NCWCP PARK CENTER REPLACEMENT

WANNAMAKER COUNTY PARK, NORTH CHARLESTON, SC

ARCHITECT
GLICK/BOEHM & ASSOCIATES
493 KING STREET, SUITE 100
CHARLESTON, SOUTH CAROLINA 29403
843.577.6377

STRUCTURAL ENGINEER
ATLANTIC ENGINEERING
875 LOWCOUNTRY BLVD,
MT. PLEASANT, SC 29464
843.906.1337

MECHANICAL / ELECTRICAL / PLUMBING ENGINEER
DWG ENGINEERING
1009 ANNA KNAPP BLVD SUITE 200
MT. PLEASANT, SC 29464
843.849.1141

CIVIL ENGINEER & SURVEYOR
FORSBERG ENGINEERING & SURVEYING
1587 SAVANNAH HWY #B
CHARLESTON, SC 29407
843.571.2622

FOR
WANNAMAKER COUNTY PARK,
NORTH CHARLESTON, SC

CONSTRUCTION
NCWCP PARK CENTER REPLACEMENT
WANNAMAKER COUNTY PARK,
NORTH CHARLESTON, SC
FOR CHARLESTON COUNTY PARK & RECREATION COMMISSION

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CHECKED BY:
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DATE ISSUED FOR:
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PROJECT SCOPE
REDACE THE DESTROYED PARK CENTER BUILDING WITH THE SAME FOOTPRINT AND FINISHES AS THE ORIGINAL BUILDING. SCORING SYSTEM IS NOT LIMITED TO FULLY ADAPTED FOR RESIDENTIAL, SMALL-SCALE RENTAL, DATA CENTER, SMALL, START-UP OFFICE, AND ARTIST SPACE.

SPECIAL INSPECTIONS
☐ SPECIAL INSPECTIONS ARE REQUIRED
☐ SPECIAL INSPECTIONS ARE NOT REQUIRED

IF SPECIAL INSPECTIONS ARE REQUIRED, THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION TO ENSURE COMPLIANCE WITH THE SPECIFICATIONS AND CODES. THE OWNER SHALL PROVIDE, AT THEIR OWN COST, A LIST OF SPECIAL INSPECTIONS TO BE COMPLETED TO ENSURE THE ACTUAL REQUIREMENTS OF WORK SUBJECT TO SPECIAL INSPECTIONS FOR THIS PROJECT.

FLOOD HAZARD INFORMATION
FLOOD HAZARD AREA: N/A

SOILS & SITE
SOILS INVESTIGATION:

LEADERSHIP THROUGH ENERGY AND ENVIRONMENTAL DESIGN (LEED)
☐ NOT REQUIRED - LEED RATING WILL NOT BE PURSUED
☐ LEED RATING IS REQUIRED: RATING WILL BE "SLIDEP" - REFER TO SPECIFICATION SECTION 11.7 AND FOR THE ACTUAL, SCOPE OF WORK.

EROSION AND SEDIMENT REDUCTION / STORMWATER MANAGEMENT
☐ NOT REQUIRED - NO SITE WORK
☐ NOTE: SEE SITE PLAN FOR DESIGNER'S CERTIFICATION

BASIS PROJECT INFO
PROJECT NAME: NCWC PARK CENTER REPLACEMENT
PROJECT ADDRESS: 861 RIVERLAND DR.
OWNER REPRESENTATIVE: PROF. BLY.
REF. ADDRESS: 861 RIVERLAND DR.
OWNER: CHARLESTON COUNTY PARK & RECREATION COMMISSION
PROJECT MGR.: JOB NUMBER:
DATE ISSUED FOR:
CONSTRUCTION

BASE BUILDING CODE INFORMATION

CONSTRUCTION CLASSIFICATION
Type (BC 601)

OCCUPANCY GROUP (see note #1)

CONSTRUCTION PERIOD (see note #2)

BUILDING AREA

TOTAL DESIGN AREA OF BUILDING

BUILDING HEIGHT

AS DESIGNED

AS ALLOWED BY BC 601

Building With Attic

Building Without Attic

Building Height

FLOOR AREA

Built-Up Attic

Other

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED

Does building require mechanical use area separation?

Does building have Accessory Occupancy(s)?

Mixed Occupancy

Supervised

Other

BUILDING DESIGN & CODE INFORMATION

CONSTRUCTION PERIOD (see note #2)

OCCUPANCY GROUP (see note #1)

BUILDING REQUIREMENT TO ACCESSIBILITY

BUILDING REQUIREMENT TO ACCESSIBILITY

NO SITE WORK

861 RIVERLAND DR.
LEED RATING WILL NOT BE PURSUED.
SITE LOCATION MAP

N.T.S.

JOB NUMBER:

GLICK/BOEHM & ASSOCIATES, INC.

PROJECT MGR.:

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE ISSUED FOR:

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REV.

DATE

DESCRIPTION

C101

2123

CPS

LSM

LSM

2020

FOR CHARLESTON COUNTY PARK & CONSTRUCTION

11.7.2022

NCWCP PARK CENTER REPLACEMENT

TOPOGRAPHIC SURVEY

WANNAMAKER COUNTY PARK, NORTH CHARLESTON, SC

FOR CHARLESTON COUNTY PARK & RECREATION COMMISSION

FES 5907
NOTICE:

CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS. THIS PLAN DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING DIGGING OPERATIONS. CALL PALMETTO UTILITIES PROTECTION SERVICE AT 1-888-721-7877 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR’S EXPENSE. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.

CONSTRUCTION SEQUENCE:

1. RECEIVE LOCAL LAND DISTURBANCE PERMIT FROM NORTH CHARLESTON PUBLIC WORKS MS4 OFFICE.
2. PRE-CONSTRUCTION MEETING.
3. NOTIFY THE NCPW MS4 OFFICE AT (843) 745-1026 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
4. INSTALL PROTECTIVE TREE BARRICADES, PERIMETER SILT FENCE AROUND PROJECT SITE.
5. CONTACT THE NORTH CHARLESTON ZONING OFFICE AT 843-740-2627 FOR SCHEDULING AN INSPECTION OF TREE BARRICADES PRIOR TO STARTING WORK. ALSO CONTACT THE NCPW OFFICE FOR INSPECTION OF THE EROSION CONTROL DEVICES PRIOR TO STARTING WORK. NO WORK MAY BEGIN UNTIL TREE BARRICADES AND EROSION CONTROL DEVICES ARE APPROVED.
6. START SURFACE STRIPPING OF EXISTING TOPSOILS.
7. FINE GRADE SITE AND START INSTALLATION OF BUILDING.
8. INSTALL NEW CONCRETE & ASPHALT PAVEMENTS.
9. INSTALL VEGETATIVE STABILIZATION.
10. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED AND REPAIRED DURING COURSE OF ALL CONSTRUCTION WORK AND SHALL REMAIN IN-PLACE UNTIL CONCLUSION OF WORK. NO DEVICES SHALL BE REMOVED WITHOUT THE DIRECT WRITTEN APPROVAL OF THE DESIGN ENGINEER/SWPPP PREPARER AND APPROVAL OF THE NCPW MS4 OFFICE.
11. CONTRACTOR SHALL CONTACT THE NORTH CHARLESTON PUBLIC WORKS STORM WATER MS4 OFFICE OR A FINAL INSPECTION AFTER ALL WORK IS COMPLETED AND FINAL STABILIZATION HAS BEEN ACHIEVED. CONTACT THEM AT (843) 745-1026, ATTN. MERRY BARTON.
12. CONTRACTOR SHALL CONTACT THE NORTH CHARLESTON ZONING OFFICE AT 843-740-2627 FOR A FINAL INSPECTION AFTER ALL WORK IS COMPLETED AND LANDSCAPING HAS BEEN INSTALLED.

