

LEGEND		(NOT ALL SYMBOLS MAY BE USED)
SYMBOL	DESCRIPTION	
LIGHTING		
	LIGHTING FIXTURE ANNOTATIONS (LOCATION OF DESIGNATORS MAY VARY) FIXTURE TYPE: XX CIRCUIT NUMBER: 1 CONTROL DESIGNATION: x	
	SURFACE, SUSPENDED, OR RECESSED LUMINAIRE (TYPE DETERMINES MOUNTING)	
	RECESSED OR SURFACE DOWNLIGHT LUMINAIRE	
	PENDANT MOUNTED LUMINAIRE	
	WALLWASH LUMINAIRE	
	WALL MOUNTED LUMINAIRE	
	NO SHADING INDICATES CONNECTION TO NORMAL BRANCH CIRCUIT	
	HALF-SHADING INDICATES CONNECTION TO CRITICAL BRANCH CIRCUIT	
	FULL-SHADING INDICATES CONNECTION TO LIFE SAFETY BRANCH CIRCUIT	
	ILLUMINATED EXIT SIGNS - PROVIDE DIRECTIONAL ARROWS AND MOUNTING AS INDICATED ON PLANS	
	BATTERY POWERED EMERGENCY LIGHT	
	TRACK LIGHTING	
	POLE MOUNTED SITE LIGHTING LUMINAIRE	
	GROUND OR POLE MOUNTED FLOODLIGHT	
	FAA SPECIALTY LIGHTING (TYPE DETERMINES MOUNTING)	
RECEPTACLES		
	DUPEX RECEPTACLE - STANDARD MOUNTING HEIGHT 11 = CIRCUIT NUMBER (TYPICAL) XX= RECEPTACLE DESIGNATOR (TYPICAL)	
	DUPEX RECEPTACLE - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	DOUBLE-DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT	
	DOUBLE-DUPLEX RECEPTACLE - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	DUPEX GFCI RECEPTACLE - STANDARD MOUNTING HEIGHT	
	DUPEX GFCI RECEPTACLE - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	SWITCHED DUPEX RECEPTACLE - STANDARD MOUNTING HEIGHT	
	DUPEX RECEPTACLE, CRITICAL POWER - STANDARD MOUNTING HEIGHT	
	DUPEX RECEPTACLE, CRITICAL POWER - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	DOUBLE-DUPLEX RECEPTACLE, CRITICAL POWER - STANDARD MOUNTING HEIGHT	
	DOUBLE-DUPLEX RECEPTACLE, CRITICAL POWER - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	DUPEX GFCI RECEPTACLE, CRITICAL POWER - STANDARD MOUNTING HEIGHT	
	DUPEX GFCI RECEPTACLE, CRITICAL POWER - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	SPECIAL CONFIGURATION RECEPTACLE (TYPE AS NOTED)	
	SPECIAL CONFIGURATION RECEPTACLE, CRITICAL POWER (TYPE AS NOTED)	
	FLOOR MOUNTED RECEPTACLE	
	FLOOR MOUNTED RECEPTACLE, CRITICAL POWER	
	PLUGMOLD OR RACEWAY WITH RECEPTACLES AS NOTED	
MISCELLANEOUS		
	MEDICAL GAS AREA ALARM PANEL	
	BUILDING AUTOMATION SYSTEM CONTROL PANEL	
	MEDICAL GAS COMPRESSED AIR CONTROL PANEL	
	GENERATOR REMOTE ANNUNCIATOR PANEL	
	MEDICAL GAS MASTER ALARM PANEL	
	MEDICAL GAS NITROGEN CONTROL PANEL	
	SECURITY SYSTEM CONTROL PANEL	
	DOOR SWITCH MOUNTED IN DOOR JAMB	
	DOOR RELEASE PUSH BUTTON	
	CARD READER	
	ELECTRONIC KEY PAD	
	PUSH BUTTON STATION	
	VARIABLE FREQUENCY DRIVE	
	PUSH PLATE (DOOR OPERATOR)	
	SPECIALTY EQUIPMENT TAG	
	MECHANICAL EQUIPMENT TAG	
	COMMUNICATIONS OUTLET - STANDARD MOUNTING HEIGHT, SPECIAL MOUNTING HEIGHT, CEILING	
	WALL PHONE	
	CATV OUTLET	

LEGEND		(NOT ALL SYMBOLS MAY BE USED)
SYMBOL	DESCRIPTION	
SWITCHES AND LIGHTING CONTROLS		
NORMAL	CRITICAL	
		SINGLE POLE SWITCH
		DOUBLE POLE, SINGLE THROW SWITCH
		THREE-WAY SWITCH
		FOUR-WAY SWITCH
		SINGLE POLE SWITCH - KEY OPERATED
		DIMMER SWITCH
		LOW VOLTAGE SWITCH
		SINGLE POLE SWITCH WITH PILOT LIGHT
		OCCUPANCY SENSOR SWITCH, WALL MOUNT
		VACANCY DIMMER
		VACANCY SENSOR SWITCH
		MOTOR RATED SWITCH WITH THERMAL OVERLOAD
		TIMER SWITCH
		VARIABLE INTENSITY SWITCH
		JOG SWITCH
		CIRCUIT BREAKER
		PHOTOCELL - CEILING / WALL MOUNT
		OCCUPANCY SENSOR - CEILING / WALL MOUNT
		DAYLIGHT SENSOR - CEILING / WALL MOUNT
		VACANCY SENSOR - CEILING / WALL MOUNT
FIRE ALARM		
	FIRE ALARM VISUAL DEVICE - STROBE ONLY	
	FIRE ALARM CEILING MOUNT VISUAL DEVICE - STROBE ONLY	
	FIRE ALARM AUDIO DEVICE	
	FIRE ALARM AUDIO DEVICE WITH STROBE	
	FIRE ALARM HORN	
	FIRE ALARM HORN WITH STROBE	
	FIRE ALARM CEILING MOUNT HORN WITH STROBE	
	FIRE ALARM CEILING MOUNT AUDIO DEVICE WITH STROBE	
	FIRE ALARM CEILING MOUNT SPEAKER	
	FIRE ALARM MANUAL PULL STATION	
	FIRE ALARM SMOKE DETECTOR NO SUBSCRIPT= IONIZATION TYPE; P= PHOTOELECTRIC; S= SINGLE STATION SMOKE ALARM	
	FIRE ALARM HEAT DETECTOR SUBSCRIPT AS FOLLOWS: R=RATE OF RISE; T=FIXED TEMPERATURE	
	FIRE ALARM DUCT SMOKE DETECTOR	
	GAS DETECTOR	
	FLAME DETECTOR	
	BEAM DETECTOR SUBSCRIPT AS FOLLOWS: T=TRANSMITTER; R=RECEIVER	
	FIRE ALARM CONTROL MODULE	
	FIRE ALARM MONITOR MODULE	
	FIRE ALARM RELAY MODULE	
	FLOW SWITCH	
	TAMPERSWITCH	
	FIREFIGHTER'S TELEPHONE JACK	
	MAGNETIC DOOR HOLDER	
	SMOKE DETECTOR REMOTE INDICATOR / TEST SWITCH	
	FIRE ALARM CONTROL PANEL	
	FIRE ALARM ANNUNCIATOR PANEL	
	FIRE ALARM EXTENDER PANEL	
	SMOKE CONTROL AND PRESSURE PANEL	

LEGEND		(NOT ALL SYMBOLS MAY BE USED)	
SYMBOL	DESCRIPTION		
MISCELLANEOUS			
	NON-FUSIBLE SAFETY SWITCH, SIZE AS NOTED (AMP RATING/POLES)		
	FUSIBLE SAFETY SWITCH, SIZE AS NOTED (AMP RATING/POLES/FUSE SIZE)		
	COMBINATION MOTOR STARTER		
	FACTORY WIRED CONTROLLER OR EQUIPMENT		
	MOTOR CONNECTION		
	DUCT HEATER CONNECTION		
	JUNCTION BOX		
	PANELBOARD		
	X-RAY ISOLATION PANEL LINE ISOLATION MONITOR		
	ISOLATION PANEL LINE ISOLATION MONITOR		
	CLOCK, SINGLE FACE - CLOCK AND RECEPTACLE AS SPECIFIED		
	CLOCK, DOUBLE FACE - CLOCK AND RECEPTACLE AS SPECIFIED		
	ELAPSED TIMER - DIGITAL TYPE		
	ELAPSED TIMER CONTROL - DIGITAL TYPE		
ABBREVIATIONS			
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ABC	ABOVE COUNTER	FLR	FLOOR MOUNTED
ADO	AUTOMATIC DOOR OPENER	FSD	FIRE/SMOKE DAMPER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR	ICE	ICE MACHINE/MAKER
AFG	ABOVE FINISHED GRADE	IG	ISOLATED GROUND
BW	BLANKET WARMER	LS	LIFE SAFETY BRANCH
C	CRITICAL BRANCH	MW	MICROWAVE
CC	CRASH CART	PC	PERSONAL COMPUTER WORKSTATION
CLG	CEILING	PR	PRINTER
COF	COFFEE MACHINE	PT	PNEUMATIC TUBE
COP	COPIER	RF	REFRIGERATOR
CR	CONTROLLED RECEPTACLE	RX	PHARMACEUTICAL DISPENSER
CS	CONTROLLED RECEPTACLE - SPLIT WIRED	TC	TIME CLOCK
DC	DIGITAL CLOCK	TR	TAMPER RESISTANT
DW	DISHWASHER	TV	TELEVISION
EQ	EQUIPMENT BRANCH	URF	UNDERCOUNTER REFRIGERATOR
EPO	EMERGENCY POWER OFF	USB	RECEPTACLE WITH USB OUTLET(S)
EV	ELECTRICAL VEHICLE CHARGING STATION	USBX	USB ONLY (X) = NUMBER OF USB OUTLETS
EWB	ELECTRONIC WHITE BOARD	VFD	VARIABLE FREQUENCY DRIVE
EWC	ELECTRIC WATER COOLER	VM	VENDING MACHINE
FBO	FURNISHED BY OTHERS	WP	WEATHERPROOF
FI	FILM ILLUMINATOR (VIEW BOX)		

FIRE ALARM TO BE DEFERRED

FIRE ALARM DRAWINGS TO BE SUBMITTED BY FIRE ALARM CONTRACTOR FOR APPROVAL BY AHJ (CITY OF BEAUMONT). CONTRACTOR TO ADD FA DEVICES AS REQUIRED BY APPLICABLE CODES. NEW DEVICES TO BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. FIELD VERIFY BRAND OF THE EXISTING FIRE ALARM SYSTEM. COLOR OF THE NEW DEVICES TO MATCH COLOR OF EXISTING DEVICES. NEW DEVICES TO BE TESTED AFTER INSTALLATION. FA CONTRACTOR TO COORDINATE WITH THE FIRE MARSHAL'S OFFICE FOR PERMIT AND FINAL INSPECTION.

FIRE ALARM SEQUENCE OF OPERATION

FIRE ALARM SEQUENCE OF OPERATION HAS NOT BEEN AFFECTED BY THIS RENOVATION.

ELECTRICAL MATERIAL AND EQUIPMENT

THE MAKER'S NAME, TRADEMARK, OR OTHER IDENTIFICATION SYMBOL SHALL BE PLACED ON ELECTRICAL MATERIALS, APPARATUS, DEVICES, APPLIANCES, FIXTURES, AND EQUIPMENT USED OR INSTALLED UNDER THE PROVISION OF THIS CODE. ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED AND LABELED FOR THE INTENDED USE AND SHALL BE INCLUDED IN A LIST PUBLISHED BY AN APPROVED AGENCY.

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SSR Project #: 20230850

SHEET INDEX	
NUMBER	SHEET NAME
E001	ELECTRICAL - LEGENDS, INDEX & NOTES
ED104	ELECTRICAL - LEVEL 4 PLAN - DEMOLITION
EP101A	ELECTRICAL - LEVEL 1 AREA A PLAN - POWER
EP101B	ELECTRICAL - LEVEL 1 AREA B PLAN - POWER
EP102	ELECTRICAL - LEVEL 2 PLAN - POWER
EP103	ELECTRICAL - LEVEL 3 PLAN - POWER
EP104	ELECTRICAL - LEVEL 4 PLAN - POWER
EP105	ELECTRICAL - LEVEL 5 PLAN - POWER
EP106	ELECTRICAL - OVERALL ROOF PLAN - POWER
E501	ELECTRICAL - DETAILS
E601	ELECTRICAL - SINGLE LINE DIAGRAM
E801	ELECTRICAL - PANELBOARD SCHEDULES

DEMOLITION NOTES

A. ALL WORK SHOWN IS THE RESULT OF LIMITED FIELD INVESTIGATION AND EXISTING ORIGINAL PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BIDDING.

B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE WORK BEGINS. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BEGINNING WORK AND REVIEW ALL AREAS CONCERNED WITH THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE DESIGNER OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS INDICATING ANY ADDITIONAL WORK REQUIRED TO BE PERFORMED WITH EXPLANATION OF WORK.

C. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE ALL DEMOLITION WORK WITH THE OWNER WELL IN ADVANCE. WORK SHALL BE PERFORMED AT SUCH TIMES AND UNDER SUCH CONDITIONS AS SUITS THE OWNER. COORDINATE ELECTRICAL SYSTEMS OPERATION INTERRUPTIONS WITH BUILDING OPERATIONS PERSONNEL. DEMOLITION SHALL BE STAGED TO MAINTAIN DOWNTIME AT AN ABSOLUTE MINIMUM.

D. PATCH HOLES LEFT IN WALLS AND FLOORS AFTER REMOVAL OF EXISTING PIPING, CONDUIT, ETC... TO MATCH NEW OR EXISTING CONSTRUCTION AND FIRE RATING.

E. REMOVE ALL JUNCTION BOXES, CONDUIT, PIPE HANGERS, STRAPS OR TIE WIRES ANCHORED IN CONCRETE SLAB ABOVE CEILING THAT ARE NO LONGER IN USE.

F. EXISTING SERVICES INDICATED ON THESE DRAWINGS WERE DERIVED FROM EXISTING DRAWINGS AND LIMITED FIELD OBSERVATIONS. THESE DRAWINGS ARE NOT ALL INCLUSIVE OF SERVICES THAT EXIST IN THE PROJECT AREA. CONTRACTOR SHALL VERIFY SERVICE, LOCATION, TYPE, AND SIZES PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS IMPACTING WORK SHOWN ON THESE DOCUMENTS SHALL BE REPORTED TO THE DESIGNER FOR COORDINATION PRIOR TO DEMOLITION.

G. COORDINATE WITH MECHANICAL DRAWINGS FOR ELECTRICAL DEMOLITION REQUIREMENTS.

H. IF ANY EXISTING CIRCUITS ARE TO REMAIN FROM PANEL THAT IS IN THE DEMOLITION AREA, NOTIFY ENGINEER OF NUMBER OF CIRCUITS TO REMAIN, WHAT THE CIRCUITS SERVE AND CIRCUIT SIZE FOR DIRECTION PRIOR TO DEMOLITION OF PANEL.

GENERAL NOTES

A. WIRE COUNTS ARE NOT SHOWN ON CONDUIT SYMBOLS. REFER TO NOTES ON DRAWINGS AND TO SCHEDULES FOR WIRE COUNT, WIRE SIZES AND CONDUIT SIZES.

B. WHERE DISCONNECT SWITCHES ARE SHOWN FOR A PIECE OF EQUIPMENT SUBJECT TO VIBRATION, CONNECT THE EQUIPMENT TO THE DISCONNECT SWITCH USING SEAL TITE FLEXIBLE CONDUIT AND THE SAME SIZE WIRE AS REQUIRED FOR THE BRANCH CIRCUIT.

