#	Rv #	ELECTRICAL CRITERIA - GENERAL CONDITIONS	Check Off
EC-01	-	PERMITS & FEES: Secure & pay for all fees, licenses, permits, inspections. Submit Copy Of Each Permit	
EC-02	-	LICENSE(S)-BUSINESS: This Contactor Shall Be Properly Licensed Business Wise, In This Project State, In Accordance With All Applicable State Laws. Submit Copies Of Business License(s).	
EC-03	-	BONDING & INSURANCE(s): This Contactor Shall Be Properly Bonded And Insured In Accordance With The General & Supplements Requirement Of The Project Document. Submit Copies Of All Such Documents.	
EC-04	-	COORDINATION OF OTHER TRADES- This contractor is responsible for coordinating with all other trades for the proper installation of this work, maintaining required clearances, and confirming the electrical characteristics and requirement of electrical power equipment of other trades (prior to ordering equipment). Submit Copies Of All Such Documents.	
EC-05	-	MANUFACTURERS, ALTERNATES & SUBSTITUTIONS- Components & products are to be provided matching the prescribed characteristics, features, performance, types, etc. based on the Manufacturer & Series as given. NO After-"Bid" Alternates, Changes Or Substitutions Accepted Or Allowed. Prior-To-Bid Request For Acceptance Must Be Submitted To Architect & Engineer NO-LESS Than Two-Business-Weeks Prior To Bid Date. Request-For-Acceptance Must Include Complete & Marked Product Data Indicating Full Matching Compliance. Any Variations Must Be Marked & Noted. Acceptance Will Be At The Description Of The A/E Judgment.	
EC-06	-	SUBMITTALS- Provide compete submittals on all items. Mark & indicate specific items to be used. Submit prior to finalizing orders. Submit three sets min., or per General Conditions.	
EC-07	-	WARRANTY- This contractor shall warrant all materials, labor & installation for one full year from date of Substantial Completion. Any extended product warranties shall be passed onto the owner.	
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		End Of Electrical Criteria - General Conditions	

#	Rv #	ELECTRICAL CRITERIA - BASICS CRITERIA	Check Off
EB-01	-	GENERAL- Provide a complete electrical system, left in proper working order. Provide herein means installed completely, including labor & materials.	
EB-02	-	LICENSE(S)-ELECTRICAL: This Contactor Shall Be Fully Licensed To Perform Electrical Work, In This Project State, For The Type Of Work To Be Performed In Accordance With All Applicable State Laws. Submit Copies Of Electrical License(s).	
EB-03	-	CODES - Meet & comply with all prevailing Federal, State, County & City Codes Including NEC (NFPA-70); ICC-IBC & any Ga Amendments; ICC-IEC & any Ga Amendments.	
EB-04	-	PERMITS & FEES: Secure & pay for all fees, licenses, permits, inspections. Submit Copy Of Each Permit	
EB-05	-	COORDINATION OF POWER UTILITY- Coordinate & verify, in writing, with the utility power company, confirming the electrical power arrangements, characteristics (Voltage, Phase, Transformer Type & KVA, Fault-Current, Etc.), metering arrangement and equipment locations. Copy Own/ Archt/ Engr.	
EB-06	-	COORDINATION OF LV COMMUNICATIONS UTILITY- Coordinate & verify, in writing, with the LV Communications Utility Company, confirming the LV Com Service routing, conduit quantity & sizes, termination locations, and other related requirements.	
EB-07	-	PROVISIONS TO BE INCLUDED- Labor, supplies and materials, tools, equipment, etc.; installation of all electrical equipment & connections; coordination with other trades; material shipping, delivery, receiving, storage, & protection; excavation, backfilling, cutting, patching and cleaning; guarantee for one year, plus any extended manufacturer's warranties; as-built reproducible Mylar record documents.	
EB-08	-	MATERIALS- All materials shall be new, currently manufactured, U.L. labeled, and meet all industry standards. Label all equipment. Provide 3000 PSI class concrete for bases and backfill. Provide 3/4" thick A/D fire retardant grade backboards. Provide all support hardware and systems for electrical work. Fire/smoke seal each penetration of any rated barrier (floor, wall, etc.).	
EB-09	-	MOTORS & CONTROLS- Motors are furnished and installed under other specification sections. Control and interlock wiring is furnished and installed under other specification sections. Individually mounted starters are furnished under other sections, mounted and power wiring connections provided under this section.	
EB-10	-	ELECTRICAL CONNECTIONS- Provide power wiring complete to all items. Coordinate actual equipment characteristics with drawing. Provide backboards for equipment mounting. Label all equipment and over-current protective devices with equipment name, voltage, ratings, and O.C.P. ratings.	
EB-11	-	INSTALLATION STANDARDS: All electrical work shall be installed in accordance with the NEC, NEIS (Nat. Electrical Installation Stds..), related codes and the manufacturer's published requirements.	
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		End Of Electrical Criteria - Basic Materials & Methods	

#	Rv #	ELECTRICAL CRITERIA - BONDING & GROUNDING	Check Off
EG-01	-	BONDING & GROUNDING GENERAL: Provide components, conductors, fittings and hardware to provide for an electrical system that is completely bonded and grounded with the NEC and these requirements	
EG-02	-	GENERAL REQUIRMENTS: Provide for the complete Bonding & Grounding of the entire electrical system, including bonding for communication systems.	
EG-03	-	BUILDING BONDING: Provide for the Bonding together of all metallic systems in the facility, including but not limited to, structural steel, slab rebar, water piping, fire-protection piping, gas piping, HVAC system piping.	
EG-04	-	SUBMITTALS- Provide compete submittals on all items. Mark & indicate specific items to be used. Submit prior to finalizing orders. Submit three sets min., or per General Conditions.	
EG-05	-	GROUNDING IN-GRADE CONDUCTORS: Bare, Tin-Plated Copper Of Size & Rating As Scheduled or Required.	
EG-06	-	BONDING & GROUNDING CONDUCTORS:- #10 and smaller - solid copper THHN/THWN Green Jacket Color; #6 & 8 - stranded copper THHN/THWN black jacket; #4 & larger - stranded copper THHN/THWN identified with Green Tape.	
EG-07	-	CONNECTIORS, IN-GRADE TYPE: UL Labeled for the application, location & use. Heavy-Duty Pure Wrought Copper fitting & devices. Compression type connections. BURNDY HYGROUND Series or Equivalent.	
EG--08	-	CONNECTIONS, COPPER- Twist on type for #8 and smaller copper conductors. Set screw/bolted type for #4 and larger copper conductors. Completely insulate each connection, splice, termination.	
EG-09	-	GROUND RODS (ERITECH 683400 Rod): Provide 10 Foot Long, 0. 75 In Diameter, Tin-On-Copper 10 Mil. Plated Steel Pointed Ground Rod, driven into earth with top 18 Inches below finished grade with inspection/ test well cover, top flush with grade. ANSI/UL-467 & ANSI/ NEMA-GR1. Mechancial Direct-Burial Ground Connector or Exothermic-Weld all ground cables to rods.	
EG-10	-	GROUND ROD INSPECTION WELLS/ ERITECH Wells - Where indicated or required, provide Ground Rod Inspection/ Test Well & Cover, top flush with grade.	
EG-11	-	MASTER GROUND BAR (MGB) (BURNDY BBB or ERICO TGB/TMGB)- Provide bare solid Alloy 110 Cu bus bar, electro-tin-plated, with pre-punched holes for two-bolt ground lugs, mounted on stainless steel brackets with insulated flame-resistant stand-offs. 0.25 Inch Thick, 4 Inch High, 20 Inch Long. UL 467 & C22.2 Listed. Anchor to structural wall at height as indicated or noted. Connection to this bar shall be by two-hole bolt lugs, exothermic welded or irreversible crimp connected to the respective cable. Locate at or near the electrical service main disconnect. Label MASTER GROUND BAR	
EG-12	-	ISBT (Inter-System-Bonding-Termination) GROUND BAR (ISBT) (ILSCO PET or Equal): Provide dual-rated, 8-hole lug with 2-predrilled mounting holes. Attach to each TELCO backboard for bonding of LV systems by others. Label ISBT GRND.	
EG-13	-	INSTALLATION STANDARDS: All bonding & grounding shall be installed in accordance with the NEC, NEIS (Nat. Electrical Installation Stds.), related codes and the manufacturer's published requirements.	
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		End Of Electrical Criteria - Bonding & Grounding	

#	Rv #	ELECTRICAL CRITERIA - CONDUITS, BOXES & FITTINGS	Chk Off
ER-01	-	GENERAL- All wiring for power and systems shall done in accordance with the applicable codes. All materials shall be U.L. labeled, matched for proper applications and installed in accordance with U.L. & manufacturer's requirements.	
ER-02	-	SUBMITTALS- Provide compete submittals on all items. Mark & indicate specific items to be used. Submit prior to finalizing orders. Submit three sets min., or per General Conditions.	
ER-03	-	GENERAL UNDERGROUND- All underground, in-slab, exterior and exposed or surface mounted wiring shall be in conduits, unless otherwise directed.	
ER-04	-	GENERAL CONCEALED- All wiring shall be concealed where possible (i. e. -above ceilings, in walls, in slabs, or underground).	
ER-05	-	GENERAL EXPOSED- Exposed conduits shall be routed as high as possible and parallel or perpendicular to structural elements.	
ER-06	-	GENERAL BOXES- Provide boxes for all connections, devices, system, etc. Coordinate box sizes with structure to which it will be secured. Coordinate the exact final box location with the architectural/interior drawings prior to rough-in of box.	
ER-07	-	CONDUITS, IMC- conduit & fittings shall be utilized for exterior exposed locations and interior exposed locations subject to damage.	
ER-08	-	CONDUITS, EMT- EMT conduit & fittings shall be utilized for in slabs not on grade, concealed dry interior locations, interior exposed locations above 10'0" A. F. F.with set screw fittings indoor concealed dry locations and compression raintight fittings in slabs, and damp locations.	
ER-09	-	CONDUITS, PVC- conduit & fittings shall be utilized in slabs on grade, conduits in earth. PVC fittings, boxes, etc. shall be of same manufacture with solvent bond. Depth per code.	
ER-10	-	CONDUITS, FLEXIBLE- Flexible metallic conduit & fittings shall be utilized where motion or vibrations are encountered. Liquid-tight type flex shall be used in damp or wet locations, (i. e. - outdoors, kitchens, areas subject to wash down, shops & industrial areas, etc.). Provide ground wire in all flex.	
ER-11	-	CONDUIT MISC. FITTINGS- Conduit expansion/deflection fittings shall be utilized where crossing expansion joints, floating slabs or isolated slabs. Conduit thru wall seals shall be utilized where crossing between interior/exterior or damp locations. Conduit fire seals shall be utilized where passing thru fire rated construction, U. L. fire and smoke seal to maintain the fire rating of the barrier.	
ER-12	-	CONDUIT BOXES- Utilize interior stamped steel for indoors dry flush mounted devices. Masonry/tile for indoors dry flush mounted devices. Concrete boxes for flush mounting in poured concrete. Cast metal boxes for surface mounted devices, or damp/wet locations. Junction & pull boxes as required or needed. Galvanized steel wire-ways with hinged front cover, only permitted where noted.	
ER-13	-	FLOOR BOXES - Utilize flush-in-floor type, adjustable post-pour, PVC base with brass flip-lid covers. Gang qty to match application & conduit entries., Covers to match device types. Hubbell, Steel City or Wiremold	
ER-14	-	SIESMIC BRACING & SUPPORT- All work shall be anchored, braced & supported in accordance with he Local Seismic Zone rating requirements.	
ER-15	-	INSTALLATION STANDARDS: Each item shall be installed in accordance with the NEIS (Nat. Electrical Installation Stds.), NEC & related codes and the manufacturer's published requirements.	
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		End Of Electrical Criteria - Conduits, Boxes & Fittings	

#	Rv #	ELECTRICAL CRITERIA - LOW VOLTAGE CONDUCTORS	Chk Off
EC-01	-	CONDUCTORS GENERAL: Provide conductors for all circuiting, wiring and systems.	
EC-02	-	SUBMITTALS- Provide compete submittals on all items. Mark & indicate specific items to be used. Submit prior to finalizing orders. Submit three sets min., or per General Conditions.	
EC-03	-	CONDUCTORS COLOR CODED: Each conductor shall be properly color coded to represent it's respective phase, neutral, ground, etc. Wire sizes #12 thru #8 shall have continuous color-coded jacket. Larger wire sizes shall have colored tape at each termination, pull-box, etc.	
EC-04	-	CONDUCTOR LABELING: Each circuit labeled on the conductor and at each box.	
EC-05	-	CONDUCTORS, COPPER- #12 & #10 - solid copper THHN/THWN color coded; #6 & 8 - stranded copper THHN/THWN black jacket; #4 & larger - stranded copper THHN/THWN. No conductors less than #12 Cu allowed, unless specifically noted or control wiring.	
EC-06	-	CONDUCTORS, ALUMINUM- Aluminum (AL) not permitted unless noted. Where noted, conductors shall be compact strand type, THHN/ THWN.	
EC-07	-	CONNECTIONS, COPPER- U.L. Listed, 600V, 90C rated; Twist on type for #8 and smaller copper conductors. Set-Screw, Bolted or Compression type for #4 and larger copper conductors. Completely insulate each connection, splice, termination.	
EC-08	-	CONNECTIONS, ALUMINUM- U.L. Listed, 600V, 90C rated, compression, split-bolt, or set-screw type(s),for Aluminum or Dual-Rated. Completely insulate each connection, splice, termination.	
EC-09	-	CONNECTIONS, DAMP & WET LOCATION- UL Listed 486D type connector for damp & wet locations, sealant filled type. IDEAL Model 66 or Equal	
EC-10	-	CONNECTIONS, IN-GRADE, UNDER-GROUND, SUBMERSIBLE, WATER-TIGHT- UL Listed 486D, 600V, 90C rated for In-Grade, Direct-Burial, Submersible.	
EC-11	-	GROUNDING CONNECTIONS, IN-GRADE, UNDER-GROUND, SUBMERSIBLE- UL 467 Listed, 90C rated, Compress Or Bolt Type With Inhibiting compound; For Use In Earth or Concrete.	
EC-12	-	METAL-CLAD (MC) CABLE (CONCEALED WIRING)- Contractor may utilize Metal-Clad (Type MC) for interior concealed branch circuit wiring in accordance with the code. All materials, fittings, hardware, etc. shall be U.L. labeled for use with MC cable and properly installed and supported. Type MC cable shall have an integral full length ground conductor, bonded to a ground lug or terminal at each end.	
EC-13	-	INSTALLATION STANDARDS: All wiring & connects shall be installed in accordance with the NEIS (Nat. Electrical Installation Stds.), NEC & related codes and the manufacturer's published requirements.	
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		End Of Electrical Criteria - Low Voltage Conductors	

#	Rv #	ELECTRICAL CRITERIA - LOW VOLT. ELECT. DISTRIB. GEAR	Chk Off
		GENERAL ITEMS	
ED-01	-	GENERAL- Provide Low-Voltage Electrical Distribution Gear as required to provide for a complete system to distribute electrical power.	
ED-02	-	ELECTRICAL RATINGS- Prior to ordering or submitting any electrical distribution equipment, verify all equipment ratings (Voltages, Phase, Short-Circuit With-Stand & Interrupting Ratings).	
ED-03	-	EQUIPM. DIMENSIONS, CLEARANCES & ACCESS: Prior to ordering or submitting any electrical distribution equipment, verify dimensions, space requirements, clearances, access and interference with work of other trades.	
ED-04	-	SUBMITTALS- Provide compete submittals on all items. Mark & indicate specific items to be used. Submit prior to finalizing orders. Submit three sets min., or per General Conditions.	
		LABELING & INSTALLATION	
ED-10	-	EQUIPMENT LABELS: Provide Engraved Melamine Equipment Labels, Adhesive Attached To The Items Face Or Interior Cover. Label To Include Equipment Name, Voltage(s) And OCP Device Ratings If Applicable.	
ED-11	-	SAFETY & WARNING LABELS: Provide Clear & Legible Safety & Warning Labels On Each Item Of Electrical Distribution Gear As Required By The NEC, OSHA & Other Regulations.	
ED-12	-	ARC-FLASH LABELS: Provide Clear & Legible Arc-Flash Labels On Each Item Of Electrical Distribution Gear, Giving The Minimum Ratings, Arc-Flash Energy Level & Required PPE For Each Specific Location.	
ED-13	-	SIESMIC BRACING & SUPPORT- Equipment shall be anchored, braced & supported in accordance with he Local Seismic Zone rating requirements.	
ED-14	-	INSTALLATION STANDARDS: Each item shall be installed in accordance with the NEIS (Nat. Electrical Installation Stds.), NEC & related codes and the manufacturer's published requirements.	
		LOW VOLTAGE OVER-CURRENT PROTECTIVE DEVICES	
ED-21		OCP GENERAL- Provide over-current-protective (O.C.P.) devices as required by code and/or otherwise prescribed. All lugs and terminals 60/75 deg. C rated.	
ED-22		MOLDED CASE (MC) CIRCUIT BREAKERS- Thermal-magnetic, bolt-in, quick-make/quick-break type. Trip free operation with ON, OFF & TRIPPED position. Monolithic tie-handle common trip and common reset multi-pole breakers. Trip rating molded on handle or face. Lugs to match cable type terminations. Single pole 15 and 20 ampere breakers to be "SWITCHING" rated.	
ED-23		DISCONNECT REQUIRMENTS - NEMA 1 enclosure indoors, NEMA 3R for damp/wet locations. Voltage, poles, amperage, fusible as required. Equipped with both isolated neutral and ground lugs. Class H, J, R or T fuse with rejection features. Provide switch label.	
ED-24		DISCONNECTS 30AMP. – 200AMP (240V Max) - Labeled per UL #98. NEMA KS1 general duty type, load make/break rated. Interrupting rating of 100,000 RMS amps (with R/ T fuse).	
ED-25		DISCONNECTS 400 & 600 AMPERES - Labeled per UL #98. NEMA KS-1 heavy duty type, load make/break rated. Interrupting rating of 200,000 RMS amps (with fuse).	
ED-26		DISCONNECT OVER 600 AMPERES- Labeled per Ulf #977, bolted pressure or high pressure contact type. NEMA heavy duty type, load make/break rated. Accept Class L fuses (as required). Interrupting rating of 200,000 RMS (with fusing). Manual close - manual/electric trip open. Load side phase under voltage detection/trip. Zero sequence GFCI on switches 1000A @ 277 and greater.	
ED-27		FUSES- Fuses shall be of same make, manufacturer, type & rating where providing two or three wire O.C.P. at a device. Provide Busman LOW-PEAK KRP-C. fuses (U.L. 198 C Class L) for protection over 600 amperes. Provide Busman LOW-PEAK LPN-RK (250V) or LPS-RK (600V) (U.L. 198E Class RK1) for protection up to 600 amperes.	
		PANELBOARDS	
ED-30		PANELBOARDS GENERAL- Provide dead front design with hinged & locking front cover door, NEMA 1 cabinet unless otherwise noted and with devices as scheduled. Voltage, phase, ampacity and devices as scheduled. Service entrance rated as applicable. Series rated and labeled, unless indicated otherwise. Flush or surface mounted NEMA 1 enclosure. All lugs & terminals 60/75 deg. C rated.	
ED-31		PANELBOARD STANDARDS- Labeled UL 67 and 50 (Cabinets, Boxes & Trim); NEMA 250 and PB1; NFPA 70-384 and 373; Federal Specs. W-P-115c; Circuit Breakers- Type I Class 1 & Fusible Switches- Type II, Class 1.	
ED-32		SHORT CIRCUIT RATING & ARC-FLASH LABELS: Match or exceed the Available Short Circuit Current available at the actual panel location; Properly label with Arc-Flash Energy Level & protective requirements (PPE).	
ED-33		PANELBOARD INTERIOR- Factory assembled, double row construction. Staggered numbering, sequence phased. Tin-plated copper or aluminum busing. Full ampacity phase & neutral bus, 50% ground bus.	
ED-34		OCP DEVICES, COMPONENTS, ETC: Provide all over-current-devices and other components and related as scheduled and / or required. Refer to panel schedule for details. Refer to Over-Current Protective (OCP) devices criteria.	
ED-35		PANEL DIRECTORIES - All Panel Directories Shall Be Current, Fully Detailed & Legible Per NEC-110.22 & 408.4(A)	
		SWITCHBOARDS	
ED-40		SWITCHBOARDS GENERAL- Provide equipment with dead front design and with devices as scheduled. Voltage, phase, ampacity and devices as scheduled. Service entrance rated as applicable. Free-Standing, NEMA 1 enclosure unless otherwise required. All lugs & terminals 60/75 deg. C rated.	
ED-41		SWITCHBOARD STANDARDS- The equipment and all installed components shall be UL Listed & Labeled. Labeled UL 891; NEMA 250 and PB2; NFPA 70-384 and 373; Federal Specs. W-P-115c; Circuit Breakers- Type I Class 1 & Fusible Switches- Type II, Class 1.	
ED-42		SHORT CIRCUIT RATING & ARC-FLASH LABELS: Match or exceed the Available Short Circuit Current available at the actual panel location; Properly label with Arc-Flash Energy Level & protective requirements (PPE).	
ED-43		SWITCHBOARD INTERIOR- Factory preassembled, sequence phased. Tin-plated copper or aluminum busing unless otherwise noted. Full ampacity phase & neutral bus, 50% ground bus.	
ED-44		OCP DEVICES, COMPONENTS, ETC: Provide all over-current-devices and other components and related as scheduled and / or required. Refer to panel schedule for details. Refer to Over-Current Protective (OCP) devices criteria.	
ED-45		CIRCUIT DIRECTORIES - All Circuit Directories Shall Be Current, Fully Detailed & Legible Per NEC-110.22 & 408.4(A)	
		TRANSFORMERS	
ED-50		TRANSFORMERS GENERAL- Provide dead-front dry-type transformer. Labeled per UL #506, conform with NEMA #250, #ST20 and TR27. General purpose air-cooled dry-type construction. Size, capacity, primary and secondary voltage, as indicated. NEMA 1 enclosure for indoor dry locations, NEMA 3R enclosure for damp/wet locations. Dead-front construction with removable covers. Maximum temperature rise by resistance of 115 degrees C. in a 40 degrees C. ambient. 75 degrees C. maximum terminal compartment with 60/75 degree C. lugs to match the conductor types. Two 2-1/2% above normal and four 2-1/2% below normal full capacity winding taps.	
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		End Of Electrical Criteria - Low Voltage Electrical Distribution Gear	