NOTE: MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.
NEW SITE PLAN

FOR CHARLESTON COUNTY PARK &
RECREATION COMMISSION
NORTH CHARLESTON, SC

NOTICE:
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NOTICE:

CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS. THIS PLAN DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING DIGGING OPERATIONS. CALL PALMETTO UTILITIES PROTECTION SERVICE AT 1-888-721-7877 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300. CONDUCT PRE-CONSTRUCTION PRE-RIGHTS OF WAY, CONSTRUCTION ACTIVITIES, AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF ANY CONSTRUCTION ACTIVITY. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT APPROVES AN ALTERNATIVE METHOD.

A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS MUST BE STABILIZED BEFORE WATER DISCHARGES, EROSION AND OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO STABILIZATION MEASURES SHOWN ON THE SWPPP. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.

THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE CONSTRUCTION ACTIVITY. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT APPROVES AN ALTERNATIVE METHOD.

APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.) SHALL BE CONNECTED TO THE SITE SWPPP AS APPROPRIATE. BMPs MUST BE CONNECTED TO THE SWPPP AS SHOWN ON THE SWPPP OR AS SHOWN ON A TRIANGLE OR OTHER APPROPRIATE CONTROL.

AFTER CONSTRUCTION ACTIVITY BEGINS, INSPECTIONS MUST BE CONDUCTED AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED AT LEAST TWICE ANNUAL INSPECTION Required BY THE DEPARTMENT IN ORDER TO CONTROL EROSION AND OFFSITE SEDIMENTATION. IF CONSTRUCTION ACTIVITY BEGINS, INSPECTIONS MUST BE CONDUCTED AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED AT LEAST TWICE ANNUAL INSPECTION REQUIRED BY THE DEPARTMENT IN ORDER TO CONTROL EROSION AND OFFSITE SEDIMENTATION.

PREFERRED ORDER OF BMPs TO BE CONSIDERED: Silt Fence, SWPPP, Sediment Basins, Erosion Control Equipment, Heel Water Control, Barriers, Vegetation, Topsoil, and Other BMPs as Required by the Department. BMPs Must Be Connected to the SWPPP As Shown On the SWPPP OR AS Shown On A Triangle Or Other Appropriate Control.
3. Anchor Bolts / Threaded Rods
2. Reinforcement Installation
1. Shallow Foundations

<table>
<thead>
<tr>
<th>Item</th>
<th>Special Inspection: Soils and Foundations</th>
<th>Special Inspection: Masonry</th>
<th>Special Inspection: Wood Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Design</td>
<td>Periodically inspect mixture proportions,</td>
<td>Periodically inspect</td>
<td>Periodically inspect</td>
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<tr>
<td>Air-content</td>
<td>and temperature (ASTM C231 or C173)</td>
<td>Concrete compressive</td>
<td>Mortar joints, including tooling and</td>
</tr>
<tr>
<td>Site setting</td>
<td>and supported on chairs or bolsters.</td>
<td>strength (ASTM C31 &amp; C39),</td>
<td>filling of head joints.</td>
</tr>
<tr>
<td>Soils below</td>
<td>Periodically inspect size, positioning of</td>
<td>slump (ASTM C143),</td>
<td></td>
</tr>
<tr>
<td>footings</td>
<td>anchor rods.</td>
<td>and compaction of fill.</td>
<td></td>
</tr>
<tr>
<td>Grouting</td>
<td>Periodically inspect sizes, layout,</td>
<td>Periodically inspect</td>
<td></td>
</tr>
<tr>
<td>Operations</td>
<td>bonding and placement of masonry units.</td>
<td>protection of masonry</td>
<td></td>
</tr>
<tr>
<td>Weather</td>
<td>Periodically inspect material grades.</td>
<td>during cold weather</td>
<td></td>
</tr>
<tr>
<td>Protection</td>
<td>Periodically inspect proportioning, mixing</td>
<td>Periodically inspect</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>and re-tempering of mortar and grout.</td>
<td>use of proper materials,</td>
<td></td>
</tr>
<tr>
<td>Anchorage</td>
<td>Periodically inspect material grades.</td>
<td>densities and lift</td>
<td></td>
</tr>
</tbody>
</table>

Special Inspection: Cast-in-Place Concrete

- Periodically inspect size, configuration, blocking and fastening of shearwalls, sheathing, roof decking and diaphragms. Verify material/panel grade and thickness.
- Periodically inspect framing and details to be in conformance with structural contract drawings and shop drawings. (100% inspection rate prior to concrete placement).
- Periodically inspect connections to be in compliance with approved submittals.
- Test compressive strength of mortar cube samples (ASTM C780).

Special Inspection: Masonry

- Periodically inspect size, grade and type of reinforcing.
- Inspect placement and consolidation of grout.
- Inspect proportioning, mixing and re-tempering of mortar and grout.
- Inspect mortar joints including tooling and filling of head joints.
- Inspect grout spaces to ensure minimum clear area requirements with grout (100% inspection rate prior to grouting).
- Sample and test mortar for every 5000 sq ft. of wall.
- Sample and test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air content (ASTM C231 or C173) and temperature (ASTM C1064).

Special Inspection: Wood Construction

- Periodically inspect volume and quality of grouting.
- Periodically inspect materials used are in compliance with approved submittals.
- Verify materials used are in compliance with approved submittals.
- Inspect removed portions of masonry to structural members, frames or other construction.
- Inspect protection of masonry during cold weather (temperature below 40 deg)
- Inspect placement, positioning and lapping of joint reinforcement.
- Inspect size, layout, bonding and placement of masonry units.
- Inspect mortar joints including tooling and filling of head joints.
- Inspect grout spaces to ensure minimum clear area requirements with grout (100% inspection rate prior to grouting).
- Sample and test mortar for every 5000 sq ft.
- Sample and test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air content (ASTM C231 or C173) and temperature (ASTM C1064).

