



**MCW Consultants Ltd.**

# Addendum

Date: October 30, 2015

Queen's Quay Terminal  
207 Queen's Quay West, Suite 615  
Toronto, Ontario M5J 1A7

Phone (416) 598-2920  
Fax (416) 598-5394  
www.mcw.com

Project Name: AQUALINA - Bayside  
Client: TRIDEL Corporation  
To: TRIDEL Corporation  
Attention: Chadi Loza  
Fax number: -

Project No.: 8489D  
ADD No.: M 001  
Page No.: 1 of 3 + Attached  
Office: Toronto  
From: Mitch Gascoyne  
Mark Furtado

Distribution: Vince Mirarchi TRIDEL  
Solvera Gomes TRIDEL  
Christina Lee KIRKOR  
Carlos Antunes KIRKOR  
Al Medeiros MCW  
Michael Hunter MCW  
Mark Furtado-MCW  
Sarfraz H. Jaffrey-MCW

In accordance with the drawings and specifications, provide in the tender all costs required to complete the work including items as listed below:

## Title: Amenity area, coordination and various mechanical changes

### Specification:

| Spec | Issued | Items |
|------|--------|-------|
| -    | -      | •     |

### Electrical:

| Drawing No. | Drawing Issued | Items                                                                                                                                                                                                                                                                                                                                      |
|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M1-00       | Yes            | <ul style="list-style-type: none"><li>• Add parking garage hose bibs</li><li>• Revise Stair C pressurization duct routing</li><li>• Add heating water piping to entrance and unit heaters as indicated</li><li>• Add elevator lobby ventilation ductwork to east and west elevator lobby</li><li>• Add fire dampers as indicated</li></ul> |
| M1-01       | Yes            | <ul style="list-style-type: none"><li>• Add parking garage hose bibs</li><li>• Revise Stair C pressurization duct routing</li><li>• Add heating water piping to entrance and unit heaters as indicated</li><li>• Add elevator lobby ventilation ductwork to east and west elevator lobby</li><li>• Add fire dampers as indicated</li></ul> |
| M1-02       | Yes            | <ul style="list-style-type: none"><li>• Add parking garage hose bibs</li><li>• Revise Stair C and Stair D pressurization duct routing</li><li>• Add heating water piping to entrance and unit heaters as</li></ul>                                                                                                                         |

|        |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |     | <ul style="list-style-type: none"> <li>indicated</li> <li>Add elevator lobby ventilation ductwork to east and west elevator lobby</li> <li>Add fire dampers as indicated</li> <li>Add heat tracing to domestic cold water and chilled water piping</li> <li>Add domestic water connections as indicated</li> </ul>                                                                                                                                                                                           |
| M2-01A | Yes | <ul style="list-style-type: none"> <li>Add east and west Condo lobby and Condo office HVAC layouts</li> <li>Add Artscape lobby HVAC layout</li> <li>Add elevator lobby ventilation ductwork to east and west elevator lobby</li> <li>Add sanitary piping as indicated</li> <li>Add domestic water connections as indicated</li> <li>Add fire dampers as indicated</li> <li>Add floor drains as indicated</li> <li>Add heating water piping to entrance and unit heaters as indicated</li> </ul>              |
| M2-01B | Yes | <ul style="list-style-type: none"> <li>Add irrigation capped connections</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| M2-02A | Yes | <ul style="list-style-type: none"> <li>Add east and west Condo lobby HVAC layouts</li> <li>Add Artscape lobby and office HVAC layout</li> <li>Add sanitary piping as indicated</li> <li>Add domestic water connections as indicated</li> <li>Add fire dampers as indicated</li> <li>Add heat tracing to sanitary piping as indicated</li> <li>Add heating water piping to entrance and unit heaters as indicated</li> <li>Add elevator lobby ventilation ductwork to east and west elevator lobby</li> </ul> |
| M2-02B | Yes | <ul style="list-style-type: none"> <li>Add heating water piping to entrance and unit heaters as indicated</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                         |
| M2-03B | Yes | <ul style="list-style-type: none"> <li>Add irrigation capped connections</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| M2-04A | Yes | <ul style="list-style-type: none"> <li>Add Condo amenity HVAC layout</li> <li>Add domestic water connections as indicated</li> </ul>                                                                                                                                                                                                                                                                                                                                                                         |
| M2-07B | Yes | <ul style="list-style-type: none"> <li>Add HVAC layout for Suite 715</li> <li>Add irrigation capped connections</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                   |
| M2-10A | Yes | <ul style="list-style-type: none"> <li>Add HVAC layout for Suite 1034, 1035, 1036</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| M2-10B | Yes | <ul style="list-style-type: none"> <li>Add HVAC layout for Suite 1036</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| M2-11B | Yes | <ul style="list-style-type: none"> <li>Add irrigation capped connections</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| M2-13A | Yes | <ul style="list-style-type: none"> <li>Add irrigation capped connections</li> <li>Add domestic water connections as indicated</li> <li>Add HVAC layout for Artscape amenity</li> <li>Add heating water piping to entrance and unit heaters as indicated</li> </ul>                                                                                                                                                                                                                                           |
| M2-13B |     | <ul style="list-style-type: none"> <li>Add HVAC layout for Artscape amenity</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                       |

|        |     |                                                                                                                      |
|--------|-----|----------------------------------------------------------------------------------------------------------------------|
| M2-14A | Yes | <ul style="list-style-type: none"> <li>Add irrigation capped connections</li> <li>Add ACUA-05 and -06</li> </ul>     |
| M4-01  | Yes | <ul style="list-style-type: none"> <li>Add irrigation riser diagram</li> </ul>                                       |
| M4-02  | Yes | <ul style="list-style-type: none"> <li>Add metering as indicated</li> <li>Add sizes and tags as indicated</li> </ul> |
| M4-11  | Yes | <ul style="list-style-type: none"> <li>Add metering as indicated</li> <li>Add sizes and tags as indicated</li> </ul> |
| M4-13  | Yes | <ul style="list-style-type: none"> <li>Add metering as indicated</li> <li>Add sizes and tags as indicated</li> </ul> |
| M4-15A | Yes | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>                                                      |
| M4-15B | Yes | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>                                                      |
| M4-15C | Yes | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>                                                      |
| M4-15D | Yes | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>                                                      |
| M4-21  | Yes | <ul style="list-style-type: none"> <li>Add metering as indicated</li> <li>Add sizes and tags as indicated</li> </ul> |
| M4-23  | Yes | <ul style="list-style-type: none"> <li>Add metering as indicated</li> <li>Add sizes and tags as indicated</li> </ul> |
| M4-25  | Yes | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>                                                      |
| M4-31  | Yes | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>                                                      |

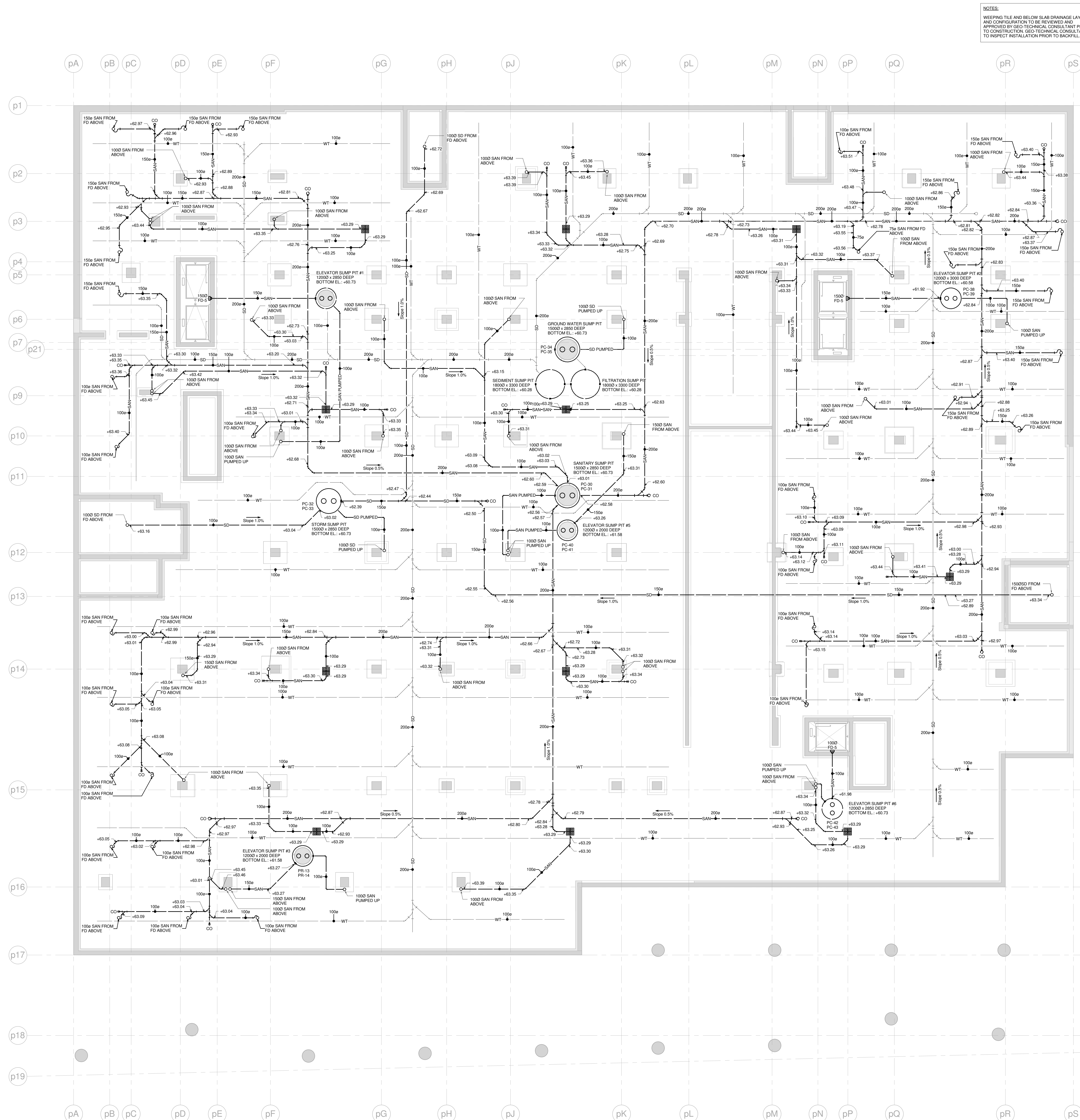
#### ME SCHEDULE:

| Drawing No. | Drawing Issued | Items                                                                    |
|-------------|----------------|--------------------------------------------------------------------------|
| ME-11       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-12       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-13       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-14       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-15       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-21       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-22       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-23       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-31       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-32       | YES            | <ul style="list-style-type: none"> <li>Revisions as indicated</li> </ul> |
| ME-33       | YES            | <ul style="list-style-type: none"> <li>Drawing Added</li> </ul>          |

**Reason for Issue: Coordination**

**End of ADD-M001**

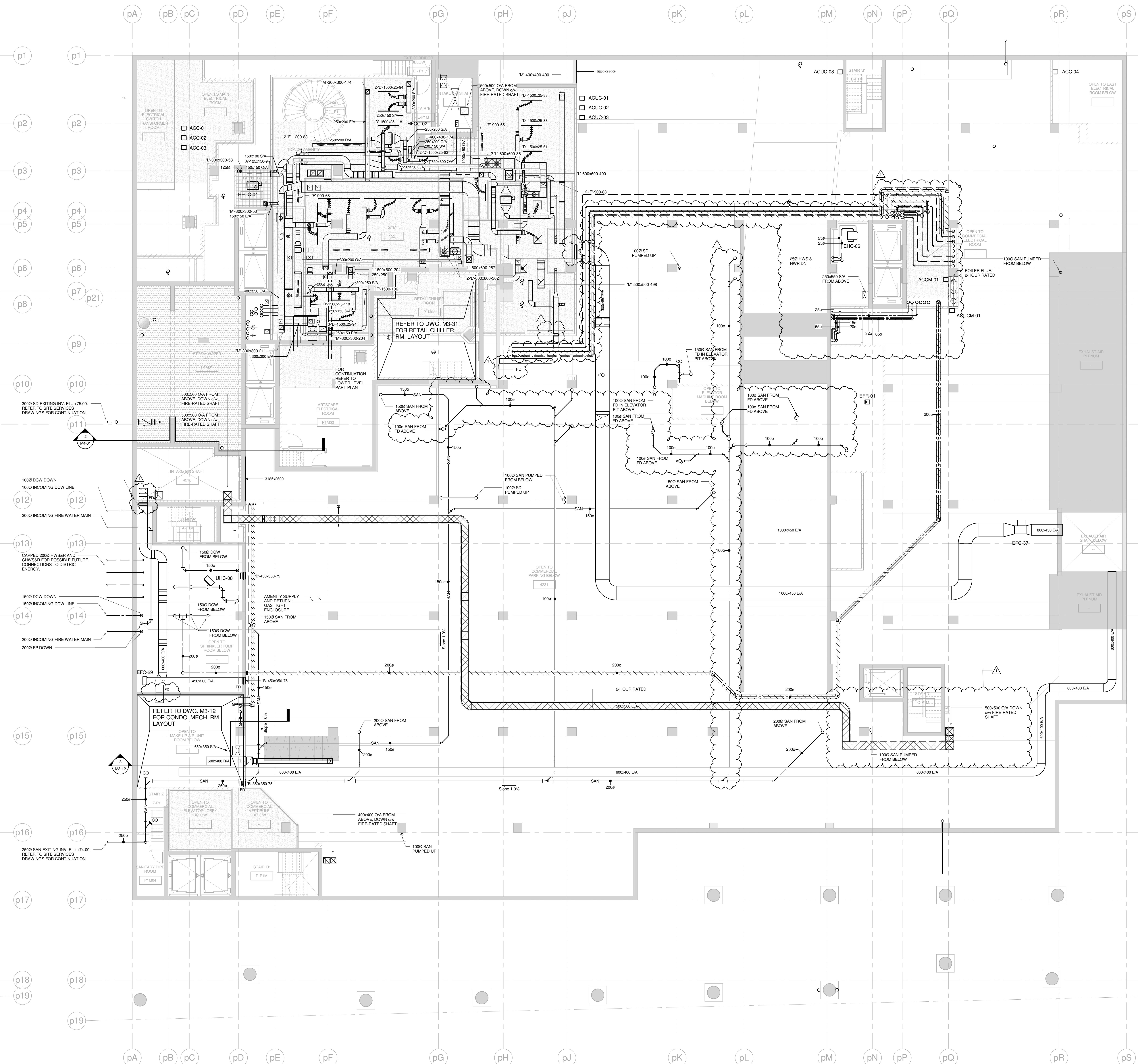
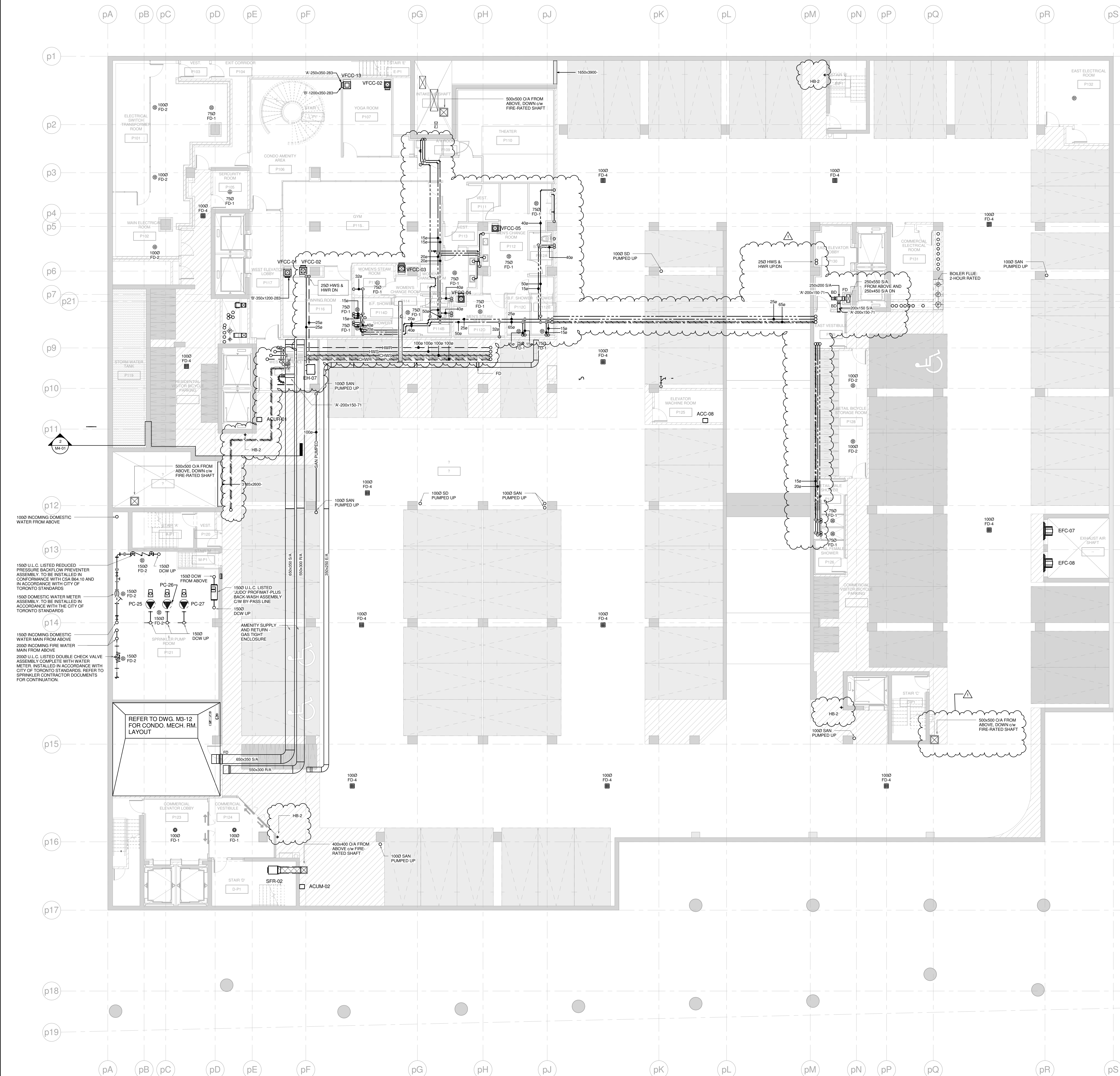












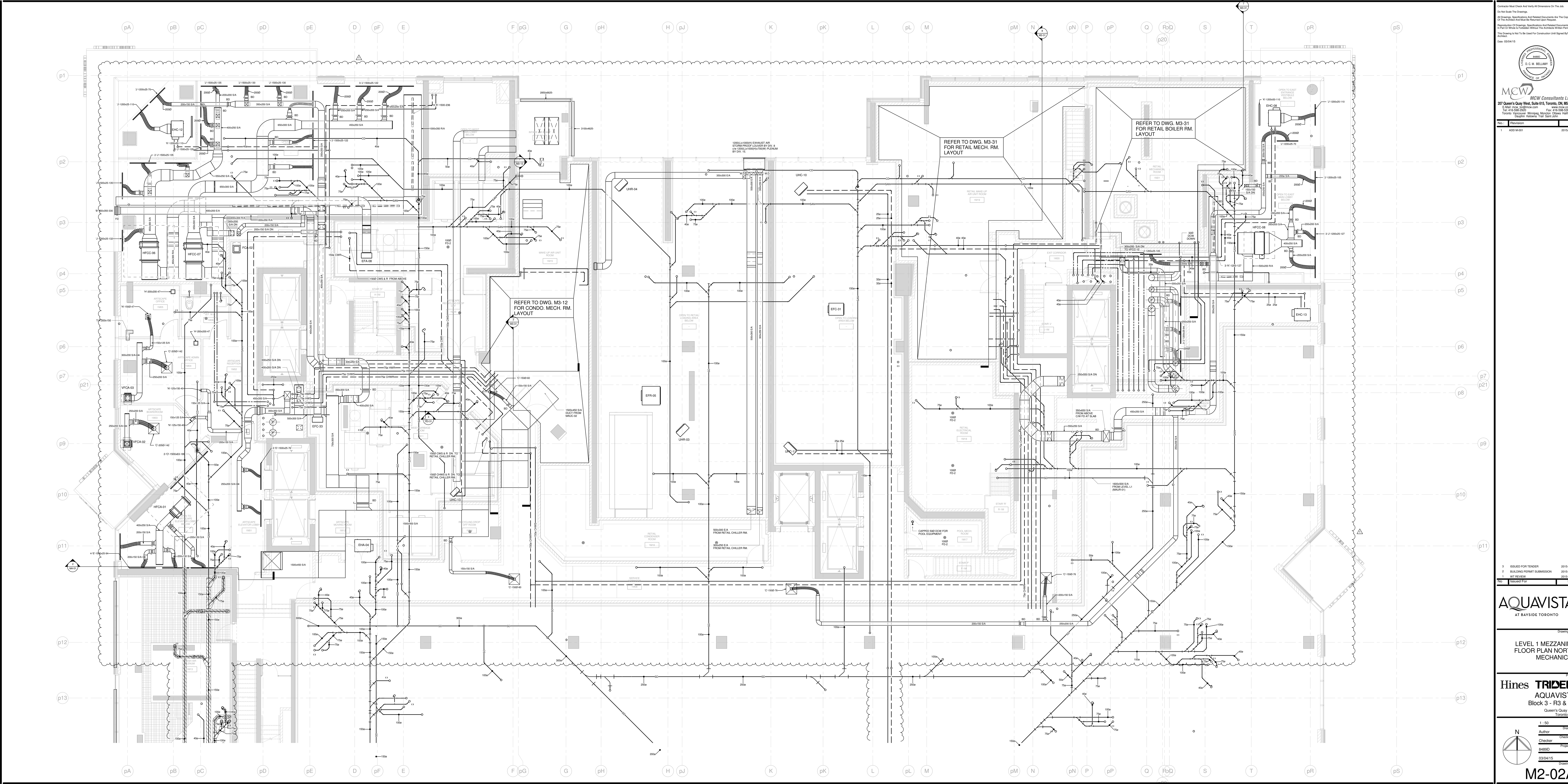












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ON

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| No. | Revision  | Date       |
|-----|-----------|------------|
| 1   | ADD M-001 | 2015/03/05 |

3 ISSUED FOR TENDER 2015-10-15

2 BUILDING PERMIT SUBMISSION 2015-06-12

1/1 REVIEW 2015-05-04

NO ISSUED FOR CONSTRUCTION

**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title:  
**LEVEL 1 MEZZANINE  
FLOOR PLAN NORTH  
MECHANICAL**

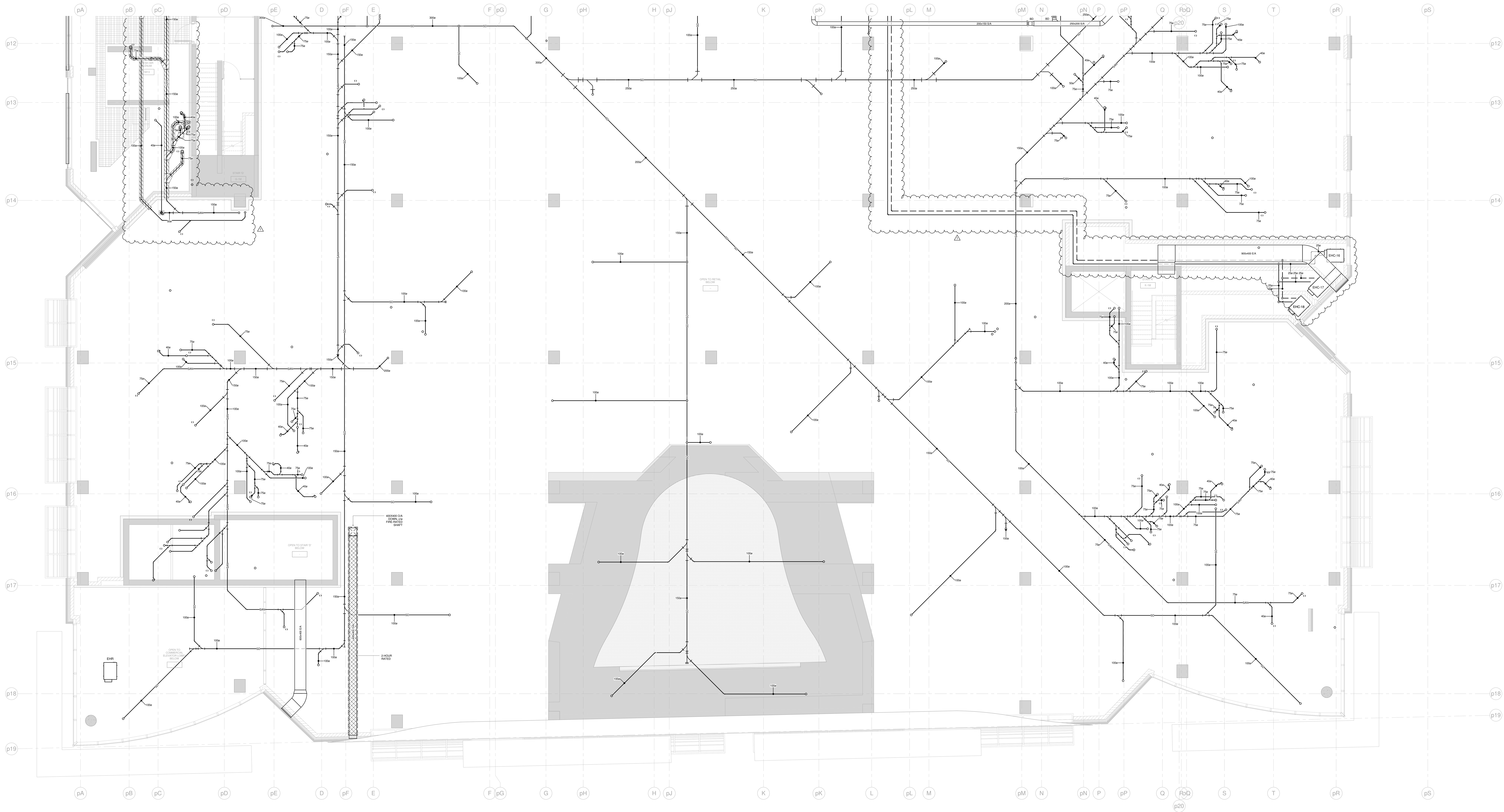
**Hines TRIDEL**  
AQUAVISTA  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

1:50  
Author  
Checked by  
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Drawing No.

