

ELECTRICAL LEGEND

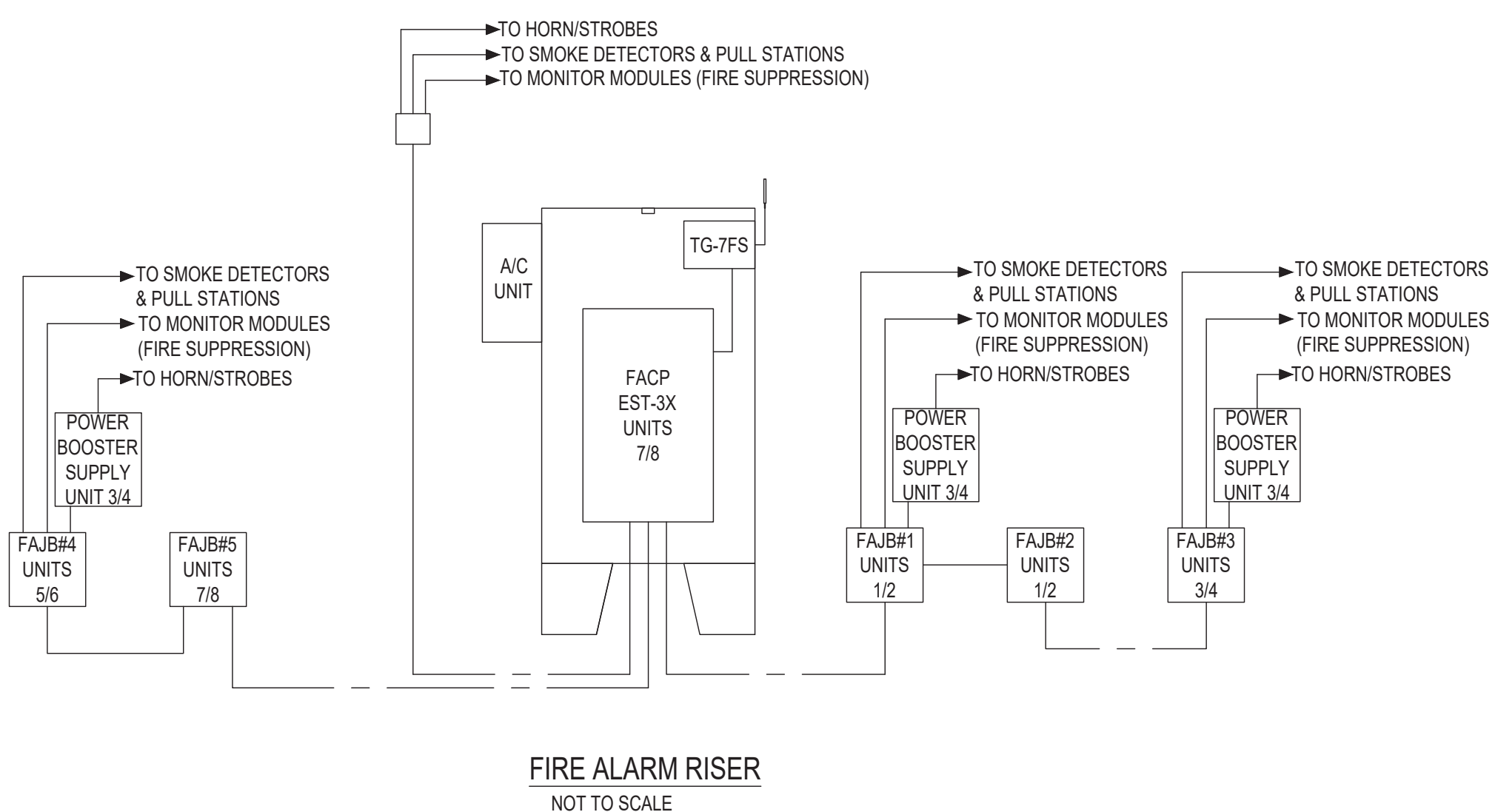
	HOMERUN TO PANEL, WIRING AND CONDUIT SIZED AS INDICATED.
	UNDERGROUND CONDUIT, SEE DETAIL.
	EXISTING SURFACE-MOUNTED RANGE RECEPTACLE TO REMAIN.
	EXISTING FLUSH-MOUNTED PANELBOARD, 1 PHASE, 120/240 VOLT.
	FACP FIRE ALARM CONTROL PANEL
	FIRE ALARM MANUAL PULL STATION, SURFACE-MOUNTED, 48" ABOVE FINISHED FLOOR TO HANDLE.
	FIRE ALARM NOTIFICATION APPLIANCE AMPLIFIER.
	FIRE ALARM HORN/STROBE, WALL MOUNTED, 90" ABOVE FINISHED FLOOR TO CENTER OF LENS. NUMBER INDICATES CANDELA INTENSITY. "WP" INDICATES WEATHERPROOF ENCLOSURE.
	ADDRESSABLE SMOKE DETECTOR WITH LOW-FREQUENCY SOUNDER BASE.
	FIRE ALARM MONITORING MODULE.
	RESIDENTIAL RANGE FIRE SUPPRESSION SYSTEM, BASIS OF DESIGN: GUARDIAN G300B.

ELECTRICAL ABBREVIATIONS

AFG	ABOVE FINISH GRADE	NEC	NATIONAL ELECTRICAL CODE
A	AMPERE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AIC	AMPERES INTERRUPTING CURRENT	N	NORTH
APPROX	APPROXIMATELY	NO.	NUMBER
AWG	AMERICAN WIRE GAUGE	NTS	NOT TO SCALE
BFG	BELOW FINISHED GRADE	PH	PHASE
BLDG	BUILDING	PVC	POLYVINYL CHLORIDE
CLG	CEILING	REQD	REQUIRED
CU	COPPER	RCPT	RECEPTACLE
EMT	ELECTRICAL METALLIC TUBING	REF	REFERENCE
EOR	ENGINEER OF RECORD	RGS	RIGID GALVANIZED STEEL
FACP	FIRE ALARM CONTROL PANEL	RM	ROOM
G, GND	GROUND	SPD	SURGE PROTECTIVE DEVICE
JBOX	JUNCTION BOX	TYP	TYPICAL
KW	KILOWATT	UL	UNDERWRITERS LABORATORIES
KVA	KILOVOLT AMPERES	W	WATT
MIN	MINIMUM	W/	WITH
MLO	MAIN LUG ONLY	WP	WEATHERPROOF
MTD	MOUNTED		

