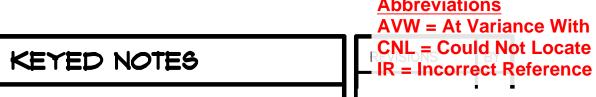
FLOOR PLAN

8,030 SQ. FT

**Abbreviations** VW = At Variance With CNL = Could Not Locate IR = Incorrect Reference . .



## Missing EF-1A, 1B, AHU-2, AHU-3 HYAC EQUIPMENT DISCONNECT AND FEEDER SCHEDULE BUS FUSED DESCRIPTION WIRE AND CONDUIT SIZES VOLT | PH | MCA | MOCP DISCONNECT CONDENSING UNIT 2 \*6 AND 1 \*10 E.G. IN 1" 60/2/50/3R 50 CU-1 208 AIR HANDLING AHU-1 2 \*4 AND 1 \*10 E.G. IN 1" 60/2/60 208 60 2 #10 AND 1 #10 E.G. IN 1/2" EF-2 EXHAUST FAN <sup>3</sup> M2 indicates EF-2 is controlled via light switch INTERLOCK WITH THERMOSTAT

HP WP RATED

30/2/NF/3R

120

277

20

ELECTRICAL POWER PLAN

9CALE: 1/8" = 1'-0"

WATER HEATER ELECTRICAL HYAC EQUIPMENT NOTES:

ELECTRICAL

EF-3

EWH

SAMPLE

STUB-OUT CONDUIT ABOVE

AND PHONE TECH, ---

CONDUIT

CEILING, PROVIDE AN INSULATED

PROVIDE PULL WIRE FOR DATA

THROAT CONNECTOR AT END OF

HARD CEÌLÌNG —

DROP CEILING ,

I" EMT EMPTY CONDUIT-

4x4x2-1/8" DEEP JUNCTION BOX VOR V

HEIGHT 18" ON CENTER -

VERIFY HEIGHT FOR TV

OUTLET DETAIL

NOT TO SCALE

WALL ----

TYPICAL COMMUNICATION

FL00R ---

4x4x2-1/8" DEEP JUNCTION BOX TV WITH PLASTER RING, MOUNTING

1. CONTRACTOR TO FIELD VERIFY EQUIPMENT REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTOR AND OWNER.

INTERLOCK WITH ON/OFF SWITCH DISCONNECT

2. PROVIDE FUSE PER EQUIPMENT NAME PLATE.

CIRCULATION FAN | 2 #12 AND 1 #12 E.G. IN 1/2"

2 #12 AND 1 #12 E.G. IN 1/2"

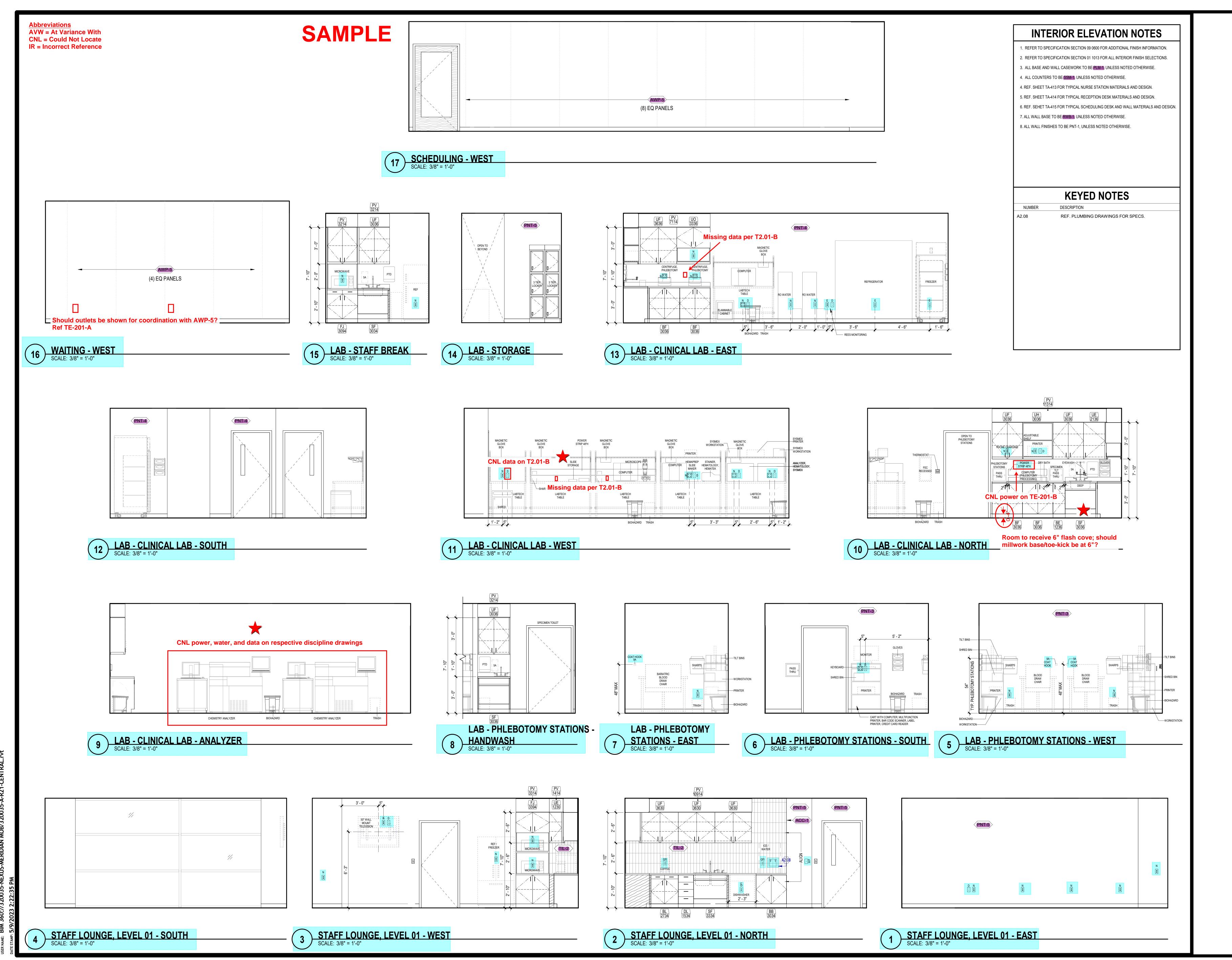
		TO SO-BRITE TO SO-BR		(1)
	CT CABINET/ METER		Future dryer per A1a. Keynote 51 indicates to provide power	Missing TV per A1a
	CNL panel schedule		CWB-10 TIE 12 26	CWB-IS CWB-I5 CWB-I5
Missing	power for EWH-1 (Ref P2)	CWB-IE TIE TIE TIE TIE TIE TIE TIE TIE TIE T	Circuits missing two	Missing TV per A1a  Missing TV per A1a
Wilssing		CAR WASH TUNNEL 101	Circuits missing, typ hand dryer (Ref A1b	Ia (Keynote 45)  Missing power to sign  per A1a (Keynote 46)
				per A1a (Keynote 46)
	CWB-30	CWB-30	CONDITIONED STORAGE  WE STORAG	TIE J 15 CWB-22/24 CWB-37 CWB-37 (1
	REFER TO SHEEL THRUESA, ESTAND EILI THRUESA, ESTAND EILI THRUESA AND EILI	I THRU E9.7 J E11.13 ILECTRICAL	electric v	vater cooler  TO SO-BRITE  CONTROL  10  10  10  10  10  10  10  10  10  1

