

Tony Baldwin, Ed.D., Superintendent

175 Bingham Road, Asheville, NC 28806 P 828.255.5921 F 828.255.5923 www.buncombe.k12.nc.us

ADDENDUM #2

JANUARY 13, 2017

TRANSMITTED VIA EMAIL: 1 page

TO: ALL PLAN HOLDERS AND POTENTIAL BIDDERS

FROM: RON VENTURELLA, PURCHASING OFFICER

SUBJECT: FIELD HOUSE RENOVATIONS ENKA MIDDLE SCHOOL (RFP# 59-16)

The following changes, revisions, additions, and/or clarifications to the plans and/or specifications are hereby made a part of the original documents. **Be sure to acknowledge this addendum on the proposal sheet.**

Addendum # 2 RFP #59-16

- 1. Attached is a 2nd revised proposal form. Alternate #2 for asphalt shingles is no longer applicable and has been removed.
- 2. Attached are electrical drawings. Electrical specifications will be released next week (1/17/17 1/20/17).

Attached: 2nd Revised Proposal Form (2 pages), Electrical Drawings (5 pages)

End of Addendum #2
FIELD HOUSE RENOVATIONS ENKA MIDDLE SCHOOL (RFP# 59-16)

(NOTE: THIS FORM MUST BE FULLY EXECUTED AND RETURNED FOR CONSIDERATION OF PROPOSAL) **2nd REVISED PROPOSAL FORM**

FIELD HOUSE RENOVATIONS ENKA MIDDLE SCHOOL RFP# 59-16 DUE DATE: FEBUARY 8, 2017 by 4:00 PM

By submitting this proposal, the potential contractor certifies the following:

- ** This proposal is signed by an authorized representative of the firm.
- ** It can obtain and submit to the Owner insurance certificates as required within 5 calendar days after notice of award.
- ** The cost and availability of all equipment, materials, and supplies associated with performing the services described herein have been determined and included in the proposed cost.
- ** All labor costs, direct and indirect, have been determined and included in the proposed cost.
- ** All taxes have been determined and included in the proposed cost.
- ** The offeror has attended the conference (*if applicable*) or conducted a site visit and is aware of prevailing conditions associated with performing these services.
- ** The potential contractor has read and understands the conditions set forth in this RFP and agrees to them with no exceptions.

Therefore, in compliance with this Request for Proposals, and subject to all conditions herein, the undersigned offers and agrees, if this proposal is accepted within 45 days (normally less) from the date of the opening, to furnish the subject services for a cost not to exceed:

OFFEROR:	
BASE BID: Renovations Fig	d House at Enka Middle School, as stated in specifications.
\$	dollars and/100 \$
	len fastener, standing seam metal roof panel system, in lieu of exposed poof panels as stated in spec section 07411- 8/14.2.6.
\$	dollars and/100 \$
ALTERNATE #2: REMOVE	NOT APPLICABLE
	set in place as directed an 8' x20' shipping container for storage of Owner PE ove the container and take possession after Owner occupancy of the renovate
\$	dollars and/100 \$
shipping container in good cor	set in place on a base of 4" #57 stone after removal of topsoil, an 8'x20' ition and prep painted battleship grey. It will be used for storage of Owner in Owners possession after completion of the project.
\$	dollars and/100 \$

Addendums received and us	ed in computing bid: YES/NO
Number of Addendums rece	ved:
OFFEROR:	
CITY, STATE, ZIP:	
TELEPHONE NUMBER:	FAX:
FED ID No:	Type & License #:
E-MAIL:	MBE Status:
	f different from above (See General Information on Submitting Proposals, Item
BY: (Signature)	TITLE:
DATE:	(Typed or printed name)

END OF 2nd REVISED PROPOSAL FORM

GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE 2014 VERSION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES, LAWS, AND ORDINANCES. WHERE ONE CODE DIFFERS FROM ANOTHER, THE STRICTER OF THE TWO SHALL APPLY.
- 2. IT IS THE DUTY OF THE ELECTRICAL CONTRACTOR TO BE FAMILIAR WITH THE CONSTRUCTION DETAILS OF THE BUILDING. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SYSTEM WITH ALL OTHER TRADES AND SHALL COMPLETE THE ELECTRICAL INSTALLATION AS SOON AS CONDITIONS WILL ALLOW.
- 3. ALL WORK SHALL BE DONE IN A NEAT, QUALITY MANNER WITH ALL WIRING AND RACEWAYS CONCEALED.
- 4. ALL ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC IN NATURE. THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES WORKING ON THE PREMISES.
- WHERE CONDUIT AND WIRING HAS NOT BEEN SHOWN ON THE DRAWINGS THE ARRANGEMENT AND ROUTING OF LIGHTING AND RECEPTACLE BRANCH CIRCUITS WILL BE AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED GOOD PRACTICE. N.E.C. REQUIREMENTS AND THE FOLLOWING LIMITATIONS:
 - A. SIZE BRANCH CIRCUIT CONDUCTORS WITHIN THE FOLLOWING MAXIMUM LENGTH LIMITS: (MEASURE TO THE CENTER OF THE LOAD FOR LIGHTING CIRCUITS AND THE MOST REMOTE OUTLET FOR RECEPTACLE CIRCUITS)

		#12	#10	#8	#6
120V.,	20A.	85'	110'	165'	270'
277V.,	20A.	160'	250'	390'	600'

