Appendix D

Project Drawings
...
1. Paint all exposed steel framing, spray-on fire proofing, duct work, piping and conduit.
2. Refer to 'H' drawings for additional HVAC information.
3. Refer to 'E' drawings for additional lighting, sensor, and fire alarm information.
4. Refer to finish schedule for additional information.
5. Provide accepted ceiling coordination drawings prior to layout of any ceiling items.
6. All ceiling mounted devices in act ceiling shall be centered in ceiling tiles.

**REFLECTED CEILING PLAN NOTES:**

- Paint All Exposed Steel Framing, Spray-on Fire Proofing, Duct Work, Piping and Conduit
- Refer to 'H' drawings for additional HVAC information
- Refer to 'E' drawings for additional lighting, sensor, and fire alarm information
- Refer to finish schedule for additional information
- Provide accepted ceiling coordination drawings prior to layout of any ceiling items
- All ceiling mounted devices in act ceiling shall be centered in ceiling tiles
**Key Plan**

A5.0

---

**Sheet Title**

FINISHED BASEMENT

---

**Scale:**

3/16" = 1'-0"

---

**North Elevation**

1. SOLID PHENOLIC WALL PANEL SYSTEM
2. SOLID PHENOLIC WALL PANEL SYSTEM
3. SOLID PHENOLIC WALL PANEL SYSTEM
4. SOLID PHENOLIC WALL PANEL SYSTEM
5. SOLID PHENOLIC WALL PANEL SYSTEM

---

**South Elevation**

1. SOLID PHENOLIC WALL PANEL SYSTEM
2. SOLID PHENOLIC WALL PANEL SYSTEM
3. SOLID PHENOLIC WALL PANEL SYSTEM
4. SOLID PHENOLIC WALL PANEL SYSTEM
5. SOLID PHENOLIC WALL PANEL SYSTEM

---

**Legend**

- WALL PANEL TYPE 1
- WALL PANEL TYPE 2

---

**Scale:**

1/64" = 1'-0"

---

**Elevations**

- ELEV. [ ±19'-5" ]
- ELEV. [ ±21'-10" ]
- ELEV. [ ±14'-3" ]
- ELEV. [ ±12'-0" ]
- ELEV. [ 0'-0" ]
- ELEV. [ 0'-0" ]
- ELEV. [ 1'-0" ]
- ELEV. [ 1'-0" ]
- ELEV. [ ±3'-0" ]

---

**Details**

1. PROVIDE STEEL COLUMN, PAINT - SEE DETAIL 3/A5.1
2. PROVIDE BOX GUTTER, TYP. - SEE DETAIL 4/A5.1
3. PROVIDE METAL PANEL WALL SYSTEM - SEE DETAIL 5/A5.1
4. PROVIDE ROOFING SYSTEM, TYP. - SEE DETAIL 6/A5.1
5. PROVIDE STOREFRONT SYSTEM, TYP. - SEE DETAIL 7/A5.1

---

**Notes**

1. METAL PANEL WALL SYSTEM
2. ALUMINUM LEADER
3. METAL DRIP EDGE
4. ROOFING SYSTEM, TYP.
5.揮
6. BUILDING ELEVATION NOTES:

---

**Client:**

Program Consultant:

---

**Author:**

- LKB
- H2M
- A4.0

---

**Contact Information:**

Matrix New World Engineering, Land Surveying

538 Broad Hollow Road

Eatontown, New Jersey 07724

Tel: 732-588-2999

Fax: 973-240-1818

www.matrixnewworld.com

---

**List of Materials:**

- CONCRETE FOUNDATIONS
- EXPOSED CONCRETE
- STRUCTURAL STEEL AT WALL PANEL

---

**References:**

- DRAWINGS & SPECIFICATIONS
- COMPLIANCE DOCUMENTS

---

**Acknowledgments:**

- LANDSCAPE ARCHITECTS:
- CIVIL ENGINEERS + CERTIFIED ARBORISTS +
- ARCHITECTS: LANGER + REINHARDT

---

**Other Details:**

- APPROX. GRADE; REFER TO 'C'
- DASHED FOR CLARITY; REFER TO 'S'
- FOUNDATIONS AND GRADE BEAMS - SEE 'S'
- APPROPRIATE SIZES; REFER TO 'S' DRAWINGS FOR ADDITIONAL INFORMATION
- APPROXIMATE GRADE; REFER TO 'C' DRAWINGS FOR ADDITIONAL INFORMATION
- PROJECT 'E'; COORDINATE
- CONSTRUCTION SUBMISSIONS
- DOWNSPOUT LOCATIONS
- PROVIDE PROPER SIZE PIPE FITTINGS FOR CONNECTION TO DRAINAGE
SEE DRAWING A5.0 FOR BUILDING SECTION NOTES

