

February 8, 2022

Garvin Design Group
1209 Lincoln St.
Columbia, SC 29201

ADDENDUM NO. 2

The following items shall take precedence over the drawings and specifications for the above-named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

Project Manual

<u>Item No.</u>	<u>Description</u>
1.	<u>General:</u> Reference the attached “2022 Jan CCU Commscope Ordering Guide” (8 pgs.) for the approved products to be used for all low-voltage applications in Division 27. Any variation from these products must receive prior approval from CCU ITS prior to bid.
2.	<u>Clarification:</u> Reference Section 034900 Glass-Fiber-Reinforced Concrete (GFRC). PCI Certification is not required for GFRC manufacturer. References to PCI Manuals listed in the specifications still apply for quality assurance.
3.	<u>Revision:</u> Reference Section 034900 Glass-Fiber-Reinforced Concrete (GFRC). At paragraph 2.1.A, add the following: “3. ARC Limited.”
4.	<u>Revision:</u> Reference Section 102113 Toilet Compartments. At paragraph 2.2.C, Delete sentence “Brackets and fasteners shall be concealed on interior of each stall so as to present uniform, clean appearance with no exposed mounting hardware or fasteners.”
5.	<u>Revision:</u> Reference Section 095113 Acoustical Panel Ceilings. At paragraph 2.4.A, add the following: “5. J2 Systems.” And “6. CSI Wall Panels.” At paragraph 2.5.A, add the following: “5. CSI Wall Panels.”
6.	<u>Revision:</u> Reference Section 098433 Sound-Absorbing Wall Units. At paragraph 2.1.A, add the following: “5. J2 Systems.” And “6. CSI Wall Panels.”
7.	<u>Revision:</u> Reference Section 057313 Glazed Decorative Railings. At paragraph 2.1.A, add the following: “4. Tuttle Railings.”
8.	<u>Revision:</u> Reference Section 074213 Metal Composite Wall Panels. At paragraph 2.4.A.1, add the following: “d. Alfrex, LLC; Alfrex MCM.”
9.	<u>Revision:</u> Reference Section 042000 Unit Masonry. At paragraph 2.9.A.3, delete this paragraph in its entirety and add the following: “Termination Bar: Stainless Steel Termination Bar by York Manufacturing, Inc. or approved equivalent, designed to support vertical flashing material at its

termination point; 26 ga., Type 304 Stainless Steel, ASTM A240/A240M, ASTM A666; termination bar is 1" wide in 8' lengths with top sealant lip, predrilled holes every 8" o.c. Use the following anchors for anchoring termination bar to substrate:

- a. Anchors to concrete and cmu substrate: No. 75 Heckmann "Pos-I-Tie" with Concrete/CMU TapCon screw.
 - b. Anchors to metal stud substrate: No. 75 Heckmann "Pos-I-Tie" with Steel Stud Self Drilling screw."
10. Revision: Reference Section 101100 Visual Display Surfaces. At paragraph 2.2.A.1.a, add the following: "4) Aarco Products, Inc – Vitre-Steel v2 Low Gloss."; At paragraph 2.2.A.2.a, add the following: "4) Aarco Products, Inc – Bitre-Steel v3 Ultra High Gloss."
 11. Revision: Reference Section 081416 Flush Wood Doors. At paragraph 2.1.A, add the following: "4. Lambton Doors."
 12. Revision: Reference Section 081113 Hollow Metal Doors and Frames. At paragraph 2.1.A, add the following: "5. De La Fontaine, Inc."
 13. Revision: Reference Section 087100 Door Hardware. In Hardware Group No. 01, revise "Privacy Lock" to be "45H-L-15J-VIN." In Hardware Group No. 02, revise "Office Lock" to be "9K37AB 15D STK."; Add door # "276A" to Hardware Group No. 02; In Hardware Group No. 07, delete door # "276A".
 14. Revision: Reference Section 051200 Structural Steel Framing. At paragraph 1.6, A. delete the following: "A. Fabricator Qualifications: A qualified fabricator that participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category STD." AISC Plant Certification is not being required for this project.

Drawings

<u>Item No.</u>	<u>Description</u>
1.	<u>Revision:</u> See attachment "RMF Addendum No. 2" for description of Drawings E1.1 and E6.0 revisions.
2.	<u>Revision:</u> Reference Drawings AS1.3, AS1.4 and A6.19 for clarifications to GFRC profiles at Connector.
3.	<u>Revision:</u> Reference Drawing T4.1. Drawing T4.1 updated to include termination locations for outside plant telecom feeder cable routes to Byran Information Commons and Kimbel Library.

END OF ADDENDUM NO. 2


Attachments:

1. 2022 Jan CCU Commscope Ordering Guide (8 pgs.)
2. RMF Addendum No.2, including attachments (4 pgs.)
3. Revised Drawings: AS1.3, AS1.4, A6.19, E1.1, E6.0, T4.1



CCU

SUBMITTED BY: CommScope ATTN: Ashley Bell	DATE: 01/28/2022 Mobile: +1 336 782 1773 E-mail: Ashley.Bell@commscope.com
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Category 6 Cables

	Part Number Name	Description	Comment	Quantity
	UN874043014/10 CS37P BLU C6 4/23 U/UTP CPK 1KFT	CS37P ETL Verified Category 6 U/UTP Cable, plenum, blue jacket, 4 pair count, 1000 ft (305 m) length CommPak		1



Category 6 Jacks

	Part Number Name	Description	Comment	Quantity
	760237627 USL600-BLK	Uniprise USL Series Modular Jack, RJ45, category 6, T568A/T568B, unshielded, without dust cover, black		1
	760237628 USL600-BLUE	Uniprise USL Series Modular Jack, RJ45, category 6, T568A/T568B, unshielded, without dust cover, blue		1





Category 6 Patch Cords

	Part Number Name	Description	Comment	Quantity
	UC1BBB2-0ZF003	Uniprise Category 6 U/UTP Patch Cord, RJ45 to RJ45, 4-pair, Non-Plenum, Z - Blue, 3, ft		1


CCU

	Part Number Name	Description	Comment	Quantity
	UC1BBB2-0ZF007	Uniprise Category 6 U/UTP Patch Cord, RJ45 to RJ45, 4-pair, Non-Plenum, Z - Blue, 7, ft		1
	UC1BBB2-0ZF015	Uniprise Category 6 U/UTP Patch Cord, RJ45 to RJ45, 4-pair, Non-Plenum, Z - Blue, 15, ft		1

Coaxial Video & Satellite Cables

	Part Number Name	Description	Comment	Quantity
	4100903/10 2276V WHRL RG6 90 1000	RG 6 Type 90% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel		1
	4101103/10 2273V WHRL RG6 90 1000	RG 6 Type 90% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel		1
	4101403/10 2285V WTRL RG11 60 1000	RG 11 Type 60% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel		1
	4103903/10 2276V BKRL RG6 90 1000	RG 6 Type 90% Braid Plenum Video Coaxial Cable, black jacket, 1000 ft (305 m) reel		1





Copper Cross-Connects

	Part Number Name	Description	Comment	Quantity
	558841-1	110Connect XC System Cross-Connect Wiring Block with Legs, category 5e, 110 punchdown, 50-pair		1


Copper Panels

	Part Number Name	Description	Comment	Quantity
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CCU

	Part Number Name	Description	Comment	Quantity
	760237040 CPP-UDDM-SL-1U-24	Discrete Distribution Module Panel, SL, UTP, 1U, 24 port		1
	760237041 CPP-UDDM-SL-2U-48	Discrete Distribution Module Panel, SL, UTP, 2U, 48 port		1
	760237042 CPPA-UDDM-SL-1U-24	Angled Discrete Distribution Module Panel, SL, UTP, 1U, 24 port		1
	760237043 CPPA-UDDM-SL-2U-48	Angled Discrete Distribution Module Panel, SL, UTP, 2U, 48 port		1



Faceplate & Box Accessories

	Part Number Name	Description	Comment	Quantity
	1-1116412-3	SL Series Blanking Insert for Faceplate, toolless, white		1




Faceplates

	Part Number Name	Description	Comment	Quantity
	1-2111011-3	Faceplate Kit, labeled, 1-gang, 4 port, alpine white		1



CCU

	Part Number Name	Description	Comment	Quantity
	1-2111022-1	Faceplate Kit, non-labeled, 1-gang, 2 port, electrical ivory		1
	1-2111203-3	Faceplate Kit, labeled, 1-gang, 4 port, horizontal orientation, alpine white		1





Fiber Adapter Packs

	Part Number Name	Description	Comment	Quantity
	760109462 360G2-MOD-BLANK-4PK	360G2 Mod Panel Blank Adapter Pack, 4 Panels		1
	760134551 360DP-12SC-LS	360G2 Distribution Adapter Pack, Multimode OM4, 12 SC		1
	760135087 360DP-12SC-SM	360G2 Distribution Adapter Pack, Singlemode, 12 SC		1




Fiber Cassettes

	Part Number Name	Description	Comment	Quantity
	760221697 PNL-CS-24LCX-PT	LazrSPEED® Splicing cassette, 24LC, 900µm		1
	760221705 PNL-CS-24LCW-PT	TeraSPEED® Splicing cassette, 24LC, 900µm		1

CCU

	Part Number Name	Description	Comment	Quantity
	760221739 PNL-CS-12LCX-PT	OM4 Splicing cassette, 12LC , 900µm		1
	760221747 PNL-CS-12LCW-PT	TeraSPEED® Splicing cassette, 12LC , 900µm		1
	760221770 PNL-CS-12SCX-PT	LazrSPEED® Splicing cassette, 12SC , 900µm		1
	760221788 PNL-CS-12SCW-PT	TeraSPEED® Splicing cassette, 12SC , 900µm		1







Fiber Connectors

	Part Number Name	Description	Comment	Quantity
	760117887 MFC-LCF-09-5X QWIK II™ LC	Qwik II® Field Installable LC Connector, OM3/4/5, Aqua, for 250/900um, single pack		1
	760117945 MFC-SCF-09-5X QWIK II™ SC	Qwik II® Field Installable SC Connector, OM3/4/5, Aqua, for 250/900um, single pack		1
	760117952 SFC-SCF-09-8X QWIK II™ SC	Qwik II® Field Installable SC Connector, SM-UPC, Blue, for 250/900um, single pack		1




Fiber Indoor Cables

	Part Number Name	Description	Comment	Quantity
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CCU





	Part Number Name	Description	Comment	Quantity
	760127639 P-006-DZ-5L-FSUAQ	LazrSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 6 fiber single-unit		1
	760127647 P-012-DZ-5L-FSUAQ	LazrSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 12 fiber single-unit		1
	760127803 P-012-DZ-8W-FSUYL	TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 12 fiber single-unit		1
	760127837 P-048-DZ-8W-FMUYL	TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 48 fiber multi-unit with 12 fiber subunits		1
	760127886 P-024-DZ-8W-FSUYL	TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 24 fiber single-unit		1
	760127902 P-024-DZ-5L-FSUAQ	LazrSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 24 fiber single-unit		1

Fiber Panels


	Part Number Name	Description	Comment	Quantity
	760209940 HD-1U	High Density 1U modular cassette sliding Panel, accepts (4) G2 modules or MPO panels, providing up to 48 duplex LC ports, or up to 32 MPO ports		2
	760209957 HD-2U	High Density 2U modular cassette sliding Panel, accepts (8) G2 modules or MPO panels, providing up to 96 duplex LC ports or up to 64 MPO ports		1
	760209965 HD-4U	High Density 4U modular cassette sliding Panel, accepts (16) G2 modules or MPO panels, providing up to 192 duplex LC ports or up to 128 MPO ports		1

CCU


Horizontal & Vertical Cable Managers

	Part Number Name	Description	Comment	Quantity
	760073007 CABLE-MGT-SP	Cable Management Spool, 2 Spools		1
	760089359 VCM-DS-84-8B	Vertical Cable Management Kit, 8in X 84in (203mm X 2134mm) Double Sided, With Doors, Black		1
	760128850 HTK-19-DS-2U	Horizontal Trough Kit, 19 in rack mountable, double sided, 2 RU		1
	760244782 VCM-DS-84-12B	Vertical Cable Management Kit, 12in X 84in (305mm X 2134mm) Double Sided, With Doors, Black		1

Modular Jack & Plug Tools

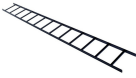
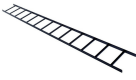
	Part Number Name	Description	Comment	Quantity
	1725150-6	Modular Jack Termination SL Tool Kit with Lacing Fixture, for large cable diameter		1

Open Frame Racks


	Part Number Name	Description	Comment	Quantity
	760082479 RK3-45A	Equipment Rack, 2-Post, 3 in (76 mm) Channel x 7ft (2134 mm) H - 19 in (482.6 mm) Alu (45U) 12-24 Tapped Rails, Black		1

CCU

Runways

	Part Number Name	Description	Comment	Quantity
	760085647 CR-SLR-10L12W	Cable Runway 10 ft (3048mm) L x 12 in (305mm) W, Black		1
	760085654 CR-SLR-10L18W	Cable Runway, 10 ft (3048 mm) L x 18 inch (457 mm) W, black		1

Specialty Twisted Pair Cords

	Part Number Name	Description	Comment	Quantity
	CO1SJO2-88N018 CCA-CAT6A-WH-18IN	CommScope® Category 6A U/UTP Cord, Plenum, RJ45 to Ceiling connector, 18 in, white		1

ADDENDUM NO. 2 FEBRUARY 8, 2022

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

Listing of multiple products or manufacturers within specifications or approval of products or manufacturers via substitution request does not waive or preclude any and all performance, warranty or specific requirements listed within the specification unless specifically noted in the Addendum. Contractor may proceed with approved substitutions providing the Contractor assumes full responsibility for, and makes, at his own expense, any changes or adjustments in construction or connection with other work that may be required by the substitution of such materials, equipment or methods.

