

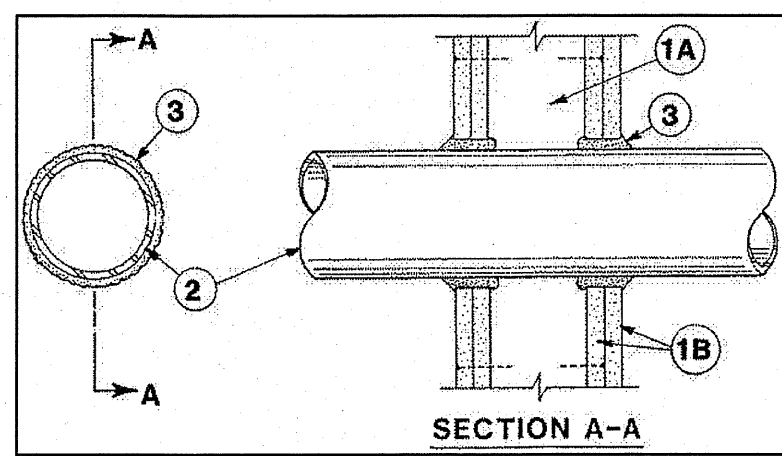
System No. W-L-1001

F Ratings --- 1, 2, 3 and 4 Hr (See Items 2 and 3)

T Ratings --- 0, 1, 2, 3, and 4 Hr (See Item 3)

L Rating At Ambient --- less than 1 CFM/sq ft

L Rating At 400 F --- less than 1 CFM/sq ft



1. **Wall Assembly** --- The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** --- Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber and plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.

B. **Gypsum Boards** --- Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in.

2. **Through-Penetrant** --- One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the freestop system. The annular space between pipe, conduit, or tubing and periphery of opening shall be min of 0 in. (point contact) to max 2 in. Pipes, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** --- Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** --- Nom 24 in. diam (or smaller) service weight (or heavier) cast iron pipe, nom 12 in. diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. **Conduit** --- Nom 6 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) steel electrical metallic tubing.

D. **Copper Tubing** --- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe** --- Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

F. **Through Penetrating Products** --- Flexible Metal Piping --- The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

GASITITE, DIV OF TITEXLEX

3. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG LLC

Fill, Void or Cavity Materials --- Caulk or Sealant --- Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the freestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the freestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam In	F RATING Hr	T RATING Hr
1	1 or 2	0+, 1 or 2
1	3 or 4	3 or 4
4	1 or 2	0
6	3 or 4	0
12	1 or 2	0

+When copper pipe is used, T Rating is 0 hr.

3M COMPANY --- CP 25WB+ or FB-3000 WT.

+Bearing the UL Classification Mark

DIVISION 16 - ELECTRICAL

PART 1 - GENERAL

1.1 DESCRIPTION OF THE WORK

A. Work under this section includes, but is not necessarily limited to, furnishing and installing the following:

1. Electrical service and service equipment.
2. Lighting and power distribution system.
3. Provide lighting fixtures selected by owner with lamps to match.

B. All work shall be complete and items, equipment, etc., shall be electrically connected for proper and correct operation.

C. All work under this contract shall be installed in accordance with the latest edition of the following codes and standards insofar as they apply:

1. The 2017 National Electrical Code.
2. The National Electrical Safety Code.
3. Underwriter's Laboratories, Inc., Standards and approved listings.
4. Electrical Testing Laboratories standards.
5. North Carolina Building Code, Latest Edition and Revisions.
6. All local codes and ordinances.

D. The Electrical Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.

E. Obtain all permits, licenses, inspections, etc., required for the work and pay for the same. Furnish final certificate of inspection and approval from the electrical inspector having jurisdiction prior to acceptance of the work.

F. All work shall be done by skilled mechanics and shall present a neat, trim, workmanlike condition when complete.

1.2 INTENT

A. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Electrical Contractor shall take this into consideration and include in his bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.

1.3 COORDINATION

A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming operations.

B. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough-in.

1.4 SHOP DRAWINGS

A. Shop drawings shall be submitted for panels and service equipment, lighting, wiring devices, and cover plates. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified.

PART 2 - PRODUCTS AND MATERIALS

2.1 GENERAL

A. All material shall be new and shall bear the manufacturer's name, trade name, and UL label where such standard has been established for the particular material. Materials shall be the standard products of manufacturer's regularly engaged in the manufacturer of the required type of equipment and the manufacturer's latest approved design.

1. Boxes installed in concealed locations shall be set flush with the finished surfaces.

2. Provide rated boxes in all fire barriers & walls installed per code.

2.2 NOT USED

2.3 CONDUCTORS

A. Conductors shall be color coded, sizes #8 and larger may be color taped on the job. Color coding shall be Standard Practice.

B. Conductors shall be manufactured by Dodge, Southwire or approved equal. Conductors shall meet the latest requirements of NEMA and IPCA and shall be UL approved.

C. Metallic sheathed "MC" cable may be used where allowed by N.E.C.

D. Conductors shall be spliced and taped as follows:

1. Size #10 and #12, use Ideal "Wing Nuts" or T&B "Piggys" connectors. Connectors shall be rated for 150 degrees C for use in recessed lighting fixtures.
2. Size #8 and larger shall be solderless screw and screw-clamping type, smoothly covered and shipped with rubber gum type with final cover vinyl plastic electrical type. In lieu of rubber gum and vinyl plastic type, factory fabricated approved preformed insulating covers may be used. All connectors shall be UL approved.
3. No split-bolt type connectors may be used.

E. All branch wire and connections shall be copper and sized per National Electric Code.

F. All conductors shall be continuous without splice between junction, outlet, device boxes, etc. No splicing will be permitted in panelboard cabinets, safety switches, etc.

G. All wiring in mechanical spaces shall be plenum rated.

H. Provide GFI protection within 6'-0" of any sink.

I. All multi-wire branch circuits shall comply with 2017 NEC, 210.4(B).

J. All wiring at medical facilities shall comply with 2017 NEC, 517.1.

2.4 PANELBOARDS, SAFETY SWITCHES

A. Panelboards shall comply with NEMA Standard PB 1 - Latest Edition and as manufactured by Square D or ITE-Siemens.

B. The contractor shall be responsible for correctly phasing the circuits in the panelboards.

C. Safety switches shall be general duty type, size and rating as required for load service. Safety switches shall be fused or unfused as shown and/or as required. Safety switches serving motor loads shall be horsepower rated for load served.

2.5 NOT USED

2.6 WIRING DEVICES

A. Wiring devices shall be commercial grade by Bryant, Leviton, or approved equal. With matching cover. Color by Architect.

B. Wiring devices installed under a Kitchen Hood shall have stainless steel covers.

C. Wiring devices installed over counters shall comply with ANSI A117.1.

2.7 NOT USED

2.8 CONDUIT

A. PVC conduit will be allowed where N.E.C. approved.

B. All service conduit shall be rigid where exposed below 8'-0" AFF or exposed to the elements or hazardous conditions.

PART 3 - EXECUTION

3.1 CIRCUIT GROUNDING

A. All circuits shall contain an insulated, green, copper grounding conductor, sized in accordance with Table 250-95 of the NEC. Grounding conductors shall be connected to equipment grounding bus in panelboard and securely attached and grounded to the device or enclosure at the other end.

3.2 GROUNDING TYPE CONVENIENCE OUTLETS AND SWITCHES

A. Outlets and switches shall be solidly grounded to equipment grounding system with a green colored insulated conductor. Electrical connections shall be continuous from equipment ground bus in panelboard to the hex nut on the convenience outlet or switch.

3.3 MOTORS

A. All motors shall be connected to conduit system with short length (minimum length 24" and maximum length 36") of flexible liquidtight conduit.

3.4 NOT USED

3.5 EQUIPMENT LABELING

A. Provide permanent name plates for all panelboards, safety switches, wiring troughs, etc., for identification of equipment controlled, services, etc. Nameplates shall be securely and permanently attached to equipment with stainless steel screws. Nameplates shall include the name of the equipment and where it is fed from.

B. All switch plates, receptacle plates and outlet covers shall be labeled with machine printed vinyl labels identifying the circuit(s) within.