SCALE: 1/64" = 1'-0"

WALL SECTION

DETAILS

SECTION AND BUILDING

DRAWINGS FOR ADDITIONAL
AND REINFORCING)

STUDS AT 16" O.C.

DATE:

COMPACTED SUBGRADE (SEE 'S' DRAWINGS FOR ELEVATIONS AND LOCATIONS)

2" RIGID INSULATION EXTEND HORIZONTALLY 4' TO BUILDING

NOTE 1

INTERIOR GRADE AND DOWN (SEE 'S' DRAWINGS FOR SIZES AND LOCATIONS)

PRK 4559

CONTRACT: D004472

WORK ORDER: LI-022

CONTRACT

STATE PARK

WHEREAS AND REINFORCING)

5" GYP. BD. ON GALVANIZED METAL SPACING, PAINT AT ALL EXPOSED

FINISHED BASEMENT

NYSP-1503

" GYPSUM WALL BOARD

METAL WALL PANEL SYSTEM

VERTICAL METAL PANEL WALL SYSTEM

VAPOR BARRIER TYP.

JOINT FILLER TYP.

2" PREMOLDED EXPANSION LOCATIONS

10% SUBMISSION

NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27962300

www.matrixneworld.com

442 State Route 35, Second Floor

Eatontown, New Jersey 07724

Fax: 973-240-1818

Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.

442 State Route 35, Second Floor

Melville, NY 11747

P:(631)756-8000

F:(631)694-4122

P:(631)756-8000

F:(631)694-4122
1. Maximum Riser Height 7" (actual varies).
2. Minimum Tread Depth 9" exclusive of Nosing (actual varies).
3. Minimum Handrail Height to be between 34" & 36". Provide 12" handrail extensions at top and bottom of stairs.
4. Coordinate stair heights to accommodate finished floor elevations and finishes at each level.
5. All connections to be welded and ground smooth U.N.O.
6. Paint all railing components & exposed steel, TYP. See 'S' Drawings for additional information.
7. Pressure treated wood joists and stair stringer: REFER TO 'C' DRAWINGS FOR ADDITIONAL INFORMATION.
GENERAL BATHROOM NOTES:

1. ALL PAINTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED & SEE REQUIREMENTS OF THE SPECIFICATIONS.

2. THE CONTRACTOR SHALL FOLLOW ALL CONTRACT DOCUMENTS & SPECIFICATIONS TO DETERMINE ALL REQUIRING PREREQUISITE AND REQUIREMENTS.

3. MATERIALS USED NEED TO BE ACCORDING TO THE SPECIFICATIONS.

4. INSTALLATION LOCATION OF ALL FIXTURES AND ACCESSORIES TO BE ORDERED AND APPROVED IN FIELD BY CONTRACTOR & SPECIFICATIONS.

5. COORDINATE LOCATION OF PLUMBING FIXTURES WITH CONTRACT.

6. PROVIDE 2' LATERAL PLYWOOD BRACING FOR USE.

7. PROVIDE ALL ACCESS & MIRRORS IN BATHS AND SCHOOLS AS REQUIRED FOR SECURING WATER OF ALL FIXTURES, TOILET PARTITIONS & ACCESSORIES.

ACCESSORIES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>ROOM NUMBER</th>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-01</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-8226</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
<tr>
<td>AC-02</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-43644</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
<tr>
<td>AC-03</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-270</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
<tr>
<td>AC-04</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-4221</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
<tr>
<td>AC-05</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-8226</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
<tr>
<td>AC-06</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-270</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
<tr>
<td>AC-07</td>
<td>ALL BATHROOMS</td>
<td>BOBRICK-B-43644</td>
<td>17&quot; HANDICAPPED SIDE</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

REQUIREMENTS FOR ACCESSORIES

1. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

2. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

3. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

4. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

5. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

6. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

7. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

8. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

9. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.