C. WHERE WIRE AND CONDUIT SIZES ARE SHOWN ON ONE PART OF A FEEDER OR BRANCH CIRCUIT, USE THE SAME WIRE AND CONDUIT SIZES FOR THE ENTIRE FEEDER OR BRANCH CIRCUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. CONTRACTOR SHALL PAY PARTICULAR ATTENTION DURING ROUGH-IN TO PLACEMENT OF BOXES FOR SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, ETC... TO SEE THAT BOXES ARE GANGED AND GROUPED TOGETHER AND CENTERED ON WALL SECTIONS OR BENEATH WINDOWS EXCEPT AS NOTED ON PLANS. CONTRACTOR SHALL SPAN BETWEEN FRAMING CHANNELS AS NECESSARY TO ACCOMPLISH POSITIONING OF DEVICES DESCRIBED ABOVE.

E. NOTES ON FLOOR PLANS APPLY ONLY TO THE SHEET ON WHICH THEY APPEAR.

F. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE DEVICES INCLUDING BUT NOT LIMITED TO SECURITY, TELEPHONE, LIGHTING, FIRE ALARM, MISC. POWER, ETC., LOCATED IN AREAS WHERE WALLS ARE POURED IN PLACE OR PRECAST, ARE FLUSH MOUNTED AND ASSOCIATED RACEWAYS ARE ROUTED CONCEALED. IN AREAS SUCH AS ELECTRICAL AND MECHANICAL ROOMS, SERVICE CORRIDORS, ETC., EXPOSED CONDUITS AND SURFACE MOUNTED BOXES MAY BE PERMITTED. IN AREAS WHERE NO CEILING IS SHOWN, CONDUITS SHALL TRANSITION TO CONCEALED IN WALL FOR SWITCH LEGS, RECEPTACLES, ETC.

G. CONTRACTOR SHALL INCLUDE ALLOWANCE FOR MINOR SHIFTS IN ELECTRICAL WIRING, CONDUITS AND JUNCTION BOXES TO ALLOW FOR THE INSTALLATION OF MECHANICAL SYSTEMS.

CODE AND STANDARDS

- NATIONAL ELECTRICAL CODE - NEC 2014 EDITION
- INTERNATIONAL ENERGY CONSERVATION CODE - IECC 2015 EDITION

LOAD ANALYSIS

THE WORK DESCRIBED IN THIS DOCUMENT IS MINOR BRANCH CIRCUIT ADDITIONS. THE ADDED LOAD DOES NOT EXCEED EXISTING PANEL OR FEEDER RATINGS.

Architectural Alliance Incorporated

2/25/2021

4 NORTH WEST COVID UNIT

Baptist Hospitals of Southeast Texas

3080 College Street
Beaumont, TX 77701

ISSUED FOR SCHEMATIC DESIGN

DESIGN DEVELOPMENT

BIDS & CONSTRUCTION

DATE: 02/26/2021

REVISION: DATE: MM-DD-YYYY

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DRAWINGS SHEET TITLE

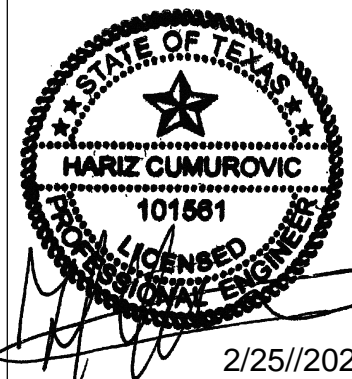
ELECTRICAL - LEGENDS, INDEX & NOTES

SHEET NUMBER

E001

20109

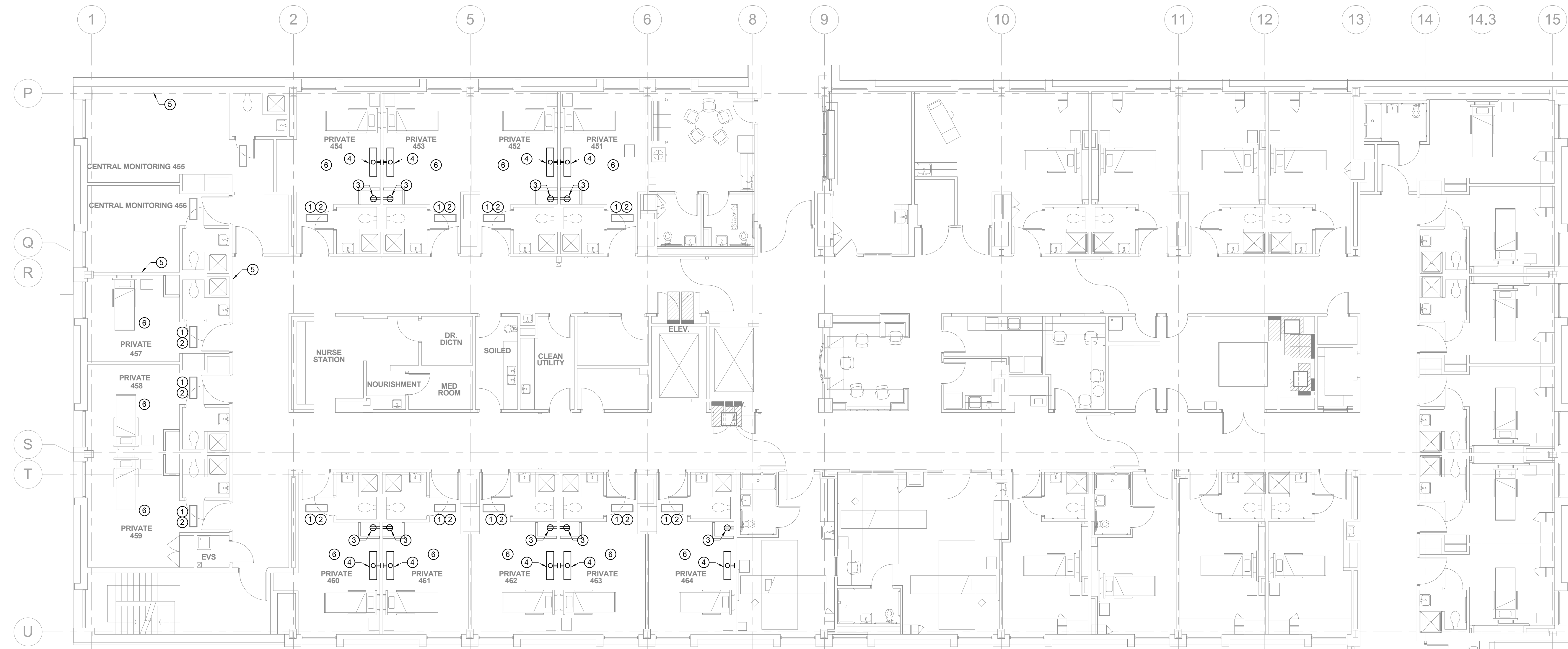
PROJECT NUMBER



4 NORTH WEST COVID UNIT
 Baptist Hospitals of Southeast Texas
 3080 College Street
 Beaumont, TX 77701

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DRAWINGS SHEET TITLE
ELECTRICAL - LEVEL 4 PLAN - DEMOLITION
 SHEET NUMBER
ED104
 20109
 PROJECT NUMBER



1 LEVEL 4 PLAN - ELECTRICAL DEMOLITION
 1/8" = 1'-0"

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊙	CONNECT TO EXISTING AT THIS POINT

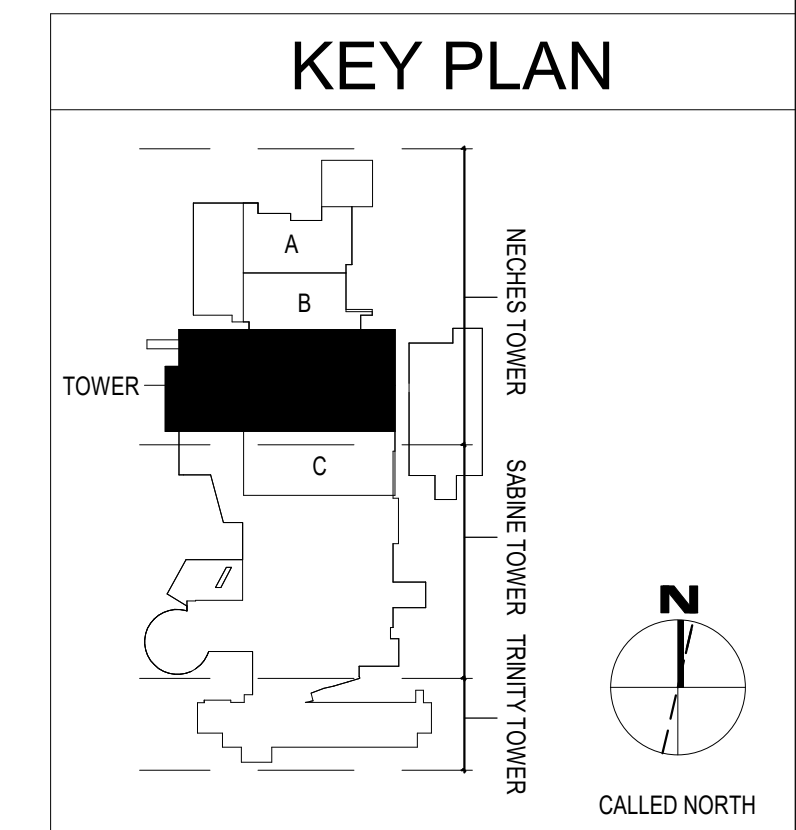
SHEET GENERAL NOTES

A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

B. CONTRACTOR SHALL INCLUDE ALLOWANCE FOR MINOR SHIFTS IN ELECTRICAL WIRING, CONDUITS AND JUNCTION BOXES TO ALLOW FOR THE INSTALLATION OF MECHANICAL SYSTEMS.

SHEET KEYED NOTES

- DISCONNECT AND DEMOLISH EXISTING FAN COIL UNIT (FCU) FAN CIRCUIT, CONDUIT, WIRING, FITTINGS, ETC BACK TO PANEL OF ORIGIN AND MARK BREAKER AS SPARE.
- DISCONNECT AND DEMOLISH EXISTING FAN COIL UNIT (FCU) HEATER CIRCUIT. REMOVE HEATER WIRING BACK TO PANEL OF ORIGIN. BREAKER SPACE SHALL BE REUSED FOR NEW VAV HEATER CIRCUIT. REFER TO PANELBOARD SCHEDULE FOR BREAKER REQUIREMENTS.
- REMOVE RECEPTACLE, WIRING, CONDUIT BACK TO NEAREST JUNCTION BOX OR NEXT RECEPTACLE WHICH WILL REMAIN IN SERVICE AND IT IS CONNECTED TO THE SAME CIRCUIT. RELOCATE RECEPTACLE TO LOCATION SHOWN ON NEW WORK PLAN.
- REMOVE OVERBED LIGHT AND INSTALL BLANK COVER PLATE OVER WALL BOX.
- REMOVE NURSE CALL AND DOME LIGHT IN CORRIDOR AND INSTALL BLANK COVER PLATE OVER WALL BOX.
- REMOVE EXISTING CEILING LIGHTING AND PROPERLY STORE TO REUSE IN RENOVATION PHASE. EXISTING WIRING TO REMAIN AND TO BE REUSED TO RECONNECT THE FIXTURE.



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SHEET GENERAL NOTES

A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

B. AFTER HOURS AND/OR NIGHT WORK MAY BE REQUIRED TO MAINTAIN NORMAL OPERATIONS DURING BUSINESS HOURS IN PUBLIC AND OFFICE AREAS. COORDINATE SCHEDULE WITH OWNER IN ADVANCE OF PERFORMING WORK.

C. PROVIDE PULL BOXES AS NEEDED OR REQUIRED BY NEC.

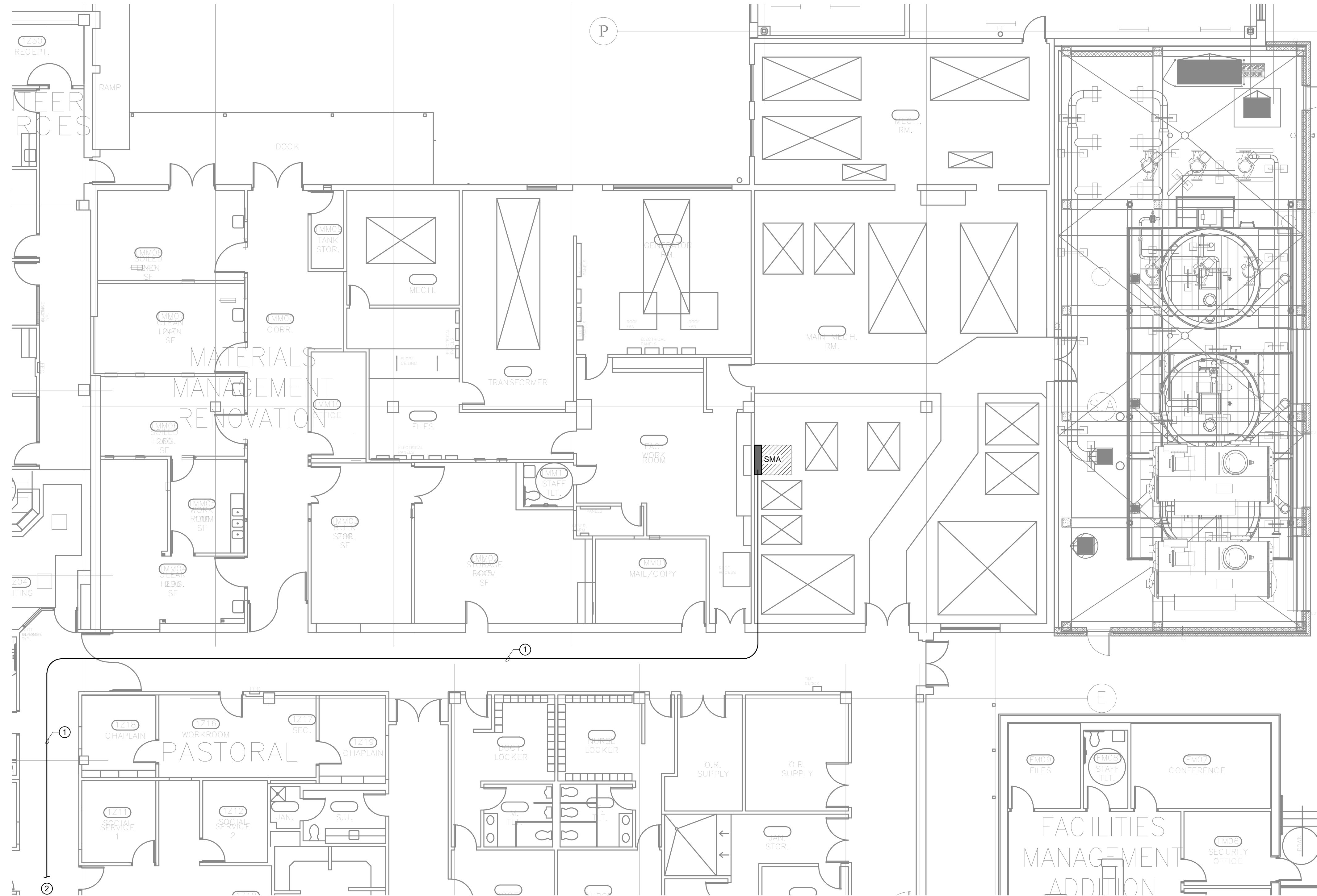
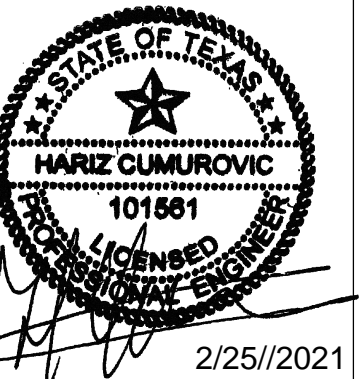
SHEET KEYED NOTES

① PANEL '1EH' FEEDER ROUTING. REFER TO SHEET E601 FOR SIZING INFORMATION. THIS ROUTE IS DETERMINED FROM LIMITED SITE INVESTIGATION. PRIOR TO BIDDING, FIELD VERIFY IF THERE ARE ANY OBSTRUCTIONS AND ADJUST ROUTING AS REQUIRED. ALTERNATE ROUTE IS ACCEPTABLE IF PREFERRED AND APPROVED BY THE OWNER.

