CECCHINIGROUP

SUBCONTRACT AGREEMENT

24-008-10

SUBCONTRACTOR

Consult Mechanical
54 Audia CRT, Unit 2
Concord, ON
L4K 3N5

DATE	April 4, 2024
PROJECT	TD Woosdstock
ADDRESS	419 Norwich Avenue
	Woodstock, ON
APPROVED BY	Joey Cecchini

Furnish all labour, materials, equipment, hoisting, permits and supervision necessary to supply and install:

			TOTAL $
15850	HVAC		$ 162,836.00
	(See attached marked up quotation for further details. The attached are assumed to be in accordance with the tender documents.)	SUBTOTAL	$ 162,836.00
		HST 13%	$ 21,168.68
		TOTAL Contract Value, including HST:	**$ 184,004.68**

PAYMENT

All applications for payment must be submitted to the Contractor with backup as determined by the Contractor, otherwise the application will not be processed for payment. All monthly payment applications must be submitted by the twenty-fifth day (25th) of each month. Any application submitted after this day cannot be processed and will be postponed until the following month. The Subcontractor is relying on the creditworthiness of the Owner for payment to the Subcontractor. Payment from the Owner to the Contractor is a condition precedent to the payment to the Subcontractor for each progress payment and final payment. Payments will be made monthly on progress applications for payment submitted by the subcontractor and approved by the Contractor covering ninety percent (90%) of the value of the subcontract work completed by the subcontractor to the end of the previous month. Such payments to be made within seven (7) days after the Contractor receives payment for such subcontract work from the owner, in which the subcontract work included in the progress estimate was completed. All payments are conditional on payment by the owner to the Contractor of an amount equivalent to and representing each such payment to the subcontractor. No progress payment or final payment shall be due or payable nor shall any interest accrue thereon until the Subcontractor furnishes the Contractor with: a signed Subcontract; Performance or Labour and Material Bonds, as required; a Workplace Safety and Insurance Board clearance certificate; a current Memorandum of Insurance; a detailed agreed breakdown of the Subcontract price; a Certificate of Release and Indemnity and all closeout documents, maintenance manuals, warranties and as built drawings. Due performance by the Subcontractor shall always be a condition precedent to all payments by the Contractor.

CONSTRUCTION SAFETY & LABOUR

The Subcontractor shall familiarize himself with and shall comply with all applicable Occupational Health and Safety and Environmental legislation at the place of work. Prior to commencing work on site, the Subcontractor must provide a fully completed Ministry of Labour Form 1000 – Registration of Constructors and Employers Engaged in Construction, review and sign the Contractor's Occupational Health& Safety Standards Compliance Agreement-2023 and return it to the Contractor. The Subcontractor shall fully indemnify the Constructor for all costs, damages and pay any and all fines levied against the constructor resulting from the Subcontractor, his employees or his suppliers failing to adhere to the safety requirements for all authorities having jurisdiction. The Subcontractor shall comply with those provisions of the Contractor's collective agreements relating to the subcontract work.

SEE PAGE 2 FOR ADDITIONAL TERMS AND CONDITIONS OF THIS AGREEMENT

	Subcontractor Acceptance		CECCHINI GROUP INC.	
Name:			111 Zenway Blvd., Unit 31-32	
Signature:			Woodbridge, Ontario, L4H 3H9	
Date:			Tel.: (905) 738-4800 Fax: (905) 738-4830	
HST#:			Cost Code:	

SUBCONTRACT AGREEMENT
Between Contractor and Subcontractor

DEFINITIONS

Contractor – Cecchini Group Inc., 111 Zenway Blvd, Unit 31-32, Woodbridge, Ontario L4H 3H9.

Subcontractor - As shown on the face of this document.

AGREEMENT

This Subcontract supersedes all prior negotiations, representations, or agreements, either written or oral, relating in any manner to the Work, and constitutes the entire agreement between the parties and no modification or amendment thereto shall be binding on the Contractor unless evidenced in writing and signed by the Project Manager of the Contractor. In accepting this Subcontract the Subcontractor contracts to comply with the Contract Documents for the aforementioned project, copies of which may be viewed at the Contractor's office and shall be furnished upon request.

CONTRACT DOCUMENTS

The Contract Documents for this Subcontract, which are fully part of this Subcontract as if attached to this Subcontract Agreement or repeated herein, consists of this Subcontract Agreement, any Appendices attached thereto, the Prime Contract between the Owner and the Contractor, including the General and Supplementary Conditions of Contract and any other Contract Documents listed in such Prime Contract and the Contractor's Standard Subcontract Contract Conditions. In the event of any conflict between the terms of this Subcontract, the Contractor's Standard Subcontract Contract, and the Prime Contract, the more stringent provision shall apply. The law of the Place of the Work shall govern the interpretation of the Subcontract.

SCHEDULE

The Subcontractor agrees to supply a detailed schedule of the Subcontract work to be performed under this Subcontract prior to commencement on site, update this schedule as required, and to begin, carry on and complete the Subcontract work all in accordance with the Contractor's schedule for the project, which schedule may be updated from time to time.

