SECTION 009114 – ADDENDUM 02

1.1 **PROJECT INFORMATION**

- A. Project Name: W Building Renovations Phase One at Cherry Hospital.
- B. Owner: North Carolina Department of Health and Human Services.
- C. Owner Project Number: SCO# 22-25521-01A CODE 42140 ITEM 4S15.
- D. Architect: Osterlund Architects, PLLC.
- E. Architect Project Number: 2231.
- F. Date of Addendum: September 7, 2023.

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. Bid RFI Log, dated September 7, 2023.
 - 2. Section 123661.16 SOLID SURFACING COUNTERTOPS, dated September 7, 2023, reissued.
 - a. Reissued section includes specifications for heavy-duty countertop brackets.
- B. This Addendum includes the following attached Sheets:
 - Structural Sheet, S001, dated September 7, 2023, reissued.
 a. Notes revised to remove references to Special Inspections.
 - Structural Sheet, S501, dated September 7, 2023, reissued.
 a. Detail 13 added for lintel bearing on existing masonry.
 - 3. Electrical Sheet E200, dated September 7, 2023, reissued.
 - a. Update the location of Keynote #4 in the demolition plan.

- b. Add manufacturer's name to the patch panel at the Telecom Rack.
- c. Add keynotes for Wiremold box and raceway.

1.4 CLARIFICATIONS

A. Responses to Bidder questions are provided in the attached Bidder RFI Log.

1.5 REVISIONS TO PROJECT MANUAL

- A. Section 011000 SUMMARY: Revise paragraph 1.3.A Project Identification to "W Building Renovations Phase One."
- B. Section 015000 TEMPORARY FACILITIES: Dustproof partitions are not required on this project. Delete Paragraph 3.5.D.
- C. Section 042000 UNIT MASONRY: Add specs for split-face CMU and mortar at the exterior infill.

Add the following to paragraph 2.3 CONCRETE MASONRY UNITS:

Decorative CMUs: ASTM C90. 1. Basis-of-Design Product: Subject to compliance with requirements, provide JCL-355 Silverspun by Johnson Concrete Company or comparable product by one of the following:

- a. Adams Products.
- b. Cemex.
- 2. Pattern and Texture:
 - a. Standard pattern, split-face finish.

Add the following to Paragraph 2.9 MORTAR AND GROUT MIXES:

Pigmented Mortar: Use colored cement product.

- 1. Pigments shall not exceed 10 percent of portland cement by weight.
- 2. Pigments shall not exceed 5 percent of masonry cement by weight.
- 3. Basis-of-Design color: Santee Dark by Holcim.
- 4. Application: Use pigmented mortar for exposed mortar joints with the following units:

a. Decorative CMUs.

- D. Section 083326 OVERHEAD COILING GRILLES: Revise the electrical characteristics for the motors.
 - 1. Paragraph 2.3.H.5.b: Revise Voltage from Three Phase to "Voltage, Single Phase, 60Hz: 115-V ac."

1.6 REVISIONS TO DRAWINGS

- A. Sheet A601 Schedules: Revise new HM door thickness to 1 ³/₄".
- B. Sheet I601 Schedules: Update Room Finish Schedule to include paint at the exterior CMU infill wall.
 - 1. 1W106 OPEN-AIR LANDSCAPE SHED: WEST WALL: Add note "PNT-4 INFILL ONLY".

END OF DOCUMENT 009114

W BUILDING RENOVATIONS PHASE ONE AT CHERRY HOSPITAL

Goldsboro, NC Owner Agency: NC Department of Health and Human Services Architect's Project Number: 2231 SCO #22-25521-01A CODE: 42140 ITEM: 4S15

