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COMPTROLLER GENERAL



THE DIVISION OF PROCUREMENT SERVICES

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CHAIRMAN, SENATE FINANCE COMMITTEE

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CHAIRMAN, HOUSE WAYS AND MEANS COMMITTEE

GRANT GILLESPIE
EXECUTIVE DIRECTOR

Protest Decision

Matter of: Carolina Gold Construction, LLC and AOS Specialty Contractors

File No.: 2023-001

Posting Date: August 31, 2022

Contracting Entity: University of South Carolina

Project No.: FY22000753

Description: Biomass Concrete Slab Installation

DIGEST

Protest of Intent to Award on the grounds that the University of South Carolina's determination of non-responsibility was clearly erroneous, arbitrary, capricious, or contrary to law is denied for Carolina Gold Construction but granted for AOS Specialty Contractors.

AUTHORITY

Per S.C. Code Ann. § 11-35-4210, the Chief Procurement Officer for Construction (CPOC) conducted an administrative review of nearly identical protests filed by Carolina Gold Construction, LLC (CGC) and AOS Specialty Contractors protesting the University of South Carolina's (UofSC) intention to award a contract to Bullock General Contracting, LLC (Bullock) for demolition of a concrete wall and construction of concrete slab (the Project). CGC's protest is attached as Exhibit A, and AOS's protest is attached as Exhibit B. This decision is based on materials in the procurement file and applicable law and precedents.

BACKGROUND

The following are facts relevant to this protest:

- On July 12, 2022, UofSC published an advertisement in South Carolina Business Opportunities for construction services for the Project. [Exhibit C]
- By the deadline for receipt of bids, UofSC received nine bids. [Exhibit D]

- CGC submitted a low bid of \$92,000, AOS submitted the third lowest bid of \$113,111, and Bullock submitted the fifth lowest bid of \$118,600. [Id.]
- On August 19, 2022, UofSC determined the four lowest bidders to be nonresponsible bidders on the grounds that they lacked the appropriate contractor's license to bid and perform the work of the Project. [Exhibit E]
- On August 19, 2022, posted a Notice of Intent to Award a contract to perform the work of the project to Bullock. [Exhibit F]
- On August 23, 2022, CGC protested UofSC's determination that it was not a responsible bidder.
- On August 30, 2022, AOS protested UofSC's determination that it was not a responsible bidder.

DISCUSSION

The protestants have the burden of proving upon the preponderance of the evidence that UofSC's determination of non-responsibility is "clearly erroneous, arbitrary, capricious, or contrary to law." Protest of Brantley Construction Co., Inc., Case No. 1999-3; Protest of CollegeSource, Inc., Case No. 2008-4; Protest of Value Options, et al., Case No. 2001-7. In this case, UofSC's determinations of non-responsibility are based solely on the provisions of the South Carolina Contractors Licensing Laws and UofSC's interpretation of those laws. The protestants challenge UofSC's interpretation of those laws. Therefore, the CPOC need only examine the Contractors Licensing Laws and licenses shown for each protestant on the Contractors Licensing Board's licensee lookup website to address this protest and determine whether UofSC determinations are clearly contrary to law.

The Contractors Licensing Act requires a contractor to possess the proper license at the time of bidding. S.C. Code Ann § 40-11-30. Possession of the proper contractor license is an issue of responsibility. Protest of Burkwood Construction Company, Inc., Case No. 1997-8; Protest of Roofco, Inc., Case No. 2000-14(I). If CGC lacked the proper license for bidding the work of the Project at the time of bidding, then CGC is not a responsible bidder.¹

At the time of bidding, both CGC and AOS possessed a general contractor's license, with a building classification (BD license).² [Exhibits G and H respectively] The scope of this classification is set forth in SC Code Ann § 40-11-410(1), which states:

"General Contractors-Building" which includes commercial, industrial, institutional, modular, and all other types of building construction, including residential structures. This license classification **includes all work under the subclassifications of Wood Frame Structures-Class II, Interior Renovation, Masonry, Pre-engineered Metal Buildings, General Roofing, and Structural Shapes.** Licensees under this classification **may perform ancillary work**, including grading, **associated with the building or structure which the licensee has been engaged to construct.** However, if a project includes work performed under a Mechanical Contractor subclassification or any of these license

¹ SC Code Ann § 11-40-200(B) precludes an owner or contractor from even considering the bid of an entity or individual that lacks the proper license subclassifications at the time of bidding.

² CGC's license is a General Contractors Limited Building license designated by the Contractor's Licensing Board as an LB license. The limitation of this license has no bearing on this decision and, for convenience, the CPOC uses the same abbreviation for CGC and AOS's General Contracts-Building licenses.

subclassifications, the licensee must have a license for this work or use a contractor licensed in the appropriate license classification or subclassification to perform the work: Swimming Pools, Bridges, Boring and Tunneling, Water and Sewer Lines, Pipe Lines, Railroad Lines, Specialty Roofing, Marine, Water and Sewer Plants, and Asphalt Paving. *[Emphasis added]*.

This project is not associated with the construction of a building but involves the installation of a concrete slab in an existing building. [Exhibit I] The work of installing a concrete slab is covered by the “General Contractors-Specialty” classification with the subclassification of “Concrete” (CT license). S.C. Code Ann. §40-11-410(4)(b). This subclassification is not one of the named subclassifications which a contractor with a BD license may perform. Moreover, because this work is not associated with the construction of a building by the awarded contractor, a BD licensed contractor may not bid and perform this work as “ancillary work.”³

A contractor may bid work outside the scope of its license only if the bidder meets the qualifications for bidding as a “sole prime contractor” as set forth in S.C. Code Ann. § 40-11-340. For a contractor with only an BD license, at least 40% of “the work as measured by the total cost of construction falls under” the BD license.

This project involves two components, demolition of a concrete wall and construction of a concrete slab. [Id.] Demolition does not require a specific contractor’s license but may be performed by any licensed general contractor. [Exhibit J] Therefore, one might argue if the cost of demolition is 40% or more of the total cost of construction, a contractor with only an BD license may bid the work.⁴ Even if one were to accept this argument, it does not help either protestant. The State is entitled to rely on the project architect/engineer’s estimate of probable cost when determining if a bidder was qualified to bid as a sole prime contractor. *See Appeal by Cannon Construction Co., Inc.*, Panel Case No. 2012-4 (finding architect’s estimate, considerably higher than the protestant’s bid, justified investigating the “total cost of construction” to determine if protestant had the proper license). The project engineer for this Project, Davis & Floyd, estimated the demolition to be about 24% of the total cost of construction. Based off this estimate, a contractor with only an BD license is not allowed to bid this project as a sole prime contractor even if the demolition work can be considered for purposes of S.C. Code Ann. § 40-11-340.