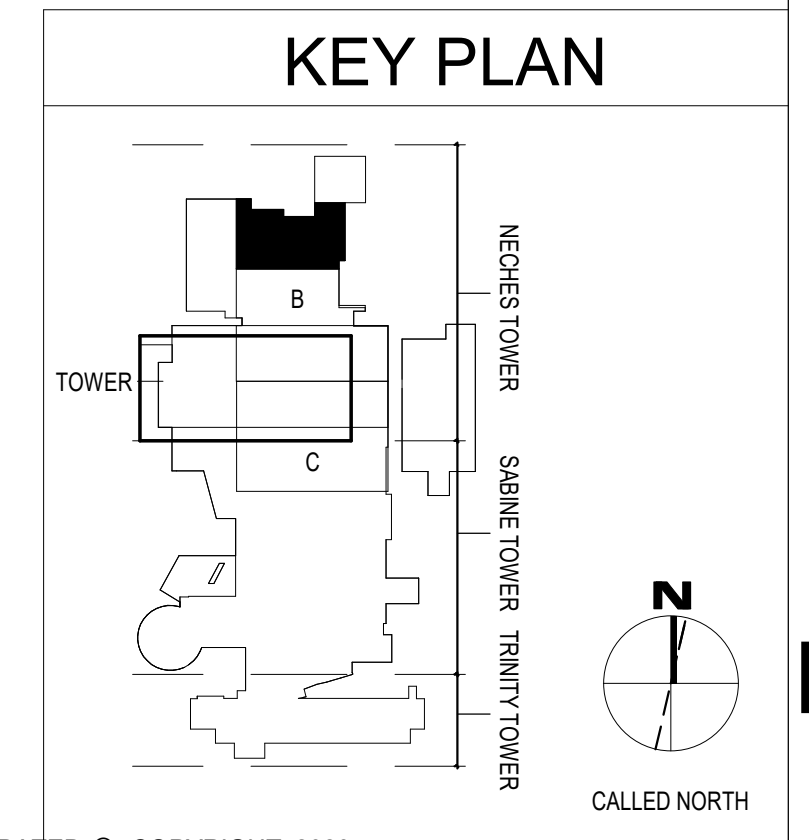
② REFER TO SHEET EP101B FOR CONTINUATION.

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1 LEVEL 1 PLAN - POWER AREA A
 1/8" = 1'-0"



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DRAWINGS SHEET TITLE
ELECTRICAL - LEVEL 1 AREA A PLAN - POWER
 SHEET NUMBER
EP101A
 20109
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A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

B. AFTER HOURS AND/OR NIGHT WORK MAY BE REQUIRED TO MAINTAIN NORMAL OPERATIONS DURING BUSINESS HOURS IN PUBLIC AND OFFICE AREAS. COORDINATE SCHEDULE WITH OWNER IN ADVANCE OF PERFORMING WORK.

C. PROVIDE PULL BOXES AS NEEDED OR REQUIRED BY NEC.

SHEET KEYED NOTES

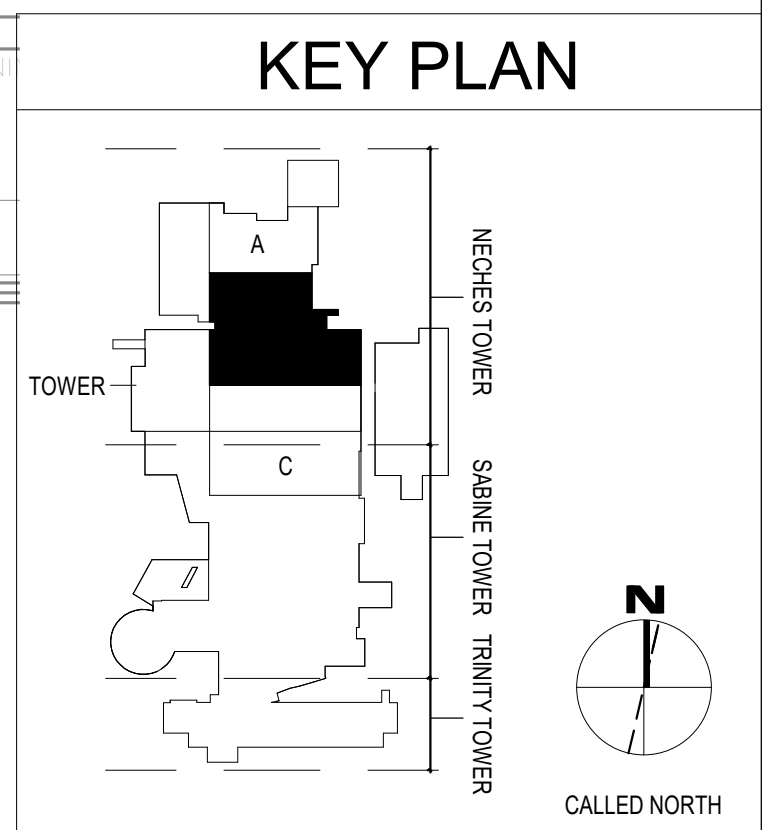
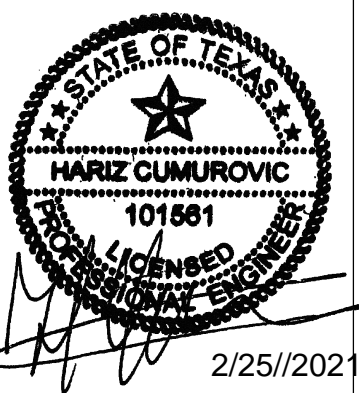
① PANEL '1EH' FEEDER ROUTING. REFER TO SHEET E601 FOR SIZING INFORMATION. THIS ROUTE IS DETERMINED FROM LIMITED SITE INVESTIGATION. PRIOR TO BIDDING, FIELD VERIFY IF THERE ARE ANY OBSTRUCTIONS AND ADJUST ROUTING AS REQUIRED. ALTERNATE ROUTE IS ACCEPTABLE IF PREFERRED AND APPROVED BY THE OWNER.

② ROUTE PANEL '4EH' FEEDER ROUTING FROM FIRST FLOOR UP TO FOURTH FLOOR. REFER TO SHEET EP102 FOR CONTINUATION.

③ REFER TO SHEET EP101A FOR CONTINUATION.

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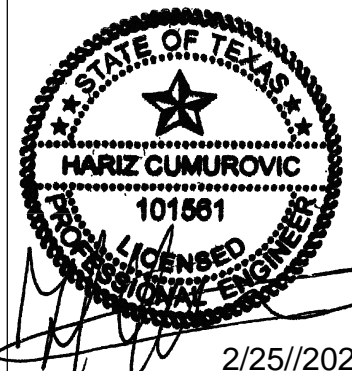


1 LEVEL 1 PLAN - POWER AREA B
 1/8" = 1'-0"

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 REVISION: 3/ C
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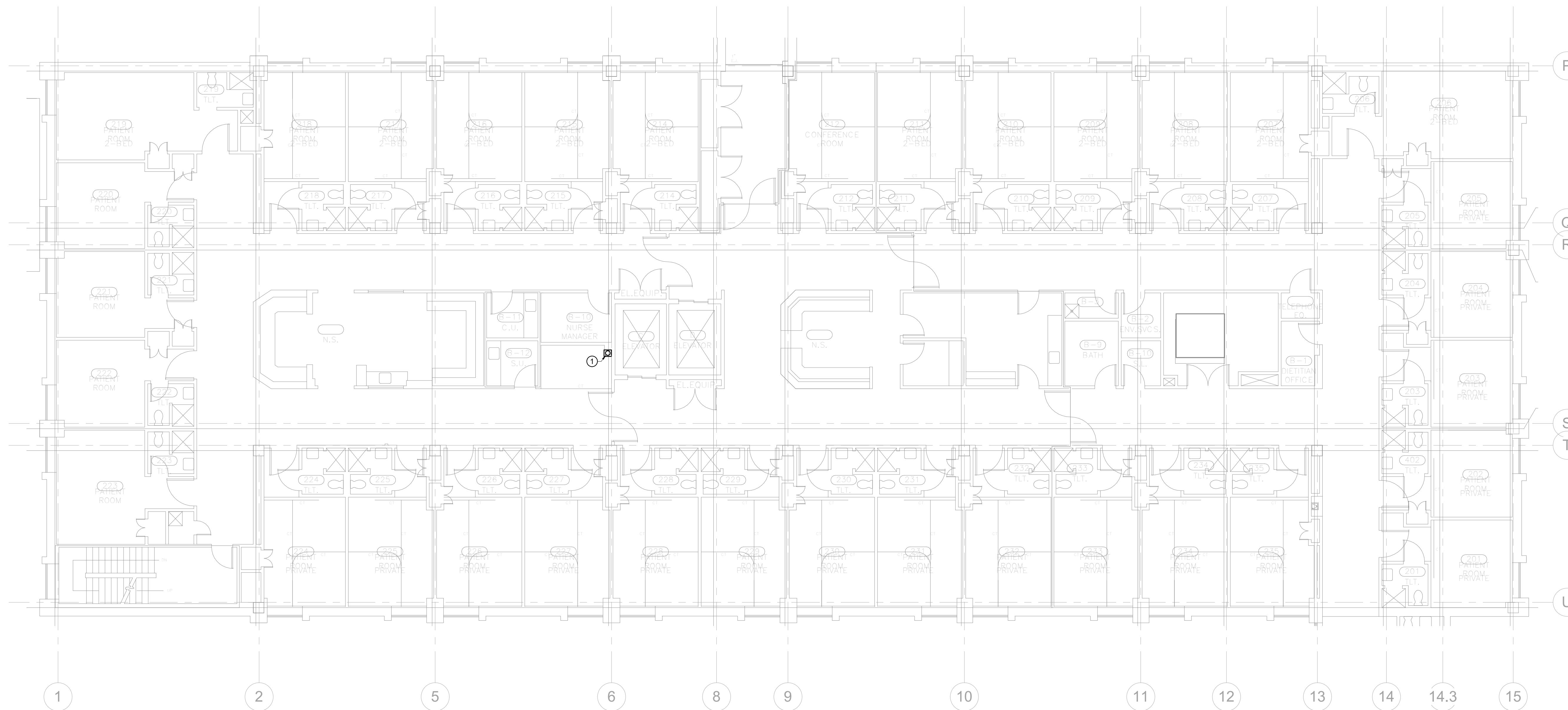
DRAWINGS SHEET TITLE
ELECTRICAL - LEVEL 1 AREA B PLAN - POWER
 SHEET NUMBER
EP101B
 20109
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DRAWINGS SHEET TITLE
ELECTRICAL - LEVEL 2 PLAN - POWER
SHEET NUMBER
EP102
20109
PROJECT NUMBER



1 LEVEL 2 PLAN - POWER
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RENOVATION LEGEND	
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SHEET GENERAL NOTES

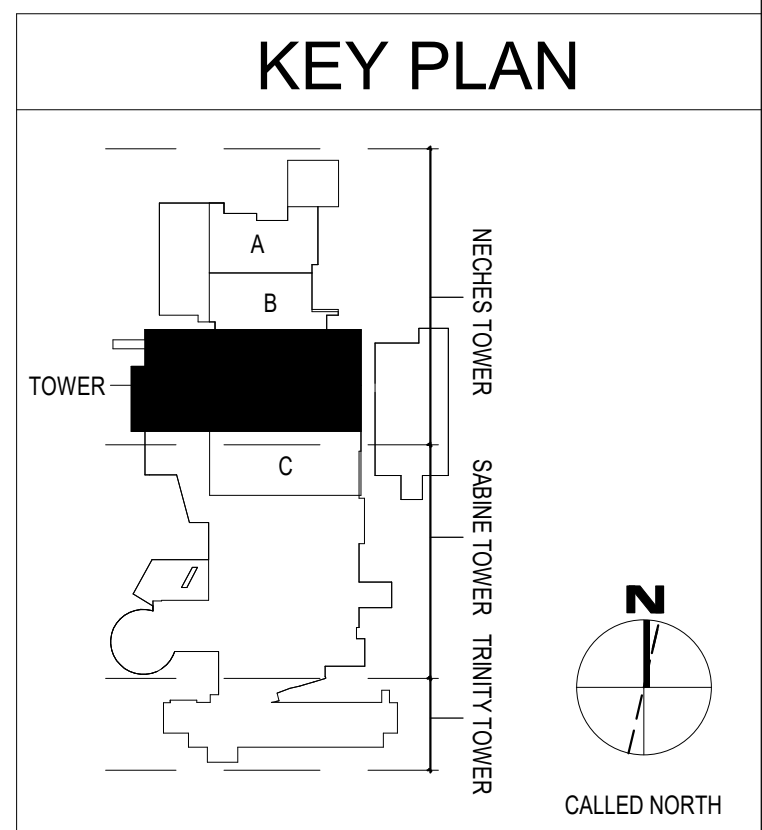
A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

B. AFTER HOURS AND/OR NIGHT WORK MAY BE REQUIRED TO MAINTAIN NORMAL OPERATIONS DURING BUSINESS HOURS IN PUBLIC AND OFFICE AREAS. COORDINATE SCHEDULE WITH OWNER IN ADVANCE OF PERFORMING WORK.

C. PROVIDE PULL BOXES AS NEEDED OR REQUIRED BY NEC.

SHEET KEYED NOTES

① PANEL '4EH' FEEDER ROUTING. CHASE TO BE INSTALLED AROUND CONDUIT AFTER INSTALLATION. REPAINT ROOM AFTER INSTALLATION. REFER TO E601 FOR SIZING INFORMATION. REFER TO SHEETS EP101B AND EP103 FOR CONTINUATION.

