CONCRETE FOOTING, RE:
STRUCTURAL DWGS

SUB-GRADE WATERPROOFING MEMBRANE

GROUT SOLID CMU
GROUT SOLID BELOW FLASHING, TYP.

4" CMU, HIGH POLISHED GROUND FACE. RUNNING BOND, TYP.
STAINLESS STEEL THRU-WALL FLASHING, DAYLIGHT 1/2", TYP. W/
WEEPS @ 24" O.C. TYP.

MORTAR NET
2" RIGID INSULATION
4" CONCRETE SLAB ON GRADE
W/ POLY VAPOR BARRIER ON 4"

1/2" ELASTOMERIC JOINT FILLER
8" CMU, STACK BOND
DAMPROOFING

2" RIGID INSULATION ON Z-FURRING, R-9 MIN.
PERIMETER INSULATION

2'-0"
GRADE VARIES, RE: CIVIL DWGS

SELF ADHERING FLASHING, TERM.
BAR AND SEAL @ TOP

GROUND FLOOR
0"
2" RIGID INSULATION
4" SLAB ON GRADE W/ POLY VAPOR BARRIER OVER 4"

MASONRY VENEER TIES @ 16" O.C. VERTICALLY
DAMPPROOFING

1 1/2" RIGID INSULATION ON Z-FURRING, R-9 MIN.
5/8" EXTERIOR SHEATHING
3 5/8" METAL STUD UP TO LOWEST GIRT
STRUCTURAL COLUMN, RE: STRUCTURAL DWGS

2 1/2" INSULATED METAL PANEL

STAINLESS STEEL THRU-WALL FLASHING, DAYLIGHT 1/2", TYP. W/
WEEPS @ 24" O.C. TYP.

MORTAR NET
GRADE VARIES, RE: CIVIL DWGS
GROUT SOLID BELOW FLASHING, TYP.

PRE-ENGINEERED METAL WALL GIRTS, LOWEST @ 4'-0" A.F.F.
FINISH GRADE A PAINTED BIRCH PLYWOOD TO TOP OF FITNESS CMU
WALL

4" METAL STUD
11 7/8"

2" RIGID INSULATION
4" SLAB ON GRADE W/ POLY VAPOR BARRIER OVER 4"

MASONRY VENEER TIES @ 16" O.C. VERTICALLY
DAMPPROOFING

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MORTAR NET
GRADE VARIES, RE: CIVIL DWGS
GROUT SOLID BELOW FLASHING, TYP.

PRE-ENGINEERED BUILDING COLUMN BEYOND, RE:
STRUCTURAL DWGS

2" RIGID INSULATION ON Z-FURRING, R-9 MIN.
2 1/2" INSULATED METAL PANEL

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STAINLESS STEEL THRU-WALL FLASHING, DAYLIGHT 1/2", TYP. W/
WEEPS @ 24" O.C. TYP.
EXISTING MASONRY WALL

NEW 8" X 8" X 3 1/2" GLASS BLOCK TO INFILL OPENING WHERE LOUVER IS REMOVED

SEALANT BETWEEN GLASS BLOCKS

GLASS BLOCK GRID SYSTEM, REFER TO MANUFACTURER REQUIREMENTS

1X4 PT WOOD BLOCKING, AROUND ENTIRE OPENING

GLASS BLOCK GRID SYSTEM PERIMETER PIECE W/THERMAL BREAK

GLASS BLOCK SEALANT, FULL PERIMETER

STEEL ANGLE LINTEL SEALANT

GLASS BLOCK GRID SYSTEM AND PERIMETER PIECE W/THERMAL BREAK

JAMB AND SILL DETAIL

HEAD DETAIL

ALUMINUM FLASHING AT SILL

ANCHOR CLIP

1" X 12" X 96" VERSA-SEAM METAL PANEL

7/8" VERTICAL SUBGIRT @ 16" O.C. TYP.

1" WALL EXPANSION JOINT

2" RIGID INSULATION, R-9 MIN ON Z-FURRING

FLUID APPLIED WEATHER BARRIER

8" CMU, STACKED BOND

3 5/8" METAL STUD

5/8" GYPSUM BOARD

EXPANSION JOINT COVER

FIXED ANCHOR CLIP

5/8" EXTERIOR SHEATHING

WATERTIGHT EMSEAL COLORSEAL EXPANSION JOINT

DAMPPROOFING
FLOORING SHALL BE PROVIDED BY OWNER. REFER TO PT-1 TO BE PAINTED UP TO 13'-4", PT-5 TO BE PAINTED FROM 13'-4" UP TO 17'-4", PT-6 TO BE PAINTED FROM 17'-4" UP TO 22'-0", PT-1 TO BE PAINTED FROM 22'-0" (BOTTOM OF JOIST) AND ABOVE.

