

**ADDENDUM NUMBER 1**

Tuesday July 1, 2014

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**PROJECT: GREGORY H&W POOL REPAIRS  
UNIVERSITY OF SOUTH CAROLINA LANCASTER  
STATE PROJECT NO. H37-9513  
GMC PROJECT NO. AGRE140014**

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This addendum forms a part of the Construction Documents and modifies the original Bidding Documents as noted below. Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

**GENERAL:**

- A1G1 Non-Mandatory Pre-Bid sign in sheet, dated June 24th, 2014 is attached.
- A1G2 The Pre-Bid Instructions sheet that was passed out at the Non-Mandatory Pre-Bid is attached.

**PROJECT MANUAL:**

- A1P1 SE-330, Bid Form, is attached with the addition of Alternate #2.
- A1P2 01100, Summary, is attached with the addition of Alternate #2.

**DRAWINGS:**

- A1D1 Sheet A-102, New Construction Floor Plan, the "New Removable Stainless Steel Starting Blocks" shall be six (6) Paddock EZ Set II Track Start Platforms (4911-S), and shall be part of Addendum #2.
- A1D2 Sheet A-202, Finish Legend, the resinous flooring will be selected from the Q28 Blends. Remove reference to Q11 Blends from this legend.
- A1D3 Sheet E1, General Notes, Legend, and Schedules, dated 6/17/2014 is attached and shall be part of Addendum #2.
- A1D4 Sheet E2, First Floor Electrical Renovation Plan, dated 6/17/2014 is attached and shall be part of Addendum #2.

**END OF ADDENDUM NUMBER 1.**



University of South Carolina Pre Bid Sign In Sheet  
Columbia, South Carolina

Project Name, Number & Project Manager: USC Lancaster Gregory H&W pool repair ; CP00401388(H37-9513) ; Troy Green  
Pre Bid Date & Time: June 24 ,2014 10 AM USC Lancaster, Bradley Hall Room 111

Name	Company	Address	Phone #	Email
Glen Jackson	USC - Lancaster	476 Hubbard Drive Lancaster, SC	803-313-7040	gjackson@fmc.ll.edu
Chad Catledge	Perception Builders	115. W ARCH ST.	803-286-9500	Chad@perceptionbuilders.com
Annett Small	USC Lancaster	512 Hubbard		
Kent Deese	USC - Lancaster	512 Hubbard	803.313.7153	kdeese@mailbox.sc.edu
Troy Alexander	Capitol Construction	204 Ransgate Dr Spartanburg SC	864-640-7394	Troy@capitolconstruction.us
Troy Green	USC - Columbia	743 Green St Columbia, SC	803-777-8256	green@fmc.sc.edu
Juaquan Brooks	USC - Columbia	Via <del>phone</del> teleconference		

\*Please make sure you list your company name as registered with LLA.

† By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

Job name: USC Lancaster Gregory H&W pool repair ; deferred maintenance

Job Number: CP00 401388 H37-9513

### Pre- Bid Instructions

1. No Asbestos has been detected in the building
2. Submittals are required on pool flooring
3. Work can start 8-1-14 and must be thru in pool area by 8-31-14
4. USCL campus is inside the city limits. Contractor required to obtain license/permits from the city prior to start of work.
5. Contractor must attend pre-construction meeting prior to start of work.
6. Bids due at 743 Greene St, Columbia, SC by 7/9/2014 @ 2:30 p.m.
7. Project Manager: Troy Green  
Local contact: Glen Jackson (803)-313-7040

Note <sup>1</sup> during all work ,contractors must not allow any debris to get into the pool itself. USC L will install a pool "cover" but contractors are to prevent any objects from entering the pool itself

② All electrical associated with removal of hot tubs done by USC L

③ Note : L D's starting 9-1-14

④ Alternate is whirlpool / ADA restroom / change area

**Addendum One**  
**SE-330 – LUMP SUM BID**  
**BID FORM**

**2011 Edition**  
Rev. 9/21/2011

*Bidders shall submit bids on only Bid Form SE-330.*

**BID SUBMITTED BY:** \_\_\_\_\_  
(Bidder's Name)

**BID SUBMITTED TO:** University of South Carolina  
(Owner's Name)

**FOR PROJECT: PROJECT NAME** Gregory H & W Pool Repairs  
**PROJECT NUMBER** H37-9513

**OFFER**

§ 1. In response to the Invitation for Construction Bids and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Owner on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to Section 11-32-3030(1) of the SC Code of Laws, as amended, Bidder has submitted Bid Security as follows in the amount and form required by the Bidding Documents:

Bid Bond with Power of Attorney     Electronic Bid Bond     Cashier's Check

(Bidder check one)

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

**ADDENDUM No:** \_\_\_\_\_

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of 60 Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

**§ 6.1 BASE BID WORK** *(as indicated in the Bidding Documents and generally described as follows):* The project work consists of interior painting, flooring and minor renovations within the pool area of the Gregory Health and Wellness Building on USC Lancaster's Campus ,

\_\_\_\_\_, which sum is hereafter called the Base Bid.