GENERAL ELECTRICAL NOTES

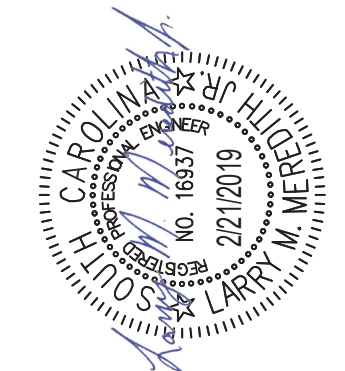
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST, ADOPTED EDITION OF FEDERAL/STATE/LOCAL CODES, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES, NATIONAL ELECTRICAL CODE(NEC/NFPA 70), INTERNATIONAL BUILDING CODE(IBC) AND ALL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION(AHJ).
- ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES AND PAY ALL FEES RELATIVE TO INSTALLATION OF ALL WORK. NOTIFY ENGINEER OF ANY EASEMENT MODIFICATION REQUIREMENTS.
- COMPLY WITH ALL SAFETY REGULATIONS INCLUDING, BUT NOT LIMITED TO OSHA, NATIONAL ELECTRICAL SAFETY CODE AND ALL OTHER SAFETY REGULATIONS.
- WHERE THE WORD "PROVIDE" IS USED, THIS SHALL MEAN "FURNISH AND INSTALL."
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY; PROVIDE ALL REQUIRED JUNCTION BOXES, PULL BOXES, SURFACE/RECESSED DEVICE BOXES, CONDUITS, FITTINGS, SUPPORTS, ACCESS DOORS, HARDWARE, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE, OPERABLE AND MAINTAINABLE ELECTRICAL SYSTEM.
- CONDUIT ROUTING AND BRANCH CIRCUIT WIRE ROUTING MAY OR MAY NOT BE SHOWN ON THE DRAWINGS; CONTRACTOR SHALL ADJUST ROUTING TO ACTUAL FIELD CONDITIONS.
- ALL CONTRACTORS SHALL PERFORM SITE VISITS AND HAVE THOROUGH FAMILIARITY WITH ALL PLANS, SPECIFICATIONS AND FIELD CONDITIONS BEFORE SUBMITTING A BID OR PRICING PROPOSAL. FIELD VERIFY ALL CRITICAL DIMENSIONS - DO NOT SCALE ELECTRICAL DRAWINGS. CHANGE ORDERS WILL BE REJECTED FOR ISSUES ARISING THAT COULD HAVE BEEN FORESEEN VIA THOROUGH FIELD INVESTIGATION PRIOR TO BID.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH OTHER CONTRACTORS AND TRADES PRIOR TO COMMENCING ELECTRICAL INSTALLATION WORK- YIELD RIGHT-OF-WAY TO GRAVITY DEPENDENT PLUMBING, AND ANY OTHER TRADE EQUIPMENT TO ENSURE PROPER OPERATION OF ALL SYSTEMS.
- CONTRACTOR SHALL OBTAIN A COPY OF AND COORDINATE WORK WITH ALL CONTRACT DOCUMENTS, SHOP DRAWINGS AND EQUIPMENT DOCUMENTS.
- ALL ELECTRICAL EQUIPMENT SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED LABORATORY (NRTL) ACCEPTABLE TO THE AHJ SUCH AS UNDERWRITER'S LABORATORY(UL). DO NOT ATTACH ELECTRICAL EQUIPMENT TO OTHER EQUIPMENT IF SUCH ATTACHMENT WOULD INVALIDATE ASSOCIATED LISTINGS.
- INSTALL ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, NEC AND NRTL REQUIREMENTS.
- PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL BRANCH AND FEEDER CONDUITS. BOND METALLIC EQUIPMENT UTILIZING GROUNDING BUSHINGS. UTILIZE MYER'S HUBS IN WET LOCATIONS. PROVIDE GROUNDING AND BONDING OF ALL METALLIC RACEWAYS, BOXES, TROUGHS, WIREWAYS, DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NEC.
- PROVIDE MACHINE PRINTED DIRECTORIES FOR ALL PANELBOARDS AFFECTED BY THIS PROJECT. DIRECTORIES SHALL CLEARLY AND ACCURATELY INDICATE NEW LOADS ADDED BY THIS PROJECT AND SHALL INDICATE PREVIOUSLY EXISTING CIRCUIT INFORMATION BASED ON BEST INFORMATION AVAILABLE.
- UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, ALL ELECTRICAL EQUIPMENT SHALL BE NEW AND MANUFACTURED WITHIN ONE YEAR OF INSTALLATION ON PROJECT.
- USING MACHINE PRINTED MELAMINE LABELING.
- ELECTRICAL WIRING, CONDUIT AND CIRCUIT BREAKERS FOR ELECTRICAL EQUIPMENT, AND ALL OTHER EQUIPMENT ARE BASED ON THE BASIS-OF-DESIGN EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS. ANY CHANGES IN EQUIPMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. LABOR AND MATERIAL CHANGES TO THE ELECTRICAL SYSTEM DUE TO CHANGES IN EQUIPMENT SHALL BE PAID FOR BY THE INITIATOR OF THE CHANGE AND SHALL BE CONSIDERED IN JUSTIFICATION OF CHANGE.
- EXACT LOCATION OF ALL EQUIPMENT, DEVICES AND ACCESSORIES SHALL BE FIELD VERIFIED AND COORDINATED WITH OTHER TRADES. ADJUST LOCATIONS TO SUIT FIELD CONDITIONS. COMPLY WITH WORKING AND ALL OTHER CLEARANCES REQUIRED BY NEC AND ALL APPLICABLE CODES; UTILIZE MANUFACTURER'S RECOMMENDED CLEARANCES IF GREATER THAN CODE REQUIREMENTS.
- COMPLY WITH WORKING AND ALL OTHER CLEARANCES REQUIRED BY THE NEC AND APPLICABLE CODES; UTILIZE MANUFACTURER'S RECOMMENDED CLEARANCES IF GREATER THAN CODE REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL RUN CONDUIT AND WIRING TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. VERIFY LOCATION AND TYPE OF CONNECTIONS/OUTLET FROM SHOP DRAWING OF ALL EQUIPMENT PRIOR TO ROUGH-IN. SEE EQUIPMENT LAYOUT DRAWING FOR EXACT LOCATION OF EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL PERFORM ALL CORE-DRILLING, CUTTING, DIGGING OR TRENCHING REQUIRED UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER'S REPRESENTATIVE AND ENGINEER. DO NOT ENDANGER STABILITY OF SITE, STRUCTURE OR ANY PART THEREOF.
- CONTRACTOR SHALL FIELD VERIFY SWITCH AND/OR CIRCUIT BREAKER SOURCE OF EACH BRANCH OR FEEDER CIRCUIT PRIOR TO PERFORMING ANY WORK.
- POWER WIRING SHALL BE COPPER WITH 600-VOLT THHN/THWN-2 INSULATION; #12AWG MINIMUM FOR POWER CIRCUITS. #10 AWG AND #12 AWG SHALL BE SOLID; #8 AWG AND LARGER SHALL BE STRANDED. ALL WIRING SHALL BE ROUTED IN CONDUIT, EXCEPT WHERE METAL CLAD CABLE IS ALLOWED.
- TERMINATE THREADED CONDUITS INTO THREADED HUBS IN WET LOCATIONS. INSTALL BUSHINGS ON CONDUITS UP TO 1-1/4" AND INSULATED THROAT METAL BUSHINGS ON 1-1/2" AND LARGER CONDUITS TERMINATED WITH LOCKNUTS. INSTALL INSULATED THROAT METAL GROUNDING BUSHINGS ON SERVICE CONDUITS. SEAL UNDERGROUND CONDUITS: BASIS OF DESIGN: POLY WATER FST DUCT SEALANT SYSTEM.
- CONNECTORS AND TERMINATIONS FOR CONDUCTORS SHALL BE COMPATIBLE WITH CONDUCTOR SIZE AND MATERIAL AND NRTL LISTED AND NEC COMPLIANT. AMPACITY LIMITATIONS OF ALL TERMINALS AND CONNECTORS SHALL NOT BE EXCEEDED UNDER NORMAL LOAD CONDITIONS.
- DO NOT EXCEED MAXIMUM PULLING TENSIONS OF WIRES AND CABLES; DO NOT VEND CABLES IN TIGHTER RADII THAN CABLES' MINIMUM BEND RADII.
- CONDUIT CONCEALED ABOVE GRADE IN DRY LOCATIONS SHALL BE ELECTRICAL METALLIC TUBING WITH COMPRESSION FITTINGS. CONDUIT ABOVE GRADE IN WET LOCATIONS SHALL BE RIGID GALVANIZED STEEL CONDUIT WITH THREADED FITTINGS. CONDUIT BELOW GRADE SHALL BE PVC, SCHEDULE 40 EXCEPT THAT ELBOWS SHALL BE RIGID GALVANIZED STEEL COATED IN BITUMASTIC PAINT.
- MINIMUM CONDUIT SIZE SHALL BE 3/4". SUPPORT CONDUITS IN ACCORDANCE WITH THE NEC; IF CONDUIT MANUFACTURER RECOMMENDS MORE STRINGENT SUPPORT SPACING, FOLLOW MANUFACTURER'S RECOMMENDED SPACING.
- PROTECT DEVICES AND EQUIPMENT DURING CONSTRUCTION; DEVICE OR EQUIPMENT REPLACEMENT MAY BE REQUIRED AT CONTRACTOR'S EXPENSE DUE TO DAMAGE.
- PROVIDE OPERATION AND MAINTENANCE MANUAL FOR ALL EQUIPMENT AND DEVICES PROVIDED. PROVIDE IN ELECTRONIC PDF FORMAT AND ONE HARD COPY.
- PROVIDE AS-BUILT DRAWING FOR ALL ELECTRICAL SYSTEMS. PROVIDE IN ELECTRONIC PDF FORMAT AND ONE HARD COPY.
- PROVIDE SUBMITTALS FOR ALL ELECTRICAL EQUIPMENT ON THIS PROJECT INCLUDING BUT NOT LIMITED TO: SWITCHBOARD, PANELBOARDS, DISCONNECTS, LIGHTING FIXTURES AND CONTROLS, WIRING DEVICES, GROUNDING EQUIPMENT, WIRING AND CONDUIT AND FITTINGS. PROVIDE IN ELECTRONIC PDF FORMAT REFERENCED TO ITS SPECIFIC SPECIFICATION SECTION WHERE APPLICABLE.