TRANSACTION TOPS, UNLESS NOTED OTHERWISE.

AND SOFFITS, U.N.O.

FINISHES. ALL SOFFIT ACCENTS SHALL BE PAINTED ON THE FACES OTHERWISE NOTED.

MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO BLACK.

ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS FRAMES SHALL BE PAINTED EPT-1.

OF TWO TIMES PRIOR TO COMPLETION.

AND SOLID SURFACE MATERIAL ON COUNTERTOPS AND FINISHES.

REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.

OF TWO TIMES PRIOR TO COMPLETION.

REFERENCES TO WALL PROTECTION TO BE PROVIDING INDICATED. REFER TO A800 FOR DETAILS.

EXISTING INTERIOR BRICK.

ALTERNATE 03: CLEAN & SEAL EXISTING INTERIOR BRICK.

REPLACE EXISTING INTERIOR COMPOSITE RUBBER FLOORING. REFER TO A701 FOR DETAILS.

ALTERNATE 04: PAINT EXISTING INTERIOR BRICK.

ON FLOOR.

PROVIDE TRM-2 WHERE CT-5 ON WALL MEETS CT-1.

CORR.

BY OWNER

OF TWO TIMES PRIOR TO COMPLETION.

COMPROMISE POINTS.
FINISH CODE MANUFACTURER STYLE/PATTERN COLOR DIMENSION ADDITIONAL REQUIREMENTS REMARKS

SPORTS FLOORING (SF)
High NRC 1758 Densifier MP In 673

CARPET (CPT)
Bright White 7937-38 Light Reflectance, Mold & Mildew resistant, sag resistant, washable during submittals

CERAMIC TILE (CT)

STAINED CONCRETE
Epoxy Grout TBD Colorway to be selected by architect

EXPANSION JOINT COVER
EJC-1 Construction Specialties PC-200 TBD 5 1/4" W For 2" expansion joint, floor to floor Refer to 1/I200 for location

EJC-2 Construction Specialties PCW-200 TBD 5 1/4" W For 2" expansion joint, wall to floor Refer to 1/I200 & A200A plans for location

EJC-3 Construction Specialties PC-___ TBD TBD For 2" expansion joint, floor to floor. Size of TBD

GROUT
GR-1 TBD Epoxy Grout TBD Colorway to be selected by architect

EJC-4 Construction Specialties PC-___ TBD TBD For 2" expansion joint, wall to floor. Size of TBD

EJC-5 Construction Specialties PC-___ TBD TBD For 2" expansion joint, wall to floor. Size of TBD

SPORTS FLOORING
SSM-1 Corian N/A Cottage Lane N/A Toilet Rooms

SSM-2 Corian N/A Concrete N/A Reception Desk

SOLID SURFACE MATERIAL
LAM-1 Wilsonart N/A Palisades Oak

PLASTIC LAMINATE
PT-1 Sherwin Williams N/A TBD N/A Colorway to be selected by architect

PT-2 Sherwin Williams N/A TBD N/A Colorway to be selected by architect

PT-3 Sherwin Williams N/A TBD N/A Colorway to be selected by architect

PT-4 Sherwin Williams N/A TBD N/A Colorway to be selected by architect

PT-6 Sherwin Williams N/A TBD N/A Colorway to be selected by architect

PT-8 Sherwin Williams N/A SW7007 Ceiling

TRIM PIECE
TRM-2 Schluter Systems Dilex-HKW Classic Grey To be installed where ceramic wall tile

TRANSITION STRIP
TS-1 Schluter Systems RENO-TK TBD Transition from CPT to Ceramic Tile

TS-2 Johnsonite Wheeled Traffic

TS-3 Johnsonite Soft Gray G388 N/A N/A Refer to manufacturer’s installation instructions

TS-4 Johnsonite Hardwood

TRANITIONS WITH OR SAME MATERIAL
NOTE: USE DETAIL FOR TRANSITION RE: SCHED. (WHERE APPLICABLE)

SCHEDULED DOOR FRAME

SCHEDULED DOOR (WHERE APPLICABLE)

SCALE
HVAC - GROUND FLOOR DEMOLITION PLAN

EXISTING DUCTWORK TO REMAIN. AIR DEVICE QUANTITIES HAVE BEEN INDICATED ON PLANS.

