

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by execution of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. 1 DATED 4/20/2016 ADDENDUM NO. DATED
 ADDENDUM NO. DATED ADDENDUM NO. DATED

Number	Description
1	Revised Table of Contents; Add NTB No. 6293; Revised Special Provision 907-242-27 Section 00 91 13 with same; Added or Replaced Plan Sheet Nos. 2, 50, 54, 55, & 56.

TOTAL ADDENDA: 1
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

 Contractor

BY _____
 Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

 President Address

 Secretary Address

 Treasurer Address

The following is my (our) itemized proposal.

BWO-2208-49(001)/502399302, BWO-2209-49(001)/502399301 & LWO-2093-49(002)/502399303
 Montgomery County(ies)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TABLE OF CONTENTS

PROJECT: BWO-2208-49(001)/502399302 - Montgomery
BWO-2209-49(001)/502399301 - Montgomery
LWO-2093-49(002)/502399303 - Montgomery

Section 901 - Advertisement

Section 904 - Notice to Bidders

#1	Governing Specifications
#3	Final Cleanup
#1405	Errata & Modifications to 2004 Standard Specifications
#1928	Federal Bridge Formula
#3067	Storm Water Discharge Associated with Construction Activities (≥ 1 and < 5 Acres)
#3612	Additional Erosion Control Requirements
#3893	Petroleum Products Base Price
#4214	Safety Apparel
#4473	Alternate Crushed Stone Base Bid Items
#4526	Electronic Addendum Process
#4565	Manual on Uniform Traffic Control Devices (MUTCD)
#5044	Questions Regarding Bidding
#5053	Contractor Correspondence
#5405	Traffic Control Devices
#5412	Weight Limits
#5824	Adjustments for Bituminous Materials
#5865	Non-Quality Control / Quality Assurance Concrete
#5866	Payroll Requirements
#6212	Contract Time
#6293	Contract Modifications

Section 907 - Special Provisions

907-101-4	Definitions
907-102-11	Bidding Requirements and Conditions
907-103-11	Award and Execution
907-104-5	Scope of Work
907-104-6	Partnering Process
907-105-8	Control of Work
907-107-13	Legal Relations and Responsibility to Public, w/Supplement
907-107-14	Contractor's Protection Plan, w/ Supplement
907-108-37	Prosecution and Progress, w/ Supplement
907-109-8	Measurement and Payment
907-216-1	Solid Sodding
907-225-5	Grassing
907-226-3	Temporary Grassing
907-227-10	Hydroseeding
907-234-5	Siltation Barriers
907-237-4	Wattles

PROJECT: BWO-2208-49(001)/502399302 - Montgomery
BWO-2209-49(001)/502399301 - Montgomery
LWO-2093-49(002)/502399303 - Montgomery

907-242-27	Project Office and Storage Buildings
907-246-3	Sandbags & Rockbags
907-304-13	Granular Courses
907-401-7	Asphalt Pavements, w/ Supplement
907-403-14	Asphalt Pavements
907-407-2	Tack Coat
907-601-1	Structural Concrete
907-618-13	Temporary Construction Signs
907-626-24	Thermoplastic Markings
907-626-25	Thermoplastic Traffic Markings
907-699-5	Construction Stakes
907-701-5	Hydraulic Cement, w/ Supplement
907-702-5	Specifications for Bituminous Materials
907-703-12	Aggregates, w/ Supplement
907-708-6	Non-Metal Drainage Structures
907-713-6	Admixtures for Concrete
907-714-8	Miscellaneous Materials
907-715-4	Roadside Development Materials
907-720-2	Pavement Marking Materials
907-804-19	Concrete Bridges and Structures, w/ Supplement

Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
State Board of Contractors Requirement
State Certification Regarding Non-Collusion, Debarment and Suspensions
Section 902 - Contract Form
Section 903 - Contract Bond Forms

(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

04/21/2016 11:17 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6293

CODE: (SP)

DATE: 04/21/2016

SUBJECT: Contract Modifications

PROJECT: BWO-2209-49(001) / 502399301, BWO-2208-49(001) / 502399302, & LWO-2093-49(002) / 502399303 -- Montgomery County

Bidders are advised of the following changes regarding pay items:

- The Summary of Quantities sheets in the Plans do not reference pay item 907-407-A001, Asphalt for Tack Coat. This is in error. Payment for Asphalt for Tack Coat shall be made using pay item 907-407-A001, with a quantity of 165 gallons and is correct as shown in the proposal bid items.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**ADDENDUM No. 1
SECTION 00 91 13**

**PROJECT: PROJECT OFFICE, STORAGE BUILDING
AND SITE IMPROVEMENTS IN WINONA,
MONTGOMERY COUNTY, MISSISSIPPI**

**PROJECT NUMBERS: BWO-2209-49(001) 502399
BWO-2208-49(001) 502399
LWO-2093-49(002) 502399**

DATE: APRIL 15, 2016

PART 1 - GENERAL

1.01 DESCRIPTION: Bidders are hereby advised that the following changes are to be made to this Contract. Changes made by addenda shall take precedence over document of an earlier date. Acknowledge receipt of this addendum by inserting its number and date in the proposal form where indicated.

1.02 SPECIFICATIONS

A. This Addendum shall take the place of Specification Section 00 91 13 in Proposal.

1.03 DRAWINGS

A. The following revisions have been made to Sheet Number 2, Working Number DI.1:

1. The Revisions box has been edited to include Sheets P3.1, E1.0, E2.1, E3.1, E3.2, E4.1, E4.2, E4.3, E5.2, E5.3 and E5.4.

B. The following revisions have been made to Working Number P3.1, Sheet Number 39:

1. Water Heater Piping Detail 2 / P3.1 – Provide ball valve in hot water supply line to mixing valve in lieu of balancing valve shown on detail. Provide heat trap in hot water supply line at connection to mixing valve. Install heat trap in accordance with mixing valve manufacturer's recommendations.