FIRE ALARM RISER
NOT TO SCALE

FIRE ALARM NOTES:

- PROVIDE ALL COMPONENTS NECESSARY TO OBTAIN A COMPLETELY FUNCTIONAL AND OPERATIONAL FIRE ALARM SYSTEM MEETING REQUIREMENTS OF U.L., NFPA AND OTHER APPLICABLE CODES.
- PROVIDE ALL WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE MANUFACTURER'S RECOMMENDATIONS.
- INITIATING DEVICES, NOTIFICATION APPLIANCES AND SIGNALING LINE CIRCUITS SHALL BE CLASS 'B' WIRING.
- ALL EXTERIOR DEVICES SHALL BE WEATHERPROOF.
- DETECTORS SHALL NOT BE LOCATED WITHIN THREE FEET OF AN AIR REGISTER.
- PROGRAM SMOKE DETECTORS SO THAT UPON ALARM OF ANY SMOKE DETECTOR ALL SOUNDER BASES IN THAT DUPLEX UNIT SHALL ACTIVATE AND A SMOKE VERIFICATION PROTOCOL WILL BE INITIATED. A GENERAL ALARM SHALL NOT BE TRANSMITTED TO THE REMOTE SUPERVISING STATION UNLESS SMOKE VERIFICATION IS CONFIRMED.
- PAINT CIRCUIT BREAKERS SUPPLYING THE FIRE ALARM CONTROL PANEL, NOTIFICATION APPLIANCE AMPLIFIERS AND CELLULAR COMMUNICATOR RED AND PROVIDE "LOCK-ON" TABS.
- LABEL EACH DEVICE WITH 1/2" DYMO TAPE. PROVIDE DETAILED FIRE ALARM DEVICE MAP OF SYSTEM IN THE FIRE ALARM CONTROL PANEL.
- PROVIDE SURGE SUPPRESSION ON ALL WIRING IN FIRE ALARM JUNCTION BOXES AND IN FIRE ALARM CONTROL PANEL.
- THE CELLULAR ALARM COMMUNICATOR SHALL BE U.L. LISTED WITH THE FIRE ALARM CONTROL PANEL SUPPLIED. THE COMMUNICATOR SHALL BE A TELGUARD TG-7FS FIRE ALARM COMMUNICATOR. PROVIDE WITH A WEATHERPROOF ANTENNA.
- MONITORING OF FIRE ALARM CONTROL PANEL SHALL BE ACCOMPLISHED BY CELLULAR SERVICE. CONTRACTOR SHALL PAY ALL COSTS FOR FIRST YEAR CELLULAR AND MONITORING SERVICE.
- PROVIDE NEMA 4 ENCLOSURE TO HOUSE FIRE ALARM CONTROL PANEL AND CELLULAR COMMUNICATOR TRANSMITTER. ENCLOSURE SHALL BE AUSTIN AB-483612SL OR EQUAL BY EATON WITH A 3-POINT LATCHING DOOR. PROVIDE WITH 12" FLOOR MOUNT KIT, 10"x10" PRINT POCKET, DOOR STOP KIT AND FLAT BACK PANEL. PAINT ENCLOSURE RED AND PROVIDE LABEL STATING "FIRE ALARM CONTROL PANEL."
- PROVIDE COOLING UNIT, PENTAIR MODEL # CR230216G015 OR EQUAL, TO CONDITION THE NEMA 4 ENCLOSURE. PROVIDE A SURFACE MOUNTED RECEPTACLE INSIDE THE ENCLOSURE TO SUPPLY THE COOLING UNIT.
- PROVIDE A 8" THICK REINFORCED CONCRETE PAD TO MOUNT THE OUTDOOR ENCLOSURE. PAD SHALL EXTEND AGAINST THE APARTMENT UNIT AND 4" IN ALL DIRECTIONS FROM THE OUTDOOR ENCLOSURE. PAD SHALL EXTEND 3" ABOVE GRADE. CAST BOLTS IN PAD TO SECURE ENCLOSURE. PROVIDE ADDITIONAL BOLTS AT TOP OF ENCLOSURE TO SECURE TO WALL. PROVIDE A SMOKE DETECTOR IN THE TOP OF THE NEMA 4 ENCLOSURE.

