

**LATHAN · McKEE**  
ARCHITECTS

300 CHASE PARK SOUTH • SUITE 200 • HOOVER, ALABAMA 35244  
205-988-9112

**ADDENDUM NO. 2**  
**NEW BUS SHOP FOR BLOUNT COUNTY SCHOOLS**  
Architect Job No. 25-46  
February 25, 2026  
DCM #2026084

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**BIDS DUE:**

Thursday, March 19, 2026, until  
2:00 p.m., local time, held at  
Blount County Board of Education  
415 5<sup>th</sup> Ave. E.  
Oneonta, AL 35121

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The Plans and Specifications are here by amended. The following supersedes all contrary and/or conflicting information and is made part of the contract documents.

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**SPECIFICATIONS**

1. **SECTION 08330 – ROLLING SERVICE DOORS: DELETE IN ITS ENTIRETY.**
2. **SECTION 08360 – COMMERCIAL OVERHEAD SECTIONAL DOORS: ADD IN ITS ENTIRETY.**

**DRAWINGS**

1. **SHEET A2.1 – MAIN LEVEL FLOOR PLAN: REVISED PER STATE COMMENTS. ADDED ADDITIONAL BOLLARDS NEAR RISER 107B.** See clouded for revisions.
2. **SHEET E1.1 – SCHEDULES, SYMBOLS, AND NOTES: REVISED PER STATE COMMENTS.** See clouded for revisions.
3. **SHEET E3.1 – FLOOR PLAN – LIGHTING: REVISED PER STATE COMMENTS.** See clouded for revisions.
4. **SHEET E4.1 – FLOOR PLAN – POWER: REVISED PER STATE COMMENTS.** See clouded for revisions.

## COMMERCIAL OVERHEAD SECTIONAL DOORS - SECTION 08360

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Architectural Series:
  - 1. Steel insulated full sectional overhead doors.
- B. Electric Door Operators.

#### 1.2 REFERENCES

- A. American Architects Manufacturers Association (AAMA):
  - 1. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.
- B. American National Standards Institute (ANSI):
  - 1. ANSI/DASMA 102 - American National Standards Specifications for Sectional Doors.
- C. ASTM International (ASTM):
  - 1. ASTM B 209/209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
  - 2. ASTM B 221/221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
  - 3. ASTM B 653/653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- D. Door and Access Systems Manufacturers Association (DASMA):
  - 1. DASMA TDS-163 - R-Value and U-Factor as Applied to A Residential or Commercial Garage Door

#### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
  - 4. Operation and maintenance data.
  - 5. Nameplate data and ratings for motors.
- C. Shop Drawings: Include opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
- D. Selection Samples: Upon request furnish color samples or 2 x 2 ft (600 x 600 mm) section sample.

#### 1.4 WIND PERFORMANCE REQUIREMENTS

- A. Design doors to withstand positive and negative wind loads as calculated in accordance with applicable building code and detailed in structural documents.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum ten years of documented experience.

- B. Installer Qualifications: Minimum five years of documented experience and authorized by the door manufacturer.

## 1.6 WARRANTY

- A. Manufacturers Limited Warranty steel sectional overhead doors:
  - 1. Standard finish warranty against cracking, checking, or peeling for 10 years. Custom color option Color Blast Finish limited warranty period for 5 years; Delamination warranty for 10 years; Parts and Hardware for 1 year. Extended 8-Year Hardware Warranty option.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Clopay Corporation, which is located at:
- B. Requests for substitutions will be considered in accordance with provisions of Product Requirements.

### 2.2 FLUSH STEEL DOORS, POLYSTYRENE INSULATED

- A. Premium duty flush steel polystyrene insulated doors.
  - 1. Maximum Door Size (WxH): As indicated by the Architectural Drawings
  - 2. Interior Backer Cover: Pre-painted 30 gauge steel.
  - 3. Exterior Steel Skin Thickness: 20 ga 0.034 inch (0.86 mm).
  - 4. End Stiles: Galvanized, primed, and polyester top-coated turn-down steel. Easy hardware attachment through pre-punched holes.
  - 5. Astragal: U-shaped flexible PVC in full-length retainer of 0.055 inch (1.4 mm) rigid PVC.
  - 6. Insulation: 1-3/8 inches thick (35 mm) polystyrene insulation
  - 7. Thermal resistance (R-value): 6.6 hr sq ft deg F/BTU (1.2 K sq m/W)
  - 8. Windows (WxH): As Indicated. Polypropylene frame to match door color.
    - a. Glazing: 1/8 inch (3 mm) DSB clear float glass
  - 9. Finish: Exterior: 1 mil (.025 mm) coating. Interior: 0.5 mil (0.013 mm) coating.
    - a. Exterior Color: Selected by Architect
  - 10. Lock Type: Provide cylinder lock with outside key as per Hardware Schedule.
  - 11. Door Drop Safety Device: Brackets to stop door from falling if lift cables fail.
  - 12. Weatherstripping: Complete perimeter seals.
  - 13. Track Size: 2 inches (51 mm) track for 2 inch (51 mm) diameter rollers.
    - a. Vertical Tracks: 0.061 inch (1.55 mm) galvanized steel.
    - b. Horizontal Tracks 0.075 inch (1.91 mm) galvanized steel.
  - 14. Track configuration to maximize headroom available per plans.
  - 15. Torsion Spring Counterbalance: Mechanism sized to weight of door, with high strength galvanized aircraft cable. 7 to 1 safety factor.
    - a. High Cycle Spring: 50,000 cycles.

