



**UNITED ENGINEERING INC**  
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## **SITE INSTRUCTION**

**PROJECT:** HAMPTON MANOR  
25 BAKER HILL BLVD  
STOUFFVILLE, ONTARIO

**PROJECT NO:** 14-016

**CONTRACT:** Mechanical

**DATE** December 07, 2017

**SITE INSTRUCTION:** M-11

THIS SITE INSTRUCTION IS NOT TO BE CONSTRUED AS A CHANGE IN THE CONTRACT PRICE, BUT IS ISSUED FOR CLARIFICATION ONLY. IF A CHANGE IN CONTRACT PRICE IS PERCEIVED, PROVIDE AN ITEMIZED BREAKDOWN OF ANY EXTRAS OR CREDITS WITHIN SEVEN (7) WORKING DAYS.

**Purpose:** To clarify storm system and storm sump pump.

**1.0 Reference Drawing M-3 (Underground Parking) Issued**

1.1 Revise: Location of 3 vertical storm pipes as indicated.

**2.0 Reference Drawing M-4 (Parking Garage) Issued**

2.1 Revise: Vertical storm pipes as indicated.

**3.0 Reference Drawing M-39 (Pump Schedule) Issued**

3.1 Revise: Storm sump pump P-9 GPM, HP & model number.

**Note:** The site instruction & drawings will be uploaded to FTP SITE

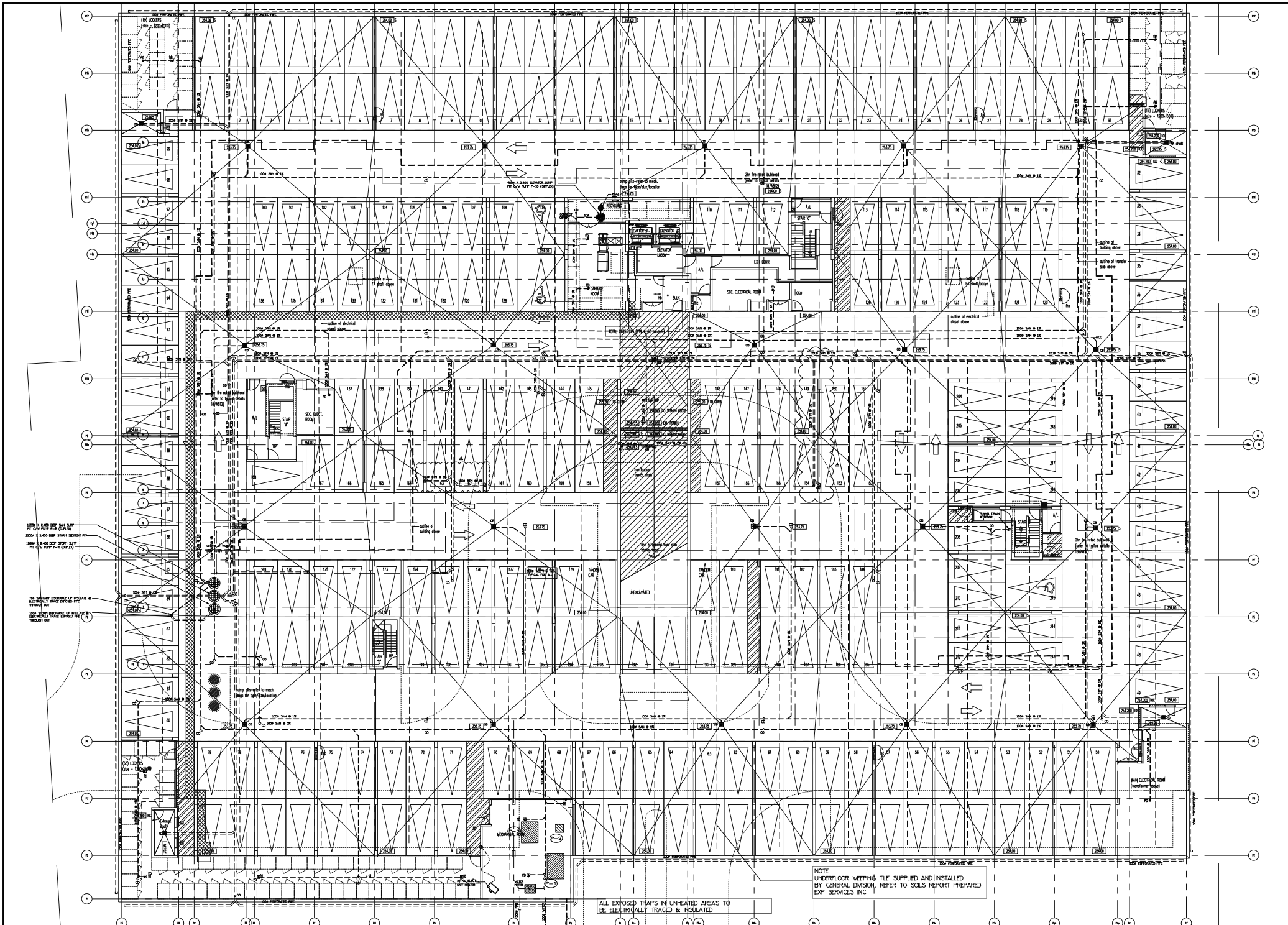
PREPARED BY:

Lenard Matthews  
Principal

**Project #14-016**  
**Hampton Manor**

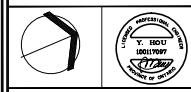
ISSUED TO ROYAL PINE HOMES,  
Cinzia Caruso, Cinzia@royalpinehomes.com;  
Vince Staffieri, vince@royalpinehomes.com  
FOR DISTRIBUTION TO ALL AFFECTED PARTIES.

cc. GRAZIANI + CORAZZA ARCH. INC., Gino Colangelo, GColangelo@gc-architects.com  
DINEEN CONSTRUCTION CORP., Chuck Clark, cclark@dineen.com;  
Jeffrey Ellis, jellis@dineen.com; Ric Wight, rwight@dineen.com



| NO. | BY | DESCRIPTION       | DATE       |
|-----|----|-------------------|------------|
| 1   | BT | ISSUED FOR PERMIT | 10/11/2017 |
| 2   | BT | ISSUED FOR PERMIT | 10/11/2017 |
| 3   | BT | ISSUED FOR PERMIT | 10/11/2017 |
| 4   | BT | ISSUED FOR PERMIT | 10/11/2017 |
| 5   | BT | ISSUED FOR PERMIT | 10/11/2017 |
| 6   | BT | ISSUED FOR PERMIT | 10/11/2017 |
| 7   | BT | ISSUED FOR PERMIT | 10/11/2017 |

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of architectural, structural, interior design, etc. on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authority having jurisdiction. This drawing is not to be used, all symbols are graphic representations only.