C. All empty conduit runs shall be identified and indicated where they terminate.

D. Provide typewritten directory in each panelboard to clearly identify each circuit, service, etc.

3.6 NOT USED

3.7 NOT USED

3.8 JUNCTION AND/OR PULL BOXES

A. Boxes shall be installed where necessary to avoid excessive runs and/or too many bends between outlets.

3.9 PULL WIRE

A. Leave pull wire in each empty conduit run.

3.10 NOT USED

3.11 GROUNDING

A. All grounding shall be in accordance with Article 250 of the NEC. In addition, the following requirements shall be met:

1. Grounding conductors shall be installed as to permit the shortest and most direct path from equipment to ground. All connections to grounding conductors shall be accessible.
2. Equipment ground continuity shall be maintained through flexible metal conduit.
3. All wiring devices equipped with grounding connection shall be solidly grounded to ground system with grounding conductors.
4. The frame of all lighting fixtures shall be securely grounded to the equipment ground system with grounding conductors.
5. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.
6. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.

3.12 ELECTRICAL WORK IN CONNECTION WITH OTHER WORK

A. **PLUMBING WORK:** The Electrical Contractor shall furnish and install switches and devices as shown and electrically connect electric water heaters, etc. All other electrical work required will be performed by the PLUMBING CONTRACTOR.

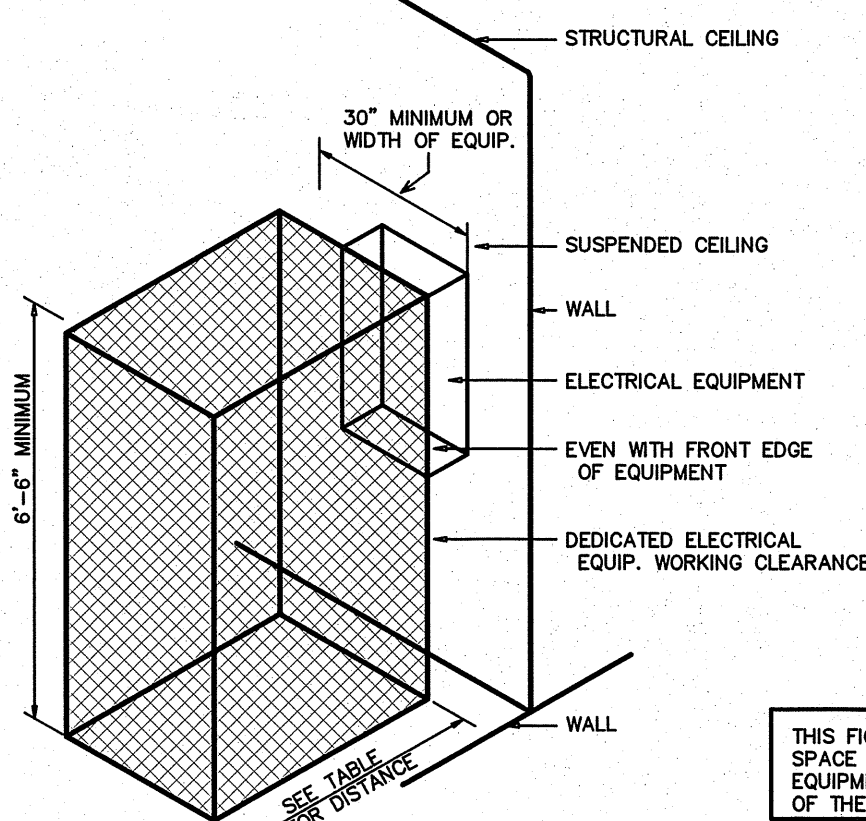
B. **HEATING AND AIR CONDITIONING WORK:** The Electrical Contractor shall provide all disconnect switches, starters, and associated hardware for the equipment furnished including all line and load side wiring and conduit. Final connections to the equipment will be by the HVAC contractor. All control wiring will be accomplished by the HVAC contractor. Coordinate all work associated with the HVAC contractor.

3.13 CLEAN UP

A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.

3.14 GUARANTEE

A. Guarantee all materials and labor included in the electrical work for a period of one year from date of final acceptance by the Owner. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no additional cost to the Owner.



ELECTRICAL EQUIPMENT WORKING CLEARANCE PER ARTICLE 110-26 OF N.E.C.

VOLTAGE TO GROUND NOMINAL	WORKING CLEARANCES			
	MIN. CLEAR DISTANCE IN FEET	1	2	3
0-150	3	3	3	3
151-600	3	3-1/2	3	4

1 ELECTRICAL CLEARANCES
SCALE: NTS

GENERAL NOTES

- 1 ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES HAVING JURISDICTION.
- 2 ALL BRANCH CIRCUIT CONDUCTORS TO BE COPPER (SERVICE CONDUCTORS MAY BE ALUMINUM WITH SAME AMPACITY AS COPPER CONDUCTORS. RE-SIZE CONDUCTORS AND CONDUIT PER NEC.)
- 3 ALL CIRCUITS TO BE 2 #12, 1 #12 GND IN 1/2" EMT CONDUIT AS A MINIMUM. PROVIDE WIRING FOR LARGER CIRCUITS AS REQUIRED BY NEC. RIGID CONDUIT IS REQUIRED WHERE EXPOSED BELOW 8'-0" A.F.F.
- 4 ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE/CORD.
- 5 CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.
- 6 ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 120 FEET ON 120V AND 208V CIRCUITS.
- 7 THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON DRAWINGS OR NOT.
- 8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANELBOARDS.
- 9 THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR TO INSURE THAT ALL LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHOULD NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.
- 10 ELECTRICAL REQUIREMENTS INDICATED ON DRAWINGS MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON DRAWINGS CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
- 11 IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT BREAKER REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO ORDERING PANEL. ADJUST BREAKER AND WIRE SIZES AS REQUIRED.
- 12 PROVIDE BOXES, JACKS, WIRING AND CONDUIT FROM LOCATIONS SHOWN TO MTP LOCATION. VERIFY EXACT REQUIREMENTS WITH OWNER.
- 13 ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS FOR MECHANICAL & PLUMBING EQUIPMENT. DISCONNECTS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND FUSED PER NAME PLATE. PROVIDE NEMA 3R ENCLOSURES ON EXTERIOR. COORDINATE FUSE SIZES.
- 14 THE EC SHALL MEET WITH THE ARCHITECT AND TENANT PRIOR TO INSTALLING OUTLET BOXES TO VERIFY LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES AND TELEPHONE OUTLETS.

**APPENDIX B
2018 BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS**

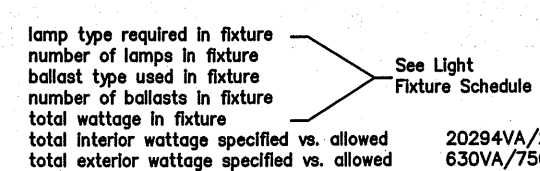
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)
ELECTRICAL DESIGN
ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance

Energy Code: Prescriptive Energy Cost Budget
ASHRAE 90.1: Prescriptive Energy Cost Budget

Lighting Schedule



Additional Prescriptive Compliance

- 506.2.1 More Efficient Mechanical Equipment
- 506.2.2 Reduced Lighting Power Density
- 506.2.3 Energy Recovery Ventilation Systems
- 506.2.4 Higher Efficiency Service Water Heater
- 506.2.5 On-Site Supply of Renewable Water
- 506.2.6 Automatic Daylighting Control System