Bid Request for Interpretation Log

						Addendum
RFI No.	Date Received	Via	Description	Response	Response Date	No.
				Review the form included in the Project Manual and if		
				you have questions, send them in writing. UPDATE:		
			Can you summarize the DHHS Contractor Vaccination/Testing Requirements?	Vaccination requirements do not apply to this project.		
				This requirement will be removed from the Project		
1	8/29/2023	Pre-Bid		Manual.	9/1/2023	1
			Are local authorities involved in permitting/inspections for this project?	No. This project is monitored by the State Construction		
2	8/29/2023	Pre-Bid	Are local autionities involved in permitting/inspections for this project:	Office.	9/1/2023	1
				Kristen responded "No" during pre-bid but will clarify		
				inspections requirements in upcoming Addendum 02.		
3	8/29/2023	Pre-Bid	Are Special Inspections required?	Special Inspections are NOT required.	9/1/2023, 9/7/2023	1, 2
4	8/29/2023	Pre-Bid	Who is the service provider for Fire Protection at Cherry Hospital?	Johnson Controls	9/1/2023	1
5	8/29/2023	Pre-Bid	Are there preferred vendors for the sprinkler system?	No.	9/1/2023	1
6	8/29/2023	Pre-Bid	Are the existing CMU walls poured solid?	See response to email question below.	9/7/2023	2
7	8/29/2023	Pre-Bid	How thick is the existing floor slab?	See response to email question below.	9/7/2023	2
8	8/29/2023	Pre-Bid	What type of split-face CMU is specified for the new exterior wall?	See response to email question below.	9/7/2023	2
				Yes. Site visit is Tuesday, September 5, 2023, 9:00 a.m.		
9	8/29/2023	Pre-Bid	Can subcontractors visit the site?	to 10:00 a.m.	9/1/2023	1
				Yes. Deadline is extended to 5:00 p.m. on Wednesday,		
10	8/29/2023	Pre-Bid	Can the deadline for questions be extended?	September 6, 2023.	9/1/2023	1
11	8/29/2023	Pre-Bid	Does this project require payroll certification under the Davis-Bacon Act?	Submit this question in writing. (See below.)	9/1/2023	1
			In looking over the Supplementary General Conditions, can you clarify if this project will need to)		
			be a "certified funds" project? We haven't seen any mention of the Davis-Bacon Act in the			
			General Conditions. I've included the paragraph which mentions "provide certified payroll and	This project is funded by Repair & Renovation funds		
			copies of pay stubs if requested by the Designer or Owner." (Reference to Supplementary	and there are no requirements for Davis Bacon Act, so		
12	8/29/2023	Email	General Conditions, Section 13.)	no certified payroll.	9/7/2023	2
			for services and labor. The state mandates the charging of sales tax on all services and labor which is not deemed to be part of			
			"Capital Improvements." The North Carolina Department of Revenue views all renovations, modifications and additions as			
			Non-Capital Improvements unless the owner completes a Form E-589CI.			
			sales tax on all labor related to this project."			
10	0/00/0000	E 1		res, we can provide from E-589CI for the winning	0/7/0000	2
13	8/29/2023	Email		bidder.	9///2023	Ζ
4.4	0/00/0000	E 1	Is it possible to find out what manufacturer was used for the Telecom on this project originally?		0/7/0000	2
14	8/29/2023	Email	The spec lists 3 approved manufacturers but I'd like to match what's currently in the cabinet.	The existing patch panel manufacturer is Ortonics.	9/7/2023	2
			Is this the correct Project Identification? (From the Specs) 1.3 PROJECT INFORMATION A.			
4 5	0/5/0000	— 1	Project Identification: Cherry Hospital Door Replacement. 1. Project Location: 1401 W Ash	Revise Project Identification to "W Buillding	0/7/0000	0
15	9/5/2023	Email	Street, Goldsboro, NC 27530.	Renovations Phase One". Project Location is correct.	9/7/2023	2
16	9/5/2023	Email	What is the thickness of the existing concrete floor?	Existing Slab-On-Grade thickness is +/- 6".	9///2023	2
	0 /= /0 0 0 0		Is the existing CMU wall filled solid? Also, what is the rebar spacing?	Existing wall is reinforced with #5 at 16 OC and is not		
1/	9/5/2023	Email		indicated to be grouted solid.	9/7/2023	2