(Bidder - insert Base Bid Amount on line above)

**Addendum One**  
**SE-330 – LUMP SUM BID**  
**BID FORM**

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Rev. 9/21/2011

§ 6.2 BID ALTERNATES - as indicated in the Bidding Documents and generally described as follows:

**ALTERNATE # 1** (*Brief Description*): Work consists of the interior renovations to the ADA Restroom 101 as shown in the documents.

**ADD TO** or  **DEDUCT FROM BASE BID:** \_\_\_\_\_

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

**ALTERNATE # 2** (*Brief Description*): Work consists of electrical modifications shown on E1 and E2, as well as new starting blocks.

**ADD TO** or  **DEDUCT FROM BASE BID:** \_\_\_\_\_

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

**ALTERNATE # 3** (*Brief Description*): N/A

**ADD TO** or  **DEDUCT FROM BASE BID:** \_\_\_\_\_

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

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**§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED – (See Instructions on the following page BF-2A)**

Bidder shall use the below-listed Subcontractors in the performance of the Subcontractor Specialty work listed:

<b>SUBCONTRACTOR SPECIALTY</b> <b>By License Classification and/or Subclassification</b> (Completed by Owner)	<b>SUBCONTRACTOR'S PRIME CONTRACTOR'S NAME</b> (Must be completed by Bidder) <b>BASE BID</b>	<b>SUBCONTRACTOR'S PRIME CONTRACTOR'S SC LICENSE NUMBER</b>
<b>ALTERNATE 1</b>		
PB (Plumbing)		
<b>ALTERNATE 2</b>		
EL (Electrical)		
<b>ALTERNATE 3</b>		
N/A		

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

## INSTRUCTIONS FOR SUBCONTRACTOR LISTING

1. Section 7 of the Bid Form sets forth a list of subcontractor specialties for which bidder is required to identify by name the subcontractor(s) Bidder will use to perform the work of each listed specialty. Bidder must identify only the subcontractor(s) who will perform the work and no others.
2. For purposes of subcontractor listing, a Subcontractor is an entity who will perform work or render service to the prime contractor to or about the construction site. Material suppliers, manufacturers, and fabricators that will not perform physical work at the site of the project but will only supply materials or equipment to the bidder or proposed subcontractor(s) are not subcontractors and Bidder should not insert their names in the spaces provided on the bid form. Likewise, Bidder should not insert the names of sub-subcontractors in the spaces provided on the bid form but only the names of those entities with which bidder will contract directly.
3. Bidder must only insert the names of subcontractors who are qualified to perform the work of the listed specialties as specified in the Bidding Documents and South Carolina Licensing Laws.
4. If under the terms of the Bidding Documents, Bidder is qualified to perform the work of a specialty listed and Bidder does not intend to subcontract such work but to use Bidder's own employees to perform such work, the Bidder must insert its own name in the space provided for that specialty.
5. If Bidder intends to use multiple subcontractors to perform the work of a single specialty listing, Bidder must insert the name of each subcontractor Bidder will use, preferably separating the name of each by the word **“and”**. If Bidder intends to use both his own employees to perform a part of the work of a single specialty listing and to use one or more subcontractors to perform the remaining work for that specialty listing, bidder must insert his own name and the name of each subcontractor, preferably separating the name of each with the word **“and”**.
6. Bidder may not list subcontractors in the alternative nor in a form that may be reasonably construed at the time of bid opening as a listing in the alternative. A listing that requires subsequent explanation to determine whether or not it is a listing in the alternative is non-responsive. If bidder intends to use multiple entities to perform the work for a single specialty listing, bidder must clearly set forth on the bid form such intent. Bidder may accomplish this by simply inserting the word **“and”** between the name of each entity listed for that specialty. Owner will reject as non-responsive a listing that contains the names of multiple subcontractors separated by a blank space, the word **“or”**, a virgule (that is a /), or any separator that the Owner may reasonably interpret as a listing in the alternative.
7. If Bidder is awarded the contract, bidder must, except with the approval of the owner for good cause shown, use the listed entities to perform the work for which they are listed.
8. If bidder is awarded the contract, bidder will not be allowed to substitute another entity as subcontractor in place of a subcontractor listed in Section 7 of the Bid except for one or more of the reasons allowed by the SC Code of Laws.
9. Bidder's failure to insert a name for each listed specialty subcontractor will render the Bid non-responsive.

