume the same amount of electric energy that it consumes on average over the course of an entire year.

Note: Do not use SEER for these calculations.

**Table 22  
EFLCH by Sector**

<b>Market Sector</b>	<b>Equivalent Full Load Cooling Hours</b>
Office	1000
Retail	800
Grocery	600
Restaurant	1300
Hotel/motel	700
Average	880

Table 22 is from "MEASURE QUANTIFICATION METHODOLOGY - Statewide Savings and Cost", see <http://www.ncpa.com/energy-efficiency-reports.html>

**IID Custom Energy Solutions Program: HVAC Calculator**

**Project Site: Camarena Memorial Library (Center Unit to High Efficiency)**

**Address: 850 Encinas Ave.**

**City: Calexico**

**Zip: 92231**

Old EER (BTU/(W-Hr))	New EER (BTU/(W-Hr))	Tons	EFLCH <sup>(1)</sup>	kW Reduction	kWh/yr Savings
10.5	12	15	1000	2.1	2,142.86
<b>ENTER IN THESE CELLS</b>				<b>RESULTS</b>	

(1) Equivalent Full-Load Cooling Hours (EFLCH). I used the average from the table below. Equivalent full load cooling hours (EFLCH) is the number of hours an air conditioner would run at full load to consume the same amount of electric energy that it consumes on average over the course of an entire year.

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**IID Custom Energy Solutions Program: HVAC Calculator**

**Project Site: Camarena Memorial Library (South Unit to Standard Efficiency)**

**Address: 850 Encinas Ave.**

**City: Calexico**

**Zip: 92231**

Old EER (BTU/(W-Hr))	New EER (BTU/(W-Hr))	Tons	EFLCH <sup>(1)</sup>	kW Reduction	kWh/yr Savings
10.8	11	15	1000	0.3	303.03
<b>ENTER IN THESE CELLS</b>				<b>RESULTS</b>	

(1) Equivalent Full-Load Cooling Hours (EFLCH). I used the average from the table below. Equivalent full load cooling hours (EFLCH) is the number of hours an air conditioner would run at full load to consume the same amount of electric energy that it consumes on average over the course of an entire year.

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Hotel/motel	700
Average	880

Table 22 is from "MEASURE QUANTIFICATION METHODOLOGY - Statewide Savings and Cost", see <http://www.ncpa.com/energy-efficiency-reports.html>

**IID Custom Energy Solutions Program: HVAC Calculator****Project Site: Camarena Memorial Library (South Unit to High Efficiency)****Address: 850 Encinas Ave.****City: Calexico****Zip: 92231**

Old EER (BTU/(W-Hr))	New EER (BTU/(W-Hr))	Tons	EFLCH <sup>(1)</sup>	kW Reduction	kWh/yr Savings
10.5	12	15	1000	2.1	2,142.86
<b>ENTER IN THESE CELLS</b>				<b>RESULTS</b>	

(1) Equivalent Full-Load Cooling Hours (EFLCH). I used the average from the table below. Equivalent full load cooling hours (EFLCH) is the number of hours an air conditioner would run at full load to consume the same amount of electric energy that it consumes on average over the course of an entire year.

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CONTRACTORS  
STATE LICENSE BOARD  
ACTIVE LICENSE



License Number **649196** Entity **CORP**

Business Name **HOLTVILLE AIR CONDITIONING &  
ELECTRICAL INC DBA VIC'S AIR  
CONDITIONING & ELECTRICAL**

Classification(s) **C10 C20 C38 C43**

Expiration Date **07/31/2020**

[www.cslb.ca.gov](http://www.cslb.ca.gov)







# CITY OF CALEXICO BUSINESS LICENSE

190785

608 HEBER AVENUE  
(760) 768-2120

ISSUE DATE

1/29/2019

BUSINESS NAME:

WCS/A/C & ELECTRICAL

BUSINESS ADDRESS:

517 E. FIFTH ST. HOLYVILLE, CA 92430

ACCOUNT NUMBER:

61435

TYPE OF BUSINESS

RETAIL

WHOLESALE

FOOD

GENERAL/SUB-CONTRACTOR

SERVICES

OTHER

EXPIRATION DATE:

December 31, 2019

FINANCE DEPARTMENT:

CLERK

*[Signature]*  
CITY OF CALEXICO

*Where California and Mexico Meet*

ORIGINAL LICENSE

DO NOT COPY

ORIGINAL LICENSE MUST BE POSTED AT BUSINESS LOCATION IN A VISIBLE PLACE

## AGREEMENT FOR PROFESSIONAL SERVICES

This Agreement is made and entered into as of the \_\_\_\_\_ day of \_\_\_\_\_, 2020, by and between the City of Calexico ("City") and \_\_\_\_\_ ("Consultant").