			What is the color for the split face block and mortar?	We are selecting a gray split-face CMU/mortar for the exterior infill; we are not trying to match existing tan CMU/mortar. The basis-of design for split face CMU at exterior infill is Johnson Concrete Company JCL-355 Silverspun. The basis-of-design for mortar at the		
18	9/5/2023	Email		exterior CMU infill is Holcim, Santee Dark.	9/7/2023	2
10	9/5/2023	Email	At the block infill, does the steel remain at the existing opening?	Yes, the steel remains. See Structural detail 8/S501 for horizontal doweling that can be installed through the existing steel plates at the jamps	9/7/2023	2
20	9/5/2023	Email	At block fill, is the infill 1 block with the backside painted to match the existing walls?	Ves that is correct PNT-4 Off White to match existing	9/7/2023	2
21	9/5/2023	Email	Please confirm if painting is limited to areas of construction or are we painting all walls in the existing bays	Painting is limited to the areas of construction. You are not painting all of the walls in existing bays.	9/7/2023	2
22	9/5/2023	Email	The wall behind the cabinets where the electrical contractor is installing new devices in existing walls, (Sheet E200), are they recessed flush into the wall, surface mounted in conduit, or are we to construct a chase wall from some material? If they are surface mounted how does that interface with the cabinets?	See revised Sheet E200 for Wiremold box and raceway.	9/7/2023	2
23	9/5/2023	Email	Sheet P200 references an existing wall hydrant that, based on today's site visit, is not there. I this to be a new wall hydrant or simply drawing error?	We used as-built drawings to represent existing fixtures. If the hydrant is not actually installed then it and Note 4 this sheet can be disregarded.	9/7/2023	2
24	9/5/2023	Email	Please confirm the depth of the existing cleanout and line shown on sheet P200.	Depth of existing cleanout can not be determined. Contractor shall field verify all conditions prior to beginning demolition.	9/7/2023	2
25	0/5/2022	Euril -	Please confirm existing footing detail below the wall between the toilet and the new breakroom.	Existing footing detail is indicated to be the detail included here per the record drawings.	0/7/2022	2
25	7/ 3/2023	Lindii			7/7/2023	2

VERT RENF FOOTING - REF PLAN 1 SECTION

26	9/5/2023	Email	At the location of the cut thru for the new door 1W107A in the existing masonry wall, is the block to be toothed or can we cap the opening with a metal subframe prior to setting the door frame and avoid the toothing of the block.	Provide sawtooth of opening per typical detail provided on revised Sheet S501.	9/7/2023	2
27	9/5/2023	Email	Sheet A601. Doors 1W106A, 1W107A, and 1W107Bplease confirm the door sizes. They are listed as 3'-8" wide and 3'-0" wide and 7'-2" tall and 2"thick. Are the doors actually 3'-8" wide and 3'-0" wide by 7'-0" tall and 1 ¾" thick with HM frames that have a 2" head and jamb? Or are they a custom size?	The sizes of new HM doors/frames are intended to match existing which are custom sizes with 2" heads. Let's hold these sizes for bidding and we can verify during submittals. But do revise door thickness to standard 1 3/4".	9/7/2023	2
28	9/5/2023	Email	Detail 7E/ Sheet A601 Bollard Detail. What are the horizontal lines on the bollards? Reflective tape? Do bollards have a solid cap or are they covered with a plastic sleeve?	Disregard lines on bollard drawing. New bollards with solid cap and safety yellow finish are specified in Section 055000 METAL FABRICATIONS.	9/7/2023	2



			The only question I have is whether we can change the route of the waste line required to tie in	Alternate waste routing may be considered during	
			the new breakroom sink so that we do not disturb the existing restroom finishes. The existing	construction, however since the depth of the existing	
			materials may have been discontinued and difficult to match. Possibly trench through new door	waste line is not available, bidders shall plan to install	
29	9/6/2023	Email	1W107A??	waste piping as shown.	9
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9/7/2023 2

SECTION 123661.16 - SOLID SURFACING COUNTERTOPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Solid surface material countertops.
 - 2. Solid surface material backsplashes.
 - 3. Solid surface material end splashes.