QUESTIONS:

1. Question: 283111 1.2 B directs us to 260519 Low Voltage Electrical Power Conductors and Cable – I do not find this section included in the bid publication. Can you forward this section for reference?

Answer: Section 260519 is included in Volume 2 of the specifications
2. Question: 283111 2.4 A. b. – Are you stating a printer is required for the system? If yes, where is to be located, how much paper is to be provided and who is responsible for the desk or rack for the printer?

Answer: Printer is not required.
3. Question: 283111 2.4 C. d. – The specified MS9600UDLS provides 318 addressable devices per loop. Why are we only allowed to install 50 devices per loop?

Answer: More than 50 devices can be added to the loop unless otherwise restricted by code. Loops shall not exceed 80% of the manufacturer capacity of the loop.
4. Question: There are no wattage taps provided for the system. What are the speakers supposed to be tapped at, at each location? There is no mention of Intelligibility Requirements or Testing. Will 3rd Party Intelligibility Testing Be Required?

Answer: Based on the performance of manufacturer's equipment, calculations for shop drawings will take into account a typical location average ambient sound level and spacing to determine wattage taps. Spare capacity shall be provided so that taps can be adjusted in the field. No 3rd party testing for intelligibility will be required. EOR is not

aware of any code that requires intelligibility testing. See section 283111 3.4D for NFPA 72 required testing.

- 28311 2.12 A. List the equipment provided by CCU for the Campus Wide Mass Notification System. Who is responsible for the installation and check out of this equipment?

Answer: 283111 2.12 F requires fire alarm vendor/contractor to install CCU provided equipment. Fire alarm vendor should include testing of the mass notification system while testing the fire alarm system.

SPECIFICATION REVISIONS:

- None

DRAWING REVISIONS:

- Drawing E1.1 –1st Floor Electrical Power Plan:
Move KP1 and KP2 panels to Workroom 110.
- Drawing E6.0 – Lighting Fixture Schedule
Revise schedule to Update lighting fixtures type for U1

CLARIFICATIONS:

- Drawing E4.0 – Electrical Details:

For clarification, all conduit rough-in for data, security and LAN shown on Detail 6 for the Starbucks area should be routed to accessible ceiling.

PRIOR APPROVALS:

- Please see attached Lighting Prior approval bill of materials from CALD and The Schneider Co with approvals/declines indicated.

- Drawings attached: E1.1, E6.0
 Specifications attached: None
 Other attached: CALD And TSC Lighting Prior Approval

END OF ADDENDUM NO.2

RE: CCU Library Learning Center
Conway SC

Type	MFG	Part	
P8	Baselite	HD36-FINISH (OUT/IN)-LCWHC-LED25W27K-LDM0-10	
P9	Baselite	HD36-FINISH (OUT/IN)-LCWHC-LED25W27K-LDM0-10	
U1	Axis Lighting Inc.	BRLED-600-80-35-SO-LENGTH-W-UNV-O(0.1%DIMMING)-CEILING	see Addendum #2 for fixture update
W1	Industrial Lighting Products	SWP-2L-U-CCTS-BRZ	
W4	Industrial Lighting Products	SWP-3L-U-CCTS-BRZ	
X3	Compass	CU2SQ	
CONTROLS	Intelligent Lighting Controls	CONTROLS BY ILC	

35K

2/4/2022 Addendum #2: Manufacturers and types are approved for use unless otherwise indicated. Specific options will be verified during shop dwg review.

Feb 7, 2022

2/8/2022 Addendum #2: Manufacturers and types are approved for use unless otherwise noted. Specific options will be verified during shop dwg review.

RMF ENGINEERING INC-CHARLESTON
194 SEVEN FARMS DRIVE, SUITE G
CHARLESTON SC 29492

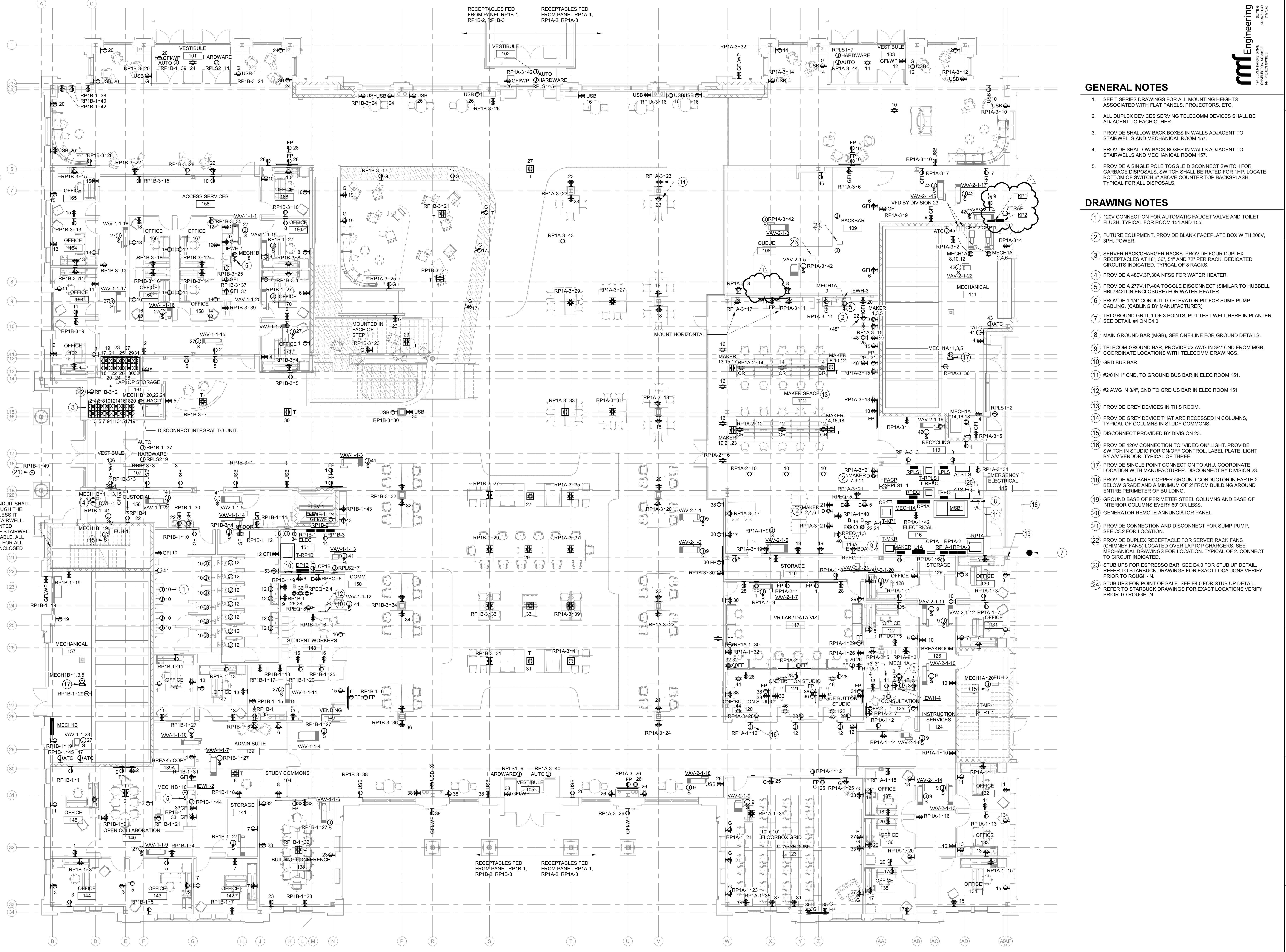
RE: COASTAL CAROLINA LIBRARY LEARNING COMPLEX
105 UNIVERSITY DR, CONWAY SC

Dear .

Type	MFG	Part	
P1	SCOTT ARCHITECTURAL LIGHTIN	S2690-L2800-35K-PT-OAXX	
P6-OPT1	MODERN FORMS	PD-24614-35-BK	
P6-OPT2	SCOTT ARCHITECTURAL LIGHTIN	S2650-L24-35K-PT(BLACK)-OAXX-	Not approved.
		BLACK CORD	
P8/P9	SCOTT ARCHITECTURAL LIGHTIN	S2691-L2800-35K-PT-OAXX	P8 40", P9 26" to suit location
R3	LUMENWERX	MP2186PRIR-12-SATIN LENS-LED-80-	
		42002500-35-UNV-D1-1-MOUNTING-W	
U1	FINELITE	HP-2-R-D-24"-H-835-F-96LG-277-SC-ELD-	see Add#2 for updated fixture
		10V-0%-CEILING TYPE-FE-STD FINISH	
V1/V2	LUMINII	LLFLEX18-35K-SL-SL-LENGTH OF COVE BENDABLE/KSC-C-LENGTH/ POWER SUPPLY (V1=277V/V2=120V)	
W1-OPT1	GE LIGHTING	EWLS02040AF740N1CBDBKBZ	Not approved.
W1-OPT2	JADEMAR LIGHTING	JWP-FC-CPS-40W-D-VW-BZ	
W4-OPT1	GE LIGHTING	EWLS02425AF740N1CBDBKBZEMBB	
W4-OPT2	JADEMAR LIGHTING	JWP-FC-CPS-40W-D-VW-BZ-EM15	
X1/X2	ABB INSTALLATION PRODUCTS IN	ELX400GB	ELX series but white color only
X3	ABB INSTALLATION PRODUCTS IN	EL-2SQL	

Cutsheet is not clear if this bends in the correct direction. Also noted about the clear lens for straight runs – do the curved areas also have a lens? The light shall look consistent in all locations and not see the LED diodes, so a clear lens wouldn't work. The face of this light will be visible.

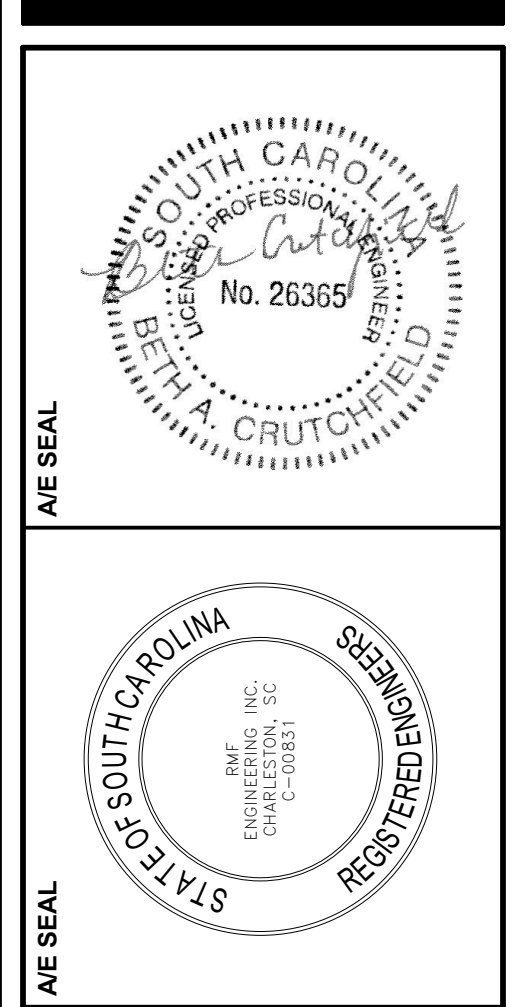
1 1ST FLOOR ELECTRICAL POWER PLAN
18" = 1'-0"



PER CODE, CONDUIT SHALL NOT RUN THROUGH THE STAIRWELL UNLESS IT SERVES THE STAIRWELL. SURFACE MOUNTED CONDUIT IN THE STAIRWELL IS NOT ACCEPTABLE. ALL NOTES TYPICAL FOR ALL FLOORS AND ENCLOSED STAIRS.

RECEPTACLES FED FROM PANEL RP1B-1, RP1B-2, RP1B-3
RECEPTACLES FED FROM PANEL RP1A-1, RP1A-2, RP1A-3

RECEPTACLES FED FROM PANEL RP1B-1, RP1B-2, RP1B-3
RECEPTACLES FED FROM PANEL RP1A-1, RP1A-2, RP1A-3



PROJECT TITLE
COASTAL CAROLINA UNIVERSITY LIBRARY LEARNING COMPLEX
STATE PROJECT NUMBER: H17-9615-MJ
370 UNIVERSITY BLVD.
CONWAY, SC 29526

NO.	REVISIONS	NAME	DATE
1	ADDENDUM #2		2/8/2022

D/C	BY
DRAWN BY:	BAC
CHECKED BY:	

DRAWING TITLE
1ST FLOOR ELECTRICAL POWER PLAN

PROJECT NO. C269.19
DATE 01.14.22
DRAWING NO. **E1.1**

GENERAL NOTES

- SEE T SERIES DRAWINGS FOR ALL MOUNTING HEIGHTS ASSOCIATED WITH FLAT PANELS, PROJECTORS, ETC.
- ALL DUPLEX DEVICES SERVING TELECOMM DEVICES SHALL BE ADJACENT TO EACH OTHER.
- PROVIDE SHALLOW BACK BOXES IN WALLS ADJACENT TO STAIRWELLS AND MECHANICAL ROOM 157.
- PROVIDE SHALLOW BACK BOXES IN WALLS ADJACENT TO STAIRWELLS AND MECHANICAL ROOM 157.
- PROVIDE A SINGLE POLE TOGGLE DISCONNECT SWITCH FOR GARBAGE DISPOSALS. SWITCH SHALL BE RATED FOR 1HP. LOCATE BOTTOM OF SWITCH 8" ABOVE COUNTER TOP BACKSPASH. TYPICAL FOR ALL DISPOSALS.

