Appendix D

Environmental Education and Resiliency Center Drawings
# General Notes

1. ALL INTERIOR FINISHES ARE DESIGNED TO MEET OR EXCEED IBC BUILDING CODE REQUIREMENTS.
2. NO HANGING DEVICES ALLOWED IN WET LAB.
3. ALL EXTERIOR WINDOWS LOW E-NEUTRAL ARGON GLASS.
4. PROVIDE ‘TRUSS IDENTIFICATION SIGNS’ IN ACCORDANCE WITH NEW YORK STATE RULES AND REGULATIONS.
5. PROVIDE ‘ALLOWABLE HEIGHT AND BUILDING AREA’ TABLE ON THIS SHEET FOR INFORMATION.

## Minimum Number of Exits per Occupied Space

<table>
<thead>
<tr>
<th>Space</th>
<th>Total Occupant Load</th>
<th>Exit Access Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST FLOOR</td>
<td>300 SF / Person</td>
<td>2</td>
</tr>
<tr>
<td>BASEMENT</td>
<td>200 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>MECHANICAL ROOM</td>
<td>150 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>ELECTRICAL ROOM</td>
<td>100 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>MEETING ROOM</td>
<td>100 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>CONFERENCE ROOM</td>
<td>75 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>PROFESSIONAL CONSULTANT</td>
<td>75 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>RESTROOM</td>
<td>100 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>WET LAB</td>
<td>200 SF / Person</td>
<td>2</td>
</tr>
<tr>
<td>WET LAB</td>
<td>200 SF / Person</td>
<td>2</td>
</tr>
<tr>
<td>8 PERSONS</td>
<td></td>
<td></td>
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<td>14 PERSONS</td>
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<td></td>
</tr>
<tr>
<td>8 PERSONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 PERSONS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Fire-Resistance Rating Requirements for Building Elements

- All Emergency Egress Elements shall be required to be constructed with a minimum fire rating of 1 hour, as required by the IBC building code. See 'Allowable Height and Building Area' table on this sheet for information.

## Capacity of Exit Doors

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Fire-Rated</th>
<th>Door Swing</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot; x 80&quot;</td>
<td>Yes</td>
<td>Right</td>
</tr>
<tr>
<td>36&quot; x 80&quot;</td>
<td>Yes</td>
<td>Left</td>
</tr>
</tbody>
</table>

## Capacity of Stairs

<table>
<thead>
<tr>
<th>Stair Size</th>
<th>Fire-Rated</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot; x 80&quot;</td>
<td>Yes</td>
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</table>

## Minimum Number of Exits per Occupant Load

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<tr>
<th>Space</th>
<th>Occupant Load</th>
<th>Minimum Number of Exits</th>
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<td>FIRST FLOOR</td>
<td>300 SF / Person</td>
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<tr>
<td>BASEMENT</td>
<td>200 SF / Person</td>
<td>1</td>
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<td>MECHANICAL ROOM</td>
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<td>MEETING ROOM</td>
<td>100 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>CONFERENCE ROOM</td>
<td>75 SF / Person</td>
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</tr>
<tr>
<td>PROFESSIONAL CONSULTANT</td>
<td>75 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>RESTROOM</td>
<td>100 SF / Person</td>
<td>1</td>
</tr>
<tr>
<td>WET LAB</td>
<td>200 SF / Person</td>
<td>2</td>
</tr>
<tr>
<td>WET LAB</td>
<td>200 SF / Person</td>
<td>2</td>
</tr>
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</table>

## Exterior Bearing Walls

- Table 1020.1
- Table 1023.7
- Section 1010.1.1
- Section 1011.3
- Section 1011.5
- Section 1023.7

## Allowing Height and Building Areas

- Table 504.4
- Table 504.3
- Table 506.2
- Table 508.3.2
- Table 601

## Code Analysis Notes

- Building USG Classification
- Types of Construction
- Bearing Walls
- Non-Bearing Walls
- Construction Classification
- Building Area
- Exterior Bearing Walls

## Stair Requirements

- Section 1004
- Chapter 8
- Chapter 9

## Structural Engineer

- Structural Engineers

## Landscape Architects

- LANDSCAPE ARCHITECTS: Matrix New World Engineering, Land Surveying
- Professional is Illegal

## Other Information

- All Fire-Rated Walls Shall Maintain Continuous Fire Rating from Bottom of Wall to underside of Floor and Glass Panels Greater Than (9) SQ. FT. To Be Fully Tempered Safety Glass.