INSURANCE

The Subcontractor will provide and maintain and pay for the following insurance coverage: General Liability Insurance; Automobile Liability Insurance; Aircraft and Watercraft Liability Insurance; Property and Boiler and Machinery Insurance and Contractor's Equipment Insurance all as per the Prime Contract requirements. Prior to commencement of the Subcontract work the Subcontractor shall promptly provide the Contractor with confirmation of coverage, and if required, a true copy of the policies certified by an authorised representative of the insurer together with copies of any amending endorsement. The Subcontractor shall be responsible for deductible amounts under the policies as may be applicable to their operations. If the Subcontractor fails to provide or maintain insurance as required by the Contract Documents, then the Contractor shall have the right to provide and maintain such insurance and give evidence thereof to the Subcontractor. The Contractor may deduct the costs thereof from the amount that is due or may become due to the Subcontractor. All required insurance policies shall be with Insurers licensed to underwrite insurance in the jurisdiction of the Place of the Work.

ASSIGNMENT

The Subcontractor shall not assign or sublet this Subcontract or any portion thereof except with the prior written consent of the Contractor.

CHANGES

The Contractor shall have the right to order changes to the Subcontract work. All changes to this Subcontract, in cost or otherwise, must be approved in writing by the Contractor's Project Manager. Written approval by the Contractor of a change in the Subcontract is a condition precedent to its obligation to adjust the subcontract price or subcontract schedule.

SETTLING OF DISPUTES

Should any dispute arise between the parties, in any way pertaining to this Subcontract, or to the Subcontract work to be performed thereunder, it shall be disposed of by a compulsory three step process being: 1) Negotiation, 2) Mediation 3) Arbitration. If the dispute involves the owner, then all disputes shall be disposed of at the same time as any similar dispute on the same matter is to be disposed of as provided by the Prime Contract. The Contractor and Subcontractor shall take such steps diligently as may be necessary to give due effect to this provision.

INDEMNIFICATION

The Subcontractor shall indemnify the Contractor and its directors, officers, employees and agents against and save them harmless from any and all claims, suits, proceedings, liability, expense or damage for any alleged or actual infringement or violation of any patent, copyright, or other intellectual or industrial property right arising in connection with this Subcontract and anything done hereunder, for injuries to or destruction of property, injuries to persons including death, and from any other claims, suits, or liability on account of any act or omission of the Subcontractor, or any of his directors, officers, agents, employees, servants, material suppliers, subsubcontractors or assignees. The Subcontractor shall pay for all materials furnished and work and labour performed under this Subcontract, and all permits, taxes, imposts, levies, assessments, premiums, fees or union dues relating thereto directly or indirectly, and satisfy the Contractor thereupon whenever demand is made, and indemnify the Contractor and the owner against and save them and the project harmless from and forthwith to discharge, any and all claims, suites, or liens therefore; comply with the provisions of any applicable builder's, construction or mechanic's lien legislation including, without limitation, any trust provisions thereof; obtain and pay for all permits, licenses and official inspections made necessary by his Subcontract work, and to comply with all laws, ordinances and regulations bearing on his Subcontract work and the conduct thereof. The Subcontractor warrants and guarantees the Subcontract work and material covered by this Subcontract. The Subcontractor shall indemnify the Contractor and the owner against, and save them harmless from any and all loss, damage, costs, expenses and fees including agency fees and legal fees on a solicitor and his own client basis suffered or incurred on account of any breach or alleged breach of the aforesaid obligations and responsibilities, or of any other provisions or covenant of or incorporated into this Subcontract.

SHOP DRAWINGS

Shop drawings are drawings, diagrams, illustrations, schedules, performance charts, brochures, samples and other data which the Subcontractor provides to illustrate details of a portion of the Subcontract work or product. The Subcontractor shall provide shop drawings as described in the Subcontract documents or as the Contractor may reasonably request. The Subcontractor shall supply all close-out documentation, as-built drawings, maintenance manuals, instructions, brochures, guarantees, warranties, certificates and other similar documents as and when required by the Contractor and in any event no later than the Subcontractor's final progress payment application or four weeks after Substantial Completion of the Project, whichever is earlier.

REVIEW AND INSPECTION OF THE WORK

All Subcontract work is subject to final inspection by the Contractor, and the Subcontractor must correct and pay all charges on rejected work

TEMPORARY SERVICES

The Contractor will provide one on-site electrical panel for Subcontractors to connect to. Heavy-duty requirements such as welding, hoisting, heat generating units, and other heavy electrical loads shall not be provided unless available. If available, all permits, cable, distribution and hook up costs will be to the Subcontractors account. If not available, the Subcontractor will have to provide an alternate means at the Subcontractor's expense. The Contractor will provide temporary sources of water of capacity to accommodate a ¾" hose. Subcontractor shall provide for his own distribution of water beyond these sources including connecting of water to office trailers. Temporary washrooms will be provided by the Contractor. The Contractor will provide temporary non-task lighting within the building areas; the Subcontractor shall provide task lighting. The Contractor will provide a man and material hoist, if required. The Subcontractor will pay for the use of the man and material hoist.

CLEANUP

Each Subcontractor shall be responsible for cleaning up during and after installation of their materials, and shall leave areas "broom clean" daily.