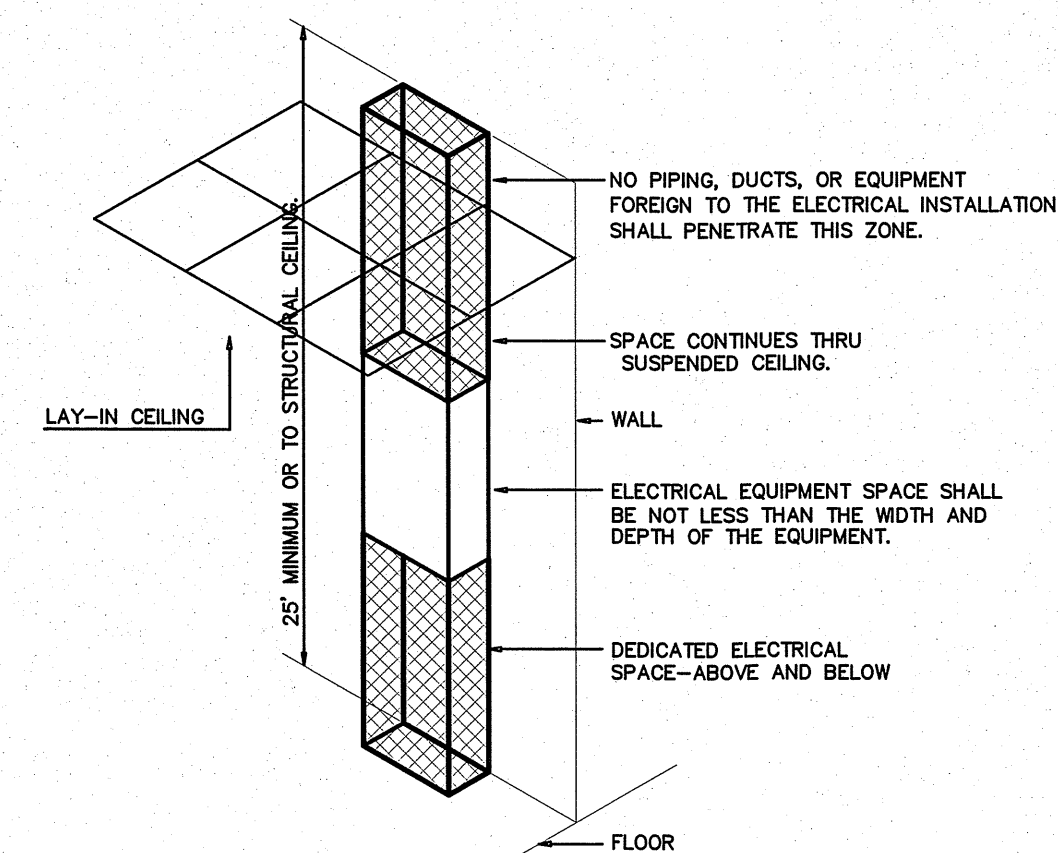
THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT REQUIRED BY SECTION 110-16 OF THE N.E.C.

WHERE THE CONDITIONS ARE AS FOLLOWS:

- 1 EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDING PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR INSULATED BUSBARS OPERATING AT NOT OVER 300V SHALL NOT BE CONSIDERED LIVE PARTS.
- 2 EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDING PARTS ON THE OTHER SIDE.
- 3 EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

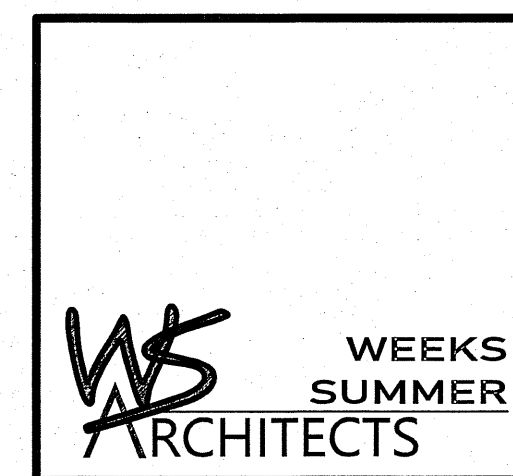
ELECTRICAL LEGEND

- LIGHT FIXTURE: LETTER DENOTES FIXTURE TYPE (REFER TO LIGHTING PLAN AND FIXTURE SCHEDULE). NL = NIGHT LIGHT (NOT SWITCHED/ALWAYS ON)
- DUPLEX RECEPTACLE - 120V; MOUNT 18" TO CENTER AFF UNLESS NOTED OTHERWISE; "WP" INDICATES WEATHER PROOF, "GFI" INDICATES GROUND FAULT CURRENT INTERRUPT PROTECTED. "U" INDICATES RECEPTACLE WITH (2) USB PORTS. (S) INDICATES SHUNT TRIP BREAKER, OR WIRING THROUGH RELAYS IN HOOD CONTROL CABINET
- QUADRUPLEX RECEPTACLE - 120V
- FLOOR BOX (FB) OR CEILING-MOUNT (CM) POWER & DATA CONNECTIONS. PROVIDE A COMPLETE FLOOR/CEILING BOX SYSTEM W/ ALL ACCESSORIES. COLOR/FINISH BY ARCH.
- TELEVISION/MONITOR POWER & DATA LOCATION. PROVIDE TELE/VIDEO BOX/CONDUIT & COAX CABLE BACK TO MTP. VERIFY EXACT HEIGHT/LOCATIONS.
- SPECIAL PURPOSE RECEPTACLE - REFER TO POWER PLAN AND PANEL SCHEDULE
- DISCONNECTING MEANS AS REQUIRED BY CODE
- LIGHT SWITCH
- SWITCH WITH INTEGRAL PIR/AS MOTION SENSOR FOR AUTOMATIC SHUT-OFF WITH UP TO 2 HOUR ADJUSTABLE DELAY.
- DIMMABLE LIGHT SWITCH
- MOTOR RATED SWITCH
- HAND DRYER (THINAIR TYPE. CONFIRM W/ ARCH/OWNER)
- JUNCTION BOX
- CLOSED-CIRCUIT TELEVISION / SECURITY CAM PROVIDE CAT 6 WIRING TO EACH DEVICE.
- DOOR W/ CARD-READER/SWIPE ENTRY
- TELE/VIDEO OUTLET - PROVIDE JUNCTION BOX WITH 3/4" CONDUIT WITH BUSINGS & PULL STRING TO ABOVE CEILING OR OTHER CONCEALED ACCESSIBLE LOCATION. PROVIDE L-HOOK SYSTEM FROM CONDUIT TERMINATION TO MTP.
- MAIN TELEPHONE PANEL - PROVIDE FIRE RESISTANT 4'X8'X3/4" PLYWOOD BACKBOARD, TWO 2" CONDUITS BACK TO TELEPHONE SERVICE ENTRY POINT AND ONE 2" CONDUIT BACK TO CABLE TV SERVICE ENTRY POINT. FIELD VERIFY EXACT LOCATIONS.
- MULTI-CIRCUIT TIME CLOCK
- SINGLE-POLE HOMERUN TO PANELBOARD
- TWO-POLE OR 3-POLE HOMERUN TO PANELBOARD
- EXIT LIGHT
- EMERGENCY EGRESS FIXTURE
- PHOTOCELL
- BRANCH CIRCUIT WIRING
- SWITCH LEG
- GROUND CONNECTION
- DISTRIBUTION PANEL (VERIFY TYPE/REQUIREMENTS)
- TWO HOUR FIRE BARRIER
- THREE HOUR FIRE BARRIER
- WIRELESS ACCESS POINT



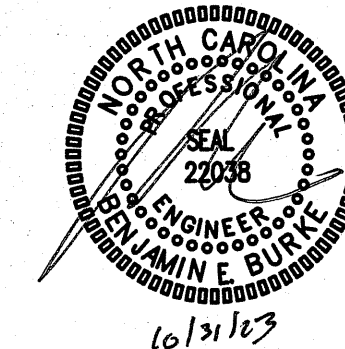
ELECTRICAL EQUIPMENT DEDICATED SPACE PER ARTICLE 110.26.F.1 OF N.E.C.