#	Rv #	ELECTRICAL CRITERIA - LIGHTING FIXTURES	Chk Off
EL-01	-	GENERAL- Provide a complete system of lighting, including but not limited to, lighting fixtures, lamps, lighting controls, hardware, support and related wiring. The lighting system shall be installed complete & left in proper operation & function.	
EL-02	-	PRE_SUBMITTAL COORDINATION - Prior to issuing product submittals and / or ordering this contractor shall review & coordinate the specific construction each fixture is to be installed in, any Fire-Ratings, fixture mounting & support, & attachment methods, & ballast voltages. Dimmed fixtures shall be coordinated with their respective dimmer controls for comp ability. Fixtures that are to be fitted to Architectural features (i.e.-coves, slots, etc.) shall be coordinated with the respective trades prior to submitting.	
EL-03	-	SUBMITTALS - Prepare & submit project specific product documentation, including but not limited to , fixture cut-sheets with all model numbers, features & option indicated; specific lamps type(s). Custom type fixtures shall include the manufacturers shop fabrication drawings.	
EL-04	-	CODES & REQUIRMENTS- Each fixture shall be U.L. Labeled. Comply with the requirement of the NEC. Installation shall comply with the N.E.I.S. Emergency Lighting & Egress Signage shall comply with NFPA-101.	
EL-05	-	ENERGY EFFICENCY CODES- Each fixture shall conform with energy code requirements.	
EL-06	-	MANUFACTURERS SERIES- The Lighting Fixture Schedule describes the fixture type, features, lamp(s), and other characteristics that is to be provided. The Manufacturer's Model Number are provided as a reference to the grade, quality, features & components required. It is the responsibility of this Contractor to verify with the Manufacturer the actual final correct fixture make & model number required and to be submitted.	
EL-07	-	MANUFACTURER(S) BASIS - The projects base quote shall be based on the prescribed Manufacturer(s) as identified in the Lighting Fixture Schedule.	
EL-08	-	ALTERNATE MANUFACTURER(S) - Alternate Manufacturer(s) products may be proposed as Add / Deduct Alternate to the Original Base Bid (Post Bid Proposals Not Accepted). The alternate proposal shall be supported with complete fixture and lamp data / cut-sheets with the specific model, features & characteristics indicated. Any variation from the Lighting Fixture Schedule shall be noted / indicated.	
EL-09	-	LAMPS- Lamps shall be a scheduled & Full Light Output, Energy Saving. Lamps shall be by General Electric, Philips, or Osram /Sylvania unless otherwise noted.	
EL-10	-	LAMPS COLOR & CRI- Lamps, unless otherwise noted, shall be a 30k-35k Color and CRI of 80+ for Fluorescents & 90+ for LEDs.	
EL-11	-	LED LAMPS- Shall be UL Labeled (#8750 & 1598c), tested & performance rated per ANSI/ ANSLG, CIE, FTC, FCC, IES (LM-79, LM-80 & Related), NEMA	
EL-12	-	LINEAR FLUORESCENT BALLAST- Shall be rated & matched to the specific lamp type(s) it serves, High Power Factor, Full Light Output, Energy Saving Electronic Type. Ballast shall be Multi-Volt (120-480) or Universal Voltage (120/277) & 10% THD or less.	
EL-13	-	COMPACT FLUORESCENT LAMP (CFL) BALLAST- Shall be rated & matched to the specific lamp type(s) it serves, High Power Factor, Full Light Output, Energy Saving Electronic Type. Ballast shall be Multi-Volt (120-480) or Universal Voltage (120/277) & 10% THD or less.	
EL-14	-	HIGH INTENSTIY DISCHARG (HID) BALLAST- Shall be rated & matched to the specific lamp type(s) it serves, High Power Factor, Full Light Output, Energy Saving Type. Ballast shall be Multi-Volt (120-480) or Universal Voltage (120/277) & 10% THD or less.	
EL-15	-	DIMMING BALLAST & CONTROLS- Provide fixtures with dimming type ballast as prescribed. The Ballast & Controls shall be fully coordinate & matched for proper system operation.	
EL-16	-	EBIS (EMERGENCY BATTERY/ INVERTERS SYSTEMS) FOR FLUORESCENT LAMPS- Provide Battery/ Inverter units where shown or required for emergency egress lighting in accordance with NFPA-101 & NEC. 90 Minute operation (min.) unless otherwise noted. U.L. Listed & Labeled.	
EL-17	-	EBIS FEATURES- EBIS units shall be Self-Diagnostic, Automatic Testing with Audio & Visual alarm notification of trouble conditions. If the above feature is not available, provide Manual Test Switch w/ Indicator Lamp.	
EL-18	-	EBIS TEST FEATURES- units shall be Self-Diagnostic, Automatic Testing with Audio & Visual alarm notification of trouble conditions.	
EL-19	-	EBIS LINEAR LAMP PERFROMANCE - The EBIS shall provide the following minimum Lumen outputs. 48 Inch, 14-32 Watt lamps @ 1100-1400 Lumens. 48 Inch T5 20-55 Watt @ 1800-3000 Lumens	
EL-20	-	EBIS CFL LAMP PERFROMANCE - The EBIS shall provide the following minimum Lumen outputs. CFL 09-13 Watt, 2-Piin @ 350-650 Lumens. CFL 13-26 Watt, 2-Pin @ 500-950 Lumens; CFL 09-42 Watt 4-Pin @ 1100-1400 Lumens.	
EL-21	-	FIXTURE MOUNTING & SUPPORT- Each fixture shall be supported from the ceiling structure (verify ceiling structural capacity) or directly from building structure. Secure fixture to ceiling structure in accordance with code. Pendant supported fixtures shall be supported from building structure.	
EL-22	-	SIESMIC BRACING & SUPPORT- Fixtures shall be braced & supported in accordance with he Local Seismic Zone rating requirements.	
EL-23	-	INSTALLATION STANDARDS: Each item shall be installed in accordance with the NEIS (Nat. Electrical Installation Stds.), NEC & related codes and the manufacturer's published requirements.	
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		End Of Electrical Criteria - Lighting Fixtures	

#	Rv #	ELECTRICAL CRITERIA - TELCO V/D/B RACEWAYS	Chk Off
ET-01	-	TELCO RACEWAY SCOPE-OF-WORK: Providing raceways, backboards and wall boxes with conduit stub-ups & pull-strings only for devices, cabling & equipment installation by others (Telco, Voice, Data, Broadband, Etc.)	
ET-02	-	TELCO DEVICES, CABLING & EQUIPMENT: All cabling, jacks, devices, hardware, equipment & software & related installation is the responsibility of the owner or tenant.	
ET-03	-	TELCO UTILITY COORDINATION: Prior to any rough in, coordinate, in writing, with the Telco Service Provider all related requirements- route, conduit qty & sizes, grounding, etc.	
ET-04	-	TELCO SYSTEM PROVIDER COORDINATION: Prior to any rough in, coordinate, in writing, with the Telco Service Provider all related requirements- route, conduit qty & sizes, grounding, etc.	
ET-05	-	TELCO SERVICE CONDUITS: Quanity & size as required or shown, use long radius bends (10X) on all raceway bends & turns. Install Pull-Strings, tagged & tied-off at each end.	
ET-06	-	TELCO- V/D BACKBOARDS: 3/ 4" Thick A/D Grade fire-retardant plywood, painted with two coats of fire-retardant grey paint, bottom 18 In AFF, secured to wall structure. Provide 4-Hole ground lug with #6 ground extended to main service ground & bonded.	
ET-07	-	V/D WALL BACKBOXES & STUB-UPS: Provide double gang wall boxes with plaster ring with 1" C. stub-up & turn-out into an accessible plenum. Jacks, devices & covers by owner or tenant's vendor-installer. Install Pull-Strings, tagged & tied-off at each end.	
ET-08	-	V/D WALL FLOOR BOXES & STUB-UPS: Provide flush-in-floor box(s) with 1" C. under floor, to a wall & stub-up & turn-out into an accessible plenum. Jacks, devices & covers by owner or tenant's vendor-installer. Install Pull-Strings, tagged & tied-off at each end.	
-	-	- - - - -	
		End Of Electrical Criteria - TELCO V/D/B Raceways	

#	Rv #	ELECTRICAL CRITERIA - PROJECT CLOSE-0UT	Chk Off
EZ-01	-	REVIEW REQUEST NOTICE(s)- This Contractor Shall Notify, In Writing, At Least 10 Days In Advance, To Own/ Archt/ Engr, Of The Desired Date To Request Having An On-Site Review Performed.	
EZ-02	-	AHJ INSPECTION REPORTS- This Contractor Shall Submitt Copy(s) Of Each Inspection Report As Given By The Authority Having Jurisdiction (AHJ) To The Own/ Archt/ Engr.	
EZ-03	-	ROUGH IN REVIEWS - Request Rough-In Reivew(s) Before Any Mateiral Or Work Is Covered And Unobservable.	
EZ-04	-	CERTIFICATIONS & TEST REPORTS- Provide Copies Of All Required Certifications And Test Results Prior To Requesting Final Review.	
EZ-05	-	CONTRACTOR REVIEW- This Contractor Shall Throughly Review & Document That The Complete Work Is Properly Functioning & Opeating Prior To Requesting A Final Review.	
EZ-06	-	REVIEW ELECTRICAL BONDING & GROUNDS- Veirfy Each Service Ground & Bond Is Properly Installed, Connected & Labled.\	
EZ-07	-	REVIEW ELECTRICAL SERVICE & VOLTAGE- Test & Record The Actual Voltages (L-L, L-N,L-G, N-G) And Amperages Of Each Line, Netural & Ground At The Service Entrance	
EZ-08	-	REVIEW ELECTRICAL DISTRIBUTION- Review & Document Each Part Of The Electrical Distribution System. Verify Proper Size & Ratings Of Each Item, Proper Connections & Torque Values. Verify Proper Bonding & Grounding.	
EZ-09	-	REVIEW ELECTRICAL PANEL DIRECTORIES - Review & Verify Detial Panel Directories Are Complete, Correct & Installed. Provide Complete "As-Built" Panel Schesule, In PDF Format To Owner For Their Records.	
EZ-10	-	REVIEW ELECTRICAL EQUIPMENT WIRING- Review Each Equipment Connection, Verify Circuit Protection Complies With The Equipment UL Listings & Ratings. Verify Disconnects Are Properly Labeled. Check For Proper Voltage & Phase Rotation For Equipment.	
EZ-11	-	REVIEW ELECTRICAL WIRING & DEVICES- Review & Document That All Branch Circuit Wiring Is Properly Installed, Bonded & Operational. Test Each Outlet With For Proper Contunity, Polarity & Grounding. Test Using An IDEAL INDUSTRIES SURE-TEST Model 61-165 Or Equal.	
EZ-12	-	REVIEW ELECTRICAL LIGHTING & CONTROLS- Review & Document That All LIGHTING FIxtures Are Properly Operating And Clean. Verify Proper Operation Of All Lighting Controls. Program & Set An Control Operations And/ Or Schedules Per Owner.	
EZ-13	-	REVIEW ELECTRICAL EMERGENCY EGRESS LIGHTNG & EXIT SIGNS:- Review & Document That Each Emergency Lighting Fixture And / Or System And Each Exit Sign Is Properly Functioning. Turn Off Building / Suite Power For 90 Minutes And Verify Emergency Lighting & Exit Are Operational Per Code.	
EZ-14	-	REVIEW ELECTRICAL SUB-SYSTEMS- Refer To The Specific Requirments Of Each "Sub-Systems" (i.e.-Fire Alalrm, Data-Voice, Etc.).	
EZ-16	-	KEYS & SPARE PARTS- Label & Turn Over All Keys To Owner's Personell. Review & Show All Spare Components & Parts To Owner's Personell & Document With Transmittal.	
EZ-17	-	"AS_BUILTS" - Provide Copies, In Hard-Copy & PDF Format, Of The Field Recored Documents With All "As-Built" Field Documentation Reflecting The Final Installed Conditions. Copy To Own/ Archt/ Engr.	
EZ-18	-	WARRANTY- This contractor shall warrant all materials, labor & installation for one full year from date of Certificate of Occupancy. Any extended product warranties shall be passed onto the owner.	
EZ-20	-	INSTRUCTIONS & TRAINING:- Schedule & Provide A Instructional & Traning Session With The Owner's Designated Personell. Review The Project Manual, Perform A "Walk-Thru" Review Of The All Electrical System(s) And Their Proper Operation, Including Resetting Of Breaker & Replacment Of Fuses.	
EZ-21	-	PROJECT MANUAL(S)- Provide Both A Bound "Hard-Copy" & PDF Version To The Owner & PDF Copy To The Archt/ Engr. The Project Manual Shall Include The Contractors Contact Information, Permits, Copies Of All "As-Builts", Product Submittal Data, Copies Of All Inspection Reports, Certifications & Test Results. Include All Mainteance Data, Instructions, & Warranty Information.	
EZ-22	-	FINAL REVIEWS - Request A Final Reivew Once All Work & Systems Are Completed, Checked And In Proper Operation	
-		- - - - -	
		End Of Electrical Criteia - Project Close-Out	

18.07.25		Fayette Co Training Center (v3)	
DN-	Rv	ELECTRICAL DISCLAIMERS & PROJECT NOTES	CO
01	-	CONSTRUCTION EXISTING BUILD. & NEW ELCT.> This Project Is All New Electrical Work In An Existing Building Being Modified For The Occupant.	
02	-	EXISTING ELECT. DISTB.> This Project's Electrical Power Service, Metering & Distribution Is Existing. This Contractor Is Responsible For Making An On-Site Review & Familiarizing Of All Existing Conditions & Providing For Accommodating The Existing Conditions In The Pricing For This Work.	
03	-	ELECTRICAL EQUIP REUSE> Some Of The Existing Electrical Distribution Is Being Reused. This Contractor Shall Review The Characteristics And Rating Of Each Existing Item Being Reused & Confirm It At Least Meets The Minimum Ratings As Prescribed In These Documents. Any Item Not Meeting These Rating Will Have To Be Replace Or Upgraded To Match The Requirements.	
04	-	EMERGENCY EGRESS & EXIT LIGHTING Is Provided Via Battery Backup Units. Refer To The Lighting Fixture Schedule.	
05	-	LIGHTING - Refer To The Architectural-Interiors (A/I) For The Complete Lighting Design (Ceiling Types & Layouts, Fixture Selections & Lamping, Mounting Heights, Etc.)	
06		EQUIPMENT VERIFICATION - Contractor Is To Verify The Electrical Characteristics & Ratings Of Electrical Equipment Provided By Other Trades, Etc. Prior To Ordering Materials & Any Rough-Ins.	
06	-	SLAB PENETRATIONS- Verify Each With Building Owner's Representative. Provide Scanning / X-Ray If Required Prior To Penetration To Confirm Location Acceptability.	
07		FIRE ALARM - Included In This Scope Of Work, Refer To Documents.	
08	-	TELCO-VOICE_DATA SERVICE- Coordinate, And Verify In Writing, The Location, Route & Incoming Service Arrangement With The Local Provider. Copy To Owner, Architect & Engineer.	
09	-	TELCO-VOICE-DATA SYSTEM(s)- These System(s) Consist Of The Main Service Conduits, Backboards And Grounds. The Documents Do Not Provide For The Voice / Data Cabling, Hardware, Software Or Related Components. Coordinate With The Owner's Vendor / Installer.	
10	-	TV-BROADBAND SYSTEM(s)- Not Included In This Work-Scope.	
11	-	ACCESS CONTROL & SECURITY- Not Included In This Work-Scope.	
12	-	OWNER-TENANT-USER RESPONSIBILITIES- To Review & Train In Proper Operations & Maintenance Of The Electrical Components & System.	
13		OWNER-TENANT-USER RESPONSIBILITIESy- Regularly Test (Every 3 Months) GFCI & AFCI Devices To Ensure Proper Operation.	
14	-	OWNER-TENANT-USER EMERGENCY SYSTEM TESTING RESPONSIBILITIES- To Regularly Check, Test & Document The Proper Operation Of The Emergency Lighting System. Refer To NFPA-101 & OSHA Regulations. Documentation & Forms Are Available From NFPA & OSHA	
- -	-	- - - - -	
17-159		End Of Disclaimer & Project Notes	

architecture
interiors
town planning

KAOD
K A Oldham Design, Inc.

14 East Washington Street
Newnan, Georgia 30263
Telephone: 770-683-9170
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GEORGIA REGISTERED No 13252 PROFESSIONAL ENGINEER ROBERT M MADDOX
2018 07.26

THE MADDOX GROUP
DESIGN & ENGINEERING
9309 Seminole Road
Jonesboro, GA 30236
770-471-9076
maddoxgroup@comcast.net

PRINTED: 18.07.26

DATE	COMMENTS
18.07.26	For Pricing, Permiting & Construction

FAYETTE COUNTY TRAINING FACILITY RENOVATION

340 Hewell Road
Jonesboro, Georgia
30236

Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
ELECTRICAL CRITERIA

SHEET NO:
E-0.1

RELEASED FOR PERMIT OR CONSTRUCTION

ELECTRICAL UTILITY & LOAD DATA

Proj:	**Fayette Co Training Center (v3)**	18.07.25	Date
Street	**340 Hewell Road**	Const	Status
City	**Jonesboro, GA. 30236**	**1,600**	SF Basis

ELECTRICAL LOAD DATA & SUMMARY

Rv #	Connected Load Type	Load ID	Connected KVA	Connected %	NEC Factored Dmnd KVA	NEC Factored Dmnd AMPS	Item Note #
-	Exist. Demand	X	0.00	0%	0.0	0	- -
-	Lighting	L	11.19	6%	14.0	39	- -
-	General Rcpts.	R	37.40	18%	23.7	66	- -
-	Appliances	A	0.00	0%	0.0	0	- -
-	Electronics, PCs, Etc.	E	6.30	3%	7.9	22	- -
-	HVAC- Mtrs	H	0.00	0%	0.0	0	- -
-	HVAC- Refrig	C	39.93	20%	37.9	105	Heat Pump
-	HVAC- Heating	G	96.00	47%	96.0	266	Fan Coil & Strip Htg
-	Misc- M	M	0.00	0%	0.0	0	- -
-	Misc- T	T	12.00	6%	11.6	32	Wtr Htg
-	Spare	0%	0.00	0%	0.0	0	- -
-	**Summary KVA =**		**203**	**100%**	**191**	**- -**	- -
-	**Summary AMPS=**		**563**	**- -**	**- -**	**530**	- -

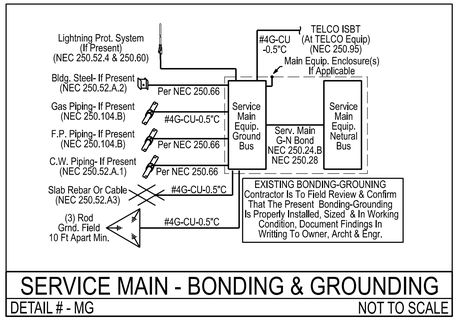
Prefered Power Co. Service, Transformer & Metering

Supply: V-LL:	208	**V-LN:** 120	**Phs** 3 **WIRE:** 4
Transformer KVA:	300	**Secondary Available Short-Ckt kA:**	46.3
Power Company:	GAPCO		
Pwr Co. Primary Service:	Existing Under Ground Primary		
Power Co. Transformer:	Existing Pad & Transformer		
Power Co. Metering:	New Pedistal Mtd Mtr; Pedistal & Conduit By Contractor		
Elect. Secondary Service:	Under Ground By Owner / Contractor		

Item Note(s)

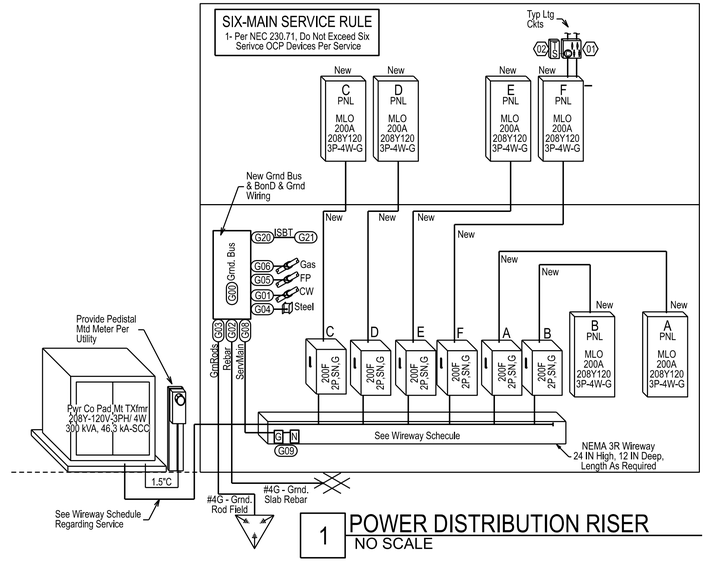
1-	na
2-	na

By: MADDOX GROUP INC. — End OF Load Data — 17-159 P#



SERVICE MAIN - BONDING & GROUNDING

DETAIL # - MG — NOT TO SCALE



1 POWER DISTRIBUTION RISER

NO SCALE

LEGEND NOTES

18.07.25	Fayette Co Training Center (v3)	
#	**Rv**	**LEGEND NOTES - E02**	**CO**
01	-	Lighting Contactor> Electrically / Mechanically Held. Match Coil Volts & Type To Control, Provide Coil-Clearing Contact & Front HOA Switch. Square-D Type-L (EH) or LX(MH). 8 Poles: NEMA-1 Encls	
02	-	Time Switch> Digital Astronomic 2-Channel, 24-7-365 Schedule, Capacitor Back-up, Day-Light Saving & Leap-Year. (2) 20A Load Contacts. Set Schedule Per Owner / Tenant. NSI-Tork DZM-200-BP-O	
- -	-		- -
17-159		End Of Legend Notes	