DRAWING NOTES

- 120V CONNECTION FOR AUTOMATIC FAUCET VALVE AND TOILET FLUSH. TYPICAL FOR ROOM 154 AND 155.
- FUTURE EQUIPMENT. PROVIDE BLANK FACEPLATE BOX WITH 208V, 3PH. POWER.
- SERVER RACK/CHARGER RACKS. PROVIDE FOUR DUPLEX RECEPTACLES AT 18", 36", 54" AND 72" PER RACK. DEDICATED CIRCUITS INDICATED. TYPICAL OF 8 RACKS.
- PROVIDE A 480V, 3P, 30A NFSS FOR WATER HEATER.
- PROVIDE A 277V, 1P, 40A TOGGLE DISCONNECT (SIMILAR TO HUBBELL HBL7842D IN ENCLOSURE) FOR WATER HEATER.
- PROVIDE 1 1/4" CONDUIT TO ELEVATOR PIT FOR SUMP PUMP CABLING. (CABLING BY MANUFACTURER)
- TRI-GROUND GRID, 1 OF 3 POINTS. PUT TEST WELL HERE IN PLANTER. SEE DETAIL #4 ON E4.0.
- MAIN GROUND BAR (MGB), SEE ONE-LINE FOR GROUND DETAILS.
- TELECOM-GROUND BAR, PROVIDE #2 AWG IN 3/4" CND FROM MGB. COORDINATE LOCATIONS WITH TELECOMM DRAWINGS.
- GRD BUS BAR.
- #2/0 IN 1" CND, TO GROUND BUS BAR IN ELEC ROOM 151.
- #2 AWG IN 3/4", CND TO GRD US BAR IN ELEC ROOM 151
- PROVIDE GREY DEVICES IN THIS ROOM.
- PROVIDE GREY DEVICE THAT ARE RECESSED IN COLUMNS, TYPICAL OF COLUMNS IN STUDY COMMONS.
- DISCONNECT PROVIDED BY DIVISION 23.
- PROVIDE 120V CONNECTION TO "VIDEO ON" LIGHT. PROVIDE SWITCH IN STUDIO FOR ON/OFF CONTROL. LABEL PLATE. LIGHT BY AV VENDOR. TYPICAL OF THREE.
- PROVIDE SINGLE POINT CONNECTION TO AHU. COORDINATE LOCATION WITH MANUFACTURER. DISCONNECT BY DIVISION 23.
- PROVIDE #4/0 BARE COPPER GROUND CONDUCTOR IN EARTH 2' BELOW GRADE AND A MINIMUM OF 2" FROM BUILDING AROUND ENTIRE PERIMETER OF BUILDING.
- GROUND BASE OF PERIMETER STEEL COLUMNS AND BASE OF INTERIOR COLUMNS EVERY 60' OR LESS.
- GENERATOR REMOTE ANNUNCIATOR PANEL.
- PROVIDE CONNECTION AND DISCONNECT FOR SUMP PUMP. SEE C3.2 FOR LOCATION.
- PROVIDE DUPLEX RECEPTACLE FOR SERVER RACK FANS (CHIMNEY FANS) LOCATED OVER LAPTOP CHARGERS. SEE MECHANICAL DRAWINGS FOR LOCATION. TYPICAL OF 2. CONNECT TO CIRCUIT INDICATED.
- STUB UPS FOR ESPRESSO BAR. SEE E4.0 FOR STUB UP DETAIL. REFER TO STARBUCK DRAWINGS FOR EXACT LOCATIONS VERIFY PRIOR TO ROUGH-IN.
- STUB UPS FOR POINT OF SALE. SEE E4.0 FOR STUB UP DETAIL. REFER TO STARBUCK DRAWINGS FOR EXACT LOCATIONS VERIFY PRIOR TO ROUGH-IN.