- THIS PROJECT TO MEET NFPA 72 AND ADA REQUIREMENTS REGARDING MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- RECESSED LIGHTING FIXTURES MUST HAVE 1/2" CLEARANCE FROM COMBUSTIBLE MATERIALS AND 3" CLEARANCE FROM INSTALLATION OR BE IC RATED PER ARTICLE 410.66 (A) 1 AND 2 AND 410.66 (B) OF THE 2014 NEC.
- IN ACCORDANCE WITH SPECIFICATIONS, DURING CONSTRUCTION OPERATIONS, THE ELECTRICAL CONTRACTOR SHALL MAKE A RECORD OF ALL APPROVED CHANGES FROM THE CONTRACT DRAWINGS, INCLUDING ACCURATE DIMENSIONS WHERE APPLICABLE, AND SHALL ALSO RECORD ACCURATE DIMENSIONS LOCATING ALL BELOW-GRADE OUTSIDE ELECTRICAL UTILITES (WHETHER CHANGED OR NOT) WITH REFERENCE TO PERMANENT ABOVE-GRADE OBJECTS.

AT THE COMPLETION OF THE WORK ALL SUCH CHANGES SHALL BE RECORDED NEATLY IN RED INK BY THE ELECTRICAL CONTRACTOR ON AN UNUSED SET OF THE ELECTRICAL CONTRACT DRAWINGS SUPPLIED BY THE ARCHITECT. THE RED LINE CHANGES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND THE COMPLETED RECORD PRINTS RETURNED TO THE ARCHITECT.

- MINIMUM SIZE CONDUIT FOR 20A CIRCUITS IS 3/4". MC CABLE IS PERMISSIBLE FOR LIGHT FIXTURE WHIPS (LESS THAN 6 FEET) AND AREA 20A CIRCUITS. HOME RUNS FROM AREA JUNCTION BOX TO BE ROUTED IN EMT CONDUIT. MC CABLE IS NOT ALLOWED IN OPEN CEILING
- 10. ALL PRE-WIRED EQUIPMENT MUST BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY PER ARTICLE 110.3 (A AND B) OF THE 2014 NEC.
- 11. THE TERMINATION PROVISIONS OF EQUIPMENT MUST BE USED IN DETERMINING THE AMPACITIES OF CONDUCTORS BASED ON TABLE 310.16 REGARDLESS OF THE INSTALLATION RATING OF THE CONDUCTORS PER ARTICLE 110.14 (C) 1 AND 2 OF THE 2014 NEC.
- 12. FLASH PROTECTION WARNING LABELS REQUIRED ON SWITCHBOARDS, PANEL BOARDS, AND MOTOR CONTROL CENTERS PER ARTICLE 110.16 OF THE 2014
- 13. SPACES ABOUT ELECTRICAL EQUIPMENT MUST MEET 110.26 (A THROUGH F) ARTICLE 2014 NEC.
- 14. RACEWAYS AND CABLES INSTALLED ABOVE SUSPENDED CEILING REQUIRED TO HAVE INDEPENDENT SUPPORT WIRES CEILINGS GRID WIRES CANNOT BE USED TO SUPPORT RACEWAY AND CABLES UNLESS CEILING GRID IS RATED FOR SUPPORT PER ARTICLE 300.11 OF THE 2014 NEC.
- 15. INDIVIDUAL UNIT EQUIPMENT USED FOR EXIT SIGNS AND EMERGENCY LIGHTS THAT USES A RECHARGEABLE BATTERY MUST BE SUPPLIED BY THE CIRCUIT THAT SUPPLIES THE NORMAL LIGHTING FOR THAT AREA PER ARTICLE 700.12 (F) AND 700.17 OF THE 2014 NEC.
- 16. LAY IN FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE FASTENED TO GRID BY SCREWS OR LISTED CLIPS PER ARTICLE 410.16 OF THE 2014
- 17. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL-LISTED BY A NORTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY.

POWER LEGEND

20A, 125V, 2P, NEMA 5-20R DUPLEX RECEPTACLE

POWER OUTLET, 208V, SIZED AS NOTED.

QUADRAPLEX OUTLET, (2 DUPLEX OUTLETS IN 2 GANG BOX WITH 2 GANG COVER PLATE

20A, 125V, 2P, 3W, NEMA 5-20R DUPLEX RECEPTACLE MOUNT 6" ABOVE COUNTER TO BOTTOM OF OUTLET BOX

FED-SPEC GRADE USB CHARGER WITH TAMPER-RESISTANT DUPLEX RECEPTACLE WIREMOLD #TR5262USB-IVORY OR APPROVED EQUAL.

ADJACENT TO RECEPTACLE DENOTES GROUND FAULT INTERUPTER OUTLET, (FEED THRU TYPE).

ADJACENT TO RECEPTACLE INDICATES WEATHERPROOF IN-USE TYPE COVER.

ADJACENT TO RECEPTACLE INDICATES WEATHER RESISTANT TYPE RECEPTACLE.

TYPICAL DATA/COMM OUTLET DOUBLE GANG OUTLET BOX WITH SINGLE GANG MUD RING. ROUTE 3/4 INCH CONDUIT TO ABOVE CEILING SPACE. PROVIDE PULL STRING. COMMUNICATIONS CONTRACTOR TO PROVIDE FACE PLATE, WIRING, AND FINAL CONNECTIONS.

JUNCTION BOX

LIGHTING OR RECEPTACLE PANEL BOARD.

30A/3P ☐☐ DISCONNECT SWITCH.

30A/F/ P FUSED DISCONNECT SWITCH.