## Conclusion

- All Stairs Shall Have a Minimum Overhead Clearance of 8' and a Minimum Semicircular Path of Egress Travel Distance of 12'.

---

### Basement Floor Plan

- Total Travel Distance: 78'-0" < 200'

### First Floor Plan

- Total Travel Distance: 108'-0" < 200'
GENERAL ROOF NOTES:

1. THIS DRAWING SHOWS AS A LIST OF PRINCIPAL ROOF ITEMS AND AS A GUIDE TO CONTRACTORS FORESTAGING THE ROOF. THIS DRAWING IS NOT TO SCALE WITH ALL ITEMS SPECIFIED.

2. THE CONTRACTOR SHALL REVIEW, COORDINATE, AND MAINTAIN MIN. ROOF PITCH AS INDICATED ON PLAN.

3. PROVIDE CRICKETS BEHIND ALL ROOFING ITEMS TO PROVIDE REQUIRED PITCH.

4. INSTALL SLEEVES AND PENETRATIONS REQUIRED TO ACCOMMODATE ALL MECHANICAL PENETRATIONS.

5. ALL PENETRATIONS ARE SPECIFIED TO BE MADE IN THE GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE FOR ALL PORTIONS OF THE ROOF, THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.

6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY ROOF PROTECTION.

7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ICE AND WATER SHIELD UNDERNEATH ENTIRE STANDING SEAM METAL ROOFING SYSTEM.

8. PROVIDE ICE AND WATER SHIELD UNDERNEATH ENTIRE STANDING SEAM METAL ROOFING SYSTEM.

9. PROVIDE MIN. ROOF PITCH AS INDICATED ON PLAN.

10. ELECTRICAL DRAWINGS, AND SPECIFICATIONS.

11. THE GENERAL CONTRACTOR SHALL REVIEW, COORDINATE, AND INSTALL SLEEVES AND PENETRATIONS REQUIRED TO ACCOMMODATE ALL MECHANICAL PENETRATIONS.

12. THE GENERAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY ROOF PROTECTION.

13. PROVIDE ICE AND WATER SHIELD UNDERNEATH ENTIRE STANDING SEAM METAL ROOFING SYSTEM.

14. PROVIDE MIN. ROOF PITCH AS INDICATED ON PLAN.

15. PROVIDE CRICKETS BEHIND ALL ROOFING ITEMS TO PROVIDE REQUIRED PITCH.

16. ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL.

17. PROVIDE FLASHING AS REQUIRED, PRIME CONTRACTS (CONTRACT 'G' TO BE MOUNTED ON WALL BETWEEN LOWER AND UPPER EQUIPMENT.

18. PROVIDE FLASHING AS REQUIRED, PRIME CONTRACTS (CONTRACT 'G' TO BE MOUNTED ON WALL BETWEEN LOWER AND UPPER EQUIPMENT.

19. PROVIDE ICE AND WATER SHIELD UNDERNEATH ENTIRE STANDING SEAM METAL ROOFING SYSTEM.

20. ELECTRICAL DRAWINGS, AND SPECIFICATIONS.
1. Paint all exposed steel framing, spray on fireproofing, 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.
BUILDING ELEVATION NOTES:

1. FOR ALL WINDOWS DENOTED AS MUST REFER TO DETAIL 3/A5.1 FOR ADDITIONAL INFORMATION.
2. FOR ALL DOORS DENOTED AS MUST REFER TO DETAIL 4/A5.1 FOR ADDITIONAL INFORMATION.
3. ALL DRAWINGS MUST BE CONFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN SECTION 099000 OF THE SPECIFICATIONS.
4. ALL APPROPRIATE DETAILS TO BE INTOGRAPHIC.
5. FOAM-INSULATED WALL PANEL SYSTEMS MUST BE COMPLETELY PLANTED AND BRANCHED FOR ADAPTIVE INFORMATION.
6. PROVIDE METAL DRIP EDGE IN ACCORDANCE WITH ACI 301 FOR ALL EXPOSED AREAS OF CONCRETE.
7. PROVIDED MUST BE RECTANGULAR PROFILE DOOR IN ALL DRAWINGS MUST BE INCORPORATED.

REVIEWED BY:

LANDSCAPE ARCHITECTS:

CERTIFIED ARBORISTS +

LANDSCAPE ARCHITECTS:

PROJECT CONSULTANT:

PRESS VIEWER GLASS

SECTIONS APPROXIMATE LOCATION OF STRUCTURAL STEEL WALL, PANELED PANELS, glass-type fittings for connections to glass panels.