The Contractors Licensing Laws preclude an owner or contractor from even considering the bid of an entity or individual that lacks the proper license at the time of bidding. S.C. Code Ann. § 11-40-200(B). Because CGC possesses only a BD license, UofSC’s determination that it was not a responsible bidder not only comported with the law but was mandated by the law.⁵

³ One may reasonably argue that it does not make sense that a BD contractor can self-perform extensive concrete work so long as it is associated with the construction of a building but cannot perform similar concrete work when it is stand alone. Nonetheless, the CPOC and state agencies are not free to interpret the law to say what they would like it to say but must do so in accordance with its actual terms.

⁴ This is an argument the CPOC need not decide in this case.

⁵ CGC argues that it is performing similar work for a political subdivision and therefore, should be able to for the State. However, what CGC is doing on another project is not a basis for interpretation of a Statute which is clear. CGC also argues that UofSC had an obligation to tell bidders which licenses they were required to possess to bid the project. No


AOS, on the other hand, holds more than a BD license. AOS actually possesses 14 General Contractor license classifications and subclassifications. [Exhibit H] One of these is the General Contractors – Highway subclassification of “Bridges.” [Id.] The scope of this classification is set forth in SC Code Ann § 40-11-410(2)(a), which states:

"Bridges" **which include** bridge construction and repairs, railroad trestles and overpasses, and **work under the subclassifications of** Boring and Tunneling, **Concrete**, Marine, and Railroad Lines.

Therefore, AOS is properly licensed to bid and perform the work of the Project.⁶

DECISION

Based on the foregoing, the CPOC denies CGC's protest and grants AOS's protest and remands this matter back to UofSC to proceed in accordance with the Consolidated Procurement Code.



John St. C. White, PE
Chief Procurement Officer for Construction

Columbia, South Carolina

such duty exists in the law. On the other hand, the Contractors Licensing Laws make it the duty of each licensed contractor to know the limits of its license.

⁶ A series of email exchanges internal to UofSC show that by August 22, 2022, UofSC realized its determination regarding AOS was mistaken. The email exchange even discussed revising and reposting the Notice of Intent to Award, something an agency cannot do without CPO approval per Reg. 19-445.2085C.

STATEMENT OF RIGHT TO FURTHER ADMINISTRATIVE REVIEW

Protest Appeal Notice (Revised May 2020)

The South Carolina Procurement Code, in Section 11-35-4210, subsection 6, states:

(6) Finality of Decision. A decision pursuant to subsection (4) is final and conclusive, unless fraudulent or unless a person adversely affected by the decision requests a further administrative review by the Procurement Review Panel pursuant to Section 11-35-4410(1) within ten days of posting of the decision in accordance with subsection (5). The request for review must be directed to the appropriate chief procurement officer, who shall forward the request to the panel or to the Procurement Review Panel, and must be in writing, setting forth the reasons for disagreement with the decision of the appropriate chief procurement officer. The person also may request a hearing before the Procurement Review Panel. The appropriate chief procurement officer and an affected governmental body shall have the opportunity to participate fully in a later review or appeal, administrative or judicial.

Copies of the Panel's decisions and other additional information regarding the protest process is available on the internet at the following web site: <http://procurement.sc.gov>

FILING FEE: Pursuant to Proviso 111.1 of the 2020 General Appropriations Act, "[r]equests for administrative review before the South Carolina Procurement Review Panel shall be accompanied by a filing fee of two hundred and fifty dollars (\$250.00), payable to the SC Procurement Review Panel. The panel is authorized to charge the party requesting an administrative review under the South Carolina Code Sections 11-35-4210(6), 11-35-4220(5), 11-35-4230(6) and/or 11-35-4410...Withdrawal of an appeal will result in the filing fee being forfeited to the panel. If a party desiring to file an appeal is unable to pay the filing fee because of financial hardship, the party shall submit a completed Request for Filing Fee Waiver form at the same time the request for review is filed. *[The Request for Filing Fee Waiver form is attached to this Decision.]* If the filing fee is not waived, the party must pay the filing fee within fifteen days of the date of receipt of the order denying waiver of the filing fee. Requests for administrative review will not be accepted unless accompanied by the filing fee or a completed Request for Filing Fee Waiver form at the time of filing." PLEASE MAKE YOUR CHECK PAYABLE TO THE "SC PROCUREMENT REVIEW PANEL."

LEGAL REPRESENTATION: In order to prosecute an appeal before the Panel, business entities organized and registered as corporations, limited liability companies, and limited partnerships must be represented by a lawyer. Failure to obtain counsel will result in dismissal of your appeal. *Protest of Lighting Services*, Case No. 2002-10 (Proc. Rev. Panel Nov. 6, 2002) and *Protest of The Kardon Corporation*, Case No. 2002-13 (Proc. Rev. Panel Jan. 31, 2003); and *Protest of PC&C Enterprises, LLC*, Case No. 2012-1 (Proc. Rev. Panel April 2, 2012). However, individuals and those operating as an individual doing business under a trade name may proceed without counsel, if desired.

**South Carolina Procurement Review Panel
Request for Filing Fee Waiver
1105 Pendleton Street, Suite 209, Columbia, SC 29201**

Name of Requestor

Address

City

State

Zip

Business Phone

-
1. What is your/your company's monthly income? _____
 2. What are your/your company's monthly expenses? _____
 3. List any other circumstances which you think affect your/your company's ability to pay the filing fee:

To the best of my knowledge, the information above is true and accurate. I have made no attempt to misrepresent my/my company's financial condition. I hereby request that the filing fee for requesting administrative review be waived.

Sworn to before me this

_____ day of _____, 20_____

Notary Public of South Carolina

Requestor/Appellant

My Commission expires: _____

For official use only: _____ Fee Waived _____ Waiver Denied

Chairman or Vice Chairman, SC Procurement Review Panel

This _____ day of _____, 20_____
Columbia, South Carolina

NOTE: If your filing fee request is denied, you will be expected to pay the filing fee within fifteen (15) days of the date of receipt of the order denying the waiver.