DISCONNECT FURNISHED WITH EQUIPMENT

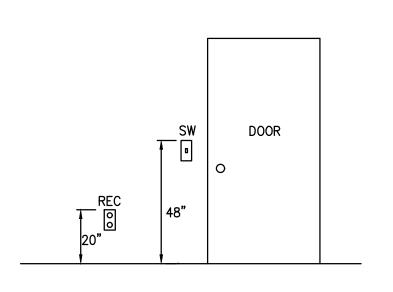
MOTOR RATED SWITCH, CONTINUOUS CURRENT RATED, QUANITY OF POLES AS REQUIRED

EXHAUST FAN.

SEE MECHANICAL DWGS. FOR FAN SPECIFICATIONS. MOTOR, HORSEPOWER AS SHOWN.

B-25 "HOME-RUN" TO PANEL BOARD.

BOTTOM OF FINISHED CEILING



TYPICAL DEVICE MOUNTING HEIGHT

208/120 VOLT, 225 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE COPPER PLATED BUS, FULLY RATED, 10KAIC

NEW PANEL A

CONN LOAD	CIRCUIT USE	S _N	225A M. L. O.	<u>S</u>	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASI C
4323	EXISTING DRYER	1		2	LTGMULTIPURPOSE 100	1172	5495		
4323	EXISTING DIVIER	3	60A	4	LTGSTORAGE 103, RESTROOM 102, OFFICE 101, EXISTING 111, MECH. 110	1260	3433	5583	\Leftrightarrow
4323		5		 	SPARE 20A BREAKER	1200		3333	4323
500	NEW RECEXISTING MECH. 110			8	SPARE 20A BREAKER		500	>	× 10120
1260	NEW REC.—EXISTING OFFICE 101			10	SPARE 20A BREAKER			1260	
900	NEW RECMULTI PURPOSE ROOM	11		12	SPARE 20A BREAKER			$\overline{}$	900
612	EXISTING UH-1	13	!	14	SPARE 20A BREAKER		612	\supset	\times
612	EXISTING UH-2	15		16	SPARE 20A BREAKER			612	\supset
1080	NEW RECMULTI PURPOSE ROOM	17		18	SPARE 20A BREAKER			>	1080
1248	EXISTING FREEZER	19	20A -	20	PREPARED SPACE ONLY		1248	>>	$>\!\!<$
1248		21	1200	22				1248	\times
500	EXISTING RECMULTI PURPOSE ROOM	23	}	24			\sim	\times	500
750	REC.—EXISTING 111	25		26			750	\times	\times
	SPARE 20A BREAKER	27	 	28					\times
	SPARE 20A BREAKER	29		30			\geq	$\geq \leq$	
	PREPARED SPACE ONLY	31	 	32				$\geq \leq$	\geq
		33	 	34			\geq		\geq
		35		36	•			\sim	
		37	604	1	PANEL B	1100	1100		\geq
		39		40		1436		1436	1004
	▼	41	<u> </u>	42	•	1604	\nearrow	\nearrow	1604

SCALE: NONE

NOTES:

1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.

PHASE A	9745	\times	>>				
PHASE B	>>	10139	\times				
PHASE C	\times	\times	8407				
TOTAL VA 28251							
CONNECTED AMPERAGE 79 AMPERES							

NEW PANEL B

208/120 VOLT, 60 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE COPPER PLATED BUS, FULLY RATED, 10 KAIC

CONN LOAD	CIRCUIT USE	<u>S</u> N	60A M. L. O.	<u>S</u> N	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASE C
540	NEW RECSTORAGE 104, ELEC. 105	1	├ ॔ ` ♦┼┼╴`┤	2	NEW LTGEXTERIOR WALL PACKS	60	600	> <	$\geq \leq$
600	EXISTING BOILER & PUMP	3	 	4	LTGRESTROOM (107 & 109), STORAGE (104 & 106), ELEC. 105	836	><	1436	><
1104	EXISTING FURNACE	5	 	6	EXISTING EXHAUST FAN (EF-1)	500	>>	\times	1604
	SPARE 20A BREAKER	7	├ ─┿┼┼──	8	EXISTING EXHAUST FAN (EF-2)	500	500	\times	\times
	SPARE 20A BREAKER	9		10	SPARE 20A BREAKER		\sim		\times
	SPARE 20A BREAKER	11	 	12	SPARE 20A BREAKER			\mathbb{X}	
	SPARE 20A BREAKER	13	├ ─┿┼┼──	14	SPARE 20A BREAKER			\times	\times
	SPARE 20A BREAKER	15		16	SPARE 20A BREAKER				>>
	SPARE 20A BREAKER	17	 	18	SPARE 20A BREAKER			\times	
	PREPARED SPACE ONLY	19	├ ─┿┼┼──	20	PREPARED SPACE ONLY			\times	\times
		21		22					>>
	•	23		24	•			\times	

NOTES:

1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.