### 2.3 ELECTRIC DOOR OPERATORS

- A. Electric Door Operator: Comply with NFPA 70. Provided by door manufacturer with operational life specified complete with electric motor and factory pre-wired motor controls, starter, gear-reduction unit, clutch, remote-control stations, control devices, integral gearing for locking door, and accessories required for proper operation.
  - 1. Design Operator to allow motor to be removed without disturbing limit switch adjustment and without affecting emergency auxiliary operator.
  - 2. Solenoid-operated brake.

- B. Disconnect Device: Hand-operated for emergency manual operation while disconnecting motor, without affecting timing of limit switch. Mount disconnect and operator accessible from floor level. Interlock device automatically prevents motor from operating when emergency operator is engaged.
- C. Control Equipment: Comply with NEMA ICS1, NEMA ICS 2, and NEMA ICS 6, with NFPA 70 Class 2 control circuit, maximum 24 V, AC or DC.
- D. Electric Motors: High-starting torque, reversible, continuous-duty, Class A insulated, electric motor, complying with NEMA MG 1, with overload protection, sized to start, accelerate, and operate door in either direction, from any position, at not less than 2/3 fps (0.2 m/s) and not more than 1 fps (.03m/s), without exceeding nameplate ratings or considering service factor.
  - 1. Reference Electrical Schedules for phase and voltage per location.
  - 2. Provide horsepower in accordance with manufacturer recommendations per door size and type.
- E. Remote Control Station: Continuous contact, 3-button control station with push - button controls labeled "Open", "Close" and "Stop".
  - 1. Interior units, fully guarded, surface mounted, heavy-duty type, with general-purpose NEMA ICS 6 enclosure in one of the following types:
    - a. Enclosure Type: Type 1.
    - b. Enclosure Type: Type 4.
    - c. Enclosure Type: Type 12.
- F. Obstruction Detection Device: For full width of the door opening. Each motorized door to have external automatic safety sensor. Activation of sensor immediately stops and reverses downward door travel.
  - 1. Sensor Edge: Automatic safety sensing edge, located within astragal or weather stripping mounted to bottom bar. Contact with sensor immediately stops and reverses downward door travel. Connect to control circuit using manufacturer's standard take-up reel or self-coiling cord.
  - 2. Sensing Edge Operation:
    - a. Electric.
    - b. Pneumatic.
    - c. Electric fail safe.
    - d. Pneumatic fail safe.
    - e. Photo-electric control: Provide each motorized door with a photo-electric device that will stop and reverse the downward door travel if the light beam is broken or blocked. Device shall be:
      - 1) NEMA Type 1.
      - 2) NEMA Type 4.
- G. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop door at fully opened and fully closed positions.
- H. Radio Controls: 3 button radio transmitter providing remote open, close, stop functionality. External antenna and coaxial wiring to receiver enhancing radio control reception.
- I. Auxiliary Chain Hoist: For emergency manual operation while disconnecting motor, without affecting timing of limit switch. Disconnect and operator to be accessible from floor level. Interlock Device: Automatically prevents motor from operating when emergency operator is engaged.

### PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine wall and overhead areas, including opening framing and blocking, with installer present, for compliance with requirements for installation tolerances, clearances, and other conditions affecting performance of Work in this Section.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install overhead doors and track in accordance with approved shop drawings and the manufacturer's printed instructions.

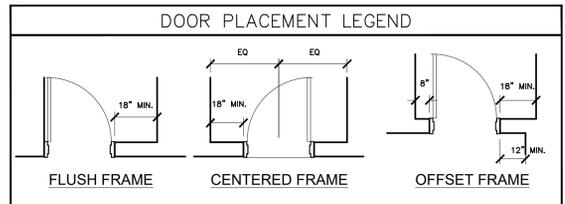
### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



GENERAL NOTES	
EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK -SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.	SLOPE FINISH FLOOR TO FLOOR DRAINS
COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED	PAINT ALL EXPOSED CMU SURFACES AND PEMB FRAME
WINDOWS ARE DIMENSIONED TO THE CENTER LINE	SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING	SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
THE G.C. IS RESPONSIBLE FOR REPAIRING ANY DAMAGES TO EXISTING LANDSCAPING RESULTING FROM NEW WORK.	ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO CENTER LINE OF STUDS

