

ADDENDUM NUMBER: 02

**CLAY COUNTY OFFICE ASSEMBLY AND MAINTENANCE SHOP
NC DOT – DIVISION 14
HAYESVILLE, NC**

**SCO NUMBER 14-11007-01-A
PROJECT NUMBER 13283.01**

April 13, 2016

NOTICE TO CONTRACTORS

This Addendum issued prior to receipt of Bid shall and does hereby become a part of the Construction Documents for the above project.

All principal Contractors shall be responsible for seeing that their Subcontractors are properly apprised of the contents of this Addendum.

All information contained in this Addendum shall supersede and shall take precedence over any conflicting information in the original Bidding Documents dated February 10, 2016 and all previously issued addenda.

All Contractors shall acknowledge receipt of this Addendum in the space provided in the Proposal Form. Failure to do so may subject Bidder to disqualification.

A. CHANGES TO PRIOR ADDENDA

Not Applicable.

B. CHANGES TO BIDDING REQUIREMENTS

No Change.

C. CHANGES TO CONDITIONS OF THE CONTRACT

No Change.

D. CHANGES TO SPECIFICATIONS

SPECIFICATION SECTION 07 27 26 – FLUID-APPLIED MEMBRANE AIR BARRIERS

1. 2.1 Fluid-Applied Membrane Air Barrier
 - a. Add the following to A.1.a:
 - “4) Soprema – Soprema Sopraseal LM203 spray applied membrane barrier is an approved manufacturer.”

SPECIFICATION SECTION 08 90 00 – LOUVERS AND VENTS

1. 2.3 Fixed, Extruded-Aluminum Louvers
 - a. Add the following to A.1.:
 - “f. Reliable project model 6375b is an approved manufacturer.”

SPECIFICATION SECTION 26 05 19 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

1. Delete section in its entirety and replace with the enclosed (4 pages).

E. CHANGES TO DRAWINGS

SHEET E201 – ELECTRICAL POWER AND SYSTEMS PLAN

1. Sheet reissued in its entirety, Revision 1, dated April 12, 2016.

SHEET E900 – ELECTRICAL SCHEDULES

1. Sheet reissued in its entirety, Revision 1, dated April 12, 2016.

F. CLARIFICATIONS

Not applicable.

ENCLOSURES:

SPECIFICATION SECTIONS

26 05 19 – Low-Voltage Electrical Power Conductors and Cables

SHEETS / BULLETIN DRAWINGS

E201 E900

SECTION 26 05 19

LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

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. This Section includes the following:
1. Building wires and cables rated 600 V and less.
 2. Connectors, splices, and terminations rated 600 V and less.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.

1.4 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Comply with NFPA 70.

PART 2 - PRODUCTS

2.1 CONDUCTORS AND CABLES

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Encor Wire Corporation
 2. General Cable
 3. Southwire
 4. Cerro Wire
- B. Copper Conductors: Comply with NEMA WC 70.
- C. Conductor Insulation: Comply with NEMA WC 70 for Types THHN/THWN-2.

2.2 CONNECTORS AND SPLICES

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. AFC Cable Systems, Inc.
 2. Hubbell Power Systems, Inc.
 3. O-Z/Gedney; EGS Electrical Group LLC.
 4. 3M; Electrical Products Division.
 5. Tyco Electronics Corp.
- B. Description: Factory-fabricated connectors and splices of size, ampacity rating, material, type, and class for application and service indicated.

PART 3 - EXECUTION

3.1 CONDUCTOR MATERIAL APPLICATIONS

- A. Panel and service entrance Feeders: Copper. Stranded
- B. Branch circuits: Copper.
 - 1. #10 AWG and smaller: Solid
 - 2. #8 AWG and larger: Stranded.