10. ALL BATHROOMS: All bathroom accessories to be installed with 17" minimum.
**Enlarged Kitchenette/Wet Lab Floor Plan**

**Enlarged Wet Lab Floor Plan**

**Equipment Schedule**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Size/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks**

1. *All phase 2016 equipment cabinets, countertops and sinks to be furnished and installed by contractor. All phase 2016 equipment to be installed in accordance with manufacturers' directions. All equipment cabinets to be furnished and installed by contractor. All phase 2016 equipment to be installed in accordance with manufacturers' directions.*

2. *Detailing of all equipment cabinets, counter-tops and sinks to be furnished by contractor. All phase 2016 equipment to be installed in accordance with manufacturers' directions.*

3. *All equipment cabinets to be furnished and installed by contractor. All phase 2016 equipment to be installed in accordance with manufacturers' directions.*
1. **Window Head Detail**

   - Metal Head Angle Trim
   - Metal Jamb Extension: Jamb
   - Metal Channel: Metal Channels
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

2. **Window Head Detail**

   - Metal Head Angle Trim
   - Metal Jamb Extension: Jamb
   - Metal Channel: Metal Channels
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

3. **Window Sill Detail**

   - 3/4" Cold Formed Metal Corner Post
   - 1/2" Cold Formed Metal Corner Post
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

4. **Window Sill Detail**

   - 3/4" Cold Formed Metal Corner Post
   - 1/2" Cold Formed Metal Corner Post
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

5. **Window Jamb Detail**

   - Metal Head Angle Trim
   - Metal Jamb Extension: Jamb
   - Metal Channel: Metal Channels
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

6. **Window Jamb Detail**

   - Metal Head Angle Trim
   - Metal Jamb Extension: Jamb
   - Metal Channel: Metal Channels
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

7. **Window Sill Detail**

   - 3/4" Cold Formed Metal Corner Post
   - 1/2" Cold Formed Metal Corner Post
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier

8. **Corner Post Detail**

   - Metal Head Angle Trim
   - Metal Jamb Extension: Jamb
   - Metal Channel: Metal Channels
   - Flashing Siding Cap
   - Vertical Metal Panel Wall System on Weather Barrier
ROOM FINISH SCHEDULE

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>ROOM NAME</th>
<th>WALLS</th>
<th>FLOOR</th>
<th>CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>LEFT</td>
<td>RIGHT</td>
<td>FRONT</td>
</tr>
<tr>
<td>1st</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FLOORING MATERIALS

- RESILIENT URETHANE
- TRIM EDGE

FINISH SCHEDULE

- ALC
- DRAWN BY:
- NYSP-1503

NOT TO SCALE

GENERAL FINISH NOTES

1. All interior finishes are to meet or exceed the requirements of system parts 1 & 2.
2. See shop plans for color, heights, spots, and cut types.
3. This schedule reviews all nominal list of finishes items and has a list of all room descriptive finishes on roof. Rooms 1 is a list of all additional finishes required for the roof. Rooms 2 is a list of all additional finishes required for the roof.
4. See shop drawing sheet for additional finishes required for any other finishes.
5. Curtain boards to be installed behind all other walls.
SLAB NOTES:
1. DRAWING SHEET TITLE 2:4 IS RELATIVE TO PREVIOUS SHEET PLUS SCAFFOLDING (IF ANY)
2. INDICATING A VERTICAL CHANGE IN GRADE
3. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT AND PLACE BLOCKOUT IN SLAB POUR (TYP. FOR THIS SIDE OF WALL)
4. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT (TYP. FOR THIS SIDE OF WALL)
5. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT MATERIAL BETWEEN WALLS AND WALL-TO-WALL IN PERIMETER OF CONCRETE SLAB ON GRADE REINFORCED AS INDICATED WITH #5 @ 12" O.C.