N

**M2-02A**





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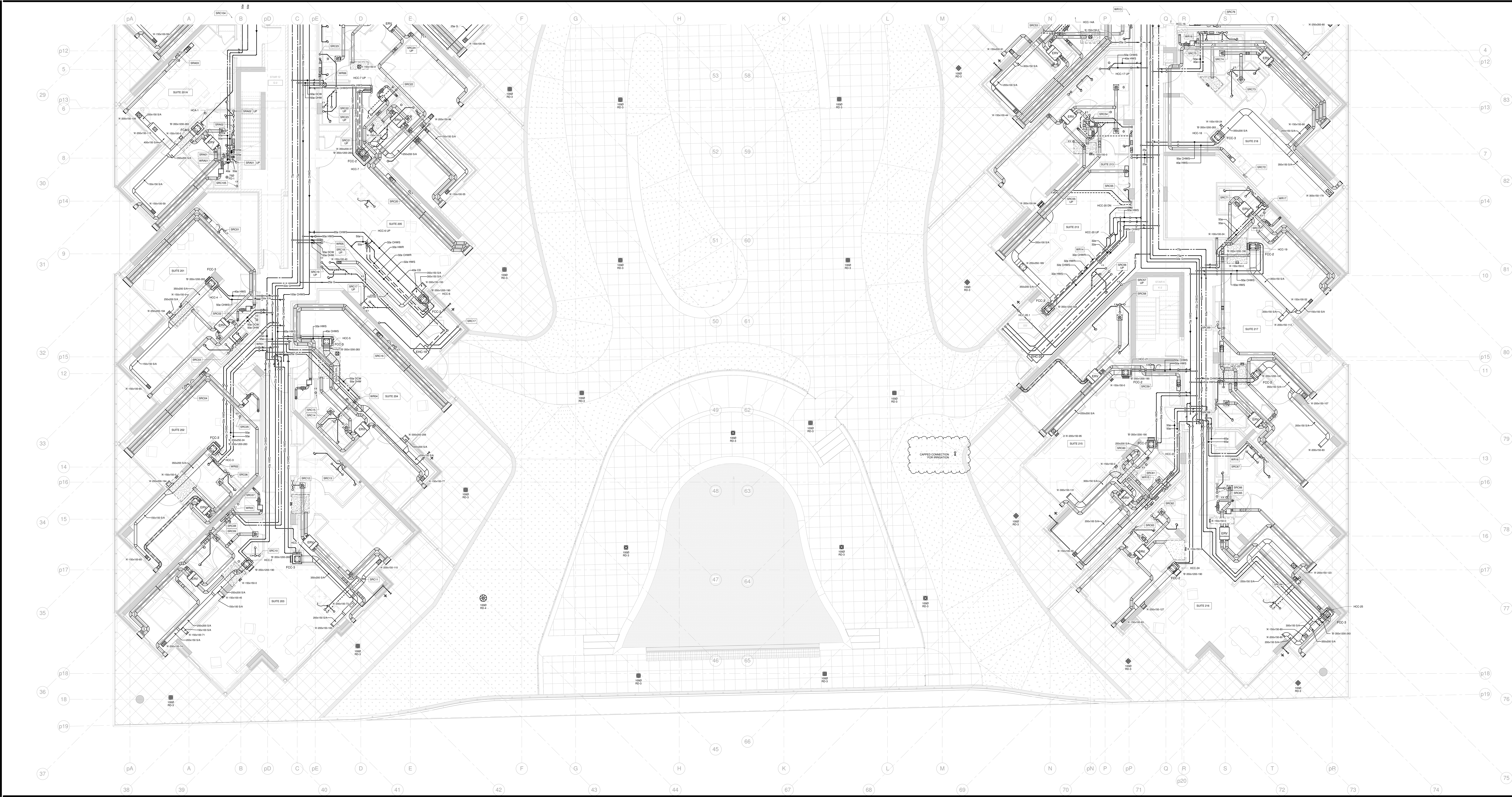
Drawing Title  
**LEVEL 1 MEZZANINE  
FLOOR PLAN SOUTH  
MECHANICAL**

Project  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

|          |             |
|----------|-------------|
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| Author   | Checked by  |
| Checker  | Project No. |
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**M2-02B**





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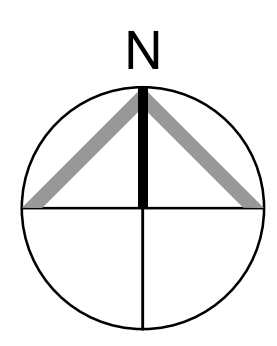
  
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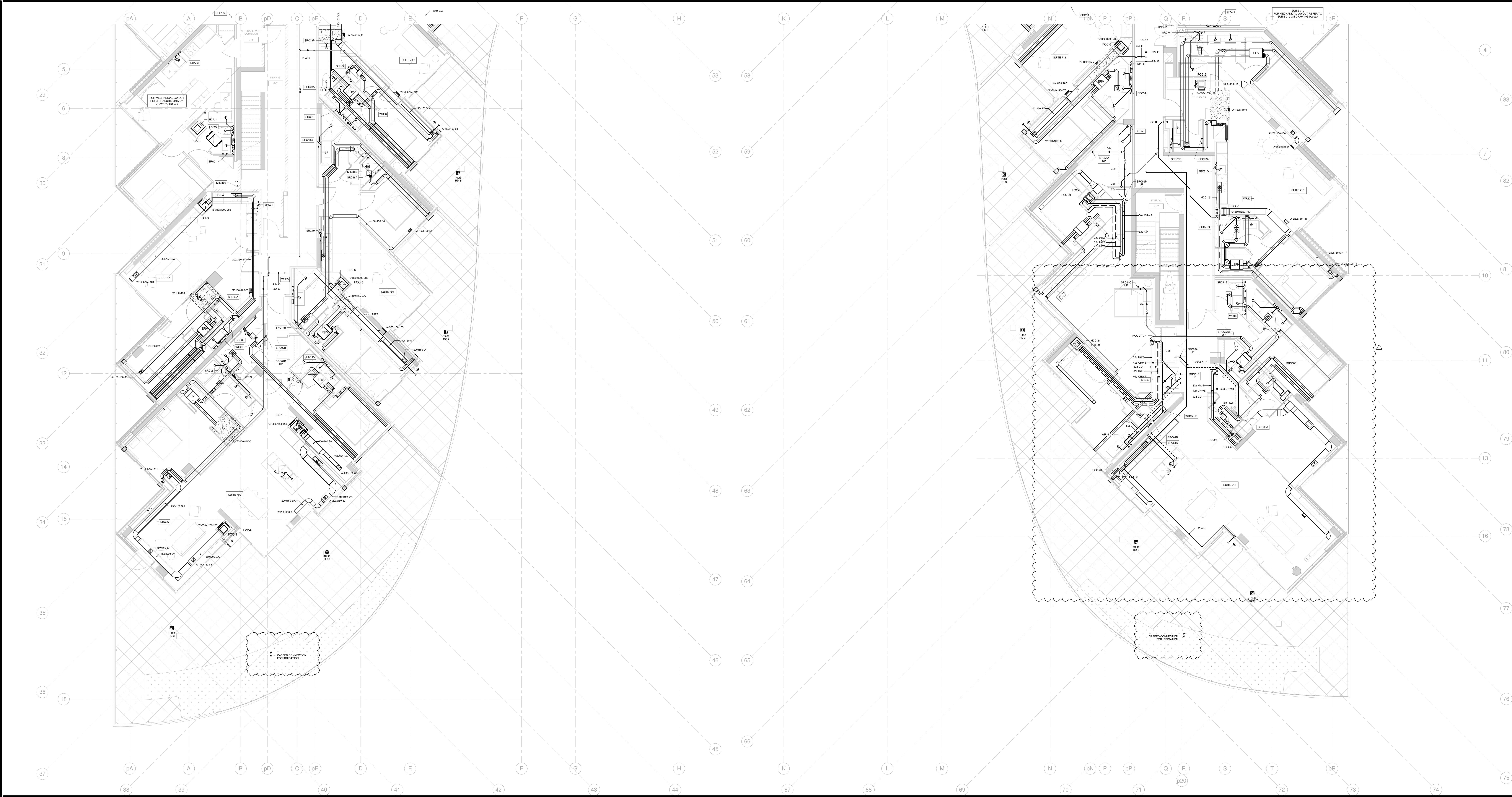
**AQUAVISTA**  
AT BAYSIDE TORONTO  
Drawing Title:  
LEVEL 2 FLOOR PLAN  
SOUTH - MECHANICAL  
Project:  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON  
Scale:  
1:50  
Author: [blank]  
Checked by: [blank]  
Checker: 8489D  
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**M2-03B**











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**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title

LEVEL 7 FLOOR PLAN  
SOUTH - MECHANICAL

Project

**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON  
M5J 1A7

1:50

Drawn by

Author

Checked by

Checker

84890

Project No.

03/04/15

Date

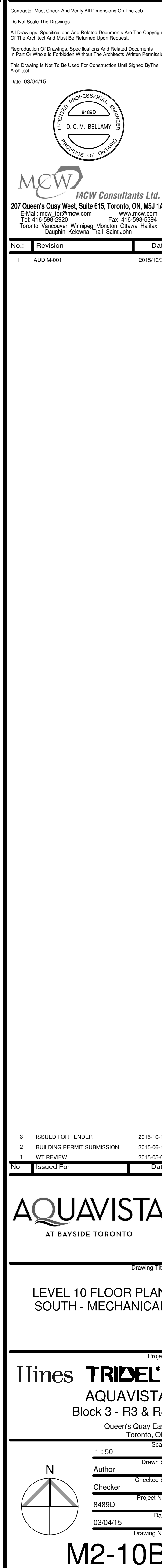
Drawing No.

**M2-07B**

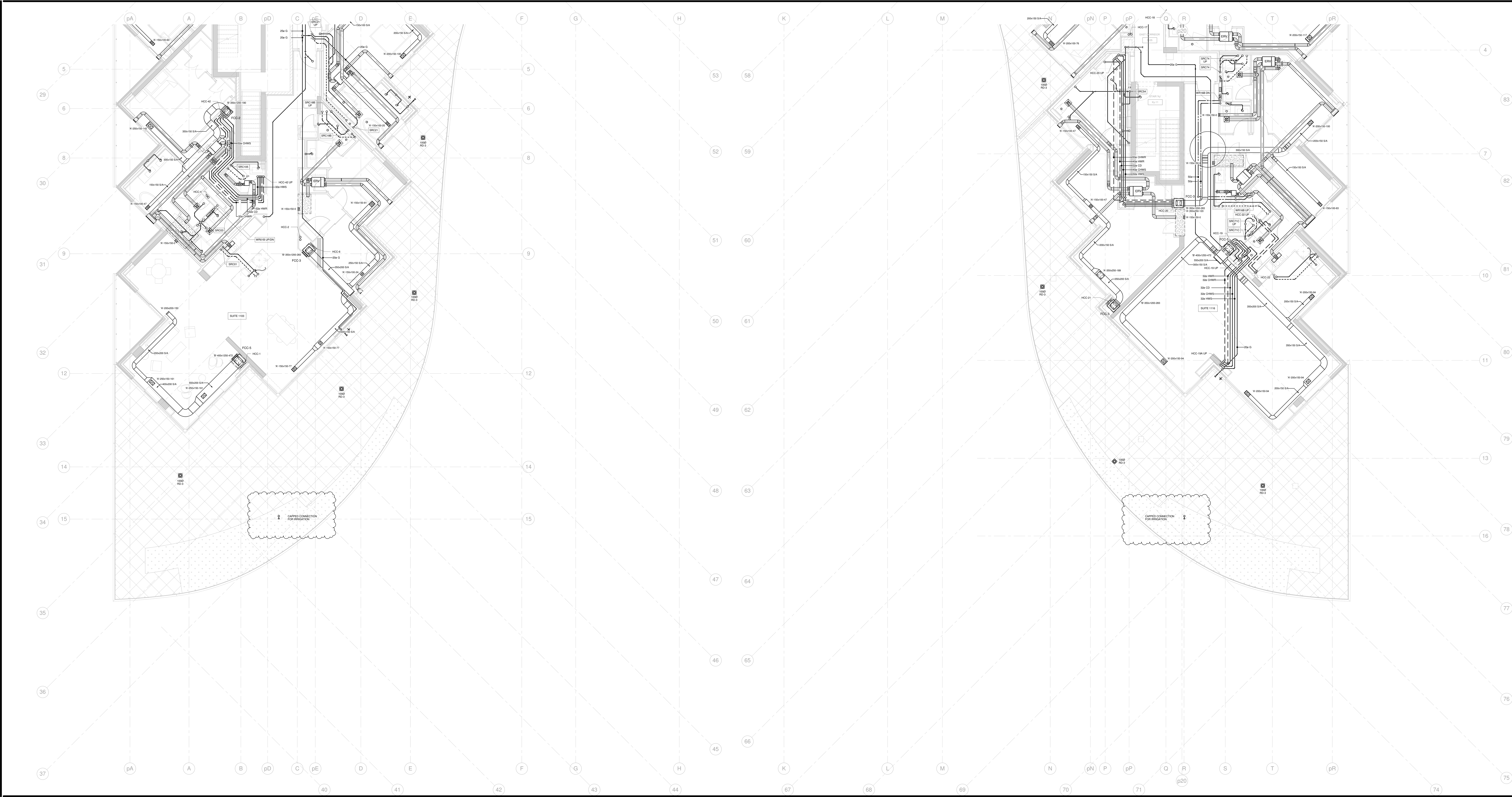












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1 REVIEW 2015-05-01

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AT BAYSIDE TORONTO

Drawing 110

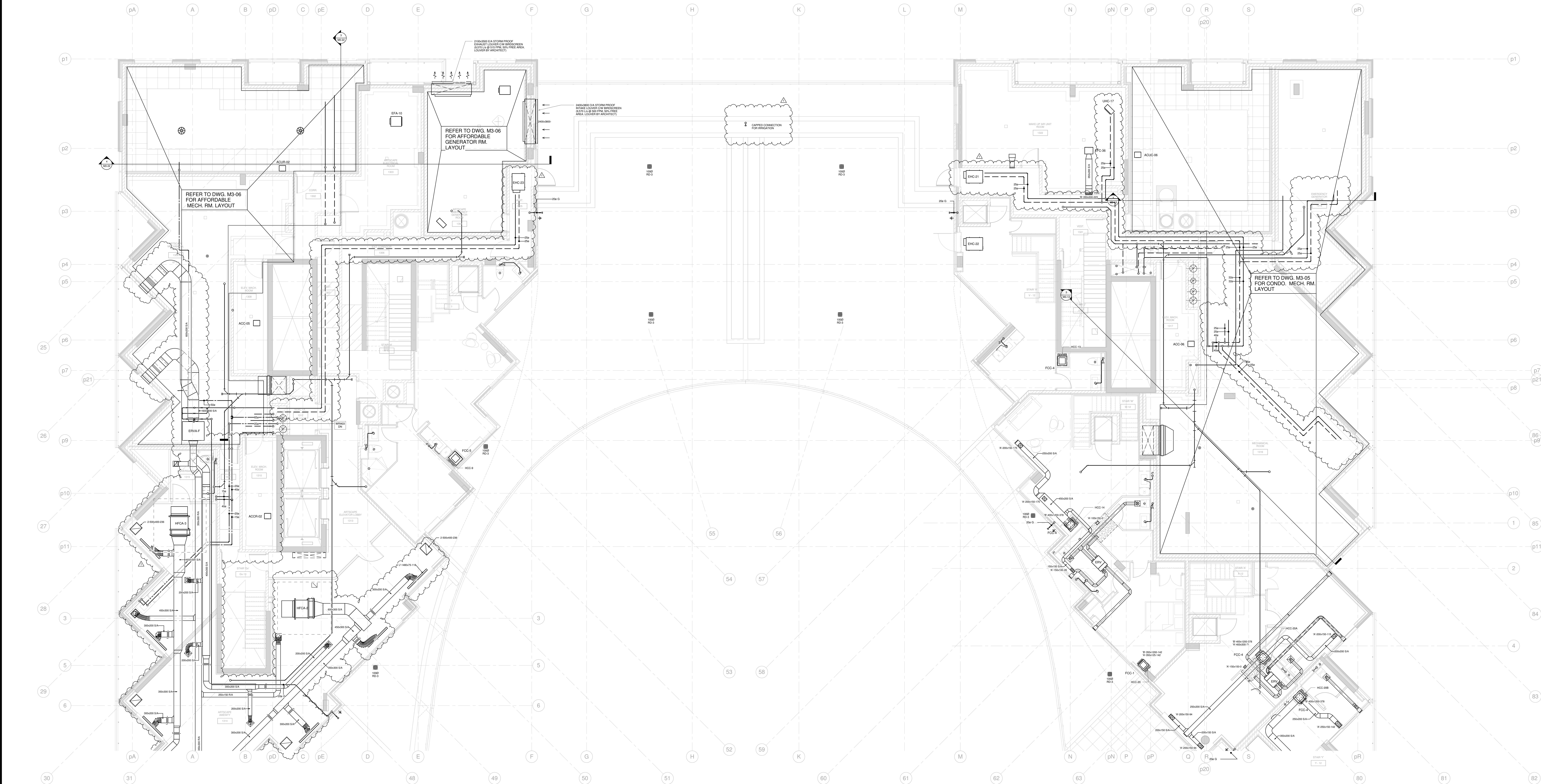
LEVEL 11 FLOOR PLAN  
SOUTH - MECHANICAL

Project  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

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**M2-11B**





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| 1 | REV. REVIEW                | 2015-05-05 |

| No. | Issued For | Date |
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|-----|------------|------|

**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title

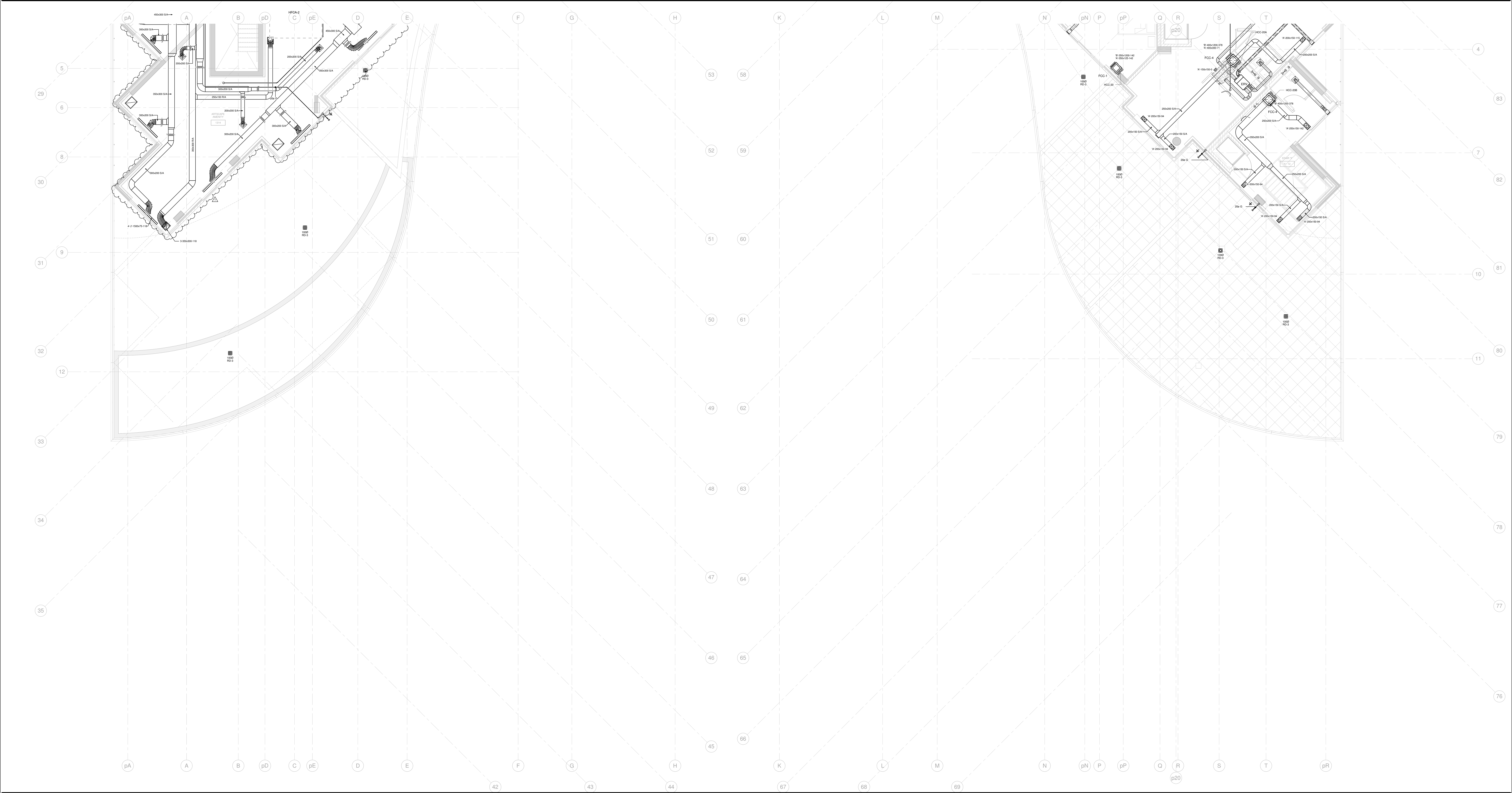
LEVEL PH2 FLOOR PLAN  
NORTH - MECHANICAL

Project  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

|          |             |
|----------|-------------|
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**M2-13A**





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| 3   | ISSUED FOR TENDER          | 2015-10-15 |
| 2   | BUILDING PERMIT SUBMISSION | 2015-06-12 |
| 1   | REV REVIEW                 | 2015-05-04 |

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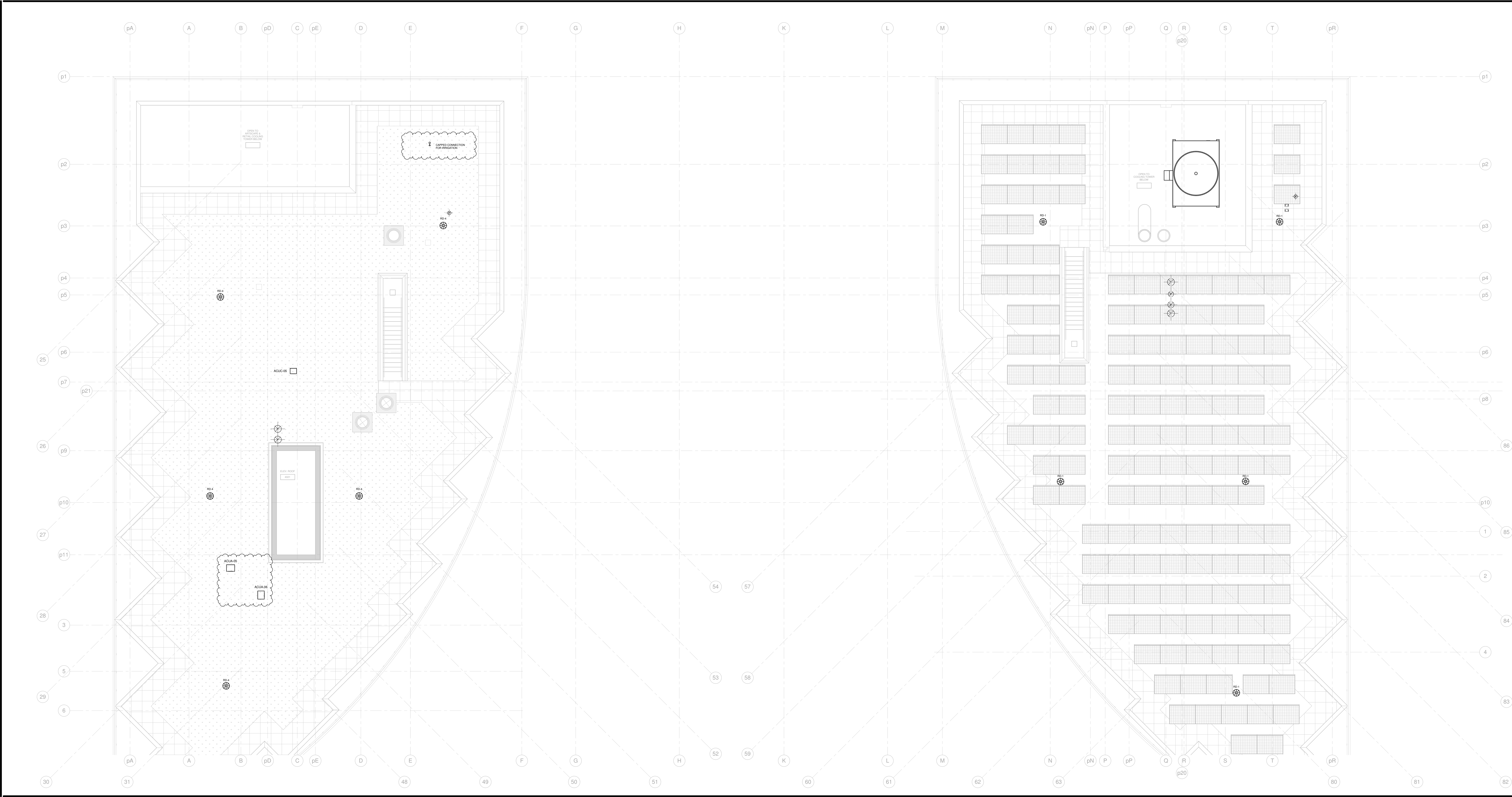
Drawing Title:  
**LEVEL PH2 FLOOR PLAN  
SOUTH - MECHANICAL**

Project:  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

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**M2-13B**





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2 BUILDING PERMIT SUBMISSION 2015-06-12  
1 FOR REVIEW 2015-05-04

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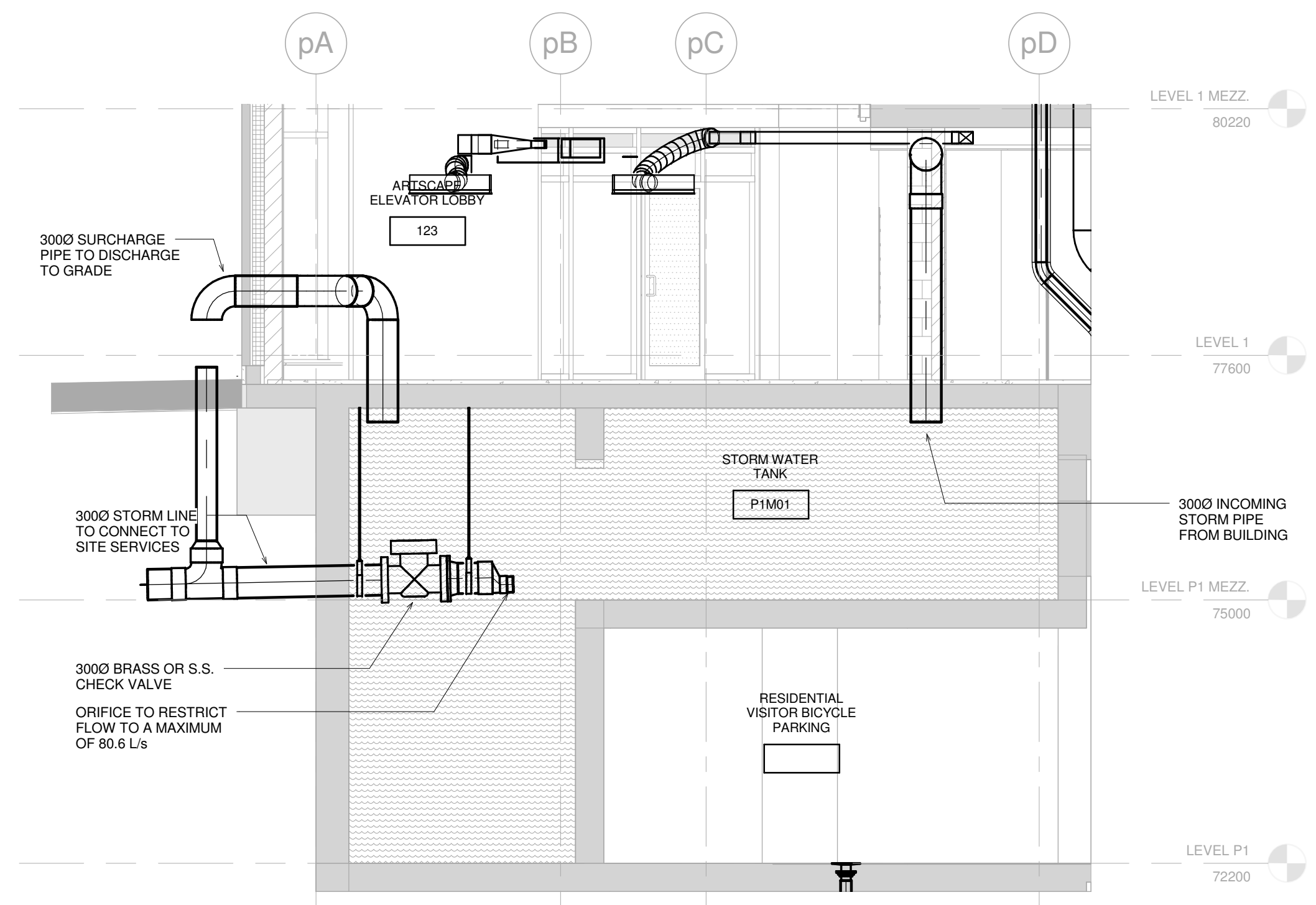
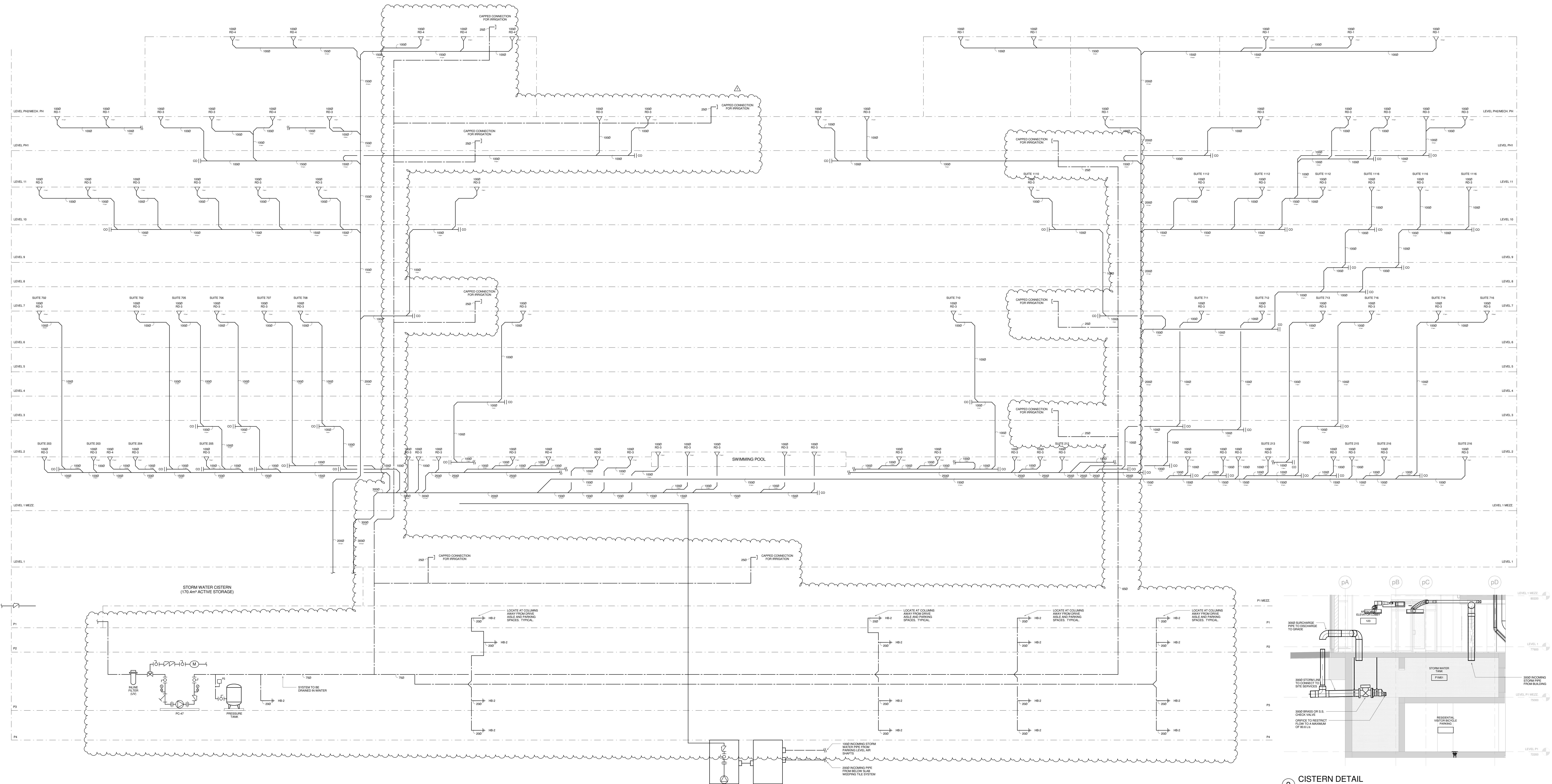
Drawing Title:  
**ROOF PLAN NORTH - MECHANICAL**