WALL PANEL TYPE 1

WALL PANEL TYPE 2

SYMBOLS

DESCRIPTION

- Electrical Box Metal Postings System
- Metal Panel Wall System
- Steel Panel Wall System
- Expanded Concrete
- Copper Concrete
- Granite Concrete
- Exterior Block Wall
- Pressure Painted Glass

APPENDIX-APPROX. EXTENTS OF CONCRETE FOUNDATIONS.

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FIG. (631) 694-4122

4TH FLOOR EAST

538 BROAD HOLLOW ROAD

MELVILLE, NY 11747

WWW.MATRIXNEWORLD.COM

LEGAL DISCLAIMER

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www.matrixneworld.com

ALUMINUM & GLASS DOOR

NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27962300

WBE / DBE / SBE

442 STATE ROUTE 35, SECOND FLOOR

MELVILLE, NY 11747

4TH FLOOR EAST

538 BROAD HOLLOW ROAD

MELVILLE, NY 11747
STANDING SEAM METAL

C

A5.2

A5.1

REFER TO DETAIL 3/A5.1
'S' DRAWINGS FOR INFORMATION, TYP.

WOODEN INFORMATION DISPLAY;
FOUNDATIONS AND GRADE BEAMS - SEE
INDICATES APPROX. EXTENTS OF
AND FRAME, PAINT, TYP.

ELEVATIONS
HOLLOW METAL DOOR

WOODEN INFORMATION DISPLAY;
FOUNDATIONS AND GRADE BEAMS - SEE
INDICATES APPROX. EXTENTS OF
AND FRAME, PAINT, TYP.

ELEVATIONS
HOLLOW METAL DOOR

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

N

3/16" = 1'-0"

4

4

East Elevation

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

N

3/16" = 1'-0"

4

4

West Elevation

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

N

3/16" = 1'-0"

4

4

East Elevation

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

N

3/16" = 1'-0"

4

4

Cast Aluminum Lettering.
SEE 'S' DRAWINGS FOR ADDITIONAL INFORMATION

BUILDING SECTION NOTES:

SCALE:
1" = 1'-0"

12" Ø TIMBER PILES; SEE 'S' DRAWINGS FOR ELEVATIONS LOCATIONS

STUDS AT 16" O.C.

NYSP-1503

PRK 4559

CONTRACT: D004472

WORK ORDER: LI-022

NYSP STATE PARK
HEMPSTEAD LAKE

STORAGE ROOM

Melville, NY 11747
442 State Route 35, Second Floor
Tel: 732-588-2999
Fax: 973-240-1818
www.matrixneworld.com

MATCHED GRADING

LIGHT GAUGE METAL FRAMING

ORTHOTILE® INSULATED ROOF PANEL

STRUCTURAL STEEL FRAMING (SEE 'S' DRAWINGS FOR ADDITIONAL INFORMATION)

 wipe margin
GENERAL STAIR NOTES
1. MINIMUM RISER HEIGHT IS 6" ACTUAL MINIMUM.
2. MINIMUM RISER DEPTH IS 10" EXCUSING EXPOSED STEEL TIPS.
3. PROJECT DEPTH IS 9" EXCUSING MINIMUM RISER DEPTH OF 9".
4. MINIMUM ALLOWABLE RISER HEIGHT TO BE BETWEEN 34" & 36".
5. COORDINATE STAIR HEIGHTS TO ACCOMMODATE FINISHED FLOOR ELEVATIONS AND FINISHES AT EACH LEVEL.
6. ALL CONNECTIONS TO BE WELDED AND GROUND SMOOTH UNLESS OTHERWISE INDICATED.
7. PRINT ALL HANDRAIL COMPONENTS & EXPOSED STEEL TIPS.
1. Maximum riser height 7" (Actual varies).
2. Minimum tread depth 9" (Exclusive of nosing (Actual varies).
3. Product obtained by multiplying height of riser by width of tread shall not be less than 70 or greater than 77.
4. Handrail: allowable height to be between 34" & 36". Provide 12" handrail extensions at top and bottom of stairs.
5. Coordinate stair heights to accommodate finished floor elevations and finishes at each level.
6. All connections to be welded and ground smooth U.N.O.
7. Paint all railing components & exposed steel. TOP.

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**6.** All connections to be welded and ground smooth U.N.O.

