NOTES TO CONTRACTOR:

ITEMS REQUIRED TO COMPLETE THIS DRAWING

A.) CERTIFIED EQUIPMENT DRAWINGS ARE NOT AVAILABLE AT THIS TIME. DETAILS SHOWN ON THIS DRAWING ARE SUBJECT TO REVISIONS ONCE FINAL INFORMATION BECOMES AVAILABLE FROM THE SELECTED VENDOR. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND INCORPORATING ANY MODIFICATIONS NEEDED TO BE COMPATIBLE WITH PURCHASED EQUIPMENT.

B.) CONTRACTOR SHALL UTILIZE RP PROCESS TO DOCUMENT NEEDED MODIFICATIONS FOR ENGINEER'S REVIEW, VERIFICATION AND ACCEPTANCE PRIOR TO EXCAVATION, PLACING REBAR, POURING CONCRETE, OR INSTALLATION OF OTHER STRUCTURAL COMPONENTS.
NOTES TO CONTRACTOR:

ITEMS REQUIRED TO COMPLETE THIS DRAWING:

1. CERTIFIED EQUIPMENT DRAWINGS ARE NOT AVAILABLE AT THIS TIME. DETAILS SHOWN ON THIS DRAWING ARE SUBJECT TO REVISIONS ONCE FINAL INFORMATION BECOMES AVAILABLE FROM THE SELECTED VENDOR. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND INCORPORATING ANY MODIFICATIONS NECESSARY TO BE COMPATIBLE WITH PURCHASED EQUIPMENT.

2. CONTRACTOR SHALL UTILIZE FYI PROCESS TO DOCUMENT NECESSARY MODIFICATIONS FOR ENGINEER'S REVIEW, VERIFICATION AND ACCEPTANCE PRIOR TO EXCAVATION, PLACING REBAR, POURING CONCRETE, OR INSTALLATION OF OTHER STRUCTURAL COMPONENTS.

LEGEND:

- WORK POINT (W.P.)

NOTES:

1. FOR GENERAL NOTES SEE SHEETS 3-4 AND 5-6.

2. NOT USED.

3. POST INSTALLED HOUSINGS MUST BE TAPPED CORRECTLY AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

4. ELECTRIC PLUGS/CONNOCTORS INSTALLATION MUST BE INSTALLED IN ACCORDANCE WITH ELECTRICAL CONTRACTOR'S INSTALLATION INSTRUCTIONS.

5. ELECTRICAL CONNECTORS (IF-0/20-0X) SHALL BE SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT.

6. ALL ELECTRICAL CONNECTIONS MUST BE PROPERLY TAMPER PROOFED TO ENSURE INTEGRITY OF ELECTRICAL CONNECTIONS AND PREVENT UNAUTHORIZED ACCESS TO THE ELECTRICAL SYSTEM.

7. CONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY CHANGES OR MODIFICATIONS TO THE ORIGINAL DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT INSTALLATION AND FUNCTIONING OF ALL ELECTRICAL SYSTEMS IN ACCORDANCE WITH THE ORIGINAL DRAWING.

8. ALTERNATIVELY, THE CONTRACTOR MAY INSTALL AN ADDITIONAL PANEL IN ANY APPROPRIATE LOCATION TO PROVIDE FOR THE INSTALLATION OF ADDITIONAL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT INSTALLATION AND FUNCTIONING OF THE ADDITIONAL PANEL.

9. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE ORIGINAL DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT INSTALLATION AND FUNCTIONING OF ALL MATERIALS.

10. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE ORIGINAL DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT INSTALLATION AND FUNCTIONING OF ALL WORK.
**PLAN NOTES:**

1. Supply pipe system shown on 1040.
2. Ducts begin at rooftop.
3. Fire sprinkler heads at each room entrance.
4. Air vents shown at each room. (Typ. 2)
5. Ducts under stairway to be enclosed (Typ. 3).
6. Ducts are shown as "typical.
7. Hydrofuge roof detail shown as standard (Typ. 4).
8. Common control room showing common control to stair.
9. Heat return shown as standard (Typ. 5).
10. Ducts under stairway to be visible in plan view.
11. Ducts shown as "typical."
12. Supporting主管 information shown as standard (Typ. 12).
13. Ducts shown as "typical."
14. Ducts shown as "typical."

**DUCTS PENETRATED INTO THE BUILDING SHALL HAVE FLANGED CONNECTIONS FOR MAINTENANCE PURPOSE.**

**ELECTRICAL CONTROL BUILDING NEW HVAC PLAN**

**SUPPORT SCHEDULE FOR DUCT SIZE AND DUCT GAUGE**

---

**Technical Details:**

- **Ducts:** Flanged connections for maintenance purposes.
- **Support Schedule:** For duct size and duct gauge.
3. NEW TEMPORARY CABLE TRAY, INSTALLED DURING TEMPORARY INSTALLATION TO BE DEMO AFTER PERMANENT INSTALLATION IS COMPLETED. TEMPORARY SUPPORT PIERS TO BE DEMO ALSO.