PHASE A	1100	><	\times
PHASE B	\rightarrow	1436	\times
PHASE C	\sim	>>	1604
TOTAL VA	4140		
CONNECTED AMF	PERAGE	12 AMP	ERES

ENGINEERING, INC

matrixei.com

NC FIRM LICENSE #: C-1168

29302

2017-003

912 South Pine Street Spartanburg, South Carolina

(864)583-6274

PROJECT NUMBER:

20826

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DRAWINGS ISSUED FOR:

School F vation Middle Se Renov

Enka House GENERAL NOTES, LEGEND, PANEL SCHEDULES, SINGLE LINE

DIAGRAM | %|



Prespective Performance

Interior up—fit in existing building. New 208/120 volt, 225 ampere electrical service. New electrical panels, new lighting, and new receptacles. Existing HVAC to remain.

lamp type required in fixture See light fixture schedule on sheet E401 number of lamps in fixture See light fixture schedule on sheet E401 ballast type used in the fixture See light fixture schedule on sheet E401 number of ballast in fixture See light fixture schedule on sheet E401 total wattage per fixture See light fixture schedule on sheet E401 total interior wattage specified vs. allowed See COMcheck report on sheet E501 total exterior wattage specified vs. allowed See COMcheck report on sheet E501

Equipment of schedules with motors (not used for mechanical systems)

number of phases N/A minimum efficiency N/A motor type N/A # of poles

DESIGNER STATEMENT To the best of my knowledge and belief, the design of this building complies with the eletrical systems, service systems and equipment requirements of the North Carolina State Building Code, Volume X-Energy.

// Hugh P. Bunn, PE Title: Electrical Engineer

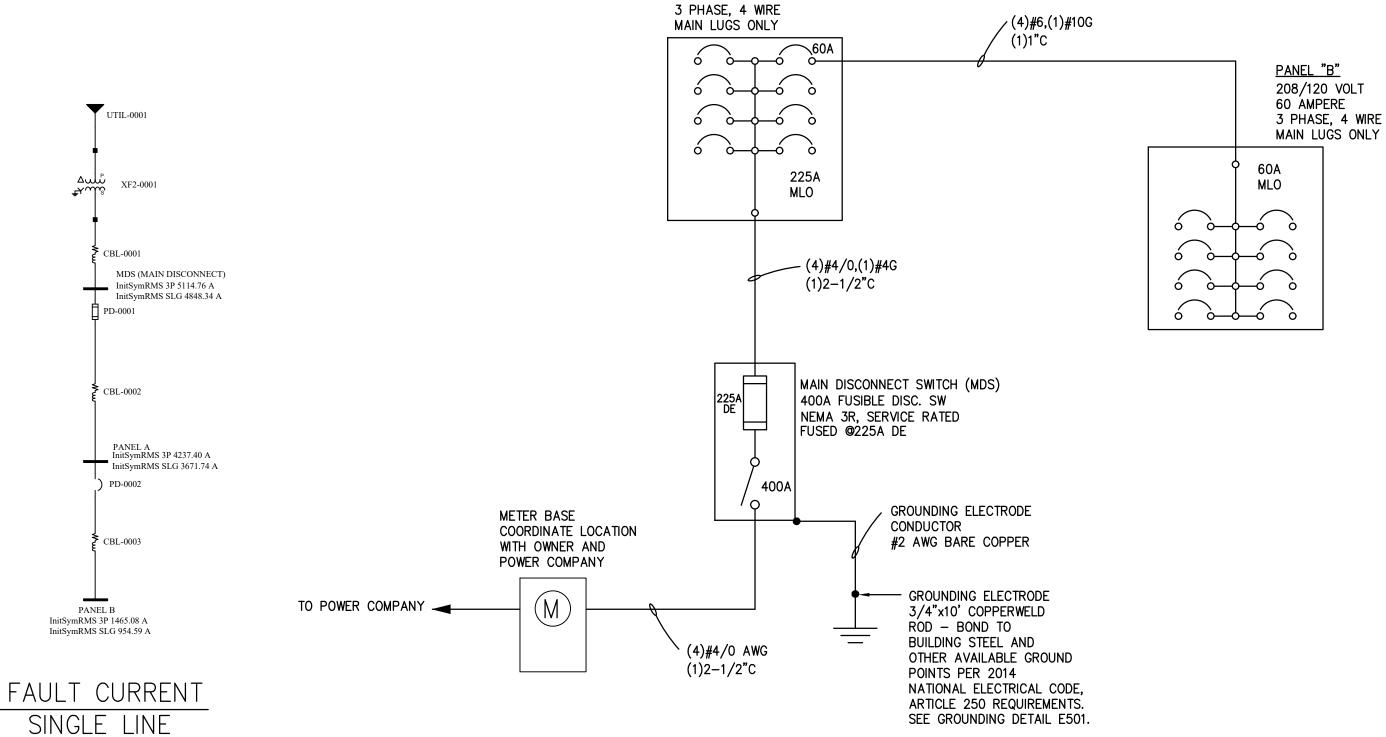
ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE

☐ Energy Cost Budget

Lighting Schedule

motor horespower N/A

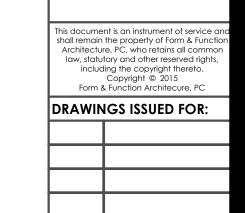


PANEL "A"