Project:  
**Hines TRIDEL AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

| Author | Checked by | Date     |
|--------|------------|----------|
| 8489D  |            | 04/30/15 |

Drawing No:  
**M2-14A**





② CISTERN DETAIL  
1:50

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Daphne Kozlowski: Trail Start-John

| No. | Revision  | Date       |
|-----|-----------|------------|
| 1   | ADD M-001 | 2010/03/05 |

|   |                            |            |
|---|----------------------------|------------|
| 3 | ISSUED FOR TENDER          | 2015-10-15 |
| 2 | BUILDING PERMIT SUBMISSION | 2015-08-14 |
| 1 | ISSUED FOR                 | 2015-08-14 |

**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title:  
**STORM SCHEMATIC**

Project:  
**Hines TRIDEL AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

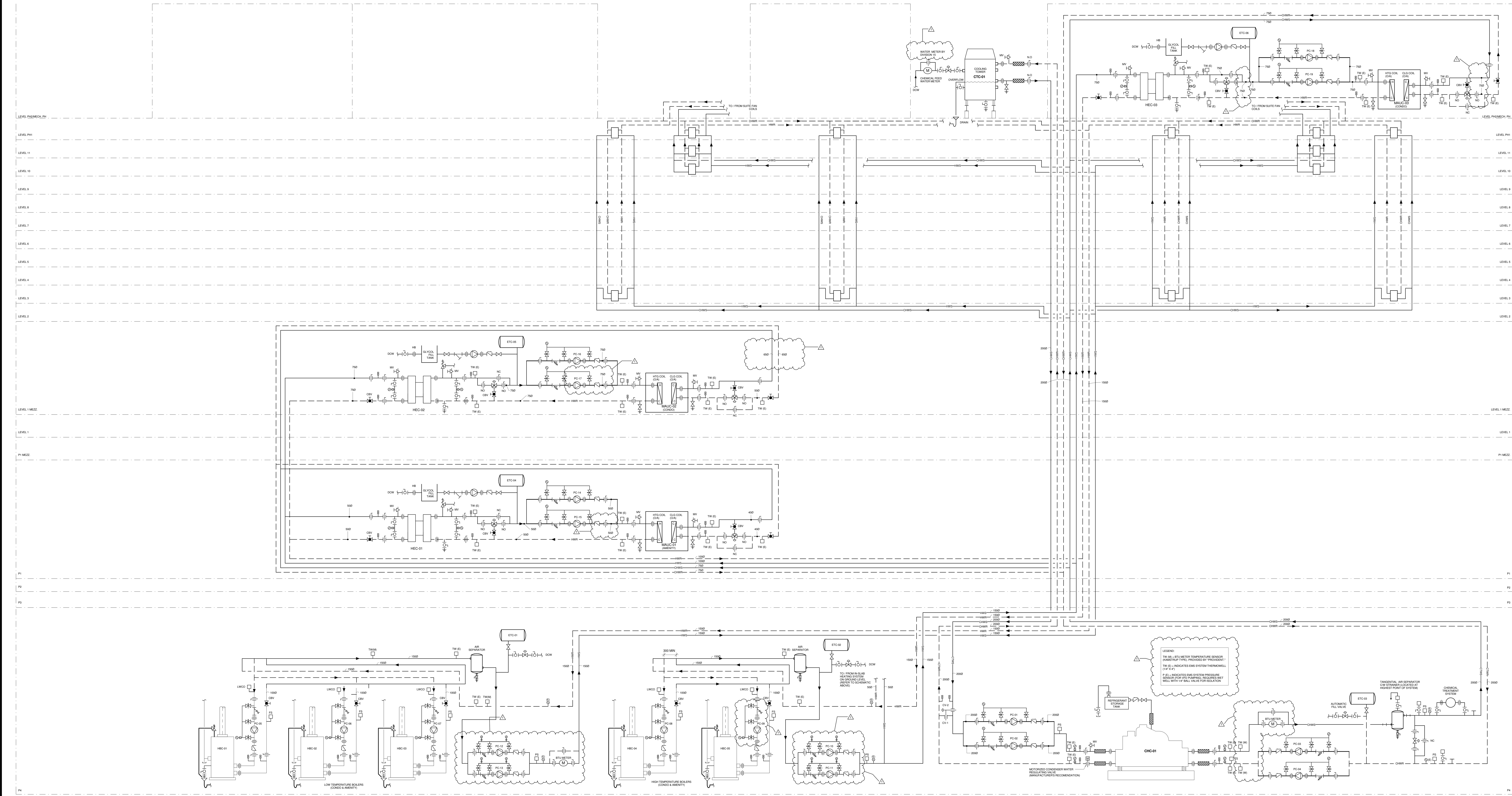
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| As Indicated | Drawn by    |
| Author       | Checked by  |
| Checker      | Project No. |
| 84890        | Date        |
| 02/04/14     | Drawing No. |

**M4-01**









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| 1   | ADD M-001 | 2010/03/05 |

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| 3 | ISSUED FOR TENDER          | 2015-10-15 |
| 2 | BUILDING PERMIT SUBMISSION | 2015-06-12 |
| 1 | REVISE                     | 2015-05-01 |

**AQUAVISTA**  
AT BAYSIDE TORONTO

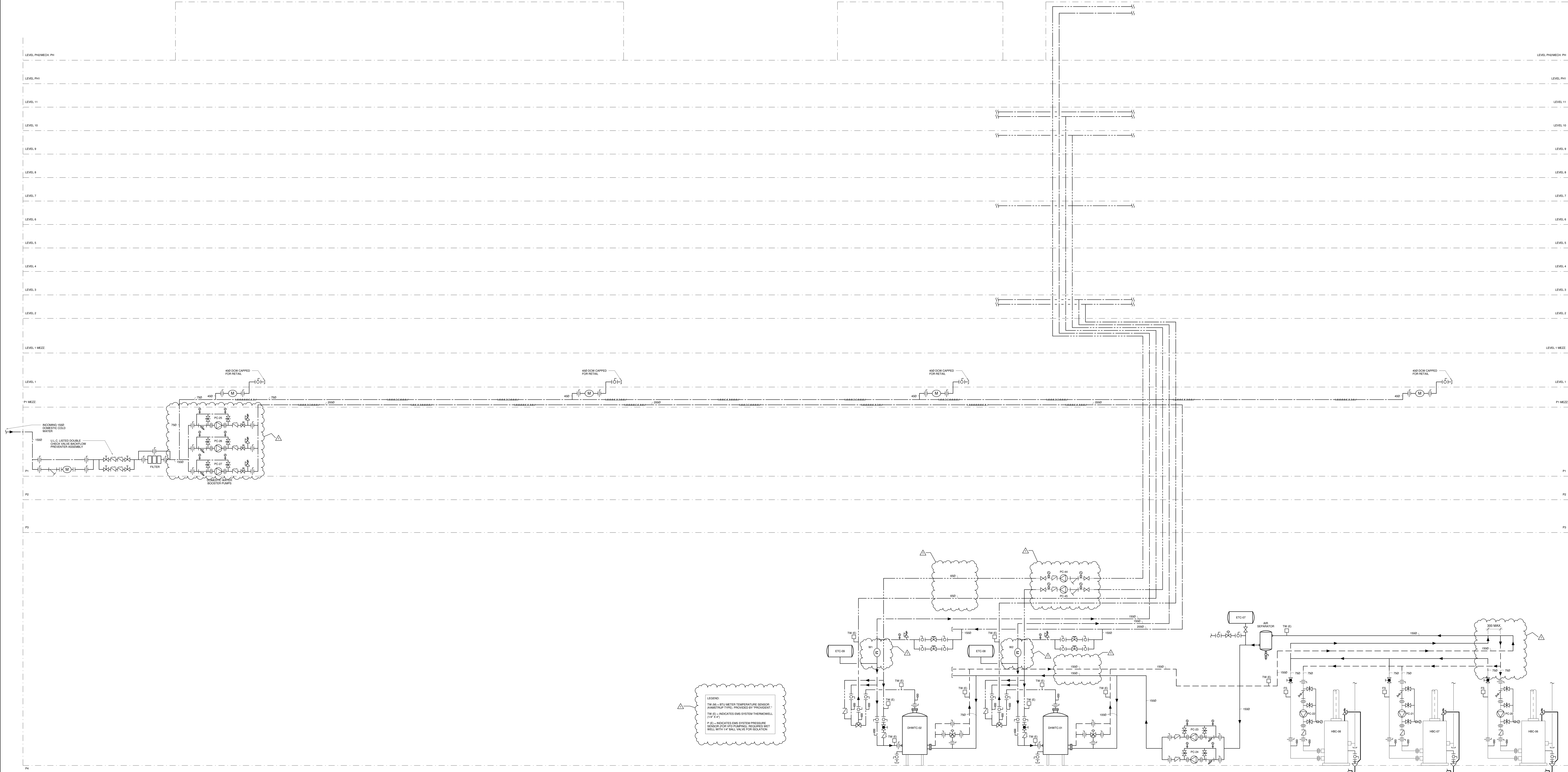
CONDO - HEATING & COOLING SCHEMATIC

**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

NTS  
Author  
Checked by  
Checker  
8489D  
02/04/14  
Drawing No.

**M4-11**





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| 1   | ADD M-001 | 2010/03/05 |

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| 3 | ISSUED FOR TENDER          | 2010-10-15 |
| 2 | BUILDING PERMIT SUBMISSION | 2010-06-12 |
| 1 | W/ REVIEW                  | 2010-05-04 |

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AT BAYSIDE TORONTO

Drawing Title

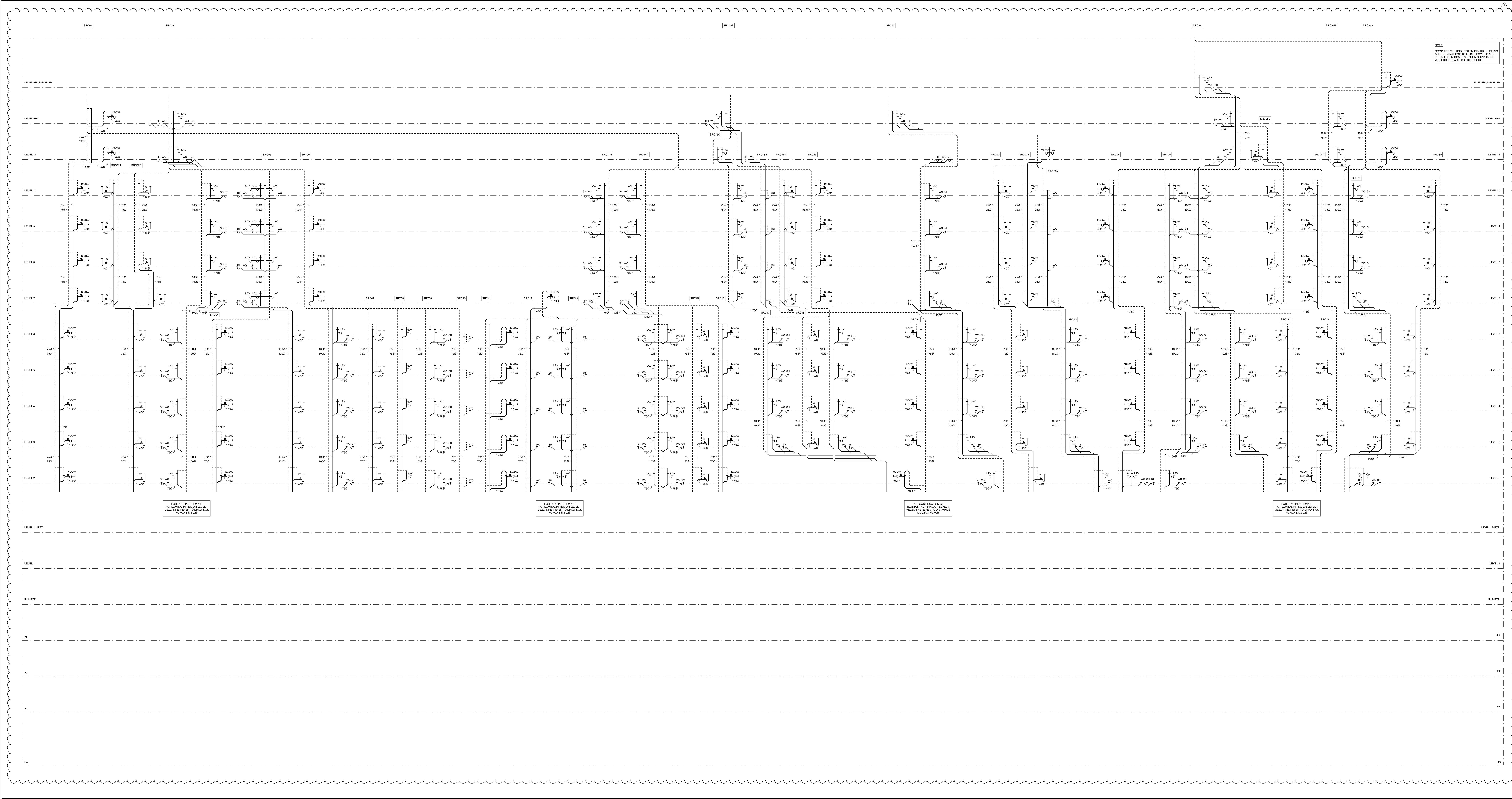
CONDO - DOMESTIC  
WATER RISER DIAGRAM

Project  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

|          |             |
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**M4-13**





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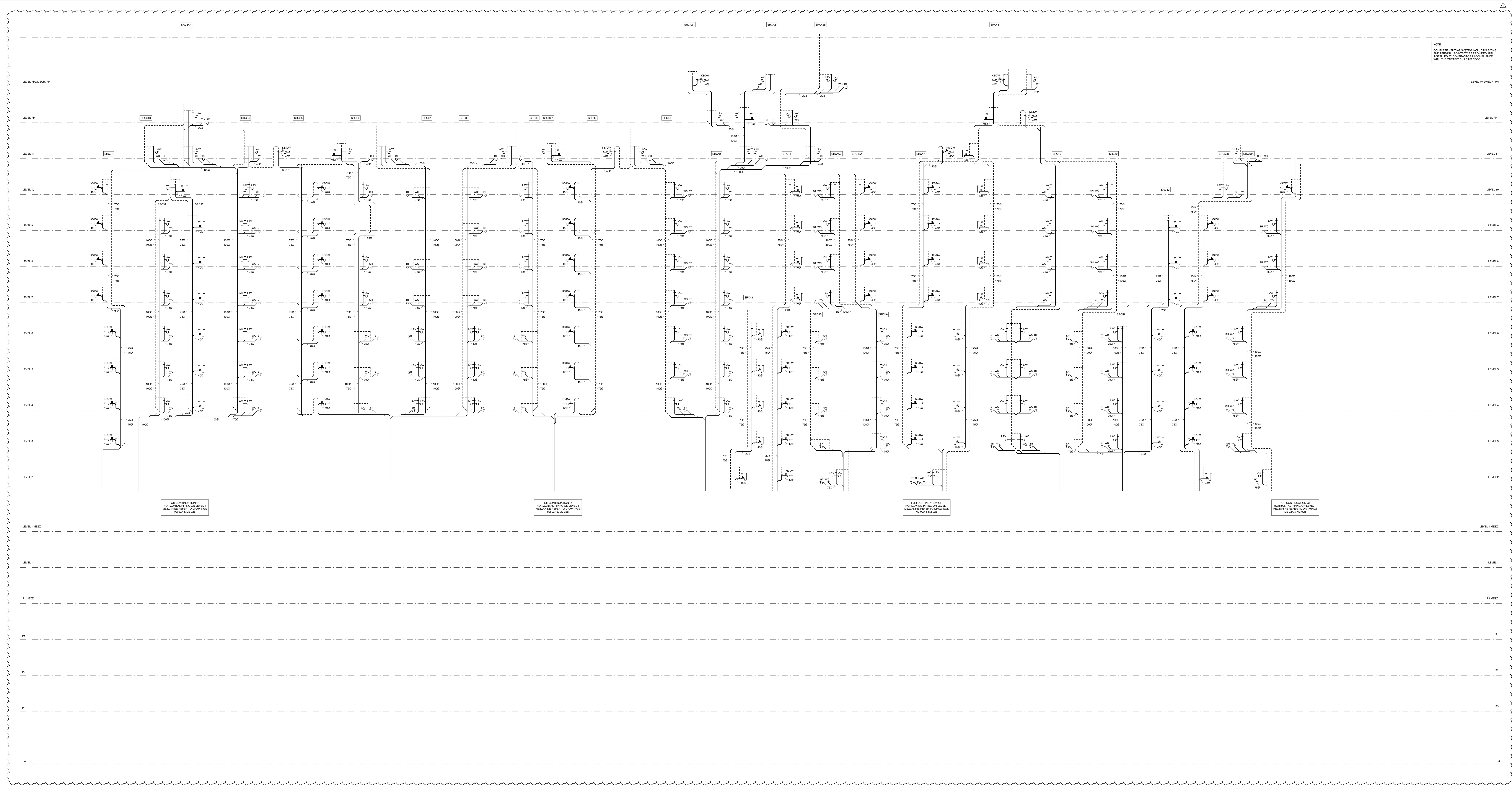
Drawing Title:  
**CONDO - SANITARY RISER DIAGRAM A**

Project:  
**Hines TRIDEL AQUAVISTA Block 3 - R3 & R4**  
Queen's Quay East  
Toronto, ON

1:1  
Author: \_\_\_\_\_ Drawn by: \_\_\_\_\_  
Checker: \_\_\_\_\_ Checked by: \_\_\_\_\_  
84890 Project No.: \_\_\_\_\_  
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**M4-15A**





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| 1   | ADD M-001  | 2015/10/30 |

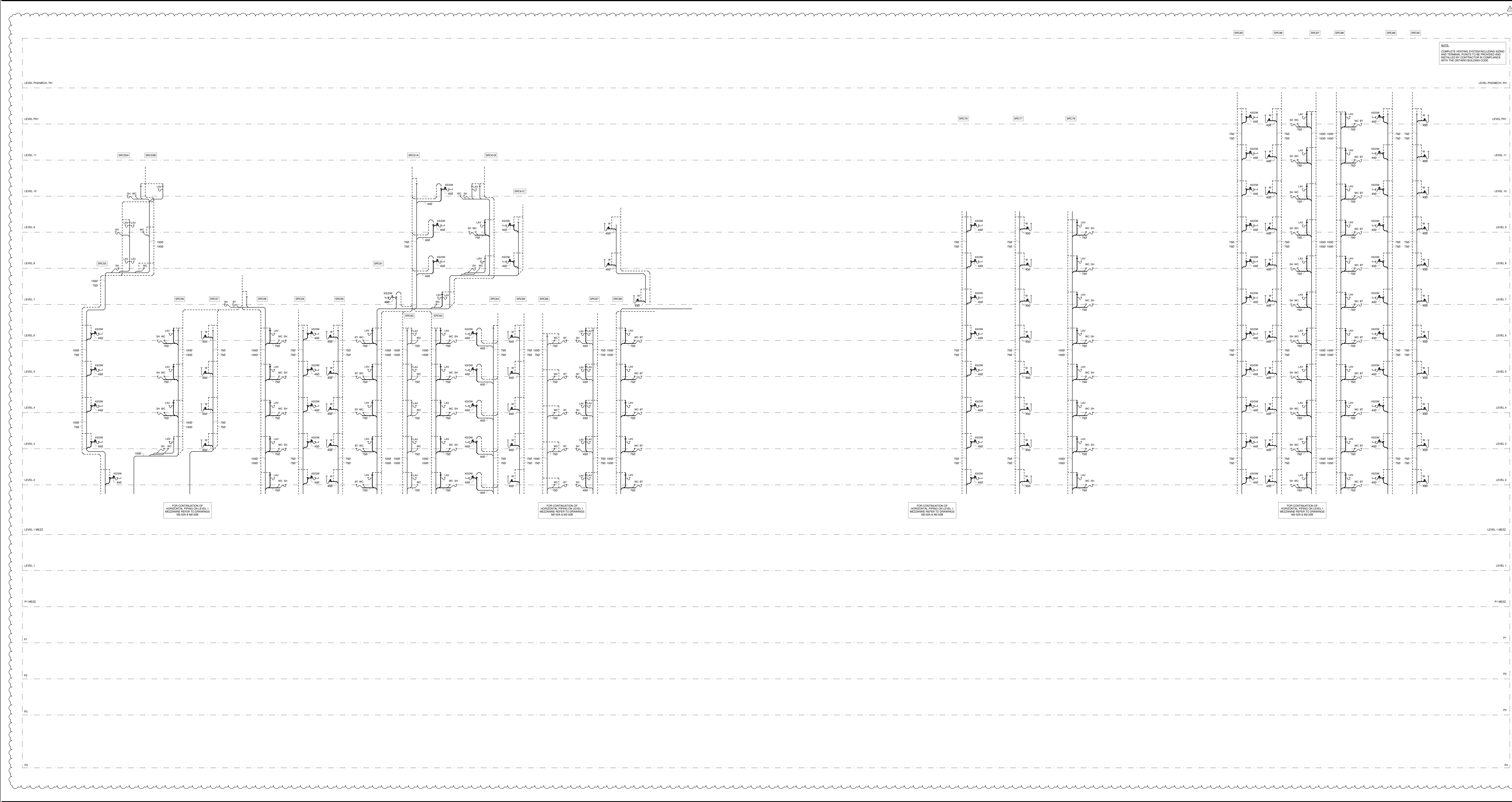
**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title:  
**CONDO - SANITARY  
RISER DIAGRAM B**

Project:  
**Hines TRIDEL  
AQUAVISTA  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON**

1:1  
Author  
Checked by  
84890  
10/30/15  
Drawing No.  
**M4-15B**





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**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title:  
**CONDO - SANITARY  
RISER DIAGRAM C**

Project:  
**Hines TRIDEL  
AQUAVISTA  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON**

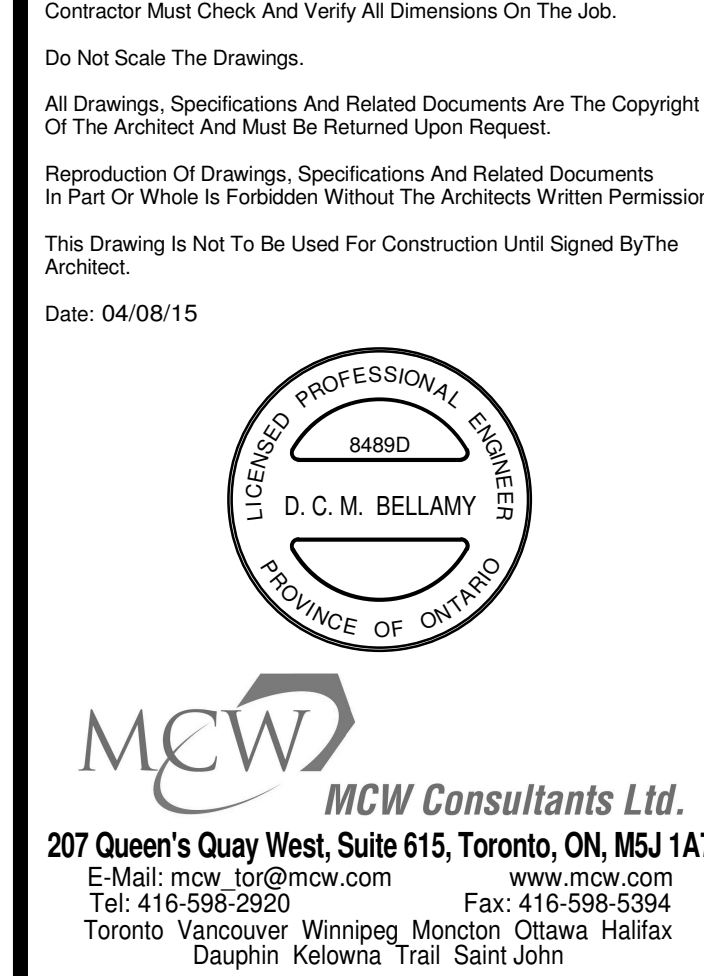
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| Checker  | Project No. |
| 8489D    | Date        |
| 10/30/15 | Drawing No. |

**M4-15C**









| 3  | ISSUED FOR TENDER          | 2015-10-15 |
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| 2  | BUILDING PERMIT SUBMISSION | 2015-06-12 |
| 1  | WT REVIEW                  | 2015-06-01 |
| No | Issued For                 | Date       |

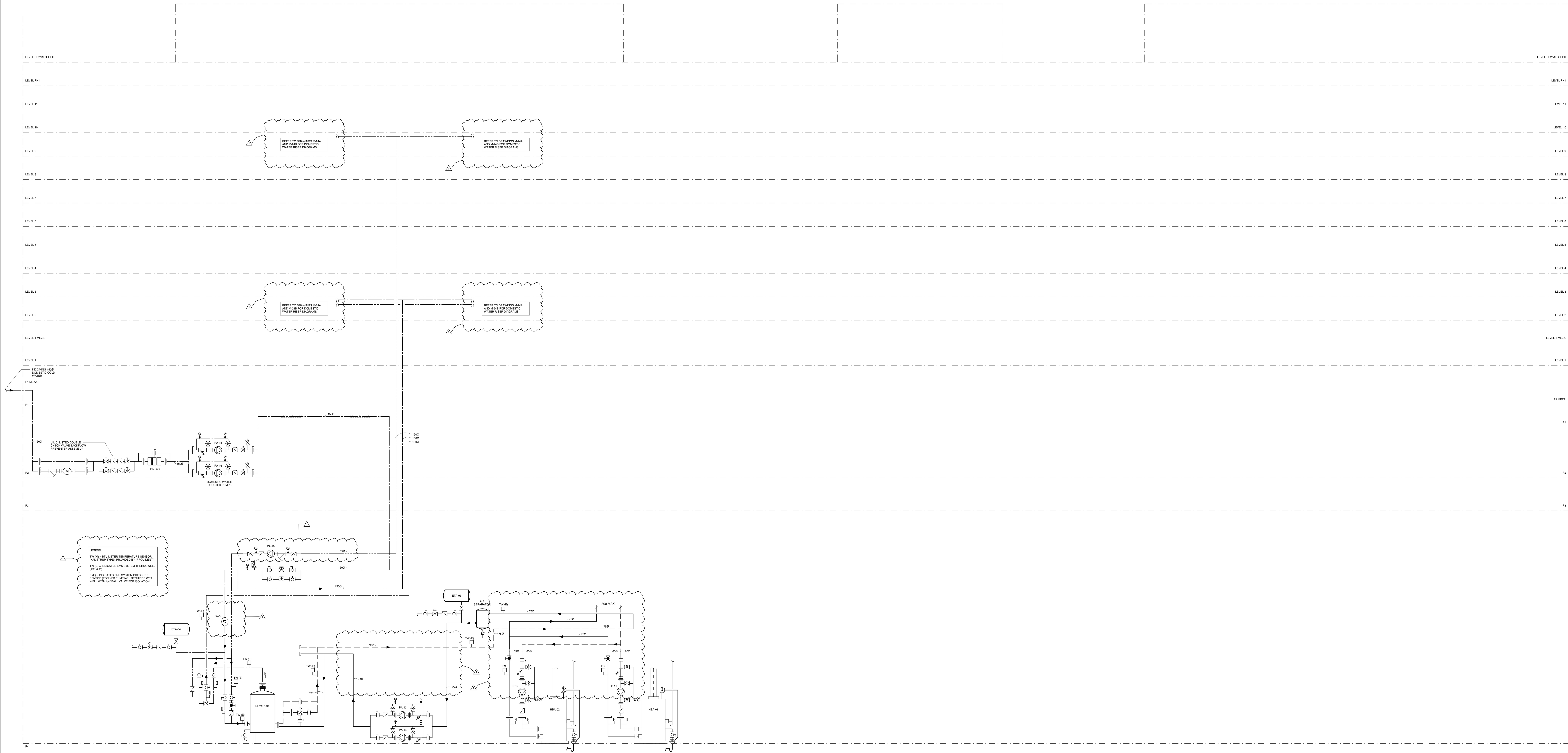
ARTSCAPE - HEATING &amp; COOLING SCHEMATIC