**SE-330 – LUMP SUM BID**

**BID FORM**

**§ 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE (FOR INFORMATION ONLY):** Pursuant to instructions in the Invitation for Bids, if any, Bidder will provide to Owner upon the Owner’s request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code Ann § 11-35-3020(b)(i).

**§ 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES**

a. **CONTRACT TIME:** Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Owner. Bidder agrees to substantially complete the Work within **30** calendar days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

b. **LIQUIDATED DAMAGES:** Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the sum of **\$500.00** for each calendar day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This sum is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

**§ 10. AGREEMENTS**

- a. Bidder agrees that this bid is subject to the requirements of the law of the State of South Carolina.
- b. Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.
- c. Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

**§ 11. ELECTRONIC BID BOND**

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, included in the Bidding Documents.

**Electronic Bid Bond Number:** \_\_\_\_\_

**Signature and Title:** \_\_\_\_\_



**SE-330 – LUMP SUM BID  
BID FORM**

**BIDDER'S TAXPAYER IDENTIFICATION**

FEDERAL EMPLOYER'S IDENTIFICATION NUMBER: \_\_\_\_\_

*OR*

SOCIAL SECURITY NUMBER: \_\_\_\_\_

**CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATIONS**

*Classification(s) & Limits:* \_\_\_\_\_

*Subclassification(s) & Limits:* \_\_\_\_\_

*SC Contractor's License Number(s):* \_\_\_\_\_

BY SIGNING THIS BID, THE PERSON SIGNING REAFFIRMS ALL REPRESENTATIONS AND CERTIFICATIONS MADE BY BOTH THE PERSON SIGNING AND THE BIDDER, INCLUDING WITHOUT LIMITATION, THOSE APPEARING IN ARTICLE 2 OF THE INSTRUCTIONS TO BIDDER. THE INVITATION FOR BIDS, AS DEFINED IN THE INSTRUCTIONS TO BIDDERS, IS EXPRESSLY INCORPORATE BY REFERENCE.

**SIGNATURE**

**BIDDER'S LEGAL NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**BY:** \_\_\_\_\_  
*(Signature)*

**DATE:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**TELEPHONE:** \_\_\_\_\_

**EMAIL:** \_\_\_\_\_

## SECTION 01100 - SUMMARY

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes the following:
  - 1. Work covered by the Contract Documents.
  - 2. Work phases.
  - 3. Work under other contracts.
  - 4. Owner-furnished products.
  - 5. Use of premises.
  - 6. Owner's occupancy requirements.
  - 7. Work restrictions.
  - 8. Specification formats and conventions.
- B. Related Sections include the following:
  - 1. Division 1 Section "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

#### 1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: USC Lancaster Renovations to Campus Building: H37-9513.
  - 1. Project Location:
    - a. Gregory Health and Wellness Building, USC Lancaster Campus.
- B. Owner: University of South Carolina
- C. Architect: Goodwyn Mills & Cawood, 101 East Washington Street, Suite 200, Greenville, South Carolina 29601.
- D. The Work consists of the following:
  - 1. Base Bid : The project work consists of interior painting, flooring and minor renovations within the pool area of the Gregory Health and Wellness Building on USC Lancaster's Campus
  - 2. Alternate #1: Work consists of the interior renovations to the ADA Restroom 101 as shown in the documents.
  - 3. Alternate #2: Work consists of electrical modifications shown on E1 and E2, as well as new starting blocks.

#### 1.4 WORK PHASES

- A. The Work shall be conducted in a single phase. The renovations occur in three separate buildings but must occur simultaneously.

#### 1.5 WORK UNDER OTHER CONTRACTS

- A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract. Coordinate the Work of this Contract with work performed under separate contracts.

#### 1.6 OWNER-FURNISHED PRODUCTS

- A. Owner will furnish products indicated.
  - 1. Owner will arrange and pay for delivery of Owner-furnished items according to Contractor's Construction Schedule.
  - 2. Owner will furnish Contractor the earliest possible delivery date for Owner-furnished products. Using Owner-furnished earliest possible delivery dates, Contractor shall designate delivery dates of Owner-furnished items in Contractor's Construction Schedule.

