

GENERAL APPLICATION FOR WORK LOCATED WITHIN A HISTORIC DISTRICT

- ☒ Minor Work (Complete Section A and refer to General Directions)
☐ New Construction (Complete Section B and refer to General Directions and Item B)
☐ Demolition (Complete Section B and refer to General Directions and Item C)

Application Deadline: Application and materials must be completed and submitted by 4:00 p.m. ten (10) business days before each Commission Meeting. Late applications will be placed on the agenda for the following month. Decision by the Commission will not necessarily occur at the meeting at which the application materials are first received.

A) MINOR WORK

PROPERTY LOCATION: 7452 Main St. (French Lane side) 057-800-000-00
(Number) (Street) (Property Tax ID #)

PROPERTY OWNER

Name: Great Turtle Brewery Email Address: Melanie@melanilibby.com
Address: 15210 Golfview Ct. Hillman MI 49746
(Street) (City) (State) (Zip)
Telephone: 989-657-6911
(Home) (Business) (Fax)

APPLICANT/CONTRACTOR

Name: Melanie Libby / Straits Heating & Plumbing Email Address: cory@straitshc.com
Address: 393 N. State St. St. Ignace MI 49781
(Street) (City) (State) (Zip)
Telephone: 800-684-2949
(Home) (Business) (Fax)

emailed
emailed
Attach a brief description of the nature of the minor work proposed and the materials to be used.
Attach one or more photograph(s) of the whole building including façade and any relevant elevations showing the area, item or feature proposed to be repaired or replaced. The Building Official or Historic District Commission may require additional information necessary to determine the work to be Minor Work.

If the Building Official determines that the proposed work is not Minor Work, the Building Official shall direct the applicant to complete an Application for New Work and/ or Application for Demolition or Moving work which will then be referred to the HDC.

I certify that the information provided in this Application and the documents submitted with this Application are true to the best of my information, knowledge and belief; and that the property where work will be undertaken has, or will have before the proposed project completion date, a fire alarm system or a smoke alarm complying with the requirements of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MLC 125.1501 to 125.1531

emailed
emailed
SIGNATURES
Signature Melanie Libby File No. HB25-000-029(4)
Please Print Name Melanie Libby Exhibit A
Date 4-24-25
Please Print Name
Initials KP

NOTE: All photos, drawings and physical samples, etc., become the property of the HDC/City of Mackinac Island. These may be returned to the applicant upon request after they are no longer needed by the Commission/City.

RETURN THIS FORM AND SUPPORTING MATERIALS TO:
MACKINAC ISLAND BUILDING OFFICIAL
7358 MARKET STREET, MACKINAC ISLAND, MI 49757
PHONE: (906) 847-4035

File Number: HB25-000-029(4) Date Received: 4-24-25 Fee: 250 + 1.00
Received By: [Signature] Work Completed Date: _____

Great Turtle Brewery

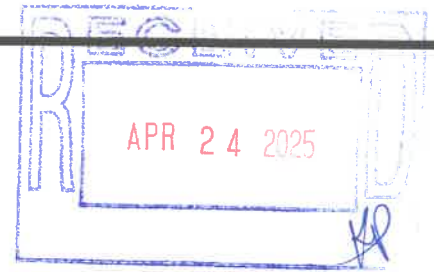
Because the HVAC system for the Great Turtle Brewery has become antiquated and unrepairable replacement is necessary. The new HVAC system required replacement of existing condensing units. The smallest condenser that is compatible with the new system has a smaller footprint, but stands a bit taller. While most of the unit remains unseen behind the existing fence, the new unit stands about a foot taller than the prior unit. (Again we did not have the option of retaining the original condenser as it was incompatible with the new HVAC system.) Additionally, these units are along French Lane and do not impact the Main Street view of the building.

