

**Addendum #4 – Post Bid**  
**FOR**  
**LINK – Multi-Use Development**  
**BID PACKAGE – All Trades**

**May 2<sup>nd</sup>, 2023**



**Addendum #4 – Post Bid  
FOR**

**LINK – Multi-Use Development**

**BID PACKAGE – All Trades**

Date of Issue: May 2<sup>nd</sup>, 2023

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This Addendum is issued before bid date to inform the Bidders of revisions and/or clarifications to the Project Bid Documents and includes all Bid Packages.

All requirements contained in the Bidding Documents shall apply to this Addendum. The general character of the work called for in this Addendum shall be the same as originally set forth in the applicable portions of the Bidding Documents for similar work, unless otherwise specified under this Addendum. All incidental work necessitated by this Addendum, as required to complete the work, shall be included in the bid even though not specifically mentioned in this Addendum.

The Addendum forms a part of, modifies the Bidding Documents and Contract Requirements, the Specifications and the Drawings issued for bidding as well as any previous Addendums. This Addendum is hereby made a part of the Bidding Documents and will be included in the Contract.

**Acknowledge receipt of this Addendum on your bid proposal. Failure to do so may subject bidder to disqualification.**

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ITEM-1 ADDENDUM #4 BLACKLINE NARRATIVE DATED 05-01-2023

ITEM-2 ADDENDUM #4 DRAWINGS DATED 05-01-2023

ITEM-3 REPLACE PREVIOUS SPECIFICATION SECTION 087100 DOOR HARWARE WITH 087100 DOOR HARDWARE DATED 05-01-2023

ITEM-4 REPLACE PREVIOUS SPECIFICATION SECTION 08710.1 DOOR INDEX WITH 08710.1 DOOR INDEX DATED 05-01-2023

ITEM-5 DOOR HARDWARE SUMMARY OF CHANGES (FOR REFERENCE ONLY)

ITEM-6 DOOR INDEX SUMMARY OF CHANGES (FOR REFERENCE ONLY)

ITEM-7 REPLACE PREVIOUS ATTACHMENT 04 – ALTERNATES WITH ATTACHMENT 04 - ALTERNATES DATED 05-01-23

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23050 – LINK  
Gershman Partners  
Addendum No. 4

**ATTACHMENTS:**

- A.** Addendum #4 Narrative
- B.** Addendum #4 Drawings
- C.** Addendum #4 Specification Section 087100 Door Hardware
- D.** Addendum #4 Specification Section 08710.1 Door Index
- E.** Door Hardware – Summary of Changes
- F.** Door Index – Summary of Changes
- G.** Attachment 04 – Alternates

**END OF ADDENDUM NO. 4**



**LINK** – Post-Bid Addendum Narrative

5/1/23

- **Specs**
  - Re-issue 087100 Door Hardware
  - Re-issue 087100 Door Index
- **Civil**
  - C300
    - Revise southwest ADA ramp orientation.
- **Landscape**
  - L-101
    - Revise southwest ADA ramp orientation.
    - Extend sidewalk pattern through northwest trash room access area.
- **Electrical**
  - Re-Issue discipline set in its entirety.

**\*Included in this package are two documents outlining the changes from previous 087100 Door Hardware specifications. These documents outlining the changes are for reference only and do not relieve the contractor of the responsibility to carefully study and implement the contract documents.**

**Bold & Underline** indicated as new items.

~~Strikethrough~~ indicated as removed items.






PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.

8. ALL PROPOSED DRAINAGE AND STORM SEWER APPURTENANCES SHALL BE IN CONFORMANCE WITH CHAPTERS 400 AND 500 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.

**ABBREVIATIONS:**  
TC = TOP OF  
BC = BOTTOM  
TW = TOP OF  
BW = BOTTOM  
TR = TOP OF  
BR = BOTTOM  
ME = MATCH E  
TS = TOP OF



**Civil & Environmental Consultants, Inc.**

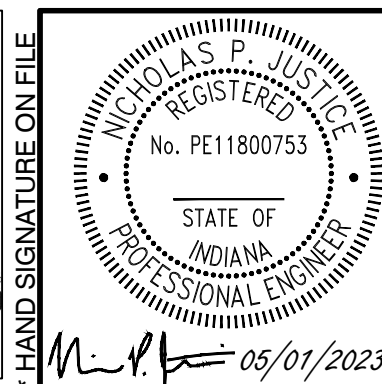
**BLACKLINE ARCHITECTS  
THE LINK  
921 VIRGINAIA AVENUE  
INDIANAPOLIS, INDIANA 46203**

## SITE GRADING AND DRAINAGE PLAN

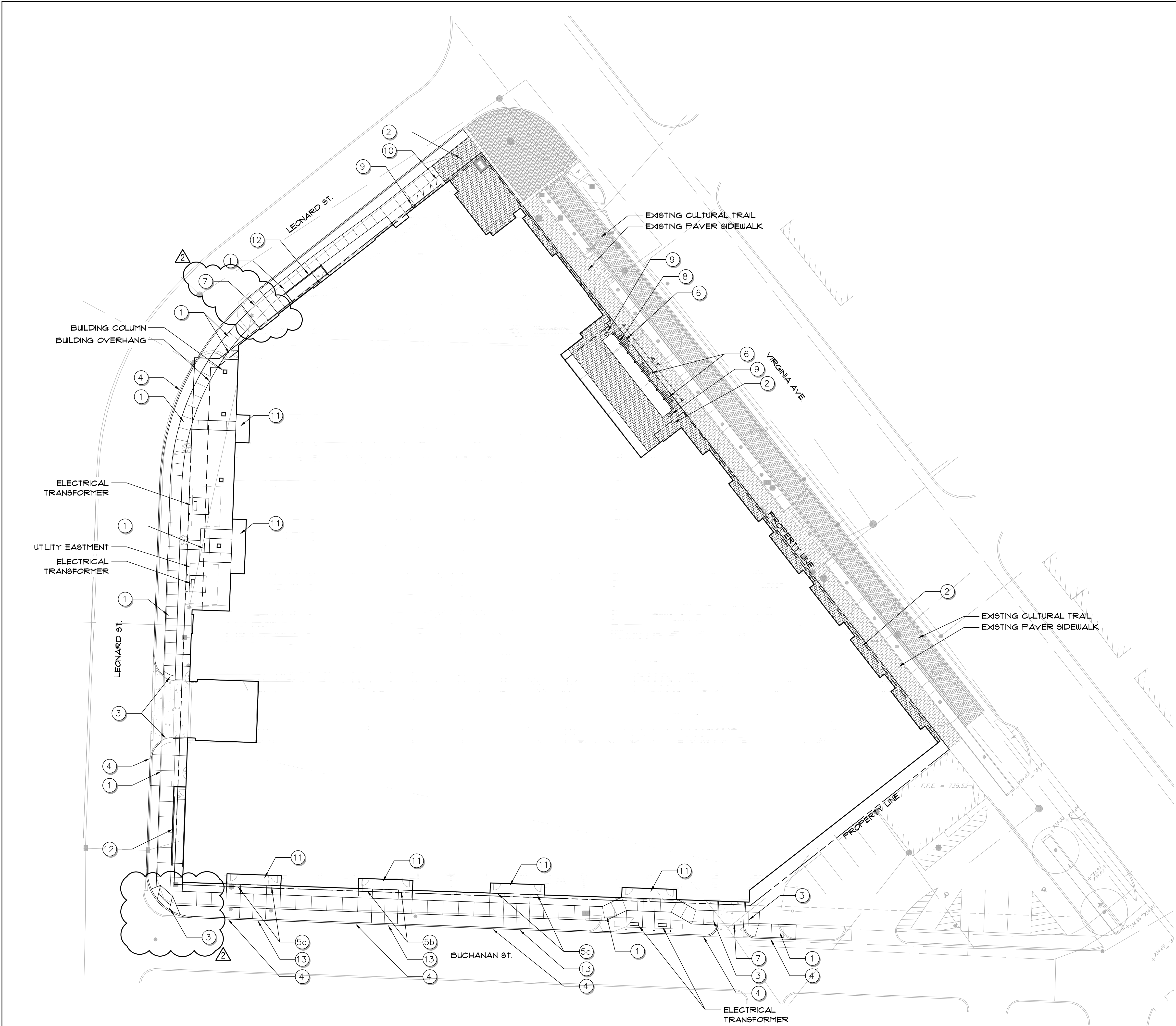
DRAFTING NO.

# C300

SHEET 4 OF 1







KEY NOTES

- 1 4" Concrete Sidewalk, Refer Civil Eng. Drawings.
- 2 Unit Pavers, Refer to Detail 1,2/L301
- 3 ADA Accessible Ramp, Refer Civil Eng. Drawings.
- 4 6" Concrete Curb, Refer Civil Eng. Drawings.
- 5a Concrete Steps and Handrail, Refer to Detail 3/L301
- 5b Concrete Step and Handrail, Refer to Detail 3/L301
- 5c Concrete Step and Handrail, Refer to Detail 3/L301
- 6 Bench, Refer to Detail 3/L303
- 7 6" Concrete Pavement, Refer Civil Eng. Drawings.
- 8 Fence, Refer to Detail 5/L301
- 9 Litter Receptacle, Refer to Detail 4/L303
- 10 Bike Rack, Refer to Detail 1/L303
- 11 Porch, Refer to Architectural Drawings.
- 12 Concrete Ramp & Handrails, Refer to Architectural Drawings.
- 13 Combined Curd & Walk, Refer Civil Eng. Drawings.

LANDSTORY

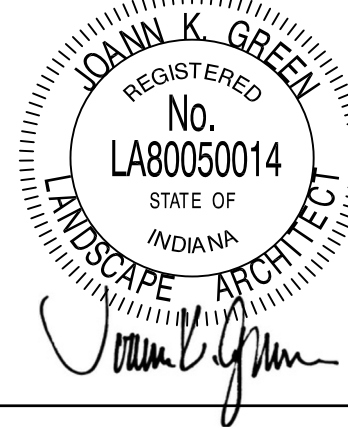
Landscape Architecture  
Planning  
Urban Design

1509 N. Alabama St.  
Indianapolis, Indiana 46202

317.951.0000 tel  
www.landstoryla.com

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Seal



Project

LINK

Owner

WC GPD Fountain Square, LLC  
350 Massachusetts Avenue  
Suite 400  
Indianapolis, IN 46204  
tel: 317-599-4200

Dates

April 4, 2023

#

Revision

Date

1

Addendum #2

4/14/23

2

Post Bid

5/1/23

Addendum

Project Manager

JG

Drawn

CM

Checked

JG

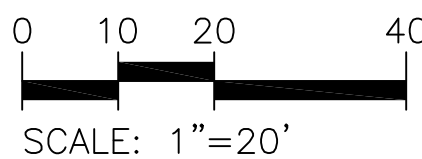
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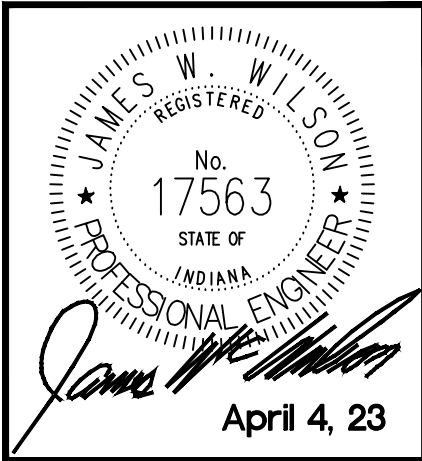
HARDSCAPE PLAN

Sheet

L-101







#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

ELECTRICAL NOTES, SCHEDULES AND SYMBOLS LEGEND

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E001

ELECTRICAL SYMBOLS

NOT ALL SYMBOLS MAY BE USED FOR THIS PROJECT.  
WP = WEATHERPROOF

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SWITCH: SINGLE POLE		120V SMOKE ALARM WITH BATTERY BACKUP, INTERCONNECTED WITH ALL OTHER 120V ALARM DEVICES LOCATED WITHIN A DWELLING UNIT
	SWITCH: THREE WAY		120V SMOKE ALARM AND STROBE WITH BATTERY BACKUP, INTERCONNECTED WITH ALL OTHER 120V ALARM DEVICES LOCATED WITHIN A DWELLING UNIT
	SWITCH: FOUR WAY		120V SMOKE ALARM AND C.O. ALARM WITH BATTERY BACKUP, INTERCONNECTED WITH ALL OTHER 120V ALARM DEVICES LOCATED WITHIN A DWELLING UNIT
	SWITCH: WALL OCCUPANCY SENSOR		120V SMOKE ALARM, C.O. ALARM AND STROBE WITH BATTERY BACKUP, INTERCONNECTED WITH ALL OTHER 120V ALARM DEVICES LOCATED WITHIN A DWELLING UNIT
	SWITCH: OCCUPANCY SENSOR OVERRIDE		120V STROBE WITH BATTERY BACKUP, INTERCONNECTED WITH ALL OTHER 120V ALARM DEVICES LOCATED WITHIN A DWELLING UNIT
	SWITCH: DIMMER		FIRE ALARM SYSTEM: DETECTOR X = TYPE S, 300K; H = HOT T, 1 - LOW TEMPERATURE D = SMOKE LOCATED IN RETURN AIR DUCT; MC = MULTI-CRITERIA
	SWITCH: CEILING FAN CONTROLLER		FIRE ALARM SYSTEM: HORN AND STROBE WP = WEATHERPROOF
	SWITCH: TIMER		FIRE ALARM SYSTEM: STROBE
	CEILING OCCUPANCY SENSOR		FIRE ALARM SYSTEM: PULL STATION
	RECEPTACLE: 120V DUPLEX		FIRE ALARM SYSTEM: TAMPER SWITCH MONITOR MODULE
	RECEPTACLE: 120V DUPLEX GFCI PROTECTED		FIRE ALARM SYSTEM: FLOW SWITCH MONITOR MODULE
	RECEPTACLE: 120V DUPLEX GFCI PROTECTED EXTERIOR RATED WITH WEATHERPROOF IN-USE COVER		FIRE ALARM SYSTEM: CONTROL RELAY
	RECEPTACLE: 120V DUPLEX WITH TYPE-A AND TYPE-C CHARGING, PROVIDE GFCI PROTECTION IF SHOWN		FLOOR BOX: 120V DUPLEX RECEPTACLE
	RECEPTACLE: INSTALLED AT COUNTER HEIGHT (TYPICAL)		FLOOR BOX: 120V DUPLEX RECEPTACLE AND (2) CAT6 TO NEAREST IT ROOM
	RECEPTACLE: DOUBLE 120V DUPLEX (2x24)		RECEPTACLE: DUPLEX LOWER HALF SWITCHED
	FLOOR BOX: 120V DUPLEX RECEPTACLE		D = RECEPTACLE: SINGLE DEDICATED CIRCUIT FOR MICROWAVE, LOCATE IN UPPER CABINET
	FLOOR BOX: 120V DUPLEX RECEPTACLE AND (2) CAT6 TO NEAREST IT ROOM		RECEPTACLE: 120/208-240V 4-WIRE 50-60 AMP RATED
	RECEPTACLE: DUPLEX LOWER HALF SWITCHED		SERVICE DISCONNECT: NON-FUSED
	RECEPTACLE: DUPLEX LOWER HALF SWITCHED		SERVICE DISCONNECT: FUSED
	LDP: PRIMEX 128-1744 LV PANEL WITH 13A 120V SURGE PROTECTIVE DUPLEX RECEPTACLE (SSW0909) (1) CAT6 TO NEAREST IT ROOM. TERMINATE ALL CAT6 CABLES WITH RJ45 MODULAR PLUG.		ELECTRICAL LOAD CENTER
	FUTURE DUAL EV CHARGING STATION BY OTHERS		JUNCTION: IN EQUIPMENT OR INSTALL JUNCTION BOX WITH COVER (IF REQUIRED).
	DATA OUTLET: (1) CAT6 TO USP WITHIN UNIT		DATA OUTLET: (1) CAT6 TO NEAREST IT ROOM
	DATA OUTLET: (1) CAT6 TO NEAREST IT ROOM		DATA OUTLET: (1) CAT6 TO NEAREST IT ROOM
	CEILING MOUNT WIRELESS ACCESS POINT: (1) CAT6 TO NEAREST IT ROOM FOR WIRELESS ACCESS POINT, WIRELESS ACCESS POINT BY E.C.		WALL MOUNT TV LOCATION: 120V DUPLEX RECEPTACLE FED FROM LOCAL RECEPTACLE CIRCUIT AND (1) CAT6
	SECURITY CAMERA: TYPE IP, (1) CAT6 TO NEAREST IT ROOM		

GENERAL ELECTRICAL NOTES

- WORK SHALL INCLUDE STARTUP OF ALL SYSTEMS, FURNISHING OF OPERATING AND MAINTENANCE INSTRUCTIONS AND ONE-YEAR GUARANTEE COMMENCING ON DATE OF PROJECT ACCEPTANCE.
- VERIFY LOCAL CONDITIONS AT SITE.
- ELECTRICAL DESIGN BASED ON THE 2009 INDIANA ELECTRICAL CODE. COMPLY WITH ALL APPLICABLE CODES.
- SECURE AND PAY FOR ALL REQUIRED PERMITS AND SUPPLY TO G.C. PRIOR TO STARTING OF WORK.
- ALL BRANCH CIRCUITS TO BE COPPER. WIRING IN CONSTRUCTION TYPE I-A TO BE TYPE M.C. OR OTHER APPROVED TYPE. PROTECT WITH CONDUIT IN EXPOSED AREAS. WIRING IN CONSTRUCTION TYPE V-A TO BE TYPE N.M. OR OTHER APPROVED TYPE. PROTECT WITH CONDUIT IN EXPOSED AREAS.
- ALL ELECTRICAL AND DATA DEVICES AND COVER PLATES TO BE WHITE FINISH, UNLESS NOTED OTHERWISE IN ARCHITECTURAL DRAWINGS WHEN MOUNTED TO SPECIALTY FINISHES (DARK WALLS, CABINETRY, ETC.).
- IDENTIFY AND LABEL ALL ELECTRICAL SERVICE EQUIPMENT. PROVIDE AND INSTALL ENGRAVED LABELS WITH UNIT NUMBERS ON ALL EXTERIOR DISCONNECTS AND ELECTRICAL METERS. PROVIDE AND INSTALL TYPE WRITTEN PANEL DIRECTORIES INSTALLED IN PLASTIC SLEEVES.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED 120V POWER TO LOW VOLTAGE PROVIDER EQUIPMENT, NETWORK ACCESS CONTROL EQUIPMENT, CAMERA EQUIPMENT, FIRE ALARM EQUIPMENT AS NEEDED.

GENERAL LOW VOLTAGE SYSTEMS NOTES

- CONNECT TELEPHONE AND TELEVISION SYSTEMS PER LOCAL UTILITY REQUIREMENTS. VERIFY LOCATIONS AND TYPE OF EQUIPMENT REQUIRED WITH ARCHITECT AND OWNER. SITE DISTRIBUTION BY OTHERS.
- FOR FIRE ALARM SYSTEM, PROVIDE EQUIPMENT, CABLING, RACEWAY/CONDUITS, CABLING BOXES AND TERMINATIONS FOR A COMPLETE SYSTEM. PROVIDE MONITORING OF SPRINKLER EQUIPMENT AND PIV SWITCHES AS NEEDED. VERIFY LOCATIONS WITH F.P.C. AND G.C.. PRIMARY MEANS OF COMMUNICATION WITH ALARM COMPANY TO BE THE INTERNET. SECONDARY MEANS TO BE CELLULAR. PROVIDE AND INSTALL CELL DIALER AT MAIN FIRE ALARM PANEL. INTERNET SERVICE PROVIDED BY OWNER. FIRE ALARM SYSTEM TO BE INTEGRATED WITH THE ACCESS CONTROL SYSTEM. ENGINEERED FIRE ALARM DRAWINGS TO BE SUBMITTED TO STATE AFTER AWARD OF PROJECT. MONITORING SERVICE BY OTHERS.
- FOR SECURITY CAMERA SYSTEM, PROVIDE EQUIPMENT, NETWORK SWITCHES, CABLING, RACEWAY/CONDUITS, CABLING BOXES AND TERMINATIONS FOR A COMPLETE SYSTEM FOR UP TO 32 CAMERAS.
- FOR ACCESS CONTROL AND CALL BOX SYSTEMS, PROVIDE EQUIPMENT, RACEWAY/CONDUITS, CABLING, BOXES AND TERMINATIONS FOR A COMPLETE SYSTEM. INTERNET AND PHONE SERVICES BY OWNER. PROVIDE A SYSTEM FOR NO LESS THAN 500 USERS. PROVIDE 500 KEY FOBs FOR PROJECT. DOOR STRIKES PROVIDED, INSTALLED AND ADJUSTED BY OTHERS. FINAL CONNECTIONS BY SYSTEMS CONTRACTOR. SYSTEMS CONTRACTOR RESPONSIBLE FOR INTEGRATION OF THE ACCESS CONTROL SYSTEM WITH THE FIRE ALARM SYSTEM.

LIGHTING SCHEDULE

SEE ARCHITECTURAL DRAWINGS FOR LIGHTING FIXTURE ELEVATIONS  
NL = NIGHT LIGHT, 24/7 OPERATION  
WP = WEATHERPROOF

APARTMENT UNITS			
TYPE	MANUFACTURER AND MODEL NUMBER	MOUNTING	LOCATION / NOTES
A	LITELINE DL4-12W-WHITE FAUX CAN LIGHT	SURFACE	UNIT KITCHEN / HALLWAY / BATHROOM
B	JESCO MCMA98RA-15R 15" LED ROUND W/ SLIM ALUMINUM DIE-CAST TRIM	SURFACE	ENTRY / LIVING ROOM / BEDROOM
C	DANKOLITE CVT-2412LEDW-MB 12W	WALL	UNIT BATHROOM VANITY CENTER FIXTURE OVER SINK AND MIRROR MOUNT AT 6" AFF TO CENTER OF FIXTURE
D	DANKOLITE 150SP-BK	PENDANT	UNIT KITCHEN ISLAND INSTALL BOTTOM OF PENDANT AT 6" AFF
F	CANARM KIT OUTDOOR - LCL288BK	WALL	EXTERIOR COACH MOUNT AT 6" AFF TO CENTER OF FIXTURE
G	DANKOLITE TOPAZ LED WALL LIGHT - TOP 65LEDW-MB	WALL	COMMON HALLWAY ENTRY MOUNT AT 6" AFF TO CENTER OF FIXTURE. FEED FROM LOCATE COMMON HALLWAY CIRCUIT TO BE ON 24/7
COMMON AREAS			
C1	RAB: T5LED4-36ND10E2	SURFACE	STAIRWELL
C2	RAB: GU54-50NWD10	SURFACE	STORAGE AREAS / ELEVATOR
C2E	RAB: GU54-50NWD15E2	SURFACE	STORAGE AREAS EMERGENCY LIGHTING
C3	RAB: SHARKA-50NW-D10	SURFACE	UTILITY AREAS
C4	RAB: SR4 / SR V400K KIT	SUSPENDED	RETAIL SPACES
C5	RAB: SLAB2IN USA	WALL	EXTERIOR ENTRANCE
EM	EXTRONIX: LED-52-WH	WALL / CEILING	EMERGENCY LIGHTING - INTERIOR DAMP LOCATION RATED
EM WP	EXTRONIX: CP-EMW-8-LED-SA	WALL / CEILING	EMERGENCY LIGHTING - EXTERIOR WET LOCATION RATED
EX	EXTRONIX: ELX-R-EM-WH	WALL / CEILING	EXIT SIGN - INTERIOR DAMP LOCATION RATED
EX WP	EXTRONIX: VEX-WP-1-WB-WH	WALL / CEILING	EXIT SIGN - EXTERIOR WET LOCATION RATED
EXEM	EXTRONIX: CLED-5-WH	WALL / CEILING	EXIT SIGN WITH EMERGENCY LIGHTING - INTERIOR - DAMP LOCATION RATED
EXEM WP	EXTRONIX: VEX-WPC-1-R-WH	WALL / CEILING	EXIT SIGN WITH EMERGENCY LIGHTING - EXTERIOR - WET LOCATION RATED
RM	EXTRONIX: MLED2-G-WP	WALL / CEILING	REMOTE EXRESS EMERGENCY LIGHTING WET LOCATION RATED
COMMON AREAS - INTERIOR DESIGN			
LT1	CANARM LED DISC LIGHT, 7.2" DIA., 3000K, WHITE (DL 6-150CF-WH)	SURFACE	
LT2	PRESOLITE LITESTRY 6" DIA. ROUND CYLINDER, SURFACE MOUNT, WHITE (LT-C-BRD-S)	SURFACE	
LT3	PRESOLITE LITESTRY 6" DIA. ROUND CYLINDER, PENDANT MOUNT, WHITE (LT-C-BRD-P)	PENDANT	
LT4	SONNEMAN KEEL LED 44" PENDANT, BLACK (3826-25)	WALL	
LT5	SONNEMAN KEEL LED 60" PENDANT, BLACK (3828-25)	SURFACE	
LT6	8" BELL ALUMINUM SHADE WITH SOLITE LENS, 30" CURVE ARM, MIDNIGHT BLUE	SURFACE	
LT7	8" BELL ALUMINUM SHADE WITH SOLITE LENS, 18" CURVE ARM, MIDNIGHT BLUE	SURFACE	
LT8	DANKOLITE TOPAZ LED WALL LIGHT, BLACK (TOP-50LEDW-MB)	SURFACE	
LT9	LITELINE DELTA LED TRACK FIXTURE, WHITE	TRACK	
LT10	DALS LIGHTING LYRA 24"W VANTY WALL SCONCE, BLACK (LEDVAN003-CC-24)	WALL	
LT11	CDS LIGHTING BUBBA PENDANT "9", WHITE (BUBBA-P-45UV)	WALL	
LT13	DANKOLITE CRAWFORD 18" D GLASS SURFACE MOUNT, SMOKE GLASS (D45LEDPH18-5M-MB)	WALL	
LT14	JESCO 15" LED ROUND SURFACE MOUNT WITH SLIM ALUMINUM DIE-CAST TRIM, 3000K, WHITE (MCMA98RA-15R)	SURFACE	
LT15	STRUCTURA VOLTA RING PENDANT, 48" DIA., BLACK	PENDANT	
LT16	STRUCTURA VOLTA RING PENDANT, 24" DIA., BLACK	PENDANT	
LT17	STRUCTURA VOLTA RING PENDANT, 72" DIA., BLACK	PENDANT	
LT18	LITELINE LUNA 4" ROUND GIMBAL RECESSED LIGHT, OUTDOOR RATED, BLACK (R64-12G-30K-60BK)	RECESSED	
GARAGE			
G1	2X4 LAY-IN, 40W, 4000K	LAY-IN	
G1E	2X4 LAY-IN WITH BATTERY BACKUP, 40W, 4000K	LAY-IN	EMERGENCY LIGHTING
G2	GARAGE WIDE WITH BI-LEVEL DIMMING, 40 50W, 4000K	PENDANT	
G2E	GARAGE WIDE WITH BATTERY BACKUP AND BI-LEVEL DIMMING, 40-50W, 4000K	PENDANT	EMERGENCY LIGHTING
SITE			
S1	DUAL HEAD POLE LIGHT 4000K	POLE	DUAL HEAD SITE

CONDUCTOR SIZES

UNLESS OTHERWISE NOTED

RATING OR SETTING OF AUTOMATIC OVERCURRENT DEVICE IN (AMPERES)	MINIMUM SIZE (AWG OR KCMIL) COPPER	MINIMUM SIZE (AWG OR KCMIL) ALUMINUM OR COPPER-CLAD ALUMINUM
15	14	X
20	12	X
25	10	X
30	10	X
40	8	X
50	6	X
125	1	2/0
150	1/0	3/0
200	3/0	250
225	4/0	300

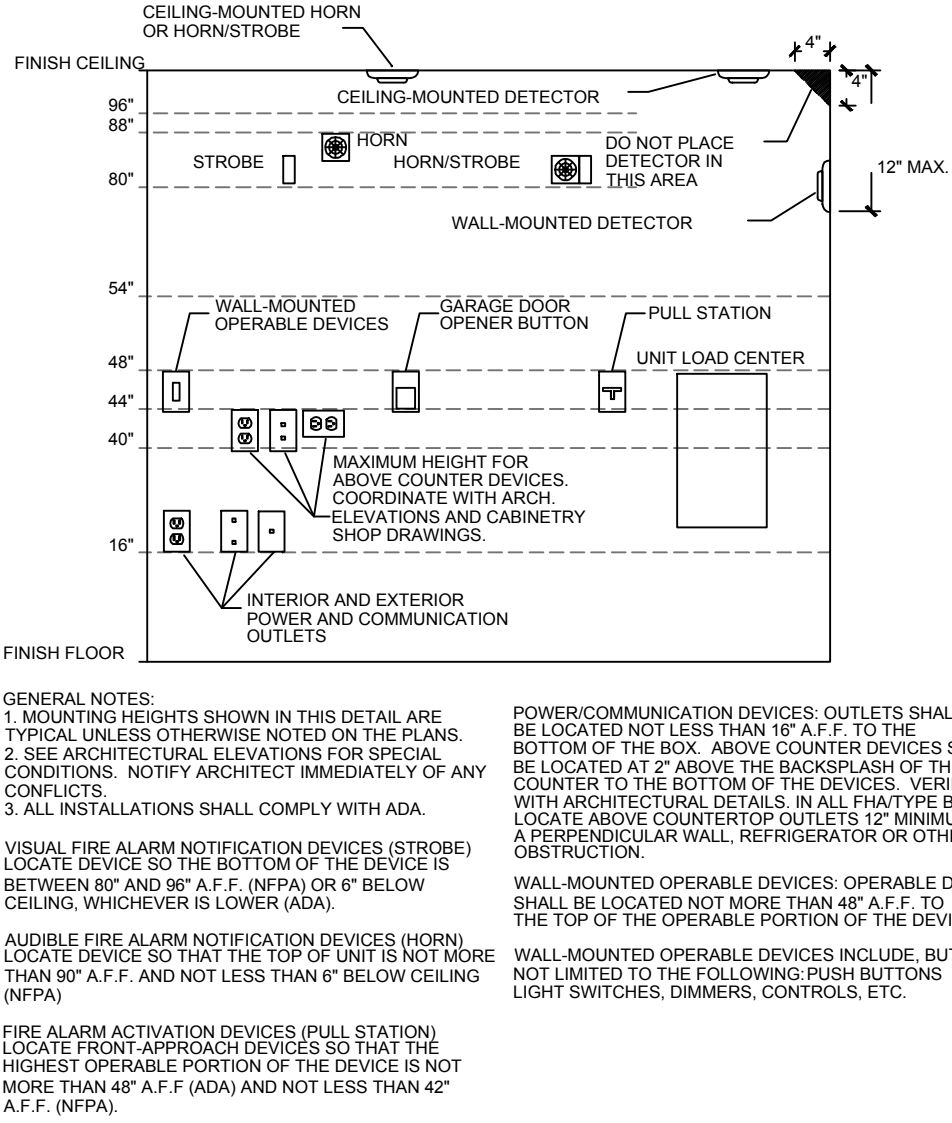
NOTE: SIZE ALL CONDUCTORS BASED ON ALL N.E.C. REQUIREMENTS INCLUDING THOSE FOR VOLTAGE DROP, ADJUSTMENTS AND CORRECTIONS.

DRAWING INDEX

- E001 ELECTRICAL NOTES, SCHEDULES AND SYMBOLS LEGEND
- E100A AREA A - BASEMENT ELECTRICAL PLAN
- E100B AREA B - BASEMENT ELECTRICAL PLAN
- E101A AREA A - FIRST FLOOR ELECTRICAL PLAN
- E101B AREA B - FIRST FLOOR ELECTRICAL PLAN
- E101.1A AREA A - MEZZANINE ELECTRICAL PLAN
- E101.1B AREA B - MEZZANINE ELECTRICAL PLAN
- E102A AREA A - SECOND FLOOR ELECTRICAL PLAN
- E102B AREA B - SECOND FLOOR ELECTRICAL PLAN
- E103A AREA A - THIRD FLOOR ELECTRICAL PLAN
- E103B AREA B - THIRD FLOOR ELECTRICAL PLAN
- E104A AREA A - FOURTH FLOOR ELECTRICAL PLAN
- E104B AREA B - FOURTH FLOOR ELECTRICAL PLAN
- E105A AREA A - FIFTH FLOOR ELECTRICAL PLAN
- E105B AREA B - FIFTH FLOOR ELECTRICAL PLAN
- E106A AREA A - ROOF ELECTRICAL PLAN
- E106B AREA B - ROOF ELECTRICAL PLAN
- E201 UNIT TYPES '0A', '0B', '0C', '0D', '0E' AND '0F' ELECTRICAL PLANS
- E202 UNIT TYPES '0G', '0H', '0J', '1A', '1B' AND '1C' ELECTRICAL PLANS
- E203 UNIT TYPES '1D', '1E', '1F', '1G', '1H' AND '1J' ELECTRICAL PLANS
- E204 UNIT TYPES '1K', '1L', '1M', '1N', '2A' AND '2B' ELECTRICAL PLANS
- E205 UNIT TYPES '2C', '2D', '2E', '2F' AND '2G' ELECTRICAL PLANS
- E501 FIRST FLOOR LOBBIES AND AMENITY AREAS - ELECTRICAL PLANS
- E502 SECOND FLOOR AMENITY AREAS - ELECTRICAL PLANS
- E601 ELECTRICAL PANEL SCHEDULES
- E602 ELECTRICAL LOAD CALCULATIONS
- E901 ELECTRICAL METER CENTER DETAILS

MOUNTING HEIGHTS

SCALE: N.T.S.







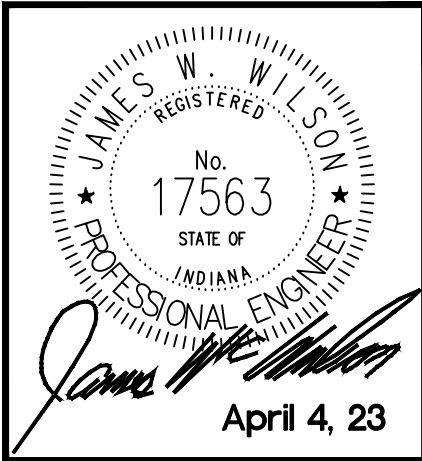
**1 AREA A - BASEMENT ELECTRICAL PLAN**  
SCALE: 3/32" = 1'-0"

**GENERAL COMMON AREA NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PH SWITCH (IF REQUIRED). PH SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

**KEY COMMON AREA NOTES**

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR OF AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECT (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16.5" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
27. SPLIT UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
28. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
29. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
30. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
31. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
32. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

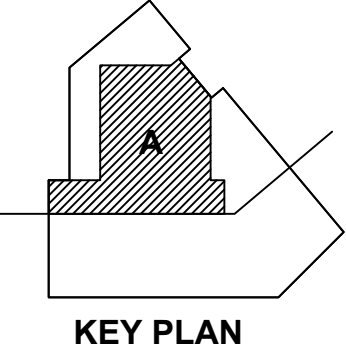
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA A - BASEMENT ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

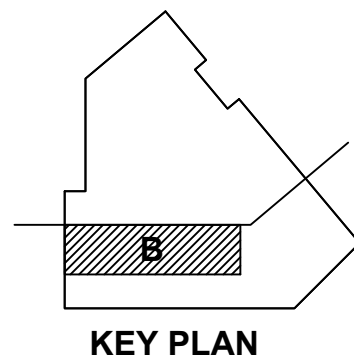
DATE: 4/4/23

SHEET NO. E100A





1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY." MONITORING RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PIV SWITCH (IF REQUIRED). PIV SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS REQUIRED. VERIFY LOCATIONS WITH FPC.

[illegible]

SCALE: 3/32" = 1'-0"



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

**LINK**

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

**AREA B - BASEMENT ELECTRICAL PLAN**

100% CONSTRUCTION DOCUMENTS

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DATE: 4/4/23

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SHEET NO.

**E100B**





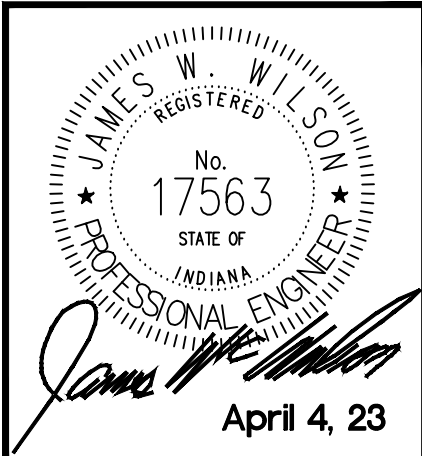
**1 AREA A - FIRST FLOOR ELECTRICAL PLAN**  
SCALE: 3/32" = 1'-0"

**GENERAL COMMON AREA NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLS CIRCUIT.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 2' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "AUGER" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PIR SWITCHES (IF REQUIRED). PIR SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

**KEY COMMON AREA NOTES**

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FORMER AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECT (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" 9" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

**LINK**

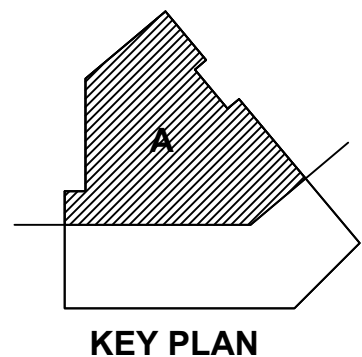
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

**AREA A - FIRST FLOOR ELECTRICAL PLAN**

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. **E101A**



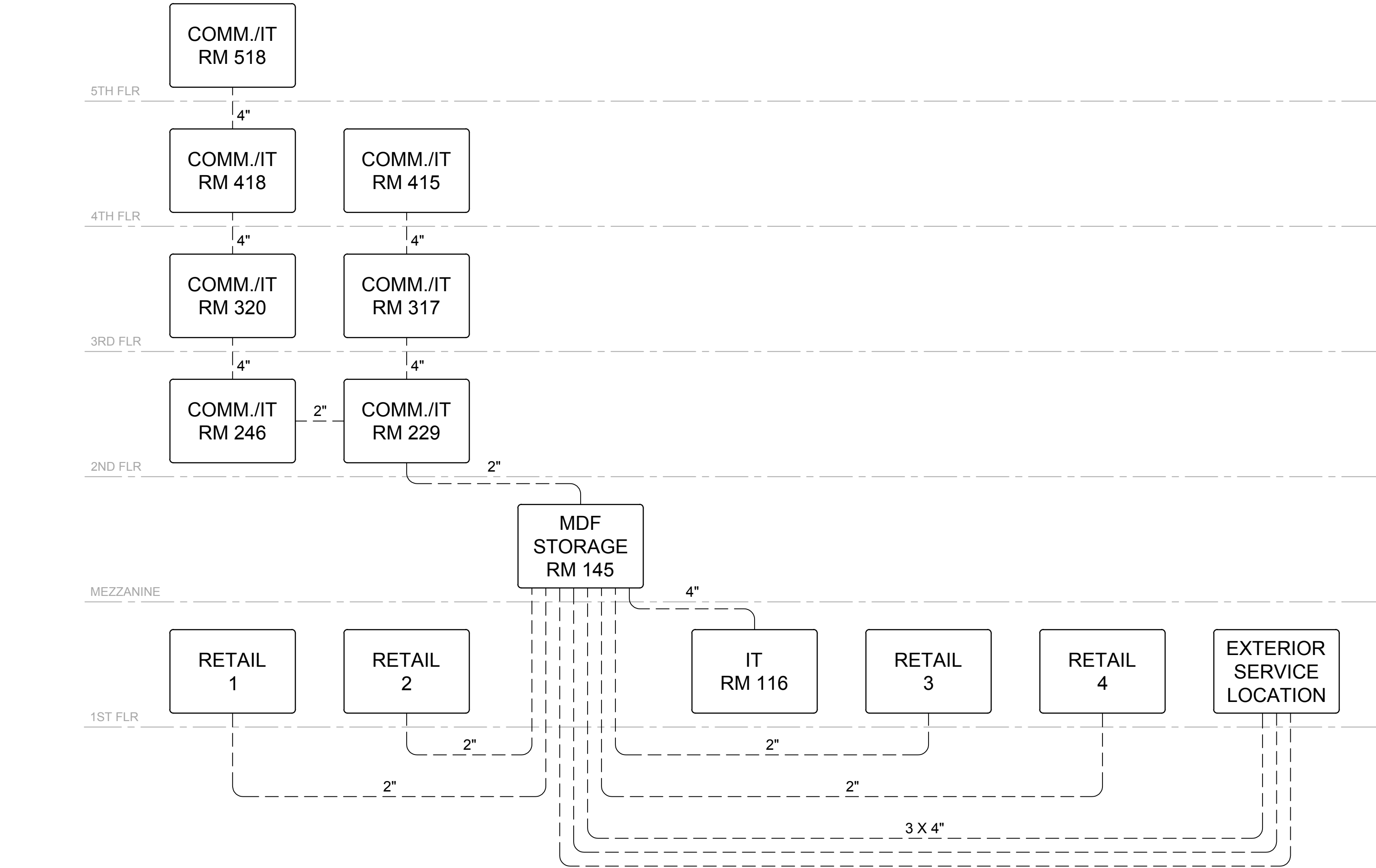


GENERAL COMMON  
AREA NOTES

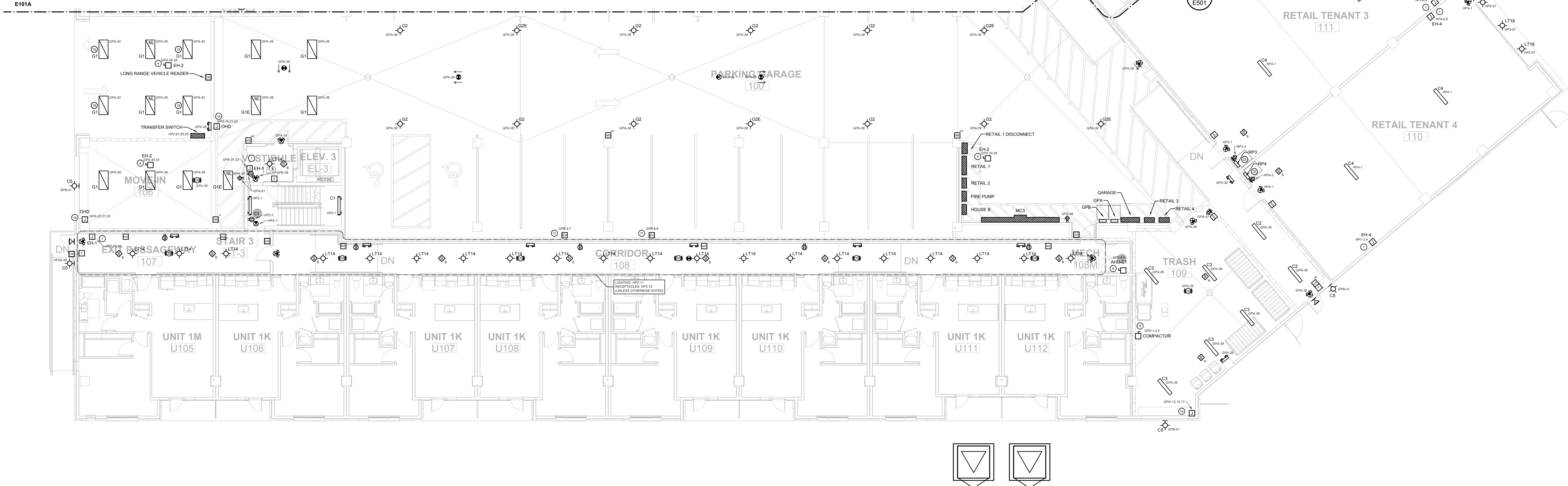
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "NUSE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "STORM-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF 20' SWITCH IF REQUIRED. PIV SWITCH PROVIDED. INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

KEY COMMON AREA NOTES

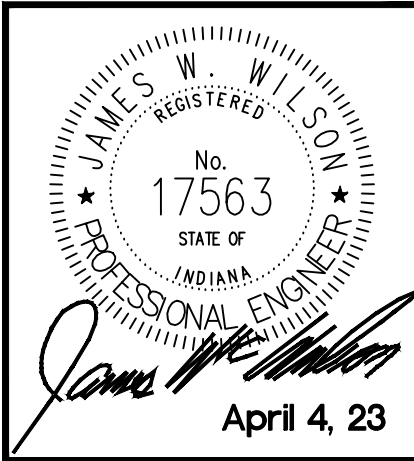
1. ELECTRIC HEATER BY M.C. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT IF SHOWN, AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
3. EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
4. ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
5. CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLLER FOR OPERATION.
16. FOR MEZ AREA PROVIDE (1) 48 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR RD AREA PROVIDE (1) 48 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS IF REQUIRED. MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. ISDN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT IF REQUIRED.
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLING AND CARD READER FOR ELEVATOR LAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