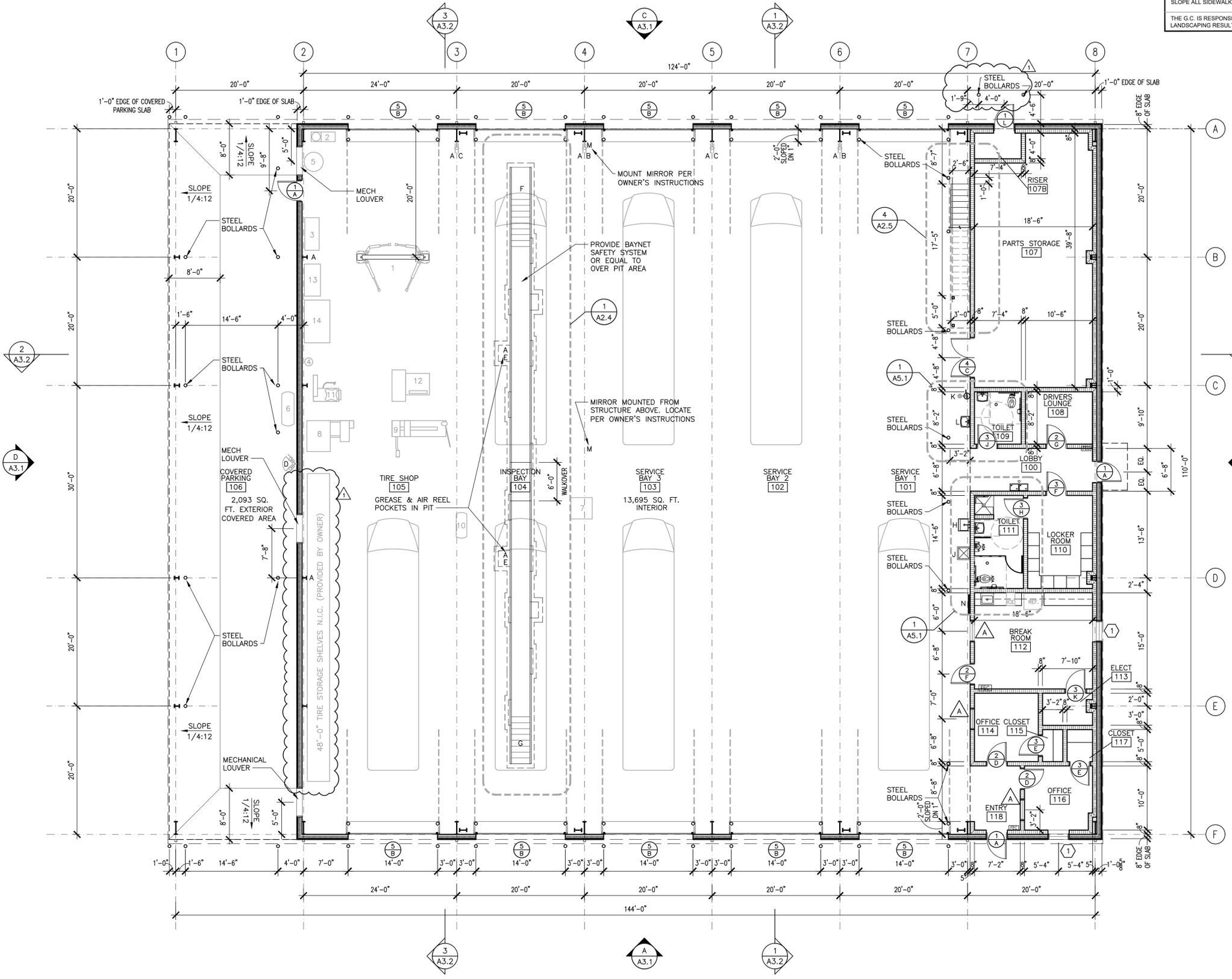


EXISTING EQUIPMENT TO BE REUSED	
1	Existing 10,000 Lbs (100 Series) Vehicle Lift
2	Existing "HOTSY" Pressure Washer
3	Existing Coolant Tank - Anti Freeze
4	Existing Grease Tank (Should include a large conduit line below grade to a New Grease Reel in the New Pit Area)
5	Existing Windshield Washer Fluid Barrel with pump to feed New Wall Mounted Reets between Bays
6	Existing Air Compressor "Speedaire" by Dayton
7	Existing DEF Tank
8	Existing Bus Tire Balancer "COATS 6450"
9	Existing Bus Tire Changer "COATS HIT5000"
10	Existing Reserve Air Tank
11	Existing White Fleet - "RIM CLAMP 5060EX"
12	Existing White Fleet - Hunter "DPS9200 BALANCING"
13	Existing Transmission Oil Tank
14	Existing Large Oil Tank

NEW BUS SHOP EQUIPMENT	
A	NEW Wall Mounted Hose Reel for Compressed Air
B	NEW Wall Mounted Hose Reel for Washer Fluid
C	NEW Wall Mounted Hose Reel for New Oil
D	NEW Wall Mounted Swivel Hose Reel for Pressure Washing Wand
E	NEW Hose Reel in Pit for New Grease Gun
F	NEW Pit Stairs w/ Temp. Containment Tank Built In (ALLOWANCE NO. 2)
G	NEW Pit Stairs ONLY
H	NEW Shop Utility Sink
J	NEW Janitor's Sink
K	NEW Emergency Eye Wash and Shower Station
L	NEW Shop Area Hand Wash Sink
M	NEW 36" Diameter Convex Mirror (Mount Per Owner's Instructions)
N	NEW Wall Mounted 70" Flat Screen TV