GLICK/BOEHM & ASSOCIATES, INC.
DATE ISSUED FOR: PROJECT NUMBER:
S100
FOR CHARLESTON COUNTY PARK & RECREATION COMMISSION
11.07.2022
Atlantic Engineering, LLC         875 Lowcountry Blvd, Suite 210
Mount Pleasant, SC 29464             www.AtlanticEngineering.net
MCC
NORTH CHARLESTON, SC
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GENERAL NOTES & TYPICAL DETAILS
GENERAL CEILING PLAN NOTES

1. Refer to Sheet A000 for General Project Notes.
2. Refer to Elevations & Sections for additional information.
3. Refer to Finish Legend and Finish Schedule for ceiling types and materials.
4. Coordinate reflected ceiling plans with electrical, mechanical, structural, and room finish schedules.
5. In the case of minor discrepancies in the location of ceiling mounted components, the reflected ceiling plan shall govern.
6. In the case of major discrepancies, the architect shall be notified prior to proceeding with the work.
7. Contractor is responsible for requirements of CISC A guidelines for seismic restraint and IBC Chapter 16. Contractor is responsible for meeting all applicable provisions of the standards. In case of conflict, the more stringent requirement shall prevail.
8. Refer to Sheet A140 for finish schedule and legend for ceiling types and materials.

SCALE: 1/4" = 1'-0"
ROOF PLAN NOTES

1. REFER TO SHEET A000 FOR GENERAL PROJECT NOTES.
2. REFER TO SHEET A530 FOR ROOF DETAILS.
3. REFER TO ELEVATIONS & SECTIONS FOR ADDITIONAL INFORMATION.
4. IN THE ABSENCE OF DETAIL FOR ANY CONDITION ON THE ROOF, THE MOST STRINGENT CONDITION OF THE CURRENT NRCA/SMACNA SHALL APPLY.
5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY AND ALL ROOF PENETRATIONS. PENETRATIONS INCLUDING BUT AREN'T LIMITED TO VENTS THROUGH ROOF, EXHAUSTS AND OTHERS.
6. REFER TO SHEET A530 FOR ROOF DETAILS.

SCALE: 1/4" = 1'-0"
## General Finish Notes

### Floor Walls Ceiling

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<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
<td>T &amp; G BEADBOARD</td>
<td>PNT-3</td>
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<tr>
<td>102</td>
<td>JANITOR/CHASE CONC. SFC</td>
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<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
<td>PLYWOOD</td>
<td>PNT-3</td>
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<tr>
<td>103</td>
<td>WOMENS CONC. SFC</td>
<td>CTB</td>
<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
<td>CMU PNT-2</td>
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<td>FAMILY RESTROOM CONC. SFC</td>
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<td>CMU PNT-2</td>
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<td>PLYWOOD</td>
<td>PNT-3</td>
</tr>
<tr>
<td>106</td>
<td>BIKE REPAIR &amp; STORAGE CONC. SFC</td>
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<td>PLYWOOD</td>
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<td>PLYWOOD</td>
<td>PNT-3</td>
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<td>108</td>
<td>STORAGE/ OFFICE CONC. SFC</td>
<td>CTB</td>
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<td>CMU PNT-2</td>
<td>PLYWOOD</td>
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<td>110</td>
<td>CONC. SFC</td>
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<td>CMU PNT-2</td>
<td>PLYWOOD</td>
<td>PNT-3</td>
</tr>
</tbody>
</table>

### Painting Notes

1. Refer to manufacturer's printed installation instructions for surface and ambient temperature and humidity limits and other information.
2. Refer to exterior material schedule for exterior color selections.
3. All colors indicated to be verified & mocked-up for approval.
4. All factory primed Hardie panels and trim to be re-primed as indicated below.
5. Soffits and porch ceilings to be satin sheen.
6. Hollow metal doors & frames to be semi-gloss sheen.
11. Toilet partitions: Bradley Series, 310T - Gamer resistant finish - finish sample to be submitted to design team for approval.
12. All exposed pipes, ductwork and grilles shall match color of adjacent wall, ceiling or door surface.

### Finish Material Legend

<table>
<thead>
<tr>
<th>Material Tag</th>
<th>Description</th>
<th>Manufacturer</th>
<th>Product Name</th>
<th>Product Color / Installation Format / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOOR FINISHES</td>
<td>Lightweight</td>
<td>SHERWIN WILLIAMS</td>
<td>PRO INDUSTRIAL WATER-BASED ALKYD URETHANE</td>
<td>TBD SAMPLE TO BE SUBMITTED TO DESIGN TEAM FOR APPROVAL</td>
</tr>
<tr>
<td>BASE &amp; TRIM FINISHES</td>
<td>DURABLE TEXTURE</td>
<td>CROSSVILLE TILE</td>
<td>4&quot; HIGH, COLOR TB D</td>
<td>TBD SAMPLE TO BE SUBMITTED TO DESIGN TEAM FOR SELECTION</td>
</tr>
</tbody>
</table>

### General Finishes

- Lightly sand between coats.
- STC Floor Coating: SaintiGuard TBD Color Sample to be submitted to design team for approval.
- Hollow metal doors & frames to be semi-gloss sheen.
- Exterior concrete masonry units (PNT-3; not treated with Rain Guard): Primer: S-W LOXON Waterproofing Masonry Coating, LX11 - 2 coats: S-W Duration Exterior Latex - TBD color sample to be submitted to design team for approval.
- Plywood & Plywood T&G ceilings (PNT-5): Primer: S-W Exterior Oil-Based Wood Primer, TP to be shop preprimed.
- Toilet partitions: Bradley Series, 310T - Gamer resistant finish - finish sample to be submitted to design team for approval.
- All exposed pipes, ductwork and grilles shall match color of adjacent wall, ceiling or door surface.

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**NCWCP PARK CENTER REPLACEMENT**

*FOR CHARLESTON COUNTY PARK & RECREATION COMMISSION*

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1 NORTH ELEVATION

ADD 4" HIGH ADDRESS

2 SOUTH ELEVATION

HARDIE PANEL, WITH 1X2 BATTENS, REFER TO EXTERIOR FINISH SCHEDULE

ASYMMETRICAL ROOF, REFER TO STRUCTURAL AND LAYOUT

POLISHED CMU, REFER TO EXTERIOR FINISH SCHEDULE

SPLIT FACING CMU, REFER TO EXTERIOR MATERIAL SCHEDULE

POLISHED CMU, REFER TO EXTERIOR MATERIAL SCHEDULE

ASPHALT ROOF SHINGLE, REFER TO EXTERIOR MATERIAL SCHEDULE

HARDIE PANEL WITH 1X2 BATTENS, REFER TO EXTERIOR FINISH SCHEDULE

LEGEND & SYMBOLS

GRAPHIC SCALE
INTERIOR ELEVATION NOTES

1. All dimensions on interior sheets are from face of finish to face of finish, U.O.N.
2. Contractor to coordinate locations of additional penetrations through walls and floors not indicated on architectural drawings re: mechanical, plumbing, and electrical. Refer to structural for lintel or framing requirements.
3. Refer to A100 for equipment schedule.
4. Refer to A140 for interior fins, schedules, and finish legend.
5. Refer to A600 for additional door and storefront information.