LIGHTING FIXTURE SCHEDULE

ITEM	DESCRIPTION	LAMPS			MOUNTING	REMARKS	MANUFACTURER	ALTERNATE MANUFACTURER	ALTERNATE MANUFACTURER 2	ALTERNATE MANUFACTURER 3	
		TYPE	COLOR TEMP.	VOLTS							WATTS
B1	LED STEP LIGHT, SILVER	LED	3500 K	277	10	RECESSED	COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.	B-K LIGHTING#YK-D-LED-A4080-SAP-H-CO-0-10-MT	SOLERA #SCSL-12LED-1560-4000K-UNV-RTC-FG-F-SD-SG	FC LIGHTING #FCSL2003-UNV-4K-CRI85-2L-SL-A2000-BB-ETL	
D1	4" ROUND LED DOWNLIGHT, 3000 LUMENS	LED	3500 K	277		RECESSED	PROVIDE BAR HANGERS FOR CEILING JOIST OR UNIVERSAL BAR HANGERS	LITHONIA #LDN4-35K-30-L04-WR-LSS-MVOLT-GZ1	HE WILLIAMS #4DR-TL-L30-8-35-DIM1-UNV-O-M-OF-CS-MWT-TD-N-F1	VANTAGE #V40FCR-U-30-35K-F4060-SGC-ZDM	LITON #CH428UE-D10P1/CR4L30SW-T35
D2	6" DOWNLIGHT, 3000 LUMENS	LED	3500 K	277	35	RECESSED	PROVIDE BAR HANGERS FOR CEILING JOIST OR UNIVERSAL BAR HANGERS	LITHONIA #LDN6-35K-30-L06-AR-LSS-MVOLT-GZ1	HE WILLIAMS #6DR-TL-L30-8-35-DIM1-UNV-O-W-OF-CS-WET/CC	SIGNIFY #6R-N-UNV-C6L-30-8-35-M-Z10-U-C6-R-DL-CL-C6RVPWH	PRESCOLITE #LTR-6RD-H-M-DM1-LTR-6RD-ML-35K-8-WD-SS-B6
D3	4" ROUND LED DOWNLIGHT, 2000 LUMENS	LED	3500 K	277		RECESSED	PROVIDE BAR HANGERS FOR CEILING JOIST OR UNIVERSAL BAR HANGERS	LITHONIA #LDN4-35K-20-L04-WR-LSS-MVOLT-GZ1	HE WILLIAMS #4DR-TL-L20-8-35-DIM1-UNV-O-M-OF-CS-MWT-TD-N-F1	VANTAGE #V40FCR-U-20-35K-F4060-SGC-ZDM	LITON #CH428UE-D10P1/CR4L17SW-T35
D4	4" ROUND LED DOWNLIGHT, 1000 LUMENS	LED	3500 K	277	11	RECESSED	PROVIDE BAR HANGERS FOR CEILING JOIST OR UNIVERSAL BAR HANGERS	LITHONIA #LDN4-35K-10-L04-WR-LSS-MVOLT-GZ1	HE WILLIAMS #4DR-TL-L10-8-35-DIM1-UNV-O-M-OF-CS-MWT-TD-N-F1	VANTAGE #V40FCR-U-11-35K-F4060-SGC-ZDM	LITON #CH410UE-D10P1/CR4L17SW-T35
L1.8	8" RECESSED LED LINEAR FIXTURE, 600 LM/FT	LED	3500 K	277	48	RECESSED	FLANGE	MARK #SL2L-LOP-8FT-FLP-FL-80CRI-35K-600LMF-MIN1-277	FINELITE #HP-2-R-D-8"-H-835-F-96LG-277-SC-FC-1%-VF-FE-SW	ALW #LP2RT-DRY-S8-MED/80/3500-0/10V/1%-EXT/F-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-MO-8"-TMW-BTW-LP-SC-UNV-X3-DM01
L2.4	4" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	32	RECESSED	FLANGE, SILVER FINISH	MARK #SL2L-LOP-4FT-FLP-FL-80CRI-35K-800LMF-MIN1-277-SLVT	FINELITE #HP-2-R-D-4"-V-835-F-96LG-277-SC-FC-1%-VF-FE-SA	ALW #LP2RT-DRY-S4-HI/80/3500-0/10V/1%-EXT/F-AL-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-4"-CC-BTW-LP-SC-UNV-X3-DM01
L2.8	8" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	64	RECESSED	GRID	MARK #SL2L-LOP-8FT-FLP-TG-80CRI-35K-800LMF-MIN1-277	FINELITE #HP-2-R-D-8"-V-835-F-96LG-277-SC-FC-1%-C1-FE-SW	ALW #LP2RT-TGRID-S8-HI/80/3500-0/10V/1%-EXT/F-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-8"-TMW-BTW-LP-SC-UNV-CEILING-DM01
L2.12	12" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	96	RECESSED	GRID	MARK #SL2L-LOP-12FT-FLP-TG-80CRI-35K-800LMF-MIN1-277	FINELITE #HP-2-R-D-12"-V-835-F-96LG-277-SC-FC-1%-C1-FE-SW	ALW #LP2RT-TGRID-S12-HI/80/3500-0/10V/1%-EXT/F-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-12"-TMW-BTW-LP-SC-UNV-CEILING-DM01
L2.14	14" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	112	RECESSED	GRID	MARK #SL2L-LOP-14FT-FLP-TG-80CRI-35K-800LMF-MIN1-277	FINELITE #HP-2-R-D-14"-V-835-F-96LG-277-SC-FC-1%-C1-FE-SW	ALW #LP2RT-TGRID-S14-HI/80/3500-0/10V/1%-EXT/F-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-14"-TMW-BTW-LP-SC-UNV-CEILING-DM01
L2.16	16" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	128	RECESSED	GRID	MARK #SL2L-LOP-16FT-FLP-TG-80CRI-35K-800LMF-MIN1-277	FINELITE #HP-2-R-D-16"-V-835-F-96LG-277-SC-FC-1%-C1-FE-SW	ALW #LP2RT-TGRID-S16-HI/80/3500-0/10V/1%-EXT/F-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-16"-TMW-BTW-LP-SC-UNV-CEILING-DM01
L2.18	18" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	160	RECESSED	GRID	MARK #SL2L-LOP-18FT-FLP-TG-80CRI-35K-800LMF-MIN1-277	FINELITE #HP-2-R-D-18"-V-835-F-96LG-277-SC-FC-1%-C1-FE-SW	ALW #LP2RT-TGRID-S18-HI/80/3500-0/10V/1%-EXT/F-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-18"-YBK-BTW-LP-SC-UNV-CEILING-DM01
L2.24	24" RECESSED LED LINEAR FIXTURE, 800 LM/FT	LED	3500 K	277	216	RECESSED	FLANGE, SILVER FINISH	MARK #SL2L-LOP-24FT-FLP-FL-80CRI-35K-800LMF-MIN1-277-SLVT	FINELITE #HP-2-R-D-24"-V-835-F-96LG-277-SC-FC-1%-VF-FE-SA	ALW #LP2RT-DRY-S24-HI-80-3500K-0/10V/1%-AL-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-SO-24-CC-SAL-SC-UNV-X3-DM01
L3.8	8" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277	32	RECESSED	GRID	MARK #SL4L-LOP-8FT-FLP-FL-80CRI-35K-800LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-FH-80-MED-35-8"-UNV-D1-1C-TB15-W	ALW #SP4R/F-TGRID/15/16-S8-MED/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-700-80-35-ASO-8"-W-UNV-DP-1-TB15
L3.24	24" LINEAR LED RECESSED, WALL WASH FIXTURE, 4" APERTURE	LED	3500 K	277	64	RECESSED	FLANGE	MARK #SL4L-LOP-24FT-FLP-FL-80CRI-35K-1000LMF-MIN1-277	FINELITE #HP4-R-D-24-V-835-96LG-277-SC-FC-1%-VF-SW	ALW #SP4R/F-TRIM-S24-HI-80-3500K-0/10V/0%-CR/S	PRUDENTIAL LTG #BPRO4-REC-FLSH-LED35-HO-24-TWM-SAL-LP-SC-UNV-X3-DM01
L4.4	4" SLOT 2 RECESSED LED WALL WASH FIXTURE, 600 LM/FT	LED	3500 K	277	24	RECESSED	GRID	MARK #SL2L-LOP-4FT-FLP-TG-80CRI-35K-600LMF-WW-MIN1-277	FINELITE #HP-2-R-WW-D-4"-H-835-F-96LG-277-SC-FC-1%-C1-FE-SW	ALW #SP2.5R/R-TGRID/15/16-S4-MED/80/3500-0/10V/1%-CR/ASY-SW-UNV	PRUDENTIAL LTG #BPRO2-REC-FLSH-LED35-MO-4"-TMW-WWF-LP-SC-UNV-X1-MO
L5.12	12" ASYMMETRICAL RECESSED LED LINEAR FIXTURE, 700 LM/FT	LED	3500 K	277	32	RECESSED	GRID	MARK #SL4L-LOP-12-FLP-TG-80CRI-35K-800LMF-WW-MIN1-277-ZT	LUMENWERX #VIA4R-ARO2-LED-80-750-35-12"-UNV-D1-1-TB15-W	ALW #SP4R/R-TGRID/15/16-S12-MED/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-700-80-35-ASO-12"-W-UNV-DP-1-TB15
L5.14	14" ASYMMETRICAL RECESSED LED LINEAR FIXTURE, 700 LM/FT	LED	3500 K	277	32	RECESSED	GRID	MARK #SL4L-LOP-14-FLP-TG-80CRI-35K-800LMF-WW-MIN1-277-ZT	LUMENWERX #VIA4R-ARO2-LED-80-750-35-14"-UNV-D1-1-TB15-W	ALW #SP4R/R-TGRID/15/16-S14-MED/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-700-80-35-ASO-14"-W-UNV-DP-1-TB15
L6.12	12" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277	52	RECESSED	GRID	MARK #SL4L-LOP-12FT-FLP-FL-80CRI-35K-400LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-LED-80-500-35-12"-UNV-D1-1-TB15-W	ALW #SP4R/F-TGRID/15/16-S12-LOW/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-400-80-35-ASO-12"-W-UNV-DP-1-TB15
L6.14	14" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277	64	RECESSED	GRID	MARK #SL4L-LOP-14FT-FLP-FL-80CRI-35K-400LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-LED-80-500-35-14"-UNV-D1-1-TB15-W	ALW #SP4R/F-TGRID/15/16-S14-LOW/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-400-80-35-ASO-14"-W-UNV-DP-1-TB15
L6.18	18" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277	80	RECESSED	GRID	MARK #SL4L-LOP-18FT-FLP-FL-80CRI-35K-400LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-LED-80-500-35-18"-UNV-D1-1-TB15-W	ALW #SP4R/F-TGRID/15/16-S18-LOW/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-400-80-35-ASO-18"-W-UNV-DP-1-TB15
L6.20	20" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277		RECESSED	GRID	MARK #SL4L-LOP-20FT-FLP-FL-80CRI-35K-400LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-LED-80-500-35-20"-UNV-D1-1-TB15-W	ALW #SP4R/F-TGRID/15/16-S20-LOW/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-400-80-35-ASO-20"-W-UNV-DP-1-TB15
L6.24	24" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277	104	RECESSED	GRID	MARK #SL4L-LOP-24FT-FLP-FL-80CRI-35K-400LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-LED-80-500-35-24"-UNV-D1-1-TB15-W	ALW #SP4R/F-TGRID/15/16-S24-LOW/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-400-80-35-ASO-24"-W-UNV-DP-1-TB15
L6.26	26" SLOT 4 RECESSED LED WALL WASH FIXTURE	LED	3500 K	277	112	RECESSED	GRID	MARK #SL4L-LOP-26FT-FLP-FL-80CRI-35K-400LMF-WW-MIN1-277	LUMENWERX #VIA4R-ARO2-LED-80-500-35-26"-UNV-D1-1-TB15-W	ALW #SP4R/F-TGRID/15/16-S26-LOW/80/3500-0/10V/1%-CR/ASY-N-N-N-SW-UNV	AXIS #BBRLED-400-80-35-ASO-26"-W-UNV-DP-1-TB15
P1	24" DIA ARCHITECTURAL LED PENDANT FIXTURE, 2755 LUMENS	LED	3500 K	277	25	PENDANT	MTD 7" 0" TO BOTTOM UNF, FIXTURE COLOR SHALL BE BLACK	OCL-NO1-P1FB-24-MW-BKP-LED2-35K-UNV-DM1	TMS LIGHTING #JOOPI-300-24-32LED-CRD-35-277-BC-F15-00-DIML-ACC	EUREKA #4256-24-LED35-DV	
P2.6	6" DIRECT/INDIRECT SLOT 2 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	65	PENDANT	④	MARK #S2LID-LLP-6FT-80CRI-35K-400LMF-180CRI-135K-11000LMF-MIN1-277	FINELITE #HP2-P-ID-6"-V-835-F-F-96LG-277-SC-FC-1%-FA50-C1-FE-SW	ALW #SP2.5S-S6-LOW/80/3500-0/10V/1%-CR/S-HIGH/80/3500-0/10V/1%-CR/S-AL-UNV	AXIS #TB2DILED-1100/400-80-35-SO/6"-AP-UNV-DP-1-CT15(L)
P2.8	8" DIRECT/INDIRECT SLOT 2 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	86	PENDANT	④	MARK #S2LID-LLP-8FT-80CRI-35K-400LMF-180CRI-135K-11000LMF-MIN1-277	FINELITE #HP2-P-ID-8"-V-835-F-F-96LG-277-SC-FC-1%-FA50-C1-FE-SW	ALW #SP2.5S-S8-LOW/80/3500-0/10V/1%-CR/S-HIGH/80/3500-0/10V/1%-CR/S-AL-UNV	AXIS #TB2DILED-1100/400-80-35-SO/8"-AP-UNV-DP-1-CT15(L)
P2.16	16" DIRECT/INDIRECT SLOT 2 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	172	PENDANT	④	MARK #S2LID-LLP-16FT-80CRI-35K-400LMF-180CRI-135K-11000LMF-MIN1-277	FINELITE #HP2-P-ID-16"-V-835-F-F-96LG-277-SC-FC-1%-FA50-C1-FE-SW	ALW #SP2.5S-S16-LOW/80/3500-0/10V/1%-CR/S-HIGH/80/3500-0/10V/1%-CR/S-AL-UNV	AXIS #TB2DILED-1100/400-80-35-SO/16"-AP-UNV-DP-1-CT15(L)
P2.20	20" DIRECT/INDIRECT SLOT 2 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	215	PENDANT	④	MARK #S2LID-LLP-20FT-80CRI-35K-400LMF-180CRI-135K-11000LMF-MIN1-277	FINELITE #HP2-P-ID-20"-V-835-F-F-96LG-277-SC-FC-1%-FA50-C1-FE-SW	ALW #SP2.5S-S20-LOW/80/3500-0/10V/1%-CR/S-HIGH/80/3500-0/10V/1%-CR/S-AL-UNV	AXIS #TB2DILED-1100/400-80-35-SO/20"-AP-UNV-DP-1-CT15(L)
P2.24	24" DIRECT/INDIRECT SLOT 2 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	301	PENDANT	④	MARK #S2LID-LLP-24FT-80CRI-35K-400LMF-180CRI-135K-11000LMF-MIN1-277	FINELITE #HP2-P-ID-24"-V-835-F-F-96LG-277-SC-FC-1%-FA50-C1-FE-SW	ALW #SP2.5S-S24-LOW/80/3500-0/10V/1%-CR/S-HIGH/80/3500-0/10V/1%-CR/S-AL-UNV	AXIS #TB2DILED-1100/400-80-35-SO/24"-AP-UNV-DP-1-CT15(L)
P3.8	8" SLOT 4 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	47	PENDANT	③ BLACK FINISH	MARK #S4LD-LLP-8FT-80CRI-35K-600LMF-MIN1-MVOLT-BLK	FINELITE #HP-4-P-D-8"-H-835-F-96LG-277-SC-FC-1%-FA50-C1-FE-FB	ALW #SP4S-S8-MED/80/3500-0/10V/1%-CR/S-N-N-N-N-N-SB-UNV	AXIS #TB4DLED-600-80-35-SO-8"-BLK-UNV-DP-1-CT15(L)
P3.12	12" SLOT 4 PENDANT LED LINEAR FIXTURE	LED	3500 K	277	71	PENDANT	③ BLACK FINISH	MARK #S4LD-LLP-12FT-80CRI-35K-600LMF-MIN1-MVOLT-BLK	FINELITE #HP-4-P-D-12"-H-835-F-96LG-277-SC-FC-1%-FA50-C1-FE-FB	ALW #SP4S-S12-MED/80/3500-0/10V/1%-CR/S-N-N-N-N-N-SB-UNV	AXIS #TB4DLED-600-80-35-SO-12"-BLK-UNV-DP-1-CT15(L)
P3H.12	12" SLOT 4 PENDANT LED LINEAR FIXTURE, 1000LM/FT	LED	3500 K	277	131	PENDANT	③ BLACK FINISH	MARK #S4LD-LLP-12FT-80CRI-35K-1000LMF-MIN1-MVOLT-BLK	FINELITE #HP-4-P-D-12"-H-835-F-96LG-277-SC-FC-1%-FA50-C1-FE-FB	ALW #SP4S-S12-HIGH/80/3500-0/10V/1%-CR/S-N-N-N-N-N-SB-UNV	AXIS #TB4DLED-1000-80-35-SO-12"-BLK-UNV-DP-1-CT15(L)
P5.29	29" BLACK SLOT 2 PENDANT LED LINEAR FIXTURE, 600LM/FT	LED	3500 K	277	197	PENDANT	③ BLACK FINISH	MARK #S2LD-LLP-29FT-80CRI-35K-600LMF-MIN1-MVOLT-BLK	FINELITE #HP-2-P-D-35"-H-835-F-96LG-277-SC-FC-1%-FA50-C1-FE-FB	ALW #SP2.5S-S29-MED/80/3500-0/10V/1%-CR/S-N-N-N-N-N-SB-UNV	AXIS #TB2DILED-750-80-35-SO-29"-BLK-UNV-DP-1-CT15(L)
P6	14" DIA ARCHITECTURAL LED PENDANT FIXTURE, 2100 LUMENS	LED	3500 K	277	25	PENDANT	⑤ MOUNT 7" 6" AFF	SEE ALT 3	SEE ALT 3	OCL #EA1-P1CB-B-14-WG-BKP-LED3-35K-UNV-DM1	
P7	ARCHITECTURAL LED PENDANT FIXTURE, 2755 LUMENS	LED	3500 K	277	25	PENDANT		PABLO #BELMONT-26-277-SILVERDALE	CDS LTG # CDS-CCUL-G-USV	SEE BOD	SEE BOD
P8	36" DIA ARCHITECTURAL LED PENDANT FIXTURE, 2755 LUMENS	LED	3500 K	277	25	PENDANT		BARN LIGHT #BLE-C-DBL36-200-200-X-NA-LED27-3500K-NA	TMS LIGHTING #JOO-36-19LED-CRD-35K-277-WC-F05-00-DIML-ACC	CERCH10 P08-.02-36-277	
P9	36" DIA ARCHITECTURAL LED PENDANT FIXTURE, 2755 LUMENS	LED	3500 K	277	25	PENDANT		BARN LIGHT #BLE-C-DBL36-200-200-X-NA-LED27-3500K-NA	TMS LIGHTING #JOO-36-19LED-CRD-35K-277-WC-F05-00-DIML-ACC	CERCH10 P08-.02-36-277	
R1	2x4 LED PANEL FIXTURE, 7200 LUMENS	LED	3500 K	277	50	RECESSED		LITHONIA #EPANL-2X4-7200LM-80CRI-35K-MIN1-ZT-MVOLT	TGS #88-22-50-35-S-F-80-CRI	SIGNIFY #2FP274L835-4-DS-UNV-DIM	COLUMBIA #SRP24-35VL-G-ED1-U
R2	2x2 LED PANEL FIXTURE, 4800 LUMENS	LED	3500 K	277	30	RECESSED		LITHONIA #EPANL-2X2-4800LM-80CRI-35K-MIN1-ZT-MVOLT	LEGION #JBPV3-12-CCT-UNV-SM12WH	SIGNIFY #2FP248L835-2-DS-UNV-DIM	COLUMBIA #SRP22-35VL-G-ED1-U
R3	1x2 RECESSED LED FIXTURE, 2500 LUMENS	LED	3500 K	277		RECESSED		NEWSTAR #AG-G-12-OP-UN-35	TGS #88-22-40-35-S-F-80-CRI		
R4	2x2 LED PANEL FIXTURE, 3400 LUMENS	LED	3500 K	277	32	RECESSED		LITHONIA #EPANL-2X2-3400LM-80CRI-35K-MIN1-ZT-MVOLT	H.E. WILLIAMS 75S-4-L50/835-DIM-UNV	SIGNIFY #2FP232L835-2-DS-UNV-DIM	COLUMBIA #SRP22-35ML-G-ED1-U
S1	48" LINEAR LED STRIPLIGHT, 5000 LUMENS	LED	3500 K	277	41	PENDANT		LITHONIA #ZL1D-L48-5000LM-FST-MVOLT-35K-80CRI	ELITE LIGHTING #2-OC4-LED-4000L-DIM10-MVOLT-35K-85-WH	BARRON #SLS-4-40-C	COLUMBIA #MPS4-35HL-FW-ED1-U
ST1	4" LINEAR WALL MOUNTED STAIR FIXTURE, 1000LM/FT	LED	3500 K	277	39	WALL	WHITE	NEWSTAR #STWL-4-L2-35-UN-BB	SERNBERG #PT-1843LED-12L-T5-X-CTA-FHC-BKT-10" TA BLACK POLE	ALW #LP2WD-S4-MED-90-3500K-0/10V/S-TW-UNV	PRUDENTIAL #BOLT-PRO-LED35-SO-4-SAL-TMW-UNV-SUR-DM01
T1	EXTERIOR PEDESTRIAN LIGHTING	LED	4000 K	277V	60	POLE					HCL #F151-M-CAC-50WLED-4000K-120V-277V-IES5-P418-1-MOD-43ATP-10-RAL9011
U1	LED COVE LIGHT	LED	3500 K	277	32	COVE	①	ECOSENSE #L35-I-12-12-35-GR-80-MULT-120	SEE BOD	SEE BOD	SEE BOD
V1	LED LINEAR COVE FIXTURE, BENDABLE	LED	3500 K	277	32	SURFACE	② MAX DIMENSIONS 1" X 1"	PRECISE LED ZENITE	SEE BOD	SEE BOD	SEE BOD
V2	LED LINEAR COVE FIXTURE, BENDABLE	LED	3500 K	120	32	SURFACE	② MAX DIMENSIONS 1" X 1"	PRECISE LED ZENITE	SEE BOD	SEE BOD	SEE BOD

