

VOLTAGE

120/277

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NOT TO SCALE

FIRE DEPARTMENT APPROVAL PER FIELD INSPECTION.

ELECTRICAL LEGEND

<u>OUTLETS</u>

Φ DUPLEX RECEPTACLE (120 VOLT) фағі ARC FAULT RECEPTACLE (120 VOLT)

ΦwP WEATHERPROOF RECEPTACLE Ф GROUND FAULT RECEPTACLE Фю ISOLATED GROUND RECEPTACLE D.R. ON A SEPARATE CIRCUIT

|Φ|_{DF} DRINKING FOUNTAIN SWITCHED RECEPTACLE ♠ HALF SWITCHED RECEPTACLE → DOUBLE DUPLEX RECEPTACLE

D.D.R. ON A SEPARATE CIRCUIT Ф CLOCK RECEPTACLE ⊙^F FLUSH FLOOR RECEPTACLE, DUPLEX ⊙s SURFACE FLOOR RECEPTACLE, DUPLEX

1€60A SPECIAL EQUIPMENT RECEPTACLE HO™ LOCKING RECEPTACLE ▼ TELEPHONE OUTLET ▼FAX FAX OUTLET

▼ FLUSH FLOOR TELEPHONE OUTLET ▼s SURFACE FLOOR TELEPHONE OUTLET DATA OUTLET ▼ TELEPHONE/DATA OUTLET

■™ TELEPOWER POLE (T=telephone, P=power, C=computer) FIXTURE/DEVICE OUTLET BOX CEILING JUNCTION BOX

TO MAIN

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NOT TO SCALE

SERVICE

WALL JUNCTION BOX JUNCTION BOX WITH FLEX PIGTAIL PULL (JUNCTION) BOX

WWW PIPE TRACE HEATER → ELECTRIC UNIT HEATER EBBH === ELECTRIC BASEBOARD HEATER ECH = ELECTRIC CABINET HEATER

₩ PADDLE FAN ROOF TOP UNIT

SWITCHES

\$ SINGLE-POLE SWITCH

\$3 THREE-WAY SWITCH

\$4 FOUR-WAY SWITCH

\$₂ DOUBLE-POLE SWITCH

\$ SWITCH WITH PILOT LIGHT

\$L LOW-VOLTAGE SWITCH

\$wp WEATHERPROOF SWITCH

\$MD MOTION DETECTOR SWITCH

<u>MECHANICAL</u>

\$ DIMMER SWITCH

\$k KEY SWITCH

\$T TIME SWITCH

\$70 THERMAL OVERLOAD SWITCH

\$\$\Pi\$ COMB. SWITCH/DUPLEX RECEPTACLE

\$ MANUAL MOTOR SWITCH (AS REQ'D)

D600 DIMMER SWITCH (WATTAGE SHOWN)

/#P/ MOTOR AND CONNECTION, HP SHOWN CEILING EXHAUST FAN (1/X HP U.O.N.) HP WALL TYPE EXHAUST FAN, HP SHOWN →√√/- RESISTANCE HEATER, KW SHOWN ☐ ■ INFRARED GAS BURNER, ELEC. IGNITION

(WH) ELECTRIC WATER HEATER

GENERAL NOTES

THE ENTIRE ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CHICAGO CODE, THE NACIONAL ELECTRICAL CODE, THE UTILITY COMPANY, AND THE LANDLORS INSURANCE CARRIER. EMERGENCY LIGHTS UNITS SHALL FEED FROM LINE SIDE OF THE LIGHTING CIRCUIT SERVING

FINAL LOCATIONS OF ALL EXIT AND EMERGENCY LIGHTS TO BE APPROVED BY LOCAL FIRE DEPARTMENT CONNECT TO EXISTING PANEL COMPLETE WITH 15 OR 20 AMP SINGLE POLE CIRCUIT BREAKERS

AS REQD, 20 AMP SINGLE POLE APPLIANCE CIRCUITS AS REQD. ALL WIRE TO BE A MINIMUM #12 CU THIN UNLESS NOTED. FIELD VERIFY SIZE AND LOCATION OF ALL HVAC EQUIPMENT.