REMOVE EXISTING MOTOR OPERATED DAMPER IN ITS ENTIRETY INCLUDING ALL ASSOCIATED COMPONENTS.

REMOVE EXISTING WALL-MOUNTED PROPELLER FAN IN ITS ENTIRETY INCLUDING LOUVER ALL.

GENERAL ASBESTOS ABATEMENT NOTES:
1. CONTRACTOR IS TO FURNISH A WRITTEN QUOTE OF THEIR INTENT TO PERFORM ALL ASBESTOS ABATEMENT WORKS TO SC DHSS AND ALL OTHER APPROPRIATE AUTHORITIES PRIOR TO SUBMITTING A BID. IT IS THE INTENT OF THIS PROJECT IS TO COMPLETELY REMOVE EXISTING DUCTWORK IN ITS ENTIRETY INCLUDING MAINS, BRANCH DUCTWORK, REMOVE EXISTING GRILLES, REGISTERS AND RETURNS LOCATED IN EXISTING CEILING SYSTEM.

2. REMOVE EXISTING WALL-MOUNTED THERMOSTAT AND ASSOCIATED CONTROL WIRING.

3. REMOVE EXISTING PROPELLER FANS IN ITS ENTIRETY INCLUDING LOUVER AND REASSOCIATED CONTROL WIRING.

4. REMOVE EXISTING MOTORS, FANS AND END CAPS IN EXISTING CEILING SYSTEM. REMOVE AND SALVAGE EXISTING CONDENSING UNIT MOUNTED AT GRADE. REMOVE ALL EXISTING DUCTWORK IN ITS ENTIRETY INCLUD ING MAINS, BRANCH DUCTWORK, REMOVE EXISTING REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNITS IN ITS ENTIRETY. ABANDON AND CAP ANY PIPING CONCEALED IN CHASES/WALLS SLATED TO REMAIN IN PLACE. REFER TO NEW WORK PLANS FOR NEW REFRIGERANT PIPING ROUTING AND FINISHES.

5. REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. REFER TO NEW WORK PLANS FOR RE-INSTALLATION LOCATION OF SALVAGED UNIT.

6. REMOVE EXISTING WALL-MOUNTED PROPELLER FAN IN ITS ENTIRETY INCLUDING ALL ASSOCIATED COMPONENTS.

7. REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. REFER TO NEW WORK PLANS FOR RE-INSTALLATION LOCATION OF SALVAGED UNIT.

8. REMOVE AND SALVAGE EXISTING CONDENSING UNIT MOUNTED AT GRADE. REMOVE ALL EXISTING DUCTWORK IN ITS ENTIRETY INCLUD ING MAINS, BRANCH DUCTWORK, REMOVE EXISTING REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNITS IN ITS ENTIRETY. ABANDON AND CAP ANY PIPING CONCEALED IN CHASES/WALLS SLATED TO REMAIN IN PLACE. REFER TO NEW WORK PLANS FOR NEW REFRIGERANT PIPING ROUTING AND FINISHES.

ABSTRACTED INFORMATION:
1. IN GENERAL, CONTRACTOR IS TO COMPLETELY REMOVE EXISTING DUCTWORK IN ITS ENTIRETY INCLUD ING MAINS, BRANCH DUCTWORK, REMOVE EXISTING GRILLES, REGISTERS AND RETURNS LOCATED IN EXISTING CEILING SYSTEM. REMOVE EXISTING WALL-MOUNTED THERMOSTAT AND ASSOCIATED CONTROL WIRING. REMOVE EXISTING PROPELLER FANS IN ITS ENTIRETY INCLUDING LOUVER AND REASSOCIATED CONTROL WIRING. REMOVE EXISTING MOTOR OPERATED DAMPER IN ITS ENTIRETY INCLUDING ALL ASSOCIATED COMPONENTS. REMOVE EXISTING WALL-MOUNTED PROPELLER FAN IN ITS ENTIRETY INCLUDING LOUVER ALL.


3. REMOVE AND SALVAGE EXISTING CONDENSING UNIT MOUNTED AT GRADE. REMOVE ALL EXISTING DUCTWORK IN ITS ENTIRETY INCLUD ING MAINS, BRANCH DUCTWORK, REMOVE EXISTING REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNITS IN ITS ENTIRETY. ABANDON AND CAP ANY PIPING CONCEALED IN CHASES/WALLS SLATED TO REMAIN IN PLACE. REFER TO NEW WORK PLANS FOR NEW REFRIGERANT PIPING ROUTING AND FINISHES.