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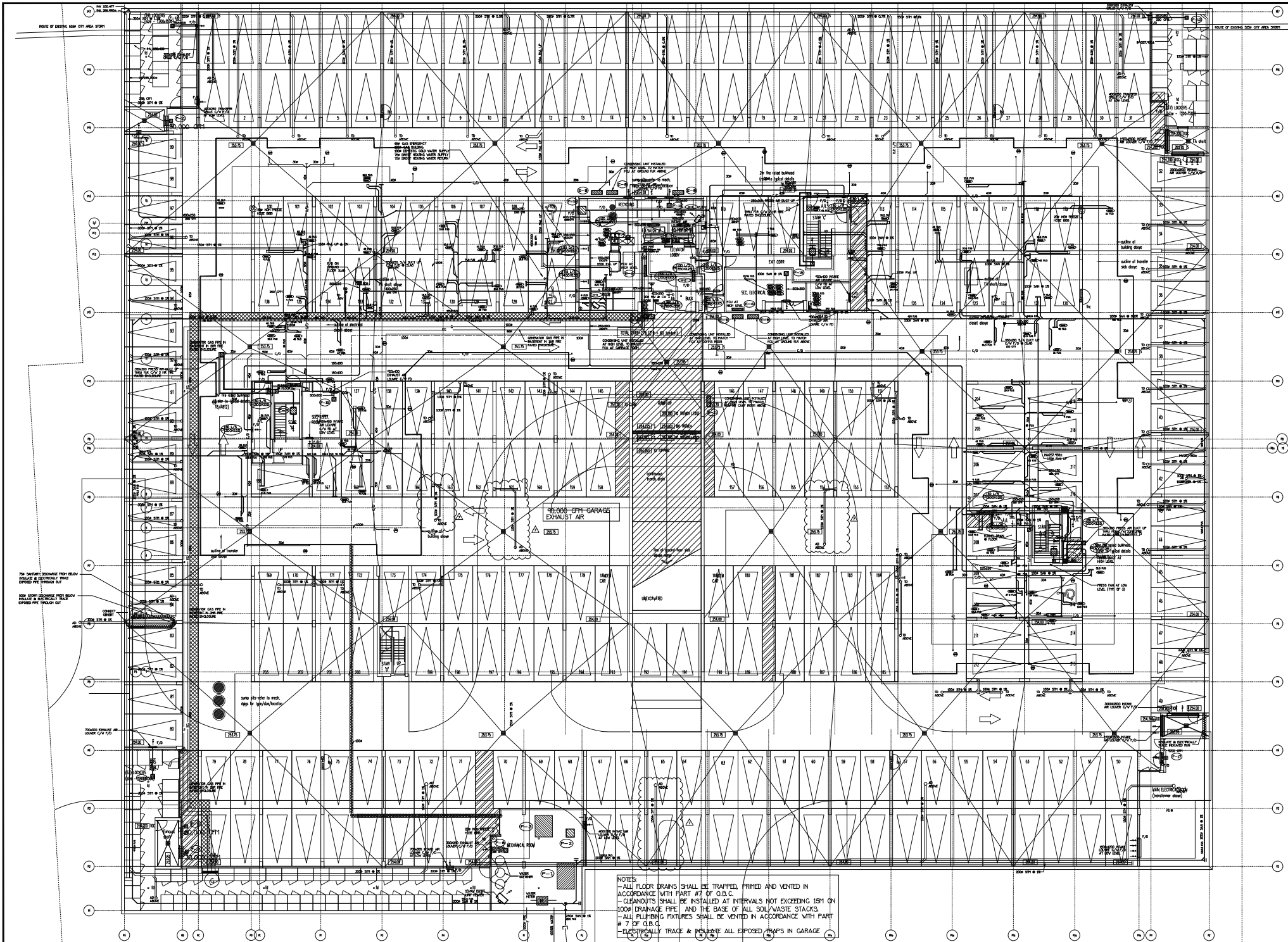
**MECHANICAL**

**25 BAKER HILL BLVD.**  
**ROYAL PINE HOMES**

STOUFFVILLE, ONTARIO  
PROPOSED RESIDENTIAL DEVELOPMENT

DRAWN: GC  
CHECKED: BT  
DATE: JUNE 2015

SCALE: 1/100  
PROJECT: M-3  
OF: 42



| NO. | BY | DESCRIPTION                 | DATE            |
|-----|----|-----------------------------|-----------------|
| 1   | BT | ISSUED FOR TENDER           | 2015/07/20/2016 |
| 2   | BT | ISSUED FOR PERMIT           | 2016/08/20/2016 |
| 3   | BT | PROGRESS FOR CONSTRUCTION   | 2016/10/20/2016 |
| 4   | BT | REVISION FOR DIMENSION P-5  | 2016/11/20/2016 |
| 5   | BT | REVISION FOR DIMENSION P-7  | 2017/01/20/2017 |
| 6   | BT | REVISION FOR DIMENSION P-1  | 2017/02/20/2017 |
| 7   | BT | REVISION FOR DIMENSION P-11 | 2017/03/20/2017 |