RECEIVED
APR 24 2025
KP

File No. HB25-000-029(H)
Exhibit B
Date 4.24.25
Initials KP

Katie Pereny

From: Melanie Libby <melanie@melanielibby.com>
Sent: Wednesday, April 23, 2025 2:28 PM
To: Katie Pereny
Cc: ira@iramgreen.com
Subject: Great Turtle Brewery HDC Application

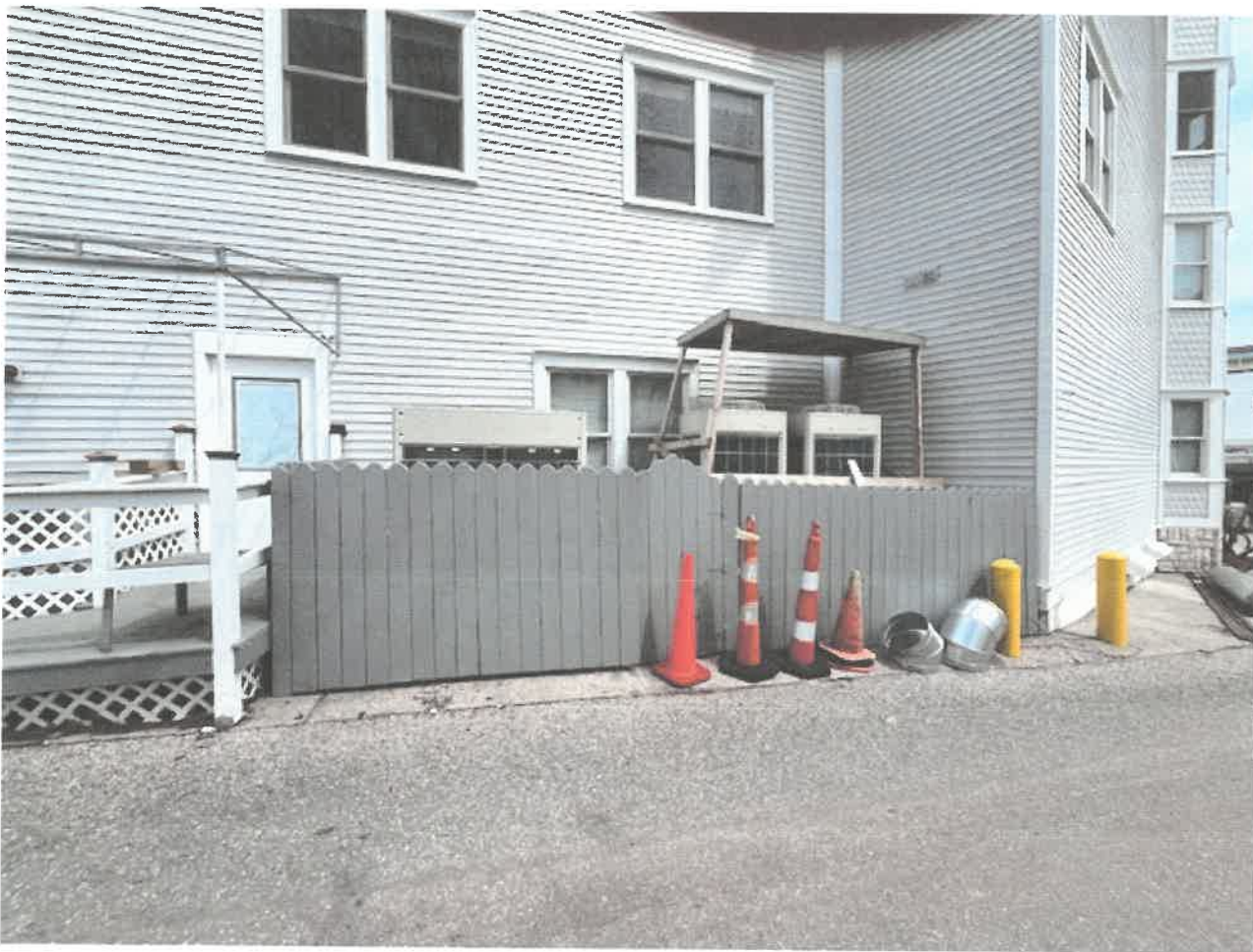


Great Turtle Brewery HDC Application

The single condenser on the left behind the privacy fence, replaces two antiquated units.