CONTRACTOR'S RIGHT TO PERFORM, STOP OR TERMINATE THE SUBCONTRACT

The Contractor may, at it's option and convenience, without prejudice to any other right or remedy the Contractor may have, terminate the Subcontract after giving written notice to the Subcontractor. The Subcontractor will be compensated for progress to date. Should the Subcontractor be adjudged bankrupt, or makes a general assignment for the benefit of creditors or if a receiver is appointed on account of the Subcontractor's insolvency, or should the Subcontractor fail in the performance of any of the agreements herein contained or fail to prosecute the Subcontract work with promptness and diligence, or delay the progress of the Contractor the Contractor may, at it's option, without prejudice to any other right or remedy the Contractor may have; terminate the Subcontract; take possession of all materials, tools and equipment; do or pay anything the Subcontractor has failed to do; do or pay the Contractor or any others to do the Subcontract work; or any combination of the aforesaid. In any of these cases the Contractor may charge all costs, expenses, losses and consequential damages incurred by it including, without limitations, all fees and legal fees on a solicitor and his own client basis to the Subcontractor who covenants forthwith to reimburse the Contractor therefor. The contractor shall have the right to set-off against any money owing to or that may become owing to the Subcontractor under this contract or otherwise.

Quotation-Rev-01

March25, 2024, Estimate-Project# TD Woodstock-

To: Cecchini Group Inc

Project: TD Woodstock

Attention: Elisa Fidani.

elisa@cecchinigroup.ca

We are pleased to provide you with our Lump Sum **Plumbing & HVAC** quotation to provide labor, material & equipment for the above project as per Aegis Engineering Ltd.'s drawings & specifications (M-1.00 and M2.00) issued for Permit Revision on (March 11/24) and Addendum#

Price for the above Scope: $ 162,836.00+HST Base Price (

HVAC only)

Plumbing: $72,530.00 +HST-(Plumbing Only)

Inclusions:

- 5# RTU's Equal to Lennox 4 TONS and 1#3 TONS as per specs
- Thermal Insulation
- 3# Exhaust Fans
- Mechanical wiring
- Sheet Metal ducting c/w Acoustic lining
- Natural Gas Piping to the RTU's
- Plumbing inside the building -Sanitary and Storm piping.
- Excavation and Backfilling for the buried Sanitary and Storm piping inside the building.
- Heat tracing for about 40 L.F. RWL piping c/w controls.
- Electric water heater w/ associated condensing piping.
- Installation of water meter (Supplied by City) for 2" water connection along with the associated Back Flow Preventer Assembly.
-

Exclusions:

- All site Services.
- Humidifier, if any-no specs.
- Abatement of Designated materials
- Any' 3M Fire wrapping.
- BAS Modifications to existing, if any
- Bonding

- Water Heater installation Brackets
- Building Automation
- Cash Allowances
- Colored Equipment
- Concrete Pads
- Demolition of other services
- Electrical
- Excavation & Backfill
- Exterior Site Services, City Connection, Fire Hydrants
- Fire Protection
- Fire Alarm
- Fees or Costs (i.e. Permits, Licenses, or Inspections, etc.) by Authorities Having Jurisdiction Over Our Work (i.e. Municipal, Local, TSSA, Tarion, etc.).
- Roofing, Structural Work

Contractual:

- Invoicing each fifteen (15) calendar days with net payment thirty (30) days of invoicing, any invoice more than 90 days is subject to a 2% interest charge per month to be added to the payment schedule.
- All quotes are valid for thirty (30) days of dated quotation.
- Material pricing is based on current market values and is subject to change.

We Trust that this quote meets with your approval, should you have any questions, please call the undersigned.

Regards,

MARC ROSSY
CONSULT MECHANICAL INC
54 AUDIA CRT UNIT 2
CONCORD - ON - L4K 3N5
www.consultmechanical.com
marc@consultmechanical.com
O: 905.738.1400