**7.** Paint all railing components & exposed steel. TOP.
CRITERIA.

1. PROVIDE ALL ACCESSORY CLAMPS/STAPLES REQUIRED FOR FINAL CONNECTION OF STOREFRONT TO STRUCTURAL STEEL. ANY TEMPORARY REASSEMBLY STRUCTURE AS REQUIRED BY MANUFACTURER FOR A COMPLETE INSTALLATION IS TO BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

2. ALL GLASS PANELS, PRISM PANELS, INTERIOR FACE OF FOUNDATION WALL BELOW (TYPICAL FOR ALL).

3. INTERIOR FACE OF STOREFRONT SYSTEM FRAME TO ALIGN WITH INTERIOR FACE OF STRUCTURAL InsULATED PANEL OR INTERIOR FACE OF FOUNDATION WALL BELOW (TYPICAL FOR ALL).

4. PROVIDE ALL NECESSARY CLIPS/FASTENERS REQUIRED FOR FINAL CONNECTION OF STOREFRONT TO STRUCTURAL STEEL.

5. PROVIDE STEEL IN FRAME AS REQUIRED TO MEET WIND LOADS DESIGNED BY MANUFACTURER.

6. PROVIDE ALL NECESSARY CLIPS/FASTENERS REQUIRED FOR FINAL CONNECTION OF STOREFRONT TO STRUCTURAL STEEL.

7. ALL SPANDREL PANELS TO BE 1" INSULATED OPAQUE PANELS. PANELS TO BE FINISHED ON EXPOSED SIDE(S).

8. ALL GLAZING TO BE 1" INSULATED GLASS.

9. INTERIOR FACE OF STRUCTURAL STEEL AND ADJUST DIMENSIONS ACCORDINGLY. ANY ADJUSTMENTS TO DIMENSIONS MUST BE NOTED ON SHOP DRAWING.

10. VERIFY ALL DIMENSIONS WITH FIELD CONDITIONS. COORDINATE OVERALL STOREFRONT DIMENSIONS WITH CONTRACT: D004472

11. WORK ORDER: LI-022

12. REVIEWED BY:

13. CHECKED BY:

14. DRAWN BY:

15. NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27962300

16. WBE / DBE / SBE

17. LANDSCAPE ARCHITECTS:

18. CERTIFIED ARBORISTS + ARCHITECTS:

19. PROGRAM CONSULTANT:

20. LEAD LANDSCAPE ARCHITECTS + ARCHITECTS:
### ROOM FINISH SCHEDULE

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>ROOM NAME</th>
<th>FLOOR</th>
<th>EAST</th>
<th>SOUTH</th>
<th>WEST</th>
<th>NORTH</th>
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<th>REMARKS</th>
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<tbody>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### GENERAL FINISH NOTES
1. All interior finishes are to meet or exceed the requirements of system parts of type.
2. See shop drawings for color notes, scripts, and actual types.
3. This schedule serves as a partial list of finish items and does not list all floor finishes available on site. See all contract documents, drawings, and specifications for full list of finishes and finish details.
4. Schedule notes that come to be installed in walls of closets, kitchens, and bathrooms.
5. Cement board is to be installed behind all tile walls.

#### ASSOCIATIONS
- GWP = Gypsum Wall Board
- PT = Paint
- EL = Elastomeric Paint
- SPS = Sheet Plastic
- CB = Cement Board
- ACP = Aluminum Composite Panel
- PVC = Polyvinyl Chloride
- PTFE = Expanded PTFE
- CFRP = Carbon Fiber Reinforced Plastic
- SBR = StyreButadiene Rubber
- RSP = Resin-Sand Plaster
- ACF = Acrylic Coated Fabric
- WV = Waterproofing
- SBS = Styrene-Butadiene-Styrene
- SGT = Silicone Gap Sealant
- LAM = Laminate
- NCR = Non-Corrosive Reinforcement
- GAP = Gap
- CONC = Concrete
- PIB = Polyisobutylene
- RUB = Rubber
- COP = Copper
- MTL = Metal
- WDO = Wood
- PTF = Polyvinyl Chloride
- PTFE = Expanded PTFE
- CPT = Composite Panel
- EPO = Epoxy
- PVC = Polyvinyl Chloride
- PP = Polypropylene

#### EXPANSION JOINT

1. Gypsum Wall Board Details
2. Typical Partition Intersection
3. Typical Metal Base Detail
4. Floor Transition Detail
BASEMENT SLAB PLAN