2. Water Heater Piping Detail 2 / P3.1 – Clarification – Thermometer shown in tempered water supply at mixing valve shall be located in line near mixing valve so that thermometer is visible from the floor.

C. The following revisions have been made to Working Number E1.0, Sheet Number 46:

1. Key Note #2 – Revise key note to read as follows: "Provide conduit and conductors for flagpole and sign lighting. See Flag and Sign Pole Lighting Detail 3 / E4.3 for installation of light fixtures. Use spare 20A / 1P breaker in Panel "LA" (LA-57) wired through photocell contactor."

2. Key Note #3 – Revise key note to read as follows: “Connection to power pole by Power Co. All cost & fees for new electrical service furnished by Power Co. shall be included in contractor’s bid. Underground electrical service from power pole to building shall be concrete encased per detail 5/E4.2.”
 3. Key Note #4 – Revise key note to read as follows: “Terminate (2) 2” Sch. 80 PVC Tele./Comm. conduits with new pull box near corner of existing Maintenance Headquarters Building. Pull box shall be 13”x24”x18” deep NEMA 4X (Tier 22) pull box. Top of pull box shall be flush with finished grade. Coordinate exact location of pull box with MDOT project engineer prior to installing new pull box.
 4. Key Note #7 – Clarification - Key note applies to all new underground utilities on site.
 5. Key Note #8 – Revise key note to read as follows: “Provide 13”x24”x18” deep NEMA 4X (Tier 22) pull box for Tele./Comm. Conduits. Place in grass area, flush with finished grade.
- D. The following revisions have been made to Working Number E2.1, Sheet Number 47:
1. Exterior type “J” & “G” light fixtures shall be on separate circuit #LA-4.
 2. Exterior type “G1” light fixture shall be on separate circuit #LA-5.
 3. Key Note #1 symbol located adjacent to light fixture “A” in Corridor 114 shall be omitted.
 4. Provide Hall Occupancy Sensor mounted on wall near exterior door in Corridor 114.
 5. Omit key note #2.
 6. Add General Note #4 to read as follows: “All exterior Type “J” light fixtures shall be mounted as high as possible, coordinate exact mounting height with Architect prior to installing light fixture.”
- E. The following revisions have been made to Working Number E3.1, Sheet Number 48:
1. Office 102 – Add receptacle relay control in circuit #LA-7.
 2. Telephone Room 104 – Provide 4’ x 2’ x ¾” plywood telephone backboard on south wall of room.
 3. Conference 107 – Add audio/visual FA device on wall near door.
 4. Corridors 114 & 115 – Add audio / visual FA device on south wall at intersection of Corridors 114 & 115.
 5. Corridor 125 – Add ceiling mounted security motion detector near exterior door.
- F. The following revisions have been made to Working Number E3.2, Sheet Number 49:
1. Panel “SS” Schedule – Enclosure type shall be NEMA 1.

- G. The following revisions have been made to Working Number E4.1, Sheet Number 50:
1. Power Riser Diagram for Project Office – Revise riser diagram per attached revised Drawing E4.1.
 2. Mechanical Equipment Electrical Schedule – Revise room numbers in location column per revised Drawing E4.1.
- H. The following revisions have been made to Working Number E4.2, Sheet Number 51:
1. Outdoor Lighting Control Detail – Revise detail per revised Outdoor Lighting Control detail.
 2. Omit Meter Base Detail 4 / E4.2 and Cable Trenching Detail 6 / E4.2.
 3. Lighting Fixture Schedule, Fixtures “G” & “G1” – Change Cree Model to KR620L40K-KR6T-SSGCFF-ML.
- I. The following revisions have been made to Working Number E4.3, Sheet Number 52:
1. Detail of Circuiting and Symbols 5 / E4.3 – Verify 42” mounting height shown for Telephone/Data outlets to be installed above counter in field and adjust height as required to clear top of counter.
- J. The following revisions have been made to Working Numbers E5.2, Sheet Number 54; E5.3, Sheet 55; and E5.4, Sheet 56:
1. Electrical Low Voltage Riser Diagrams have been revised on these Drawings.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

ADDENDUM

STATE	PROJECT NO.
MISS.	BWO-2209-49(001)
	BWO-2208-49(001)
	LWO-2093-49(002)

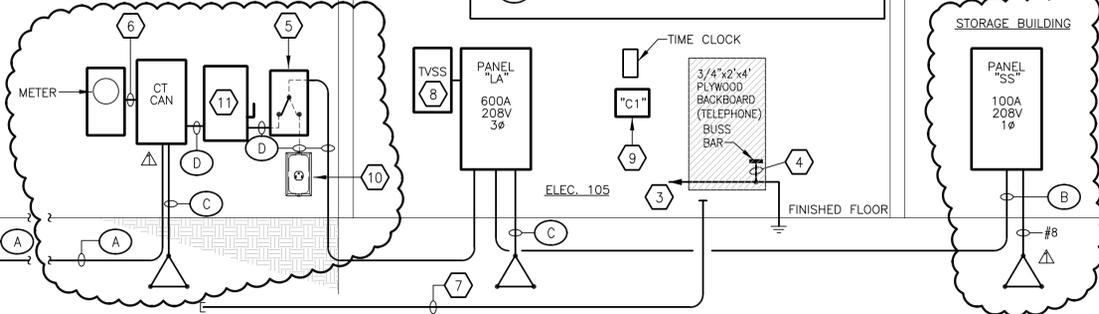
RISER KEY NOTES FOR PROJECT OFFICE:

- 1 NEW PROPOSED SERVICE POWER POLE AND NEW TRANSFORMER. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE EXACT LIMITS OF UTILITY CO. INVOLVEMENT. ANY AND ALL UTILITY CO. CHARGES INCURRED SHALL BE INCLUDED IN THE ELEC. CONTRACTORS BASE BID. SEE SITE PLAN FOR APPROXIMATE LOCATION AND DISTANCE. THIS CONTRACTOR TO FURNISH AND INSTALL METER BASE AND CT CABINET PER UTILITY CO. SPECIFICATIONS.
- 2 PROVIDE TWO SETS OF 2 1/2" SECONDARY PVC CONDUITS (ELS AND VERTICALS TO BE RGC) WITH CONDUCTORS AS PER FEEDER SCHEDULE, LEAVE 6" PIGTAILS. TURN UP WITH RGC EXTEND UP POLE TO TRANSFORMER.
- 3 PROVIDE #1/0 BARE COPPER GROUND CONDUCTOR TO GROUNDING BUS IN MAIN SERVICE PANEL "LA" FROM BACKBOARD. ROUTE ALONG BOTTOM.
- 4 PROVIDE #6 INSULATED GROUND WIRE FROM #1/0 BARE COPPER GROUND CONDUCTOR TO TELEPHONE BACKBOARD BUS BAR. BUS BARS TO BE 3/8"x4" COPPER.
- 5 PROVIDE A 600 AMP, 120-208V/3P/4W, NEMA 3R, DOUBLE THROW SAFETY SWITCH EQUAL TO SQUARE D #DTU326R TO BE USED FOR TRANSFER FROM NORMAL TO EMERGENCY POWER. NOTE: THIS SWITCH IS NOT TO BE OPERATED UNDER LOAD.
- 6 1" CONDUIT (BY ELEC. CONTRACTOR) FOR METERING CABLE (BY UTILITY).
- 7 (2) 2" PVC CONDUIT WITH PULL CORD FOR COMMUNICATION SERVICE ENTRANCES.
- 8 TRANSIENT VOLTAGE SURGE SUPPRESSION AS PER SPECS.
- 9 PROVIDE (6) POLE CONTACTOR IN A NEMA 1 ENCLOSURE FOR EXTERIOR LIGHTING. COIL VOLTAGE TO BE 120. CONTACTS SHALL BE 30 AMP, MECHANICALLY HELD, NORMALLY OPEN, SILVER-CADMIUM-OXIDE DOUBLE BREAK. CONTROLLED BY PHOTOCONTROLLER AND TIME CLOCK.
- 10 VERIFY EXACT LOCATION AND MOBILE GENERATOR CONNECTION WITH OWNER.
- 11 PROVIDE 600A/3P/NF/3R/SE DISCONNECT SWITCH

NOTE:
ALL EQUIPMENT AND WORK INDICATED ON RISER IS DIAGRAMMATICAL. SEE PLANS FOR ACTUAL LOCATIONS AND DISTANCES.

FEEDER LEGEND

- (A) 2-2 1/2" C, W/ 4-350 kCMIL (90°) EA.
- (B) 2" C, 3-#2 & 1-#8 GND.
- (C) #2/0 BARE CU GROUND : SEE DWG 2/E4.3
- (D) 2 SETS OF 3" C W/ 4#350KCMIL #1G



1 POWER RISER DIAGRAM FOR PROJECT OFFICE
E4.1 NOT TO SCALE

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

ITEM #	DESCRIPTION	WIRING	VOLTAGE/PH.	HP/FLA/KW	CIRCUIT	DISCONNECT/FUSES	LOCATION	NOTES
PROJECT OFFICE								
DWH-1	STORAGE WTR HEATER	2#10, #10G - 1/2" C	208/1	5 KW	LA-80,82	30A/2P/NF	JANITOR 112	1,5
HRU1-6	HEAT RECOVERY UNIT	2#12, #12G - 1/2" C	208/1	.88 MCA	LA-67,69	20A/2P TOGGLE SWITCH	MULTIPLE LOCATIONS	1,5
CRC-1	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	RECEPTION 100	1,5
CRC-2	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	SECRETARY 103	1,5
CRC-3	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	OFFICE 128	1,5
CRC-4	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	OFFICE 127	1,5
CRC-5	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	OFFICE 126	1,5
CRC-7	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	OFFICE 124	1,5
CRC-8	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	OFFICE 123	1,5
CRC-9	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	OFFICE 122	1,5
CRC-10	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-71,73	20A/2P TOGGLE SWITCH	PROJ ENG 121	1,5
CRC-11	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	PROJ ENG 119	1,5
CRC-12	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	SECRETARY 102	1,5
CRC-13	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	CONFERENCE 107	1,5
CRC-14	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	RES ENG 106	1,5
CRC-15	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	OFFICE 108	1,5
CRC-16	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	GREW RM 110	1,5
CRC-17	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	BREAK RM 109	1,5
CRC-18	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	BREAK RM 109	1,5
CRC-19	CEILING RECESSED CASSETTE	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-75,77	20A/2P TOGGLE SWITCH	TELE 104	1,5
HPU-1	CEILING CONCEALED UNIT	2#12, #12G - 1/2" C	208/1	2.3 MCA	LA-6,8	20A/2P TOGGLE SWITCH	CORRIDOR 105	1,5
HPU-2	CEILING CONCEALED UNIT	2#12, #12G - 1/2" C	208/1	2.3 MCA	LA-56,58	20A/2P TOGGLE SWITCH	CORRIDOR 125	1,5
WMU-1	WALL MOUNTED UNIT	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-10,12	20A/2P TOGGLE SWITCH	EQUIP 111	1,5
WMU-2	WALL MOUNTED UNIT	2#12, #12G - 1/2" C	208/1	1.3 MCA	LA-10,12	20A/2P TOGGLE SWITCH	MECH 118	1,5
ERV-1	ENERGY RECOVERY VENT	2#12, #12G - 1/2" C	208/1	9.8 MCA	LA-70,72	30A/2P/NF	MECH 118	1,5,7
CU-1	CONDENSING UNIT	3#3, #8G - 1 1/4" C	208/3	67 MCA	LA-74,76,78	100A/3P/NF/3R	OUTSIDE	1,2,5