1. Consult: The term "Consult" as used herein shall mean Con-sult Mechanical Ltd.
2. Customer: The term “Customer” as used herein shall mean the company or owner to which this document is addressed.
3. Price Policy: Price is in effect for 30 days from time of quote.
4. Pricing: Sales taxes, (and in Canada GST/PST or HST) and any other taxes assessed on Customer, shall be added to the price upon invoice to Customer. Price includes only the material listed based on Consult’s interpretation of plans and specifications unless noted otherwise. Additional equipment, unless negotiated prior to order placement, will be billed accordingly.
5. Warranty Exclusions: Consult's warranty does not apply to any goods which have been opened, disassembled, repaired, or altered by anyone other than Consult or its authorized service representative; or which have been subjected to misuse, misapplication, abuse, negligence, accidents, damage, or abnormal use or service. Refrigerants, fluids, oils, and expendable items such as filters are not covered by the Consult's warranty. Consult's duty to perform under any warranty may be delayed, at Consult's sole option, until Consult has been paid in full for all goods and services purchased by Customer. No such delay shall extend the warranty period. For additional consideration Consult will provide an extended warranty(ies) on certain goods or components thereof.
6. Omissions: Omissions in the Contract Documents and any work requested in variance of the Contract Document are considered extra to this Proposal and are not included in the Contract Price. Any additional work, required due to the site conditions known to the Customer and not disclosed to the Contractor, or which could not be reasonably anticipated by the Contractor, is not included in the Contract Price and shall be extra to the Contract Price. If the Contractor deems there to be an unforeseen issue that was not visible or foreseeable at the time of providing a price and entering into the agreement that will result in additional costs to the Customer, the Contractor shall provide immediate written notice of the issue and the alleged additional costs to the Customer before proceeding with any work. The Customer must approve any extra costs in writing, failing which the Customer shall not be liable for any additional claim for additional costs the Contractor makes. For greater certainty, the Customer shall not be responsible for any additional costs claimed by the Contractor that are not approved in writing by the Customer or the Customer's agent.
7. Invoice Remittance and Payment: If the Work is performed over more than a month, Consult will invoice Customer each month for the Work performed during the previous month. Customer agrees to pay the amount due to Consult as invoiced, within thirty (30) days of the date of such invoice. If the Work is completed in less than one month, Customer agrees to pay Consult in full after the Work has been performed within thirty (30) days of the date of being invoiced. If Customer is overdue in its payment to Consult, Consult shall be entitled to suspend the Work until paid and has the right to charge an interest rate of 2% percent per month, (or the maximum rate permitted by law), and may avail itself of any other legal or equitable remedy. Customer shall reimburse Consult costs incurred in collecting any amounts that become overdue, including attorney fees, court costs and any other reasonable expenditure.
8. Changes: Without invalidating this Agreement or any bond given hereunder, Customer or Consult may request changes in the Work. Any changes to the Work and any adjustment to the Agreement Price or the time for completion of the Work shall be in writing signed by both Customer and Consult. If Customer orders any additional work or causes any material interference with Consult’s performance of the Work, Consult shall be entitled to an equitable adjustment in the time for performance and in the Agreement Price, including a reasonable allowance for overhead and profit.
9. Force Majeure: Neither Customer nor Consult shall be responsible or liable for, shall incur expense for, or be deemed to be in breach of this Agreement because of any delay in the performance of their respective obligations pursuant to this Agreement due solely to circumstances beyond their reasonable control (“Force Majeure”) and without the fault or negligence of the party experiencing such delay, provided that the party experiencing the delay shall promptly give written notification to the other party within five (5) days after such party has learned of the Force Majeure. A Force Majeure event shall include, but not be limited to: accident, fire, storm, water, flooding, negligence, vandalism, power failure, installation of incompatible equipment, improper operating procedures, source current fluctuations or lighting. If performance by either party is delayed due to Force Majeure, the time for that performance shall be extended for a period of time reasonably necessary to overcome the effect of the delay. Any Services required by Consult due to reasons set forth in this Force Majeure Section shall be charged to Customer in addition to any amounts due under this Agreement
10. Miscellaneous: Neither party to this Agreement shall assign this Agreement without the prior written consent of the other party hereto. Consult may assign this Agreement to any of its parents, subsidiary or affiliated companies or any entity majority owned by Consult. Notices shall be in writing and addressed to the other party, in accordance with the names and addresses of the parties as shown above. All notices shall be effective upon receipt by the party to whom the notice was sent. A waiver of the terms hereunder by one party to the other party shall not be effective unless in writing and signed by a person with authority to commit the Customer or Consult and delivered to the non-waiving party according to the notice provision herein. No waiver by Customer or Consult shall operate as a continuous waiver, unless the written waiver specifically states that it is a continuous waiver of the terms stated in that waiver.
11. The Sections regarding invoicing, warranty and indemnity shall survive the termination of this Agreement.

Lennox National Accounts
Project Submittal

Project Name: TD Bank 419 Norwich Avenue, Woodstock ON
Project Number: 535685
Project Altitude: 500
Project Location:
419 Norwich Avenue
Woodstock, Ontario CA

Customer: Zone Comm Toronto
Engineer: Aegis Engineering Inc
National Account: TD Bank

Date: 3/26/2024
Quote: 416466A
Roof Top Units: 6
Split Systems: 0

Table of Contents

Revit® Building Information Modeling (BIM) - Click here

AutoCAD® Templates - Click here

Lennox National Accounts
Project Submittal

Tag: RTU-1 through RTU-5
Model: LGT048H4E - LGT048H4E-J 4T CONF S=17

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
575V 3Ph 60Hz	17 12.8	11 / 15	49.9 / 36.4	46.8 / 33.3	1,600	1.00 / 1.20	80.0 / 67.0	58.0 / 56.7

COOLING

Cooling Performance		Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	49.9 / 36.4 MBH	Ambient	95.0	
Net Cooling (Ttl/Sens)	46.8 / 33.3 MBH	Entering	80.0	67.0
Coil Moisture Removal	12.70 lb/hr	Total Leaving – (Coil)	58.0	56.7
System Moisture Removal	12.70 lb/hr	Total Leaving – (Unit)	59.9	57.4

ARI Performance		Compressors		Refrigerant		Condensate Drain	
ARI Cooling	50.1 / 49.0 MBH	Cooling Stages	2	Type	R-410A	Qty	1
ARI Power	3,800 W	Compressor Qty	1	Charge	5 LBS. 4 OZ.	Size	1 in.
		Compressor RLA	4.9 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	87.0 / 66.0 MBH	Total Leaving	49.8	Heat Stages	2
Input (High/Low)	108.0 / 81.0 MBH			Thermal Efficiency NOX	81.0%
Gas Heat Rise	49.8 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	1,600	Nominal Power	1.00 hp	Total	1.20
	0	Required Power	0.99 hp	Ext Supply	1.00
		Drive Type	ECM Direct Drive		
		Required Watts	740 W		
		Motor Torque	67		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.06		0.03	0.04	0.07			