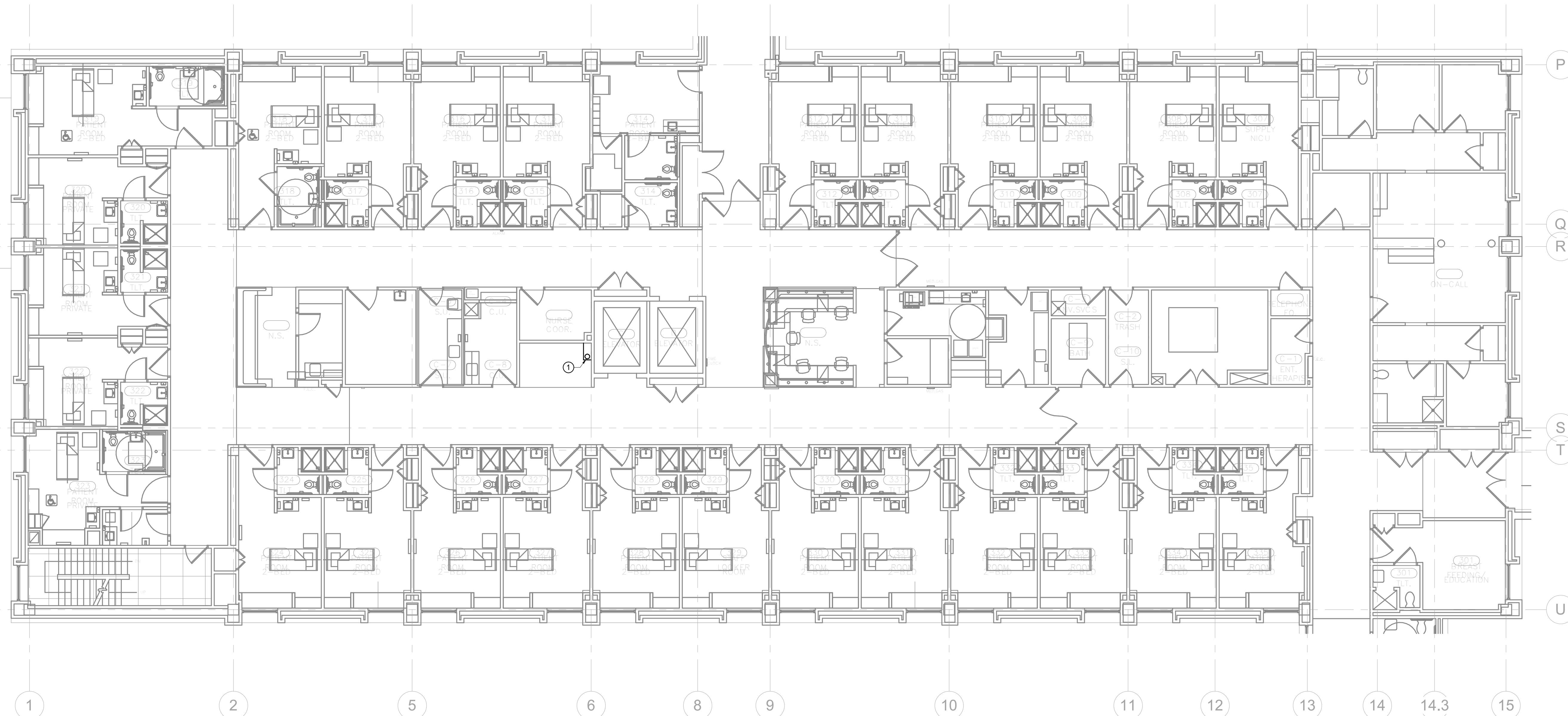




4 NORTH WEST COVID UNIT
 Baptist Hospitals of Southeast Texas
 3080 College Street
 Beaumont, TX 77701

ISSUED FOR SCHEMATIC DESIGN	<input type="checkbox"/>
DATE:	
DESIGN DEVELOPMENT	<input type="checkbox"/>
DATE:	
BIDS & CONSTRUCTION	<input checked="" type="checkbox"/>
DATE: 02/26/2021	
REVISION: 1	<input type="checkbox"/>
DATE: MM-DD-YYYY	
REVISION: 2	<input type="checkbox"/>
DATE: MM-DD-YYYY	
REVISION: 3	<input type="checkbox"/>
DATE: MM-DD-YYYY	

DRAWINGS SHEET TITLE	ELECTRICAL - LEVEL 3 PLAN - POWER
SHEET NUMBER	EP103
PROJECT NUMBER	20109



1 LEVEL 3 PLAN - POWER
 1/8" = 1'-0"

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊕	CONNECT TO EXISTING AT THIS POINT

SHEET GENERAL NOTES

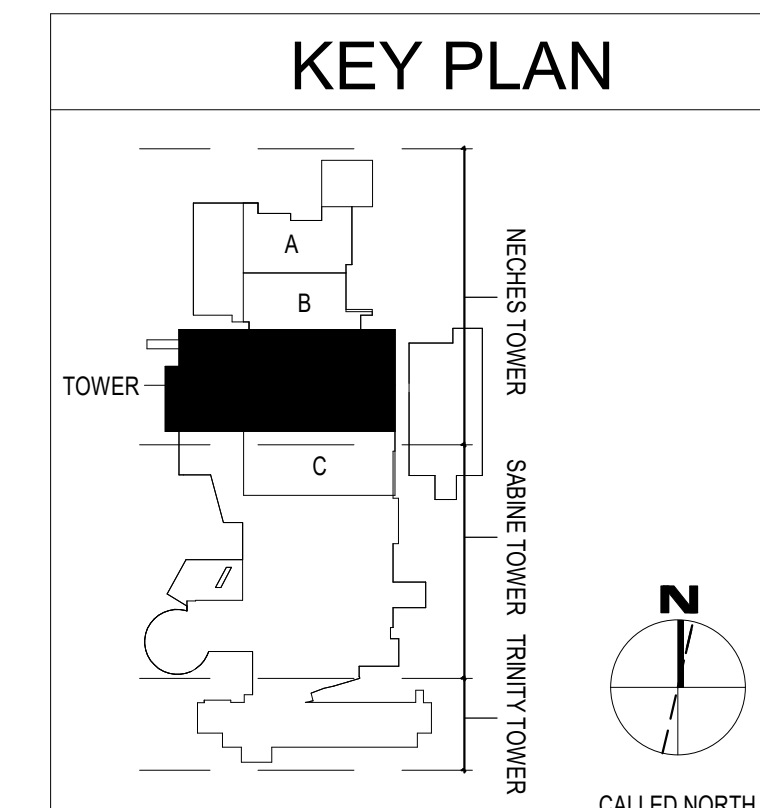
A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

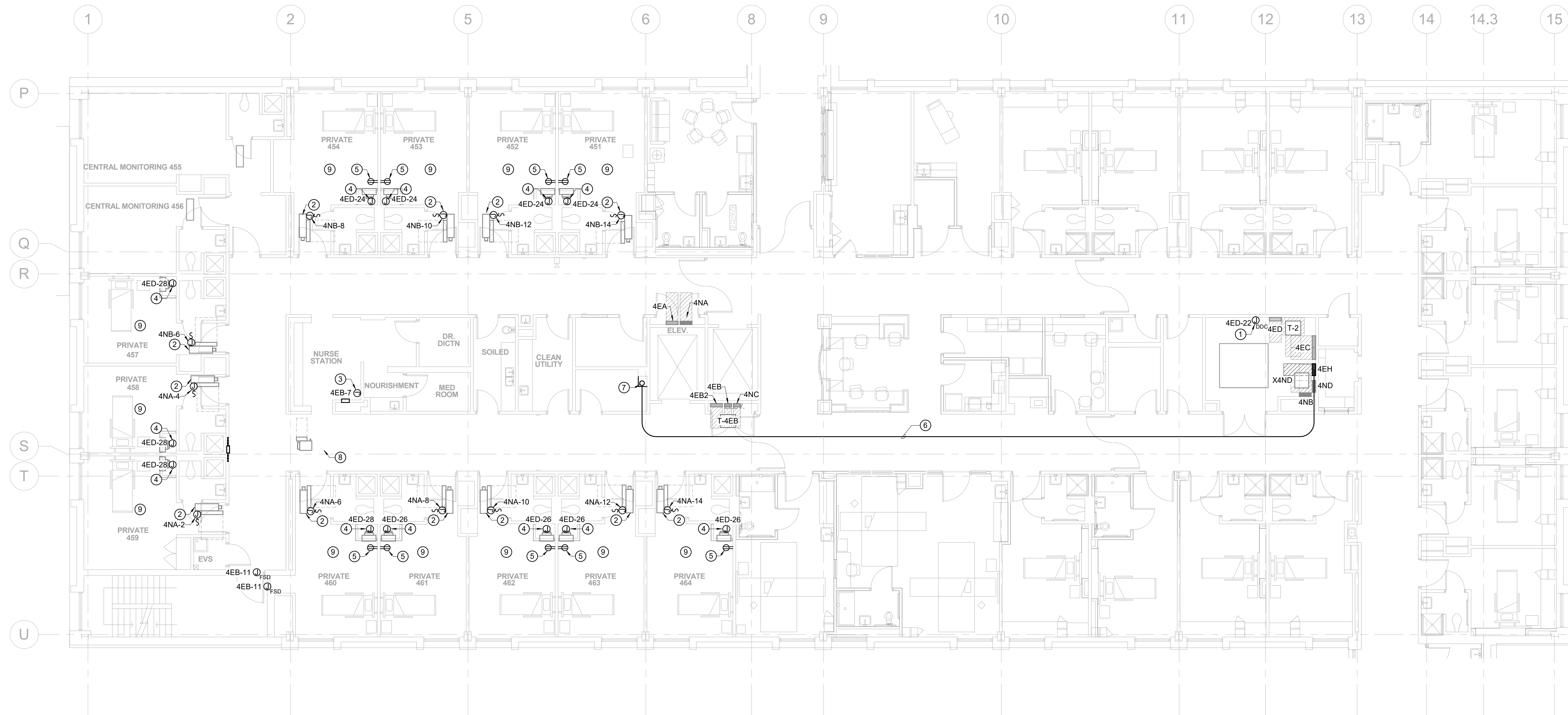
B. AFTER HOURS AND/OR NIGHT WORK MAY BE REQUIRED TO MAINTAIN NORMAL OPERATIONS DURING BUSINESS HOURS IN PUBLIC AND OFFICE AREAS. COORDINATE SCHEDULE WITH OWNER IN ADVANCE OF PERFORMING WORK.

C. PROVIDE PULL BOXES AS NEEDED OR REQUIRED BY NEC.

SHEET KEYED NOTES

1 PANEL 4EH FEEDER ROUTING. CHASE TO BE INSTALLED AROUND CONDUIT AFTER INSTALLATION. REPAINT ROOM AFTER INSTALLATION. REFER TO E601 FOR SIZING INFORMATION. REFER TO SHEETS EP102 AND EP104 FOR CONTINUATION.





1 LEVEL 4 PLAN - POWER
1/8" = 1'-0"

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊕	CONNECT TO EXISTING AT THIS POINT

SHEET GENERAL NOTES

A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

B. AFTER HOURS AND/OR NIGHT WORK MAY BE REQUIRED TO MAINTAIN NORMAL OPERATIONS DURING BUSINESS HOURS IN PUBLIC AND OFFICE AREAS. COORDINATE SCHEDULE WITH OWNER IN ADVANCE OF PERFORMING WORK.

C. PROVIDE PULL BOXES AS NEEDED OR REQUIRED BY NEC.

D. CONTRACTOR SHALL INCLUDE ALLOWANCE FOR MINOR SHIFTS IN ELECTRICAL WIRING, CONDUITS AND JUNCTION BOXES TO ALLOW FOR THE INSTALLATION OF MECHANICAL SYSTEMS.

SHEET KEYED NOTES

① DDC CONTROL PANEL HARDWARE POWER JUNCTION BOX.

② ATU LOCATED ABOVE CEILING. PROVIDE 24V CONTROL CIRCUIT FROM NEW DDC PANEL. PROVIDE 277V CKT. 20A TOGGLE SWITCH DISCONNECT TO ELECTRIC HEATER.

③ MED GAS ALARM PANEL. PROVIDE 120V LIFE SAFETY CIRCUIT.

④ FAN FILTER HVAC EQUIPMENT JUNCTION BOX. PROVIDE 120V HARDWIRE CIRCUIT THROUGH UNIT MOUNTED DISCONNECT SWITCH.

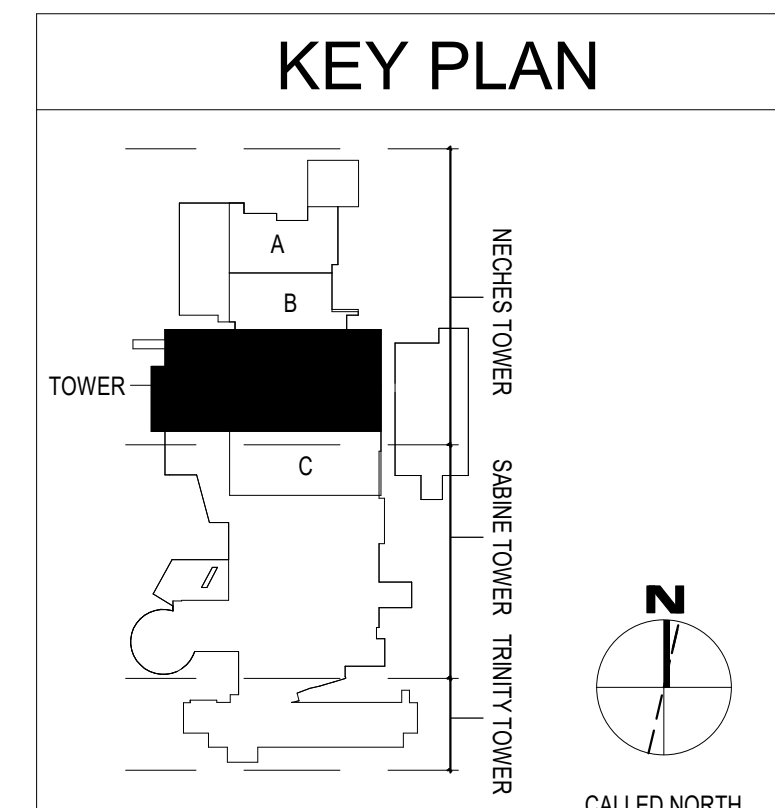
⑤ RELOCATE RECEPTACLE REMOVED DURING DEMOLITION. EXTEND CONDUIT AND WIRING TO NEW LOCATION.

⑥ PANEL 4EH FEEDER ROUTING. REFER TO E601 FOR SIZING INFORMATION. REFER TO EP103 FOR CONTINUATION.

⑦ PANEL 4EB FEEDER ROUTING. CHASE TO BE INSTALLED AROUND CONDUIT AFTER INSTALLATION. REPAINT ROOM AFTER INSTALLATION. REFER TO E601 FOR SIZING INFORMATION.

⑧ ATU LOCATED ABOVE CEILING. PROVIDE 24V CONTROL CIRCUIT FROM NEW DDC PANEL.

⑨ AFTER INSTALLATION OF THE NEW CEILING IS COMPLETED REINSTALL FIXTURE SALVAGED IN DEMOLITION PHASE TO SAME LOCATION WHERE THE FIXTURE WAS REMOVED FROM. REUSE EXISTING CIRCUITS SALVAGED IN DEMOLITION PHASE. THE FIXTURE SHALL BE COVERED BY FIRE RATED BOX. INSTALLED BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.