NOTES:

1. INSTALL OVERCURRENT PROTECTION AND BRANCH CIRCUITS PER UL LISTED REQUIREMENTS FOR EQUIPMENT SERVED. REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGH LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS FOR ALL EQUIPMENT. PROVIDE DISCONNECT SWITCH (NON-FUSED, UNLESS NOTED OTHERWISE). COORDINATE EXACT NAMEPLATE DATA OF EQUIPMENT TO BE USED WITH MECHANICAL CONTRACTOR. PROVIDE HACR CIRCUIT BREAKER OR FUSIBLE SWITCH FOR ALL MECHANICAL EQUIPMENT.
2. PROVIDE WP DEVICES (NEMA 3R RATING) IN ALL EXTERIOR OR DAMP LOCATIONS.
3. COORDINATE AND CONNECT DUCT SMOKE DETECTORS AND ASSOCIATED WIRING WHERE REQUIRED BY CODE. DETECTORS SHALL BE PROVIDED BY DIVISION 26, INSTALLED BY DIVISION 23, AND WIRED BY DIVISION 26.
4. DISCONNECT PROVIDED WITH EQUIPMENT OR BY DIVISION 23.
5. MAGNETIC STARTER PROVIDED BY DIVISION 23.
6. PROVIDE MAGNETIC STARTER FOR CONTROL INTERFACE.
7. CONTRACTOR TO PROVIDE 2 CONNECTIONS FROM DISCONNECT SWITCH TO MECHANICAL UNIT.

PANEL LA		PHASE LOADS (VA)			POLE		TRIP AMPS		DESCRIPTION		CKT NO	
CKT NO	DESCRIPTION	TRIP AMPS	POLE	A	B	C	POLE	TRIP AMPS	DESCRIPTION	CKT NO		
1	LTG-BREAKROOM	20	1	1660	975		1	20	LTG-CORRIDOR	2		
3	LTG-BOH, CREW, CONF, OFFICES	20	1		1630	1620	1	20	LTG-EXTERIOR	4		
5	LTG-EXTERIOR	20	1			1030	240	2	15	6,8		
7	RECEPTACLE OFFICE 102	20	1	360	240			2	15	6,8		
9	RECEPTACLE CREW ROOM 109	20	1		360	270		2	20	10,12		
11	SECURITY CAMERA SYSTEM	20	1			0	270	2	20	10,12		
13	RECEPTACLE BREAK ROOM 109	20	1	360	1080			1	20	RECEPTACLES-OFFICE 127 & 128		
15	RECEPTACLES -OFFICE 128	20	1		720	1080		1	20	RECEPTACLES-OFFICES 126 & 127		
17	RECEPTACLES-OFFICE 127	20	1			720	720	1	20	RECEPTACLES-RM 102 & 130		
19	RECEPTACLES-OFFICE 126	20	1	900	720			1	20	RECEPTACLES-SECRETARY 130		
21	RECEPTACLES-ELEC 103	20	1		720	1000		1	20	SECURITY CONTROL PANEL		
23	RECEPTACLES-RM 102	20	1			900	1400	1	20	COPIER		
25	SPARE	20	1	0	360			1	20	RECEPTACLES-TELE 104		
27	RECEPTACLES-RES.ENG. 106	20	1		1080	360		1	20	TELEPHONE BACKBOARD		
29	RECEPTACLES-CONF RM 108	20	1			720	720	1	20	RECEPTACLES-RES. ENG. 106		
31	RECEPTACLES-OFFICE 121	20	1	900	0			1	20	SPARE		
33	MICROWAVE	20	1		1600	720		1	20	RECEPTACLES-CONF RM 107		
35	GFCI RECEPTACLES-BREAK RM 109	20	1			360	800	1	20	REFRIGERATOR		
37,39	RANGE	50	2	4100	540			1	20	RECEPTACLES-BREAK RM 109		
37,39	RANGE	50	2		4100	900		1	20	RECEPTACLES-CORR 114, 115, 105, 125		
41	RECEPTACLES-RESTROOM	20	1			360	360	1	20	RECEPTACLES-SURV EOP 113		
43	DRINKING FOUNTAIN	20	1	1000	1000			1	20	RCPT STRIP-SURV EOP 113		
45	RECEPTACLES-PROJ ENG 119	20	1		1080	1080		1	20	RECEPTACLES-PROJ ENG 121		
47	RECEPTACLES-MECH 118	20	1			900	540	1	20	RECEPTACLES-PROJ ENG 121		
49	RECEPTACLES-OFFICE 122	20	1	1080	720			1	20	RECEPTACLES-OFFICE 122		
51	RECEPTACLES-OFFICE 124	20	1		1080	720		1	20	RECEPTACLES-OFFICE 123		
53	ICE MAKER	20	1			1000	720	1	20	RECEPTACLES-OFFICE 124		
55	DOOR LOCK	20	1	180	2500			2	15	HPU-2		
57	RESERVED FOR SIGN/ POLE LTG	20	1		1000	2020		2	15	HPU-2		
59	FACP	20	1			1000	1000	1	20	PHOTOCELL		
61	RECEPTACLE OFFICE 108	20	1	0	720			1	20	RECEPTACLES-OFFICE 108		
63	RECEPTACLE OFFICE 126, 127, 128	20	1		720	720		1	20	RECEPTACLES-RES.ENGR. 106		
65	RECEPTACLE OFFICE 122, 123, 124	20	1			720	720	1	20	RECEPTACLES-CREW RM 110		
67	HEAT RECOVERY UNITS	20	2	360	1080			1	20	RECEPTACLES-CREW RM 110		
69	HEAT RECOVERY UNITS	20	2		360	1020		2	20	ERV-1		
71,73	CRC-1 THRU 10	20	2				1350	1020	2	20	ERV-1	
71,73	CRC-1 THRU 10	20	2	1350	8040			3	90	CU-1		
75,77	CRC-11 THRU 19	20	2			1215	8040	3	90	CU-1		
75,77	CRC-11 THRU 19	20	2				1215	8040	3	90	CU-1	
79,81	PANEL "SS"	100	2	2020	2500			2	30	DWH-1		
79,81	PANEL "SS"	100	2		1680	2500		2	30	DWH-1		
83	SPARE	20	1				0	1	20	SPARE		
				CONNECTED LOAD PHASE TOTALS (VA)								
				37085	42355	28325						
				CONNECTED LOAD (KVA)			DEMAND FACTOR		DEMAND LOAD (KVA)		DEMAND LOAD	
				Receptacles (0 - 10 KVA)			10.0		1.00		10.0	
				Receptacles (Over 10 KVA)			31.3		0.50		15.7	
				Cooling			---		---		---	
				Cooling and Heating			32.3		1.00		32.3	
				Electric Ranges - 3.5 kW to 8.75 kW			---		---		---	
				Equipment			2.7		1.00		2.7	
				Heating			21.4		1.00		21.4	
				Lighting			10.1		1.25		12.6	
				TOTAL:			107.8				94.6	
				LOAD (AMPS):			299.1				262.7	
				DEMAND LOAD			94.6 KVA		SPARE CAPACITY		78.3 KVA	
				SPARE CAPACITY			217.3 AMPS		SPARE CAPACITY		45 %	
				PHASE BALANCE			A TO B		88 %			
				B TO C			67 %		C TO A		76 %	