N  
 Author \_\_\_\_\_  
 Checker \_\_\_\_\_  
 8489D \_\_\_\_\_  
 04/08/15 \_\_\_\_\_

M4-21





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| 3 | ISSUED FOR TENDER          | 2015-10-15 |
| 2 | BUILDING PERMIT SUBMISSION | 2015-06-12 |
| 1 | REVISED                    | 2015-05-05 |

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**AQUAVISTA**  
AT BAYSIDE TORONTO

ARTSCAPE - DOMESTIC  
WATER SCHEMATIC

Hines **TRIDEL**  
AQUAVISTA  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

|          |             |
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**M4-23**



LEVEL PH/MECH PH

LEVEL PH1

LEVEL 11

LEVEL 10

LEVEL 9

LEVEL 8

LEVEL 7

LEVEL 6

LEVEL 5

LEVEL 4

LEVEL 3

LEVEL 2

LEVEL 1 MEZZ

LEVEL 1

P1 MEZZ

P1

P2

P3

P4

LEVEL PH/MECH PH

LEVEL PH1

LEVEL 11

LEVEL 10

LEVEL 9

LEVEL 8

LEVEL 7

LEVEL 6

LEVEL 5

LEVEL 4

LEVEL 3

LEVEL 2

LEVEL 1 MEZZ

LEVEL 1

P1 MEZZ

P1

P2

P3

P4

NOTE:

COMPLETE VENTING SYSTEM INCLUDING RISERS  
AND TERMINAL POINTS TO BE PROVIDED AND  
INSTALL BY CONTRACTOR IN COMPLIANCE  
WITH THE ONTARIO BUILDING CODE

FOR CONTINUATION OF  
HORIZONTAL PIPING ON LEVEL 1  
MEZZANINE REFER TO DRAWINGS  
ME-GA & ME-GIB

FOR CONTINUATION OF  
HORIZONTAL PIPING ON LEVEL 1  
MEZZANINE REFER TO DRAWINGS  
ME-GA & ME-GIB

FOR CONTINUATION OF  
HORIZONTAL PIPING ON LEVEL 1  
MEZZANINE REFER TO DRAWINGS  
ME-GA & ME-GIB

FOR CONTINUATION OF  
HORIZONTAL PIPING ON LEVEL 1  
MEZZANINE REFER TO DRAWINGS  
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**AQUAVISTA**  
AT BAYSIDE TORONTO

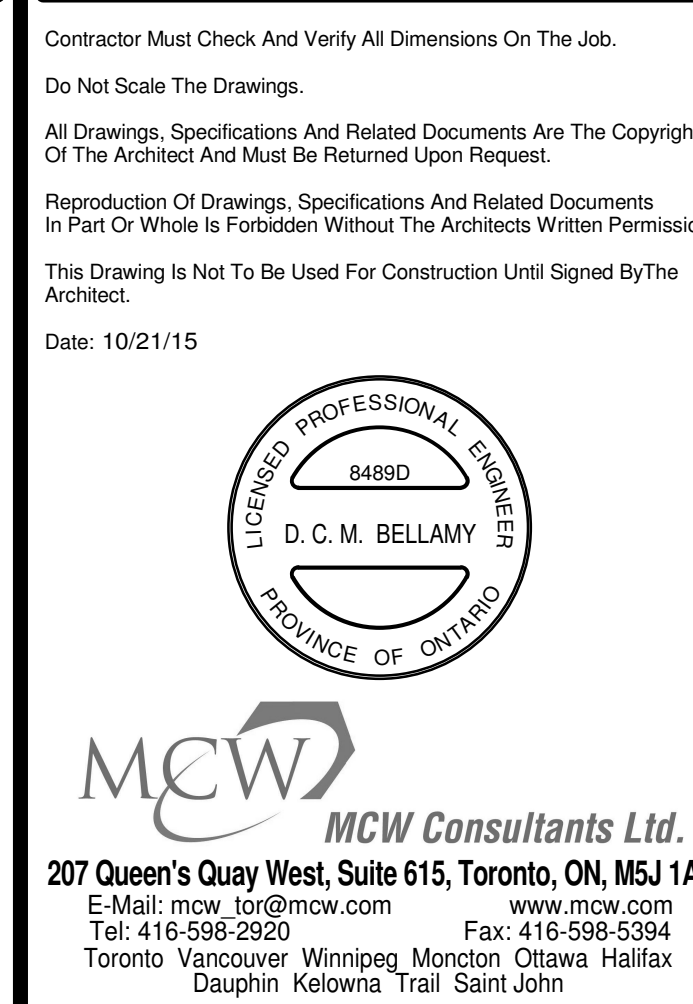
ARTSCAPE - SANITARY  
RISER DIAGRAM

Project  
**Hines TRIDEL**  
**AQUAVISTA**  
Block 3 - R3 & R4  
Queen's Quay East  
Toronto, ON

1 : 1  
Author  
Checked by  
Checker  
8489D  
04/08/15  
Date  
Drawing No.

**M4-25A**





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Drawing Title: \_\_\_\_\_

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04050  
10/21/16

M4-31







# PUMP SCHEDULE

| REFERENCE | DESCRIPTION           | LOCATION    | OWNERSHIP | WATER FLOW (L/S) | HEAD (NPA) | RPM  | MANUFACTURER | TYPE / SIZE       | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |       |          |        | STARTER |              |         |               | TYPE | CONTROLS  |        |               | OTHER REQUIREMENTS |                     |                | REMARKS: |            |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                            |
|-----------|-----------------------|-------------|-----------|------------------|------------|------|--------------|-------------------|----------------------|-----------------|--------------|-------|----------|--------|---------|--------------|---------|---------------|------|-----------|--------|---------------|--------------------|---------------------|----------------|----------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                       |             |           |                  |            |      |              |                   |                      |                 | VOLTS        | PHASE | FED FROM | EM.    | NORM.   | SUPPLIED BY: |         | INSTALLED BY: |      | MANUAL    | AUTO.  | INTERLOCK BY: |                    | W.P. DISC. AT MOTOR | DISC. AT MOTOR |          | F.A. SHUT. |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                            |
|           |                       |             |           |                  |            |      |              |                   |                      |                 |              |       |          |        |         | DIV. 15      | DIV. 16 | DIV. 15       |      |           |        | DIV. 16       | DIV. 15            |                     |                |          |            | DIV. 16                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-01     | CONDENSER WATER PUMP  | MROOM P4    | CONDO     | 64.4             | 274        | 1800 | ARMSTRONG    | 4300 0611-040     | -                    | 30.0            | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY.                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                            |
| PC-02     | CONDENSER WATER PUMP  | MROOM P4    | CONDO     | 64.4             | 274        | 1800 | ARMSTRONG    | 4300 0611-040     | -                    | 30.0            | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY.                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                            |
| PC-03     | CHILLED WATER PUMP    | MROOM P4    | CONDO     | 51.5             | 324        | 1800 | ARMSTRONG    | 4300 0611-040     | -                    | 30.0            | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-04     | CHILLED WATER PUMP    | MROOM P4    | CONDO     | 51.5             | 324        | 1800 | ARMSTRONG    | 4300 0611-040     | -                    | 30.0            | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-05     | BOILER # 1 PUMP       | MROOM P4    | CONDO     | 8.8              | 74         | 1800 | ARMSTRONG    | 4300 0306-002     | -                    | 1.5             | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-06     | BOILER # 2 PUMP       | MROOM P4    | CONDO     | 8.8              | 74         | 1800 | ARMSTRONG    | 4300 0306-002     | -                    | 1.5             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-07     | BOILER # 3 PUMP       | MROOM P4    | CONDO     | 8.8              | 74         | 1800 | ARMSTRONG    | 4300 0306-002     | -                    | 1.5             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-08     | BOILER # 4 PUMP       | MROOM P4    | CONDO     | 8.8              | 60         | 1800 | ARMSTRONG    | 4300 0306-01.5    | -                    | 1.1             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-09     | BOILER # 5 PUMP       | MROOM P4    | CONDO     | 8.8              | 60         | 1800 | ARMSTRONG    | 4300 0306-01.5    | -                    | 1.1             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-10     | HIGH TEMP. SEC. PUMP  | MROOM P4    | CONDO     | 18.0             | 195        | 1800 | ARMSTRONG    | 4300 0306-007.5   | -                    | 5.6             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-11     | HIGH TEMP. SEC. PUMP  | MROOM P4    | CONDO     | 18.0             | 195        | 1800 | ARMSTRONG    | 4300 0306-007.5   | -                    | 5.6             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-12     | LOW TEMP. SEC. PUMP   | MROOM P4    | CONDO     | 28.4             | 255        | 1800 | ARMSTRONG    | 4300 0610-020     | -                    | 15.0            | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-13     | LOW TEMP. SEC. PUMP   | MROOM P4    | CONDO     | 28.4             | 255        | 1800 | ARMSTRONG    | 4300 0610-020     | -                    | 15.0            | 575          | 3     |          | 6P4RCM | YES     | -            | YES     | -             | YES  | -         | VFD    | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.                                               |
| PC-14     | MUA-1 HEATING PUMP    | MROOM P1    | CONDO     | 2.0              | 125        | 1800 | ARMSTRONG    | 4300 1508-001.5   | -                    | 1.1             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-15     | MUA-1 HEATING PUMP    | MROOM P1    | CONDO     | 2.0              | 125        | 1800 | ARMSTRONG    | 4300 1508-001.5   | -                    | 1.1             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-16     | MUA-2 HEATING PUMP    | MROOM L1 M2 | CONDO     | 5.1              | 130        | 1800 | ARMSTRONG    | 4300 0208-003     | -                    | 2.2             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-17     | MUA-2 HEATING PUMP    | MROOM L1 M2 | CONDO     | 5.1              | 130        | 1800 | ARMSTRONG    | 4300 0208-003     | -                    | 2.2             | 575          | 3     |          | 6P4RCM | -       | YES          | YES     | -             | YES  | -         | PKG    | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                               |
| PC-18     | MUA-3 HEATING PUMP    | MROOM PH    | CONDO     | 5.3              | 130        | 1800 | ARMSTRONG    | 4300 0208-003     | -                    | 2.2             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-19     | MUA-3 HEATING PUMP    | MROOM PH    | CONDO     | 5.3              | 130        | 1800 | ARMSTRONG    | 4300 0208-003     | -                    | 2.2             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | OP-6P4RCM | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-20     | BOILER # 6 PUMP       | MROOM P4    | CONDO     | 5.7              | 80         | 1800 | ARMSTRONG    | 4300 0206-001.5   | -                    | 1.1             | 575          | 3     |          | 6P4RCM | -       | YES          | YES     | -             | YES  | -         | OM PWR | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW ISOLATION DISCONNECT                                                                                                                                                                                    |
| PC-21     | BOILER # 7 PUMP       | MROOM P4    | CONDO     | 5.7              | 80         | 1800 | ARMSTRONG    | 4300 0206-001.5   | -                    | 1.1             | 575          | 3     |          | 6P4RCM | -       | YES          | YES     | -             | YES  | -         | OM PWR | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW ISOLATION DISCONNECT                                                                                                                                                                                    |
| PC-22     | BOILER # 8 PUMP       | MROOM P4    | CONDO     | 5.7              | 80         | 1800 | ARMSTRONG    | 4300 0206-001.5   | -                    | 1.1             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | OM PWR    | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |
| PC-23     | DHW HEATING SEC. PUMP | MROOM P4    | CONDO     | 19.2             | 170        | 1800 | ARMSTRONG    | 4300 0306-007.5   | -                    | 5.6             | 575          | 3     | 6P4RCM   | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-24     | DHW HEATING SEC. PUMP | MROOM P4    | CONDO     | 19.2             | 170        | 1800 | ARMSTRONG    | 4300 0306-007.5   | -                    | 5.6             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                            |
| PC-25     | DOMESTIC BOOSTER PUMP | MROOM P1    | CONDO     | 10.1             | 560        | 3525 | GRUNDFOS     | MPC-EIGUE 3CR30-3 | -                    | 11.2            | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | PACKAGE CW CONTROL PANEL, VFD, PVS AND EXPANSION TANK PRESSURES REQUIRED AFTER PVS - MANUFACTURER TO CONFIRM STREET PRESSURE AT SITE PRIOR TO MANUFACTURE OF PUMPS, VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS. PROVIDE 2 SEPARATE CONTROLLERS (ONE NORMAL ONE EMERGENCY POWER) WITH INTERLOCKED CONTROLS TO ALLOW EMERGENCY PUMP TO OPERATE UNDER EMERGENCY POWER. |                                                                                                                                                                                                            |
| PC-26     | DOMESTIC BOOSTER PUMP | MROOM P1    | CONDO     | 10.1             | 560        | 3525 | GRUNDFOS     | MPC-EIGUE 3CR30-3 | -                    | 11.2            | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | PACKAGE CW CONTROL PANEL, VFD, PVS AND EXPANSION TANK PRESSURES REQUIRED AFTER PVS - MANUFACTURER TO CONFIRM STREET PRESSURE AT SITE PRIOR TO MANUFACTURE OF PUMPS, VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS. PROVIDE 2 SEPARATE CONTROLLERS (ONE NORMAL ONE EMERGENCY POWER) WITH INTERLOCKED CONTROLS TO ALLOW EMERGENCY PUMP TO OPERATE UNDER EMERGENCY POWER. |                                                                                                                                                                                                            |
| PC-27     | DOMESTIC BOOSTER PUMP | MROOM P4    | CONDO     | 10.1             | 560        | 3525 | GRUNDFOS     | MPC-EIGUE 3CR30-3 | -                    | 11.2            | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | VFD       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | PACKAGE CW CONTROL PANEL, VFD, PVS AND EXPANSION TANK PRESSURES REQUIRED AFTER PVS - MANUFACTURER TO CONFIRM STREET PRESSURE AT SITE PRIOR TO MANUFACTURE OF PUMPS, VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS. PROVIDE 2 SEPARATE CONTROLLERS (ONE NORMAL ONE EMERGENCY POWER) WITH INTERLOCKED CONTROLS TO ALLOW EMERGENCY PUMP TO OPERATE UNDER EMERGENCY POWER. |                                                                                                                                                                                                            |
| PC-28     | FIRE PUMP             | MROOM       | CONDO     | 47.3             | 760        | 3600 | ARMSTRONG    | VIL-6W4LE-B-75    | -                    | 56.0            | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | PACKAGE UNIT CW LAC LABELLED, CONTROLLER REDUCED VOLTAGE STARTER TRANSFER SWITCH AND JOCKEY PUMP.                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                            |
| PC-29     | JOCKEY PUMP           | MROOM       | CONDO     | 0.5              | 820        | 3600 | ARMSTRONG    | 4700-VMS-03-08-2  | -                    | 1.5             | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | PACKAGE UNIT CW LAC LABELLED, CONTROLLER REDUCED VOLTAGE STARTER TRANSFER SWITCH AND JOCKEY PUMP.                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                            |
| PC-30     | SANITARY SLUMP PUMP   | FD LEVEL    | CONDO     | 6.3              | 240        | 1800 | BARNES       | 45E-7554L         | -                    | 5.6             | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-31     | SANITARY SLUMP PUMP   | FD LEVEL    | CONDO     | 6.3              | 240        | 1800 | BARNES       | 45E-7554L         | -                    | 5.6             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-32     | STORM SLUMP PUMP      | FD LEVEL    | CONDO     | 3.2              | 300        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-33     | STORM SLUMP PUMP      | FD LEVEL    | CONDO     | 3.2              | 300        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     |          | 6P4RCM | YES     | -            | YES     | -             | YES  | -         | PKG    | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES. |
| PC-34     | WEEPING SLUMP PUMP    | FD LEVEL    | CONDO     | 3.2              | 300        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-35     | WEEPING SLUMP PUMP    | FD LEVEL    | CONDO     | 3.2              | 300        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-36     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 6.3              | 240        | 1800 | BARNES       | 45E-7554L         | -                    | 5.6             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-37     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 6.3              | 240        | 1800 | BARNES       | 45E-7554L         | -                    | 5.6             | 575          | 3     |          | 6P4RCM | YES     | -            | YES     | -             | YES  | -         | PKG    | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES. |
| PC-38     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 6.3              | 270        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     | 6P4RCM   | YES    | -       | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-39     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 6.3              | 270        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-40     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 9.5              | 240        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     |          | -      | YES     | YES          | -       | YES           | -    | PKG       | -      | YES           | YES                | -                   | -              | DIV. 15  | -          | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.                                                                                                                                                           |                                                                                                                                                                                                            |
| PC-41     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 9.5              | 240        | 1800 | BARNES       | 45E-11354L        | -                    | 8.4             | 575          | 3     |          | 6P4RCM | YES     | -            | YES     | -             | YES  | -         | PKG    | -             | YES                | YES                 | -              | -        | DIV. 15    | -                                                                                                                                                                                                                                                                                                                                                                    | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES. |
| PC-42     | ELEVATOR SLUMP PUMP   | FD LEVEL    | CONDO     | 3.2              | 240        | 1800 | BARNES       | 35E-3955L         | -                    | 2.2             | 575          | 3     | 6P4      |        |         |              |         |               |      |           |        |               |                    |                     |                |          |            |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                            |



FAN SCHEDULE

| REFERENCE | DESCRIPTION           | LOCATION               | SERVING                | OWNERSHIP | EXHAUST AIR (L/S) | E.S.P. (KPA) | FAN (RPM) | WEIGHT (KG.) | P.W.L. Ø RE 10"12 WATTS OCTAVE BAND |   |   |   |   |   |   |           | MANUFACTURER | MODEL | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |         |          |     |        | STARTER      |               | TYPE | CONTROLS |       |               |        | OTHER REQUIREMENTS: |                    |           | OTHERS                                                                                                                                                                                                             | REMARKS: |
|-----------|-----------------------|------------------------|------------------------|-----------|-------------------|--------------|-----------|--------------|-------------------------------------|---|---|---|---|---|---|-----------|--------------|-------|----------------------|-----------------|--------------|---------|----------|-----|--------|--------------|---------------|------|----------|-------|---------------|--------|---------------------|--------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|           |                       |                        |                        |           |                   |              |           |              | 1                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8         |              |       |                      |                 | VOLTS        | PHASE   | FED FROM | EM. | NORM.  | SUPPLIED BY: | INSTALLED BY: |      | MANUAL   | AUTO. | INTERLOCK BY: |        | DISC. AT MOTOR      | W.P. DISC AT MOTOR | F.A. SHUT |                                                                                                                                                                                                                    |          |
|           |                       |                        |                        |           |                   |              |           |              |                                     |   |   |   |   |   |   |           |              |       |                      |                 |              |         |          |     |        |              |               |      |          |       | DNV 15        | DNV 15 |                     |                    |           |                                                                                                                                                                                                                    |          |
| EFC-01    | PARKING EXHAUST       | PARKING P4             | PARKING P4             | CONDO     | 6140              | 0.09         | 962       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-9408-30  | -     | 2.2                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         | ON 2 SPEED MOTOR. START FAN AUTOMATICALLY UPON RECEIPT OF FIRE ALARM SIGNALS. PROVIDE REMOTE MANUAL ON/OFF SWITCH AT THE FIRE ALARM CACP PANEL FOR EACH FAN. PROVIDE ADDITIONAL CONTACTS ON STARTER FOR CO SYSTEM. |          |
| EFC-02    | PARKING EXHAUST       | PARKING P4             | PARKING P4             | CONDO     | 6140              | 0.09         | 962       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-9408-30  | -     | 2.2                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-3     | PARKING EXHAUST       | PARKING P3             | PARKING P3             | CONDO     | 6140              | 0.09         | 962       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-9408-30  | -     | 2.2                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-4     | PARKING EXHAUST       | PARKING P3             | PARKING P3             | CONDO     | 6140              | 0.09         | 962       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-9408-30  | -     | 2.2                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-5     | PARKING EXHAUST       | PARKING P2             | PARKING P2             | CONDO     | 7080              | 0.08         | 663       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-2442-30  | -     | 2.2                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-6     | PARKING EXHAUST       | PARKING P2             | PARKING P2             | CONDO     | 7080              | 0.08         | 663       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-2442-30  | -     | 2.2                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-7     | PARKING EXHAUST       | PARKING P1             | PARKING P1             | CONDO     | 9910              | 0.07         | 804       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-2442-50  | -     | 3.7                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-8     | PARKING EXHAUST       | PARKING P1             | PARKING P1             | CONDO     | 9910              | 0.07         | 804       | -            | -                                   | - | - | - | - | - | - | GREENHECK | SBS-2442-50  | -     | 3.7                  | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-9     | CHILLER ROOM EXHAUST  | PARKING P4             | P416 CHILLER ROOM      | CONDO     | 460               | 0.07         | 677       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-90-4     | -     | 0.20                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-10    | CHILLER REFR. EXHAUST | PARKING P4             | P416 CHILLER ROOM      | CONDO     | 1680              | 0.07         | 542       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-150-10   | -     | 0.75                 | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-11    | LOCKER ROOM EXHAUST   | P417 LOCKER ROOM P4    | P417 LOCKER ROOM P4    | CONDO     | 60                | 0.05         | 1600      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-VG     | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-12    | LOCKER ROOM EXHAUST   | P412 LOCKER ROOM P4    | P412 LOCKER ROOM P4    | CONDO     | 38                | 0.05         | 1300      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-60-G      | -     | 0.05                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-13    | BKE ROOM EXHAUST      | P411 BKE ROOM P4       | P411 BKE ROOM P4       | CONDO     | 186               | 0.07         | 1070      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A510     | -     | 0.30                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-14    | LOCKER ROOM EXHAUST   | P409 LOCKER ROOM P4    | P409 LOCKER ROOM P4    | CONDO     | 586               | 0.06         | 695       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-90-4     | -     | 0.20                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-15    | BKE ROOM EXHAUST      | P407 BKE ROOM P4       | P407 BKE ROOM P4       | CONDO     | 100               | 0.06         | 960       | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A200     | -     | 0.10                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-16    | LOCKER ROOM EXHAUST   | P405 LOCKER ROOM P4    | P405 LOCKER ROOM P4    | CONDO     | 70                | 0.05         | 1600      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-G      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-17    | BKE ROOM EXHAUST      | P310 BKE ROOM P3       | P310 BKE ROOM P3       | CONDO     | 85                | 0.05         | 1550      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-D      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-18    | BKE ROOM EXHAUST      | P307 BKE ROOM P3       | P307 BKE ROOM P3       | CONDO     | 105               | 0.05         | 970       | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A200     | -     | 0.10                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-19    | BKE ROOM EXHAUST      | P306 BKE ROOM P3       | P306 BKE ROOM P3       | CONDO     | 160               | 0.06         | 1070      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A510     | -     | 0.30                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-20    | LOCKER ROOM EXHAUST   | P303 LOCKER ROOM P3    | P303 LOCKER ROOM P3    | CONDO     | 586               | 0.06         | 695       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-90-4     | -     | 0.20                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-21    | BKE ROOM EXHAUST      | P305 BKE ROOM P3       | P305 BKE ROOM P3       | CONDO     | 70                | 0.05         | 1600      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-VG     | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-22    | BKE ROOM EXHAUST      | P213 BKE ROOM P2       | P213 BKE ROOM P2       | CONDO     | 210               | 0.06         | 1070      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A510     | -     | 0.3                  | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-23    | BKE ROOM EXHAUST      | P211 BKE ROOM P2       | P211 BKE ROOM P2       | CONDO     | 75                | 0.05         | 1550      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-D      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-24    | BKE ROOM EXHAUST      | P210 BKE ROOM P2       | P210 BKE ROOM P2       | CONDO     | 62                | 0.05         | 1600      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-VG     | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-25    | BKE ROOM EXHAUST      | P218 BKE ROOM P2       | P218 BKE ROOM P2       | CONDO     | 88                | 0.05         | 1550      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-D      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-26    | MECH ROOM EXHAUST     | P216 MECH ROOM P2      | P216 MECH ROOM P2      | CONDO     | 75                | 0.05         | 1550      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-D      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-27    | PARK ELEC. RM EXHAUST | P218 PARK ELEC. RM P2  | P218 PARK ELEC. RM P2  | CONDO     | 90                | 0.05         | 1550      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-D      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-28    | MUA ROOM EXHAUST      | P122 MUA ROOM P1       | P122 MUA ROOM P1       | CONDO     | 260               | 0.06         | 1100      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A700     | -     | 0.3                  | 115             | 1            | 2P4RCMW | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-29    | SPRINKLER RM EXHAUST  | P121 SPRINKLER RM P1   | P121 SPRINKLER RM P1   | CONDO     | 330               | 0.07         | 1100      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A700     | -     | 0.3                  | 115             | 1            | 2P4RCMW | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-30    | EAST GARBAGE EXHAUST  | 138 EAST GARBAGE L1    | 138 EAST GARBAGE L1    | CONDO     | 396               | 0.06         | 963       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-90-4     | -     | 0.3                  | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-31    | LOADING BAY EXHAUST   | 134 LOADING BAY L1     | 134 LOADING BAY L1     | CONDO     | 1156              | 0.07         | 570       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-120-7    | -     | 0.56                 | 575             | 3            | 6P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-32    | MUA ROOM EXHAUST      | 1M15 MUA ROOM L1 M     | 1M15 MUA ROOM L1 M     | CONDO     | 305               | 0.07         | 1100      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A700     | -     | 0.3                  | 115             | 1            | 2P4RCMW | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-33    | WEST GARBAGE EXHAUST  | 1M11 WEST GARBAGE L1 M | 1M11 WEST GARBAGE L1 M | CONDO     | 330               | 0.07         | 1100      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A700     | -     | 0.3                  | 115             | 1            | 2P4RCMW | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-34    | MECH ROOM EXHAUST     | 1316 MECH ROOM L13     | 1316 MECH ROOM L13     | CONDO     | 305               | 0.07         | 1100      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A700     | -     | 0.3                  | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-35    | MECH ROOM EXHAUST     | 1316 MECH ROOM L13     | 1316 LOCKER ROOM L13   | CONDO     | 720               | 0.07         | 695       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-90-5     | -     | 0.3                  | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-36    | MUA ROOM EXHAUST      | 1322 MUA ROOM L13      | 1322 MUA ROOM L13      | CONDO     | 223               | 0.06         | 1070      | -            | -                                   | - | - | - | - | - | - | GREENHECK | CSP-A510     | -     | 0.3                  | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-37    | AMENITY SMOKE EXHAUST | PARKING P1             | AMENITY P1             | CONDO     | 2980              | 0.12         | 2230      | -            | -                                   | - | - | - | - | - | - | GREENHECK | QES-16-1-50  | -     | 3.75                 | 575             | 3            | 6EP4RCM | YES      | -   | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| EFC-38    | W/ROOM 113 EXHAUST    | WASHROOM 113 L1        | WASHROOM 113 L1        | CONDO     | 70                | 0.10         | 1600      | -            | -                                   | - | - | - | - | - | - | GREENHECK | SQ-70-D      | -     | 0.12                 | 115             | 1            | 2P4RCM  | -        | YES | DNV 15 | DNV 15       | -             | -    | YES      | YES   | YES           | -      | -                   | -                  | -         |                                                                                                                                                                                                                    |          |
| SFC-01    | STAR PRESSURIZATION   | STAR W PRESSURIZATION  | STAR W PRESSURIZATION  | CONDO     | 2360              | 0.15         | 742       | -            | -                                   | - | - | - | - | - | - | GREENHECK | BOF-150-30   | -     | 2.20                 | 575             |              |         |          |     |        |              |               |      |          |       |               |        |                     |                    |           |                                                                                                                                                                                                                    |          |