Project:	**Fayette Co Training Center (v3)**			**A**	Schd	**Jonesboro, GA. 30236** City,St
Gen Nt 1:	Bkr Ties On Multi-Wire Ckts NEC 210.4B			*Volt- LL* 208		*Enclosure-Mtg:* **NEMA 3R** Wall Surf Mtd.
Gen Nt 2:	Seismic Certified & Seismic Rated Anchors & Supports Reqd.			*Volt- LN* 120		*Cover & Door:* Door-In-Door, With Locks
Gen Nt 3:	**Lower Level HVAC**			*Phs.* 3 *W.* 4		*OCP Types:* Main - MCCB-60C/75C Branch- MCCB, 60C/75C Lugs
Gen Nt 4:	Factory Listed & Rated Series Rated MCCB Allowed			*Buss Amps* **200**		*All Busing:* CU or AL 100% N & G Busing
Gen Nt 5:	**NEW Panel**			*Main OCP* **MLO**		*Arc-Flash:* Labeled Per NEC & OSHA
17-159	MADDOX GROUP INC.		*Spare* % = 15%	*KA-AIC SCA* **65**		**18.07.25** *Date:* **Const** *Status*

Rv	Nt	Description	Wiring	ID	W/VA	OCP	P	#	P	#	OCP	P	W/VA	ID	Wiring	Description	Nt	Rv
	1	HP-01, 1.5 Ton	# 10	C	1,500	15	-	*01*	*A*	*02*	40	-	2,400	C	#10+ 10G	HP-02, 4.0 Ton	1	
		208V,1Ph,	WP J-Box & Conn.	C	1,500	-	2	*03*	*B*	*04*	-	2	2,400	C	WP J-Box & Conn.	208V,1Ph,28.5 MCA		
	1	HP-03, 3.0 Ton	#10+ 10G	C	1,875	35	-	*05*	*C*	*06*	40	-	2,320	C	#10+ 10G	HP-04, 3.5 Ton	1	
		208V,1Ph,22.1 MCA	WP J-Box & Conn.	C	1,875	-	2	*07*	*A*	*08*	-	2	2,320	C	WP J-Box & Conn.	208V,1Ph,27.6 MCA		
	1	HP-05, 4.0 Ton	#10+ 10G	C	2,400	40	-	*09*	*B*	*10*	40	-	2,320	C	#10+ 10G	HP-06, 3.5 Ton	1	
		208V,1Ph,28.5 MCA	WP J-Box & Conn.	C	2,400	-	2	*11*	*C*	*12*	-	2	2,320	C	WP J-Box & Conn.	208V,1Ph,27.6 MCA		
	1	HP-07, 3.0 Ton	#10+ 10G	C	1,875	35	-	*13*	*A*	*14*	40	-	2,400	C	#10+ 10G	HP-08, 4.0 Ton	1	
		208V,1Ph,22.1 MCA	WP J-Box & Conn.	C	1,875	-	2	*15*	*B*	*16*	-	2	2,400	C	WP J-Box & Conn.	208V,1Ph,28.5 MCA		
	1	HP-09, 5.0 Ton	#8+ 10G	C	2,875	?	-	*17*	*C*	*18*	20	1	0		- - -	> Spare <		
		208V,1Ph, 34.2 MCA	WP J-Box & Conn.	C	2,875	-	2	*19*	*A*	*20*	20	1	0		- - -	> Spare <		
		< Space Only >	- - -		0	Sp	1	*21*	*B*	*22*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*23*	*C*	*24*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*25*	*A*	*26*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*27*	*B*	*28*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*29*	*C*	*30*	Sp	1	0		- - -	< Space Only >		

N# 01-	HACR Listed & Labeled MCCB	*Phs-A =*	38.2 %	127	A	15,245 VA	42.4 KVA Facotred End Use 118 A
N# 02-	Not Used	*Phs-B =*	32.3 %	107	A	12,895 VA	0.0 KVA Pass Thru Load 0 A
N# 03-	Not Used	*Phs-C =*	29.5 %	98	A	11,790 VA	6.4 KVA Spare 18 A
N# 04-	Not Used	**Summary =**		**111**	**A**	**39,930 VA**	**48.8 KVA Total 135 A**

Project:	**Fayette Co Training Center (v3)**			**B**	Schd	**Jonesboro, GA. 30236** City,St
Gen Nt 1:	Bkr Ties On Multi-Wire Ckts NEC 210.4B			*Volt- LL* 208		*Enclosure-Mtg:* NEMA 1 Wall Surf Mtd.
Gen Nt 2:	Seismic Certified & Seismic Rated Anchors & Supports Reqd.			*Volt- LN* 120		*Cover & Door:* Door-In-Door, With Locks
Gen Nt 3:	**Lower Level Ltg & Rcpts**			*Phs.* 3 *W.* 4		*OCP Types:* Main - MCCB-60C/75C Branch- MCCB, 60C/75C Lugs
Gen Nt 4:	Factory Listed & Rated Series Rated MCCB Allowed			*Buss Amps* **200**		*All Busing:* CU or AL 100% N & G Busing
Gen Nt 5:	**NEW Panel**			*Main OCP* **MLO**		*Arc-Flash:* Labeled Per NEC & OSHA
17-159	MADDOX GROUP INC.		*Spare* % = 15%	*KA-AIC SCA* **65**		**18.07.25** *Date:* **Const** *Status*

Rv	Nt	Description	Wiring	ID	W/VA	OCP	P	#	P	#	OCP	P	W/VA	ID	Wiring	Description	Nt	Rv
		Ltg- Bsmt, "M"	As Shown	L	850	20	1	*01*	*A*	*02*	20	1	800	R	As Shown	Rcpt- Bsmt		
		Ltg- Bsmt, "M"	As Shown	L	1,020	20	1	*03*	*B*	*04*	20	1	800	R	As Shown	Rcpt- Bsmt		
		Ltg- Bsmt, "M"	As Shown	L	1,020	20	1	*05*	*C*	*06*	20	1	1,000	R	As Shown	Rcpt- Bsmt		
		> Spare <	- - -		0	20	1	*07*	*A*	*08*	20	1	900	E	As Shown	Rcpt- Bsmt TELCO		
		> Spare <	- - -		0	20	1	*09*	*B*	*10*	20	1	900	E	#10	Rcpt- Bsmt TELCO		
		> Spare <	- - -		0	20	1	*11*	*C*	*12*	20	1	900	E	#10	Rcpt- Bsmt TELCO		
		> Spare <	- - -		0	20	1	*13*	*A*	*14*	20	1	900	E	#10	Rcpt- Bsmt TELCO		
		> Spare <	- - -		0	20	1	*15*	*B*	*16*	20	1	900	E	#10	Rcpt- Bsmt TELCO		
		> Spare <	- - -		0	20	1	*17*	*C*	*18*	20	1	900	E	#10	Rcpt- Bsmt TELCO		
		< Space Only >	- - -		0	Sp	1	*19*	*A*	*20*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*21*	*B*	*22*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*23*	*C*	*24*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*25*	*A*	*26*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*27*	*B*	*28*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*29*	*C*	*30*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*31*	*A*	*32*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*33*	*B*	*34*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*35*	*C*	*36*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*37*	*A*	*38*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*39*	*B*	*40*	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	*41*	*C*	*42*	Sp	1	0		- - -	< Space Only >		

N# 01-	HACR Listed & Labeled MCCB	*Phs-A =*	31.7 %	29	A	3,450 VA	13.0 KVA Facotred End Use 36 A
N# 02-	Not Used	*Phs-B =*	33.2 %	30	A	3,620 VA	0.0 KVA Pass Thru Load 0 A
N# 03-	Not Used	*Phs-C =*	35.1 %	32	A	3,820 VA	1.9 KVA Spare 5 A
N# 04-	Not Used	**Summary =**		**30**	**A**	**10,890 VA**	**14.9 KVA Total 41 A**

Proj	**Fayette Co Training Center (v3)**	**WW-MD (6- Main Rule)**	**18.07.25** Date
Place	**Jonesboro, GA 30236**	**WIREWAY SCHEDULE**	**Const** Status

WireWay Type	**NEMA -1/ 3R, Code Gauge Galvinezed Steel, Hinged & Latch/ Screw Cover**	Note(s) #:	**01, 02, 03, 04**	Volts-LL	208
Cabling-Bussing	**Full-Length, Full-Capacity Cabling**	SCC - kA:	**46.3 kA**	Volt-LN	120
Cabling Taps	**Fully Insulated, Ilsco NiMBUS Mult-Tap or IlsccLay-In Tap-Block or Equal**	Neut Bus %	**100%**	Phase	3
Misc. Notes:	**Sesmic Rated & Installed, Provide Arc-Flash, Fault-Current & Device Labels**	Grnd Bus %	**Per Code**	Wires	4
Feeder-Service >	**Conduit & Wire: (3Cu) 4# 500- 3.00°C or (3Al) 4# 600 - 4.00°C (Minimum)**	Amp Capacity:	**1,000 Amps**	Note #:	03, 04

Ckt #	Nt #	Load Served Description	Meter Amps	Frame Amps	OCP Amp	# P-N-G	OCP Type	Encls Type	Wiring	LT	Connected VA Per Phase Ph-A	Ph-B	Ph-C	TOTAL kVA	Revs #
A	01, 02	A- Pnl	na	200	200	3P-4W-G	Fuse	1	New (1Al) 4# 250+ 4G-3.00°C	P	15,245	12,895	11,790	39.9	
B	01, 02	B- Pnl	na	200	200	3P-4W-G	Fuse	1	New (1Al) 4# 250+ 4G-3.00°C	P	3,450	3,620	3,820	10.9	
C	01, 02	C- Pnl	na	200	200	3P-4W-G	Fuse	1	New (1Al) 4# 250+ 4G-3.00°C	P	21,500	21,500	17,000	60.0	
D	01, 02	D- Pnl	na	200	200	3P-4W-G	Fuse	1	New (1Al) 4# 250+ 4G-3.00°C	P	17,500	13,000	17,500	48.0	
E	01, 02	E- Pnl	na	200	200	3P-4W-G	Fuse	1	New (1Al) 4# 250+ 4G-3.00°C	P	12,700	11,100	11,000	34.8	
F	01, 02	F- Pnl	na	200	200	3P-4W-G	Fuse	1	New (1Al) 4# 250+ 4G-3.00°C	P	4,000	3,700	1,500	9.2	
-	- -	- - -	- -	- -	- -	- -	-	- -	- - - - - -		0	0	0	0.0	

Item Notes (Nt #):		**- - - - - -**	**Load Totals & Calculations:**				
01-	Existing Wireway May Be Reused, EC To Verify, Clean, Repaint & Label.	Connected Watts / VA Phs:	**74,395**	**65,815**	**62,610**	**203**	**kVA**
02-	Existing Disconnect(s) May Be Reused, EC To Verify, Clean & Label.	Connected Amps Per Phs:	**619**	**548**	**521**	**563**	**Amps**
03-	Existing Service May Be Reused, However, EC To Verify Amp Capacity.	Factored Load kVA:	**- -**	**205**	**kVA**	**570**	**Amps**
04-	If Exist. Serivce Is Inadequate Or Poor Condition Give Replacment $ Add	Additional Spare Capacity:	**15%**	**30.8**	**kVA**	**85**	**Amps**
05-	- -	**TOTAL FINAL LOAD:**	**- -**	**236**	**kVA**	**655**	**Amps**

By: MADDOX GROUP INC. — End Of WireWay Schedule — 17-159

POWER DISTRIBUTION SCHEDULE

Fayette Co Training Center (v3)	**ELCT. DISTB. SYSTEM SCHEDULE**	18.07.25
Jonesboro, GA. 30236	**BONDING & GROUNDING**	Const

Rv#	Tag ID#	Bond / Ground / TVSS	Rating / Size	Criteria	Comments / NEC Ref	Ft	Nt #
-	G00	Master Grnd Bus (MGB)	Burndy BBB or Erico TGB/ TMGB	Term. Cables With 2-Hole Cable Lugs & Label Each Cable	NEC 250 Grnd & Bond	-	-
-	G01	Bond/Grnd- To CW Main	(1) #3/0G- 1"PVC	Clamp With-In 5 Ft Of Pipe Entrance	250.50; 52.1		-
-	G02	Grnd- To Slab Rebar	(1) #4G- 1"PVC	20 Ft 1/2" OD Rebar Or #4 Bare Cu	250.50; 52.3		-
-	G03	Grnd- To Grnd Rod Field	(1) #4G- 1"PVC	(3) 10 Ft SS Grnd Rods Space 10 Ft Apart	250.50; 52.5		-
-	G04	Bond/Grnd- To Bldg Steel	(1) #3/0G- 1"PVC	U.L Bond To Major Steel Member	250.50; 52.2		-
-	G05	Bond/Grnd- To FP Main	(1) #3/0G- 1"PVC	Clamp With-In 5 Ft Of Pipe Entrance	250.50; 52.1 & 8		-
-	G06	Bond- To Gas Main Pipe	(1) #4G- 1"PVC	Clamp With-In 5 Ft Of Pipe Entrance	250.104.B		-
-							-
-	G10	Grnd Electrode Cond- To Each Serv	(1) #3/0G- 1"PVC	Bond To Main Grnd @ Service	NEC 250 Grnd & Bond		-
-	G11	Main Bonding Jumper (Grnd-Neut)	(1) #3/0G- 1"PVC	Unspliced Inside Each Serv Disc	NEC 250.24.B; 250.28		-
-							-
-	G20	Bond- To Telco ISBT	(1) #2G- 1"PVC	Grnd To Each LV Comm Service(s)	NEC 250.94		-
-	G21	ISBT (Inter-System Bonding Terminal) Ground Bar @ Each LV Serv.	ILSOC PET Or Equal	Dual-Rated, 8-Hole Lug With 2-Mtg Holes	One Each Mtd On Each LV Comm Serv BkBd	-	-
-							-

Rv#	**Nt #**	**Specific Item Notes- #**
-	A	na

MADDOX GROU — End Of Distribution Schedule - Bonding & Grounding — 17-159

architecture
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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 13252 ROBERT M MADDOX 2018 07.26

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PRINTED: 18.07.26

DATE	COMMENTS
18.07.26	For Pricing, Permiting & Construction

FAYETTE COUNTY TRAINING FACILITY RENOVATION

340 Hewell Road
Jonesboro, Georgia
30236

Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:

1465.17

SHEET TITLE:

ELECTRICAL RISER & SCHEDULES

SHEET NO:

E-0.2

RELEASED FOR PERMIT OR CONSTRUCTION

Project:	Fayette Co Training Center (v3)						C	Schd	Jonesboro, GA. 30236	City,St
Gen Nt 1:	Bkr Ties On Multi-Wire Ckts NEC 210.4B						Volt- LL	208	Enclosure-Mtg:	NEMA 3R	Wall Surf Mtd.
Gen Nt 2:	Seismic Certified & Seismic Rated Anchors & Supports Reqd.						Volt- LN	120	Cover & Door:	Door-In-Door, With Locks	
Gen Nt 3:	**Main Level HVAC**						Phs. 3	W. 4	OCP Types:	Main - MCCB-60C/75C	Branch- MCCB, 60C/75C Lugs
Gen Nt 4:	Factory Listed & Rated Series Rated MCCB Allowed						Buss Amps	200	All Busing:	CU or AL	100% N & G Busing
Gen Nt 5:	**NEW Panel**						Main OCP	MLO	Arc-Flash:	Labeled Per NEC & OSHA	
17-159	MADDOX GROUP INC.			Spare % =	15%		KA-AIC SCA	65	18.07.25 Date:		Const Status

Rv	Nt	Description	Wiring	ID	W/VA	OCP	P	#	P	#	OCP	P	W/VA	ID	Wiring	Description	Nt	Rv
	1	FCU-02, 11.3 kW Htg	#4+ 8G	G	6,500	80	-	01	A	02	60	-	4,500	G	#6+ 10G	FCU-03, 7.5 kW Htg	1	
		208V,1Ph, 76.3 MCA	WP J-Box & Conn.	G	6,500	-	2	03	B	04	-	2	4,500	G	WP J-Box & Conn.	208V,1Ph,53.8 MCA		
	1	FCU-04, 11.3 kW Htg	#4+ 8G	G	6,500	80	-	05	C	06	40	-	4,000	T	#8+ 10G	Water Heater	1	
		208V,1Ph, 76.3 MCA	WP J-Box & Conn.	G	6,500	-	2	07	A	08	-	-	4,000	T	DS- 60A,3P,G,N1	80G - 12.0 kW		
	1	FCU-05, 11.3 kW Htg	#4+ 8G	G	6,500	80	-	09	B	10	-	3	4,000	T	- - -	208V, 3Phs, 33.3 FLA	1	
		208V,1Ph, 76.3 MCA	WP J-Box & Conn.	G	6,500	-	2	11	C	12	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	13	A	14	Sp	1	0		- - -	< Space Only >	1	
		< Space Only >	- - -		0	Sp	1	15	B	16	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	17	C	18	Sp	1	0		- - -	< Space Only >		

N# 01-	HACR Listed & Labeled MCCB	Phs-A =	35.8 %	179	A	21,500	VA	59.6	KVA Facotred End Use	165 A
N# 02-	Not Used	Phs-B =	35.8 %	179	A	21,500	VA	0.0	KVA Pass Thru Load	0 A
N# 03-	Not Used	Phs-C =	28.3 %	142	A	17,000	VA	8.9	KVA Spare	25 A
N# 04-	Not Used	Summary =		167	A	60,000	VA	68.5	KVA Total	190 A

Project:	Fayette Co Training Center (v3)						D	Schd	Jonesboro, GA. 30236	City,St
Gen Nt 1:	Bkr Ties On Multi-Wire Ckts NEC 210.4B						Volt- LL	208	Enclosure-Mtg:	NEMA 3R	Wall Surf Mtd.
Gen Nt 2:	Seismic Certified & Seismic Rated Anchors & Supports Reqd.						Volt- LN	120	Cover & Door:	Door-In-Door, With Locks	
Gen Nt 3:	**Main Level HVAC**						Phs. 3	W. 4	OCP Types:	Main - MCCB-60C/75C	Branch- MCCB, 60C/75C Lugs
Gen Nt 4:	Factory Listed & Rated Series Rated MCCB Allowed						Buss Amps	200	All Busing:	CU or AL	100% N & G Busing
Gen Nt 5:	**NEW Panel**						Main OCP	MLO	Arc-Flash:	Labeled Per NEC & OSHA	
17-159	MADDOX GROUP INC.			Spare % =	15%		KA-AIC SCA	65	18.07.25 Date:		Const Status

Rv	Nt	Description	Wiring	ID	W/VA	OCP	P	#	P	#	OCP	P	W/VA	ID	Wiring	Description	Nt	Rv
	1	FCU-06, 11.3 kW Htg	#4+ #8G	G	6,500	80	-	01	A	02	Sp	1	0		- - -	< Space Only >		
		208V,1Ph, 76.3 MCA	WP J-Box & Conn.	G	6,500	-	2	03	B	04	Sp	1	0		- - -	< Space Only >		
	1	FCU-08, 11.3 kW Htg	#4+ #8G	G	6,500	80	-	05	C	06	60	-	4,500	G	#6+ #10G	FCU-07, 7.5 kW Htg	1	
		208V,1Ph, 76.3 MCA	WP J-Box & Conn.	G	6,500	-	2	07	A	08	-	2	4,500	G	WP J-Box & Conn.	208V,1Ph,53.8 MCA		
	1	FCU-09, 11.3 kW Htg	#4+ #8G	G	6,500	80	-	09	B	10	Sp	1	0		- - -	< Space Only >		
		208V,1Ph, 76.3 MCA	WP J-Box & Conn.	G	6,500	-	2	11	C	12	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	13	A	14	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	15	B	16	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	17	C	18	Sp	1	0		- - -	< Space Only >		

N# 01-	HACR Listed & Labeled MCCB	Phs-A =	36.5 %	146	A	17,500	VA	48.0	KVA Facotred End Use	133 A
N# 02-	Not Used	Phs-B =	27.1 %	108	A	13,000	VA	0.0	KVA Pass Thru Load	0 A
N# 03-	Not Used	Phs-C =	36.5 %	146	A	17,500	VA	7.2	KVA Spare	20 A
N# 04-	Not Used	Summary =		133	A	48,000	VA	55.2	KVA Total	153 A

Project:	Fayette Co Training Center (v3)						E	Schd	Jonesboro, GA. 30236	City,St
Gen Nt 1:	Bkr Ties On Multi-Wire Ckts NEC 210.4B						Volt- LL	208	Enclosure-Mtg:	NEMA 1	Wall Surf Mtd.
Gen Nt 2:	Seismic Certified & Seismic Rated Anchors & Supports Reqd.						Volt- LN	120	Cover & Door:	Door-In-Door, With Locks	
Gen Nt 3:	**Main Level Rcpts**						Phs. 3	W. 4	OCP Types:	Main - MCCB-60C/75C	Branch- MCCB, 60C/75C Lugs
Gen Nt 4:	Factory Listed & Rated Series Rated MCCB Allowed						Buss Amps	200	All Busing:	CU or AL	100% N & G Busing
Gen Nt 5:	**NEW Panel**						Main OCP	MLO	Arc-Flash:	Labeled Per NEC & OSHA	
17-159	MADDOX GROUP INC.			Spare % =	15%		KA-AIC SCA	65	18.07.25 Date:		Const Status