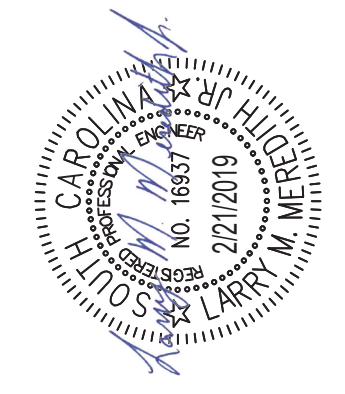
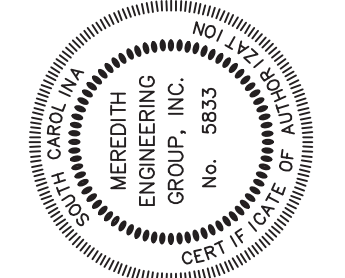
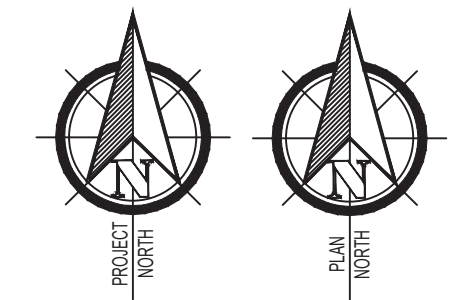


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OWNER: **LANDER UNIVERSITY**
GREENWOOD, SOUTH CAROLINA
ARCHITECT: **MC GHEE COURT**
FIRE ALARM MONITORING SYSTEM

LEGEND AND GENERAL NOTES

NO.	DATE	DESCRIPTION
1	2019-01-02	ISSUED FOR PERMIT
2	2019-01-02	ISSUED FOR PERMIT
3	2019-01-02	ISSUED FOR PERMIT
4	2019-01-02	ISSUED FOR PERMIT
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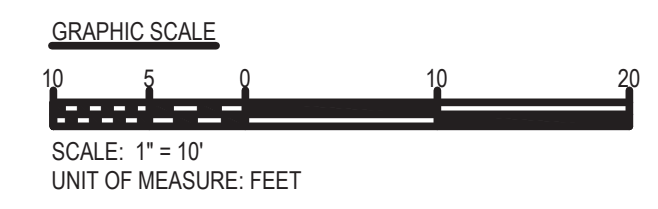
FIRE ALARM SITE PLAN:
SCALE: 1" = 10'

GENERAL NOTES:

1. TRANSITION TO RIGID GALVANIZED STEEL CONDUIT BEFORE STUBBING UP ABOVE GRADE. COAT STEEL CONDUIT WITH BITUMASTIC PAINT.
2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

KEY NOTES:

- ① DIRECTIONALLY DRILL/BORE A 1-1/2" CONDUIT FROM THE FIRE ALARM CONTROL PANEL (FACP) TO FAJB#1.
- ② PROVIDE A 1-1/2" CONDUIT BETWEEN FAJB#2 AND FAJB#3. PROVIDE A 1-1/2" CONDUIT BETWEEN FAJB#4 AND FAJB#5. UTILIZE TRADITIONAL CUT AND TRENCH METHODS TO INSTALL THESE CONDUITS.
- ③ PROVIDE 12" x 12" x 6" NEMA 3R PULLBOX MOUNTED ON EXTERIOR WALL, 18" AFG. PAINT TO MATCH FINISH OF WALL TO WHICH IT IS ATTACHED. PROVIDE WITH MELAMINE LABEL SECURED TO PULL BOX WITH STAINLESS STEEL SCREWS.
- ④ SEE "DUPLEX FIRE ALARM PLAN" ON SHEET E101.
- ⑤ CONDUIT ROUTED IN CRAWL SPACE.



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OWNER: **LANDER UNIVERSITY**
GREENWOOD, SOUTH CAROLINA
PROJECT: **MCGHEE COURT**
FIRE ALARM MONITORING SYSTEM