3.2 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS

- A. Service Entrance: Type THHN/THWN-2, single conductors in raceway.
- B. Exposed Feeders: Type THHN/THWN-2, single conductors in raceway.
- C. Feeders Concealed in Ceilings, Walls, Partitions, and Crawlspace: Type THHN/THWN-2, single conductors in raceway.
- D. Feeders Concealed in Concrete, below Slabs-on-Grade, and Underground: Type THHN/THWN-2, single conductors in raceway.
- E. Exposed Branch Circuits, Including in Crawlspace: Type THHN/THWN-2, single conductors in raceway.
- F. Branch Circuits Concealed in Ceilings, Walls, and Partitions: Type THHN/THWN-2, single conductors in raceway.
- G. Branch Circuits Concealed in Concrete, below Slabs-on-Grade, and Underground: Type THHN/THWN-2, single conductors in raceway.
- H. Cord Drops and Portable Appliance Connections: Type SO, hard service cord with stainless-steel, wire-mesh, strain relief device at terminations to suit application.
- I. Class 1 Control Circuits: Type THHN/THWN-2, in raceway.
- J. Class 2 Control Circuits: Type THHN/THWN-2, in raceway and Power-limited cable, concealed in building finishes.

3.3 INSTALLATION OF CONDUCTORS AND CABLES

- A. Conceal cables in finished walls, ceilings, and floors, unless otherwise indicated.
- B. Use manufacturer-approved pulling compound or lubricant where necessary; compound used must not deteriorate conductor or insulation. Do not exceed manufacturer's recommended maximum pulling tensions and sidewall pressure values.
- C. Use pulling means, including fish tape, cable, rope, and basket-weave wire/cable grips, that will not damage cables or raceway.
- D. Install exposed cables parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.
- E. Support cables according to Section 260529 "Hangers and Supports for Electrical Systems."
- F. Identify and color-code conductors and cables according to Section 260553 "Identification for Electrical Systems."

3.4 CONNECTIONS

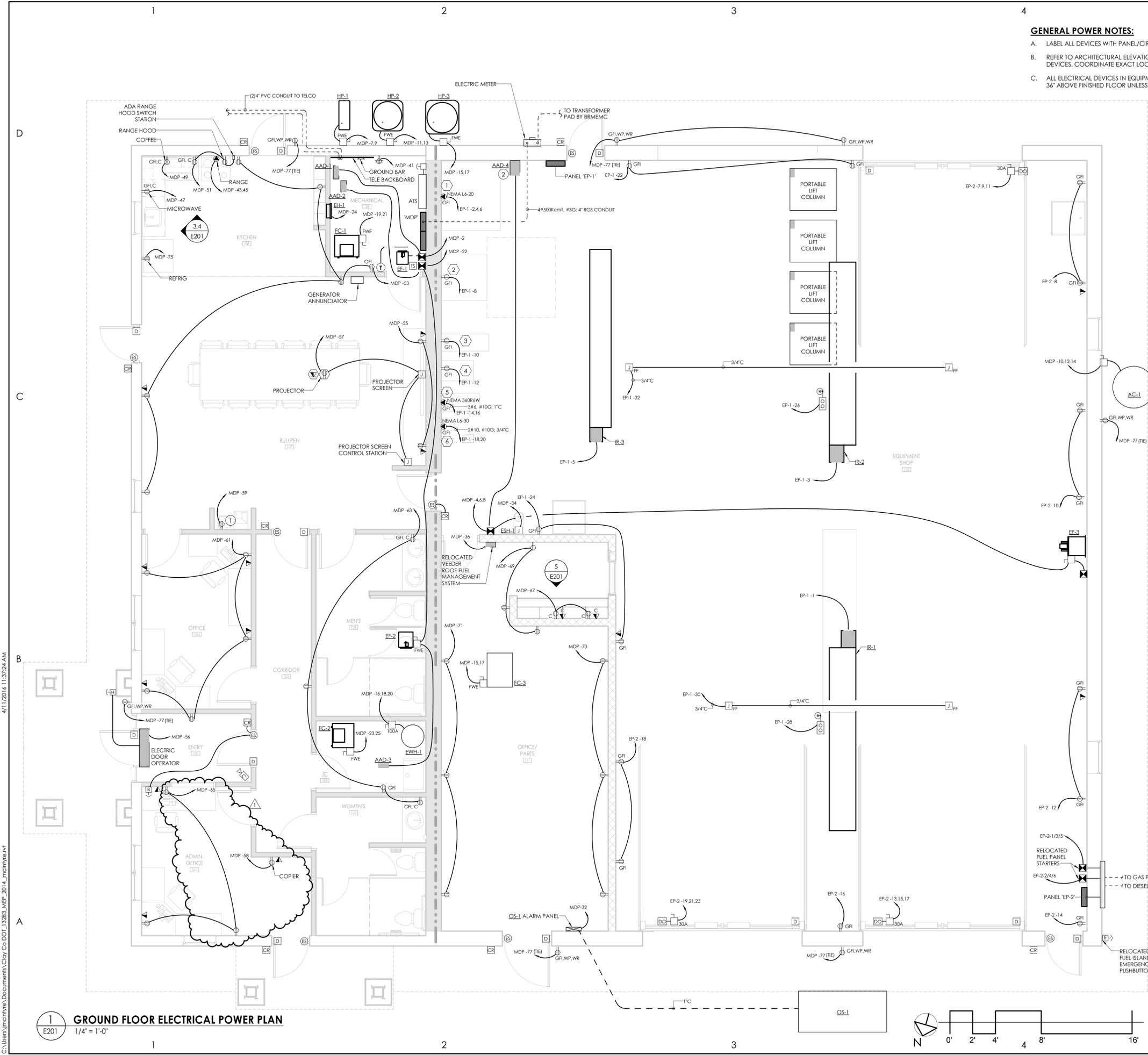
- A. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 486B.
- B. Make splices and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings than unspliced conductors.
- C. Wiring at Outlets: Install conductor at each outlet, with at least 6 inches of slack.