### RECITALS

- A. Consultant is specially trained, experienced and competent to perform the special services which will be required by this Agreement; and
- B. Consultant possesses the skill, experience, ability, background, certification and knowledge to provide the services described in this Agreement on the terms and conditions described herein.

### AGREEMENT

1. **Scope of Services.** The Consultant shall furnish the following services in a professional manner. Consultant shall perform the services described on Exhibit A which is attached hereto and incorporated herein by reference. Consultant shall provide said services at the time, place, and in the manner specified in Exhibit A, subject to the direction of the City through its staff that it may provide from time to time.
2. **Time of Performance.** The services of Consultant are to commence upon execution of this Agreement and shall continue until all authorized work is approved by the City. All such work shall be completed no later than July 2, 2020. Time is of the essence for every provision of this agreement that states a time for performance and for every deadline imposed by the City.
3. **Compensation.** Compensation to be paid to Consultant shall be as set forth in Exhibit B, which is attached hereto and incorporated herein by reference. Payment by City under this Agreement shall not be deemed a waiver of defects, even if such defects were known to the City at the time of payment.
4. **Method of Payment.** Consultant shall submit invoice to Camarena Memorial Library describing the work performed during the month. Consultant's bills shall include a brief description of the services performed, the date the services were performed, the number of hours spent and by whom, and a description of any reimbursable expenditures. City shall pay Consultant no later than 30 days after approval of the monthly invoice by City staff.
5. **Ownership of Documents.** All plans, studies, documents and other writings prepared by and for Consultant, its officers, employees and agents and subcontractors in the course of implementing this Agreement, except working notes and internal documents, shall become the property of the City upon payment to Consultant for such work, and the City shall have the sole right to use such materials in its discretion without further

compensation to Consultant or to any other party. Consultant shall, at Consultant's expense, provide such reports, plans, studies, documents and other writings to City upon written request.

6. Independent Contractor. It is understood that Consultant, in the performance of the work and services agreed to be performed, shall act as and be an independent contractor and shall not act as an agent or employee of the City. Consultant shall obtain no rights to retirement benefits or other benefits which accrue to City's employees, and Consultant hereby expressly waives any claim it may have to any such rights.
7. Interest of Consultant. Consultant (including principals, associates and professional employees) covenants and represents that it does not now have any investment or interest in real property and shall not acquire any interest, direct or indirect, in the area covered by and during this Agreement or any other source of income, interest in real property or investment which would be affected in any manner or degree by the performance of Consultant's services hereunder. Consultant further covenants and represents that in the performance of its duties hereunder no person having any such interest shall perform any services under this Agreement.

Consultant is not a designated employee within the meaning of the Political Reform Act because Consultant:

- a. will conduct research and arrive at conclusions with respect to his/her rendition of information, advice, recommendation or counsel independent of the control and direction of the City or of any City official, other than normal agreement monitoring; and
  - b. possesses no authority with respect to any City decision beyond rendition of information, advice, recommendation or counsel. (FPPC Reg. 18700(a)(2).)
8. Professional Ability of Consultant. City has relied upon the professional training and ability of Consultant to perform the services hereunder as a material inducement to enter into this Agreement. Consultant shall therefore provide properly skilled professional and technical personnel to perform all services under this Agreement. All work performed by Consultant under this Agreement shall be in accordance with applicable legal requirements and shall meet the standard of quality ordinarily to be expected of competent professionals in Consultant's field of expertise.
  9. Indemnity. Consultant agrees to indemnify, including the cost to defend, the City, and its officers, agents and employees from any and all claims, demands, costs or liability that arise out of, or pertain to, or relate to the negligence, recklessness, or willful misconduct of Consultant and its agents in the performance of services under this contract. This indemnity does not apply to liability for damages for death or bodily injury to persons, injury to property, or other loss, damage or expense arising from the sole negligence, willful misconduct or defects in design by the City or its agents, servants, or independent contractors who are directly responsible to the City, or the active negligence of the City.

