

ELECTRICAL NOTES

- ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN DWELLING UNIT, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKER, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. PER NEC 2020, ARTICLE 210.12(A).
- ELECTRICAL WORKS SHALL BE PER NEC 2020 AND CITY OF DALLAS ELEC. ORDINANCE.
- PANTRY CEILING LIGHTS PROVIDE LENS COVERS.
- GUEST LAUNDRY, VENDING & PUBLIC RESTROOMS PROVIDE CONTINUOUS OR ENTRY ACTIVATED LIGHTING.
- THERE SHALL BE A 30" X 48" CLEAR SPACE PROVIDED @ ALL CONTROL DEVICES. i.e. SWITCHES, THERMOSTAT CONTROLS.
- WORKING CLEARANCE @ ALL SERVICEABLE ELECTRICAL EQUIPMENT SHALL COMPLY WITH 2020 NEC 110.26 AND 240.24D. NOTE OVERHEAD CLEARANCES FROM FOREIGN SYSTEMS AS PER 110.26F1 (A&B).
- RECEPTACLE, SWITCHES, DATA PORTS, TELEPHONE OUTLETS SHOWN ON PLANS ARE NEW, PROVIDE WIRING AS REQUIRED TO COMPLY WITH THE 2020 NEC.
- DISCONNECTING MEANS AND EQUIPMENT SERVING OUTLETS FOR ALL HVAC EQUIPMENT MOUNTED, HEAT PUMPS AND PTAC UNIT EQUIPMENTS SERVICING OUTLET SHALL ALSO COMPLY WITH CHAPTER 10 SECTION 10.93(1)E, AND SHALL BE INDEPENDENTLY WITH CHAPTER 10, SECTION 10.93(1)F.
- J-BOXES AND EQUIPMENT LOCATED ABOVE GYPSUM BOARD AND OTHER INACCESSIBLE CEILINGS, SHALL BE ACCESSIBLE AS PER NEC 2005 314.29 AND ARTICLE 100.
- PROVIDE COMPLIANCE WITH IECC 2018 FOR AUTOMATIC LIGHTING SHUT-OFF.
- THE USE OF PRE APPROVED DECORATIVE LIGHT FIXTURES MANUFACTURER IS HIGHLY RECOMMENDED TO ENSURE NO ISSUES WITH INSTANT-ON BALLAST LIGHT LEVELS OR INTERIOR DESIGN APPROVALS. ALL DECORATIVE LIGHTS MUST BE APPROVED BY THE INTERIOR DESIGN DEPARTMENT AS PART OF THE FF&E SUBMITTAL PRIOR TO PURCHASE/INSTALLATION.
- ALL WIRING SHALL BE COPPER IN CONDUIT (UNO), ROMEX CAN BE USED IF CITY WILL PERMIT.
- PROVIDE A PHONE IN ELEVATOR, FITNESS ROOM, YOGA ROOM AND POOL AREA THAT WILL AUTOMATICALLY RING THE MAINTENANCE OFFICE.
- PROVIDE A PERMANENT CIRCUIT DIRECTORY (BASE ON AS BUILT CONDITIONS) POSTED BEHIND PANELBOARD DOORS, CIRCUIT AND PANEL LABELS BY MEANS APPROVED BY AHJ.

IDF ROOM KEY NOTE:

- PROVIDE TWO, 4" CONDUITS FROM LOCAL TELEPHONE UTILITY SERVICE POINT TO PROPERTY TELEPHONE EQUIPMENT.
- PROVIDE TWO, 4" CONDUITS FROM CABLE CO. UTILITY SERVICE POINT TO PROPERTY CABLE CO. EQUIPMENT.
- TELEPHONE TERMINAL BOARD "TTB" INSTALL 4'X8'X3/4" PLYWOOD GRADE CD FIRE RATED
- CABLE TV BOARD "CATV" INSTALL 4'X8'X3/4" PLYWOOD GRADE CD FIRE RATED
- 1/4" X 4" X 24" TELECOMMUNICATIONS MAIN GROUNDING BUSBAR INSTALL PER TIA-607-B AND NEC 250
- DOOR SHALL BE AUTOMATIC CLOSING BY THE ACTUATION OF SMOKE DETECTORS OR BY LOSS OF POWER TO THE SMOKE DETECTOR OR HOLD-OPEN DEVICE. DOORS THAT ARE AUTOMATIC-CLOSING BY SMOKE DETECTION SHALL NOT HAVE MORE THAN A 10-SECOND DELAY BEFORE THE DOOR STARTS TO CLOSE AFTER THE SMOKE DETECTOR IS ACTUATED. PER IBC 708.7 & 715.4.8.3.