2 DEDICATED SPACE
SCALE: NTS



W. S. ARCHITECTS, PA
3305-109 Durham Drive
Raleigh, North Carolina 27603
919.779.9797
www.wsarchitectspa.com

ENGINEER
BURKE DESIGN GROUP, PA
CONSULTING ENGINEERS
3305-109 Durham Drive
Raleigh, North Carolina 27603
919.771.1919 fax: 919.779.0826
email: benburke@nc.rr.com
Corp. License # C-2652

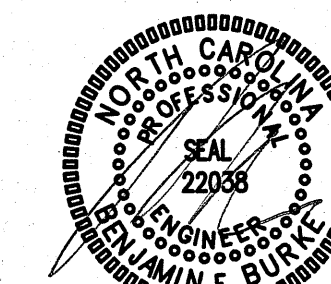


PROJECT TITLE
REVELS TURF & TRACTOR
RAWLINS CHURCH RD.
FUQUAY-VARINA, NORTH CAROLINA

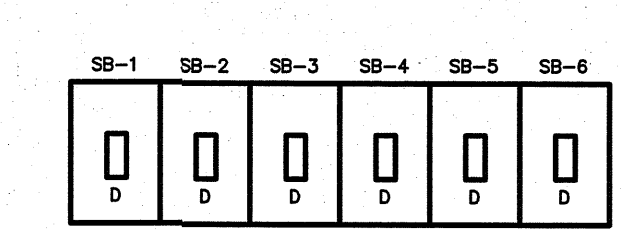
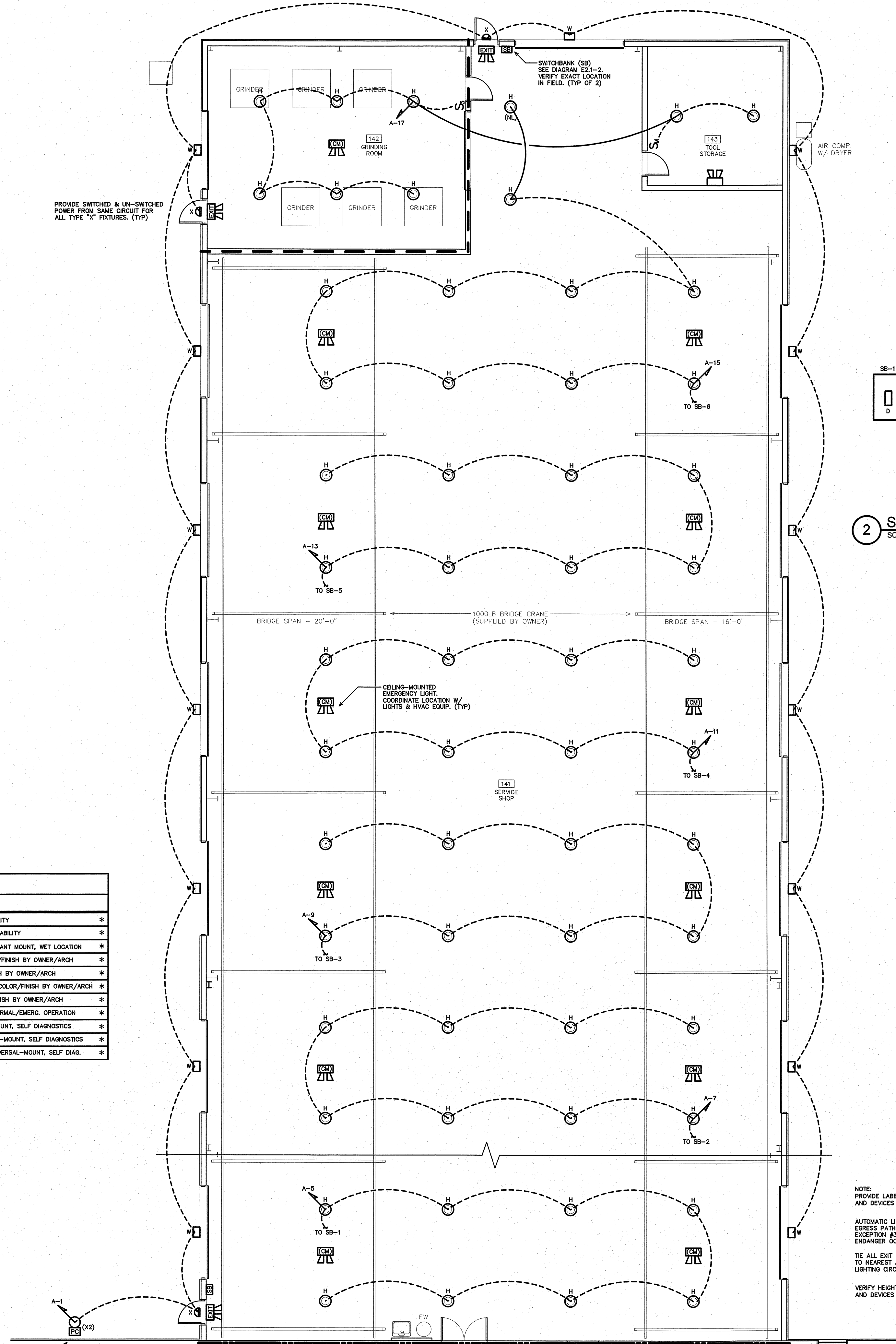
PROJECT NO.
2232
DRAWING TITLE
ELECTRICAL SPECS

PLOT DATE 10/30/23

This original sheet is 24" x 36"; other dimensions indicate it has been altered.
All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA 2023



10/22/23



SB-1 SHOP, HIGH-BAYS
SB-2 SHOP, HIGH-BAYS
SB-3 SHOP, HIGH-BAYS
SB-4 SHOP, HIGH-BAYS
SB-5 SHOP, HIGH-BAYS

LABEL ALL SWITCHES AS TO FUNCTION
NOTE: SWITCHES MAY BE STACKED
(D) DENOTES OPTIONAL DIMMING CAPABILITY

2 SWITCHBANK (SB) X2
SCALE: NTS

TABLE 2.1

LIGHTING SCHEDULE *						
MARK	MANUFACTURER	CATALOG NO.	VOLT	LAMPS NO. TYPE W	BALLAST TYPE W	REMARKS
B	LITHONIA	CPX-2X4-4000LM-30K-M2	120	- LED - -	- -	LED 2X4 LAY-IN FIXTURE, DIMMING CAPABILITY *
C	PRESCOLITE	LFLED64-6MFLD6430K	120	- LED - -	- -	LED 6" RECESSED CAN LIGHT, DIMMING CAPABILITY *
CL	PRESCOLITE	LTC-6RD-(S/P)3XL35K8MD	120	- LED - -	- -	LED 6" CYLINDER LIGHT, SURFACE OR PENDANT MOUNT, WET LOCATION *
F	BIG ASS FANS	HAKU	120	- LED - -	- -	52" INDOOR/OUTDOOR CEILING FAN, COLOR/FINISH BY OWNER/ARCH *
H	LITHONIA	JEBL-1BL-40K-80CRI	120	- LED - -	- -	LED HIGH BAY LIGHT FIXTURE, COLOR/FINISH BY OWNER/ARCH *
S	PRESCOLITE	LTC-6RD-W3XL35K8MD	120	- LED - -	- -	LED 6" CYLINDER SCORCE, WET LOCATION, COLOR/FINISH BY OWNER/ARCH *
W	HUBBELL	SGI-40-3K7-FT-UNV-BLT	120	- LED - -	- -	LED WALL PACK, WET LOCATION, COLOR/FINISH BY OWNER/ARCH *
X	COMPASS	CUSO	120	- LED - -	- -	EMERG. EGRESS FIXTURE - DUAL MODE, NORMAL/EMERG. OPERATION *
EXIT	COMPASS	CEL	120	- LED - -	- -	LED EXIT SIGN W/ BATTERY, UNIVERSAL-MOUNT, SELF DIAGNOSTICS *
EXIT	COMPASS	CUZ	120	- LED - -	- -	LED EMERG. LIGHT W/ BATTERY, UNIVERSAL-MOUNT, SELF DIAGNOSTICS *
EXIT	COMPASS	CCRG	120	- LED - -	- -	LED EXIT/EMERG. COMBO W/ BATTERY, UNIVERSAL-MOUNT, SELF DIAG. *

* OR APPROVED EQUAL PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES.
CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY.
THE EMERGENCY LIGHTS AND EXIT SIGNS MUST HAVE INTEGRAL BATTERIES, CHARGERS AND TEST SWITCHES.

NOTE:
PROVIDE LABELING ON ALL SWITCHES AND DEVICES NOTING CIRCUIT SERVED.
AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED PER 905.2.2.2.1 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.
TIE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.
VERIFY HEIGHT LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

PROVIDE LED PHOTOCELL (PC) CONTROLS FOR EXTERIOR LIGHTING CIRCUIT.
LOCATE "PC" AWAY FROM ARTIFICIAL LIGHT (ON ROOF, IF POSSIBLE).
PROVIDE SHIELDING AS REQUIRED. VERIFY LOCATION.