2 LOW VOLTAGE CONDUIT LAYOUT PLAN  
SCALE: N.T.S.



1 AREA B - FIRST FLOOR ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

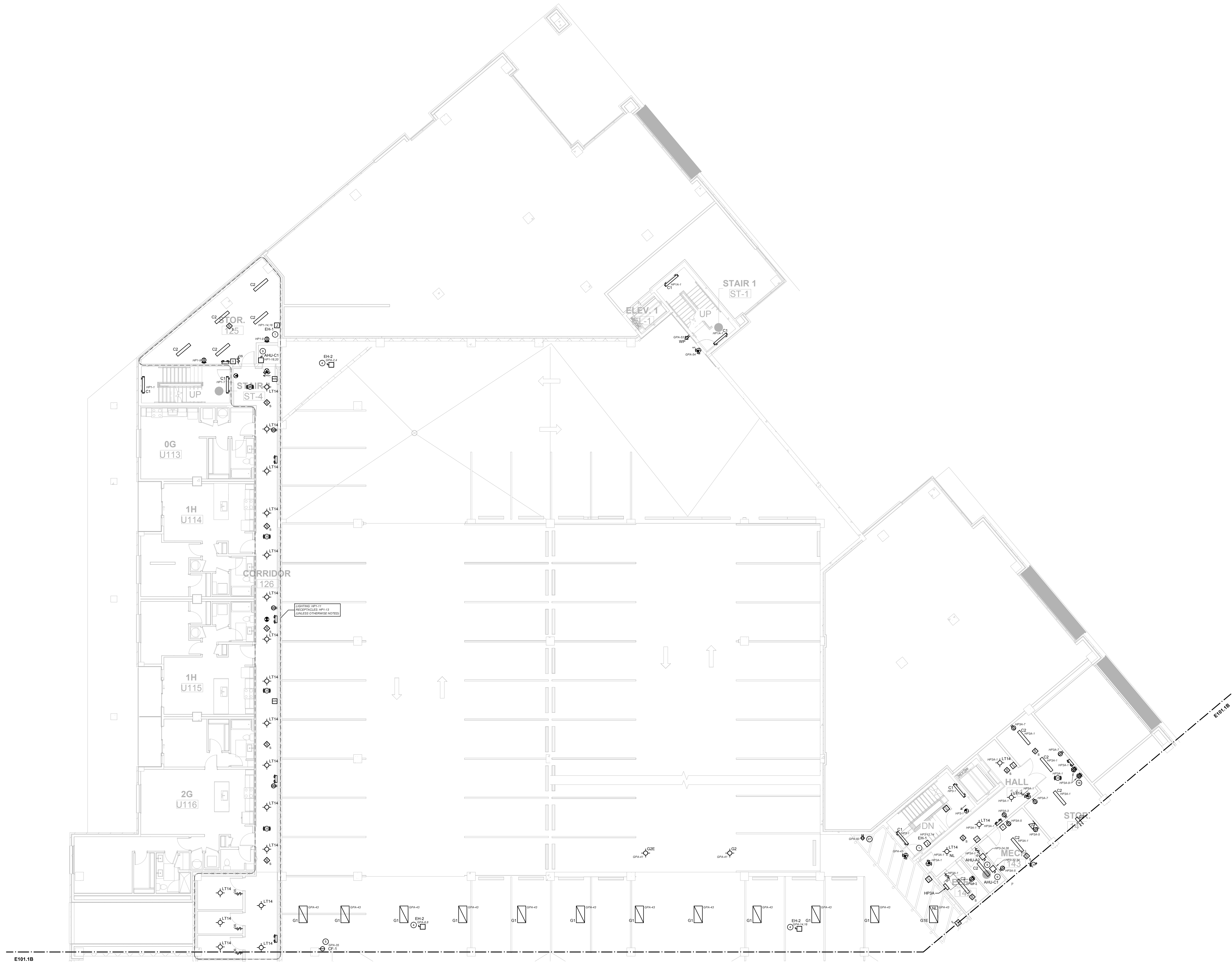
AREA B - FIRST FLOOR ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E101B





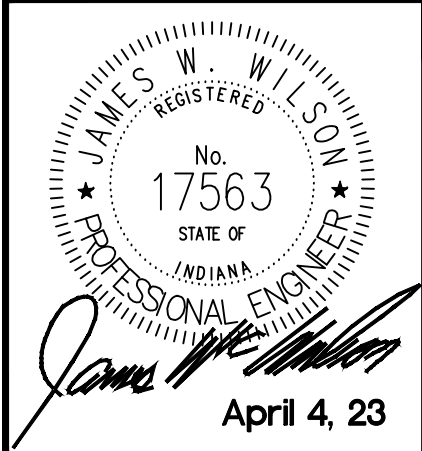
**1 AREA A - MEZZANINE ELECTRICAL PLAN**  
SCALE: 3/32" = 1'-0"

**GENERAL COMMON  
AREA NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND IRIGS ARE CONTROLLED BY PHOTOCELL UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "A-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PIR SWITCHES IF REQUIRED. PIR SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

**KEY COMMON AREA NOTES**

1. ELECTRIC HEATER BY M.C. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR ID AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECT (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16.5" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



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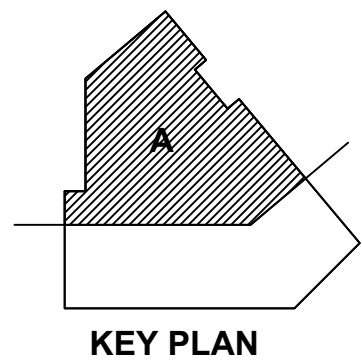
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA A - MEZZANINE ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E101.1A



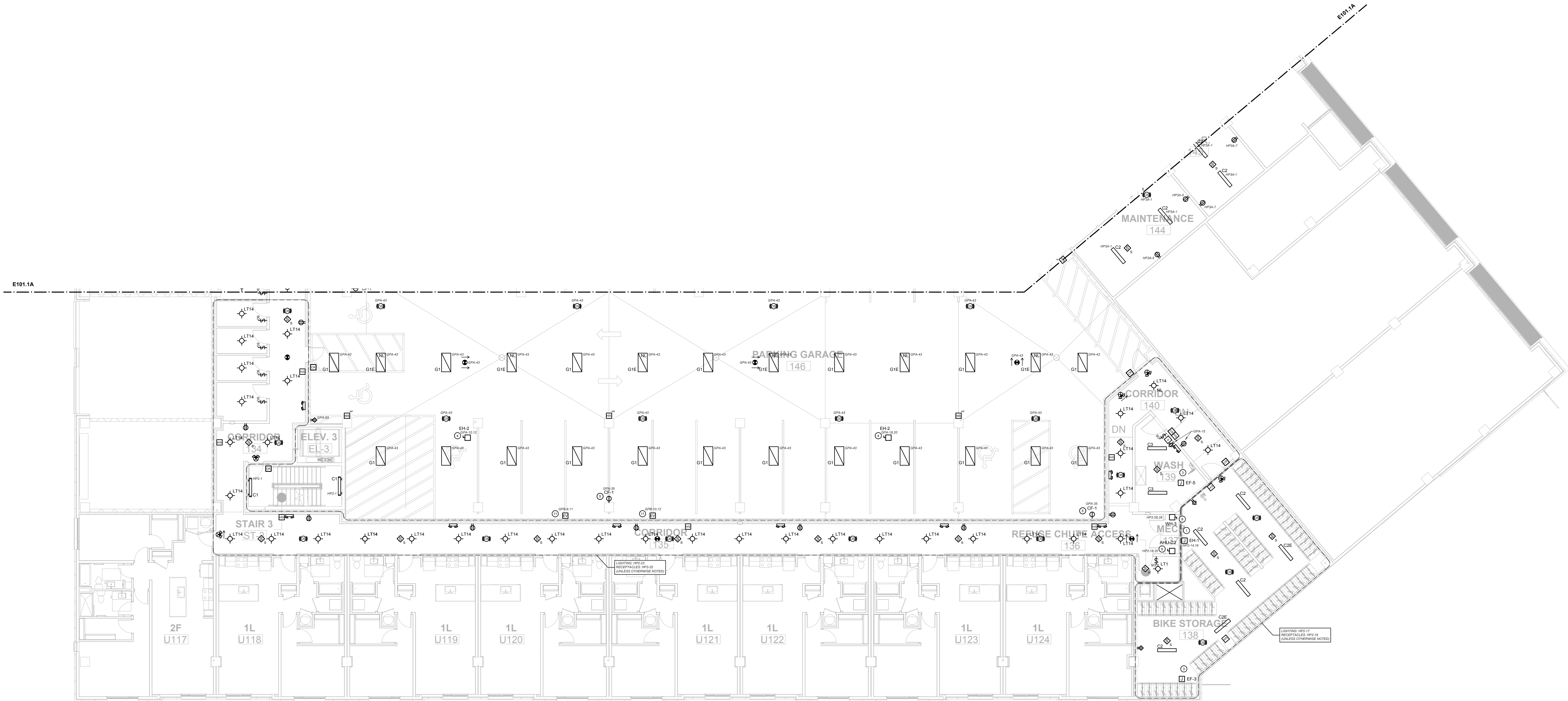


GENERAL COMMON  
AREA NOTES

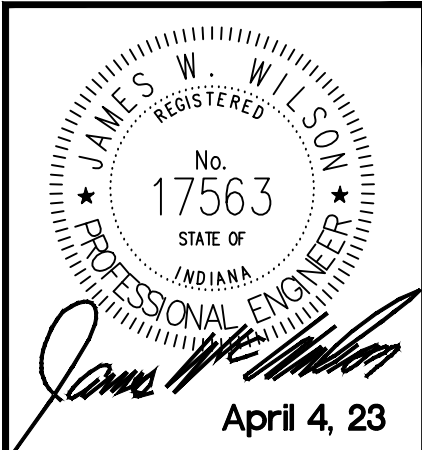
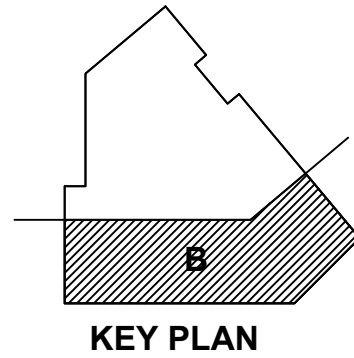
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNALS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "WUGS" STYLE WEATHER PROOF COVERS IDENTIFIED AS "STORM-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF 20 AMP SWITCH IF REQUIRED. PIV SWITCH PROVIDED. INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH IPC.

KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
5. CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLLER FOR OPERATION.
16. FOR MDF AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR IDF AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. ISDN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT IF REQUIRED.
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



1 AREA B - MEZZANINE ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA B - MEZZANINE ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E101.1B

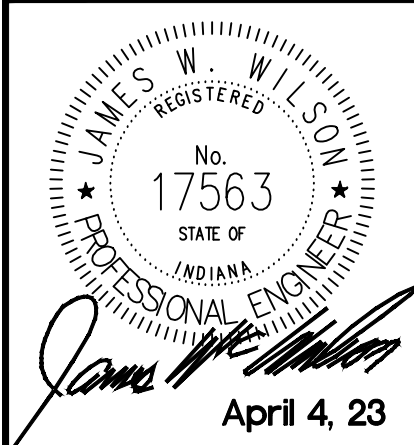


GENERAL COMMON  
AREA NOTES

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND BEAMS CONTROLLED BY PHOTOCELL UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "AUGER" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PIV SWITCHES (IF REQUIRED). PIV SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD. (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
17. FOR UP AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD. (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECT (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" 9" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



# REVISION DATE

1 Post-Bid Addendum #4 5/1/23

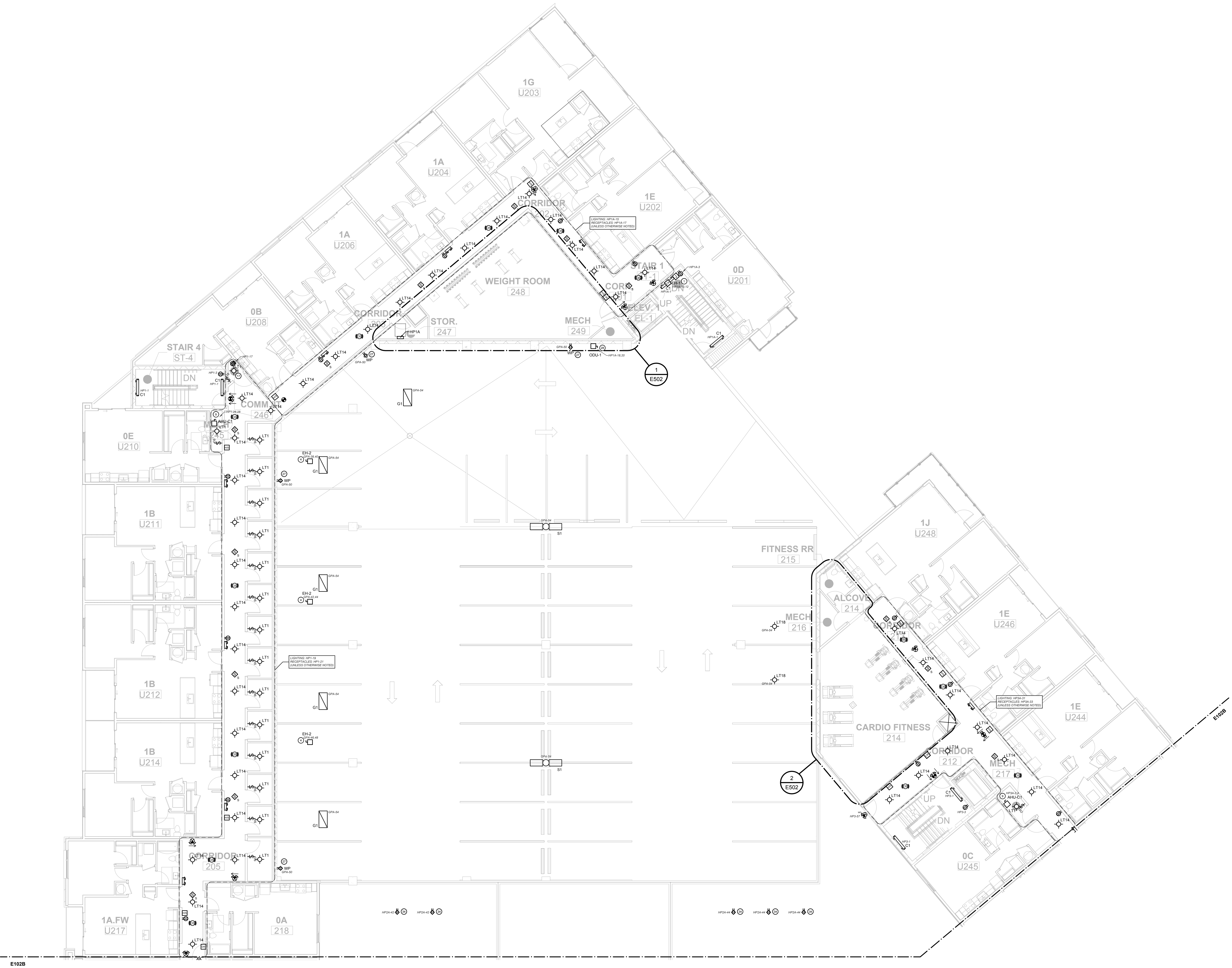
LINK  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203  
AREA A - SECOND FLOOR ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

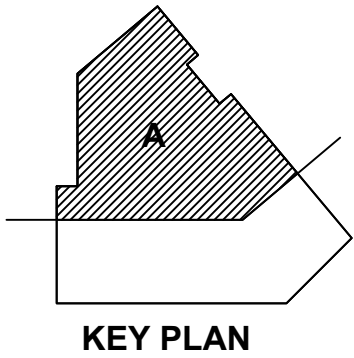
DATE: 4/4/23

SHEET NO.

E102A



1 AREA A - SECOND FLOOR ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



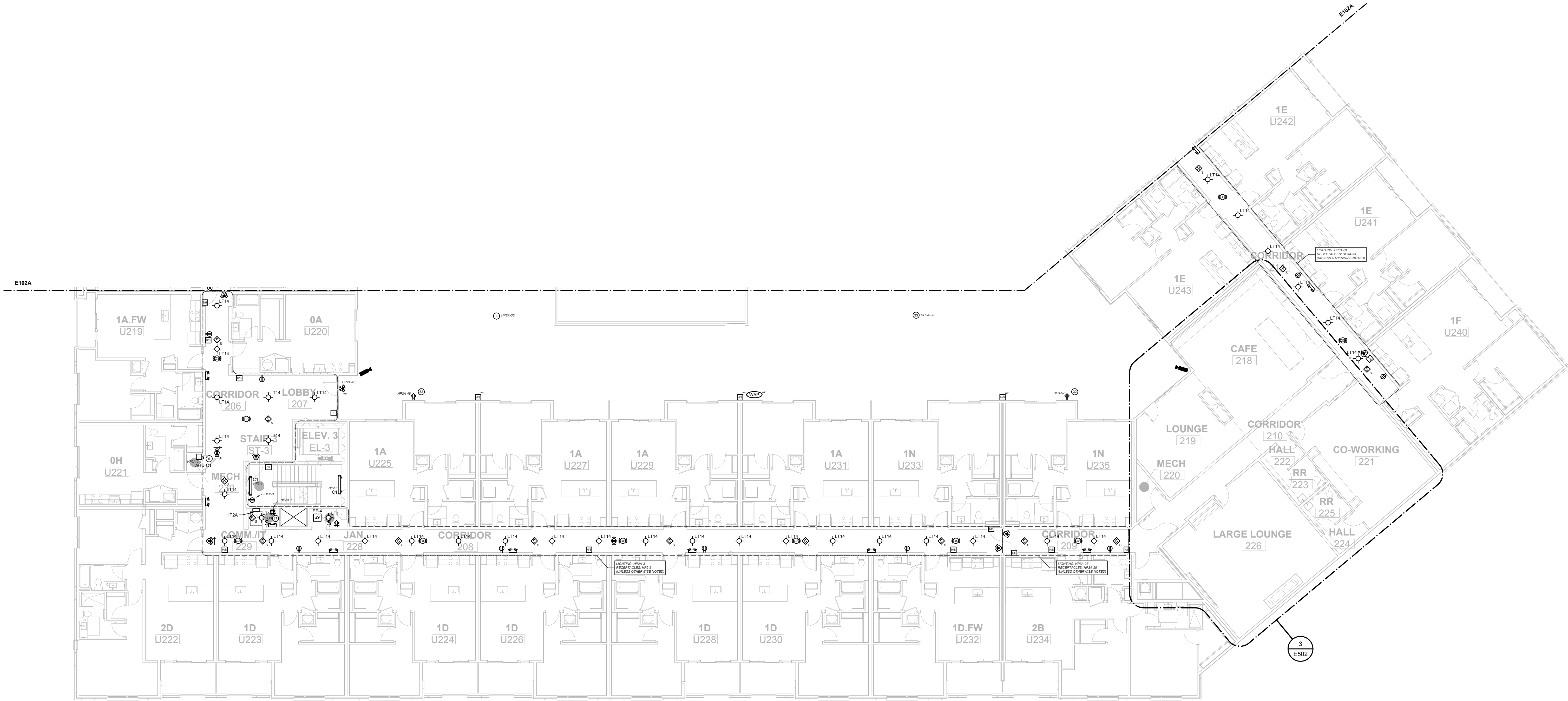


GENERAL COMMON  
AREA NOTES

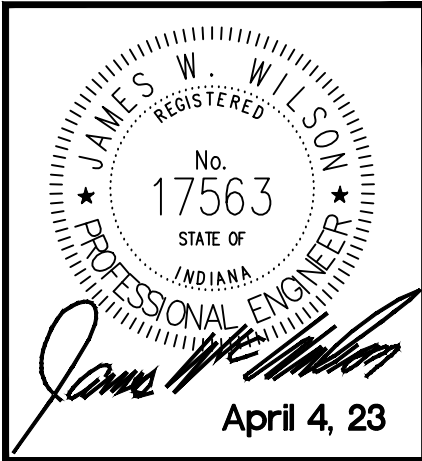
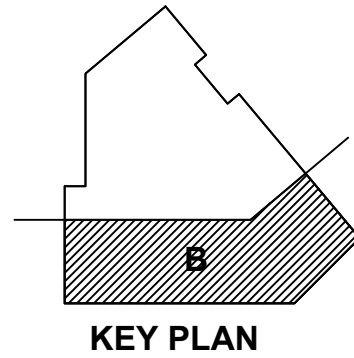
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "NUAGE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "STORM-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF 20' SWITCH IF REQUIRED. PIV SWITCH PROVIDED. INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH IPC.

KEY COMMON AREA NOTES

- ① ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
- ② EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
- ③ EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
- ④ ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
- ⑤ CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
- ⑥ TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ⑦ EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ⑧ WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ⑨ FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
- ⑩ BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
- ⑪ FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
- ⑫ PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
- ⑬ PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
- ⑭ GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
- ⑮ LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLLER FOR OPERATION.
- ⑯ FOR MDF AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
- ⑰ FOR IDF AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
- ⑱ FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS IF REQUIRED. MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
- ⑲ FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
- ⑳ NOT USED. ISDN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
- ㉑ NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
- ㉒ NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
- ㉓ PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
- ㉔ RECEPTACLE OUTLET TO BE 10' 9" TO TOP OF PLATE A.F.F.
- ㉕ RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
- ㉖ RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
- ㉗ RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
- ㉘ SPLIT UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT IF REQUIRED.
- ㉙ PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
- ㉚ PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
- ㉛ RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
- ㉜ CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
- ㉝ GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



1 AREA B - SECOND FLOOR ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA B - FIRST FLOOR ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E102B

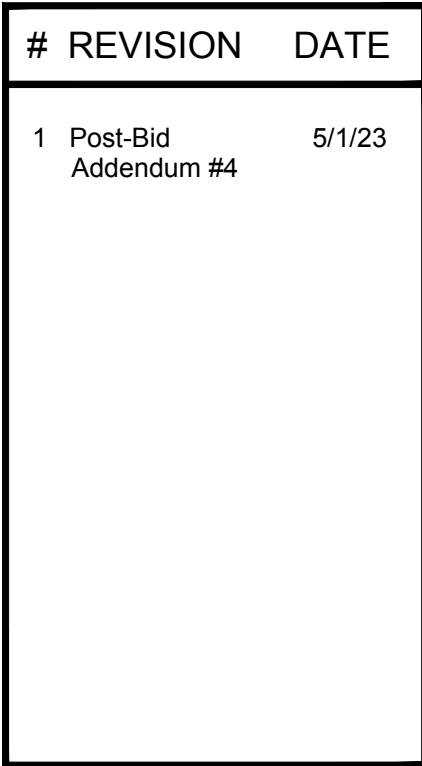
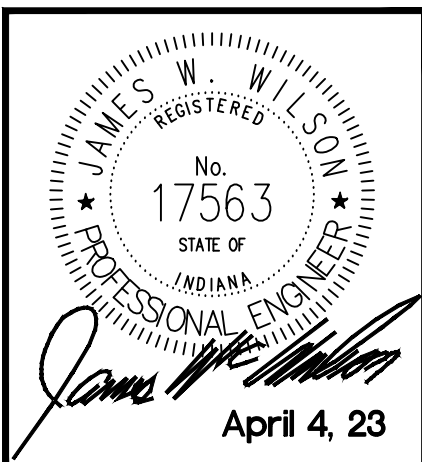






1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR IDENTICAL EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF P.V. SWITCH (IF REQUIRED). P.V. SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

- 1 EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION.
- 2 EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF REQUIRED) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
- 3 EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION.
- 4 EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF REQUIRED) AND CONNECTION. CONTROL WIRING, BY OTHERS.
- 5 ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT (IF REQUIRED) AND CONNECTION.
- 6 CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
- 7 TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- 8 EXTERIOR WASH UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- 9 WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- 10 FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
- 11 BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
- 12 FUTURE DIAL UP CHANGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) GATE CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
- 13 PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FLEET ALARM UNIT, PANEL FROM TELEPHONE EXCHANGE, AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
- 14 PROVIDE (1) GATE CABLE TO ELEVATOR CONTROL, BOX FROM TELEPHONE EXCHANGE, AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
- 15 GATE OR OVERHEAD DOOR BY M.C. PROVIDE WIRING AND CONNECTION. DISCONNECT AND INSTALL CONDUIT W/IN WALL.
- 16 LIGHT FIXTURE DURING DAYLIGHT HOURS ONLY. PROVIDE WIRING AND CONNECTION FOR OPERATION.
- 17 FOR MRP AREA: PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH MC COPPER FROM ELECTRICAL SYSTEM TO MRP AREA, PROVIDE WIRING AND INSTALL CONDUIT. W/IN WALL. PULL STRINGS TO LOCATIONS SHOWN ON LOW VOLTAGE CABLE LAYOUT (SEE ELECTRICAL SCHEDULE).
- 18 FOR RPA AREA: PROVIDE (1) 8X8 SHEET OF FIRE RATED PLYWOOD, TERMINAL STRIP WITH MC COPPER FROM ELECTRICAL SYSTEM TO RPA AREA, PROVIDE WIRING AND INSTALL CONDUIT. W/IN WALL. PULL STRINGS TO LOCATIONS SHOWN ON LOW VOLTAGE CABLE LAYOUT (SEE ELECTRICAL SCHEDULE).
- 19 FIRE PROTECTION SYSTEM BY MRP. PROVIDE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
- 20 FIREALARM BY OTHERS. PROVIDE WIRING AND CONNECTION.
- 21 NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
- 22 NOT USED. PROVIDE 1/2" PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VUELY REQUIREMENTS WITH INSTALLATION.
- 23 NOT USED. WIRING AND BULLETIN BOARD FOR EMERGENCY GAS SHUT OFF BY CONTRACTOR WITH GU.C.
- 24 NOT USED. IF CONDUIT FROM NETWORK TO RETAIL SPACE, W/IN WALL. STRING FOR FUTURE USE.
- 25 RECEPTACLE OUTLET TO BE 10.5 TO 10.5 TOP OF PLATE A.F.F.
- 26 RECEPTACLE OUTLET TO BE 22" TO 22" TOP OF PLATE A.F.F.
- 27 RECEPTACLE OUTLET TO BE 10" TO 11" TOP OF PLATE A.F.F.
- 28 RECEPTACLE TO BE INSTALLED AT SAME LEVEL, AS EXTERIOR HVAC UNIT EQUIPMENT.
- 29 SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION. CONTROL WIRING, BY OTHERS. PROVIDE CONNECTION TO INTERIOR UNIT (IF REQUIRED).
- 30 PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
- 31 PROVIDE ACCESS CONTROL, CABLING AND CARD READER FOR ENTRY. VUELY REQUIREMENTS WITH ELEVATOR INSTALLER.
- 32 RECEPTACLE FOR STRUNG LIGHTING, VUELY FINAL. LOCATIONS BY OTHERS.
- 33 CUSTOM BARGE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
- 34 GRIFF STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRIFF.



100% CONSTRUCTION DOCUMENTS	
DATE:	4/4/23
SHEET NO.	
<b>E103B</b>	





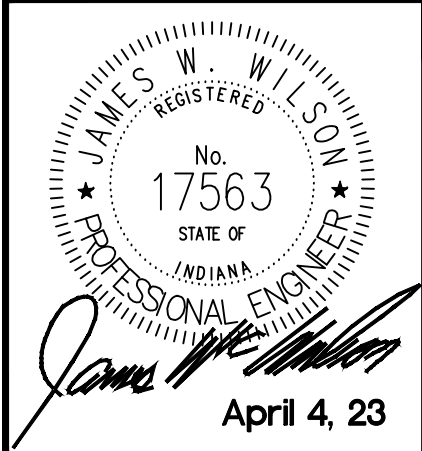
**1 AREA A - FOURTH FLOOR ELECTRICAL PLAN**  
SCALE: 3/32" = 1'-0"

**GENERAL COMMON  
AREA NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "A-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "OUTA-OUT". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PV SWITCHES IF REQUIRED. PV SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

**KEY COMMON AREA NOTES**

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATION SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
17. FOR OF AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATION SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS IF REQUIRED. MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16-18" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT IF REQUIRED.
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

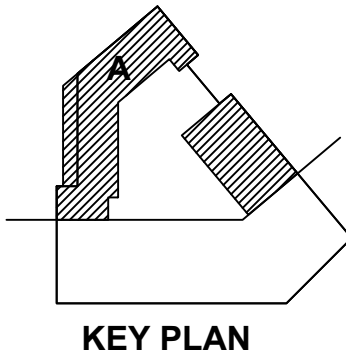
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA A - FOURTH FLOOR ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E104A



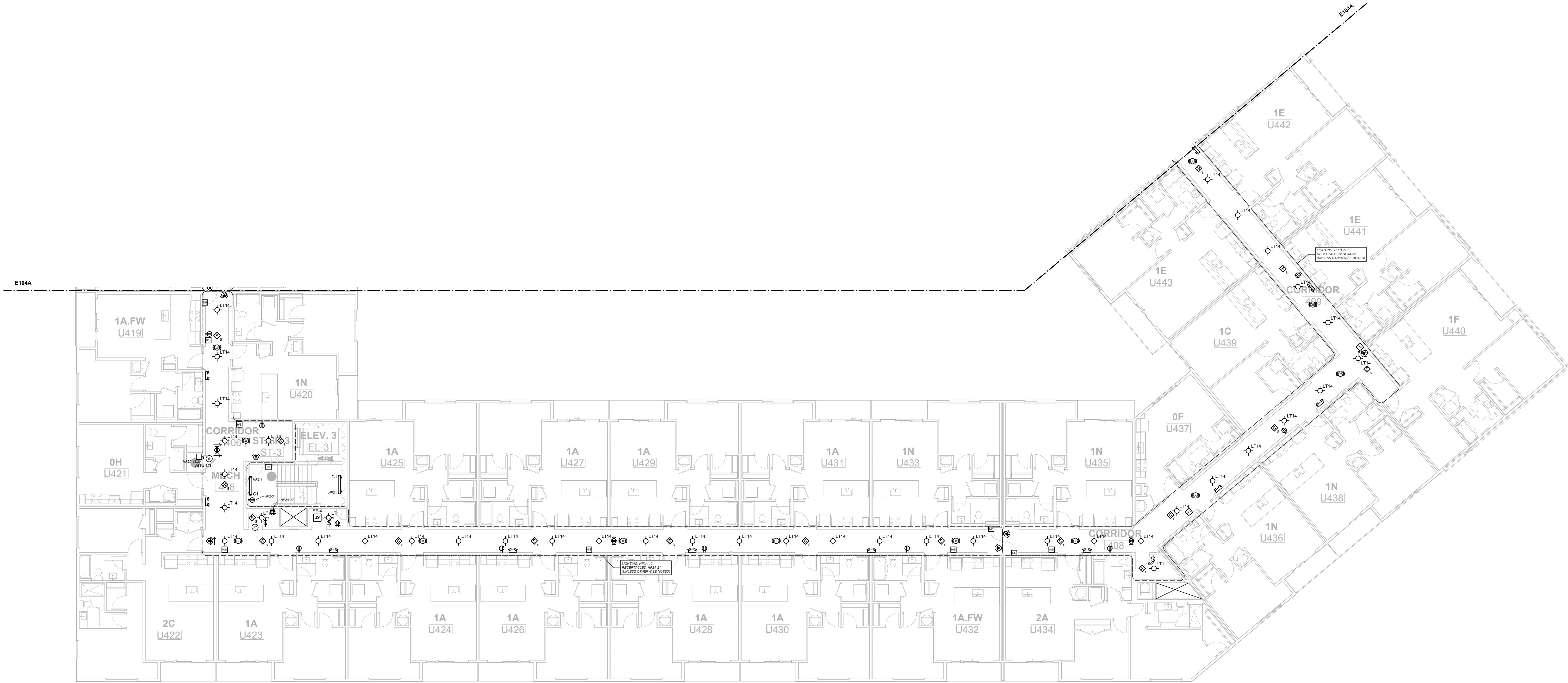


GENERAL COMMON  
AREA NOTES

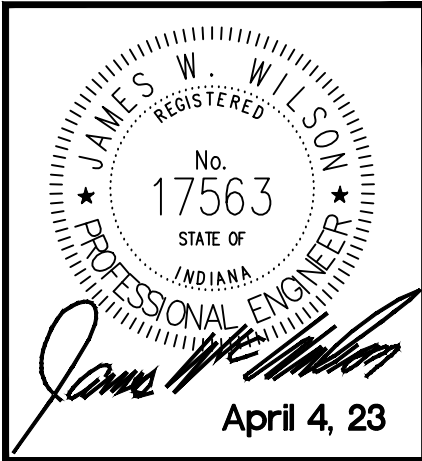
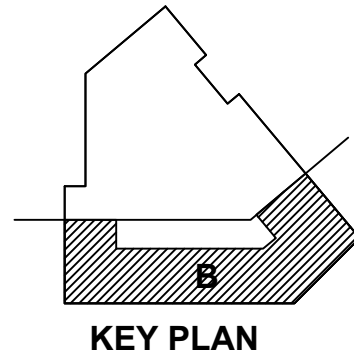
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "NUUSE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "STORM-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF 20 AMP SWITCH IF REQUIRED. 20 AMP SWITCH PROVIDED. INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH IPC.

KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C.. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C.. PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
3. EXHAUST FAN BY M.C.. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
4. ABOVE CEILING HEATER BY M.C.. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
5. CIRCULATION FAN BY M.C.. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C.. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C.. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C.. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C.. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLLER FOR OPERATION.
16. FOR MDF AREA PROVIDE (1) 48" SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR IDF AREA PROVIDE (1) 48" SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. ISDN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C.. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT IF REQUIRED.
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



1 AREA B - FOURTH FLOOR ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA B - FOURTH FLOOR ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E104B





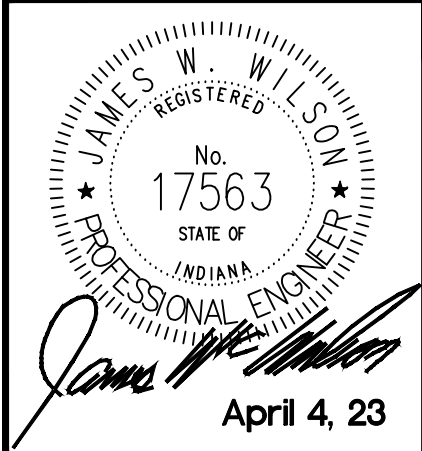
**1 AREA A - FIFTH FLOOR ELECTRICAL PLAN**  
SCALE: 3/32" = 1'-0"

**GENERAL COMMON AREA NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT (USE "AUGER" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY" - USE EXTERIOR RATED RECEPTACLES).
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PV SWITCHES (IF REQUIRED). PV SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

**KEY COMMON AREA NOTES**

1. ELECTRIC HEATER BY M.C. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FOR NEW AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
17. FOR OLD AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16.5" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.

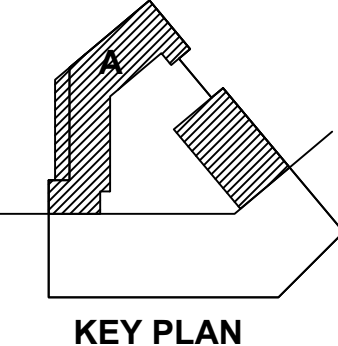


#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

**LINK**  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

**AREA A - FIFTH FLOOR ELECTRICAL PLAN**

100% CONSTRUCTION DOCUMENTS  
DATE: 4/4/23  
SHEET NO.  
**E105A**



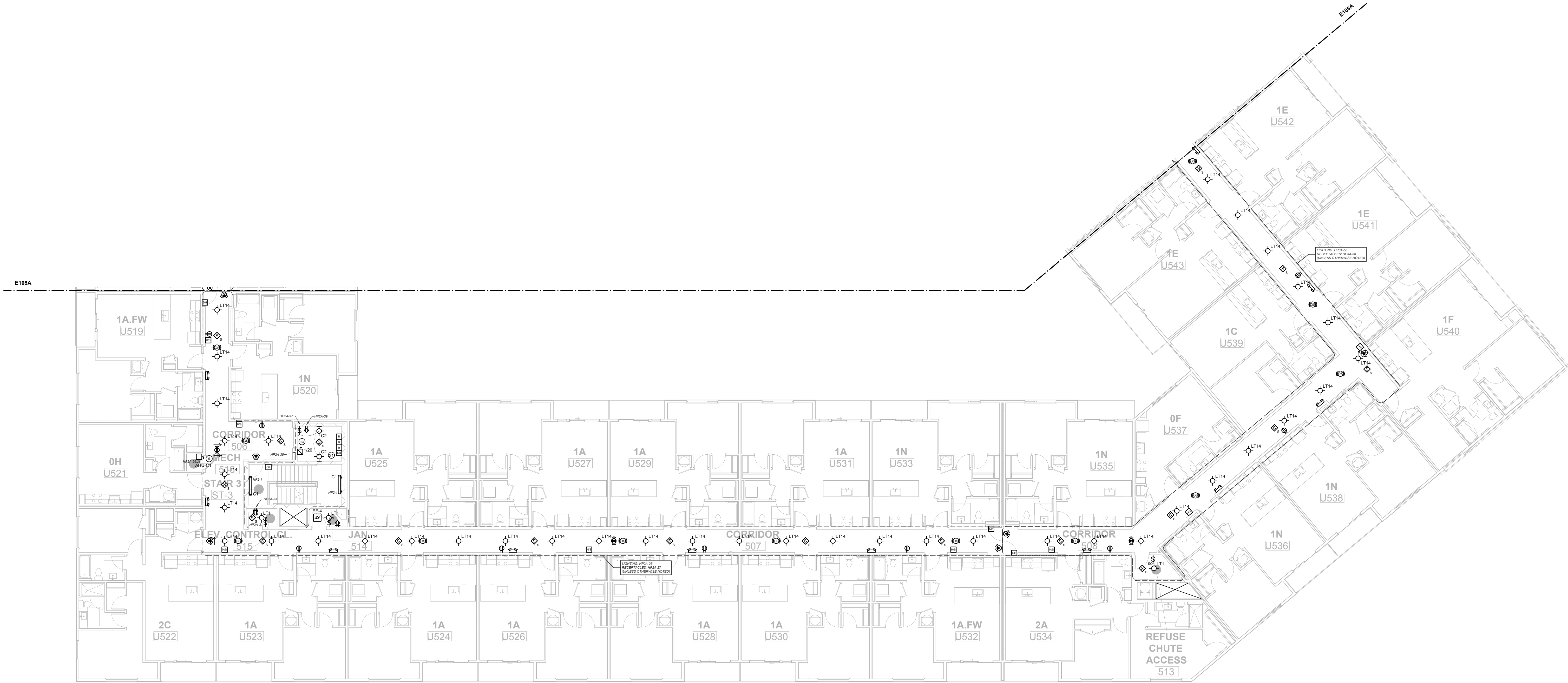


GENERAL COMMON  
AREA NOTES

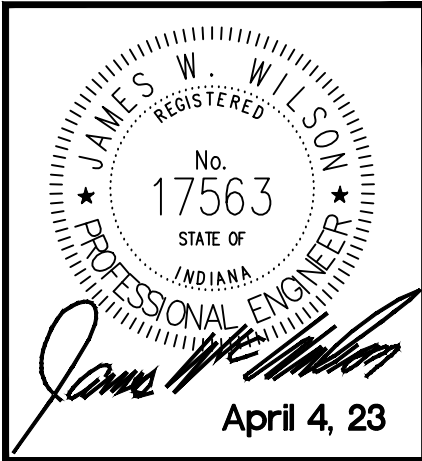
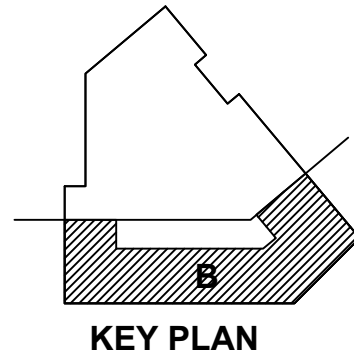
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ALL EXTERIOR LIGHTING AND SIGNALS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLLED CIRCUITS.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "NUAGE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "STORM-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF 20' SWITCH IF REQUIRED. PIV SWITCH PROVIDED. INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH IPC.

KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
5. CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLLER FOR OPERATION.
16. FOR MDF AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR IDF AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
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19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
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21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
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29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



1 AREA B - FIFTH FLOOR ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



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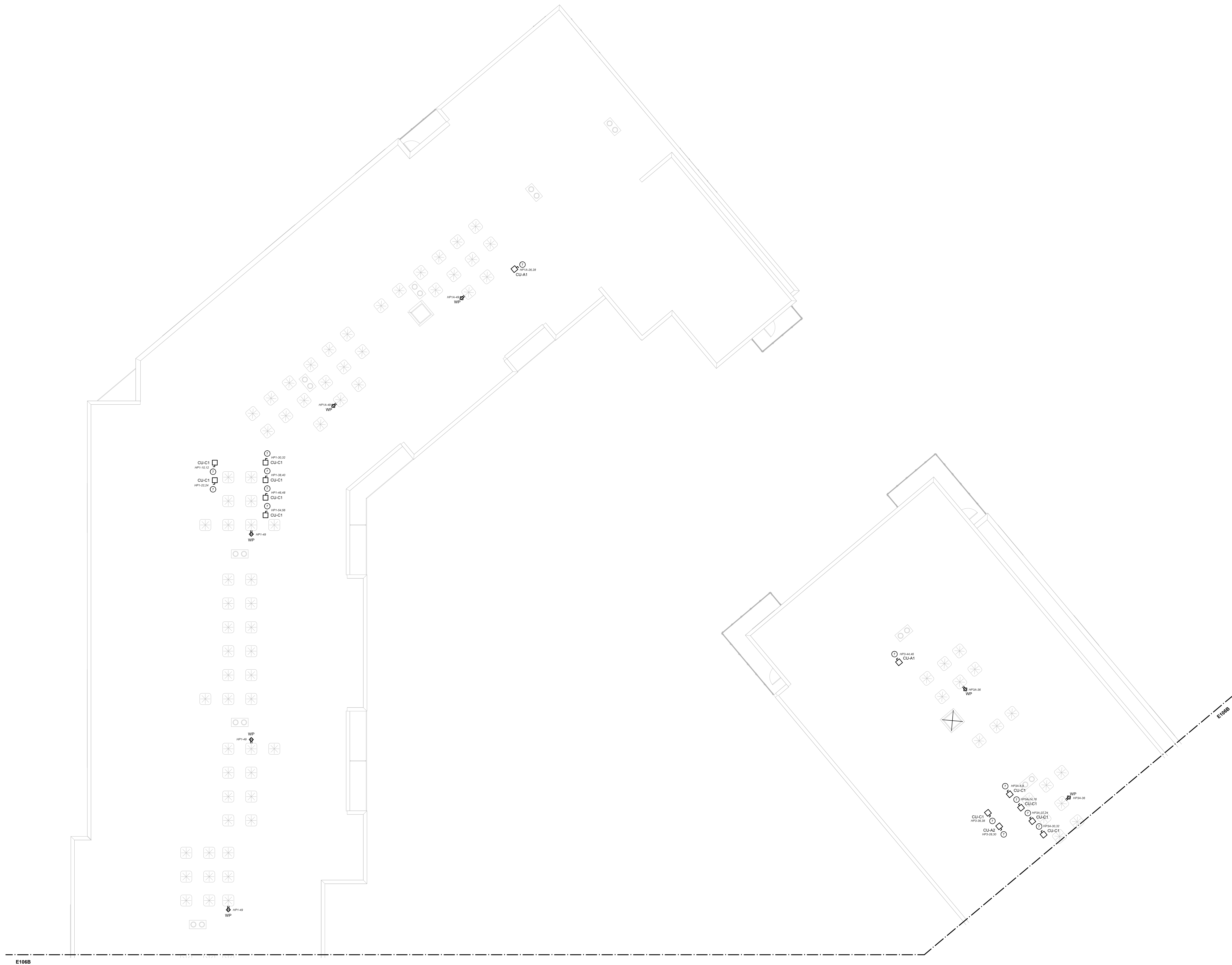
AREA B - FIFTH FLOOR ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E105B





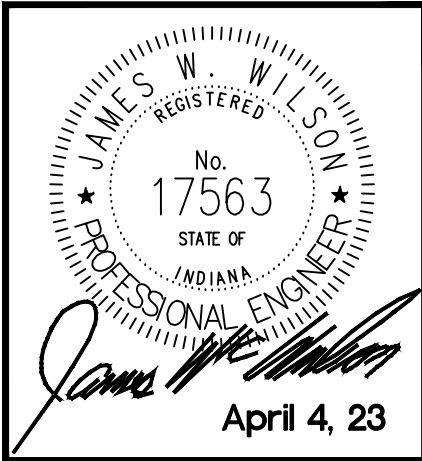
**1 AREA A - ROOF ELECTRICAL PLAN**  
SCALE: 3/32" = 1'-0"

**GENERAL COMMON AREA NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO TROUGH IN.
2. ALL EXTERIOR LIGHTING AND DECKS CONTROLLED BY PHOTOCELL UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLS CIRCUIT.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "AUGER" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PV SWITCHES (IF REQUIRED). PV SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

**KEY COMMON AREA NOTES**

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
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7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
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11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE G-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE G-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD. (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
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23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
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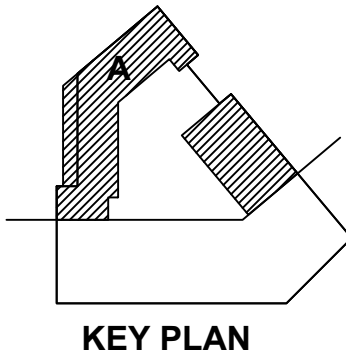
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

AREA A - ROOF ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E106A



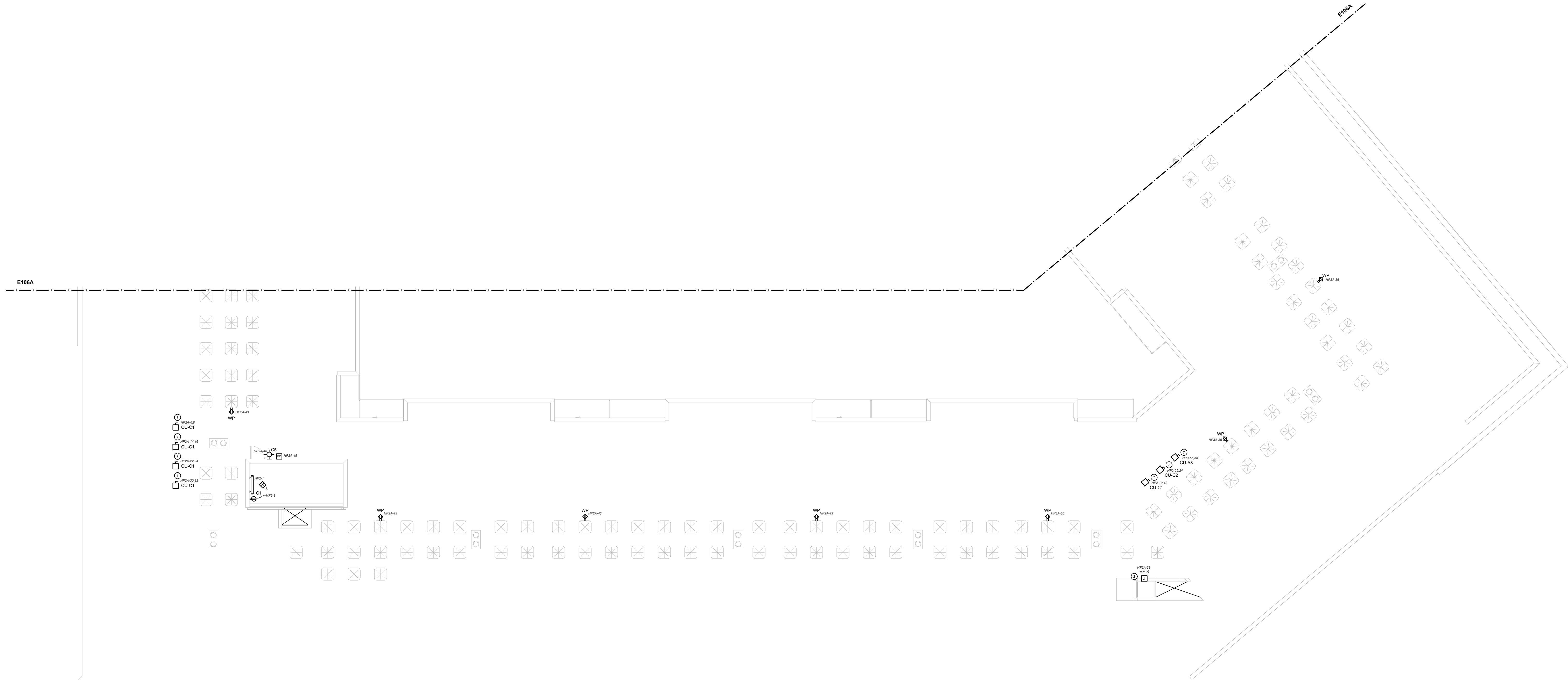


GENERAL COMMON  
AREA NOTES

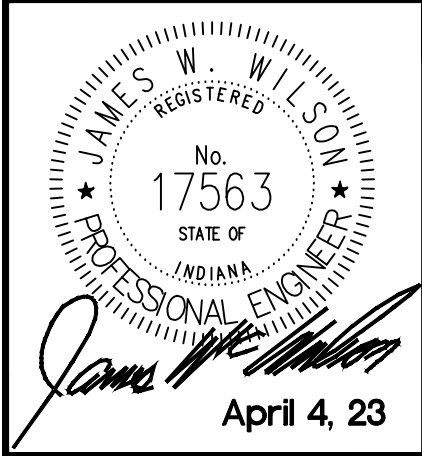
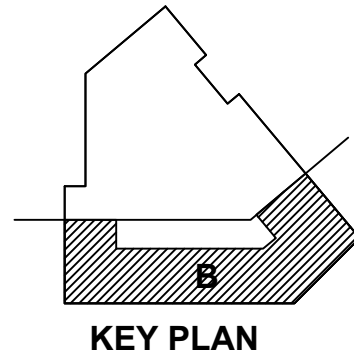
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3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "NUISANCE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "STORM-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PV SWITCH (IF REQUIRED). PV SWITCH PROVIDED. INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH IPC.

KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C., PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C., PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
3. EXHAUST FAN BY M.C., PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
4. ABOVE CEILING HEATER BY M.C., PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
5. CIRCULATION FAN BY M.C., PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C., PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLLER FOR OPERATION.
16. FOR MDF AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
17. FOR IDF AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E101B DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECTS (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. ISDN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C., PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



1 AREA B - ROOF ELECTRICAL PLAN  
SCALE: 3/32" = 1'-0"



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

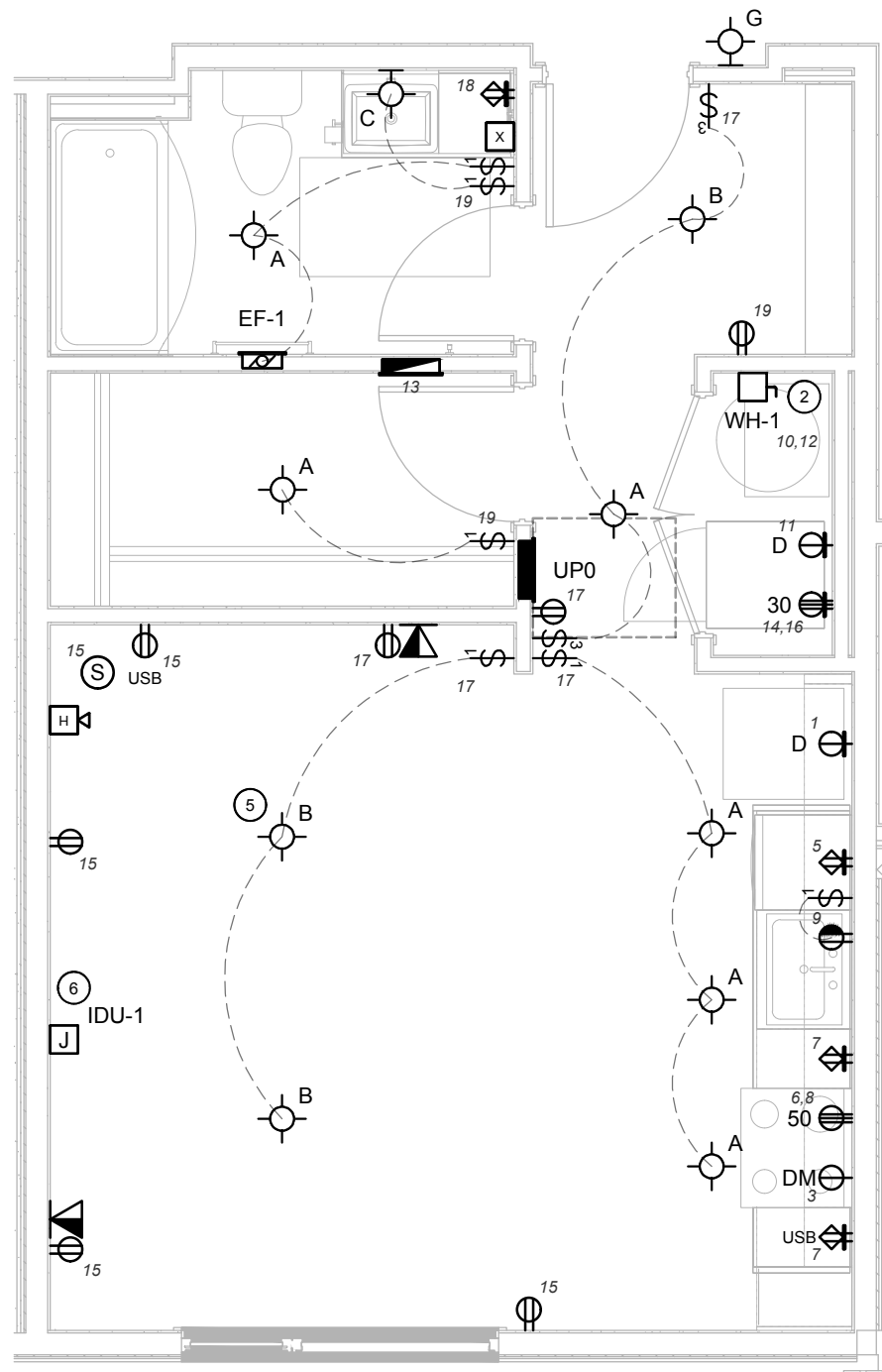
AREA B - ROOF ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

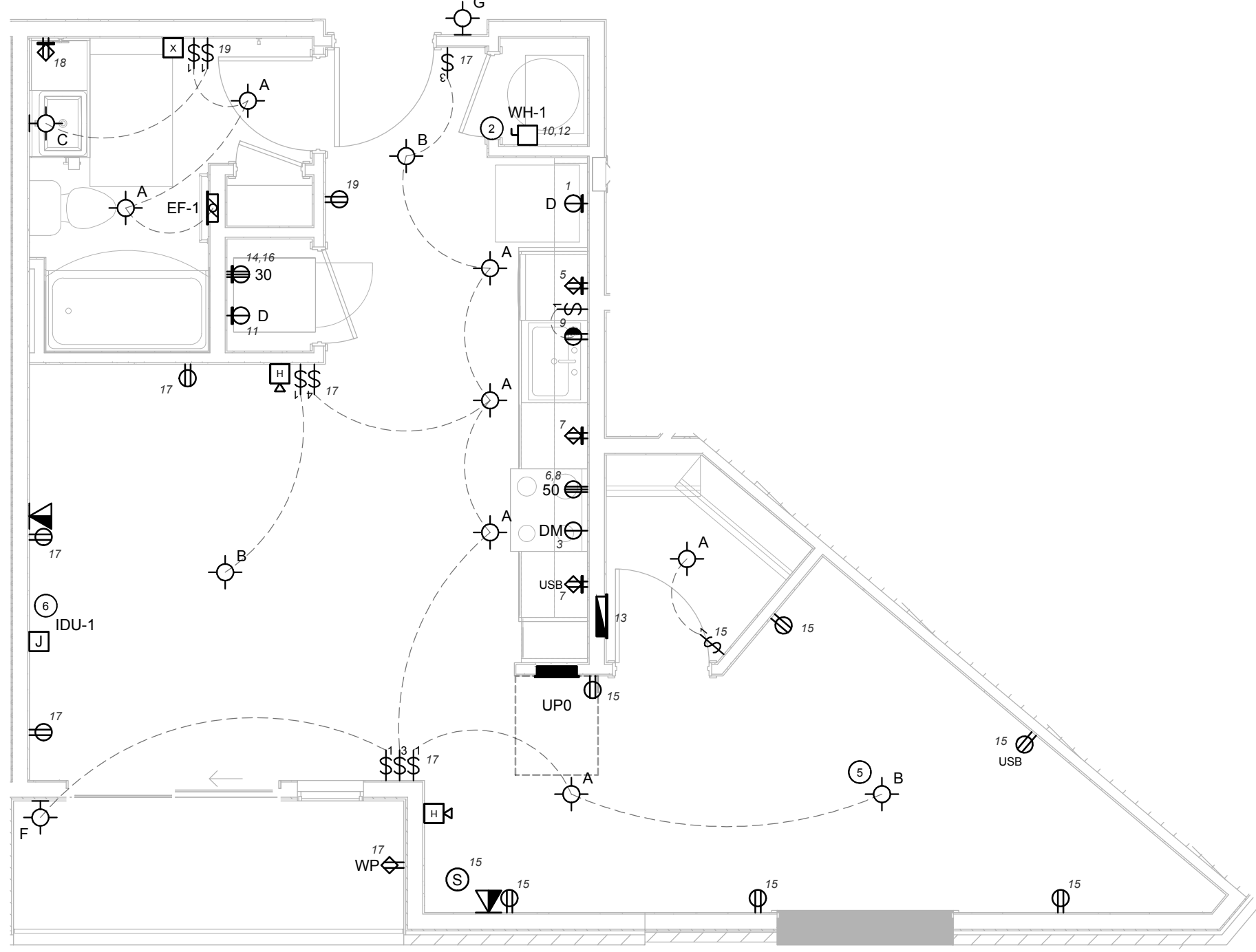
DATE: 4/4/23

SHEET NO. E106B

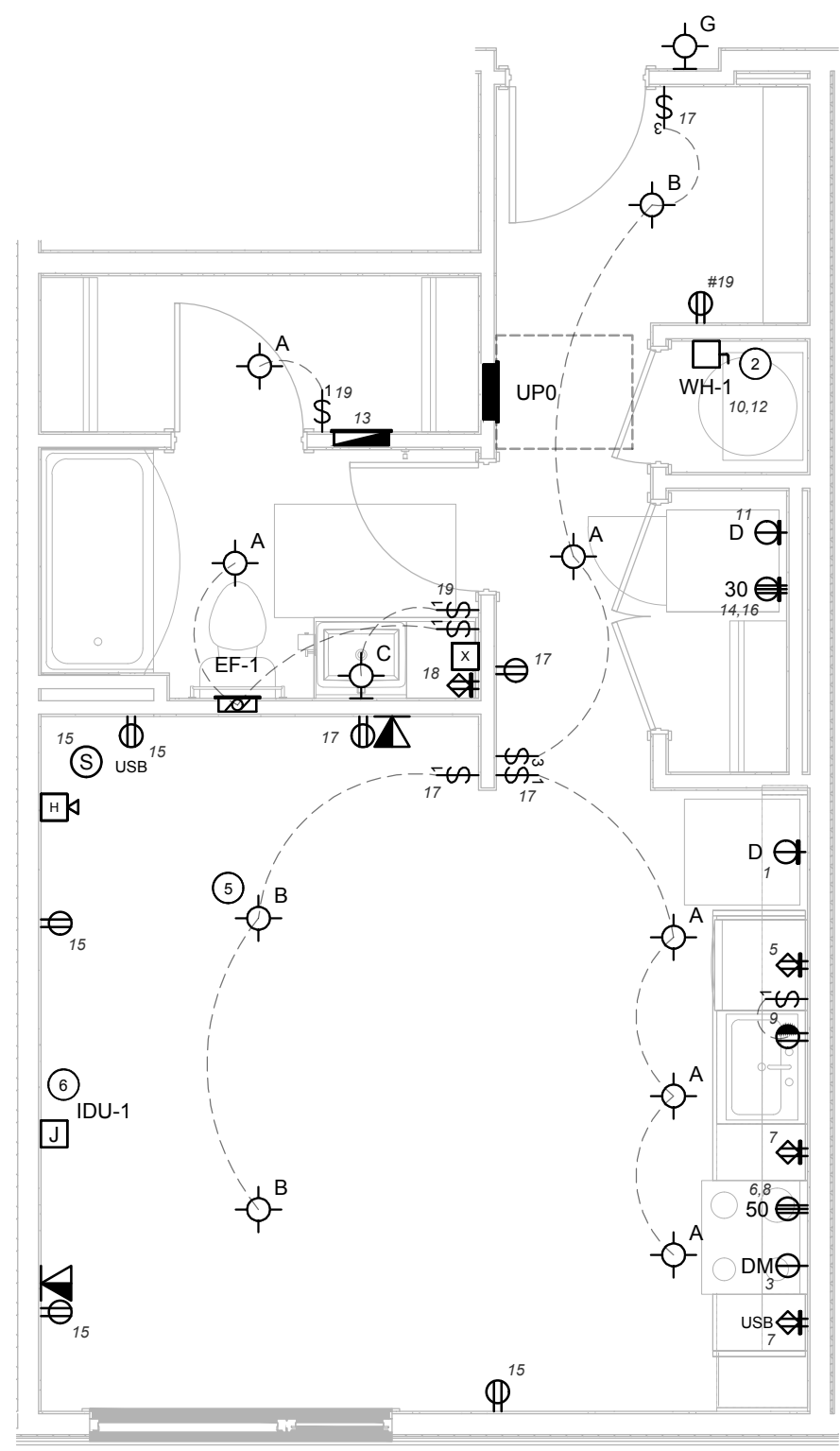




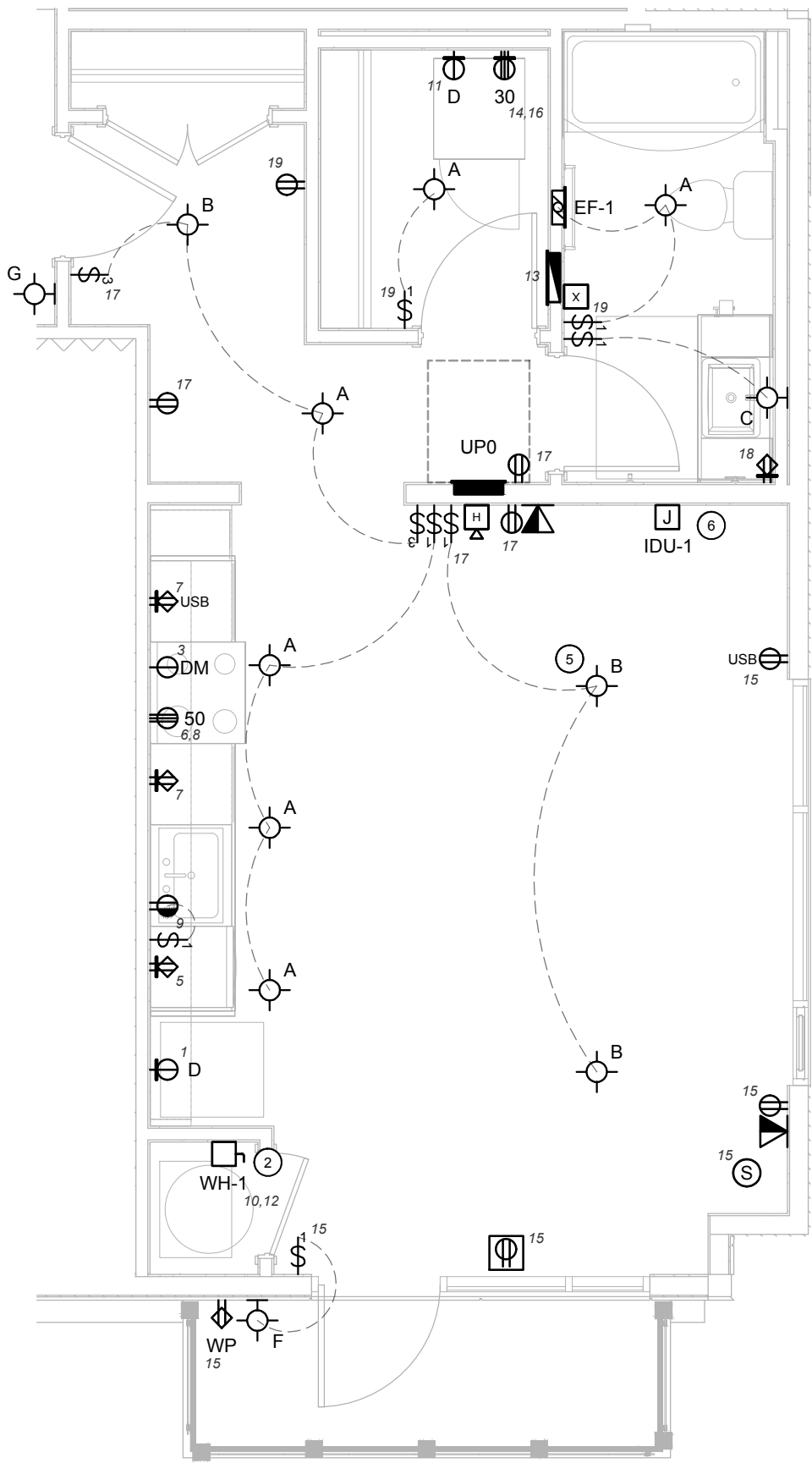
**1 UNIT TYPE '0A' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



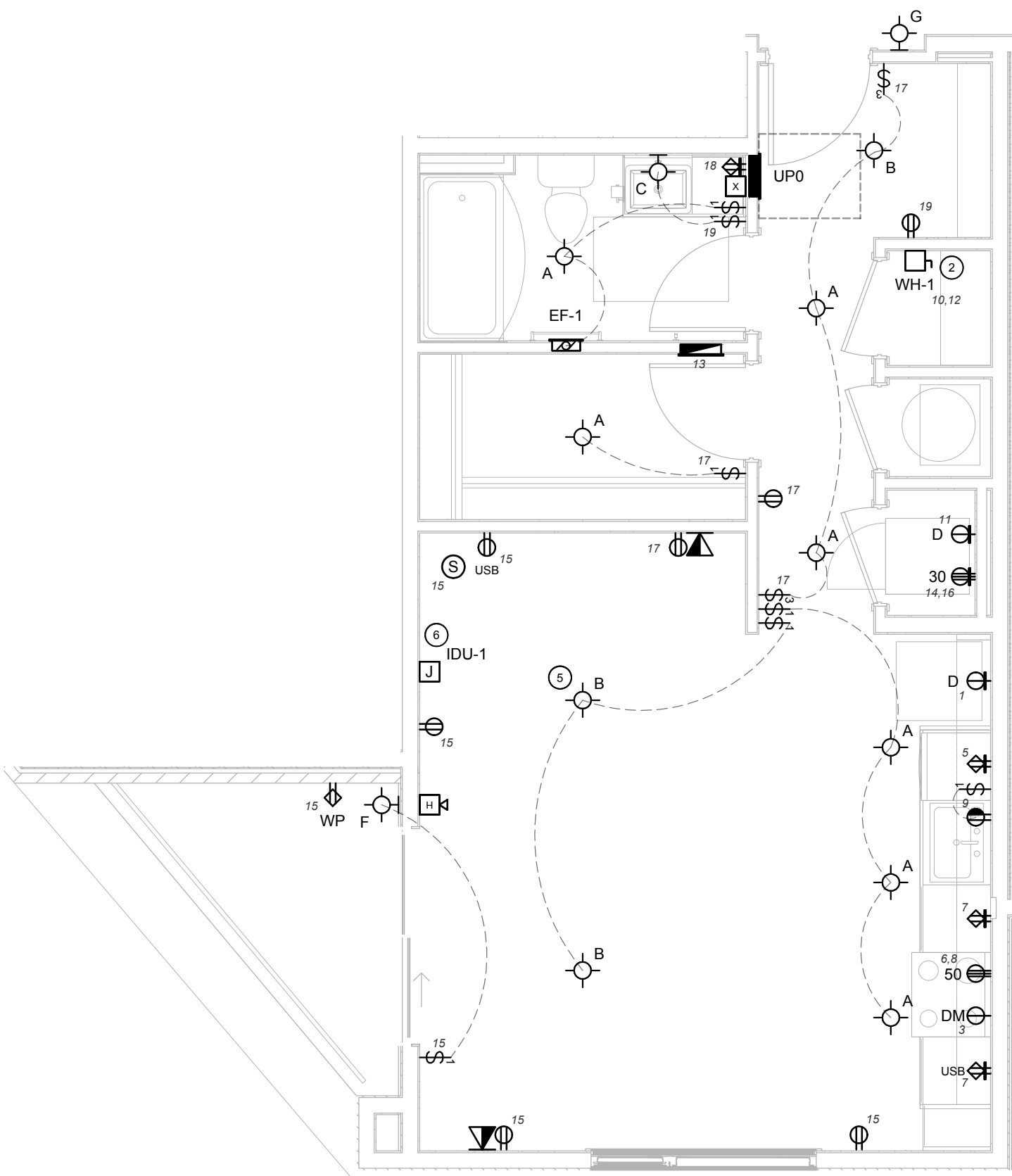
**2 UNIT TYPE '0B' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



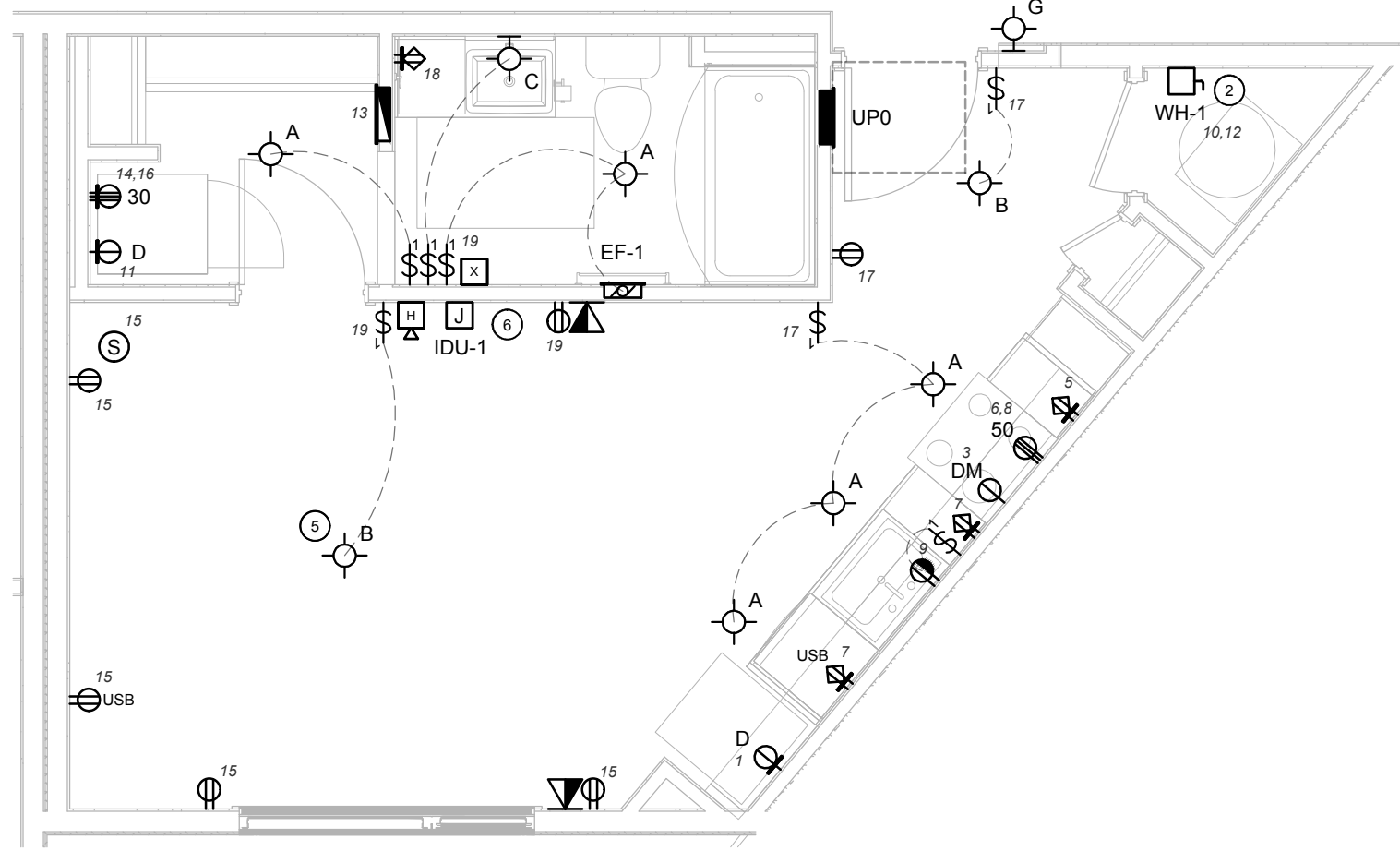
**3 UNIT TYPE '0C' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**4 UNIT TYPE '0D' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**5 UNIT TYPE '0E' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



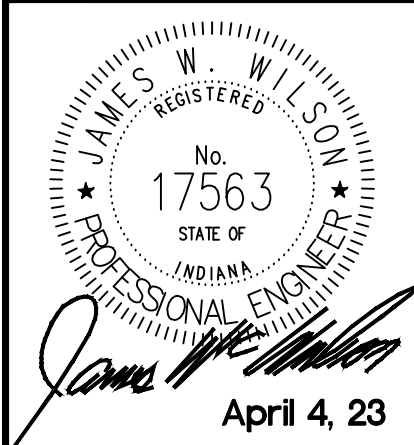
**6 UNIT TYPE '0F' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL UNIT NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ELECTRICAL LOAD CENTERS IN UNITS ARE TO BE 48" TO TOP BREAKER FROM FINISHED FLOOR.
3. TO MAINTAIN FIRE AND SOUND RATINGS OF SHARED UNIT WALLS USE DEVICE BOXES RATED FOR APPLICATION (E.G. ALLED INSULATED FIBERGLASS BOX). ALTERNATIVELY, SPlice BOXES OR OPTIONING SIDES 24" APART ON USE PUTTY PADS TO MAINTAIN FIRE AND SOUND RATINGS.
4. PROVIDE A 30A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR WARE EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA DUTY". USE EXTERIOR RATED RECEPTACLES.
5. COMMON AREA LIGHTING FIXTURE TYPE G TO BE ON 24/7. FEED FROM LOCAL COMMON AREA LIGHTING CIRCUIT.

**KEY UNIT NOTES**

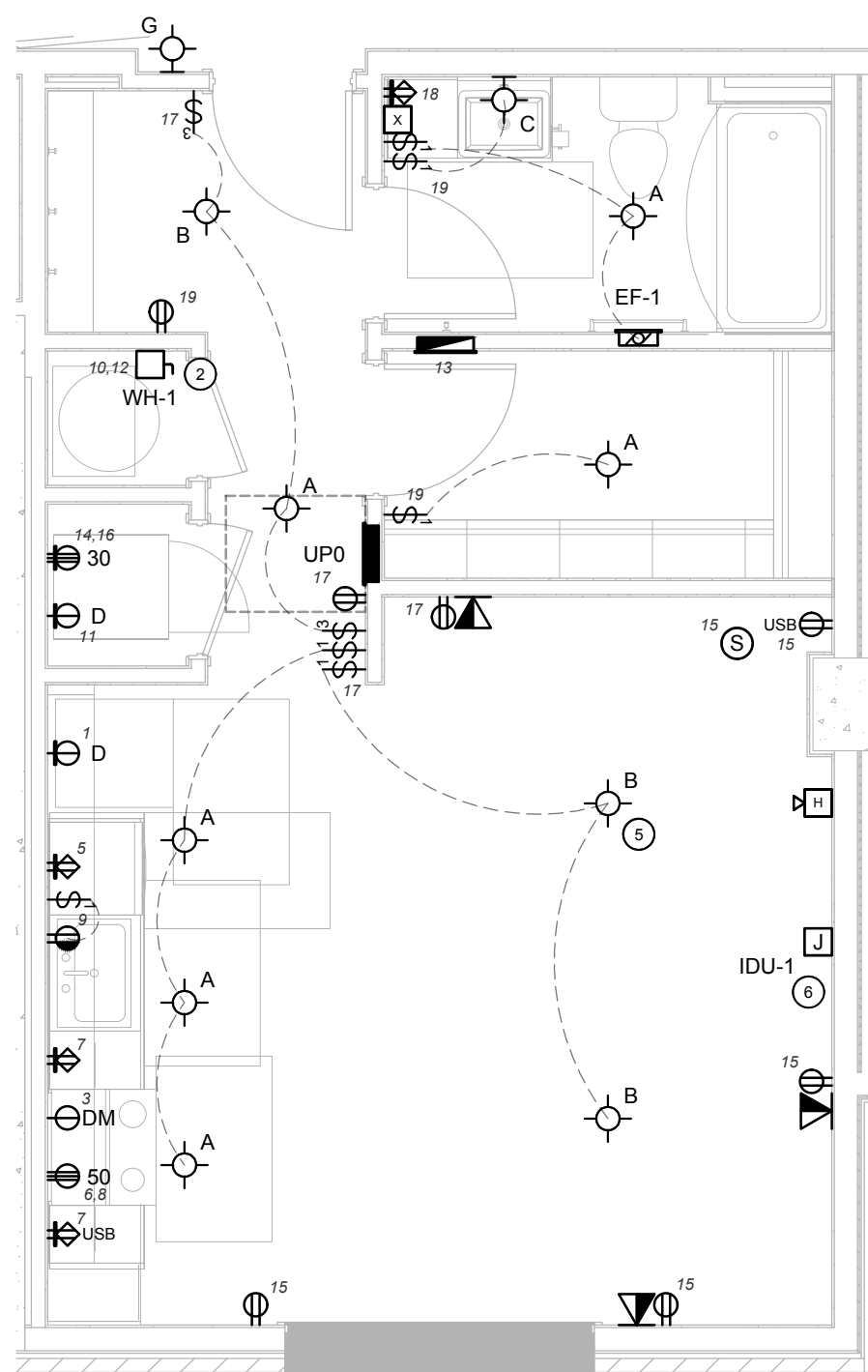
1. ELECTRIC FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
2. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
3. PROVIDE SWITCH UNDER SINK FOR DISPOSAL.
4. EXTERIOR AIR CONDITIONER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
5. PROVIDE AND INSTALL GEL AND FAN RATED BOX AND 3-WIRE SWITCHES FOR POSSIBLE FUTURE CEILING FAN WITH LIGHT INSTALLATION.
6. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. VERIFY LOCATION OF EXTERIOR EQUIPMENT WITH MECHANICAL DRAWINGS. PROVIDE WIRING AND CONNECTION TO EXTERIOR UNIT (IF REQUIRED).
7. PROVIDE AND INSTALL SWITCHING FOR ROOM LIGHT FIXTURE AT THIS LOCATION ONLY ON UNITS WITH AN EXTERIOR ENTRANCE.
8. PROVIDE AND INSTALL FLOOR RECEPTACLE AT THIS LOCATION ONLY ON UNITS WITH STOREFRONT GLASS.



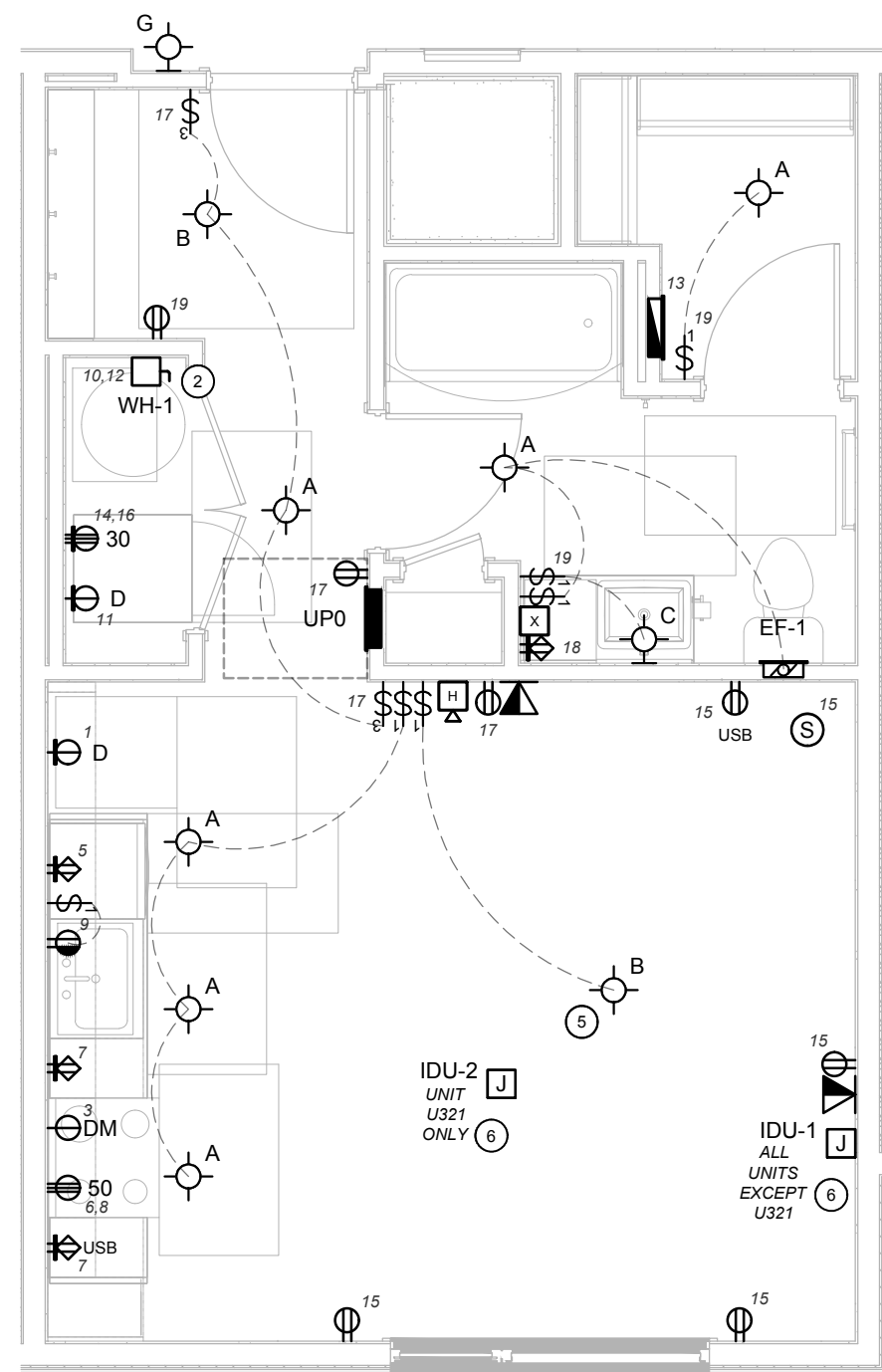
#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

**LINK**  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203  
**UNIT TYPES '0A', '0B', '0C', '0D', '0E' AND '0F' ELECTRICAL PLANS**

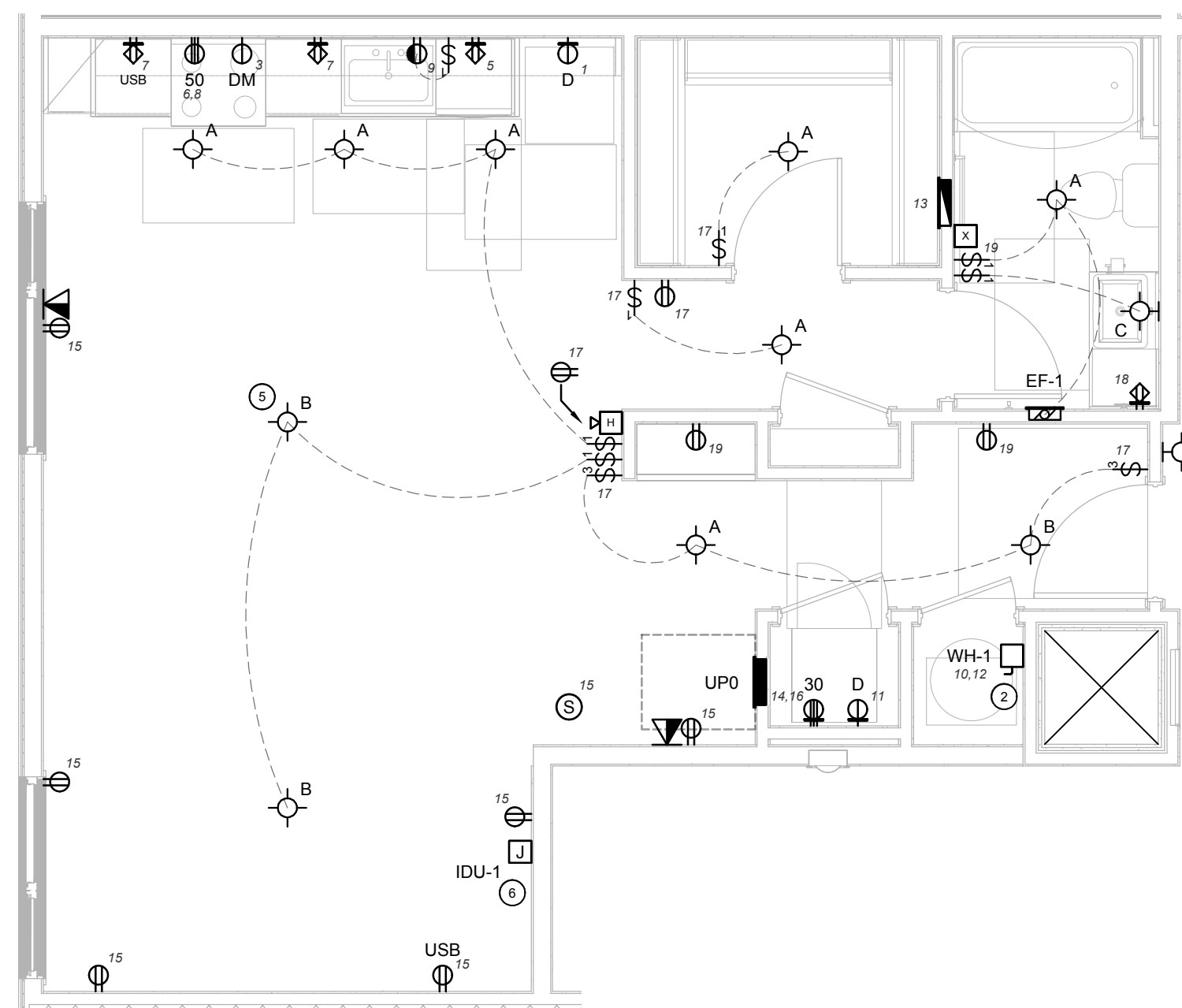




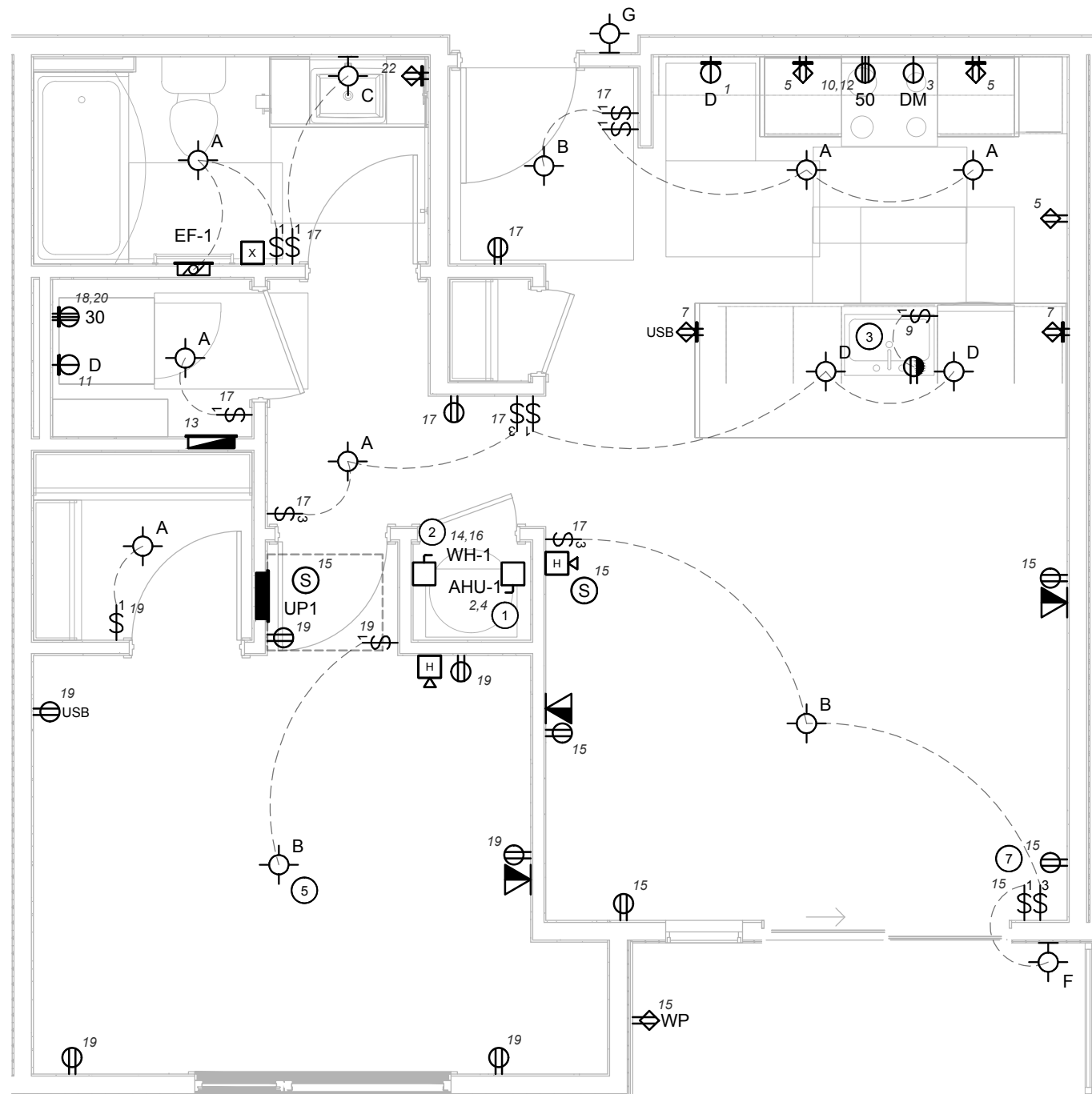
**UNIT TYPE '0G' ELECTRICAL PLAN**



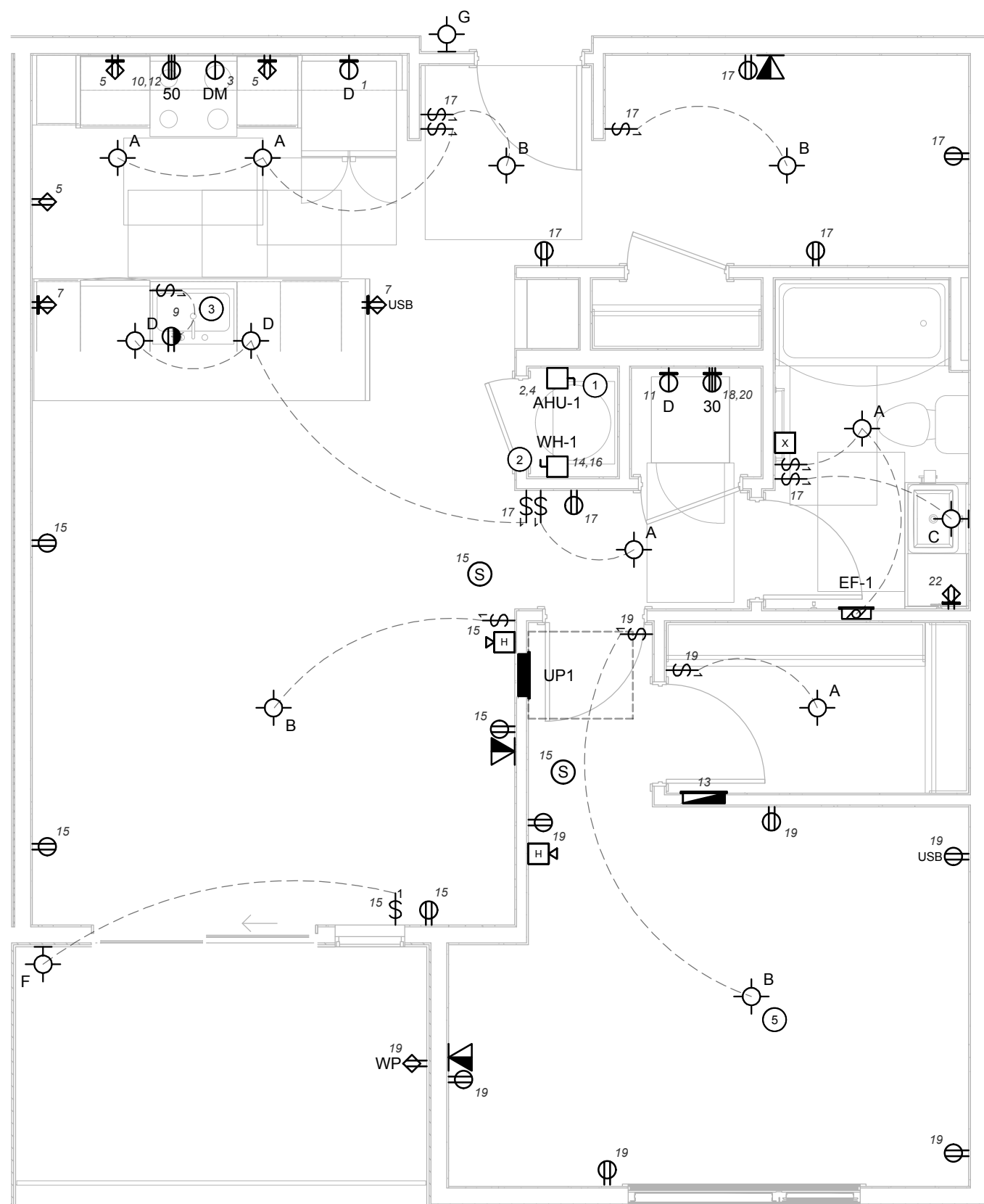
## 2 UNIT TYPE '0H' ELECTRICAL PLAN



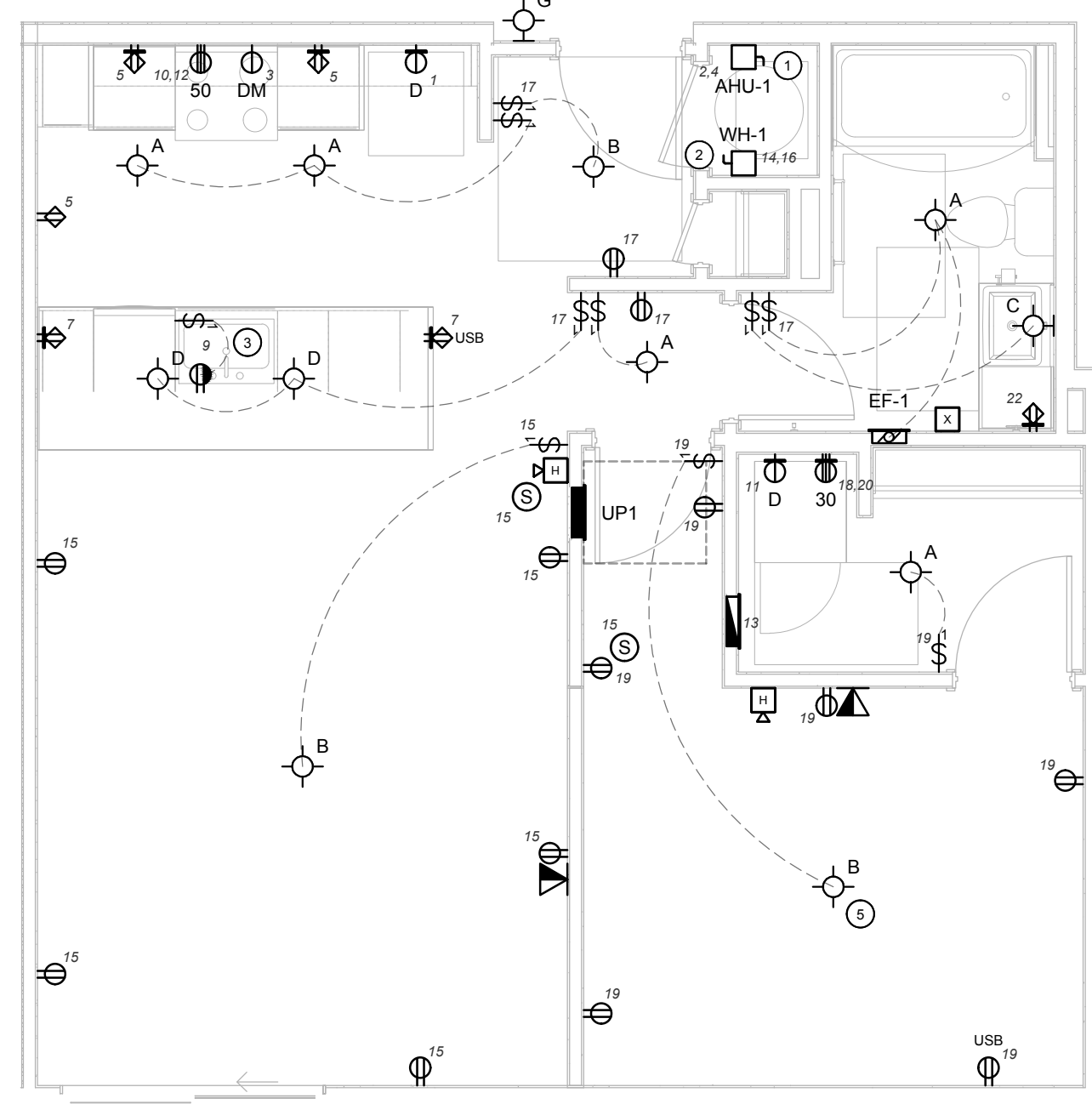
### 3 UNIT TYPE '0J' ELECTRICAL PLAN



**4 UNIT TYPE '1A' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



## 5 UNIT TYPE '1B' ELECTRICAL PLAN



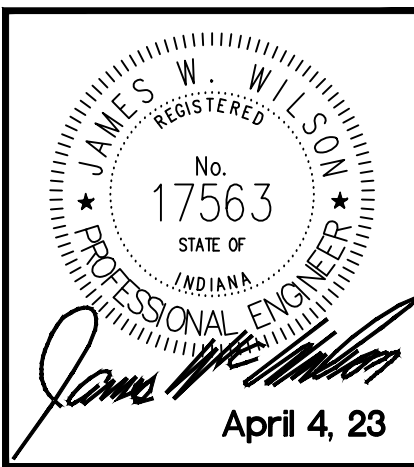
## 6 UNIT TYPE '1C' ELECTRICAL PLAN

- ### GENERAL UNIT NOTES

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH-IN.
2. ELECTRICAL LOAD CENTERS IN UNITS ARE TO BE 48" TO TOP BREAKER FROM FINISHED FLOOR.
3. TO MAINTAIN FIRE AND SOUND RATINGS OF SHAVED UNIT WALLS USE DEGREE BOXES FOR APPLICATION (E.G. ALLIED MOLDED FIBERGLASS BOX). ALTERNATIVELY, SPACE BOXES ON OPPOSING SIDES 24" APART OR USE PUTTY PADS TO MAINTAIN FIRE AND SOUND RATINGS.
4. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR HVAC EQUIPMENT. USE "IN-SUE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY" USE EXTERIOR RATED RECEPTACLES.
5. COMMON AREA LIGHTING FIXTURE TYPE G TO BE ON 247'. FEED FROM

## KEY UNIT NOTES

- ① ELECTRIC FLUORINE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
- ② WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ③ PROVIDE SWITCH UNDER SINK FOR DISPOSAL.
- ④ EXTERIOR AIR CONDITIONER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ⑤ PROVIDE AND INSTALL CEILING FAN HATED BOX AND 3-WIRE SWITCHES (SEE IF POSSIBLE) FUTURE CEILING FAN WITH LIGHT INSTALLATION.
- ⑥ SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. VERIFY LOCATION OF EXISTING EQUIPMENT WITH MECHANICAL DRAWINGS. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
- ⑦ PROVIDE AND INSTALL SWITCHING FOR ROOM LIGHT FIXTURE AT THIS LOCATION ONLY ON UNITS WITH AN EXTERIOR ENTRANCE.
- ⑧ PROVIDE AND INSTALL FLOOR RECEPTACLE AT THIS LOCATION ONLY WITH EXISTING FLOOR.