4. CONTRACTOR SHALL REPORT SAID DISCREPANCIES TO THE ARCHITECT IN THE PROJECT MANUAL PRIOR TO SUBMITTING A BID. IF THERE ARE ANY EXISTING CONDITIONS AND TO REVIEW THE ASBESTOS INSPECTION SURVEY INCLUDED WITH OVERHEAD DUCTWORK. REFER TO HAZARDOUS MATERIALS SURVEY FOR FURTHER INFORMATION.

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ALL OUTDOOR DUCTWORK SHALL BE EXTERNALLY INSULATED AND INTERNALLY LINED - SEE DETAILS FOR ALL.

RELOCATED CONDENSING UNITS (TYP.3)

KEY NOTES:
COORDINATE DUCT DROPS TO BE SITUATED BETWEEN STRUCTURAL STEEL JOISTS.
ELECTRIC HEATER SHALL OPERATE TO MAINTAIN SPACE HEATING TEMPERATURE.

WHEN THE WALL SWITCH IS PLACED IN THE "OFF" POSITION, THE EXHAUST FAN MOTORIZED SHUTTER SHALL FULLY CLOSE AND

1. UPON ANY ACTIVATION OF THE FIRE ALARM SYSTEM, IN AN AREA SERVED BY THE RTU, THE RTU SUPPLY AND EXHAUST FANS ARE TO BE DE-ENERGIZED AND THE OUTSIDE AIR,

2. THE SUPPLY FAN, THE REFRIGERATION CIRCUIT AND THE GAS FURNACE ARE TO ALL BE DE-ACTIVATED.

3. IF THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING SETPOINT OF 65ºF (ADJ.) THE SUPPLY FAN AND ELECTRIC HEAT ARE TO BE ENERGIZED AND OPERATE AT 100% UNTIL

4. UPON A FURTHER DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT OF 70ºF (ADJ.), THE ELECTRIC HEAT IS TO ACTIVATE TO MAINTAIN THE HEATING

5. THE OUTSIDE AIR DAMPER IS TO FULLY OPEN.

6. UPON A FURTHER DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT OF 70ºF (ADJ.), THE ELECTRIC HEAT IS TO ACTIVATE TO MAINTAIN THE

7. IF THE SPACE TEMPERATURE IS ABOVE THE COOLING SET POINT OF 75ºF (ADJ.) THE RTU REFRIGERATION CIRCUIT IS TO BE ENERGIZED AND COMPRESSORS MODULATED TO MAINTAIN A

8. THE SUPPLY FAN VFD IS TO MODULATE THE SUPPLY FAN SPEED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

9. IF THE SPACE TEMPERATURE SETPOINTS ARE SATISFIED THE REFRIGERATION CIRCUIT SHALL BE DE-ENERGIZED.

10. ONCE THE HEATING SETPOINT IS SATISFIED, THE ELECTRIC HEAT CAN BE DE-ACTIVATED.


12. ONCE THE HEATING SETPOINT IS SATISFIED, THE ELECTRIC HEAT SHALL BE DE-ACTIVATED.

13. IF THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED COOLING SETPOINT OF 80ºF (ADJ.), THE SUPPLY FAN AND REFRIGERANT CIRCUIT ARE TO BE ENERGIZED AND

14. WHEN IN THE OCCUPIED AND HEATING MODE THE ENERGY RECOVERY WHEEL IS TO BE ENERGIZED UNLESS THE RETURN AIR TEMPERATURE IS LESS THAN THE OUTSIDE AIR TEMPERATURE.
GENERAL FIRE PROTECTION NOTES:

1. PROVIDE SEISMIC RESTRAINTS FOR FIRE PROTECTION SPRINKLER SYSTEM PER NC AIA SEISMIC DESIGN CATEGORY D COMPONENT IMPORTANCE FACTOR (IP) 1.5 BUILDING RISK CATEGORY III.