ELECTRICAL

Voltage	575V 3Ph / 60Hz	Compressor RLA	4.9 amp
MCA	11 amp	Cooling FLA Total	9.0 amp
MOCP	15 amp	Condenser FLA	1.1 amp
Condenser Power	300 W	Supply Fan FLA	3.0 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	768 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	629 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	**(4)** 20.0 in. x 20.0 in. x 2.0 in.	Gas Heat Weight	8 lb
Sound Rating	75 dBA		

Tag: RTU-1 through RTU-5

Factory Installed Options

High Performance Economizer Upgrade Factory Installed
Single Sensible High Performance Economizer
Direct Drive
Unit Orientation Downflow
Supply Fan: Multi-Speed ECM Direct Drive
550V/575V/600V 3Phase
80Amp Non-Fused Disconnect Factory Installed
Built-in BACnet IP and MS/TP (standard)
Supply Motor - 1.0 Hp ECM - Multi-Speed Direct Drive
Barometric Relief Damper Factory Installed
108K A.S. (Dual Stage)
Low Nox Factory Installed
Hinged Access Doors Factory Installed
20A GFCI Factory Installed/Field Wired
Blower Proving Switch Factory Installed
Environ Evaporator and Condenser Coil System Factory Installed
Drain Pan Overflow Switch Factory Installed
2" Pleat MERV13 - Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
22H54	5	PVC Drain Trap Field Installed
10C89	5	Weatherproof GFCI Cover Field Installed
23V87	5	CO2 Sensors - Duct-mount, black plastic case, no display, rated for plenum mounting Field Installed
85L43	5	CO2 Sensor Duct Mounting Kit Field Installed
Y1037	5	BRB T1 CURB (024-072) BURGLAR BARS
Y5656	5	HN TH8320R1003 VisionPro RedLink 3H2C

Product Features

Cabinet

Hinged Access Panels
Durable Outdoor Enamel Paint Finish
Totally Enclosed Outdoor Fan Motor
PVC Coated Fan Guard
Corrosion-Resistant Removable, Reversible Drain Pan
Isolated Compressor Compartment

Cooling System

Scroll Compressor
Expansion Valves
High Capacity Driers
Crankcase Heater
System can operate from 0°F to 125°F without any additional controls
Pre-charged Refrigeration System
Timed Off Control
Internal Pressure Relief Valve
Thermostat Control – 2 Stages of Cooling

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
Electronic Flame Sensor
Direct Spark Ignition
Inshot Burners
AGA-CGA Certified
If configured for room sensor control, additional staging may be possible. Refer to performance tables within the EHB

Control System

Fan and Limit Controls
Overload Protection
Microprocessor Controls – Lennox® CORE Control System
Auto reset high & low pressure switch with strike 3 lockout feature in Lennox® CORE Control System

Built-in BACnet IP & MS/TP
Return Air Sensor Factory Installed
Outdoor Air Sensor Factory Installed
Factory Installed Discharge Air Sensor

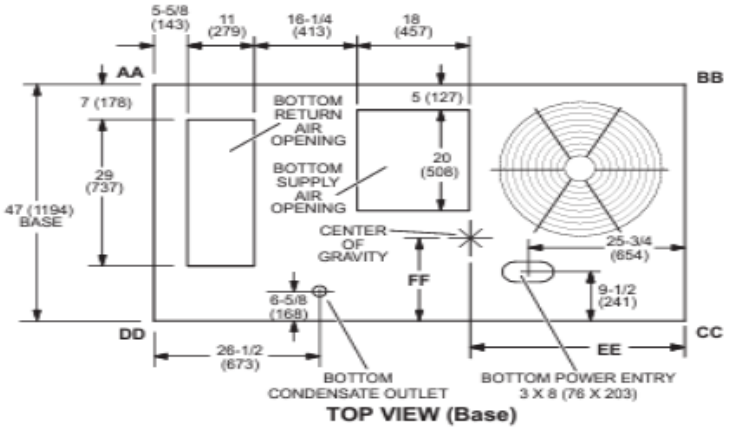
Compliance

Components are Bonded for Grounding
Factory Test Operated
All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8
All models meet DOE 2018 and 2023 energy efficiency standards
Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow
Model meets HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596) and meet 2018 International Building Code (IBC), 2019 California Building Code (CBC) ASCE 7, and ICC-ES AC156
ISO 9001 Registered Manufacturing Quality System

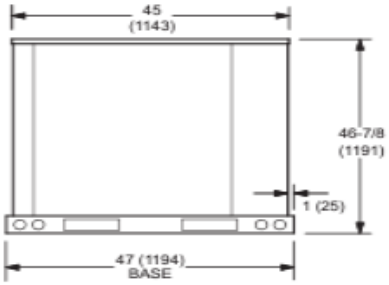
Warranty

Limited warranty on aluminized heat exchanger of 10 years
Limited warranty on compressor of 5 years
Limited warranty on Environ Coil System of 3 years
Limited warranty on High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details
Limited warranty on Lennox® CORE Control System of 3 years