3.5 FIELD QUALITY CONTROL

- A. Perform tests and inspections.
- B. Tests and Inspections:
 - 1. Perform each visual and mechanical inspection and electrical test stated in NETA Acceptance Testing Specification. Certify compliance with test parameters.
- C. Remove and replace malfunctioning units and retest as specified above.

END OF SECTION 26 05 19

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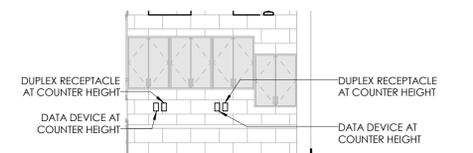


GENERAL POWER NOTES:

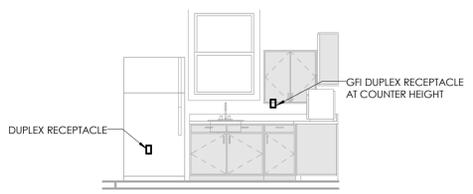
- A. LABEL ALL DEVICES WITH PANEL/CIRCUIT NUMBER.
- B. REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL DEVICES. COORDINATE EXACT LOCATIONS PRIOR TO ROUGH-IN.
- C. ALL ELECTRICAL DEVICES IN EQUIPMENT SHOP SHALL BE MOUNTED 36" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.

KEY NOTES:

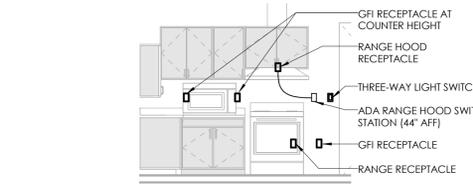
- 1 PROVIDE GFI BREAKER AS INDICATED ON PANEL.
- 2 INTERLOCK WITH EF-3.



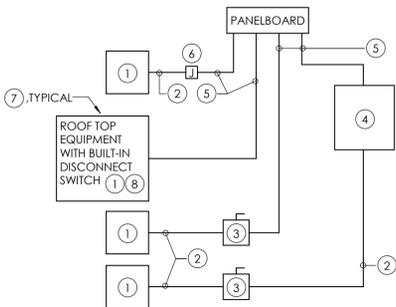
5 OFFICE PARTS 132
1/4" = 1'-0"



4 KITCHEN 133 - EAST
1/4" = 1'-0"



3 KITCHEN 133 - SOUTH
1/4" = 1'-0"



IN A SINGLE PRIME CONTRACT, IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO COORDINATE BETWEEN THE ELECTRICAL AND THE OTHER TRADES.