KEY NOTES:

- MSB-1, CAB 1, 150AT, 3P, NEMA-1, FDS
- MSB-2, CAB 2, 150AT, 3P, NEMA-1, FDS
- CAB-1 LIGHT AND FAN, TOP HOISTWAY LIGHT, HOISTWAY PIT LIGHT LOCKABLE DISCONNECTS WIRE TO ELEVATOR 1 CONTROLLER
- CAB-2 LIGHT AND FAN, TOP HOISTWAY LIGHT, HOISTWAY PIT LIGHT LOCKABLE DISCONNECTS WIRE TO ELEVATOR 2 CONTROLLER
- SUMP PUMP CONTROLLER & ALARM BOX
- PROVIDE TYPE "EV" LIGHT FIXTURE AND RECEPTACLE, LOCATE IN PIT AS DIRECTED BY ELEVATOR CONTRACTOR.
- SUMP PUMP MOTOR, RUN BELOW GRADE ONE 3/4" C TO CONTROL BOX AT ELEV. MACHINE ROOM.
- PROVIDE 3/4" C WITH PULL ROPE TO OUTDOOR UNIT, E.C. TO COORDINATE WORKS WITH MECHANICAL CONTRACTOR.
- 3/4" C CONDUIT FOR TO SERVE OUTLET, RUN BELOW GRADE & TERMINATE UP IN CEILING.
- 3/4" C CONDUIT FOR TO SERVE DATA/VOICE, RUN BELOW GRADE & TERMINATE UP IN CEILING.