Rv	Nt	Description	Wiring	ID	W/VA	OCP	P	#	P	#	OCP	P	W/VA	ID	Wiring	Description	Nt	Rv
		Rcpt-Ded Copier	#12	R	1,500	20	1	01	A	02	20	1	800	R	#10	Rcpt- GF Extr		
		Rcpt-Ded Copier	#12	R	1,500	20	1	03	B	04	20	1	600	R	#10	Rcpt- GF Extr		
		Rcpt-Ded Copier	#12+ 12G	R	1,500	20	1	05	C	06	20	1	800	R	#10+ 10G	Rcpt- GF Extr		
		Rcpt-Ded Copier	#12+ 12G	R	1,500	20	1	07	A	08	20	1	600	R	#10+ 10G	Rcpt- Train Rm		
		Rcpt-Ded GF Wtr Cool	#12+ 12G	R	1,500	20	1	09	B	10	20	1	600	R	#10+ 10G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	11	C	12	20	1	1,200	R	#10+ 10G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	13	A	14	20	1	1,200	R	#10+ 10G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	15	B	16	20	1	600	R	#12+ 12G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	17	C	18	20	1	600	R	#12+ 12G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	19	A	20	20	1	1,200	R	#12+ 12G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	21	B	22	20	1	1,200	R	#12+ 12G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	23	C	24	20	1	600	R	#12+ 12G	Rcpt- Train Rm		
		Rcpt-Ded GF Appl	#12+ 12G	R	900	20	1	25	A	26	20	1	1,000	R	#12+ 12G	Rcpt- Dine		
		Rcp- RR & Misc	#12+ 12G	R	900	20	1	27	B	28	20	1	1,000	R	#12+ 12G	Rcpt- Dine		
		Rcpt- Offices	#12+ 12G	R	1,400	20	1	29	C	30	20	1	1,200	R	#10+ 10G	Rcpt- Lobby		
		Rcpt- Offices	#12+ 12G	R	1,400	20	1	31	A	32	20	1	800	R	#12+ 12G	Rcpt- Dine Flr Bx		
		Rcpt- Offices	#12+ 12G	R	1,400	20	1	33	B	34	20	1	0		- - -	< Space Only >		
		Rcpt- Misc	#12+ 12G	R	1,000	20	1	35	C	36	20	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	20	1	37	A	38	20	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	20	1	39	B	40	20	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	20	1	41	C	42	20	1	0		- - -	< Space Only >		

N# 01-	HACR Listed & Labeled MCCB	Phs-A =	36.5 %	106	A	12,700	VA	22.4	KVA Facotred End Use	62 A
N# 02-	Not Used	Phs-B =	31.9 %	92	A	11,100	VA	0.0	KVA Pass Thru Load	0 A
N# 03-	Not Used	Phs-C =	31.6 %	92	A	11,000	VA	3.4	KVA Spare	9 A

Project:	Fayette Co Training Center (v3)						F	Schd	Jonesboro, GA. 30236	City,St
Gen Nt 1:	Bkr Ties On Multi-Wire Ckts NEC 210.4B						Volt- LL	208	Enclosure-Mtg:	NEMA 1	Wall Surf Mtd.
Gen Nt 2:	Seismic Certified & Seismic Rated Anchors & Supports Reqd.						Volt- LN	120	Cover & Door:	Door-In-Door, With Locks	
Gen Nt 3:	**Main Level Ltg**						Phs. 3	W. 4	OCP Types:	Main - MCCB-60C/75C	Branch- MCCB, 60C/75C Lugs
Gen Nt 4:	Factory Listed & Rated Series Rated MCCB Allowed						Buss Amps	200	All Busing:	CU or AL	100% N & G Busing
Gen Nt 5:	**NEW Panel**						Main OCP	MLO	Arc-Flash:	Labeled Per NEC & OSHA	
17-159	MADDOX GROUP INC.			Spare % =	15%		KA-AIC SCA	65	18.07.25 Date:		Const Status

Rv	Nt	Description	Wiring	ID	W/VA	OCP	P	#	P	#	OCP	P	W/VA	ID	Wiring	Description	Nt	Rv
		Ltg- Offices	#12 +12G	L	900	20	1	01	A	02	20	1	500	L	#12+ 12G	Ltg - Train Rm		
		Ltg- Hall	#12 +12G	L	800	20	1	03	B	04	20	1	500	L	#12+ 12G	Ltg - Train Rm		
		Ltg- Core, Rest Rms	#12 +12G	L	700	20	1	05	C	06	20	1	500	L	#12+ 12G	Ltg - Train Rm		
		Ltg- Lobby	#12 +12G	L	500	20	1	07	A	08	20	1	500	L	#12+ 12G	Ltg - Train Rm		
		Ltg- Foyer	#12 +12G	L	600	20	1	09	B	10	20	1	1,100	L	#12+ 12G	Ltg - Dine-Train Rm		
	2	Ltg-Extr Lwr Lvl	#10+ 10G	L	100	20	1	11	C	12	20	1	200	L	#10+ 10G	Ltg- Extr Paddle Fans		
	2	Ltg-Extr Upr Lvl	#10+ 10G	L	700	20	1	13	A	14	20	1	900	E	#10+ 10G	EDP- Fire Alarm		
	2	Ltg-Extr Upr Lvl	#10+ 10G	L	700	20	1	15	B	16	20	1	0		- - -	> Spare <		
		> Spare <	- - -		0	20	1	17	C	18	20	1	0		- - -	> Spare <		
		< Space Only >	- - -		0	Sp	1	19	A	20	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	21	B	22	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	23	C	24	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	25	A	26	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	27	B	28	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	29	C	30	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	31	A	32	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	33	B	34	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	35	C	36	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	37	A	38	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	39	B	40	Sp	1	0		- - -	< Space Only >		
		< Space Only >	- - -		0	Sp	1	41	C	42	Sp	1	0		- - -	< Space Only >		

N# 01-	HACR Listed & Labeled MCCB	Phs-A =	43.5 %	33	A	4,000	VA	11.5	KVA Facotred End Use	32 A
N# 02-	Ckt Thru Astro-Sched Relay Pnl	Phs-B =	40.2 %	31	A	3,700	VA	0.0	KVA Pass Thru Load	0 A
N# 03-	Not Used	Phs-C =	16.3 %	12	A	1,500	VA	1.7	KVA Spare	5 A
N# 04-	Not Used	Summary =		26	A	9,200	VA	13.2	KVA Total	37 A

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FAYETTE COUNTY TRAINING FACILITY RENOVATION

340 Hewell Road
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Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
ELECTRICAL RISER & SCHEDULES

SHEET NO:
E-0.3

RELEASED FOR PERMIT OR CONSTRUCTION

WIRING & EQUIPMENT

SYMBOLS	DESCRIPTIONS
	J-Box Clg / Wall Mtd. @ 24" AFF UNO
	Flexible Conduit, LT Damp-Wet Areas
	Solid Curved- Concealed Wiring
	Solid Straight- Exposed Wiring
	Dashed- In-Slab Or U.G. Wiring
	Arrowhead- Home Run As Shwon
	Surf. Mtd Multi-Channel Raceway
	Grounding Symbol / Grnd Rod
	Plywood Bkbd, Size As Noted
	Motor, F- Fract. HP, #- HP
	Manual Motor Rated Switch, 30A, 3P, 600V, NEMA-3R Encls
	Magnetic Motor Combo Starter / Switch, Ratings As Noted Or Scheduled
	Electric Heat Unit
	Disc. Switch, Ratings As Noted
	Panel / Distb. Panel & Clearances
	Distrib. Equip. & Clearances
	Transformer & Clerances

NOTES & COMMENTS

1- Single Branch Circuit Homeruns (#12) To The Same Panel May Be Combined Into Multi-Circuit Homeruns Of No More Than (2) 3-Ckt/ 4-Wire Homeruns. Note Multi-Pole OCP Required At Panel.

2- Every Ckt., Regardless Of Conduit Type, Shall Be Provided With A Green Ground Wire (#12 Min), Size Per Code U.N.O.

3- Where IG CKts, Are Required, Each IG Ckt. Shall Have A Seperate (Non-Shared) Netural & A Shared Insulated Ground (IG) Conductor.

4-Grouping Of Controls / Switching May Be Indicated By Lower Case Letters (i.e.- a,b,c- - -).

RECEPTACLE DEVICES

15A	20A	MTG/UNO	DESCRIPTIONS
		18" AFF	RCPT- SINGLE
		18" AFF	RCPT- DUPLEX
		18" AFF	RCPT- QUAD (TWO DUPLEX)
		18" AFF	RCPT- DUPLEX GFCI
WP	WP	18" AFF	RCPT.- DUPLEX WR-GFCI & WP IN-USE COVER
		18" AFF	RCPT- DUPLEX ISO.GRN. (SEE WIRING NOTES)
		18" AFF	RCPT- TWO DUPLEX ISO. GRN. (SEE WIRING NTS)
		18" AFF	RCPT- DUPLEX -TOP SWITCHED
		18" AFF	RCPT- TAMPER RESISTIANT DUPLEX
		18" AFF	RCPT- TAMPER RESISTIANT DUPLEX GFCI

COMMENTS & NOTES

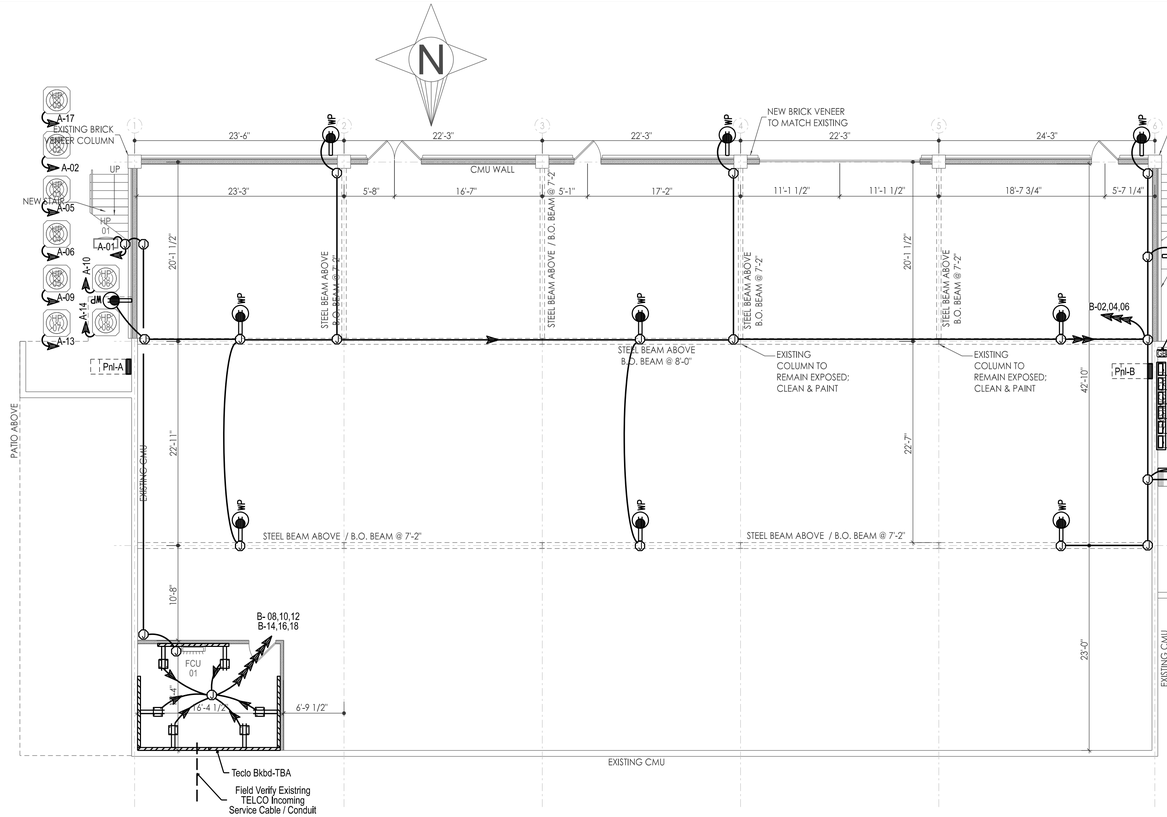
01- Devices To Be UL20, UL498 Listed & Labeled Where Applicable.
02- Devices To Be FSUL-WS896, FSUL-WC596 Compliant Where Applicable.
03- Devices To Be NFTA (Buy American) Where Avialable.
04- Devices To Be Legrand / P&S, PlugTail. Specification Grade Devices, UNO.
05- Device Face To Decor Style Unless Not Available In Decor Style.
06- Provide Smooth Finish Matching P&S Trade-Master Grade Cover Plates.
07- Products Of Other Manufactures, Equivalent In Apperance, Features, Performance, Rating & Size, Are Acceptable.
08- Color As Selected By Owner / Tenant Or Architect.
09- Field Verify Final Exact Location Prior To Rough-In With Archt., Owner / User.
10- Multiple Adjacent Devices Shall Be Mtd In Multi-Gang Box With Multi-Gang Cover.

LOW-VOLTAGE DEVICE - ROUGH-INS

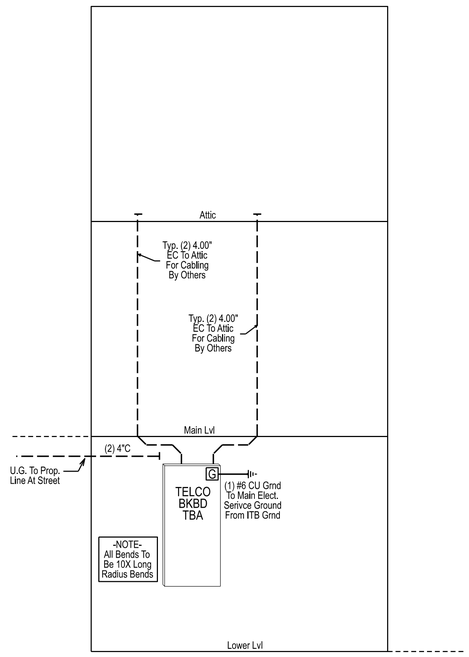
SYMBOLS	MTG/UNO	DESCRIPTIONS
FLR	FLR MTD	VOICE-DATA EQUIPMENT RACK/ CABINET, FREE STANDING (BY OTHERS)
TOP	TOP 60" AFF	VOICE-DATA EQUIPMENT PANEL, WALL MOUNTED (BY OTHERS)
	BTM 18" AFF	VOICE-DATA EQUIP.- PROVIDE WALL MTD. BACKBOARD, 0.75" THICK A/O GRADE PLY-WOOD, SIZE A PRESCRIBED
	18" AFF	VOICE JACK WALL MTD QTY. JACKS AS SHOWN
	18" AFF	DATA JACK WALL MTD QTY OF JACKS AS SHOWN
	18" AFF	COMBO VOICE-DATA JACKS QTY. JACK DEVICES AS SHOWN
	18" AFF	TV / BROADBAND JACK(S) DUPLEX PLATE WALL MTD

NOTES

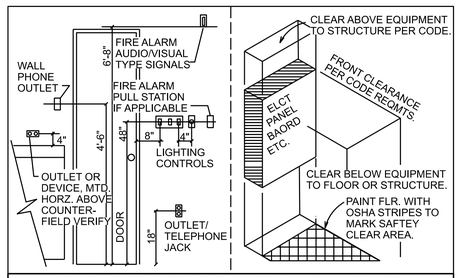
1- This Contractor Is To Provide For Wiring Pathways For Each Low-Voltage Device Shown Consisting Of A "Ring & String" And / Or Wall-Box & Conduit Stub-Ups. The Low-Voltage Cabling & System(s) Is "By-Others".
2- Ring & String= 2-Gang Wall Plaster Ring & String To Accessible Plenum.
3- Wall Box & Stub Up= 2-Gang (4" Square) Box With 1-Gang Plater-Ring, With 1.25" Conduit Stub-Up To Accessible Ceiling Plenum With A Pull-String From Box To Conduit End & Tied-Off.
4- Floor Box Mounted Devices= Provide A Floor Box Of Type As Prescribed With Low-Voltage Device Mounting Plates and 1.25" E.C. Under-Floor & Extended To The Tenants Accessible Plenum With Pull-String. Products, Set-Ups, Programming, & Related.
5- All Conduit / Raceway Bends Shall Be Long-Radius Bends (10X Diameter).
6- The Owner / Tenant Provides All The Remaing Materials\, Installation, Products, Set-Ups, Programming, & Related.



1 ELECTRICAL PLAN- 1st LEVEL (Basement)
1 IN = 8 FT 20 40



2 Telco VD Distb.Riser
No Scale



TYP. DEVICE & PANEL MOUNTING
DETAIL # - MG NOT TO SCALE

architecture
interiors
town planning

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 13252 ROBERT M. MADDOX 2018.07.26

THE MADDOX GROUP
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PRINTED: 18.07.26

DATE	COMMENTS
18.07.26	For Pricing, Permiting & Construction

FAYETTE COUNTY TRAINING FACILITY
RENOVATION

340 Hewell Road
Jonesboro, Georgia
30236

Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
ELECTRICAL PLAN 1st LEVEL

SHEET NO:
E-1.1

RELEASED FOR PERMIT OR CONSTRUCTION

WIRING & EQUIPMENT

SYMBOLS	DESCRIPTIONS
J	J-Box Clg / Wall Mtd. @ 24" AFF UNO
	Flexible Conduit, LT Damp-Wet Areas
	Solid Curved- Concealed Wiring
	Solid Straight- Exposed Wiring
	Dashed- In-Slab Or U.G. Wiring
	Arrowhead- Home Run As Shwon
	Surf. Mtd Multi-Channel Raceway
	Grounding Symbol / Grnd Rod
	Plywood Bkbd, Size As Noted
M	Motor, F- Fract, HP, #- HP
	Manual Motor Rated Switch, 30A, 3P, 600V, NEMA-3R Encls
	Magnetic Motor Combo Starter / Switch, Ratings As Noted Or Scheduled
	Electric Heat Unit
	Disc. Switch, Ratings As Noted
	Panel / Distb. Panel & Clearances
	Distrib. Equip. & Clearances
	Transformer & Clerances

NOTES & COMMENTS

1- Slingle Branch Circuit Homeruns (#12) To The Same Panel May Be Combined Into Multi-Circuit Homeruns Of No More Than (2) 3-Ckt/ 4-Wire Homeruns. Note Multi-Pole OCP Required At Panel.

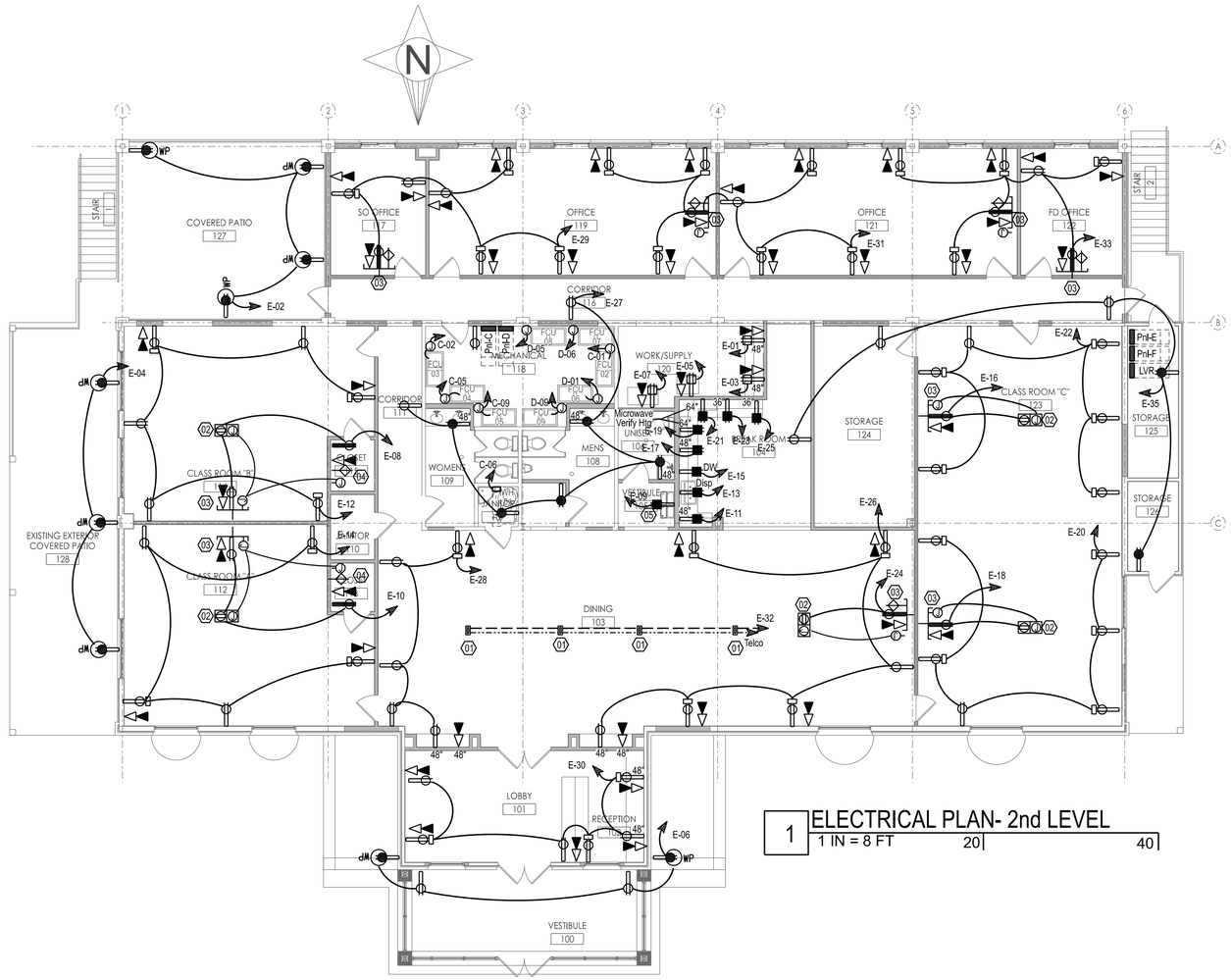
2- Every Ckt., Regardless Of Conduit Type, Shall Be Provided With A Green Ground Wire (#12 Min), Size Per Code U.N.O.