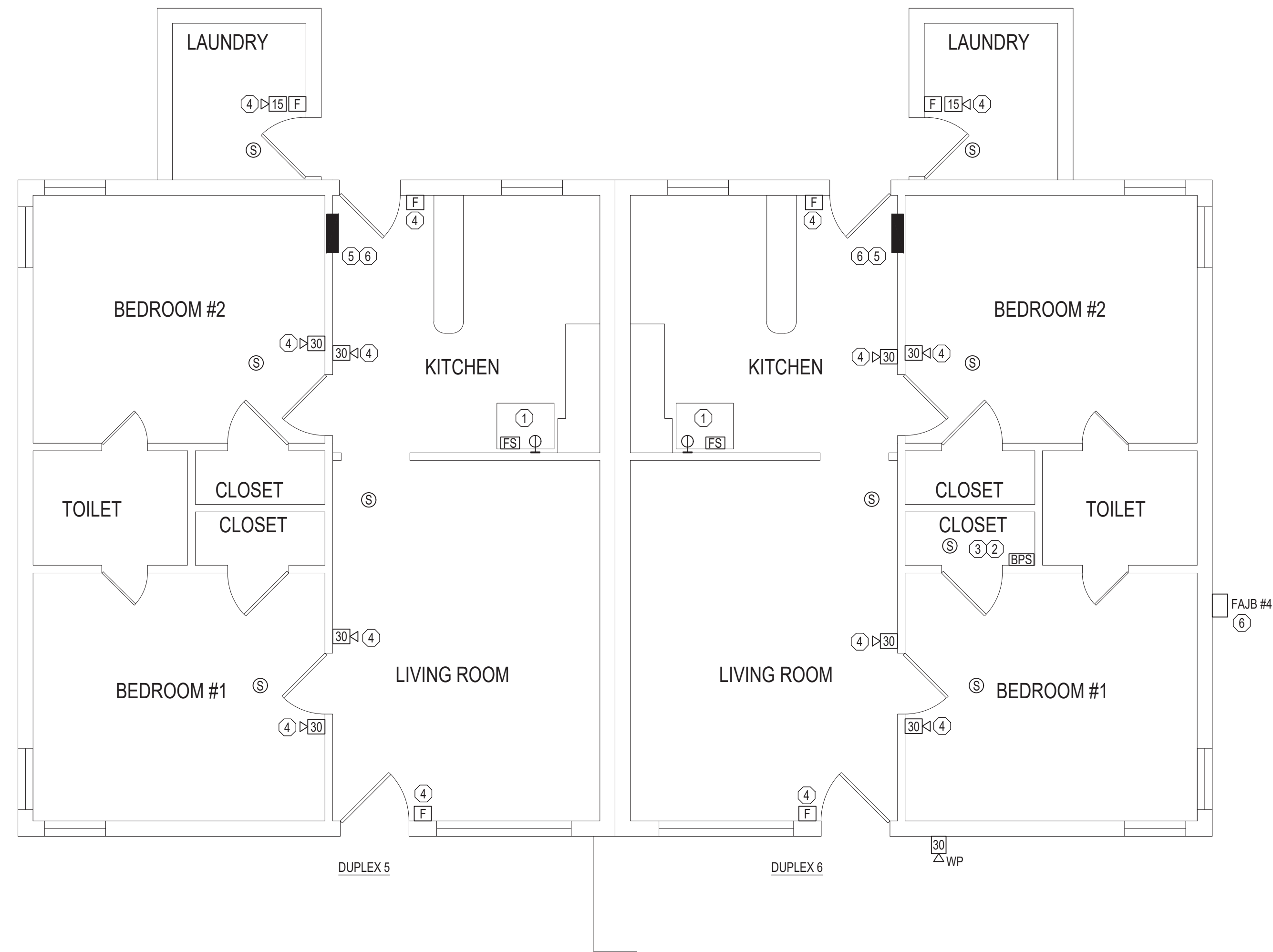
FIRE ALARM SITE PLAN

NO.	DATE	DESCRIPTION	BY	CHKD.
1	2/20/19	ISSUED FOR PERMITS	L. MEREDITH	L. MEREDITH
2	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
3	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
4	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
5	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
6	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
7	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
8	2/20/19	REVISED	L. MEREDITH	L. MEREDITH
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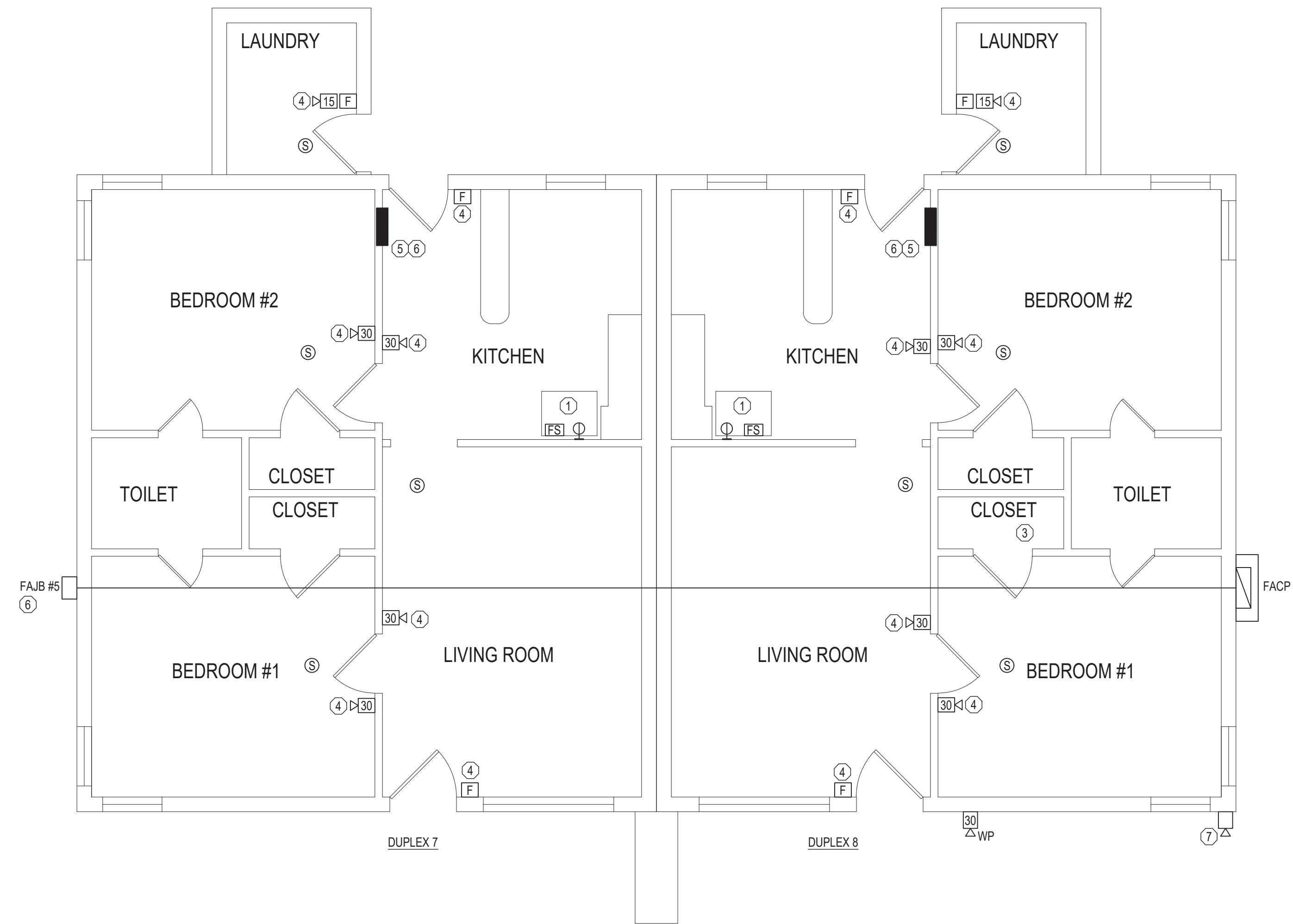
DATE: 2/20/19
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 PROJECT: MCGHEE COURT
 SHEET: E100
 SCALE: 1" = 10'
 UNIT OF MEASURE: FEET