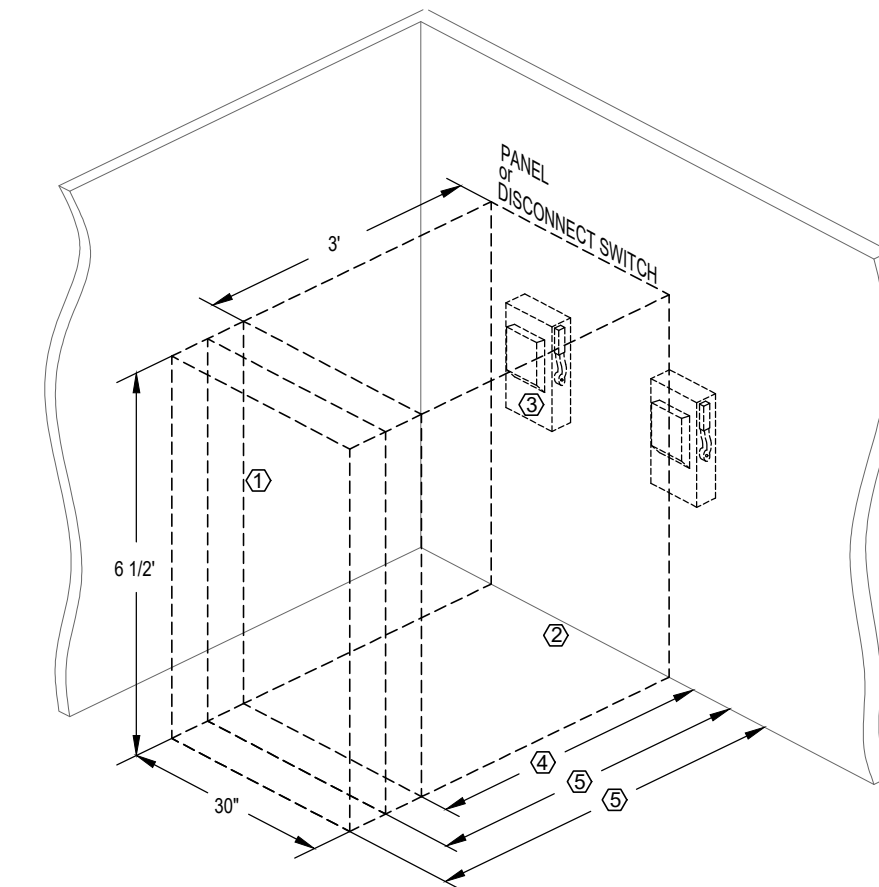
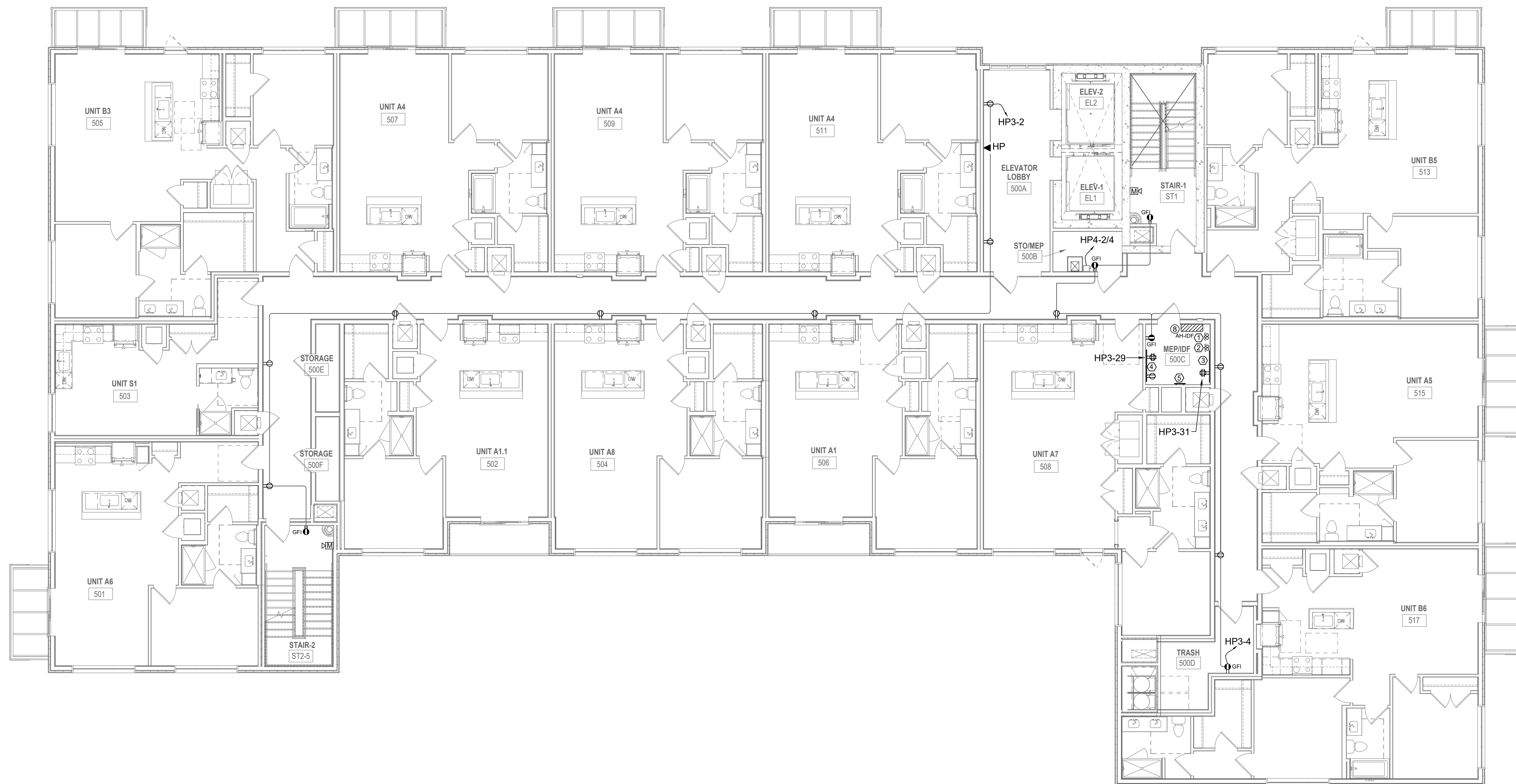
FIRE DEVICES SHOWN ON CONSTRUCTION PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL FIRE ALARM AND FIRE SPRINKLER DESIGNS NEED TO BE SUBMITTED SEPARATELY BY A LICENSED DESIGN ENGINEER AND APPROVED BY THE CITY'S FIRE DEPARTMENT PRIOR TO CONSTRUCTION.