SCALE: 1/2" = 1'-0"
**GENERAL ROOF NOTES**

1. In the absence of detail for any condition on the roof, the most stringent condition of the current NRCA/SMACNA shall apply.
2. All clarifications or additional information needed shall be in accordance with the criteria and details of the NRCA Roofing and Waterproofing Manual and SMACNA Architectural Sheet Metal Manual. Any deviations from the specified or indicated requirements shall be submitted for approval by the architect prior to installation.
3. Follow recommendations for lapping of the metal underlaymen over flashing.
4. Refer to section details for fascia profile.
5. Locate all fasteners within 1/2" of the edge of the flashing.
6. Adjust the tapered insulation according to the actual curb placement.
7. Provide cricket at all rooftop equipment locations running perpendicular to the roof slope that exceed 24 inches wide.
8. Prefabricate flashing corners and ends with minimum 18 inch returns.
9. Provide concealed joint cover plate in flashing with 12 inch wide splice sheet centered on seam. Apply two rows of butyl tape each side of joint and provide sealant at sides.
10. All sheet metal terminations to have hemmed edges. No exposed cut edges.
11. Add additional layer of roofing membrane below low slope roof where water sheet drains from high to low.
12. Provide stainless steel flashing material at location where water sheet drains from high to low.
### DOOR & FRAME SCHEDULE

<table>
<thead>
<tr>
<th>TAG</th>
<th>CODE</th>
<th>TYPE</th>
<th>SIZE</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>FINISH</th>
<th>GLAZING</th>
<th>HARDWARE SET</th>
<th>NOTES</th>
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<tbody>
<tr>
<td>110</td>
<td>ED3</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>0'-2&quot;</td>
<td>HM</td>
<td>PNT</td>
<td>--</td>
<td>HM1 HM PNT-</td>
<td>4</td>
</tr>
<tr>
<td>105</td>
<td>D1</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>0'-2&quot;</td>
<td>HM</td>
<td>PNT</td>
<td>--</td>
<td>HM1 HM PNT-</td>
<td>4</td>
</tr>
<tr>
<td>103</td>
<td>ED1</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>0'-2&quot;</td>
<td>FG</td>
<td>PNT</td>
<td>G-4</td>
<td>ASF1 ALUM ANODIZ ED</td>
<td>1</td>
</tr>
<tr>
<td>102</td>
<td>ED1</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>0'-2&quot;</td>
<td>FG</td>
<td>PNT</td>
<td>G-4</td>
<td>ASF1 ALUM ANODIZ ED</td>
<td>1</td>
</tr>
<tr>
<td>101</td>
<td>ED1</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>0'-2&quot;</td>
<td>FG</td>
<td>PNT</td>
<td>G-4</td>
<td>ASF1 ALUM ANODIZ ED</td>
<td>1</td>
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<tr>
<td>107B</td>
<td>ED2</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>0'-2&quot;</td>
<td>FG</td>
<td>PNT</td>
<td>G-2</td>
<td>HM1 HM PNT-</td>
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</tbody>
</table>

### SCALE
1/4" = 1'-0"

### TYPE ELEVATIONS - STOREFRONT WINDOW FRAMES

- **DOOR HEIGHT**
  - 3'-0" (107A, 107B)
  - 2'-4" (101, 102, 103, 105)
  - 1'-8" (106A, 110)

- **HOLLOW METAL**
  - 1'-8" (106A, 110)
  - 2'-4" (101, 102, 103, 105)
  - 3'-0" (107A, 107B)

- **ALUMINUM STOREFRONT**
  - 1'-8" (106A, 110)
  - 2'-4" (101, 102, 103, 105)
  - 3'-0" (107A, 107B)

### TYPE ELEVATIONS - DOOR FRAMES

- **DOOR HEIGHT**
  - 3'-0" (107A, 107B)
  - 2'-4" (101, 102, 103, 105)
  - 1'-8" (106A, 110)

### TYPE ELEVATIONS - DOOR FRAMES

- **DOOR HEIGHT**
  - 3'-0" (107A, 107B)
  - 2'-4" (101, 102, 103, 105)
  - 1'-8" (106A, 110)

### TYPE ELEVATIONS - STOREFRONT WINDOW FRAMES

- **DOOR HEIGHT**
  - 3'-0" (107A, 107B)
  - 2'-4" (101, 102, 103, 105)
  - 1'-8" (106A, 110)

### FLASING NOTES

- **TYPE:** GL
  - 1.5/16" INSULATED, LOWE IMPACT GLAZING
  - 1.5/16" INSULATED, LOWE IMPACT GLAZING
  - 1.5/16" INSULATED, LOWE IMPACT GLAZING
  - 1.5/16" INSULATED, LOWE IMPACT GLAZING

- **NOTES:**
  - BLADE LOUVER
  - OVER STRUCTURE, TYP.
  - BRAKE METAL COVER
  - STEP FLASHING
  - INSTALLATION INSTRUCTIONS

### GLAZING TYPES

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SIZE</th>
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<tbody>
<tr>
<td>GL-1</td>
<td>1 5/16&quot; INSULATED, LOWE IMPACT GLAZING</td>
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<tr>
<td>GL-2</td>
<td>1 5/16&quot; INSULATED, LOWE IMPACT GLAZING</td>
</tr>
<tr>
<td>GL-3</td>
<td>1 5/16&quot; INSULATED, LOWE IMPACT GLAZING</td>
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### FLASHING DETAILS

- Minimum flashing thickness: .032"
- When possible, flashing is to be continuous, joints to be overlapped a minimum of 4" and sealed with sealant. Sealant first, then darker color.
- Exposed edges of all flashing types are to be hemmed except where provided by manufacturer.
- 7 MINIMUM FLASHING THICKNESS TO BE .032"
MECHANICAL SYSTEMS SEISMIC AND WIND REQUIREMENTS
PER IRC-2008/ASCE 7-16

A. REFER TO THE INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING ANY RELATED SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 11 OF THE CODE.