4 NORTH WEST COVID UNIT
Baptist Hospitals of Southeast Texas
3080 College Street
Beaumont, TX 77701

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BIDS & CONSTRUCTION
DATE: 02/26/2021

REVISION:
DATE: MM-DD-YYYY

REVISION:
DATE: MM-DD-YYYY

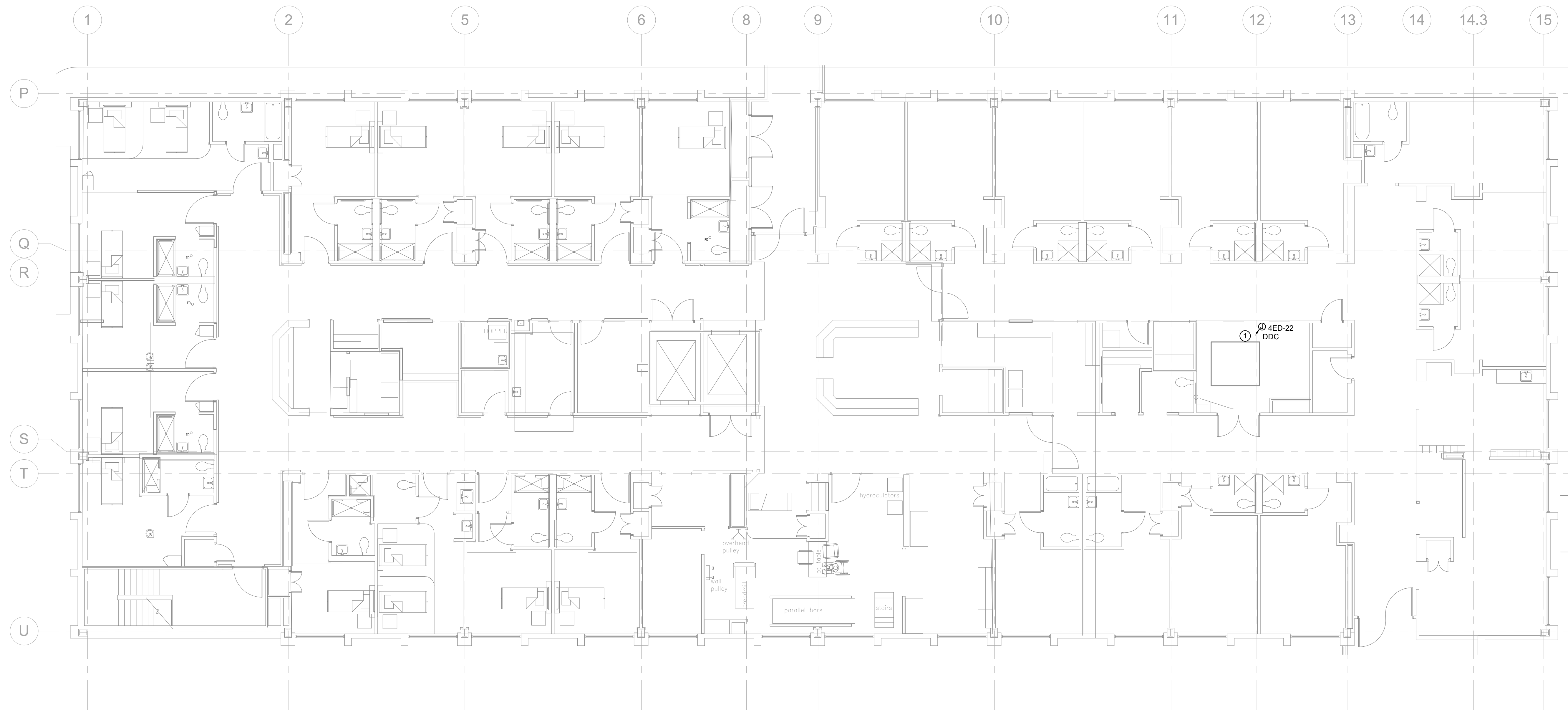
REVISION:
DATE: MM-DD-YYYY

DRAWINGS SHEET TITLE

ELECTRICAL - LEVEL 4 PLAN - POWER

SHEET NUMBER
EP104

20109
PROJECT NUMBER

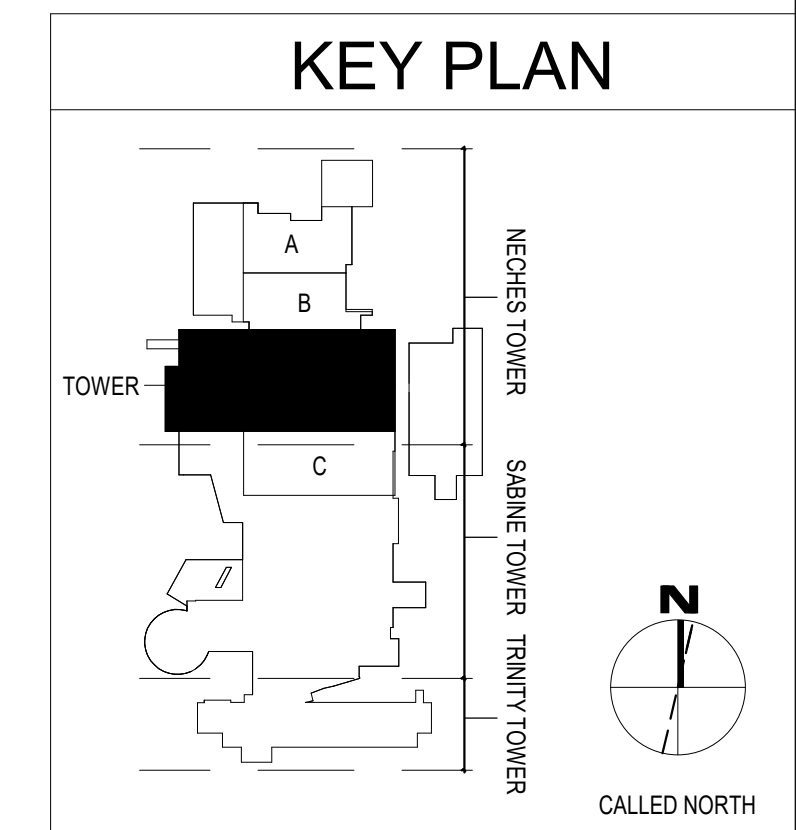


1 LEVEL 5 PLAN - POWER
1/8" = 1'-0"

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊙	CONNECT TO EXISTING AT THIS POINT

SHEET GENERAL NOTES
A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

SHEET KEYED NOTES
① DDC CONTROL PANEL HARDWIRE POWER JUNCTION BOX.



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Baptist Hospitals of Southeast Texas
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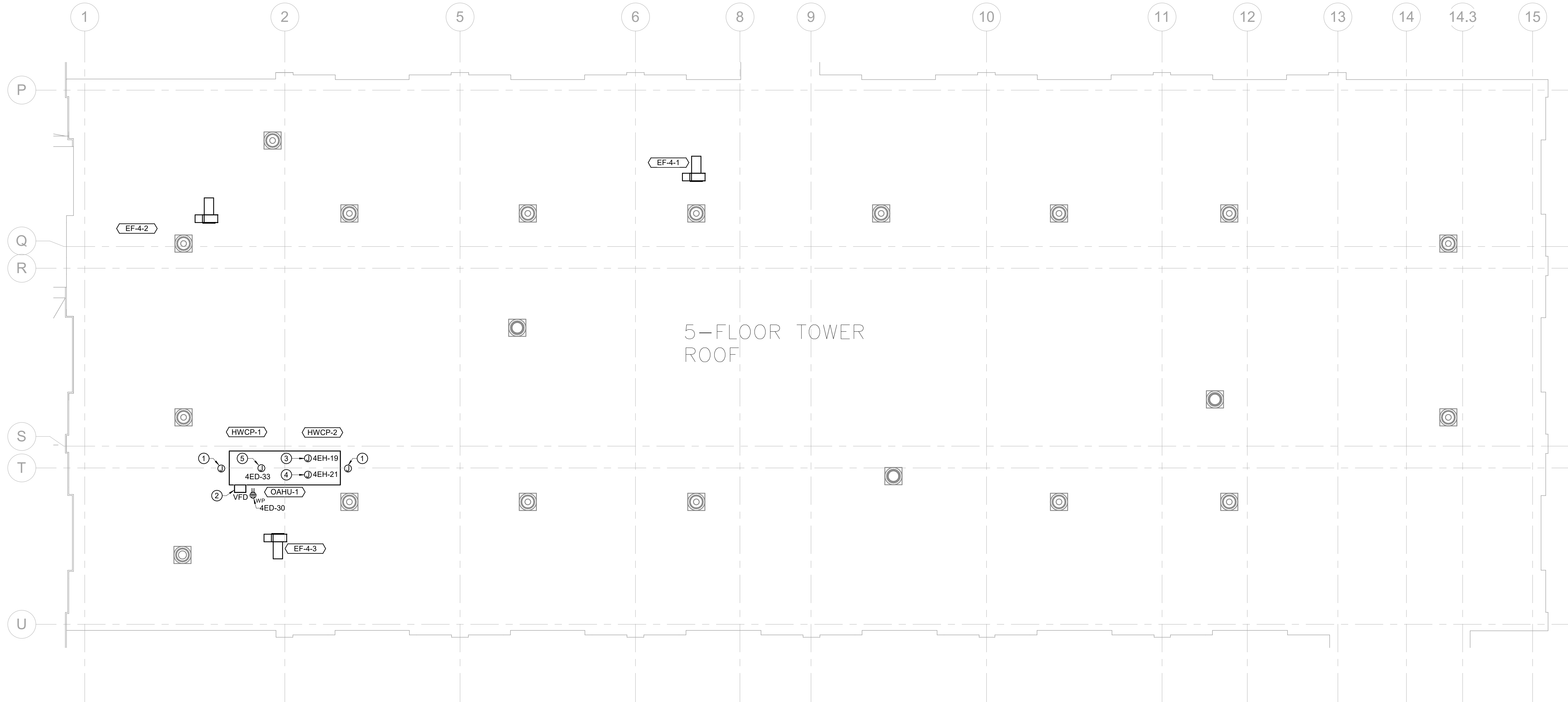
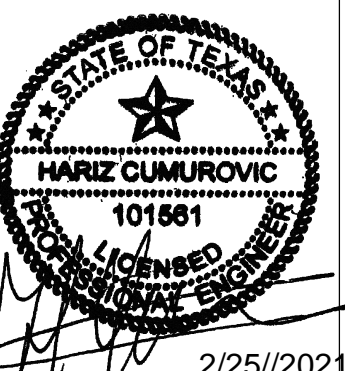
DRAWINGS SHEET TITLE
ELECTRICAL - LEVEL 5 PLAN - POWER
SHEET NUMBER
EP105
20109
PROJECT NUMBER

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

GENERAL NOTES:										REMARKS:										ABBREVIATIONS:									
NONE.										NONE.										FDS = FUSED DISCONNECT SWITCH NFDS = NON-FUSED DISCONNECT SWITCH CMSD = COMBINATION MOTOR STARTER/DISCONNECT SWITCH MMS = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD VFD = VARIABLE FREQUENCY DRIVE INT = INTEGRAL DISCONNECT CP = CONTROL PANEL TG = MOTOR-RATED TOGGLE SWITCH									
TAG	DESCRIPTION	LEVEL	VOLTAGE	PHASE	HP	KVA	FLA	PANEL	CKT.	DISC. TYPE	DISCONNECT AMP RATING / FUSE SIZE	WIRE SIZE	CONDUIT SIZE	REMARKS															
EF-4-1	EXHAUST FAN	ROOF	120 V	1	1	1.9	16 A	4ED	23	CMSD/INT	--	2#12,1#12G	3/4"	--															
EF-4-2	EXHAUST FAN	ROOF	120 V	1	3/4	1.7	13.8 A	4ED	25	CMSD/INT	--	2#12,1#12G	3/4"	--															
EF-4-3	EXHAUST FAN	ROOF	120 V	1	1	1.9	16 A	4ED	27	CMSD/INT	--	2#12,1#12G	3/4"	--															
HWCP-1	RECIRCULATION PUMP	ROOF	120 V	1	1	1.9	16 A	4ED	29	NFDS	30A / NF	2#12,1#12G	3/4"	--															
HWCP-2	RECIRCULATION PUMP	ROOF	120 V	1	3/5	1.7	13.8 A	4ED	31	NFDS	30A / NF	2#12,1#12G	3/4"	--															
OAHU-1	OUTSIDE AIR HANDLER UNIT	ROOF	480 V	3	(2) 5.5	15.0	18 A	4EH	1,3,5	INT/VFD	-	3#10,1#10G	3/4"	--															

SSR Smith Seckman Reid, Inc.
 3700 West Sam Houston Parkway South, Suite 200
 Houston, TX 77042
 (713) 784-8211
 FAX: (713) 952-8655
 www.ssr-inc.com
 TEXAS FIRM REGISTRATION #: F-2874
 SSR Project #: 20230850

Architectural Alliance Incorporated
 300 Prairie View, Suite 720
 6500 Plaza
 Beaumont, Texas 77701
 TEL: (409) 892-7106
 FAX: (409) 892-7165
 J. RIBB DUKAK, A.I.A.
 ARCHITECT
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 www.architectural.com



1 ROOF PLAN - POWER
 1/8" = 1'-0"

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
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—	NEW CONSTRUCTION
⊙	CONNECT TO EXISTING AT THIS POINT

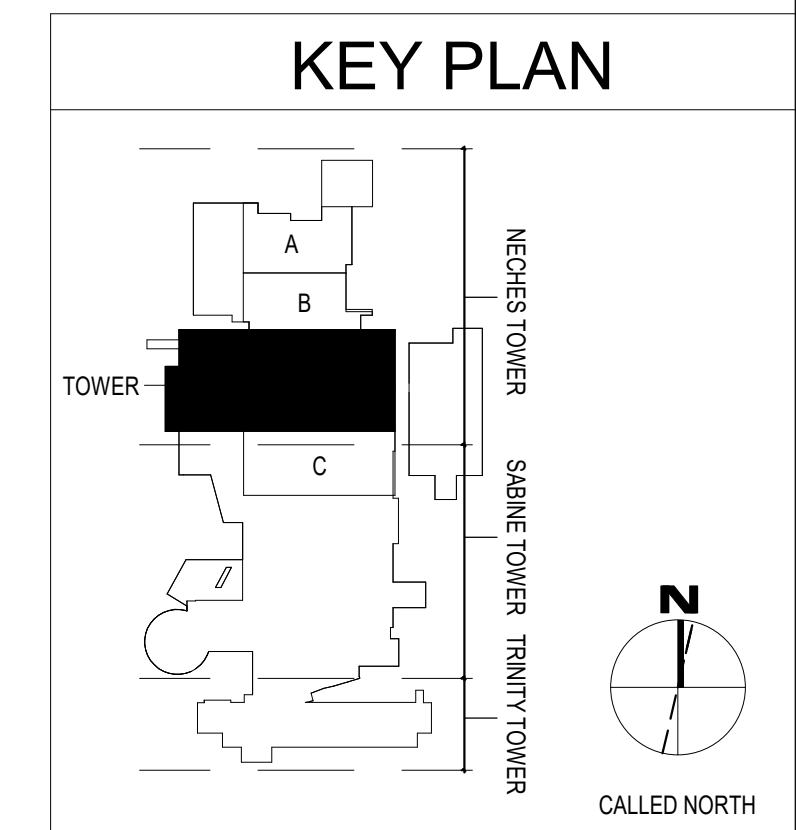
SHEET GENERAL NOTES

A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

B. PROVIDE COMPLETE LIGHTING PROTECTION SYSTEM (LPS) FOR NEW MECHANICAL EQUIPMENT ON THE ROOF. CONNECT TO EXISTING LIGHTNING PROTECTION SYSTEM ON THE ROOF. MATCH EXISTING LPS EQUIPMENT IN MATERIAL TYPE AND CONSTRUCTION. REFER TO DETAILS ON SHEET E502 AS GENERAL GUIDANCE FOR EQUIPMENT. CHECK FOR EXISTING UL MASTER LABEL. MAINTAIN UL MASTER LABEL IF THERE IS VALID UL MASTER LABEL ON EXISTING LIGHTNING PROTECTION SYSTEM. IF UL MASTER LABEL IS NOT ACTIVE, NOTIFY OWNER THAT MASTER LABEL IS NOT VALID AND WHY. REPAIR OF EXISTING SYSTEM IS NOT IN SCOPE OF THIS WORK. APPLIES TO ALL NEW EQUIPMENT INSTALLED ON THE ROOF.