208/120 VOLT 225 AMPERE

SINGLE LINE DIAGRAM







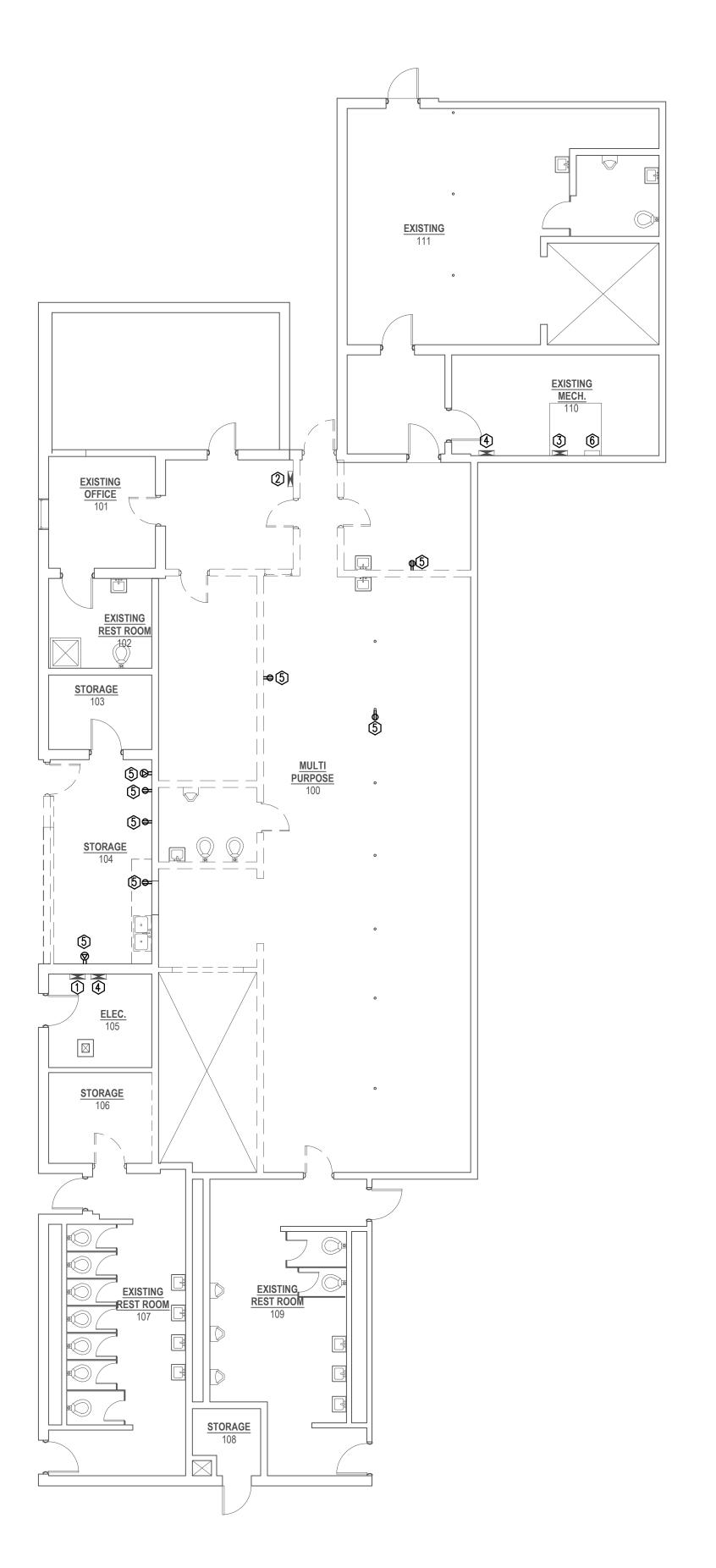




Enka Middle School Field House Renovation 390 Asbury Road, Candler NC

DEMOLITION PLAN

| Issue Date: 1.16.1



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

- 1. THIS BUILDING HAS TWO ELECTRICAL SERVICES. ELECTRICAL CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR REMOVAL OF EXISTING SERVICES.
- 2. ELECTRICAL CONTRACTOR TO REMOVE EXISTING GROUNDING ELECTRODES FROM EACH SERVICE.
- 3. DASHED LINES DENOTE WALLS THAT ARE TO BE DEMOLISHED. COORDINATE WITH GENERAL CONTRACTOR.
- 4. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ALL EXISTING WIRING THAT IS NO LONGER USED.

KEYED DEMOLITION NOTES:

- 1 ELECTRICAL CONTRACTOR TO REMOVE EXISTING 240/120V 225A AMP PANEL, SERVICE CONDUCTORS, AND SERVICE CONDUITS.
- 2 ELECTRICAL CONTRACTOR TO REMOVE EXISTING LOAD CENTER. REMOVE EXISTING FEEDERS AND CONDUIT.
- 3 ELECTRICAL CONTRACTOR TO REMOVE EXISTING 208/120V, 3 PHASE 225A PANEL SERVICE CONDUCTORS, AND SERVICE CONDUITS.
- 4 ELECTRICAL CONTRACTOR TO REMOVE EXISTING PANEL.
- (5) ELECTRICAL CONTRACTOR TO REMOVE EXISTING RECEPTACLE, CONDUIT, & WIRE BACK TO PANEL.
- 6 ELECTRICAL CONTRACTOR TO REMOVE EXISTING 150A/3P ENCLOSED CIRCUIT BREAKER, CONDUIT AND WIRING.

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





NC FIRM LICENSE #: C-1168

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DRAWINGS ISSUED FOR:

KEYED POWER NOTES:

- ① DENOTES PROPOSED LOCATION OF NEW 400A SERVICE ENTRANCE RATED DISCONNECT SWITCH. FUSED AT 225A DE.
- ② ELECTRICAL CONTRACTOR TO INSTALL NEW PANEL B IN LOCATION OF EXISTING 240/120V, 225A PANEL THAT IS INDICATED ON DEMO PLAN E201.
- ③ ELECTRICAL CONTRACTOR TO CONNECT EXISTING FURNACE TO NEW PANEL B AS INDICATED. UTILIZE EXISTING CONDUCTORS & CONDUIT.
- 4 ELECTRICAL CONTRACTOR TO CONNECT EXISTING BOILER & PUMP TO NEW PANEL B AS INDICATED. UTILIZE EXISTING CONDUCTORS & CONDUIT.
- ⑤ ELECTRICAL CONTRACTOR TO WIRE EXISTING DRYER TO NEW PANEL A AS INDICATED.
- 6 DENOTES EXISTING 208V, 20A RECEPTACLE. ELECTRICAL CONTRACTOR TO WIRE EXISTING RECEPTACLE TO NEW PANEL A AS INDICATED.
- ① DENOTES EXISTING DUPLEX RECEPTACLE. ELECTRICAL CONTRACTOR TO CONNECT TO NEW PANEL A AS INDICATED.
- DENOTES EXISTING UNIT HEATER. ELECTRICAL CONTRACTOR TO WIRE EXISTING HEATER
 TO NEW PANEL A AS INDICATED
- DENOTES EXISTING EXHAUST FAN TO REMAIN. ELECTRICAL CONTRACTOR TO CONNECT EXISTING EXHAUST FAN TO NEW PANEL B.
- (1) WIRE EXISTING EXHAUST FAN LIGHTING CIRCUIT IN ROOM. FAN TO BE CONTROLLED BY SWITCH IN ROOM.

GENERAL POWER NOTES:

- 1. "ex" ADJACENT TO SWITCH, DENOTES EXISTING SWITCH FOR PUMP & BOILER TO REMAIN AS IS.
- 2. COORDINATE EXACT LOCATION OF RECEPTACLES WITH OWNER PRIOR TO INSTALLING.
- 3. COORDINATE LOCATION OF ANY DESIRED DATA WITH OWNER PRIOR TO INSTALLING.
- 4. FOR ALL MOTOR DRIVEN EQUIPMENT TO REMAIN IN SERVICE, ELECTRICAL CONTRACTOR TO VERIFY A CODE COMPLIANT DISCONNECTING MEANS EXISTS.

Enka Middle School Field House Renovation 390 Asbury Road, Candler NC

POWER PLAN

1.16.17 3 Issue Date:



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DRAWINGS ISSUED FOR:

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	LIGHTING FIXTURE SCHEDULE									
	LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	LAMP	MANUFACTURER PART #	VOLTAGE	WATTAGE	MOUNTING	REMARKS			
А	8' INDUSTRIAL STRIP FIXTURE WITH WIRE GUARD WITH (4)32W T8 LAMPS	(4)32W T8	COLUMBIA LIGHTING CATALOG # CS8-232-EU-CSWG4	120	112	SURFACE MOUNTED				
A1	8' INDUSTRIAL STRIP FIXTURE WITH WIRE GUARD WITH (4)32W T8 LAMPS	(4)32W T8	COLUMBIA LIGHTING CATALOG # CS8-232-EU-CSWG4-CSHC	120	112	CHAIN HUNG				
В	4' INDUSTRIAL STRIP FIXTURE WITH WIRE GUARD WITH (2)32W T8 LAMPS	(2)32W T8	COLUMBIA LIGHTING CATALOG # CS4-232-EU-CSWG4	120	56	CHAIN HUNG				
С	4' SURFACE MOUNTED WRAPAROUND FIXTURE WITH (3)32W T8 LAMPS	(3)32W T8	COLUMBIA LIGHTING CATALOG # AWW4-332-3EU	120	82	SURFACE MOUNTED				
D	2' SURFACE MOUNTED WRAPAROUND FIXTURE WITH (2)17W T8 LAMPS	(2)17W T8	COLUMBIA LIGHTING CATALOG # AWN2-217-EU	120	30	SURFACE MOUNTED				
EM	DUAL HEAD EMERGENCY LIGHT WITH BATTERY BACKUP		COMPASS LIGHTING CATALOG # CU2	120	3					
ER	2-LAMP WEATHERPROOF REMOTE HEAD POWERED BY EXIT SIGN "EX1" BELOW	LED	COMPASS LIGHTING CATALOG # CORD	6	3					
EX1	THERMOPLASTIC LED EXIT SIGN WITH HEADS, BATTERY BACKUP, AND REMOTE HEAD POWER CAPACITY	LED	COMPASS LIGHTING CATALOG # CCRRC	120	12					
EX2	THERMOPLASTIC LED EXIT SIGN WITH HEADS AND NICKEL CADMIUM BATTERY BACKUP	LED	COMPASS LIGHTING CATALOG # CCR	120	12					
WP	LED WALL PACK WITH PHOTOCELL INTEGRAL TO FIXTURE	LED	DECO LIGHTING CATALOG # VINCI-LED-20-40-UNV-FINISH-PC	120	20	WALL MOUNTED				

LIGHTING FIXTURE SCHEDULE NOTES:

- 1. LIGHTING FIXTURES MANUFACTURER SHALL BE PROVIDED AS SPECIFIED, UNLESS PRE-APPROVED DURING BIDDING BY THE ARCHITECT/ENGINEER.
- 2. VERIFY VOLTAGE REQUIREMENTS WITH RESPECT TO FLOOR PLAN CIRCUITING AND PANEL SCHEDULES.
- 3. VERIFY MOUNTING HEIGHTS ON ALL WALL AND SURFACE MOUNTED FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN. 4. VERIFY ALL LUMINAIRE COLOR SELECTIONS WITH ARCHITECT PRIOR TO PURCHASING AND INSTALLING.
- 5. BATTERY PACKS FOR ALL EXIT AND EMERGENCY LIGHT FIXTURES SHALL BE CAPABLE OF PROVIDING EMERGENCY POWER TO THE FIXTURES FOR A MINIMUM OF 90 MINUTES.