SYMBOLS LEGEND	
A200 ROOM NUMBER	TC DOOR TYPE
+ INTERIOR FLOOR ELEVATION	TC DOOR RATING
F.D. FLOOR DRAIN	TC HARDWARE SYMBOL
EWC ELECTRIC WATER COOLER	ELEV. MARK
1 EXTERIOR WINDOW	A1.1 SHEET NUMBER
NEW DOOR AND SWING	1 SECT. MARK
WB WINDOW BLINDS	A1.1 SHEET NUMBER
	5 ELEV. MARK
	A5.1 SHEET NUMBER
	INT. ELEVATION
	A HOLLOW METAL VIEW WINDOW

WALL TYPE LEGEND	
A	PRE-ENGINEERED METAL BUILDING FRAME WITH METAL PANELS AT EXTERIOR AND R-25 VINYL FACED INSULATION SYSTEM AS SPECIFIED INSTALL 3/4" PLYWOOD UP ON INSIDE
B	8" CMU WALL TO 10'-0" AFF.



**1 MAIN LEVEL FLOOR PLAN**  
1/8" = 1'-0" 13,695 SQ. FT.

## LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	LAMPS			MOUNTING HEIGHT	TYPE MOUNTING	RECESS DEPTH	REMARKS
			NO.	WATTS	TYPE				
A	METALUX	24CGT5535C	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	
B	METALUX	24CGT4535C	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	
B (EM)	METALUX	24CGT4535C-EL14W	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	SEE NOTE 1
C	PATHWAY LIGHTING	6VFL2X-3000-35K-DA-DA-FM-D-SLP	FURNISHED WITH FIXTURE			CEILING	RECESSED	6"	
C (EM)	PATHWAY LIGHTING	6VFL2X-3000-35K-DA-DA-FM-D-SLP 6VLEDMD-SCLPF-EM	FURNISHED WITH FIXTURE			CEILING	RECESSED	6"	SEE NOTE 1
D	METALUX	45NLED-LD4-4600SL-LW-UNV-L840-CD1	FURNISHED WITH FIXTURE			CEILING	SURFACE		
D (EM)	METALUX	45NLED-LD4-4600SL-LW-UNV-EL14-L835-CD1	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
F	MCGRAW-EDISON	TT-D2-740-U-MQ-BZ-F-TR	FURNISHED WITH FIXTURE			CEILING	SURFACE		
F (EM)	MCGRAW-EDISON	TT-D2-740-U-MQ-BZ-F-TR-IBP	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
G	MCGRAW-EDISON	TT-D2-740-U-MQ-BZ-F-TR	FURNISHED WITH FIXTURE			CEILING	SURFACE		
G (EM)	MCGRAW-EDISON	TT-D2-740-U-MQ-BZ-F-TR-IBP	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
H	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR	FURNISHED WITH FIXTURE			+9'	BRACKET		
H (EM)	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR-BBB	FURNISHED WITH FIXTURE			+9'	BRACKET		SEE NOTE 1
K	METALUX	4V72-LD5-8-DR-W-UNV-L835-CDW1-WL-TEH	FURNISHED WITH FIXTURE			WALL POCKET	SURFACE		
K (EM)	METALUX	4V72-LD5-8-DR-W-UNV-EL10W-L835-CDW1-WL-TEH	FURNISHED WITH FIXTURE			WALL POCKET	SURFACE		SEE NOTE 1
S	HALO	SLD405-8-35-WH-UNV	FURNISHED WITH FIXTURE			CEILING	RECESSED	1.5"	
X	SURE-LITES	LPX-7-R	FURNISHED WITH FIXTURE			ABOVE DOOR	BRACKET		SEE NOTE 1

**NOTES:**

- FEED ALL "EM" FIXTURES WITH SWITCHED AND UNSWITCHED HOT LEGS. UNSWITCHED HOT LEG IS USED FOR VOLTAGE SENSING.
- VERIFY ALL FIXTURE COLORS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO SUBMITTALS.
- EQUAL FIXTURES BY LITHONIA, PARKER, COLUMBIA, AND DAYBRITE WILL BE CONSIDERED APPROVED EQUALS.

## GENERAL NOTES

- SERVICE TO BUILDING IS 120/208 VOLTS, 3 PHASE, 4 WIRE.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
- VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
- CONTRACTOR TO VERIFY LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKSPASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS.
- CONTRACTOR WILL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
- FURNISH AND INSTALL PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
- SUPPORT OF ALL LIGHTING FIXTURES TO BE THE RESPONSIBILITY OF THIS CONTRACTOR. FIXTURES TO BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
- ELECTRICAL CONTRACTOR MUST CHECK THE CORRESPONDING MECHANICAL SHEETS AND BE RESPONSIBLE FOR INCLUDING PROPER SERVICE AND CONNECTIONS TO ALL MECHANICAL ITEMS SHOWN THEREON REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL SHEETS.
- ALL CONDUIT CONCEALED UNLESS SPECIFICALLY SHOWN EXPOSED.
- COORDINATE SERVICES WITH POWER AND COMMUNICATIONS COMPANIES. REMOVE OR RELOCATE ALL POWER AND COMMUNICATIONS CIRCUITS ABOVE OR BELOW GRADE THAT WOULD OBSTRUCT THE CONSTRUCTION OF THE PROJECT OR CONFLICT IN ANY MANNER WITH COMPLETION OF THE PROJECT OR ANY CODE PERTAINING THERETO. IF UTILITY COMPANY REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE THE ADDITIONAL COST.
- IT IS INTENDED THAT SPECIFICATIONS AND PLANS SHALL INCLUDE EVERYTHING REQUIRED AND NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF THE COMPLETE SYSTEMS SHOWN EVEN THOUGH EVERY ITEM MAY NOT BE PARTICULARLY MENTIONED IN DETAIL. THE CONTRACTOR SHALL DELIVER TO OTHER TRADES ANY EQUIPMENT THAT MUST BE INSTALLED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS AND COORDINATION OF THE PHYSICAL SIZE OF ALL EQUIPMENT WITH THE ARCHITECTURAL REQUIREMENTS OF THE SPACES INTO WHICH THE EQUIPMENT WILL BE INSTALLED.
- THIS CONTRACTOR SHALL INSTALL EQUIPMENT GROUNDS THROUGHOUT THIS PROJECT, USING GREEN INSULATED GROUND WIRE. USE OF CONDUIT AS THE ONLY GROUND CONDUCTOR WILL NOT BE ALLOWED. (SIZE GROUND WIRES PER N.E.C.)