ENTRANCE AND UNIT HEATER SCHEDULE

| REFERENCE         | DESCRIPTION              | LOCATION               | OWNERSHIP |    | HEATING CAPACITY OUTPUT (KW) | WATER FLOW (L/S) | WATER TEMP. (C) | AIR FLOW (L/S) | AIR ENT. TEMP. (C) | MANUFACTURER | MODEL        | TYPE | PRE-BATTING (KPA) | MOTOR AMPS | POWER SUPPLY |        |          |     |       | STARTER      |         |               |        | CONTROLS |        |       |               | OTHER REQUIREMENTS |                     |                | REMARKS: |            |                                          |  |  |
|-------------------|--------------------------|------------------------|-----------|----|------------------------------|------------------|-----------------|----------------|--------------------|--------------|--------------|------|-------------------|------------|--------------|--------|----------|-----|-------|--------------|---------|---------------|--------|----------|--------|-------|---------------|--------------------|---------------------|----------------|----------|------------|------------------------------------------|--|--|
|                   |                          |                        |           |    |                              |                  |                 |                |                    |              |              |      |                   |            | VOLTS        | PHASE  | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |        | TYPE     | MANUAL | AUTO. | INTERLOCK BY: |                    | W.P. DISC. AT MOTOR | DISC. AT MOTOR |          | F.A. SHUT. |                                          |  |  |
|                   |                          |                        |           |    |                              |                  |                 |                |                    |              |              |      |                   |            |              |        |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV.16 |          |        |       | DIV. 15       | DIV.16             |                     |                |          |            |                                          |  |  |
|                   |                          |                        |           |    |                              |                  |                 |                |                    |              |              |      |                   |            |              |        |          |     |       |              |         |               |        |          |        |       |               |                    |                     |                |          |            |                                          |  |  |
| EHC-01            | FORCE FLO CABINET HEATER | P413 ELEVATOR LOBBY    | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-02            | FORCE FLO CABINET HEATER | P403 ELEVATOR LOBBY    | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-03            | FORCE FLO CABINET HEATER | P308 ELEVATOR LOBBY    | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-04            | FORCE FLO CABINET HEATER | P302 ELEVATOR LOBBY    | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-05            | FORCE FLO CABINET HEATER | P215 ELEVATOR LOBBY    | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-06            | FORCE FLO CABINET HEATER | P103 ELEVATOR LOBBY    | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-07            | FORCE FLO CABINET HEATER | P117 WEST ELEV LOBBY   | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-08            | FORCE FLO CABINET HEATER | 140 EAST VESTIBULE     | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-09            | FORCE FLO CABINET HEATER | L1 STAIR B             | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| EHC-10            | FORCE FLO CABINET HEATER | L1 STAIR B             | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-11            | FORCE FLO CABINET HEATER | 135 BRKE WASH          | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| EHC-12            | FORCE FLO CABINET HEATER | 101 WEST VESTIBULE     | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-13            | FORCE FLO CABINET HEATER | 137 EXIST CORRIDOR     | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-14            | FORCE FLO CABINET HEATER | 104 MAIL ROOM          | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-15            | FORCE FLO CABINET HEATER | 126 VESTIBULE          | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-16            | FORCE FLO CABINET HEATER | 144 CORRIDOR           | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-17            | FORCE FLO CABINET HEATER | 145 EXIT CORRIDOR      | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-18            | FORCE FLO CABINET HEATER | 146 EXIT CORRIDOR      | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-19            | FORCE FLO CABINET HEATER | L2 EXIT CORRIDOR       | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-20            | FORCE FLO CABINET HEATER | L2 EXIT CORRIDOR       | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-21            | FORCE FLO CABINET HEATER | 1520 CORRIDOR          | CONDO     | 6  | 0.11                         | 82.2             | 110             | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| EHC-22 (NOT USED) |                          |                        |           |    |                              |                  |                 |                |                    |              |              |      |                   |            |              |        |          |     |       |              |         |               |        |          |        |       |               |                    |                     |                |          |            |                                          |  |  |
| EHC-23            | FORCE FLO CABINET HEATER | 1305 VESTIBULE         | CONDO     | 4  | 0.07                         | 82.2             | 90              | 18.3           | TRAME              | FFEB020J     | CEILING HUNG | -    | 3                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |  |  |
| UHC-01            | HOT WATER UNIT HEATER    | P416 CHILLER ROOM P4   | CONDO     | 10 | 0.22                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-02            | HOT WATER UNIT HEATER    | P416 CHILLER ROOM P4   | CONDO     | 10 | 0.22                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-03            | HOT WATER UNIT HEATER    | P415 SOLER ROOM P4     | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-04            | HOT WATER UNIT HEATER    | P415 SOLER ROOM P4     | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-05            | HOT WATER UNIT HEATER    | P216 MECH. ROOM P2     | CONDO     | 4  | 0.12                         | 82.2             | 240             | 18.3           | TRAME              | UH5A361T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-06            | HOT WATER UNIT HEATER    | P218 SPRINKLER CAB. P2 | CONDO     | 8  | 0.17                         | 82.2             | 400             | 18.3           | TRAME              | UH5A361T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-07            | HOT WATER UNIT HEATER    | P122 MUA ROOM P1       | CONDO     | 8  | 0.17                         | 82.2             | 400             | 18.3           | TRAME              | UH5A361T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-08            | HOT WATER UNIT HEATER    | 121 SPRINKLER ROOM P1  | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-09            | HOT WATER UNIT HEATER    | 136 EAST GARBAGE L1    | CONDO     | 8  | 0.17                         | 82.2             | 400             | 18.3           | TRAME              | UH5A361T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-10            | HOT WATER UNIT HEATER    | 134 LOADING AREA L1    | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-11            | HOT WATER UNIT HEATER    | 134 LOADING AREA L1    | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-12            | HOT WATER UNIT HEATER    | 1M15 MUA ROOM L1 M     | CONDO     | 10 | 0.22                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-13            | HOT WATER UNIT HEATER    | 1M11 GARBAGE L1 M      | CONDO     | 10 | 0.22                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-14            | HOT WATER UNIT HEATER    | 1316 GEN ROOM L13      | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-15            | HOT WATER UNIT HEATER    | 1316 MECH ROOM L13     | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-16            | HOT WATER UNIT HEATER    | 1316 MECH ROOM L13     | CONDO     | 12 | 0.30                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |
| UHC-17            | HOT WATER UNIT HEATER    | 1322 MUA RM L13        | CONDO     | 10 | 0.22                         | 82.2             | 400             | 18.3           | TRAME              | UH5A481T     | CABINET      | -    | 2                 | 115        | 1            | 2P4RCM | -        | YES | YES   | -            | YES     | -             | -      | -        | YES    | YES   | -             | -                  | -                   | -              | -        | -          | CW REMOTE T-STAT AND DISCONNECT SWITCH   |  |  |

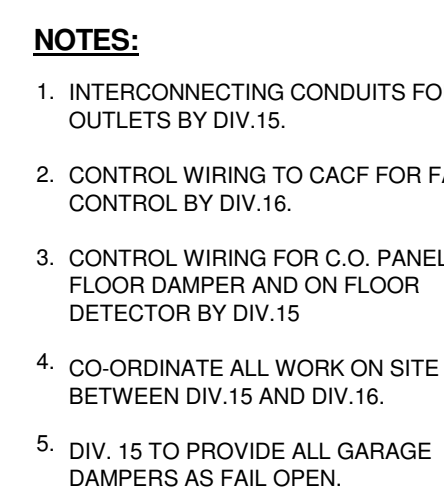
UNITARY DX UNITS SCHEDULE

| REFERENCE | DESCRIPTION      | LOCATION        | OWNERSHIP | SUPPLY AIR (L/S) | COOLING CAP. (KW) |       | EVAP. ENT. COND. (°C) |      | HEATING CAP. (KW) | MANUFACTURER      | MODEL      | FLA AMPS | MAX FUSE SIZE | POWER SUPPLY |       |          |     |       | STARTER      |         |               |         | CONTROLS |        |      |               | OTHER REQUIREMENTS |                     |                | REMARKS: | NOTES:<br>1. REFER TO ISOLATION. |            |
|-----------|------------------|-----------------|-----------|------------------|-------------------|-------|-----------------------|------|-------------------|-------------------|------------|----------|---------------|--------------|-------|----------|-----|-------|--------------|---------|---------------|---------|----------|--------|------|---------------|--------------------|---------------------|----------------|----------|----------------------------------|------------|
|           |                  |                 |           |                  | TOTAL             | SENS. | DB                    | WB   |                   |                   |            |          |               | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE     | MANUAL | AUTO | INTERLOCK BY: |                    | W.P. DISC. AT MOTOR | DISC. AT MOTOR |          |                                  | F.A. SHUT. |
|           |                  |                 |           |                  |                   |       |                       |      |                   |                   |            |          |               |              |       |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 |          |        |      | DIV. 15       | DIV. 16            |                     |                |          |                                  |            |
| ACC-01    | DX FAN COOL UNIT | P105 ELEC. RM   | CONDO     | 1130             | 22                | -     | 26.7                  | 19.4 | -                 | DAIKIN            | LAH005A    | 2.1      | 15            | 575          | 3     | 6P1RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-02    | DX FAN COOL UNIT | P105 ELEC. RM   | CONDO     | 1130             | 22                | -     | 26.7                  | 19.4 | -                 | DAIKIN            | LAH005A    | 2.1      | 15            | 575          | 3     | 6P1RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-03    | DX FAN COOL UNIT | P105 ELEC. RM   | CONDO     | 1130             | 22                | -     | 26.7                  | 19.4 | -                 | DAIKIN            | LAH005A    | 2.1      | 15            | 575          | 3     | 6P1RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-04    | DX FAN COOL UNIT | P105 ELEC. RM   | CONDO     | 1130             | 22                | -     | 26.7                  | 19.4 | -                 | DAIKIN            | LAH005A    | 2.1      | 15            | 575          | 3     | 6P1RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-05    | DX FAN COOL UNIT | 1006 ELEV. MRM  | CONDO     | 1130             | 16.7              | -     | 26.7                  | 19.4 | -                 | IEC INTERNATIONAL | HB000      | 3.8      | 15            | 200          | 3     | 2P0RCW   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-06    | DX FAN COOL UNIT | 1017 ELEV. MRM  | CONDO     | 1130             | 16.7              | -     | 26.7                  | 19.4 | -                 | IEC INTERNATIONAL | HB000      | 3.8      | 15            | 200          | 3     | 2P0RCW   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-07    | DX FAN COOL UNIT | P410 ELEV. MRM  | CONDO     | 190              | 3.4               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FTXS12LVAJ | 2        | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-08    | DX FAN COOL UNIT | P125 ELEV. MRM  | CONDO     | 190              | 3.4               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FTXS12LVAJ | 2        | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-09    | DX FAN COOL UNIT | RM1 WEST GARAGE | CONDO     | 370              | 6.8               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FHQ2MPVJAJ | 1.3      | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-10    | DX FAN COOL UNIT | RM1 WEST GARAGE | CONDO     | 370              | 6.8               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FHQ2MPVJAJ | 1.3      | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-11    | DX FAN COOL UNIT | 106 EAST GARAGE | CONDO     | 370              | 6.8               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FHQ2MPVJAJ | 1.3      | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-12    | DX FAN COOL UNIT | 106 EAST GARAGE | CONDO     | 370              | 6.8               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FHQ2MPVJAJ | 1.3      | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |
| ACC-13    | DX FAN COOL UNIT | 1014 RECYCLING  | CONDO     | 188              | 3.4               | -     | 26.7                  | 19.4 | -                 | DAIKIN            | FTXS12LVAJ | 2        | 15            | 200          | 1     | 2P4RCM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES  | YES           | -                  | -                   | DIV 15         | -        |                                  |            |



| DOMESTIC HOT WATER HEATERS                | DHWTC # 1   | DHWTC # 2   |  |  | REMARKS                                                                                                                                                       |
|-------------------------------------------|-------------|-------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANUFACTURER                              | CLEMMER     | CLEMMER     |  |  | CEMENT LINED TANK, INSULATED<br>DOUBLE WALL COIL RATED TO 175-200 PSI / TANK FLANGE SIZE TO MATCH TUBE BUNDLE SIZE                                            |
| STORAGE CAPACITY (LIT)                    | 6975        | 3177        |  |  |                                                                                                                                                               |
| OPERATING PRESSURE MAX. (KPA) TANK SHELL  | 1034        | 1034        |  |  |                                                                                                                                                               |
| COIL MODEL (KPA) COPPER TUBE              | DW14        | DW10-48     |  |  | **DOUBLE WALL COIL TUBES RATED AT 175-200 PSI WORKING PRESSURE.<br>HEATING WATER A DOMESTIC WATER SUPPLIER TO CONFIRM COIL MODELS WITH LFN PRIOR TO ORDERING. |
| CAPACITY (LPH) / TEMP. RISE               | 9800 / 56 C | 2039 / 56 C |  |  |                                                                                                                                                               |
| COIL INPUT (KW) BOILER SIDE (B2,C2-T1,T2) | 445         | 182         |  |  |                                                                                                                                                               |
| COIL L/S BOILER SIDE                      | 9.8         | 3.9         |  |  |                                                                                                                                                               |
| SIZE (DIA X LENGTH)                       | 1820 x 3050 | 1370 x 2440 |  |  |                                                                                                                                                               |
| OWNERSHIP                                 | CONDO       | CONDO       |  |  |                                                                                                                                                               |

| REF.  | SYSTEM                 | OWNERSHIP | TANK CAPACITY (LT) | MAX ACCEPT (LT) | MODEL   | MANUFACTURER | REMARKS |
|-------|------------------------|-----------|--------------------|-----------------|---------|--------------|---------|
| ETC-1 | L.T. BOILER SYSTEM     | CONGO     | 2893               | -               | 3000-L  | AMTROL       |         |
| ETC-2 | H.T. BOILER SYSTEM     | CONGO     | 2000               | -               | 2000-L  | AMTROL       |         |
| ETC-3 | CH WATER SYSTEM        | CONGO     | 797                | 317             | AIX-280 | AMTROL       |         |
| ETC-4 | MALUC 1 HEATING SYSTEM | CONGO     | 41                 | 9               | AX-20   | AMTROL       |         |
| ETC-5 | MALUC 2 HEATING SYSTEM | CONGO     | 62                 | 42              | AX-40   | AMTROL       |         |
| ETC-6 | MALUC 3 HEATING SYSTEM | CONGO     | 62                 | 42              | AX-40   | AMTROL       |         |
| ETC-7 | DHW BOILER SYSTEM      | CONGO     | 257                | 129             | AX-120  | AMTROL       |         |
| ETC-8 | DHWTC-01 SYSTEM        | CONGO     | 340                | -               | ST-010V | AMTROL       |         |
| ETC-8 | DHWTC-02 SYSTEM        | CONGO     | 250                | -               | ST-120V | AMTROL       |         |
|       |                        |           |                    |                 |         |              |         |



| 600V, 3 PHASE MOTOR SIZING DATA FOR STARTER |     |      |                              |                                     |                                 |                                          |           |                                    |                             |        |          |
|---------------------------------------------|-----|------|------------------------------|-------------------------------------|---------------------------------|------------------------------------------|-----------|------------------------------------|-----------------------------|--------|----------|
| MOTOR                                       |     |      | COMBINATION MAGNETIC STARTER |                                     |                                 |                                          | YTD       | UNF. DISC. SW.<br>AT<br>MOTOR AMPS | FEEDER & WIRING             |        | REMARKS: |
| HP                                          | FLA | SIZE | TYPE                         | CLASS 3<br>TIME<br>DELAY<br>FLA USE | BREAKER<br>AMPS<br>(HACR RATED) | FAST ACTING<br>SWITCH/ FUSE<br>SIZE AMPS | MIN. AMPS | MIN. WIRE SIZE                     | MIN. CONDUIT SIZE<br>(INCH) | (mm)   |          |
| 1/2                                         | 0.9 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 5         | 30                                 | 3 # 12                      | 1 1/2" | 12       |
| 3/4                                         | 1.3 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 1                                           | 1.7 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 1 1/2                                       | 2.4 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 2                                           | 2.7 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 3                                           | 3.9 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 5                                           | 6.1 | 1    | FVNR                         | 3015                                | 15                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 7 1/2                                       | 9   | 1    | FVNR                         | 3015                                | 20                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 10                                          | 11  | 1    | FVNR                         | 3015                                | 20                              | 3015                                     | 30        | 15                                 | 3 # 12                      | 1 1/2" | 12       |
| 15                                          | 17  | 2    | FVNR                         | 3015                                | 40                              | 3015                                     | 60        | 28                                 | 3 # 10                      | 1 1/2" | 12       |
| 20                                          | 22  | 2    | FVNR                         | 6035                                | 50                              | 6030                                     | 60        | 28                                 | 3 # 10                      | 1 1/2" | 12       |
| 25                                          | 27  | 2    | FVNR                         | 6045                                | 70                              | 10080                                    | 60        | 34 # 8                             | 3 1/4"                      | 20     | 25       |
| 30                                          | 32  | 3    | FVNR                         | 6050                                | 80                              | 10060                                    | 60        | 40                                 | 3 # 8                       | 3 1/4" | 20       |
| 40                                          | 41  | 3    | FVNR                         | 10070                               | 100                             | 200125                                   | 100       | 52                                 | 3 # 8                       | 3 1/4" | 20       |
| 50                                          | 52  | 3    | FVNR                         | 10090                               | 125                             | 200150                                   | 100       | 65                                 | 3 # 6                       | 3 1/4" | 25       |
| 60                                          | 62  | 4    | FVNR                         | 200110                              | 150                             | 200175                                   | 200       | 78                                 | 3 # 4                       | 3 1/4" | 25       |
| 75                                          | 77  | 4    | FVNR                         | 200125                              | 190                             | 400025                                   | 200       | 97                                 | 3 # 3                       | 3 1/4" | 32       |
| 90                                          | 82  | 4    | FVNR                         | 200135                              | 190                             | 400025                                   | 200       | 103                                | 3 # 3                       | 3 1/4" | 32       |
| 100                                         | 100 | 5    | FVNR                         | 200175                              | 250                             | 600030                                   | 200       | 124                                | 3 # 1                       | 3 1/4" | 32       |
| 200                                         | 192 | 5    | FVNR                         | 400030                              | 250                             | 600050                                   | 400       | 240                                | 3 #0MM                      | 2 1/2" | 65       |

**GENERAL NOTES:**

1. USE OF FUSE RATED ON BUSBAR, 2. DUAL ELEMENT TIME DELAY FUSES
2. PROVIDE MANUAL STARTERS FOR ALL 3ØN MOTORS TO DAT.
3. STARTER/ BREAKER DISCONNECT SWITCHES IN THE PARKING LEVELS SHALL BE MOUNTED BEHIND A LOCKABLE, KEYS
4. ALIVE.
5. THROUGH CIRCLES PROVIDE A MINIMUM 4 KEYS.
6. ALL WIRING CUES ARE BASED ON COPPER.

**STARTER TYPES:**

FVNR = FULL VOLTAGE NON REVERSERS  
FVNR - REDUCED VOLTAGE NON REVERSERS  
PO - PACKAGED MOTOR STARTER  
2SPR - TWO SPEED SINGLE WINDING  
3SPR - THREE SPEED SINGLE WINDING  
6SPR - 6 SPEED SINGLE WINDING  
RVSS - DENOTES REDUCED VOLTAGE "SOFT" START STARTERS

| No.: | Revision  | Date       |
|------|-----------|------------|
| 1    | ADD M.001 | 2015/10/30 |



## WATER CHILLER SCHEDULE

| REFERENCE | DESCRIPTION    | LOCATION | SERVING           | OWNERSHIP | CAPACITY (KW) | COOLER / EVAPORATOR |          |          |                 | SAT. DISCHARGE TEMP. (°C) | CONDENSER  |          |          |                 | SAT. DISCHARGE TEMP. (°C) | INPUT POWER (KW) | IP/L | REFRIGERANT | NO. OF COMPRESSOR | STEPS OF UNLOADING | MANUFACTURER | OPERATING WEIGHT (KG) | MODEL No. | MIN. CIRCUIT AMPS | MAX. FUSE SIZE | POWER SUPPLY |       |          |     |       | STARTER      |               | CONTROLS |        |       |               | OTHER REQUIREMENTS |                |                     | OTHERS | REMARKS: | NOTES: |                |
|-----------|----------------|----------|-------------------|-----------|---------------|---------------------|----------|----------|-----------------|---------------------------|------------|----------|----------|-----------------|---------------------------|------------------|------|-------------|-------------------|--------------------|--------------|-----------------------|-----------|-------------------|----------------|--------------|-------|----------|-----|-------|--------------|---------------|----------|--------|-------|---------------|--------------------|----------------|---------------------|--------|----------|--------|----------------|
|           |                |          |                   |           |               | FLOW (L/S)          | EWT (°C) | LWT (°C) | PRE. DROP (KPA) |                           | FLOW (L/S) | EWT (°C) | LWT (°C) | PRE. DROP (KPA) |                           |                  |      |             |                   |                    |              |                       |           |                   |                | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: | INSTALLED BY: | TYPE     | MANUAL | AUTO. | INTERLOCK BY: |                    | DISC. AT MOTOR | W.P. DISC. AT MOTOR |        |          |        | F.A. SHUT DOWN |
|           |                |          |                   |           |               |                     |          |          |                 |                           |            |          |          |                 |                           |                  |      |             |                   |                    |              |                       |           |                   |                |              |       |          |     |       |              |               |          |        |       | DIV. 15       | DIV. 16            |                |                     |        |          |        |                |
| CHA-01    | SCROLL CHILLER | CROOM PH | 2 PIPE FOU SYSTEM | ARTSCAPE  | 384           | 16.6                | 11.1     | 5.6      | 35              | -                         | 20.7       | 29.4     | 35.0     | 28              | 35.7                      | 84.5             | 25.3 | R410A       | -                 | -                  | MCQUAY DAKIN | -                     | W3211SD   | 181               | 225            | 575          | 3     | SWBD 6RA | -   | YES   | DIV. 15      | DIV. 15       | -        | -      | YES   | YES           | -                  | DIV. 15        | -                   | -      | -        |        |                |

## COOLING TOWER SCHEDULE

| REFERENCE | DESCRIPTION   | LOCATION | SERVING     | OWNERSHIP | CAPACITY (KW) | SUMMER     |          |          | OUTDOOR TEMP. WB. (°C) | WINTER     |          |          | TUBES PRESS. DROP (KPA) | MODEL         | OPERATING WEIGHT (KG) | MANUFACTURER      | PAN HEATER (KW) | FAN MOTOR (KW) | MIN. CIRCUIT AMPS | MAX. FUSE SIZE | POWER SUPPLY |       |          |     | STARTER |              | CONTROLS      |      |        |       | OTHER REQUIREMENTS    |               |                     | OTHERS  | REMARKS: | NOTES:                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------|---------------|----------|-------------|-----------|---------------|------------|----------|----------|------------------------|------------|----------|----------|-------------------------|---------------|-----------------------|-------------------|-----------------|----------------|-------------------|----------------|--------------|-------|----------|-----|---------|--------------|---------------|------|--------|-------|-----------------------|---------------|---------------------|---------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |               |          |             |           |               | FLOW (L/S) | EWT (°C) | LWT (°C) |                        | FLOW (L/S) | EWT (°C) | LWT (°C) |                         |               |                       |                   |                 |                |                   |                | VOLTS        | PHASE | FED FROM | EM. | NORM.   | SUPPLIED BY: | INSTALLED BY: | TYPE | MANUAL | AUTO. | INTERLOCK BY: DIV. 15 | DISC AT MOTOR | W.P. DISC. AT MOTOR |         |          |                                                                                                                                                                                       | F.A. SHUT DOWN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CTA-01    | INDUCED DRAFT | ROOF     | CHILLER # 2 | ARTSCAPE  | 384           | 20.7       | 35.0     | 29.4     | 24.4                   | -          | -        | -        | -                       | P72-0412A-101 | -                     | BALTIMORE AIRCOOL | 6               | 2 x 2.2        | -                 | -              | 575          | 3     | DP-46RA  | -   | YES     | DIV. 15      | DIV. 15       | VFD  | -      | YES   | YES                   | -             | -                   | DIV. 15 | -        | VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS. BASIN HEATER, LOW SQUARED FAN. PROVIDE ALL INTERIOR WIRING AND CONTROLS BY DIV. 15 CONTRACTOR SINGLE ELECTRICAL FEED TO THE ENTIRE UNIT. | 1. REFER TO SECTION 15059 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.<br>3. FOLDING FACTOR FOR COILS AND CONDENSERS: (0.98/1.0) (0.98/0.98).<br>4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.<br>6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT. |

## BOILER SCHEDULE

| REFERENCE | DESCRIPTION             | LOCATION | SERVING        | OWNERSHIP | INPUT (KW) | OUTPUT (KW) | GAS TRIN INLET PRESSURE (KPA) | OPERATING PRESSURE MAX. (KPA) | OPERATING TEMP. MAX. (°C) | MANUFACTURER | MODEL    | AMPERE | POWER SUPPLY |       |          |     |       | STARTER      |               | CONTROLS |        |       |                       | OTHER REQUIREMENTS |                     |                | OTHERS | REMARKS: | NOTES:                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------|-------------------------|----------|----------------|-----------|------------|-------------|-------------------------------|-------------------------------|---------------------------|--------------|----------|--------|--------------|-------|----------|-----|-------|--------------|---------------|----------|--------|-------|-----------------------|--------------------|---------------------|----------------|--------|----------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                         |          |                |           |            |             |                               |                               |                           |              |          |        | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: | INSTALLED BY: | TYPE     | MANUAL | AUTO. | INTERLOCK BY: DIV. 15 | DISC. AT MOTOR     | W.P. DISC. AT MOTOR | F.A. SHUT DOWN |        |          |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           |                         |          |                |           |            |             |                               |                               |                           |              |          |        |              |       |          |     |       |              |               |          |        |       |                       |                    |                     |                |        |          |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HBA-01    | HIGH-LOW HEATING BOILER | MROOM PH | HEATING SYSTEM | ARTSCAPE  | 570        | 524         | MIN. 1 / MAX. 3.2             | 1137                          | 93.3                      | LOCHNVAR     | FBN 2050 | 13     | 120          | 1     | 2PH4M    | -   | YES   | DIV. 15      | DIV. 15       | PKG.     | -      | YES   | YES                   | -                  | DIV. 16             | -              | -      | -        | PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DIV. 16) | 1. REFER TO SECTION 15059 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.<br>3. FOLDING FACTOR FOR COOLERS AND CONDENSERS: (0.98/1.0) (0.98/0.98).<br>4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.<br>6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT. |
| HBA-02    | HIGH-LOW HEATING BOILER | MROOM PH | HEATING SYSTEM | ARTSCAPE  | 570        | 524         | MIN. 1 / MAX. 3.2             | 1137                          | 93.3                      | LOCHNVAR     | FBN 2050 | 13     | 120          | 1     | 2PH4M    | -   | YES   | DIV. 15      | DIV. 15       | PKG.     | -      | YES   | YES                   | -                  | DIV. 16             | -              | -      | -        | PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DIV. 16) | 1. REFER TO SECTION 15059 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.<br>3. FOLDING FACTOR FOR COOLERS AND CONDENSERS: (0.98/1.0) (0.98/0.98).<br>4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.<br>6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT. |
| HBA-03    | DHW HEATING             | MROOM PH | DHW SYSTEM     | ARTSCAPE  | 220        | 212         | MIN. 1 / MAX. 3.2             | 1137                          | 93.3                      | LOCHNVAR     | FBN 0751 | 5      | 120          | 1     | 2PH4M    | -   | YES   | DIV. 15      | DIV. 15       | PKG.     | -      | YES   | YES                   | -                  | DIV. 16             | -              | -      | -        | PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DIV. 16) | 1. REFER TO SECTION 15059 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.<br>3. FOLDING FACTOR FOR COOLERS AND CONDENSERS: (0.98/1.0) (0.98/0.98).<br>4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.<br>6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT. |
| HBA-04    | DHW HEATING             | MROOM PH | DHW SYSTEM     | ARTSCAPE  | 220        | 212         | MIN. 1 / MAX. 3.2             | 1137                          | 93.3                      | LOCHNVAR     | FBN 0751 | 5      | 120          | 1     | 2PH4M    | -   | YES   | DIV. 15      | DIV. 15       | PKG.     | -      | YES   | YES                   | -                  | DIV. 16             | -              | -      | -        | PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DIV. 16) | 1. REFER TO SECTION 15059 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.<br>3. FOLDING FACTOR FOR COOLERS AND CONDENSERS: (0.98/1.0) (0.98/0.98).<br>4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.<br>6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT. |