SLAB PLAN

SHEET TITLE

DATE: JULY 2017

PROJECT #: NYSP-1503

CONTRACT

LANDSCAPE ARCHITECTS:

CIVIL ENGINEERS + STRUCTURAL ENGINEERS:

LANDSCAPE ARCHITECTS:

CERTIFIED ARBORISTS + ARCHITECTS:

PROGRAM CONSULTANT:

Foundation Below Slab Level

Column Expansion Joint Details

Legend:

T.O.S. = Top of Slab
T.O.W. = Top of Wall
C.J. = Control Joint
S.O.G. = Slab on Grade
T.O.SH. = Top of Shelf

SLAB NOTES:

1. Extraneous shown Tools - 2.4m relative to finished first floor elevation (0')
3. Indicates 8" concrete slab on grade reinforced with R20 (R 3:1).

Provides 10" pre-molded expansion joint (and no protection of concrete slab on grade) 30" meets the foundation wall of the building.

Provide description of revision use if required

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Provide description of revision use if required
### COLUMN SCHEDULE

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<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>
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<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

### COLUMN SCHEDULE NOTES:

1. **Column Top**: Indicates top of column.
2. **Column Bottom**: Indicates bottom of column.
3. **See Column Schedule and Column Schedule Details** for column and footing details.
4. **See Typical Beam to Column Moment Connection** for details.
5. **All anchors shall be cast using 1-4/16 in. (3/4 in. non-metallic, non-shrink cement).**

### BASE PLATE SCHEDULE

<table>
<thead>
<tr>
<th>Mark</th>
<th>Width</th>
<th>Length</th>
<th>Thickness</th>
<th>Notes</th>
<th>Detailed</th>
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<tbody>
<tr>
<td>BP1</td>
<td>8&quot;</td>
<td>10&quot;</td>
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<td>1284</td>
<td>3</td>
</tr>
<tr>
<td>BP2</td>
<td>8&quot;</td>
<td>16&quot;</td>
<td>1/2&quot;</td>
<td>1285</td>
<td>3</td>
</tr>
<tr>
<td>BP3</td>
<td>10&quot;</td>
<td>12&quot;</td>
<td>1/2&quot;</td>
<td>1286</td>
<td>3</td>
</tr>
</tbody>
</table>

### COLUMN SCHEDULE DETAILS

- **Base Plate Type:** BP1
- **Flanges:** TYP.
- **Moment Plate:** TYP.

### COLUMN SCHEDULE NOTATIONS

1. **BASE PLATE**
   - **Type:** Base Plate
   - **Location:** [0'-0"
   - **BP2**

### COLUMN SCHEDULE & DETAILS

- **Column Schedule Notes:**
  - **Column Top:** Indicates top of column.
  - **Column Bottom:** Indicates bottom of column.

- **See Column Schedule and Column Schedule Details** for column and footing details.

- **See Typical Beam to Column Moment Connection** for details.

- **All anchors shall be cast using 1-4/16 in. (3/4 in. non-metallic, non-shrink cement).**

---

### Typical Beam to Column Moment Connection

- **Design Details:**
  - **Typical Beam to Column Moment Connection**
  - **Details:**
    - **Flanges:** TYP.
    - **Moment Plate:** TYP.

### Non-Moment Base Plate

- **Description:**
  - **Details:**
    - **Non-Moment Base Plate**
    - **Details:**
      - **Designation:** C
      - **Width 'W':**
      - **Mark:**
      - **Locations:**

---

### Non-Moment Base Plate 2

- **Description:**
  - **Details:**
    - **Non-Moment Base Plate 2**
    - **Details:**
      - **Designation:** C
      - **Width 'W':**
      - **Mark:**
      - **Locations:**

---

### Column Schedule & Details

- **COLUMN SCHEDULE NOTES:**
  - **Column Top:** Indicates top of column.
  - **Column Bottom:** Indicates bottom of column.

- **See Column Schedule and Column Schedule Details** for column and footing details.

- **See Typical Beam to Column Moment Connection** for details.