3- Where IG CKts. Are Required, Each IG Ckt. Shall Have A Seperate (Non-Shared) Neturall & A Shared Insulated Ground (IG) Conductor.

4-Grouping Of Controls / Switching May Be Indicated By Lower Case Letters (i.e.- a,b,c- - -).

LEGEND NOTES

18.07.25	Fayette Co Training Center (v3)	
#	Rv	LEGEND NOTES - E22	CO
01	-	Multi-Service Floor Box> 2-Service Box Assembly (~ 06x13) Field Verify & Match Floor Construction Type. Configure With Two Duplex Receptacles & 4-V-D Port Plates. Extend 2# 12+12G- 1"0"C Power As Shown. Extend V-D 1.25"C With Pull-Strings As Shown / To Accessible Plenum (Cabling & V/D Devices By Others). Field Verify Exact Location With Archt / Owner Prior To Rough-Ins. UL514A & UL514C (ScrubWater) (Not Fire-Rated) . Wiremold-RFB2 or Hubbell Equal.	
02	-	Clg Mtd AV Screen Outlet & Controls: Flush Ceiling Box, 2-Gang With (1) TVSS-Duplex Receptacle, (1) Empty J-Box For LV Controls, Extend 1.25" EC To Wall Box For Future LV Screen Control & Wiring By Others. Verify Exact Location With A/I. Support From Structure, Not Ceiling. Legrand-P&S Recessed TV Box TV3W-TVSS-Series Or Equal.	
03	-	Wall Mtd.3-Gang Rcpt & AV Outlet Box: Flush Wall Box With (2) TVSS-Duplex Receptacle, (1) 4-Jack Plate (Voice-Data, Cable TV, Etc.) Provision. 12" Below Ceiling (Verify Final Height With A/I/Owner). Legrand-P&S Recessed TV Box TV3W-TVSS-Series Or Equal.	
04	-	Wall Mtd. AV Rack Equipment Outlet(s): Flush Wall Box With (1) TVSS-Duplex Receptacle, (1) Voice-Data Jack Provision, (1) Cable TV Jack Provision. Verify Exact Height With A/I.	
05	-	Water-Cooler Outlet: Provide Dedicated GFCI Duplex Receptacle, 20A-125V-2W-G, Concealed Below Appliance, Coordinate Exact Mtg. Location With Cooler Installer.	
- -	-		- -
17-159		End Of Legend Notes	



1 ELECTRICAL PLAN- 2nd LEVEL
1 IN = 8 FT 20 40

RECEPTACLE DEVICES

15A	20A	MTG/UNO	DESCRIPTIONS
		18" AFF	RCPT- SINGLE
		18" AFF	RCPT- DUPLEX
		18" AFF	RCPT- QUAD (TWO DUPLEX)
		18" AFF	RCPT- DUPLEX GFCI
WP	WP	18" AFF	RCPT- DUPLEX WR-GFCI & WP IN-USE COVER
		18" AFF	RCPT- DUPLEX ISO.GRN. (SEE WIRING NOTES)
		18" AFF	RCPT- TWO DUPLEX ISO. GRN. (SEE WIRING NTS)
		18" AFF	RCPT- DUPLEX -TOP SWITCHED
		18" AFF	RCPT- TAMPER RESISTIANT DUPLEX
		18" AFF	RCPT- TAMPER RESISTIANT DUPLEX GFCI

COMMENTS & NOTES

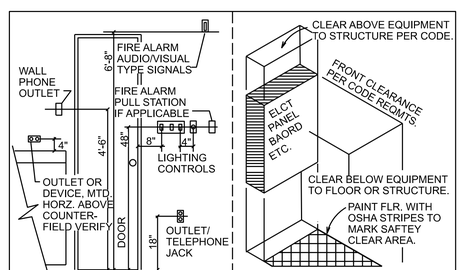
01- Devices To Be UL20, UL498 Listed & Labeled Where Applicable.
02- Devices To Be FSUL-WS896, FSUL-WC596 Compliant Where Applicable.
03- Devices To Be NFTA (Buy American) Where Avialable.
04- Devices To Be Legrand / P&S, PlugTail, Specification Grade Devices, UNO.
05- Device Face To Decor Style Unless Not Available In Decor Style.
06- Provide Smooth Finish Matching P&S Trade-Master Grade Cover Plates.
07- Products Of Other Manufactures, Equivalent In Apperance, Features, Performance, Rating & Size, Are Acceptable.
08- Color As Selected By Owner / Tenant Or Architect.
09- Field Verify Final Exact Location Prior To Rough-In With Archt., Owner / User.
10- Multiple Adjacent Devices Shall Be Mtd In Multi-Gang Box With Multi-Gang Cover.

LOW-VOLTAGE DEVICE - ROUGH-INS

SYMBOLS	MTG/UNO	DESCRIPTIONS
	FLR MTD	VOICE-DATA EQUIPMENT RACK/ CABINET, FREE STANDING (BY OTHERS)
	TOP 60" AFF	VOICE-DATA EQUIPMENT PANEL, WALL MOUNTED (BY OTHERS)
	BTM 18" AFF	VOICE-DATA EQUIP.- PROVIDE WALL MTD. BACKBOARD, 0.75" THICK A/D GRADE PLY-WOOD, SIZE A PRESCRIBED
	18" AFF	VOICE JACK WALL MTD QTY. JACKS AS SHOWN
	18" AFF	DATA JACK WALL MTD QTY OF JACKS AS SHOWN
	18" AFF	COMBO VOICE-DATA JACKS QTY. JACK DEVICES AS SHOWN
	18" AFF	TV / BROADBAND JACK(S) DUPLEX PLATE WALL MTD

NOTES

1- This Contractor Is To Provide For Wiring Pathways For Each Low-Voltage Device Shown Consisting Of A "Ring & String" And / Or Wall-Box & Conduit Stub-Ups. The Low-Voltage Cabling & System(s) Is "By-Others".
2- Ring & Strings- 2-Gang Wall Plaster Ring & String To Accessible Plenum.
3- Wall Box & Stub Ups- 2-Gang (4" Square) Box With 1-Gang Plaster-Ring, With 1.25" Conduit Stub-Up To Accessible Ceiling Plenum With A Pull-String From Box To Conduit End & Tied-Off.
4- Floor Box Mounted Devices= Provide A Floor Box Of Type As Prescribed With Low-Voltage Device Mounting Plates and 1.25" E.C. Under-Floor & Extended To The Tenants Accessible Plenum With Pull-String. Products, Set-Ups, Programming, & Related.
5- All Conduit / Raceway Bends Shall Be Long-Radius Bends (10X Diameter).
6- The Owner / Tenant Provides All The Remaing Materials, Installation, Products, Set-Ups, Programming, & Related.



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FAYETTE COUNTY

COMMISSION / JOB NO:
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SHEET TITLE:
ELECTRICAL PLAN 2nd LEVEL

SHEET NO:
E-1.2

RELEASED FOR PERMIT OR CONSTRUCTION

Generated by COM*check-Web* Software

Interior Lighting and Power Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

Project Type: **New Construction**
Project Title : Fayette Co Training Center

Construction Site:
340 Hewell Road
Jonesboro, Georgia 30236

Owner/Agent:

Designer/Contractor:

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Business (Common Space Types:Classroom/Lecture/Training)	16480	1.4	23072
		Total Allowed Watts =	23072

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Business (Common Space Types: Classroom/Lecture/Training, 16480 sq.ft.)				
Linear Fluorescent: A1: 22" T5 HO 24W: Electronic:	3	35	84	2940
Linear Fluorescent: A2: 48" T8 32W: Electronic:	2	2	57	114
Linear Fluorescent: A3: 48" T8 32W: Electronic:	3	107	88	9416
LED: B: Other:	1	66	27	1782
LED: C: Other:	1	16	20	320
Linear Fluorescent: D: Not Used: Other: Electronic:	1	1	71	71
Linear Fluorescent: F: Not Used: 22" T5 14W: Electronic:	2	1	32	32
Compact Fluorescent: G: Triple 4-Pin 26W: Electronic:	8	1	184	184
Compact Fluorescent: H: Triple 4-Pin 26W: Electronic:	8	1	184	184
Linear Fluorescent: J2: 48" T8 32W: Electronic:	2	4	57	228
Linear Fluorescent: J3: 48" T8 32W: Electronic:	3	4	88	352
Linear Fluorescent: K: 48" T8 32W: Electronic:	2	3	57	171
Linear Fluorescent: KX: 48" T8 32W: Electronic:	2	6	57	342
Linear Fluorescent: L: 57" T5 35W: Electronic:	2	1	81	81
LED: M: Other:	1	6	20	120
Linear Fluorescent: N: 34" T5 HO 39W: Electronic:	1	14	43	602
LED: O: Other:	1	1	25	25
Linear Fluorescent: P: 48" T8 32W: Electronic:	4	4	104	416
Linear Fluorescent: Q: 48" T8 32W: Electronic:	4	22	104	2288
Linear Fluorescent: QX: 48" T8 32W: Electronic:	4	10	104	1040
Compact Fluorescent: R: Triple 4-Pin 26W: Electronic:	2	3	46	138
Compact Fluorescent: RX: Triple 4-Pin 26W: Electronic:	2	8	46	368
		Total Proposed Watts =		21214

Interior Lighting PASSES: Design 8% better than code.

Section 4: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 90.1 (2007) Standard requirements in COM*check-Web* and to comply with the mandatory requirements in the Requirements Checklist.

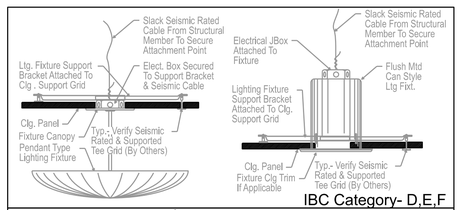
Robert M. Maddox, PE
Name - Title | Signature | Date

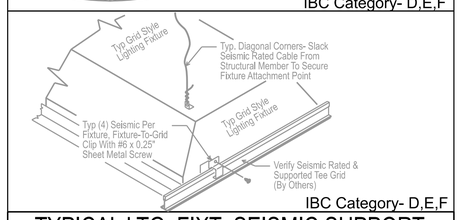
Section 5: Post Construction Compliance Statement

Record Drawings and Operating and Maintenance Manuals:

1. Construction documents with record drawings and operating and maintenance manuals provided to the owner.

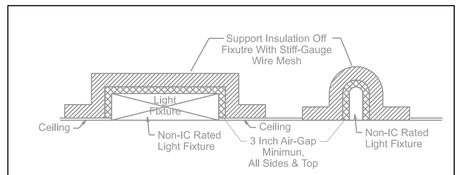
Lighting Designer or Contractor Name | Signature | Date





TYPICAL LTG. FIXT. SEISMIC SUPPORT

DETAIL # - MG NOT TO SCALE



CLG. INSULATION AT LTG DETAIL

Detail # : Not To Scale

Generated by COM*check-Web* Software

Exterior Lighting Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

Project Type: **New Construction**
Project Title : Fayette Co Training Center

Construction Site:
340 Hewell Road
Jonesboro, Georgia 30236

Owner/Agent:

Designer/Contractor:

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Side (Other entry/exit)	600 ft of door width	20	Yes	12000	704
Lwr Lvl (Other entry/exit)	24 ft of door width	20	Yes	480	0
Upr Lvl (Other entry/exit)	6 ft of door width	20	Yes	120	0
Front (Attached canopy)	290 ft2	1.25	Yes	362	0
			Total Tradable Watts* =	12962	704
			Total Allowed Watts =	12962	
			Total Allowed Supplemental Watts** =	648	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.

** A supplemental allowance equal to 648 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Side (Other entry/exit, 600 ft of door width): Tradable Wattage				
Linear Fluorescent: WA: 35" T5 21W: Electronic:	2	11	49	539
LED: WB / WBX: Other:	1	11	15	165
Front (Attached canopy, 290 ft2): Tradable Wattage				
Upr Lvl (Other entry/exit, 6 ft of door width): Tradable Wattage				
Lwr Lvl (Other entry/exit, 24 ft of door width): Tradable Wattage				
			Total Tradable Proposed Watts =	704

Section 4: Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 90.1 (2007) Standard requirements in COM*check-Web* and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title | Signature | Date

COM*check* Software Version 4.9.3

Inspection Checklist

Energy Code: 90.1 (2007) Standard

Requirements: 0.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

90.1 (2007) Standard	Plan Review	Complies?	Comments/Assumptions
4.2.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
8.4.1.1, 8.4.1.2 [PR6][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

90.1 (2007) Standard	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
9.4.1.1 [EL1][1]	Automatic controls to shut off all building lighting installed in buildings >5,000 ft2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.4.1.2 [EL2][1]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.4.1.3 [EL3][1]	Automatic lighting controls for exterior lighting installed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.4.1.4 [EL4][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.4.2 [EL5][1]	Ballasted one and three lamp fixtures with >30 W/lamp have two lamp tandem wired ballasts when >=2 fixtures in same space on same control.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.4.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.4.4 [EL7][1]	Exterior grounds lighting over 100 W provides >60 lm/W unless on motion sensor or fixture is exempt from scope of code or from external LPD.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.6.2 [EL8][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

90.1 (2007) Standard	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [FI16][1]	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
8.7.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
9.2.2.3 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
9.4.5 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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RENOVATION

340 Hewell Road
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Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
LIGHTING SCHEDULES

SHEET NO:
E-2.0

RELEASED FOR PERMIT OR CONSTRUCTION

LIGHTING FIXTURE SCHEDULE

Proj: **Fayette Co Training Center (v3)** | 18.07.25 Date
Loc: **Jonesboro, GA. 30236** | KAOD | Const. Status

Fixt ID	General Lighting Fixture Descriptions	Ttl Mean Lumens	Lamp Qty & Type	Ballast-Driver Type	Power V	Power VA	Mount. Notes	Item Notes	Manufacturer Series / Model	Revs #
A	Center Lens Fixt, 2x4- LED Lamp, Curved White Acrylic Lenses, 5-Yr Warranty, Non-Dimming	4,912 (ML)	LED, 83-CRI, 35k-CCT	Fixed; 10%-THD; 0.95PF	UNV 120-277	40	FIC	-	Columbia: LCAT-24-80CRI-35k-ML- G-NoAir-E-Unv	-
B	Center Lens Fixt, 2x4- LED Lamp, Curved White Acrylic Lenses, 5-Yr Warranty, 1%-Dimming	4,912 (ML)	LED, 83-CRI, 35k-CCT	0-10V 1%-Dimm; 10%-THD; 0.95PF	UNV 120-277	40	FIC	-	Columbia: LCAT-24-80CRI-35k-ML- G-NoAir-ED1-Unv	-
C	Center Lens Fixt, 2x2- LED Lamp, Curved Prismatic Acrylic Lenses, 5-Yr Warranty, 1%-Dimming	3,420 (ML)	LED, 83-CRI, 35k-CCT	0-10V 1%-Dimm; 10%-THD; 0.95PF	UNV 120-277	29(ML)	FIC	-	Columbia: LCAT-22-80CRI-35k-ML- G-Curve-NoAir-ED1-Unv	-
D	04 Ft- Linear 04Wx05H X-Sect., LED Asymmetric-Wall-Wash, Flush-Mtd, Matte-White Trim. 1%-Dimming	750 Lu/ Ft	LED, 85-CRI, 35k-CCT	0-10V 1%-Dimm; 10%-THD; 0.95PF	UNV 120-277	6 W/ Ft	FIC	-	LumenWerx VIA-4R Series: VIA+ 4R+ WRO2+ 750 Lu LED+ 35 kCCT+ 04 Ft+ UNV+ D1+ 1Ckt+ Mtg+ White+ LSC	-
E	Center Lens Fixt, 2x2- LED Lamp, Curved Prismatic Acrylic Lenses, 5-Yr Warranty, Non-Dimming	3,420 (ML)	LED, 83-CRI, 35k-CCT	Fixed; 10%-THD; 0.95PF	UNV 120-277	29(ML)	FIC	-	Columbia: LCAT-22-80CRI-35k-ML- G-Curve-NoAir-E-Unv	-
F	06 In LED Dnlt, 45D Cut-Off, Diff-Lens, Satin-Haze Alzak Reflector & Trim Ring, Damp/Wet Location, 5-Yr Warranty, Med Distb; Non-Dimm	2,000	LED, 90-CRI, 35k-CCT	Fixed; 10%-THD; 0.95-PF	MV 120V 277V	27	FIC		Elite-MaxiLume: HH6-LED-2000Lumens-MVolt-MD-35k-85+CRI-6501-CL-WH	-
G	07 Inch Rnd, 1.25 In Deep LED Surface Unit (Flush JBox Mtd) White Trim Ring, Damp-Wet Location, 5-Yr Warranty, Non-Dimm	1032 Lu (7")	LED, 90-CRI, 35k-CCT	Fixed; 10%-THD; 0.95-PF	120V	17(7")	SM On Flush J-Box	-	Prescolite LiteBox: LBS-7"-LED-A-10LED-35K-90CRI-WH-LBS Mtg Kit	-
H	28"L, 2.75"W, 2.5"D, LED, Vanity Wall. Sconce Fixture, ADA Complaint, White Acrylic Diffuse & Satin Nickel Hardware, Non-Dimming	1,725	LED, 90-CRI, 35k-CCT	HPF LED Driver; Ouput-Fixed	120 or 277V	27	Horz / Vert Wall Htg Per Archt		Oxygen Apollo Series: 3x-524-24	
I	32"L, 2.75"W, 2.5"D, LED, Vanity Wall. Sconce Fixture, ADA Complaint, White Acrylic Diffuse & Satin Nickel Hardware, Non-Dimmable	1,751 Lu	LED, 90-CRI, 35k-CCT	Fixed; 10%-THD; 0.95-PF	120	20	Horz / Vert Wall Htg Per Archt		Oxygen Apollo Series: 3-525-24	
J	Under-Cabinet, LED, Steel Housing & UV-PolyCarb. Lens, Non-Dimm, 33-Long; 3-Wire Cord-Set (CS)	~ 450 Lu/Ft	LED, 83-CRI, 35k-CCT	Fixed; 10%-THD; 0.95PF	120V	~ 5 W/ Ft	Under Cabinet Face Wall	-	Elite-Oracle E-LED Series: EU-LED-33"-120V-35k-WH-CS	-
K	08-Ft, Linear LED Arm-Mtd Direct-Asymmetric + Indirect-Asymmetric Distribution; Rect-Cross-Sect. Modular Units For Continuous Runs, Tandem-Wired. *Pre-Order Verify Final Length(s), Mtg, Clg Type(s) With Architet-Owner & GC (xxx Approx Ft Length)*	750 Lu-Ft, UpLt 750 Lu-Ft-Dn-Lt	LED, 85-CRI, 35k-CCT	0-10V Dimm To 01%; 10%-THD; 0.95PF	UNV 120-277	6 W/ Ft + 6.0 W/ Ft	Wall Mtd At Hlg Per Archt & Dfts.	-	LumenWerx VIA-4-LED Series: VIA+4+WD!+ARO2+ARO+LED+90CRI+?750DLuFt+???50lnLuFt+35kCCT+##Ft+Unv-D1-2Ckt+DMB+W+LSC+Options	-
L	08-Ft, Linear LED Cable-Mtd Rotable Accent-Asymmetric Distribution; Soft-Curve Cross-Sect. Modular Units For Continuous Runs, Tandem-Wired. Custom Finish, 1%-Dimmable. *Pre-Order Verify Final Length(s), Mtg, Clg Type(s) With Architet-Owner & GC*	950 Lu/ Ft	LED, 85-CRI, 35k-CCT	0-10V 1%-Dimm; 10%-THD; 0.95PF	UNV 120-277	8 W/ Ft	Clg Mtd, Aim For Uniform Ltg.	-	LumenWerx AXLE-LED Series: AXL+WAI-APO-LED +90CRI +950 Lu/F+35kCCT +8Ft+ Unv-D1- 1Ckt +DMB +Custom +LSC	-
M	8-Ft Indust. LED Reflector, Apert-Top, Adjustable V-Hangers, Optics> Wide-Distb + Frosted Acrylic Lens; Sensor> Occupancy	~17,000	60k Hr (L80) LEDs, 83-CRI, 35k-CCT	Fixed; 10%-THD; 0.95PF	UNV 120-277	83	PH Per Dfts	-	Columbia Series MPL-8 Ft+ 83CRI+ 35kCCT+ ML Lu+ W+SFA Distb+ E-UNV+ VHang+ OS360-30	