Exhibit A

From: [Kayla Arave](#)
To: [Protest-OSE](#)
Cc: [HIKMET, HATICE](#); [Cody Arave](#)
Subject: [External] Attn: Chief Procurement Officer for Construction, Office of State Engineer
Date: Tuesday, August 23, 2022 1:39:41 PM

Formal protest of award. Project #FY22000753.

Carolina Gold Construction, LLC would like to protest the current disqualification for the following reasons:

-The bid documents were not explicitly clear on the requirement of a subclassification to perform work. Refer to project #H27-Z443 50003452 document SE-330 as an example of such a subclassification requirement being defined in the bid documents.

On document SE-330 of the FY22000753 bid manual, no such subclassification requirement is listed.

-Three (3) other contracting firms were disqualified for the same reason in this bid. This appears to be evidence that there was obvious confusion of the need for an additional subclassification for the work.

-Our company is currently doing the same type of concrete work for another state municipality in which we were told that our license category checked out for slab work.

We can be reached for any further questions via email or the number below.

Thank you,

--

Kayla T. Arave
Owner/ General Contractor
Carolina Gold Construction, LLC
111 Northway Rd STE A
Columbia, SC 29205
P:(803) 951-0803
WOSB Certified

Exhibit B

From: [Jane Plante](#)
To: [Protest-OSE](#)
Cc: [Joni Peterson](#); [Chip Stokes](#)
Subject: [External] FY22 F1 St. Operations Budget: Biomass Concrete Slab Installaion
Date: Tuesday, August 30, 2022 8:46:13 AM
Attachments: [image001.png](#)

Dear Sir or Madam,

We received by email the SE-370 Notice of intent to award on the above reference project on 8/29/2022. AOS respectfully protests this award based on the determination of being nonresponsive. Our bridges (BR5) classification covers the classification of concrete structures (CT) and therefore we are properly licensed to perform the work.

Please review the case and we will await your response. I can be reached at anytime to discuss this important matter. My cell number is 803-730-6906.

Thank you,

Jane Plante

Vice President

p: 803-798-6831 **c:** 803-730-6906

a: 1224 Two Notch Road

Lexington, SC 29073

w: aosscc.org **e:** jane@aosscc.org



South Carolina Business Opportunities

Published by Division of Procurement Services - Delbert H. Singleton, Jr., Division Director

Ad Category: Construction

Ad Start Date: July 12, 2022

Agency/Owner: University of South Carolina

Project Name: FY22 Fl. St. Operations Budget-Biomass Concrete Slab Install

Project Number: FY22000753

Construction Cost Range: \$100,000 to \$130,000

Project Location: 1220 Catawba Street, Columbia, SC 29201

Description of Project/Services:

The work includes the installation of a 6-inch thick reinforced concrete slab-on-grade with aggregate base course and the demolition of an existing reinforced concrete knee wall in the University of South Carolina's Biomass Facility. Bidders shall submit bids in accordance of Hand-Delivery or Mail Service only. Small and Minority business participation is highly encouraged

Bid/Submittal Due Date & Time: August 17, 2022 - 3:00pm

Number of Bid/Submittal Copies: 1

Project Delivery Method: Design-Bid-Build

Agency Project Coordinator: Hatice Hikmet

Email: hikmeth@mailbox.sc.edu

Telephone: 1-803-777-9994

Documents May Be Obtained From: Supplier Home Page-solicitation Opportunities

Project Details: <https://supplier.ps.sc.edu>

South Carolina Business Opportunities • SCBO Team • 1201 Main Street, Suite 600 • Columbia, SC 29201
803-737-0600 • scbo@mmo.sc.gov • <https://scbo.sc.gov> • <https://procurement.sc.gov>



Exhibit D



FY22 FI St. Operations Budget Biomass Concrete

FY22000753

August 17, 2022 at 3:00pm

Bidder	Bid Bon	Add		Base Bid
		1	2	
Carolina Gold Construction **	x	x	x	\$92,000.00
Watertight Systems Inc **	x	x	x	\$96,050.00
AOS Specialty **	x	x	x	\$113,111.00
Tolleson Limited **	cc	x	x	\$115,000.00
Bullock General Contracting	x	x	x	\$118,600.00
Tyler Construction Group	x	x	x	\$119,000.00
Corley Construction	x	x	x	\$125,840.00
MSI Construction Co	x		x	\$126,170.00
Hammer Construction	x	x	x	\$126,300.00
** deemed non-responsible -does not have proper license classification**				
Recorded by: Michelle Robinson Procurement Manager				
Read By: Hatice Hikmet, Procurement Specialist				

Exhibit E

JUSTIFICATION FOR DETERMINATION OF NONRESPONSIBILITY

Based upon the State's standards of responsibility, the following determination concerning bidder or offeror capability to meet the terms of the contract as described below is being made pursuant to the authority of Section 11-35-1810(2) of the South Carolina Consolidated Procurement Code.

(1) Carolina Gold Construction
111 Northway Road, Suite A
Columbia, SC 29201
RE: Biomass Concrete Slab Installation FY22000753

(2)
**Per Title 40 of the SC Code of Laws (Professionals and Occupations/Contractors)
Section 40-11-410 (4)(b), License classification and subclassification.**

According to the South Carolina Labor Licensing Regulation (LLR), the offeror is deemed non-responsible due to lack of proper licensure for Concrete (CT) as required per the construction documents.

It is advantageous for the agency to ensure that the offeror that is awarded this bid meet the required qualification and possesses the level of expertise to perform the work detailed in the bid document

August 19, 2022

DATE

Uof SC Procurement Office

GOVERNMENTAL BODY

Hatice Hikmet

SIGNATURE

Procurement Specialist

TITLE

Notes: (1) Enter name and address of firm being considered nonresponsible.
(2) Enter determination of nonresponsibility

Distribution: Original copy retained in contract file. Carbon copy furnished to nonresponsible bidder or offeror.

**JUSTIFICATION FOR
DETERMINATION OF NONRESPONSIBILITY**

Based upon the State's standards of responsibility, the following determination concerning bidder or offeror capability to meet the terms of the contract as described below is being made pursuant to the authority of Section 11-35-1810(2) of the South Carolina Consolidated Procurement Code.

(1) Watertight Systems Inc
360 Riverchase Way
Lexington, SC 29072
RE: Biomass Concrete Slab Installation FY22000753

(2)
**Per Title 40 of the SC Code of Laws (Professionals and Occupations/Contractors)
Section 40-11-410 (4)(b), License classification and subclassification.**

According to the South Carolina Labor Licensing Regulation (LLR), the offeror is deemed non-responsible due to lack of proper licensure for Concrete (CT) as required per the construction documents.