FIELD VERIFY LOCATION OF ALL SEPARATE CIRCUITS AND FLOOR BOXES. ELECTRICAL SUBCONTRACTORS ARE RESPONSIBLE TO PROVIDE A COMPLETE OPERATING AND

FULLY APPROVED ELECTRICAL SYSTEM. ALL KITCHEN EQUIPMENT SIZES, CONNECTION TYPES, AND ELECTRICAL LOCATIONS ARE TO BE VERIFIED BY OWNER/EQUIPMENT MANUFACTURER.

ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION, HEIGHT AND ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO ROUGH—IN WITH EQUIPMENT SUPPLIERS. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED LOCAL DISCONNECTS AND SPECIAL ENCLOSURES (I.E. NEMA 3R, STAINLESS STEEL, ETC.) PER 2014 NEC CODE.

ELECTRICAL CONTRACTOR SHALL CHECK ROTATION OF ALL THREE PHASE MOTORS AND CORRECT THE ROTATION IF REVERSED. REFRIGERATION CONTRACTOR SHALL FURNISH AND INSTALL CIRCUIT BREAKER LOCK-ON DEVICES FOR ALL BRANCH CIRCUITS SERVING REFRIGERATION EQUIPMENT, (I.E. COOLERS, FREEZERS, REFRIGERATORS, COMPRESSORS, ETC.).

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL FINAL EQUIPMENT POWER AND CONTROL TERMINATIONS. VERIFY LIGHT SWITCHING/DIMMING REQUIREMENTS WITH OWNER/ARCHITECT FOR ALL AREAS. ALL WIRING METHODS, MATERIALS AND EQUIPMENT INSTALLED IN AIR HANDLING SPACES SHALL COMPLY WITH 2020 NEC CODE.

ALL WIRING METHODS WHICH WILL PENETRATE THROUGH FIRE RESISTANT RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS SHALL FOLLOW APPROVED METHODS TO MAINTAIN THE FIRE RESISTIVE RATING ALL DISCONNECTING MEANS, SERVICE, FEEDER, AND BRANCH CIRCUITS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE.

USE HEAVY WALL CONDUIT OR IMC FOR UNDER SLAB INSTALLATIONS. IMC IS PERMITTED WITH SCREW CONNECTIONS. . FLEXIBLE METAL CONDUIT MAY BE USED ONLY FOR SHORT CONNECTIONS TO FIXTURES AND EQUIPMENT, AS PERMITTED BY 2020 NEC CODE.). ALUMINUM CONDUCTORS ARE NOT PERMITTED

. ALL ELECTRICAL OUTLETS SHALL BE GFI IN THE BATHROOMS. (NFPA 70, NATIONAL ELECTRICAL CODE (NEC)/2020 210.8 (B)(1))

2. ALL RECEPTACLES FOR ROOFTOP UNITS SHALL BE GFI. (NEC/2020 210.8 (B)(2)) 23. THE ELECTRICAL CONTRACTOR MUST PROVIDE A DISCONNECT SWITCH WHERE REQUIRED FOR

ANY ELECTRICAL EQUIPMENT. 4. THE ELECTRICAL CONTRACTOR MUST PROVIDE SWITCH WITH DIMMER TO CONTROL THE LIGHTS, ADDITIONAL SWITCH EMOTION DETECTOR WHERE REQUIRED ACCORDING TO THE DRAWINGS.

5. ALL LIGHTS SHALL BE SHIELDED IN FOOD AREAS. . RENEWABLE FUSES ARE NOT PERMITTED.

. CIRCUIT BREAKERS ON ALL NONRESIDENTIAL PANEL BOARDS AND SWITCHBOARDS SHALL BE BOLT-ON TYPE.

EXTENSION BOXES SHALL NOT BE PERMITTED. 9. ELECTRICAL METALLIC TUBING SHALL BE INSTALLED AS A COMPLETE SYSTEM: EACH TUBING LENGTH SHALL BE SECURELY FASTENED IN PLACE AT EVERY 7-FT. IN ADDITION, HORIZONTAL RUNS OF ELECTRIC METALLIC TUBING SUPPORTED BY OPENINGS THROUGH FRAMING MEMBERS AT INTERVALS NOT GREATER THAN 7-FT AND SECURELY FASTENED WITHIN 3-FT OF TERMINATION POINTS SHALL BE PERMITTED.

