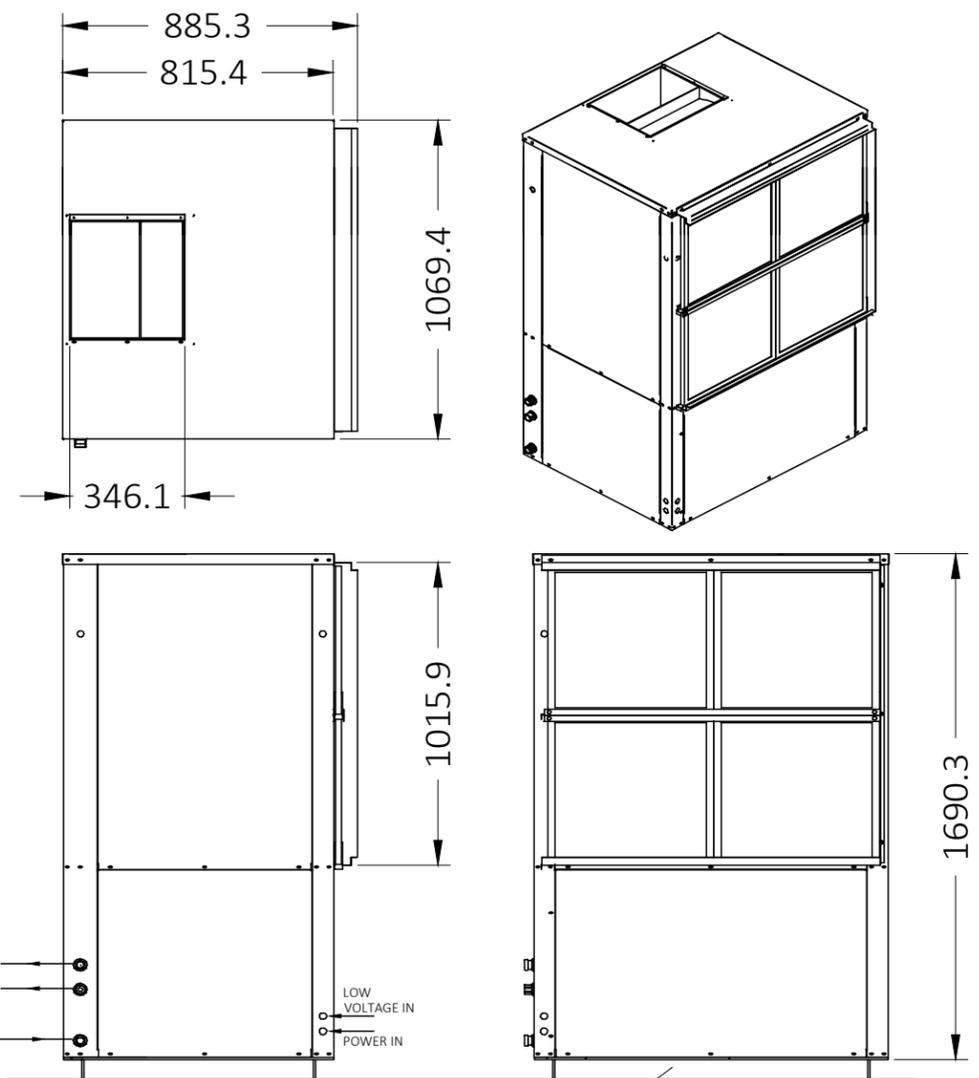


| RÉVISIONS |             |                      |           |
|-----------|-------------|----------------------|-----------|
| NO.       | DATE        | DESCRIPTION          | PAR / BY  |
| 0         | 31 OCT 2014 | OFFICIAL ISSUE       | M. VIDORI |
| 1         | 10 NOV 2014 | REVISIONS ON SHEET 3 | M. VIDORI |

| RÉFÉRENCES |        |                     |             |
|------------|--------|---------------------|-------------|
| NO.        | AUTEUR | TITRE / DESCRIPTION | ID DOCUMENT |
| 0          |        |                     |             |

NOTES



INSTALL 2-1/2 INCH ANGLE IRON AROUND THE PERIMETER OF THE UNIT  
FASTEN WITH Ø3/8-18 ST. STEEL FASTENERS TO UNIT LOWER FRAME AT 6 INCHES ON CENTRE  
SPOT WELD THE FRAME TO THE SHIP DECK

