

ADDENDUM NUMBER 2
Thursday, May 5, 2016

PROJECT: **USC Lancaster Starr Hall Renovation**
 USC PROJECT NO. H37-9517
 GMC PROJECT NO. AGRE150048

This addendum forms a part of the Construction Documents and modifies the original Bidding Documents dated 03.28.2016 as noted below. Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

GENERAL:

A2G1 No new HVAC systems, materials or devices are to be included in this bid. However, the Contractor will be responsible for the minor relocation of existing thermostats, diffusers, and flexible ductwork.

SPECIFICATIONS:

A2S1 SE-330, Page BF3, the contract time (60 calendar days from notice to proceed to substantial completion) and the associated liquidated damages (\$250 for each calendar day) applies only to the Base Bid.

DRAWINGS:

A2D1 Sheet A103, Detail 2 Enlarged Demolition RCP – Admissions, the Ceiling Tile will be removed by others in this area.

A2D2 Replace Electrical Drawings with the attached E1.00 General Notes, Legend and Details, E2.00 Electrical Demolition Plan, E3.00 Lighting Demolition Plan, E4.00 Electrical Renovation Plan, E5.00 Lighting Renovation Plan, and E6.00 Firestop Penetration Details.

END OF ADDENDUM NUMBER 2

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (PHILIPS)
	A	2'x4' DIRECT/INDIRECT STATIC L.E.D. GRID TROFFER.	CREE	ZR24-40L-40K-NON-DIM with 10-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.	DIRECT/INDIRECT w/CENTER BASKET	CEILING RECESSED	120/277V UNIVERS.	L.E.D. - 4000 lumens, 4000K
	B	2'x4' DIRECT/INDIRECT STATIC L.E.D. GRID TROFFER.	CREE	ZR24-50L-40K-NON-DIM with 10-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.	DIRECT/INDIRECT w/CENTER BASKET	CEILING RECESSED	120/277V UNIVERS.	L.E.D. - 5000 lumens, 4000K
	C	8" L.E.D. RECESSED DOWNLIGHT WITH WET LOCATION LISTING.	H.E. WILLIAMS	LX4RT-R-4-L12/840-S-A-DRV-UNV with 5-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.	DIFFUSE ACRYLIC	GYPSUM CEILING RECESSED	120/277V UNIVERS.	L.E.D. - 1200 lumens, 4000K
	U	EMERGENCY LIGHTING UNIT, WALL MOUNTED WITH TWO HEADS, SELF DIAGNOSTICS, AND A 90 MINUTE BATTERY BACKUP SYSTEM.	EMERGI-LITE	PRO-3N-LA-AD with 3-YEAR FULL WARRANTY.	MR16 HEADLAMPS (FLOOD)	MOUNT OVER EXISTING BOX.	120/277V UNIVERS.	2 - 6-VOLT, 4-WATT MR16 L.E.D.
	-	EDGE-LIT L.E.D. EXIT SIGN WITH SINGLE FACE AND GREEN LETTERING. PROVIDE ARROWS/CHEVRONS AS SHOWN ON PLAN.	EMERGI-LITE	TA-PEN-1-GC with 3-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.	GREEN LETTERING	UNIVERSAL WALL OR CEILING	120/277V UNIVERS.	L.E.D. - COMPLY WITH 2012 IBC
	-	EDGE-LIT L.E.D. EXIT SIGN WITH DOUBLE FACE AND GREEN LETTERING. PROVIDE ARROWS/CHEVRONS AS SHOWN ON PLAN.	EMERGI-LITE	TA-PEN-2-GC with 3-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.	GREEN LETTERING	UNIVERSAL WALL OR CEILING	120/277V UNIVERS.	L.E.D. - COMPLY WITH 2012 IBC

NOTE: PROVIDE GRID HOLD-DOWN CLIPS FOR EACH 2'x2' FIXTURE AS REQUIRED TO COMPLY WITH ASTM E-580 AND THE INTERNATIONAL BUILDING CODE.

GENERAL DEMOLITION NOTES

- REMOVE AND LEGALLY DISPOSE OF ALL EXISTING CONTROLS, DEVICES, LIGHTING FIXTURES, EXIT SIGNS, AND ALL ASSOCIATED RACEWAY AND WIRING NOTED ON PLANS.
- REMOVE AND LEGALLY DISPOSE OF ALL EXISTING CONTROLS, DEVICES, LIGHTING FIXTURES, EXIT SIGNS, AND ALL ASSOCIATED RACEWAY AND WIRING NOTED ON PLANS. PROVIDE 2-HOUR RATED FIRESTOPPING COMPOUND IN HOLES WHERE EXISTING RACEWAYS ARE REMOVED.
- THE CONTRACTOR SHALL VISIT THE SITE/ BUILDING TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND SHALL INCLUDE ALL WORK REQUIRED FOR COMPLETE DEMOLITION AND RENOVATION IN HIS BID.