## MAKE UP AIR UNIT SCHEDULE

| REFERENCE | DESCRIPTION | LOCATION | SERVING  | OWNERSHIP | SUPPLY AIR (L/S) | EXHAUST AIR (L/S) | COOLING    |           |                  | HEATING    |           |                  | P.W.L. db re 10'12 WATTS OCTAVE BAND |   |   |   |   |   |   |   | E.S.P. (KPA) | MANUFACTURER | MODEL     | EXHAUST FAN MOTOR (KW) | SUPPLY FAN MOTOR (KW) | F. LOAD AMPS | MAX. FUSE AMPS | POWER SUPPLY |       |          |     | STARTER |              | TYPE | CONTROLS      |        | OTHER REQUIREMENTS |               |          | OTHERS | REMARKS: | NOTES: |                     |                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|           |             |          |          |           |                  |                   | TOTAL (KW) | SENS (KW) | WATER FLOW (L/S) | TOTAL (KW) | SENS (KW) | WATER FLOW (L/S) | 1                                    | 2 | 3 | 4 | 5 | 6 | 7 | 8 |              |              |           |                        |                       |              |                | VOLTS        | PHASE | FED FROM | EM. | NORM.   | SUPPLIED BY: |      | INSTALLED BY: | MANUAL | AUTO.              | INTERLOCK BY: |          |        |          |        | W.P. DISC. AT MOTOR | DISC. AT MOTOR | F.A. SHUT |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|           |             |          |          |           |                  |                   |            |           |                  |            |           |                  |                                      |   |   |   |   |   |   |   |              |              |           |                        |                       |              |                |              |       |          |     |         |              |      |               |        |                    | DISV. 15      | DISV. 16 |        |          |        |                     |                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAUA-01   | CONDG MAU   | LEVEL PH | CORRIDOR | ARTSCAPE  | 3070             | -                 | 66.1       | 37.1      | 2.6              | 175.3      | -         | 4.1              |                                      |   |   |   |   |   |   |   | 0.30         | MCQUAY DAKIN | CAH440CAC | -                      | 11.2                  | 14.1         |                |              |       |          |     |         |              |      |               |        |                    |               |          |        |          |        |                     |                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## COOLING / HEATING COIL SCHEDULE

| REFERENCE | DESCRIPTION  | SERVICE         | OWNERSHIP | TOTAL AIR FLOW (L/S) | COIL AIR FLOW (L/S) | COOLING CAPACITY (KW) |          | HEATING CAPACITY (KW) | COOLING   |           |            |          |          |                |          |          | HEATING    |          |          |                |    |              |              |   | FLUID | MANUFACTURER | REMARKS: | NOTES: |
|-----------|--------------|-----------------|-----------|----------------------|---------------------|-----------------------|----------|-----------------------|-----------|-----------|------------|----------|----------|----------------|----------|----------|------------|----------|----------|----------------|----|--------------|--------------|---|-------|--------------|----------|--------|
|           |              |                 |           |                      |                     | TOTAL                 | SENSIBLE |                       | EAT (°C)  | LAT (°C)  | FLOW (L/S) | EWT (°C) | LWT (°C) | PRE. DP. (KPA) | EAT (°C) | LAT (°C) | FLOW (L/S) | EWT (°C) | LWT (°C) | PRE. DP. (KPA) |    |              |              |   |       |              |          |        |
| CC-01     | COOLING COIL | MAUA-01 COOLING | ARTSCAPE  | 3070                 | 1695                | 66.1                  | 37.1     | -                     | 31.1/23.3 | 12.0/11.9 | 2.6        | 5.6      | 11.1     | 20             | -        | -        | -          | -        | -        | -              | -  | -            | -            | - | WATER | MCQUAY DAKIN |          |        |
| HC-01     | HEATING COIL | MAUA-01 HEATING | ARTSCAPE  | 3070                 | 3070                | -                     | -        | 175.3                 | -         | -         | -          | -        | -        | -              | -        | 20.0     | 26.1       | 4.1      | 71.1     | 60.0           | 16 | 40% P.G.L.Y. | MCQUAY DAKIN |   |       |              |          |        |

## ENERGY RECOVERY VENTILATOR SCHEDULE

| REFERENCE | DESCRIPTION          | LOCATION       | SERVING        | OWNERSHIP | NORMAL SPEED OPERATION |                      | HIGH SPEED OPERATION |                      | E.S.P.<br>(KPA) | ENT. AIR TEMP. (°C) |        | MANUFACTURER | MODEL      | ENERGY<br>RECOVERED<br>(AMPS) | MOTOR<br>SIZE<br>(KW) | POWER SUPPLY |       |             |     |       | STARTER      |               | TYPE | CONTROLS |       |               | OTHER REQUIREMENTS: |                   |                        | OTHERS | REMARKS: | NOTES:                                                            |           |
|-----------|----------------------|----------------|----------------|-----------|------------------------|----------------------|----------------------|----------------------|-----------------|---------------------|--------|--------------|------------|-------------------------------|-----------------------|--------------|-------|-------------|-----|-------|--------------|---------------|------|----------|-------|---------------|---------------------|-------------------|------------------------|--------|----------|-------------------------------------------------------------------|-----------|
|           |                      |                |                |           | SUPPLY<br>AIR (L/S)    | EXHAUST<br>AIR (L/S) | SUPPLY<br>AIR (L/S)  | EXHAUST<br>AIR (L/S) |                 | WINTER              | SUMMER |              |            |                               |                       | VOLTS        | PHASE | FED FROM    | EM. | NORM. | SUPPLIED BY: | INSTALLED BY: |      | MANUAL   | AUTO. | INTERLOCK BY: |                     | DISC. AT<br>MOTOR | W.P. DISC.<br>AT MOTOR |        |          |                                                                   | F.A. SHUT |
|           |                      |                |                |           |                        |                      |                      |                      |                 |                     |        |              |            |                               |                       |              |       |             |     |       |              |               |      |          |       | DIV. 15       | DIV. 16             |                   |                        |        |          |                                                                   |           |
| ERVIA-A   | ENERGY RECOVERY UNIT | TYPICAL SUITES | TYPICAL SUITES | ARTSCAPE  | 35                     | 22.5                 | 50                   | 45                   | 0.10            | -20                 | 32.2   | REVERSONATIC | REERV-0100 | -                             | 0.15                  | 120          | 1     | SUITE PANEL | -   | YES   | DIV. 15      | DIV. 15       | PKG  | -        | YES   | YES           | -                   | PLUG              | -                      | -      | -        | C/W CAMFL ACTIVATED CARBON MERV 8 FILTERS, ECM MOTOR AND CONTROLS |           |
| ERVIA-B   | ENERGY RECOVERY UNIT | TYPICAL SUITES | TYPICAL SUITES | ARTSCAPE  | 30                     | 27                   | 50                   | 45                   | 0.10            | -20                 | 32.2   | REVERSONATIC | REERV-0100 | -                             | 0.15                  | 120          | 1     | SUITE PANEL | -   | YES   | DIV. 15      | DIV. 15       | PKG  | -        | YES   | YES           | -                   | PLUG              | -                      | -      | -        | C/W CAMFL ACTIVATED CARBON MERV 8 FILTERS, ECM MOTOR AND CONTROLS |           |
| ERVIA-C   | ENERGY RECOVERY UNIT | TYPICAL SUITES | TYPICAL SUITES | ARTSCAPE  | 35                     | 31.5                 | 60                   | 54                   | 0.10            | -20                 | 32.2   | REVERSONATIC | REERV-0100 | -                             | 0.15                  | 120          | 1     | SUITE PANEL | -   | YES   | DIV. 15      | DIV. 15       | PKG  | -        | YES   | YES           | -                   | PLUG              | -                      | -      | -        | C/W CAMFL ACTIVATED CARBON MERV 8 FILTERS, ECM MOTOR AND CONTROLS |           |
| ERVIA-D   | ENERGY RECOVERY UNIT | TYPICAL SUITES | TYPICAL SUITES | ARTSCAPE  | 40                     | 36                   | 60                   | 54                   | 0.10            | -20                 | 32.2   | REVERSONATIC | REERV-0100 | -                             | 0.15                  | 120          | 1     | SUITE PANEL | -   | YES   | DIV. 15      | DIV. 15       | PKG  | -        | YES   | YES           | -                   | PLUG              | -                      | -      | -        | C/W CAMFL ACTIVATED CARBON MERV 8 FILTERS, ECM MOTOR AND CONTROLS |           |
| ERVIA-E   | ENERGY RECOVERY UNIT | AMENITY PH     | AMENITY PH     | ARTSCAPE  | 470                    | 420                  | 470                  | 420                  | 0.10            | -20                 | 32.2   | ALDES        | E1100-FI   | 16.5                          | 1.28                  | 120          | 1     | 2SRAM       | -   | YES   | DIV. 15      | DIV. 15       | PKG  | -        | YES   | YES           | -                   | PLUG              | -                      | -      | -        | C/W CAMFL ACTIVATED CARBON MERV 8 FILTERS AND CONTROLS            |           |
| ERVIA-F   | NOT USED             |                |                |           |                        |                      |                      |                      |                 |                     |        |              |            |                               |                       |              |       |             |     |       |              |               |      |          |       |               |                     |                   |                        |        |          |                                                                   |           |
|           |                      |                |                |           |                        |                      |                      |                      |                 |                     |        |              |            |                               |                       |              |       |             |     |       |              |               |      |          |       |               |                     |                   |                        |        |          |                                                                   |           |
|           |                      |                |                |           |                        |                      |                      |                      |                 |                     |        |              |            |                               |                       |              |       |             |     |       |              |               |      |          |       |               |                     |                   |                        |        |          |                                                                   |           |
|           |                      |                |                |           |                        |                      |                      |                      |                 |                     |        |              |            |                               |                       |              |       |             |     |       |              |               |      |          |       |               |                     |                   |                        |        |          |                                                                   |           |

## HEAT EXCHANGER SCHEDULE

| REFERENCE | LOCATION    | SERVICE        | OWNERSHIP  | PRIMARY |               |            |          |          |                   | SECONDARY    |               |            |          |          |                   | FUNCTION | MANUFACTURER   | TYPE            | MODEL NUMBER | REMARKS: | NOTES: |
|-----------|-------------|----------------|------------|---------|---------------|------------|----------|----------|-------------------|--------------|---------------|------------|----------|----------|-------------------|----------|----------------|-----------------|--------------|----------|--------|
|           |             |                |            | FLUID   | FLOW US (L/S) | P.D. (KPA) | EWT (°C) | LWT (°C) | PRE. RATING (KPA) | FLUID        | FLOW US (L/S) | P.D. (KPA) | EWT (°C) | LWT (°C) | PRE. RATING (KPA) |          |                |                 |              |          |        |
| HEA-01    | MAU ROOM PH | MAA-04 HEATING | AFFORDABLE | WATER   | 3.9           | 21         | 82.2     | 71.1     | 1034              | 40% P.G.L.Y. | 4.1           | 28         | 60.0     | 71.1     | 1034              | HEATING  | BELL & GOSSETT | PLATE AND FRAME | PH4          |          |        |
|           |             |                |            |         |               |            |          |          |                   |              |               |            |          |          |                   |          |                |                 |              |          |        |

## VERTICAL FAN COIL SCHEDULE - 2 PIPE (SUITES)

| REFERENCE | DESCRIPTION                      | OWNERSHIP | SUPPLY AIR (L/S) | E.S.P. (PA) | COOLING    |           |             |      |                  |          | HEATING    |           |                  |          | HEATING ELEMENT (KW) | MANUFACTURER | MODEL   | MOTOR SIZE (KW) | POWER SUPPLY |       |                    |    |      | STARTER      |               | TYPE | CONTROLS |       |               |        | OTHER REQUIREMENTS: |                |           | OTHERS                                                                                                                                                  | REMARKS: | NOTES: |
|-----------|----------------------------------|-----------|------------------|-------------|------------|-----------|-------------|------|------------------|----------|------------|-----------|------------------|----------|----------------------|--------------|---------|-----------------|--------------|-------|--------------------|----|------|--------------|---------------|------|----------|-------|---------------|--------|---------------------|----------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
|           |                                  |           |                  |             | TOTAL (KW) | SENS (KW) | E.A.T. (°C) |      | WATER FLOW (L/S) | EWT (°C) | TOTAL (KW) | SENS (KW) | WATER FLOW (L/S) | EWT (°C) |                      |              |         |                 | VOLTS        | PHASE | FED FROM           | EM | NORM | SUPPLIED BY: | INSTALLED BY: |      | MANUAL   | AUTO. | INTERLOCK BY: |        | W.P. DISC. AT MOTOR | DISC. AT MOTOR | F.A. SHUT |                                                                                                                                                         |          |        |
|           |                                  |           |                  |             |            |           | DB          | WB   |                  |          |            |           |                  |          |                      |              |         |                 |              |       |                    |    |      |              |               |      |          |       | DV. 15        | DV. 16 |                     |                |           |                                                                                                                                                         |          |        |
| FCA-01    | SUITE 2 PIPES FANCOIL - VERTICAL | ARTSCAPE  | 142              | 50          | 2.5        | 1.8       | 24.1        | 18.4 | 0.10             | 5.6      | 4.6        | -         | 0.10             | 60.0     | 1                    | UNILUX       | DLE350  | 0.10            | 120          | 1     | SUITE PANEL 20A-1P | -  | YES  | DV. 15       | DV. 15        | PKG. | -        | YES   | YES           | -      | -                   | YES            | -         | ALL CONTROLS TO BE PREWIRED REMOTE 1 STAT PROGRAMMABLE, MERV 11 FILTER, THERMAL METER, FINAL BREAKER SIZE TO BE COORDINATED WITH ELECTRICAL CONTRACTOR. |          |        |
| FCA-02    | SUITE 2 PIPES FANCOIL - VERTICAL | ARTSCAPE  | 190              | 50          | 4.1        | 2.7       | 24.1        | 18.4 | 0.17             | 5.6      | 7.1        | -         | 0.17             | 60.0     | 1                    | UNILUX       | DLE450  | 0.16            | 120          | 1     | SUITE PANEL 20A-1P | -  | YES  | DV. 15       | DV. 15        | PKG. | -        | YES   | YES           | -      | -                   | YES            | -         | ALL CONTROLS TO BE PREWIRED REMOTE 1 STAT PROGRAMMABLE, MERV 11 FILTER, THERMAL METER, FINAL BREAKER SIZE TO BE COORDINATED WITH ELECTRICAL CONTRACTOR. |          |        |
| FCA-03    | SUITE 3 PIPES FANCOIL - VERTICAL | ARTSCAPE  | 283              | 50          | 6.0        | 3.9       | 24.1        | 18.4 | 0.25             | 5.6      | 10.3       | -         | 0.25             | 60.0     | 1                    | UNILUX       | DLE800  | 0.16            | 120          | 1     | SUITE PANEL 20A-1P | -  | YES  | DV. 15       | DV. 15        | PKG. | -        | YES   | YES           | -      | -                   | YES            | -         | ALL CONTROLS TO BE PREWIRED REMOTE 1 STAT PROGRAMMABLE, MERV 11 FILTER, THERMAL METER, FINAL BREAKER SIZE TO BE COORDINATED WITH ELECTRICAL CONTRACTOR. |          |        |
| FCA-04    | SUITE 2 PIPES FANCOIL - VERTICAL | ARTSCAPE  | 378              | 50          | 7.9        | 5.2       | 24.1        | 18.4 | 0.31             | 5.6      | 13.6       | -         | 0.31             | 60.0     | 1.5                  | UNILUX       | DLE800  | 0.16            | 120          | 1     | SUITE PANEL 20A-1P | -  | YES  | DV. 15       | DV. 15        | PKG. | -        | YES   | YES           | -      | -                   | YES            | -         | ALL CONTROLS TO BE PREWIRED REMOTE 1 STAT PROGRAMMABLE, MERV 11 FILTER, THERMAL METER, FINAL BREAKER SIZE TO BE COORDINATED WITH ELECTRICAL CONTRACTOR. |          |        |
| FCA-05    | SUITE 1 PIPES FANCOIL - VERTICAL | ARTSCAPE  | 472              | 50          | 10.5       | 6.8       | 24.1        | 18.4 | 0.37             | 5.6      | 17.4       | -         | 0.37             | 60.0     | 1.5                  | UNILUX       | DLE1000 | 0.33            | 120          | 1     | SUITE PANEL 30A-1P | -  | YES  | DV. 15       | DV. 15        | PKG. | -        | YES   | YES           | -      | -                   | YES            | -         | ALL CONTROLS TO BE PREWIRED REMOTE 1 STAT PROGRAMMABLE, MERV 11 FILTER, THERMAL METER, FINAL BREAKER SIZE TO BE COORDINATED WITH ELECTRICAL CONTRACTOR. |          |        |



## PUMP SCHEDULE

| REFERENCE | DESCRIPTION                | LOCATION | OWNERSHIP | WATER FLOW (L/S) | HEAD (KPA) | RPM  | MANUFACTURER  | TYPE / SIZE        | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |       |              |        |       | STARTER      |         |               |         | CONTROLS |        |       |               | OTHER REQUIREMENTS |                     |                | REMARKS:                                                  | NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                          |
|-----------|----------------------------|----------|-----------|------------------|------------|------|---------------|--------------------|----------------------|-----------------|--------------|-------|--------------|--------|-------|--------------|---------|---------------|---------|----------|--------|-------|---------------|--------------------|---------------------|----------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                            |          |           |                  |            |      |               |                    |                      |                 | VOLTS        | PHASE | FED FROM     | EM     | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE     | MANUAL | AUTO. | INTERLOCK BY: |                    | W.P. DISC. AT MOTOR | DISC. AT MOTOR |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F.A. SHUT.                                                                                                                                                                                               |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 |          |        |       | DIV. 15       | DIV. 16            |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
| PA-01     | CONDENSER WATER PUMP       | MROOM P4 | ARTISCAPE | 20.7             | 214        | 1800 | S.A ARMSTRONG | 4300 0306-015      | -                    | 11.2            | 575          | 3     | 6PWRAM       | -      | YES   | YES          | -       | PKG           | -       | YES      | YES    | -     | -             | -                  | -                   | -              | CW ISOLATION DISCONNECT - ONE DUTY / ONE STANDBY PACKAGE. | 1. REFER TO SECTION 15500 FOR WIRING AND ELECTRIC MOTOR DETAILS.<br>2. REFER TO SECTION 15400 AND 15700 FOR FURTHER DETAILS.<br>3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.<br>4. ALL PUMPS WITH 1500 STANDBY UNIT TO BE WITH AUTOMATIC SWITCH OVER ON PUMP FAILURE.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATION AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.<br>6. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION. |                                                                                                                                                                                                          |
| PA-02     | CONDENSER WATER PUMP       | MROOM P4 | ARTISCAPE | 20.7             | 214        | 1800 | S.A ARMSTRONG | 4300 0306-015      | -                    | 11.2            | 575          | 3     | 6PWRAM       | -      | YES   | -            | -       | VFD           | -       | YES      | -      | -     | -             | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISOLATION DISCONNECT - INTEGRATED VFD WITH SENSORLESS CONTROL. SOFTWARE - ONE DUTY / ONE STANDBY PACKAGE LINT - VFD MUST BE COMPATIBLE WITH SIEMENS RUN BAS.                                          |
| PA-03     | COOLING/HEATING WATER PUMP | MROOM P4 | ARTISCAPE | 16.5             | 242        | 1800 | S.A ARMSTRONG | 4300 0310-010      | -                    | 7.5             | 575          | 3     |              | 6PWRAM | -     | YES          | -       | YES           | -       | VFD      | -      | YES   | -             | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-04     | COOLING/HEATING WATER PUMP | MROOM P4 | ARTISCAPE | 16.5             | 242        | 1800 | S.A ARMSTRONG | 4300 0310-010      | -                    | 7.5             | 575          | 3     | 6PWRAM       |        | -     | YES          | -       | YES           | -       | VFD      | -      | YES   | -             | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-05     | BOILER #01 PUMP            | MROOM P4 | ARTISCAPE | 8.8              | 74         | 1800 | S.A ARMSTRONG | 4300 0306-002      | -                    | 1.5             | 575          | 3     |              | 6PWRAM | -     | YES          | YES     | -             | YES     | -        | CM FWR | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-06     | BOILER # 02 PUMP           | MROOM P4 | ARTISCAPE | 8.8              | 74         | 1800 | S.A ARMSTRONG | 4300 0306-002      | -                    | 1.5             | 575          | 3     | 6PWRAM       | -      | YES   | YES          | -       | YES           | -       | CM FWR   | -      | YES   | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISOLATION DISCONNECT                                                                                                                                                                                  |
| PA-07     | HIGH TEMP. SEC. PUMP       | MROOM P4 | ARTISCAPE | 9.5              | 190        | 1800 | S.A ARMSTRONG | 4300 0306-005      | -                    | 3.7             | 575          | 3     | 6PWRAM       | -      | YES   | YES          | -       | YES           | -       | VFD      | -      | YES   | -             | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISOLATION DISCONNECT - INTEGRATED VFD WITH SENSORLESS CONTROL. SOFTWARE - ONE DUTY / ONE STANDBY PACKAGE. VFD MUST BE COMPATIBLE WITH SIEMENS RUN BAS.                                                |
| PA-08     | HIGH TEMP. SEC. PUMP       | MROOM P4 | ARTISCAPE | 9.5              | 190        | 1800 | S.A ARMSTRONG | 4300 0306-005      | -                    | 3.7             | 575          | 3     |              | 6PWRAM | -     | YES          | YES     | -             | YES     | -        | VFD    | -     | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-09     | MAGA-01 HEATING PUMP       | MROOM P4 | ARTISCAPE | 4.1              | 105        | 1800 | S.A ARMSTRONG | 4300 0306-001.5    | -                    | 1.1             | 575          | 3     | 6PWRAM       |        | -     | YES          | YES     | -             | YES     | -        | PKG    | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-10     | MAGA-01 HEATING PUMP       | MROOM P4 | ARTISCAPE | 4.1              | 105        | 1800 | S.A ARMSTRONG | 4300 0306-001.5    | -                    | 1.1             | 575          | 3     |              | 6PWRAM | -     | YES          | YES     | -             | YES     | -        | CM FWR | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-11     | BOILER # 03 PUMP           | MROOM P4 | ARTISCAPE | 3.4              | 80         | 1800 | S.A ARMSTRONG | 4300 0306-001      | -                    | 0.75            | 575          | 3     | 6PWRAM       |        | -     | YES          | YES     | -             | YES     | -        | CM FWR | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-12     | BOILER # 04 PUMP           | MROOM P4 | ARTISCAPE | 3.4              | 80         | 1800 | S.A ARMSTRONG | 4300 0306-001      | -                    | 0.75            | 575          | 3     | 6PWRAM       | -      | YES   | YES          | -       | YES           | -       | CM FWR   | -      | YES   | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISOLATION DISCONNECT                                                                                                                                                                                  |
| PA-13     | DHW HEATING SEC. PUMP      | MROOM P4 | ARTISCAPE | 6.6              | 170        | 1800 | S.A ARMSTRONG | 4300 0306-003      | -                    | 2.2             | 575          | 3     | 6PWRAM       | -      | YES   | YES          | -       | YES           | -       | PKG      | -      | YES   | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISOLATION DISCONNECT - ONE DUTY / ONE STANDBY PACKAGE LINT                                                                                                                                            |
| PA-14     | DHW HEATING SEC. PUMP      | MROOM P4 | ARTISCAPE | 6.6              | 170        | 1800 | S.A ARMSTRONG | 4300 0306-003      | -                    | 2.2             | 575          | 3     |              | 6PWRAM | -     | YES          | YES     | -             | YES     | -        | PKG    | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-15     | DOMESTIC BOOSTER PUMP      | MROOM P1 | ARTISCAPE | 6.4              | 580        | 3505 | GRUNDFOS      | MPC 610UE J2015-65 | -                    | 7.5             | 575          | 3     | SWB-4RA      |        | -     | YES          | YES     | -             | YES     | -        | VFD    | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-16     | DOMESTIC BOOSTER PUMP      | MROOM P1 | ARTISCAPE | 6.4              | 580        | 3505 | GRUNDFOS      | MPC 610UE J2015-65 | -                    | 7.5             | 575          | 3     | DP-6EP1MR8A  | YES    | YES   | YES          | -       | YES           | -       | VFD      | -      | YES   | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISOLATION DISCONNECT                                                                                                                                                                                  |
| PA-17     | ELEVATOR SLUMP PUMP        | FD LEVEL | ARTISCAPE | 6.3              | 240        | 1800 | BARNES        | 45E-7554L          | -                    | 5.6             | 575          | 3     | DP-6EP1MR8A1 | YES    | -     | YES          | -       | YES           | -       | PKG      | -      | YES   | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW ISLE AWAY COUPLING, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES. |
| PA-18     | ELEVATOR SLUMP PUMP        | FD LEVEL | ARTISCAPE | 6.3              | 240        | 1800 | BARNES        | 45E-7554L          | -                    | 5.6             | 575          | 3     | 6PWRAM       | -      | YES   | YES          | -       | YES           | -       | CM FWR   | -      | YES   | YES           | -                  | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW BRONZE & ISOLATION DISCONNECT                                                                                                                                                                         |
| PA-19     | DHW REGR. PUMP             | MROOM P4 | ARTISCAPE | 1.0              | 105        | 1800 | S.A ARMSTRONG | 4300 1.5D-0.75     | -                    | 0.56            | 575          | 3     |              | 6PWRAM | -     | YES          | YES     | -             | YES     | -        | CM FWR | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
| PA-20     | DHW REGR. PUMP             | MROOM P4 | ARTISCAPE | 1.0              | 105        | 1800 | S.A ARMSTRONG | 4300 1.5D-0.75     | -                    | 0.56            | 575          | 3     | 6PWRAM       |        | -     | YES          | YES     | -             | YES     | -        | CM FWR | -     | YES           | YES                | -                   | -              | -                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                        |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       |              |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
|           |                            |          |           |                  |            |      |               |                    |                      |                 |              |       | </           |        |       |              |         |               |         |          |        |       |               |                    |                     |                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |

## CHIMNEY EXHAUST FANS SCHEDULE

| REFERENCE | DESCRIPTION | LOCATION | SERVING       | OWNERSHIP | AIR FLOW (L/S) | INLET PRESSURE (PA) | OPERATING WEIGHT (KG) | MANUFACTURER | MODEL  | MOTOR SIZE (KW) | POWER SUPPLY |       |          |     |       | STARTER      |               |      | CONTROLS |       |                                     |               | OTHER REQUIREMENTS |                |   |   | OTHERS                                                                                                                                | REMARKS: |
|-----------|-------------|----------|---------------|-----------|----------------|---------------------|-----------------------|--------------|--------|-----------------|--------------|-------|----------|-----|-------|--------------|---------------|------|----------|-------|-------------------------------------|---------------|--------------------|----------------|---|---|---------------------------------------------------------------------------------------------------------------------------------------|----------|
|           |             |          |               |           |                |                     |                       |              |        |                 | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: | INSTALLED BY: | TYPE | MANUAL   | AUTO. | INTERLOCK BY:<br>DIV. 15    DIV. 16 | DISC AT MOTOR | W.P. DISC AT MOTOR | F.A. SHUT DOWN |   |   |                                                                                                                                       |          |
| VENTA-01  | BOLER VENT  | ROOF     | BOLER # 1 & 2 | ARTSCAPE  | 450            | 180                 | -                     | EXHAUSTO     | R8V915 | 0.35            | 120          | 1     | 2RRAAM   | -   | YES   | DIV. 15      | DIV. 15       | -    | -        | YES   | YES                                 | -             | -                  | YES            | - | - | C/W YD0. MODULATING DRAFT CONTROL WITH XTP SENSOR, PROBE, MODULATING DAMPER, ACTUATOR, BALANCING BAFFLES & DURAVENT® FAIRNEAL VENTING |          |
| VENTA-02  | BOLER VENT  | ROOF     | BOLER # 3 & 4 | ARTSCAPE  | 165            | 205                 | -                     | EXHAUSTO     | R5V250 | 0.16            | 120          | 1     | 2RRAAM   | -   | YES   | DIV. 15      | DIV. 15       | -    | -        | YES   | YES                                 | -             | -                  | YES            | - | - | C/W YD0. MODULATING DRAFT CONTROL WITH XTP SENSOR, PROBE, MODULATING DAMPER, ACTUATOR, BALANCING BAFFLES & DURAVENT® FAIRNEAL VENTING |          |

NOTES:

FAN COIL UNIT SCHEDULE - 2 PIPE (HORIZONTAL)

| REFERENCE | DESCRIPTION     | LOCATION        | OWNERSHIP | SUPPLY AIR (L/S) | E.S.P. (PA) | COOLING    |           |             |      |      | HEATING          |         |            |                  |         | DX COIL    |           | MOTOR TYPE | MANUFACTURER | MODEL | UNIT (AMP) | POWER SUPPLY |         |      |              |               | STARTER |       | TYPE | CONTROLS      |         |                     |                | OTHER REQUIREMENTS: |   |   | OTHERS                                                                                                       | REMARKS: | NOTES: |
|-----------|-----------------|-----------------|-----------|------------------|-------------|------------|-----------|-------------|------|------|------------------|---------|------------|------------------|---------|------------|-----------|------------|--------------|-------|------------|--------------|---------|------|--------------|---------------|---------|-------|------|---------------|---------|---------------------|----------------|---------------------|---|---|--------------------------------------------------------------------------------------------------------------|----------|--------|
|           |                 |                 |           |                  |             | TOTAL (kW) | SENS (kW) | E.A.T. (°C) | DB   | WB   | WATER FLOW (L/S) | ΔT (°C) | TOTAL (kW) | WATER FLOW (L/S) | ΔT (°C) | TOTAL (kW) | SENS (kW) |            |              |       |            | FED FROM     | EM      | NOVM | SUPPLIED BY: | INSTALLED BY: | MANUAL  | AUTO. |      | INTERLOCK BY: |         | W.P. DISC. AT MOTOR | DISC. AT MOTOR | F.A. SHUT           |   |   |                                                                                                              |          |        |
|           |                 |                 |           |                  |             |            |           |             |      |      |                  |         |            |                  |         |            |           |            |              |       |            |              |         |      |              |               |         |       |      | DIV. 15       | DIK. 16 |                     |                |                     |   |   |                                                                                                              |          |        |
| HCQA-01   | MOI MAIN LOBBY  | MOI MAIN LOBBY  | ARTISCAPE | 360              | 125         | 7.1        | 5.5       | 25.5        | 16.3 | 0.20 | 5.6              | 16.5    | 0.30       | 60.0             | -       | -          | ECM       | DANFON     | HRHS09       | 1.5   | 575        | 3            | 6PHIRAM | -    | YES          | DIV. 15       | DIK. 15 | PKG.  | -    | YES           | YES     | -                   | -              | YES                 | - | - | ALL CONTROLS TO BE PREWIRED REMOTE T-STAT PROGRAMMABLE. MERV 11 FILTER. COOLING COIL. DRAIN PAN.             |          |        |
| HCQA-02   | 1316 PH AMENITY | 1316 PH AMENITY | ARTISCAPE | 640              | 75          | 17.3       | 11.5      | 25.8        | 19.8 | 0.64 | 5.6              | 25.5    | 0.64       | 60.0             | 11.3    | -          | ECM       | IEC        | HPF-00       | 2.2   | 575        | 3            | 6PHIRAM | -    | YES          | DIV. 15       | DIK. 15 | PKG.  | -    | YES           | YES     | -                   | -              | YES                 | - | - | ON DX COIL, ALL CONTROLS TO BE PREWIRED REMOTE T-STAT PROGRAMMABLE. MERV 11 FILTER. COOLING COIL. DRAIN PAN. |          |        |
| HCQA-03   | 1316 PH AMENITY | 1316 PH AMENITY | ARTISCAPE | 640              | 75          | 17.3       | 11.5      | 25.8        | 19.8 | 0.64 | 5.6              | 25.5    | 0.64       | 60.0             | 11.3    | -          | ECM       | IEC        | HPF-00       | 2.2   | 575        | 3            | 6PHIRAM | -    | YES          | DIV. 15       | DIK. 15 | PKG.  | -    | YES           | YES     | -                   | -              | YES                 | - | - | ON DX COIL, ALL CONTROLS TO BE PREWIRED REMOTE T-STAT PROGRAMMABLE. MERV 11 FILTER. COOLING COIL. DRAIN PAN. |          |        |

## FAN SCHEDULE

| REFERENCE | DESCRIPTION         | LOCATION             | SERVING              | OWNERSHIP | EXHAUST AIR (L/S) | E.S.P (KPA) | FAN (RPM) | WEIGHT (KG.) | P.W.L. & RE 10*12 WATTS OCTAVE BAND |   |   |   |   |   |              |          | MANUFACTURER | MODEL | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |       |          |        |        | STARTER       |               | TYPE | CONTROLS |      |               | OTHER REQUIREMENTS: |                    |         | OTHERS | REMARKS:                                                                                         |  | NOTES: |
|-----------|---------------------|----------------------|----------------------|-----------|-------------------|-------------|-----------|--------------|-------------------------------------|---|---|---|---|---|--------------|----------|--------------|-------|----------------------|-----------------|--------------|-------|----------|--------|--------|---------------|---------------|------|----------|------|---------------|---------------------|--------------------|---------|--------|--------------------------------------------------------------------------------------------------|--|--------|
|           |                     |                      |                      |           |                   |             |           |              | 1                                   | 2 | 3 | 4 | 5 | 6 | 7            | 8        |              |       |                      |                 | VOLTS        | PHASE | FED FROM | EM     | NORMA  | SUPPLIED BY:  | INSTALLED BY: |      | MANUAL   | AUTO | INTERLOCK BY: | DISC AT MOTOR       | W.P. DISC AT MOTOR | FA SHUT |        |                                                                                                  |  |        |
|           |                     |                      |                      |           |                   |             |           |              |                                     |   |   |   |   |   |              |          |              |       |                      |                 |              |       |          |        |        |               |               |      |          |      | DIV. 15       |                     |                    |         |        |                                                                                                  |  |        |
| EFA-01    | MECH ROOM EXHAUST   | 402 CHILLER ROOM F4  | 402 CHILLER ROOM F4  | ARTISCAPE | 580               | 0.07        | 695       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-90-4 | -            | 0.20  | 115                  | 1               | 2P4RAM       | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 1. REFER TO SECTION 15555 REGARDING WIRING AND E.ELECTRIC MOTORS.                                |  |        |
| EFA-02    | MECH ROOM EXHAUST   | 402 CHILLER REFER F4 | 402 CHILLER REFER F4 | ARTISCAPE | 670               | 0.07        | 700       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-90-5 | -            | 0.30  | 115                  | 1               | 2P4RAM4P1    | YES   | -        | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 2. REFER TO SECTIONS 15100 FOR FURTHER DETAIL                                                    |  |        |
| EFA-03    | MECH ROOM EXHAUST   | 311 MECH ROOM F3     | 311 MECH ROOM F3     | ARTISCAPE | 280               | 0.07        | 180       | -            | -                                   | - | - | - | - | - | GREENECK     | CSP-470  | -            | 0.40  | 115                  | 1               | 2P4RAM       | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 3. REFER TO SECTION 15150 FOR VIBRATION ISOLATION                                                |  |        |
| EFA-04    | LOCKER ROOM EXHAUST | P022 LOCKER ROOM F2  | P022 LOCKER ROOM F2  | ARTISCAPE | 690               | 0.05        | 705       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-90-5 | -            | 0.3   | 115                  | 1               | 2P4P4RAM     | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 4. REFER TO DIV. 17 FOR CONTROL                                                                  |  |        |
| EFA-05    | LOCKER ROOM EXHAUST | P025 LOCKER ROOM F2  | P025 LOCKER ROOM F2  | ARTISCAPE | 70                | 0.05        | 1800      | -            | -                                   | - | - | - | - | - | GREENECK     | SD-70-5  | -            | 0.12  | 115                  | 1               | 2P4P4RAM     | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 5. ALL FLOOR MOUNTED FANS C/W EXTEND ROOF CURBS OF GARAGE RM 1.1 M                               |  |        |
| EFA-06    | MECH ROOM EXHAUST   | 207 MECH ROOM F2     | 207 MECH ROOM F2     | ARTISCAPE | 265               | 0.06        | 1070      | -            | -                                   | - | - | - | - | - | GREENECK     | CSP-4510 | -            | 0.3   | 115                  | 1               | 2P4P4RAM     | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 6. ALL RAIL LINE CEILING FANS C/W INTRINSICALLY SAFETY OVERHEAT PROTECTED SWITCH AND EPS SUPPLY  |  |        |
| EFA-07    | LOCKER ROOM EXHAUST | P028 LOCKER ROOM F2  | P028 LOCKER ROOM F2  | ARTISCAPE | 400               | 0.05        | 983       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-40-4 | -            | 0.3   | 115                  | 1               | 2P4P4RAM     | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 7. ALL RAIL LINE CEILING FANS C/W INTRINSICALLY SAFETY OVERHEAT PROTECTED SWITCH AND EPS SUPPLY  |  |        |
| EFA-08    | GARAGE ROOM EXHAUST | 1M10 GARAGE RM 1.1 M | 1M10 GARAGE RM 1.1 M | ARTISCAPE | 310               | 0.07        | 1100      | -            | -                                   | - | - | - | - | - | GREENECK     | CSP-4700 | -            | 0.3   | 115                  | 1               | 2P4P4RAM     | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 8. ALL RAIL LINE CEILING FANS C/W INTRINSICALLY SAFETY OVERHEAT PROTECTED SWITCH AND EPS SUPPLY  |  |        |
| EFA-09    | MECH ROOM EXHAUST   | 1309 MECH ROOM L13   | 1309 MECH ROOM L13   | ARTISCAPE | 400               | 0.05        | 983       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-40-4 | -            | 0.3   | 115                  | 1               | 2P4RAM       | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 9. ALL RAIL LINE CEILING FANS C/W INTRINSICALLY SAFETY OVERHEAT PROTECTED SWITCH AND EPS SUPPLY  |  |        |
| EFA-10    | ELEC. ROOM EXHAUST  | 1303 ELEC. ROOM L13  | 1303 ELEC. ROOM L13  | ARTISCAPE | 510               | 0.05        | 877       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-40-4 | -            | 0.20  | 115                  | 1               | 2ERRAP       | -     | YES      | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 10. ALL RAIL LINE CEILING FANS C/W INTRINSICALLY SAFETY OVERHEAT PROTECTED SWITCH AND EPS SUPPLY |  |        |
| EFA-11    | GEN. ROOM EXHAUST   | 1304 GEN. ROOM L13   | 1304 GEN. ROOM L13   | ARTISCAPE | 370               | 0.05        | 980       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-40-4 | -            | 0.3   | 115                  | 1               | 2ERRAP       | YES   | -        | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | 11. PROVIDE 6 WIRE LEADS FROM STARTER TO MOTOR                                                   |  |        |
|           |                     |                      |                      |           |                   |             |           |              |                                     |   |   |   |   |   |              |          |              |       |                      |                 |              |       |          |        |        |               |               |      |          |      |               |                     |                    |         |        |                                                                                                  |  |        |
|           |                     |                      |                      |           |                   |             |           |              |                                     |   |   |   |   |   |              |          |              |       |                      |                 |              |       |          |        |        |               |               |      |          |      |               |                     |                    |         |        |                                                                                                  |  |        |
| SFA-01    | ISOLER ROOM SUPPLY  | P401 PARKING F4      | P401 PARKING F4      | ARTISCAPE | 590               | 0.07        | 695       | -            | -                                   | - | - | - | - | - | GREENECK     | EDF-90-4 | -            | 0.20  | 115                  | 1               | 2P4RAM       | -     | -        | DIV 15 | DIV 15 | MAN C/W RELAY | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      |                                                                                                  |  |        |
|           |                     |                      |                      |           |                   |             |           |              |                                     |   |   |   |   |   |              |          |              |       |                      |                 |              |       |          |        |        |               |               |      |          |      |               |                     |                    |         |        |                                                                                                  |  |        |
| EFA       | KITCHEN BOOSTER     | TYPICAL              | KITCHEN              | ARTISCAPE | 70                | 0.10        | 2500      | -            | -                                   | - | - | - | - | - | REVERSOMATIC | PI 200   | -            | 0.08  | 115                  | 1               | SUITE PANEL  | -     | -        | DIV 15 | DIV 15 | P4NR          | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | BOOSTER RELAY - SEE SCHEMATIC IN ELECTRICAL SINGLE LINE DIAGRAM DRAWING                          |  |        |
| EFA-B     | LAUNDRY EXHAUST     | TYPICAL              | LAUNDRY              | ARTISCAPE | 74                | 0.05        | 1200      | -            | -                                   | - | - | - | - | - | REVERSOMATIC | TLD 200  | -            | 0.07  | 115                  | 1               | SUITE PANEL  | -     | -        | DIV 15 | DIV 15 | P4NR          | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | BOOSTER RELAY - SEE SCHEMATIC IN ELECTRICAL SINGLE LINE DIAGRAM DRAWING                          |  |        |
| EFA-C     | WASHROOM EXHAUST    | TYPICAL              | WASHROOM             | ARTISCAPE | 56                | 0.06        | 1050      | -            | -                                   | - | - | - | - | - | REVERSOMATIC | CP 170   | -            | 0.07  | 115                  | 1               | SUITE PANEL  | -     | -        | DIV 15 | DIV 15 | P4NR          | -             | YES  | YES      | YES  | YES           | -                   | -                  | -       | -      | MANUAL SWITCH                                                                                    |  |        |

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Date: 04/08/15



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Dagupan Kelowna Trail Saint John

| No.: | Revision  | Date       |
|------|-----------|------------|
| 1    | ADD M-001 | 2015/10/30 |

|   |                            |            |
|---|----------------------------|------------|
| 3 | ISSUED FOR TENDER          | 2015-10-15 |
| 2 | BUILDING PERMIT SUBMISSION | 2015-06-12 |
| 1 | WT REVIEW                  | 2015-05-01 |

| No | Issued For | Date |
|----|------------|------|
|----|------------|------|

AOL IAVISTA

AQUAVISTA

AT BAYSIDE TORONTO

\_\_\_\_\_ Drawing Title

ARTSCAPE EQUIPMENT

ARTSCAPE - EQUIPMENT  
SCHEDULES #2

COPIEDDOLLS #2

\_\_\_\_\_

TRIDEL®

Hines TRIDEL

AQUAVISTA

Block 3 - R3 &amp; R4

Queen's Quay East  
Toronto, ON

Scale

Drawn by


 S.J. \_\_\_\_\_  
 Checked by \_\_\_\_\_

Checker \_\_\_\_\_  
Project No. \_\_\_\_\_



8489D \_\_\_\_\_  
Date \_\_\_\_\_

04/08/15

M45 00

ME-22

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## ENTRANCE AND UNIT HEATER SCHEDULE

[illegible]

NOTES:

1. REFER TO SECTION 15060 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. ENT WATER TEMPERATURE 82.2°C WATER TEMPERATURE DROP 11°C, ENTERING AIR TEMPERATURE 18.3°C.
5. ALL UNITS C/W INTEGRAL DISCONNECT SWITCH, THERMOSTAT AND 1" THROWAWAY FILTER.
6. WIRING OF THERMOSTATS BY DIVISION 15. REFER TO SECTION 15700 FOR FURTHER DETAILS.

## UNITARY DX UNITS SCHEDULE

[illegible]

NOTES:  
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS  
2. REFER TO 15700 FOR FURTHER DETAILS.  
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION

#### AIR COOLED CONDENSER SCHEDULE

| REFERENCE | DESCRIPTION                        | LOCATION         | OWNERSHIP | COOLING CAPACITY (KW) | REFRIGERANT | AMBIENT TEMP. (°C) | MANUFACTURER | MODEL        | MIN. CAPACITY AMPS | MAX. FUSE SIZE | POWER SUPPLY |       |          |     |       | STARTER      |         |               |         |         | CONTROLS |        |       |               | OTHER REQUIREMENTS |                     |                |            |   |
|-----------|------------------------------------|------------------|-----------|-----------------------|-------------|--------------------|--------------|--------------|--------------------|----------------|--------------|-------|----------|-----|-------|--------------|---------|---------------|---------|---------|----------|--------|-------|---------------|--------------------|---------------------|----------------|------------|---|
|           |                                    |                  |           |                       |             |                    |              |              |                    |                | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         |         | TYPE     | MANUAL | AUTO. | INTERLOCK BY: |                    | W.P. DISC. AT MOTOR | DISC. AT MOTOR | F.A. SHUT. |   |
|           |                                    |                  |           |                       |             |                    |              |              |                    |                |              |       |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 | DIV. 15 |          |        |       | DIV. 16       |                    |                     |                |            |   |
| ACUA-01   | ACA-01 SPLIT AIR-COOLED CONDENSER  | P1 PARKING LEVEL | ARTISCAPE | 22                    | R-410A      | 35                 | REFPLUS      | OCZ-060-H1-8 | 13                 | 20             | 575          | 3     | 6P1M1RAM | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |
| ACUA-02   | ACA-02 SPLIT AIR-COOLED CONDENSER  | P1 PARKING LEVEL | ARTISCAPE | 22                    | R-410A      | 35                 | REFPLUS      | OCZ-060-H1-8 | 13                 | 20             | 575          | 3     | 6P1M1RAM | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |
| ACUA-03   | ACA-03 SPLIT AIR-COOLED CONDENSER  | PH LEVEL         | ARTISCAPE | 18.7                  | R-410A      | 35                 | REFPLUS      | OCZ-050-H1-5 | 13                 | 20             | 575          | 3     | 6P1M1RAM | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |
|           |                                    |                  | ARTISCAPE | 18.7                  | R-410A      | 35                 | REFPLUS      | OCZ-050-H1-5 | 13                 | 20             | 575          | 3     | 6P1M1RAM | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |
| ACUA-04   | ACA-04 SPLIT AIR-COOLED CONDENSER  | PARKING LEVEL    | ARTISCAPE | 11.5                  | R-410A      | 35                 | DMON         | R20SPV9-9    | 27                 | 30             | 208          | 1     | -        | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |
| ACUA-05   | HFCA-05 SPLIT AIR-COOLED CONDENSER | PH/AMENITY       | ARTISCAPE | 11.3                  | R-410A      | 35                 | AMON         | CB-9-048-4   | 8                  | 15             | 575          | 3     | -        | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |
| ACUA-06   | HFCA-06 SPLIT AIR-COOLED CONDENSER | PH/AMENITY       | ARTISCAPE | 11.3                  | R-410A      | 35                 | AMON         | CB-9-048-4   | 8                  | 15             | 575          | 3     | -        | -   | YES   | YES          | -       | YES           | -       | YES     | -        | PKG.   | -     | YES           | YES                | -                   | -              | DW 15      | - |

NOTES:  
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS  
2. REFER TO SECTION 15700 FOR FURTHER DETAILS.  
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION  
4. DIV 16 TO RUN 20MM C BETWEEN ACC AND RELATED AC UNIT

## DOMESTIC HOT WATER TANK SCHEDULE

| DOMESTIC HOT WATER HEATERS                | DHWTA # 1   |  |  |  | REMARKS                                                                                                                                                    |
|-------------------------------------------|-------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANUFACTURER                              | CLEMMER     |  |  |  | CEMENT LINED TANK / INSULATED<br>DOUBLE WALL COIL RATED TO 175-200 PSI / TANK FLANGE SIZE TO MATCH TUBE BUNDLE SIZE                                        |
| STORAGE CAPACITY (GRT)                    | 4057        |  |  |  |                                                                                                                                                            |
| OPERATING PRESSURE MAX. (PSI) TANK SHELL  | 1004        |  |  |  |                                                                                                                                                            |
| COIL MODEL (KPA) COPPER TUBE              | DW1-48      |  |  |  |                                                                                                                                                            |
| CAPACITY (LPH) / TEMP. RISE               | 4070 / 56 C |  |  |  | **DOUBLE WALL COIL TUBES RATED AT 175-200 PSI WORKING PRESSURE<br>HEATING WATER X DOMESTIC WATER, SUPPLY TO CONFIN COIL MODELS WITH LPH PRIOR TO ORDERING. |
| COIL INPUT (KW) BOILER SIDE (82-20-71-1C) | 262         |  |  |  |                                                                                                                                                            |
| COIL L/G BOILER SIDE                      | 5.7         |  |  |  |                                                                                                                                                            |
| SIZE (DIA X LENGTH)                       | 1270 x 2050 |  |  |  |                                                                                                                                                            |
| OWNERSHIP                                 | ARTISCAPE   |  |  |  |                                                                                                                                                            |
|                                           |             |  |  |  |                                                                                                                                                            |

## EXPANSION TANK SCHEDULE

| REF.  | SYSTEM                   | OWNERSHIP | TANK CAPACITY (LIT) | MAX ACCEPT (LIT) | MODEL   | MANUFACTURER | REMARKS |
|-------|--------------------------|-----------|---------------------|------------------|---------|--------------|---------|
| ETA-1 | HEATING / COOLING SYSTEM | ARTISCAPE | 2495                | -                | 2500-L  | AMTROL       |         |
| ETA-2 | MAUA-1 HEATING SYSTEM    | ARTISCAPE | 82                  | 42               | AX-40   | AMTROL       |         |
| ETA-3 | CHW BOILER SYSTEM        | ARTISCAPE | 168                 | 85               | AX-80   | AMTROL       |         |
| ETA-4 | CHANTA-01 SYSTEM         | ARTISCAPE | 250                 | -                | ST-120V | AMTROL       |         |
|       |                          |           |                     |                  |         |              |         |
|       |                          |           |                     |                  |         |              |         |



## WATER CHILLER SCHEDULE

[illegible]

### COOLING TOWER SCHEDULE

| REFERENCE | DISCIPLINE    | LOCATION | SERVING     | OWNERSHIP | CAPACITY<br>(KW) | SUMMER     |          |          | OUTDOOR<br>TEMP.<br>WB (°C) | WINTER     |          |          | TUBES<br>PRESS.<br>DROP<br>(KPA) | MODEL | OPERATING<br>WEIGHT<br>(KG) | MANUFACTURER | PAN<br>HEATER<br>(KW) | FAN MOTOR<br>(KW) | M/CU<br>DRIP<br>AMPS | MAX<br>FLUX<br>SIZE | POWER SUPPLY |       |          |     |         | STARTER      |               | CONTROLS |        |       |               | OTHER REQUIREMENTS                                                                                                                                      |                  |                       |                  | REMARKS: |   |        |                                                                                                                                   |         |  |  |  |  |  |
|-----------|---------------|----------|-------------|-----------|------------------|------------|----------|----------|-----------------------------|------------|----------|----------|----------------------------------|-------|-----------------------------|--------------|-----------------------|-------------------|----------------------|---------------------|--------------|-------|----------|-----|---------|--------------|---------------|----------|--------|-------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|------------------|----------|---|--------|-----------------------------------------------------------------------------------------------------------------------------------|---------|--|--|--|--|--|
|           |               |          |             |           |                  | FLOW (L/S) | EWT (°C) | LWT (°C) |                             | FLOW (L/S) | EWT (°C) | LWT (°C) |                                  |       |                             |              |                       |                   |                      |                     | VOLTS        | PHASE | FED FROM | EM. | NORM    | SUPPLIED BY: | INSTALLED BY: | TYPE     | MANUAL | AUTO. | INTERLOCK BY: |                                                                                                                                                         | DISC AT<br>MOTOR | W.P. DISC<br>AT MOTOR | F.A SHUT<br>DOWN |          |   | OTHERS |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       | DIV. 15       | DIV. 16                                                                                                                                                 |                  |                       |                  |          |   |        | DIV. 15                                                                                                                           | DIV. 16 |  |  |  |  |  |
| CTR-01    | INDUCED DRAFT | ROOF     | CHILLER #03 | RETAL     | 430              | 20.2       | 35.0     | 29.4     | 24.4                        | -          | -        | -        | PT3-04104-HH                     | -     | BALTHORE ARGOL              | 6            | 2 x 3.7               | -                 | -                    | 575                 | 3            | GRCM  | -        | YES | DIV. 15 | DIV. 15      | VFD           | -        | YES    | YES   | YES           | YES                                                                                                                                                     | -                | -                     | -                | -        | - | -      | YTD MUST BE COMPATIBLE WITH GENENS RUN BAS. BATH HEATER LOW SOUND PROVIDE ALL INTERIOR RIGIDITY AND CONSIDERING 0.0001 IN 0.0005. |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | NOTES:                                                                                                                                                  |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | 1. REFER TO SECTION 10000 FOR WIRING AND ELECTRIC MOTORS.                                                                                               |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | 2. REFER TO SECTION 2 AND SPECIFICATION 10701 FOR FURTHER DETAILS.                                                                                      |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | 3. PROVIDE FACTOR FOR DISCOLOR AND CONDENSERS 0.0001 IN 0.0005.                                                                                         |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | 4. PROVIDE FACTOR FOR DISCOLOR AND CONDENSERS 0.0001 IN 0.0005.                                                                                         |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | 5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTORS. PROVIDE SINGLE POWER POINT. |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |
|           |               |          |             |           |                  |            |          |          |                             |            |          |          |                                  |       |                             |              |                       |                   |                      |                     |              |       |          |     |         |              |               |          |        |       |               | 6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT.                                                                                                             |                  |                       |                  |          |   |        |                                                                                                                                   |         |  |  |  |  |  |

## BOILER SCHEDULE

| REFERENCE | DESCRIPTION             | LOCATION    | SERVING       | OWNERSHIP | INPUT (KW) | OUTPUT (KW) | GAS TRAIN INLET PRESSURE (KPA) | OPERATING PRESSURE (KPA) | OPERATING TEMP. MAX. (°C) | MANUFACTURER | MODEL    | AMPERE | POWER SUPPLY |       |          |     |       | STARTER      |               | CONTROLS |        |      |               | OTHER REQUIREMENTS |                   |                |   | REMARKS | NOTES:                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------|-------------------------|-------------|---------------|-----------|------------|-------------|--------------------------------|--------------------------|---------------------------|--------------|----------|--------|--------------|-------|----------|-----|-------|--------------|---------------|----------|--------|------|---------------|--------------------|-------------------|----------------|---|---------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                         |             |               |           |            |             |                                |                          |                           |              |          |        | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: | INSTALLED BY: | TYPE     | MANUAL | AUTO | INTERLOCK BY: | DISC AT MOTOR      | W/P DISC AT MOTOR | F.A. SHUT DOWN |   |         |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HRB-01    | HIGH-LOW HEATING BOILER | M ROOM L1 M | 4 PIPE RETAIL | RETAIL    | 732        | 674         | MIN. 1 / MAX. 3.2              | 1137                     | 93.3                      | LOCHINVAR    | FBN 2500 | 11     | 120          | 1     | 2P1MCRIM | -   | YES   | DV-15        | DV-15         | PKG.     | -      | YES  | YES           | -                  | DV-16             | -              | - | -       | PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DV-16) | 1. REFER TO SECTION 10500 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION 10500 AND SPECIFICATION 10500 FOR FURTHER DETAILS.<br>3. FILLING FRACTION FOR COOLERS AND CONDENSERS (0.0001) (0.00002).<br>4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERING OR ELECTRICAL WIRING.<br>6. PROVIDE INSULATING CENTRALISED CONTROLLER WITH ROOFTOP OUTDOOR RESET FOR BOILERS.<br>7. PROVIDE FLOW SWITCH, LOW WATER CUT OFF, PRESSURE REDUCING VALVES, AUX. CONTACTS FOR BAS. |
| HRB-02    | HIGH-LOW HEATING BOILER | M ROOM L1 M | 4 PIPE RETAIL | RETAIL    | 732        | 674         | MIN. 1 / MAX. 3.2              | 1137                     | 93.3                      | LOCHINVAR    | FBN 2500 | 11     | 120          | 1     | 2P1MCRIM | -   | YES   | DV-15        | DV-15         | PKG.     | -      | YES  | YES           | -                  | DV-16             | -              | - | -       | PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DV-16) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|           |                         |             |               |           |            |             |                                |                          |                           |              |          |        |              |       |          |     |       |              |               |          |        |      |               |                    |                   |                |   |         |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## MAKE UP AIR UNIT SCHEDULE

[illegible]

### COOLING / HEATING COIL SCHEDULE

| REFERENCE | DESCRIPTION  | SERVICE         | OWNERSHIP | TOTAL AIR FLOW (L/S) | COIL AIR FLOW (L/S) | COOLING CAPACITY (KW) |          | HEATING CAPACITY (KW) | COOLING  |          |            |          |          |                | HEATING  |          |            |          |          |                | FLUID      | MANUFACTURER | REMARKS: | NOTES: |
|-----------|--------------|-----------------|-----------|----------------------|---------------------|-----------------------|----------|-----------------------|----------|----------|------------|----------|----------|----------------|----------|----------|------------|----------|----------|----------------|------------|--------------|----------|--------|
|           |              |                 |           |                      |                     | TOTAL                 | SENSIBLE |                       | EAT (°C) | LAT (°C) | FLOW (L/S) | EWT (°C) | LWT (°C) | PRE. DP. (KPA) | EAT (°C) | LAT (°C) | FLOW (L/S) | EWT (°C) | LWT (°C) | PRE. DP. (KPA) |            |              |          |        |
| CO-01     | COOLING COIL | MAUR-01 COOLING | RETAL     | 4248                 | 2360                | 59.8                  | 39.6     | -                     | 26.719.4 | 12.511.3 | 2.6        | 5.6      | 11.2     | 56             | -        | -        | -          | -        | -        | -              | WATER      | MOQUAY DAKIN |          |        |
| HO-01     | HEATING COIL | MAUR-01 HEATING | RETAL     | 4248                 | 4248                | -                     | -        | 262                   | -        | -        | -          | -        | -        | -              | 20.9     | 27.2     | 6.2        | 71.1     | 69.0     | 40             | 40% P.GLY. | MOQUAY DAKIN |          |        |

## HEAT EXCHANGER SCHEDULE

[illegible]

## PUMP SCHEDULE

[illegible]

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Dauphin Kelowna Trail Saint John

| No.: | Revision  | Date       |
|------|-----------|------------|
| 1    | ADD M-001 | 2015/10/03 |

|   |                            |           |
|---|----------------------------|-----------|
| 3 |                            |           |
| 2 | BUILDING PERMIT SUBMISSION | 2015-06-1 |
| 1 | NOT RECEIVED               | 2015-05-1 |

| No | Issued For | Date |
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## ACQUA VISTA

AQUAVISTA

AT BAYSIDE TORONTO

Drawing Title: \_\_\_\_\_

RETAIL - EQUIPMENT

SCHEDULES #1

\_\_\_\_\_ Project \_\_\_\_\_

Hines TRIDEL®

AQUAVISTA

Block 3 - R3 &amp; R

Queen's Quay East

Toronto, Ontario  
Sca

1 : 1  
Drawn 1

N S.J.