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

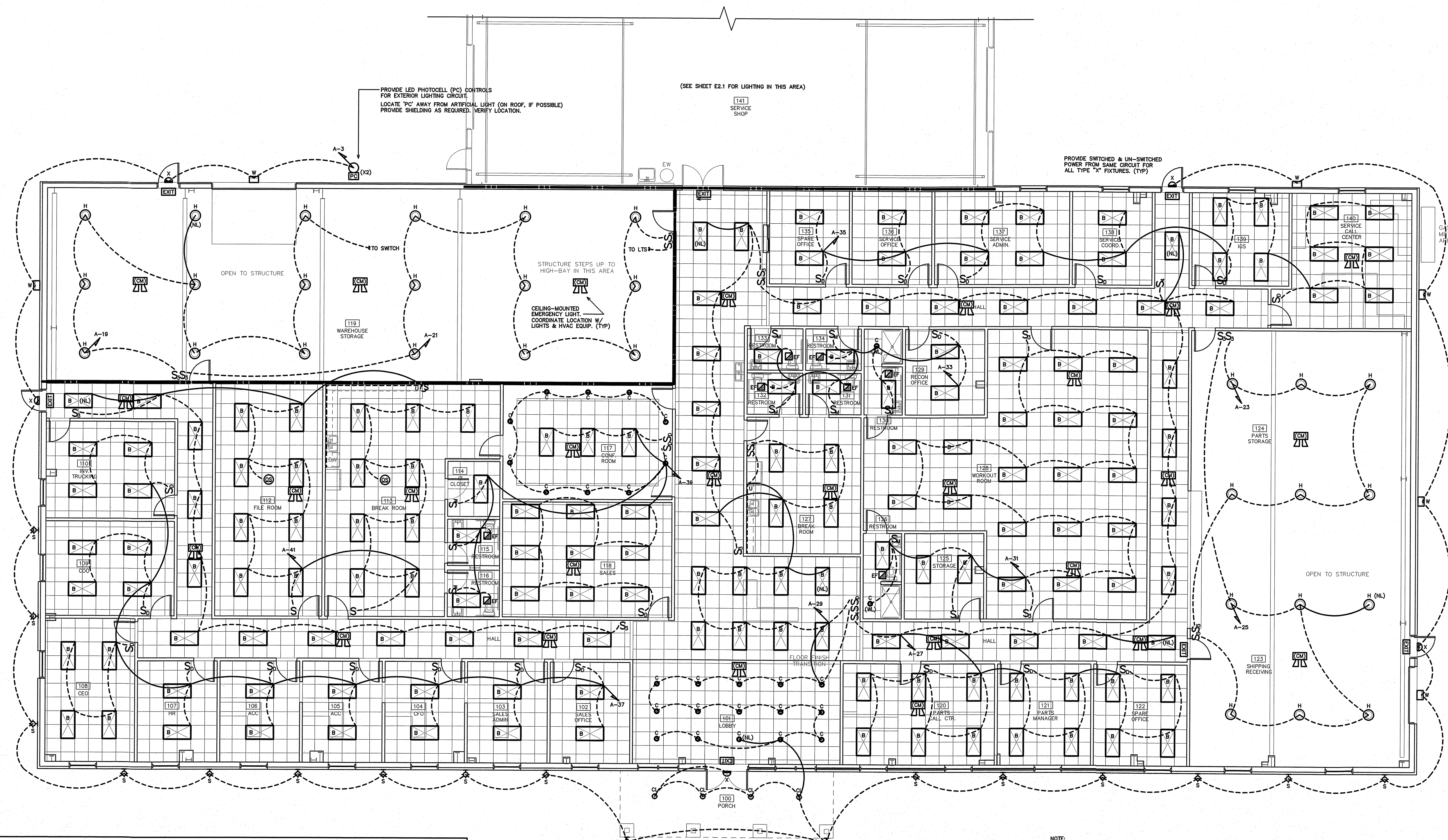
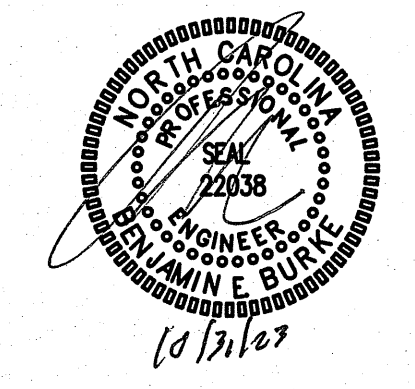
PROJECT TITLE
REVELS TURF & TRACTOR
RAWLS CHURCH RD.
FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO.
2232
DRAWING TITLE
LIGHTING PLAN

E2.1

PLOT DATE 10/30/23

This original sheet is 24" x 36"; other dimensions indicate it has been altered.
All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA, 2023



Sheet E2.2

LIGHTING SCHEDULE *

MARK	MANUFACTURER	CATALOG NO.	VOLT.	LAMPS NO. TYPE W	BALLAST TYPE	W/ FIXTURE	REMARKS
B	LITHONIA	CPX-2X4-4000LM-30K-M2	120	-	LED	40	LED 2X4 LAY-IN FIXTURE, DIMMING CAPABILITY *
C	PRESCOLITE	LFLEDD64-6MFLD6430K	120	-	LED	20	LED 6" RECESSED CAN LIGHT, DIMMING CAPABILITY *
CL	PRESCOLITE	LTC-6RD-(S/P)30L35KMD	120	-	LED	25	LED 6" CYLINDER LIGHT, SURFACE OR PENDANT MOUNT, WET LOCATION *
F	BIG ASS FANS	HAKU	120	-	LED	50	52" INDOOR/OUTDOOR CEILING FAN, COLOR/FINISH BY OWNER/ARCH *
H	LITHONIA	LEBL-18L-40K-80CRI	120	-	LED	138	LED HIGH BAY LIGHT FIXTURE, COLOR/FINISH BY OWNER/ARCH *
S	PRESCOLITE	LTC-6RD-W30L35KMD	120	-	LED	25	LED 6" CYLINDER SCIENCE, WET LOCATION, COLOR/FINISH BY OWNER/ARCH *
U	PHILLIPS	HUE LIGHTSTRIP PLUS	120	-	LED	3W/FT	LED FLEX STRIP (UNDERCOUNTER) LIGHTING, COLOR/FINISH BY ARCH *
W	HUBBELL	S01-40-3K7-FT-UNV-BLT	120	-	LED	40	LED WALL PACK, WET LOCATION, COLOR/FINISH BY OWNER/ARCH *
Y	COMPASS	CU5D	120	-	LED	10	EMERG. EGRESS FIXTURE - DUAL MODE, NORMAL/EMERG. OPERATION *
EX	COMPASS	CEL	120	-	LED	-	LED EXIT SIGN W/ BATTERY, UNIVERSAL-MOUNT, SELF DIAGNOSTICS *
EM	COMPASS	CU2	120	-	LED	-	LED EMERG. LIGHT W/ BATTERY, UNIVERSAL-MOUNT, SELF DIAGNOSTICS *
EM	COMPASS	CCRG	120	-	LED	-	LED EXIT/EMERG. COMBO W/ BATTERY, UNIVERSAL-MOUNT, SELF DIAG. *

* OR APPROVED EQUAL. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY. THE EMERGENCY LIGHTS AND EXIT SIGNS MUST HAVE INTEGRAL BATTERIES, CHARGERS AND TEST SWITCHES.

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

NOTE:
PROVIDE LABELING ON ALL SWITCHES AND DEVICES NOTING CIRCUIT SERVED.

AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED PER 905.2.2.1 EXCEPTION IS WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.

TIE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.