LEGEND:
- S.O.G. = SLAB ON GRADE
- C.J. = CONTROL JOINT
- E.J. = EXPANSION JOINT
- T.O.S. = TOP OF SLAB
- T.O.SH. = TOP OF SHELF
- T.O.W. = TOP OF WALL
- T.U.R. = TOP OF RISE
- T.R.H. = TOP OF HOUSE

= UNLESS OTHERWISE NOTED
= CONTROL JOINT
= WALL
= TOP OF SHELF
= TOP OF SLAB
= EXPANSION JOINT
= SLAB ON GRADE
= FOUNDATION BELOW

1. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT MATERIAL BETWEEN WALLS AND WALL-TO-WALL IN PERIMETER OF CONCRETE SLAB ON GRADE REINFORCED AS INDICATED WITH #5 @ 12" O.C.
2. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT AND PLACE BLOCKOUT IN SLAB POUR (TYP. FOR THIS SIDE OF WALL)
3. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT (TYP. FOR THIS SIDE OF WALL)

BASEMENT SLAB PLAN

COLUMN EXPANSION JOINT DETAILS

PLACE BLOCKOUT IN SLAB POUR BETWEEN WALLS AND WALL-TO-WALL IN PERIMETER OF CONCRETE SLAB ON GRADE REINFORCED AS INDICATED WITH #5 @ 12" O.C.

LEAD LANDSCAPE ARCHITECTS + ARCHITECTS:

Program Consultant:

Structural Engineers +

Certified Arborists +

Civil Engineers +

Certified Arborists +

Certified Arborists +

Certified Arborists +

Certified Arborists +

Certified Arborists +

Certified Arborists +

Certified Arborists +

Certified Arborists +

Certified Arborists +
### COLUMN SCHEDULE

<table>
<thead>
<tr>
<th>COLUMN DESIGNATION</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>14</td>
<td>15</td>
<td>17</td>
<td>18</td>
<td>20</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>9</td>
<td>16</td>
<td>19</td>
<td>20</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>14</td>
<td>15</td>
<td>17</td>
<td>18</td>
<td>20</td>
<td>2</td>
<td>2</td>
<td>7</td>
<td>9</td>
</tr>
</tbody>
</table>

**BASE PLATE SCHEDULE**

<table>
<thead>
<tr>
<th>MARK</th>
<th>WIDTH W</th>
<th>LENGTH L</th>
<th>THICKNESS</th>
<th>NOTES</th>
<th>DETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM</td>
<td>8&quot;</td>
<td>12&quot;</td>
<td>1/8&quot;</td>
<td>162</td>
<td>564</td>
</tr>
<tr>
<td>SPM</td>
<td>8&quot;</td>
<td>12&quot;</td>
<td>1/8&quot;</td>
<td>162</td>
<td>5</td>
</tr>
<tr>
<td>SPM</td>
<td>10&quot;</td>
<td>12&quot;</td>
<td>1/8&quot;</td>
<td>162</td>
<td>5</td>
</tr>
</tbody>
</table>

**COLUMN PIER SCHEDULE**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>SIZE</th>
<th>REINFORCEMENT</th>
<th>TIES</th>
<th>LOCATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFD</td>
<td>20&quot; x 20&quot;</td>
<td>(1) 4 BARS E/F - (8 BARS TOTAL)</td>
<td>8 BARS (1/2&quot;)</td>
<td>SEE FIN. PLAN</td>
</tr>
<tr>
<td>CFD</td>
<td>16&quot; x 16&quot;</td>
<td>(1) 4 BARS E/F - (8 BARS TOTAL)</td>
<td>8 BARS (1/2&quot;)</td>
<td>SEE FIN. PLAN</td>
</tr>
<tr>
<td>CFD</td>
<td>16&quot; x 20&quot;</td>
<td>(1) 4 BARS E/F - (8 BARS TOTAL)</td>
<td>8 BARS (1/2&quot;)</td>
<td>SEE FIN. PLAN</td>
</tr>
</tbody>
</table>

**PILE CAP SCHEDULE**

<table>
<thead>
<tr>
<th>MARK</th>
<th>WIDTH W</th>
<th>LENGTH L</th>
<th>THICKNESS</th>
<th>REINFORCEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>3&quot;</td>
<td>5&quot;</td>
<td>2&quot;</td>
<td>M10 @ 12&quot; O.C. CB. C.S. (8 BARS TOTAL)</td>
</tr>
<tr>
<td>P2</td>
<td>3&quot;</td>
<td>5&quot;</td>
<td>2&quot;</td>
<td>M10 @ 12&quot; O.C. CB. C.S. (8 BARS TOTAL)</td>
</tr>
<tr>
<td>P3</td>
<td>SEE PLAN</td>
<td>SEE PLAN</td>
<td>2&quot;</td>
<td>M10 @ 12&quot; O.C. CB. C.S. (8 BARS TOTAL)</td>
</tr>
<tr>
<td>P4</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>10&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>P6</td>
<td>SEE PLAN</td>
<td>SEE PLAN</td>
<td>2&quot;</td>
<td>8 BARS (1/2&quot;)</td>
</tr>
</tbody>
</table>