NEMA 4X SUITABLE FOR OUTDOOR.
<table>
<thead>
<tr>
<th>COND. NO.</th>
<th>CABLE NO.</th>
<th>APPLICATION</th>
<th>LOAD</th>
<th>VOLTS</th>
<th>SIZE FROM</th>
<th>VIA</th>
<th>SIZE TO</th>
<th>CONDUIT</th>
<th>SIZE MULTIPLE</th>
<th>VOLT</th>
<th>REMARKS</th>
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<td>W1-01</td>
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<td>W1-04</td>
<td>Temporary</td>
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<td>600v</td>
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<td>2/2</td>
<td>2/2</td>
<td>220v</td>
<td>6/30</td>
</tr>
</tbody>
</table>

**NOTES:**
1. CONDUIT LENGTH IS FOR ART'S PURPOSE ONLY.

**LEGEND:**
A - CONDUCTORS SMALLER THAN 22MM², CABLE, STRANDED COPPER, 600V, 7/7, THEN INSULATION
B - CONDUCTORS SMALLER THAN 22MM², MULTICORE, STRANDED COPPER, 600V, 7/7, THEN INSULATION, T/F, ARMORED
C - CONDUCTORS SMALLER THAN 22MM², SINGLE CONDUCTORS, STRANDED COPPER, 600V, 7/7, INSULATION, T/F, ARMORED
D - CONDUCTORS LARGER THAN 22MM², SINGLE CONDUCTORS, STRANDED COPPER, 600V, 7/7, THEN INSULATION
E - VS-FIRE POWER CABLE TYPE 200T, 600V, SHEATHED CABLE, COPPER, 600V, SWOT.
<table>
<thead>
<tr>
<th>COND. NO.</th>
<th>CABLE NO.</th>
<th>APPLICATION</th>
<th>LOAD</th>
<th>VOLTS</th>
<th>FROM</th>
<th>VAL</th>
<th>TO</th>
<th>CONDUIT</th>
<th>SIZE</th>
<th>LITHM. (NOTE)</th>
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</table>

**Legend:**
A. CONDUCTORS SMALLER THAN ZOONIC, SINGLE CONDUCTORS STRAIGHT COPPER, 189, 70, THEN INSULATION.
B. CONDUCTORS SMALLER THAN ZOONIC, MULTIPLE CONDUCTORS, STRAIGHT COPPER, 70, THEN INSULATION, TC, MEM.
C. CONDUCTORS SMALLER THAN ZOONIC, SINGLE CONDUCTORS STRAIGHT COPPER, 70, MEM OR CP INSULATION.
D. CONDUCTORS LARGER THAN ZOONIC, SINGLE CONDUCTORS, STRAIGHT COPPER, 70, MEM OR CP INSULATION, TC RATED.
E. NEW CONDUIT.
F. NEW CONDUIT.

**Notes:**
1. CONDUCTOR AND CABLE LENGTH ARE FOR WIRE FUTURE DRY, CONTRACTOR SHALL FILL HOLLOW PULL TOiture.
<table>
<thead>
<tr>
<th>COND. NO</th>
<th>CABLE NO.</th>
<th>APPLICATION</th>
<th>LOAD</th>
<th>VOLS</th>
<th>FROM</th>
<th>VIA</th>
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<th>SIDE</th>
<th>LITH. NOTE</th>
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</tbody>
</table>

**Legend:**

A. Conduit smaller than 120V, single conductor, stranded copper, 120V, THWN-2, 90°C,

B. Conduit smaller than 250V, multiple conductors, stranded copper, 75V, THWN-2, 90°C,

C. Conductors smaller than 250V, single conductor, stranded copper, 75V, THWN-2, 90°C,

D. Conductors larger than 250V, single conductor, stranded copper, 75V, THWN-2, 90°C,

E. Interlaced cable, single twisted pair (#18 AWG), stranded.

**Notes:**

1. Conduit and cable length are for guide purpose only. Contractor shall verify before purchase.
MAIN CONTROL PANEL "MCP" CONTROL DIAGRAM - SHT 2

WET WELL #2

NOTES:
1. Use sheet "B" for Andy Equipment and Control panel.
2. See sheet "B" for control diagram notes.
RTU AND FIELD DEVICE INTERCONNECT DIAGRAM - SHT 1
ELECTRICAL CONTROL BUILDING DEMOLITION PLAN

NOTE:

- Not all existing facilities (equipment, conduit, and appurtenances) are shown. Contractual requirements state that all existing facilities, unless noted otherwise.
- Control box and breaker panel are relocated to allow space for new MCP panel.
- Existing fuel storage tank is decommissioned and removed.

Details:

- Existing underground conduits and conductors from existing VFD to MCP panel shall be removed.
- Existing underground conduits and conductors from existing VFD to existing slab box and transformer shall be removed and sealed with district-approved sealant.
- Existing emergency generator shall remain.
- Existing surface mount air compressor and auxiliary equipment shall remain. Existing conduits and conductors to existing surface mount air compressor and auxiliary equipment shall remain.
- Existing gas unit and docks shall remain and be decommissioned as required.
- Existing grounding to remain.

ADDITIONS:

- Existing gas main switches and feeds to be removed.
- Existing gas motor control center to be removed.
- Existing duct shall be removed for pump 1 A & B and VFD for pumps 3 A & D.
- Existing electrical bus duct to be removed.
- Existing underground conduits and conductors from existing VFD to existing slab box shall be removed.
- Existing underground conduits and conductors from existing VFD to existing slab box and transformer shall be removed and sealed with district-approved sealant.
- Existing emergency generator shall remain.
- Existing surface mount air compressor and auxiliary equipment shall remain. Existing conduits and conductors to existing surface mount air compressor and auxiliary equipment shall remain.
- Existing gas unit and docks shall remain and be decommissioned as required.
- Existing grounding to remain.

SCALE: 1/8"=1'-0"