## CODE EXCEPTION NOTE

THIS PROJECT HAS BEEN DESIGNED UNDER ASHRAE 90.1 2013, EXCEPT AS FOLLOWS: WE TAKE EXCEPTION TO SECTION 8.4.2 FOR REQUIRING CONTROLLED RECEPTACLES, AND SECTION 8.4.3 FOR REQUIRING ENERGY MONITORING. WE OFFICIALLY REQUEST THAT THIS PROJECT BE APPROVED WITHOUT THOSE ITEMS.

## ELECTRICAL SYMBOLS

	CEILING OUTLET - FIXTURE "A", CIRCUIT 1, SWITCH "a".
	CEILING OUTLET - FLUORESCENT FIXTURE.
	CEILING OUTLET - FLUORESCENT INDUSTRIAL OR STRIP TYPE.
	WALL OUTLET - INCANDESCENT BRACKET TYPE.
	WALL OUTLET - FLUORESCENT BRACKET TYPE.
	WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR.
	WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR - MOUNT AT 6" ABOVE COUNTER.
	WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR.
	WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, WEATHERPROOF, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR. INSTALL #WUC10-CAGY WEATHERPROOF COVER. DEVICE SHALL BE LABELED AS "EXTRA DUTY".
	WALL OUTLET - SINGLE OUTLET, 50A, 125/250V, 4W, BY HUBBELL OR APPROVED EQUAL.
	FLOOR OUTLET - CONDUIT STUB UP.
	CEILING OUTLET - JUNCTION BOX.
	WALL OUTLET - JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
	SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221 - GREY, ("N" DENOTES NARROW)
	SWITCH OUTLET - FLUORESCENT DIMMER - LUTRON NOVA-T SERIES #NTF-103P.
	SWITCH OUTLET - AC TYPE, TWO POLE, 20A, 120/277V, HUBBELL #1222 - GREY.
	SWITCH OUTLET - AC TYPE, THREE WAY, 20A, 120/277V, HUBBELL #1223 - GREY.
	SWITCH OUTLET - AC TYPE, FOUR WAY, 20A, 120/277V, HUBBELL #1224 - GREY.
	SWITCH MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOAD PROTECTION.
	SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #12211C.
	LIGHTING PANEL - SEE SPECIFICATIONS AND SCHEDULE.
	POWER PANELS - SEE SPECIFICATIONS AND SCHEDULE.
	BRANCH CIRCUIT CONCEALED IN WALL OR CEILING.
	BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND.
	HOMERUN TO PANELBOARD - ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2 # 12 & 1 # 12(G) - 1/2" CONDUIT. 3 # 12 & 1 # 12(G) - 3/4" CONDUIT. 4 # 12 & 1 # 12(G) - 3/4" CONDUIT.
	EMPTY CONDUIT - 3/4".
	BRANCH CIRCUIT EXPOSED.
	CONDUIT RUN DOWN WALLS, CONCEALED
	CONDUIT RUN UP WALLS, CONCEALED
	MOTOR SHOWN 5hp (TYPICAL) OR 40 AMPS (TYPICAL).
	EXHAUST FAN MOTOR - FRACTIONAL HORSEPOWER.
	MAGNETIC MOTOR STARTER.
	NON-FUSED DISCONNECT SWITCH. (RT - RAINTIGHT).
	FUSED DISCONNECT SWITCH.
	ABOVE FINISHED FLOOR.
	VERIFY LOCATION.
	NATIONAL ELECTRICAL CODE.
	GROUND FAULT CIRCUIT INTERRUPTER
	WEATHER PROOF
	NIGHT LIGHT - CIRCUIT LIGHT SO CONTROLS DO NOT TURN THE LIGHT FIXTURE OFF.
	WALL SWITCH WITH BUILT IN MOTION SENSOR - COOPER #OSW-P-0451-W WITH WALL PLATE
	WALL STATION - COOPER #RC-6TSB-P2-G WITH WALL PLATE
	WALL STATION - COOPER #RC-3TLB-P1-G WITH WALL PLATE
	COMPUTER OUTLET - 3/4" CONDUIT WITH CABLING-SEE SPEC.
	COMPUTER OUTLET - 3/4" CONDUIT WITH CABLING-MOUNT 6" ABOVE COUNTER-SEE SPEC.
	THERMOSTAT, CARBON MONOXIDE DETECTOR, ETC. - WALL OUTLET 48" AFF OR AS DIRECTED BY MECHANICAL DRAWINGS. RUN EMPTY 3/4" CONDUIT TO ABOVE LAY-IN CEILING OR RESPECTIVE UNIT. VERIFY WITH MECHANICAL FOR EXACT SIZE OF BOX AND QUANTITY OF BOXES AND CONDUITS AT EACH LOCATION.