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

**LINK**  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

**LINK**  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203  
UNIT TYPES '0G', '0H', '0J', '1A', '1B' AND '1C' ELECTRICAL PLANS

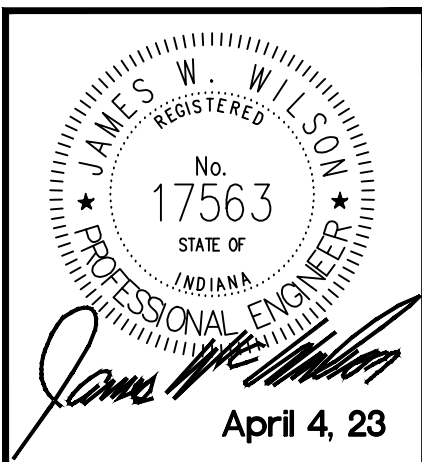
100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO.

# E202





#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

UNIT TYPES '1D', '1E', '1F', '1G', '1H' AND '1J' ELECTRICAL PLANS

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

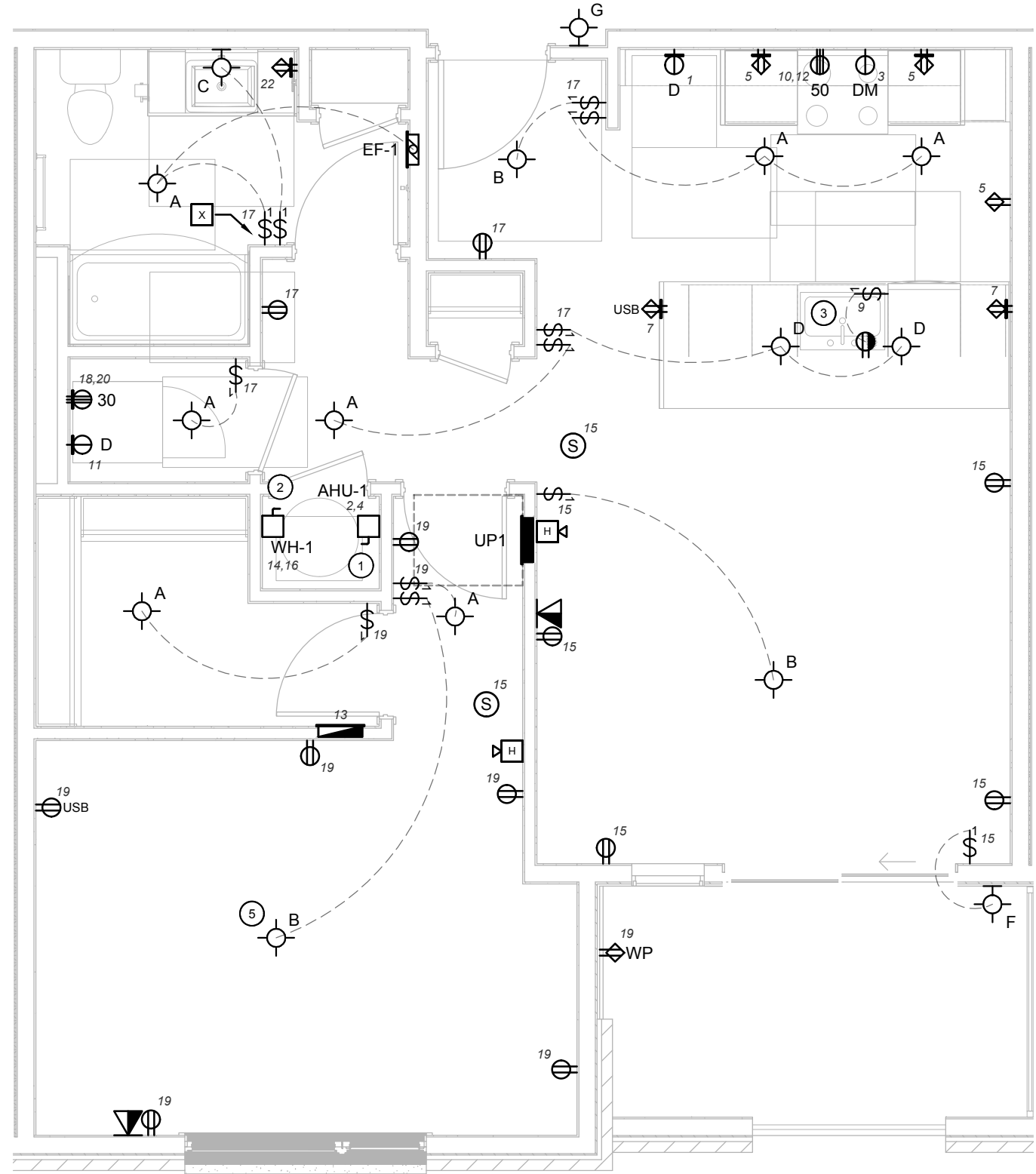
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GENERAL UNIT NOTES

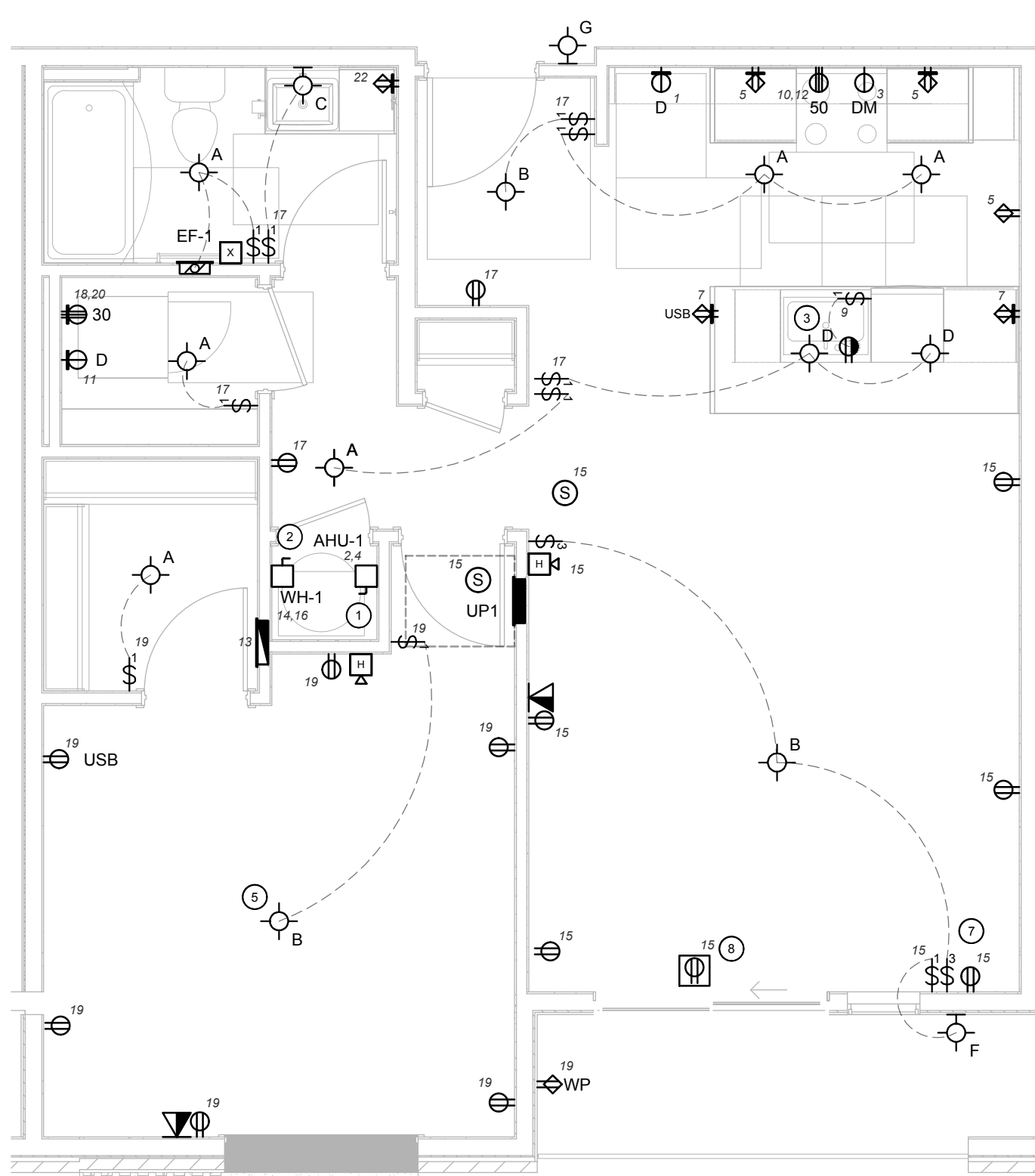
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ELECTRICAL LOAD CENTERS IN UNITS ARE TO BE 48" TO TOP BREAKER FROM FINISHED FLOOR.
3. TO MAINTAIN FIRE AND SOUND RATINGS OF SHARED UNIT WALLS USE DEVICE BOXES RATED FOR APPLICATION (E.G. ALLED INSULATED FIBERGLASS BOX). ALTERNATIVELY, SPICE BOXES ON OPPOSITE SIDES 24" APART ON USE PUTTY PADS TO MAINTAIN FIRE AND SOUND RATINGS.
4. PROVIDE A 30A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR WARE EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA DUTY". USE EXTERIOR RATED RECEPTACLES.
5. COMMON AREA LIGHTING FIXTURE TYPE G TO BE ON 24/7. FEED FROM LOCAL COMMON AREA LIGHTING CIRCUIT.

KEY UNIT NOTES

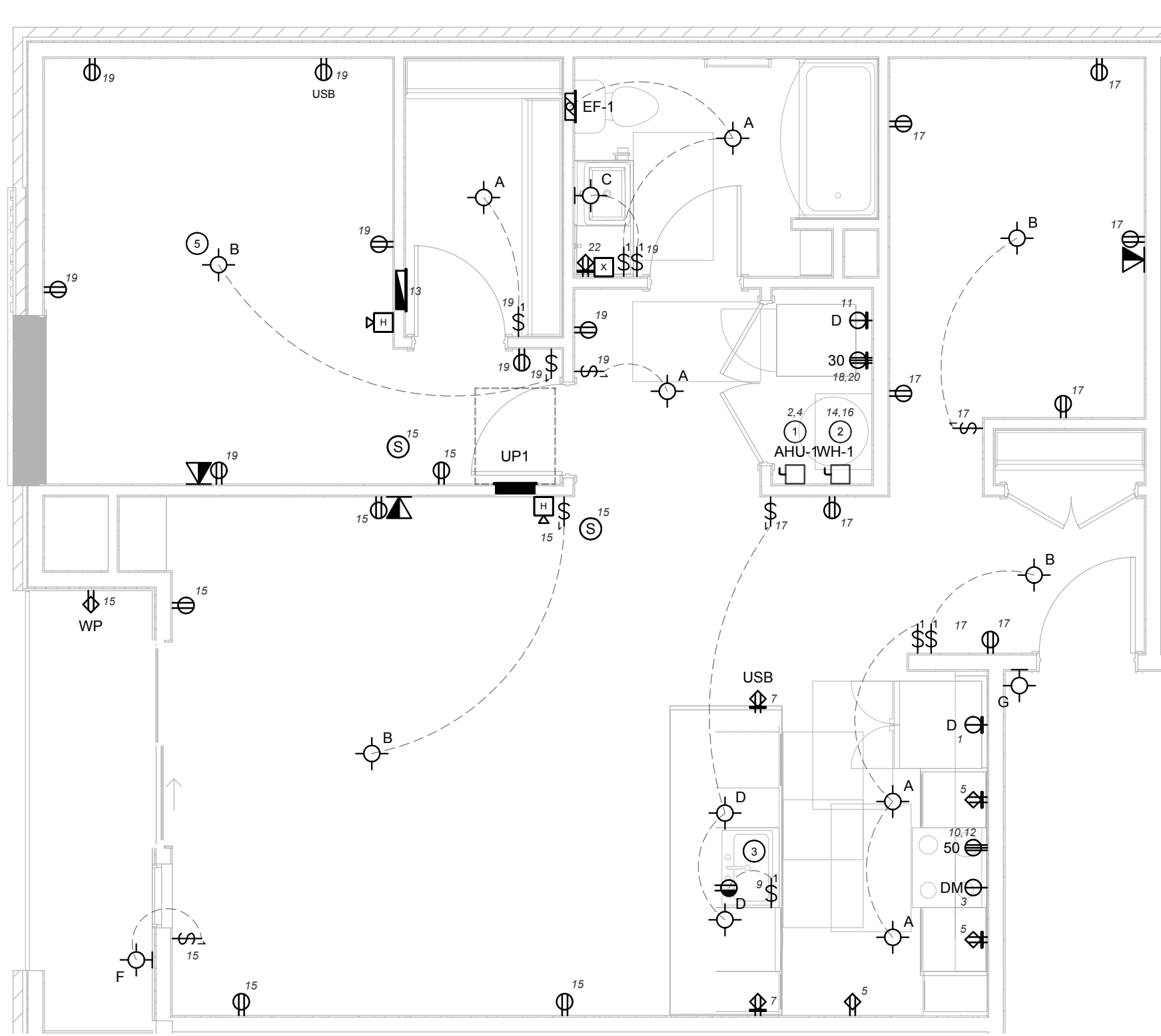
- ① ELECTRIC FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
- ② WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ③ PROVIDE SWITCH UNDER SINK FOR DISPOSAL.
- ④ EXTERIOR AIR CONDITIONER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
- ⑤ PROVIDE AND INSTALL CEILING FAN RATED BOX AND 3-WIRE SWITCHES FOR POSSIBLE FUTURE CEILING FAN WITH LIGHT INSTALLATION.
- ⑥ SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. VERIFY LOCATION OF EXTERIOR EQUIPMENT WITH MECHANICAL DRAWINGS. PROVIDE WIRING AND CONNECTION TO EXTERIOR UNIT (IF REQUIRED).
- ⑦ PROVIDE AND INSTALL SWITCHING FOR ROOM LIGHT FIXTURE AT THIS LOCATION ONLY ON UNITS WITH AN EXTERIOR ENTRANCE.
- ⑧ PROVIDE AND INSTALL FLOOR RECEPTACLE AT THIS LOCATION ONLY ON UNITS WITH STOREFRONT GLASS.



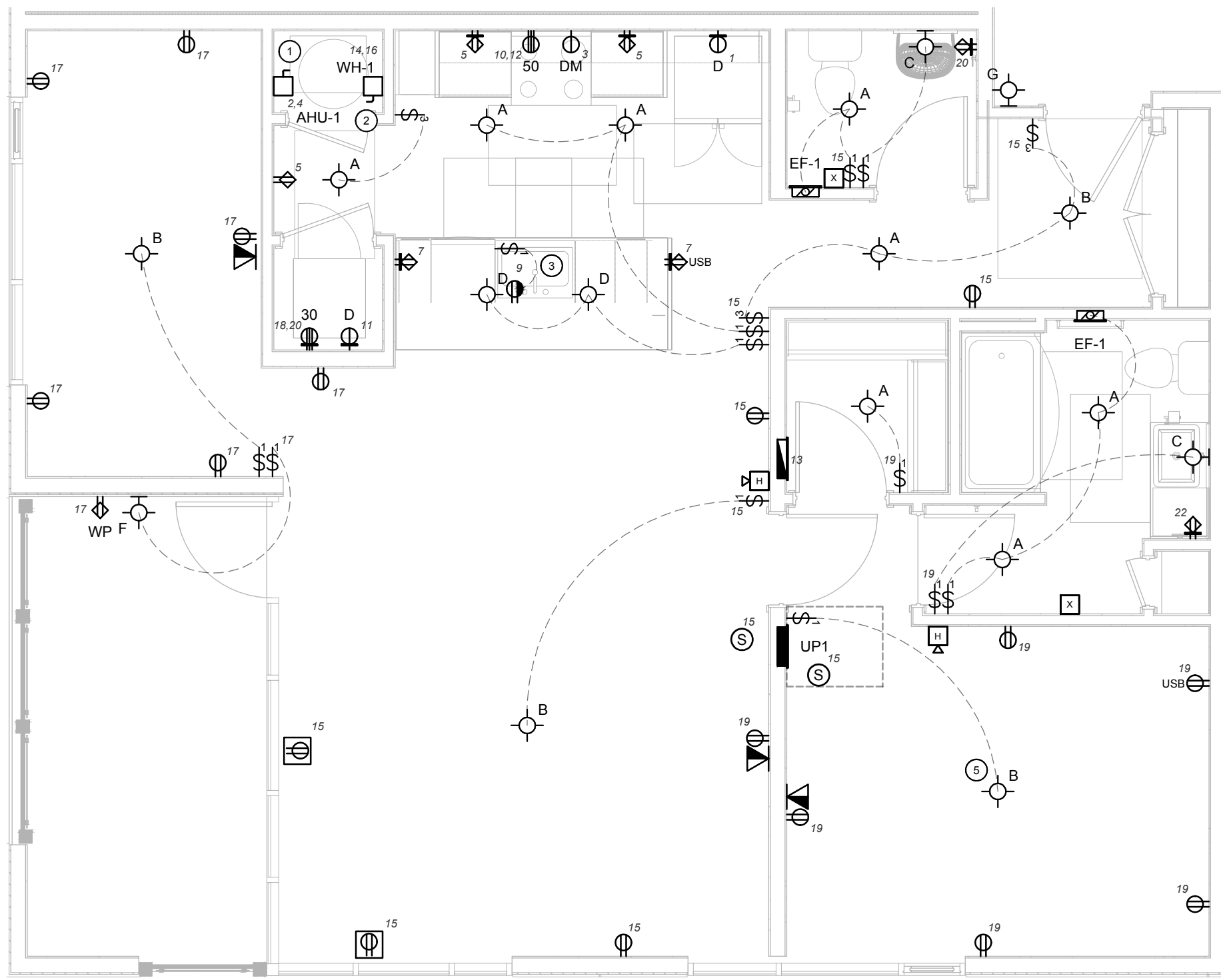
1 UNIT TYPE '1D' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



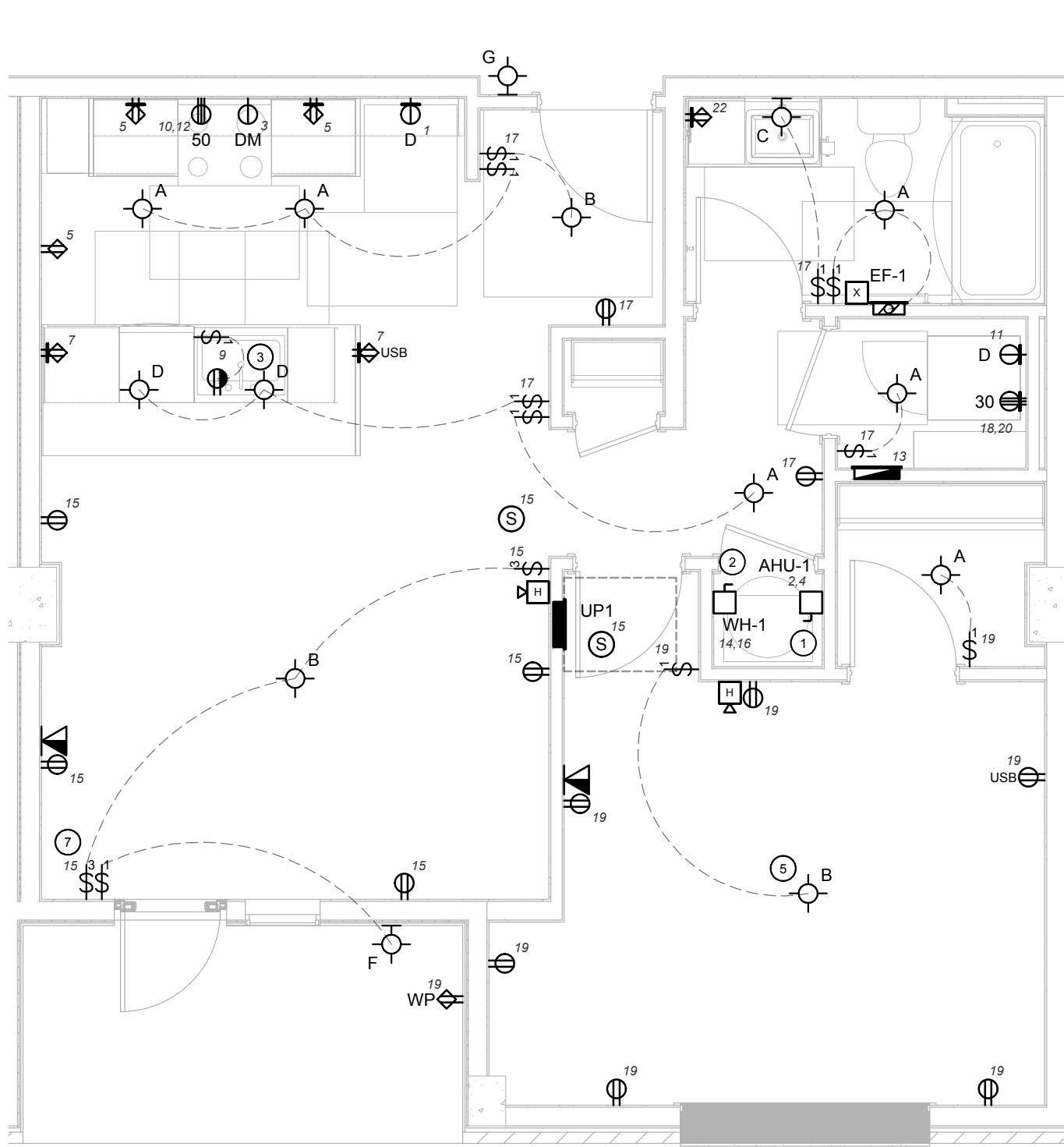
2 UNIT TYPE '1E' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



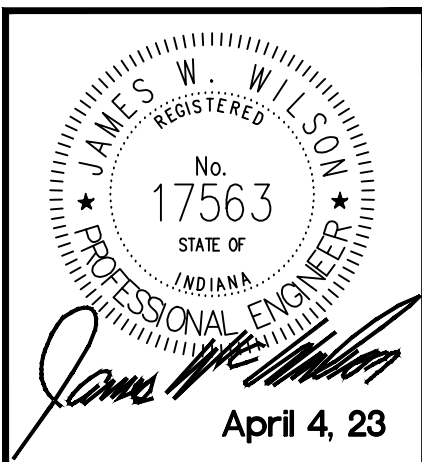
3 UNIT TYPE '1F' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



4 UNIT TYPE '1G' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"







#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

UNIT TYPES '1K', '1L', '1M', '1N', '2A', '2A' AND '2B' ELECTRICAL PLANS

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

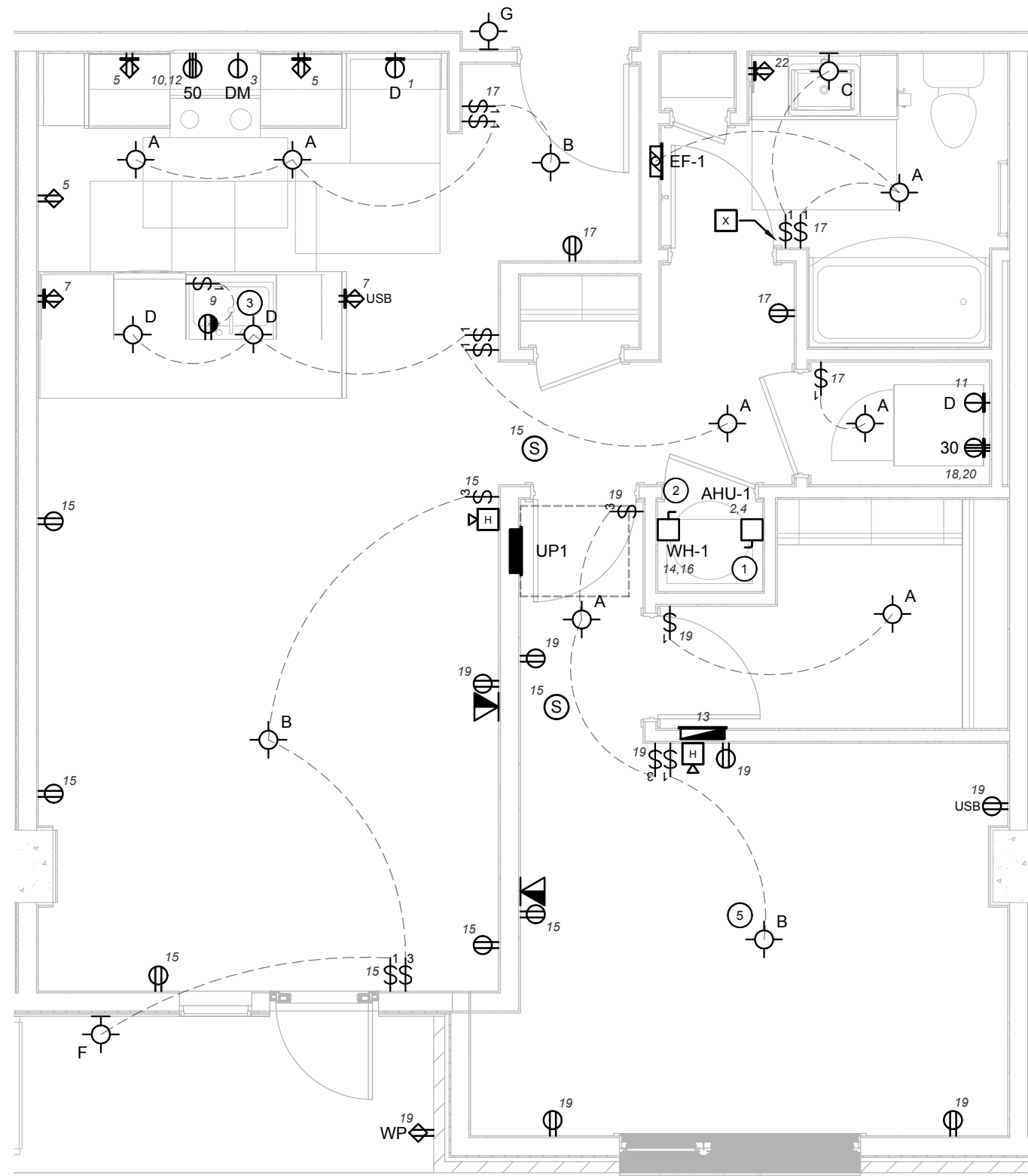
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#### GENERAL UNIT NOTES

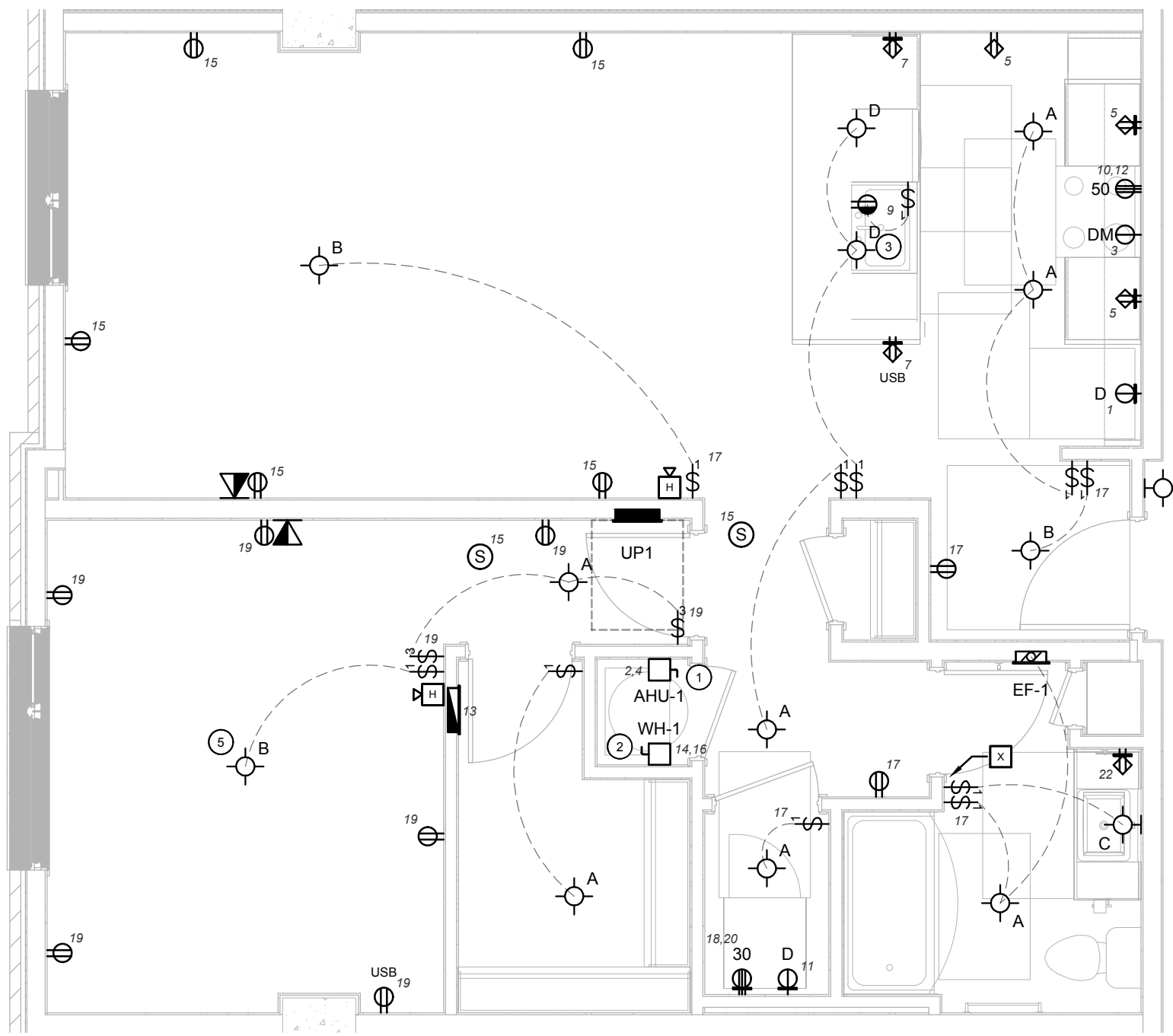
1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ELECTRICAL LOAD CENTERS IN UNITS ARE TO BE 48" TO TOP BREAKER FROM FINISHED FLOOR.
3. TO MAINTAIN FIRE AND SOUND RATINGS OF SHARED UNIT WALLS USE DEVICE BOXES RATED FOR APPLICATION (E.G. ALLED INULATED FIBERGLASS BOX). ALTERNATIVELY, SPICE BOXES ON OPPOSITE SIDES 24" APART ON USE PUTTY PADS TO MAINTAIN FIRE AND SOUND RATINGS.
4. PROVIDE A 30A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR WARE EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA DUTY". USE EXTERIOR RATED RECEPTACLES.
5. COMMON AREA LIGHTING FIXTURE TYPE G TO BE ON 24/7. FEED FROM LOCAL COMMON AREA LIGHTING CIRCUIT.

#### KEY UNIT NOTES

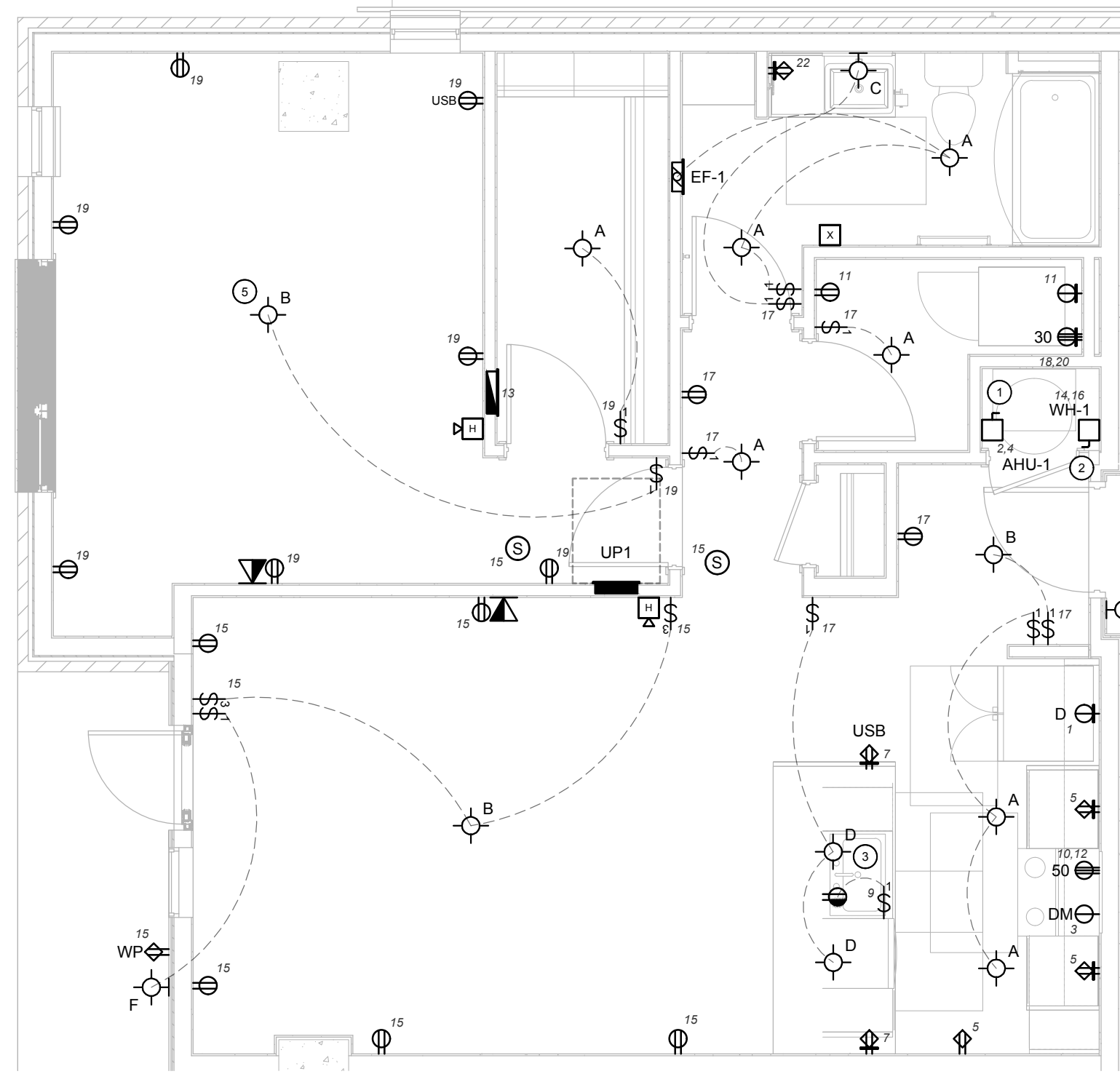
1. ELECTRIC FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
2. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
3. PROVIDE SWITCH UNDER SINK FOR DISPOSAL.
4. EXTERIOR AIR CONDITIONER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
5. PROVIDE AND INSTALL CEILING FAN RATED BOX AND 3-WIRE SWITCHES FOR POSSIBLE FUTURE CEILING FAN WITH LIGHT INSTALLATION.
6. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. VERIFY LOCATION OF EXTERIOR EQUIPMENT WITH MECHANICAL DRAWINGS. PROVIDE WIRING AND CONNECTION TO EXTERIOR UNIT (IF REQUIRED).
7. PROVIDE AND INSTALL SWITCHING FOR ROOM LIGHT FIXTURE AT THIS LOCATION ONLY ON UNITS WITH AN EXTERIOR ENTRANCE.
8. PROVIDE AND INSTALL FLOOR RECEPTACLE AT THIS LOCATION ONLY ON UNITS WITH STOREFRONT GLASS.