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
WINONA PROJECT OFFICE AND STORAGE BUILDING
RISER DIAGRAM AND ELECTRICAL SCHEDULES

PROJ. NUM.: BWO-2209-49(001)
 BWO-2208-49(001) & LWO-2093-49(002)
 COUNTY: MONTGOMERY

WORKING NUMBER: **E4.1**
 SHEET NUMBER: **50**

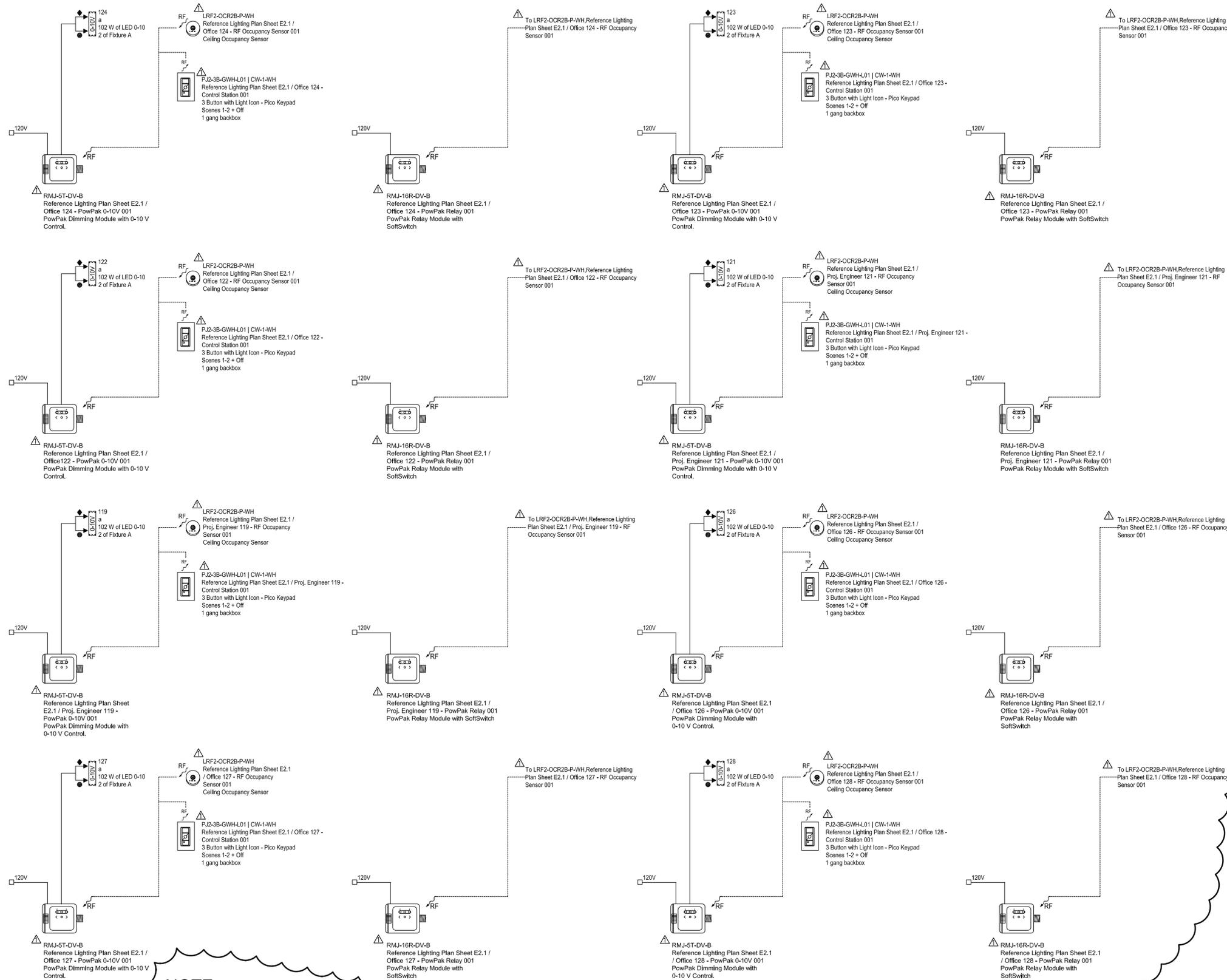
FILENAME: JAN0099-E4.1.DWG
 DESIGN TEAM: HESM&A CHECKED: TLE DATE: 02/24/16

ADDENDUM

STATE	PROJECT NO.
MISS.	BWO-2209-49(001)
	BWO-2208-49(001)
	LWO-2093-49(002)