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**PARKING LEVEL PLAN  
MECHANICAL**

|                                                            |                          |                     |                 |
|------------------------------------------------------------|--------------------------|---------------------|-----------------|
| PROJECT<br><b>25 BAKER HILL BLVD.<br/>ROYAL PINE HOMES</b> |                          |                     |                 |
| LOCATION<br><b>STOUPVILLE, ONTARIO</b>                     |                          |                     |                 |
| PROPOSED RESIDENTIAL DEVELOPMENT                           |                          |                     |                 |
| DRAWN<br>CC                                                | BT                       | CHECKED<br>BT       | SCALE<br>1:1100 |
| DATE<br>JUNE 2015                                          | PROJECT<br><b>14-016</b> | SHEET<br><b>M-4</b> | OF<br><b>42</b> |

| BOILER ROOM EQUIPMENT SCHEDULE |                              |               |               |                         |          |      |      |         |                |
|--------------------------------|------------------------------|---------------|---------------|-------------------------|----------|------|------|---------|----------------|
| NO                             | TYPE                         | LOCATION      | HEATING CURT/ | CAPACITY                | QUANTITY | HP   | PSI  | MAKE    | REMARKS        |
|                                |                              |               |               |                         | SIZE     |      |      |         |                |
| 1                              | HEATING BOILER               | BOILER ROOM-1 | 170 TON       |                         | 1        |      |      | BAUTHER | REPAIR #1-2005 |
| 2                              | HOT HOT WATER HEATING BOILER | BOILER ROOM-1 |               |                         | 1        |      |      | BAUTHER | REPAIR #1-2005 |
| 3                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 4                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 5                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 6                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 7                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 8                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 9                              | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 10                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 11                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 12                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 13                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 14                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 15                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 16                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 17                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 18                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 19                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 20                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 21                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 22                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 23                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 24                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 25                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 26                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 27                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 28                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 29                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 30                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 31                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 32                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 33                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 34                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 1000    | REPAIR #1-2005 |
| 35                             | CONDENSER                    | BOILER ROOM-1 |               | 1000 G.P.M. 1000 G.P.M. | 1        | 1000 | 1000 | 10      |                |

[illegible][illegible]

NOTE: ALL FANCOIL UNITS SHALL BE C/V ELECTRIC HEATERS - SUITES WITH ONE FANCOIL UNIT SHALL BE C/V 1000 WATT ELECTRIC HEATERS - SUITES WITH MULTIPLE FANCOIL UNITS SHALL BE C/V 700 WATT ELECTRIC HEATERS EACH

[illegible]

| FAN SCHEDULE (PHASE 1) AND MODEL |         |          |                 |                |       |       |                        |      |       |                |
|----------------------------------|---------|----------|-----------------|----------------|-------|-------|------------------------|------|-------|----------------|
| NO.                              | TYPE    | LOCATION | POWER<br>BRIDGE | WIRE<br>BRIDGE | SPN   | R.P.  | ELECTRICAL<br>SCHEDULE | WIRE | MODEL | REMARKS        |
| (P-1)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-2)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-3)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-4)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-5)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-6)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-7)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-8)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-9)                            | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-10)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-11)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-12)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-13)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-14)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-15)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-16)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-17)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-18)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-19)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-20)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-21)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-22)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-23)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-24)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-25)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-26)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-27)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-28)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-29)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-30)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-31)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-32)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-33)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-34)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-35)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-36)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-37)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-38)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-39)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-40)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-41)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-42)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-43)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-44)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-45)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-46)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-47)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-48)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-49)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-50)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-51)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-52)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-53)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-54)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-55)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-56)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-57)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-58)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-59)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-60)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-61)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-62)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-63)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-64)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-65)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-66)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-67)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-68)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-69)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-70)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-71)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-72)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-73)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-74)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-75)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-76)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-77)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-78)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-79)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-80)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-81)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-82)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-83)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-84)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-85)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-86)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-87)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-88)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-89)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-90)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-91)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-92)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-93)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-94)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-95)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-96)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-97)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-98)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-99)                           | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |
| (P-100)                          | EXHAUST | ROOF     | 300             | 100            | 100/0 | 100/0 | 100/0                  | ---  | ---   | TO AIR EXHAUST |