DRAWING NOTES

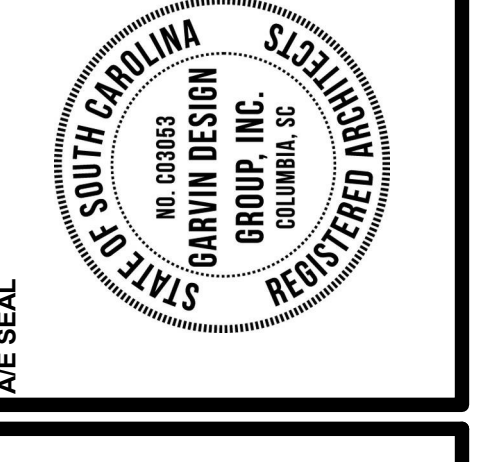
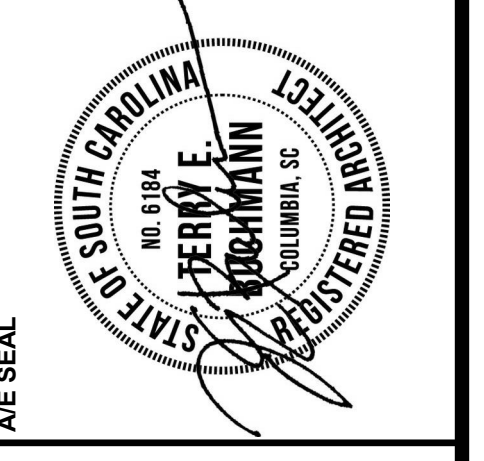
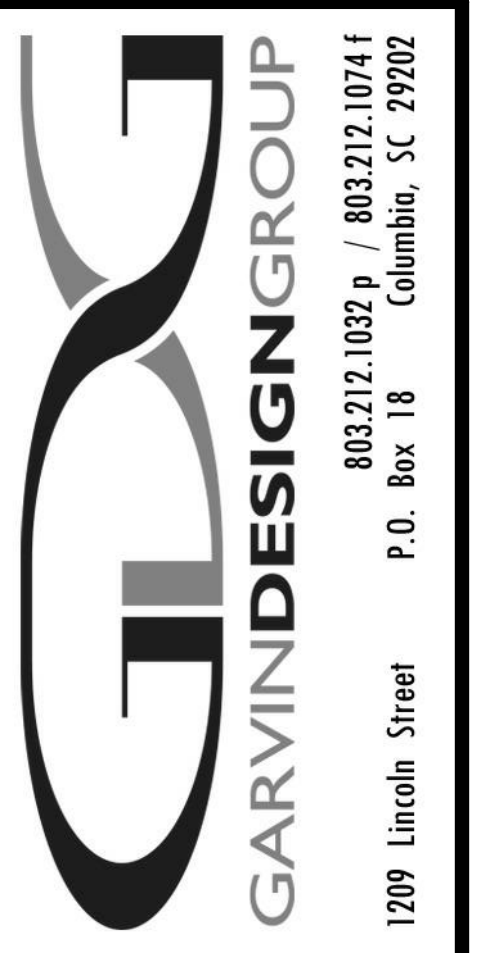
- ① U1 FIXTURE FOR SKYLIGHT COVE SHALL APPEAR CONTINUOUS. PROVIDE ALL MOUNTING BRACKETS, CONNECTOR CABLING, ETC TO PROVIDE COMPLETE CONTINUOUS COVE LIGHTING. LENS SHALL BE ORIENTED AWAY FROM GLAZING. COORDINATE WITH ARCHITECT LOCATED DRIVER ABOVE ACCESSIBLE CEILING. FIXTURE SHALL BE FIELD DIMENSIONED PRIOR TO ORDERING. CONTRACTOR TO PROVIDE A MOCK UP OF THE COVE AND THE FIXTURE INSTALLED IN THE COVE FOR DESIGN TEAM REVIEW. PROVIDE A MINIMUM OF 6" OF MOCKED UP COVE.
- ② V1 AND V2 FIXTURE FOR SKYLIGHT COVE SHALL APPEAR CONTINUOUS. PROVIDE ALL MOUNTING BRACKETS, CONNECTOR CABLING, ETC TO PROVIDE COMPLETE CONTINUOUS COVE LIGHTING. LOCATED DRIVER ABOVE ACCESSIBLE CEILING. FIXTURE SHALL BE FIELD DIMENSIONED PRIOR TO ORDERING. CONTRACTOR TO PROVIDE A MOCK UP OF THE WOOD VENEER WALL COVERING AND THE FIXTURE INSTALLED FOR DESIGN TEAM REVIEW. PROVIDE A MINIMUM OF 6" OF MOCKED UP SOFFIT. SEE DETAIL ON A6.17.
- ③ MOUNT BOTTOM FIXTURE WITH ARCHITECTURAL BAFFLES/CEILING.
- ④ MILL ALUMINUM OR NATURAL FINISH. WHITE CANOPY AND CORD.
- ⑤ SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.

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1 CAST STONE & GFRG PROFILES
A6.19 1/12" = 1'-0" REFERENCED
OK

GENERAL NOTES - CAST STONE & GFRG PROFILES

- THE GFRG PANEL FABRICATION SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND RELATED SERVICES TO MANUFACTURE PANELS AS INDICATED AND DESCRIBED BY THE CONTRACT DOCUMENTS INCLUDING:
 - SHOP DRAWINGS & ENGINEERING CALCULATIONS FOR PANELS, INTERNAL STUD SUPPORT FRAME, AND ALL ATTACHMENTS TO THE BUILDING STRUCTURE.
 - ALL INTEGRAL GFRG FRAMING, ATTACHMENTS & CLEATS BY GFRG MANUF.
 - PROVIDE LOOSE CONNECTION HARDWARE, CONTINUOUS CLEATS, AND HARDWARE FOR EMBEDMENT IN CAST-IN-PLACE CONCRETE, AS INDICATED OR REQUIRED FOR PANEL ATTACHMENT TO THE BUILDING STRUCTURE. COORDINATE ANY REQUIRED CONTINUOUS BLOCKING NEEDS WITH THE GENERAL CONTRACTOR.
- CAST STONE AND GFRG PROFILES REQUIRE FIELD VERIFICATION OF EACH INDEPENDENT LOCATION FOR ALL ROUGH OPENING ALLOWANCES, PANEL AND FRAME LENGTHS, FRAME AND ATTACHMENT NEEDS AND CONFIGURATIONS, AND COORDINATION OF ANY MISCELLANEOUS BLOCKING OR RELATED ANCHORING NEEDS.
- GFRG PANELS ARE REQUIRED TO COMPLY WITH STATED WIND AND OTHER STRUCTURALLY LOAD CRITERIA INCLUDING LARGE AND SMALL MISSILE IMPACT CRITERIA.



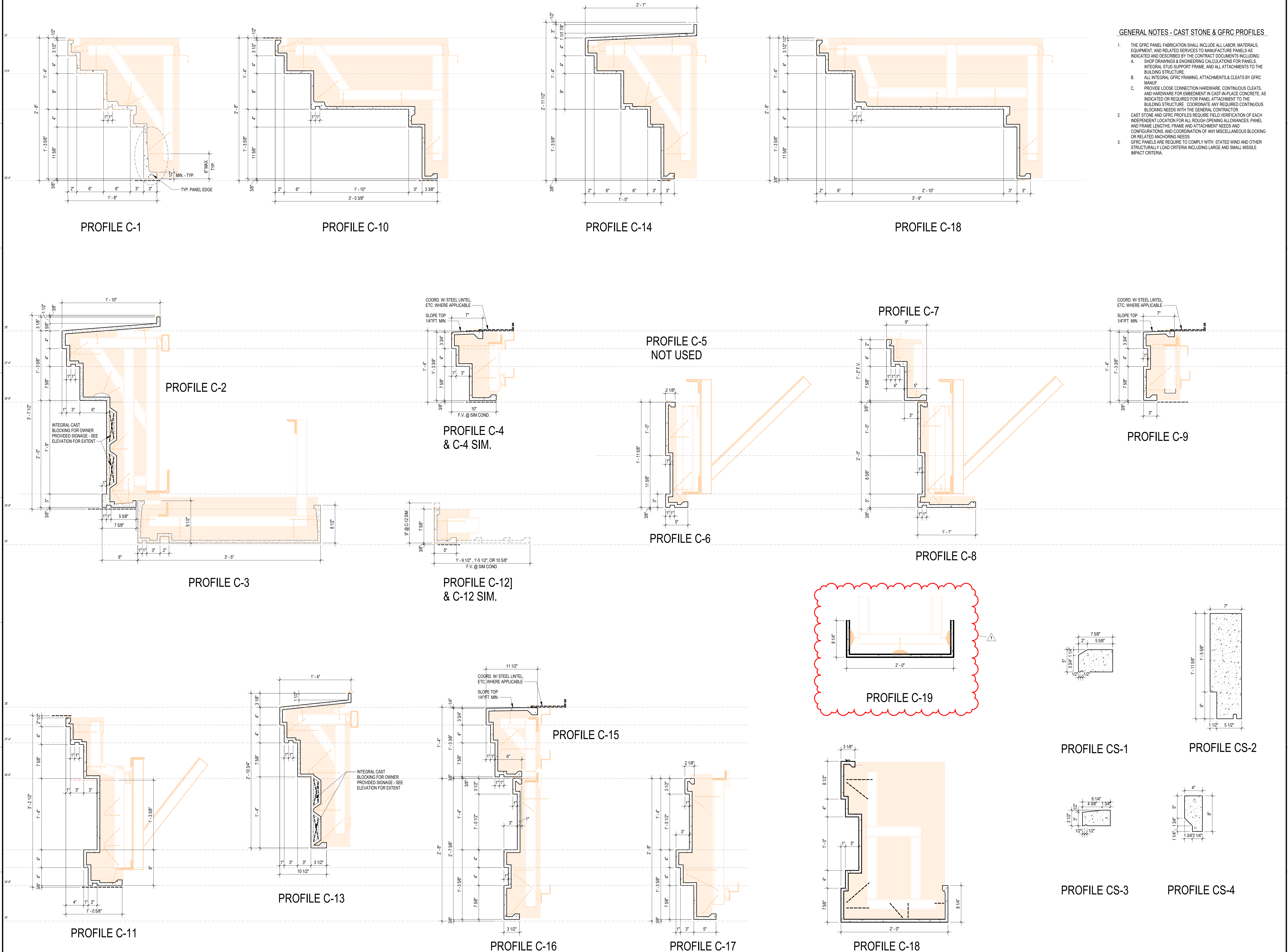
PROJECT TITLE
**COASTAL CAROLINA UNIVERSITY
LIBRARY LEARNING COMPLEX**
STATE PROJECT NUMBER: H17-9615-MJ
370 UNIVERSITY BLVD.
CONWAY, SC 29526