Wire Legend

- △ QS Control Link (Connect wires 1, 2, 3 and 4)*
 - ▲ QS Control Link (Connect wires 1, 3 and 4. Do not connect wire 2)*
 - ▽ Panel Control Link (Connect wires 1, 2, 3, 4 and 5)*
 - ▼ Panel Control Link (Connect wires 1, 2, 3 and 4. Do not connect wire # 5)*
 - ◁ QS Sivoia Shade Control Link*
 - Normal Input Power 2 #12 AWG (4 sq mm) + ground
 - Normal-Emergency Input Power 2 #12 AWG (4 sq mm) + ground
 - ③ 3 Phase 4 wire Input Power, 4 #12 AWG (4 sq mm) + ground
 - 2 #12 AWG (4 sq mm) + ground
 - 3 #12 AWG (4 sq mm) + ground
 - ◆ 0-10V Signal: 2#18AWG (1.0 sq mm)
 - ◆ 2#18 AWG (1.0 sq mm)
 - ∞ 3#18 AWG (1.0 sq mm)
 - ◇ EcoSystem Bus/Loop*
 - ◆ DALI Loop
 - ✂ Lutron Sensor Cable C-CBL-522S or use 4#22 AWG (1.0 sq mm)
 - ✂ Lutron Sensor Cable C-CBL-522S or use 3#22 AWG (1.0 sq mm)
 - DMX Cable*
 - Ethernet cable. CAT5E or better cable for Lutron Network terminated with RJ45 connectors (to be provided by others). 328 ft (100m) maximum run.
 - Fiber optic cable for Lutron Network terminated with appropriate fiber optic connectors (to be provided by others). Requires dedicated fiber optic link (single-mode or multi-mode)
 - RF Connection
 - Wired Connection
- *Please refer to Notes on Wiring for more wiring guidelines.
 **Refer to Load Schedule for feed and load information



NOTE:
 INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LUTRON LIGHTING CONTROLS SYSTEM. IF LIGHTING CONTROLS OTHER THAN LUTRON ARE FURNISHED ON THIS PROJECT CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING WIRING DIAGRAMS THAT SHOW ALL REQUIRED COMPONENTS NEEDED FOR A COMPLETE LIGHTING CONTROL SYSTEM TO ENGINEER FOR APPROVAL.

PLAN ARCHITECTURAL SERVICES UNIT MISSISSIPPI DEPARTMENT OF TRANSPORTATION



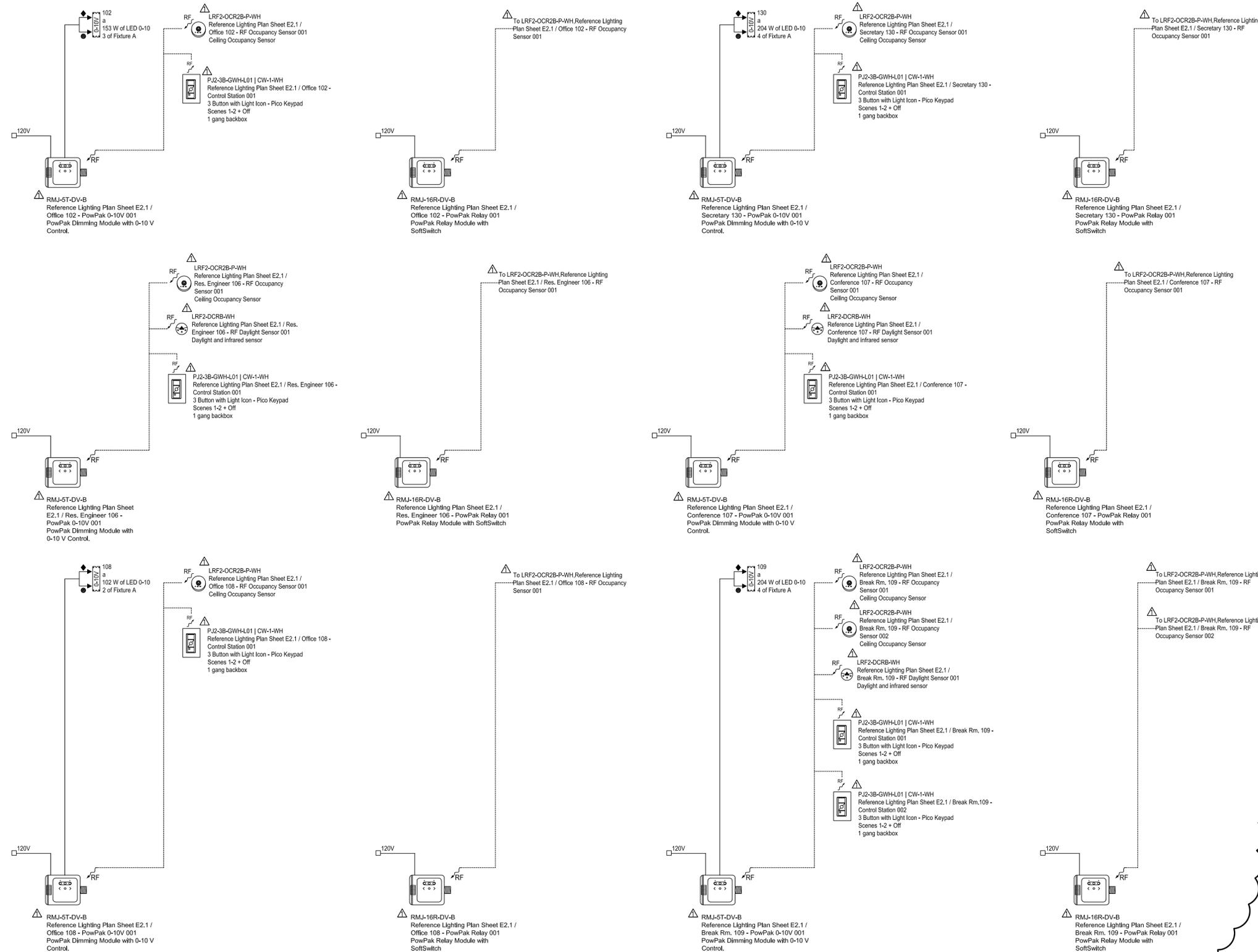
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
WINONA PROJECT OFFICE AND STORAGE BUILDING	
ELECTRICAL LOW VOLTAGE RISER DIAGRAMS	
PROJ. NUM: BWO-2209-49(001) BWO-2208-49(001) & LWO-2093-49(002) COUNTY: MONTGOMERY	WORKING NUMBER E52
FILENAME: JAN0099-E5.2 DESIGN TEAM: HESM&A CHECKED: TLE DATE: 02/24/16	SHEET NUMBER 54