GENERAL CONSTRUCTION NOTES

- PROVIDE ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

INTERNATIONAL BUILDING CODE	2012 EDITION
NFPA 70 - NATIONAL ELECTRICAL CODE	2011 EDITION
ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	2009 EDITION
- PROVIDE NEW RACEWAY AND WIRING TO ALL DEVICES, FIXTURES, AND EQUIPMENT INDICATED ON THE CONTRACT DRAWINGS. THE DRAWINGS INDICATE PARTIAL RACEWAY AND WIRING REQUIREMENTS TO HELP CLARIFY DESIGN INTENT. WHERE RACEWAY AND/OR WIRING IS NOT INDICATED FOR DEVICES, FIXTURES, OR EQUIPMENT THE ARRANGEMENT, GROUPING, AND ROUTING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE.
- PROVIDE FIXTURES AS SHOWN IN THE LIGHTING FIXTURE SCHEDULE OR PRIOR-APPROVED EQUALS BY COOPER OR LITHONIA.
- ALL FIXTURES AND ELECTRICAL MATERIALS SHALL BE U.L. TESTED & LISTED OR BE TESTED & LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
- ALL CONDUIT PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE 2-HOUR FIRESTOPPED IN ACCORDANCE WITH DETAILS SHOWN ON DRAWING E6.00.
- RACEWAYS SHALL BE EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE FIXTURE WHIPS THAT COMPLY WITH THE NATIONAL ELECTRICAL CODE.
- JUNCTION BOXES SHALL BE STEEL TYPE WITH SCREW COVER, SIZED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. PROVIDE JUNCTION BOXES AS REQUIRED FOR POWER AND CONTROL WIRING RENOVATIONS.
- INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.
- PROVIDE SEISMIC WIRE SUPPORTS TO SUPPORT ALL NEW LIGHTING FIXTURES - ENSURE INSTALLATION COMPLIES WITH ASTM E-580 AND THE INTERNATIONAL BUILDING CODE (ONE WIRE FOR EACH EXIT SIGN AND TWO WIRES FOR ALL OTHER LIGHTING FIXTURES).
- THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. THE CONTRACTOR SHALL INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL FIXTURES AND SYSTEMS. FURNISH 3 SETS OF OPERATION AND MAINTENANCE MANUALS TO THE OWNER FOR THE INSTALLED LIGHTING SYSTEM.
- THE CONTRACTOR SHALL GUARANTEE THE WORK INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIATED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER. SEE SPECIAL LIGHTING WARRANTY REQUIREMENTS IN LIGHTING FIXTURE SCHEDULE.
- CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:
 - INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.
 - REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 - UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.

PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.