Fixt ID	Wet-Location Outdoor Lighting Fixture Descriptions	Ttl Mean Lumens	Lamp Qty & Type	Ballast-Driver Type	Power V	Power VA	Mount. Notes	Item Notes	Manufacturer Series / Model	Revs #
WA	30Hx06Wx04D, UL-Wet-Location, LED, Wall Mt. Columinar Fixture, ADA Compliant, Stainless-Steel Base With Satin-White Diffuser & Satin Nickel Trim	2,830	LED, 85-CRI, 35k-CCT	Fixed; 10%-THD; 0.95PF, TVSS	UNV-120-277	24	WM Vert @ Hlg Per Archt-Own		ASL BCJ-SN Series: BCJ-SN+ 24 W+ 2830 Lu+ 35K+ 30 H+ MV-DV+ FSN+ SRP	
WB	UL-Wet-Location,LED Wall Pack, Med. Size (11Wx06Hx07D), Full-Cut-Off, Die-Cast AL Housing Bronze (Verify> Archt-Owner)	4,270	LED, 85-CRI, 4.0 kCCT, Distb. Type- FwdThrow	Fixed; 10%-THD; 0.95PF, TVSS	UV 120-277	43	WM, High As Possible, Per Archt	-	Hubbell LNC2 Series: LNC2+ 18-LED+ 4kCCT+ 700 DC+ FT Distb+ Unv+Std Mtg+ Brz-Finish	-
WC	UL-Wet-Location,LED Wall Pack, Small (09Wx06Hx05D), Full-Cut-Off, Die-Cast AL Housing, Bronze Finish (Verify Per Archt-Owner)	2,059	LED, 85-CRI, 4.0 kCCT, Distb. Type- xx	Fixed; 10%-THD; 0.95PF, TVSS	UV 120-277	22	WM As High Possible, Per Archt	-	Hubbell LNC Series: LNC+ 09 Lu+ 4kCCT+ 4-Distb+ Brz-Finish	-
WD	UL Damp Rated Clg Mtd. LED 16 In-Dia Opal White Acrylic Dome With Satin Nickel Trim On Steel Base, 5-Yr Warranty	1,720	LED, 85-CRI, 35k-CCT	Fixed; 10%-THD; 0.95PF, TVSS	UNV 120-277	16	Clg Mtg	-	ASL HRO Series: 16 W+ 35k+ 1720 Lu+ 16 Dia+ MV-DVDim+ FSN+ LCU+ SRP	-
WE	- - Not Used - -	- -	- - - -	- - - -	- - - -	- -	- -	- -	- - Not Used - -	-
WF	Outdoor Damp-Rated Orbiting Caged Fan Unit (No Light), 3-Blade, With Matching Clg-Wall Mount, Speed Control, Mtg. Heigth & Finish Per Architect-Owner. (Black, Bronze, Pewter, Nickle)	847 CFM Air Flow	No Light	Fan Mtd. 3-Speed Non-Reversing + Remote Wall Ctrl.	120	85	Stem Mtd, Verify Length		Fanmation Extraordinaire Unit- Equal By Casablancal or Modern Fan Co	-

Fixt ID	Exit Signs & Emergency Ltg. Units Fixture Descriptions	Ft FC Avg	Unit Heads Qty & Type	Unit Battery	Power V	Power VA	Mount. Notes	Item Notes	Manufacturer Series / Model	Revs #
X1	White Thermoplastic Emerg. Ltg. Unit, 2-LED MR16 Heads, UL924+NFPA101 Self-Diagnostic-Testing. 3-Yr Full & 5-Yr Pro-Rata Warranty	na	(2) 3.6V-3.6W LED-MR16, 50k Hr Life	3.6-V Nickle-Metal-Hydride	UNV-120, 277	7.5	Clg / WM High	1	LightAlarms: LCA-2LED	-
X2	White Thermoplastic Emerg. Ltg. Unit; LED NiCad Battery, UL924+NFPA101 Self-Diagnostic-Testing, Vandal-Resistant. 3-YR Warranty	80x06 @15Ft	(2) 6.0 W-LED MR16 Heads	12 VDC Sealed Lead-Calcium	UNV-120, 277	7.5	Clg / WM High	1	LightAlarms Grande Series: 2Hd-GR12N4-(2) LD10-WB-ID-T2-DL-CM/PM	-
XOF	Dual-Function LED Extr & Batt.Egress Wall-Light, Die-Cast Alumn. Vandal-Resistant, Wet Location, Self-Contained Norm-AC / Emerg. Batt. Unit, Photo-Cell; Heater & Self-Test-Monitor-Alarm, Color Per Archt-Owner- Black, Dk-Bronze, Off-White; Platinum-Gray	640	Forward Throw, Hi-Lumen Output LED	Nickle-Metal Hydride With Self-Diagnostics	UNV	3 / 15(Hlr)	WM Abv Door	1	LightAlarms Camray LED: CAM-ACSD-Color--CS-FT-HL-PC	-
XOW	Same As Type-"XOF", Except With "Wide-Throw" Distribution	640	Wide / Forward Throw, Hi-Lumen Output LED	Nickle-Metal Hydride With Self-Diagnostics	UNV	3 / 15(Hlr)	WM Abv Door	1	LightAlarms Camray LED: CAM-ACSD-Color--CS-FT-HL-PC	-
XU	Combo LED Exit Sign, 1/2 Face, 2-Adjust.LED Heads, Univ Mtg, Batt-Back-Up, Red Ltr, Arrows As Needed, Self-Test-Alarm. 3-Yr. Warranty; White; (17W 13H 04D)	~ 89 OC, 07 MH	(2) 6.0 W-LED MR16 Heads; 80Cx15Hx06W	12 VDC- Lead-Calcium With Self-Diagnostics	UNV	5	UM	1	LightAlarms GRANDE Series: GR-1224M-R-U-W-2HD-LD10-ID	-

SPECIFIC ITEM NOTES

1-	Connect Emerg Battery To Unswitched Source	2-	Refer To Interior Lighting Plans & Schedules For Details.
3-		4-	

Misc Abbrevations		Lamp / Ballast / Driver Terms		Mounting Terms	
FBO-	Furnished By Owner Complete U.N.O.	CRI	Color Rending Index (Of Lamp)	BFC-	Below Finished Ceiling
FMC-	Fixt. Material Cost With Lamps & Hardware Complete	xx K	Kelvin (Lamp Color)	CB-	Concrete Base- See Details
IBC -	Installed Complete By Contractor, U.N.O.	Lum	Lumens (Lamp Light Output)	FIC-	Flush In Ceiling
		mA	Milli-Amp (LED Driver Rating)	FIG-	Flush In Grade
PBC-	Provided By Contractor	PS	Programmed Start		
SBO-	Selected By Owner	STA	Self-Test & Alarm	PH-	Pend Hung,Htg As Ntd; Per Archt
		RS	Rapid Start	SM-	Surface Mtd On Ceiling Or Structure
		THD	Total Harmonic Distrotion Max.	WM-	Wall Mtd- Htg As Noted; Per Archt.

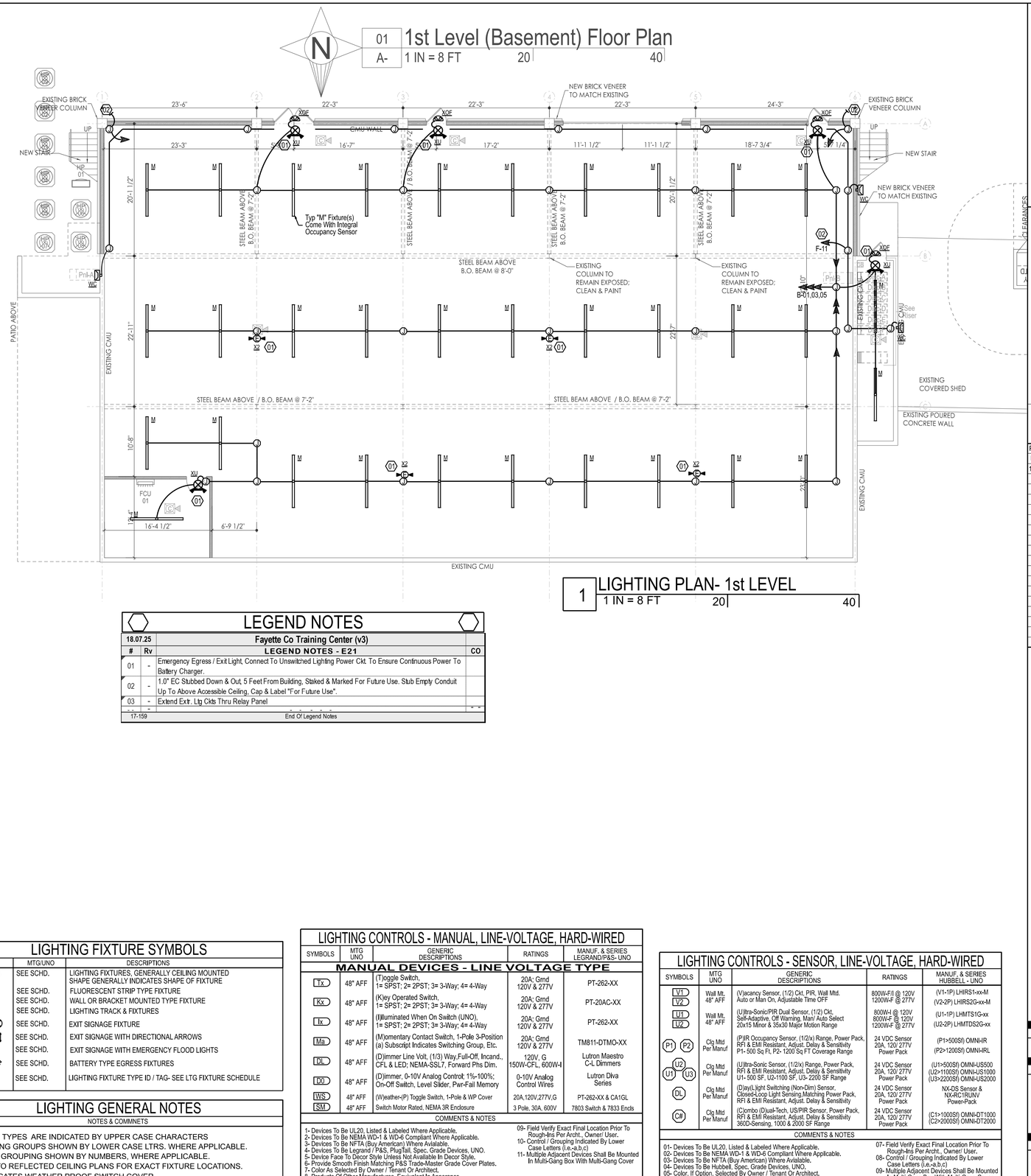
ALTERNATES / PRIOR APPROVAL REQUEST

AA	Project Base Quote Shall Be Based On The Lighting As Scheduled & Specified.
AB	Lighting Products Of Other Manufacturers May Be Submitted As Add Or Deduct Alternates, Complete With Labeled Fixtures & Lampe Data, Cut-Sheets & Any Variations From The Specified Fixtures Must Be Denoted.

SUBMITTALS REQUIRED

SA	A Complete Submittal Is Required, Including Cover-Page, Bill-Of-Materials, & Individual Product Data. **The Submittal Shall Bear The "Compliance Statement" & Reviewed Stamp" Of The Supplier, Sub-Contractor & General Contractor. Failure To Do So Is Grounds For Automatic Rejection Of Submittals.**
SB	Each Items Cut-Sheet Shall be Labeled With Specific Choices Marked, Including Lamp Data, Indicating Full Compliance With The Criteria-Specification Requirements.

MADDOX GROUP INC. — End Of Lighting Fixture Schedule - See Lighting Criteria — 17-159



01 **1st Level (Basement) Floor Plan**
A- 1 IN = 8 FT 20 40

1 **LIGHTING PLAN- 1st LEVEL**
1 IN = 8 FT 20 40

LEGEND NOTES

18.07.25 — Fayette Co Training Center (v3)

#	Rv	LEGEND NOTES - E21	CO
01	-	Emergency Egress / Exit Light, Connect To Unswitched Lighting Power Ckt. To Ensure Continuous Power To Battery Charger.	
02	-	1.0" EC Stubbed Down & Out, 5 Feet From Building, Staked & Marked For Future Use. Stub Empty Conduit Up To Above Accessible Ceiling, Cap & Label "For Future Use".	
03	-	Extend Extr. Ltg Ckts Thru Relay Panel	
- -	- -	- - - - -	- -
17-159		End Of Legend Notes	

LIGHTING FIXTURE SYMBOLS

SYMBOLS	MTG/UNO	DESCRIPTIONS
	SEE SCHD.	LIGHTING FIXTURES, GENERALLY CEILING MOUNTED SHAPE GENERALLY INDICATES SHAPE OF FIXTURE
	SEE SCHD.	FLUORESCENT STRIP TYPE FIXTURE
	SEE SCHD.	WALL OR BRACKET MOUNTED TYPE FIXTURE
	SEE SCHD.	LIGHTING TRACK & FIXTURES
	SEE SCHD.	EXIT SIGNAGE FIXTURE
	SEE SCHD.	EXIT SIGNAGE WITH DIRECTIONAL ARROWS
	SEE SCHD.	EXIT SIGNAGE WITH EMERGENCY FLOOD LIGHTS
	SEE SCHD.	BATTERY TYPE EGRESS FIXTURES
XXX	SEE SCHD.	LIGHTING FIXTURE TYPE ID / TAG- SEE LTG FIXTURE SCHEDULE

LIGHTING GENERAL NOTES

NOTES & COMMNETS

FIXTURE TYPES ARE INDICATED BY UPPER CASE CHARACTERS
SWITCHING GROUPS SHOWN BY LOWER CASE LTRS. WHERE APPLICABLE.
CIRCUIT GROUPING SHOWN BY NUMBERS, WHERE APPLICABLE.
REFER TO REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS.
WP INDICATES WEATHER PROOF SWITCH COVER.

LIGHTING CONTROLS - MANUAL, LINE-VOLTAGE, HARD-WIRED

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF. & SERIES LEGRAND/P&S- UNO
MANUAL DEVICES - LINE VOLTAGE TYPE				
Tx	48" AFF	(T)oggle Switch, 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A: Grnd 120V & 277V	PT-262-XX
Kx	48" AFF	(K)ey Operated Switch, 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A: Grnd 120V & 277V	PT-20AC-XX
Ix	48" AFF	(I)lluminated When On Switch (UNO), 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A: Grnd 120V & 277V	PT-262-XX
Ma	48" AFF	(M)omentary Contact Switch, 1-Pole 3-Position (a) Subscript Indicates Switching Group, Etc.	20A: Grnd 120V & 277V	TM811-DTMO-XX
DL	48" AFF	(D)immer Line Volt, (1/3) Way,Full-Off, Incand., CFL & LED; NEMA-SSL7, Forward Phs Dim.	120V, G 150W-CFL, 600W-I	Lutron Maestro C-L Dimmers
D0	48" AFF	(D)immer, 0-10V Analog Control; 1%-100%; On-Off Switch, Level Slider, Pwr-Fail Memory	0-10V Analog Control Wires	Lutron Diva Series
WS	48" AFF	(W)eather-(P) Toggle Switch, 1-Pole & WP Cover	20A,120V,277V,G	PT-262-XX & CA1GL
SM	48" AFF	Switch Motor Rated, NEMA 3R Enclosure	3 Pole, 30A, 600V	7803 Switch & 7833 Encls

COMMENTS & NOTES

1- Devices To Be UL20, Listed & Labeled Where Applicable.
2- Devices To Be NEMA WD-1 & WD-6 Compliant Where Applicable.
3- Devices To Be NFTA (Buy American) Where Avalable.
4- Devices To Be Legrand / P&S, PlugTail, Spec. Grade Devices, UNO.
5- Device Face To Decor Style Unless Not Available In Decor Style.
6- Provide Smooth Finish Matching P&S Trade-Master Grade Cover Plates.
7- Color As Selected By Owner / Tenant Or Architect.
8- Products Of Other Manufactures, Equivalent In Apperance, Features, Performance, Rating & Size, Are Acceptable.
09- Field Verify Exact Final Location Prior To Rough-Ins Per Archt., Owner/ User.
10- Control / Grouping Indicated By Lower Case Letters (i.e.-a,b,c)
11- Multiple Adjacent Devices Shall Be Mounted In Multi-Gang Box With Multi-Gang Cover

LIGHTING CONTROLS - SENSOR, LINE-VOLTAGE, HARD-WIRED

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF. & SERIES HUBBELL - UNO
V1 / V2	Wall Mt. 48" AFF	(V)acancy Sensor, (1/2) Ckt, PIR, Wall Mtd. Auto or Man On, Adjustable Time OFF	800W-F/I @ 120V 1200W-F @ 277V	(V1-1P) LHIRS1-xx-M (V2-2P) LHIRS2G-xx-M
U1 / U2	Wall Mt. 48" AFF	(U)ltra-Sonic/PIR Dual Sensor, (1/2) Ckt. Self-Adaptive, Off Warning, Man/ Auto Select 20x15 Minor & 35x30 Major Motion Range	800W-I @ 120V 800W-F @ 120V 1200W-F @ 277V	(U1-1P) LHMTS1G-xx (U2-2P) LHMTDS2G-xx
P1 / P2	Clg Mtd Per Manuf	(P)IR Occupancy Sensor, (1/2)x) Range, Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity P1- 500 Sq Ft, P2- 1200 Sq FT Coverage Range	24 VDC Sensor 20A, 120/ 277V Power Pack	(P1=500Sf) OMNI-IR (P2=1200Sf) OMNI-IRL
U1 / U2 / U3	Clg Mtd Per Manuf	(U)ltra-Sonic Sensor, (1/2)x) Range, Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity U1- 500 SF, U2-1100 SF, U3- 2200 SF Range	24 VDC Sensor 20A, 120/ 277V Power Pack	(U1>500Sf) OMNI-US500 (U2=1100Sf) OMNI-US1000 (U3>2200Sf) OMNI-US2000
DL	Clg Mtd Per Manuf	(D)ay(L)ight Switching (Non-Dim) Sensor, Closed-Loop Light Sensing,Matching Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity	24 VDC Sensor 20A, 120/ 277V Power Pack	NX-DS Sensor & NX-RC1RUNV Power-Pack
C#	Clg Mtd Per Manuf	(C)ombo (D)ual-Tech, US/PIR Sensor, Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity 360D-Sensing, 1000 & 2000 SF Range	24 VDC Sensor 20A, 120/ 277V Power Pack	(C1>1000Sf) OMNI-DT1000 (C2>2000Sf) OMNI-DT2000

COMMENTS & NOTES

01- Devices To Be UL20, Listed & Labeled Where Applicable.
02- Devices To Be NEMA WD-1 & WD-6 Compliant Where Applicable.
03- Devices To Be NFTA (Buy American) Where Avalable.
04- Devices To Be Hubbell, Spec. Grade Devices, UNO.
05- Color, If Option, Selected By Owner / Tenant Or Architect.
06- Products Of Other Manufactures, Equivalent In Apperance, Features, Performance, Rating & Size, Are Acceptable.
07- Field Verify Exact Final Location Prior To Rough-Ins Per Archt., Owner/ User.
08- Control / Grouping Indicated By Lower Case Letters (i.e.-a,b,c)
09- Multiple Adjacent Devices Shall Be Mounted In Multi-Gang Box With Multi-Gang Cover