ADDENDUM

STATE	PROJECT NO.
MISS.	BWO-2209-49(001)
	BWO-2208-49(001)
	LWO-2093-49(002)

Wire Legend

- △ QS Control Link (Connect wires 1, 2, 3 and 4)*
 - ▲ QS Control Link (Connect wires 1, 3 and 4. Do not connect wire 2)*
 - ▽ Panel Control Link (Connect wires 1, 2, 3, 4 and 5)*
 - ▼ Panel Control Link (Connect wires 1, 2, 3 and 4. Do not connect wire # 5)*
 - ◁ QS Sivoia Shade Control Link*
 - Normal Input Power 2 #12 AWG (4 sq mm) + ground
 - Normal-Emergency Input Power 2 #12 AWG (4 sq mm) + ground
 - ③ 3 Phase 4 wire Input Power, 4 #12 AWG (4 sq mm) + ground
 - 2 #12 AWG (4 sq mm) + ground
 - 3 #12 AWG (4 sq mm) + ground
 - ◆ 0-10V Signal: 2#18AWG (1.0 sq mm)
2#18 AWG (1.0 sq mm)
 - ∞ 3#18 AWG (1.0 sq mm)
 - ◇ EcoSystem Bus/Loop*
 - ◀ DALI Loop
 - ▲ Lutron Sensor Cable C-CBL-522S or use 4#22 AWG (1.0 sq mm)
 - ⊗ Lutron Sensor Cable C-CBL-522S or use 3#22 AWG (1.0 sq mm)
 - Ⓛ DMX Cable*
 - Ⓛ Ethernet cable. CAT5E or better cable for Lutron Network terminated with RJ45 connectors (to be provided by others). 328 ft (100m) maximum run.
 - Ⓛ Fiber optic cable for Lutron Network terminated with appropriate fiber optic connectors (to be provided by others). Requires dedicated fiber optic link (single-mode or multi-mode)
 - RF Connection
 - Wired Connection
- *Please refer to Notes on Wiring for more wiring guidelines.
**Refer to Load Schedule for feed and load information



NOTE:
INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LUTRON LIGHTING CONTROLS SYSTEM. IF LIGHTING CONTROLS OTHER THAN LUTRON ARE FURNISHED ON THIS PROJECT CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING WIRING DIAGRAMS THAT SHOW ALL REQUIRED COMPONENTS NEEDED FOR A COMPLETE LIGHTING CONTROL SYSTEM TO ENGINEER FOR APPROVAL.