PROJECT/TAG: MAIN DECK UNIT

| JOB SCHEDULE                    | TOTAL BTUH | WATTS INPUT | SENSIBLE BTUH | HEAT/REJ BTUH | EER        | GPM | EWT/LWT            | EAT       | LAT   |
|---------------------------------|------------|-------------|---------------|---------------|------------|-----|--------------------|-----------|-------|
| COOLING                         | 137,387    | 7,930       | 87,621        | 164,234       | 18.6       | 35  | 90/100             | 80/67     | 56/54 |
| ELECTRICAL DATA                 |            | BLOWER      |               |               | COMPRESSOR |     | MIN. CKT. AMPACITY | MAX. FUSE |       |
| VOLTAGE                         | PHASE/HZ   | HP          | FLA           | RLA           | LRA        |     |                    |           |       |
| 575                             | 3/60       | 3           | 3.5           | 2 x 7.6       | 2 x 54     | 21  |                    | 25        |       |
| BLOWER PERFORMANCE              |            |             | COMMENTS:     |               |            |     | INSTALLED WEIGHT   |           |       |
| EXT. STATIC PRESS. I.W.G/PoH2O. |            | 2           |               |               |            |     | LBS.               | 790       |       |
| CFM                             |            | 3,351       |               |               |            |     | KG.                | 358       |       |

SPECIFICATION:

Unit is complete package unit with a green refrigerant (R410a), unit comes with scroll compressor, tx valve metering device, air type evaporator, water regulating valve and coaxial type condenser. Also supplied with an electronic lock out board. Unit is insulated with 1/2" duct liner and enclosure is painted with a white powder paint. Unit c/w standard 2" pleated filters. Unit shall have 2 completely independant refrigerant circuits, with two compressors. OPTION INCLUDED: Cupro nickel condenser, marine water valve factory installed, heresite evaporator and acousticap on compressor.



FOR  
**CONCEPT NAVAL**  
EXPERTS-CONSEILS | GÉNIE MARITIME

|   |                                       |   |
|---|---------------------------------------|---|
| CLIENT/CLIENT:<br><b>CANADIAN COAST GUARD</b>       | NO. DESSIN/DWG NB:<br>C14-40-512-05   | NO. DESSIN CLIENT/ CLIENT DWG NB.<br>---- |
| PROJET/PROJECT:<br>EARL GREY EQUIPMENT RENEWAL      | DESSINE/DRAWN:<br>R. CHOUDHURY        | VERIFIÉ/<br>CHECKED:<br>P. N.             |
| TITRE/TITLE:<br>SELF-CONTAINED A/C UNIT (MAIN DECK) | APPROUVÉ/APPROVED:<br>M. VIDORI, ing. | ----                                      |
| ÉCHELLE/SCALE:<br>NTS                               | FEUILLE/SHEET:<br>1 / 3               | REV:<br>1                                 |