#### 1.7 USE OF PREMISES

- A. General: Contractor shall have limited use of premises for construction operations as indicated on Drawings by the Contract limits.
- B. Use of Site: Limit use of premises to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
  - 1. Owner Occupancy: Allow for Owner occupancy of Project site and use by the public.
  - 2. Driveways and Entrances: Keep driveways, parking garage, loading areas, and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
    - a. Schedule deliveries to minimize use of driveways and entrances.
    - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- C. Use of Existing Building: Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect building and its occupants during construction period.

#### 1.8 OWNER'S OCCUPANCY REQUIREMENTS

- A. Owner Occupancy: Owner will occupy the existing building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits, unless otherwise indicated.

1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
  2. Noisy and/or disruptive work will need to be performed after normal working hours.
- B. Owner Occupancy of Completed Areas of Construction: Owner reserves the right to occupy and to place and install equipment in completed areas of building, before Substantial Completion, provided such occupancy does not interfere with completion of the Work. Such placement of equipment and partial occupancy shall not constitute acceptance of the total Work.
1. Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied before Owner occupancy.
  2. Obtain a Certificate of Occupancy from authorities having jurisdiction before Owner occupancy.
  3. Before partial Owner occupancy, mechanical and electrical systems shall be fully operational, and required tests and inspections shall be successfully completed. On occupancy, Owner will operate and maintain mechanical and electrical systems serving occupied portions of building.
  4. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of building.

#### 1.9 WORK RESTRICTIONS

- A. On-Site Work Hours: Work shall be generally performed inside the existing building during normal business working hours of 7:00 a.m. to 6:00 p.m., Monday through Friday, except otherwise indicated.
1. Weekend Hours: As agreed during the preconstruction meeting.
  2. Early Morning Hours: As agreed during the preconstruction meeting.
  3. Hours for Utility Shutdowns: 7 days prior written notice and Owner prior approval required.
- B. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
1. Notify Owner in writing not less than seven days in advance of proposed utility interruptions.
  2. Do not proceed with utility interruptions without Owner's written permission.

#### 1.10 SPECIFICATION FORMATS AND CONVENTIONS

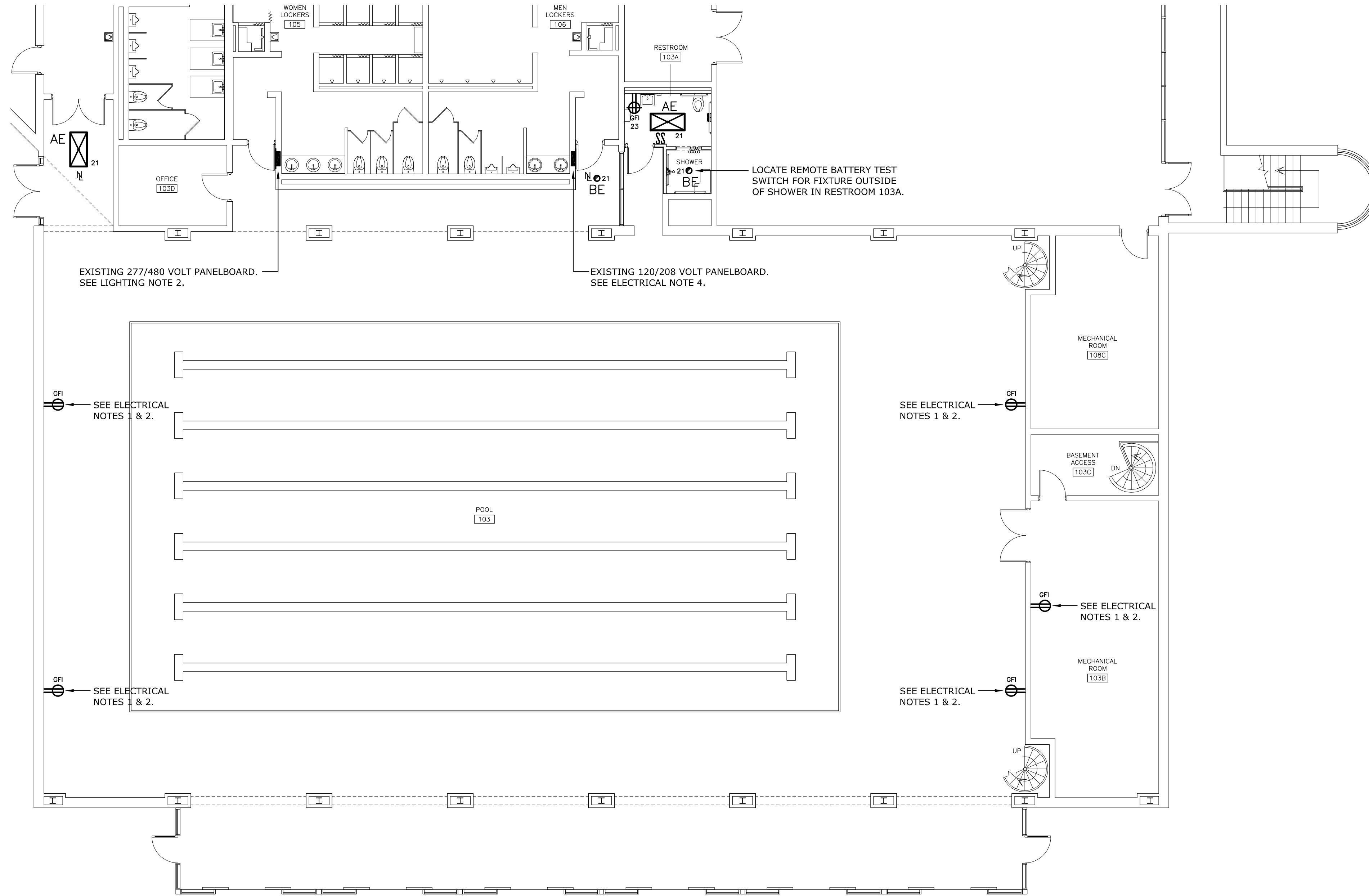
- A. Specification Format: The Specifications are organized into Divisions and Sections using the 16-division format and CSI/CSC's "MasterFormat" numbering system.
1. Section Identification: The Specifications use Section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete because all available Section numbers are not used. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of Sections in the Contract Documents.
  2. Division 1: Sections in Division 1 govern the execution of the Work of all Sections in the Specifications.