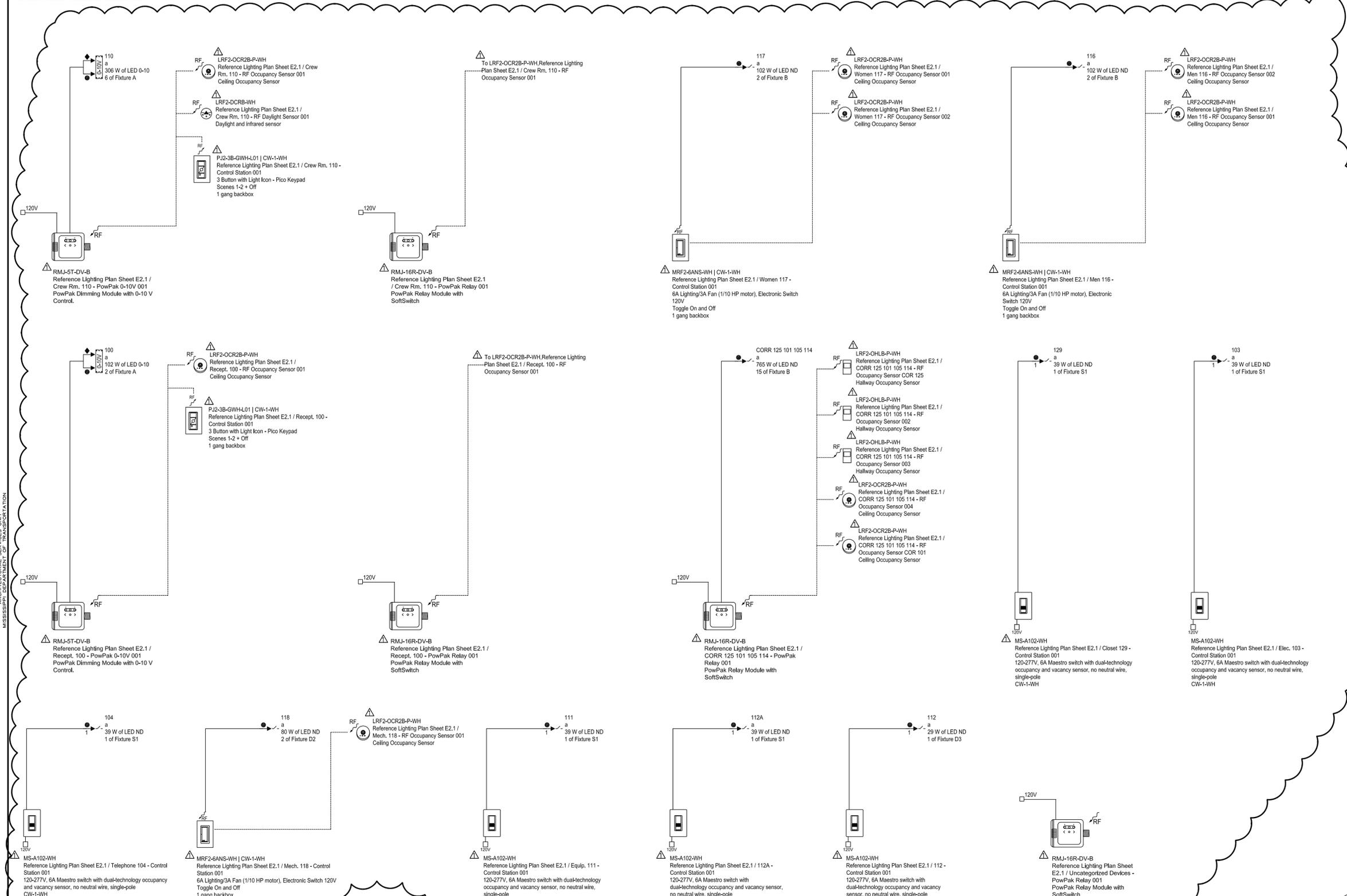


MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
WINONA PROJECT OFFICE AND STORAGE BUILDING	
ELECTRICAL LOW VOLTAGE RISER DIAGRAMS	
PROJ. NUM.: BWO-2209-49(001) BWO-2208-49(001) & LWO-2093-49(002) COUNTY: MONTGOMERY	WORKING NUMBER E53
FILENAME: JAN0099-E5.3	SHEET NUMBER 55
DESIGN TEAM: HESM&A	CHECKED: TLE
DATE: 02/24/16	

PLAN ARCHITECTURAL SERVICES UNIT MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ADDENDUM

STATE	PROJECT NO.
MISS.	BWO-2209-49(001)
	BWO-2208-49(001)
	LWO-2093-49(002)



Wire Legend

- △ QS Control Link (Connect wires 1, 2, 3 and 4)*
- ▲ QS Control Link (Connect wires 1, 3 and 4. Do not connect wire 2)*
- ▽ Panel Control Link (Connect wires 1, 2, 3, 4 and 5)*
- ▼ Panel Control Link (Connect wires 1, 2, 3 and 4. Do not connect wire # 5)*
- ◁ QS Sivoia Shade Control Link*
- Normal Input Power 2 #12 AWG (4 sq mm) + ground
- Normal-Emergency Input Power 2 #12 AWG (4 sq mm) + ground
- ③ 3 Phase 4 wire Input Power, 4 #12 AWG (4 sq mm) + ground
- 2 #12 AWG (4 sq mm) + ground
- 3 #12 AWG (4 sq mm) + ground
- ◆ 0-10V Signal: 2#18AWG (1.0 sq mm) 2#18 AWG (1.0 sq mm)
- ∞ 3#18 AWG (1.0 sq mm)
- ◇ EcoSystem Bus/Loop*
- ◆ DALI Loop
- ⌘ Lutron Sensor Cable C-CBL-522S or use 4#22 AWG (1.0 sq mm)
- ⊗ Lutron Sensor Cable C-CBL-522S or use 3#22 AWG (1.0 sq mm)
- ◻ DMX Cable*
- ◻ Ethernet cable. CAT5E or better cable for Lutron Network terminated with RJ45 connectors (to be provided by others). 328 ft (100m) maximum run.
- ◻ Fiber optic cable for Lutron Network terminated with appropriate fiber optic connectors (to be provided by others). Requires dedicated fiber optic link (single-mode or multi-mode)

----- RF Connection
 _____ Wired Connection

*Please refer to Notes on Wiring for more wiring guidelines.
 **Refer to Load Schedule for feed and load information

NOTE:
 INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LUTRON LIGHTING CONTROLS SYSTEM. IF LIGHTING CONTROLS OTHER THAN LUTRON ARE FURNISHED ON THIS PROJECT CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING WIRING DIAGRAMS THAT SHOW ALL REQUIRED COMPONENTS NEEDED FOR A COMPLETE LIGHTING CONTROL SYSTEM TO ENGINEER FOR APPROVAL.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
WINONA PROJECT OFFICE AND STORAGE BUILDING	
ELECTRICAL LOW VOLTAGE RISER DIAGRAMS	
PROJ. NUM: BWO-2209-49(001) BWO-2208-49(001) & LWO-2093-49(002)	WORKING NUMBER E54
COUNTY: MONTGOMERY	SHEET NUMBER 56
FILENAME: JAN0099-E5.4	
DESIGN TEAM: HESM&A	CHECKED: TLE
DATE: 02/24/16	