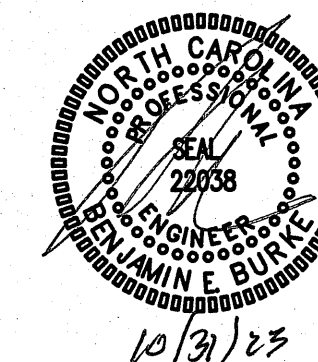
VERIFY HEIGHT/LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

PROJECT TITLE
REVELS TURF & TRACTOR
RAWLS CHURCH RD.
FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO.
2232
DRAWING TITLE
LIGHTING PLAN

E2.2

PLOT DATE 10/30/23

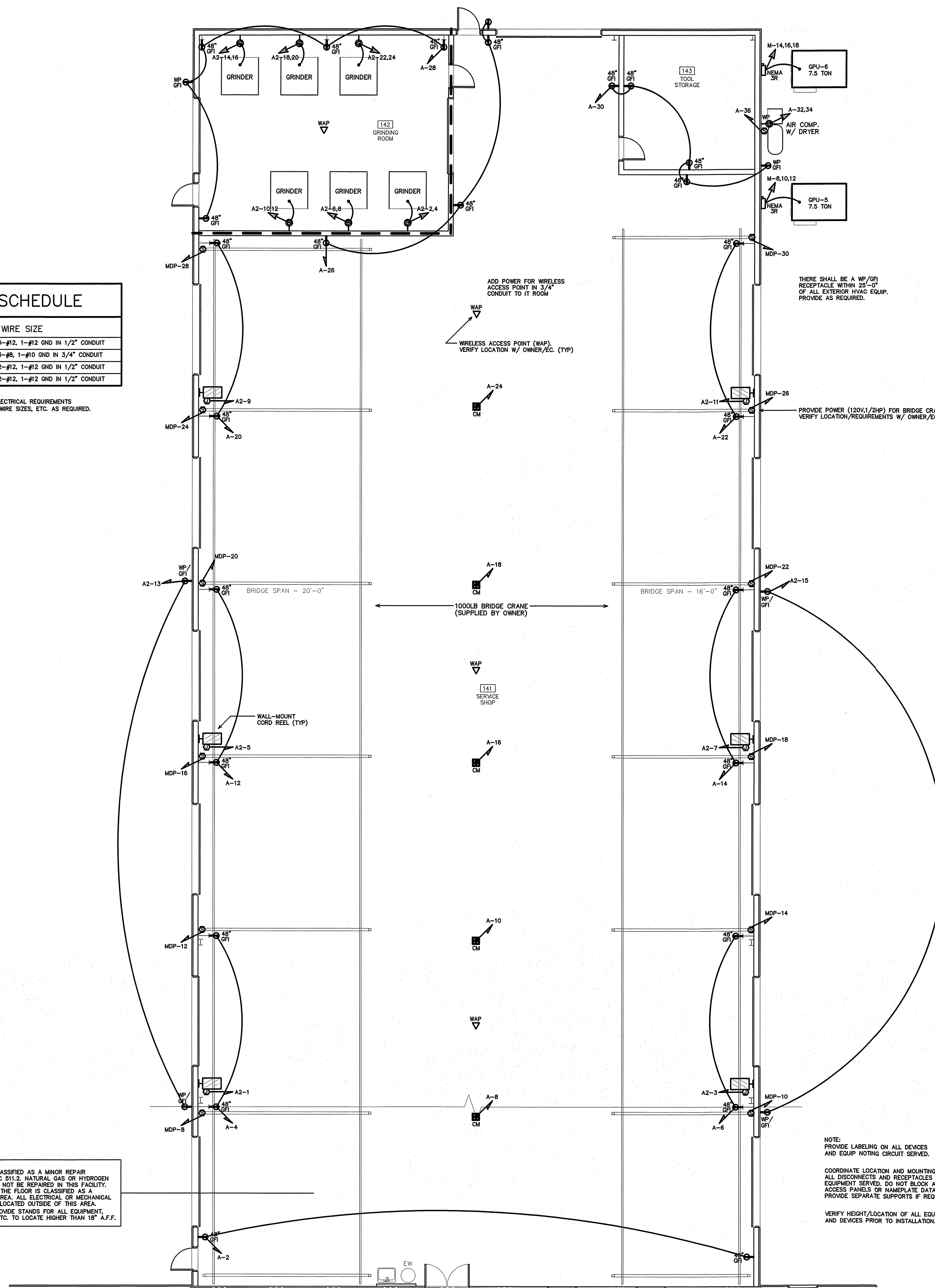


Revels E.3.1
EQUIPMENT WIRING SCHEDULE

EQUIPMENT	MCA	MOCP	VOLTS	PH	WIRE SIZE
GRINDER	12.0A	20A	240V	1	3-#12, 1-#12 GND IN 1/2" CONDUIT
AIR COMP.	31.0A	50A	240V	1	3-#8, 1-#10 GND IN 3/4" CONDUIT
AIR COMP. (DRYER)	9.1A	20A	120V	1	2-#12, 1-#12 GND IN 1/2" CONDUIT
BRIDGE CRANE	10.0A	20A	120V	1	2-#12, 1-#12 GND IN 1/2" CONDUIT

NOTE:
THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN AND RELEASING GEAR. ADJUST BREAKER, WIRE SIZES, ETC. AS REQUIRED.

NOTE:
THE SHOP AREA IS CLASSIFIED AS A MINOR REPAIR GARAGE PER 2017 NEC 511.2. NATURAL GAS OR HYDROGEN FUELED VEHICLES WILL NOT BE REPAIRED IN THIS FACILITY. THE AREA 18" ABOVE THE FLOOR IS CLASSIFIED AS A CLASS 1, DIVISION 2 AREA. ALL ELECTRICAL OR MECHANICAL EQUIPMENT SHALL BE LOCATED OUTSIDE OF THIS AREA. THE OWNER SHALL PROVIDE STANDS FOR ALL EQUIPMENT. WITH OPEN MOTORS, ETC. TO LOCATE HIGHER THAN 18" A.F.F.



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

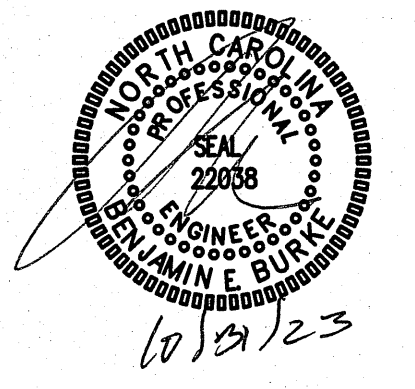
PROJECT TITLE
REVELS TURF & TRACTOR
RAWLS CHURCH RD.
FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO.
2232