STORAGE BATTERIES USED AS A SOURCE OF POWER FOR EMERGENCY SYSTEMS SHALL BE OF SUITABLE RATING AND CAPACITY TOO SUPPLY AND MAINTAIN THE TOTAL LOAD FOR A PERIOD . ILLUMINATION LEVELS AT EGRESS SHALL NO LESS THAN 1FOOT-CANDLE (11LUX)AT THE

WALKING SURFACE LEVEL. ALL LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING. ELECTRICAL PANEL DIRECTORY SHALL BE MARKED TO INDICATE LIGHTING CIRCUITS THAT FEED

. SEPARATE FIRE ALARM PERMIT AND DRAWINGS SHALL PROVIDED; THREE SET OF FIRE ALARM DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO ROUGH WALL

5. ALL NEW FIRE ALARM WIRING SHALL BE RUN IN METAL CONDUIT WITH RED JUNCTION BOX COVERS. 6. ALL EXIT SIGNS MUST BE ILLUMINATED AT ALL TIMES WHEN THE BUILDING IS OCCUPIED. TO ASSURE CONTINUED ILLUMINATION FOR DURATION OF NOT LESS THAN 90 MINUTES IN CASE

PRIMARY POWER LOSS, THE EXIT SIGNS MUST BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM THAT COMPLIES WITH SECTION 2702. 7. FIELD-VERIFY ALL MEANS OF EGRESS, INCLUDING EXIT DISCHARGE ARE ARTIFICIALLY LIGHTED AT ALL TIMES THAT THE BUILDING IS OCCUPIED. 38. AN EVALUATION OF EXIT SIGNS AND EMERGENCY LIGHTING WILL BE CONDUCTED BY THE FIRE

DISTRICT AT THE FINAL OCCUPANCY, AND AFTER ALL RACKING AND STORAGE IS IN PLACE IF APPLICABLE, TO VERIFY THAT THE MEANS OF EGRESS IS CLEARLY IDENTIFIED AND ADEQUATELY LIGHTED. ADDITIONAL FIXTURES MAY BE REQUIRED IF DEFICIENCIES ARE NOTED. TEST STANDBY POWER FOR ALL EXIT SIGNS AND EMERGENCY LIGHTING BY REMOVING PRIMARY POWER SUPPLY AND VERIFYING OPERATION OF STANDBY POWER AS WELL AS PROTECTION OF THE STANDBY POWER SOURCE.

D. FIELD—VERIFY THE PROPER OPERATION OF ALL LIFE AND FIRE SAFETY FEATURES AND SYSTEMS, INCLUDING ALL INTERFACED SYSTEMS WITH THE FIRE ALARM SYSTEM. ALL ELECTRICAL OUTLETS SHALL BE GFI IN THE BATHROOMS. ALL RECEPTACLES FOR ROOFTOP UNITS SHALL BE GFI.

42. ELECTRICAL BOXES AND/OR CONDUIT INSTALLED IN SUSPENDED CEILINGS MUST NOT EXCEED 100 CUBIC INCHES IN SIZE, AND THEY MUST EITHER BE FASTENED TO FRAMING MEMBERS BY BOLTS, SCREWS, RIVETS, OR APPROVED CLIPS, OR SECURED TO CEILING SUPPORT WIRES BY AN APPROVED METHOD. 43. A CONVENIENCE OUTLET IS REQUIRED OVER DISPLAY WINDOWS.

44. ALL EMERGENCY AND EXIT LIGHTS WILL BE VERIFIED IN THE FIELD. ALL EMERGENCY AND EXIT LIGHTS SHALL BE EQUIPPED WITH A BATTERY BACK-UP CAPABLE OF CARRYING LOAD FOR 90 MINUTES MINIMUM.

> I HEREBY CERTIFY THAT THIS PLANS WERE PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH THE CITY OF WEST CHICAGO BUILDING CODE AND ORDINANCES.



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3

1 FOR LANDLORD APPROVAL 1/22/2024 REVISIONS DSGN. HB CHKD. HB DWN. HB SCALE: AS SHOWN SHEET TITLE :

PLAN

PROJECT NO. SHEET NO.

01/17/2024