2. PROVIDE FIRE SPRINKLER RISER WITH ZONE VALVE, FLOW SWITCH AND TAMPER SWITCH. DIVISION 26 SHALL PROVIDE ALL FIRE PROTECTION PIPING COVERAGE.
**PLUMBING EQUIPMENT & FIXTURES SCHEDULE**

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**ELECTRIC WATER HEATER SCHEDULE**

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**SEISMIC DESIGN CRITERIA FOR NON-STRUCTURAL COMPONENTS**

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<td>PLACE RECIRCULATOR PUMP ON HOT WATER RECLIRCULATION PIPING. REFER TO WATER HEATER DETAIL.</td>
<td>DESCRIPTION</td>
</tr>
</tbody>
</table>

**FLUID SYSTEMS SCHEDULE**

<table>
<thead>
<tr>
<th>FLUID SYSTEMS SCHEDULE</th>
<th>DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>PROVIDE W/ DISCONNECT SWITCH.</td>
<td>DESCRIPTION</td>
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<tr>
<td>PLACE RECIRCULATOR PUMP ON HOT WATER RECLIRCULATION PIPING. REFER TO WATER HEATER DETAIL.</td>
<td>DESCRIPTION</td>
</tr>
</tbody>
</table>
KEY NOTES:

1. REMOVE EXISTING FIXTURE IN ITS ENTIRETY INCLUDING ALL
   ASSOCIATED PIPING AND SUPPORTS. MAINTAIN SANITARY
   AND DOMESTIC WATER PIPING FOR NEW FIXTURE TO BE
   INSTALLED IN SIMILAR LOCATION. REFER TO NEW WORK
   PLANS FOR ADDITIONAL REQUIREMENTS.

2. REMOVE EXISTING FIXTURE IN ITS ENTIRETY INCLUDING ALL
   ASSOCIATED PIPING AND SUPPORTS. REMOVE SANITARY
   AND VENT PIPING BACK TO MAINS AND CAP. PROVIDE ALL
   NECESSARY FLOOR/WALL CUTTING AND PATCHING TO
   FACILITATE WORK.

3. REMOVE EXISTING FLOOR DRAIN GRID. EXISTING FLOOR
   DRAIN TO REMAIN FOR REUSE.

4. REMOVE EXISTING SHOWER VALVE ASSEMBLY AND
   ASSOCIATED SHOWER HEAD. MAINTAIN DOMESTIC WATER
   PIPING FOR NEW SHOWER VALVE AND HEAD TO BE
   INSTALLED IN SIMILAR LOCATION. REFER TO NEW WORK
   PLANS FOR ADDITIONAL REQUIREMENTS.

5. REMOVE EXISTING DOMESTIC WATER HEATER IN ITS
   ENTIRETY INCLUDING ALL PIPING AND EQUIPMENT STANDS.
   REMOVE ALL DOMESTIC WATER DISTRIBUTION PIPING IN
   LOCKER ROOM AND FITNESS AREAS. MAINTAIN EXISTING
   DOMESTIC WATER PIPING FOR FIXTURES THAT ARE TO
   REMAIN. REMOVE ALL VENT PIPING ASSOCIATED WITH
   DEMOLISHED FIXTURES TO POINT ABOVE CEILING AND CAP.
   CAP EXISTING DOMESTIC WATER SUPPLY PIPING BELOW
   FLOOR. PROVIDE ALL NECESSARY CUTTING AND PATCHING
   TO FACILITATE WORK.

6. REMOVE EXISTING FLOOR CLEANOUT AND PIPING BACK TO
   MAIN AND CAP.
KEY NOTES:
1. All plumbing runs shall be installed to curve and avoid tie-ins to existing infrastructure. All runs shall be fabricated to match existing conditions.
2. Ensure all plumbing runs are coordinated with the electrical and HVAC systems.
3. Material and finish requirements shall be as per Schedule 1.
4. Plumbing runs shall be coordinated with the structural elements of the building.
5. As indicated above, locate pipe runs and plumbing fixtures to facilitate connection to existing concealed piping.

MATERIALS AND FINISHES:
- Patch wall/floor as required to match existing finishes.
- Facilitate connection to existing concealed piping.
- On the floor nearest the floor drain(s).
- Refer to site civil plans for new dead air space.

NEW 3" DOMESTIC WATER SERVICE:
- On the floor nearest the floor drain(s).
- Refer to site civil plans for new dead air space.

PLUMBING - GROUND FLOOR NEW WORK PLAN - DOMESTIC WATER
- Plumbing runs shall be fabricated to match existing conditions.
- All plumbing runs shall be installed to curve and avoid tie-ins to existing infrastructure.
- As indicated above, locate pipe runs and plumbing fixtures to facilitate connection to existing concealed piping.
- Material and finish requirements shall be as per Schedule 1.
- Plumbing runs shall be coordinated with the structural elements of the building.
- Refer to site civil plans for new dead air space.
10. TEMPERATURE RATING.