| GENERAL NOTES FOR SPECIFIED EQUIPMENT TO BE HIGH EFFICIENT, TO ACHIEVE 10% REDUCTION (CALCULATE EFFICIENCY LINE 4) |           |               |                    |                        |              |                       |          |          |                         |
|--------------------------------------------------------------------------------------------------------------------|-----------|---------------|--------------------|------------------------|--------------|-----------------------|----------|----------|-------------------------|
| PUMP SCHEDULE                                                                                                      |           |               |                    |                        |              |                       |          |          |                         |
| NO.                                                                                                                | TYPE      | LOCATION      | DESIGN FLOW<br>GPM | DESIGN<br>HEAD<br>FEET | HP/1<br>1/2" | EFFICIENCY<br>PERCENT | FRAME    | MODEL    | REMARKS                 |
| (1)                                                                                                                | TYPE UNIT | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (2)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (3)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (4)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (5)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (6)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (7)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (8)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (9)                                                                                                                | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (10)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (11)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (12)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (13)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (14)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (15)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (16)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (17)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (18)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (19)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (20)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (21)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (22)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (23)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (24)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (25)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (26)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (27)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (28)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (29)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (30)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (31)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (32)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (33)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 | ATP00000 | CAN BE REMOVED & REUSED |
| (34)                                                                                                               | ROOF RY   | INTERIOR ROOF | 1                  | 100                    | 0.000        | 60%/0.5               | ATP00000 |          |                         |

**NOTES:**  
-MECHANICAL CONTRACTOR MUST ASSUME COST FOR ANY INCREASE IN ELECTRICAL POWER REQUIREMENTS DUE TO SUBSTITUTION OF EQUIPMENT SPECIFIED  
-ALL PUMP/FAH STARTERS & DISCONNECTS LOCATED IN PUBLIC AREAS SHALL BE C/W LOCKABLE TAMPERPROOF GUMDS SUPPLIED & INSTALLED BY PLUMBING & VENTILATION CONTRACTORS

[illegible]

| 5   | LB | REVISED AS PER SITE INSTRUCTION P1-3                            | JEC/11/2016 |
|-----|----|-----------------------------------------------------------------|-------------|
| 4   | LB | REVISED AS PER SITE INSTRUCTION P1-5<br>ISSUED FOR CONSTRUCTION | AUS/09/2016 |
| 3   | LD | PROGRESS FOR CONSTRUCTION                                       | JAL/28/2016 |
| 2   | LH | ISSUED FOR PERMIT                                               | JEC/28/2016 |
| 1   | LH | ISSUED FOR TENDER                                               | MAR/21/2016 |
| NO. | BY | DESCRIPTION                                                     | DATE        |

| REVISIONS |  |
|-----------|--|
|-----------|--|

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc. on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform with applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.



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EQUIPMENT SCHEDULE  
MECHANICAL

|                                         |         |
|-----------------------------------------|---------|
| PROJECT                                 |         |
| 25 BAKER HILL BLVD.<br>ROYAL PINE HOMES |         |
| STOUFFVILLE,                            | ONTARIO |
| PROPOSED RESIDENTIAL DEVELOPMENT        |         |
| DRAWN                                   | CHECKED |
| GC                                      | BT      |
| DATE                                    | PROJECT |
| JUNE 2015                               | 14-016  |
| SCALE                                   |         |
| NTS                                     |         |
| DRAWING                                 |         |
| M-39                                    |         |
| OF                                      |         |
| 42                                      |         |