Checker \_\_\_\_\_


8489D

04/08/15

Drawing No. **141-00**

MF-31

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## FAN SCHEDULE

| REFERENCE | DESCRIPTION           | LOCATION               | SERVING                | OWNERSHIP | EXHAUST AIR (L/S) | E.S.P (KPA) | FAN (RPM) | WEIGHT (KG.) | P.W.L db RE 10'12 WATTS OCTAVE BAND |   |   |   |   |   |           |           | MANUFACTURER | MODEL | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |       |          |       |       | STARTER      |               | TYPE | CONTROLS |        |               | OTHER REQUIREMENTS: |           |   | OTHERS | REMARKS: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NOTES: |
|-----------|-----------------------|------------------------|------------------------|-----------|-------------------|-------------|-----------|--------------|-------------------------------------|---|---|---|---|---|-----------|-----------|--------------|-------|----------------------|-----------------|--------------|-------|----------|-------|-------|--------------|---------------|------|----------|--------|---------------|---------------------|-----------|---|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|           |                       |                        |                        |           |                   |             |           |              |                                     |   |   |   |   |   |           |           |              |       |                      |                 |              |       |          |       |       |              |               |      |          |        |               |                     |           |   |        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
|           |                       |                        |                        |           |                   |             |           |              | 1                                   | 2 | 3 | 4 | 5 | 6 | 7         | 8         |              |       |                      |                 | VOLTS        | PHASE | FED FROM | EM    | NORM. | SUPPLIED BY: | INSTALLED BY: |      | DIV-15   | DIV-16 | DISC AT MOTOR | W.P. DISC AT MOTOR  | F.A. SHUT |   |        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| EPR-01    | RETAL BIC STG EXHAUST | P128 BIC STG P1        | P128 BIC STG P1        | RETAL     | 85                | 0.05        | 1050      | -            | -                                   | - | - | - | - | - | GREENHECK | SQ-T9-D   | -            | 0.12  | 115                  | 1               | 21MCRM       | -     | YES      | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | -             | -                   | -         | - | -      | -        | 1. REFER TO SECTION 1550 REGARDING WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION 1530 FOR FURTHER DETAIL.<br>3. REFER TO SECTION 1510 FOR VIBRATION ISOLATION.<br>4. REFER TO DIV. 17 FOR CONTROL.<br>5. ALL ROOF MOUNTED FANS C/W EXTEND HOOD CURBS OF SUITABLE DESIGN NOTIFIED DAMPER IN LINE DOWN.<br>6. ALL INLINE CEILING FANS C/W INTAKE GRILLE SHALL BE OPENED. SPECTRAL NOISEMAP DAMPER & UNMOUNTED SPEED CONTROLLER<br>7. PROVIDE 6 WIRE LEADS FROM STARTER TO MOTOR |        |
| EFR-02    | CHILLER ROOM EXHAUST  | P1M3 CHILLER ROOM P1   | P1M3 CHILLER ROOM P1   | RETAL     | 260               | 0.07        | 1100      | -            | -                                   | - | - | - | - | - | GREENHECK | CSP-A700  | -            | 0.3   | 115                  | 1               | 21MCRM       | -     | YES      | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | -             | -                   | -         | - | -      | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| EFR-03    | CHILLER PREFF EXHAUST | P1M3 CHILLER ROOM P1   | P1M3 CHILLER ROOM P1   | RETAL     | 670               | 0.07        | 700       | -            | -                                   | - | - | - | - | - | GREENHECK | BDF-90-S  | -            | 0.30  | 115                  | 1               | 2B1MCRP2     | YES   | -        | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | YES           | -                   | -         | - | -      | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| EFR-04    | GARBAGE EXHAUST       | I26 GARBAGE ROOM L1    | I26 GARBAGE ROOM L1    | RETAL     | 240               | 0.07        | 1050      | -            | -                                   | - | - | - | - | - | GREENHECK | CSP-A700  | -            | 0.3   | 115                  | 1               | 21MCRM       | -     | YES      | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | YES           | -                   | -         | - | -      | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| EFR-05    | LOADING BAY EXHAUST   | I33 LOADING BAY L1     | I33 LOADING BAY L1     | RETAL     | 2120              | 0.07        | 393       | -            | -                                   | - | - | - | - | - | GREENHECK | BDF-180-L | -            | 0.75  | 575                  | 3               | 61MCRM       | -     | YES      | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | YES           | -                   | -         | - | -      | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| EFR-06    | MUA ROOM EXHAUST      | I1M19 MUA ROOM L1 M    | I1M19 MUA ROOM L1 M    | RETAL     | 605               | 0.06        | 695       | -            | -                                   | - | - | - | - | - | GREENHECK | BDF-90-4  | -            | 0.20  | 115                  | 1               | 21MCRM       | -     | YES      | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | YES           | -                   | -         | - | -      | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
|           |                       |                        |                        |           |                   |             |           |              |                                     |   |   |   |   |   |           |           |              |       |                      |                 |              |       |          |       |       |              |               |      |          |        |               |                     |           |   |        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
|           |                       |                        |                        |           |                   |             |           |              |                                     |   |   |   |   |   |           |           |              |       |                      |                 |              |       |          |       |       |              |               |      |          |        |               |                     |           |   |        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| SFR-01    | BOILER ROOM SUPPLY    | I1M21 BOILER ROOM L1 M | I1M21 BOILER ROOM L1 M | RETAL     | 330               | 0.07        | 1100      | -            | -                                   | - | - | - | - | - | GREENHECK | CSP-A700  | -            | 0.3   | 115                  | 1               | 21MCRM       | -     | YES      | DW 15 | DW 15 | -            | -             | YES  | YES      | YES    | YES           | -                   | -         | - | -      | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| SFR-02    | NOT USED              |                        |                        |           |                   |             |           |              |                                     |   |   |   |   |   |           |           |              |       |                      |                 |              |       |          |       |       |              |               |      |          |        |               |                     |           |   |        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |

## ENTRANCE AND UNIT HEATER SCHEDULE

[illegible]

## CHIMNEY EXHAUST FANS SCHEDULE

[illegible]

## UNITARY DX UNIT SCHEDULE

| REFERENCE | DESCRIPTION      | LOCATION      | OWNERSHIP | SUPPLY AIR (US) | COOLING CAP. (KW) |         | EVAP. ENT. COND. (°C) |         | HEATING CAP. (KW) | MANUFACTURER      | MODEL    | FLA AMPS | MAX FLUZE SIZE | POWER SUPPLY |         |          |         |         | STARTER      |         | CONTROLS      |         |      | OTHER REQUIREMENTS |       |               | REMARKS: | NOTES:<br>1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS<br>2. REFER TO 15100 FOR FURTHER DETAILS<br>3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION. |                    |                |            |  |
|-----------|------------------|---------------|-----------|-----------------|-------------------|---------|-----------------------|---------|-------------------|-------------------|----------|----------|----------------|--------------|---------|----------|---------|---------|--------------|---------|---------------|---------|------|--------------------|-------|---------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|------------|--|
|           |                  |               |           |                 | TOTAL             | SENS.   | DB                    | WB      |                   |                   |          |          |                | VOLTS        | PHASE   | FED FROM | EM      | NORM.   | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE | MANUAL             | AUTO. | INTERLOCK BY: |          |                                                                                                                                                                         | W/P DISC. AT MOTOR | DISC. AT MOTOR | F.A. SHUT. |  |
|           |                  |               |           |                 | DIV. 15           | DIV. 16 | DIV. 15               | DIV. 16 |                   |                   |          |          |                | DIV. 15      | DIV. 16 | DIV. 15  | DIV. 16 | DIV. 15 | DIV. 16      | DIV. 15 | DIV. 16       | DIV. 15 |      |                    |       | DIV. 16       |          |                                                                                                                                                                         |                    |                |            |  |
| ACR(1)    | DX/FAN COOL UNIT | 1M1 ELEC. RM  | RETAL     | 899             | 14.2              | -       | 26.6                  | 16.1    | -                 | IEC INTERNATIONAL | HSB20    | 5.6      | 2DR            | 3            | 21MCRM  | -        | YES     | YES     | -            | YES     | -             | PKG.    | -    | YES                | YES   | -             | -        | DIV 15                                                                                                                                                                  | -                  |                |            |  |
| ACR(2)    | DX/FAN COOL UNIT | 1M1 ELEC. RM  | RETAL     | 890             | 14.2              | -       | 26.6                  | 16.1    | -                 | IEC INTERNATIONAL | HSB20    | 5.6      | 2DR            | 3            | 21MCRM  | -        | YES     | YES     | -            | YES     | -             | PKG.    | -    | YES                | YES   | -             | -        | DIV 15                                                                                                                                                                  | -                  |                |            |  |
| ACR(3)    | DX/FAN COOL UNIT | DB GARBAGE RM | RETAL     | 370             | 6.6               | -       | 26.7                  | 19.4    | -                 | DAIKIN            | FHQ24PUJ | 1.3      | 15             | 2DR          | 1       | 21MCRM   | -       | YES     | YES          | -       | YES           | -       | PKG. | -                  | YES   | -             | -        | DIV 15                                                                                                                                                                  | -                  |                |            |  |

## AIR COOLED CONDENSER SCHEDULE

| REFERENCE | DESCRIPTION                       | LOCATION         | OWNERSHIP | COOLING CAPACITY (KW) | REFRIGERANT | AMBIENT TEMP. (°C) | MANUFACTURER | MODEL        | MIN. CIRC. AMPS | MAX. FUSE SIZE | VOLTS | POWER SUPPLY |        |       |      | STARTER |       | CONTROLS      |               |                     | OTHER REQUIREMENTS |            |     | REMARKS: | NOTES:<br>1. REFER TO SECTION 1509G REGARDING WIRING AND ELECTRIC MOTORS<br>2. REFER TO SECTION 1570G FOR FURTHER DETAILS.<br>3. REFER TO SECTION 1510G FOR VIBRATION ISOLATION<br>4. DIV 16 TO RUN 200M C BETWEEN AGC AND RELATED AC UNIT |       |                                          |                                          |
|-----------|-----------------------------------|------------------|-----------|-----------------------|-------------|--------------------|--------------|--------------|-----------------|----------------|-------|--------------|--------|-------|------|---------|-------|---------------|---------------|---------------------|--------------------|------------|-----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------|------------------------------------------|
|           |                                   |                  |           |                       |             |                    |              |              |                 |                |       | FED FROM     | EM.    | NORMA | TYPE | MANUAL  | AUTO. | INTERLOCK BY: |               | W.P. DISC. AT MOTOR | DISC. AT MOTOR     | F.A. SHUT. |     |          |                                                                                                                                                                                                                                            |       |                                          |                                          |
|           |                                   |                  |           |                       |             |                    |              |              |                 |                |       |              |        |       |      |         |       | SUPPLIED BY:  | INSTALLED BY: |                     |                    |            |     |          |                                                                                                                                                                                                                                            |       |                                          |                                          |
|           |                                   |                  |           |                       |             |                    |              |              |                 |                |       |              |        |       |      |         |       |               |               |                     |                    |            |     |          |                                                                                                                                                                                                                                            |       |                                          |                                          |
|           |                                   |                  |           |                       |             |                    |              |              |                 |                |       |              |        |       |      |         |       |               |               |                     |                    |            |     |          |                                                                                                                                                                                                                                            |       |                                          |                                          |
| ACUR-01   | ACR-01 SPLIT AIR-COOLED CONDENSER | PARKING P1       | RETAIL    | 14.2                  | R-410A      | 35                 | REFPLUS      | OC2-040-BH-S | 25              | 40             | 208   | 3            | 21MCRM | -     | YES  | YES     | -     | YES           | -             | PKG.                | -                  | YES        | YES | -        | -                                                                                                                                                                                                                                          | DV 15 | -                                        | AIR-COOLED CONDENSER CONNECTED TO ACR-01 |
| ACUR-02   | ACR-02 SPLIT AIR-COOLED CONDENSER | PARKING P1       | RETAIL    | 14.2                  | R-410A      | 35                 | REFPLUS      | OC2-040-BH-S | 25              | 40             | 208   | 3            | 21MCRM | -     | YES  | YES     | -     | YES           | -             | PKG.                | -                  | YES        | YES | -        | -                                                                                                                                                                                                                                          | DV 15 | -                                        | AIR-COOLED CONDENSER CONNECTED TO ACR-02 |
| ACUR-03   | ACR-03 SPLIT AIR-COOLED CONDENSER | P1 PARKING LEVEL | RETAIL    | 6.8                   | R-410A      | 35                 | DAIKIN       | R024HPUJ9    | 16.5            | 20             | 208   | 1            | 21MCRM | -     | YES  | -       | YES   | -             | PKG.          | -                   | YES                | YES        | -   | -        | DV 15                                                                                                                                                                                                                                      | -     | AIR-COOLED CONDENSER CONNECTED TO ACR-03 |                                          |

## EXPANSION TANK SCHEDULE

| REF.  | SYSTEM                | OWNERSHIP | TANK CAPACITY (LIT) | MAX ACCEPT (LIT) | MODEL  | MANUFACTURER | REMARKS |
|-------|-----------------------|-----------|---------------------|------------------|--------|--------------|---------|
| ETR-1 | COOLING SYSTEM        | RETAL     | 210                 | 85               | Ax-100 | AMTRICOL     |         |
| ETR-2 | HEATING SYSTEM        | RETAL     | 797                 | 317              | Ax-280 | AMTRICOL     |         |
| ETR-3 | MALR-I HEATING SYSTEM | RETAL     | 62                  | 42               | Ax-40  | AMTRICOL     |         |
|       |                       |           |                     |                  |        |              |         |

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Dauphin Kelowna Trail Saint John

| No.: | Revision  | Date       |
|------|-----------|------------|
| 1    | ADD M-001 | 2015/10/30 |

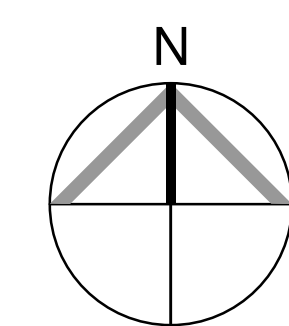
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| 1  | ISSUED FOR TENDER | 2015-10-15 |
| No | Issued For        | Date       |

**AQUAVISTA**  
AT BAYSIDE TORONTO

Drawing Title

RETAIL - EQUIPMENT  
SCHEDULES #2

Hines **TRIDEL®**  
AQUAVISTA  
Block 3 - R3 & R4



ME-32



ENTRANCE AND UNIT HEATER SCHEDULE - COMMERCIAL

| REFERENCE | DESCRIPTION              | LOCATION        | OWNERSHIP  | HEATING CAPACITY OUTPUT (KW) | WATER FLOW (L/S) | WATER TEMP. (C) | AIR FLOW (L/S) | AIR ENT. TEMP. (C) | MANUFACTURER | MODEL     | TYPE         | PRE HEATING (KPA) | MOTOR AMPS | POWER SUPPLY |       |          |     |       | STARTER      |         |               |         | CONTROLS |        |       | OTHER REQUIREMENTS |         |                     | REMARKS: | NOTES: |                                          |                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |
|-----------|--------------------------|-----------------|------------|------------------------------|------------------|-----------------|----------------|--------------------|--------------|-----------|--------------|-------------------|------------|--------------|-------|----------|-----|-------|--------------|---------|---------------|---------|----------|--------|-------|--------------------|---------|---------------------|----------|--------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
|           |                          |                 |            |                              |                  |                 |                |                    |              |           |              |                   |            | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE     | MANUAL | AUTO. | INTERLOCK BY:      |         | W.P. DISC. AT MOTOR |          |        | DISC. AT MOTOR                           | F.A. SHUT.                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |
|           |                          |                 |            |                              |                  |                 |                |                    |              |           |              |                   |            |              |       |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 |          |        |       | DIV. 15            | DIV. 16 |                     |          |        |                                          |                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |
|           |                          |                 |            |                              |                  |                 |                |                    |              |           |              |                   |            |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                          |                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |
| EHC001    | FORCE FLO CABINET HEATER | F123 ELEV LOBBY | COMMERCIAL | 4                            | 0.07             | 82.2            | 90             | 18.3               | TRANE        | FFEB020LJ | CEILING HUNG | -                 | 3          | 115          | 1     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | -        | -      | YES   | YES                | -       | -                   | -        | -      | CW INTEGRAL T-STAT AND DISCONNECT SWITCH | 1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION 15700 FOR FURTHER DETAILS.<br>3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.                                                                |  |  |  |  |  |  |  |  |
| EHC002    | FORCE FLO CABINET HEATER | F124 VESTIBULE  | COMMERCIAL | 4                            | 0.07             | 82.2            | 90             | 18.3               | TRANE        | FFEB020LJ | CEILING HUNG | -                 | 3          | 115          | 1     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | -        | -      | YES   | YES                | -       | -                   | -        | -      | CW INTEGRAL T-STAT AND DISCONNECT SWITCH | 4. ENT WATER TEMPERATURE 82.2°C WATER TEMPERATURE DROP 11°C ENTERING AIR TEMPERATURE 18.3°C.<br>5. ALL LINES CW MATERIAL DISCONNECT SWITCH.<br>6. WIRING OF THERMISTATE BY DIVISION 15.<br>REFER TO SECTION 15700 FOR FURTHER DETAILS. |  |  |  |  |  |  |  |  |
| EHC003    | FORCE FLO CABINET HEATER | F147 ELEV LOBBY | COMMERCIAL | 6                            | 0.11             | 82.2            | 110            | 18.3               | TRANE        | FFEB030LJ | CEILING HUNG | -                 | 3          | 115          | 1     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | -        | -      | YES   | YES                | -       | -                   | -        | -      | CW INTEGRAL T-STAT AND DISCONNECT SWITCH |                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |
|           |                          |                 |            |                              |                  |                 |                |                    |              |           |              |                   |            |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                          |                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |
|           |                          |                 |            |                              |                  |                 |                |                    |              |           |              |                   |            |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                          |                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |

UNITARY DX UNIT SCHEDULE - COMMERCIAL

| REFERENCE | DESCRIPTION      | LOCATION       | OWNERSHIP  | SUPPLY AIR (LS) | COOLING CAP. (KW) |       | EVAP. ENT. COND. (°C) |      | HEATING CAP. (KW) | MANUFACTURER      | MODEL    | FLA AMPS | MAX FUSE SIZE | POWER SUPPLY |       |          |     |       | STARTER      |         |               |         | CONTROLS |        |       | OTHER REQUIREMENTS |         |                     | REMARKS: | NOTES:<br>1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.<br>2. REFER TO 15700 FOR FURTHER DETAILS.<br>3. REFER TO SECTION 15160 FOR VIBRATION |                |            |
|-----------|------------------|----------------|------------|-----------------|-------------------|-------|-----------------------|------|-------------------|-------------------|----------|----------|---------------|--------------|-------|----------|-----|-------|--------------|---------|---------------|---------|----------|--------|-------|--------------------|---------|---------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
|           |                  |                |            |                 | TOTAL             | SENS. | DB                    | WB   |                   |                   |          |          |               | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE     | MANUAL | AUTO. | INTERLOCK BY:      |         | W.P. DISC. AT MOTOR |          |                                                                                                                                                                | DISC. AT MOTOR | F.A. SHUT. |
|           |                  |                |            |                 |                   |       |                       |      |                   |                   |          |          |               |              |       |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 |          |        |       | DIV. 15            | DIV. 16 |                     |          |                                                                                                                                                                |                |            |
|           |                  |                |            |                 |                   |       |                       |      |                   |                   |          |          |               |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |                                                                                                                                                                |                |            |
| ACCM-01   | DX FAN COOL UNIT | P101 ELEC. RM  | COMMERCIAL | 890             | 14.2              | -     | 26.6                  | 19.4 | -                 | IEC INTERNATIONAL | HEB00    | 3.6      |               | 208          | 3     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES   | YES                | -       | -                   | DIV. 15  | -                                                                                                                                                              |                |            |
| ACCM-02   | DX FAN COOL UNIT | P200 ELEV. MRM | COMMERCIAL | 372             | 7.0               | -     | 26.6                  | 19.4 | -                 | DAIKIN            | PH26RAUJ | 1.4      |               | 208          | 1     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES   | YES                | -       | -                   | DIV. 15  | -                                                                                                                                                              |                |            |

AIR COOLED CONDENSER SCHEDULE - COMMERCIAL

| REFERENCE | DESCRIPTION                       | LOCATION   | OWNERSHIP  | COOLING CAPACITY (KW) | REFRIGERANT | AMBIENT TEMP. (°C) | MANUFACTURER | MODEL        | MIN. CIRC. AMPS | MAX. FUSE SIZE | POWER SUPPLY |       |          |     |       | STARTER      |         |               |         | CONTROLS |        |       | OTHER REQUIREMENTS |         |                     | REMARKS: | NOTES: |                                          |                                                                                                                                                                                                                                     |  |
|-----------|-----------------------------------|------------|------------|-----------------------|-------------|--------------------|--------------|--------------|-----------------|----------------|--------------|-------|----------|-----|-------|--------------|---------|---------------|---------|----------|--------|-------|--------------------|---------|---------------------|----------|--------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|           |                                   |            |            |                       |             |                    |              |              |                 |                | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE     | MANUAL | AUTO. | INTERLOCK BY:      |         | W.P. DISC. AT MOTOR |          |        | DISC. AT MOTOR                           | F.A. SHUT.                                                                                                                                                                                                                          |  |
|           |                                   |            |            |                       |             |                    |              |              |                 |                |              |       |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 |          |        |       | DIV. 15            | DIV. 16 |                     |          |        |                                          |                                                                                                                                                                                                                                     |  |
|           |                                   |            |            |                       |             |                    |              |              |                 |                |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                          |                                                                                                                                                                                                                                     |  |
| ACUCM01   | ACCM01 SPLIT AIR-COOLED CONDENSER | PARKING P1 | COMMERCIAL | 14.2                  | R-410A      | 35                 | REFPLUS      | OC2-040-R1-5 | 25              | 40             | 206          | 3     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES   | YES                | -       | -                   | DIV 15   | -      | AIR-COOLED CONDENSER CONNECTED TO ACCM01 | 1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS<br>2. REFER TO SECTION 15700 FOR FURTHER DETAILS.<br>3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION<br>4. DIV. 16 TO RUN 200M V C BETWEEN ACC AND RELATED AC UNIT |  |
| ACUCM02   | ACCM02 SPLIT AIR-COOLED CONDENSER | PARKING P1 | COMMERCIAL | 7.0                   | R-410A      | 35                 | DAIKIN       | RZ20APVJU    | 16.5            | 20             | 206          | 1     | 2P1CPM   | -   | YES   | YES          | -       | YES           | -       | PKG.     | -      | YES   | YES                | -       | -                   | DIV 15   | -      | AIR-COOLED CONDENSER CONNECTED TO ACCM01 | FOR CONTROL WIRING.                                                                                                                                                                                                                 |  |
|           |                                   |            |            |                       |             |                    |              |              |                 |                |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                          |                                                                                                                                                                                                                                     |  |
|           |                                   |            |            |                       |             |                    |              |              |                 |                |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                          |                                                                                                                                                                                                                                     |  |

FAN SCHEDULE - COMMERCIAL

| REFERENCE | DESCRIPTION          | LOCATION               | SERVING                | OWNERSHIP  | EXHAUST AIR (L/S) | E.S.P. (KPA) | FAN (RPM) | WEIGHT (KG.) | P.W.L. db RE 10°12 WATTS OCTAVE BAND |   |   |   |   |   |   |           | MANUFACTURER | MODEL | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |         |          |     |        | STARTER      |               | TYPE | CONTROLS |       |               |        | OTHER REQUIREMENTS: |                     |           | OTHERS | REMARKS: | NOTES:                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------|----------------------|------------------------|------------------------|------------|-------------------|--------------|-----------|--------------|--------------------------------------|---|---|---|---|---|---|-----------|--------------|-------|----------------------|-----------------|--------------|---------|----------|-----|--------|--------------|---------------|------|----------|-------|---------------|--------|---------------------|---------------------|-----------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                      |                        |                        |            |                   |              |           |              | 1                                    | 2 | 3 | 4 | 5 | 6 | 7 | 8         |              |       |                      |                 | VOLTS        | PHASE   | FED FROM | EM. | NORM.  | SUPPLIED BY: | INSTALLED BY: |      | MANUAL   | AUTO. | INTERLOCK BY: |        | DISC. AT MOTOR      | W.P. DISC. AT MOTOR | F.A. SHUT |        |          |                                                                                                                                                                                                                                                                                                                                                                                                   |
|           |                      |                        |                        |            |                   |              |           |              |                                      |   |   |   |   |   |   |           |              |       |                      |                 |              |         |          |     |        |              |               |      |          |       | DIV 15        | DIV 16 |                     |                     |           |        |          |                                                                                                                                                                                                                                                                                                                                                                                                   |
|           |                      |                        |                        |            |                   |              |           |              |                                      |   |   |   |   |   |   |           |              |       |                      |                 |              |         |          |     |        |              |               |      |          |       |               |        |                     |                     |           |        |          |                                                                                                                                                                                                                                                                                                                                                                                                   |
| SFCM-01   | STAIR PRESSURIZATION | STAIR D PRESSURIZATION | STAIR D PRESSURIZATION | COMMERCIAL | 1415              | 0.15         | 1077      | -            | -                                    | - | - | - | - | - | - | GREENHECK | BCF100-15    | -     | 1.1                  | 575             | 3            | 6EP1CP1 | YES      | -   | DIV 15 | DIV 15       | -             | -    | YES      | YES   | YES           | YES    | -                   | -                   | -         | -      | -        | 1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION 15700 FOR FURTHER DETAILS.<br>3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.<br>4. REFER TO DIV. 17 FOR CONTROLS.<br>5. ALL ROOF MOUNTED FANS CW EXTEND ROOF EDGE BY 50 MM MIN.<br>6. ALL FANS CEILING FANS CW WIDE GRILLE UNLESS OTHERWISE SPECIFIED.<br>7. DAMPER & UNIT SHALL BE USED AS SPECIFIED. |
|           |                      |                        |                        |            |                   |              |           |              |                                      |   |   |   |   |   |   |           |              |       |                      |                 |              |         |          |     |        |              |               |      |          |       |               |        |                     |                     |           |        |          |                                                                                                                                                                                                                                                                                                                                                                                                   |
|           |                      |                        |                        |            |                   |              |           |              |                                      |   |   |   |   |   |   |           |              |       |                      |                 |              |         |          |     |        |              |               |      |          |       |               |        |                     |                     |           |        |          |                                                                                                                                                                                                                                                                                                                                                                                                   |

PUMP SCHEDULE - COMMERCIAL

| REFERENCE | DESCRIPTION            | LOCATION | OWNERSHIP  | WATER FLOW (L/S) | HEAD (KPA) | RPM  | MANUFACTURER | TYPE / SIZE | ENERGY REQUIRED (HP) | MOTOR SIZE (KW) | POWER SUPPLY |       |          |     |       | STARTER      |         |               |         | CONTROLS |        |       | OTHER REQUIREMENTS |         |                     | REMARKS: | NOTES: |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
|-----------|------------------------|----------|------------|------------------|------------|------|--------------|-------------|----------------------|-----------------|--------------|-------|----------|-----|-------|--------------|---------|---------------|---------|----------|--------|-------|--------------------|---------|---------------------|----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
|           |                        |          |            |                  |            |      |              |             |                      |                 | VOLTS        | PHASE | FED FROM | EM. | NORM. | SUPPLIED BY: |         | INSTALLED BY: |         | TYPE     | MANUAL | AUTO. | INTERLOCK BY:      |         | W.P. DISC. AT MOTOR |          |        | DISC. AT MOTOR                                                                                                                                                                                             | F.A. SHUT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |
|           |                        |          |            |                  |            |      |              |             |                      |                 |              |       |          |     |       | DIV. 15      | DIV. 16 | DIV. 15       | DIV. 16 |          |        |       | DIV. 15            | DIV. 16 |                     |          |        |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
|           |                        |          |            |                  |            |      |              |             |                      |                 |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
| PCM-01    | ELEVATOR 788 SUMP PUMP | FD LEVEL | COMMERCIAL | 6.3              | 240        | 1800 | BARNES       | 4SE-7554L   | -                    | 5.6             | 575          | 3     | 6EP1CP2  | YES | -     | YES          | -       | YES           | -       | PKG      | -      | YES   | YES                | -       | -                   | DIV. 15  | -      | CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CLOAK ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CLOAK ENCLOSURE, AND MECHANICAL FLIGHT SWITCHES. | 1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.<br>2. REFER TO SECTION 15400 AND 15700 FOR FURTHER DETAILS.<br>3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.<br>4. ALL PUMPS WITH 100% STANDBY UNIT TO BE WITH AUTOMATIC SWITCH OVER ON PUMP FAILURE.<br>5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATION AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERING OR ELECTRICAL WIRING INSTALLED.<br>6. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION. |  |  |  |  |  |  |
| PCM-02    | ELEVATOR 788 SUMP PUMP | FD LEVEL | COMMERCIAL | 6.3              | 240        | 1800 | BARNES       | 4SE-7554L   | -                    | 5.6             | 575          | 3     |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
|           |                        |          |            |                  |            |      |              |             |                      |                 |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
|           |                        |          |            |                  |            |      |              |             |                      |                 |              |       |          |     |       |              |         |               |         |          |        |       |                    |         |                     |          |        |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |

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| 1   | ADD M-001 | 2015/03/05 |

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