DRAWING TITLE
POWER PLAN

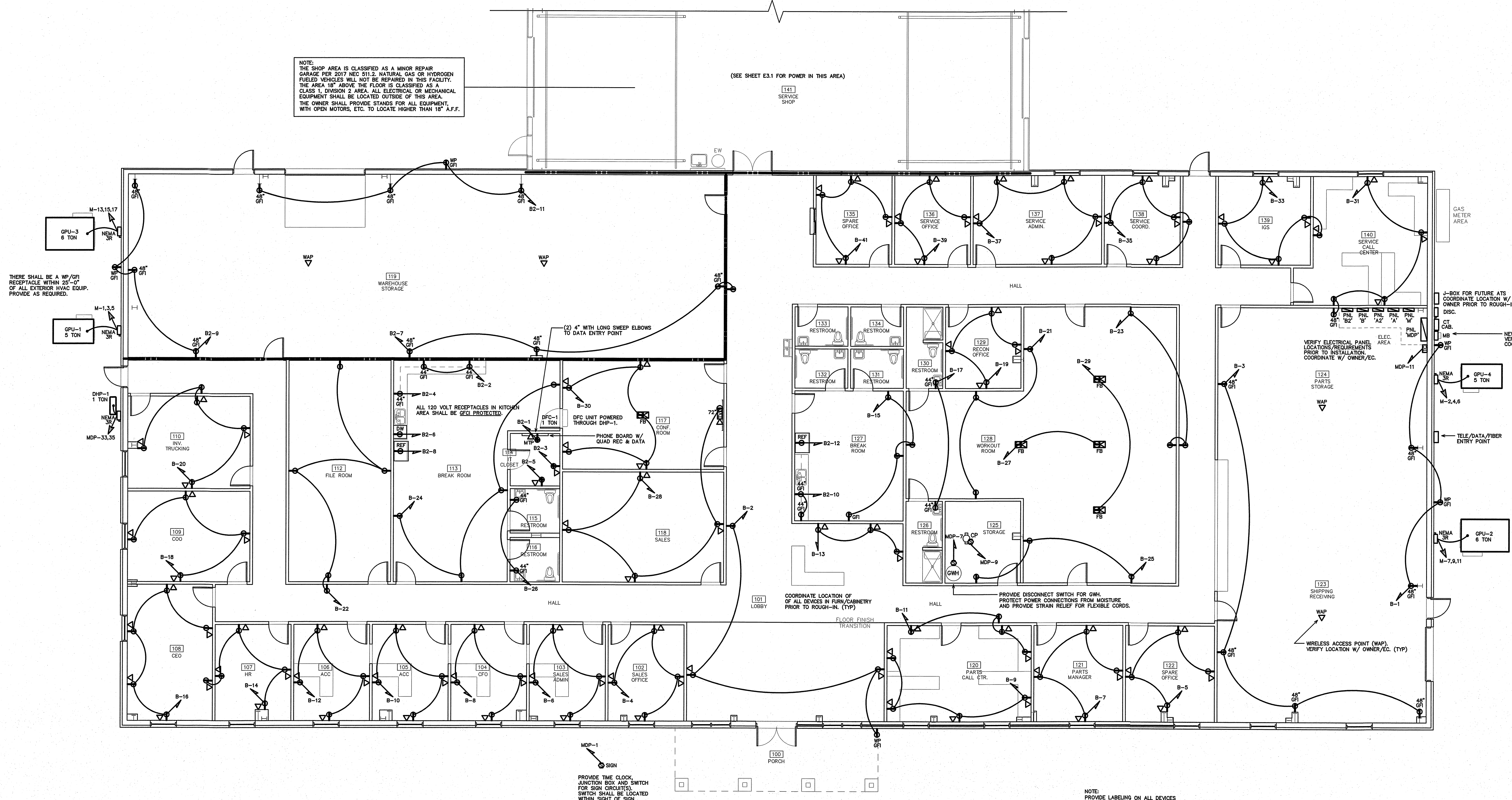
E3.1

PLOT DATE 10/30/23



NOTE:
THE SHOP AREA IS CLASSIFIED AS A MINOR REPAIR GARAGE PER 2017 NEC 511.2. NATURAL GAS OR HYDROGEN FUELED VEHICLES WILL NOT BE REPAIRED IN THIS FACILITY. THE AREA 18" ABOVE THE FLOOR IS CLASSIFIED AS A CLASS 1, DIVISION 2 AREA. ALL ELECTRICAL OR MECHANICAL EQUIPMENT SHALL BE LOCATED OUTSIDE OF THIS AREA. THE OWNER SHALL PROVIDE STANDS FOR ALL EQUIPMENT, WITH OPEN MOTORS, ETC. TO LOCATE HIGHER THAN 18" A.F.F.

(SEE SHEET E3.1 FOR POWER IN THIS AREA)



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

NOTE:
PROVIDE LABELING ON ALL DEVICES AND EQUIP NOTING CIRCUIT SERVED.
COORDINATE LOCATION AND MOUNTING OF ALL DISCONNECTS AND RECEPTACLES WITH EQUIPMENT SERVED. DO NOT BLOCK ANY ACCESS PANELS OR NAMEPLATE DATA. PROVIDE SEPARATE SUPPORTS IF REQUIRED.
VERIFY HEIGHT/LOCATION OF ALL EQUIP AND DEVICES PRIOR TO INSTALLATION.

WEATHER PROOF SWITCH SHALL BE LOCATED WITHIN SIGHT OF SIGN OR BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC 600.6. WIRE TO SPECIFIED MULTI-CIRCUIT TIMELOCK IN MAIN ELECTRICAL ROOM.
MONUMENTAL SIGN (SEE SITE PLAN FOR LOCATION)
PROVIDE 1" CONDUIT FROM BUILDING PANELS TO NEW SIGN LOCATION (COORDINATE W/ OWNER/EC).

PROJECT TITLE
REVELS TURF & TRACTOR
RAWLS CHURCH RD.
FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO.
2232
DRAWING TITLE
POWER PLAN

E3.2

PLOT DATE 10/30/23

This original sheet is 24" x 36"; other dimensions indicate it has been altered.
All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA. 2023

VERIFY PANEL LOCATION, REQUIREMENTS, AND MOUNTING TYPE. COORDINATE W/ EC. (TYP)											
NEW PANEL- 'MDP'			MAKE: EATON			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
TYPE: PBL1g			MOUNTING SURFACE			EQUIPMENT GROUND BUS			SERVICES ENTRY RATED		
OR APPROVED EQUAL			MINIMUM AIC: VERIFY			YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>		
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT BRKR	LOAD SERVICE	
SIGN	20A	1200	1		2				20A	SPARE	
SIGN	20A	1200	3		4			20A	SPARE		
SPARE	20A		5		6			20A	SPARE		
GMV CNTRLS	20A	300	7		8	1200		20A	BRIDGE CRANE		
CRIC PUMP	20A	500	9		10	1200		20A	BRIDGE CRANE		
TIMELCLOCK	20A		11		12	1200	1200	20A	BRIDGE CRANE		
CO DETECTORS	20A	100	13		14	1200		20A	BRIDGE CRANE		
CCTV/SECURITY	20A	100	15		16	1200	1200	20A	BRIDGE CRANE		
SPARE	20A		17		18		1200	20A	BRIDGE CRANE		
SPARE	20A		19		20	1200		20A	BRIDGE CRANE		
SPARE	20A		21		22	1200		20A	BRIDGE CRANE		
SPARE	20A		23		24	1200	1200	20A	BRIDGE CRANE		
SPARE	20A		25		26	1200		20A	BRIDGE CRANE		
SPARE	20A		27		28	1200	1200	20A	BRIDGE CRANE		
SPARE	20A		29		30	1200	1200	20A	BRIDGE CRANE		
DHP-1	20A	936	31		32	20598			PANEL 'A'		
PANEL 'M'	21120	936	35		36		11836		PANEL 'B'		
	225A	21120	39		40	10440		225A			
		21120	41		42	11580					
NOTES			SUB-TOTALS 'B'			22720 23856 22856			600A BUS 36678 36891 35216		
ALL PANEL SCHEDULES TO MEET NEC 408.4 REQUIREMENTS			600A LUGS 22720 23856 22856			SUB-TOTALS 'B'			TOTAL CONNECTED LOAD		
			600A FEED 59398 60747 58072			GRAND TOTAL					
			VERIFY SIZE 495A 506A 484A			AMPS/PHASE					

VERIFY PANEL LOCATION, REQUIREMENTS, AND MOUNTING TYPE. COORDINATE W/ EC. (TYP)											
NEW PANEL- 'M'			MAKE: EATON			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
TYPE: PBL1g			MOUNTING SURFACE			EQUIPMENT GROUND BUS			SERVICES ENTRY RATED		
OR APPROVED EQUAL			MINIMUM AIC: VERIFY			YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>		
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT BRKR	LOAD SERVICE	
GPU-1	40A	2800	1		2	2800			40A	GPU-4	
		2800	3		4	2800			40A	GPU-5	
GPU-2	50A	3340	7		8	4320			50A	GPU-6	
		3340	9		10	4320			50A		
GPU-3	50A	3340	11		12	4320			50A		
		3340	13		14	4320			50A		
		3340	15		16	4320			50A		
		3340	17		18	4320			50A		
SPACE			19		20					SPACE	
SPACE			21		22					SPACE	
SPACE			23		24					SPACE	
SPACE			25		26					SPACE	
SPACE			27		28					SPACE	
SPACE			29		30					SPACE	
NOTES			SUB-TOTALS 'B'			9580 9580 9580			225A BUS 11540 11540 11540		
			225A LUGS 9580 9580 9580			SUB-TOTALS 'B'			TOTAL CONNECTED LOAD		
			225A FEED 21120 21120 21120			GRAND TOTAL					
			VERIFY SIZE 176A 176A 176A			AMPS/PHASE					