**CONCRETE BEAM SCHEDULE**

<table>
<thead>
<tr>
<th>MARK</th>
<th>WIDTH W</th>
<th>LENGTH L</th>
<th>THICKNESS</th>
<th>REINFORCEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>B61</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>4&quot;</td>
<td>M10 @ 12&quot; O.C. CB. C.S. (8 BARS TOTAL)</td>
</tr>
</tbody>
</table>

**COLUMN SCHEDULE NOTES:**

1. INDICATES TOP OF COLUMN.
2. INDICATES BOTTOM OF BASE PLATE.
3. SEE BASE PLATE DETAIL AND SCHEDULE TO DETERMINE BOTTOM OF COLUMN.
4. SEE "FOOTING SCHEDULE" FOR FOOTING SIZE AND REINFORCING.
5. ALL BASE PLATES TO BE ON CONCRETE SHALL BE SHIMMED USING 1/4" NON-METALLIC, NON-SHINNIG GASKET.

---

### BASE PLATE TYPE

<table>
<thead>
<tr>
<th>MARK</th>
<th>WIDTH W</th>
<th>LENGTH L</th>
<th>THICKNESS</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM</td>
<td>8&quot;</td>
<td>12&quot;</td>
<td>1/8&quot;</td>
<td>162</td>
</tr>
<tr>
<td>SPM</td>
<td>8&quot;</td>
<td>12&quot;</td>
<td>1/8&quot;</td>
<td>162</td>
</tr>
<tr>
<td>SPM</td>
<td>10&quot;</td>
<td>12&quot;</td>
<td>1/8&quot;</td>
<td>162</td>
</tr>
</tbody>
</table>

**NOTES:**

1. PROVIDE 5/8" B/A NUT HOOK SOUTH FOR MOMENT BASE PLATE.
2. MOMENT BASE PLATE DETAILS USE A BAR FOR MOMENT BASE LOCATIONS.

---

### Typical Beam to Column Moment Connection

- **At Major Axis (M)**
  - Note: Beam to column connection shall be designed by a licensed structural engineer. Steel shop drawings shall be signed by the design engineer.

- **At Minor Axis (N)**
  - Note: Beam to column connection shall be designed by a licensed structural engineer. Steel shop drawings shall be signed by the design engineer.

---

### Non-Moment Base Plate

- **Details:**
  - Anchor bolt detail
  - Column steel schedule
  - Beam steel schedule

---

### Non-Moment Base Plate 2

- **Details:**
  - Anchor bolt detail
  - Column steel schedule
  - Beam steel schedule

---

**Anchor Bolt Detail**

- **Details:**
  - Anchor bolt detail
  - Column steel schedule
  - Beam steel schedule

---

**Land Surveyor’s Certificate of Accuracy:**

- **Details:**
  - Signed by a licensed land surveyor
  - Date: [Insert Date]

---

**Column Schedule & Details**

- **Details:**
  - Column schedule and details
  - Base plate schedule
  - Moment connection details

---

**Program Consultant:**

- **Details:**
  - [Insert Contact Information]

---

**Concrete Beam Schedule**

- **Details:**
  - Concrete beam schedule
  - Column pier schedule

---

**S5.0**

---

**WBE / DBE / SBE**

- **Details:**
  - Contact information for WBE/DBE/SBE certification

---

**Framing Plan Description**

- **Details:**
  - Framing plan description
  - Number

---

**Reinforcement Notes**

- **Details:**
  - Reinforcement notes
  - Thickness
  - Length 'L'
  - Width 'W'
**SPLIT AIR CONDITIONING (AC) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>LOCATION</th>
<th>CONFIGURATION</th>
<th>REFRIG/CAPAT</th>
<th>HEAT/CAPAT</th>
<th>DIMENSIONS</th>
<th>CFM TOTAL</th>
<th>CFM PER TON</th>
<th>BPD CIRCUIT</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CURTAIN</th>
<th>BLOWER TYPE</th>
<th>ELECTRICAL</th>
<th>MFLA MODEL NO.</th>
<th>REServes</th>
</tr>
</thead>
</table>