ELECTRICAL EQUIPMENT CONNECTION DETAIL KEY NOTES:

- 1 EQUIPMENT OF TRADES OTHER THAN ELECTRICAL.
- 2 CONDUIT AND WIRING BY HVAC, PLUMBING CONTRACTOR, OR OTHER TRADES.
- 3 IF AN ADDITIONAL DISCONNECT IS REQUIRED BY THE NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
- 4 A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. LOCATE ADJACENT TO EQUIPMENT.
- 5 BRANCH CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE PANELBOARD AND MECHANICAL EQUIPMENT CONNECTION SCHEDULES FOR BREAKER AND WIRE SIZES.
- 6 JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR OR OTHER TRADES.
- 7 IN ALL CASES THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
- 8 IF THE ROOF TOP FAN IS NOT PROVIDED WITH BUILT-IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.

2 ELECTRICAL EQUIPMENT CONNECTION DETAIL
E201 NOT TO SCALE

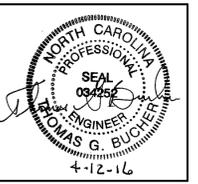
1 GROUND FLOOR ELECTRICAL POWER PLAN
E201 1/4" = 1'-0"



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Revised Schedule	DESCRIPTION
CHANGED	ADDENDUM 02 PRE
JAN	BID ADDENDUM
DATE	04/12/2016
NO.	1



NCDOT - DIVISION 14
OFFICE ASSEMBLY AND
MAINTENANCE SHOP
SCO # 14-11007-01 Package A
CLAY COUNTY
BID SET

DATE	DRAWN	CHECKED
02/10/16	JMM	TGB
SCALE: As indicated		
SHEET TITLE: ELECTRICAL POWER AND SYSTEMS PLAN		

PROJECT NUMBER 13283.01
E201 DRAWING NUMBER

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PANEL MDP		VOLTAGE: 208/120 3 PH 4W	FEEDER AMP: 400		MAINS: 400		MLO		AIC RATING: -	MOUNTING: SURFACE		REMARKS:
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR		
150/3		PANEL EP-1	12205	1	A	2	50	EF-1 AND AAD-1	LO	15/1		
			9333	3	B	4	420	EF-3	LO	15/3		
			7673	5	C	6	420					
25/2		HP-1	1716	7	A	8	420					
			1716	9	B	10	8500	AC-1		100/3		
20/2		HP-2	1227	11	C	12	8500					
			1227	13	A	14	8500					
15/2		HP-3 AND FC-3	1352	15	B	16	6004	EW-1		70/3		
			1352	17	C	18	6004					
45/2		FC-1	4649	19	A	20	6004					
			4649	21	B	22	500	EF-2, AAD-2, AND AAD-3	LO	15/1		
45/2		FC-2	4649	23	C	24	1500	EH-1		20/1		
			4649	25	A	26	100	GENERATOR BATTERY CHARGER		20/1		
20/1		HOT BOX ALARM	25	27	B	28	180	GENERATOR RECEPTACLE		20/1		
20/1		HOT BOX HEATER	500	29	C	30	1000	GENERATOR BLOCK HEATER		20/1		
100/3		LIQUID ASPHALT TANK	5000	31	A	32	200	OS-1 ALARM PANEL		20/1		
			5000	33	B	34	100	ESH-1		15/1		
			5000	35	C	36	100	VEEDER ROOT FUEL MGT SYS		20/1		
20/1		SPARE	0	37	A	38	0	SPARE		20/1		
20/1		SPARE	0	39	B	40	0	SPARE		20/1		
20/1		RECEPT - 109	360	41	C	42	0	SPARE		20/1		
50/2		RANGE	4000	43	A	44	539	LIGHTING - 100-106		20/1		
			4000	45	B	46	636	LIGHTING - 107-109		20/1		
20/1		MICROWAVE	1500	47	C	48	331	LIGHTING - 111		20/1		
20/1		COFFEE	1000	49	A	50	960	LIGHTING - 110		20/1		
20/1		RECEPT - 108 AND RANGE HOOD	360	51	B	52	960	LIGHTING - 110		20/1		
20/1		RECEPT - 107,108,109	1080	53	C	54	530	EXTERIOR LIGHTING		20/1		
20/1		RECEPT COUNTERTOP - 107	360	55	A	56	200	HANDICAP DOOR OPERATOR		20/1		
20/1		PROJECTOR	100	57	B	58	500	COOPER - 101		20/1		
20/1	G	EWV	180	59	C	60	0	SPARE		20/1		
20/1		RECEPT - 100,104	380	61	A	62	0	SPARE		20/1		
20/1		RECEPT - 102,103,105,106	380	63	B	64	0	SPARE		20/1		
20/1		RECEPT - 101	380	65	C	66	0	SPARE		20/1		
20/1		RECEPT COUNTERTOP - 111	360	67	A	68	0	SPARE		20/1		
20/1		RECEPT - 111	540	69	B	70	0	SPARE		20/1		
20/1		RECEPT - 111	540	71	C	72	0	SPARE		20/1		
20/1		RECEPT - 111	540	73	A	74	0	SPARE		20/1		
20/1		REFRIG	10	75	B	76	0	PREPARED SPACE				
20/1		EXTERIOR RECEPTACLES	180	77	C	78	0	PREPARED SPACE				
100/3		PANEL EP-2	3180	79	A	80	0	PREPARED SPACE				
			3180	81	B	82	0	PREPARED SPACE				
			3360	83	C	84	0	PREPARED SPACE				
Connected Load Per Phase			PH A:	56239	PH B:	48445	PH C:	46366				
Connected VA	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps			
Demand Factor	3956	32147	55042	8860	10510	40535	151050	110655	307.2			
Demand VA	1.25	0.80	0.80	NEC	1.00	0.65	0.50	20268				