To the fullest extent permitted by law, the Consultant shall (1) immediately defend and (2) indemnify the City, and its councilmembers, officers, agents, and employees from and against all liabilities regardless of nature or type that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, or its employees, agents, or subcontractors. Liabilities subject to the duties to defend and indemnify include, without limitation, all claims, losses, damages, penalties, fines, and judgments; associated investigation and administrative expenses; defense costs, including but not limited to reasonable attorneys' fees; court costs; and costs of alternative dispute resolution. The Consultant's obligation to indemnify applies unless it is finally adjudicated that the liability was caused by the sole active negligence or sole willful misconduct of an indemnified party. If it is finally adjudicated that liability is caused by the comparative active negligence or willful misconduct of an indemnified party, then Consultant's indemnification obligation shall be reduced in proportion to the established comparative liability.

- (b) The duty to defend is a separate and distinct obligation from Consultant's duty to indemnify. Consultant shall be obligated to defend, in all legal, equitable, administrative, or special proceedings, with counsel approved by the City, the City and its councilmembers, officers, agents, and employees, immediately upon tender to Consultant of the claim in any form or at any stage of an action or proceeding, whether or not liability is established. An allegation or determination that persons other than Consultant are responsible for the claim does not relieve Consultant from its separate and distinct obligation to defend under this section. The obligation to defend extends through final judgment, including exhaustion of any appeals. The defense obligation includes an obligation to provide independent defense counsel if Consultant asserts that liability is caused in whole or in part by the negligence or willful misconduct of the indemnified party. If it is finally adjudicated that liability was caused by the comparative active negligence or willful misconduct of an indemnified party, Consultant may submit a claim to the City for reimbursement of reasonable attorneys' fees and defense costs in proportion to the established comparative liability of the indemnified party.
- (c) The review, acceptance or approval of the City's work or work product by any indemnified party shall not affect, relieve or reduce the City's indemnification or defense obligations. This Section survives completion of the services or the termination of this contract. The provisions of this Section are not limited by and do not affect the provisions of this contract relating to insurance.

10. Insurance Requirements.

- a. Consultant, at Consultant's own cost and expense, shall procure and maintain, for the duration of the contract, the following insurance policies.
  - i. Workers' Compensation Coverage. Consultant shall maintain Workers' Compensation Insurance and Employer's Liability Insurance for his/her employees in accordance with the laws of the State of California. In addition,

Consultant shall require each subcontractor to similarly maintain Workers' Compensation Insurance and Employer's Liability Insurance in accordance with the laws of the State of California for all of the subcontractor's employees. Any notice of cancellation or non-renewal of all Workers' Compensation policies must be received by the City at least thirty (30) days prior to such change. The insurer shall agree to waive all rights of subrogation against City, its officers, agents, employees and volunteers for losses arising from work performed by Consultant for City. This provision shall not apply if Consultant has no employees performing work under this Agreement. If the Consultant has no employees for the purposes of this Agreement, Consultant shall sign the "Certificate of Exemption from Workers' Compensation Insurance" which is attached hereto as Exhibit C.

- i. **General Liability Coverage.** Consultant shall maintain commercial general liability insurance in an amount not less than one million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If a commercial general liability insurance form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the work to be performed under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit.
- iii. **Automobile Liability Coverage.** Consultant shall maintain automobile liability insurance covering bodily injury and property damage for all activities of the Consultant arising out of or in connection with the work to be performed under this Agreement, including coverage for owned, hired and non-owned vehicles, in an amount of not less than one million dollars (\$1,000,000) combined single limit for each occurrence.
- iv. **Errors and Omissions Liability.** Consultant shall maintain errors and omissions liability insurance for all work performed under this Agreement in an amount of not less than one million dollars (\$1,000,000).
- b. **Policy Endorsements.** Each general liability and automobile liability insurance policy shall be with insurers possessing a Best's rating of no less than A:VII and shall be endorsed with the following specific language:
  - i. The City of Calexico, its elected or appointed officers, officials, employees, agents and volunteers are to be covered as additional insureds with respect to liability arising out of work performed by or on behalf of the Consultant, including materials, parts or equipment furnished in connection with such work or operations.
  - ii. This policy shall be considered primary insurance as respects the City, its elected or appointed officers, officials, employees, agents and volunteers. Any insurance maintained by the City, including any self-insured retention

the City may have, shall be considered excess insurance only and shall not contribute with it.