3. Sections in Division 1 are written on the assumption that AIA Document A201 (1997 edition) is part of the Contract Documents for this Project.
- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
  2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
    - a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01100



### LIGHTING NOTES

1. NEW CIRCUIT FOR LIGHTING FIXTURES SHALL BE SERVED FROM PANELBOARD "LC".
2. EXISTING PANELBOARD "HC" SHALL BE REMOVED AND REPLACED - PROVIDE NEW PANELBOARD IN ACCORDANCE WITH THE PANELBOARD SCHEDULE SHOWN ON DRAWING E1.00. CUT/PATCH/PAINT EXISTING MASONRY WALL OPENING AS REQUIRED TO ACCOMMODATE NEW PANELBOARD DIMENSIONS - THERE SHALL BE NO GAPS BETWEEN PANEL TRIM AND EXISTING WALL. MODIFY EXISTING RACEWAYS CONNECTED TO THE EXISTING PANELBOARD ENCLOSURE AS REQUIRED TO CONNECT THEM TO THE NEW PANELBOARD ENCLOSURE. RE-CONNECT ALL EXISTING CIRCUITS AND PROVIDE A NEW, TYPEWRITTEN PANELBOARD CIRCUIT SCHEDULE.

NOTE: REMOVE PANEL COVER PRIOR TO ORDERING REPLACEMENT PANEL AND VERIFY LOCATION OF FEEDER LUGS SUCH THAT NEW PANEL WILL BE PROPERLY CONFIGURED TO LAND EXISTING FEEDER CONDUCTORS ON NEW MAIN LUGS. VERIFY SOURCE OF FEEDER PRIOR TO WORKING ON PANELBOARD.

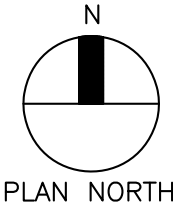
APPROVED MAUNFACTURERS: CUTLER HAMMER, G.E., SIEMENS, AND SQUARE-D.