(The two units on the right are existing and belong to Lake View Hotel)

This is the view from French Lane. (This area is tucked into the side of the hotel and not visible from Main Street)



Warm regards,
Melanie. Sent from my iPhone

File No. #B25-000-029(4)
Exhibit C
Date 4-24-25
Initials KP

File No. HB25-000-029(4)Exhibit 7Date 4.24.25

FUJITSU

Initials KP

SUBMITTAL

AQUA168ULCV5

AIRSTAGE **VU-V**

14 ton HP/HR Outdoor unit, 460 VAC, 3-phase, 60 Hz

1 X (AQUA168ULCV5)

Job Name

Location

Engineer

Submitted To

Submitted By

Reference

Date

Approval

Construction

Unit No

Drawing No

Features

- Compact outdoor unit with single chassis up to 16 tons
- Extended heating capacity to -15 F and cooling to 126 F
- Heat pump and Heat Recovery options with same SKU
- Up to 64 Indoor units connectable to 36 ton System
- High static pressure of 0.44 in. W.C on the outdoor fan
- Base pan heater Standard
- Intelligent refrigerant control and operation logic
- Inverter driven scroll compressor and large accumulator
- 10 year Extended Warranty on parts and compressor. See Warranty Statement.



CAPACITY

Nominal Cooling Capacity - BTU/h [kW]	168000[49.2]
Nominal Heating Capacity - BTU/h [kW]	188,000[55.1]
Nominal Tonnage - Ton(s)	14
Maximum Connectable Indoor Units	37
Connectable Capacity	50% to 150%
Cooling Power Input (HR/HP) - kW	12.71/12.78
Heating Power Input (HR/HP) - kW	13.60/13.55
Unit Group	AQUA168ULBV5

OUTDOOR TEMPERATURE OPERATION RANGE

Operating Temp. Cooling (HR/HP) - °F [°C]	14 to 126[-10 to 52] / 5 to 126[-15 to 52]
Operating Temp. Heating (HR/HP) - °F [°C]	-15 to 70[-26 to 21]
Operating Temp. Cooling/Heating Simultaneous(HR) - °F [°C]	14 to 70[-10 to 21]

EFFICIENCY

EER Cooling (Non Ducted/Ducted)	12.2/11.5
High COP (Non Ducted/ Ducted)	3.78/3.61
Low COP (Non Ducted/ Ducted)	2.32/2.30
IEER (Non Ducted/ Ducted)	25.70/19.90
SCHE (Non Ducted/ Ducted)	28.40/25.20

ELECTRICAL

Electrical Power Requirements	460 V - 60 Hz
Voltage Range	414-506 V
Maximum Circuit Breaker - A	40
Minimum Circuit Ampacity (MCA) - A	34.8
Cooling Power Input (HR/HP) - kW	12.71/12.78
Heating Power Input (HR/HP) - kW	13.60/13.55
Maximum Starting Current (MSC) - A	26.6
Compressor - Rated Load Amperage (RLA) - A	22.9
Fan Motor - Full Load Amperage (FLA) - A	3.7

WIRING

Communication Cable	LonWorks (Fujitsu Pink Cable. See bulletin A20221205A)
---------------------	--

PIPING

Max. Total Refrigerant Line Length - ft [m]	2,296 [700]
Max Height Diff. (OD & ID) (Upper/Lower) - ft [m]	164/131 [50/40]
Max. Refrig. Line Length 1st Sep. tube to farthest IU - ft [m]	295 [90]
Pipe Connection Method: Liquid/Gas	Brazing
Pipe Connection: Liquid - in [mm]	5/8 [15.88]
Pipe Connection: Discharge Gas - in [mm]	7/8 [22.22]
Pipe Connection: Suction Gas - in [mm]	1-1/8 [28.58]
Maximum Length - Outdoor Unit to Indoor Unit - ft [m]	541 [165]

SOUND

Sound Pressure Levels (Cooling/Heating) - dB(A)	61/64
---	-------

WEIGHT

Net Weight - lbs [kg]	944 [428]
Gross Weight - lbs [kg]	1049 [476]

DIMENSIONS

Dim.Net (HxWxD) - in [mm]	66-9/16 x 63 x 30-1/8 [1,690 x 1,600 x 765]
Dim.Gross (HxWxD) - in [mm]	73-1/4 x 66-9/16 x 35-3/8 [1,860 x 1,690 x 898]

CODE

AHRI Certified	Standard 1230
ETL	220324030GZU-001

COMPRESSOR

Compressor Type	Scroll (Inv) x 2
Refrigerant Type	R410A
Refrigerant Charge - lbs [kg]	26.01 [11.8]
Compressor Crankcase Heater - W	35 x 2
Refrigerant Oil / Lubricant	PVE
Compressor Capacity Control - Steps/Range	106 steps/ 12.5 to 100%
Compressor Starting Current - SC (A)	26.6

