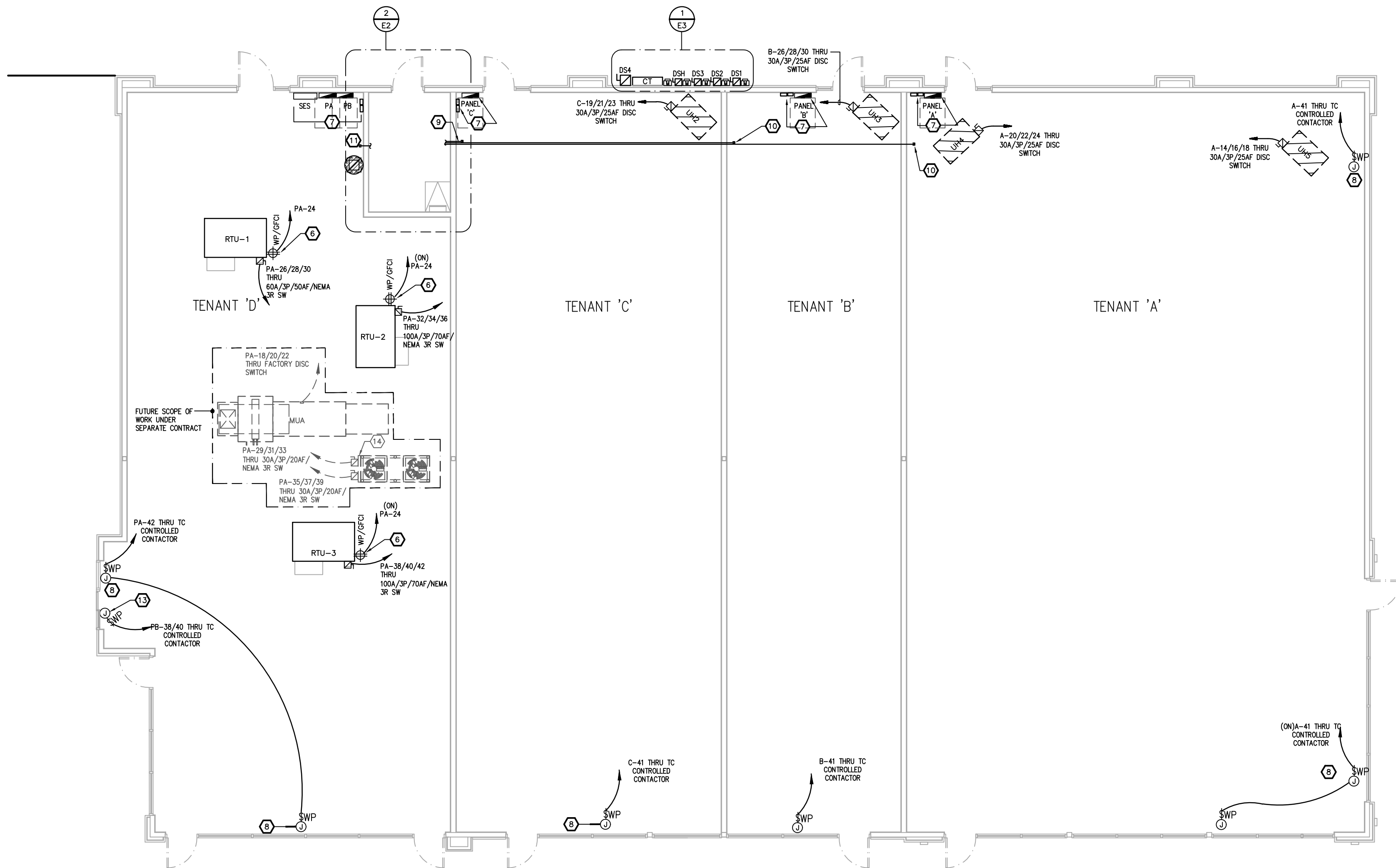


ENLARGED MECHANICAL ROOM POWER PLAN

2
E2

SCALE: 1/4"=1'-0"



1
E2

ELECTRICAL POWER PLAN

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



NOTES BY SYMBOL 'X'