NO.	REVISIONS	NAME	DATE
1	ADDENDUM 2		02/09/22

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DATE: 02/09/22

DRAWING TITLE
CAST STONE & GFRG PROFILES

PROJECT NO. C595.19
DATE 01.14.22
DRAWING NO. **A6.19**

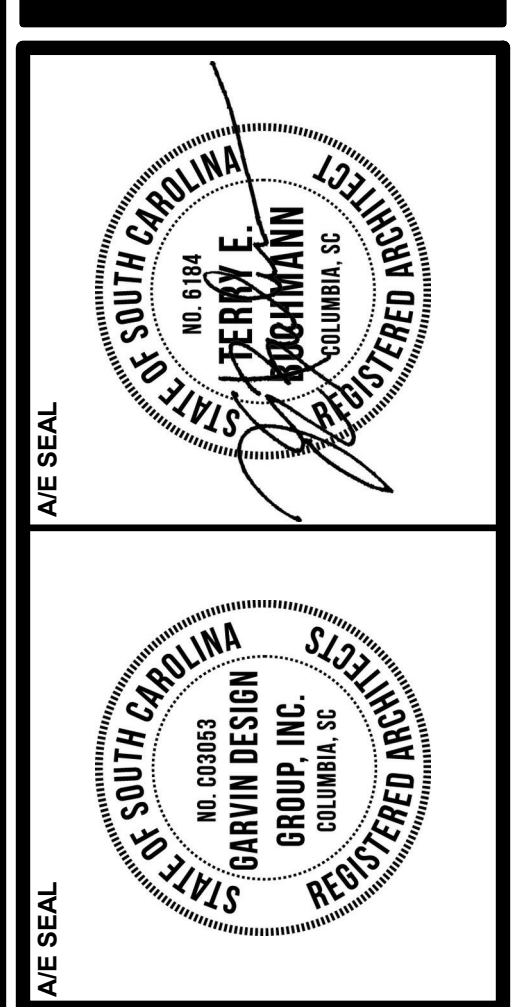
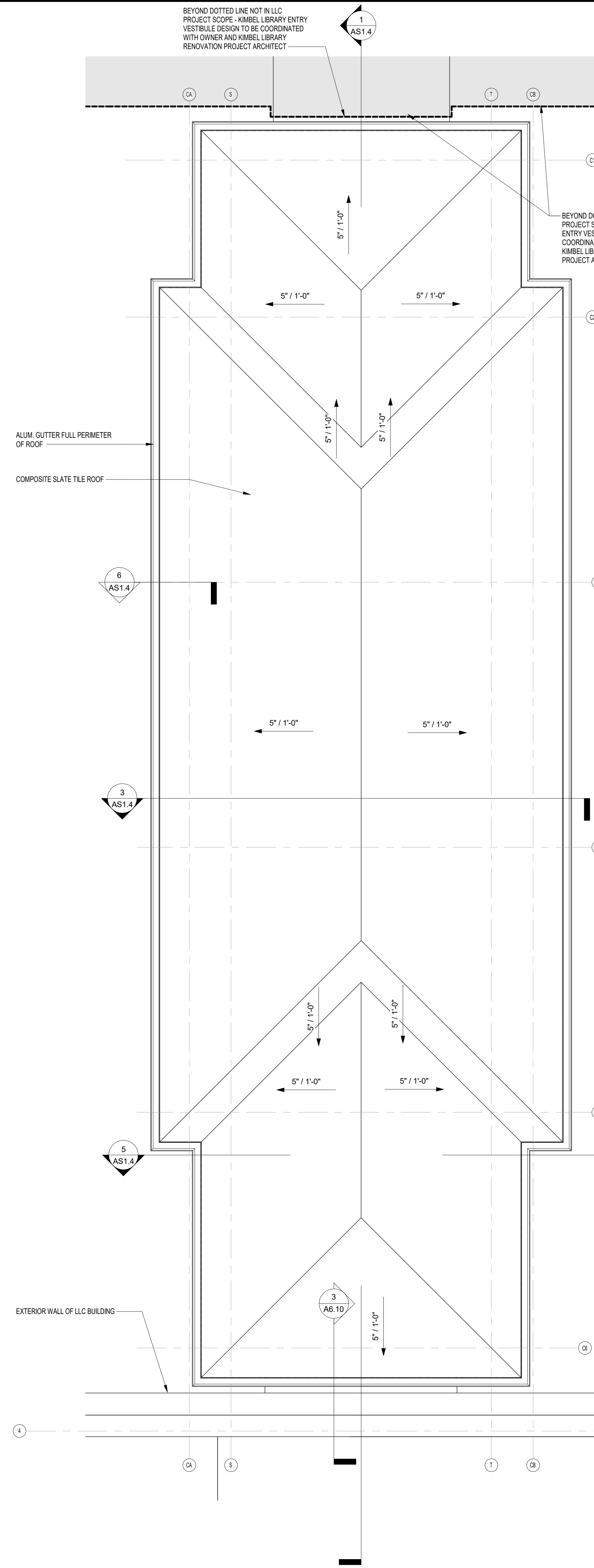
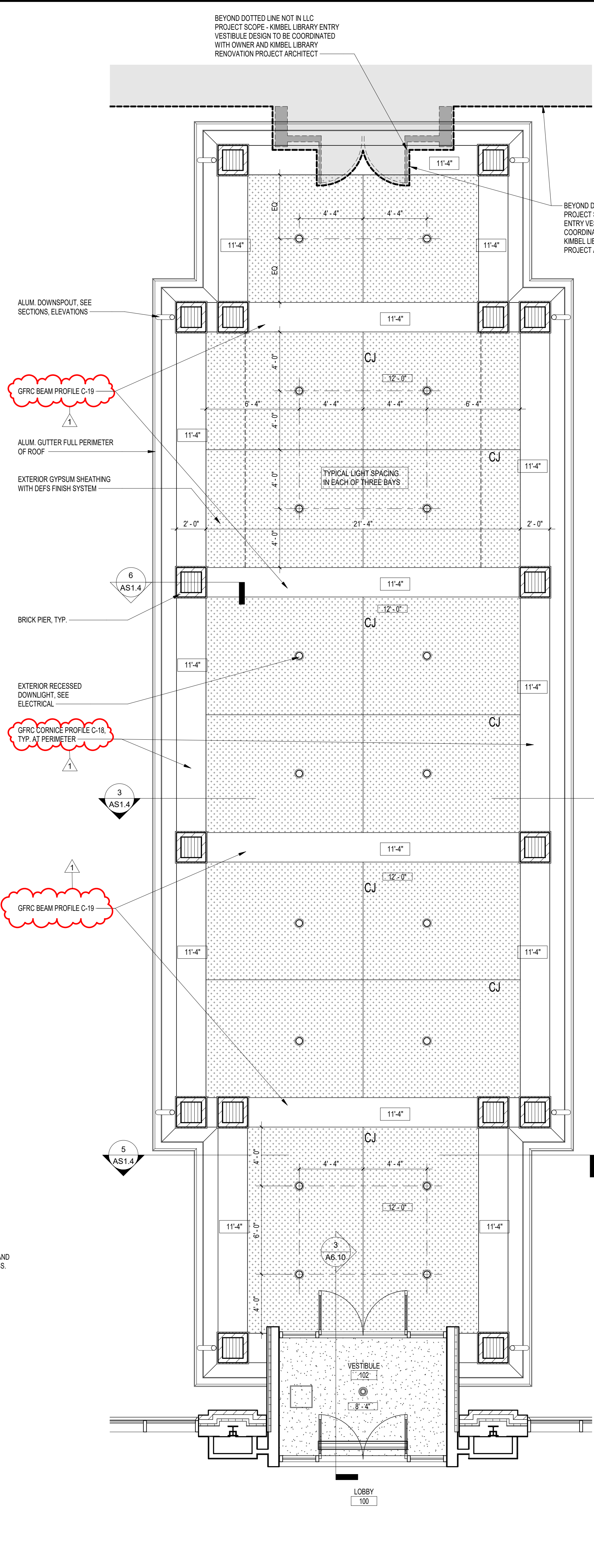
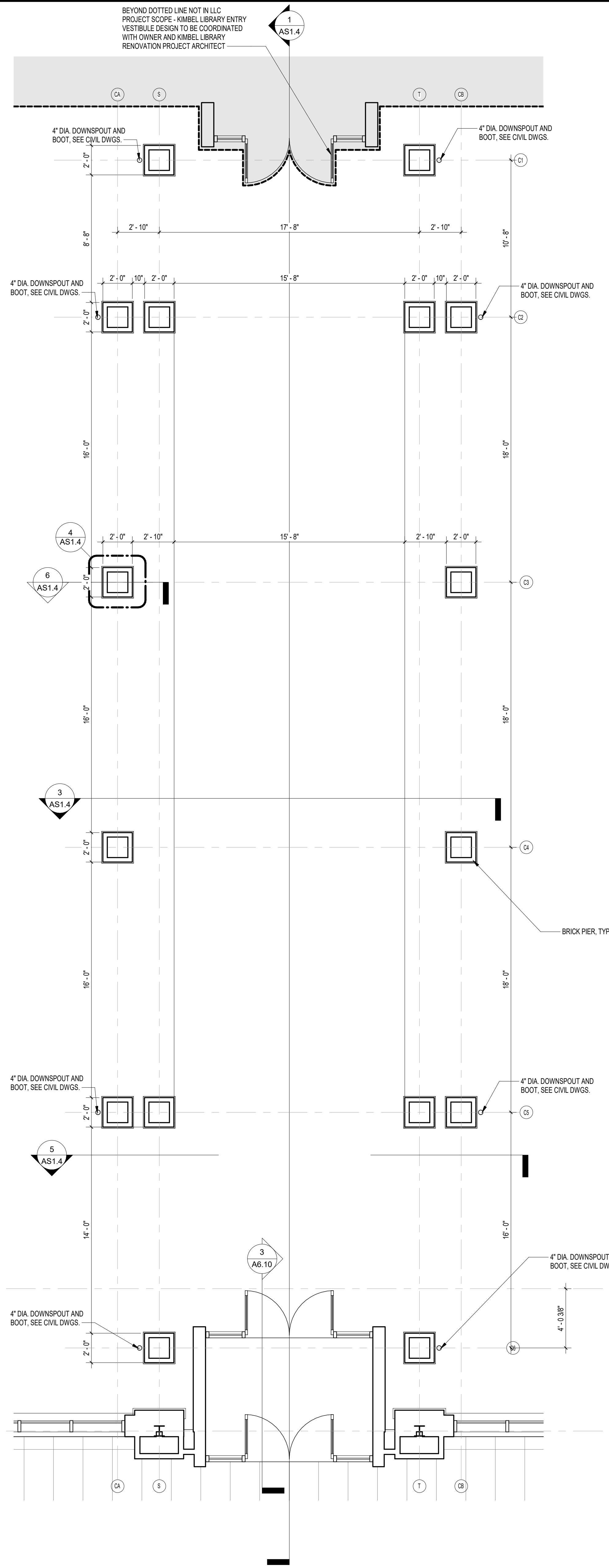


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1 ENLARGED PLAN -- CONNECTOR
AS1.3 1/4" = 1'-0"
REFERENCED: AS1.2
DK

2 REFLECTED CEILING PLAN - CONNECTOR
AS1.3 1/4" = 1'-0"
REFERENCED: DK

3 ENLARGED PLAN - CONNECTOR ROOF
AS1.3 1/4" = 1'-0"
REFERENCED: AS1.2
DK



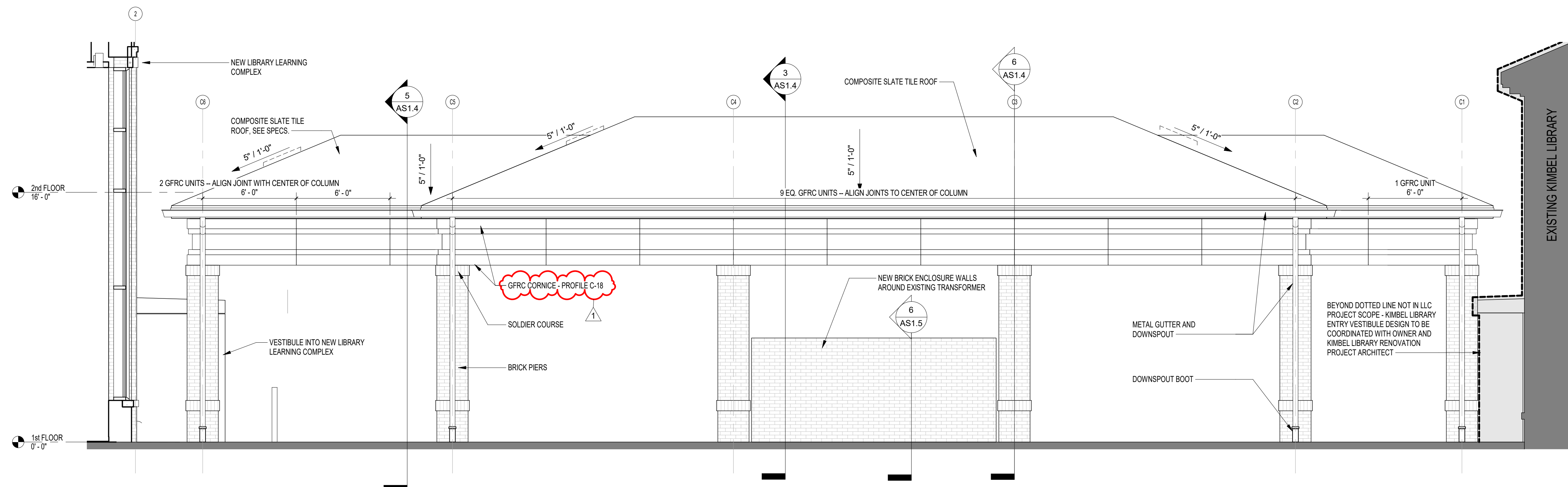
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COASTAL CAROLINA UNIVERSITY
LIBRARY LEARNING COMPLEX
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NO.	REVISIONS	DATE
1	ADDENDUM 2	02/09/22