- **All anchors shall be cast using 1-4/16 in. (3/4 in. non-metallic, non-shrink cement).**
**SPLIT AIR CONDITIONING (AC) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>LOCATION</th>
<th>CONFIGURATION</th>
<th>REPLACEMENT</th>
<th>HEAT PUMP</th>
<th>DIMENSIONS</th>
<th>CFM (COP)</th>
<th>CAPACITY</th>
<th>VOLTAGE</th>
<th>INSTALL</th>
<th>MFR/AL, MODEL NO.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A11</td>
<td>VRU01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLO/00, 01</td>
<td></td>
</tr>
<tr>
<td>A11</td>
<td>VRU02</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLO/00, 01</td>
<td></td>
</tr>
<tr>
<td>A11</td>
<td>VRU03</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLO/00, 01</td>
<td></td>
</tr>
<tr>
<td>A11</td>
<td>VRU04</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLO/00, 01</td>
<td></td>
</tr>
</tbody>
</table>

**BRANCH CIRCUIT CONTROLLER (BCC) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>LOCATION</th>
<th>UNIT INFORMATION</th>
<th>UNIT ELECTRICAL</th>
<th>UNIT CONNECTED</th>
<th>MFR/AL, MODEL NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCC01</td>
<td>POWER CONTROLLER</td>
<td>NUMBER OF BRANCHES: 2, BRANCHES VIED: 2, DIMENSIONAL SIZE: 12 x 9 x 6, WEIGHT: 35 LBS, VOLTAGE: 208/240 V, HZ: 60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCC02</td>
<td>POWER CONTROLLER</td>
<td>NUMBER OF BRANCHES: 2, BRANCHES VIED: 2, DIMENSIONAL SIZE: 12 x 9 x 6, WEIGHT: 35 LBS, VOLTAGE: 208/240 V, HZ: 60</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**VRF CONDENSER (CU) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>LOCATION</th>
<th>REPLACEMENT</th>
<th>CAPACITY</th>
<th>UNIT ELECTRICAL</th>
<th>MFR/AL, MODEL NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C01</td>
<td>OUTSIDE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXHAUST FAN (EF) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRIC</th>
<th>CFM</th>
<th>SP</th>
<th>RPM</th>
<th>ARRANGEMENT</th>
<th>INSTALL</th>
<th>MFR/AL, MODEL NO.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E01</td>
<td>SERVING 208/240 V, 60 HZ</td>
<td>25</td>
<td>12</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ENERGY RECOVER UNIT (ERU) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ELECTRIC</th>
<th>DIA</th>
<th>DP</th>
<th>RPM</th>
<th>LOCATION</th>
<th>INSTALL</th>
<th>MFR/AL, MODEL NO.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U01</td>
<td>SERVING 208/240 V, 60 HZ</td>
<td>25</td>
<td>12</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FILTER BOX (FB) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>SERVICE</th>
<th>CFM</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
<th>ARRANGEMENT</th>
<th>FILTER</th>
<th>MFR/AL, MODEL NO.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>F01</td>
<td>SERVING 208/240 V, 60 HZ</td>
<td>25</td>
<td>12</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ELECTRIC UNIT HEATER (UH) SCHEDULE**

<table>
<thead>
<tr>
<th>UNIT NO.</th>
<th>ARRANGE</th>
<th>ELECTRIC</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
<th>MFR/AL, MODEL NO.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>UH01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TYPICAL CLEVIS HANGER SUPPORT

INDIVIDUAL PIPE HANGER ROD & SPACING SCHEDULE

PIPE SUPPORT DETAIL

DETIAL OF CONDENSATE DRAIN RECEIVER

TYPICAL METHODS OF SECURING HANGER RODS TO STRUCTURAL STEEL

CONCRETE PAD SUPPORT DETAIL
ALL SOLAR POWER EQUIPMENT TO BE MOUNTED ON WALL BETWEEN LOWER AND UPPER ROOF.

SUNPOWER SOLAR PHOTOVOLTAIC PANELS X21 SERIES 345 W.

OUTBACK POWER COMBINER PANELS (TYPICAL FOR 4)

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

NEMA 3R TAP BOX 16X16X4
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"C AT CEILING

2 CAT6 3/4"C

NOTE: CENTER ALL DEVICES IN CEILING TILE AS NECESSARY
DUAL ACTION MANUAL PULL STATION

NO SCALE

ADA STROBE AND HORN DETAIL

NO SCALE

ADA STROBE DETAIL

NO SCALE

TYPICAL SLEEVE DETAIL FOR WALL/FLOOR PENETRATION

NO SCALE

HEAT DETECTOR DETAIL

NO SCALE

SMOKE DETECTOR DETAIL

NO SCALE

TYPICAL DATA OUTLET DETAIL

NO SCALE

EAST GENERATOR ELEVATION

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

WEST GENERATOR ELEVATION

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

SOUTH GENERATOR ELEVATION

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