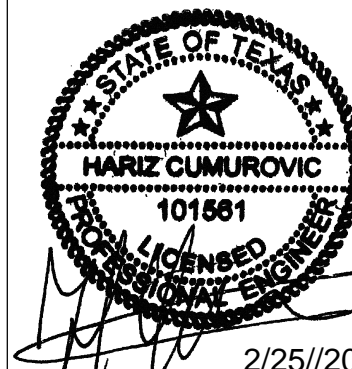
SHEET KEYED NOTES

- ① DUCT SMOKE DETECTOR JUNCTION BOX. INTERFACE SIGNAL WIRING WITH NEAREST FIRE ALARM PANEL IN 5TH FLOOR ELECTRICAL ROOM.
- ② PROVIDE POWER FEED CONNECTION TO VFD DISCONNECT PROVIDED AS INTEGRAL TO AIR HANDLER.
- ③ HOT WATER SUPPLY HEAT TRACING CIRCUIT. 277V. PROVIDE FEED TO CONTROL MODULE INSIDE AIR HANDLER ENCLOSURE.
- ④ COLD WATER SUPPLY HEAT TRACING CIRCUIT. 277V. PROVIDE FEED TO CONTROL MODULE INSIDE AIR HANDLER ENCLOSURE.
- ⑤ ULTRAVIOLET LIGHT POWER CIRCUIT. 120V. PROVIDE FEED TO CONTROL MODULE INSIDE AIR HANDLER ENCLOSURE.



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 DESIGN DEVELOPMENT
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 DATE: 02/26/2021
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 DATE: MM-DD-YYYY
 REVISION: ²
 DATE: MM-DD-YYYY
 REVISION: ³
 DATE: MM-DD-YYYY

DRAWINGS SHEET TITLE
ELECTRICAL - OVERALL ROOF PLAN - POWER
 SHEET NUMBER
EP106
 20109
 PROJECT NUMBER



2/25/2021

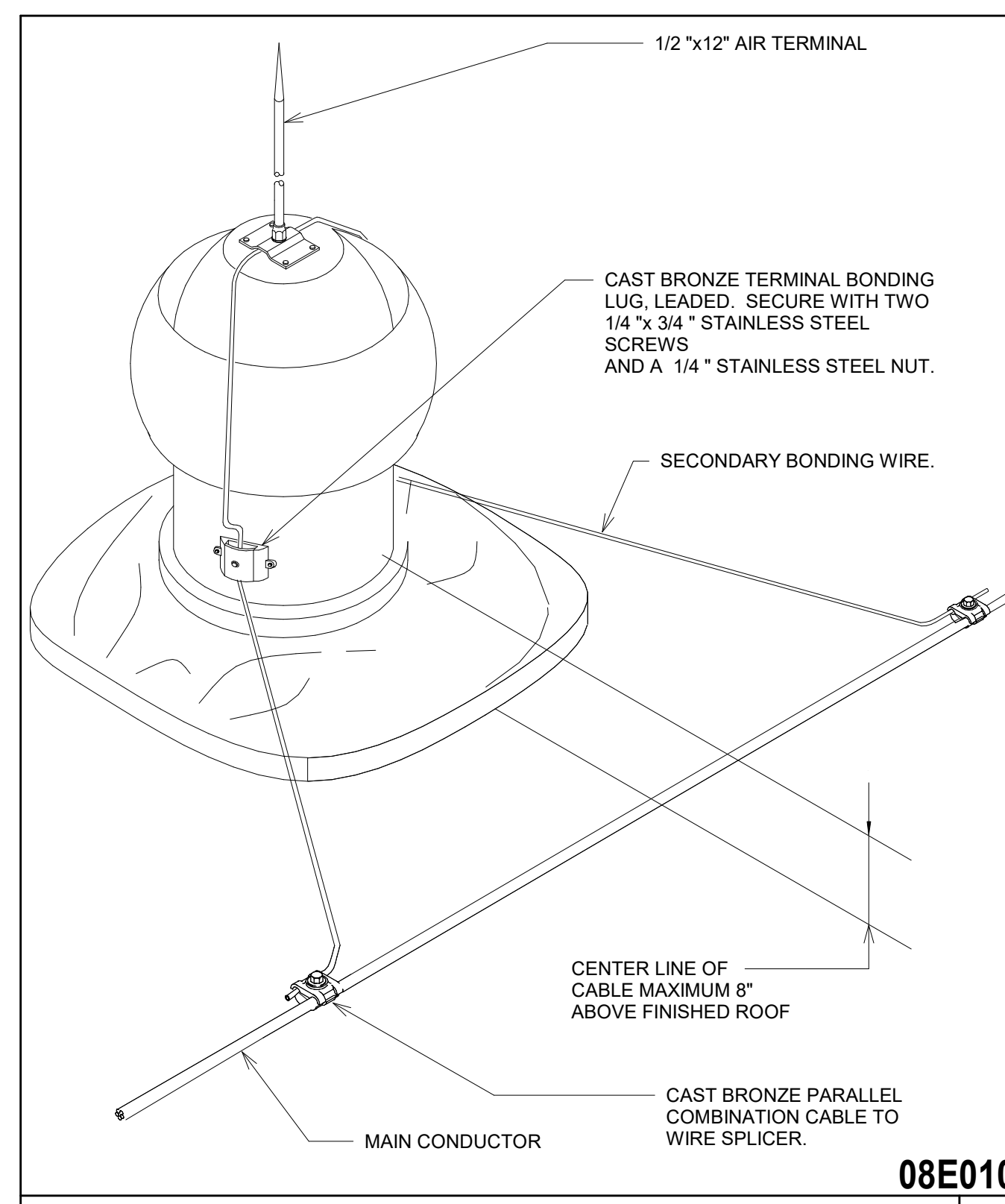
4 NORTH WEST COVID UNIT
 Baptist Hospitals of Southeast Texas
 3080 College Street
 Beaumont, TX 77701

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DATE:	
DESIGN DEVELOPMENT	<input type="checkbox"/>
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BIDS & CONSTRUCTION	<input checked="" type="checkbox"/>
DATE: 02/26/2021	
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REVISION: 3	DATE: MM-DD-YYYY