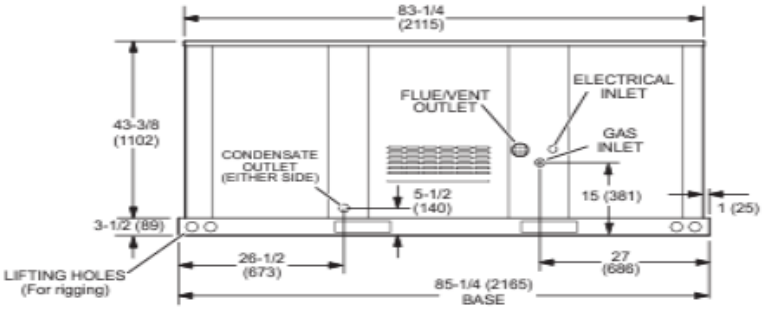
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	168	161	207	220	283	179	230	38.25	39.75	19.88	19.88



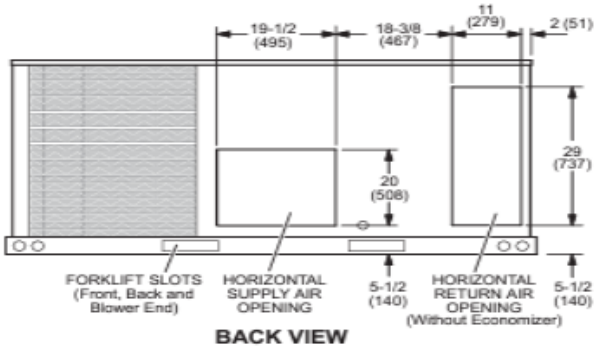
TOP VIEW (Base)



END VIEW

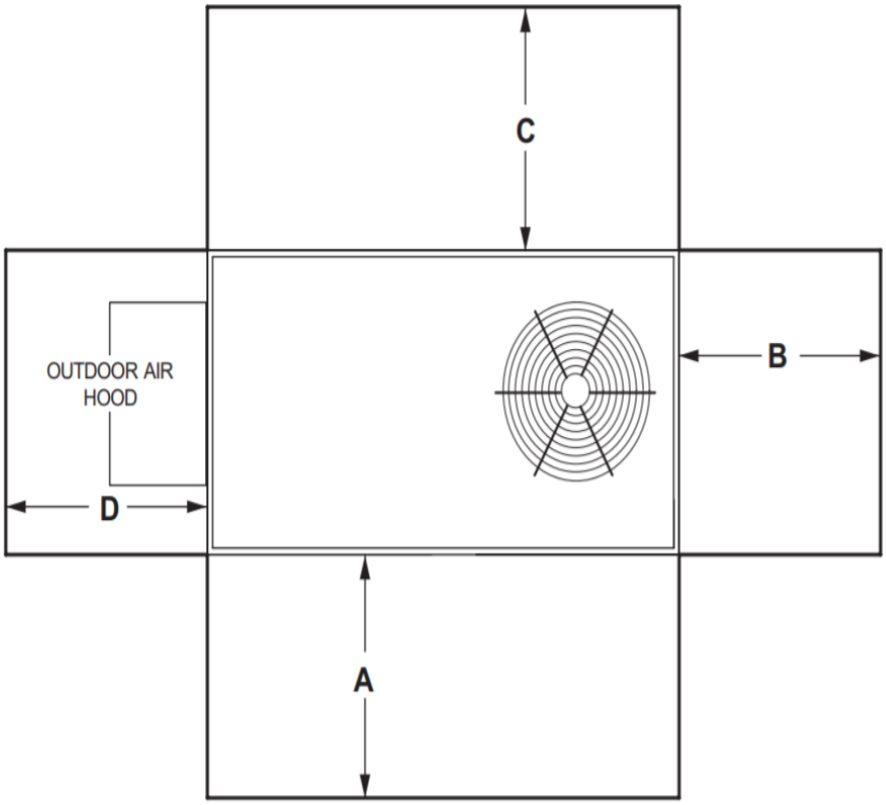


SIDE VIEW



BACK VIEW

UNIT CLEARANCES



[1] Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

[1] **Service Clearance** - Required for removal of serviceable parts.
Clearance to Combustibles - Required clearance to combustible material.
Minimum Operation Clearance - Required clearance for proper unit operation.