### ELECTRICAL NOTES

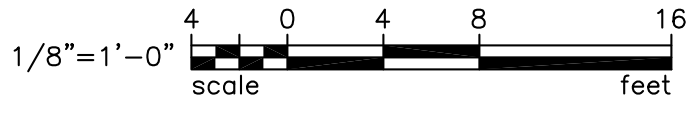
1. RECEPTACLES REFERENCED TO THIS NOTE ARE EXISTING TO BE REPLACED. RECEPTACLES ARE CURRENTLY SERVED FROM PANELBOARD "LC".
2. PROVIDE A LABEL ON EACH RECEPTACLE REFERENCED TO THIS NOTE TO INDICATE THE PANEL AND CIRCUIT NUMBER WHICH SERVES IT AND TO ALSO INDICATE THAT THE RECEPTACLE IS "GFCI" PROTECTED. TEST EACH RECEPTACLE TO ENSURE THAT THEY ARE GFCI PROTECTED.
3. NEW CIRCUIT FOR RECEPTACLE IN RESTROOM 103A SHALL BE SERVED FROM PANELBOARD "LC".
4. EXISTING PANELBOARD "LC" SHALL BE REMOVED AND REPLACED - PROVIDE NEW PANELBOARD IN ACCORDANCE WITH THE PANELBOARD SCHEDULE SHOWN ON DRAWING E1.00. CUT/PATCH/PAINT EXISTING MASONRY WALL OPENING AS REQUIRED TO ACCOMMODATE NEW PANELBOARD DIMENSIONS - THERE SHALL BE NO GAPS BETWEEN PANEL TRIM AND EXISTING WALL. MODIFY EXISTING RACEWAYS CONNECTED TO THE EXISTING PANELBOARD ENCLOSURE AS REQUIRED TO CONNECT THEM TO THE NEW PANELBOARD ENCLOSURE. RE-CONNECT ALL EXISTING CIRCUITS AND PROVIDE A NEW, TYPEWRITTEN PANELBOARD CIRCUIT SCHEDULE.

NOTE: EXISTING PANELBOARD DOES NOT HAVE A MAIN CIRCUIT BREAKER; THE NEW PANELBOARD SHALL HAVE ONE. REMOVE PANEL COVER PRIOR TO ORDERING REPLACEMENT PANEL AND VERIFY LOCATION OF FEEDER LUGS SUCH THAT NEW PANEL WILL BE PROPERLY CONFIGURED TO LAND EXISTING FEEDER CONDUCTORS ON NEW MAIN CIRCUIT BREAKER. VERIFY SOURCE OF FEEDER PRIOR TO WORKING ON PANELBOARD.

APPROVED MAUNFACTURERS: CUTLER HAMMER, G.E., SIEMENS, AND SQUARE-D.

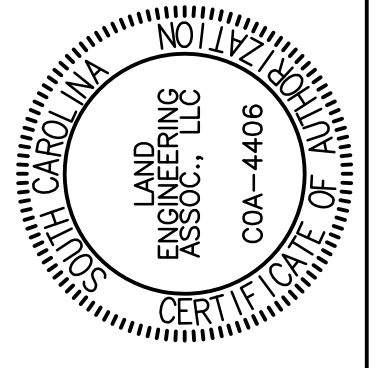


1  
E1.00  
**FIRST FLOOR ELECTRICAL RENOVATION PLAN**  
SCALE: 1/8" = 1'-0"



ISSUE	DATE
Final	06/17/14

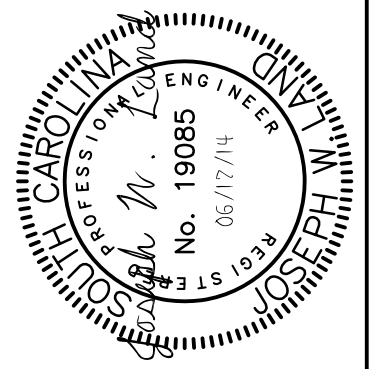
drawn by: KNJ  
checked by: JWL



**GREGORY H&W POOL REPAIRS**

476 Hubbard Dr. Lancaster, SC 29720

GMC # AGRE140014  
OSE # H37-9513  
Owner Review



LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (SYLVANIA)
	AE	2'x4' SPECIFICATION GRADE FLUORESCENT TROFFER WITH ONE BALLAST, 3 LAMPS, AND A 2-LAMP 1400lm BATTERY PACK.	H.E. WILLIAMS	50F-D24-332-F-A12125-F338-EB3 with 1400 LUMEN BATTERY PACK (2-LAMP OPERATION) DAMP LOCATION LISTING	0.125" ACRYLIC LENS	CEILING FLANGE	120	3 - F032/25W/841/XP/SS/ECO3
	BE	6" LENSED DOWNLIGHT WITH WET LOCATION LISTING AND A BATTERY PACK WITH REMOTE TEST SWITCH.	INDY	L6-23-40-1-G2-BR-1600-P-C-L-WH-WET-LB27	PRISMATIC LENS	CEILING FLANGE	120	L.E.D./2300-lumen/4100K