- 4"x8"x0.75" FIRE TREATED PLYWOOD FOR COMMUNICATION BACKBOARD.
- 3"-3" CONDUITS, ONE IS SPARE, STUBBED UP 4" ABOVE THE FLOOR. CONDUITS TO BE ROUTED BELOW GRADE TO THE COMMUNICATION SERVICE PROVIDER'S EXISTING SITE CONDUITS. CONDUITS SHALL BE CONCRETE ENCASED WHERE LOCATED BELOW THE BUILDING. COORDINATE THE EXACT ROUTING AND CONDUIT LOCATIONS WITH THE CIVIL SITE DEVELOPMENT DRAWINGS.
- LIGHTING CONTROL PANEL "LCP".
- INSTALL GROUND BAR ON THE BACKBOARD. REFERENCE THE GROUND BUS DETAIL 4/ES FOR GROUND CONDUCTOR SIZE.
- COORDINATE LOCATION OF THE DISCONNECT SWITCH WITH THE EQUIPMENT INSTALLER. UNIT TO BE SERVED THROUGH THE ROOF CURB.
- RECEPTACLE PROVIDED AND INSTALLED ON THE ROOFTOP EQUIPMENT BY FACTORY. MAKE POWER CONNECTION TO THE RECEPTACLE THROUGH THE ROOF CURB FROM FUTURE TENANT PANEL.
- COORDINATE THE EXACT LOCATION OF THE TENANT PANEL BOARD, TIMELOCK AND CONTACTOR WITH THE LANDLORD AND ANY TENANT FINISH PLANS.
- INSTALL JUNCTION BOX AT FUTURE TENANT BUILDING SIGN LOCATION. ROUTE CONDUIT TO INSIDE THE BUILDING FOR CONTINUATION AND CONNECTION BY FUTURE TENANT. COORDINATE SIGN LOCATIONS WITH THE ARCHITECTURAL ELEVATIONS. INSTALL PER NEC 600.
- STUB FROM THE BUILDING COMMUNICATION BACKBOARD A 1" CONDUIT 6" INTO THE TENANT SPACE 14'-0" AFF.
- STUB FROM THE BUILDING COMMUNICATION BACKBOARD A 1.5" CONDUIT 6" INTO THE TENANT SPACE 14'-0" AFF.
- STUB FROM THE BUILDING COMMUNICATION BACKBOARD A 2" CONDUIT 6" INTO THE TENANT SPACE 14'-0" AFF.
- PROVIDE AND INSTALL A DUCT SMOKE DETECTOR IN THE RTU AIR RETURN. WIRE TO SHUT UNIT DOWN UPON SMOKE DETECTION. PROVIDE A REMOTE AUDIBLE/VISUAL ALARM WITH TEST AND DETECTOR RESET FUNCTIONS. DEVICE TO BE INSTALLED DURING TENANT FINISH.
- PROVIDE POWER FOR QUICK SERV "SST-460E" DRIVE THRU WINDOW WITH NON-HEATED "CF-25" AIR CURTAIN.
- FUTURE STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES.

GENERAL NOTES:

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL ELECTRIC CODE AS ADOPTED BY THE CITY.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- PROVIDE CONDUCTORS FOR LISTED APPLICATIONS AS FOLLOWS:
LIGHTING AND RECEPTACLE CIRCUITS: TYPE THHN/THWN, 600 VOLT, 75 DEGREE C THERMOPLASTIC INSULATED BUILDING CONDUCTOR.
POWER CIRCUITS AND FEEDERS: TYPE THHN/THWN, 600 VOLT, 75 DEGREE C THERMOPLASTIC INSULATED BUILDING CONDUCTOR.
LOW VOLTAGE AND LINE VOLTAGE CONDUCTORS: SIZES NO. 18 AND 18 AWG. TYPE TFFN, 600 VOLT 90° C THERMOPLASTIC INSULATED BUILDING CONDUCTOR.
UNDERGROUND POWER CIRCUITS AND FEEDERS: TYPE THHN/THWN, 600 VOLT, 75 DEGREE C WET RATING AND 90 DEGREES C DRY RATED THERMOSETTING FILLED INSULATING CABLE.
- ALL WIRING SHALL BE IN CONDUIT AND SHALL BE CONCEALED.
SCREW TYPE CONDUIT FITTINGS SHALL NOT BE ALLOWED.
CONDUIT CONNECTORS AND COUPLINGS SHALL COMPRESSION TYPE. SET SCREW TYPE CONDUIT FITTINGS SHALL NOT BE ALLOWED.
- ALL POWER CIRCUITS SHALL HAVE A GROUNDING CONDUCTOR.
- ALL RECEPTACLES SHALL BE AT 18" AFF UNLESS NOTED OTHERWISE.
- DUPLEX RECEPTACLES SHALL BE HUBBELL MODEL 5352 20A, 125V, NEMA CONFIGURATION S-20R WHITE DUPLEX RECEPTACLE. WEATHERPROOF RECEPTACLES SHALL BE GFCI NR TYPE MOUNTED IN A METAL WEATHERPROOF WHILE IN USE BOX WITH LIFT COVERPLATE.
- SWITCHES ARE AS LISTED ON THE LIGHTING CONTROL DEVICE SCHEDULE. STANDARD SWITCHES SHALL BE RATED FOR 20A, 120-277V, WHITE IN COLOR AND SHALL BE AS FOLLOWS: SINGLE POLE HUBBELL 1221-WHL, THREE WAY HUBBELL 1223-WHL.
- ALL DEVICES AND COVERPLATES SHALL BE WHITE PLASTIC.
- RECESSED FLOOR BOXES SHALL BE LEGRAND RFB2-06/PBPC CONCEALED SERVICE FLOOR BOX WITH CARPET PLATE AND DEVICE FACEPLATES AS REQUIRED FOR DEVICES TO BE INSTALLED AS SHOWN ON PLANS. EQUIVALENT FLOOR BOXES BY HUBBELL.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, WIRE, BOXES, ETC. FOR THE INSTALLATION OF THERMOSTATS. INSTALLATION AND CONNECTION OF THERMOSTATS SHALL BE BY THE HVAC CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A TYPED CIRCUIT DIRECTORY FOR ALL PANELS. DIRECTORY INFORMATION SHALL INCLUDE CIRCUIT NUMBER AND EQUIPMENT SERVED.
- ELECTRICAL CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTORS FOR ALL HVAC UNITS GREATER THAN 2,000 CFM SUPPLY. DUCT DETECTORS SHALL BE EQUAL TO NOTIFIER #WH4040DC WITH SAMPLING TUBE IN LENGTH PROPER FOR DUCT SIZE, RTS-451KEY REMOTE KEYED TEST STATION, AND APA-451 REMOTE ANNUNCIATOR ALARM LED.
- CONTRACTOR SHALL CONTACT THE LOCAL ELECTRICAL UTILITY COMPANY AND ARRANGE FOR ELECTRIC SERVICE AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC. INCURRED BY UTILITY COMPANY INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR ELECTRIC SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.



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NUMBERS SHOWN are to finish face of a material unless otherwise indicated. INCLUDE & RECHECK dimensions - IN NET SIZE. Group notes otherwise stated.

project title

CFT RETAIL BUILDING

2901 S. CHURCH STREET
MURFREESBORO, TN 37127

project number

20045.003

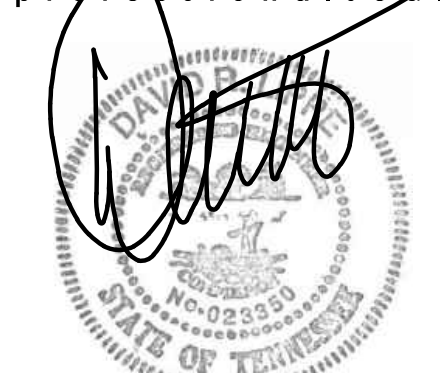
drawing issuance

PERMIT/BID SET 6.1.2021

drawing revisions

No.	Description	Date
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professional seal



06-01-2021

drawing title

ELECTRICAL POWER PLAN

drawing number

E2



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