MECHANICAL FLOOR PLAN EXISTING FIRST FLOOR DUCTWORK LAYOUT

SCALE 1" = 1'-0"

MECHANICAL LEGEND

SCOPE OF WORK

1. Provide all necessary Ductwork according to Schedule and Construction Specifications.
2. Complete all necessary Ductwork related to mechanical systems.
3. Complete all necessary minor and minor electrical systems.
4. All necessary Ductwork shall be arranged and properly connected to all necessary mechanical systems.
5. Complete all necessary Ductwork associated with the layout and installation.
6. Complete all necessary Ductwork associated with the installation.

MECHANICAL NOTES:

1. Provide all necessary Ductwork according to Schedule and Construction Specifications.
2. Complete all necessary Ductwork related to mechanical systems.
3. Complete all necessary minor and minor electrical systems.
4. All necessary Ductwork shall be arranged and properly connected to all necessary mechanical systems.
5. Complete all necessary Ductwork associated with the layout and installation.
6. Complete all necessary Ductwork associated with the installation.

PROJECT:

TOWN HALL BUILDING NEW CHILLED WATER SYSTEM

ALFREDO M. CARBONELL, P.E.
CERTIFICATE OF AUTHORIZATION #: 26074
P.E. #: 14170
12355 SW 129 CT. SUIT 4
MIAMI, FLORIDA 33186
PHONE: (305) 251-9177
FAX: (305) 251-8372

Drawn by:

ERICK FLORIDO

Sheet of Sheets.

TOWN OF SURFSIDE
MAY. 25, 2014

PROPERTY FOLIO NUMBER:

ALFREDO M. CARBONELL

2014-05.25
9293 HARDING AVE. SURFSIDE, FL 33154

Plan Description:

MECHANICAL PLAN
FIRST FLOOR
DUCTWORK LAYOUT
AND SCOPE OF WORK

M1
CHILLER PLANT

The chilled water system consists of the following:

1. CHILLER
2. VAV BOXES
3. VAV TERMINALS
4. MOTOR CONTROLLERS
5.ﾂ ﾀ  COOLING TOWER

The chilled water system is designed to meet the cooling load requirements of the building.

For the operation of the chilled water system, please refer to the control system diagram provided with this document.

---

CHILLER CONTROLS:

Network diagram showing the connections and flow paths of the chilled water system. The diagram includes the following components:

- Chiller
- VAV boxes
- Motor controllers

Legend:

- Chilled Water Network
- VAV Boxes
- Motor Controllers

---

The system point description table lists the various components and their respective functions:

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chiller</td>
<td>Cooling system</td>
</tr>
<tr>
<td>VAV Boxes</td>
<td>Temperature control</td>
</tr>
<tr>
<td>Motor Controllers</td>
<td>Drive motors</td>
</tr>
<tr>
<td>Cooling Tower</td>
<td>Heat rejection</td>
</tr>
</tbody>
</table>

---

TOWN HALL BUILDING NEW CHILLED WATER SYSTEM

Designed by ALFREDO M. CARBONELL

12355 SW 129 CT. SUITE 4
MIAMI, FLORIDA 33186
PHONE: (305) 251-9177
FAX: (305) 251-8372

Sheet: M4

Drawn by: ERICK FLORIDO
Revised & Sealed: ALFREDO M. CARBONELL
Date: 2014-05-25

Sheet: 5 of 5

Property Folio Number:

TOWN OF SURFSIDE
MAY. 25, 2014

Plan Description:

CHILLER CONTROLS

---

Scale: -R1