## COLOR CODE FOR ELECTRICAL WIRING

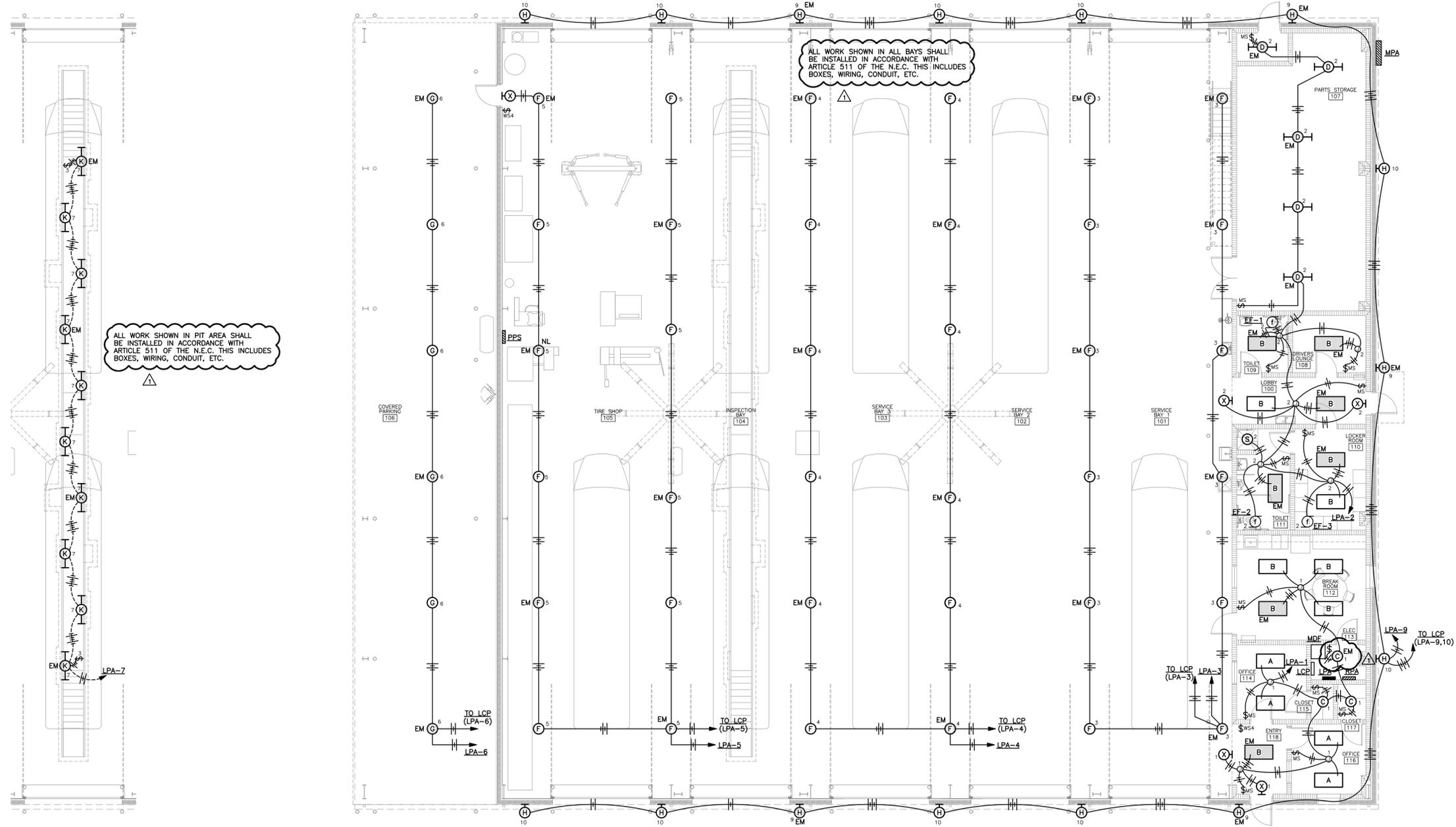
- 120/208 V, 60Hz, 3 PHASE, 4 WIRE SYSTEM  
 PHASE A-BLACK  
 B-RED  
 C-BLUE  
 N-WHITE
- GROUND-GREEN

## COLOR CODE FOR JUNCTION BOXES

NOTE:  
 PAINT ALL JUNCTION BOXES AND COVERS WITH COLORS AS SHOWN BELOW. PAINTING COVERS ONLY IS NOT ACCEPTABLE.