120/208V, 3 PH., 4W, 60 HZ  
100 AMP MAIN BREAKER  
FLUSH MOUNTED, HINGED TRIM  
ENCLOSURE: NEMA-4X STAINLESS STEEL  
BUSBARS: ALUMINUM ONLY (CHLORINE ATMOSPHERE)  
10,000 A.I.C. SYM. (MINIMUM)

PANEL "LC"

LOADS SERVED	BKR. AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR. AMP	LOADS SERVED
* RECEPT. POOL AREA	20	-	1	—	2	-	30	HAIR DRYER, WOMEN LOCKER RM *
* RECEPT. POOL AREA	20	-	3	—	4	-	30	HAIR DRYER, WOMEN LOCKER RM *
LIGHTS, MEN/WOMEN STEAM RMS	20	-	5	—	6	-	30	HAIR DRYER, MEN LOCKER RM *
LIGHTS, MEN/WOMEN HC SHOWER	20	-	7	—	8	-	30	HAIR DRYER, MEN LOCKER RM *
* RECEPT. WHIRLPOOL, MTNG RM	20	-	9	—	10	-	20	ROOF EXHAUST FAN
* RECEPT. POOL AREA, MEZ, MECH.	20	-	11	—	12	-	20	ROOF EXHAUST FAN
* RECEPT. POOL AREA, MEZ, MECH.	20	-	13	—	14	-	20	LIGHTS, MTG ROOM 2, SKYLIGHTS
* RECEPT. WOMEN'S LOCKER ROOM	20	-	15	—	16	-	20	RECEPT. WOMEN'S LOCKER ROOM *
SPARE	20	-	17	—	18	-	20	RECEPT. WOMEN'S LOCKER ROOM *
LIGHTS, PORCH	20	-	19	—	20	-	20	SPARE
LIGHTS, 103A, SHOWER VESTIBULE	20	-	21	—	22	-	20	SPARE
RECEPT. RESTROOM 103A	20	-	23	—	24	-	20	SPARE
SPARE	20	-	25	—	26	-	20	SPARE
* WOMEN'S SAUNA	20	-	27	—	28	-	20	MEN'S SAUNA *
SPARE	20	-	29	—	30	-	20	SPARE

\* PROVIDE A GFCI TYPE CIRCUIT BREAKER.

277/480V, 3 PH., 4W, 60 HZ  
100 AMP - MAIN LUGS ONLY  
FLUSH MOUNTED, HINGED TRIM  
ENCLOSURE: NEMA-4X STAINLESS STEEL  
BUSBARS: ALUMINUM ONLY (CHLORINE ATMOSPHERE)  
42,000 A.I.C. SYM. (MINIMUM)

PANEL "HC"

LOADS SERVED	BKR. AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR. AMP	LOADS SERVED
LIGHTS, POOL AREA	20	-	1	—	2	-	20	LIGHTS, EQUIPMENT ROOM
LIGHTS, POOL AREA	20	-	3	—	4	-	20	LIGHTS, POOL MEZZANINE
SPARE	20	-	5	—	6	-	20	POOL SIDE SOLATIUM
LIGHTS, MEN/WOMEN HC SHOWER	20	-	7	—	8	-	20	LIGHTS, POOL AREA
SPARE	20	-	9	—	10	-	20	LIGHTS, WHIRLPOOL, MECH. ROOM
LIGHTS, MEN'S LOCKER ROOM	20	-	11	—	12	-	20	SPARE
LIGHTS, WOMEN LOCKER, M/W REST	20	-	13	—	14	-	20	SPARE
SPARE	20	-	15	—	16	-	20	SPARE
SPARE	20	-	17	—	18	-	20	SPARE