Lennox National Accounts
Project Submittal

Tag: RTU-6
Model: LGT036H4E - LGT036H4E-J 3T CONF S=17.0

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
575V 3Ph 60Hz	17 13.3	8 / 15	37.0 / 26.6	35.0 / 24.7	1,200	1.00 / 1.16	80.0 / 67.0	58.6 / 56.8

COOLING

Cooling Performance		Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	37.0 / 26.6 MBH	Ambient	95.0	
Net Cooling (Ttl/Sens)	35.0 / 24.7 MBH	Entering	80.0	67.0
Coil Moisture Removal	9.76 lb/hr	Total Leaving – (Coil)	58.6	56.8
System Moisture Removal	9.76 lb/hr	Total Leaving – (Unit)	60.2	57.4

ARI Performance		Compressors		Refrigerant		Condensate Drain	
ARI Cooling	36.6 / 36.0 MBH	Cooling Stages	2	Type	R-410A	Qty	1
ARI Power	2,700 W	Compressor Qty	1	Charge	5 LBS. 11 OZ.	Size	1 in.
		Compressor RLA	3.4 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	87.0 / 66.0 MBH	Total Leaving	66.4	Heat Stages	2
Input (High/Low)	108.0 / 81.0 MBH			Thermal Efficiency NOX	81.0%
Gas Heat Rise	66.4 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	1,200	Nominal Power	0.50 hp	Total	1.16
	0	Required Power	0.62 hp	Ext Supply	1.00
		Drive Type	ECM Direct Drive		
		Required Watts	464 W		
		Motor Torque	83		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.03		0.02	0.04	0.07			

ELECTRICAL

Voltage	575V 3Ph / 60Hz	Compressor RLA	3.4 amp
MCA	8 amp	Cooling FLA Total	6.2 amp
MOCP	15 amp	Condenser FLA	1.1 amp
Condenser Power	175 W	Supply Fan FLA	1.7 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	769 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	630 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	**(4)** 20.0 in. x 20.0 in. x 2.0 in.	Gas Heat Weight	8 lb
Sound Rating	75 dBA		

Tag: RTU-6

Factory Installed Options

High Performance Economizer Upgrade Factory Installed
Single Sensible High Performance Economizer
Direct Drive
Unit Orientation Downflow
Supply Fan: Multi-Speed ECM Direct Drive
550V/575V/600V 3Phase
80Amp Non-Fused Disconnect Factory Installed
Built-in BACnet IP and MS/TP (standard)
Supply Motor - 0.50 Hp ECM - w/ MSAV
Barometric Relief Damper Factory Installed
108K A.S. (Dual Stage)
Low Nox Factory Installed
Hinged Access Doors Factory Installed
20A GFCI Factory Installed/Field Wired
Phase/Voltage Detection Factory Installed
Blower Proving Switch Factory Installed
Environ Evaporator and Condenser Coil System Factory Installed
Drain Pan Overflow Switch Factory Installed
2" Pleat MERV13 - Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
22H54	1	PVC Drain Trap Field Installed
10C89	1	Weatherproof GFCI Cover Field Installed
23V87	1	CO2 Sensors - Duct-mount, black plastic case, no display, rated for plenum mounting Field Installed
85L43	1	CO2 Sensor Duct Mounting Kit Field Installed
Y1037	1	BRB T1 CURB (024-072) BURGLAR BARS
Y5656	1	HN TH8320R1003 VisionPro RedLink 3H2C

Product Features

Cabinet

Hinged Access Panels
Durable Outdoor Enamel Paint Finish
Totally Enclosed Outdoor Fan Motor
PVC Coated Fan Guard
Corrosion-Resistant Removable, Reversible Drain Pan
Isolated Compressor Compartment

Cooling System

Scroll Compressor
Expansion Valves
High Capacity Driers
Crankcase Heater
System can operate from 0°F to 125°F without any additional controls
Pre-charged Refrigeration System
Timed Off Control
Internal Pressure Relief Valve
Thermostat Control – 2 Stages of Cooling

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
Electronic Flame Sensor
Direct Spark Ignition
Inshot Burners
AGA-CGA Certified
If configured for room sensor control, additional staging may be possible. Refer to performance tables within the EHB

Control System

Fan and Limit Controls
Overload Protection
Microprocessor Controls – Lennox® CORE Control System

Auto reset high & low pressure switch with strike 3 lockout feature in Lennox® CORE Control System
Built-in BACnet IP & MS/TP
Return Air Sensor Factory Installed
Outdoor Air Sensor Factory Installed
Factory Installed Discharge Air Sensor

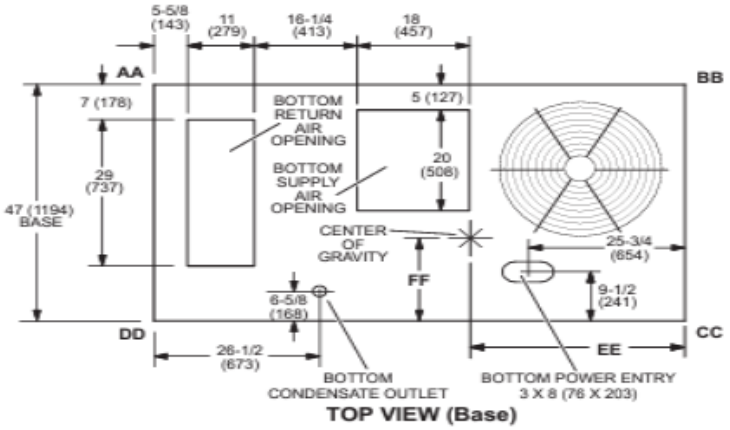
Compliance

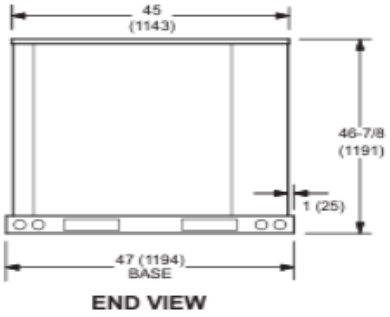
Components are Bonded for Grounding
Factory Test Operated
All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8
All models meet DOE 2018 and 2023 energy efficiency standards
Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow
Model meets HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596) and meet 2018 International Building Code (IBC), 2019 California Building Code (CBC) ASCE 7, and ICC-ES AC156
ISO 9001 Registered Manufacturing Quality System