SWITCH LEGEND

- S LOCAL TOGGLE SWITCH S.P.S.T, 20A, SPEC GRADE
- S3 3-WAY LOCAL TOGGLE SWITCH S.P.S.T, 20A, SPEC GRADE
- WS WALL MOUNTED OCCUPANCY SENSOR HUBBELL BUILDING AUTOMATION CATALOG# LHMDT1-COLOR
- OS1 DUAL TECHNOLOGY CEILING MOUNTED 360° OCCUPANCY SENSOR-500 SQ. FT HUBBELL BUILDING ALTOMATION CATALOGY OVER 500 HUBBELL BUILDING AUTOMATION CATALOG# OMNIDT-500
- POWER PACK HUBBELL BUILDING AUTOMATION CATALOG# UV-PP

GENERAL LIGHTING NOTES:

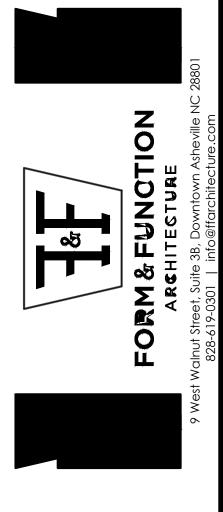
- 1. ALL LIGHT FIXTURES SHALL MEET THE SEISMIC REQUIREMENTS OF ASCE 7.
- 2. ELECTRICAL CONTRACTOR TO WIRE ALL EXIT SIGNAGE UN-SWITCHED TO THE LOCAL LIGHTING CIRCUIT IN THE ROOM WHERE MOUNTED.
- 3. LOWER-CASE LETTER ADJACENT TO LIGHT FIXTURE DENOTES SWITCH DESIGNATION FOR SWITCHING IN ROWS.
- 4. IN ROOMS THAT HAVE BOTH OCCUPANCY SENSOR AND SWITCH/SWITCHES, WIRE OCCUPANCY SENSOR AHEAD OF AND IN SERIES WITH SWITCH/SWITCHES.
- 5. COORDINATE WITH OWNER FOR PREFERRED LOCATION OF SWITCHES PRIOR TO INSTALLING.

OCCUPANCY SENSOR NOTES

- 1. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
- ULTRASONIC CEILING MOUNTED SENSORS REQUIRE THAT THEY BE NO CLOSER THAN 6 FEET TO AIR SUPPLY/RETURN REGISTERS.
- 3. ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT CONTROLLED.

KEYED LIGHTING NOTES:

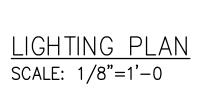
- ① DENOTES EXISTING 8' FIXTURE TO BE RELOCATED FROM CURRENT LOCATION TO NEW LOCATION AS SHOWN.
- ② DENOTES NEW 8' FIXTURE TO MATCH EXISTING LIGHT FIXTURES IN MUTI-PURPOSE ROOM. SEE FIXTURE SCHEDULE FOR FIXTURE CATALOG