DRAWINGS SHEET TITLE

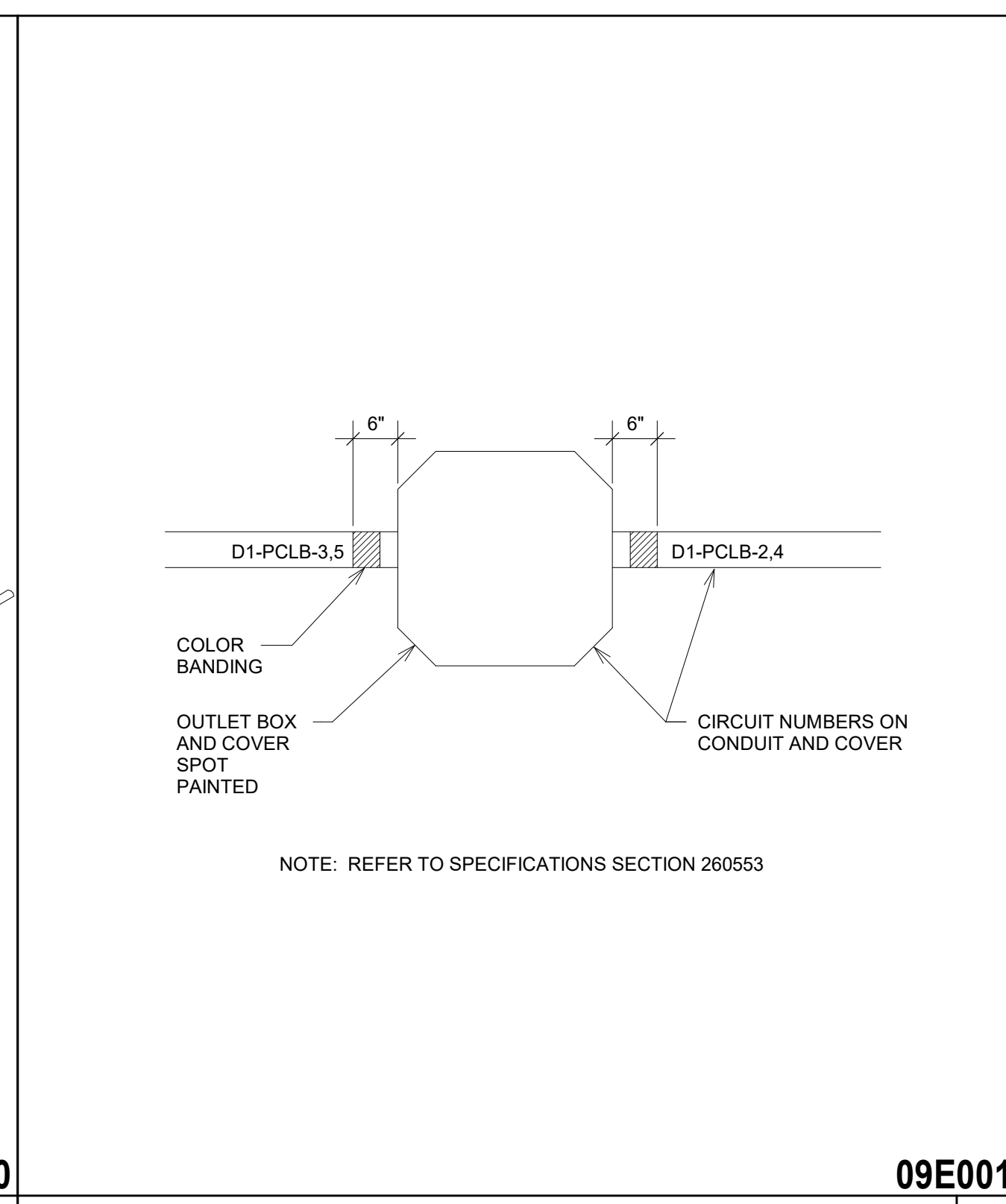
ELECTRICAL - DETAILS

SHEET NUMBER
E501
 20109
 PROJECT NUMBER



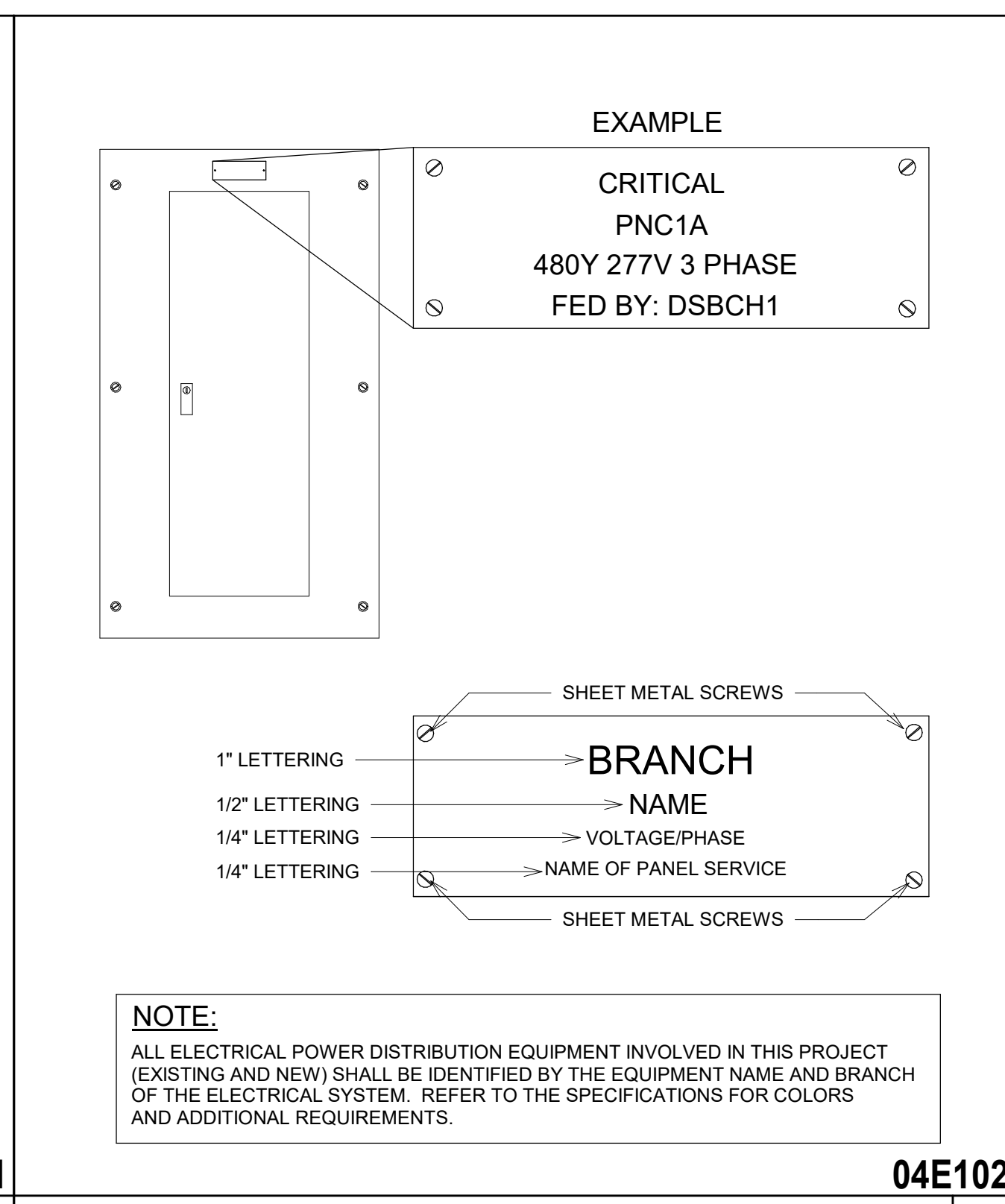
08E010

TYPICAL EXHAUST FAN BOND CONNECTION 06



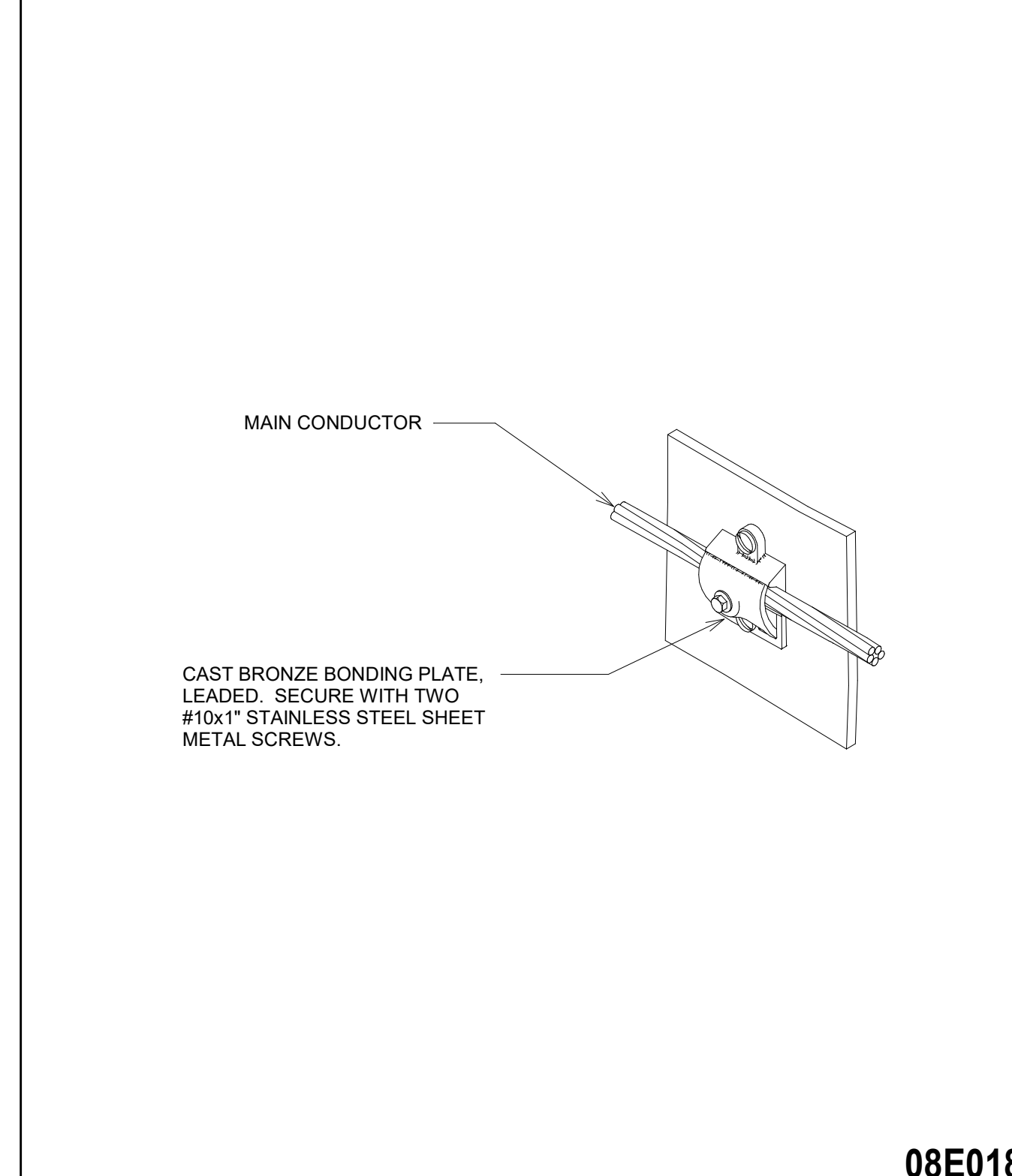
09E001

OUTLET/PULL/J-BOX DETAIL 05



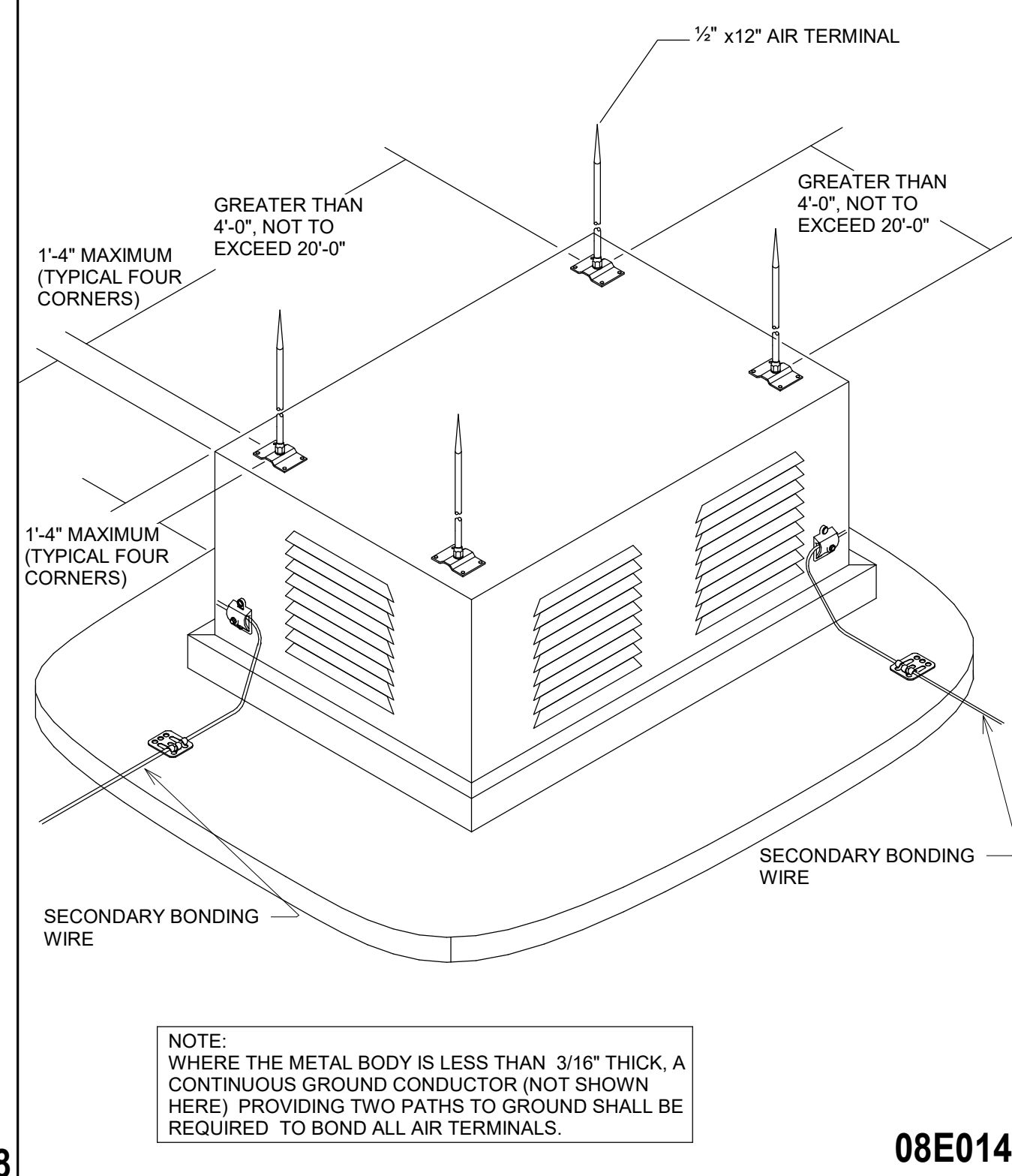
04E102

ELECTRICAL IDENTIFICATION DETAIL 04



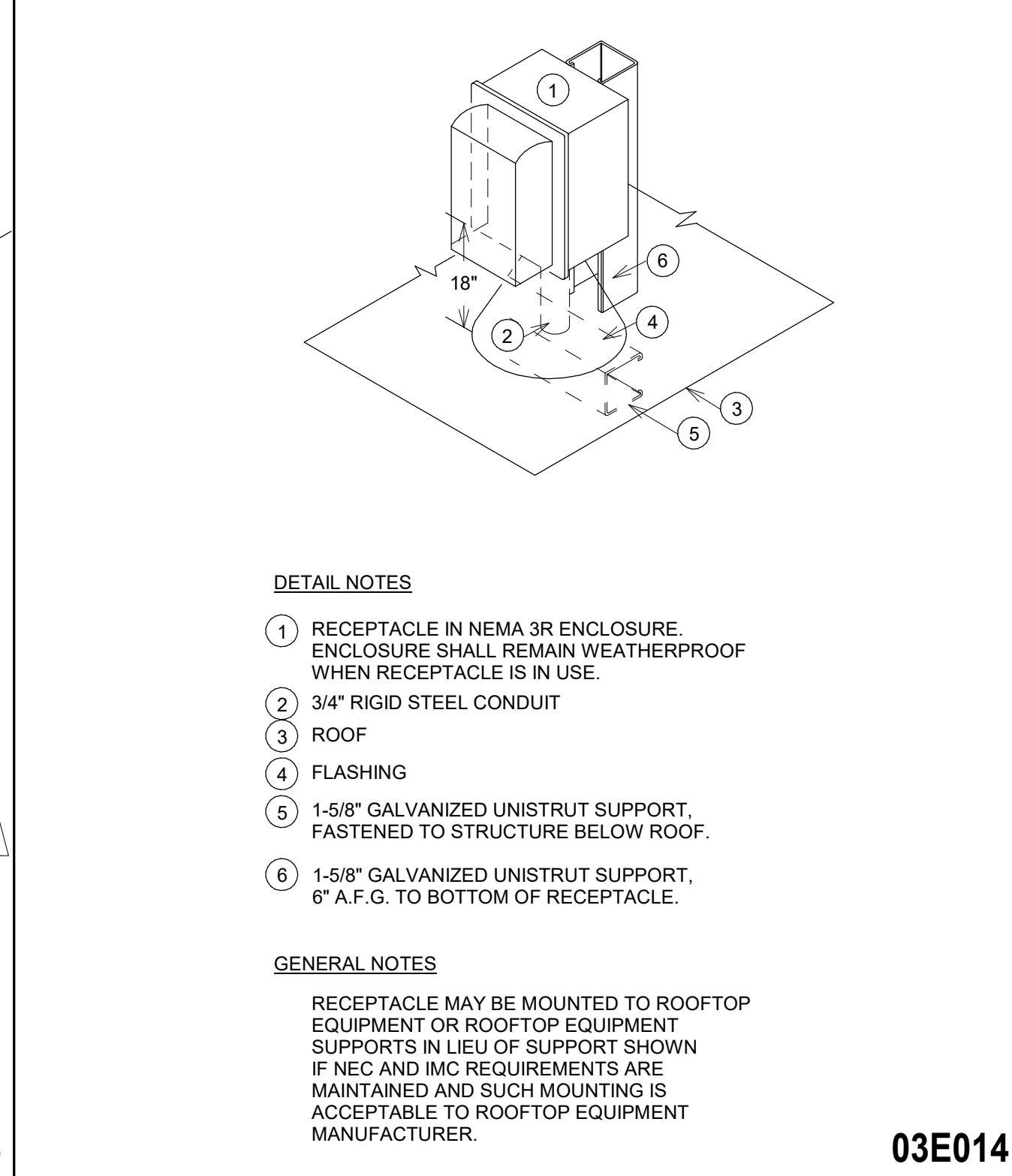
08E018

TYPICAL ROOF EQUIPMENT BOND CONNECTION DETAIL 03



08E014

TYPICAL ROOF EQUIPMENT LIGHTNING PROTECTION DETAIL 02



03E014

ROOF MOUNTED RECEPTACLE DETAIL 01

SHEET KEYED NOTES

- ① PANEL 4ED SERVES EQUIPMENT BRANCH LOADS BUT IT IS FED FROM CRITICAL BRANCH PANEL ICC. TO RESOLVE THIS CODE VIOLATION RELOCATE PANEL TO EQUIPMENT BRANCH. DISCONNECT FEEDER TO T-2 TRANSFORMER AND REFEED FROM NEW EQUIPMENT BRANCH PANEL 4EH.
- ② LOCK DISCONNECT IN OPEN POSITION. LABEL DISCONNECT "70A SPARE CRITICAL POWER FOR FUTURE" AFTER DISCONNECTION.
- ③ REMOVE CONDUIT AND CONDUCTORS BETWEEN DISCONNECT AND TRANSFORMER T-1. CAP OPENING OF DISCONNECT.

SHEET GENERAL NOTES

A. REFER TO ELECTRICAL GENERAL NOTES ON E001.

RENOVATION LEGEND

SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊕	CONNECT TO EXISTING AT THIS POINT

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 (713) 784-8211
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 www.ssr-inc.com
 TEXAS FIRM REGISTRATION #: F-2874
 SSR Project #: 20230850

AAI Architectural Alliance Incorporated
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 Houston, Texas 77010
 TEL: (281) 862-7100
 FAX: (281) 862-7105
 J. RICH CLARK, A.I.A.
 PROJECT DIRECTOR
 A.I.A.
 www.aaiarchitect.com

600 VOLT FEEDER SCHEDULE COPPER ONLY

NOTES:

1. "AMPS" COLUMN INDICATES OVERCURRENT PROTECTION DEVICE AHEAD OF FEEDER.
2. SUBSCRIPT "G" DENOTES A FEEDER WITHOUT A GROUND.
3. SUBSCRIPT "N" DENOTES A FEEDER WITHOUT A NEUTRAL.
4. SUBSCRIPT "O" DENOTES A FEEDER WITH OVERSIZED CONDUIT.
5. SUBSCRIPT "R" DENOTES A RADIOLOGY FEEDER. PROVIDE EQUIPMENT GROUNDING CONDUCTOR SAME SIZE AS PHASE CONDUCTOR AND OVERSIZED CONDUIT INDICATED IN SCHEDULE.
6. SUBSCRIPT "S" INDICATES SPARE CONDUIT, SIZE AND QUANTITY EQUAL TO "AMPS" INDICATED, LESS CABLE. SUBSCRIPTS APPLY AS NOTED.
7. SUBSCRIPT "T" DENOTES AN OVERSIZED FEEDER DUE TO HIGH TEMPERATURE. INCREASE EQUIPMENT GROUNDING CONDUCTOR SIZE PER REQUIREMENTS OF 250.122(B).
8. SUBSCRIPT "V" DENOTES AN OVERSIZED FEEDER DUE TO VOLTAGE DROP. INCREASE EQUIPMENT GROUNDING CONDUCTOR SIZE PER REQUIREMENTS OF 250.122(B).
9. REFER TO SPECIFICATIONS FOR CONDUCTOR MATERIAL.

AMPS	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	OVERSIZED
70	1	3#4	---	1#8	1-1/4"	1-1/2"
400	1	3-500 KCMIL	1-500 KCMIL	1#3	3-1/2"	4"

LOAD ANALYSIS - 1NG - 1200A
 BEAUMONT BAPTIST HOSPITAL
 HOUSTON, TX
 2/25/2021

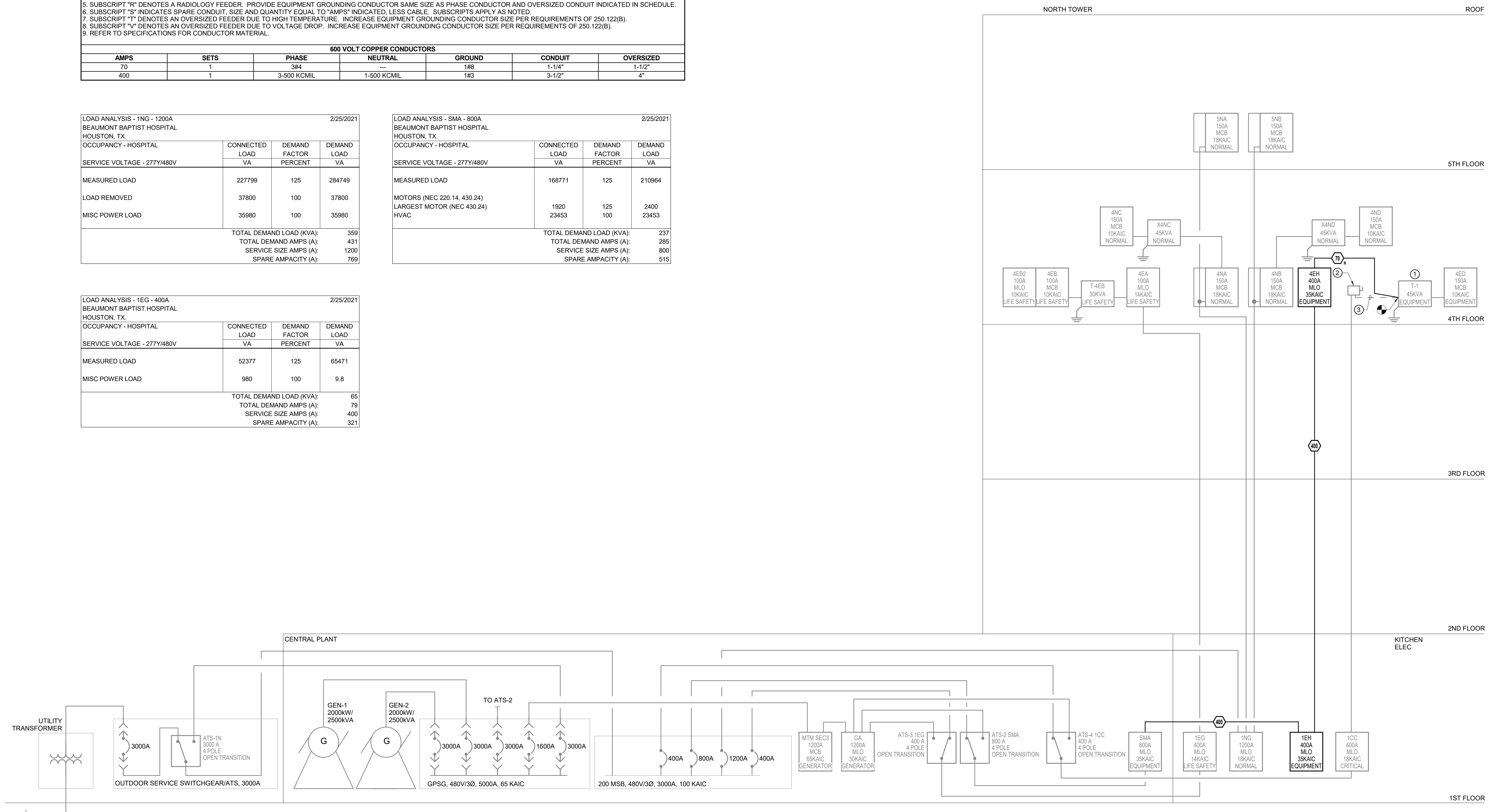
OCCUPANCY - HOSPITAL	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
	VA	PERCENT	VA
SERVICE VOLTAGE - 277Y/480V			
MEASURED LOAD	227799	125	284749
LOAD REMOVED	37800	100	37800
MISC POWER LOAD	35980	100	35980
TOTAL DEMAND LOAD (KVA):			359
TOTAL DEMAND AMPS (A):			431
SERVICE SIZE AMPS (A):			1200
SPARE AMPACITY (A):			769