EQUIPMENT WIRING SCHEDULE				
EQUIPMENT	MCA	MOCP	VOLTS	PH
GPU-1	28.0	40A	208V	3
GPU-2	33.0	50A	208V	3
GPU-3	33.0	50A	208V	3
GPU-4	28.0	40A	208V	3
GPU-5	38.0	50A	208V	3
GPU-6	38.0	50A	208V	3
DHP-1	9.0A	15A	208V	1

RISER WIRING SCHEDULE				
NO.	DESCRIPTION	CONDUIT	WIRE SIZE	NOTES
1	600A (2 SETS) 4-#350MCM, 1-#1 CU GND, IN (2) 3" CONDUIT			
2	225A 4-#14/0, 1-#4 CU GND, IN 2 1/2" CONDUIT			
3	100A 4-#5, 1-#8 CU GND, IN 1 1/4" CONDUIT			
4	#5/0 CU GND TO BUILDING STEEL, FOUNDATION STEEL AND METALLIC WATER MAIN AND #6 CU GND TO 10' X 5/8" DRIVEN GROUND ROD			
5	(2) 3" CONDUIT W/ PULL STRING			

VERIFY PANEL LOCATION, REQUIREMENTS, AND MOUNTING TYPE. COORDINATE W/ EC. (TYP)											
NEW PANEL- 'A'			MAKE: EATON			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
TYPE: PBL1g			MOUNTING SURFACE			EQUIPMENT GROUND BUS			SERVICES ENTRY RATED		
OR APPROVED EQUAL			MINIMUM AIC: VERIFY			YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>		
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT BRKR	LOAD SERVICE	
LTS: EXT	20A	830	1		2	380			20A	REC: SHOP	
LTS: EXT	20A	816	3		4	380			20A	REC: SHOP	
LTS: SHOP	20A	1088	5		6	380	380	20A	REC: SHOP		
LTS: SHOP	20A	1088	7		8	380	380	20A	REC: SHOP		
LTS: SHOP	20A	1088	9		10	380	380	20A	REC: SHOP		
LTS: SHOP	20A	1088	11		12	380	380	20A	REC: SHOP		
LTS: SHOP	20A	1088	13		14	380	380	20A	REC: SHOP		
LTS: SHOP	20A	1360	15		16	380	380	20A	REC: SHOP		
LTS: GRINDING, TOOLS	20A	1088	17		18	380	380	20A	REC: SHOP		
LTS: WAREHOUSE, STOR	20A	1224	19		20	380	380	20A	REC: SHOP		
LTS: WAREHOUSE, STOR	20A	1224	21		22	380	380	20A	REC: SHOP		
LTS: PARTS STOR	20A	816	23		24	380	380	20A	REC: SHOP		
LTS: SHIPPING/RECEIVING	20A	816	25		26	720		20A	REC: SHOP		
LTS: PARTS, HALL	20A	1240	27		28	900	900	20A	REC: GRINDING		
LTS: LOBBY/BREAK-HALL	20A	1032	29		30	3600	900	20A	REC: SHOP, TOOLS		
LTS: WORKOUT	20A	1032	31		32	3600	50A	AIR COMP.			
LTS: RECON, RESTROOMS	20A	960	33		34	3600					
LTS: SERVICE	20A	1104	35		36		1092	20A	AIR COMP. DRIVER		
LTS: OFFICES	20A	960	37		38	8000			PANEL 'A2'		
LTS: SALES, CONF	20A	1024	39		40	8000		100A			
LTS: BREAK, FILE, HALL	20A	1160	41		42	8000					
NOTES			SUB-TOTALS 'B'			225A BUS 13760 13940 11432			SUB-TOTALS 'A'		
			225A LUGS 8838 7711 7404			SUB-TOTALS 'B'			TOTAL CONNECTED LOAD		
			225A FEED 20988 21681 18836			GRAND TOTAL					
			VERIFY SIZE 172A 180A 187A			AMPS/PHASE					

VERIFY PANEL LOCATION, REQUIREMENTS, AND MOUNTING TYPE. COORDINATE W/ EC. (TYP)											
NEW PANEL- 'A2'			MAKE: EATON			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
TYPE: PBL1g			MOUNTING SURFACE			EQUIPMENT GROUND BUS			SERVICES ENTRY RATED		
OR APPROVED EQUAL			MINIMUM AIC: VERIFY			YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>		
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT BRKR	LOAD SERVICE	
CORD REEL	20A	1000	1		2	1500			20A	GRINDER	
CORD REEL	20A	1000	3		4	1500			20A	GRINDER	
CORD REEL	20A	1000	5		6	1500	1500	20A	GRINDER		
CORD REEL	20A	1000	7		8	1500	1500	20A	GRINDER		
CORD REEL	20A	1000	9		10	1500	1500	20A	GRINDER		
CORD REEL	20A	1000	11		12	1500	1500	20A	GRINDER		
REC: EXTERIOR	20A	380	13		14	1500		20A	GRINDER		
REC: EXTERIOR	20A	380	15		16	1500		20A	GRINDER		
SPARE	20A		17		18	1500	1500	20A	GRINDER		
SPARE	20A		19		20	1500	1500	20A	GRINDER		
SPARE	20A		21		22	1500	1500	20A	GRINDER		
SPARE	20A		23		24	1500	1500	20A	GRINDER		
SPARE	20A		25		26						
SPARE	20A		27		28						
SPARE	20A		29		30						
NOTES			SUB-TOTALS 'B'			100A BUS 6000 6000 6000			SUB-TOTALS 'A'		
			100A LUGS 2000 2000 2000			SUB-TOTALS 'B'			TOTAL CONNECTED LOAD		
			100A FEED 8000 8000 8000			GRAND TOTAL					
			VERIFY SIZE 67A 67A 67A			AMPS/PHASE					

VERIFY PANEL LOCATION, REQUIREMENTS, AND MOUNTING TYPE. COORDINATE W/ EC. (TYP)											
NEW PANEL- 'B'			MAKE: EATON			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
TYPE: PBL1g			MOUNTING SURFACE			EQUIPMENT GROUND BUS			SERVICES ENTRY RATED		
OR APPROVED EQUAL			MINIMUM AIC: VERIFY			YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>		
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT BRKR	LOAD SERVICE	
REC: SHIPPING, PARTS	20A	720	1		2	720			20A	REC: EXT, LOBBY	
REC: SHIPPING, PARTS	20A	720	3		4	720	720	20A	REC: SALES OFFICE		
REC: OFFICE	20A	720	5		6	720	720	20A	REC: SALES ADMIN		
REC: PARTS MANAGER	20A	720	7		8	720	720	20A	REC: CFO		
REC: PARTS CALL CTR	20A	720	9		10	720	720	20A	REC: ACC		
REC: PARTS CALL CTR	20A	720	11		12	720	720	20A	REC: ACC		
REC: LOBBY	20A	540	13		14	900	900	20A	REC: HR		
REC: BREAK	20A	720	15		16	900	900	20A	REC: HR		
REC: RESTROOM	20A	360	17		18	720	720	20A	REC: COO		
REC: OFFICE	20A	720	19		20	900	900	20A	REC: TRUCKING		
REC: WORKOUT	20A	540	21		22	900	900	20A	REC: FILE ROOM		
REC: WORKOUT	20A	540	23		24	720	720	20A	REC: BREAK		
REC: WORKOUT	20A	540	25		26	380	380	20A	REC: RESTROOM		
REC: WORKOUT	20A	360	27		28	900	900	20A	REC: SALES		
REC: WORKOUT	20A	360	29		30	900	900	20A	REC: CONF		
REC: SERVICE CALL CTR	20A	900	31		32						
REC: BUS	20A	900	33		34						
REC: SERVICE COORD	20A	900	35		36						
REC: SERVICE ADMIN	20A	900	37		38	2840					
REC: OFFICE	20A	720	39		40	1820	100A				
REC: OFFICE	20A	720	41		42	3480					
NOTES			SUB-TOTALS 'B'			225A BUS 6240 5760 7280			SUB-TOTALS 'A'		
			225A LUGS 5040 4680 4320			SUB-TOTALS 'B'			TOTAL CONNECTED LOAD		
			225A FEED 11280 10440 11580			GRAND TOTAL					
			VERIFY SIZE 64								