KEY NOTES:

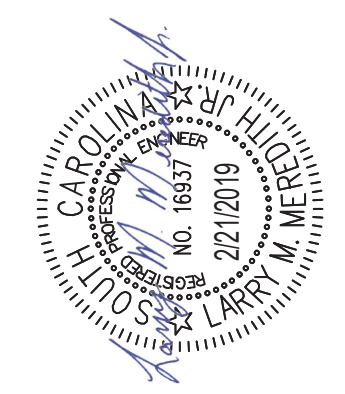
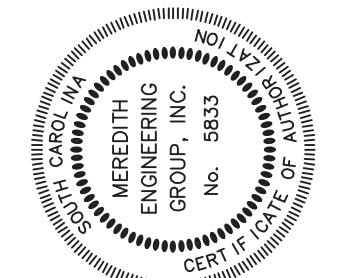
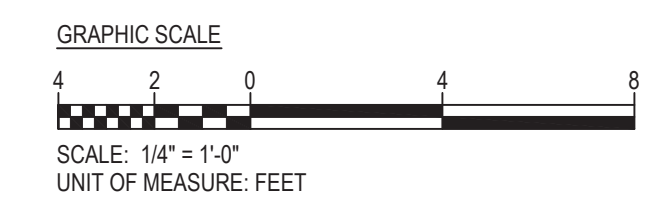
- ① PROVIDE A 2 POLE, 240V, 40A CONTACTOR IN NEMA 1 ENCLOSURE IN THE CABINET ABOVE EACH RANGE SO THAT POWER TO THE RANGE IS INTERRUPTED UPON ACTIVATION OF THE FIRE SUPPRESSION SYSTEM. PROVIDE A NEW SURFACE MOUNTED OUTLET BOX TO HOUSE THE EXISTING RANGE RECEPTACLE AND WIRING SPLICES. DISCONNECT THE EXISTING WIRING FROM THE RANGE RECEPTACLE AND SPLICE TO NEW WIRING (3#8,#10G.) AND ROUTE IN 1" EMT TO THE CONTACTOR IN THE CABINET ABOVE THE RANGE. PROVIDE 3#8,#10G. FROM THE CONTACTOR LOAD SIDE TERMINALS TO THE RANGE RECEPTACLE. LINE AND LOAD SIDE WIRING TO THE CONTACTOR FROM THE RANGE RECEPTACLE OUTLET BOX SHALL BE ROUTED IN THE SAME CONDUIT. WIRING FROM THE FIRE SUPPRESSION SYSTEM TO THE CONTACTOR SHALL UTILIZE MC CABLE.
- ② PROVIDE A NOTIFICATION APPLIANCE BOOSTER POWER SUPPLY IN UNITS 1/2, 3/4, AND 5/6. MOUNT SO TOP OF UNIT IS 12" BELOW THE CEILING. A BPS WILL NOT BE REQUIRED IN UNIT 7/8.
- ③ ROUTE FIRE ALARM WIRING IN CONDUIT FROM FIRE ALARM CONTROL PANEL OR FIRE ALARM JUNCTION BOX TO ATTIC THROUGH CRAWL SPACE AND BEDROOM CLOSET HOUSING AMPLIFIER IN UNITS 1/2, 3/4, AND 5/6. CONDUIT SHALL BE EMT WITH COMPRESSION FITTINGS. CONDUIT SHALL BE FACTORY-COATED RED. WIRING IN ATTIC SHALL BE METAL-CLAD CABLE, FACTORY-COATED RED.
- ④ ROUTE WIRING IN SURFACE MOUNTED METAL RACEWAY FROM ATTIC TO INTERIOR SURFACE MOUNTED PULL STATIONS AND HORNSTROBES. PAINT SURFACE MOUNTED RACEWAY TO MATCH WALL TO WHICH IT IS ATTACHED.
- ⑤ PROVIDE SEPARATE SINGLE POLE, 120V, 20A CIRCUIT BREAKERS IN THE EXISTING PANEL TO SUPPLY THE FACP, BOOSTER POWER SUPPLIES, CELLULAR COMMUNICATOR AND ENCLOSURE A/C. PROVIDE 2#12, #12G., 3/4" EMT FROM THE POWER PANEL TO THE FACP AND EACH BOOSTER POWER SUPPLY. PROVIDE A DEDICATED CIRCUIT (2#12, #12G.) FOR THE ENCLOSURE A/C AND CELLULAR COMMUNICATOR. THESE CIRCUITS MAY BE ROUTED IN THE SAME CONDUIT AS THE CIRCUIT FOR THE FACP. IN LIEU OF CONDUIT MC CABLE IS PERMITTED IN DRY LOCATIONS.
- ⑥ PROVIDE A #6 BARE COPPER GROUND FROM THE EXISTING PANEL GROUND BUS TO EACH FAJB FOR CONNECTION TO THE SURGE SUPPRESSION DEVICES.
- ⑦ PROVIDE REMOTE HORNSTROBE TROUBLE INDICATOR. TROUBLE INDICATOR SHALL BE WEATHERPROOF AND DISTINCT FROM NOTIFICATION APPLIANCES. PROVIDE SIGN THAT INDICATES IT IS A FIRE ALARM TROUBLE INDICATOR.