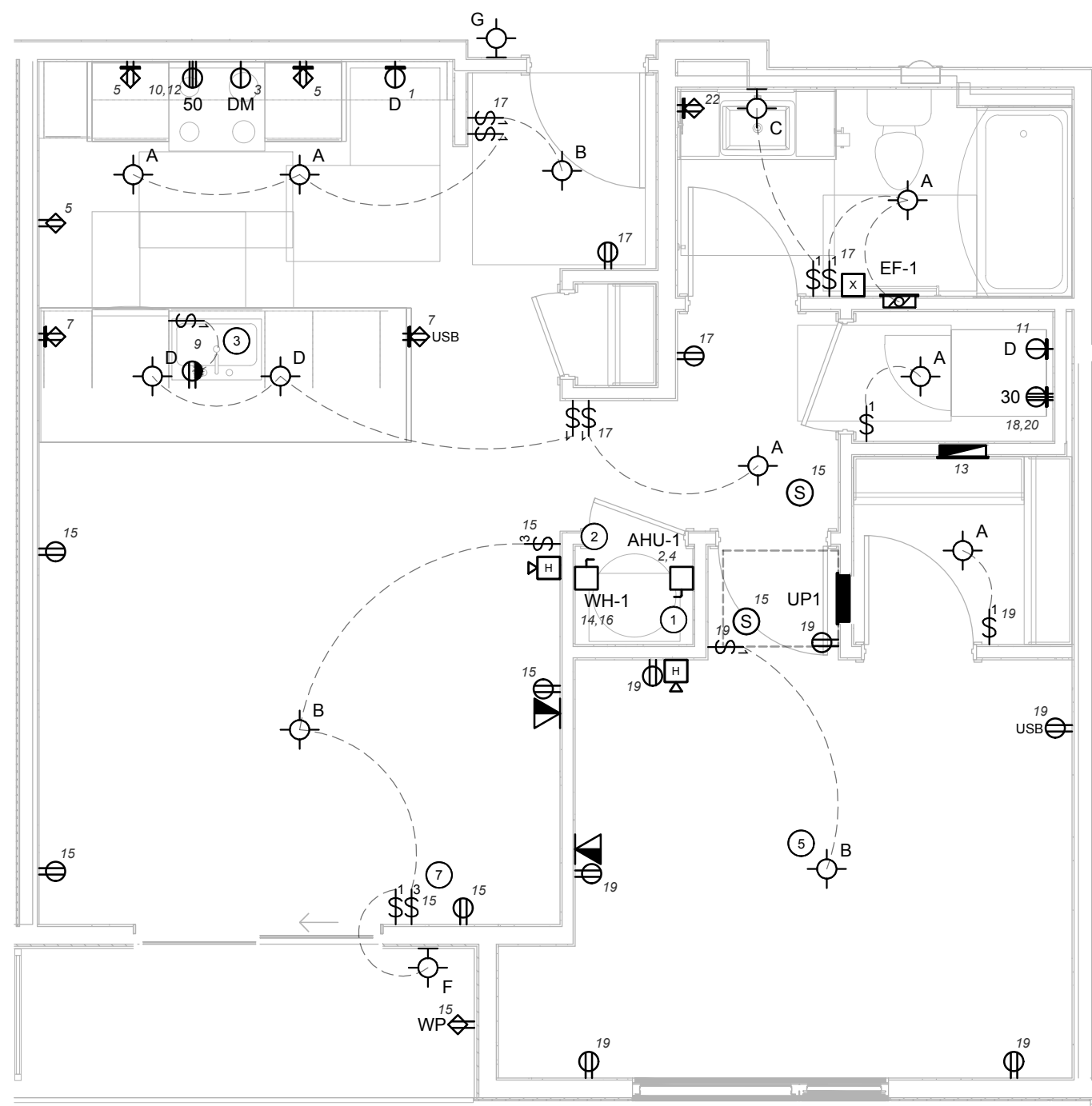
1 UNIT TYPE '1K' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



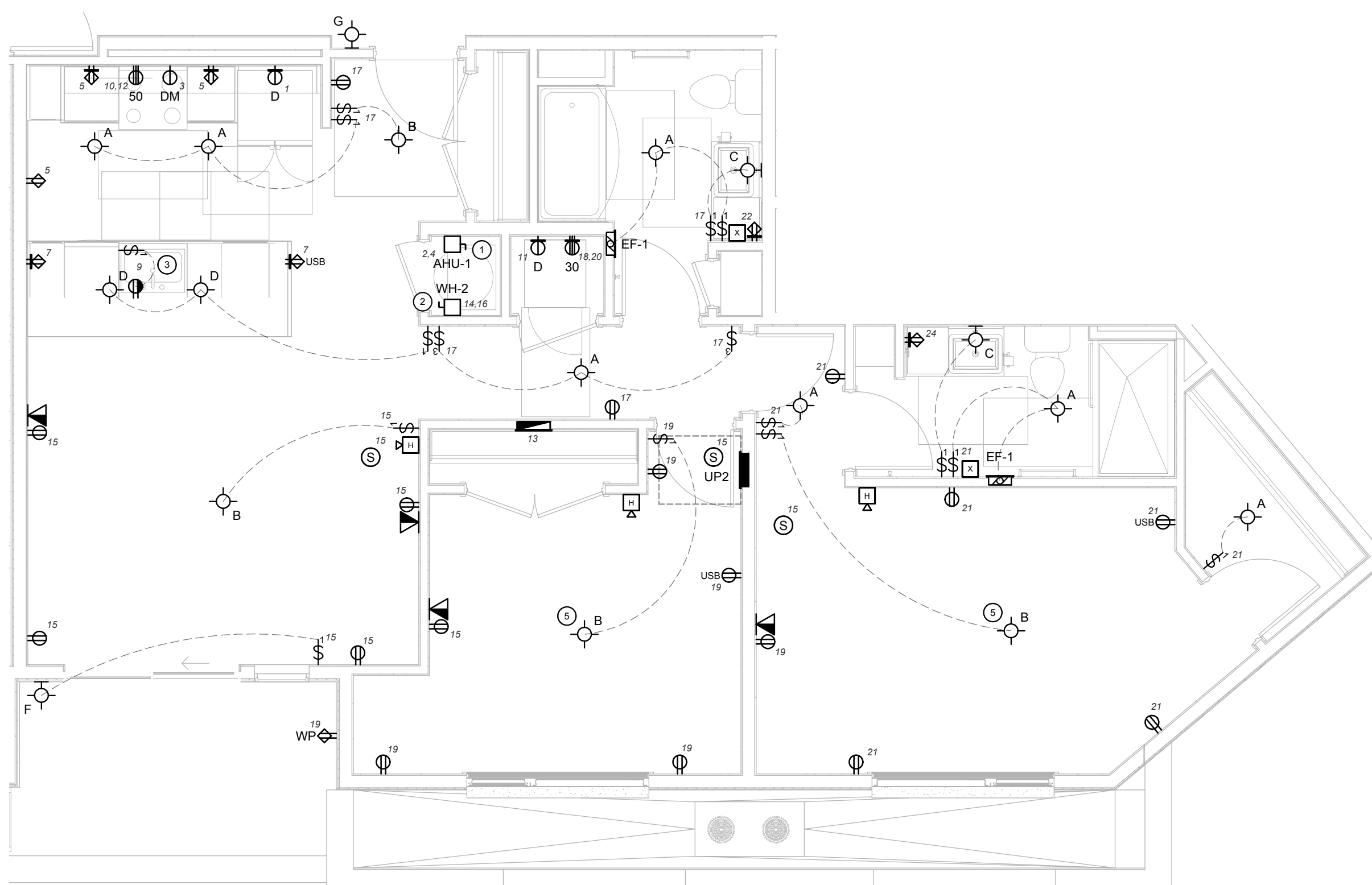
2 UNIT TYPE '1L' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



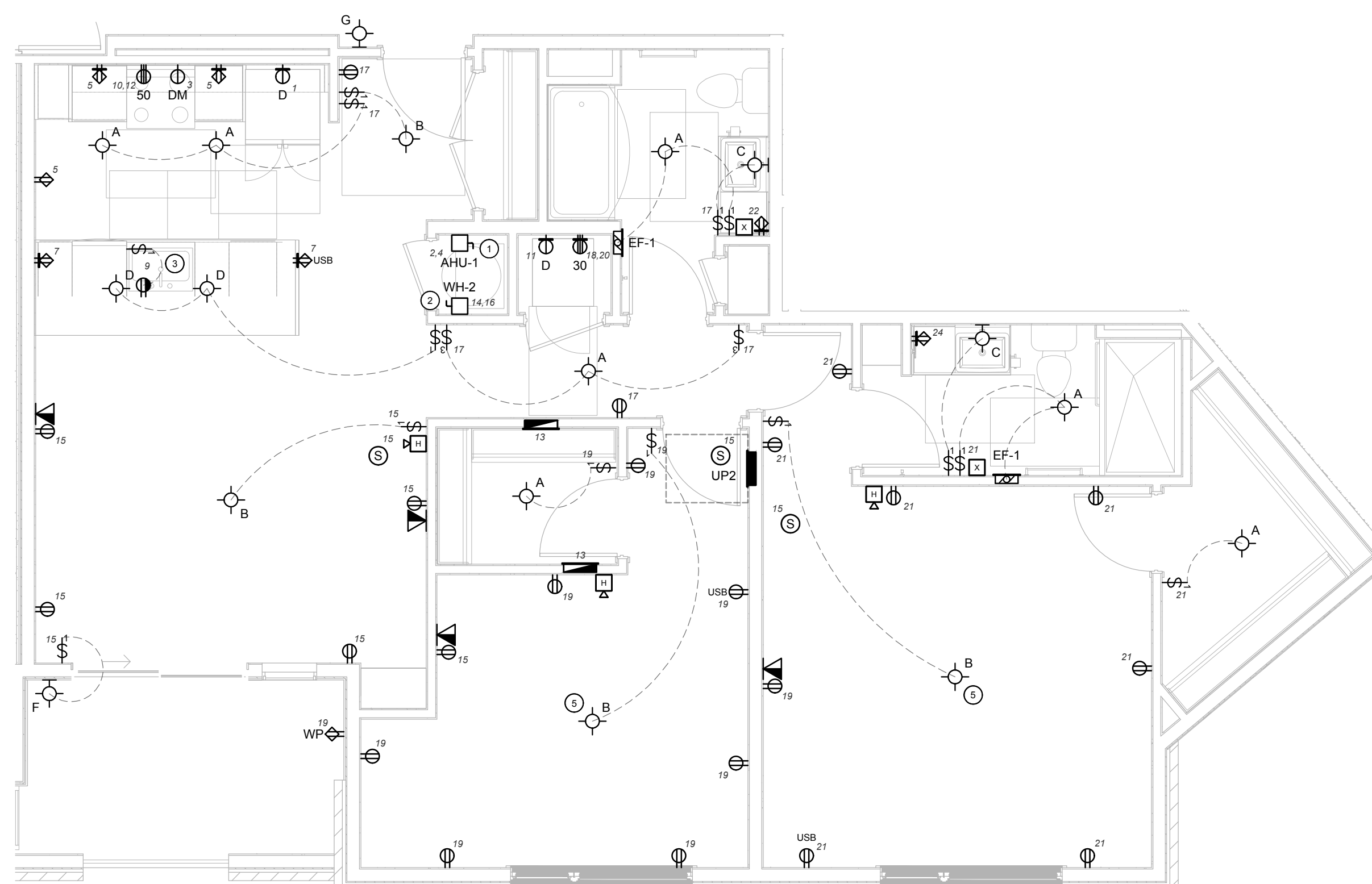
3 UNIT TYPE '1M' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



4 UNIT TYPE '1N' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"

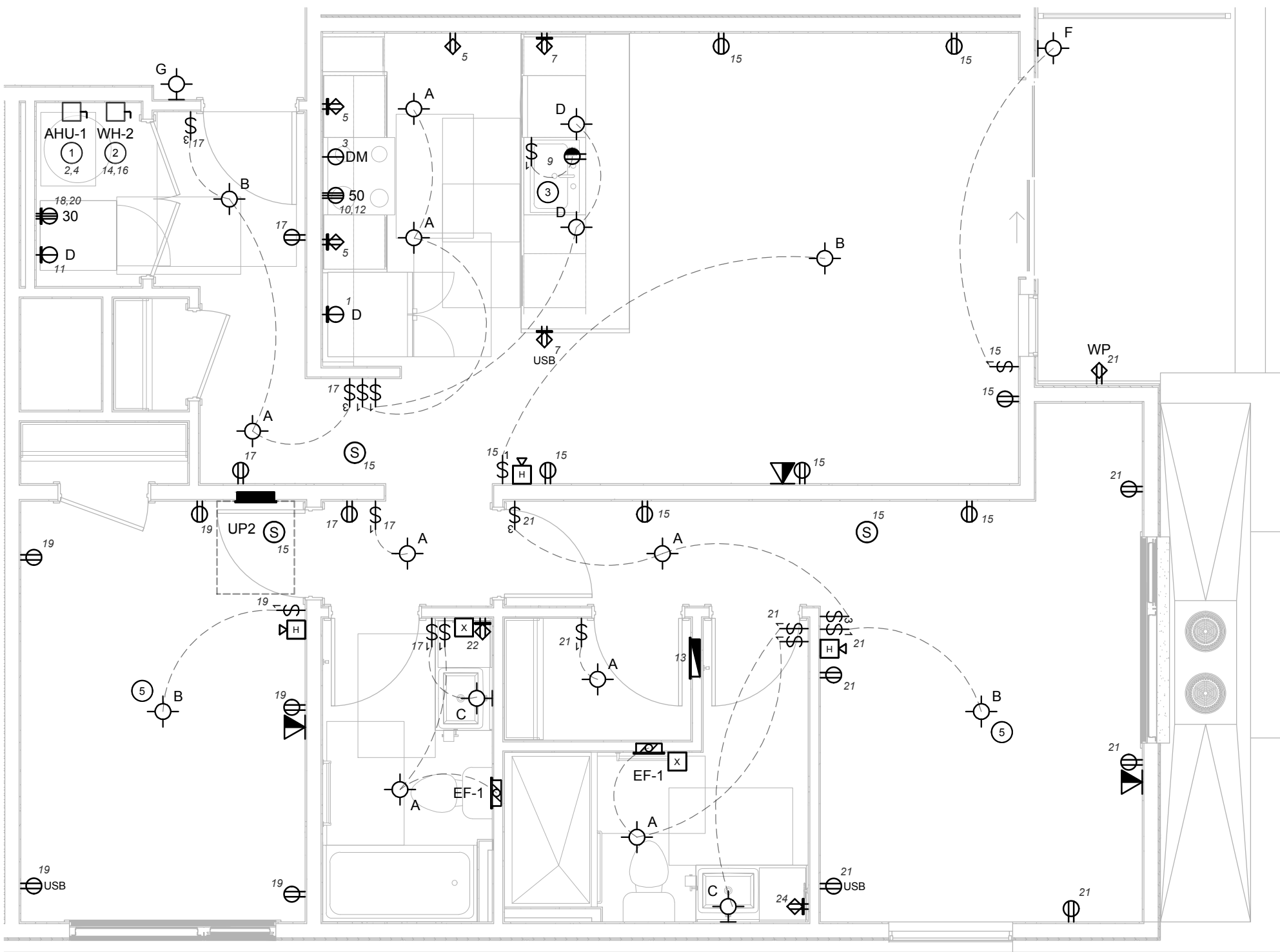


5 UNIT TYPE '2A' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"

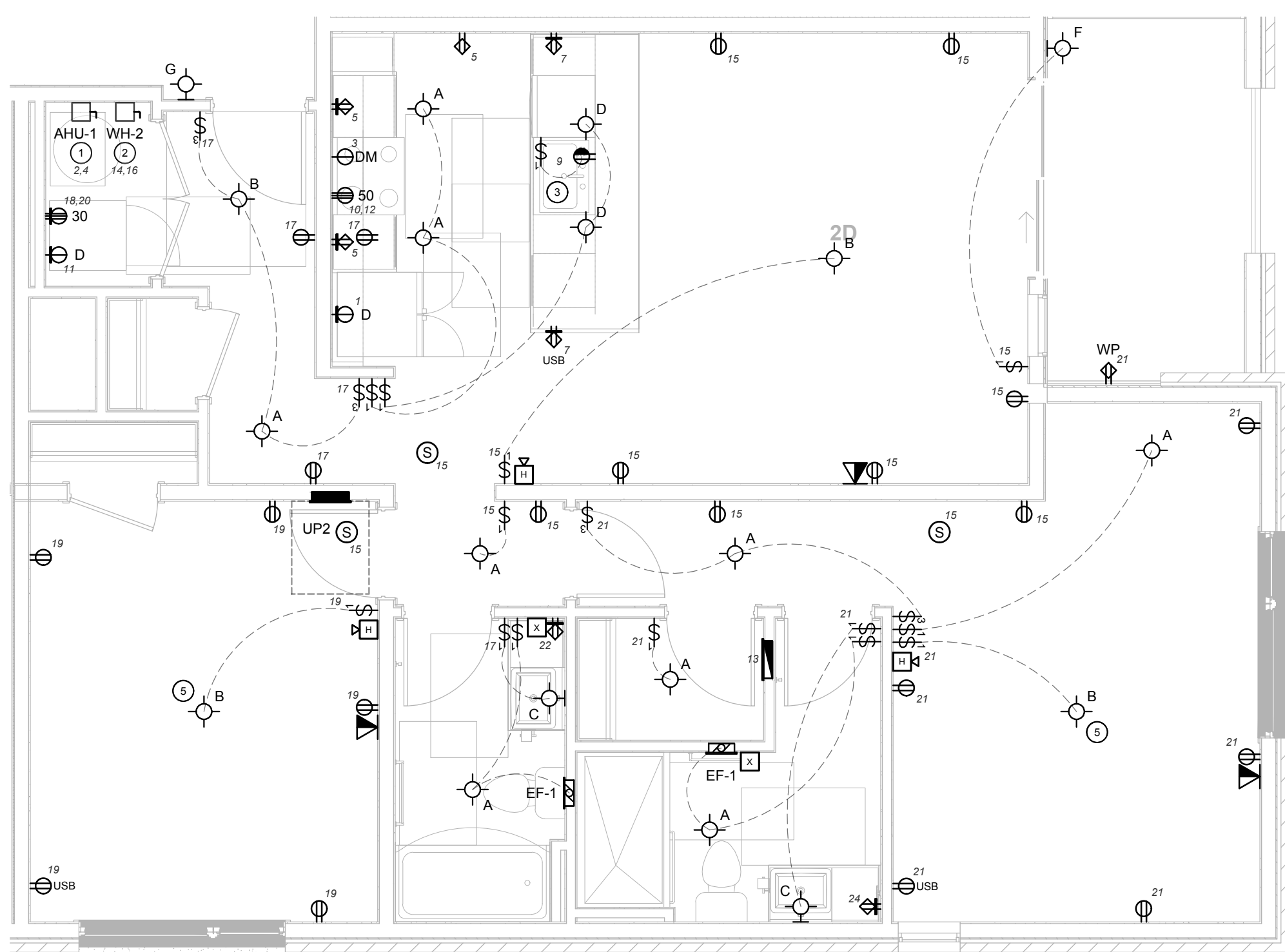


6 UNIT TYPE '2B' ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"

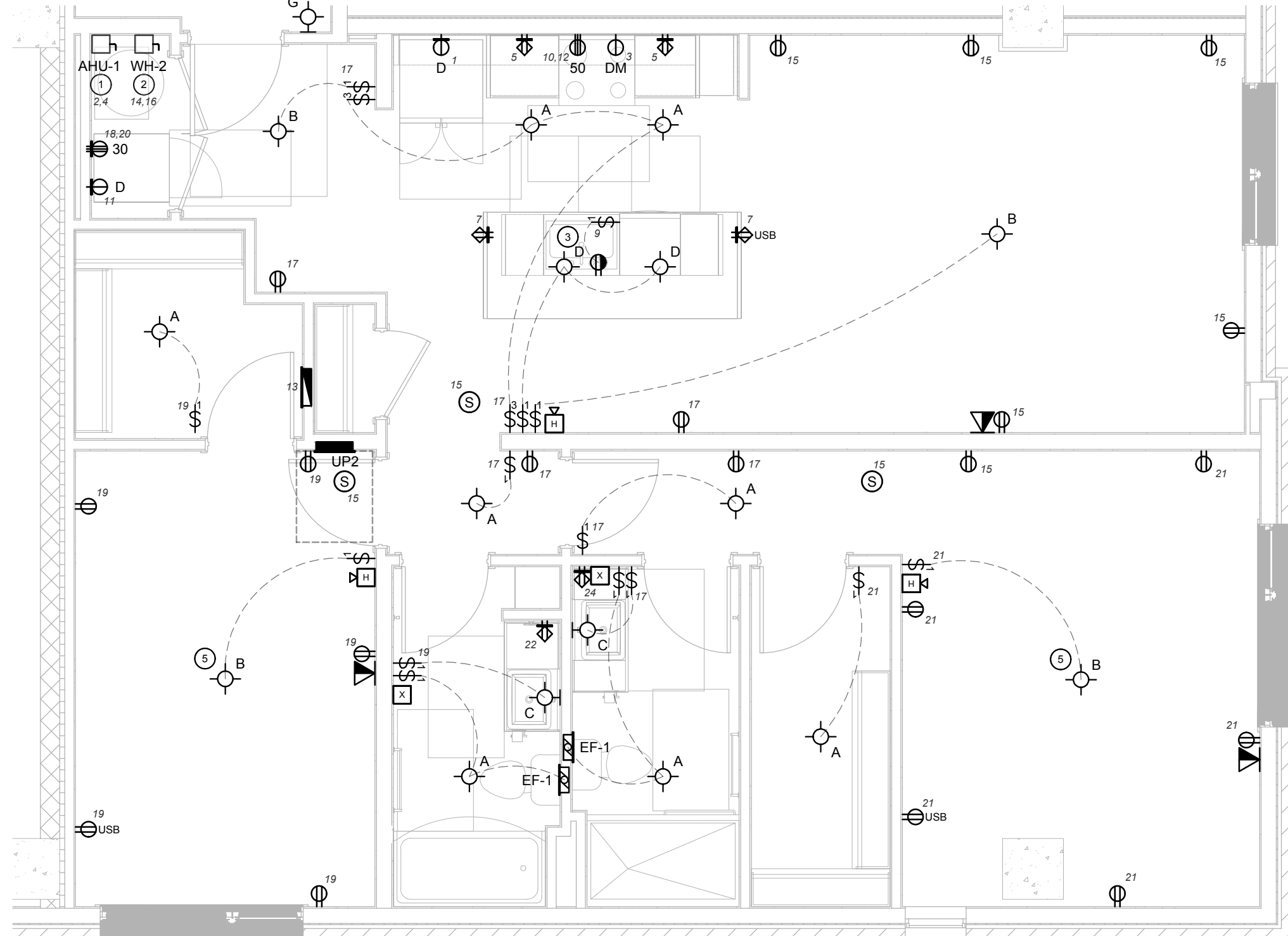




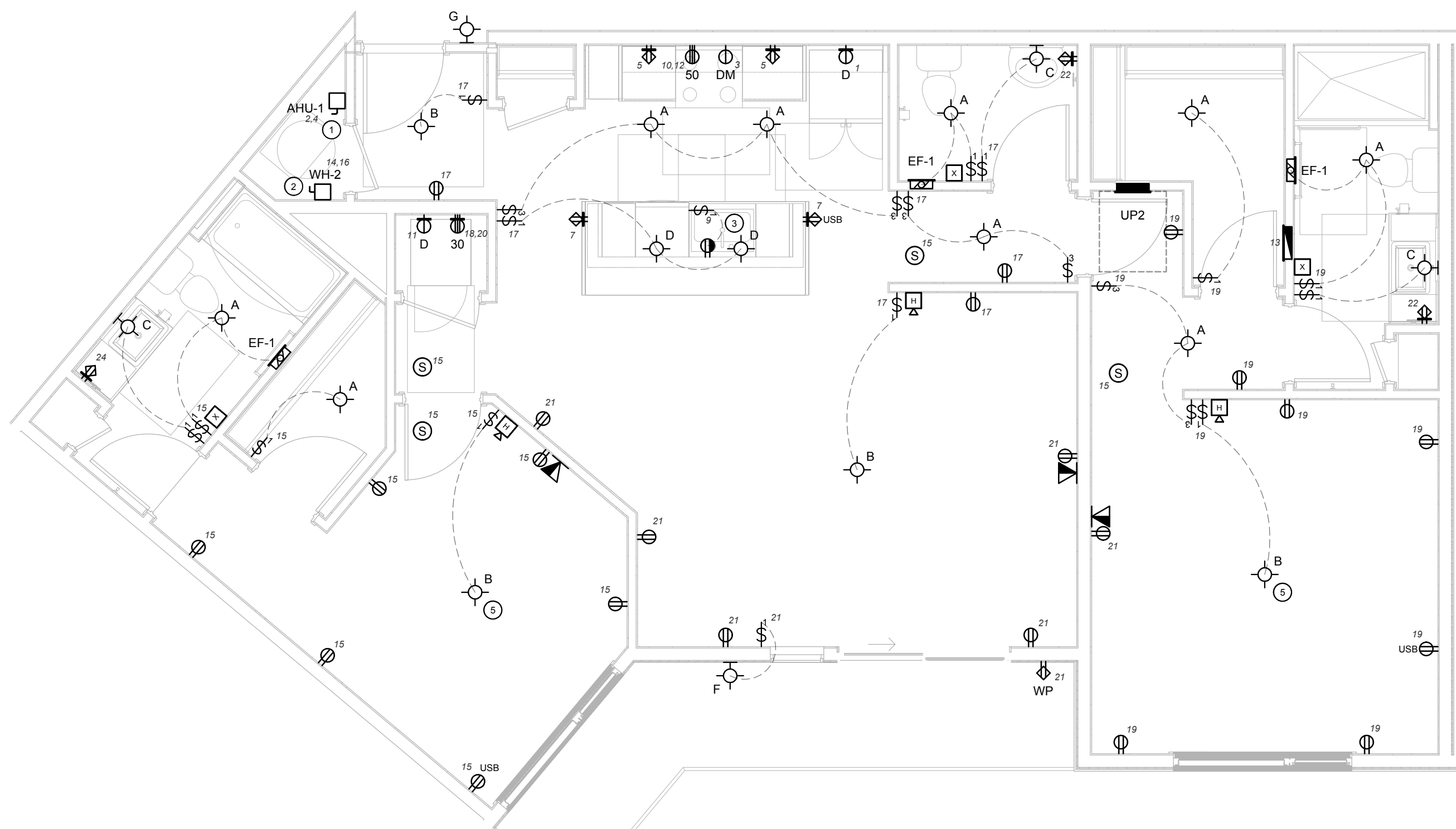
**1 UNIT TYPE '2C' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



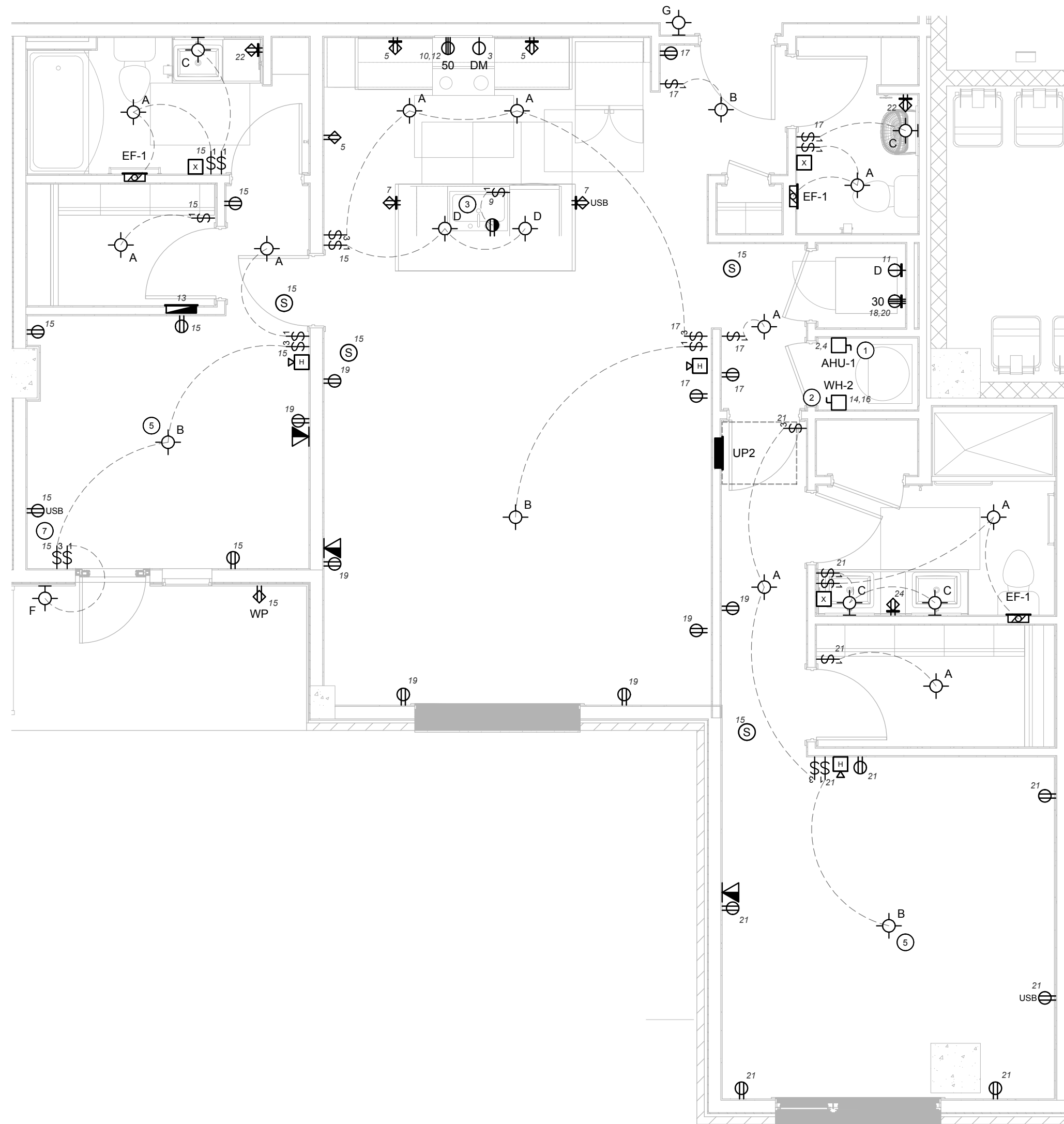
**2 UNIT TYPE '2D' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**3 UNIT TYPE '2F' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**4 UNIT TYPE '2E' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



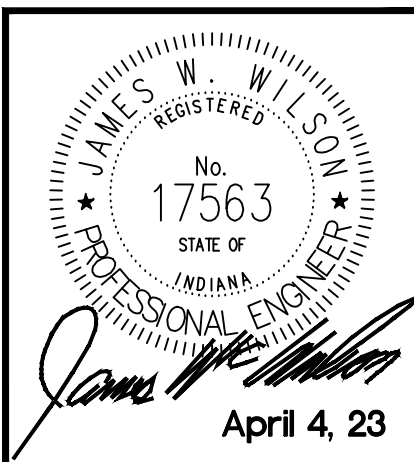
**5 UNIT TYPE '2G' ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL UNIT NOTES**

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO ROUGH IN.
2. ELECTRICAL LOAD CENTERS IN UNITS ARE TO BE 48" TO TOP BREAKER FROM FINISHED FLOOR.
3. TO MAINTAIN FIRE AND SOUND RATINGS OF SHARED UNIT WALLS USE DEVICE BOXES RATED FOR APPLICATION (E.G. ALLED INDOULZED, FIBERGLASS BOX, ALTERNATIVELY, SPICE BOXES ON OPPOSITE SIDES 24" APART ON USE PUTTY PADS TO MAINTAIN FIRE AND SOUND RATINGS.
4. PROVIDE A 30A 120V GFCI PROTECTED RECEPTACLE WITHIN 25' OF ALL EXTERIOR WARE EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA DUTY". USE EXTERIOR RATED RECEPTACLES.
5. COMMON AREA LIGHTING FIXTURE TYPE G TO BE ON 24/7. FEED FROM LOCAL COMMON AREA LIGHTING CIRCUIT.

**KEY UNIT NOTES**

1. ELECTRIC FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
2. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
3. PROVIDE SWITCH UNDER SINK FOR DISPOSAL.
4. EXTERIOR AIR CONDITIONER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
5. PROVIDE AND INSTALL CEILING FAN RATED BOX AND 3-WIRE SWITCHES FOR POSSIBLE FUTURE CEILING FAN WITH LIGHT INSTALLATION.
6. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. VERIFY LOCATION OF EXTERIOR EQUIPMENT WITH MECHANICAL DRAWINGS. PROVIDE WIRING AND CONNECTION TO EXTERIOR UNIT (IF REQUIRED).
7. PROVIDE AND INSTALL SWITCHING FOR ROOM LIGHT FIXTURE AT THIS LOCATION ONLY ON UNITS WITH AN EXTERIOR ENTRANCE.
8. PROVIDE AND INSTALL FLOOR RECEPTACLE AT THIS LOCATION ONLY ON UNITS WITH STOREFRONT GLASS.



**# REVISION DATE**

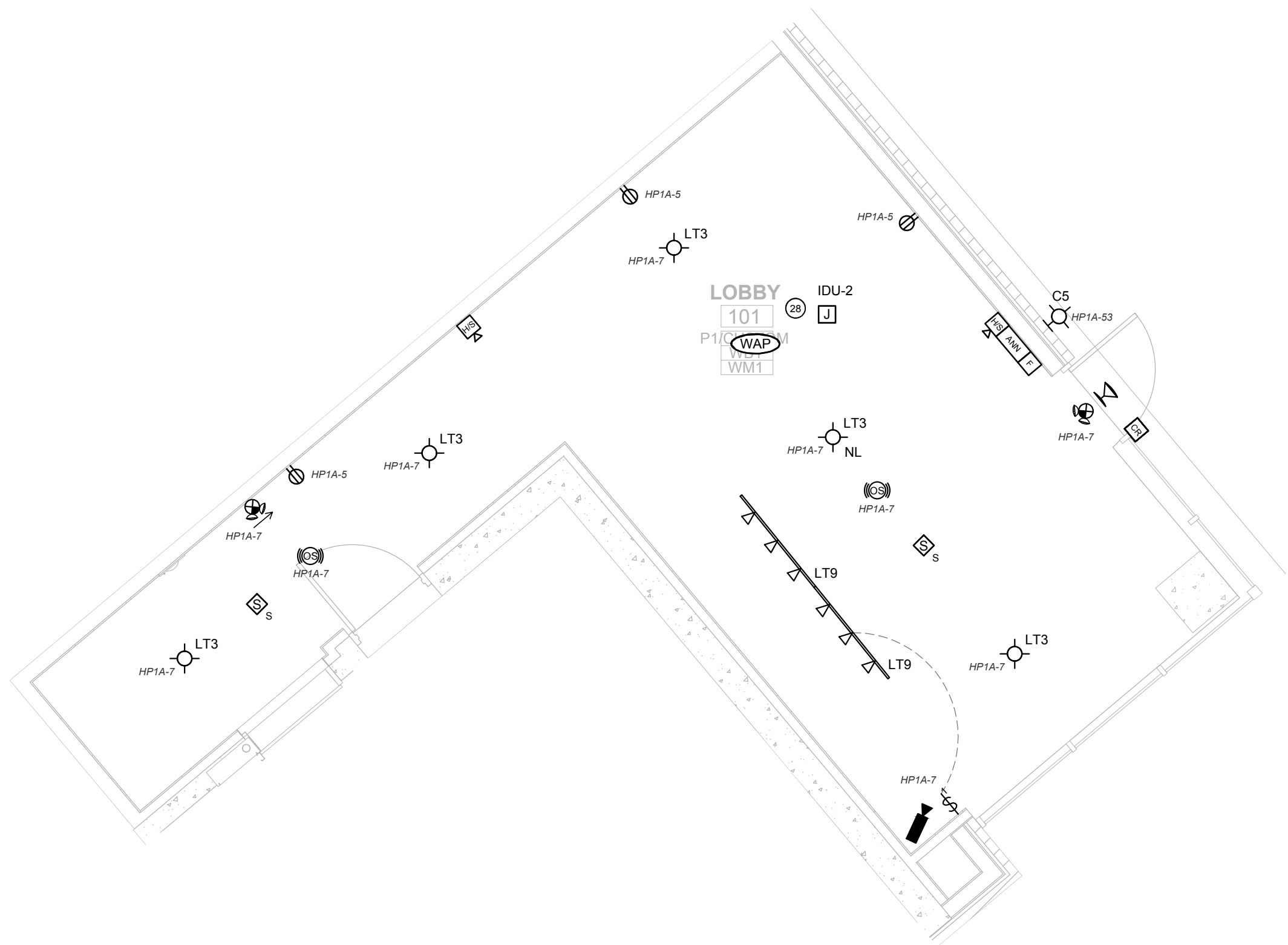
1 Post-Bid Addendum #4 5/1/23

**LINK**  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203  
**UNIT TYPES '2C', '2D', '2E', '2F' AND '2G' ELECTRICAL PLANS**

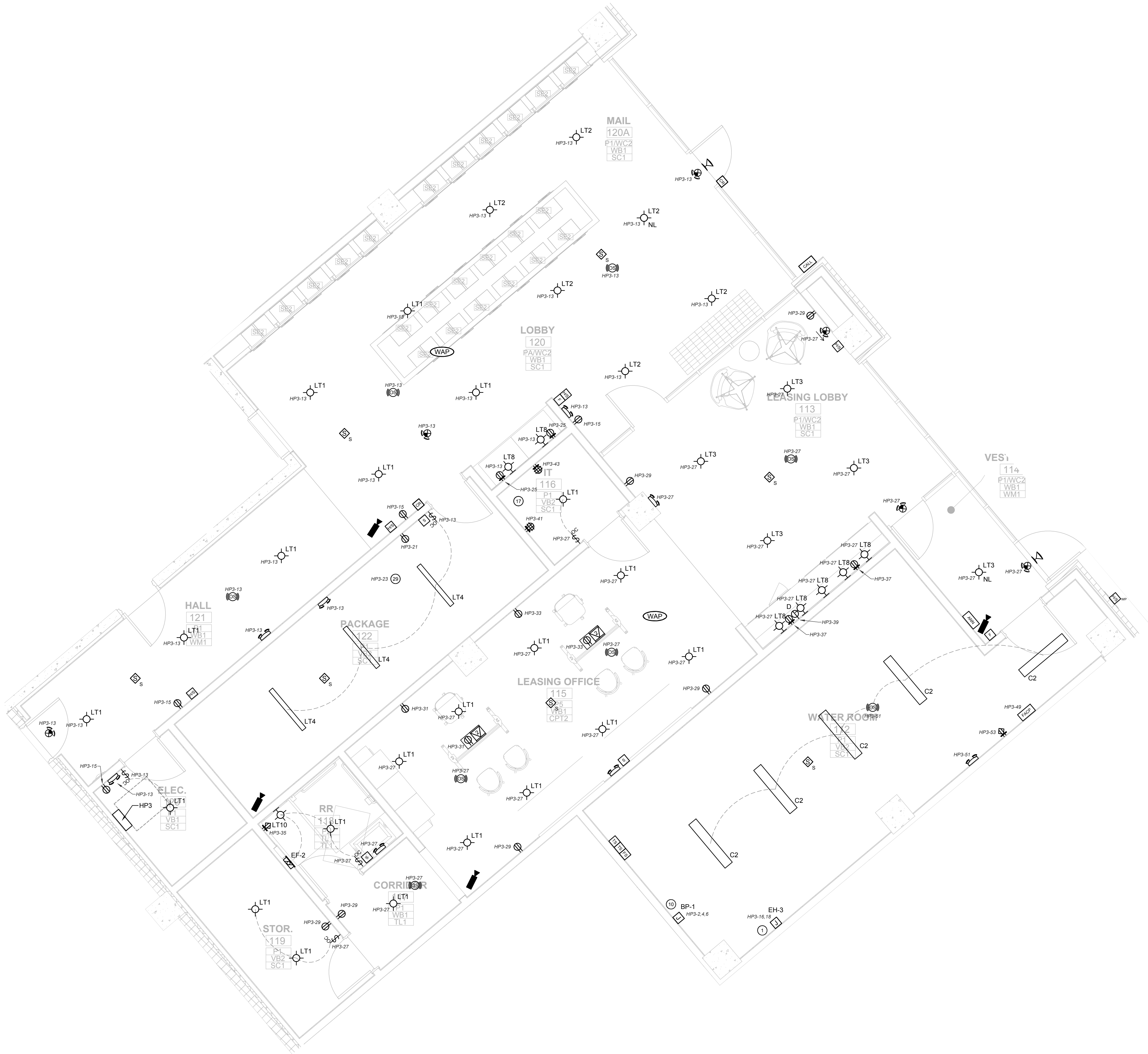
100% CONSTRUCTION DOCUMENTS  
DATE: 4/4/23

SHEET NO.  
**E205**





**1 FIRST FLOOR SECONDARY LOBBY - ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



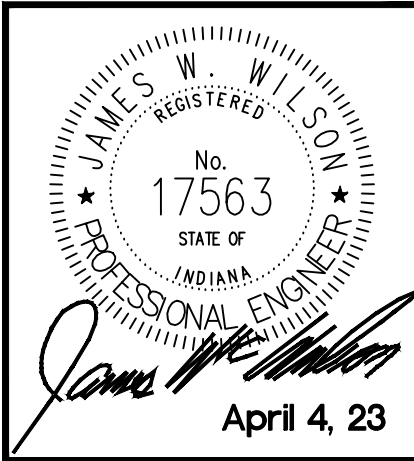
**2 FIRST FLOOR MAIN LOBBY - ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

## GENERAL COMMON AREA NOTES

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO POUGH N.
2. ALL EXTERIOR LIGHTING AND IRIGS ARE CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLS CIRCUIT.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 2' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PV SWITCHES (IF REQUIRED). PV SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

## KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED, BY OTHERS.
4. ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD. (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
17. FORMER AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD. (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECT (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



## # REVISION DATE

1	Post-Bid Addendum #4	5/1/23
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**LINK**

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

**FIRST FLOOR LOBBIES AND AMENITY AREAS - ELECTRICAL PLANS**

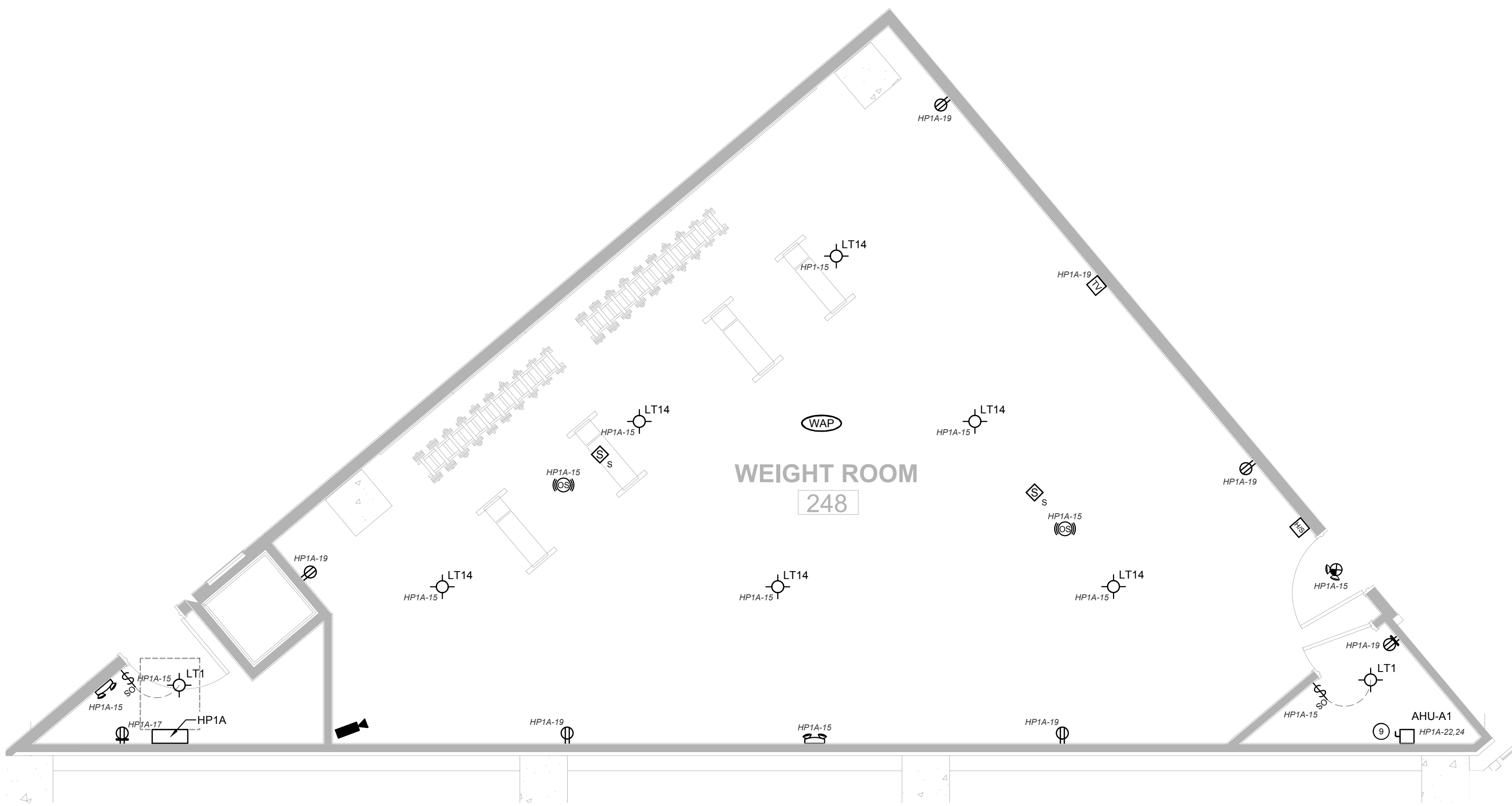
100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

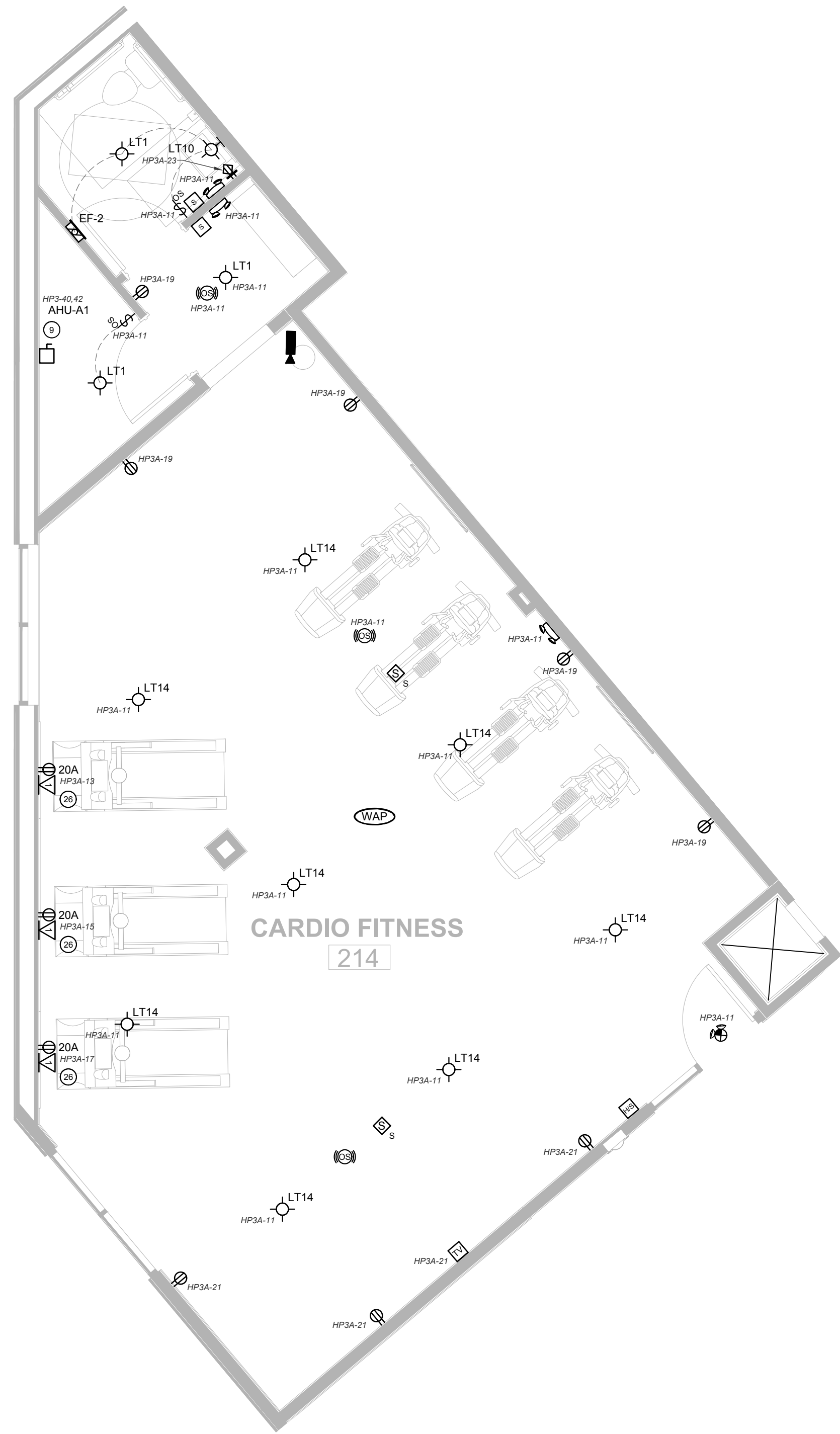
SHEET NO.