PATCH EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING FIXTURE - TYPE AS INDICATED ON PLAN. SEE THE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL SYMBOLS AND TYPES.		QUADPLEX RECEPTACLE OUTLET, TWO NEMA 5-20R RECEPTACLES IN A SINGLE STEEL BOX. FLUSH MOUNT DEVICES IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.
	SINGLE OR DOUBLE FACE EXIT SIGN, CEILING MOUNTED. PROVIDE DIRECTIONAL ARROWS/CHEVRONS AS INDICATED ON PLAN.		VOICE/DATA COMMUNICATIONS OUTLET. PROVIDE A 4" SQUARE STEEL BOX WITH SINGLE-GANG PLASTER RING FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE. PROVIDE A ONE INCH EMT RACEWAY WITH PULL-STRING FROM OUTLET TO SPACE ABOVE ACOUSTICAL DROP CEILING. PROVIDE A FIBER BUSHING ON BOTH ENDS OF RACEWAY.
	SINGLE OR DOUBLE FACE EXIT SIGN, WALL OR BACK MOUNTED AT 7 FEET ABOVE FINISHED FLOOR OR 6 INCHES ABOVE DOORWAY. PROVIDE DIRECTIONAL CHEVRONS (ARROWS) AS INDICATED ON PLAN.		EXISTING ELECTRICAL PANELBOARD - TO REMAIN IN PLACE. PROVIDE MODIFICATIONS AND ADDITIONS AS NOTED ON PLANS.
	DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED. PROVIDE WATTSTOPPER #DT300 WITH #BZ-50 UNIVERSAL VOLTAGE POWER PACK OR EQUAL. PROVIDE CONTROL AND LOW-VOLTAGE WIRING AS RECOMMENDED BY THE SENSOR MANUFACTURER.		EXISTING CONTROL PANEL - TYPE AS INDICATED ON PLAN. RELOCATE PANEL AS DESCRIBED ON PLAN.
	SINGLE-POLE WALL SWITCH OCCUPANCY SENSOR - WATTSTOPPER #PW-301 WITH WHITE PHENOLIC WALLPLATE. FLUSH MOUNT SWITCH IN WALL AT 42" ABOVE FINISHED FLOOR.		EXISTING WALL MOUNTED JUNCTION BOX - TO REMAIN IN PLACE.
	EXISTING 2'x4' RECESSED FLUORESCENT TROFFER - REMOVE TROFFER AND ALL ASSOCIATED RACEWAY AND WIRING.		EXISTING WALL MOUNTED JUNCTION BOX - REMOVE BOX AND ALL ASSOCIATED RACEWAY AND WIRING.
	EXISTING 2'x2' RECESSED FLUORESCENT TROFFER - REMOVE TROFFER AND ALL ASSOCIATED RACEWAY AND WIRING.		EXISTING DUPLEX RECEPTACLE - TO REMAIN IN PLACE. MAINTAIN INTEGRITY OF EXISTING CIRCUIT. EXTEND/RELOCATE OUTLET TO NEW WALL SURFACE WHERE WALLS ARE FURRED-OUT (PROVIDE STEEL EXTENSION BOX AS APPLICABLE). PROVIDE A NEW IVORY WALLPLATE FOR OUTLET TO MATCH NEW OUTLETS.
	EXISTING INCANDESCENT VANITY WALL SCONCE - REMOVE SCONCE AND ALL ASSOCIATED RACEWAY AND WIRING.		EXISTING DUPLEX RECEPTACLE OUTLET - REMOVE OUTLET AND ALL ASSOCIATED RACEWAY AND WIRING.
	EXISTING WALL OR CEILING MOUNTED OCCUPANCY SENSOR - REMOVE SENSOR AND ALL ASSOCIATED RACEWAY AND WIRING.		EXISTING FLOOR OUTLET WITH DUPLEX RECEPTACLE - TO REMAIN IN PLACE. MAINTAIN INTEGRITY OF EXISTING CIRCUIT. MAKE ADJUSTMENTS TO OUTLET AS REQUIRED TO INTERFACE WITH NEW FLOORING.
	EXISTING WALL MOUNTED OCCUPANCY SENSOR - REMOVE SENSOR AND ALL ASSOCIATED RACEWAY AND WIRING.		EXISTING VOICE, DATA, OR CATV COMMUNICATIONS OUTLET - TO REMAIN IN PLACE. EXTEND/RELOCATE OUTLET TO NEW WALL SURFACE WHERE WALLS ARE FURRED-OUT (PROVIDE STEEL EXTENSION BOX AS APPLICABLE).
	EXISTING LIGHTING WALL SWITCH - REMOVE SWITCH AND ALL ASSOCIATED RACEWAY AND WIRING.		EXISTING VOICE, DATA, OR CATV COMMUNICATIONS OUTLET - REMOVE OUTLET AND ALL ASSOCIATED RACEWAY AND WIRING.
	DUPLEX RECPTACLE, NEMA 5-20R. FLUSH MOUNT DEVICE IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.		EXISTING WALL MOUNTED A/V SYSTEM SPEAKER - REMOVE SPEAKER AND TURN OVER TO OWNER. REMOVE ALL ASSOCIATED RACEWAY AND WIRING.
	DUPLEX RECPTACLE, NEMA 5-20R. FLUSH MOUNT DEVICE IN WALL AT 42" AFF OR 6" ABOVE COUNTERTOP, AS APPLICABLE, UNLESS NOTED OTHERWISE ON PLAN. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL MILLWORK WHERE APPLICABLE.		
	DUPLEX, GROUND-FAULT-INTERRUPT TYPE RECEPTACLE, NEMA 5-20R. FLUSH MOUNT DEVICE AT 18" AFF UNLESS NOTED OTHERWISE.		
	DUPLEX, GROUND-FAULT-INTERRUPT RECPTACLE, NEMA 5-20R. FLUSH MOUNT DEVICE IN WALL AT 42" AFF OR 6" ABOVE COUNTERTOP, AS APPLICABLE, UNLESS NOTED OTHERWISE ON PLAN. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL MILLWORK WHERE APPLICABLE.		

ELECTRICAL DRAWING INDEX

E1.00	GENERAL NOTES, LEGEND, AND SCHEDULES
E2.00	ELECTRICAL DEMOLITION PLAN
E3.00	LIGHTING DEMOLITION PLAN
E4.00	ELECTRICAL RENOVATION PLAN
E5.00	LIGHTING RENOVATION PLAN
E6.00	FIRESTOP PENETRATION DETAILS

USC-2016-03



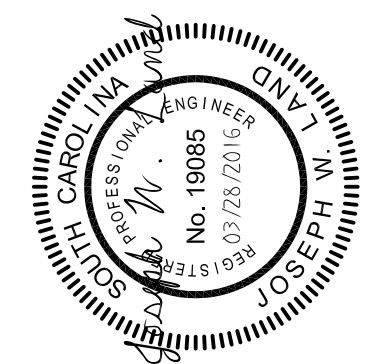
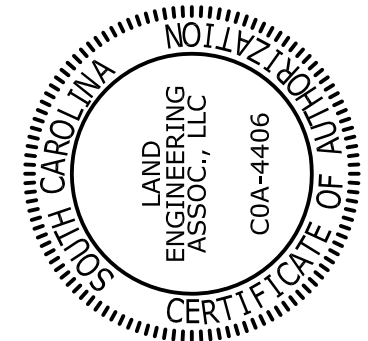
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GENERAL NOTES, LEGEND,
AND DETAILS

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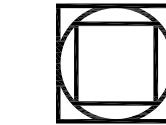
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