<b>FUNCTION:</b>	<b>COLOR:</b>
LIGHTING	BLUE
POWER	GREEN

<b>STEWART ENGINEERING ELECTRICAL CONSULTANTS</b>	
P.O. Box 2233 (36202) 300 East 7th Street (36207) Anniston, Alabama Phone: 256/237-0891 Fax No.: 256/237-1077 Email: services@stewartengineering.org	
Engineer: J. Ryan Hart, P.E. Alabama Reg. 29140	Project Number: 25141

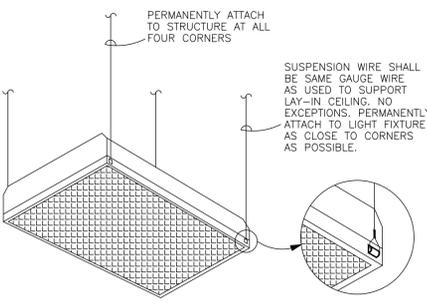


ALL WORK SHOWN IN PIT AREA SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 511 OF THE N.E.C. THIS INCLUDES BOXES, WIRING, CONDUIT, ETC.

ALL WORK SHOWN IN ALL BAYS SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 511 OF THE N.E.C. THIS INCLUDES BOXES, WIRING, CONDUIT, ETC.

**PIT AREA PLAN - LIGHTING**

SCALE: 1/8" = 1'-0"



**DETAIL - LIGHT FIXTURE SUPPORT**  
N.T.S.

**RELAY PANEL LCP**

R	PANEL	CIRCUIT	PROGRAM MODE	
1	LPA	3	NORMAL DAY-TO-DAY	SHOP PUSHBUTTON
2	LPA	4	NORMAL DAY-TO-DAY	SHOP PUSHBUTTON
3	LPA	5	NORMAL DAY-TO-DAY	SHOP PUSHBUTTON
4	LPA	6	NORMAL DAY-TO-DAY	SHOP PUSHBUTTON
5	LPA	8	NORMAL DAY-TO-DAY	MEZZANINE PUSHBUTTON
6	LPA	9	EXTERIOR DUSK TO DAWN	
7	LPA	10	EXTERIOR DUSK TO MIDN.	
8				
9				
10				
11				
12				
13				
14				
15				
16				

COOPER GREENGATE RELAY CABINET (NETWORKABLE) CONTROLKEEPER 16 (CKT16) WITH 16 RELAYS

**SITE VISIT NOTE:**  
CONTRACTOR SHALL INCLUDE IN BID PRICE A TOTAL OF (3) SITE VISITS FROM FACTORY TRAINED REPRESENTATIVE FOR LIGHTING CONTROL SYSTEM INSTALLATION, PROGRAMMING, AND TRAINING.

**FLOOR PLAN - LIGHTING**

SCALE: 1/8" = 1'-0"

- NOTES:**
- ALL WIRING SHOWN FEEDING EXTERIOR FIXTURES SHALL BE #10 THHN.
  - ALL WIRING ASSOCIATED WITH LIGHTING CONTROL RELAY PANELS SHALL BE #10 THHN UNLESS OTHERWISE NOTED.