**E501**

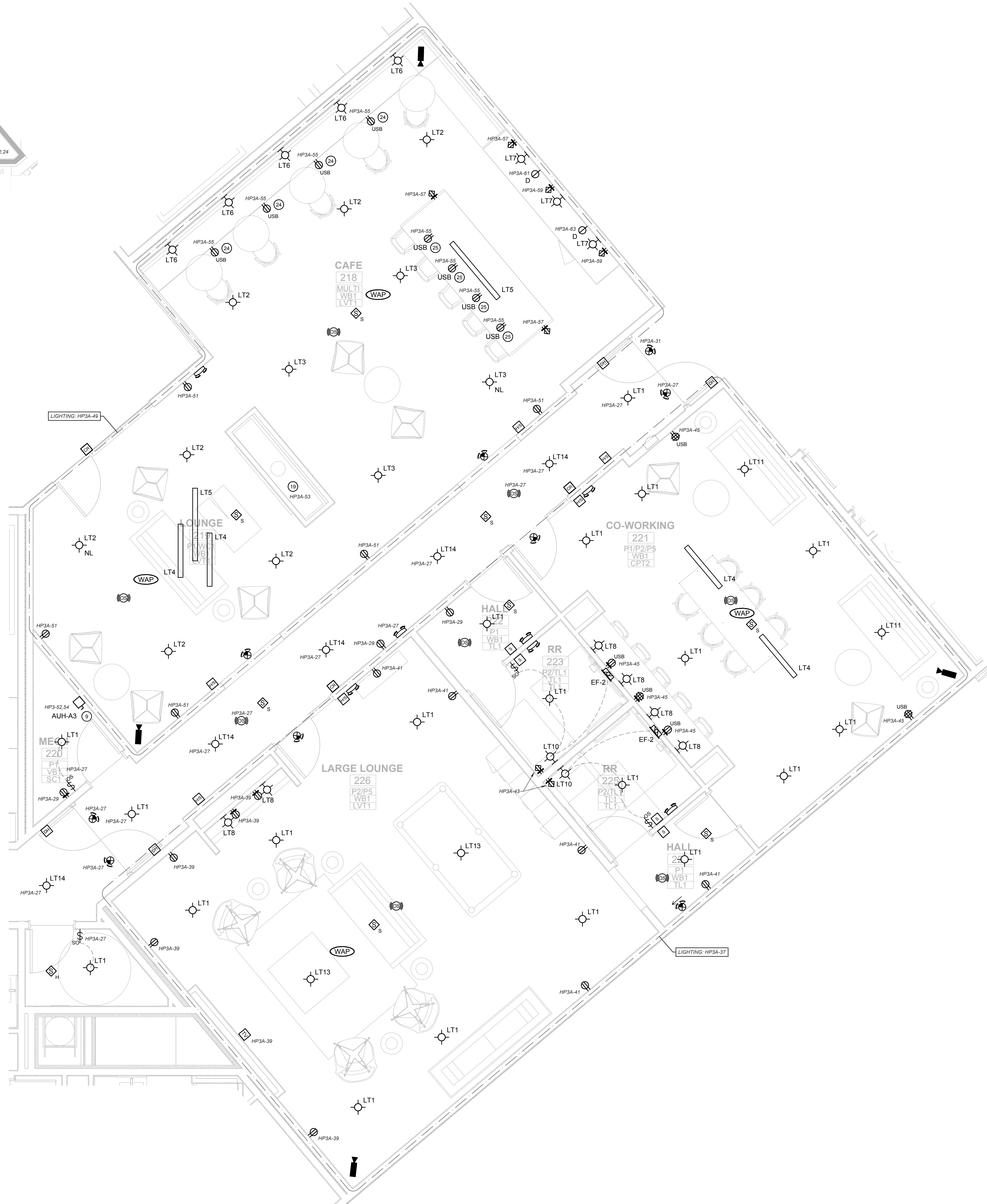




**1 WEIGHT ROOM - ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**2 FITNESS ROOM - ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



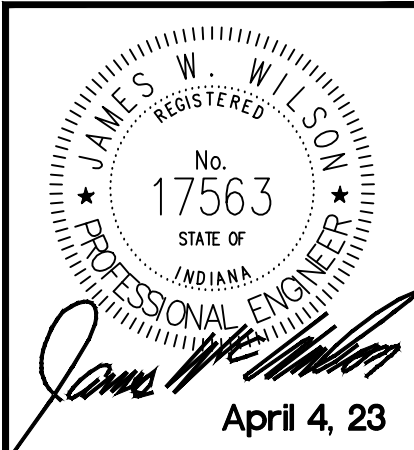
**3 SECOND FLOOR AMENITY AREA - ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

## GENERAL COMMON AREA NOTES

1. VERIFY ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH INSTALLERS PRIOR TO POURING IN.
2. ALL EXTERIOR LIGHTING AND DECKS CONTROLLED BY PHOTOCELL, UNLESS OTHERWISE NOTED. PROVIDE LIGHTING CONTRACTOR FOR ALL CONTROLS CIRCUIT.
3. PROVIDE A 20A 120V GFCI PROTECTED RECEPTACLE WITHIN 20' OF ALL EXTERIOR MECHANICAL EQUIPMENT. USE "IN-USE" STYLE WEATHER PROOF COVERS IDENTIFIED AS "EXTRA-DUTY". USE EXTERIOR RATED RECEPTACLES.
4. PROVIDE CONDUIT AND WIRING FOR MONITORING OF PH SWITCH (IF REQUIRED). PH SWITCH PROVIDED, INSTALLED AND ADJUSTED BY OTHERS.
5. PROVIDE FIRE ALARM SYSTEM MONITORING OF ALL SPRINKLER VALVES AS NEEDED. VERIFY LOCATIONS WITH FPC.

## KEY COMMON AREA NOTES

1. ELECTRIC HEATER BY M.C. PROVIDE WIRING AND CONNECTION.
2. EXHAUST FAN BY M.C. PROVIDE WIRING, DISCONNECT (IF SHOWN) AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
3. EXHAUST FAN BY M.C. PROVIDE WIRING AND CONNECTION. CONNECT WITH LOCAL AREA LIGHTING CIRCUIT. CONTROL WIRING IF REQUIRED BY OTHERS.
4. ABOVE CEILING HEATER BY M.C. PROVIDE WIRING, DISCONNECT AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
5. CIRCULATION FAN BY M.C. PROVIDE WIRING AND RECEPTACLE.
6. TRASH COMPACTOR BY OTHERS. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
7. EXTERIOR HVAC UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
8. WATER HEATER BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION.
9. FURNACE BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
10. BOOSTER PUMP BY M.C. PROVIDE CIRCUIT, DISCONNECT (IF REQUIRED) AND CONNECTION.
11. FUTURE DUAL EV CHARGING STATION. PROVIDE CIRCUIT IN JUNCTION BOX. PROVIDE (1) CAT5 CABLE IN JUNCTION BOX FROM NETWORK SWITCH LOCATION.
12. PROVIDE DEDICATED CIRCUIT AND (1) CAT5 CABLE TO FIRE ALARM CONTROL PANEL FROM TELEPHONE D-MARK. AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
13. PROVIDE (1) CAT5 CABLE TO ELEVATOR CONTROL BOX FROM TELEPHONE D-MARK AND (1) CAT5 FROM NETWORK SWITCH LOCATION.
14. GATE OR OVERHEAD DOOR BY OTHERS. PROVIDE WIRING AND CONNECTION. CONTROL WIRING IF REQUIRED, BY OTHERS.
15. LIGHT FIXTURE ON DURING DAYLIGHT HOURS ONLY. PROVIDE CONTROLS FOR OPERATION.
16. FORMER AREA PROVIDE (2) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
17. FORMER AREA PROVIDE (1) 4X8 SHEET OF FIRE RATED PLYWOOD, (1) TERMINAL STRIP WITH #6 COPPER FROM ELECTRICAL SYSTEM FOR INTERSYSTEM BONDING. PROVIDE AND INSTALL CONDUIT WITH PULL STRING TO LOCATIONS SHOWN ON LOW VOLTAGE CONDUIT LAYOUT PLAN ON PAGE E1018 DETAIL 2.
18. FIRE PROTECTION SYSTEM FIRE PUMP AND JOCKEY PUMP BY OTHERS. PROVIDE WIRING AND DISCONNECT (IF REQUIRED). MONITOR WITH SYSTEM FIRE ALARM AS NEEDED.
19. FIREPLACE BY OTHERS. PROVIDE WIRING AND CONNECTION.
20. NOT USED. SIGN BY OTHERS. PROVIDE CIRCUIT AND DISCONNECT (IF REQUIRED).
21. NOT USED. PROVIDE GFCI PROTECTED CIRCUIT AND CONNECTION FOR DRINKING FOUNTAIN. VERIFY REQUIREMENTS WITH INSTALLER.
22. NOT USED. PROVIDE WIRING AND BUTTON FOR EMERGENCY GAS SHUT OFF. VERIFY LOCATION WITH G.C.
23. PROVIDE 2" CONDUIT FROM MDF ROOM TO RETAIL SPACE WITH PULL STRING FOR FUTURE USE.
24. RECEPTACLE OUTLET TO BE 16.5" TO TOP OF PLATE A.F.F.
25. RECEPTACLE OUTLET TO BE 22" TO TOP OF PLATE A.F.F.
26. RECEPTACLE AND DATA OUTLET TO BE 11" TO TOP OF PLATE A.F.F.
27. RECEPTACLES TO BE INSTALLED AT SAME LEVEL AS EXTERIOR HVAC UNIT EQUIPMENT.
28. SPLIT UNIT BY M.C. PROVIDE CIRCUIT, DISCONNECT AND CONNECTION FOR EXTERIOR UNIT. PROVIDE WIRING AND CONNECTION TO INTERIOR UNIT (IF REQUIRED).
29. PACKAGE SYSTEM BY OTHERS. PROVIDE POWER AND DATA AS REQUIRED.
30. PROVIDED ACCESS CONTROL CABLEING AND CARD READER FOR ELEVATOR CAB. VERIFY REQUIREMENTS WITH ELEVATOR INSTALLER.
31. RECEPTACLE FOR STRING LIGHTING. VERIFY FINAL LOCATIONS WITH OWNER.
32. CUSTOM SHADE STRUCTURE AND ASSOCIATED ELECTRICAL BY OTHERS. PROVIDE CIRCUIT IN JUNCTION BOX.
33. GRILL STATION BY OTHERS. PROVIDE RECEPTACLE FOR GRILL.



## # REVISION DATE

1 Post-Bid Addendum #4 5/1/23

**LINK**

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

**SECOND FLOOR AMENITY AREAS - ELECTRICAL PLANS**

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

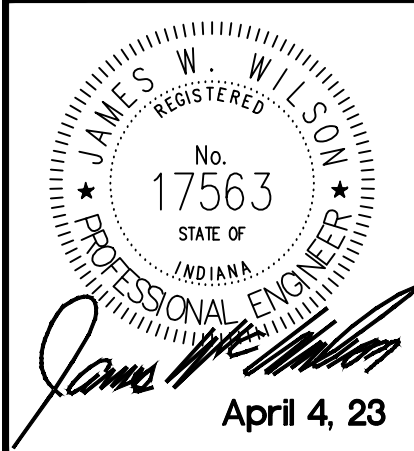
SHEET NO.

**E502**



GENERAL PANEL  
SCHEDULE NOTES

1. VERIFY REQUIRED K.A.I.C. RATINGS BEFORE PURCHASE AND INSTALL  
OF ELECTRICAL EQUIPMENT.
2. CONFIRM BREAKER SIZES AND CIRCUITS REQUIRED FOR  
MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.



# REVISION DATE

1 Post-Bid Addendum #4 5/1/23

LINK  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203  
ELECTRICAL PANEL SCHEDULES

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO.

E601

HP1					
400A MAIN BREAKER 120/208V 3Ø NEMA 1 22KAIC					
CIR #	DESCRIPTION	SIZE	DESCRIPTION	CIR #	
1	N.W. STAIRWELL LIGHTING	20		NORTHWEST STAIRWELL	2
3	N.W. STAIRWELL RECEPTACLES	20	20	WALL HEATER EH-1	4
5	1ST FLR N.W. CORRIDOR LIGHT	20	30	1ST FLOOR N.W. CORRIDOR	6
7	1ST FLR N.W. CORRIDOR REC	20		FURNACE AHU-C1	8
9	MEZZ LVL N.W. STORAGE REC	20	15	1ST FLOOR N.W. CORRIDOR	10
11	MEZZ LVL N.W. CORRIDOR LIGHT	20		AC CU-C1	12
13	MEZZ LVL N.W. CORRIDOR REC	20	20	MEZZ LEVEL STORAGE	14
15	SPARE	20		WALL HEATER EH-1	16
17	2ND NORTH IDF RECEPTACLES	20	30	MEZZ LEVEL N.W. CORRIDOR	18
19	2ND FLR N.W. CORR. LIGHT	20		FURNACE AHU-C1	20
21	2ND FLR N.W. CORRIDOR REC	20	15	MEZZ LEVEL N.W. CORRIDOR	22
23	SPARE	20		AC CU-C1	24
25	3RD NORTH IDF RECEPTACLES	20	30	2ND FLOOR N.W. CORRIDOR	26
27	3RD FLR N.W. CORR. LIGHT	20		FURNACE AHU-C1	28
29	3RD FLR N.W. CORRIDOR REC	20	15	2ND FLOOR N.W. CORRIDOR AC	30
31	SPARE	20		CU-C1	32
33	4TH NORTH IDF RECEPTACLES	20	30	3RD FLOOR N.W. CORRIDOR	34
35	4TH FLR N.W. CORR. LIGHT	20	30	FURNACE AHU-C1	36
37	4TH FLR N.W. CORRIDOR REC	20	15	3RD FLOOR N.W. CORRIDOR AC	38
39	SPARE	20		CU-C1	40
41	5TH NORTH IDF RECEPTACLES	20	30	4TH FLOOR N.W. CORRIDOR	42
43	5TH FLR N.W. CORR. LIGHT	20		FURNACE AHU-C1	44
45	5TH FLR N.W. CORRIDOR REC	20	15	4TH FLOOR N.W. CORRIDOR AC	46
47	SPARE	20		CU-C1	48
49	ROOFTOP RECEPTACLES	20	30	5TH FLOOR N.W. CORRIDOR	50
51	SPARE	20		FURNACE AHU-C1	52
53	SPARE	20	15	5TH FLOOR N.W. CORRIDOR AC	54
55	SPARE	20		CU-C1	56
57	EXTERIOR LIGHTING	20	20	SPARE	58
59	SPARE	20	20	SPARE	60
61	SPARE	20	20	SPARE	62
63	ELEVATOR 1	250	200	HP1A	64
65					66

HP1A				
200A MAIN LUG 120/208V 3Ø NEMA 1 10KAIC				
CIR #	DESCRIPTION	SIZE	DESCRIPTION	CIR #
1	N.E. STAIRWELL LIGHTING	20	NORTHEAST STAIRWELL	2
3	N.E. STAIRWELL RECEPTACLES	20	WALL HEATER EH-1	4
5	N.E. LOBBY RECEPTACLES	20	NORTHEAST STAIRWELL	6
7	N.E. LOBBY LIGHTING	20	WALL HEATER EH-1	8
9	N.E. ELEVATOR 1 PIT LIGHTING	20	NORTHEAST STAIRWELL	10
11	N.E. ELEVATOR PIT RECEPTACLE	20	WALL HEATER EH-1	12
13	N.E. ELEV SUMP RECEPTACLE	20	SPARE	14
15	2ND FLR NORTH CORR. LIGHT	20	SPARE	16
17	2ND FLR NORTH CORRIDOR REC	20	LOBBY SPLIT UNIT ODU-1	18
19	WEIGHT ROOM RECEPTACLES	20	LOBBY SPLIT UNIT ODU-1	20
21	SPARE	20	WEIGHT ROOM	22
23	3RD FLR NORTH CORR. LIGHT	20	FURNACE AHU-A1	24
25	3RD FLR NORTH CORRIDOR REC	20	WEIGHT ROOM AC CU-A1	26
27	SPARE	20	SPARE	28
29	4TH FLR NORTH CORR. LIGHT	20	SPARE	30
31	4TH FLR NORTH CORRIDOR REC	20	SPARE	32
33	SPARE	20	SPARE	34
35	5TH FLR NORTH CORR. LIGHT	20	SPARE	36
37	5TH FLR NORTH CORRIDOR REC	20	SPARE	38
39	N.E. ELEVATOR AREA LIGHT	20	SPARE	40
41	N.E. ELEVATOR 1 CAB LIGHTING	20	SPARE	42
43	N.E. ELEVATOR 1 SHAFT LIGHTING	20	SPARE	44
45	N.E. ELEVATOR 1 SHAFT REC	20	SPARE	46
47	SPARE	20	SPARE	48
49	ROOFTOP RECEPTACLES	20	SPARE	50
51	SPARE	20	SPARE	52
53	EXTERIOR LIGHTING	20	SPARE	54

RP1					
800A MAIN LUG 120/208V 3Ø NEMA 1 22KAIC					
CIR #	DESCRIPTION	SIZE		DESCRIPTION	CIR #
1	LIGHTING	20	20	EH-4	2
3	RECEPTACLES	20			4
5	EXTERIOR LIGHTING	20			6
7	TRASH AREA LIGHTING	20			8
9	TRASH AREA RECEPTACLES	20			10
11	SPARE	20	20	EH-4	12
13	SPARE	20	20	EH-4	14
15	SPARE	20	20	EH-4	16
17	SPARE	20	20	EH-4	18
19	SPARE	20	20	EH-4	20
21	SPARE	20	20		22
23	SPARE	20	20	TRASH AREA OVERHEAD DOOR	24
25	SPARE	20	20		26
27	SPARE	20	20	SPARE	28
29	SPARE	20	20	SPARE	30
31	SPARE	20	20	SPARE	32
33	SPARE	20	20	SPARE	34
35	SPARE	20	20	SPARE	36
37	SPARE	20	20	SPARE	38
39	SPARE	20	20	SPARE	40
41	SPARE	20	20	SPARE	42
43					
44		400		FUTURE SUBPANEL*	44
45					
					46

\*CIRCUIT BREAKER PROVISION ONLY

HP2					
400A MAIN BREAKER 120/208V 3Ø NEMA 1 22KAIC					
CIR #	DESCRIPTION	SIZE	DESCRIPTION	CIR #	
1	S.W. STAIRWELL LIGHTING	20		SOUTHWEST STAIRWELL	2
3	S.W. STAIRWELL RECEPTACLES	20	20	WALL HEATER EH-1	4
5	S.W. ELEVATOR 3 PIT LIGHTING	20	30	1ST FLOOR S.E. CORRIDOR	6
7	S.W. ELEVATOR PIT RECEPTACLE	20		FURNACE AHU-C1	8
9	S.W. ELEV SUMP RECEPTACLE	20		1ST FLOOR S.E. CORRIDOR	10
11	1ST FLR S.W. CORRIDOR LIGHT	20	15	AC CU-C1	12
13	1ST FLR S.W. CORRIDOR REC	20			14
15	PET WASH RECEPTACLES	20	20	BIKE STORAGE	16
17	BIKE STORAGE LIGHTING	20		WALL HEATER EH-1	18
19	BIKE STORAGE RECEPTACLES	20	30	MEZZ LEVEL S.E. CORRIDOR	20
21	SPARE	20		FURNACE AHU-C2	22
23	MEZZ LVL SOUTH CORR LIGHT	20	25	MEZZ LEVEL S.E. CORRIDOR	24
25	MEZZ LVL SOUTH CORR REC	20		AC CU-C2	26
27	SPARE	20	25	MEZZANINE LEVEL	28
29	SPARE	20		WATER HEATER WH-3	30
31	SPARE	20	20		32
33	SPARE	20	20	SOUTHWEST ENTRY	34
35	SPARE	20	20	WALL HEATER EH-1	36
37	SPARE	20	20	SPARE	38
39	SPARE	20	20	SPARE	40
41	SPARE	20	20	SPARE	42
43	SPARE	20	20	SPARE	44
45	SPARE	20	20	SPARE	46
47	SPARE	20	20	SPARE	48
49	SPARE	20	20	SPARE	50
51	SPARE	20	20	SPARE	52
53	SPARE	20	20	SPARE	54
55	SPARE	20	20	SPARE	56
57	SPARE	20	20	SPARE	58
59	SPARE	20	20	SPARE	60
61	ELEVATOR 3				62
63	TRANSFER SWITCH	200	200	HP2A	64
65					66

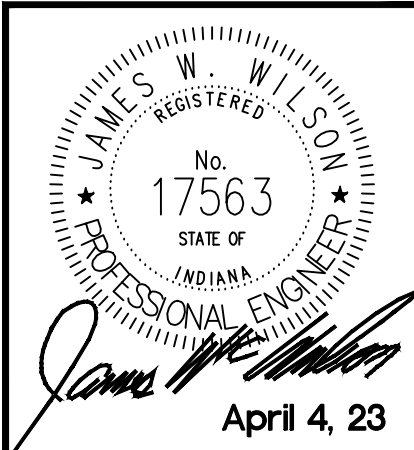
HP2A					
200A MAIN LUG 120/208V 3Ø NEMA 1 10KAIC					
CIR #	DESCRIPTION	SIZE	DESCRIPTION	CIR #	
1	2ND FLR S.W. IDF RECEPTACLES	20	30	2ND FLOOR S.W. CORRIDOR FURNACE AHU-C1	2
3	2ND FLR S.W. CORR. LIGHT	20			4
5	2ND FLR S.W. CORRIDOR REC	20	15	2ND FLOOR S.W. CORRIDOR AC	6
7	SPARE	20			8
9	3RD FLR S.W. IDF RECEPTACLES	20	30	3RD FLOOR S.W. CORRIDOR FURNACE AHU-C1	10
11	3RD FLR S.W. CORR. LIGHT	20			12
13	3RD FLR S.W. CORRIDOR REC	20		3RD FLOOR S.W. CORRIDOR AC CU-C1	14
15	SPARE	20			16
17	4TH FLR S.W. IDF RECEPTACLES	20	30	4TH FLOOR S.W. CORRIDOR FURNACE AHU-C1	18
19	4TH FLR S.W. CORR. LIGHT	20			20
21	4TH FLR S.W. CORRIDOR REC	20	15	4TH FLOOR S.W. CORRIDOR AC CU-C1	22
23	SPARE	20			24
25	5TH FLR S.W. CORR. LIGHT	20	30	5TH FLOOR S.W. CORRIDOR FURNACE AHU-C1	26
27	5TH FLR S.W. CORRIDOR REC	20			28
29	SPARE	20	15	5TH FLOOR S.W. CORRIDOR AC CU-C1	30
31	5TH FLR ELEV RM LIGHTING	20			32
33	5TH FLR ELEV RM RECEPTACLES	20	20	SPARE	34
35	S.W. ELEVATOR 3 CAB LIGHTING	20	20	COURTYARD SHADE STRUCTURE	36
37	S.W. ELEVATOR 3 SHAFT LIGHT	20	20	COURTYARD SHADE STRUCTURE	38
39	S.W. ELEVATOR 3 SHAFT REC	20	20	SPARE	40
41	SPARE	20	20	WEST GRILL STATION	42
43	ROOFTOP RECEPTACLES	20	20	EAST GRILL STATION	44
45	SPARE	20	20	SPARE	46
47	SPARE	20	20	EXTERIOR LIGHTING	48
49	SPARE	20	20	SPARE	50
51	SPARE	20	20	SPARE	52
53	SPARE	20	20	SPARE	54

RP2					
400A MAIN BREAKER 120/208V 3Ø NEMA 1 22KAIC					
CIR #	DESCRIPTION	SIZE		DESCRIPTION	CIR #
1	LIGHTING	20	20	EH-4	2
3	RECEPTACLES	20	20		4
5	SPARE	20	20	EH-4	6
7	SPARE	20	20		8
9	SPARE	20	20		10
11	SPARE	20	20		12
13	SPARE	20	20	EH-4	14
15	SPARE	20	20		16
17	SPARE	20	20	SPARE	18
19	SPARE	20	20	SPARE	20
21	SPARE	20	20	SPARE	22
23	SPARE	20	20	SPARE	24
25	SPARE	20	20	SPARE	26
27	SPARE	20	20	SPARE	28
29	SPARE	20	20	SPARE	30
31	SPARE	20	20	SPARE	32
33	SPARE	20	20	SPARE	34
35	SPARE	20	20	SPARE	36
37	SPARE	20	20	SPARE	38
39	SPARE	20	20	SPARE	40
41	SPARE	20	20	SPARE	42
43	SPARE	20	20	SPARE	44
45	SPARE	20	20	SPARE	46
47	SPARE	20	20	SPARE	48
49	SPARE	20	20	SPARE	50
51	SPARE	20	20	SPARE	52
53	SPARE	20	20	SPARE	54
55	SPARE	20	20	SPARE	56
57	SPARE	20	20	SPARE	58
59	SPARE	20	20	SPARE	60

HP3					
400A MAIN BREAKER 120/208V 3Ø NEMA 1 22KAIC					
CIR #	DESCRIPTION	SIZE	DESCRIPTION	CIR #	
1	EAST STAIRWELL LIGHTING	20		2	
3	EAST STAIRWELL RECEPTACLES	20	80	BOOSTER PUMP BP-1	4
5	EAST ELEVATOR 2 PIT LIGHTING	20			6
7	EAST ELEVATOR PIT REC	20	20	EAST STAIRWELL	8
9	EAST ELEV SUMP RECEPTACLE	20		WALL HEATER EH-1	10
11	SPARE	20		EAST STAIRWELL	12
13	LOBBY LIGHTING	20		WALL HEATER EH-1	14
15	LOBBY RECEPTACLES	20	30	WATER ROOM	16
17	SPARE	20		WALL HEATER EH-3	18
19	SPARE	20	60	SPARE	20
21	PACKAGE ROOM RECEPTACLE	20			22
23	PACKAGE SYSTEM	20	80	LEASING AREA	24
25	COUNTER RECEPTACLES	20		FURNACE AHU-A2	26
27	OFFICE / LEASING AREA LIGHT	20	25	LEASING AREA	28
29	OFFICE / LEASING AREA REC	20		AC CU-A2	30
31	OFFICE / LEASING AREA REC	20	30	MEZZ LVL EAST CORRIDOR	32
33	OFFICE / LEASING AREA REC	20		FURNACE AHU-C1	34
35	OFFICE / LEASING R.P. REC	20	15	MEZZ LEVEL CORRIDOR	36
37	LOBBY COUNTER REC	20		AC CU-C1	38
39	LOBBY UNDER COUNTER FRIDGE	20	45	CARDIO FITNESS	40
41	IT CLOSET RECEPTACLES	20	25	FURNACE AHU-A1	42
43	IT CLOSET RECEPTACLES	20	25	CARDIO FITNESS	44
45	SPARE	20		AC CU-A1	46
47	SPARE	20	60	SPARE	48
49	HP3 ALARM CONTROL PANEL	20			50
51	WATER ROOM LIGHTING	20	80	CAFÉ / LOUNGE / CO-WORK	52
53	WATER ROOM RECEPTACLES	20		FURNACE AHU-A3	54
55	SPARE	20	20	CAFÉ / LOUNGE / CO-WORK	56
57	EXTERIOR LIGHTING	20		AC CU-A3	58
59	SPARE	20	20	SPARE	60
61	ELEVATOR 2	300	200	HP3A	62
63					64



LOAD CALCULATIONS



#	REVISION	DATE
1	Post-Bid Addendum #4	5/1/23

LINK

921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203

ELECTRICAL LOAD CALCULATIONS

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO. E602

Link House Service A			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	25512 x 0.5		14756
Receptacles - Remainder	10000 x 1		10000
Elevator 1	17000 x 0.5		8500
Elevator 2	39193 x 1		39193
Elevator 3	64132 x 1		64132
		Subtotal:	136581
<b>Misc. Loads</b>			
Heaters	76952 x 1		76952
		Subtotal:	76952
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	3818 x 1		3818
		Subtotal:	3818
<b>Signs</b>			
1 Location (Future)	1200 x 1		1200
		Subtotal:	1200
<b>Total Loads</b>			
Total Common Load	218551 x 1	Demand Factor	218551
		Total:	218551
		Voltage:	120/208
		Phase:	3
		Total Amps:	607

Link House Service B			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	12482 x 0.5		6741
Receptacles - Remainder	10000 x 1		10000
Elevator 2	23300 x 0.5		11650
	45076 x 1		45076
		Subtotal:	73467
<b>Misc. Loads</b>			
Heaters	58318 x 1		58318
		Subtotal:	58318
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
1 Location (Future)	1200 x 1		1200
		Subtotal:	1200
<b>Total Loads</b>			
Total Common Load	132985 x 1	Demand Factor	132985
		Total:	132985
		Voltage:	120/208
		Phase:	3
		Total Amps:	369

Link Retail 1			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	5536 x 2		11072
Receptacles - Remainder	360 x 1		360
	0 x 0.5		0
		Subtotal:	11432
<b>Misc. Loads</b>			
Heaters	15000 x 1		15000
		Subtotal:	15000
<b>Motors</b>			
Garage Doors	0 x 1.25		0
	746 x 1		746
		Subtotal:	746
<b>Signs</b>			
3 Locations (Future)	3600 x 1		3600
		Subtotal:	3600
<b>Total Loads</b>			
Total Common Load	30778 x 1	Demand Factor	30778
		Total:	30778
		Voltage:	120/208
		Phase:	3
		Total Amps:	85

Link MC1			
<b>Apartment Loads</b>			
Square Footage	VA	Demand Factor	
Kitchen	54816 x 3		163848
Range	3000 x 74		222000
Dryer	8000 x 74		592000
Disposal	5000 x 74		370000
Dishwasher	1000 x 74		74000
Microwave	1500 x 74		111000
Refrigerator	1500 x 74		111000
Water Heater	4500 x 74		333000
HVAC	1872 x 21		39312
HVAC	3756 x 53		199068
Laundry	1500 x 74		111000
		Subtotal:	2437228
<b>Total Loads</b>			
Total Apt Load	2437228 x 0.23	Demand Factor	Total VA
		Total:	560562.44
		Voltage:	120/208
		Phase:	3
		Total Amps:	1556

Link HP1			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	6150 x 0.5		3075
Receptacles - Remainder	6660 x 1		6660
Elevator 1	0 x 0.5		0
	39193 x 1		39193
		Subtotal:	48928
<b>Misc. Loads</b>			
Heaters	28536 x 1		28536
		Subtotal:	28536
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
Locations (Future)	0 x 1		0
		Subtotal:	0
<b>Total Loads</b>			
Total Common Load	28923 x 1	Demand Factor	28923
	77464 x 1		77464
		Total:	106387
		Voltage:	120/208
		Phase:	3
		Total Amps:	295

Link HP2			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	6150 x 0.5		3075
Receptacles - Remainder	5400 x 1		5400
Elevator 3	0 x 0.5		0
	64132 x 1		64132
		Subtotal:	72607
<b>Misc. Loads</b>			
Heaters	16512 x 1		16512
		Subtotal:	16512
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
7 Locations (Future)	0 x 1		0
		Subtotal:	0
<b>Total Loads</b>			
Total Common Load	26527 x 1	Demand Factor	26527
	89119 x 1		89119
		Total:	115646
		Voltage:	120/208
		Phase:	3
		Total Amps:	321

Link HP3			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	2684 x 0.5		1347
Receptacles - Remainder	5760 x 1		5760
Elevator 2	0 x 0.5		0
	45076 x 1		45076
		Subtotal:	52183
<b>Misc. Loads</b>			
Heaters	43294 x 1		43294
		Subtotal:	43294
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
7 Locations (Future)	0 x 1		0
		Subtotal:	0
<b>Total Loads</b>			
Total Common Load	39188 x 1	Demand Factor	39188
	95477 x 1		95477
		Total:	134665
		Voltage:	120/208
		Phase:	3
		Total Amps:	374

Link Retail 2			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	3347 x 2		6694
Receptacles - Remainder	180 x 1		180
	0 x 0.5		0
		Subtotal:	6874
<b>Misc. Loads</b>			
Heaters	12000 x 1		12000
		Subtotal:	12000
<b>Motors</b>			
Garage Doors	0 x 1.25		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
2 Locations (Future)	2400 x 1		2400
		Subtotal:	2400
<b>Total Loads</b>			
Total Common Load	21274 x 1	Demand Factor	21274
		Total:	21274
		Voltage:	120/208
		Phase:	3
		Total Amps:	59

Link MC2			
<b>Apartment Loads</b>			
Square Footage	VA	Demand Factor	
Kitchen	53761 x 3		172683
Range	3000 x 76		228000
Dryer	8000 x 76		608000
Disposal	5000 x 76		380000
Dishwasher	1000 x 76		76000
Microwave	1500 x 76		114000
Refrigerator	1500 x 76		114000
Water Heater	4500 x 76		342000
HVAC	1872 x 5		9360
HVAC	3756 x 71		266676
Laundry	1500 x 76		114000
		Subtotal:	2538719
<b>Total Loads</b>			
Total Apt Load	2538719 x 0.25	Demand Factor	634679.75
		Total:	634679.75
		Voltage:	120/208
		Phase:	3
		Total Amps:	1762

Link HP1A			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	8606 x 0.5		4303
Receptacles - Remainder	7740 x 1		7740
	0 x 0.5		0
		Subtotal:	12043
<b>Misc. Loads</b>			
Heaters	16880 x 1		16880
		Subtotal:	16880
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
7 Locations (Future)	0 x 1		0
		Subtotal:	0
<b>Total Loads</b>			
Total Common Load	28923 x 1	Demand Factor	28923
		Total:	28923
		Voltage:	120/208
		Phase:	3
		Total Amps:	80

Link HP2A			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	8606 x 0.5		4303
Receptacles - Remainder	7200 x 1		7200
	0 x 0.5		0
		Subtotal:	11503
<b>Misc. Loads</b>			
Heaters	15024 x 1		15024
		Subtotal:	15024
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
7 Locations (Future)	0 x 1		0
		Subtotal:	0
<b>Total Loads</b>			
Total Common Load	26527 x 1	Demand Factor	26527
		Total:	26527
		Voltage:	120/208
		Phase:	3
		Total Amps:	74

Link HP3A			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	10788 x 0.5		5394
Receptacles - Remainder	10000 x 1		10000
	17540 x 0.5		8770
		Subtotal:	24164
<b>Misc. Loads</b>			
Heaters	15024 x 1		15024
		Subtotal:	15024
<b>Motors</b>			
EX Fans	0 x 1.25		0
Garage Doors	0 x 1		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
7 Locations (Future)	0 x 1		0
		Subtotal:	0
<b>Total Loads</b>			
Total Common Load	39188 x 1	Demand Factor	39188
		Total:	39188
		Voltage:	120/208
		Phase:	3
		Total Amps:	109

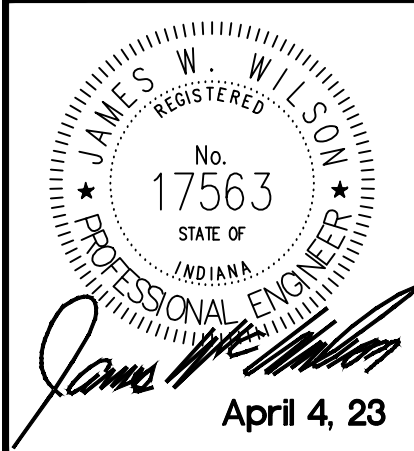
Link Retail 3			
<b>Noncontinuous Loads</b>			
SCF / Lighting	VA	Demand Factor	
Receptacles - 1st 10kva	2164 x 2		4328
Receptacles - Remainder	180 x 1		180
	0 x 0.5		0
		Subtotal:	4508
<b>Misc. Loads</b>			
Heaters	6000 x 1		6000
		Subtotal:	6000
<b>Motors</b>			
Garage Doors	0 x 1.25		0
	0 x 1		0
		Subtotal:	0
<b>Signs</b>			
1 Location (Future)	1200 x 1		1200
		Subtotal:	1200
<b>Total Loads</b>			
Total Common Load	11708 x 1	Demand Factor	11708
		Total:	11708
		Voltage:	120/208
		Phase:	3
		Total Amps:	32

Link MC3			
Apartment Loads		Demand Factor	
Square Footage	43826 x 3		131478
Kitchen	3000 x 5		16800
Range	8000 x 56		448000
Dryer	5000 x 56		280000
Disposal	1000 x 56		56000
Dishwasher	1500 x 56		84000
Microwave	1500 x 56		84000
Refrigerator	4500 x 56		252000
Water Heater	1872 x 9		16800
HVAC	1872 x 9		16800
HVAC	3756 x 47		176532
Laundry	1500 x 56		84000
		Subtotal:	1864858
Total Loads		Demand Factor	
Total App Load	1864858 x 0.25		466214.5
		Total:	466214.5
		Voltage:	120/208
		Phase:	3
		Total Amps:	1294



GENERAL METER CENTER NOTES

- GROUND AND BOND ACCORDING TO N.E.C. ART. 250.
- VERIFY REQUIRED K.A.I.C. RATING OF INCOMING SERVICE WITH ELECTRICAL UTILITY COMPANY BEFORE PURCHASE AND INSTALLATION OF ELECTRICAL EQUIPMENT.
- VERIFY METER CENTER LOCATION WITH G.C. AND ELECTRICAL UTILITY BEFORE PURCHASE AND INSTALLATION.
- PERMANENTLY LABEL TO IDENTIFY ALL SERVICE DISCONNECTS.
- SECONDARY CONDUCTORS FROM SERVICE EQUIPMENT TO ELECTRIC UTILITY TRANSFORMER LOCATION BY OTHERS.



# REVISION DATE

1 Post-Bid Addendum #4 5/1/23

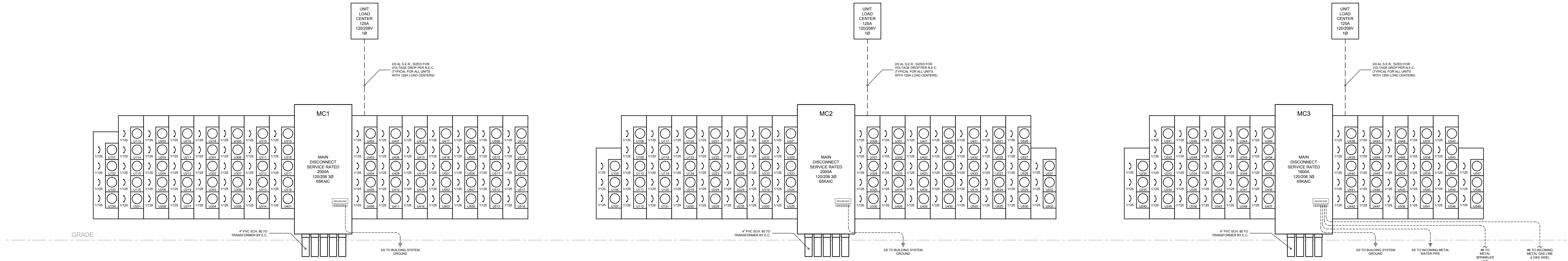
LINK  
921 VIRGINIA AVENUE, INDIANAPOLIS, IN 46203  
ELECTRICAL METER CENTER DETAILS

100% CONSTRUCTION DOCUMENTS

DATE: 4/4/23

SHEET NO.

E901



1 MC1 SERVICE

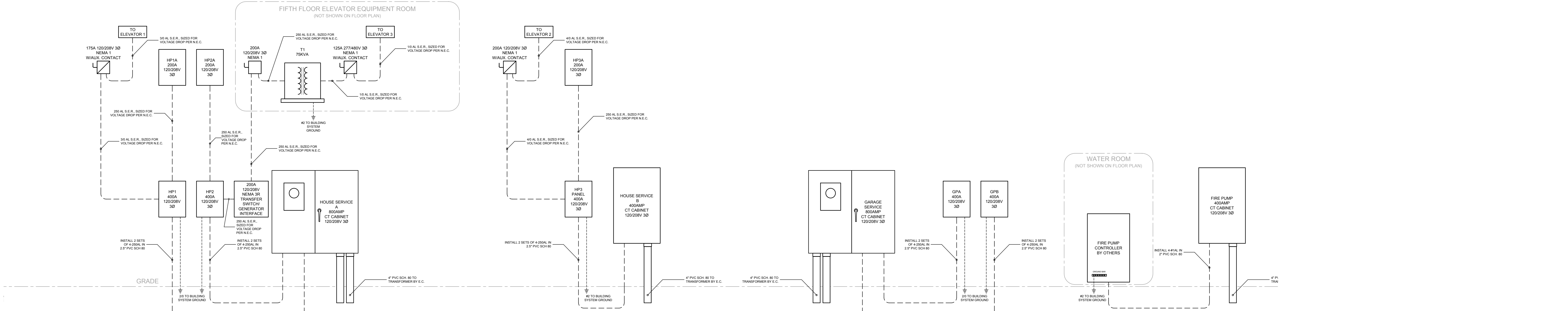
SCALE: N.T.S.

2 MC2 SERVICE

SCALE: N.T.S.

3 MC3 SERVICE

SCALE: N.T.S.



4 HOUSE SERVICE A

SCALE: N.T.S.

5 HOUSE SERVICE B

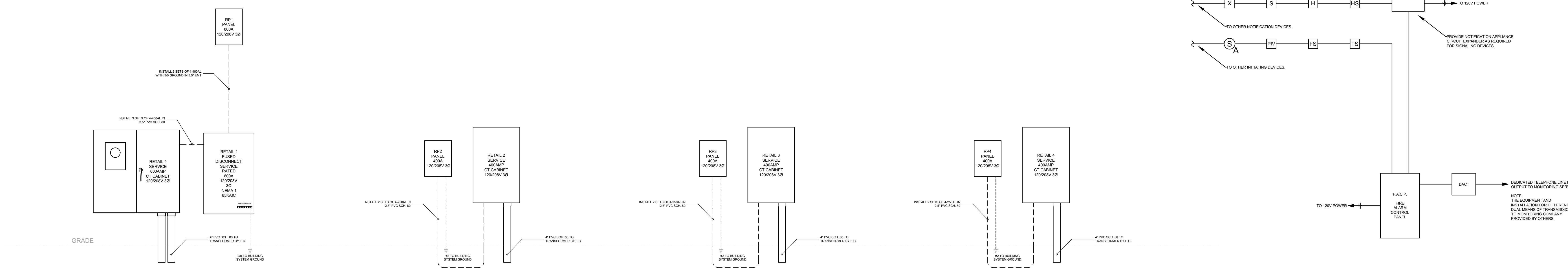
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6 GARAGE SERVICE

SCALE: N.T.S.

7 FIRE PUMP SERVICE

SCALE: N.T.S.



8 RETAIL 1 SERVICE

SCALE: N.T.S.

9 RETAIL 2 SERVICE

SCALE: N.T.S.

10 RETAIL 3 SERVICE

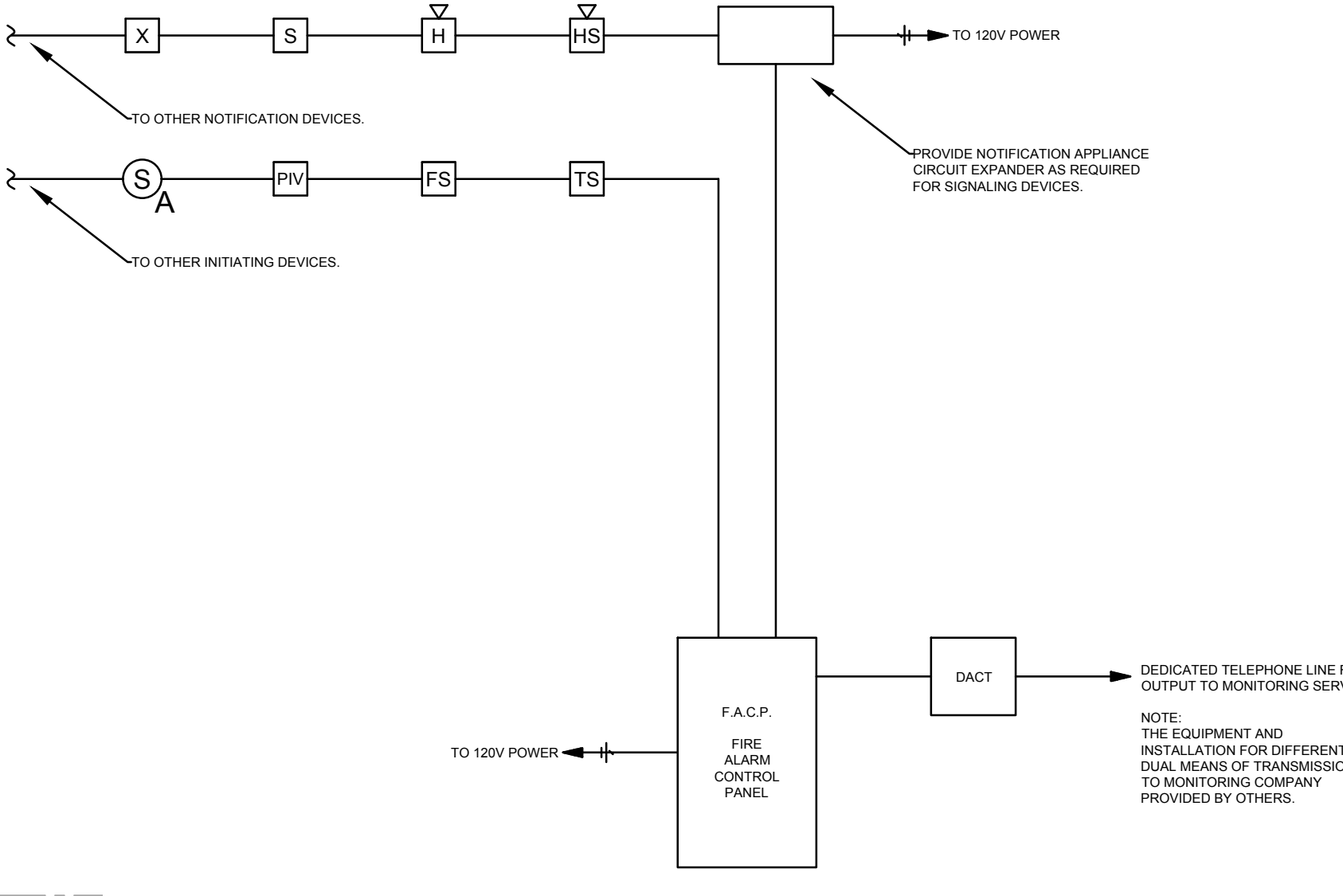
SCALE: N.T.S.

11 RETAIL 4 SERVICE

SCALE: N.T.S.

12 FIRE ALARM RISER

SCALE: N.T.S.