It is advantageous for the agency to ensure that the offeror that is awarded this bid meet the required qualification and possesses the level of expertise to perform the work detailed in the bid document

August 19, 2022

DATE

Uof SC Procurement Office

GOVERNMENTAL BODY

Hatice Hikmet

SIGNATURE

Procurement Specialist

TITLE

Notes: (1) Enter name and address of firm being considered nonresponsible.
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Distribution: Original copy retained in contract file. Carbon copy furnished to nonresponsible bidder or offeror.

**JUSTIFICATION FOR
DETERMINATION OF NONRESPONSIBILITY**

Based upon the State's standards of responsibility, the following determination concerning bidder or offeror capability to meet the terms of the contract as described below is being made pursuant to the authority of Section 11-35-1810(2) of the South Carolina Consolidated Procurement Code.

(1) AOS Specialty Contractors, Inc.
1224 Two Notch Road
Lexington, SC 29073
RE: Biomass Concrete Slab Installation FY22000753

(2)
**Per Title 40 of the SC Code of Laws (Professionals and Occupations/Contractors)
Section 40-11-410 (4)(b), License classification and subclassification.**

According to the South Carolina Labor Licensing Regulation (LLR), the offeror is deemed non-responsible due to lack of proper licensure for Concrete (CT) as required per the construction documents.

It is advantageous for the agency to ensure that the offeror that is awarded this bid meet the required qualification and possesses the level of expertise to perform the work detailed in the bid document

August 19, 2022

DATE

Uof SC Procurement Office

GOVERNMENTAL BODY

Hatice Hikmet

SIGNATURE

Procurement Specialist

TITLE

Notes: (1) Enter name and address of firm being considered nonresponsible.
(2) Enter determination of nonresponsibility

Distribution: Original copy retained in contract file. Carbon copy furnished to nonresponsible bidder or offeror.

**JUSTIFICATION FOR
DETERMINATION OF NONRESPONSIBILITY**

Based upon the State's standards of responsibility, the following determination concerning bidder or offeror capability to meet the terms of the contract as described below is being made pursuant to the authority of Section 11-35-1810(2) of the South Carolina Consolidated Procurement Code.

(1) Tolleson Limited Company
305 Stoneridge Dr. Suite A
Columbia, SC 29210
RE: Biomass Concrete Slab Installation FY22000753

(2)
**Per Title 40 of the SC Code of Laws (Professionals and Occupations/Contractors)
Section 40-11-410 (4)(b), License classification and subclassification.**

According to the South Carolina Labor Licensing Regulation (LLR), the offeror is deemed non-responsible due to lack of proper licensure for Concrete (CT) as required per the construction documents.

It is advantageous for the agency to ensure that the offeror that is awarded this bid meet the required qualification and possesses the level of expertise to perform the work detailed in the bid document

August 19, 2022

DATE

Uof SC Procurement Office

GOVERNMENTAL BODY

Hatice Hlikmot

SIGNATURE

Procurement Specialist

TITLE

Notes: (1) Enter name and address of firm being considered nonresponsible.
(2) Enter determination of nonresponsibility

Distribution: Original copy retained in contract file. Carbon copy furnished to nonresponsible bidder or offeror.

SE-370

NOTICE OF INTENT TO AWARD DESIGN-BID-BUILD CONTRACT

AGENCY: Univeristy of South CarolinaPROJECT NAME: FY22 Fl.St. Operations Budget: Biomass Concrete Slab InstallationPROJECT NUMBER: FY22000753POSTING DATE: 8/19/2022**TO ALL BIDDERS:**

Unless stayed by protest or canceled, the Agency intends to enter into a contract as noted below. The successful bid will be accepted, and the contract formed by execution of the contract documents. All bid bonds remain in effect for the bid acceptance period as provided in Section 4 of the Bid Form, except as otherwise provided in the Instructions to Bidders.

NAME OF BIDDER: Bullock General Contracting, LLCDATE BIDS WERE OPENED: 08-17-2022**BID INFORMATION:**BASE BID AMOUNT: \$ 118,600.00ALTERNATES: #1 ACCEPTED ☐ \$ _____#2 ACCEPTED ☐ \$ _____#3 ACCEPTED ☐ \$ _____TOTAL BID AMOUNT: \$ 118,600.00TOTAL CONTRACT AWARD: \$ 118,600.00

(If the Total Contract Award is different from the Total Bid Amount, explain any negotiations that resulted in the change): _____

REMARKS: (If "No Contract to Be Awarded" was entered above, provide reason here.): _____

Contractor should not incur any costs associated with the contract prior to receipt of a contract from the Agency for execution. Contractor should not perform any work before receipt of the Agency's written Notice to Proceed.

RIGHT TO PROTEST (SC Code § 11-35-4210)

Any actual bidder, offeror, contractor, or subcontractor who is aggrieved in connection with the intended award or award of this contract may be entitled to protest. To protest an award, you must (i) submit notice of your intent to protest within seven (7) business days of the date the award notice is posted, and (ii) submit your actual protest within fifteen (15) days of the date the award notice is posted. Days are calculated as provided in Section 11-35-310(13). Both protests and notices of intent to protest must be in writing and must be received by the appropriate Chief Procurement Officer within the time provided.

PROTEST - CPO ADDRESS - OSE: Any protest must be addressed to the Chief Procurement Officer for Construction, Office of State Engineer, and submitted in writing (a) by email to: protest-ose@mmo.sc.gov, or (b) by post or delivery to 1201 Main Street, Suite 600, Columbia, SC 29201. By submitting a protest to the foregoing email address, you (and any person acting on your behalf) consent to receive communications regarding your protest (and any related protests) at the email address from which you sent your protest.

Hatice Hikmet

(Agency Procurement Officer Signature)

Hatice Hikmet, Procurement Specialist

(Print or Type Name)

INSTRUCTIONS TO THE AGENCY:

1. Post a copy of the SE-370 at the location specified by the Instructions to Bidders and announced at the Bid Opening.
2. Send the SE-370 and the final Bid Tabulation electronically to all Bidders and OSE (if required) the same day it is posted.