1.3 ACTION SUBMITTALS

- A. Product Data: For countertop materials.
- B. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.
 - 1. Show locations and details of joints.
 - 2. Show direction of directional pattern, if any.
- C. Samples for Verification: For the following products:
 - 1. Countertop material, 2 inches square.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For fabricator.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For solid surface material countertops to include in maintenance manuals. Include Product Data for care products used or recommended by Installer and names, addresses, and telephone numbers of local sources for products.

1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate countertops similar to that required for this Project, and whose products have a record of successful inservice performance.
- B. Installer Qualifications: Fabricator of countertops.
- 1.7 FIELD CONDITIONS
 - A. Field Measurements: Verify dimensions of countertops by field measurements before countertop fabrication is complete.

1.8 COORDINATION

A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 SOLID SURFACE COUNTERTOP MATERIALS

- A. Solid Surface Material: Homogeneous-filled plastic resin complying with ICPA SS-1.
 - 1. <u>Basis-of-Design Product:</u> Subject to compliance with requirements, provide Formica Everform Solid Surfaces; or a comparable product by one of the following:
 - a. Hanex Solid Surface.
 - b. Wilsonart LLC.
 - 2. Colors and Patterns: Blanco Terrazzo 742
- A. <u>Composite Wood Products</u>: Verify products are made without added urea formaldehyde.
- B. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.
- C. Plywood: Exterior softwood plywood complying with DOC PS 1, Grade C-C Plugged, touch sanded.
- D. <u>Countertop Support Brackets: Subject to compliance with requirements, provide</u> <u>RAKKS; EHR-1818 or comparable product.</u>
 - 1. <u>Material: Fabricate components from extruded aluminum sections complying with</u> <u>ASTM B221, 6063-T5 Alloy and temper.</u>
 - a. <u>Factory applied finishes: Exposed aluminum surfaces shall be free of</u> <u>scratches and other serious blemishes and be factory finished with aluminum</u> <u>mill finish.</u>
 - 2. Welded Aluminum Brackets:

- a. <u>Type: Support brackets fabricated by welding miter cut extruded aluminum</u> sections, grinding and deburring sharp edges and welds, drilling holes for field attachment, and factory finishing.
- 3. <u>Surface mounted counter brackets: L-shaped bracket fabricated from aluminum T</u> sections designed for supporting 24 inches deep counter.
 - a. Size: (Height by depth by thickness): 18 by 18 inches.
 - b. Load capacity per bracket: 450 lbs.

2.2 COUNTERTOP FABRICATION

- A. Fabricate countertops according to solid surface material manufacturer's written instructions and to the AWI/AWMAC/WI's "Architectural Woodwork Standards."
 - 1. Grade: Premium.
- B. Configuration:
 - 1. Front: Straight, slightly eased at top.
 - 2. Backsplash: Straight, slightly eased at corner.
 - 3. End Splash: Matching backsplash.
- C. Countertops: 1/2-inch- (12.7-mm-) thick, solid surface material with front edge built up with same material.
- D. Backsplashes: 1/2-inch- (12.7-mm-) thick, solid surface material.
- E. Fabricate tops with shop-applied edges and backsplashes unless otherwise indicated. Comply with solid surface material manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
- F. Joints: Fabricate countertops without joints.
- G. Cutouts and Holes:
 - 1. Undercounter Plumbing Fixtures: Make cutouts for fixtures in shop using template or pattern furnished by fixture manufacturer. Form cutouts to smooth, even curves.
 - a. Provide vertical edges, slightly eased at juncture of cutout edges with top and bottom surfaces of countertop and projecting 3/16 inch (5 mm) into fixture opening.
 - 2. Counter-Mounted Plumbing Fixtures: Prepare countertops in shop for field cutting openings for counter-mounted fixtures. Mark tops for cutouts and drill holes at corners of cutout locations. Make corner holes of largest radius practical.
 - 3. Fittings: Drill countertops in shop for plumbing fittings, undercounter soap dispensers, and similar items.