## SECTION 08 71 00 – DOOR HARDWARE

### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.02 SUMMARY

- A. Section includes:

- 1. Mechanical and electrified door hardware for:
  - a. Swinging doors.
- 2. Electronic access control system components, including:
  - a. Electronic access control devices.
- 3. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

- B. Exclusions: Unless specifically listed in hardware sets, hardware is not specified in this section for:

- 1. Windows
- 2. Cabinets (casework), including locks in cabinets
- 3. Signage
- 4. Toilet accessories
- 5. Overhead doors

- C. Related Sections:

- 1. Division 01 Section "Alternates" for alternates affecting this section.
- 2. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
- 3. Division 26 sections for connections to electrical power system and for low-voltage wiring.
- 4. Division 28 sections for coordination with other components of electronic safety and security systems.





### 1.03 REFERENCES

#### A. UL - Underwriters Laboratories

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

#### B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Key Systems and Nomenclature

#### C. ANSI - American National Standards Institute

1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

### 1.04 SUBMITTALS

#### A. General:

1. Submit in accordance with Conditions of Contract and Division 01 requirements.
2. Highlight, encircle, or otherwise specifically identify on submittals deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.
3. Prior to forwarding submittal, comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, "EXAMINATION" article, herein.

#### B. Action Submittals:

1. Product Data: Technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
  - a. Wiring Diagrams: For power, signal, and control wiring and including:
    - 1) Details of interface of electrified door hardware and building safety and security systems.
    - 2) Schematic diagram of systems that interface with electrified door hardware.
    - 3) Point-to-point wiring.
    - 4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated, and tagged with full description for coordination with schedule.





- a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
4. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:
  - a. Door Index; include door number, heading number, and Architects hardware set number.
  - b. Opening Lock Function Spreadsheet: List locking device and function for each opening.
  - c. Quantity, type, style, function, size, and finish of each hardware item.
  - d. Name and manufacturer of each item.
  - e. Fastenings and other pertinent information.
  - f. Location of each hardware set cross-referenced to indications on Drawings.
  - g. Explanation of all abbreviations, symbols, and codes contained in schedule.
  - h. Mounting locations for hardware.
  - i. Door and frame sizes and materials.
  - j. Name and phone number for local manufacturer's representative for each product.
  - k. Operational Description of openings with any electrified hardware (locks, exits, electromagnetic locks, electric strikes, automatic operators, door position switches, magnetic holders or closer/holder units, and access control components). Operational description should include operational descriptions for: egress, ingress (access), and fire/smoke alarm connections.
  - l. Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work that is critical in Project construction schedule.
5. Key Schedule:
  - a. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.
  - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
  - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
  - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
  - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
    - 1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
  - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.





6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

C. Informational Submittals:

1. Qualification Data: For Supplier, Installer and Architectural Hardware Consultant.
2. Product data for electrified door hardware:
  - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
3. Certificates of Compliance:
  - a. UL listings for fire-rated hardware and installation instructions if requested by Architect or Authority Having Jurisdiction.
  - b. Installer Training Meeting Certification: Letter of compliance, signed by Contractor, attesting to completion of installer training meeting specified in "QUALITY ASSURANCE" article, herein.
  - c. Electrified Hardware Coordination Conference Certification: Letter of compliance, signed by Contractor, attesting to completion of electrified hardware coordination conference, specified in "QUALITY ASSURANCE" article, herein.
4. Warranty: Special warranty specified in this Section.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
  - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
  - b. Catalog pages for each product.
  - c. Factory order acknowledgement numbers (for warranty and service)
  - d. Name, address, and phone number of local representative for each manufacturer.
  - e. Parts list for each product.
  - f. Final approved hardware schedule, edited to reflect conditions as-installed.
  - g. Final keying schedule
  - h. Copies of floor plans with keying nomenclature
  - i. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
  - j. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

## 1.05 QUALITY ASSURANCE

A. Requirements of Regulatory Agencies:





1. Furnish finish hardware to comply with the requirements of laws, codes, ordinances, and regulations of the governmental authorities having jurisdiction where such requirements exceed the requirements of the Specifications.
2. Furnish finish hardware to comply with the requirements of the regulations for public building accommodations for physically handicapped persons of the governmental authority having jurisdiction and to comply with Americans with Disabilities Act.
3. Provide hardware for fire rated openings in compliance with NFPA 80 and state and local building code requirements. Provide only hardware that has been tested and listed by UL for types and sizes of doors required and complies with requirements of door and door frame labels.

B. Supplier:

1. Mechanical Hardware

- a. Shall be an established firm dealing in contract builders' hardware. Distributor must have adequate inventory, qualified personnel on staff and be located within 100 miles of the project. The distributor must be a factory-authorized dealer for all materials required. The supplier shall be or have in employment an Architectural Hardware Consultant (AHC).
- b. Door Hardware distributor/supplier listed on the Bid Form shall be a factory authorized distributor for the hardware specified. This requirement will not be allowed to be med by a non-factory authorized dealer subcontracting to a factory authorized dealer. Any submitted bid that attempts to circumvent this requirement will be considered non-response and will be removed from consideration.

2. Electrified Hardware:

- a. Shall be an experienced door hardware supplier who has completed projects with electrified door hardware similar in material, design, and extent to that indicated for this project, whose work has resulted in construction with a record of successful in-service performance, and who is acceptable to manufacturer of primary materials. The supplier must be a factory-authorized distributor for all materials required.
- b. Shall prepare data for electrified door hardware, including shop drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this project.
- c. Shall have experience in providing consulting services for electrified door hardware installations.

C. Installer Qualifications:

1. Qualified tradesmen, skilled in application of commercial grade hardware with record of successful in-service performance for installing door hardware similar in quantity, type, and quality to that indicated for this Project.

D. Architectural Hardware Consultant Qualifications: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:





1. For door hardware, DHI-certified, Architectural Hardware Consultant (AHC).
  2. Can provide installation and technical data to Architect and other related subcontractors.
  3. Can inspect and verify components are in working order upon completion of installation.
  4. Capable of producing wiring diagrams.
  5. Capable of coordinating installation of electrified hardware with Architect and electrical engineers.
- E. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.
- F. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- G. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
- H. Accessibility Requirements: For door hardware on doors in an accessible route, comply with governing accessibility regulations cited in "REFERENCES" article, herein.
- I. Keying Conference
1. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
    - a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
    - b. Preliminary key system schematic diagram.
    - c. Requirements for key control system.
    - d. Requirements for access control.
    - e. Address for delivery of keys.
  2. Attendees of Keying Conference: Owner, Contractor, Architect, Installer, Owner's security consultant and Supplier's Architectural Hardware Consultant.
- J. Pre-installation Conference
1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
  2. Inspect and discuss preparatory work performed by other trades.
  3. Inspect and discuss electrical roughing-in for electrified door hardware.
  4. Review sequence of operation for each type of electrified door hardware.
  5. Review required testing, inspecting, and certifying procedures.
- K. Coordination Conferences:





1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
  1. Deliver each article of hardware in manufacturer's original packaging.
- C. Project Conditions:
  1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
  2. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- D. Protection and Damage:
  1. Promptly replace products damaged during shipping.
  2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
  3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys and permanent cores to Owner's Representative by registered mail or overnight package service.

#### 1.07 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.





- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

#### 1.08 WARRANTY

- A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
  - 1. Warranty Period: Beginning from date of Substantial Completion, for durations indicated.
    - a. Closers:
      - 1) Mechanical: 10 year
    - b. Exit Devices:
      - 1) Mechanical: 10 years.
      - 2) Electrified: 1 year.
    - c. Locksets:
      - 1) Mechanical: 10 year.
      - 2) Electrified: 1 year.
    - d. Continuous Hinges: Lifetime warranty.
    - e. Key Blanks: Lifetime
  - 2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

#### 1.09 MAINTENANCE

- A. Maintenance Tools: Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and project suitability to insure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
  - 1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.





- B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

## 2.02 MATERIALS

### A. Fasteners

- 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
  - 2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
  - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required.
  - 4. Install hardware with fasteners provided by hardware manufacturer.
- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
    - 1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

## 2.03 HINGES

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Ives 5BB series.
- 2. Acceptable Manufacturers and Products: Hager BB series, McKinney TA/T4A series, Stanley FBB Series.

### B. Requirements:

- 1. Provide hinges conforming to ANSI/BHMA A156.1.
- 2. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
  - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high





- b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
- 3. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
  - a. Exterior: Heavy weight, bronze/ stainless steel, 5 inches (127 mm) high
  - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
- 4. 2 inches or thicker doors:
  - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
  - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
- 5. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
- 6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
  - a. Steel Hinges: Steel pins
  - b. Non-Ferrous Hinges: Stainless steel pins
  - c. Out-Swinging Exterior Doors: Non-removable pins
  - d. Out-Swinging Interior Lockable Doors: Non-removable pins
  - e. Interior Non-lockable Doors: Non-rising pins
- 7. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.

## 2.04 SPRING HINGES

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Ives 3SP1 series
- 2. Acceptable Manufacturers and Products: Best 2060 series, Hager 1250 series, McKinney 1502 series.

### B. Requirements:

- 1. Provide hinges conforming to ANSI/BHMA A156.1.
- 2. Provide 3 knuckle, steel based, spring full mortise hinges.
- 3. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
- 4. Provide two spring hinges and one bearing hinge per door leaf for doors 90 inches (2286 mm) or less in height.
- 5. Door over 90 inches in height require hinges to be listed for the scheduled door size. Provide one additional hinge for each 30 inches of additional door height of the type required by the spring hinge listing.
- 6. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.





## 2.05 ELECTRIC POWER TRANSFER

- A. Manufacturers:
  - a. Scheduled Manufacturer: Von Duprin EPT-10.
  - b. Acceptable Manufacturers: ABH PT1000, Securitron CEPT-10.
- B. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gauge of wires sufficient to accommodate electric function of specified hardware.
- C. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

## 2.06 PIVOT SETS

- A. Manufacturers:
  - 1. Scheduled Manufacturer: Ives.
  - 2. Acceptable Manufacturers: Dorma, Rixson.
- B. Requirements:
  - 1. Provide pivot sets complete with oil-impregnated top pivot, unless indicated otherwise.
  - 2. Where offset pivots are specified, Provide one intermediate pivot for doors less than 91 inches (2311 mm) high and one additional intermediate pivot per leaf for each additional 30 inches (762 mm) in height or fraction thereof. Intermediate pivots spaced equally not less than 25 inches (635 mm) or not more than 35 inches (889 mm) on center, for doors over 121 inches (3073 mm) high.
  - 3. Provide appropriate model where pivot sets are scheduled at fire rated openings.

## 2.07 FLUSH BOLTS

- A. Manufacturers:
  - 1. Scheduled Manufacturer: Ives.
  - 2. Acceptable Manufacturers: Burns, Rockwood.
- B. Requirements:
  - 1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.





## 2.08 COORDINATORS

### A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Bums, Rockwood.

### B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bartype coordinating device, surface applied to underside of stop at frame head.
2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers, surface vertical rod exit device strikes or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

## 2.09 ELECTRONIC PROGRAMMABLE

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage.
2. Acceptable Manufacturers and Products: No Substitute.

### B. Product: Schlage BE467F electronic deadbolt.

1. Provide a programmable stand-alone Electronic Deadbolt that is computer managed. Deadbolt to conform to ANSI A156.5-2000 grade 2 and ANSI/BHMA certified.
2. Provide programmable electronic with the following:
  - a. Time and Date controlled access.
  - b. Up to 500 user.
  - c. 1000 event Audit Trail report.
  - d. 8 time zone capability
  - e. Compatible with STRATIS Energy & Access Management & Control System.
3. Provide deadbolts with standard 2-3/4 inches (70 mm) backset. Provide 2-3/8 inches (60 mm) where noted or if door or frame detail requires. Provide deadbolt with full 1 inch (25 mm) throw, constructed of steel alloy.
4. Provide entry by a Keyfob that supports aptiQ MIFARE classic, aptiQ DESFire EV1 and aptiQmobile credentials.
5. Provide power by four (4) AA batteries (included) where if loss of battery power occurs, a 9V battery can be used to jump start the lock and provide access with an assigned credential. Battery life of 2 years in OFF-LINE MODE.

### C. Requirements

1. Provide programmable electronic deadbolts with the following:





- a. Time and Date controlled access.
  - b. Up to 500 user.
  - c. 1000 event Audit Trail report.
  - d. 8 time zone capability
  - e. Compatible with STRATIS Energy & Access Management & Control System.
2. Provide entry by a Keyfob that supports aptiQ MIFARE classic, aptiQ DESFire EV1 and aptiQmobile credentials.
  3. Provide power by four (4) AA batteries (included), where if loss of battery power occurs, a 9V battery can be used to jump start the lock and provide access with an assigned credential. Battery life of 2 years in OFF-LINE MODE.

D. Components

1. Keyfob, 13.56 MHz and 26-bit Combination Smart and Proximity Credential
  - a. Manufacturer and Product:
    - 1) Schlage 9691T Combo Keyfob
  - b. Requirements:
    - 1) Provide access key fobs used with access readers to gain entry to access control portals (e.g. doors, gates, turnstiles) and to hold information specific to the user.
    - 2) Provide fobs with 26-bit proximity capability.
    - 3) Provide fobs functioning at ISO 14443A standards. Smart Credentials operate on a 13.56 MHz frequency and utilize high security encrypted data.
    - 4) Provide fobs supporting MIFARE or MIFARE DESFire EV1 technology.
    - 5) Presentation to the access control reader at any angle within a minimum distance of one (1) inch shall result in an accurate reading of the fob.
    - 6) Provide fobs composed of polycarbonate material.
2. Keyfob Construction
  - a. Manufacturer and Product:
    - 1) Schlage 9651 (CT8X4248) Keyfob
  - b. Requirements:
    - 1) Smart credential Keyfob as above but pre-configured for construction to work with locks out of the box.
3. Credential Enrollment Reader
  - a. Manufacturer and Product:
    - 1) Schlage aptiQ MT20W
  - b. Requirements:
    - 1) Unit provides simplified credential enrollment via computer connect. USB connection is for power only, enrollment uses Wi-Fi connection.





- 2) Multi-technology enrollment reader is designed to simplify the enrollment of proximity and smart credentials. The reader is powered by a USB cable via computer's USB port and utilizes a Wi-Fi connection for certain scenarios (enrolling no-tour credentials).
- 3) The unit is compatible with smart credentials (MIFARE Classic and FIFARE DESFire EV1), aptiQmobile credentials, PIV credentials and most proximity credentials up to 37-bits. The unit supports no-tour (with supported locks) via aptiQ MIFARE Classic or MIFARE DESFire EV1 credentials.

## 2.10 CYLINDRICAL LOCKS – GRADE 1 AT EXTERIOR

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Falcon T series.
2. Acceptable Manufacturers and Products: BEST 9K series, Sargent 10-Line.

### B. Requirements:

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
4. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
5. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Provide electrified options as scheduled in the hardware sets.
8. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.

#### a. Lever Design: Falcon Longitude

## 2.11 CYLINDRICAL LOCKS – GRADE 2 AT INTERIOR COMMON AREAS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Falcon W series.
2. Acceptable Manufacturers and Products: Best 73KC series, Sargent 6500 series.

### B. Requirements:

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 2, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
4. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.





5. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.
  - a. Lever Design: Falcon Longitude

## 2.12 TUBULAR LOCKS – GRADE 2 AT UNITS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage F series.
2. Acceptable Manufacturers and Products: Sargent DL series, Yale YH collection.

### B. Requirements:

1. Provide tubular locks conforming to ANSI/BHMA A1 56.2 Series 4000, Grade 2, Grade 2 and ANSI/BHMA A1 56.39 Residential Grade AAA, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide locks with standard 2-3/8 inches (60 mm) adjustable to 2-3/4 inches (70 mm) backset with 1/2 inch (13 mm) latch throw. Provide 2-3/4 inches (70 mm) backset, unless 2-3/8 inches (60 mm) is required by door or frame detail, or noted otherwise.
4. Provide locksets that fit standard 2-1/8 inches (54 mm) diameter bore without use of thru-bolts.
5. Door Thickness: Locksets adjustable to fit in 1-3/8 inches (35 mm) or 1-3/4 inches (44 mm) door thickness.
6. Provide standard T-strikes unless extended lip strikes are necessary to protect trim.
7. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.
  - a. Lever Design: Schlage Latitude

## 2.13 TUBULAR LOCKS – GRADE 3 AT UNITS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage J series.
2. Acceptable Manufacturers and Products: Hager 3300 series, PDQ Industries SM series.

### B. Requirements:

1. Provide tubular locks conforming to ANSI/BHMA A1 56.2 Series 4000, Grade 3, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide locks with standard 2-3/8 inches (60 mm) adjustable to 2-3/4 inches (70 mm) backset with 1/2 inch (13 mm) latch throw. Provide 2-3/4 inch (70 mm) backset, unless 2-3/8 inches (60 mm) is required by door or frame detail, or noted otherwise.
4. Provide locksets that fit standard 2-1/8 inches (54 mm) diameter bore without the use of thru-bolts.





5. Locksets adjustable to fit in 1-3/8 inches (35 mm) or 1-3/4 inches (44 mm) door thickness.
6. Provide standard T-strikes unless extended lip strikes are necessary to protect trim.
7. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.
  - a. Lever Design: Schlage Solstice

## 2.1.4 AUXILIARY LOCKS

### A. Deadbolts:

1. Manufacturers and Products:
  - a. Scheduled Manufacturer and Product: Schlage B60 Series.
  - b. Acceptable Manufacturers and Products: Best T Series, Falcon D100 Series, Sargent 480 Series.
2. Requirements:
  - a. Provide deadbolt series conforming to ANSI/BHMA A156 and function as specified.
  - b. Cylinders: Refer to "KEYING" article, herein.
  - c. Provide deadbolts with standard 2-3/4 inches (70 mm) backset. Provide 2-3/8 inches (60 mm) where noted or if door or frame detail requires. Provide deadbolt with full 1 inch (25 mm) throw, constructed of steel alloy.
  - d. Provide manufacturer's standard strike.

### B. Aluminum Door Deadbolt - Narrow Style:

1. Manufacturers and Products:
  - a. Scheduled Manufacturer and Product: Adams Rite MS1850 Series.
  - b. Acceptable Manufacturers and Products: No Substitute.
2. Requirements:
  - a. Provide narrow style aluminum door deadbolts as specified.
  - b. Cylinders: Refer to "KEYING" article, herein.
  - c. Provide deadbolts with necessary backset with full 1-13/32 inches (36 mm) throw deadbolt.
  - d. Provide manufacturer's standard strikes unless extended lip strikes are necessary to protect trim.

## 2.1.5 EXIT DEVICES

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Falcon 24/25 series.
2. Acceptable Manufacturers and Products: Sargent 19-43-GL-80 series, Precision Apex series.





B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide flush end caps for exit devices.
7. Provide exit devices with manufacturer's approved strikes.
8. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
9. Mount mechanism case flush on face of doors, or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
10. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
11. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
12. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
13. Provide electrified options as scheduled.
14. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

2.16 ELECTRONIC ACCESS CONTROL LOCKSETS AND EXIT DEVICE TRIM

A. Manufacturers:

1. Scheduled Manufacturer and Product: Schlage CO Series.
2. Acceptable Manufacturers and Products: No Substitute.

B. Product: Schlage CO-100-CY standalone bored-type electronic lockset.

1. Provide bored cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, non-handed, field-reversible.
2. Backset: [2-3/4-inch (70 mm)] [2-3/8-inch (60 mm)] [3-3/4-inch (95 mm)] [5-inch (127 mm)].
3. Latchbolt Throw: 1/2-inch (13 mm) unless noted otherwise. Provide 3/4-inch (19 mm) throw for UL listing at pairs.
4. Chassis: Standard 161 cylindrical lock prep for 1-3/4-inch (44 mm) doors <

C. Requirements:

1. Provide offline electronic access control products that comply with the following requirements:





- a. Listed, UL 294 - The Standard of Safety for Access Control System Units.
  - b. Compliant with ANSI/BHMA A156.25 Grade 1 Operation and Security.
  - c. Certified to UL10C, FCC Part15, Florida Building Code Standards TAS 201 large missile impact, TAS 202 and TAS 203.
  - d. Compliant with ASTM E330 for door assemblies.
  - e. Compliant with ICC / ANSI A117.1, NFPA 101, NFPA 80, and Industry Canada RSS-210.
2. Functions: Provide functions as scheduled that are field configurable without taking the offline electronic product off the door.
3. Emergency Override: Provide mechanical key override; cylinders: Refer to "KEYING" article, herein.
4. Levers:
  - a. Vandal Resistance: Exterior (secure side) lever rotates freely while door remains locked, preventing damage to internal lock components from vandalism by excessive force.
  - b. Provide non-handed lever trim that operates independently of non-locking levers.
  - c. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.
5. Power Supply: 4 AA batteries
  - a. Provide electronic access control locks and/or exit device trim with the ability to communicate battery status.
6. Features:
  - a. Visual tri-colored LED indicators that indicate activation, operational systems status, system error conditions and low power conditions.
  - b. Visual bi-colored LED indicator on interior that is capable of indicating secured/unsecured status of device to occupants on interior.
  - c. Audible feedback that can be enabled or disabled.
  - d. Onboard processor with memory capacity of 2,000 users, 2,000 event audit history, up to 16 time zones and up to 32 calendar events.
  - e. Tamper-Resistant Screws: Tamper torx screws on inside escutcheon for increased security.
7. Switches:
  - a. Mechanical Key Override
8. Credential Reader:
  - a. Credential Reader Configurations:
    - 1) Keypad.
  - b. Credential Reader Capabilities: Provide credential readers capable of operating with the following integrated software partners.
    - 1) 12 button keypad with backlit buttons.





9. Operation:

- a. Provide electronic access control locks and/or exit device trim with the ability to be configured at door by handheld programming device the length of time device is unlocked upon access grant.
- b. Provide electronic access control locks and/or exit device trim with the ability to communicate identifying information such as firmware versions, hardware versions, serial numbers, and manufacturing dates by handheld programming device.

D. Components

1. Product: Schlage HHD series with Utility Software.

2.17 OFFLINE CONTROLLER

A. Manufacturer and Product:

1. Scheduled Manufacturer and Product: Schlage CTE Engage Controller.
2. Acceptable Manufacturers and Products: No Substitute.

B. Requirements:

1. Provide an offline single opening controller UL 294 listed and compatible with the Schlage Engage Application.
2. Provide offline controller with the following power options:
  - a. Power Over Ethernet (POE)
    - 1) .5A at 12 VDC for up to 500 feet.
    - 2) 1.5A at 24 VDC for up to 500 feet.
  - b. 12 VDC in 2A at 12 VDC for up to 500 feet.
  - c. 24 VDC in 2A at 24 VDC for up to 500 feet.
3. Provide offline controller with the following communication standards:
  - a. Bluetooth low energy version 4.2.
  - b. 2.4 GHz Wi-Fi (IEEE 802.11b/g/n).
  - c. WPA2, WPA, WEP, 802.1x (PEAP).
  - d. Transport Layer Security (TLS) version 1.2.
  - e. Advanced Encryption Standard (AES) 256-bit.
4. Provide offline controller with the following signal inputs:
  - a. One Schlage MT11-485 or MT15-485 reader.
  - b. Request to Enter (REN).
  - c. Request to Exit (REX).
  - d. Remote Release – hardwired.
  - e. Door Position Switch (DPS).





- f. Reader tamper (TAMP).
- 5. Provide offline controller with the following signal outputs:
  - a. Card Reader 0.3A at 12 VDC for up to 500 feet.
  - b. Locking mechanism: 2A at 30 VDC max.
  - c. Auxiliary: 2A at 30 VDC max.
  - d. Alarm: 2A at 30 VDC max.
- 6. Provide offline controller with the following with operating temperatures between -31 F (-35 C) to 151 F (66 C).
- 7. Provide offline controller with the following on board database:
  - a. up to 5,000 users
  - b. up to 2,000 audits (FIFO)
  - c. up to 16 Time Zones
  - d. up to 32 Holiday Schedules
  - e. up to 16 Schedules (lock & unlock)
- 8. Provide offline controller with the following connectivity options:
  - a. Apple or Droid smart phone – Bluetooth updates to CTE.
  - b. Wi-Fi access point – automatic daily updates (one time per day) if connected to Wi-Fi.
- C. Provide offline controller with “No-Tour” with MT20W enrollment reader and Schlage 1K smart credentials (13.56 MHz).

## 2.18 ACCESS CONTROL PLATFORM

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer: Schlage Engage.
- 2. Acceptable Manufacturers and Products: No Substitute.

### B. Requirements:

- 1. Provide a cloud-based platform capable of managing users, credentials, access rights, schedules, and audits.
- 2. All locks are supplied in construction mode.
- 3. Provide a platform that supports a mobile application (app). Mobile application must allow for:
  - a. Commissioning and configuring devices
  - b. Immediately updating door files
  - c. Retrieving audit information
  - d. Performing firmware updates
- 4. Provide software set up on the owner’s work station and Mobile Device which includes:
  - a. Creation of the Owner’s Account





- b. Creation of the Project Site
  - c. Creation of the Team as directed by the Owner
  - d. Addition of five users
  - e. Set up of MT20W and update firmware
  - f. Create unique credentials and verify proper commissioning of ten locks
5. Provide, at the owner's request, the following on-site training prior to the expiration of the service agreement:
- a. Completing the following with ENGAGE software:
    - 1) Modifying the Team
    - 2) Move in/move out procedure including
      - a) Adding and Deleting Users
      - b) Adding and Deleting Doors
    - 3) Adding, assigning and programming credentials for access
    - 4) Replacing or deleting lost credentials.
    - 5) Retrieving and viewing of audit information
    - 6) Assigning temporary access
  - b. Commissioning and verifying proper functioning between locks and credentials.
  - c. Updating firmware on the locks.
6. Must include a service agreement ending a year after Substantial Completion. This service agreement includes being on-site up to 16 hours for set-up and training, as listed above.

## 2.19 ELECTRIC STRIKES AT RIM PANICS

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Locknetics RS Series.
- 2. Acceptable Manufacturers and Products: Folger Adam 300 Series, HES9400/ 9600 Series.

### B. Requirements:

- 1. Provide electric strikes designed for use with type of locks shown at each opening.
- 2. Provide electric strikes UL Listed as burglary-resistant.
- 3. Where required, provide electric strikes UL Listed for fire doors and frames.
- 4. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

## 2.20 ELECTRIC STRIKES AT LOCKSETS

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Locknetics CS Series.
- 2. Acceptable Manufacturers and Products: Folger Adam 300 Series, HES 5000 Series.





B. Requirements:

1. Provide electric strikes designed for use with type of locks shown at each opening.
2. Provide electric strikes UL Listed as burglary-resistant.
3. Where required, provide electric strikes UL Listed for fire doors and frames.
4. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

## 2.21 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage or Von Duprin PS900 series.
2. Acceptable Manufacturers and Products: Falcon PS900 series, Precision ELR series, Sargent 3500 series.

B. Requirements:

1. Provide power supplies approved by manufacturer of supplied electrified hardware.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.
3. Provide regulated and filtered 24 VDC power supply, and UL class 2 listed.
4. Provide power supplies with the following features:
  - a. 12/24 VDC Output, field selectable.
  - b. Class 2 Rated power limited output.
  - c. Universal 120-240 VAC input.
  - d. Low voltage DC, regulated and filtered.
  - e. Polarized connector for distribution boards.
  - f. Fused primary input.
  - g. AC input and DC output monitoring circuit w/LED indicators.
  - h. Cover mounted AC Input indication.
  - i. Tested and certified to meet UL294.
  - j. NEMA 1 enclosure.
  - k. Hinged cover w/lock down screws.
  - l. High voltage protective cover.

## 2.22 ROLLER LATCHES

A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Bums, Rockwood.





B. Requirements:

1. Provide roller latches with 4-7/8 inches (124 mm) strike at single doors to fit ANSI frame prep. If dummy levers are used in conjunction with roller latch mount roller latch at a height as to not interfere with proper mounting and height of dummy lever.
2. Provide roller latches with 2-1/4 inches (57 mm) full lip strike at pair doors. Mount roller in top rail of each leaf per manufacturer's template.

## 2.23 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer: Falcon
2. Acceptable Manufacturers: Best, Corbin-Russwin, Schlage

B. Requirements:

1. Provide cylinders/cores, from the same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
  - a. Cylinder/Core Type at common areas: Small Format Interchangeable Core (SFIC).
  - b. Cylinder/Core Type at units: Key-in-lever.
  - c. Keyway/Security Type: Standard open.
3. Nickel silver bottom pins.
4. Temporary Construction Cylinder Keying at units.
  - a. Provide construction cores that permit voiding construction keys without cylinder removal, furnished in accordance with the following requirements.
    - 1) Split Key Construction Keying System.
    - 2) 3 "split" construction control keys and extractor tool.
    - 3) 12 construction change (day) keys.
  - b. Owner's Representative will void operation of temporary construction keys.
5. Replaceable Construction Cores.
  - a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
    - 1) 2 construction control keys.
    - 2) 12 construction change (day) keys.
  - b. Owner's Representative will replace construction cores.





## 2.24 KEYING

- A. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
- B. Requirements:
  - 1. Provide keying system capable of multiplex masterkeying.
  - 2. Permanent cylinders/cores keyed by the manufacturer according to the following key system.
    - a. Keying system as directed by the Owner.
    - b. Grand Master Key System: Cylinders/cores operated by change (day) keys and subsequent masters (including grand/great grand) keys.
  - 3. Forward biting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements shall be cause for replacement of cylinders/cores involved at no additional cost to Owner.
  - 4. Provide keys with the following features:
    - a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm).
  - 5. Identification:
    - a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
    - b. Identification stamping provisions must be approved by the Architect and Owner.
    - c. Stamp keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE".
    - d. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
    - e. Permanent cylinders/cores and/or keys are to be shipped directly to Owner's Representative.
  - 6. Quantity: Furnish in the following quantities.
    - a. Change (Day) Keys: 3 per cylinder/core.
    - b. Permanent Control Keys: 3
    - c. Master Keys: 6 per master.
    - d. Unused balance of key blanks shall be furnished to Owner with the cut keys.

## 2.25 KEY CONTROL SYSTEM

- A. Manufacturers:
  - 1. Scheduled Manufacturer: Telkee.
  - 2. Acceptable Manufacturers: HPC, Lund.





B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
  - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
  - b. Provide hinged-panel type cabinet for wall mounting.

## 2.26 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Falcon SC70A series.
2. Acceptable Manufacturers and Products: LCN 4050 series, Norton 7500 series, Sargent 351 series.

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with aluminum cylinder.
3. Closer Body: 1-1/2 inch (38 mm) diameter with 5/8 inch (16 mm) diameter heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

## 2.27 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Falcon SC80A series.
2. Acceptable Manufacturers and Products: LCN 1450 series, Norton 8000 series, Sargent 1331 series.

B. Requirements:





1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory.
2. Provide door closers with fully hydraulic, full rack and pinion action with aluminum cylinder.
3. Closer Body: 1-1/4 inch (32 mm) diameter, with 5/8 inch (16 mm) diameter heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

## 2.28 DOOR CLOSERS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Falcon SC60A series.
2. Acceptable Manufacturers and Products: LCN 1250 series, Norton 1600 series, Sargent 1131 series.

### B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory.
2. Provide door closers with fully hydraulic, full rack and pinion action with aluminum cylinder.
3. Closer Body: 1-3/8 inch (35 mm) diameter with 5/8 inch (16 mm) diameter pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C.
5. Pressure Relief Valve (PRV) Technology: Not permitted.
6. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

## 2.29 DOOR TRIM

### A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Bums, Hiawatha.

### B. Requirements:

1. Provide push plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick and beveled 4 edges. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.





2. Provide push bars of solid bar stock, diameter and length as scheduled. Provide push bars of sufficient length to span from center to center of each stile. Where required, mount back to back with pull.
3. Provide offset pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
4. Provide flush pulls as scheduled. Where required, provide back-to-back mounted model.
5. Provide pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
6. Provide pull plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick, beveled 4 edges, and prepped for pull. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
7. Provide wire pulls of solid bar stock, diameter and length as scheduled.
8. Provide decorative pulls as scheduled. Where required, mount back to back with pull.

## 2.30 PROTECTION PLATES

### A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Bums, Hiawatha.

### B. Requirements:

1. Provide kick plates, mop plates, and armor plates minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes of plates:
  - a. Kick Plates: 10 inches (254 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
  - b. Mop Plates: 4 inches (102 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
  - c. Armor Plates: 36 inches (914 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs

## 2.31 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

### A. Manufacturers:

1. Scheduled Manufacturers: Glynn-Johnson.
2. Acceptable Manufacturers: Rixson, Sargent.

### B. Requirements:

1. Provide heavy duty concealed mounted overhead stop or holder as specified for exterior and interior vestibule single acting doors.





2. Provide heavy duty concealed mounted overhead stop or holder as specified for double acting doors.
3. Provide heavy or medium duty and concealed or surface mounted overhead stop or holder for interior doors as specified. Provide medium duty surface mounted overhead stop for interior doors and at any door that swings more than 140 degrees before striking wall, open against equipment, casework, sidelights, and where conditions do not allow wall stop or floor stop presents tripping hazard.
4. Where overhead holders are specified provide friction type at doors without closer and positive type at doors with closer.

## 2.32 DOOR STOPS AND HOLDERS

### A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Burns, Hiawatha.

### B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide convex type where mortise type locks are used and concave type where cylindrical type locks are used.
2. Where a wall stop cannot be used, provide universal floor stops for low or high rise options.
3. Where wall or floor stop cannot be used, provide medium duty surface mounted overhead stop.

## 2.33 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

### A. Manufacturers:

1. Scheduled Manufacturer: Zero International.
2. Acceptable Manufacturers: National Guard, Reese.

### B. Requirements:

1. Provide thresholds, weather-stripping (including door sweeps, seals, and astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Size of thresholds:
  - a. Saddle Thresholds: 1/2 inch (13 mm) high by jamb width by door width
  - b. Bumper Seal Thresholds: 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width





4. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

## 2.34 SILENCERS

### A. Manufacturers:

1. Scheduled Manufacturer: Steelcraft.
2. Acceptable Manufacturers: Ives, Rockwood.

### B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

## 2.35 MAGNETIC HOLDERS

### A. Manufacturers:

1. Scheduled Manufacturer: LCN.
2. Acceptable Manufacturers: Rixson, Sargent.

### B. Requirements:

1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force.
2. Coordinate projection of holder and armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open.
3. Connect magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.
4. Coordinate voltage requirements for magnetic holders with fire control panel.

## 2.36 DOOR POSITION SWITCHES

### A. Manufacturers:

1. Scheduled Manufacturer: Schlage.
2. Acceptable Manufacturers: GE-Interlogix, Sargent.

### B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device.





## 2.37 DOOR VIEWERS

- A. Manufacturers:
  - 1. Scheduled Manufacturer: Ives.
  - 2. Acceptable Manufacturers: Bums, Rockwood.
- B. Provide appropriate door viewer for door type and rating with minimum of 180-degree view area.

## 2.38 LATCH PROTECTORS

- A. Manufacturers:
  - 1. Scheduled Manufacturer: Ives.
  - 2. Acceptable Manufacturers: Bums, Rockwood.
- B. Provide stainless steel latch protectors of type required to function with specified lock.

## 2.39 COAT HOOKS

- A. Manufacturers:
  - 1. Scheduled Manufacturer: Ives.
  - 2. Acceptable Manufacturers: Bums, Rockwood.
- B. Provide coat hooks as specified.

## 2.40 FINISHES

- A. As specified in hardware sets.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.





### 3.02 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
  - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
  - 2. Custom Steel Doors and Frames: HMMA 831.
  - 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- H. Intermediate Offset Pivots: Where offset pivots are indicated, provide intermediate offset pivots in quantities indicated in door hardware schedule but not fewer than one intermediate offset pivot per door and one additional intermediate offset pivot for every 30 inches (750 mm) of door height greater than 90 inches (2286 mm).
- I. Lock Cylinders: Install construction cores to secure building and areas during construction period.
  - 1. Replace construction cores with permanent cores as indicated in keying section.
  - 2. Furnish permanent cores to Owner Representative for installation.
- J. Wiring: Coordinate with Division 26, ELECTRICAL sections for:
  - 1. Conduit, junction boxes and wire pulls.
  - 2. Connections to and from power supplies to electrified hardware.
  - 3. Connections to fire/smoke alarm system and smoke evacuation system.
  - 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
  - 5. Testing and labeling wires with Architect's opening number.





6. Connections to panel interface modules, controllers and gateways
- K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- L. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- M. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- N. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- O. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- P. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- Q. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- R. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- S. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

### 3.03 FIELD QUALITY CONTROL

- A. Architectural Hardware Consultant: Engage qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.
1. Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

### 3.04 FIELD INSPECTIONS:

- A. Fire Door Assembly Inspection and Testing: Provide functional testing and inspection of fire door assemblies in accordance with NFPA 80-2007/2010. Inspections shall be performed by individuals certified by Intertek as a Fire Door Assembly Inspector, using reporting forms provided by the Door and Hardware Institute (DHI). Alternatively, inspections may be performed by individuals acceptable to the Architect, who have knowledge and understanding of the operating components of the applicable door type, and who have experience in preparing written reports of testing and inspection results.





1. Schedule fire door assembly inspection within 90 days of Substantial Completion of the Project.
  2. Submit a signed, written final report as specified in Paragraph 1.4: Submittals.
  3. Contractor shall correct all deficiencies and schedule a reinspection of fire door assemblies which were noted as deficient on the inspection report.
  4. Inspector shall reinspect fire door assemblies after repairs are made.
  5. Additional reinspections which are required due to incomplete repairs will be performed by the inspector at the expense of the Contractor.
- B. Provide inspection of required egress door assemblies by a qualified person in accordance with NFPA 101.
1. Schedule egress door assembly inspection within 90 days of Substantial Completion of the Project for the required openings.
  2. Submit a signed, written final report as specified in Paragraph 1.03.E.2.
  3. Correct all deficiencies and schedule a reinspection of egress door assemblies noted as deficient on the inspection report.
  4. Inspector to reinspect required egress door assemblies after repairs are made.

### 3.05 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
1. Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.
  2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
  3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, Installer's Architectural Hardware Consultant must examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

### 3.06 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.





### 3.07 DOOR HARDWARE SCHEDULE

A. Hardware items are referenced in the following hardware. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

B. Hardware Sets:

88718 OPT0317039 Version 3

HARDWARE GROUP NO. 01

For use on Door #(s):

114A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	ENTRY / OFFICE LOCK	W511BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	MOUNTING PLATE	SC80A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC80A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC80A-61 AS REQ'D	689	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE





HARDWARE GROUP NO. 02

For use on Door #(s):

114 120

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	PANIC HARDWARE	LD-24-RNLOP	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	90 DEG OFFSET PULL	8190HD 12" O	619	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	MOUNTING PLATE	SC70A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC70A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC70A-61 AS REQ'D	689	FAL
	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	INTERCOM	BY ACCESS CONTROL PROVIDER		
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY . FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 03

For use on Door #(s):

140

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-RNL	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 04

For use on Door #(s):

207                      212

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
1	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	PANIC HARDWARE	LD-24-R-L-LON	619	FAL
1	EA	MORTISE CYLINDER	C987-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SFIC CONST. CORE	C607CCA	622	FAL
1	EA	SURFACE CLOSER	SC71A RW/PA	689	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER





HARDWARE GROUP NO. 04A

For use on Door #(s):

219

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
1	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SFIC CONST. CORE	C607CCA	622	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	OH STOP	410S	630	GLY
1	EA	SURFACE CLOSER	SC71A RW/PA	689	FAL
1	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 05

For use on Door #(s):

101

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	PANIC HARDWARE	LD-24-RNLOP	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	90 DEG OFFSET PULL	8190HD 12" O	619	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	MOUNTING PLATE	SC70A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC70A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC70A-61 AS REQ'D	689	FAL
	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 06

For use on Door #(s):

107A ST-41A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-REO	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	DOOR PULL	VR810 NL	630	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	GASKETING	429AAS	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 07

For use on Door #(s):

100B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	PANIC HARDWARE	ID-25-REO	619	FAL
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	GASKETING	429AAS	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 08

For use on Door #(s):

104 108 150 ST-20

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-RNL	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.

DOOR HARDWARE

087100-41  
5/1/2023





HARDWARE GROUP NO. 09

For use on Door #(s):

138

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	PANIC HARDWARE	ID-25-RNL	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC71A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 10

For use on Door #(s):

121

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 11

For use on Door #(s):

213                      222                      312                      411                      511

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	PASSAGE SET	W101S LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER





HARDWARE GROUP NO. 11A

For use on Door #(s):

126

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	PASSAGE SET	W101S LON	619	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 12

For use on Door #(s):

118

215

223

225

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	PRIVACY LOCK	W301S LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CCV	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER





HARDWARE GROUP NO. 13

For use on Door #(s):

109

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 14

For use on Door #(s):

136

227

315

413

513

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER





HARDWARE GROUP NO. 15

For use on Door #(s):

137M          245          319          417          517

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ'D	630	IVE
1	EA	STOREROOM LOCK	T581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	SC81A SS	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	SET	MEETING STILE	328AAS	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 16

For use on Door #(s):

119

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
3	EA	SILENCER	Q146		STE





HARDWARE GROUP NO. 17

For use on Door #(s):

103

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER

HARDWARE GROUP NO. 18

For use on Door #(s):

113

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	ENTRY / OFFICE LOCK	W511BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	MOUNTING PLATE	SC80A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC80A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC80A-61 AS REQ'D	689	FAL

HARDWARE GROUP NO. 19 - NOT USED





HARDWARE GROUP NO. 20

For use on Door #(s):

145M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ'D	630	IVE
1	EA	STOREROOM LOCK	T581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURF OH STOP	450S	652	GLY
2	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	SET	MEETING STILE	328AAS	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 21

For use on Door #(s):

108M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ'D	630	IVE
1	EA	STOREROOM LOCK	T581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	EA	WALL STOP	WS406/407CVX	619	IVE
2	SET	MEETING STILE	328AAS	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER





HARDWARE GROUP NO. 22

For use on Door #(s):

116

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	ELEC CLASSROOM LOCK	CO-100-CY-70-KP-LON-B 4B	619	SCE
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
3	EA	SILENCER	Q146		STE

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CODE MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 23

For use on Door #(s):

127M	128M	129M	130	131	132
133	231	232	233	234	235
236	237	238	239	240	241
242	243	244	247		

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	DEADBOLT	BE467F GRW/ADD	619	SCH
1	EA	PASSAGE SET	W101S LON	619	FAL
1	EA	SURFACE CLOSER	SC61A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

OPERATION: VALID CREDENTIAL ALLOWS DEADBOLT TO BE RETRACTED OR THROWN WITH THUMB TURN.





HARDWARE GROUP NO. 24

For use on Door #(s):

104M	123	125M	126M	142M	143M
216	217	220	228	229	246
313	314	316	317	320	412
414	415	418	512	514	515
518					

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 24A

For use on Door #(s):

224

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	ASYLUM LOCK	T411BDC LON	619	FAL
2	EA	SFIC CORE	C607	626	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER





HARDWARE GROUP NO. 25

For use on Door #(s):

141M 151

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 26

For use on Door #(s):

214                      221                      226

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
1	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 27

For use on Door #(s):

139

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 28

For use on Door #(s):

122

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 29

For use on Door #(s):

249

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURF OH STOP	450S	652	GLY
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 30

For use on Door #(s):

112

144M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURF OH STOP	450S	652	GLY
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

DOOR HARDWARE

087100-55  
5/1/2023





HARDWARE GROUP NO. 31

For use on Door #(s):

230                      250                      318                      416                      516

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 32

For use on Door #(s):

002

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER





HARDWARE GROUP NO. 32A

For use on Door #(s):  
ST-36

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	SET	GASKETING	429AAS	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	65A	A	ZER

HARDWARE GROUP NO. 33

For use on Door #(s):

205	209	210	211	305	308
405	408	505	508		

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
2	EA	FIRE EXIT HARDWARE	F-25-VEO-LBR	619	FAL
2	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	EA	FIRE/LIFE WALL MAG	SEM7800 SERIES AS REQ'D	689	LCN
2	SET	MEETING STILE	328AAS	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER

OPERATION: FIRE ALARM RELEASES HOLD OPENS ALLOWING DOOR TO CLOSE AND LATCH. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 34

For use on Door #(s):

ST-11 ST-21

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	FIRE EXIT HARDWARE	F-25-RLBE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 35

For use on Door #(s):

ST-11A ST-21M ST-30

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-RLBE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER





HARDWARE GROUP NO. 36

For use on Door #(s):

ST-22	ST-23	ST-24	ST-25	ST-31	ST-31M
ST-41	ST-41M	ST-42	ST-43	ST-44	ST-45

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-BE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 36A

For use on Door #(s):

107

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-N-L-LON	619	FAL
1	EA	MORTISE CYLINDER	C987-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.





HARDWARE GROUP NO. 36B

For use on Door #(s):

ST-12	ST-13	ST-14	ST-15	ST-21A	ST-32
ST-33	ST-34	ST-35			

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELEC FIRE EXIT HARDWARE	FSAF-25-R-LION 24 VDC	619	FAL
1	EA	MORTISE CYLINDER	C987-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 900-4R-FA [COORDINATE WITH ACCESS CONTROL]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED FROM PULL SIDE. VALID CREDENTIAL  
MOMENTARILY UNLOCKS DOOR. UPON LOSS OF POWER OR ACTIVATION OF FIRE ALARM, DOOR  
UNLOCKS ALLOWING IMMEDIATE RE-ENTRY INTO CORRIDOR. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 36C - NOT USED

HARDWARE GROUP NO. 37 - NOT USED





HARDWARE GROUP NO. 38

For use on Door #(s):

ST-10

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-B-E-L-O-N	619	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 39

For use on Door #(s):

102          102A          102B          110          111          124

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	DEADLOCK	MS1850S X 4089	628	ADA
2	EA	MORTISE CYLINDER	20-061 ICX TRIM CYLINDER	626	SCH
2	EA	SFIC CORE	C607	626	FAL
1	EA	PUSH/PULL BAR	9190HD-12"NS	619	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	MOUNTING PLATE	SC70A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC70A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC70A-61 AS REQ'D	689	FAL
1	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER





HARDWARE GROUP NO. 40

For use on Door #(s):

110A                      111A                      124A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	VIEWER	U698 X COVER	626	IVE
[PROVIDE 2 @ ACCESSIBLE UNITS]					

HARDWARE GROUP NO. 41

For use on Door #(s):

100A                      103A                      106                      109A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA	NOTE	ALL HARDWARE BY DOOR SUPPLIER		





HARDWARE GROUP NO. 42

For use on Door #(s):

105

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.