architecture
interiors
town planning

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PRINTED: 18.07.26

DATE	COMMENTS
18.07.26	For Pricing, Permiting & Construction

FAYETTE COUNTY TRAINING FACILITY RENOVATION

340 Hewell Road
Jonesboro, Georgia
30236

Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO: 1465.17

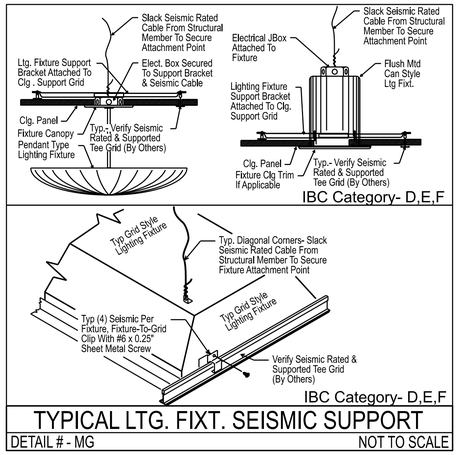
SHEET TITLE: LIGHTING PLAN 1st LEVEL

SHEET NO: E-2.1

RELEASED FOR PERMIT OR CONSTRUCTION

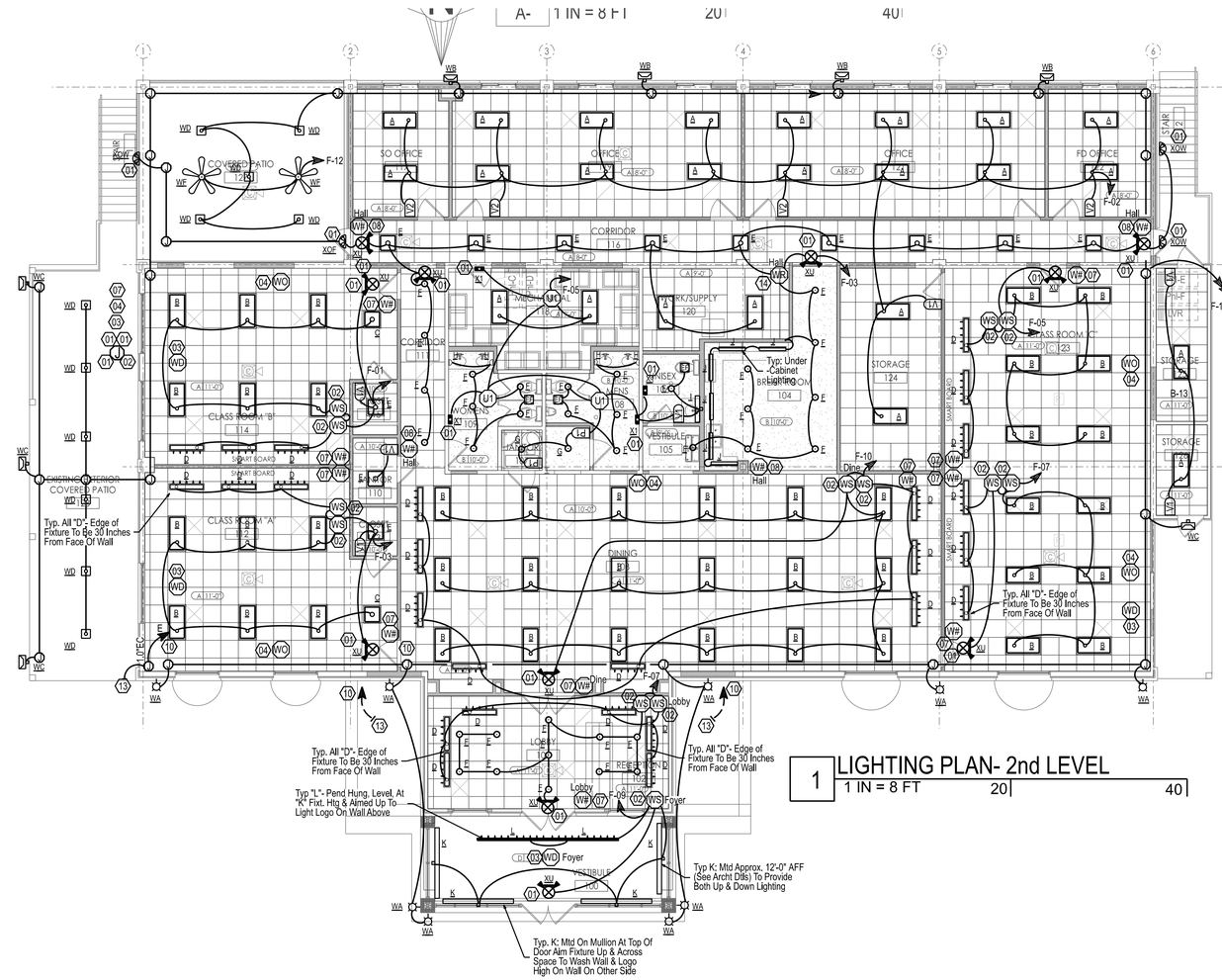
LEGEND NOTES

18.07.25		Fayette Co Training Center (v3)	
#	Rv	LEGEND NOTES - E22	CO
01	-	Emergency Egress / Exit Light, Connect To Unswitched Lighting Power Ckt. To Ensure Continuous Power To Battery Charger.	
02	-	RF Wireless Ltg Control Dimming Module, 120/277V, 05A, 0-10V Dimming, J-Box Mtd, One Per Switch-Leg Required. (Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius), Ensure Matching 0-10V Dimming Ballast / Drivers In Ltg Fixtures. Lutron RMJ-5T-DV-B.	
03	-	RF Wireless Day-Light Sensor.10-Yr Batt. Life. Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius. Clg Ort Wall (High As Possible) Mtd. Lutron LRF2-DCRB-White Series. Placemnt Per Manuf.	
04	-	RF Wireless 180D Ltg Occupancy-Vacancy Sensor. 10-Yr Batt. Life. Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius. Clg Ort Wall (High As Possible) Mtd. Lutron LRF2-180-O Series ()	
05	-	RF Wireless 090D Ltg Occupancy-Vacancy Sensor. 10-Yr Batt. Life. Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius. Clg Ort Wall (High As Possible) Mtd. Lutron LRF2-090-O Series,	
06	-	RF Wireless Hall Ltg Occupancy-Vacancy Sensor. 10-Yr Batt. Life. Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius. Clg Ort Wall (High As Possible) Mtd. Lutron LRF2-Hall-O Series,	
07	-	RF Wireless Ltg Wall Control Station. 10-Yr Batt Life. Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius. Lutron PICO Series, Verify Final Color. 3-Button With Raise-Lower Dimming- 3BRL.	
08	-	RF Wireless Ltg Wall Control Station. 10-Yr Batt Life. Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius. Lutron PICO Series, Verify Final Color. 3-Switch Button Station- 3B.	
09	-	Future Note Space	
10	-	Extend Ckt Thru LV Switching Relay In LV Relay Pnl LVRP, Provide Unswitched Leg For Any Battery Packs.	
11	-	Future Note Space	
12	-	Future Note Space	
13	-	1.0" EC Stubbed Down & Out, 5 Feet From Building, Staked & Marked For Future Use. Stub Empty Conduit Up To Above Accessible Ceiling, Cap & Label "For Future Use".	
14	-	RF Wireless Ltg Control Switching Relay, 120/277V, 16A Rated, J-Box Mtd, One Per Switch-Leg Required. (Must Be Matching To Other Lutron RF Wireless Controls Within 30 FT Radius). Lutron RMJ-16R-DV-B.	
- -	-	- - - - - -	- -
17-159		End Of Legend Notes	



TYPICAL LTG. FIXT. SEISMIC SUPPORT

DETAIL # - MG NOT TO SCALE



1 LIGHTING PLAN- 2nd LEVEL

1 IN = 8 FT 20 40

LIGHTING CONTROLS - WIRELESS TYPE

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF, & SERIES LUTRON - UNO
WIRELESS DEVICES				
W#	Wall Mtd 48" AFF UNO	(W)ireless Push-Button Remote (#= Qty Buttons), RF-Based, WireLess Comm, EMI Resistant, UL, FCC Approved, Color (WH,BL,IV,LA,WG) Per Archt-Owner.	WireLess 10 Year Batt Life	PICO PJ2 Series (01-03 Button - UNO)
WC	Clg Or Wall Mtd High As Possible	(W)ireless (C)orner Occupancy Sensor, RF-Based WireLess Comm, EMI Resistant, UL, FCC Approved, Fl. Range> 30 Ft Minor / 50 Ft Major Motion.	WireLess 10 Year Batt Life	LRF-2-O- 90 Deg Corner Mtd. Coverage
WH	Clg Or Wall Mtd High As Possible	(W)ireless (H)all-Way Occupancy Sensor, RF-Based WireLess Comm, EMI Resistant, UL, FCC Approved, Fl. Range> 6Wx50L; 8Wx100L;10Wx150L	WireLess 10 Year Batt Life	LRF-2-O- Hall-Way Long Coverage
WO	Clg Or Wall Mtd High As Possible	(W)ireless (O)pen Area Occupancy Sensor, RF-Based WireLess Comm, EMI Resistant, UL, FCC Approved, Fl. Range> 30Wx50LMinor; 50Wx60L Major	WireLess 10 Year Batt Life	LRF-2-O- 180 Deg Coverage
WD	Clg Mtd Place & Aim Per Manuf	(W)ireless (D)aylight Compensating Sensor, RF-Based, WireLess Comm, EMI Resistant, UL, FCC Approved, 0-150FC Range.	WireLess 10 Year Batt Life	LRFX-DCRB-WH (White)
WR	Plenum Mtd On JBox	(W)ireless (R)eceiver-Power Pack-Switching Relay, Zero-Crossing Switching, RF-Based WireLess Comm, EMI Resistant, Plenum-Rated, UL, FCC Approved.	120/277 V~ 50/60 Hz, 1.0 W 1P-16 Amp Rated	RMJ-16R-DV-B (RMJ-16RCC01-DV-B Where Noted- LV (24V-1.0A) Dry-Contact Load Control)
WS	Plenum Mtd On JBox	(W)ireless(S) Receiver-Power Pack-Dimming Module, Zero-Crossing Switching, RF-Based WireLess Comm, EMI Resistant, Plenum-Rated, UL, FCC Approved, 0-10V Compatible Dimming Ballast-Drivers Req'd.	120/277 V~ 50/60 Hz, 1.0 W; NEC Class I or II Ballast Ctrl. Wiring	RMJ-5T-DV-B (URMJ-5T-DV-B
WV	Plenum Mtd On JBox	(W)ireless(V) Receiver-Power Pack-Dimming Module, Zero-Crossing Switching, RF-Based WireLess Comm, EMI Resistant, Plenum-Rated, UL, FCC Approved, EnOcean Dimming Digital Ballast-Drivers Req'd.	120/277 V~ 50/60 Hz, 1.0 W; NEC Class I or II Ballast Ctrl. Wiring	RMJ-ECO32-DV-B (URMJ-ECO32-DV-B

COMMENTS & NOTES

1- All Wireless Devices & Componet To Be Of Same Manufacturer,
2- This Design & Products Are Based On Lutron "Radio-Powr-Savr" System.
3- Color As Selected By Owner / Tenant Or Architect.
4- Products Of Other Manufactures, Equivalent In Apperance, Features, Performace, Ratings & Size May Be Submitted As Add / Deduct Alternates For Consideration (With Complete Supporting Documentation).
05- Locate & Install All Product In Accordance With Manufacturer's Documented Instructions.
06- Field Verify Exact Final Location Prior To Rough-Ins Per Archt., Owner/ User.
07- Control / Grouping Indicated By Lower Case Letters (i.e.-a,b,c)

LIGHTING FIXTURE SYMBOLS

SYMBOLS	MTG/UNO	DESCRIPTIONS
	SEE SCHD.	LIGHTING FIXTURES, GENERALLY CEILING MOUNTED SHAPE GENERALLY INDICATES SHAPE OF FIXTURE
	SEE SCHD.	FLUORESCENT STRIP TYPE FIXTURE
	SEE SCHD.	WALL OR BRACKET MOUNTED TYPE FIXTURE
	SEE SCHD.	LIGHTING TRACK & FIXTURES
	SEE SCHD.	EXIT SIGNAGE FIXTURE
	SEE SCHD.	EXIT SIGNAGE WITH DIRECTIONAL ARROWS
	SEE SCHD.	EXIT SIGNAGE WITH EMERGENCY FLOOD LIGHTS
	SEE SCHD.	BATTERY TYPE EGRESS FIXTURES
XXX	SEE SCHD.	LIGHTING FIXTURE TYPE ID / TAG- SEE LTG FIXTURE SCHEDULE

LIGHTING GENERAL NOTES

NOTES & COMMNETS

FIXTURE TYPES ARE INDICATED BY UPPER CASE CHARACTERS
SWITCHING GROUPS SHOWN BY LOWER CASE LTRS. WHERE APPLICABLE.
CIRCUIT GROUPING SHOWN BY NUMBERS, WHERE APPLICABLE.
REFER TO REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS.
WP INDICATES WEATHER PROOF SWITCH COVER.

LIGHTING CONTROLS - MANUAL, LINE-VOLTAGE, HARD-WIRED

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF, & SERIES LEGRAND/P&S- UNO
MANUAL DEVICES - LINE VOLTAGE TYPE				
Tx	48" AFF	(T)oggle Switch, 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A; Grnd 120V & 277V	PT-262-XX
Kx	48" AFF	(K)ey Operated Switch, 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A; Grnd 120V & 277V	PT-20AC-XX
Ix	48" AFF	(I)lluminated When On Switch (UNO), 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A; Grnd 120V & 277V	PT-262-XX
Ma	48" AFF	(M)omentary Contact Switch, 1-Pole 3-Position (a) Subscript Indicates Switching Group, Etc.	20A; Grnd 120V & 277V	TM811-DTMO-XX
DL	48" AFF	(D)immer Line Volt, (1/3) Way,Full-Off, Incand., CFL & LED; NEMA-SSL7, Forward Phs Dim.	120V, G 150W-CFL, 600W-I	Lutron Maestro C-L Dimmers
DD	48" AFF	(D)immer, 0-10V Analog Control; 1%~100%; On-Off Switch, Level Slider, Pwr-Fail Memory	0-10V Analog Control Wires	Lutron Diva Series
WS	48" AFF	(W)eather-(P) Toggle Switch, 1-Pole & WP Cover	20A,120V,277V,G	PT-262-XX & CA1GL
SM	48" AFF	Switch Motor Rated, NEMA 3R Enclosure	3 Pole, 30A, 600V	7803 Switch & 7833 Encls

COMMENTS & NOTES

1- Devices To Be UL20, Listed & Labeled Where Applicable.
2- Devices To Be NEMA WD-1 & WD-6 Compliant Where Applicable.
3- Devices To Be NFTA (Buy American) Where Avialable.
4- Devices To Be Legrand / P&S, PlugTail, Spec. Grade Devices, UNO.
5- Devices Face To Decor Style Unless Not Available In Decor Style.
6- Provide Smooth Finish Matching P&S Trade-Master Grade Cover Plates.
7- Color As Selected By Owner / Tenant Or Architect.
8- Products Of Other Manufactures, Equivalent In Apperance, Features, Performance, Rating & Size, Are Acceptable.
09- Field Verify Exact Final Location Prior To Rough-Ins Per Archt., Owner/ User.
10- Control / Grouping Indicated By Lower Case Letters (i.e.-a,b,c)
11- Multiple Adjacent Devices Shall Be Mounted In Multi-Gang Box With Multi-Gang Cover

LIGHTING CONTROLS - SENSOR, LINE-VOLTAGE, HARD-WIRED

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF, & SERIES HUBBELL - UNO
V1 / V2	Wall Mt. 48" AFF	(V)acancy Sensor, (1/2) Ckt, PIR, Wall Mtd, Auto or Man On, Adjustable Time OFF	800W-F@ 120V 1200W-F @ 277V	(V1-1P) LHIRS1-xx-M (V2-2P) LHIRS2G-xx-M
U1 / U2	Wall Mt. 48" AFF	(U)ltra-Sonic/PIR Dual Sensor, (1/2) Ckt, Self-Adaptive, Off Warning, Man/ Auto Select 20x15 Minor & 35x30 Major Motion Range	800W-I @ 120V 800W-F @ 120V 1200W-F @ 277V	(U1-1P) LHMTS1G-xx (U2-2P) LHMTDS2G-xx
P1 / P2	Clg Mtd Per Manuf	(P)IR Occupancy Sensor, (1/2/x) Range, Power Pack, RFI & EMI Resistant, Adjust, Delay & Sensitivity P1- 500 Sq Ft, P2- 1200 Sq FT Coverage Range	24 VDC Sensor 20A, 120/ 277V Power Pack	(P1>500SF) OMNI-IR (P2>1200SF) OMNI-IRL
U1 / U2 / U3	Clg Mtd Per Manuf	(U)ltra-Sonic Sensor, (1/2/x) Range, Power Pack, RFI & EMI Resistant, Adjust, Delay & Sensitivity U1- 500 SF, U2-1100 SF, U3- 2200 SF Range	24 VDC Sensor 20A, 120/ 277V Power Pack	(U1>500SF) OMNI-US500 (U2>1100SF) OMNI-US1000 (U3>2200SF) OMNI-US2000
DL	Clg Mtd Per Manuf	(D)ay(L)ight Switching (Non-Dim) Sensor, Closed-Loop Light Sensing,Matching Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity	24 VDC Sensor 20A, 120/ 277V Power Pack	NX-DS Sensor & NX-PC1RUNV Power-Pack
C#	Clg Mtd Per Manuf	(C)ombo (D)ual-Tech, US/PIR Sensor, Power Pack, RFI & EMI Resistant, Adjust, Delay & Sensitivity 360D-Sensing, 1000 & 2000 SF Range	24 VDC Sensor 20A, 120/ 277V Power Pack	(C1>1000SF) OMNI-DT1000 (C2>2000SF) OMNI-DT2000

COMMENTS & NOTES

01- Devices To Be UL20, Listed & Labeled Where Applicable.
02- Devices To Be NEMA WD-1 & WD-6 Compliant Where Applicable.
03- Devices To Be NFTA (Buy American) Where Avialable.
04- Devices To Be Hubbell, Spec. Grade Devices, UNO.
05- Color, If Option, Selected By Owner / Tenant Or Architect.
06- Products Of Other Manufactures, Equivalent In Apperance, Features, Performance, Rating & Size, Are Acceptable.
07- Field Verify Exact Final Location Prior To Rough-Ins Per Archt., Owner/ User.
08- Control / Grouping Indicated By Lower Case Letters (i.e.-a,b,c)
09- Multiple Adjacent Devices Shall Be Mounted In Multi-Gang Box With Multi-Gang Cover

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FAYETTE COUNTY TRAINING FACILITY
RENOVATION

340 Hewell Road
Jonesboro, Georgia
30236

Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
LIGHTING PLAN 2nd LEVEL

SHEET NO:
E-2.2

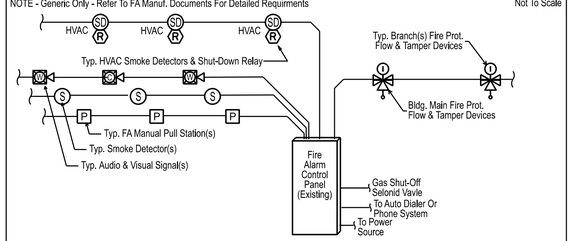
RELEASED FOR PERMIT OR CONSTRUCTION

18.07.25		Fayette Co Training Center (v3)	
#	Rv	FIRE ALARM SYSTEM GENERAL CRITERIA- NEW - PART ONE	CO
FAG		**GENERAL ITEMS, SUBMITTALS & DOCUMENTATION**	
10N	-	This project involves providing a complete and properly operating Fire Detection & Alarm System (FA). This contractor shall utilize the design service of the owner's factory authorized system vendor to obtain the proper system operation, layout and function as required by the prevailing codes and owner's requirements. If there is no Owner's designated vendor, then this contractor shall obtain the service of a factory authorized company to provide the system & services.	
11N	-	The contractor, with vendor / installer, shall thoroughly & completely review the plans & documents of all trades prior to quote, and provide for the complete & proper modifications & interfacing for prcper operation.	
12N	-	Provide all necessary installation, wiring, components, hardware, software, programming, testing and certifying to provide a complete, properly functioning systems.	
13N	-	These drawings & document represent only the minimum design intent. A complete system shall be provided in accordance with all standards, AHJ & Code requirements.	
14N	-	The contractor shall utilize the design service of the factory authorized system vendor to obtain the proper system layout(s), function, interoperability with systems of other trades, wiring & operation, as required by this specification, drawings, prevail	
15N	-	Coordinate with all other trades for the proper coordination and interfacing with their work, systems & control(s). HVAC- specifically coordinate with the HVAC duct mounted smoke detectors and control of any HVAC equipment. Fire Protection Sprinkler(s)-	
16N	-	Submit complete fire alarm plans & wiring diagrams showing the control panel(s), all devices, wiring and related items. All wiring & connection shall be labeled and identified. Submit plans and related data to other related trades and vendors for proper	
-	-	- - - - - -	-
FAG		**MANUFACTURERS:**	
20N	-	The complete fire alarm system shall be provided by a single vendor/installer who shall have unit responsibility for the entire system. The vendor shall be a factory authorized agent of the manufacturer, and shall provide evidence thereto. The vendor/in	
21N	-	Provide a full one-year, on-site, parts & labor warranty for the complete system.	
22N	-	Provide, for the owner's optional acceptance, a yearly service / maintenance contract.	
23N	-	Matching Components: All components shall be of the same manufacturer & series to assure compatibility. Any variances shall require documentation from the Fire Alarm Control Panel manufacturer assuring compatibility.	
24N	-	Acceptable Manufacturer(s): Simplex, Notifier, Gamewell or Pytronics. Other manufactures by prior approval with complete submittal only.	
-	-	- - - - - -	-
FAG		**CODES & STANDARDS:**	
30N		The system design, equipment & material, function & operation shall comply with - National Fire Protection Association Standards; National Electrical Code; Underwriters Laboratory Labeled; A.D.A. Standards; Factory Mutual (FM) & Local Codes & Authority Having Jurisdiction	
FAG		**Components, Hardware And Materials**	
40N		See System Description & Features	
41N		See Control Panel. Remote Station Monitoring & Alarm	
42N		See Devices	
		Installation	
FAG		**RECORD FIELD DOCUMENTS (RFD)**	
70N		Record Field Documents (RFD)- Maintain an up-to-date set of RFD indicating any field adjustments, changes and / or corrections. At the project completion update all document and provide hard copies and PDF files to the Owner, Architect, Engineer & General Contractor.	
FAG		**SYSTEM INSTALLATION:**	
80N		All wiring shall be installed in conduit or UL. listed Type MC- Fire Alarm (FA/MC) system cable.	
81N		All exposed FA wiring in finished areas (I.e. no ceilings) shall be in EMT conduit (minimum) with matching boxes, etc. All exposed conduits shall be painted red unless otherwise directed by architect.	
82N		All boxes, mountings & supports shall be labeled and approved for the purpose.	
83N		All fire alarm wiring and cabling shall meet NEC 760 & NFPA requirements.	
84N		All devices shall be mounted and installed in accordance with the applicable codes & ADA.	
85N		Color code, number & label all wiring & conductors per point-to-point wiring diagram.	
86		Label each device with its zone or address on back of unit.	
FAG		**SYSTEM TEST, VERIFICATION, DOCUMENTATION & SERVICE:**	
90N		The manufacturer's factory authorized & trained representative shall provide installation guidance and assistance, and system start-up.	
91N		The manufacturer's factory authorized & trained representative shall provide a total system checkout (of every device) and testing, and shall send written certification of the system(s) proper operation to the owner, architect, engineer & fire marshal.	
92N		The system shall be fully tested in the presence of the owner's representative(s), inspector(s), and AHJ Fire Dept. personnel.	
93N		Prepare & provide 3 copies of bound operation manuals, part & service & "as-built' plans & wiring. Complete with the Company Names, Personnel Names with phone numbers & email address of all trades & parties involved.	
94N		Submit a yearly service agreement for owner's review, acceptance is optional. Copy Archt & Engr.	
95N		Provide owner with up to one full day of on-site operation & maintenance training.	
96N		Provide on-site, follow- up with the owner at 30 days and 90 days after acceptance. Provide for any necessary adjustments and corrections. Forward copy of documentation to owner, architect & engineer.	
-	-	- - - - - -	-
Const		End Of Fire Alarm Systems General Criteria - Part One	