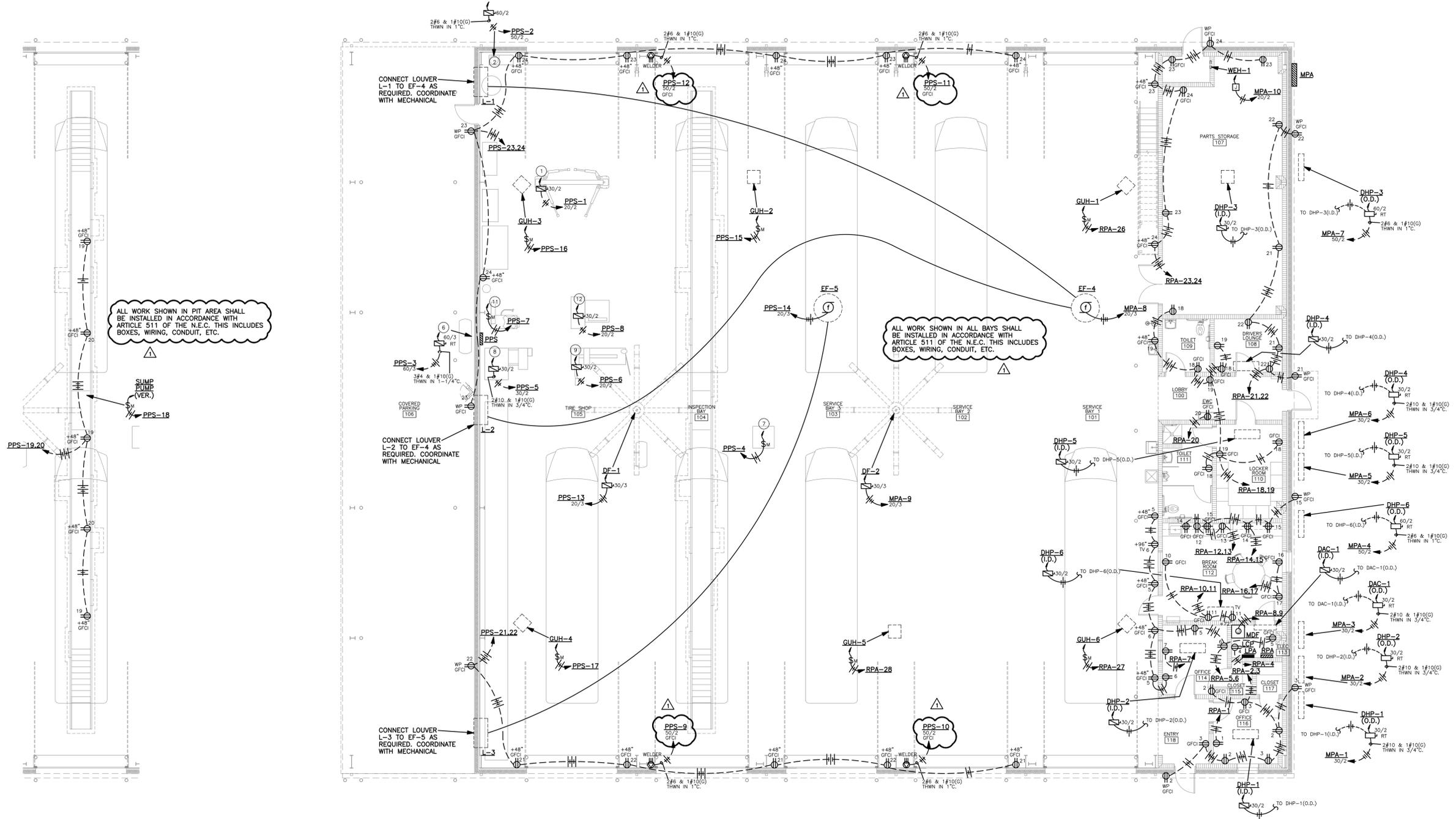
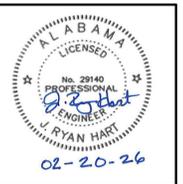
- ENERGY CODE NOTES:**
- LIGHTING INSTALLED WITH ROOM CONTROLS SHALL HAVE THE REQUIRED CONNECTION TO THE WALL SWITCH AND MOTION SENSORS TO ACCOMPLISH PARTIAL-ON AND MANUAL-ON. ROOM CONTROLS AND WALL STATION SHALL ALSO HAVE CONNECTIONS FOR BI-LEVEL LIGHTING WHERE REQUIRED. VERIFY ALL PROGRAMMING WITH LIGHTING CONTROLS MANUFACTURER DURING SITE VISIT FROM FACTORY TRAINED REPRESENTATIVE.

**STEWART ENGINEERING  
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Alabama Reg. 29140

Project Number:  
25141



**PIT AREA PLAN - POWER**  
SCALE: 1/8" = 1'-0"

**FLOOR PLAN - POWER**  
SCALE: 1/8" = 1'-0"

**SHOP EQUIPMENT SCHEDULE**

MARK	QUAN.	SHOP EQUIPMENT	ELEC. LOAD	VOLTAGE				WIRE SIZE	CONDUIT SIZE	PANEL	CIRCUIT #	BREAKER SIZE
				120	208	480	Ø					
1	1	VEHICLE LIFT	16A		•		1	2#12 & 1#12(G) THWN	1/2"	PPS	1	20/2
2	1	PRESSURE WASHER	34A		•		1	2#6 & 1#10(G) THWN	1"	PPS	2	50/2
3	1	AIR COMPRESSOR	41A		•		3	3#4 & 1#10(G) THWN	1-1/4"	PPS	3	60/3
4	1	DEF TANK	10A	•			1	2#12 & 1#12(G) THWN	1/2"	PPS	4	20/1
5	1	TIRE BALANCER	20A		•		1	2#10 & 1#10(G) THWN	3/4"	PPS	5	30/2
6	1	TIRE CHANGER	12A		•		1	2#12 & 1#12(G) THWN	1/2"	PPS	6	20/2
7	1	WHITE FLEET RIM CLAMP	10A	•			1	2#12 & 1#12(G) THWN	1/2"	PPS	7	20/1
8	1	WHITE FLEET HUNTER BALANCER	15A		•		1	2#12 & 1#12(G) THWN	1/2"	PPS	8	20/2

NOTES:  
1. ALL SHOP EQUIPMENT IS EXISTING AND WILL BE PROVIDED BY THE OWNER, THE CIRCUITS ARE NEW AND CONTRACTOR INSTALLED.  
2. MAKE ALL CONNECTIONS TO OWNER FURNISHED EQUIPMENT AS REQUIRED.

NOTES:  
1. COORDINATE ALL OUTLETS AT COUNTER AREAS CLOSELY WITH ARCHITECTURAL CASEWORK DRAWINGS. PLACE OUTLETS BELOW COUNTERS, AT STANDARD MOUNTING HEIGHT, WHEN KNEE SPACE PERMITS ACCESS (COORDINATE INSTALLATION OF HOLES WITH RUBBER GROMMETS IN THOSE CASES).  
2. COORDINATE INSTALLATION OF OUTLETS CLOSELY WITH FURNITURE SUPPLIER.  
3. ALL BRANCH CIRCUIT HOME RUNS THAT EXCEED 100' IN LENGTH SHALL BE #10 THWN.

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