FAN

Fan Type	Propeller fan x 2
Fan Airflow Rate - CFM [m3/h]	13,067 [22200]
Fan Power Output - W	750 x 2
Fan Motor - Full Load Amperage (FLA) - A	3.7
External Static Pressure (Max) - in.WG [Pa]	0.44 [110]
Motor Output Direct-Drive Inverter - kW	0.75

HEAT EXCHANGER

H. E. Pipe Type (Material)	Grooved H-pin (Copper)
H. E. Fin Tube (Material)	Corrugate (Aluminum)
H. E. Fin Surface Treatment	Corrosion resistance (Blue fin)
H. E. Fin Pitch - FPI [mm]	18 [1.45]
H. E. Rows x Stages	3 x 60
H. E. Face Area - Ft² [m²]	40 [3.7]
H. E. Length - in [mm]	57-7/8 [1,470] x 2

Note: Specifications are based on the following conditions:

Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.

Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.

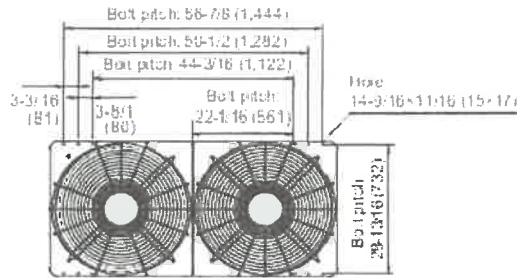
Pipe length: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit - indoor unit).



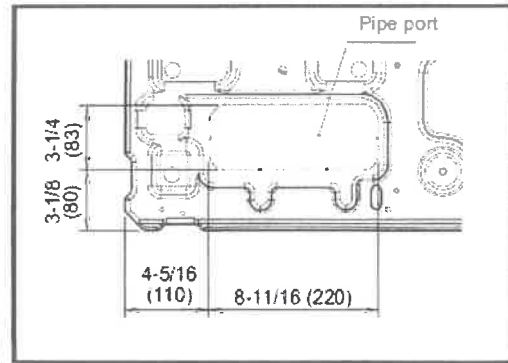
Fujitsu General America, Inc.
340 Changebridge Road, 3rd Floor
Pine Brook, NJ 07058
Toll Free: (888) 888-3424
Fax: (973) 836-0453
www.fujitsugeneral.com

DIMENSIONS

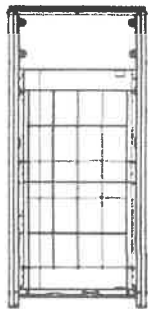
Unit: in (mm)



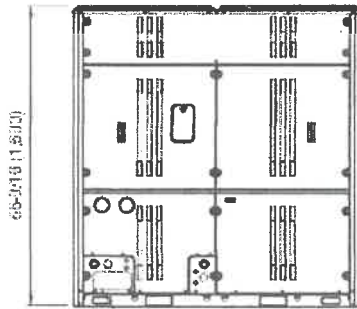
Top view



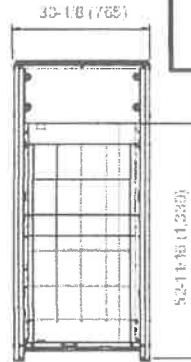
Detail B: Top view



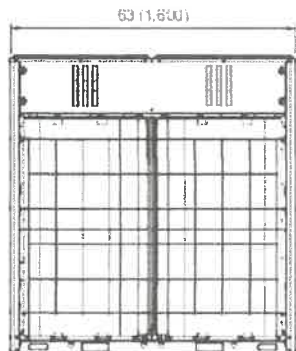
Left view



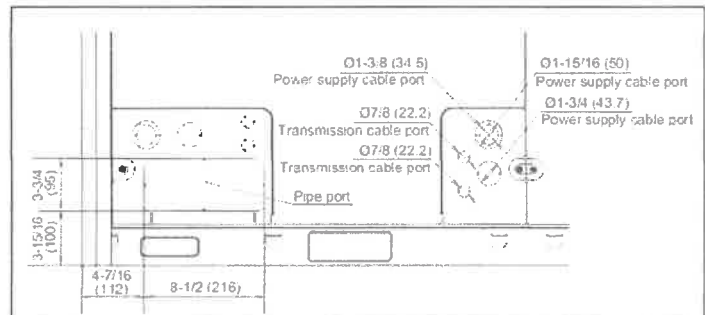
Front view



Right view



Rear view



Detail A: Front view