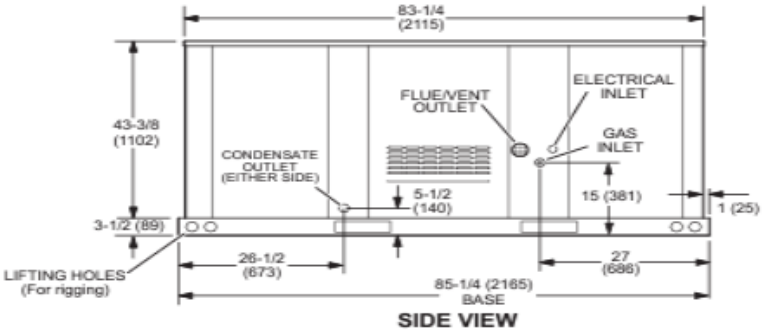
Warranty

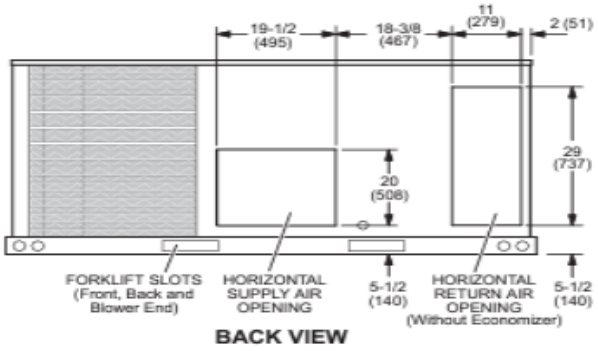
Limited warranty on aluminized heat exchanger of 10 years
Limited warranty on compressor of 5 years
Limited warranty on Environ Coil System of 3 years
Limited warranty on High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details
Limited warranty on Lennox® CORE Control System of 3 years

Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	168	161	207	220	283	179	230	38.25	39.75	19.88	19.88

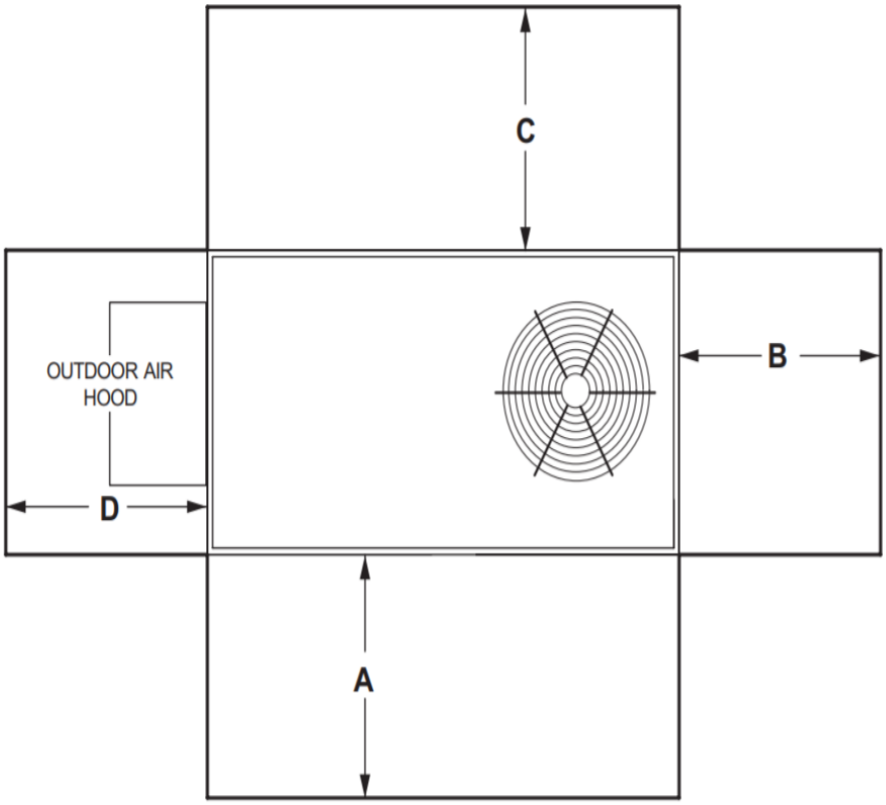








UNIT CLEARANCES



[1] Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

[1] **Service Clearance** - Required for removal of serviceable parts.
Clearance to Combustibles - Required clearance to combustible material.
Minimum Operation Clearance - Required clearance for proper unit operation.

Lennox National Accounts
Project Submittal

Tag: Miscellaneous Items

Miscellaneous Items

Tag	Catalog Number	Qty	Description
(6) RTU Screens			
	COMSD	1	RTU Screen for each unit
(6) 18" Custom curb with Iso Heads			
	COMSD	1	Curb w/ iso head for each unit