**BRANCH CIRCUIT CONTROLLER (BCC) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>LOCATION</th>
<th>UNIT INFORMATION</th>
<th>UNIT NUMBER</th>
<th>CAPACIT</th>
<th>UNIT ELECTRICAL</th>
<th>MFLA MODEL NO.</th>
<th>REServes</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-01</td>
<td>MOTOR</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>B-02</td>
<td>MOTOR</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>B-03</td>
<td>MOTOR</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**VRF CONDENSER (CU) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>LOCATION</th>
<th>UNIT INFORMATION</th>
<th>UNIT NUMBER</th>
<th>CAPACIT</th>
<th>UNIT ELECTRICAL</th>
<th>MFLA MODEL NO.</th>
<th>REServes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-01</td>
<td>OUTSIDE</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>C-02</td>
<td>OUTSIDE</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>C-03</td>
<td>OUTSIDE</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**EXHAUST FAN (EF) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRICAL</th>
<th>GPM</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CIRCUIT</th>
<th>DISCHARGE Ø</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-01</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>E-02</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**SUPPLY FAN (SF) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRICAL</th>
<th>GPM</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CIRCUIT</th>
<th>DISCHARGE Ø</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-01</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**ENERGY RECOVER UNIT (ERU) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRICAL</th>
<th>GPM</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CIRCUIT</th>
<th>DISCHARGE Ø</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-01</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**FILTER BOX (FB) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRICAL</th>
<th>GPM</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CIRCUIT</th>
<th>DISCHARGE Ø</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-01</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**RADIANT CEILING PANEL (RP) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRICAL</th>
<th>GPM</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CIRCUIT</th>
<th>DISCHARGE Ø</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-01</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**ELECTRIC UNIT HEATER (UH) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRICAL</th>
<th>GPM</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>FUSES</th>
<th>STARTER TYPE</th>
<th>CIRCUIT</th>
<th>DISCHARGE Ø</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q-01</td>
<td>100</td>
<td>250</td>
<td>1</td>
<td>1725</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
## ELECTRIC WATER HEATER SCHEDULE

<table>
<thead>
<tr>
<th>UNIT</th>
<th>DG</th>
<th>CAPACITY</th>
<th>TEMP.</th>
<th>RECOVERY</th>
<th>INPUT</th>
<th>OUTPUT</th>
<th>ELECTRIC</th>
<th>HP</th>
<th>MFG/MODEL NO.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Furnish with temperature and pressure relief valve.

## PUMP SCHEDULE

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>RPM</th>
<th>TCM</th>
<th>RPM</th>
<th>SHP</th>
<th>CONNECTING</th>
<th>BORE</th>
<th>ELECTRIC</th>
<th>TYPE</th>
<th>MFG/MODEL NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**
- Furnish all hot water pumps with pressure switch and dry run protection.
- Furnish all cold water pumps with dry run protection.
- The electric pumps are 50 Hz.

## EXPANSION TANK SCHEDULE

<table>
<thead>
<tr>
<th>TANK NO.</th>
<th>TANK VOLUME (GAL)</th>
<th>TANK HEIGHT (IN)</th>
<th>MFG/MODEL NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
DOMESTIC RISER DETAIL

BASEMENT FLOOR

P3.1
PROPOSED EDUCATION AND RESILIENCY CENTER

GENERATOR LOCATION

ELECTRIC/TELECOM SERVICE STUB-OUT TO F OUTSIDE BUILDING

TYPICAL TRENCH DETAIL

NOTE: ALL WORK IS NEW UNLESS OTHERWISE NOTED.