2.3 INSTALLATION MATERIALS

- A. Adhesive: Product recommended by solid surface material manufacturer.
 - 1. <u>Verify adhesives have a VOC</u> content of 70 g/L or less.
- B. Sealant for Countertops: Comply with applicable requirements in Section 079200 "Joint Sealants."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates to receive solid surface material countertops and conditions under which countertops will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of countertops.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. <u>Coordinate provision of support brackets with design and fabrication of countertops</u> <u>components to be supported as specified to insure compatibility of dimensions and load</u> <u>capacity.</u>
- D. <u>Coordinate requirements for stud spacing, blocking and auxiliary structural supports to</u> ensure adequate means for installation and anchorage of support brackets.
- E. <u>Coordinate installation of surface mounted support brackets with application of wall</u> <u>finishes. To the extent possible install brackets after finishes have been applied.</u>

3.2 INSTALLATION

- A. Install countertops level to a tolerance of 1/8 inch in 8 feet (3 mm in 2.4 m), 1/4 inch (6 mm) maximum. Do not exceed 1/64-inch (0.4-mm) difference between planes of adjacent units.
- B. Fasten countertops by screwing through corner blocks of base units into underside of countertop. Predrill holes for screws as recommended by manufacturer. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
- C. Secure countertops to subtops with adhesive according to solid surface material manufacturer's written instructions. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.

D. <u>Install support brackets in accordance with reviewed shop drawings and manufacturer's</u> installation instructions.

- E. <u>Install brackets at locations and heights indicated on Drawings. Verify locations in field</u> <u>with Architect.</u>
- F. Install brackets rigidly to metal studs so that they are secure, plumb, and aligned.
- G. <u>Install brackets with fasteners of type, size, and quantity as supplied or recommended by</u> bracket manufacturer for type of application and substrate.
- H. Install backsplashes and end splashes by adhering to wall and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears.
- I. Install aprons to backing and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears. Fasten by screwing through backing. Predrill holes for screws as recommended by manufacturer.
- J. Complete cutouts not finished in shop. Mask areas of countertops adjacent to cutouts to prevent damage while cutting. Make cutouts to accurately fit items to be installed, and at right angles to finished surfaces unless beveling is required for clearance. Ease edges slightly to prevent snipping.
 - 1. Seal edges of cutouts in particleboard subtops by saturating with varnish.
- K. Apply sealant to gaps at walls; comply with Section 079200 "Joint Sealants."

END OF SECTION 123661.16

GENERAL NOTES:

- THE STRUCTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. AND THE SPECIFICATIONS. THE CONTRACTOR MUST VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND ADDITIONAL ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- THE MODIFICATIONS TO THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 EDITION

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- THE CONTRACTOR MUST PROVIDE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS AND LATERAL BRACING ARE IN PLACE.
- PORTIONS OF THE EXISTING STRUCTURE NOT ALTERED AND NOT AFFECTED BY THE ALTERATION HAVE NOT BEEN REVIEWED FOR COMPLIANCE WITH THE CODE REQUIREMENTS FOR A NEW STRUCTURE.
- BEFORE PROCEEDING WITH WORK WITHIN THE EXISTING STRUCTURE, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE EXISTING STRUCTURAL CONDITIONS. ANY SHORING OR BRACING SHOWN IS A PARTIAL AND SCHEMATIC REPRESENTATION OF THAT REQUIRED. THE CONTRACTOR MUST BE SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF ANY AND ALL SAFEGUARDS NECESSARY TO PROTECT THE EXISTING STRUCTURE. THE CONTRACTOR MUST PROVIDE SHORING, BRACING, AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE STRUCTURE IN A SAFE CONDITION AT ALL TIMES DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION.
- THE CONTRACTOR MUST FIELD VERIFY THE DIMENSIONS, ELEVATIONS, AND OTHER REQUIREMENTS NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING. ANY DIMENSIONS SHOWN OF EXISTING STRUCTURES MUST BE CONSIDERED AS APPROXIMATE AND ADEQUATE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR MUST MAKE ALL MEASUREMENTS NECESSARY FOR THE FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- PRIOR TO ISSUING THE STRUCTURAL DRAWINGS FOR ANY PURPOSE, AUTHORIZATION MUST BE OBTAINED FROM THE STRUCTURAL ENGINEER OF RECORD. WHEN AUTHORIZED, THE DOCUMENTS THAT ARE RELEASED MUST BE CLEARLY IDENTIFIED WITH THE AUTHORIZED PURPOSE AND MUST INCLUDE THE DATE OF RELEASE.
- DESIGN CRITERIA:

CLASSIFICATION OF BUILDING	
RISK CATEGORY	II
SUPER IMPOSED DEAD LOADS - UNIFORM:	
FLOOR 20) PSF
LIVE LOADS - UNIFORM:	
SLAB ON GRADE) PSF
MEZZANINE150) PSF
STAIRWAYS100) PSF
LIVE LOADS - CONCENTRATED:	
FLOOR	,000#
UNLESS OTHERWISE NOTED, CONCENTRATED LOADS ARE APPLIED)
UNIFORMLY OVER 2-6 X 2-6 AREA.	
WIND LOADS:	
	> IVIPE B
INTERNAL PRESSURE COEFFICIENT	±0.18
COMPONENT AND CLADDING PRESSURES:	
WALLS, ZONE 5 (10 SF)	3 PSF
ROOF, ZONE 3 (10 SF)	7 PSF
SITE CLASSIFICATION	П
SEISMIC DESIGN CATEGORY	B
IMPORTANCE FACTOR (IE)	1.0
SPECTRAL RESPONSE ACCELERATIONS:	
S _S	0.073
S_{MS} 0.161 S_{M1}	0.170
ANALYSIS PROCEDURE EQUIVALENT LATERAL FC	DRCE
LATERAL FORCE	RCED
RESISTING SYSTEM MASONRY SHEAR W	ALLS
	_ 3.5
SEISMIC RESPONSE CUEFFICIENT (US)	U.U46 KIDS
LATERAL DESIGN CONTROL	
CONTROLLING LATERAL LOADS SEI	SMIC

CAST-IN-PLACE CONCRETE NOTES:

- (ACI) 301 AND 318.
- FOLLOWS:
- A. SLAB-ON-GRADE
- SUPPORTED FLOOR SLABS C. CONCRETE NOT OTHERWIS
- ENTRAINED AIR.
- **REINFORCING MATERIALS MUST BE AS FOLLOWS:** A. REINFORCING BARS - ASTM A615, GRADE 60, DEFORMED.
- **BEYOND PERMITTED TOLERANCES**
- COVER REQUIREMENTS.
- OTHERWISE NOTED.

CONCRETE MASONRY NOTES:

- AMERICAN CONCRETE INSTITUTE (ACI) 530.
- 2. OF MASONRY UNITS MUST BE 2,000 PSI AT 28 DAYS.
- STRENGTH OF MASONRY, f'm, MUST BE 2,000 PSI AT 28 DAYS.
- PROPORTIONS OR PROPERTIES SPECIFICATION.
- SPECIFICATION OF ASTM C476 AND AS FOLLOWS: SUBSTITUTES FOR THE SPECIFIED GROUT.

- DETAILS."
- NOTED.
- HAVE STANDARD ACI HOOKS.
- **REINFORCING AT CONTROL JOINTS.**
- LOCATIONS.

CONCRETE MUST BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE

CONCRETE MUST BE NORMAL WEIGHT [UNLESS OTHERWISE DENOTED AS LW (LIGHTWEIGHT) AND MUST OBTAIN 28 DAY COMPRESSIVE STRENGTHS AS

	3,500 PSI
S	4,000 PSI LW
SE NOTED	. 3,000 PSI

LIGHTWEIGHT CONCRETE MUST HAVE A DRY UNIT WEIGHT OF NOT LESS THAN 110 PCF AND NOT MORE THAN 116 PCF AFTER 28 DAYS WITH 4% TO 7%

B. WELDED WIRE REINFORCEMENT - ASTM A1064, WELDED STEEL WIRE REINFORCEMENT; PROVIDE SHEET TYPE, ROLL TYPE IS NOT ACCEPTABLE.

ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR RODS AND WELD PLATES MUST BE ACCURATELY PLACED AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT

CONCRETE COVER TO REINFORCING STEEL MUST CONFORM TO THE MINIMUM COVER RECOMMENDATIONS IN ACI 318. UNLESS THE DRAWINGS SHOW GREATER

LAP CONTINUOUS REINFORCING STEEL 57 X BAR DIAMETER, TYPICAL UNLESS

CONCRETE MASONRY MATERIALS AND CONSTRUCTION MUST CONFORM TO THE

CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90 AND MUST BE MADE WITH LIGHTWEIGHT AGGREGATE. MINIMUM NET AREA COMPRESSIVE STRENGTH

COMPRESSIVE STRENGTH OF MASONRY MUST BE DETERMINED BY THE UNIT STRENGTH METHOD AS SET FORTH IN ACI 530.1. THE NET AREA COMPRESSIVE

MORTAR MUST BE TYPE 'M' OR 'S' AND MUST COMPLY WITH ASTM C270.

GROUT MUST COMPLY WITH EITHER THE PROPORTIONS OR PROPERTIES

A. PROPORTIONS SPECIFICATION: THIS MIX CANNOT CONTAIN ADMIXTURES WATER MUST BE ADDED IN THE FIELD IN ORDER TO ACHIEVE A SLUMP OF 8-11 INCHES WHEN PLACED IN THE CONCRETE MASONRY UNITS. MORTAR, PEA-GRAVEL CONCRETE, OR "CHAT" MIXES ARE NOT ACCEPTABLE

B. PROPERTIES SPECIFICATION: THIS MIX MUST BE PROPORTIONED TO OBTAIN A DOCUMENTED 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI, WITH AN 8-11 INCH SLUMP WHEN PLACED IN THE CONCRETE MASONRY UNITS.

6. ALL BOND BEAMS, REINFORCED CELLS AND CELLS WITH EXPANSION BOLTS, EMBED PLATES OR OTHER ANCHORS AND ALL CELLS BELOW GRADE MUST BE GROUTED SOLID. GROUT PROCEDURE MUST COMPLY WITH ACI 530.1.

7. ALL CMU WALLS MUST BE REINFORCED CONTINUOUSLY FROM FOUNDATION TO TOP OF WALL. WHERE REINFORCING IS INTERRUPTED. OFFSET AND LAP ADDITIONAL BARS PER THE "TYPICAL OFFSET SPLICE AT MASONRY WALL

8. PROVIDE REINFORCING BARS OF THE GIVEN SIZE AND SPACING SHOWN. LAP CONTINUOUS REINFORCING STEEL 64 BAR DIAMETERS UNLESS OTHERWISE

9. PROVIDE REINFORCING STEEL DOWELS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM THE SUPPORTING STRUCTURE. DOWELS MUST

10. PROVIDE STANDARD 9 GAGE LADDER TYPE HORIZONTAL JOINT REINFORCING IN CMU WALLS AT 16 INCHES ON CENTER AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS, EXTENDING A MINIMUM OF 2 FEET BEYOND THE JAMB ON EACH SIDE OF THE OPENING, EXCEPT AT CONTROL JOINTS.

11. PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS. DISCONTINUE ALL HORIZONTAL

12. DO NOT LOCATE CONTROL JOINTS WITHIN TWO FEET OF STEEL BEAM BEARING

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL MUST BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360.
- 2. STRUCTURAL STEEL MUST COMPLY WITH THE FOLLOWING SPECIFICATIONS: STRUCTURAL STEEL SHAPES, PLATES AND BARS UNLESS OTHERWISE NOTED - ASTM A36, Fy = 36 KSI
 - STRUCTURAL STEEL W-SHAPES ASTM A992, Fy = 50 KSI
 - HIGH STRENGTH BOLTS ASTM A325 (TYPICAL UON)
 - FULLY PRETENSIONED BOLTS ASTM F1852 (TWIST-OFF TYPE)
- WASHERS ASTM F436 F. NUTS - ASTM A563
- 3. UNLESS OTHERWISE NOTED, BEAM CONNECTIONS MUST BE AISC "SIMPLE SHEAR CONNECTIONS" WITH ASTM A325 BOLTS DESIGNED FOR ONE HALF THE MAXIMUM TOTAL UNIFORM LOAD FOR LATERALLY SUPPORTED BEAMS GIVEN IN

TABLE 3-6 OF THE "STEEL CONSTRUCTION MANUAL."