[Print this page](#)**Board: Commercial Contractors****CAROLINA GOLD CONSTRUCTION**

111 NORTHWAY ROAD STE A

COLUMBIA, SC 29201

(803)951-0803

License number: 123032**License type:** GENERAL CONTRACTOR**Status:** ACTIVE**Expiration:** 10/31/2022**First Issuance Date:** 09/30/2020**Classification:**

Limited Building-LB3

Qualified By: Financial Statement**President / Owner:** KAYLA T ARAVE / CODY B ARAVE[Click here for Classification definitions and licensee's contract dollar limit](#)**Supervised By****ARAVE KAYLA (CQG)**[File a Complaint against this licensee](#)**Board Public Action History:**[View Orders](#)[View Other License for this Person](#)

No Orders Found

[Print this page](#)**Board: Commercial Contractors****AOS SPECIALTY CONTRACTORS INC**

1224 TWO NOTCH RD
LEXINGTON, SC 29073-3747
(803) 798-6831

License number: 111758**License type:** GENERAL CONTRACTOR**Status:** ACTIVE**Expiration:** 10/31/2024**First Issuance Date:** 07/27/2005**Classification:**

Building-BD5

Asphalt Paving-AP5

Concrete Paving-CP5

Grading-GD5

Highway Incidental-HI5

Water & Sewer Lines-WL5

Interior Renovation-IR5

Masonry-MS5

Swimming Pools-SP5

Boring & Tunneling-BT5

Water & Sewer Plants-WP5

Public Electrical Utility-2U5

Marine-MR5

Bridges-BR5

Qualified By: Financial Statement**President / Owner:** DIANNE RUSHING[Click here for Classification definitions and licensee's contract dollar limit](#)**Supervised By****PLANTE JANE (CQG)****RUSHING DIANNE (CQG)****SWEATT ANTHONY (CQG)**[File a Complaint against this licensee](#)**Board Public Action History:**

View Orders

View Other License for this Person

No Orders Found

GENERAL

- FORKLIFT AND MOVABLE EQUIPMENT:**
 DESIGN VEHICLE: FORKLIFT - 6,000 LB CAPACITY
 WHEEL LOAD: 8,710 LBS (6,700 LBS + 30% IMPACT)
 TIRE CONTACT AREA: 85 SQUARE INCHES

GENERAL

7. THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER OF RECORD FOR ALL STRUCTURAL COMPONENTS. STRUCTURAL DRAWINGS ARE NOT TO BE REPRODUCED FOR SHOP DRAWINGS, SECTION SHEETS OR ERECTION PLANS. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR ALL DIMENSIONS, ELEVATIONS AND ERECTION PROCEDURES PRIOR TO STRUCTURAL ENGINEER OF RECORD'S REVIEW.

1. AN INDEPENDENT TESTING AGENCY SHALL BE RETAINED BY THE OWNER TO PERFORM TESTING OF EARTHWORK. ALL FOOTING AND SLAB SUB-GRADING SHALL BE INSPECTED AND APPROVED BY THE TESTING AGENCY. ALL FILL TO BE PLACED AND ALL EROSION SHALL BE MONITORED BY THE TESTING AGENCY. ALL BACKFILL MATERIALS SHALL BE APPROVED BY THE TESTING AGENCY PRIOR TO PLACEMENT.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL SERVICE AND UTILITY LINES ON THE SITE PRIOR TO BEGINNING EXCAVATION. ALL UTILITIES WITHIN THE STRUCTURE'S FOOTPRINT SHALL BE RELOCATED UNLESS NOTICED OTHERWISE AND THE COST OF RELOCATION SHALL BE PART OF THE CONTRACT.
3. EXCAVATIONS REQUIRING MORE THAN 4 FEET OF SOIL REMOVAL SHALL BE ADEQUATELY SHORED OR LAID BACK TO PREVENT SIDE WALL CAVING OR COLLAPSE.
4. PLACE STRUCTURAL FILL IN LOOSE LIFTS OF 8" MAX AND METHODICALLY COMPACT WITH HEAVY COMPACTION EQUIPMENT TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698). THE UPPER 18" BENEATH PAVEMENT AND SLABS SHALL BE COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. USE LIGHT WEIGHT HAND OPERATED COMPACTION EQUIPMENT WITHIN 10 FT OF RETAINING WALLS.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF SUBSURFACE CONDITIONS ARE FOUND TO DEVIATE FROM THESE DRAWINGS OR PROJECT GEOTECHNICAL REPORT.
6. PROVIDE SHORING, BRACING, AND SHEETING IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), "SAFETY AND HEALTH REQUIREMENTS FOR CONSTRUCTION".
7. SUBMIT ALL TEST REPORTS TO THE ENGINEER OF RECORD FOR REVIEW.