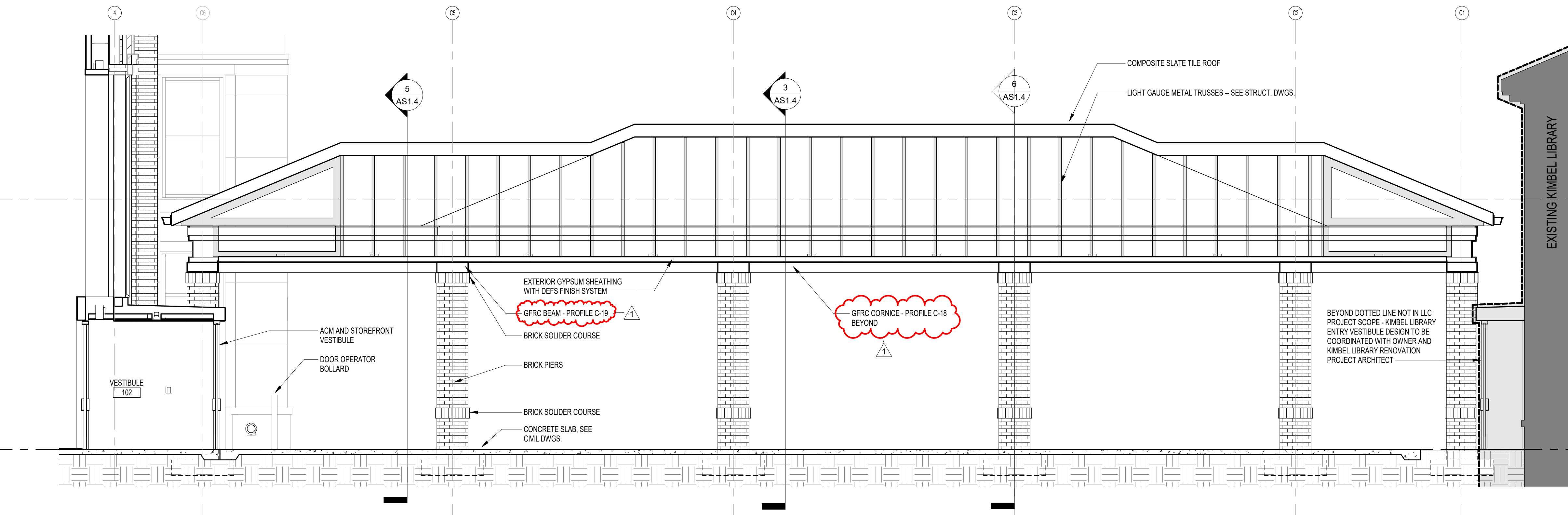
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DRAWING TITLE
CONNECTOR PLAN, RCP AND ROOF PLAN

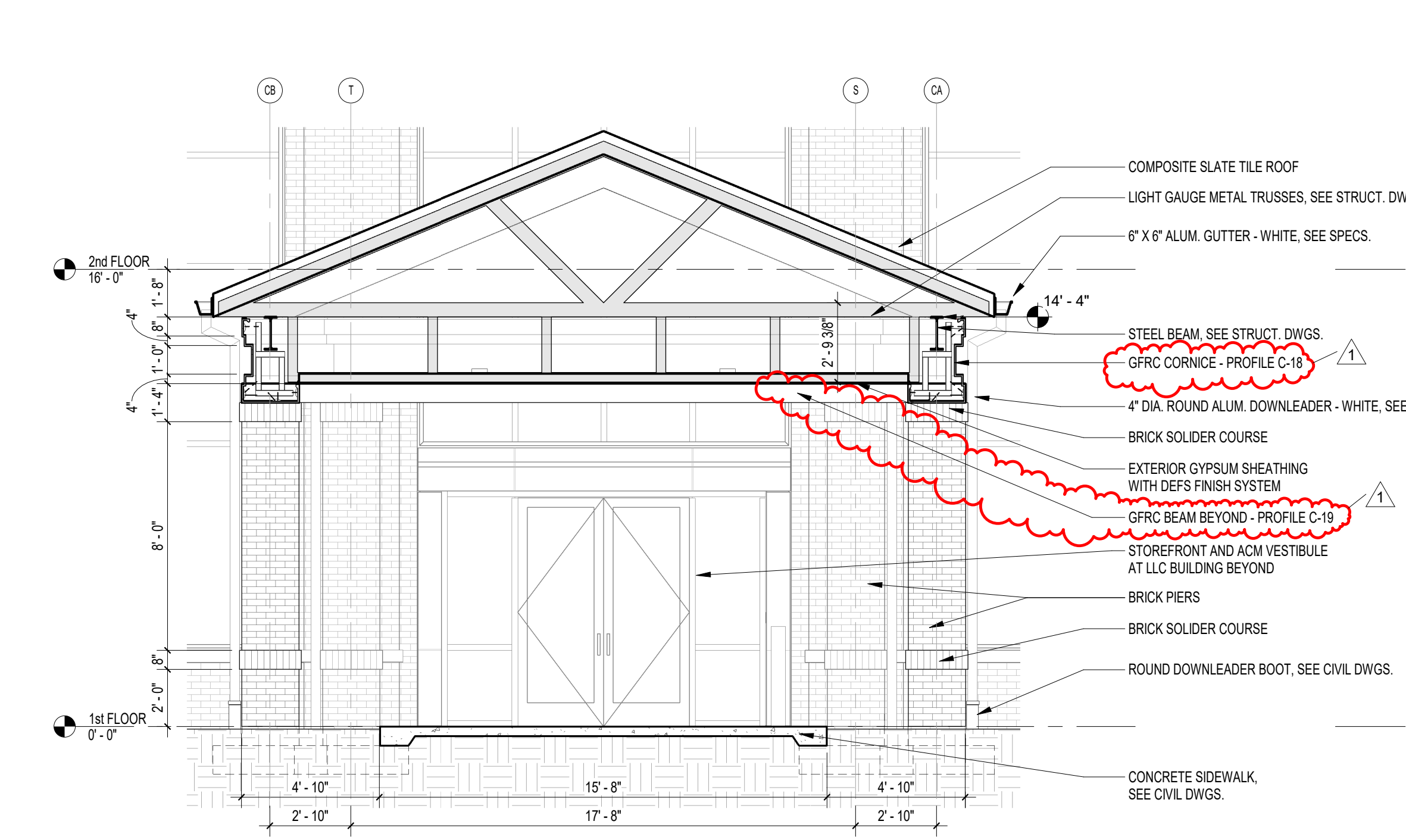
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DATE
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DRAWING NO.
AS1.3