10.1) TEMPERATURE RATING THAN 75 DEGREES CELSIUS. ELECTRICAL TERMINATIONS AND/OR EQUIPMENT THAT HAVE A LOWER TEMPERATURE RATING. SUCH AS FOR FIRE ALARM, GENERATOR SYSTEMS, ETC. METHOD OF PROJECT AND COPIES OF ALL CERTIFICATIONS OF INSTALLATION INCLUDE THE MANUFACTURERS STANDARD MATERIALS (MANUALS AND PLUMBING TRADES. FOR AREAS OUTSIDE THE LIMITS OF POWER SOURCES AS WELL AS COORDINATED WORK WITH HVAC OF CONSTRUCTION. ELECTRICAL WORK WILL BE REQUIRED SCHEDULES REGARDLESS OF CATALOG NUMBER GIVEN. VERIFY PRIOR TO ROUGH-IN.

DIAGRAMMATIC ONLY, THE CONTRACTOR SHALL VERIFY ALL CONDUIT SLEEVES IN EXISTING STRUCTURE FOR ACCESS BACK TO ABOVE ACCESSIBLE CEILING IN NEAREST CORRIDOR. PROVIDE COMMUNICATION CABLES SHALL EXTEND FROM BACK BOX TO ROUGH-IN WITH ARCHITECTURAL ELEVATIONS OR OTHER TRADES. MANUFACTURER AND OTHER TRADES PRIOR TO ROUGH-IN OF THIS PROJECT. USE THE OWNERS DESIGNATIONS - DO NOT E700 ENLARGED PLANS AND FIRE ALARM RISER DIAGRAM SECTIONS.

E100 ELECTRICAL GROUND FLOOR DEMOLITION PLAN

E001 ELECTRICAL SITE PLAN

E000 ELECTRICAL SYMBOLS LEGEND, NOTES & ONE-LINE DIAGRAMS

SHALL BE 2#12, 1#12G; 1/2" CONDUIT. PROVIDE #10AWG FOR 120V SCOPE OF THE WORK.

NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NEEDED ITEMS. PROVIDE #6AWG FOR 277V TO BE USE IN SUPPLEMENTAL LIGHTING. PROVIDE #4AWG FOR 480V TO BE USED IN MACHINERY AND VENTILATION.

CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND ALL WORK TO BE DONE IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA). THIS PROJECT IS TO BE CONSIDERED A HIGH RISK CONSTRUCTION PROJECT.
<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>DESIGN</th>
<th>MAKE</th>
<th>MODEL NUMBER</th>
<th>VOLTS</th>
<th>LUMENS</th>
<th>SOURCE</th>
<th>MOUNTING</th>
<th>NOTES</th>
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<tbody>
<tr>
<td>EM2</td>
<td>EMERGENCY WALL MOUNTED FIXTURE SIGNTEX MAE-RE-10-A-W</td>
<td>24 LED</td>
<td>WALL</td>
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<tr>
<td>HB2</td>
<td>PENDANT MOUNTED LED WITH FROSTED ACRYLIC REFLECT OR, CONICAL LENS LITHONIA JCBL-12000LM-ACFR-ACRCON-MV</td>
<td>120/277 LED</td>
<td>90</td>
<td>12,000</td>
<td>PENDANT</td>
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<tr>
<td>C</td>
<td>1'X1' LED SURFACE MOUNT EXTERIOR HIGH ABUSE LUMINA IRE, UL LISTED FOR WET LOCATIONS KENALL MS11FL-PP-DB- 20L35K-DV-BPC-SA</td>
<td>120/277 LED</td>
<td>41</td>
<td>3389</td>
<td>SURFACE</td>
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</table>

**GENERAL NOTES:**

1. All lighting fixtures are to be installed per manufacturer's instructions.
2. Lighting fixtures are to be installed in accordance with the National Electric Code and local electrical codes.
3. Lighting fixtures are to be installed in a manner that allows for future maintenance and access.
4. Lighting fixtures are to be installed in a manner that allows for future adjustments and modifications.
5. Lighting fixtures are to be installed in a manner that allows for future expansion and growth.
6. Lighting fixtures are to be installed in a manner that allows for future energy efficiency improvements.
<table>
<thead>
<tr>
<th>PANEL</th>
<th>PANEL A</th>
<th>PANEL SEF</th>
<th>PANEL MFSU</th>
<th>PANEL LP</th>
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<table>
<thead>
<tr>
<th>LOAD DESCRIPTION</th>
<th>VA</th>
<th>CKT</th>
<th>PHASE</th>
<th>CKT VA</th>
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<tr>
<td>GYM LIGHTING</td>
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<tr>
<td>EXISTING BRANCH CIRCUIT</td>
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<tr>
<td>CENTRAL BATTERY CB-1</td>
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<tr>
<td>PANEL RP-1</td>
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<td>PANEL RP-2</td>
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<td>PANEL RP-3</td>
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<table>
<thead>
<tr>
<th>FEEDER AMP</th>
<th>1000</th>
<th>1200</th>
<th>965</th>
<th>540</th>
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<table>
<thead>
<tr>
<th>PH B</th>
<th>10</th>
<th>4</th>
<th>16</th>
<th>4</th>
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</table>