DUPLEX 5/6 FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"



DUPLEX 7/8 FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"



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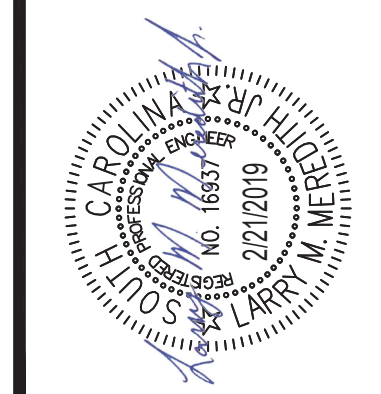
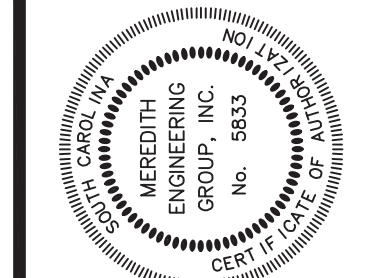
OWNER: **LANDER UNIVERSITY**
GREENWOOD, SOUTH CAROLINA
PROJECT: **McGHEE COURT**
FIRE ALARM MONITORING SYSTEM

DUPLEX FIRE ALARM PLAN
UNITS 5/6 AND 7/8

NO.	DATE	DESCRIPTION
1	2019-02-01	ISSUED FOR PERMIT
2	2019-02-01	ISSUED FOR PERMIT
3	2019-02-01	ISSUED FOR PERMIT
4	2019-02-01	ISSUED FOR PERMIT
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19	2019-02-01	ISSUED FOR PERMIT
20	2019-02-01	ISSUED FOR PERMIT

KEY NOTES:

- ① PROVIDE A 2 POLE, 240V, 40A CONTACTOR IN NEMA 1 ENCLOSURE IN THE CABINET ABOVE EACH RANGE SO THAT POWER TO THE RANGE IS INTERRUPTED UPON ACTIVATION OF THE FIRE SUPPRESSION SYSTEM. PROVIDE A NEW SURFACE MOUNTED OUTLET BOX TO HOUSE THE EXISTING RANGE RECEPTACLE AND WIRING SPLICES. DISCONNECT THE EXISTING WIRING FROM THE RANGE RECEPTACLE AND SPLICE TO NEW WIRING (3#8,#10G.) AND ROUTE IN 1' EMT TO THE CONTACTOR IN THE CABINET ABOVE THE RANGE. PROVIDE 3#8,#10G. FROM THE CONTACTOR LOAD SIDE TERMINALS TO THE RANGE RECEPTACLE. LINE AND LOAD SIDE WIRING TO THE CONTACTOR FROM THE RANGE RECEPTACLE OUTLET BOX SHALL BE ROUTED IN THE SAME CONDUIT. WIRING FROM THE FIRE SUPPRESSION SYSTEM TO THE CONTACTOR SHALL UTILIZE MC CABLE.
- ② PROVIDE A NOTIFICATION APPLIANCE BOOSTER POWER SUPPLY IN UNITS 1/2, 3/4, AND 5/6. MOUNT SO TOP OF UNIT IS 12" BELOW THE CEILING. A BPS WILL NOT BE REQUIRED IN UNIT 7/8.
- ③ ROUTE FIRE ALARM WIRING IN CONDUIT FROM FIRE ALARM CONTROL PANEL OR FIRE ALARM JUNCTION BOX TO ATTIC THROUGH CRAWL SPACE AND BEDROOM CLOSET HOUSING AMPLIFIER IN UNITS 1/2, 3/4, AND 5/6. CONDUIT SHALL BE EMT WITH COMPRESSION FITTINGS. CONDUIT SHALL BE FACTORY-COATED RED. WIRING IN ATTIC SHALL BE METAL-CLAD CABLE, FACTORY-COATED RED.
- ④ ROUTE WIRING IN SURFACE MOUNTED METAL RACEWAY FROM ATTIC TO INTERIOR SURFACE MOUNTED PULL STATIONS AND HORNSTROBES. PAINT SURFACE MOUNTED RACEWAY TO MATCH WALL TO WHICH IT IS ATTACHED.
- ⑤ PROVIDE SEPARATE SINGLE POLE, 120V, 20A CIRCUIT BREAKERS IN THE EXISTING PANEL TO SUPPLY THE FACP, BOOSTER POWER SUPPLIES, CELLULAR COMMUNICATOR AND ENCLOSURE A/C. PROVIDE 2#12, #12G., 3/4" EMT FROM THE POWER PANEL TO THE FACP AND EACH BOOSTER POWER SUPPLY. PROVIDE A DEDICATED CIRCUIT (2#12, #12G.) FOR THE ENCLOSURE A/C AND CELLULAR COMMUNICATOR. THESE CIRCUITS MAY BE ROUTED IN THE SAME CONDUIT AS THE CIRCUIT FOR THE FACP. IN LIEU OF CONDUIT MC CABLE IS PERMITTED IN DRY LOCATIONS.
- ⑥ PROVIDE A #6 BARE COPPER GROUND FROM THE EXISTING PANEL GROUND BUS TO EACH FAJB FOR CONNECTION TO THE SURGE SUPPRESSION DEVICES.
- ⑦ PROVIDE REMOTE HORNSTROBE TROUBLE INDICATOR. TROUBLE INDICATOR SHALL BE WEATHERPROOF AND DISTINCT FROM NOTIFICATION APPLIANCES. PROVIDE SIGN THAT INDICATES IT IS A FIRE ALARM TROUBLE INDICATOR.



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OWNER: **LANDER UNIVERSITY**
 GREENWOOD, SOUTH CAROLINA
 PROJECT: **McGHEE COURT**
FIRE ALARM MONITORING SYSTEM