B. EXTERIOR EQUIPMENT (INCLUDING ROOF CURBS, RAILES, SUPPORTS EXPOSED TO WIND) SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTER 26 TO 29 OF ASCE 7-14.

C. WHERE DESIGNS FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.

D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.

E. USE THE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.

F. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL REGISTERED IN THE STATE THE JOB IS LOCATED. SUBMITTALS MUST INCLUDE STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.

G. WHERE SEISMIC RESTRAINT IS REQUIRED: HOUSEKEEPING PASSED PRIOR TO THE RECEIPT OF THE APPROVED SUBMITTAL.

H. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BLD MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

MECHANICAL COMPONENT IMPORTANCE FACTOR (Ic) DESIGNATION

<table>
<thead>
<tr>
<th>Ic = 1.0</th>
<th>Ic = 1.5</th>
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<tbody>
<tr>
<td>COMPONENT IDENTIFICATION</td>
<td>SEISMIC RESTRAINT REQUIREMENT</td>
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<tr>
<td>ROOF MOUNTED</td>
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<tr>
<td>SUSPENDED PIPE / DUCT</td>
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MECHANICAL CODES AND STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

GENERAL HVAC NOTES

1. THE SHEETS SHOW THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, DUCTWORK, PIPING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR Coordinating THE INSTALLATION OF ALL SUPPORTS AND FITTINGS AS REQUIRED.

2. COORDINATE WORK WITH AUTHORITY HAVING JURISDICTION AND OBTAIN ALL PERMITS AND INSPECTIONS.

3. AT THE JOB SITE, ALL CONSTRUCTION MUST BE CONFORM TO THE SPECIFICATIONS.

4. THE HEAT, VENTILATING AND AIR CONDITIONING SYSTEMS SHALL COMPLY WITH THE CODES LISTED ON THIS SHEET AS WELL AS ALL LOCAL CODE OFFICIAL REQUIREMENTS.

5. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH PRESCRIBED CLEARANCES FOR SERVICE AND MAINTENANCE AS FULLY AS POSSIBLE.

6. PROVIDE CURVED RADIUS ELBOWS AT FIRST SUPPLY & RETURN FITTING FOR ALL HVAC UNITS.

7. PROVIDE TURNSING VANES IN ALL 90 DEGREE ELBOWS IN ALL RECTANGULAR DUCTWORK (X" = WIDTH, Y" = HEIGHT).

8. PROVIDE FLEXIBLE CONNECTIONS AT ALL JUNCTIONS.  PROVIDE FLEXIBLE CONNECTIONS AT ALL JUNCTIONS.

9. PROVIDE FLEXIBLE CONNECTIONS AT ALL JUNCTIONS.  PROVIDE FLEXIBLE CONNECTIONS AT ALL JUNCTIONS.

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50. PROVIDE FLEXIBLE CONNECTIONS AT ALL JUNCTIONS.  PROVIDE FLEXIBLE CONNECTIONS AT ALL JUNCTIONS.
DUCT TRANSITION SIZE UP INTO THE ROOF TRUSS SPACE. SEE STRUCTURAL DRAWINGS FOR TRUSS SPACING.
COORDINATE DUCT MAIN SIZE WITH ROOF TRUSS DESIGN AND MAXIMUM OPENING SIZE.
ROUTE CABLE-OPERATED BALANCING DAMPERS FOR THE SNACK BAR, STORAGE/Office, AND BIKE REPAIR TO AN ACCESSIBLE LOCATION IN THIS CLOSET. PROVIDE LABELED CABLES WITH A DIAGRAM CORRESPONDING TO THE AIR DEVICE THEY SERVE.
ROUTE CABLE-OPERATED BALANCING DAMPERS FOR THE MENS, WOMENS, FAMILY RESTROOM, AND JANITOR TO AN ACCESSIBLE LOCATION IN THIS ROOM. PROVIDE LABELED CABLES WITH A DIAGRAM CORRESPONDING TO THE AIR DEVICE THEY SERVE.
LOUVERED DOOR GRILLE TO BE PROVIDED BY THE G.C. SEE ARCHITECTURAL DRAWINGS.
MAINTAIN THE MINIMUM ACCESS LANE INDICATED BETWEEN THE EXTERIOR WALL AND VERTICAL DUCT FOR ACCESS TO UNIT MAINTENANCE PANELS LOCATED BETWEEN THE SUPPLY AND RETURN DUCTS.
ROUTE HVAC CONDENSATE TO A DRAIN PIT LOCATED OUTSIDE THE ENCLOSURE FENCE.
MOUNT THE REMOTE CONDENSER FOR THE ICE MACHINE IN THIS LOCATION PER THE MANUFACTURER’S INSTRUCTIONS. ORIENT THE UNIT SO THE AIRFLOW IS DIRECTED AWAY FROM THE BUILDING. ICE MACHINE AND CONDENSER ARE OWNER PROVIDED. PROVIDE A 2" WALL SLEEVE FOR THE REFRIGERANT LINE PIERCING.
SUPPLY/EXHAUST GRILLE LOCATED IN THE ATTIC SPACE FOR AIR MOVEMENT AND SEMI-CONDITIONING.
ELECTRICAL SERVICE GENERAL NOTES:

1. CONTRACTOR SHALL, BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH DIGGING, CONCRETE, AND INSTALLATION OF MEDIUM VOLTAGE UTILITY SWITCHGEAR LOCATED APPROXIMATELY 60'-0" FROM NEW TRANSFORMER LOCATION.

2. NEW, CONTRACTOR PROVIDED METER STAND SHALL BE CONSTRUCTED OF STAINLESS STEEL, UNISTRUT AND PROVIDED WITH A CONCRETE SUPPORT BASE.

3. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED ELECTRICAL COMPONENTS TO MEET UTILITY COMPANY REQUIREMENTS.  CONTRACTOR SHALL PROVIDE ALL ELECTRICAL MATERIALS.

4. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED ELECTRICAL COMPONENTS TO MEET UTILITY COMPANY REQUIREMENTS.

5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED ELECTRICAL COMPONENTS TO MEET UTILITY COMPANY REQUIREMENTS.

6. SERVICE DISCONNECTS SHALL BE MARKED AND IDENTIFIED IN ACCORDANCE WITH UTILITY SERVICE REQUIREMENTS.

7. PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS IF METAL RACEWAY IS USED, SIZE AS A GEC [250.80]. THIS INCLUDES RIGID STEEL CONDUIT, TYPE THHN OR OTHER EQUIVALENT, OR CONDUIT.

8. PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS IF METAL RACEWAY IS USED, SIZE AS A GEC [250.80]. THIS INCLUDES RIGID STEEL CONDUIT, TYPE THHN OR OTHER EQUIVALENT, OR CONDUIT.