- 4. HIGH STRENGTH BOLTS MAY BE TIGHTENED TO THE "SNUG TIGHT" CONDITION IN LIEU OF FULL PRETENSIONING
- PROVIDE ANGLE FRAMING AROUND OPENINGS LARGER THAN [6 INCHES] IN ANY DIMENSION (INCLUDING ROOF DRAINS) TO SUPPORT STEEL DECK. TYPICAL UNLESS OTHERWISE NOTED OR DETAILED AS FOLLOWS:

JOIST/BEAM SPACING	ANGLE SIZE
TO 6'-0"	L3x3x1/4
6'-1" TO 8'-0"	L4x4x1/4

- WELDING MUST BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL." WELD ELECTRODES MUST BE E70XX LOW HYDROGEN. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS FILLET WELDS WITH MINIMUM SIZE REQUIRED BY TABLE J2.4 AISC 360.
- HOT-DIP GALVANIZE AFTER FABRICATION THE FOLLOWING:
- ANGLES AND PLATES SUPPORTING MASONRY IN EXTERIOR WALLS. LINTELS AND LINTEL ASSEMBLIES SUPPORTING MASONRY IN EXTERIOR R WALLS.
- C. ALL STEEL EXPOSED TO WEATHER IN THE FINAL CONSTRUCTION. ITEMS IDENTIFIED AS GALVANIZED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS.

FOUNDATION NOTES:

- 1. FOUNDATIONS HAVE BEEN DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF (ASSUMED).
- 2. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED BY THE OWNER'S GEOTECHNICAL TESTING AGENCY TO EXPLORE THE EXTENT OF LOOSE, SOFT, EXPANSIVE, OR OTHERWISE UNSATISFACTORY SOIL MATERIAL AND TO VERIFY DESIGN BEARING PRESSURE. DIRECTION FOR CORRECTIVE ACTION WILL BE PROVIDED BY THE OWNER'S GEOTECHNICAL TESTING AGENCY WHERE UNSATISFACTORY SOILS ARE PRESENT.
- 3. CONTROL GROUNDWATER AND SURFACE RUNOFF THROUGHOUT THE CONSTRUCTION PROCESS. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES WHICH RESULT IN DETERIORATION OF BEARING MUST BE PREVENTED.

Osterlund ARCHITECTS, PLLC

5 W Hargett Street 310 Raleigh, NC 27601 (919) 838-9337 aoarchitect.com

CONSULTANTS:



CALCULATE. COLLABORATE. CRE

Structural Engineers 301 N West St., Suite 105 Raleigh, NC 27603 919.782.1833 - lynchmykins.com

PROJECT No.: 2231

SCO# 22-25521-01A CODE: 42140 ITEM: 4S15





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1	Addendum No. 2	9/7/20 23
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GENERAL NOTES

S001







NEW WORK-POWER & FIRE ALARM 1/8" = 1'-0" 2





4 PROVIDE SURFACE MOUNTED AV DEVICE. MOUNT AT 80" AFF TO BOTTOM OF DEVICE.

5 W Hargett Street 310 Raleigh, NC 27601 (919) 838-9337 aoarchitect.com CONSULTANTS: Sigma Engineered Solutions, PC 5909 Falls of Neuse Rd. Suite 101 Raleigh NC 27609 Ph: 919.840.9300 www.sigmaes.com Sigma Project #: 22074 NC ENG LIC# C-2490 PROJECT No.: 2231 SCO# 22-25521-01A CODE: 42140 ITEM: 4S15 U Ζ DING Ζ Ш Z BU O Ш |S ___ SEALS: Mr. Reginald D. Adams No Rolling 14.4 SEAL 19658

9/7/2023

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FLOOR PLANS

E200