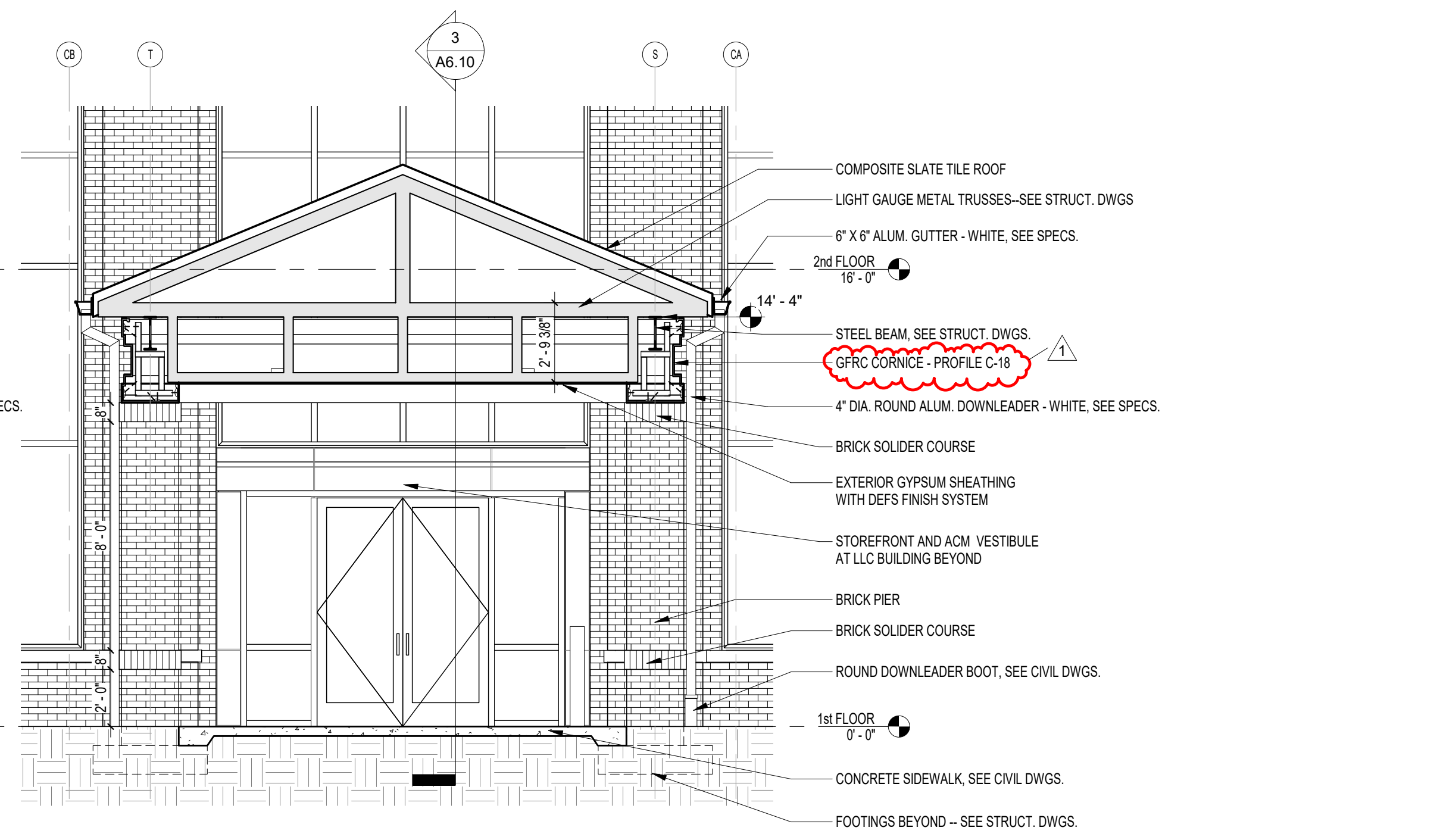
2 CONNECTOR EAST ELEVATION
AS1.4 1/4" = 1'-0"
REFERENCED: AS1.1



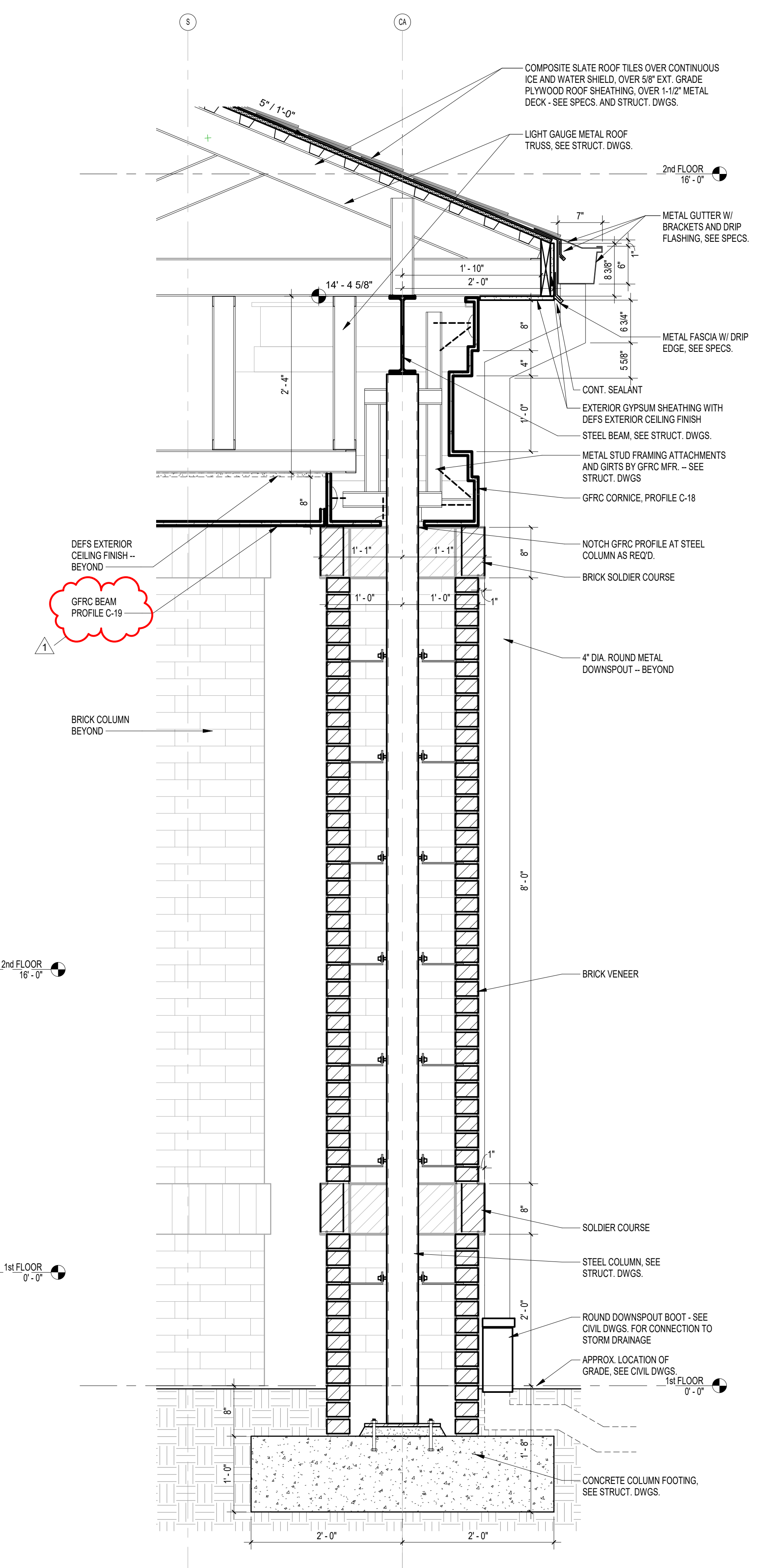
1 CONNECTOR LONGITUDINAL SECTION
AS1.4 1/4" = 1'-0"
REFERENCED: AS1.3



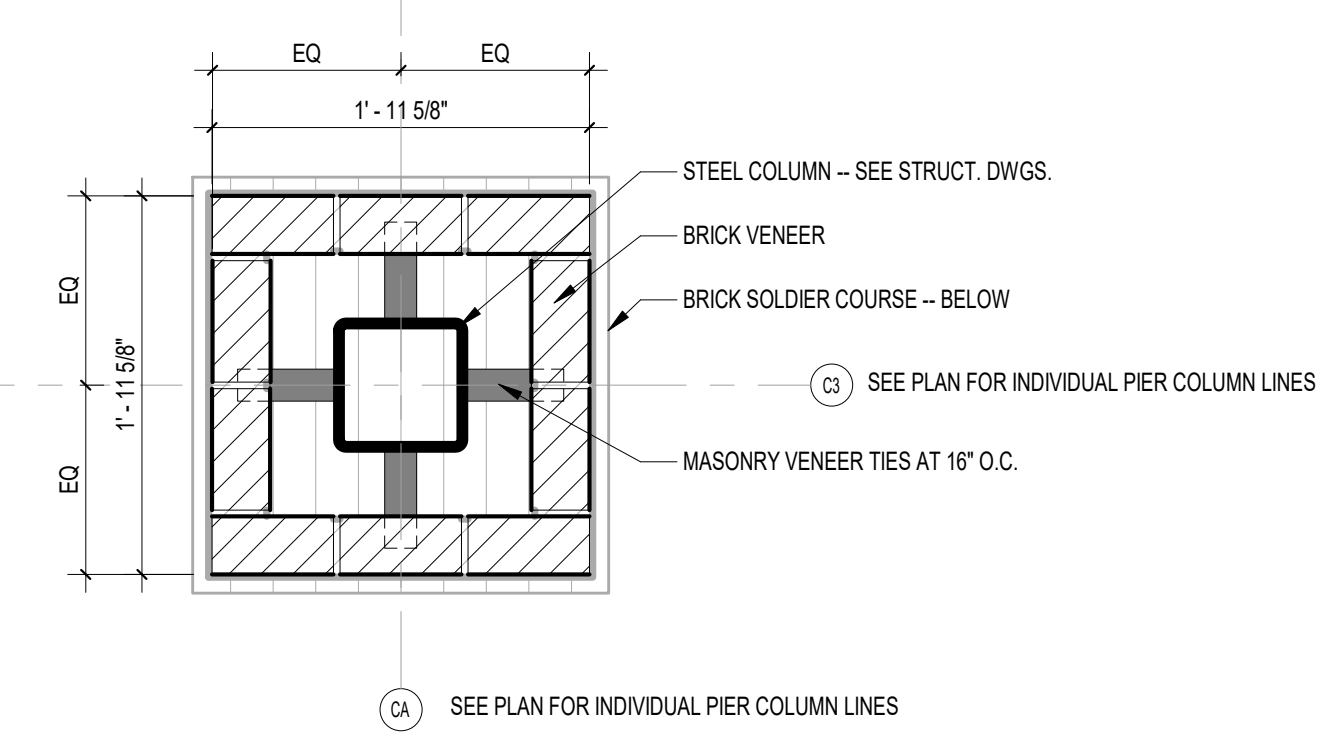
3 CONNECTOR CROSS SECTION
AS1.4 1/4" = 1'-0"
REFERENCED: AS1.2



5 CONNECTOR CROSS SECTION AT END BAY
AS1.4 1/4" = 1'-0"
REFERENCED: AS1.3

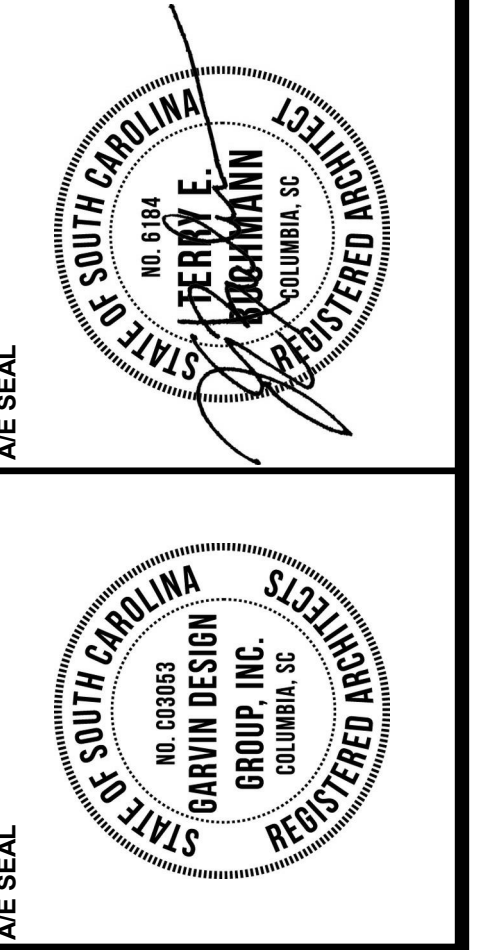


6 WALL SECTION @ CONNECTOR COLUMN
AS1.4 1" = 1'-0"
REFERENCED: AS1.3



4 PLAN DETAIL @ CONNECTOR COLUMN
AS1.4 1" = 1'-0"
REFERENCED: AS1.3

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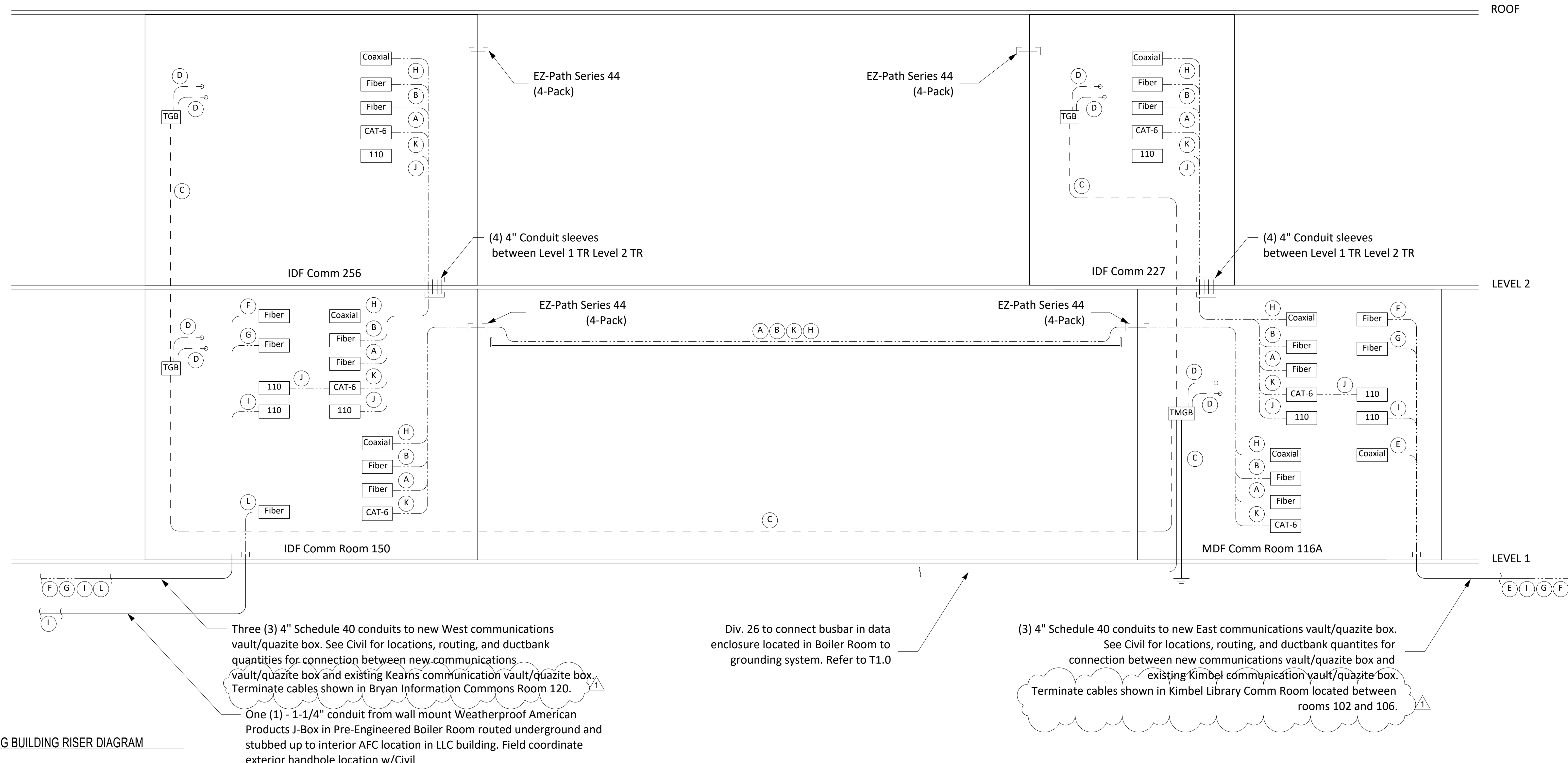
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AUTHOR: [Blank]

DRAWING TITLE
KIMBEL CONNECTOR ELEVATIONS,
SECTIONS, AND DETAILS

PROJECT NO. C269.19
DATE 01-14-22
DRAWING NO. AS1.4



GENERAL NOTES - ENLARGED PLANS

1. Not Used.

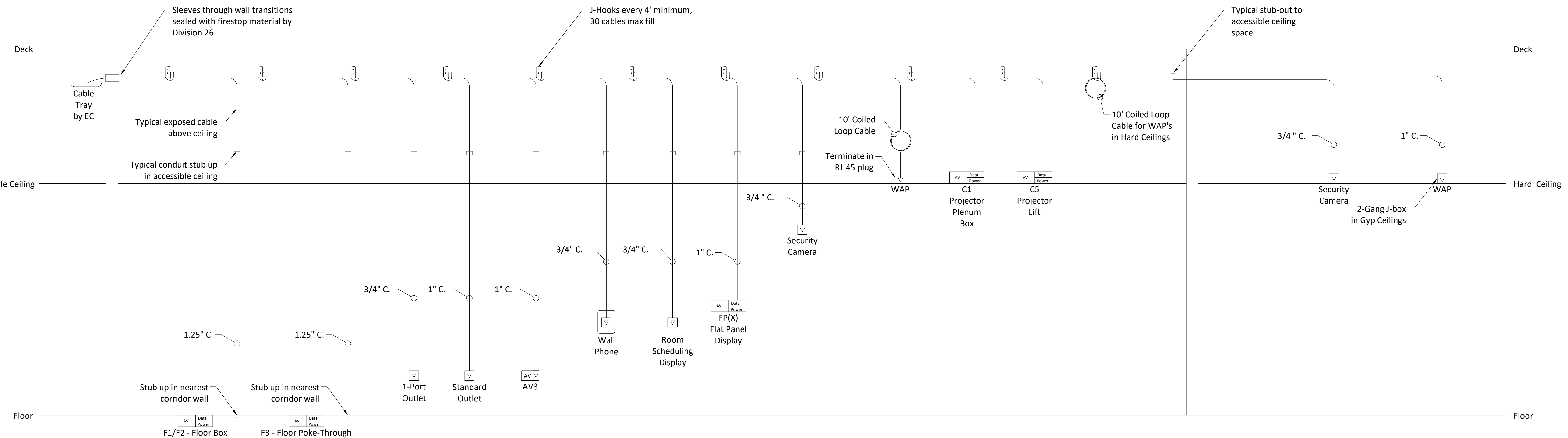
LEGEND - ENLARGED PLANS

- TGB Telecommunications Grounding Busbar
- TMGB Telecommunications Main Grounding Busbar
- Fiber Fiber Optic Patch Panel
- Coaxial Coaxial Patch Panel
- I 4" Conduit Sleeve w/ Firestopping by Div. 26. Firestopping to be installed post-cabling installation.
- CAT-6 CAT-6 Copper Patch Panel - Riser
- 110 Wall-mount 110 Block

KEYNOTES - BUILDING RISER

- A 24-strand OS2 Fiber Optic Cable
- B 12-strand OM3 Fiber Optic Cable
- C Comm Grounding Backbone by Div 26.
- D Comm Grounding 6AWG by Div 27 to each rack and to Ladder Rack System
- E Coaxial CATV Feeder Cable by Service Provider
- F 24-strand OS2 Fiber Optic Cable (OSP)
- G 12-strand OM3 Fiber Optic Cable (OSP)
- H RG-11 Trunk Coaxial CATV Cable
- I 25-pair CAT-3 Copper Feeder Cable (OSP)
- J 25-pair CAT-3 Copper Riser Cable
- K (24) CAT-6 Riser Cables
- L 6-strand OS2 Fiber Optic Cable (OSP)

1 STRUCTURED CABLING BUILDING RISER DIAGRAM
T4.1 1/8" = 1'-0"
REFERENCED ON



2 TYPICAL WALL CONDUIT RISERS
T4.1 1/2" = 1'-0"
REFERENCED ON

GARVIN DESIGN GROUP
803.212.1074
1209 Lincoln Street
Columbia, SC 29902



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STATE PROJECT NUMBER: H17-9616-MJ
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STRUCTURED CABLING SYSTEMS BUILDING AND TYPICAL RISER DIAGRAM

PROJECT NO.: C26519
DATE: 01.14.22
DRAWING NO.: T4.1

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