PANEL SCHEDULE NOTES:

- G PROVIDE GFI BREAKER
- LO PROVIDE HANDLE LOCK FOR BREAKER

PANEL EP-1		VOLTAGE: 208/120 3 PH 4W	FEEDER AMP: 150		MAINS: 225		MLO		AIC RATING: -	MOUNTING: SURFACE		REMARKS:
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR		
20/1		IR-1	312	1	A	2	793	WHEEL BALANCER - #1		20/3		
20/1		IR-2	312	3	B	4	793					
20/1		IR-3	312	5	C	6	793					
20/1		SPARE	0	7	A	8	1800	TIRE CHANGER - #2		20/1		
20/1		SPARE	0	9	B	10	1656	BAND SAW - #3		25/1		
20/1		SPARE	0	11	C	12	2400	DRILL PRESS - #4		35/1		
20/1		SPARE	0	13	A	14	4992	MIG WELDER - #5		60/2		
20/1		SPARE	0	15	B	16	4992					
20/1		SPARE	0	17	C	18	2808	PLASMA CUTTER - #6		30/2		
20/1		SPARE	0	19	A	20	2808					
20/1		SPARE	0	21	B	22	1080	RECEPTACLES 110		20/1		
20/1		SPARE	0	23	C	24	360	RECEPTACLES 110		20/1		
20/1		SPARE	0	25	A	26	500	CORD REEL		20/1		
20/1		SPARE	0	27	B	28	500	CORD REEL		20/1		
20/1		SPARE	0	29	C	30	1000	FUTURE FANS		20/1		
20/1		SPARE	0	31	A	32	1000	FUTURE FANS		20/1		
20/1		SPARE	0	33	B	34	0	PREPARED SPACE				
20/1		SPARE	0	35	C	36	0	PREPARED SPACE				
20/1		PREPARED SPACE	0	37	A	38	0	PREPARED SPACE				
20/1		PREPARED SPACE	0	39	B	40	0	PREPARED SPACE				
20/1		PREPARED SPACE	0	41	C	42	0	PREPARED SPACE				
Connected Load Per Phase			PH A:	12205	PH B:	9333	PH C:	7673				
Connected VA	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps			
Demand Factor	0	2936	0	2440	0	23835	29211	81.1				
Demand VA	1.25	0.80	1.00	NEC	1.00	1.00	23835	28624	79.5			