DOOR CAN ALSO BE UNLOCKED VIA KEY.

HARDWARE GROUP NO. MISC

For use on Door #(s):

MISC

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	MULTITECH READER	MT20W	BLK	SCE
25	EA	CONSTRUCTION FOBS	9651 (CT8X4248)	BLK	SCE
	EA	CREDENTIAL	9691T (3 PER UNIT + 20)	BLK	SCE





HARDWARE GROUP NO. U01

For use on Door #(s):

U101	U102	U103	U104	U105	U106
U107	U108	U109	U110	U111	U112
U113	U114	U115	U116	U117	U118
U119	U120	U121	U122	U123	U124
U201	U202	U203	U204	U206	U208
U210	U211	U212	U214	U217	U218
U219	U220	U221	U222	U223	U224
U225	U226	U227	U228	U229	U230
U231	U232	U233	U234	U235	U240
U241	U242	U243	U244	U245	U246
U248	U301	U302	U303	U304	U305
U306	U307	U308	U309	U310	U311
U312	U313	U314	U315	U316	U317
U318	U319	U320	U321	U322	U323
U324	U325	U326	U327	U328	U329
U330	U331	U332	U333	U334	U335
U336	U338	U340	U341	U342	U343
U344	U345	U346	U347	U348	U349
U401	U402	U403	U404	U405	U406
U407	U408	U409	U410	U411	U412
U413	U414	U415	U416	U417	U418
U419	U420	U421	U422	U423	U424
U425	U426	U427	U428	U429	U430
U431	U432	U433	U434	U435	U436
U437	U438	U439	U440	U441	U442
U443	U444	U445	U446	U447	U448
U449	U501	U502	U503	U504	U505
U506	U507	U508	U509	U510	U511
U512	U513	U514	U515	U516	U517
U518	U519	U520	U521	U522	U523
U524	U525	U526	U527	U528	U529
U530	U531	U532	U533	U534	U535
U536	U537	U538	U539	U540	U541
U542	U543	U544	U545	U546	U547
U548	U549				

Provide each OPENING with the following:

DOOR HARDWARE

087100-64  
5/1/2023





WC GDP FOUNTAIN SQUARE, LLC  
UNK

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	SPRING HINGE	3SP1 4 X 4	FBLK/6 31	IVE
1	EA	HINGE	5BB1 4 X 4	FBLK/6 31	IVE
1	EA	DEADBOLT	BE467F-B GRW/ADD	622	SCH
1	EA	PASSAGE SET	W101S LON	622	FAL
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	253A	A	ZER
1	EA	THRESHOLD	544A	A	ZER
1	EA	VIEWER	U700 [PROVIDE 2 @ ACCESSIBLE UNITS]	622	IVE

OPERATION: VALID CREDENTIAL ALLOWS DEADBOLT TO BE RETRACTED OR THROWN WITH THUMB TURN.

HARDWARE GROUP NO. U02

For use on Door #(s):

A B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
1	EA	PRIVACY LOCK	F40 LAT	622	SCH
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE
1	EA	COAT AND HAT HOOK	582 [PROVIDE ONLY @ BATHROOM]	622	IVE

DOOR HARDWARE

087100-65  
5/1/2023





HARDWARE GROUP NO. U03

For use on Door #(s):

C E F G H J

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
1	EA	PASSAGE SET	J10 SOL	622	SCH
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE

HARDWARE GROUP NO. U04

For use on Door #(s):

K M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
2	EA	BALL CATCH	349	622	IVE
2	EA	SINGLE DUMMY TRIM	J170 SOL	622	SCH
2	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE

HARDWARE GROUP NO. U05

For use on Door #(s):

D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
1	EA	PASSAGE SET	J10 SOL	622	SCH
1	EA	SGL CYL DEADBOLT	J60	622	SCH





HARDWARE GROUP NO. U06

For use on Door #(s):

P2	U201A	U202A	U203A	U204A	U248A
U301A	U302A	U303A	U304A	U348A	U349A
U401A	U402A	U403A	U404A	U448A	U449A
U501A	U502A	U503A	U504A	U548A	U549A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5PB1 4 X 4 [PER 08 71 00]	622	IVE
1	EA	DEADBOLT	BE467F-B GRW / ADD [ @ GROUND FLOOR ONLY]	622	SCH
1	EA	PASSAGE SET	W101S LON	622	FAL
1	EA	ONE-SIDED DEADBOLT	B80 [ @ ABOVE GROUND FLOOR]	622	SCH
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE
1	EA	DOOR SWEEP	153BK (UNLESS FURNISHED BY PRE-HUNG DOOR MFR)	BK	ZER
1	EA	GASKETING	370A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

OPERATION: VALID CREDENTIAL ALLOWS DEADBOLT TO BE RETRACTED OR THROWN WITH THUMB TURN.

HARDWARE GROUP NO. U07

For use on Door #(s):

P

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA	ALL HARDWARE	BY SLIDING BALCONY DR MFG		B/O

END OF SECTION



**Addendum #4 - Post Bid  
05-01-2023**

Door#	HwSet#
002	32
100A	41
100B	07
101	05
102	39
102A	39
102B	39
103	17
103A	41
104	08
104M	24
105	42
106	41
107	36A
107A	06
108	08
108M	21
109	13
109A	41
110	39
110A	40
111	39
111A	40
112	30
113	18
114	02
114A	01
116	22
118	12
119	16
120	02
121	10
122	28
123	24
124	39
124A	40
125M	24
126	11A
126M	24
127M	23

Door#	HwSet#
128M	23
129M	23
130	23
131	23
132	23
133	23
136	14
137M	15
138	09
139	27
140	03
141M	25
142M	24
143M	24
144M	30
145M	20
150	08
151	25
205	33
207	04
209	33
210	33
211	33
212	04
213	11
214	26
215	12
216	24
217	24
219	04A
220	24
221	26
222	11
223	12
224	24A
225	12
226	26
227	14
228	24
229	24

Door#	HwSet#
230	31
231	23
232	23
233	23
234	23
235	23
236	23
237	23
238	23
239	23
240	23
241	23
242	23
243	23
244	23
245	15
246	24
247	23
249	29
250	31
305	33
308	33
312	11
313	24
314	24
315	14
316	24
317	24
318	31
319	15
320	24
405	33
408	33
411	11
412	24
413	14
414	24
415	24
416	31
417	15



**Addendum #4 - Post Bid**  
**05-01-2023**

Door#	HwSet#
418	24
505	33
508	33
511	11
512	24
513	14
514	24
515	24
516	31
517	15
518	24
A	U02
B	U02
C	U03
D	U05
E	U03
F	U03
G	U03
H	U03
J	U03
K	U04
M	U04
MISC	MISC
P	U07
P2	U06
ST-10	38
ST-11	34
ST-11A	35
ST-12	36B
ST-13	36B
ST-14	36B
ST-15	36B
ST-20	08
ST-21	34
ST-21A	36B
ST-21M	35
ST-22	36
ST-23	36
ST-24	36
ST-25	36

Door#	HwSet#
ST-30	35
ST-31	36
ST-31M	36
ST-32	36B
ST-33	36B
ST-34	36B
ST-35	36B
ST-36	32A
ST-41	36
ST-41A	06
ST-41M	36
ST-42	36
ST-43	36
ST-44	36
ST-45	36
U101	U01
U102	U01
U103	U01
U104	U01
U105	U01
U106	U01
U107	U01
U108	U01
U109	U01
U110	U01
U111	U01
U112	U01
U113	U01
U114	U01
U115	U01
U116	U01
U117	U01
U118	U01
U119	U01
U120	U01
U121	U01
U122	U01
U123	U01
U124	U01
U201	U01

Door#	HwSet#
U201A	U06
U202	U01
U202A	U06
U203	U01
U203A	U06
U204	U01
U204A	U06
U206	U01
U208	U01
U210	U01
U211	U01
U212	U01
U214	U01
U217	U01
U218	U01
U219	U01
U220	U01
U221	U01
U222	U01
U223	U01
U224	U01
U225	U01
U226	U01
U227	U01
U228	U01
U229	U01
U230	U01
U231	U01
U232	U01
U233	U01
U234	U01
U235	U01
U240	U01
U241	U01
U242	U01
U243	U01
U244	U01
U245	U01
U246	U01
U248	U01



**Addendum #4 - Post Bid**  
**05-01-2023**

Door#	HwSet#
U248A	U06
U301	U01
U301A	U06
U302	U01
U302A	U06
U303	U01
U303A	U06
U304	U01
U304A	U06
U305	U01
U306	U01
U307	U01
U308	U01
U309	U01
U310	U01
U311	U01
U312	U01
U313	U01
U314	U01
U315	U01
U316	U01
U317	U01
U318	U01
U319	U01
U320	U01
U321	U01
U322	U01
U323	U01
U324	U01
U325	U01
U326	U01
U327	U01
U328	U01
U329	U01
U330	U01
U331	U01
U332	U01
U333	U01
U334	U01
U335	U01

Door#	HwSet#
U336	U01
U338	U01
U340	U01
U341	U01
U342	U01
U343	U01
U344	U01
U345	U01
U346	U01
U347	U01
U348	U01
U348A	U06
U349	U01
U349A	U06
U401	U01
U401A	U06
U402	U01
U402A	U06
U403	U01
U403A	U06
U404	U01
U404A	U06
U405	U01
U406	U01
U407	U01
U408	U01
U409	U01
U410	U01
U411	U01
U412	U01
U413	U01
U414	U01
U415	U01
U416	U01
U417	U01
U418	U01
U419	U01
U420	U01
U421	U01
U422	U01

Door#	HwSet#
U423	U01
U424	U01
U425	U01
U426	U01
U427	U01
U428	U01
U429	U01
U430	U01
U431	U01
U432	U01
U433	U01
U434	U01
U435	U01
U436	U01
U437	U01
U438	U01
U439	U01
U440	U01
U441	U01
U442	U01
U443	U01
U444	U01
U445	U01
U446	U01
U447	U01
U448	U01
U448A	U06
U449	U01
U449A	U06
U501	U01
U501A	U06
U502	U01
U502A	U06
U503	U01
U503A	U06
U504	U01
U504A	U06
U505	U01
U506	U01
U507	U01



**Addendum #4 - Post Bid**  
**05-01-2023**

Door#	HwSet#
U508	U01
U509	U01
U510	U01
U511	U01
U512	U01
U513	U01
U514	U01
U515	U01
U516	U01
U517	U01
U518	U01
U519	U01
U520	U01
U521	U01
U522	U01
U523	U01
U524	U01
U525	U01
U526	U01
U527	U01
U528	U01
U529	U01
U530	U01
U531	U01
U532	U01
U533	U01
U534	U01
U535	U01
U536	U01
U537	U01
U538	U01
U539	U01
U540	U01
U541	U01
U542	U01
U543	U01
U544	U01
U545	U01
U546	U01
U547	U01

Door#	HwSet#
U548	U01
U548A	U06
U549	U01
U549A	U06



88718 OPT0317039

V2 4/3/2023 vs. V3 4/28/2023

HARDWARE GROUP NO. 01

For use on Door #(s):

114A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
<u>1</u>	<u>EA</u>	<u>ENTRY / OFFICE LOCK</u>	<u>W511BDC LON</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SFIC CORE</u>	<u>C607</u>	<u>626</u>	<u>FAL</u>
<del>4</del>	<del>EA</del>	<del>PUSH/PULL BAR</del>	<del>9190EZHD-12"NS</del>	<del>619</del>	<del>IVE</del>
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	MOUNTING PLATE	SC80A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC80A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC80A-61 AS REQ'D	689	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE



HARDWARE GROUP NO. 02

For use on Door #(s):

114                      120

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	PANIC HARDWARE	LD-24-RNLOP	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	90 DEG OFFSET PULL	8190HD 12" O	619	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	MOUNTING PLATE	SC70A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC70A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC70A-61 AS REQ'D	689	FAL
	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	INTERCOM	BY ACCESS CONTROL PROVIDER		
1	EA	CONTROLLER	CTE-MT1 1/MT1 5-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY . FREE EGRESS AT ALL TIMES.



## HARDWARE GROUP NO. 03

For use on Door #(s):

140~~140A~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-RNL	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



## HARDWARE GROUP NO. 04

For use on Door #(s):

207                      212                      ~~219~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
1	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
<del>4</del>	EA	<del>PANIC HARDWARE</del>	<del>24-RNLOP</del>	<del>619</del>	<del>FAL</del>
<u>1</u>	<u>EA</u>	<u>PANIC HARDWARE</u>	<u>LD-24-R-L-LON</u>	<u>619</u>	<u>FAL</u>
<del>4</del>	EA	<del>SFIC CYLINDER</del>	<del>C953-7CCA</del>	<del>619</del>	<del>FAL</del>
<u>1</u>	<u>EA</u>	<u>MORTISE CYLINDER</u>	<u>C987-7CCA</u>	<u>619</u>	<u>FAL</u>
1	EA	SFIC CORE	C607	626	FAL
1	EA	SFIC CONST. CORE	C607CCA	622	FAL
<del>4</del>	EA	<del>90 DEG OFFSET PULL</del>	<del>8190HD 12" O</del>	<del>619</del>	<del>IVE</del>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC71A RW/PA</u>	<u>689</u>	<u>FAL</u>
<del>4</del>	EA	<del>SURFACE CLOSER</del>	<del>SC71A RW/PA</del>	<del>689</del>	<del>FAL</del>
			[MOUNT ON PULL SIDE OF DOOR]		
1	EA	WALL STOP	WS406/407CVX	619	IVE
<del>4</del>	EA	<del>RAIN DRIP</del>	<del>142AA</del>	<del>AA</del>	<del>ZER</del>
			[MOUNT ON PUSH SIDE OF DOOR]		
1	SET	WEATHER STRIPPING	BY DOOR/ FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
<u>1</u>	<u>EA</u>	<u>THRESHOLD</u>	<u>655A-223</u>	<u>A</u>	<u>ZER</u>
<del>4</del>	EA	<del>THRESHOLD</del>	<del>65A</del>	<del>A</del>	<del>ZER</del>

~~(NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.)~~



HARDWARE GROUP NO. 04A

For use on Door #(s):

219

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>1</u>	<u>EA</u>	<u>PIVOT SET</u>	<u>7212 SET</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>INTERMEDIATE PIVOT</u>	<u>7212 INT</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>STOREROOM LOCK</u>	<u>W581BDC LON</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SFIC CORE</u>	<u>C607</u>	<u>626</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SFIC CONST. CORE</u>	<u>C607CCA</u>	<u>622</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>ELECTRIC STRIKE</u>	<u>CS750</u>	<u>630</u>	<u>LOC</u>
<u>1</u>	<u>EA</u>	<u>OH STOP</u>	<u>410S</u>	<u>630</u>	<u>GLY</u>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC71A RW/PA</u>	<u>689</u>	<u>FAL</u>
<u>1</u>	<u>SET</u>	<u>WEATHER STRIPPING</u>	<u>BY DOOR/FRAME MANUFACTURER</u>		
<u>1</u>	<u>EA</u>	<u>DOOR SWEEP</u>	<u>39A</u>	<u>A</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>THRESHOLD</u>	<u>655A-223</u>	<u>A</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>CONTROLLER</u>	<u>CTE-MT11/MT15-485-B</u>	<u>B</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>POWER SUPPLY</u>	<u>PS902 900-4R [COORDINATE WITH</u> <u>ACCESS CONTROL PROVIDER]</u>	<u>LGR</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>DIAGRAM</u>	<u>ELEVATION</u>		<u>DLR</u>
<u>1</u>	<u>EA</u>	<u>DIAGRAM</u>	<u>POINT TO POINT</u>		<u>DLR</u>

OPERATION: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 05

For use on Door #(s):

101

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	PANIC HARDWARE	LD-24-RNLOP	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	90 DEG OFFSET PULL	8190HD 12" O	619	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	MOUNTING PLATE	SC70A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC70A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC70A-61 AS REQ'D	689	FAL
	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 06

For use on Door #(s):

107A ST-41A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-REO	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	DOOR PULL	VR810 NL	630	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 07

For use on Door #(s):

100B                      ~~107A~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
<del>1</del>	<del>EA</del>	<del>FIRE EXIT HARDWARE</del>	<del>F-25-REO</del>	<del>619</del>	<del>FAL</del>
<u>1</u>	<u>EA</u>	<u>PANIC HARDWARE</u>	<u>LD-25-R-EO</u>	<u>619</u>	<u>FAL</u>
<del>1</del>	<del>EA</del>	<del>SFIC CYLINDER</del>	<del>C953-7CCA</del>	<del>619</del>	<del>FAL</del>
<del>1</del>	<del>EA</del>	<del>SFIC CORE</del>	<del>C607</del>	<del>626</del>	<del>FAL</del>
<del>1</del>	<del>EA</del>	<del>DOOR PULL</del>	<del>VR810-NL</del>	<del>630</del>	<del>IVE</del>
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	GASKETING	429AAS	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER



## HARDWARE GROUP NO. 08

For use on Door #(s):

104            108            ~~126A~~            ~~135A~~            150            ST-20

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-RNL	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



## HARDWARE GROUP NO. 09

For use on Door #(s):

138~~138A~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	PANIC HARDWARE	LD-25-RNL	619	FAL
1	EA	SFIC CYLINDER	C953-7CCA	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	RS300	630	LOC
1	EA	SURFACE CLOSER	SC71A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



## HARDWARE GROUP NO. 10

For use on Door #(s):

121

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
<u>1</u>	<u>EA</u>	<u>STOREROOM LOCK</u>	<u>W581BDC LON</u>	<u>619</u>	<u>FAL</u>
<del>4</del>	<del>EA</del>	<del>FIRE EXIT HARDWARE</del>	<del>F25-RNL</del>	<del>619</del>	<del>FAL</del>
<del>4</del>	<del>EA</del>	<del>SFIC CYLINDER</del>	<del>C953-7CCA</del>	<del>619</del>	<del>FAL</del>
1	EA	SFIC CORE	C607	626	FAL
<u>1</u>	<u>EA</u>	<u>ELECTRIC STRIKE</u>	<u>CS750</u>	<u>630</u>	<u>LOC</u>
<del>4</del>	<del>EA</del>	<del>ELECTRIC STRIKE</del>	<del>RS300</del>	<del>630</del>	<del>LOC</del>
<del>4</del>	<del>EA</del>	<del>SURFACE CLOSER</del>	<del>SC71A-RW/PA</del>	<del>689</del>	<del>FAL</del>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC71A SS</u>	<u>689</u>	<u>FAL</u>
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
<del>4</del>	<del>EA</del>	<del>WALL STOP</del>	<del>WS406/407CVX</del>	<del>619</del>	<del>IVE</del>
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-8P [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 11

For use on Door #(s):

213                      222                      312                      411                      511

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	PASSAGE SET	W101S LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 11A

For use on Door #(s):

126

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>1</u>	<u>SET</u>	<u>HINGE</u>	<u>5BB1 4.5 X 4.5 NRP [PER 08 71 00]</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>PASSAGE SET</u>	<u>W101S LON</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC81A SS</u>	<u>689</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>KICK PLATE</u>	<u>8400 8" X 2" LDW B-CS</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>GASKETING</u>	<u>488SBK PSA</u>	<u>BK</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>DOOR SWEEP</u>	<u>39A</u>	<u>A</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>THRESHOLD</u>	<u>655A-223</u>	<u>A</u>	<u>ZER</u>



# HARDWARE GROUP NO. 12

For use on Door #(s):

118                      215                      223                      225

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	PRIVACY LOCK	W301S LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CCV	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

# HARDWARE GROUP NO. 13

For use on Door #(s):

109

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER



#### HARDWARE GROUP NO. 14

For use on Door #(s):

136      ~~136A~~      227      315      413      513

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER

#### HARDWARE GROUP NO. 15

For use on Door #(s):

137M      245      319      417      517

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ'D	630	IVE
1	EA	STOREROOM LOCK	T581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	SC81A SS	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	SET	MEETING STILE	328AA-S	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER



HARDWARE GROUP NO. 16

For use on Door #(s):

119

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
3	EA	SILENCER	Q146		STE

HARDWARE GROUP NO. 17

For use on Door #(s):

103

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	CLASSROOM LOCK	W561BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER



#### HARDWARE GROUP NO. 18

For use on Door #(s):

113

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	ENTRY / OFFICE LOCK	W511BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	MOUNTING PLATE	SC80A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC80A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC80A-61 AS REQ'D	689	FAL

#### HARDWARE GROUP NO. 19- NOT USED

#### HARDWARE GROUP NO. 20

For use on Door #(s):

145M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ'D	630	IVE
1	EA	STOREROOM LOCK	T581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURF OH STOP	450S	652	GLY
2	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	SET	MEETING STILE	328AAS	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER



## HARDWARE GROUP NO. 21

For use on Door #(s):

108M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ'D	630	IVE
1	EA	STOREROOM LOCK	T581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	EA	WALL STOP	WS406/407CVX	619	IVE
2	SET	MEETING STILE	328AAS	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER

## HARDWARE GROUP NO. 22

For use on Door #(s):

116

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	ELEC CLASSROOM LOCK	CO-100-CY-70-KP-LON-B 4B	619	SCE
1	EA	SFIC CORE	C607	626	FAL
<del>4</del>	EA	<del>SURFACE CLOSER</del>	<del>SC81A RW/PA</del>	<del>689</del>	<del>FAL</del>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC81A SS</u>	<u>689</u>	<u>FAL</u>
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
3	EA	SILENCER	Q146		STE

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CODE MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 23

For use on Door #(s):

127M	128M	129M	<u>130</u>	<del>130M</del>	<u>131</u>
<del>131M</del>	<u>132</u>	<del>132M</del>	<u>133</u>	<del>133M</del>	231
232	233	234	235	236	237
238	239	240	241	242	243
244	<u>247</u>				

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
<u>1</u>	<u>EA</u>	<u>DEADBOLT</u>	<u>BE467F GRW/ADD</u>	<u>619</u>	<u>SCH</u>
<u>1</u>	<u>EA</u>	<u>PASSAGE SET</u>	<u>W101S LON</u>	<u>619</u>	<u>FAL</u>
<del>4</del>	<del>EA</del>	<del>STOREROOM LOCK</del>	<del>W581BDC LON</del>	<del>619</del>	<del>FAL</del>
<del>4</del>	<del>EA</del>	<del>SFIC CORE</del>	<del>C60Z</del>	<del>626</del>	<del>FAL</del>
1	EA	SURFACE CLOSER	SC61A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

OPERATION: VALID CREDENTIAL ALLOWS DEADBOLT TO BE RETRACTED OR THROWN WITH THUMB TURN.



HARDWARE GROUP NO. 24

For use on Door #(s):

104M	123	125M	126M	142M	143M
216	217	220	228	229	246
<del>247</del>	<del>250</del>	313	314	316	317
320	412	414	415	418	512
514	515	518			

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 24A

For use on Door #(s):

224

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>1</u>	<u>SET</u>	<u>HINGES</u>	<u>5BB1 4.5 X 4.5 [PER 08 71 00]</u>	<u>646</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>ASYLUM LOCK</u>	<u>T411BDC LON</u>	<u>619</u>	<u>FAL</u>
<u>2</u>	<u>EA</u>	<u>SFIC CORE</u>	<u>C607</u>	<u>626</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>WALL STOP</u>	<u>WS406/407CVX</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>GASKETING</u>	<u>488SBK PSA</u>	<u>BK</u>	<u>ZER</u>



HARDWARE GROUP NO. 25

For use on Door #(s):

141M 151

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 26

For use on Door #(s):

214                      221                      226

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
1	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



## HARDWARE GROUP NO. 27

For use on Door #(s):

139~~139AA~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	355AA	AA	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 28

For use on Door #(s):

122                      ~~224~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



## HARDWARE GROUP NO. 29

For use on Door #(s):

249

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURF OH STOP	450S	652	GLY
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.

## HARDWARE GROUP NO. 30

For use on Door #(s):

112

144M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURF OH STOP	450S	652	GLY
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER



HARDWARE GROUP NO. 31

For use on Door #(s):

230                      250                      318                      416                      516

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 32

For use on Door #(s):

002

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER



HARDWARE GROUP NO. 32A

For use on Door #(s):

ST-36

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>1</u>	<u>SET</u>	<u>HINGE</u>	<u>5BB1 4.5 X 4.5 NRP [PER 08 71 00]</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>STOREROOM LOCK</u>	<u>W581BDC LON</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SFIC CORE</u>	<u>C607</u>	<u>626</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC81A RW/PA</u>	<u>689</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>WALL STOP</u>	<u>WS406/407CVX</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>SET</u>	<u>GASKETING</u>	<u>429AA-S</u>	<u>AA</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>DOOR SWEEP</u>	<u>39A</u>	<u>A</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>THRESHOLD</u>	<u>65A</u>	<u>A</u>	<u>ZER</u>

HARDWARE GROUP NO. 33

For use on Door #(s):

205	209	210	211	305	308
405	408	505	508		

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
2	EA	FIRE EXIT HARDWARE	F-25-VEO-LBR	619	FAL
2	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
2	EA	KICK PLATE	8400 8" X 1" LDW B-CS	619	IVE
2	EA	FIRE/LIFE WALL MAG	SEM7800 SERIES AS REQ'D	689	LCN
2	SET	MEETING STILE	328AA-S	AA	ZER
1	EA	GASKETING	488SBK PSA	BK	ZER

OPERATION: FIRE ALARM RELEASES HOLD OPENS ALLOWING DOOR TO CLOSE AND LATCH. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 34

For use on Door #(s):

ST-11                      ST-21

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-BE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 35

For use on Door #(s):

~~108~~                      ST-11A                      ST-21M                      ST-30

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-BE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER



## HARDWARE GROUP NO. 36

For use on Door #(s):

<del>107</del>	<del>ST-12</del>	<del>ST-13</del>	<del>ST-14</del>	<del>ST-15</del>	ST-22
ST-23	ST-24	ST-25	ST-31	ST-31M	<del>ST-32</del>
<del>ST-33</del>	<del>ST-34</del>	<del>ST-35</del>	ST-41	ST-41M	ST-42
ST-43	ST-44	ST-45			

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGES	5BB1 4.5 X 4.5 [PER 08 71 00]	646	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-BE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A RW/PA	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	WALL STOP	WS406/407CVX	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 36A

For use on Door #(s):

107

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>1</u>	<u>SET</u>	<u>HINGES</u>	<u>5BB1 4.5 X 4.5 [PER 08 71 00]</u>	<u>646</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>FIRE EXIT HARDWARE</u>	<u>F-25-R-L-NL-LON</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>MORTISE CYLINDER</u>	<u>C987-7CCA</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SFIC CORE</u>	<u>C607</u>	<u>626</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>ELECTRIC STRIKE</u>	<u>RS300</u>	<u>630</u>	<u>LOC</u>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC81A SS</u>	<u>689</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>KICK PLATE</u>	<u>8400 8" X 2" LDW B-CS</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>GASKETING</u>	<u>488SBK PSA</u>	<u>BK</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>CONTROLLER</u>	<u>CTE-MT11/MT15-485-B</u>	<u>B</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>POWER SUPPLY</u>	<u>PS902 BBK 900-8P [COORDINATE</u> <u>WITH ACCESS CONTROL PROVIDER]</u>	<u>LGR</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>DIAGRAM</u>	<u>ELEVATION</u>		<u>DLR</u>
<u>1</u>	<u>EA</u>	<u>DIAGRAM</u>	<u>POINT TO POINT</u>		<u>DLR</u>

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.



HARDWARE GROUP NO. 36B

For use on Door #(s):

ST-12                      ST-13                      ST-14                      ST-15                      ST-21A                      ST-32  
ST-33                      ST-34                      ST-35

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>1</u>	<u>SET</u>	<u>HINGES</u>	<u>5BB1 4.5 X 4.5 [PER 08 71 00]</u>	<u>646</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>POWER TRANSFER</u>	<u>EPT10</u>	<u>689</u>	<u>VON</u>
<u>1</u>	<u>EA</u>	<u>ELEC FIRE EXIT HARDWARE</u>	<u>FSA-F-25-R-L-LON 24 VDC</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>MORTISE CYLINDER</u>	<u>C987-7CCA</u>	<u>619</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SFIC CORE</u>	<u>C607</u>	<u>626</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>SC81A RW/PA</u>	<u>689</u>	<u>FAL</u>
<u>1</u>	<u>EA</u>	<u>KICK PLATE</u>	<u>8400 8" X 2" LDW B-CS</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>WALL STOP</u>	<u>WS406/407CVX</u>	<u>619</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>GASKETING</u>	<u>488SBK PSA</u>	<u>BK</u>	<u>ZER</u>
<u>1</u>	<u>EA</u>	<u>CONTROLLER</u>	<u>CTE-MT11/MT15-485-B</u>	<u>B</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>POWER SUPPLY</u>	<u>PS902 900-4R-FA [COORDINATE</u> <u>WITH ACCESS CONTROL]</u>	<u>LGR</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>DIAGRAM</u>	<u>ELEVATION</u>		<u>DLR</u>
<u>1</u>	<u>EA</u>	<u>DIAGRAM</u>	<u>POINT TO POINT</u>		<u>DLR</u>

OPERATION: DOOR NORMALLY CLOSED AND LOCKED FROM PULL SIDE. VALID CREDENTIAL  
MOMENTARILY UNLOCKS DOOR. UPON LOSS OF POWER OR ACTIVATION OF FIRE ALARM, DOOR  
UNLOCKS ALLOWING IMMEDIATE RE-ENTRY INTO CORRIDOR. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 36C- NOT USED

HARDWARE GROUP NO. 37- NOT USED



## HARDWARE GROUP NO. 38

For use on Door #(s):

ST-10      ~~ST-31A~~

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1 4.5 X 4.5 NRP [PER 08 71 00]	619	IVE
1	EA	FIRE EXIT HARDWARE	F-25-R-L-BE-LON	619	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

## HARDWARE GROUP NO. 39

For use on Door #(s):

102      102A      102B      110      111      ~~114~~  
124

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PIVOT SET	7212 SET	619	IVE
2	EA	INTERMEDIATE PIVOT	7212 INT	619	IVE
1	EA	DEADLOCK	MS1850S X 4089	628	ADA
2	EA	MORTISE CYLINDER	20-061 ICX TRIM CYLINDER	626	SCH
2	EA	SFIC CORE	C607	626	FAL
1	EA	PUSH/PULL BAR	9190HD-12"NS	619	IVE
1	EA	SURFACE CLOSER	SC71A SS	689	FAL
1	EA	MOUNTING PLATE	SC70A-18PA AS REQ'D	689	FAL
1	EA	CUSH SHOE SUPPORT	SC70A-30 AS REQ'D	689	FAL
1	EA	BLADE STOP SPACER	SC70A-61 AS REQ'D	689	FAL
1	SET	WEATHER STRIPPING	BY DOOR/FRAME MANUFACTURER		
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER



HARDWARE GROUP NO. 40

For use on Door #(s):

110A                      111A                      124A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	VIEWER	U698 X COVER	626	IVE
			[PROVIDE 2 @ ACCESSIBLE UNITS]		

HARDWARE GROUP NO. 41

For use on Door #(s):

~~100-1~~                      100A                      103A                      106                      109A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA	NOTE	ALL HARDWARE BY DOOR SUPPLIER		



# HARDWARE GROUP NO. 42

For use on Door #(s):

105

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5BB1HW 4.5 X 4.5 [PER 08 71 00]	619	IVE
1	EA	STOREROOM LOCK	W581BDC LON	619	FAL
1	EA	SFIC CORE	C607	626	FAL
1	EA	ELECTRIC STRIKE	CS750	630	LOC
1	EA	SURFACE CLOSER	SC81A SS	689	FAL
1	EA	KICK PLATE	8400 8" X 2" LDW B-CS	619	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	CONTROLLER	CTE-MT11/MT15-485-B	B	SCE
1	EA	DOOR CONTACT	BY ACCESS CONTROL PROVIDER	628	SCE
1	EA	MOTION SENSOR	BY ACCESS CONTROL PROVIDER	WHT	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: VALID CREDENTIAL RELEASES ELECTRIC STRIKE ALLOWING ENTRY. FREE EGRESS AT ALL TIMES.

DOOR CAN ALSO BE UNLOCKED VIA KEY.

# HARDWARE GROUP NO. MISC

For use on Door #(s):

MISC

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	MULTITECH READER	MT20W	BLK	SCE
25	EA	CONSTRUCTION FOBS	9651 (CT8X4248)	BLK	SCE
	EA	CREDENTIAL	9691T (3 PER UNIT + 20)	BLK	SCE

# HARDWARE GROUP NO. NOTFOUND- NOT USED



HARDWARE GROUP NO. U01

For use on Door #(s):

U101	U102	U103	U104	U105	U106
U107	U108	U109	U110	U111	U112
U113	U114	U115	U116	U117	U118
U119	U120	U121	U122	U123	U124
U201	U202	U203	U204	U206	U208
U210	U211	U212	U214	U217	U218
U219	U220	U221	U222	U223	U224
U225	U226	U227	U228	U229	U230
U231	U232	U233	U234	U235	U240
U241	U242	U243	U244	U245	U246
U248	U301	U302	U303	U304	U305
U306	U307	U308	U309	U310	U311
U312	U313	U314	U315	U316	U317
U318	U319	U320	U321	U322	U323
U324	U325	U326	U327	U328	U329
U330	U331	U332	U333	U334	U335
U336	U338	U340	U341	U342	U343
U344	U345	U346	U347	U348	U349
U401	U402	U403	U404	U405	U406
U407	U408	U409	U410	U411	U412
U413	U414	U415	U416	U417	U418
U419	U420	U421	U422	U423	U424
U425	U426	U427	U428	U429	U430
U431	U432	U433	U434	U435	U436
U437	U438	U439	U440	U441	U442
U443	U444	U445	U446	U447	U448
U449	U501	U502	U503	U504	U505
U506	U507	U508	U509	U510	U511
U512	U513	U514	U515	U516	U517
U518	U519	U520	U521	U522	U523
U524	U525	U526	U527	U528	U529
U530	U531	U532	U533	U534	U535
U536	U537	U538	U539	U540	U541
U542	U543	U544	U545	U546	U547
U548	U549				

Provide each OPENING with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2 EA	SPRING HINGE	3SP1 4 X 4	FBLK/ 6 31	IVE



QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	HINGE	5BB1 4 X 4	FBLK/6 31	IVE
1	EA	DEADBOLT	BE467F-B GRW/ADD	622	SCH
1	EA	PASSAGE SET	W101S LON	622	FAL
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	DOOR SWEEP	253A	A	ZER
1	EA	THRESHOLD	544A	A	ZER
1	EA	VIEWER	U700 [PROVIDE 2 @ ACCESSIBLE UNITS]	622	IVE

OPERATION: VALID CREDENTIAL ALLOWS DEADBOLT TO BE RETRACTED OR THROWN WITH THUMB TURN.

#### HARDWARE GROUP NO. U02

For use on Door #(s):

A                      B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
1	EA	PRIVACY LOCK	F40 LAT	622	SCH
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE
1	EA	COAT AND HAT HOOK	582 [PROVIDE ONLY @ BATHROOM]	622	IVE



HARDWARE GROUP NO. U03

For use on Door #(s):

C E F G H J

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
1	EA	PASSAGE SET	J10 SOL	622	SCH
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE

HARDWARE GROUP NO. U04

For use on Door #(s):

K M

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
2	EA	BALL CATCH	349	622	IVE
2	EA	SINGLE DUMMY TRIM	J170 SOL	622	SCH
2	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE

HARDWARE GROUP NO. U05

For use on Door #(s):

D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	1011 3.5 X 3.5	F622E	IVE
1	EA	PASSAGE SET	J10 SOL	622	SCH
1	EA	SGL CYL DEADBOLT	J060	622	SCH



HARDWARE GROUP NO. U06

For use on Door #(s):

P2	U201A	U202A	U203A	U204A	U248A
U301A	U302A	U303A	U304A	U348A	U349A
U401A	U402A	U403A	U404A	U448A	U449A
U501A	U502A	U503A	U504A	U548A	U549A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE	5PB1 4 X 4 [PER 08 71 00]	622	IVE
1	EA	DEADBOLT	BE467F-B GRW/ADD [@ GROUND FLOOR ONLY]	622	SCH
1	EA	PASSAGE SET	W101S LON	622	FAL
1	EA	ONE-SIDED DEADBOLT	B80 [@ ABOVE GROUND FLOOR]	622	SCH
1	EA	DOOR STOP	060 OR 70 AS REQ'D	FBLK/6 31	IVE
1	EA	DOOR SWEEP	153BK (UNLESS FURNISHED BY PRE-HUNG DOOR MFR)	BK	ZER
1	EA	GASKETING	370A	A	ZER
1	EA	THRESHOLD	655A-223	A	ZER

OPERATION: VALID CREDENTIAL ALLOWS DEADBOLT TO BE RETRACTED OR THROWN WITH THUMB TURN.

HARDWARE GROUP NO. U07

For use on Door #(s):

P

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA	ALL HARDWARE	BY SLIDING BALCONY DR MFG		B/O



DOOR#	HWSET#
002	32
<u>100A (100-1)</u>	41
<u>100B</u>	<u>07</u>
101	05
102	39
102A	39
102B	39
103	17
103A	41
104	08
104M	24
105	42
106	41
107	<u>36A (36)</u>
107A	<u>06 (07)</u>
108	<u>08 (35)</u>
108M	21
109	13
109A	41
110	39
110A	40
111	39
111A	40
112	30
113	18
114	<u>02 (39)</u>
114A	01
116	22
118	12
119	16
120	02
121	10
122	28
123	24
124	39
124A	40
<del>124B</del>	NOTFOUND
125M	24
<u>126 (126M)</u>	<u>11A (08)</u>
126M	24

DOOR#	HWSET#
127M	23
128M	23
129M	23
<u>130 (130M)</u>	23
<u>131 (131M)</u>	23
<u>132 (132M)</u>	23
<u>133 (133M)</u>	23
<del>135M</del>	<del>08</del>
<u>136 (136M)</u>	14
137M	15
<u>138 (138M)</u>	09
<u>139 (139M)</u>	27
<u>140 (140M)</u>	03
141M	25
142M	24
143M	24
144M	30
145M	20
150	08
151	25
205	33
207	04
209	33
210	33
211	33
212	<u>04 (19)</u>
213	11
214	26
215	12
216	24
217	24
219	<u>04A (04)</u>
220	24
221	26
222	11
223	12
224	<u>24A (28)</u>
225	12
226	26
227	14

DOOR#	HWSET#
228	24
229	24
230	31
231	23
232	23
233	23
234	23
235	23
236	23
237	23
238	23
239	23
240	23
241	23
242	23
243	23
244	23
245	15
246	24
247	<u>23 (24)</u>
249	29
250	<u>31 (24)</u>
305	33
308	33
312	11
313	24
314	24
315	14
316	24
317	24
318	31
319	15
320	24
405	33
408	33
411	11
412	24
413	14
414	24
415	24



DOOR#	HWSET#
416	31
417	15
418	24
505	33
508	33
511	11
512	24
513	14
514	24
515	24
516	31
517	15
518	24
A	U02
B	U02
C	U03
D	U05
E	U03
F	U03
G	U03
H	U03
J	U03
K	U04
M	U04
MISC	MISC
P	U07
P2	U06
ST-10	<u>38 (37)</u>
ST-11	34
ST-11A	<u>35 (37)</u>
ST-12	<u>36B (36)</u>
ST-13	<u>36B (36)</u>
ST-14	<u>36B (36)</u>
ST-15	<u>36B (36)</u>
<u>ST-20</u>	<u>08</u>
ST-21	34
<u>ST-21A</u>	<u>36B</u>
ST-21M	35
ST-22	36
ST-23	36

DOOR#	HWSET#
ST-24	36
ST-25	36
ST-30	35
ST-31	36
<del>ST-31A</del>	<del>38</del>
ST-31M	36
ST-32	<u>36B (36)</u>
ST-33	<u>36B (36)</u>
ST-34	<u>36B (36)</u>
ST-35	<u>36B (36)</u>
ST-36	<u>32A</u> <u>(NOTFOUND)</u>
ST-41	36
ST-41A	06
ST-41M	36
ST-42	36
ST-43	36
ST-44	36
ST-45	36
U101	U01
U102	U01
U103	U01
U104	U01
U105	U01
U106	U01
U107	U01
U108	U01
U109	U01
U110	U01
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U112	U01
U113	U01
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U116	U01
U117	U01
U118	U01
U119	U01
U120	U01
U121	U01

DOOR#	HWSET#
U122	U01
U123	U01
U124	U01
U201	U01
U201A	U06
U202	U01
U202A	U06
U203	U01
U203A	U06
U204	U01
U204A	U06
U206	U01
U208	U01
U210	U01
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U233	U01
U234	U01
U235	U01
U240	U01
U241	U01
U242	U01
U243	U01



DOOR#	HWSET#
U244	U01
U245	U01
U246	U01
U248	U01
U248A	U06
U301	U01
U301A	U06
U302	U01
U302A	U06
U303	U01
U303A	U06
U304	U01
U304A	U06
U305	U01
U306	U01
U307	U01
U308	U01
U309	U01
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U329	U01
U330	U01
U331	U01

DOOR#	HWSET#
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U333	U01
U334	U01
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U341	U01
U342	U01
U343	U01
U344	U01
U345	U01
U346	U01
U347	U01
U348	U01
U348A	U06
U349	U01
U349A	U06
U401	U01
U401A	U06
U402	U01
U402A	U06
U403	U01
U403A	U06
U404	U01
U404A	U06
U405	U01
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U417	U01
U418	U01

DOOR#	HWSET#
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U427	U01
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U444	U01
U445	U01
U446	U01
U447	U01
U448	U01
U448A	U06
U449	U01
U449A	U06
U501	U01
U501A	U06
U502	U01
U502A	U06
U503	U01
U503A	U06
U504	U01



DOOR#	HWSET#
U504A	U06
U505	U01
U506	U01
U507	U01
U508	U01
U509	U01
U510	U01
U511	U01
U512	U01
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U539	U01
U540	U01
U541	U01
U542	U01
U543	U01

DOOR#	HWSET#
U544	U01
U545	U01
U546	U01
U547	U01
U548	U01
U548A	U06
U549	U01
U549A	U06





## **SUMMARY**

Section includes administrative and procedural requirements for alternates.

## **DEFINITIONS**

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
  - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

## **PROCEDURES**

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.





**SCHEDULE OF ALTERNATES (BID FORM)**

**1.1 GENERAL INFORMATION**

- A. Bidder: \_\_\_\_\_.
- B. Contact Name: \_\_\_\_\_.
- C. Contact Email: \_\_\_\_\_.
- D. Contact Phone: \_\_\_\_\_.
- E. Project Name: LINK

**1.2 ALTERNATES AND BID VALUES**

**Alternate #01 – Performance and Payment Bond**

**Base Bid:** Bond is not included.

**Alternate Bid:** Indicate the value or percentage to be added to your bid if a 100% payment and performance bond is required.

\$ \_\_\_\_\_ % ADD | ~~DEDUCT~~

**Alternate #02 – Provide alternate framed screen wall infill (Reference Floor Plan Note #12)**

**Base Bid:** Include framed screen wall w/polycarb panel infill @ 8'-0" Height.

**Alternate Bid:** Include framed screen wall w/perforated prefinished aluminum panel infill.

\$ \_\_\_\_\_ ADD | ~~DEDUCT~~ (circle one)

**Alternate #03 – Landscape Maintenance – 12-month maintenance period.**

**Base Bid:** Do not include the specified 12-month maintenance period.

**Alternate Bid:** Include the specified 12-month maintenance period.

\$ \_\_\_\_\_ ADD | ~~DEDUCT~~



**Alternate #04 – Temporary slope stabilization.**

**Base Bid:** Do not include the slope stabilization for excavation

**Alternate Bid:** Earthwork contractor to include stabilization of slopes after excavation is completed. Stabilization shall be such that it can remain in place OR alternate price shall include removal prior to backfill.

\$ \_\_\_\_\_ ADD | ~~DEDUCT~~

**Alternate #05 – Cultural Trail crosswalk asphalt and striping**

**Base Bid:** Cross walk remains as is. No work

**Alternate Bid:** Asphalt bidders to provide milling, new asphalt surface, and restriping the cultural trail crosswalk at the north corner as it crosses Leonard St. Refer to the Cultural Trail referenced documents posted with bid documents for restriping requirements.

\$ \_\_\_\_\_ ADD | ~~DEDUCT~~

**Alternate #06 – Sinks L-1 & S-1**

**Base Bid:** Plumber provides the sinks and makes final connections. Granite Countertops Contractor installs the sinks.

**Alternate Bid:** Granite Countertops Contractor to furnish and install sinks. Plumber to make final connections ONLY.

\$ \_\_\_\_\_ ADD | ~~DEDUCT~~ (circle one)

**Alternate #07 – Elevator Construction Usage**

**Base Bid:** Construction usage is not included.

**Alternate Bid:** Elevator contractor to provide price to obtain early inspection for construction usage. Shiel Sexton will provide operator. *Price shall include warranty extension, additional adjustments, maintenance, and other work necessary to allow for construction use and to provide the Owner of the building a full warranty from substantial completion. Anticipate one elevator for six months.*

\$ \_\_\_\_\_ ADD | ~~DEDUCT~~

**Alternate #08 – Voluntary Deduct(s)**

**Base Bid:** Bid per the documents and specifications

**Alternate Bid:** Voluntary deduct alternates are highly encouraged. Please provide these alternates on your own form and submit with bid.





**Alternate #09 – Exterior building backfill**

**Base Bid:**

1. Contract 03 – Sitework contractor to provide backfill outside basement walls
2. Contract 07 – CIP Concrete – Building contractor provides backfill inside basement walls + backfill to place detention base.

**Alternate Bid:**

1. Contract 07 – CIP Concrete – Building contractor to provide all building backfill to subgrade.
2. Contract 03 – Sitework contractor excludes all building backfill.

\$ \_\_\_\_\_ ADD | DEDUCT (circle one)

**Alternate #10 – Door Hardware Power Supplies**

**Base Bid:** Provide power supplies as indicated in the drawings and specifications.

**Alternate Bid:** Provide alternate deduct to eliminate all power supplies.

\$ \_\_\_\_\_ ~~ADD~~ | DEDUCT

**END ALTERNATES**