SUBMITTALS: PRODUCT DATA, CONCRETE MIX DESIGNS, LABORATORY TEST REPORTS, AND SHOP DRAWINGS																																
2.	COMPLY WITH ASTM C 94, ACI 318 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AND CRSIS "MANUAL OF STANDARD PRACTICE" (LATEST EDITIONS)																															
3.	DEFORMED REINFORCING BARS: ASTM A615, GRADE 60.																															
4.	SMOOTH OWEL BARS: ASTM A615, GRADE 60.																															
5.	WELDED WIRE FABRIC: ASTM A1064, FLAT SHEETS.																															
6.	CARBON-STEEL-WIRE FIBER: ASTM A620, TYPE 1, COLD-DRAWN WIRE, DEFORMED.																															
7.	PORTLAND CEMENT: ASTM C150, TYPE II // I.																															
8.	FLY ASH: ASTM C618, TYPE F (LIMITED TO 15% OF TOTAL CEMENT CONTENT).																															
9.	PROPORTION NORMAL WEIGHT CONCRETE MIXES TO PROVIDE THE FOLLOWING PROPERTIES UNLESS NOTED OTHERWISE :																															
A. SLABS-ON-GRADE:																																
A.1 COMPRESSIVE STRENGTH:		4000 PSI AT 28 DAYS																														
A.2 WATER-CEMENT RATIO:		0.50 MAXIMUM AT POINT OF PLACEMENT																														
A.3 AIR CONTENT:		SHALL NOT EXCEED 3% FOR FINISHED SLABS																														
A.4 STEEL FIBER CONTENT: (IF APPLICABLE)		40 LBS PER CUBIC YARD MINIMUM																														
10.	UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE "ACI DETAILING MANUAL-2020".																															
11.	ALL REINFORCING BAR SPICE LENGTHS AND LOCATIONS, EMBEDMENT LENGTHS, HOOKS, ETC. SHALL BE MADE AS SHOWN ON THE DRAWINGS. DEVIATIONS SHALL NOT BE MADE UPON APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.																															
12.	PROVIDE CLASS B LAP SPLICES IN ACCORDANCE WITH ACI 318. TYPICAL TENSION AND COMPRESSION REINFORCEMENT SPLICES TO BE MADE AS FOLLOWS UNLESS NOTED OTHERWISE. TOP BARS ARE DEFINED TO BE HORIZONTAL BARS WITH MORE THAN 1/2 OF FRESH CONCRETE CAST BELOW.																															
<table> <tr> <th>BAR NO.</th><th>TOP BARS</th><th>OTHER BARS</th></tr> <tr> <td>#3</td><td>24"</td><td>19"</td></tr> <tr> <td>#4</td><td>32"</td><td>25"</td></tr> <tr> <td>#5</td><td>40"</td><td>31"</td></tr> <tr> <td>#6</td><td>48"</td><td>37"</td></tr> <tr> <td>#7</td><td>70"</td><td>54"</td></tr> <tr> <td>#8</td><td>80"</td><td>62"</td></tr> <tr> <td>#9</td><td>91"</td><td>70"</td></tr> <tr> <td>#10</td><td>102"</td><td>79"</td></tr> <tr> <td>#11</td><td>113"</td><td>87"</td></tr> </table>			BAR NO.	TOP BARS	OTHER BARS	#3	24"	19"	#4	32"	25"	#5	40"	31"	#6	48"	37"	#7	70"	54"	#8	80"	62"	#9	91"	70"	#10	102"	79"	#11	113"	87"
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SPICE LENGTHS SHOWN ABOVE ARE FOR 4000 PSI NORMAL WEIGHT CONCRETE ONLY. SPLICES IN LIGHTWEIGHT CONCRETE SHALL BE INCREASED BY AN AMPLITUDE OF 1.3.																																
13.	WELDED WIRE FABRIC SHALL BE LOCATED IN THE UPPER THIRD OF SLABS AND SHALL BE LAPPED A MINIMUM OF 8 INCHES AT ALL SPLICES UNLESS NOTED OTHERWISE.																															
14.	PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCEMENT AT REQUIRED POSITIONS. SUPPORTS SHALL CONSIST OF WIRE, PLASTIC, OR PRECAST CONCRETE IN ACCORDANCE WITH CRSIS "MANUAL OF STANDARD PRACTICE".																															
15.	PROVIDE MINIMUM COVER PER ACI 318 AND AS FOLLOWS UNLESS NOTED OTHERWISE:																															
CONCRETE CAST AGAINST EARTH		COVER 3"																														
CONCRETE EXPOSED TO EARTH OR WEATHER																																
#6 BAR AND LARGER		2"																														
#5 BAR AND SMALLER		1-1/2"																														
CONCRETE NOT EXPOSED TO EARTH OR WEATHER																																
SLABS, WALLS, OR JOIST		3/4"																														
BEAMS OR COLUMNS		1-1/2"																														
16.	UNLESS OTHERWISE NOTED, CHAMFER ALL EXPOSED CONCRETE CORNERS WITH A 3/4 INCH X 45 DEGREE CHAMFER.																															
17.	REFER TO DRAWINGS OF OTHER TRADES FOR PENETRATIONS IN CONCRETE FLOORS, REQUIRING SLEEVES OR OTHER EMBEDDED ITEMS NOT SHOWN.																															
18.	CROSS REFERENCE ALL CONSTRUCTION DOCUMENTS FOR DIMENSIONS AND LOCATIONS NOT SPECIFICALLY SHOWN. INFORM THE STRUCTURAL ENGINEER OF RECORD IN WRITING OF MISSING INFORMATION OR CONFLICTS.																															
19.	DO NOT ADD WATER TO CONCRETE DURING DELIVERY, AT PROJECT SITE, OR DURING PLACEMENT UNLESS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.																															
20.	BEGIN CURING UNFORMED CONCRETE AFTER FINISHING. KEEP CONCRETE CONTINUOUSLY MOIST FOR AT LEAST 7 DAYS OR APPLY MEMBRANE FORMING CURING COMPOUND TO CONCRETE. GENERAL CONTRACTOR SHALL VERIFY COMPLETION IS COMPATIBLE WITH ALL FLOOR COVERINGS AND COATINGS.																															
21.	FORM-1/2" WIDE SAW CUT JOINTS WITH POWER SAWS WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE CONCRETE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CRACKING. SEE DETAILS FOR ADDITIONAL INFORMATION.																															
22.	SLAB FINISHES: TROWEL EXPOSED FLOOR SURFACES OR FLOOR SURFACES TO RECEIVE FLOOR COVERINGS, PAINT OR OTHER THIN FILM FINISH COATING. PROVIDE NON-SLIP BROOM FINISH ON EXTERIOR CONCRETE PLATFORMS, STEPS, AND RAMPS.																															
23.	SPECIFIED OVERALL VALUES OF FLATNESS, F, 25; AND OF LEVELNESS, F, 20, WITH MINIMUM LOCAL VALUES OF FLATNESS, F, 17; AND OF LEVELNESS, F, 15, FOR SLABS ON GRADE.																															
24.	WHEN CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE INTERFACE SHALL BE CLEAN AND FREE OF LAITANCE.																															
25.	ALL CONCRETE SHALL BE CONSOLIDATED USING HIGH FREQUENCY, INTERNAL MECHANICAL VIBRATING EQUIPMENT, SUPPLEMENTED BY HAND SPADING AND TAMPING																															
26.	AN INDEPENDENT TESTING AGENCY SHALL BE RETAINED BY THE OWNER TO PERFORM TESTING AND TO SUBMIT TEST REPORTS.																															
27.	PROTECT CONCRETE FROM DAMAGE, REPAIR CONCRETE SURFACE DEFECTS WITH METHODS AND MATERIALS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.																															
28.	ANCHORING ADHESIVE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SHALL BE ONE OF THE FOLLOWING, UNLESS NOTED OTHERWISE:																															
A. AHLIT H2Y20																																
B. SIMPSON STRONG TIE SET-XP																																

SCHEDULE OF SPECIAL INSPECTIONS

AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE, SPECIAL INSPECTIONS AND/OR MATERIALS TESTING SHALL BE PERFORMED FOR THE ITEMS SPECIFIED IN THE TABLE BELOW.