LOAD ANALYSIS - SMA - 800A
 BEAUMONT BAPTIST HOSPITAL
 HOUSTON, TX
 2/25/2021

OCCUPANCY - HOSPITAL	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
	VA	PERCENT	VA
SERVICE VOLTAGE - 277Y/480V			
MEASURED LOAD	168771	125	210964
MOTORS (NEC 220.14, 430.24)	1920	125	2400
LARGEST MOTOR (NEC 430.24)	23453	100	23453
HVAC			
TOTAL DEMAND LOAD (KVA):			237
TOTAL DEMAND AMPS (A):			285
SERVICE SIZE AMPS (A):			800
SPARE AMPACITY (A):			515

LOAD ANALYSIS - 1EG - 400A
 BEAUMONT BAPTIST HOSPITAL
 HOUSTON, TX
 2/25/2021

OCCUPANCY - HOSPITAL	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
	VA	PERCENT	VA
SERVICE VOLTAGE - 277Y/480V			
MEASURED LOAD	52377	125	65471
MISC POWER LOAD	980	100	9.8
TOTAL DEMAND LOAD (KVA):			65
TOTAL DEMAND AMPS (A):			79
SERVICE SIZE AMPS (A):			400
SPARE AMPACITY (A):			321



1 PARTIAL SINGLE LINE DIAGRAM



4 NORTH WEST COVID UNIT
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 REVISION: 3 DATE: MM-DD-YYYY

DRAWINGS SHEET TITLE
ELECTRICAL - SINGLE LINE DIAGRAM
 SHEET NUMBER
E601
 20109
 PROJECT NUMBER

EXISTING PANEL

Name: SMA		Location: CENTRAL PLANT		Volts: 480/277 Wye		A.I.C. Rating: 35,000 A	
Supply From: SERVICE SWITCHBOARD		Phases: 3		Mains Type: MLO		Bus Rating: 1200 A	
Mounting: SURFACE		Wires: 4		Enclosure: NEMA 1		MCB Rating: --	
Feed Thru Lugs: No							

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load (VA)	Remarks
1	EXISTING SPARE	3	15 A	0	
2	EXISTING SPARE	3	15 A	0	
3	EXISTING SPARE	3	15 A	0	
4	EXISTING SPARE	3	15 A	0	
5	EXISTING SPARE	3	50 A	29098	
6	EXISTING AHU-4	3	70 A	0	
7	EXISTING HOT WATER PUMP #1	3	30 A	17043	
8	EXISTING SPARE	3	30 A	0	
9	EXISTING SPARE	3	30 A	0	
10	EXISTING SPARE	3	30 A	0	
11	EXISTING PNEUMATIC TUBE SYSTEM	3	20 A	2577	
12	EXISTING SF-J1	3	20 A	12470	
13	EXISTING SPARE	3	15 A	0	
14	EXISTING SF-J2	3	20 A	12470	
15	EXISTING SPARE	3	20 A	0	
16	EXISTING SPARE	3	20 A	0	
17	EXISTING 18 HOUSE PUMP	3	20 A	29098	
18	EXISTING PANEL SNA	3	225 A	41569	
19	EXISTING SPARE	3	20 A	0	
20	EXISTING PANEL 1ME	3	600 A	124707	
21	1EH	3	400 A	54833	[1]
22	EXISTING space	--	--	0	--
23	EXISTING space	--	--	0	--
24	EXISTING space	--	--	0	--

Load Classification	Connected Load	Demand Factor	Demand Load	Panel Totals
Ltg	300 VA	125.00%	375 VA	
Rec	180 VA	100.00%	180 VA	Total Conn. Load: 323865 VA
Exst	23400 VA	125.00%	29250 VA	Total Demand: 329790 VA
Power	30953 VA	100.00%	30953 VA	Total Conn. Current: 390 A
				Total Demand Current: 397 A

Notes:
[1] PROVIDE NEW BREAKER IN EXISTING SPACE. REFURBISHED AND TESTED CIRCUIT BREAKER IS ACCEPTABLE.

NEW PANEL

Name: 1EH		Location: 1ST FLR ELEC 1B02		Volts: 480/277 Wye		A.I.C. Rating: 35,000 A	
Supply From: SMA		Phases: 3		Mains Type: MLO		Bus Rating: 400 A	
Mounting: SURFACE		Wires: 4		Enclosure: NEMA 1		MCB Rating: --	
Feed Thru Lugs: Yes							

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Notes	Circuit Description	CKT
1	SPARE	--	35	3	0	0	0	3	35	--	SPARE	2
3	--	--	--	--	0	0	0	--	--	--	--	4
5	--	--	--	--	0	0	0	--	--	--	--	6
7	SPARE	--	35	3	0	0	0	3	35	--	SPARE	8
9	--	--	--	--	0	0	0	--	--	--	--	10
11	--	--	--	--	0	0	0	--	--	--	--	12
13	SPARE	--	20	3	0	0	0	3	20	--	SPARE	14
15	--	--	--	--	0	0	0	--	--	--	--	16
17	--	--	--	--	0	0	0	--	--	--	--	18
19	SPARE	--	20	3	0	0	0	3	20	--	SPARE	20
21	--	--	--	--	0	0	0	--	--	--	--	22
23	--	--	--	--	0	0	0	--	--	--	--	24
25	SPARE	--	20	1	0	0	0	1	20	--	SPARE	26
27	SPARE	--	20	1	0	0	0	1	20	--	SPARE	28
29	SPARE	--	20	1	0	0	0	1	20	--	SPARE	30
31	SPARE	--	20	1	0	0	0	1	20	--	SPARE	32
33	SPARE	--	20	1	0	0	0	1	20	--	SPARE	34
35	SPARE	--	20	1	0	0	0	1	20	--	SPARE	36
37	SPARE	--	20	1	0	0	0	1	20	--	SPARE	38
39	SPARE	--	20	1	0	0	0	1	20	--	SPARE	40
41	SPARE	--	20	1	0	0	0	1	20	--	SPARE	42

Load Classification	Connected Load	Demand Factor	Demand Load	Panel Totals
Ltg	300 VA	125.00%	375 VA	
Rec	180 VA	100.00%	180 VA	Total Conn. Load: 54833 VA
Exst	23400 VA	125.00%	29250 VA	Total Demand: 60758 VA
Power	30953 VA	100.00%	30953 VA	Total Conn. Current: 66 A
				Total Demand Current: 73 A

Notes:

EXISTING PANEL

Name: 4ND		Location: 4TH FLR AHU/ELEC		Volts: 120/208 Wye		A.I.C. Rating: 10,000 A	
Supply From: X4ND		Phases: 3		Mains Type: MCB		Bus Rating: 225 A	
Mounting: SURFACE		Wires: 4		Enclosure: NEMA 1		MCB Rating: 150 A	
Feed Thru Lugs: No							

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Notes	Circuit Description	CKT
1	EXISTING LOAD		20	1	600	900		1	20		EXISTING LOAD	2
3	EXISTING LOAD		20	1		600	900		1	20	EXISTING LOAD	4
5	EXISTING LOAD		20	1			1260	900	1	20	EXISTING LOAD	6
7	EXISTING LOAD		20	1	900	900		1	20		EXISTING LOAD	8
9	EXISTING LOAD		20	1		900	900		1	20	EXISTING LOAD	10
11	EXISTING LOAD		20	1			900	900	1	20	EXISTING LOAD	12
13	EXISTING LOAD		20	1	900	900		1	20		EXISTING LOAD	14
15	EXISTING LOAD		20	1		900	900		1	20	EXISTING LOAD	16
17	EXISTING LOAD		20	1			900	900	1	20	EXISTING LOAD	18
19	EXISTING LOAD		20	1	900	900		1	20		EXISTING LOAD	20
21	EXISTING LOAD		20	1		900	900		1	20	EXISTING LOAD	22
23	EXISTING LOAD		20	1			900	900	1	20	EXISTING LOAD	24
25	EXISTING LOAD		20	1	900	900		1	20		EXISTING LOAD	26
27	EXISTING LOAD		20	1		900	900		1	20	EXISTING LOAD	28
29	EXISTING LOAD		20	1			900	0	1	20	[1] SPARE	30
31	SPARE		20	1	0	900			1	20	EXISTING LOAD	32
33	SPARE		20	1		0	0		1	20	[1] SPARE	34
35	EXISTING LOAD		20	1			900	900	1	20	EXISTING LOAD	36
37	EXISTING LOAD		20	1	900	900		1	20		EXISTING LOAD	38
39	SPARE		20	1		0	900		1	20	EXISTING LOAD	40
41	EXISTING LOAD		20	1			900	900	1	20	EXISTING LOAD	42

Load Classification	Connected Load	Demand Factor	Demand Load	Panel Totals
Ltg	1200 VA	125.00%	1500 VA	
Rec	23760 VA	71.04%	16880 VA	Total Conn. Load: 33060 VA
Power	8100 VA	100.00%	8100 VA	Total Demand: 26480 VA
				Total Conn. Current: 92 A
				Total Demand Current: 74 A

Notes:
[1] BREAKER MADE SPARE BY DEMOLITION WORK.

EXISTING PANEL

Name: 4NA		Location: 4TH FLR ELEC CLOSET		Volts: 480/277 Wye		A.I.C. Rating: 18,000 A	
Supply From: 1NG		Phases: 3		Mains Type: MCB		Bus Rating: 225 A	
Mounting: SURFACE		Wires: 4		Enclosure: NEMA 1		MCB Rating: 150 A	
Feed Thru Lugs: No							

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Notes	Circuit Description	CKT	
1	EXISTING LOAD		20	1	3600	3000		1	20	[1]	HEATER 459	2	
3	EXISTING LOAD		20	1		3400	2500		1	20	[1]	HEATER 458	4
5	EXISTING LOAD		20	1			2100	3000	1	20	[1]	HEATER 460	6
7	EXISTING LOAD		20	1	2800	3000		1	20	[1]	HEATER 461	8	
9	EXISTING SPARE		20	1		0	3000		1	20	[1]	HEATER 462	10
11	EXISTING SPARE		20	1			0	3000	1	20	[1]	HEATER 463	12
13	EXISTING SPARE		20	1	0	3000		1	20	[1]	HEATER 464	14	
15	EXISTING LOAD		20	1		3000	3000		1	20	EXISTING LOAD	16	
17	EXISTING LOAD		20	1			3000	3000	1	20	EXISTING LOAD	18	
19	EXISTING LOAD		20	1	3000	3000		1	20		EXISTING LOAD	20	
21	EXISTING LOAD		20	1		3000	3000		1	20	EXISTING LOAD	22	
23	EXISTING LOAD		20	1			3000	3000	1	20	EXISTING LOAD	24	
25	EXISTING SPARE		20	1	0	12600			3	60	EXISTING LOAD	26	
27	EXISTING SPARE		20	1		0	12600		--	--	--	28	
29	EXISTING SPARE		20	1		0	12600		--	--	--	30	

Load Classification	Connected Load	Demand Factor	Demand Load	Panel Totals
Htg	50500 VA	100.00%	50500 VA	
Exst	37800 VA	125.00%	47250 VA	Total Conn. Load: 100200 VA
Lighting	11900 VA	100.00%	11900 VA	Total Demand: 109650 VA
				Total Conn. Current: 121 A
				Total Demand Current: 132 A

Notes:
[1] REUSE EXISTING BREAKER.

EXISTING PANEL

Name: 4NB		Location: 4TH FLR AHU/ELEC		Volts: 480/277 Wye		A.I.C. Rating: MCB	
Supply From: 1NG		Phases: 3		Mains Type: MCB		Bus Rating: 225 A	
Mounting: SURFACE		Wires: 4		Enclosure: NEMA 1		MCB Rating: 150 A	
Feed Thru Lugs: No							

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Notes	Circuit Description	CKT	
1	EXISTING SPARE		20	1	0	3000		1	20		EXISTING LOAD	2	
3	EXISTING SPARE		20	1		0	3000		1	20	EXISTING LOAD	4	
5	EXISTING SPARE		20	1			0	2500	1	20	[1]	HEATER 457	6
7	EXISTING SPARE		20	1	0	3000		1	20	[1]	HEATER 454	8	
9	EXISTING SPARE		20	1		0	3000		1	20	[1]	HEATER 453	10
11	EXISTING SPARE		20	1			0	3000	1	20	[1]	HEATER 452	12
13	EXISTING LOAD		20	1	3000	3000		1	20	[1]	HEATER 451	14	
15	EXISTING LOAD		20	1		3000	3000		1	20	EXISTING LOAD	16	
17	EXISTING LOAD		20	1			3000	3000	1	20	EXISTING LOAD	18	
19	EXISTING LOAD		20	1	3000	3000		1	20		EXISTING LOAD	20	
21	EXISTING LOAD		20	1		3000	3000		1	20	EXISTING LOAD	22	
23	EXISTING LOAD		20	1			3000	3000	1	20	EXISTING LOAD	24	
25	EXISTING LOAD		20	3	2273	11400		3	20		EXISTING X4ND	26	
27	--	--	--	--	--	2273	9600	--	--	--	--	28	
29	--	--	--	--	--	--	2273	12060	--	--	--	30	

Load Classification	Connected Load	Demand Factor	Demand Load	Panel Totals
Ltg	1200 VA	125.00%	1500 VA	
Rec	23760 VA	71.04%	16880 VA	Total Conn. Load: 93378 VA
Htg	53500 VA	100.00%	53500 VA	Total Demand: 86798 VA
Power	14918 VA	100.00%	14918 VA	Total Conn. Current: 112 A
				Total Demand Current: 104 A

Notes:
[1] REUSE EXISTING BREAKER FOR NEW CIRCUIT.

EXISTING PANEL

Name: 4EB		Location: 4TH FLR ELEC CLOSET		Volts: 120/208 Wye		A.I.C. Rating: 10,000 A	
Supply From: T-4EB		Phases: 3		Mains Type: MCB		Bus Rating: 100 A	
Mounting: SURFACE							