<table>
<thead>
<tr>
<th>PANEL DL1</th>
<th>277/480V AC, 4W, FED FROM SUBTANK PANEL VIA MAIN 16</th>
<th>PANEL DH</th>
<th>277/480V AC, 4W, FED FROM SUBTANK PANEL VIA PANEL DEP</th>
</tr>
</thead>
</table>

**MECHANICAL SCHEDULE NOTES:**

1. PROVIDE ELECTRICAL EQUIPMENT IN NEW LOCATION.
2. PROVIDE EARTHED EQUIPMENT OUTLET BOX.
3. PROVIDE ENCLOSURE WHERE REQUIRED.
4. PROVIDE ENCLOSURE WHERE REQUIRED.
5. PROVIDE EARTHED EQUIPMENT OUTLET BOX.
6. PROVIDE ENCLOSURE WHERE REQUIRED.

**WARNING:**

- AREA IN FRONT OF THE ELECTRICAL PANEL MUST BE KEPT CLEAR FOR 36 INCHES.
- CSA-W-NEC REGULATIONS.
EXIST. GRASS ISLAND (TYP.)

YI #2
12 inch CPP
82 LF
TOP=97.05

YI #3
15 inch CPP
37 LF

APPROX. LOCATION OF EXIST. YARD INLET

CONNECT TO EXIST. ROOF DRAINS W/8" HDPE (MIN. SLOPE = 1.0%)

PROP. 8"X8" TEE (TYP.)

PROP. STORM PIPE MIN. 1% SLOPE MIN. 3' COVER (TYP.)

EXIST. GRASS ISLAND (TYP.)

OVERALL LAYOUT
FROM SPLASH PAD DRAINS

TANK DRAIN

FRESH WATER

FILTER RETURN

FEATURE BYPASS

2" OVERFLOW

CHEMICAL CONTAINERS

FRESH WATER FROM MICROFLO PRETREATMENT

TANK DRAIN

FILTER SUCTION

FEATURE SUCTION

FILTER RETURN

FEATURE BYPASS

CHEMICAL FEED PUMP

CHEMICAL FEED PUMP

TANK DRAIN TO WASTE

BREAKER PANEL

CHEMICAL CONTAINERS

SPLASH PAD ACTIVATOR WIRING TO VAK PAK EQUIPMENT PANEL

FLOW (FROM BACKFLOW PREVENTER)

(12) 1-1/2" FEATURE RETURNS TO PAD

POWER TO BREAKER PANEL
IMPORTANT NOTICE:
THIS LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. FINAL LAYOUT PLAN MUST BE STAMPED BY CERTIFIED ENGINEER IN ACCORDANCE WITH ALL APPLICABLE LAWS.

PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
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<th>DESCRIPTION</th>
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<tr>
<td>1</td>
<td>1</td>
<td>TBKT-004-OM</td>
<td>TUMBLE BUCKET X3 W/ SAIL, OMPN</td>
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<tr>
<td>2</td>
<td>1</td>
<td>SLJT-003-OM</td>
<td>SLANT JET, OMPN</td>
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<tr>
<td>3</td>
<td>1</td>
<td>FNJT-003-OM</td>
<td>FAN JET, OMPN</td>
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<tr>
<td>4</td>
<td>1</td>
<td>TBKT-004-OM</td>
<td>TWO TIER TOOLIP JET, OMPN</td>
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<tr>
<td>5</td>
<td>1</td>
<td>PCJT-001-OM</td>
<td>PEACOCK JET, OMPN</td>
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<tr>
<td>6</td>
<td>1</td>
<td>POP JT, OMPN</td>
<td>POP JET, CURVED, 4 OUTLET</td>
</tr>
</tbody>
</table>