ELECTRICAL LEGEND	
	EXISTING FLUSH MOUNTED ELECTRICAL PANELBOARD.
	LIGHTING TROFFER WITH EMERGENCY BATTERY AND INTEGRAL TEST SWITCH - SEE LIGHTING FIXTURE SCHEDULE FOR REQUIREMENTS. MOUNT TROFFER IN EXISTING GYPSUM CEILING.
	LIGHTING DOWNLIGHT WITH EMERGENCY BATTERY AND REMOTE TEST SWITCH - SEE LIGHTING FIXTURE SCHEDULE FOR REQUIREMENTS. MOUNT DOWNLIGHT IN EXISTING GYPSUM CEILING.
	SYMBOL INDICATES FIXTURE IS A NIGHT-LIGHT AND SHALL NOT BE SWITCHED.
	COMMERCIAL GRADE SINGLE-POLE LIGHT SWITCH WITH WHITE LEXAN WALLPLATE, RATED 20 AMPS. FLUSH MOUNT SWITCH IN WALL AT 48 INCHES ABOVE FINISHED FLOOR.
	COMMERCIAL GRADE GFCI TYPE DUPLEX RECEPTACLE WITH INTEGRAL SIDE GUARDS TO COVER SCREW TERMINALS AND A WHITE LEXAN WALLPLATE - RATED 20 AMPS, 120 VOLTS. FLUSH MOUNT RECEPTACLE IN WALL AT 42 INCHES ABOVE FINISHED FLOOR.
	INDUSTRIAL GRADE GFCI TYPE DUPLEX RECEPTACLE WITH INTEGRAL SIDE GUARDS TO COVER SCREW TERMINALS - RATED 20 AMPS, 120 VOLTS. FLUSH MOUNT RECEPTACLE IN EXISTING BACKBOX AND PROVIDE A NEW WHITE LEXAN WALLPLATE THAT FULLY COVERS EXISTING BACKBOX OPENING IN WALL.

GENERAL CONSTRUCTION NOTES	
1.	PROVIDE ALL WORK IN ACCORDANCE WITH THE 2011 EDITION OF NFPA 70 (NATIONAL ELECTRICAL CODE) AND THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE.
2.	NEW RACEWAYS SHALL BE 3/4" RIGID ALUMINUM CONDUIT WITH THREADED ALUMINUM FITTINGS UNLESS NOTED OR DETAILED OTHERWISE (CHLORINE ATMOSPHERE).
3.	NEW CONDUCTORS SHALL BE #12 AWG COPPER THWN - MAINTAIN INSULATION COLORS OF EXISTING CIRCUITS. A GREEN #12 AWG INSULATED GROUND WIRE SHALL BE PROVIDED IN ALL RACEWAYS. PROVIDE ALUMINUM JUNCTION BOXES AND FIXTURE WHIPS WHERE REQUIRED TO EXTEND CIRCUITS.
4.	SEISMIC SUPPORTS: PROVIDE TWO SUPPORT WIRES FOR EACH LIGHTING FIXTURE- LOCATE NOT MORE THAN 6 INCHES FROM FIXTURE CORNERS (WHERE APPLICABLE).
5.	INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.
6.	CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO: <ul style="list-style-type: none"> <li>A) INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.</li> <li>B) REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.</li> <li>C) UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.</li> </ul>
PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.	
PATCH EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.	

GENERAL DEMOLITION NOTES	
1.	THERE ARE EXISTING LIGHTING FIXTURES AND LIGHTING SWITCHES IN AREAS WHERE NEW LIGHTING FIXTURES ARE SHOWN. REMOVE AND DISPOSE OF EXISTING LIGHTING FIXTURES AND PROPERLY DISPOSE OF LIGHTING BALLASTS AND LAMPS. REMOVE EXISTING LIGHT SWITCHES AND ASSOCIATED RACEWAY AND WIRING.
2.	REMOVE EXISTING DUPLEX RECEPTACLES - RE-USE EXISTING BACKBOX AND WIRING FOR REPLACEMENT RECEPTACLES.

BUILDING #623

GENERAL NOTES, LEGEND,  
AND SCHEDULES

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sheet  
of

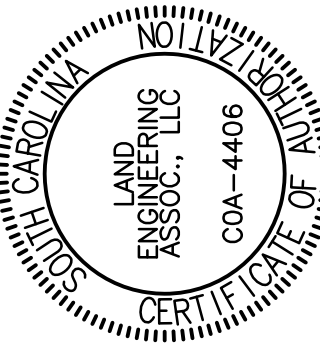
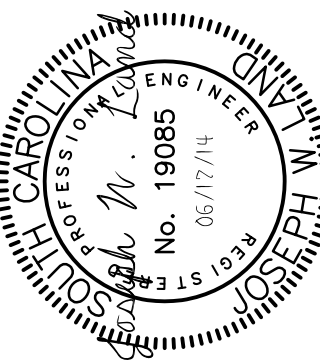
GREGORY H&W POOL REPAIRS

476 Hubbard Dr. Lancaster, SC 29720

GMC # AGRE140014

OSE # H37-9513

Owner Review

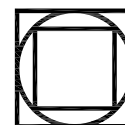


ISSUE DATE

Final 06/17/14

drawn by: KNJ  
checked by: JWL

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