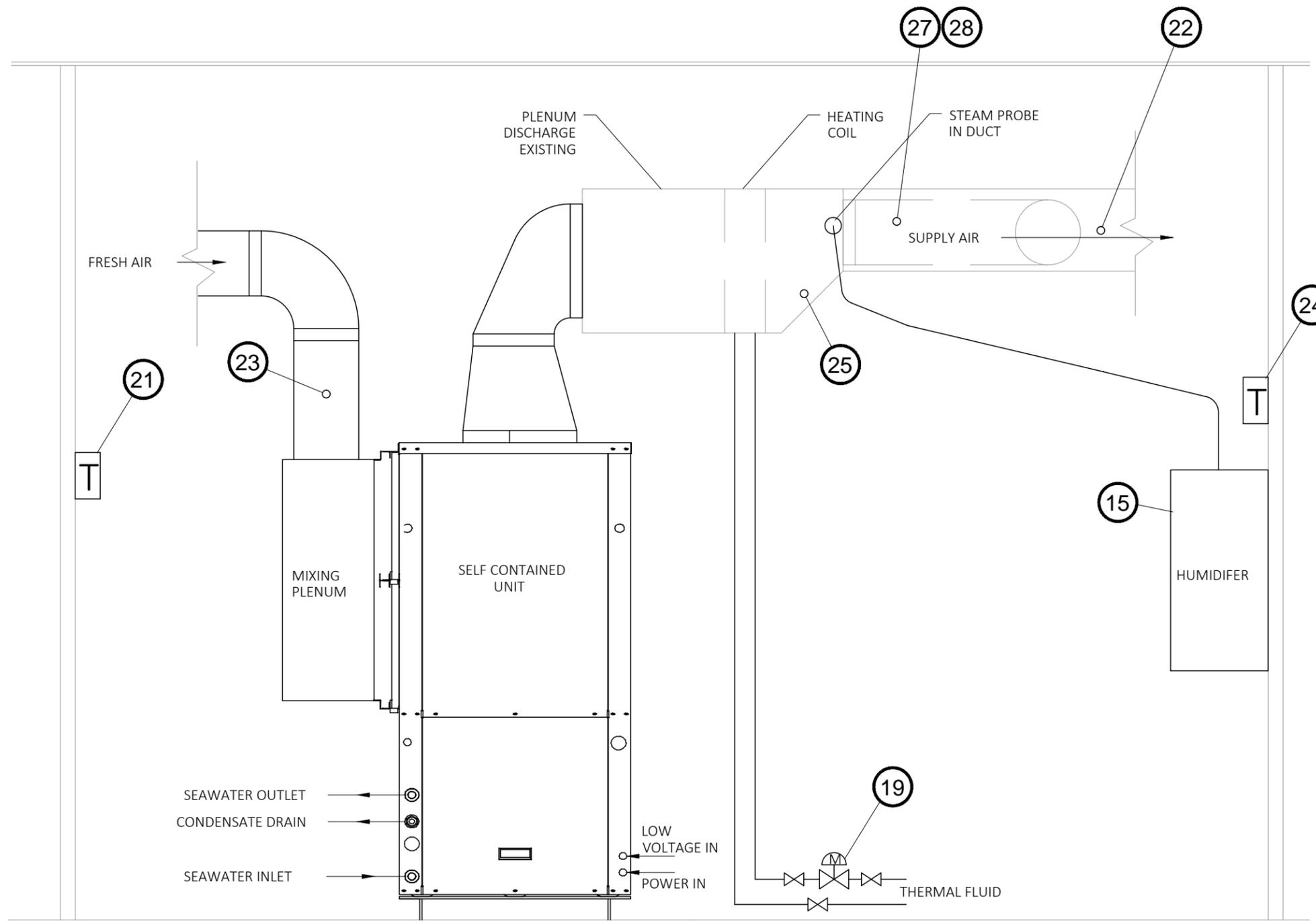
| RÉVISIONS |             |                              |           |
|-----------|-------------|------------------------------|-----------|
| NO.       | DATE        | DESCRIPTION                  | PAR / BY  |
| 0         | 31 OCT 2014 | OFFICIAL ISSUE               | M. VIDORI |
| 1         | 10 NOV 2014 | ADDED COMPONENT DESCRIPTIONS | M. VIDORI |

| RÉFÉRENCES |        |                     |             |
|------------|--------|---------------------|-------------|
| NO.        | AUTEUR | TITRE / DESCRIPTION | ID DOCUMENT |
| 0          |        |                     |             |

**NOTES**

- ①⑨ HEATING CONTROL VALVE
- ②① MAIN THERMOSTAT
- ②② HIGH LIMIT HUMIDITY SENSOR
- ②③ OUTDOOR AIR SENSOR
- ②④ HEATING THERMOSTAT
- ②⑤ HEATING TEMPERATURE SENSOR
- ②⑦ AIRFLOW SWITCH
- ②⑧ AIRFLOW SWITCH PROBE

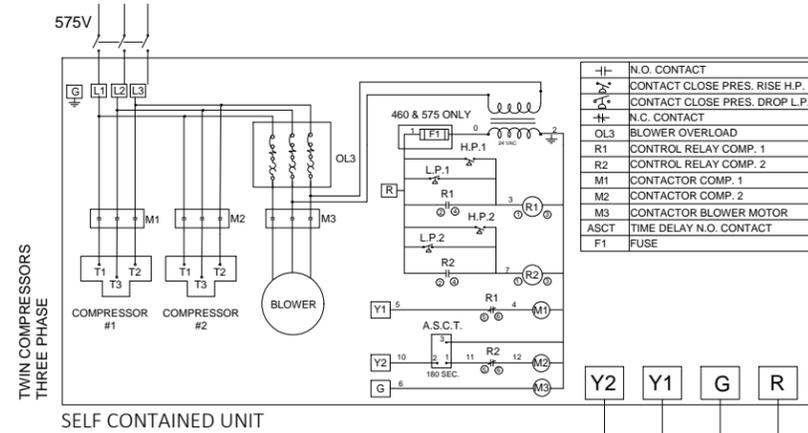


THIS SCHEMATIC DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY AND DOES NOT NECESSARILY REFLECT ACTUAL FIELD CONDITIONS



|   |                                     |   |
|---|-------------------------------------|---|
| CLIENT/CLIENT:<br>CANADIAN COAST GUARD              | NO. DESSIN/DWG NB:<br>C14-40-512-05 | NO. DESSIN CLIENT/ CLIENT DWG NB.<br>---- |
| PROJET/PROJECT:<br>EARL GREY EQUIPMENT RENEWAL      | DESSINÉ/DRAWN:<br>R. CHOUDHURY      | APPROUVÉ/APPROVED:<br>M. VIDORI, ing.     |
| TITRE/TITLE:<br>SELF-CONTAINED A/C UNIT (MAIN DECK) | VÉRIFIÉ/<br>CHECKED:<br>P. N.       | ----                                      |
| ÉCHELLE/SCALE:<br>NTS                               | FEUILLE/SHEET:<br>2 / 3             | REV:<br>1                                 |