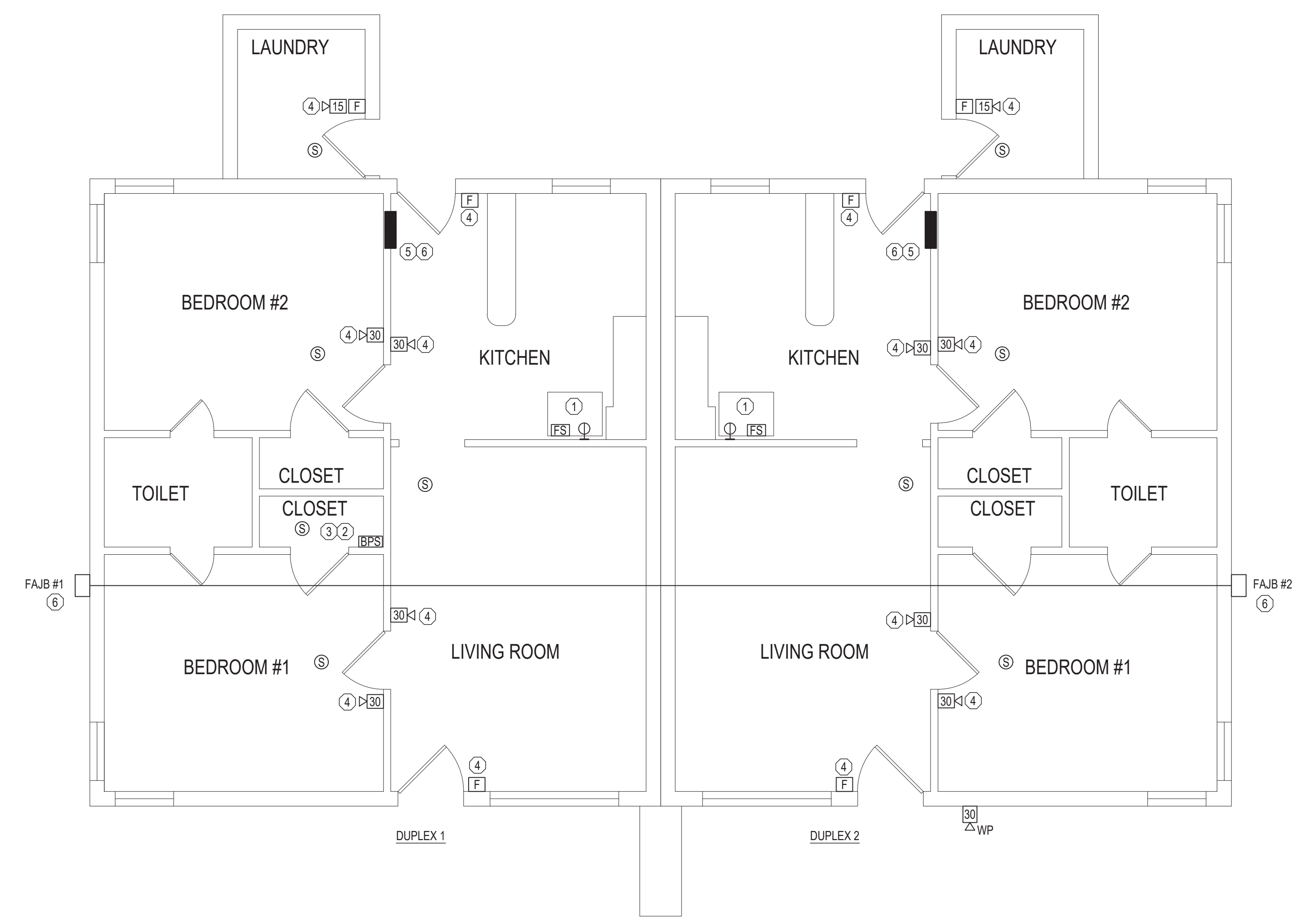
DATE: 2/21/2019
 DRAWN BY: L. MEREDITH
 CHECKED BY: L. MEREDITH
 PROJECT: DUPLEX FIRE ALARM PLAN
 UNITS 1/2 AND 3/4

NO.	DATE	DESCRIPTION
1	2/21/2019	ISSUED FOR PERMIT

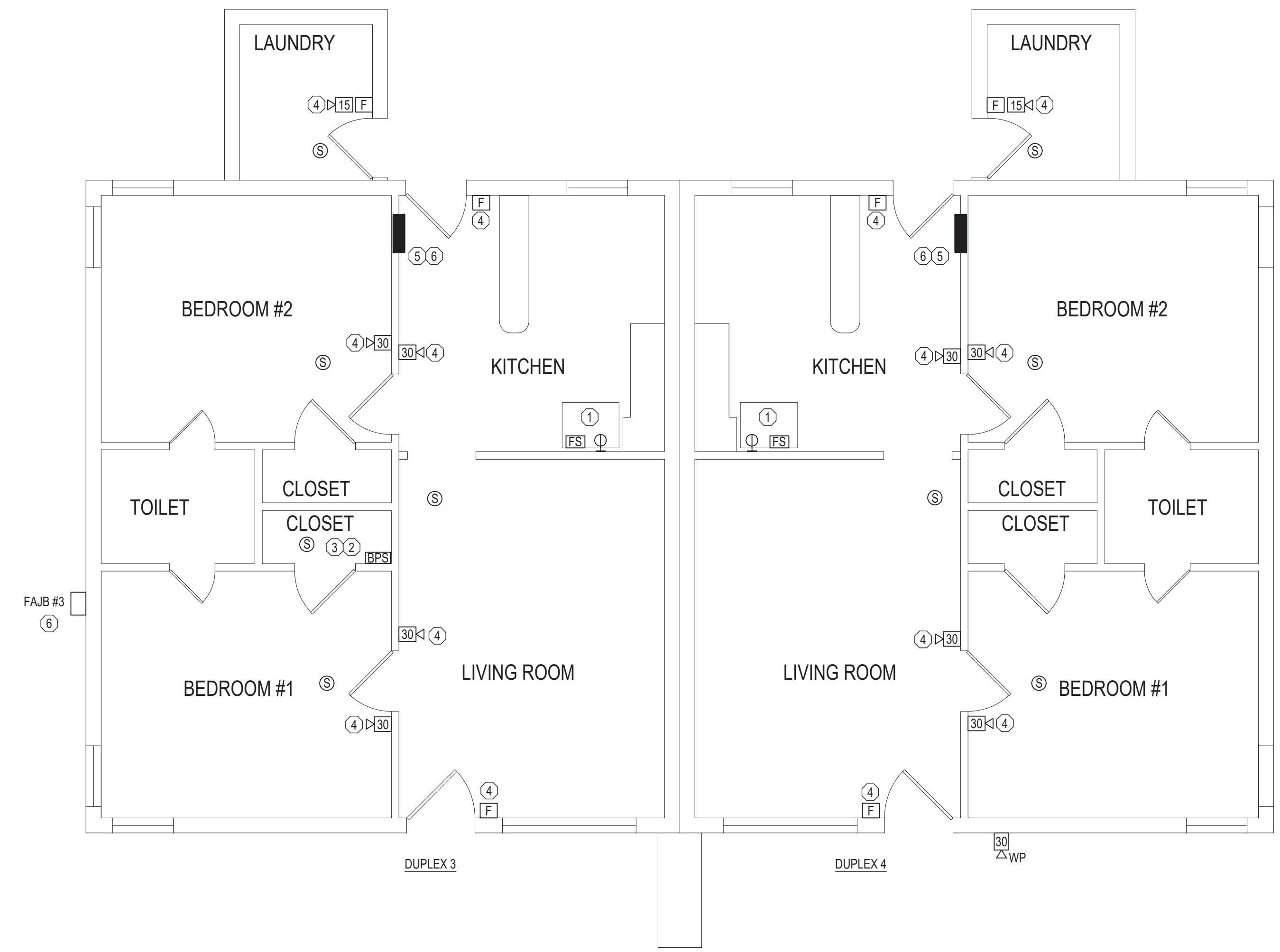
SCALE: 1/4" = 1'-0"
 UNIT OF MEASURE: FEET

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DUPLEX 1/2 FIRE ALARM PLAN
 SCALE: 1/4" = 1'-0"



DUPLEX 3/4 FIRE ALARM PLAN
 SCALE: 1/4" = 1'-0"