- iii. This insurance shall act for each insured and additional insured as though a separate policy had been written for each, except with respect to the limits of liability of the insuring company.
  - iv. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its elected or appointed officers, officials, employees, agents or volunteers.
  - v. The insurance provided by this policy shall not be suspended, voided, canceled, or reduced in coverage or in limits except after thirty (30) days written notice has been received by the City.
- c. Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. At the City's option, Consultant shall demonstrate financial capability for payment of such deductibles or self-insured retentions.
  - d. Certificates of Insurance and Endorsements. Consultant shall provide certificates of insurance with original endorsements to City as evidence of the insurance coverage required herein. Certificates of such insurance shall be filed with the City on or before commencement of performance of this Agreement. Current certification of insurance shall be kept on file with the City at all times during the term of this Agreement.
11. Compliance with Laws. Consultant shall use the standard of care in its profession to comply with all applicable federal, state and local laws, codes, ordinances and regulations.
  12. Licenses. Consultant represents and warrants to City that it has all licenses, permits, qualifications, insurance and approvals of whatsoever nature which are legally required of Consultant to practice its profession. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement, any licenses, permits, insurance and approvals which are legally required of Consultant to practice its profession. Consultant shall obtain a City of Calexico Business License.
  13. Controlling Law Venue. This Agreement and all matters relating to it shall be governed by the laws of the State of California and any action brought relating to this Agreement shall be held exclusively in a state court in the County of Imperial, California.
  14. Written Notification. Any notice, demand, request, consent, approval or communication that either party desires or is required to give to the other party shall be in writing and either served personally or sent prepaid, first class mail. Any such notice, demand, etc.



including correspondence, drafts, memoranda, and representations, are superseded in total by this Agreement.

17. Amendments. This Agreement may be modified or amended only by a written document executed by both Consultant and City and approved as to form by the City Attorney.
18. Waiver. No failure on the part of either party to exercise any right or remedy hereunder shall operate as a waiver of any other right or remedy that party may have hereunder.
19. Execution. This Agreement may be executed in several counterparts, each of which shall constitute one and the same instrument and shall become binding upon the parties when at least one copy hereof shall have been signed by both parties hereto. In approving this Agreement, it shall not be necessary to produce or account for more than one such counterpart.
20. Assignment and Subcontracting. The parties recognize that a substantial inducement to City for entering into this Agreement is the professional reputation, experience and competence of Consultant. Assignments of any or all rights, duties or obligations of the Consultant under this Agreement will be permitted only with the express consent of the City. Consultant shall not subcontract any portion of the work to be performed under this Agreement without the written authorization of the City. If City consents to such subcontract, Consultant shall be fully responsible to City for all acts or omissions of the subcontractor. Nothing in this Agreement shall create any contractual relationship between City and subcontractor nor shall it create any obligation on the part of the City to pay or to see to the payment of any monies due to any such subcontractor other than as otherwise is required by law.
21. Termination. This Agreement may be terminated by the City immediately for cause or by either party without cause upon fifteen days' written notice of termination. Upon termination, Consultant shall be entitled to compensation for services performed up to the effective date of termination.

\*\*\*SIGNATURES ON FOLLOWING PAGE\*\*\*

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed on the date first written above.

CITY OF CALEXICO:

CONSULTANT:

---

David Dale  
City Manager

---

APPROVED AS TO FORM:

ATTEST:

---

Carlos Campos  
City Attorney

---

Gabriela Garcia  
City Clerk

## EXHIBIT A

See attached BID proposal

EXHIBIT B



www.acguysCalifornia.com

May 28, 2020

City of Calexico – Camarena Memorial Library

## RFB for Replacement of Air Conditioning/Heater Package Units

Assigned Project Manager: Louis Fuentes

[louis@airconditioningguyz.com](mailto:louis@airconditioningguyz.com)

PROJECT: 850 Encinas Ave

City: Calexico, CA 92231

**Installation Team:** 3 Man Crew with EPA Certification and ACCA's Quality Installation Practices.

This Proposal is for complete installation of Air Conditioning/Heating component of this project:

Option #	Description	Price
Option #1	Qty 2 = Trane 15 ton Package A/C Heater	\$32,644
Option #2	Qty 2 = York 15 ton Package A/C Heater	\$47,510



### (Qty) SCOPE OF WORK PER Plans Specs:

- Remove existing system
- Replace Electrical Whip
- Replace Electrical Disconnect
- Clean area
- Replace Thermostats
- Seal and Test all Junctions for new unit
- Install 2 – 15 ton Package HVAC systems
- Test and Start up

### WARRANTIES:

7 Year Manufacturers Warranty

2 Yr Labor Warranty

Thank you for the opportunity to quote your project.

Louis Fuentes



(760) 352-2244

louis@airconditioningguyz.com

LOUIS FUENTES