LEGEND

SYMBOL DESCRIPTION
P1 PHONE POLE
P2 DOUBLE POLE
P3 THREE WAY POLE
P4 FOUR WAY POLE
P5 DISTRIBUTED OCCUPANCY SENSOR
P6 120 V 3-WAY BRANCH CIRCUIT
P7 DISTRIBUTOR BOX
P8 ELECTRIC/TELECOM SERVICE (POWER)
J1 JUNCTION BOX
X1 X-1500 6000' MILE MARKER T-1000
M1 MANHOLE CIRCLE SDR1111
T1 TEL/DATA POINT
T10 CABLE IN/OUTDOOR photos/STUB-OUT TO 5' OUTSIDE BUILDING
T2 BURIED FUTURISTIC FLUSH MANHOLE
T3 (S) BURIED FUTURISTIC FLUSH SOCKET
T4 BURIED FUTURISTIC FLUSH TAP

SYMBOL DESCRIPTION
F1 FIRE ALARM CONTROL PANEL
FA1 FIRE ALARM REMOTE ANNUNCIATOR PANEL
ANN1 ANNUNCIATOR PANEL
AC1 ALARM CONTROL PANEL
P1 PANELBOARD
M1 MANUAL STARTER
S1 SINGLE POLE SWITCH
2P TWO POLE SWITCH
3P THREE WAY SWITCH
4P FOUR WAY SWITCH
GFI GROUND FAULT INTERRUPTER
NL NATIONAL NUMBER
48 7 1/2" SAWCUT, EXCAVATE, AND REMOVE ROCK AS NECESSARY
BACKFILL, PATCH, AS REQUIRED
CLEANED AND TAMPE BACKFILL
CONDUIT + WIRE
MARKER TAPE
24" TO MATCH EXISTING
TYPICAL TRENCH DETAIL

SYMBOL DESCRIPTION
PC LINE VOLTAGE OUTDOOR PHOTOCELL
S WIREWAY - CROSSLINES INDICATE NUMBER OF CONDUCTORS WHERE MORE THAN TWO
CIRCUIT HOMERUN (120V) TO PANELBOARD OTHERWISE NOTED
9$'3$1(/%2$5'
DISCONNECT SWITCH (FRAME/FUSE)
9':3$1(/%2$5'
SINGLE POLE SWITCH PROVIDED AND INSTALLED
EQUIPMENT, DEVICE, CONDUIT, WIRE, ETC. TO BE
J1 JUNCTION BOX
J2 ENCLOSED CIRCUIT BREAKER
BEGINNING OF CIRCUIT

NOTE: ALL WORK IS NEW UNLESS OTHERWISE NOTED.

ELECTRICAL SITE PLAN

1" = 20'
BASEMENT POWER PLAN

STORAGE

ELECTRICAL ROOM

MECHANICAL ROOM

STORAGE ROOM

STAIR 'A'

GENERATOR

ELECTRICAL ROOM

MECHANICAL ROOM

STORAGE ROOM

STAIR "A"

BASEMENT POWER PLAN

SCALE:  1/4" = 1'-0"
ALL SOLAR POWER EQUIPMENT TO BE MOUNTED ON WALL BETWEEN LOWER AND UPPER ROOF.

SUNPOWER SOLAR PHOTOVOLTAIC PANELS X21 SERIES 345 W.

GFI WP

OUTBACK POWER COMBINER PANELS (TYPICAL FOR 4)

SUNPOWER 10KW INVERTER AND DC DISCONNECT (TYPICAL FOR 4)

NEMA 3R TAP BOX 16X16X4

ELECTRICAL ROOF FLOOR PLAN
SCALE: 1/4" = 1'-0"
NOTE: CENTER ALL DEVICES IN CEILING TILE AS NECESSARY

NOTE: PROVIDE 2 CAT6, PLENUM WIRE, 3/4" C FROM EACH TELE/DATA OUTLET TO TELECOM BACKBOARD IN BASEMENT ELECTRIC ROOM.

20 CAT6 TEL/DATA DROP LOCATION USE J-HOOKS ABOVE DROPPED CEILING

4 CAT6 3/4" AT CEILING

2 CAT6 3/4"
DUAL ACTION MANUAL PULL STATION

ADA STROBE AND HORN DETAIL

ADA STROBE DETAIL

TYPICAL SLEEVE DETAIL FOR WALL/FLOOR PENETRATION

HEAT DETECTOR DETAIL

SMOKE DETECTOR DETAIL

TYPICAL DATA OUTLET DETAIL

EAST GENERATOR ELEVATION

GENERATOR PLAN

SOUTH GENERATOR ELEVATION

WEST GENERATOR ELEVATION

SCALE: 1/2" = 1'-0"