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GROUNDING LEGEND:

- GROUNDING SCREW
- HINGE SCREW
- MOUNTING SCREW
- SCREW
- CAP
- PLATE
- CONNECTOR
- CONDUCTOR
- BRESK-OF-GROUND-CABLE
- CABINET
- PANEL
- WALL BOX
- RECEPTACLE
- WIRING
- CABLE
- CONDUIT
- RACEWAY
- BLOK
- RUPTOR
- SHOP NUMBER
- JOB NUMBER
- DRAWN BY
- CHECKED BY
- APPROVED BY
- DATE ISSUED FOR

GROUNDING NOTES:

1. NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.

2. ALL UNDERGROUND OR OTHERWISE ACCESSIBLE GROUNDING CONNECTIONS AND SPUGS SHALL BE EXTERNALLY VISIBLE [250.84].

3. GROUND ELECTRICAL SYSTEMS FOR SEPARATELY DERIVED SYSTEMS SHALL BE THE NEAREST METAL WATER PIPE OR STRUCTURAL METAL. IF EITHER IS NOT AVAILABLE, PROVIDE GROUNDING CONDUCTOR WHICH MATCHES THE SIZE OF THE ELECTRICAL SYSTEM USED TO PROVIDE GROUNDING [250.80].

4. GROUND ELECTRICAL SYSTEMS FOR SEPARATELY DERIVED SYSTEMS SHALL BE THE NEAREST METAL WATER PIPE OR STRUCTURAL METAL. IF EITHER IS NOT AVAILABLE, PROVIDE GROUNDING CONDUCTOR WHICH MATCHES THE SIZE OF THE ELECTRICAL SYSTEM USED TO PROVIDE GROUNDING [250.80].

5. GROUNDING CONDUCTOR BACK TO MAIN GROUND BUS AT SERVICE ENTRANCE.

6. HINGE SCREWS SHALL BE PROVIDED AT NOT LESS THAN 12' (144") APART.

7. PROVIDE SELF-GROUNDING RECEPACLES, OR BOND BOX USING LISTED CLIP OR GROUNDING SCREW, DO NOT USE SHEET METAL SCREW [250.62(A)(4)].

8. PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS IF METAL RACEWAY IS USED, SIZE AS A GEC [250.80]. THIS INCLUDES RIGID STEEL CONDUIT, TYPE THHN OR OTHER EQUIVALENT, OR CONDUIT.

9. PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].

10. PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].
FIRE ALARM SINGLE-LINE NOTES

1. PROVIDE TWO FIRE ALARM TELEPHONE CABLES IN 1 3/8" EMT TO THE COMMUNICATIONS BOARD.
2. PROVIDE SURGE PROTECTIVE DEVICES FOR ALL INCOMING POWER CONNECTIONS TO THE ALARM CONTROL PANEL, POWER SUPPLIES, AND BATTERY SYSTEMS.
3. PROVIDE ALL REQUIRED PROGRAMMING, MODIFICATIONS, SOFTWARE, AND HARDWARE AS REQUIRED AT THE FIRE ALARM SYSTEM.

LIGHT FIXTURE PLAN KEY

A: UPPER CASE LETTER / NUMBER INDICATES FIXTURE TYPE
B: LOWER CASE LETTER INDICATES SWITCH IDENTIFICATION
P: INDICATES NON-FIRE CREATED LIGHT FIXTURE

LIGHT CONTROL SCHEME

LIGHTING CONTROL SYMBOLS CORRELATE WITH DESIGN CONTROL SCHEME AS INDICATED IN THE LIGHTING CONTROL SCHEME SCHEDULE.

DAS REPEATER DETAIL

PROVIDE TWO DAS REPEATER BACKPLATES.

TRANSMITTER/ RECEIVER LOCATIONS

ADDRESSABLE INITIATING DEVICES NOTIFICATION STROBES/HORNs

COMMUNICATIONS BACKBOARD

PROVIDE TWO DAS JACKS.

PARTIAL FIRE ALARM RISER DIAGRAM

SCALE NOT TO SCALE

FIRE ALARM SYSTEM GENERAL NOTES

1. SEE FLOOR PLANS FOR INTENDED COVERAGE OF FIRE ALARM SYSTEM.
2. THE FOLLOWING SHALL OCCUR UPON ACTIVATION OF ANY INITIATING DEVICE:
   A) SOUND ALL AUDIBLE DEVICES (CHIMES, HORNS, BELLS, ETC.) THROUGHOUT THE ENTIRE FACILITY.
   B) ALARM A CENTRAL STATION ALARM REPORTING SERVICE VIA A DEDICATED TELEPHONE LINE.
   C) PROVIDED STATION A周り SIGNAL ALARM AT FACILITY.
   D) PROVIDE BATTERY AND VOLTAGE DROP CALCULATIONS TO DESIGN ENGINEER TO DETERMINE MINIMUM VOLTAGE REQUIRED TO POWER ALARM SYSTEM.
3. INITIATING DEVICES SHALL BE SMOKE DETECTORS, DUCT- MOUNTED SMOKE DETECTORS, AND MANUAL PULL STATIONS.
4. PROVIDE BATTERY AND VOLTAGE DROP CALCULATIONS TO DESIGN ENGINEER TO DETERMINE MINIMUM VOLTAGE REQUIRED TO POWER ALARM SYSTEM.
5. THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE OWNER AND LOCAL FIRE BRIGADE, REGULATING THE REQUIRED CABLE/CONDUIT ASSEMBLY. FOR EACH REQUIRED ZONE.
6. ALL SYSTEM WIRING SHALL BE CLASS B, NO T-TAPPING IS PERMITTED.
7. PROVIDE BATTERY AND VOLTAGE DROP CALCULATIONS TO DESIGN ENGINEER TO DETERMINE MINIMUM VOLTAGE REQUIRED TO POWER ALARM SYSTEM.
8. THE LOCATION OF THE BRANCH CIRCUIT DETECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE CONTROL UNIT, THIS INFORMATION WILL BE INCLUDED IN THE PROJECT CONTRACT DOCUMENTS.
9. PROVIDE TWO DAS REPEATER BACKPLATES.
10. THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE OWNER AND LOCAL FIRE BRIGADE, REGULATING THE REQUIRED CABLE/CONDUIT ASSEMBLY. FOR EACH REQUIRED ZONE.