PVC PIPING:
1. SCHEDULE 80 PVC PIPE AND SOCKET TYPE FITTINGS SHALL CONFORM TO ASTM D2170, ASTM D2785-12, AND ALL APPLICABLE LOCAL CODES.
2. ALL PVC PIPING SHALL BE STAMPED WITH N.S.P. SEAL OF APPROVAL FOR POTABLE WATER.
3. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL FLOW ARROWS.
4. ALL PIPING TO BE PRESSURE TESTED BEFORE POURING CONCRETE.
5. PIPING DESIGNED TO CARRY THE REQUIRED QUANTITIES OF WATER AT VELOCITIES NOT TO EXCEED 10 FPS OR PER LOCAL CODES AND REGULATIONS.
6. SUPPLY LINES TO BE CHEMICALLY WELDED TO OMNIPOD FEATURE RECEIVER.
7. ALL PIPING TO BE 2" SCHEDULE 80 PVC UNLESS OTHERWISE SPECIFIED.
8. DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL PIPE LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH CONTRACTOR.

RAIN DROP PRODUCTS LLC IS PROHIBITED.
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DRAINS -
1. DRAIN PIPE AND FITTINGS SHALL CONFORM TO ASTM D2665. CONNECTIONS SHALL BE A SOLVENT WELD, UNLESS OTHERWISE SPECIFIED.
2. ALL PVC FITTINGS SHALL BE STAMPED WITH N.S.F. SEAL OF APPROVAL FOR POTABLE WATER.
3. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL FLOW ARROWS.
5. PIPING SHALL BE DESIGNED TO CARRY THE REQUIRED QUANTITIES OF WATER AT VELOCITIES NOT EXCEEDING 1.5 FEET PER SECOND IN GRAVITY PIPING.
6. ALL PIPING TO BE SLOPED 2% TO RESERVOIR.
7. DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL PIPE, RESERVOIR, AND SEDIMENT TRAP LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH CONTRACTOR.

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<tr>
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<tr>
<td>1</td>
<td>DRAIN-12X12X12 FIBERGLASS-6&quot;</td>
<td>DRN12-002</td>
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<tr>
<td>8</td>
<td>CLAM SHELL VAULT (BY OTHERS)</td>
<td></td>
<td></td>
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<tr>
<td>1,000 Gallon Collector Tank (BY OTHERS)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COLLETON COUNTY RECREATIONAL CENTER
280 Recreation Lane.
Walterboro, SC 29488

AQUATIC FACILITY CONSULTING
PO BOX 654
DRAYTON, SC 29333
O: (864) 285-4487  C: (864) 386-1498

NOTICE

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IMPORTANT NOTICE:

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<tr>
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<td>ACT-A001</td>
<td>ACTIVATOR, STEP</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>TM0-008</td>
<td>TIMER PANEL</td>
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</tbody>
</table>

1" CONDUIT WITH 164 FT [50 M] CABLE FROM TIMER PANEL TO STEP ACTIVATOR (CONDUIT SUPPLIED BY OTHERS, CABLE SUPPLIED BY RAIN DROP PRODUCTS)

IMPORTANT NOTICE:
This layout is for illustrative purposes only. Final layout plan must be stamped by certified engineer in accordance with all applicable laws.

ELECTRICAL:
1. All electrical shall be installed in accordance with the National Electrical Code (NEC) and all applicable local codes. In addition, all work shall be in accordance with the American Society for Testing and Materials (ASTM).
2. The contractor shall verify the service requirements for all pieces of equipment.
3. Drawings are intended for schematic use only. Final conduit and controller locations shall be field verified and coordinated with contractor.

CLAM SHELL VAULT (BY OTHERS)

1,000 GALLON COLLECTOR TANK (BY OTHERS)
**SP-15**

**SPLASH PAD STRUCTURAL DESIGN**

**CONCRETE SURFACE REQUIREMENTS**

- **Concrete Surface:** Broom finished concrete deck.
- **Concrete Surface (Typical):** 2% typical concrete surface (see structural notes for concrete application).

**COMPRESSION STRENGTH (MIN. 2000 PSI):**

- **Drain:** Rebar #4 @ 12" o.c. and each way in slab.
- **Broom finished concrete deck:** 2% typical concrete surface.

**TOP OF DECK**

- **Concrete Surface:** Broom finished concrete deck.
- **Concrete Surface (Typical):** 2% typical concrete surface (see structural notes for concrete application).

**SPLASH PAD STRUCTURAL DESIGN**

- **Concrete Surface Requirements:**
  - Broom finished concrete deck.
  - 2% typical concrete surface (see structural notes for concrete application).

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