Enka Middle School Field House Renovation 390 Asbury Road, Candler NC

LIGHTING PLAN

16.1 Issue Date:



c 🗨

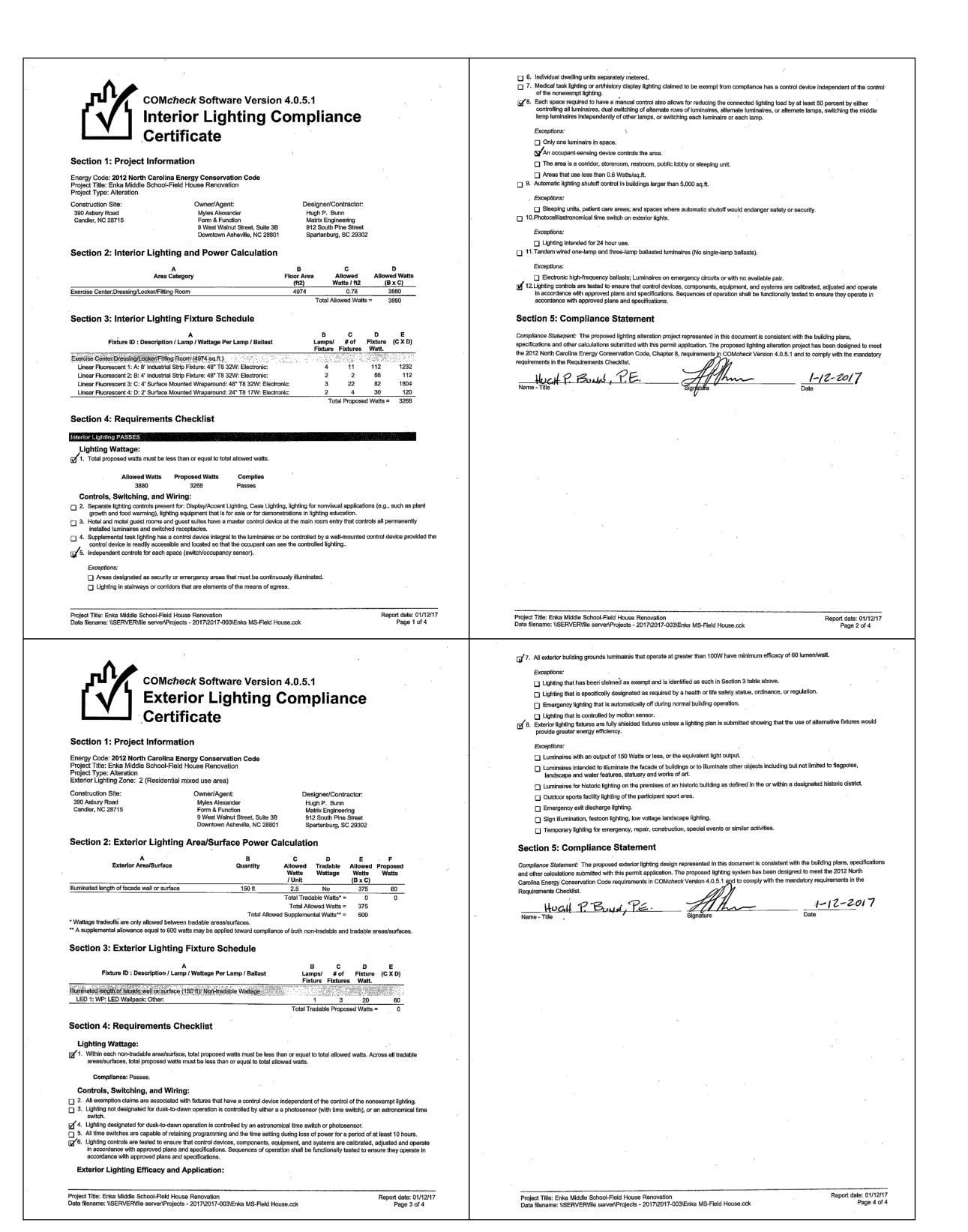
REST ROOM

A C

C 💽

STORAGE

ER EXT

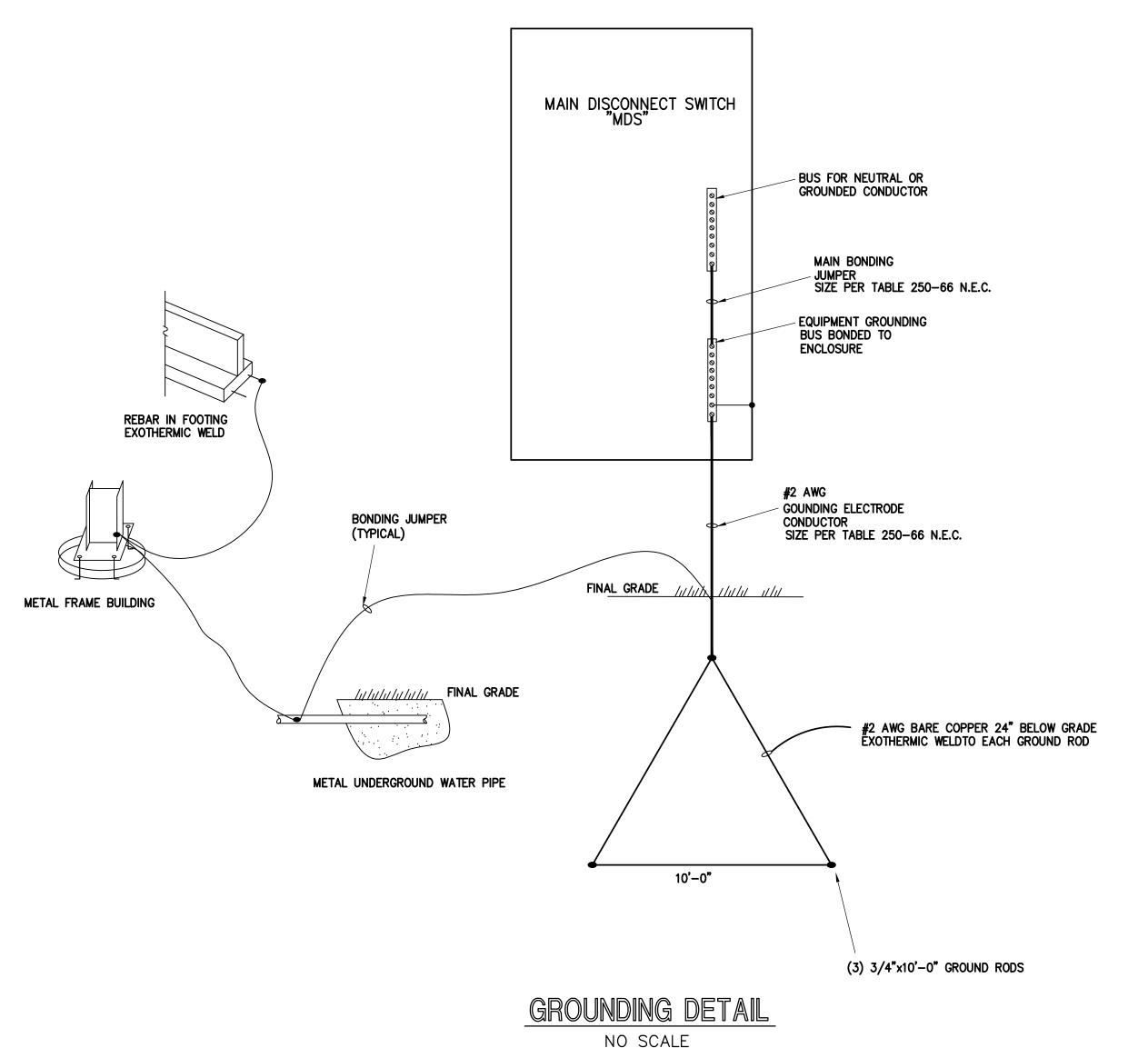






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COMcheck & ELECTRICAL DETAILS

6.1 Issue Date