SCHEDULE OF SPECIAL INSPECTIONS - IBC CHAPTER 17			
MATERIAL/ACTIVITY	SCOPE OF SERVICE	REFERENCED STANDARD	IBC REFERENCE
1705.3 CONCRETE CONSTRUCTION			
Inspect Reinforcing Steel Installation.	Periodic Inspections. Inspect size, grade, and location of reinforcing steel, including prestressing tendons, prior to concrete placement.	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
Inspection of Anchors Cast in Concrete.	Periodic Inspection. Verify that anchors to be cast in are the correct size and grade as specified and installed to the embedment depths specified.	ACI 318: 17.8.2	-----
Adhesive Anchors Post-Installed in Hardened Concrete Horizontal or Upwardly Inclined to Resist Sustained Tension Loads.	Continuous Inspections. Verify that anchors are the correct size and grade as specified and installed to the embedment depths specified and installed per the adhesive manufacturer's instructions.	ACI 318: 17.8.2.4	-----
Mechanical and Other Adhesive Anchors Post-Installed in Hardened Concrete.	Periodic Inspections. Verify that anchors are the correct size and grade as specified and installed to the embedment depths specified and installed per the manufacturer's instructions.	ACI 318: 17.8.2	-----
Verification of Required Mix Design.	Periodic Inspections. Review submittals and verify mix submitted for approval is mix delivered to job site.	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
Fresh Concrete Sampling.	Continuous Inspection. Make cylinders for compressive strength test. Test slump, air content, and temperature.	ASTM: C172, C31, C143, C231, C1064; ACI 318: 26.4, 26.12	1908.10
Inspection of Concrete Placement.	Continuous Inspection. Inspect concrete placement for proper application techniques.	ACI 318: 26.5	1908.6, 1908.7, 1908.8
Inspection of Concrete Curing Operations.	Periodic Inspections. Inspect concrete curing for proper techniques and maintenance of proper curing temperature.	ACI 318: 26.5.3 – 26.5.5	1908.9
Evaluation of Concrete Strength.	Periodic Inspections. Perform concrete compressive strength tests on cylinders and report on results.	ASTM C39	-----
Verification of Concrete Strength.	Periodic Inspections. Verify in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shoring and forms in cast-in-place concrete.	ACI 318: 26.11.2	-----
Inspection of Concrete Formwork.	Periodic Inspections. Inspect concrete formwork for shape, location, and dimensions of the concrete member being formed.	ACI 318: 26.11.2 (b)	-----
1705.6 SOILS			
Excavations.	Periodic Inspections. Verify excavations are extended to proper depth and have reached proper material.	-----	-----
Compacted Fill Materials.	Periodic Inspections. Perform classification and testing of compacted fill materials.	-----	-----
Placement of Compacted Fill.	Continuous Inspections. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of compacted fill.	-----	-----
Preparation for Compacted Fill.	Periodic Inspections. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	-----	-----

SPECIAL INSPECTIONS NOTES:

3. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE GUIDELINES OF THE SOUTH CAROLINA DEPARTMENT OF LABOR, LICENSING AND REGULATION (LLR) SPECIAL INSPECTIONS MANUAL.
2. INSPECTIONS BY AN INDEPENDENT, THIRD PARTY, TESTING AGENCIES AND OTHERS TO ENSURE COMPLIANCE WITH SPECIAL INSPECTIONS REQUIRED BY THE BUILDING CODE ARE THE RESPONSIBILITY OF THE OWNER AT NO ADDITIONAL COST TO THE CONTRACTOR. THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE OWNERS AGENT SHALL EMPLOY ONE OR MORE LICENSED/CERTIFIED SPECIAL INSPECTORS TO PERFORM THE REQUIRED INSPECTIONS OR SERVICES LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THIS INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR QUALITY CONTROL OF CONSTRUCTION, JOB SITE SAFETY, MEANS AND METHODS OF CONSTRUCTION AND ADHERENCE TO THE CONSTRUCTION DOCUMENTS.
3. SPECIAL INSPECTORS SHALL SUBMIT THEIR QUALIFICATIONS TO THE BUILDING OFFICIAL FOR APPROVAL FOR EACH TYPE OF WORK THAT THEY HAVE BEEN EMPLOYED TO INSPECT OR TEST.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTORS 48 HOURS IN ADVANCE PRIOR TO WORK REQUIRING TESTING AND OBSERVATION BEING PERFORMED. THE CONTRACTOR SHALL PROVIDE ACCESS TO AND MEANS FOR SAFE AND PROPER INSPECTION OF THE WORK.
5. AFTER EACH INSPECTION, THE SPECIAL INSPECTOR SHALL COMPLETE A SPECIAL INSPECTOR'S DAILY REPORT FORM AND PROVIDE IT TO THE GENERAL CONTRACTOR. ANY DISCREPANCY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR AND NOTED ON THE DAILY REPORT FORM. ALL FIELD DISCREPANCIES OBSERVED DURING SPECIAL INSPECTIONS SHALL BE RESOLVED.
6. THE SPECIAL INSPECTOR SHALL SUBMIT A WEEKLY REPORT TO THE BUILDING OFFICIAL AND THE ARCHITECT OR ENGINEER OF RECORD UNTIL ALL WORK REQUIRING SPECIAL INSPECTIONS IS COMPLETE. WEEKLY REPORTS SHALL INCLUDE THE FOLLOWING:
 - A. SUMMARY OF WORK PERFORMED DURING REPORTING TIME FRAME
 - B. DISCREPANCIES WITH THE APPROVED DRAWINGS OR SPECIFICATIONS OBSERVED
 - C. A LIST OF DISCREPANCIES REQUIRING RESOLUTION
 - D. DISCREPANCIES THAT WERE RESOLVED OR CORRECTED
 - E. ALL APPLICABLE TEST RESULTS
7. WHEN THE WORK REQUIRING SPECIAL INSPECTIONS IS COMPLETED AND ALL DISCREPANCIES HAVE BEEN RESOLVED, THE SPECIAL INSPECTOR SHALL SUBMIT A COMPLETION REPORT TO THE BUILDING OFFICIAL, THE OWNER OR THE OWNER'S AGENT, THE ARCHITECT OR ENGINEER OF RECORD, AND THE GENERAL CONTRACTOR.
8. STRUCTURAL OBSERVATIONS: WHEN REQUIRED BY THE PROVISIONS OF IBC SECTION 1704.6, THE OWNER SHALL EMPLOY A REGISTERED DESIGN PROFESSIONAL TO PERFORM STRUCTURAL OBSERVATIONS FOR GENERAL CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