EXISTING FIELD INSTALLED DISCONNECT SWITCH  
USE COPPER SUPPLY WIRES

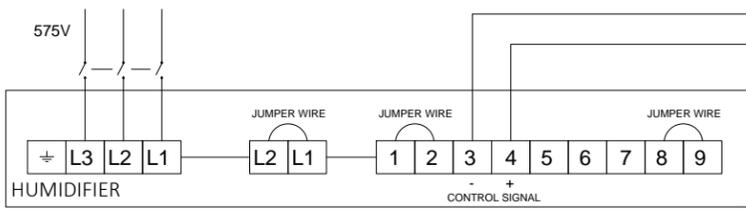


TWIN COMPRESSORS  
THREE PHASE

SELF CONTAINED UNIT

|   |                               |
|---|-------------------------------|
| + | N.O. CONTACT                  |
| + | CONTACT CLOSE PRES. RISE H.P. |
| + | CONTACT CLOSE PRES. DROP L.P. |
| + | N.C. CONTACT                  |
| + | OL3 BLOWER OVERLOAD           |
| + | R1 CONTROL RELAY COMP. 1      |
| + | R2 CONTROL RELAY COMP. 2      |
| + | M1 CONTACTOR COMP. 1          |
| + | M2 CONTACTOR COMP. 2          |
| + | M3 CONTACTOR BLOWER MOTOR     |
| + | ASCT TIME DELAY N.O. CONTACT  |
| + | F1 FUSE                       |

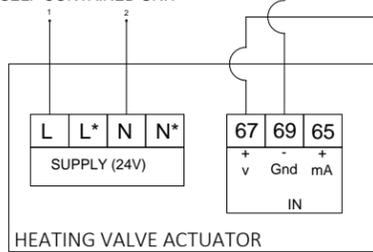
NEW FIELD INSTALLED DISCONNECT SWITCH  
USE COPPER SUPPLY WIRES



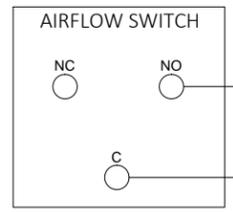
HUMIDIFIER

CONTROL SIGNAL

24V POWER SUPPLY FROM  
SELF CONTAINED UNIT



HEATING VALVE ACTUATOR

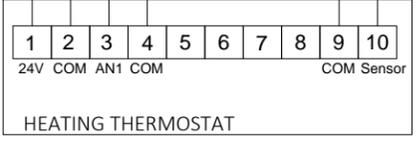


AIRFLOW SWITCH

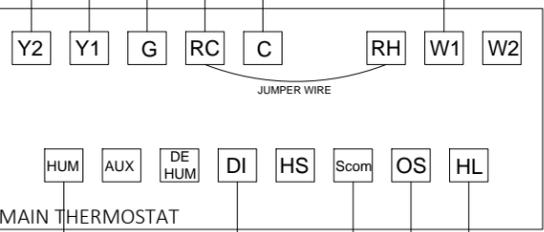
See Note 1

OUTDOOR SENSOR

HEATING SENSOR



HEATING THERMOSTAT



JUMPER WIRE

MAIN THERMOSTAT

| RÉVISIONS |             |                |           |
|-----------|-------------|----------------|-----------|
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| 1         | 10 NOV 2014 | ADDED NOTE 1   | M. VIDORI |

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| NO.        | AUTEUR | TITRE / DESCRIPTION | ID DOCUMENT |
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NOTES

- DI input on thermostat shall be set to Fan Lock (open contact). Refer to manual.



CLIENT/CLIENT: CANADIAN COAST GUARD  
 PROJET/PROJECT: EARL GREY EQUIPMENT RENEWAL  
 TITRE/TITLE: SELF-CONTAINED A/C UNIT (MAIN DECK)  
 ÉCHELLE/SCALE: NTS  
 FEUILLE/SHEET: 3 / 3  
 REV: 1

NO. DESSIN/DWG NB: C14-40-512-05  
 DESSINE/DRAWN: R. CHOUDHURY  
 VÉRIFIÉ/CHECKED: P. N.  
 NO. DESSIN CLIENT/CLIENT DWG NB: ----  
 APPROUVÉ/APPROVED: M. VIDORI, ing.  
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