PANEL EP-2		VOLTAGE: 208/120 3 PH 4W	FEEDER AMP: 100		MAINS: 100		MLO		AIC RATING: -	MOUNTING: SURFACE		REMARKS:
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR		
20/3	LO	GAS PUMP	960	1	A	2	960	DIESEL PUMP	LO	20/3		
			960	3	B	4	960					
			960	5	C	6	960					
15/3		OVERHEAD DOOR	240	7	A	8	360	RECEPTACLE CIRCUIT 110		20/1		
			240	9	B	10	360	RECEPTACLE CIRCUIT 110		20/1		
			240	11	C	12	360	RECEPTACLE CIRCUIT 110		20/1		
15/3		OVERHEAD DOOR	240	13	A	14	180	RECEPTACLE CIRCUIT 110		20/1		
			240	15	B	16	180	RECEPTACLE CIRCUIT 110		20/1		
			240	17	C	18	360	RECEPTACLE CIRCUIT 110		20/1		
15/3		OVERHEAD DOOR	240	19	A	20	0	PREPARED SPACE				
			240	21	B	22	0	PREPARED SPACE				
			240	23	C	24	0	PREPARED SPACE				
20/1		SPARE	0	25	A	26	0	PREPARED SPACE				
20/1		SPARE	0	27	B	28	0	PREPARED SPACE				
20/1		SPARE	0	29	C	30	0	PREPARED SPACE				
20/1		SPARE	0	31	A	32	0	PREPARED SPACE				
20/1		SPARE	0	33	B	34	0	PREPARED SPACE				
20/1		SPARE	0	35	C	36	0	PREPARED SPACE				
		PREPARED SPACE	0	37	A	38	0	PREPARED SPACE				
		PREPARED SPACE	0	39	B	40	0	PREPARED SPACE				
		PREPARED SPACE	0	41	C	42	0	PREPARED SPACE				
Connected Load Per Phase			PH A:	3180	PH B:	3180	PH C:	3360				
Connected VA	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps			
Demand Factor	0	0	9720	0	0	0	0	9720	27.0			
Demand VA	1.25	0.80	1.00	NEC	1.00	1.00	1.00	9720	27.0			