FOR APARTMENT ELECTRICAL LAYOUT
SEE SHEET E4.01, E4.02, E4.03, E4.04, E4.05 & E4.06

LEGEND

	EXHAUST FAN		RECEPTACLE, 120V DUPLEX (ABOVE COUNTER)
	CARBON MONOXIDE DETECTOR		RECEPTACLE, 120V DUPLEX WEATHER PROOF
	120V SMOKE ALARM		GROUND FAULT INTERRUPTER 120V DUPLEX
	TELEPHONE OUTLET		50A, 208V RANGE OUTLET
	DATA PORT		RECEPTACLE, GFI ABOVE CEILING
	TELEVISION OUTLET		SINGLE SWITCH
	DISCONNECT SWITCH, NON-FUSED		3-WAY SWITCH
	DISCONNECT SWITCH, FUSED		FAN LIGHT SWITCH
	JUNCTION BOX		PADDLE FAN SWITCH
	RECEPTACLE, 208V SINGLE, SEE SCHEDULE FOR AMP RATING		1A-2 CIRCUIT HOMERUN TO PANEL 1A CKT. 2
	RECEPTACLE, 120V SINGLE		
	RECEPTACLE, 120V DUPLEX		

NOTE: LOWER SUBSCRIPT BESIDE FIXTURE DENOTES SWITCH GROUP



SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT. PER NEC 110.26

KEYED NOTE:

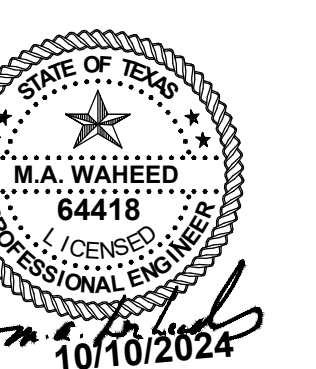
- THE MINIMUM HEADROOM OF WORKING SPACE SHALL BE 6 1/2 FT.
- THE WIDTH OF THE WORKING SPACE SHALL BE THE WIDTH OF THE EQUIPMENT OR 30 INCH., WHICHEVER IS GREATER. THE PANEL DOOR SHALL OPEN AT LEAST 90 DEGREES.
- ALL CIRCUIT BREAKERS OR DISCONNECT HANDLES SHALL BE NOT MORE THAN 6 FT 7 INCHES ABOVE THE FLOOR WHEN IN THEIR HIGHEST POSITION.
- 3 FT. CLEARANCE IF 0-150V TO GROUND.
- 3.5 FT. CLEARANCE IF 151-600V TO GROUND, 4 FT. IF EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

2 ELECTRICAL EQUIPMENT WORK SPACE CLEARANCES
NOT TO SCALE

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

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DALLAS, TEXAS



REVISIONS: _____ DATE: _____

POWER LAYOUT
BUILDING PLAN -
LEVEL 5

DATE: 04/30/2024 SCALE:
DRAWN: _____ CHECKED:
PROJECT #
SHEET NO: **E3.06**