LIGHT FIXTURE SCHEDULE

SHADING INDICATES EMERGENCY FIXTURE SUPPLIED WITH EMERGENCY BATTERY BACKUP.
A = UPPER CASE LETTER / NUMBER INDICATE FIXTURE TYPE
B = LOWER CASE LETTER INDICATES SWITCH IDENTIFICATION
P = INDICATES NON-FIRE CREATED LIGHT FIXTURE

LIGHT CONTROL SCHEME

LIGHTING CONTROL SYMBOLS CORRELATE WITH DESIGN CONTROL SCHEME AS INDICATED IN THE LIGHTING CONTROL SCHEME SCHEDULE.
KEYNOTES

1. PROVIDE MAGNETIC CONTACT SWITCH FOR AUTOMATIC LIGHTING CONTROL FOR STORAGE AND IT CLOSETS.

2. PROVIDE A LIGHTING CONTROLLER WITH EXTERIOR MOUNTED PHOTOCONTROL AND TIME CLOCK.

3. PROVIDE AN INTERMITTENT STROBE FOR OVERHEAD. COORDINATE EXTERIOR LIGHTING SCHEDULE WITH OWNER AND ENGINEERING TIME CLOCK.

4. COORDINATE SCHEDULE WITH OWNER AND ENGINEERING TIME CLOCK FOR CONTROL OF CANOPY LIGHTING.

5. PROVIDE DUCT SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS FOR DOUGLAS MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL DUCT SMOKE DETECTORS AND ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL CONNECTION TO FIRE ALARM SYSTEM.

6. PROVIDE MAINTENANCE LIGHTING AND LIGHT SWITCH IN ATTIC. LOCATE LIGHTING IN ORDER TO ILLUMINATE THE ATTIC SPACE. PROVIDE CONTACTOR TO AUTOMATICALLY TURN LIGHTS ON AND OFF TO MAINTAIN CONFORMITY WITH ENGINEERING IN THE Attic TO ENSURE LIGHTING IS NOT BLOCKED OR RENDERED INEFFECTIVE BY THE PLACEMENT OF DUCTWORK OR ANY OTHER COMPONENTS LOCATED IN THE ATTIC. PROVIDE POWER FROM NEAREST LIGHTING CIRCUIT.

GENERAL NOTES

1. ALL EXPOSED CONDUIT SHALL BE IMC AND PAINTED TO MATCH INSTALLATION LOCATION.

2. ALL RECEPTACLE BOXES, SWITCH HOUSINGS, AND DATA GANG BOXES SHALL BE ROUGHED-IN FLUSH WITH CMU WALLS.

3. EXTERIOR LIGHTING SHALL BE SERVED FROM PANEL 'MDP'.
Provide (2) pedestal-mounted weatherproof receptacles for connection to food truck. See power plan for additional details.

Provide (2) 2" Schedule 40 PVC conduits to new IT closet for fiber interconnection.

Provide (1) 2" underground conduit to handhole for fiber optic connection.

Provide (2) 2" empty conduits, each with pull string, from MDP to handhole for future EV charging station power supply.

Coordinate location of new pad-mounted transformer with utility coordinate location with owner prior to installation.

Coordinate location of new pad-mounted transformer with utility.
GENERAL PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR A COMPLETE PLUMBING SYSTEM.
2. DO NOT POUR LIQUIDS OR GASES OR USED FOR SMOKE CONTROL.
3. PROVIDE COMPONENT CERTIFICATION AT TIME OF INSTALLATION OR SUPPLEMENTARY INFORMATION REQUIRED.
4. PROVIDE SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.
5. PROVIDE CERTIFICATES OF FINAL INSPECTION FROM AUTHORITY HAVING JURISDICTION.
6. PROVIDE SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.
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## PLUMBING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>MARK</th>
<th>FIXTURE TYPE</th>
<th>FIXTURE DESCRIPTION</th>
<th>HOT WATER</th>
<th>COLD WATER</th>
<th>WASTE</th>
<th>VENT</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FD</td>
<td>FLOOR DRAIN WITH FUNNEL</td>
<td>COLLECTOR/FRAME WITH SOCKET/BLOCK OFF LEAD, BUCKET, BOTTOM OUTLET, 3 1/2 IN. ROUND ADJUSTABLE NOZZLE, BRONZE STAINLESS WITH FUNNEL</td>
<td>--</td>
<td>3/4</td>
<td>3</td>
<td>ZOERN</td>
<td>24130</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>FLOOR SINK</td>
<td>SUBFLOORED P-TRAP, BRASS AND GALVANIZED STEEL WITH TOP SCOTTED VENTEL</td>
<td>--</td>
<td>3/4</td>
<td>3</td>
<td>ZOERN</td>
<td>21685</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>G1</td>
<td>GREEN INTERCEPTOR</td>
<td>HORIZONTAL GROIN INTERCEPTOR/DISCONNECT/REJUVENATE/</td>
<td>--</td>
<td>3/4</td>
<td>3</td>
<td>ZOERN</td>
<td>017260-99-04</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>HE-1</td>
<td>HOSE BIB EXTENSION</td>
<td>BRASS EXTENSION, WITH HANDLE, SHADE ARM AND SQUARE BRONZE ASSEMBLY WITH JIC HOODING</td>
<td>--</td>
<td>3/4</td>
<td>--</td>
<td>WOODFORD MANUFACTURING</td>
<td>995</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>HE-2</td>
<td>HOSE BIB</td>
<td>BRASS NUT &amp; STRAINER, WITH HANDLE, SHADE ARM AND SQUARE BRONZE ASSEMBLY WITH JIC HOODING</td>
<td>--</td>
<td>3/4</td>
<td>--</td>
<td>ZOERN</td>
<td>216446-774</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>COMMERCIAL KITCHEN</td>
<td>BRAIN CHAMBER FOR AUTOMATIC SPRAY</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
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<td></td>
</tr>
<tr>
<td>R1</td>
<td>WASH BOWL</td>
<td>SS BOWL WITH 1-1/2 TURN VALVES CHROME PLATE</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>R2</td>
<td>WASH STATION</td>
<td>SS STATION WITH WATER SHIELD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>P-1</td>
<td>WATER CLOSET</td>
<td>ELECTRICALLY HEATED AND INSULATED CLOSET BOWL WITH ELIMINATOR TM, P-TRAP, DESIGNATION J 1-1/8 GALVANIZED PIPE, PROVIDED WITH WATER SATURATED, FLUSH VALVE AND WHITE OPEN FRONT SEAT (NO COVERS), ALTERNATE MANUFACTURER, AMERICAN STANDARD, 3/4&quot;</td>
<td>--</td>
<td>3/4</td>
<td>3</td>
<td>AMERICAN STANDARD</td>
<td>3754-50411-1</td>
<td>8180000500T</td>
<td></td>
</tr>
<tr>
<td>P-2</td>
<td>WASH BASIN</td>
<td>SS BASIN WITH STAINLESS SAFETY HANDRAS</td>
<td>--</td>
<td>3/4</td>
<td>3</td>
<td>AMERICAN STANDARD</td>
<td>3754-504111</td>
<td>849957264016</td>
<td></td>
</tr>
<tr>
<td>P-3</td>
<td>LAUNDRY</td>
<td>FF SINK WITH FRONT OVERFLOW. THE LAUNDRY SHALL BE PROVIDED WITH A DECK MOUNTED FAUCET WITH 3&quot; FLANGE - HANDLE AND 1/2&quot; NIPPLE. THE FAUCET SHALL BE PROTECTIVE GRID STRAINER AND ADA OOF DRUAN FOR HANDHELD WIPING EQUIPMENT, 1&quot; TICLASS 17&quot; LEUG, P-TRAP AND LOOSE KEY. ANGLE SUPPLY, TRAP, DRAIN, AND SUPERS SHALL BE INSTALLED IN LEUG OF ALL</td>
<td>3/4</td>
<td>3/4</td>
<td>3/4</td>
<td>AMERICAN STANDARD</td>
<td>3754-504111</td>
<td>8114-116-002</td>
<td></td>
</tr>
<tr>
<td>P-4</td>
<td>THREE-WAY Deck</td>
<td>3 SS, 2&quot; X 3&quot; X 8&quot;, BETWEEN 4 IN AND 6 IN.</td>
<td>--</td>
<td>3/4</td>
<td>3</td>
<td>AMERICAN STANDARD</td>
<td>3754-504111</td>
<td>80576066065965</td>
<td></td>
</tr>
</tbody>
</table>
| P-5  | HAND SINK | STAINLESS STEEL R.W. COMPLIANT BOWL, SS BACK, SS DRAIN BOARD, SS DRAIN COWLING, SS REAR UNIT, SS SPOUT, SS MANUFACTURER \  
|  | | | | | | | | |
| P-6  | SERVICE SINK | ELECTRICALLY HEATED AND INSULATED SINK WITH ENCLOSURE BACK AND WALL WALL MOUNT, SUPPORTS MINIMUM DECKING OF 18 INCHES WIDE BY 24 INCHES DEEP. THE BOWL SHALL BE PROTECTED WITH 3" FLANGE HANDLE AND 1/2" NIPPLE. THE MANUFACTURER SHALL PROVIDE WITH A DECK MOUNTED FAUCET, 3" FLANGE, 1/2" NIPPLE CHROME FINISH | -- | 3/4 | 3 | AMERICAN STANDARD | 3754-504111 | 7976-325765 |
| P-7  | BIS SINK | einzelflasche mit PROFI K committees | -- | 3/4 | 3 | AMERICAN STANDARD | 3754-504111 | 7885-325765 |
| P-8  | BOX SINK | SS BOWL WITH WHITE PRE-RINSE BOWW WITH INTENSE BACK AND WALL MOUNT, SUPPORTS MINIMUM DECKING OF 18 INCHES WIDE By 24 INCHES DEEP. SS BOWL WITH 3" FLANGE HANDLE AND 1/2" NIPPLE. SS BOWL WITH 1/2" NIPPLE CHROME FREE,BUT BOWL SHOULдер SUPPORTS MINIMUM DECKING OF 18 INCHES WIDE By 24 INCHES DEEP. SS BOWL WITH 3" FLANGE HANDLE AND 1/2" NIPPLE. SS BOWL WITH 1/2" NIPPLE | -- | 3/4 | 3 | AMERICAN STANDARD | 3754-504111 | 7684-325765 |
| P-9  | HANDHELD ELECTRIC WATER COOLER | ELECTRIC WATER COOLER WITH SENSOR-OPERATED BOTTLE STATION, PROVIDE WITH VEINLESS, TRIAL HANDHELD WATER COOLER (1) | -- | 3/4 | 3 | VEINLESS | 325765 |
| PL  | P-10 HYDRO THERAPY TUB | ELECTRIC WATER COOLER WITH THERMAL SCALES | -- | 3/4 | 3 | VEINLESS | 325765 |