LUMINAIRE SCHEDULE											
MARK	DESCRIPTION	DESIGN MAKE	MODEL #	ALTERNATE MANUFACTURERS	VOLTS	LAMP			MOUNTING	REMARKS	
						QTY	WATTS	TYPE			
A3	2'x4' RECESSED LENSED TROFFER, 0.125" PATTERN A12 ACRYLIC LENS, WHITE STEEL HOUSING, GRID MOUNT	LITHONIA	TL SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	32	3500K LED / 3000 LUMEN	RECESSED		
A3E	SAME AS TYPE 'A3' EXCEPT WITH INTEGRAL 2-LAMP 1400 LUMEN MINIMUM EMERGENCY BATTERY PACK	LITHONIA	TL SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	32	3500K LED / 3000 LUMEN	RECESSED		
A48	2'x4' RECESSED LENSED TROFFER, 0.125" PATTERN A12 ACRYLIC LENS, WHITE STEEL HOUSING, GRID MOUNT	LITHONIA	TL SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	47	3500K LED / 4800 LUMEN	RECESSED		
A72	2'x4' RECESSED LENSED TROFFER, 0.125" PATTERN A12 ACRYLIC LENS, WHITE STEEL HOUSING, GRID MOUNT	LITHONIA	TL SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	71	3500K LED / 7200 LUMEN	RECESSED		
A72E	SAME AS TYPE 'A72' EXCEPT WITH INTEGRAL 2-LAMP 1400 LUMEN MINIMUM EMERGENCY BATTERY PACK	LITHONIA	TL SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	71	3500K LED / 7200 LUMEN	RECESSED		
B48	4'x10" PENDANT MOUNT LED WRAPAROUND FIXTURE	LITHONIA	LBL4 SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	48	3500K LED / 4800 LUMEN	PENDANT TYPE 1B	3	
B48E	SAME AS TYPE 'B48' EXCEPT WITH INTEGRAL 2-LAMP 1400 LUMEN MINIMUM EMERGENCY BATTERY PACK	LITHONIA	LBL4 SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	48	3500K LED / 4800 LUMEN	PENDANT TYPE 1B	3	
EXA	LED EXIT SIGN, HIGH OUTPUT, UNIVERSAL MOUNTING, THERMOPLASTIC WHITE HOUSING, RED LETTERS, NI-CAD BATTERY, SELF-DIAGNOSTICS, UL924 LISTED, NO LAMP HEADS	LITHONIA	LHQM-S-W-3-R-HO RO-120/277-EL N SD	COOPER, HUBBELL, PHILIPS	120	--	3	LED	CEILING MOUNT OR WALL MOUNT AT 7'-6" AFF (OR BOTTOM OF FIXTURE 6" ABOVE DOOR FRAME) UNLESS NOTED OTHERWISE		
EXB	LED EXIT SIGN, UNIVERSAL MOUNTING, THERMOPLASTIC WHITE HOUSING, RED LETTERS, NI-CAD BATTERY, SELF-DIAGNOSTICS, UL924 LISTED	LITHONIA	LQM-S-3-R-120/277-EL N SD	COOPER, HUBBELL, PHILIPS	120	--	3	LED	CEILING MOUNT OR WALL MOUNT AT 7'-6" AFF (OR BOTTOM OF FIXTURE 6" ABOVE DOOR FRAME) UNLESS NOTED OTHERWISE		
D	16" LED HIGHWAY, 16" CLEAR ACRYLIC REFLECTOR, DROP LENS, 15A FACTORY INSTALLED TWIST LOCK PLUG, 5'-0" GALVANIZED SAFETY CABLE	CREE	CXB SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	160	3500K LED / 18000 LUMEN	HOOK AND CORD	1	
EMS	STEEL EMERGENCY LIGHTING UNIT, INCANDESCENT GLASS SEALED-BEAM LAMPS IN THERMOPLASTIC HOUSING, MAINTENANCE-FEE, LEAD-CALCIUM BATTERY	LITHONIA	ELT SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	2	24	PAR36 SEALED-BEAM	WALL MOUNT	1.2	
EMW	LED WALL PACK, DARK BRONZE, INTEGRAL EMERGENCY BATTERY	LITHONIA	WST SERIES	COOPER, HUBBELL, PHILIPS	120	--	47	3000K LED / 4000 LUMEN	WALL MOUNT	1	
P	PENDANT LED FIXTURE	CONTECH	CL6-127K-MVD2-P-X-W-CLR-B	COOPER, HUBBELL, PHILIPS	MVOLT	--	16	1900 LUMEN/2700K LED	PENDANT	3	
R	REMOTE EMERGENCY HEADS, DUAL, LED	LITHONIA	ELA-B-T-QWP-0304-SD	COOPER, HUBBELL, PHILIPS	120	--	1.5	LED	WALL		
S	4' FLUORESCENT STRIP FIXTURE, STEEL HOUSING, WIRE GUARD	LITHONIA	ZL2N SERIES	COOPER, HUBBELL, PHILIPS	MVOLT	--	34	3500K LED / 441 LUMEN	CHAIN-HUNG AT 9'-0" AFF		
UC	2" UNDER CABINET LIGHT W/ INTEGRAL ROCKER SWITCH, WHITE ACRYLIC LENS	LITHONIA	RAYZER SERIES	COOPER, HUBBELL, PHILIPS	120	--	13	3000K LED / 441 LUMEN	SURFACE		
W	LED WALL PACK, DARK BRONZE	LITHONIA	WST SERIES	COOPER, HUBBELL, PHILIPS	120	--	47	3000K LED / 4000 LUMEN	WALL MOUNT	1	

LUMINAIRE SCHEDULE REMARKS:

- VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDERING PENDANT FIXTURES AND PRIOR TO WALL ROUGH-IN.
- VERIFY COLOR WITH ARCHITECT/OWNER PRIOR TO ORDERING.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT MOUNTING HEIGHT.

SHOP AND MECHANICAL EQUIPMENT SCHEDULE											
TAG	DESCRIPTION	LOCATION	POWER SOURCE	MCA	VOLTS	PHASE	NEW CONDUCTORS	CIRCUIT BREAKER	SCOPE OF WORK REQUIRED		
									SCOPE OF WORK	SCOPE OF WORK	SCOPE OF WORK
SHOP EQUIPMENT											
1	WHEEL BALANCER	EQUIP. SHOP 110	EP-1	6.6	208	1	2#12, #12G, 3/4"	2P-20A			2
2	TIRE CHANGER	EQUIP. SHOP 110	EP-1	15	120	1	2#12, #12G, 3/4"	1P-20A			
3											