A. STRUCTURAL OBSERVATIONS FOR STRUCTURES: **NOT REQUIRED**

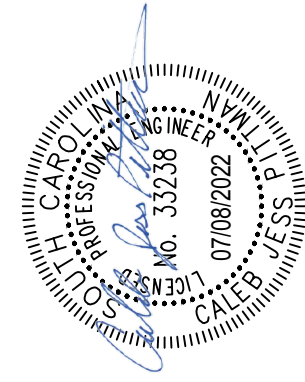
B. STRUCTURAL OBSERVATIONS FOR SEISMIC RESISTANCE: **NOT REQUIRED**

C. STRUCTURAL OBSERVATIONS FOR WIND RESISTANCE: **NOT REQUIRED**

D. PRIOR TO THE COMMENCEMENT OF STRUCTURAL OBSERVATIONS, THE STRUCTURAL OBSERVER SHALL SUBMIT A WRITTEN STATEMENT IDENTIFYING THE FREQUENCY AND EXTENT OF OBSERVATIONS TO THE BUILDING OFFICIAL.

E. WHEN THE WORK REQUIRING STRUCTURAL OBSERVATION IS COMPLETE, THE STRUCTURAL OBSERVER SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THEIR KNOWLEDGE, HAVE NOT BEEN RESOLVED.

INDEX OF DRAWINGS		
	SHEET NAME	ISSUE DATE
S001	STRUCTURAL NOTES	07/08/2022
S100	SLAB PLAN, SECTIONS & DETAILS	07/08/2022



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240 STONERIDGE DRIVE, SUITE 305
COLUMBIA, SC 29210

UNIVERSITY OF SOUTH CAROLINA
COLUMBIA SOUTH CAROLINA

THE TIONIC DIRECT

PROJECT TITLE
Y22 FL. ST. OPERATIONS BUDGET -
MASS CONCRETE SLAB INSTALLATION

STRUCTURAL NOTES

JOB NO.	NO.	RELEASED	CHECKED	DATE
013984.01	0			09/06/2022
DATE				
JULY 2022				
ISSUED FOR BUILDING				
DATE				
01/07/2022				
C/P				
CONWAY				
WCS				
RECEIVED				
RGS				
APPROVED				
TJW				





NO SPECIFIC LICENSE REQUIRED

ALTHOUGH NO SPECIFIC LICENSE IS REQUIRED TO PERFORM THE FOLLOWING WORK LISTED BELOW, PORTIONS OF THE WORK THAT ARE REGULATED BY THIS BOARD MAY REQUIRE A GENERAL CONTRACTOR OR MECHANICAL CONTRACTOR LICENSE WITH THE APPROPRIATE CLASSIFICATION(S) PURSUANT TO SC CODE ANN. §40-11-410 WHEN THE TOTAL COST OF CONSTRUCTION FOR THE REGULATED WORK IS GREATER THAN \$5000.

- ASBESTOS REMOVAL (SC-DHEC)
- BILLBOARDS / SIGNS¹
- COMMERCIAL CARPET INSTALLATION
- CLEANING DUCTS²
- CLEANING STORM DRAINS²
- CLEANING WATER / SEWER LINES²
- CLEANING TANKS²
- COMMUNICATIONS (telephone/computers)³
- CRANES (temporary, assembly, maintenance, and transporting)
- DEBRIS REMOVAL
- DEMOLITION (SC-DHEC)
- ELEVATORS (LLR-Elevators)
- NON-REGULATED EQUIPMENT (assembly and setting only)⁷
- EXTERIOR RECREATIONAL SURFACES⁵
- EXTERIOR SIDING (commercial)⁶
- FENCING (except Concrete, Masonry or Electric)¹⁰
- FIRE SUPPRESSION SYSTEMS⁴
- HAULING
- HOOD SYSTEMS⁸
- IRRIGATION (except back flow device)
- LAND CLEARING / GRUBBING
- LANDSCAPING
- LOW VOLTAGE CABLE WIRING AND INSTALLATION (except Boring & Tunneling)
- PEDESTRIAN BRIDGES⁹
- PILE DRIVING (unless water activity)
- PLAYGROUND EQUIPMENT
- PRESSURE VESSELS (except Boilers)
- SCALES (SC Dept. of Agriculture)
- SCAFFOLDING (non-permanent)
- SCORE BOARDS¹
- SEPTIC TANKS (SC-DHEC)
- WELL DRILLING (LLR-Environmental Board)

A license is required for any regulated work listed below if the total cost of construction is greater than \$5000:

1. Internal electrical work does not require a license; however, the final connection to the power source requires the "Electrical" license classification.
2. Cleaning only. Disassembly/modification/repair/replacement requires licensure: Ductwork = "Air Conditioning" or "Packaged Equipment" license classification. Storm Drains/Water/Sewer Lines = "Water & Sewer Lines" license classification. Tanks (depends on type of tank): "Pipelines", "A/C" or "PK", "Plumbing", "Refrigeration", or "Water & Sewer Lines" license classification.
3. Communication Towers require a "Structural Framing" license classification. A communications building requires a "Building" license classification. A concrete slab or foundation requires a "Concrete" license classification.
4. Non-water based systems only. Water-based systems requires a "Fire Sprinkler" license.
5. Asphalt or concrete surface work requires the "Asphalt Paving" or "Concrete Paving" license classification.
6. If related repair work performed affects the structural integrity of the commercial structure, a "Building" license classification is required.
7. Connections to utilities, structural modifications and concrete work requires the "Electrical", "Building", and/or "Concrete" license classification.
8. Ductwork requires the "Air Conditioning" or "Packaged Equipment" license classification.
9. Bridges erected over a depression or an obstruction such as water, highway or railway, having a track or passageway designed for carrying vehicular traffic weighing over 2000 pounds requires the "Bridges" license classification.
10. Electric Fencing requires obtaining a Burglar Alarm license. See: <https://llr.sc.gov/clb/licensure.aspx>

Resources:

- SC-DHEC (SC Dept. of Health and Environmental Control) - (803) 898-3630
- LLR Office of Elevators and Amusement Rides - (803) 896-7630
- SC Department of Agriculture - (803) 734-2210
- LLR Environmental Certification Board - (803)896-4430

General and Mechanical Contracting Practice Act:

- See SC Code Ann. §40-11-410 for all regulated classifications of work requiring a license
www.scstatehouse.gov/code/t40c011.php