### NOTES:

1. PROVIDE WHEEL HANDLE STOP VALVES, SUPPLY TUBING, 1/2 GAUGE CAST BRASS P-TRAPS, ESCUTCHEON PLATES, CARRETTIES, ADA COVERS, AND ALL OTHER APPURTEMENTS FOR A COMPLETE INSTALLATION.
2. ALL SUPPLY AND WASTE LINES SHALL BE CONCEALED IN ADJACENT WALL, FLOOR, AND CEILING CONSTRUCTION UNLESS NOTED OTHERWISE.
ROUTE DOMESTIC WATER PIPE DOWN THE INTERIOR FACE OF THE CHASE WALL. INSTALL INDIVIDUAL ISOLATION VALVE LOCATED IN CHASE, ON EACH TYPE OF WATER LINE ROUTED TO EACH FIXTURE.

DOMESTIC WATER PIPES AND ISOLATION VALVES SHALL BE EXPOSED IN VIVAR AND TO BE ACCESSIBLE FOR MAINTENANCE, AS REQUIRED.

INSTALL DUAL CHECK VALVES FOR EACH ON WATER SUPPLY LINE CONTINUING TO CHASE WALL. INSTALL CHECK VALVES ON WATER SUPPLY LINE CONNECTING TO JANITOR CHASE WALL.

CONNECT TO 2" WATER LINE AND ROUTE UNDERGROUND TO JANITOR CHASE WALL.

PROVIDE 1/2" TIRSTOR VALVES. PROVIDE WITH SHUTOFF VALVE Socket, BEAD, AND DRAINAGE. INSTALL FLOOR VALVES ON WATER SUPPLY LINE CONTINUING TO JANITOR CHASE WALL.

DO NOT ROUTE PIPING SUCH THAT ACCESS TO ATTIC OR BUILDING SPACE IS IMPAIRED.

DO NOT ROUTE PIPING OVER ELECTRICAL SWITCHGEAR OR PANELS.

PROVIDE UNDERGROUND PIPING IN PR ENTRANCE PER SET 6X6 X 6 OR SIMILAR FORM.

INSTALL PORTA HYDRANT IN 10' ELECTRICAL POWER POST TO PROVIDE ACCESS TO FIRE HYDRANT. INSTALL INTERCONNECT.ICT LOCATION WITH THE ELECTRICAL CONTRACTOR.

GENERAL NOTES

1. PROVIDE SHUTOFF VALVES SUCH THAT THE RESTROOMS CAN BE ISOLATED FOR SERVICE SEPARATELY FROM THE REST OF THE FACILITY.

2. PROVIDE INDIVIDUAL SHUTOFF VALVES FOR EACH RESTROOM PLUMBING FIXTURE.
Connect to existing 4" sanitary line.
Route vent lines exposed down janitor 102 wall.
Do not route piping such that access to attic is blocked.
Do not route piping through room 110.
Do not route piping over electrical switchgear or panels.

General Notes

Scale: 1/4" = 1'-0"