18.07.25		Fayette Co Training Center (v3)	
#	Rv	FIRE ALARM SYSTEM (NON-VOICE) CRITERIA - PART TWO	CO
40N-		**SYSTEM DESCRIPTION & FEATURES**	
-01	-	Provide a complete addressable, digital based automatic / manual fire detection and alarm system conforming to NFPA standards, U.L.. labeled and A.D.A. compliant. The system shall include, but not be limited to, control panel(s), all devices, all mounting components and hardware, all wiring, complete installation documents, point-to-point wiring diagram, maintenance & operation manuals.	
-02	-	The system shall be a digitally based microprocessor control system with digital display. The system shall be event response programmable in relation to event imitation.	
-03	-	The system shall utilize software addressable devices for system initation.	
-04	-	The control panel shall provide complete supervision of the entire system.	
-05	-	The wiring for initiating devices shall be Style-B, and for signaling devices Style-Y.	
-06	-	The system shall provide "walk-lesf' feature and automatic smoke alarm verification check.	
-07	-	The number of zones shall be as indicated or as required.	
-08	-	The audible signal shall be a software selectable tone to allow for multiple tones.	
-09	-	The visual strobe signals shall on a separate circuit & control from the audible signals.	
-10	-	Provide a digital telephone line seizure & dialer module, programmed per owner and connected to phone line.	
-11	-	The entire system shall be on normal AC power with automatic battery backup per NFPA requirements. Battery shall have automatic charger & trouble alarm.	
-	-	- - - - - -	-
41N-		**CONTROL PANEL, REMOTE STATION MONITORING & ALARM**	
-01	-	Control Panel- Semi-flush mounted with transparent window & door lock.	
-02	-	Listings & Approval: UL 864, FM (Factory Mutual), NFPA 101, NEC	
-03	-	Digitally based microprocessor Control Panel with digital display.	
-04	-	The system shall be event response programmable in relation to event imitation.	
-05	-	Secondary Power Supply: Provide automatic battery backup per NFPA requirements. Battery shall have automatic charger & trouble alarm. Sized per NFPA 72 & Other Code requirements plus and additional 25% (for future growth)	
-06	-	Remote Station Monitoring: Provide DACT (Digital Alarm Communicator / Transmitter) and all necessary components, wiring, connections & programming for interface with an owner selected remote monitoring system.	
-07	-	Control Panel shall be sized for the required number of initiating devices / zones and signaling-notification appliances plus and additional 25% of each for future growth.	
-	-	- - - - - -	-
42N-		**DEVICES**	
-01	-	Manual Pull Stations- Addressable, red semi-flush mounted, lit & pull style.	
-02	-	Smoke Detectors, Ceiling, Mtd..- Addressable, photoelectric type devices with separate mounting base.	
-03	-	Smoke Detectors, Duct Mtd..- Addressable, photoelectric type with enclosure & sampling tubes, etc.	
-04	-	Heat Detectors, Ceiling. Mtd..- Addressable, combination rate-of-rise & fixed temperature devices.	
-05	-	Smoke Detectors, Beam Type, Addressable, Single-Ended Reflector Type, Automatic Gain Control, User Selectable Sensitivity Levels, Acclimate Auto-Adjusting For Optimum Sensitivity, 16 Ft To 328 Ft Range. Notifier FSB-200S/A or Equal.	
-06	-	Sprinkle Flow/ Tamper Switch(s) / Addressable Monitor Module- The sprinkler tamper / flow switch is to be provided and installed by the Sprinkler installer. This contractor is to make all connections to the Fire Alarm System. Provide Addressable Monitor Module and interconnect to Flow/ Tamper Switch.	
-07	-	Audio Only Signals- Semi-flush mounting in finished areas, surface mounted in other locations, weather-proof in outdoor & any damp/ wet location. Multi-tone (8 selectable tones) appliance, field selectable sound output levels (Std. / Hi). Verify & located signals for proper audible & visual coverage in accordance with the Codes & ADA requirements.	
-08	-	Visual Only Signals- Semi-flush mounted units in finished areas. surface mounted in other areas, weather-proof for outdoor & damp/ wet locations. Visual signals, ADA compliant, multi-candela adjustable strobe. Verify & located signals for proper visual coverage in accordance with the Codes & ADA requirements. Wall or Ceiling mounted, White or Red per Architect.	
-09	-	Audio / Visual Signal Appliances- Combination Horn & Visual Strobe devices, Semi-flush mounted in finished areas, surface mounted into other areas, weather-proof for outdoor, damp/ wet locations. Multi-tone (8 selectable tones) appliance, field selectable sound output levels (Std./ Hi). Visual signals, ADA compliant, multi-candela adjustable strobe. Verify & located signals for proper visual coverage in accordance with the Codes & ADA requirements. Wall or Ceiling mounted, White or Red per Architect.	
-10	-	Control Relays- Provide as shown or where required, enclosed & labeled contact type relays for interface & control of other equipment (i.e.-fans, HVAC, elevator recall, etc.). Coordinate with the related trade for proper interface, operations and control functions, etc.	
-11	-	Remote Power Supplies - Provide matching remote power supplies for power devices as necessary or required. Provide dedicated power circuits to each unit.	
-	-	- - - - - -	-
Const		End Of Fire Alarm Systems General Criteria - Part Two	

FIRE ALARM RISER DIAGRAM - BASIC

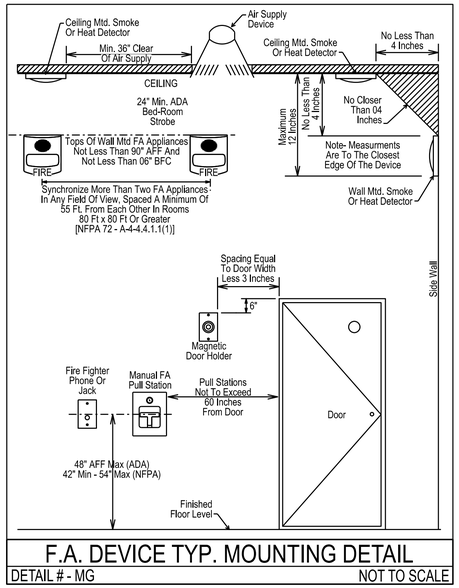
NOTE - Generic Only - Refer To FA Manuf. Documents For Detailed Requirments — Not To Scale



FIRE ALARM (FA) SYSTEM DEVICES

CLG MTD	WALL MTD	MTG/UNO	DESCRIPTIONS
S	S	8" BFC	FA Detector- Smoke (Type Per Criteria)
SI	SI	8" BFC	FA Detector- Smoke (Ionization Type)
SP	SP	8" BFC	FA Detector- Smoke (Photoelectric Type)
SD	SD	Air Duct	FA Detector- Duct Mtd Type
	ST	8" BFC	FA Detector- Smoke- Beam Transmitter
	SR	8" BFC	FA Detector- Smoke- Beam Receiver
H	H	8" BFC	FA Detector- Heat (Type Per Criteria)
HC	HC	8" BFC	FA Detector- Heat Combo (Fixed & Rise)
HF	HF	8" BFC	FA Detector- Heat Fixed Temp
HR	HR	8" BFC	FA Detector- Heat Rate-Of-Rise
F	F	8" BFC	FA Detector- Flame (Type Per Criteria)
M	M	Per Code	FA Signal: AV Combo Horn-Strobe
M	W	Per Code	FA Signal: Audio Horn Only
M	W	Per Code	FA Signal: Visual Strobe Only
M	M	Per Code	FA Signal: AV Combo Speaker-Strobe
M	W	Per Code	FA Signal: Audio Speaker Only
M	W	High As Possible	FA Signal: Trumpet 1-Way Spkr & Strobe
M	M	High As Possible	FA Signal: Trumpet 2-Way Spkr & Strobe
M	M	High As Possible	FA Signal: Trumpet 4-Way Spkr & Strobe
	P	48" AFF	FA Manual Pull Station
I		On Piping	FA FP Sprinkler: Combo Flow & Tamper
I		On Piping	FA FP Sprinkler: Water Flow Switch
I		On Piping	FA FP Sprinkler: Tamper Switch
G		On Piping	FA Ctrl Device: Gas Shut-Off Solenoid
G		On Equip	FA Ctrl Device: Relay- Misc
G		At Door	FA Ctrl Device: Door Hold-Release
		48" AFF	FA Fire-Fighter Comm: Phone
		24" AFF	FA Fire-Fighter Comm: Phone Accessbile
		48" AFF	FA Fire-Fighter Comm: Phone Jack
	FACP	Top 60" AFF	FA Control Panel
	FAVP	Top 60" AFF	FA Voice Panel
	FASA	Top 60" AFF	FA Panel System Annunciator
	FATR	Top 60" AFF	FA Transponder / Transmitter
	FAC	Top 60" AFF	FA Communicator
	FAESR	Top 60" AFF	FA Elevator Status / Recall
	FARPT	Top 60" AFF	FA Remote Power & Terminal Unit

NOTES
1- Install Per NFPA, NEC & Local Codes & Requirments.
2- All Components U.L. Listed & Labeled & Installed Per U.L.
3- All Componets Shall Be Matched & U.L. Listed For Use With Other Devices.
4- All Cabling Shall Be Per Code & Installed In Protected Manner.



F.A. DEVICE TYP. MOUNTING DETAIL

DETAIL # - MG — NOT TO SCALE

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2018.07.26

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RENOVATION

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Prepared for

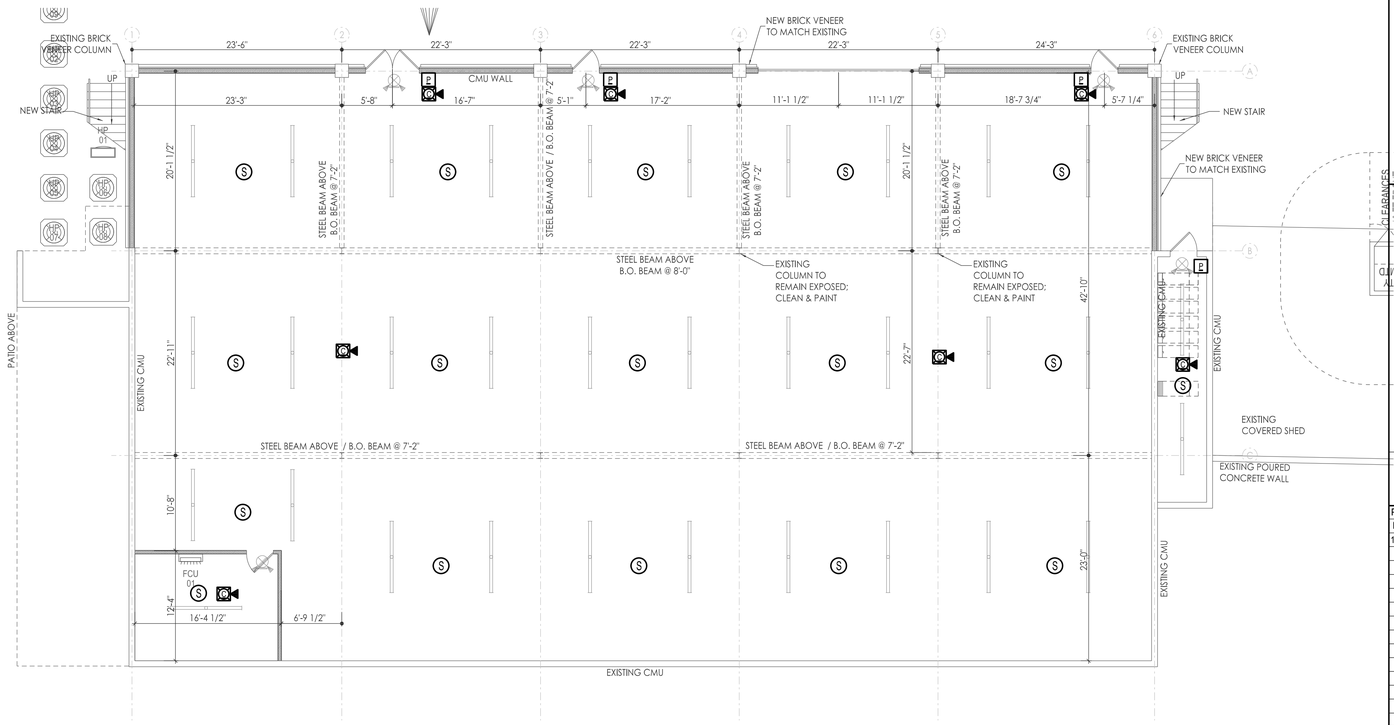
FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
FIRE ALARM SYSTEM CRITERIA

SHEET NO:
E-3.0 r0

RELEASED FOR PERMIT OR CONSTRUCTION



1 FIRE ALARM PLAN- 1st LEVEL
1 IN = 8 FT 20 40

FIRE ALARM (FA) SYSTEM DEVICES

CLG MTD	WALL MTD	MTG/UNO	DESCRIPTIONS
S	S	8" BFC	FA Detector- Smoke (Type Per Criteria)
SI	SI	8" BFC	FA Detector- Smoke (Ionization Type)
SP	SP	8" BFC	FA Detector- Smoke (Photoelectric Type)
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F	F	8" BFC	FA Detector- Flame (Type Per Criteria)
		Per Code	FA Signal: AV Combo Horn-Strobe
		Per Code	FA Signal: Audio Horn Only
		Per Code	FA Signal: Visual Strobe Only
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		Per Code	FA Signal: Audio Speaker Only
		High As Possible	FA Signal: Trumpet 1-Way Spkr & Strobe
		High As Possible	FA Signal: Trumpet 2-Way Spkr & Strobe
		High As Possible	FA Signal: Trumpet 4-Way Spkr & Strobe
	P	48" AFF	FA Manual Pull Station
		On Piping	FA FP Sprinkler: Combo Flow & Tamper
		On Piping	FA FP Sprinkler: Water Flow Switch
		On Piping	FA FP Sprinkler: Tamper Switch
		On Piping	FA Ctrl Device: Gas Shut-Off Solenoid
		On Equip	FA Ctrl Device: Relay- Misc
		At Door	FA Ctrl Device: Door Hold-Release
		48" AFF	FA Fire-Fighter Comm: Phone
		24" AFF	FA Fire-Fighter Comm: Phone Accessbile
		48" AFF	FA Fire-Fighter Comm: Phone Jack
	FACP	Top 60" AFF	FA Control Panel
	FAVP	Top 60" AFF	FA Voice Panel
	FASA	Top 60" AFF	FA Panel System Annunciator
	FATR	Top 60" AFF	FA Transponder / Transmitter
	FAC	Top 60" AFF	FA Communicator
	FAESR	Top 60" AFF	FA Elevator Status / Recall
	FARPT	Top 60" AFF	FA Remote Power & Terminal Unit

NOTES
1- Install Per NFPA, NEC & Local Codes & Requirments.
2- All Components U.L. Listed & Labeled & Installed Per U.L.
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Prepared for

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FIRE ALARM PLAN 1st LEVEL

SHEET NO:
E-3.1
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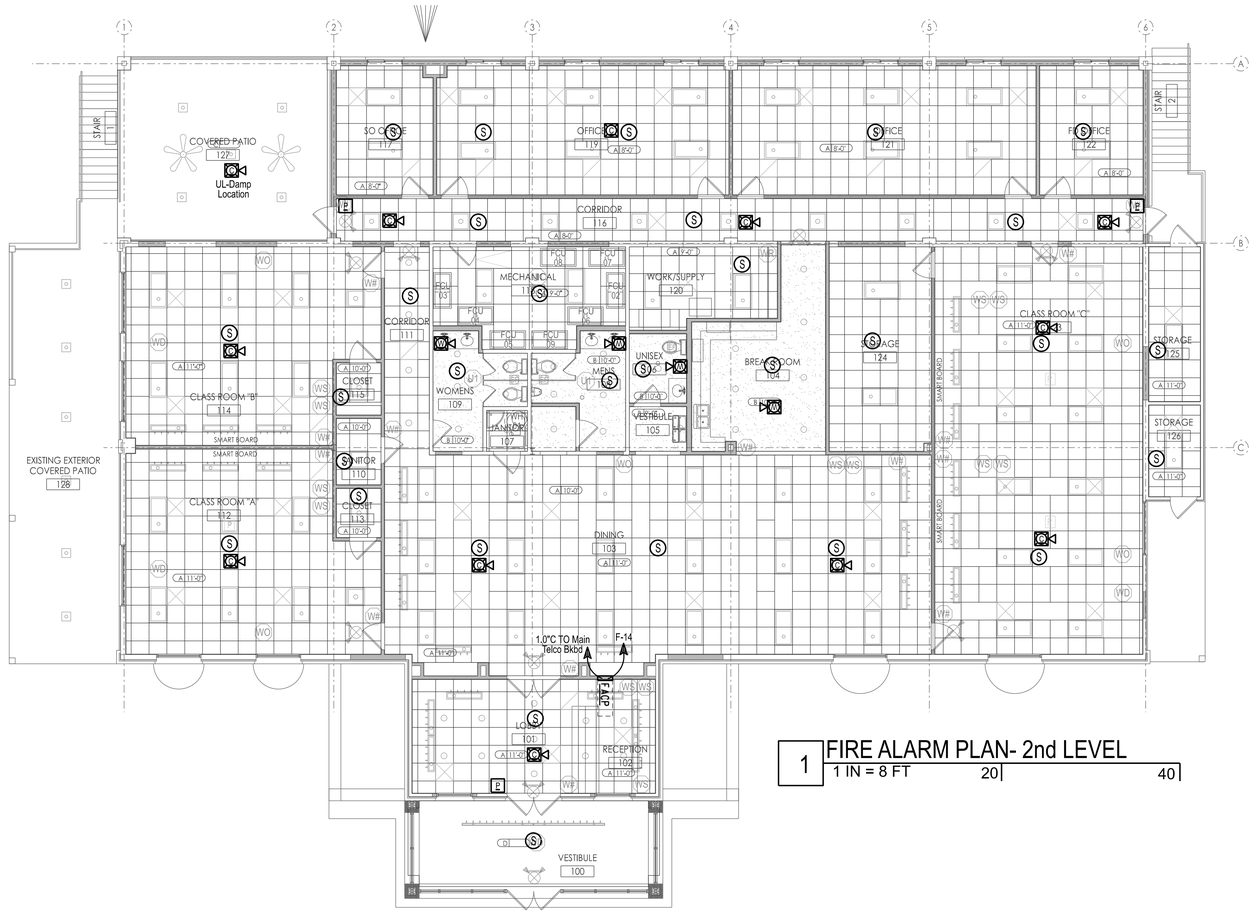

1 FIRE ALARM PLAN- 2nd LEVEL
1 IN = 8 FT 20 40

FIRE ALARM (FA) SYSTEM DEVICES

CLG MTD	WALL MTD	MTG/UNO	DESCRIPTIONS
(S)	(S)	8" BFC	FA Detector- Smoke (Type Per Criteria)
(SI)	(SI)	8" BFC	FA Detector- Smoke (Ionization Type)
(SP)	(SP)	8" BFC	FA Detector- Smoke (Photoelectric Type)
(SD)	(SD)	Air Duct	FA Detector- Duct Mtd Type
	(ST)	8" BFC	FA Detector- Smoke- Beam Transmitter
	(SR)	8" BFC	FA Detector- Smoke- Beam Receiver
(H)	(H)	8" BFC	FA Detector- Heat (Type Per Criteria)
(HC)	(HC)	8" BFC	FA Detector- Heat Combo (Fixed & Rise)
(HF)	(HF)	8" BFC	FA Detector- Heat Fixed Temp
(HR)	(HR)	8" BFC	FA Detector- Heat Rate-Of-Rise
(F)	(F)	8" BFC	FA Detector- Flame (Type Per Criteria)
(W)	(W)	Per Code	FA Signal: AV Combo Horn-Strobe
(W)	(W)	Per Code	FA Signal: Audio Horn Only
(W)	(W)	Per Code	FA Signal: Visual Strobe Only
(W)	(W)	Per Code	FA Signal: AV Combo Speaker-Strobe
(W)	(W)	Per Code	FA Signal: Audio Speaker Only
(W)	(W)	High As Possible	FA Signal: Trumpet 1-Way Spkr & Strobe
(W)	(W)	High As Possible	FA Signal: Trumpet 2-Way Spkr & Strobe
(W)	(W)	High As Possible	FA Signal: Trumpet 4-Way Spkr & Strobe
	(P)	48" AFF	FA Manual Pull Station
		On Piping	FA FP Sprinkler: Combo Flow & Tamper
		On Piping	FA FP Sprinkler: Water Flow Switch
		On Piping	FA FP Sprinkler: Tamper Switch
(G)		On Piping	FA Ctrl Device: Gas Shut-Off Solenoid
(R)		On Equip	FA Ctrl Device: Relay- Misc
(D)		At Door	FA Ctrl Device: Door Hold-Release
		48" AFF	FA Fire-Fighter Comm: Phone
		24" AFF	FA Fire-Fighter Comm: Phone Accessbile
		48" AFF	FA Fire-Fighter Comm: Phone Jack
	FACP	Top 60" AFF	FA Control Panel
	FAVP	Top 60" AFF	FA Voice Panel
	FASA	Top 60" AFF	FA Panel System Annunciator
	FATR	Top 60" AFF	FA Transponder / Transmitter
	FAC	Top 60" AFF	FA Communicator
	FAESR	Top 60" AFF	FA Elevator Status / Recall
	FARPT	Top 60" AFF	FA Remote Power & Terminal Unit

NOTES
1- Install Per NFPA, NEC & Local Codes & Requirments.
2- All Components U.L. Listed & Labeled & Installed Per U.L.
3- All Components Shall Be Matched & U.L. Listed For Use With Other Devices.
4- All Cabling Shall Be Per Code & Installed In Protected Manner.

architecture
interiors
town planning

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DATE	COMMENTS
18.07.26	For Pricing, Permiting & Construction

FAYETTE COUNTY TRAINING FACILITY
RENOVATION

340 Hewell Road
Jonesboro, Georgia
30236

Prepared for

FAYETTE COUNTY

COMMISSION / JOB NO:
1465.17

SHEET TITLE:
FIRE ALARM PLAN 2nd LEVEL

SHEET NO:
E-3.2

RELEASED FOR PERMIT OR CONSTRUCTION