## NOTES: PROVIDE A 30"X8'X3/4" THICK PHONE BOARD FOR

- COMMUNICATION SYSTEM REQUIREMENTS. PAINT WITH 2 COATS OF FIRE RETARDANT PAINT, EXTEND #4 TO BUILDING GROUND SYSTEM. COORDINATE EXACT LOCATION WITH
  - EXTEND (2)- 3" SCHEDULE 40 PVC TELEPHONE AND CABLE TY CONDUITS WITH NYLON PULL CORDS FOR USE BY TELEPHONE AND CABLE TY SERVICE PROVIDERS, BURY THE CONDUITS AT 30" BELOW FINISHED GRADE TO THE TOP OF CONDUITS, STUB-OUT THE TELEPHONE CONDUITS AT THE PROPERTY LINE AS DIRECTED BY SERVICE PROVIDERS.
  - PROVIDE A WP GFI GENERAL RECEPTACLE IN EQUIPMENT ROOM. COORDINATE FINAL LOCATION WITH OWNER...
  - COORDINATE FINAL PANELS AND EQUIPMENT LOCATIONS WITH CAR WASHER EQUIPMENT INSTALLER, G.C. AND OWNER. PROVIDE EQUIPMENT CLEARANCE PER NEC.
  - BUILDING MAIN SERVICE PANEL. REFER TO RISER DIAGRAM ON SHEET E-4 FOR REQUIREMENTS, COORDINATE EXACT LOCATION WITH OWNER.
  - PROVIDE A DISCONNECT AND FINAL CONNECTION TO HYAC CONDENSING OR AIR HANDLING UNIT. REFER TO HVAC FEEDER AND DISCONNECT SCHEDULE ON THIS SHEET FOR REQUIREMENTS, COORDINATE EXACT LOCATION WITH MECHANICAL CONTACTOR.
  - PROVIDE A DISCONNECT AND FINAL CONNECTION TO HYAC EXHAUST FAN. INTERLOCK EXHAUST FAN WITH THERMOSTAT. REFER TO HYAC FEEDER AND DISCONNECT SCHEDULE ON THIS SHEET FOR REQUIREMENTS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTACTOR.
  - LOCATE A MICROWAVE OUTLET IN UPPER CABINET MILLWORK AS DIRECTED BY ARCHITECT AS REQUIRED FOR THE BUILT-IN MICROWAVE, COORDINATE WITH G.C. AND MILLWORK INSTALLER.
  - PROVIDE A RECEPTACLE FOR UNDER COUNTER REFRIGERATOR, COORDINATE WITH G.C. AND MILLWORK INSTALLER.
  - Ø. PROVIDE A RECEPTACLE AND DATA OUTLET FOR A MONITOR, COORDINATE WITH G.C. AND OWNER.
  - PROVIDE FINAL CONNECTION TO THE ELECTRIC WATER COOLER. PROVIDE A RECEPTACLE CORD AND CAP AS
  - . PROVIDE A DISCONNECT AND FINAL CONNECTION TO THE ELECTRIC WATER HEATER, REFER TO FEEDER AND DISCONNECT SCHEDULE ON THIS SHEET FOR REQUIREMENTS. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
  - PROVIDE A DISCONNECT 30/3/NF/3R AND FINAL CONNECTION TO TOP WASHER EXTRACTOR, COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER AND OWNER. PROVIDE DISCONNECT CLEARANCE PER NEC..
  - PROVIDE A DISCONNECT AND FINAL CONNECTION TO CIRCULATION FAN. FAN TO BE CONTROLLED MANUALLY WITH ON/OFF SWITCH, COORDINATE EXACT SWITCH AND FAN LOCATION AND REQUIREMENTS WITH OWNER AND MECHANICAL CONTRACTOR AND DRAWINGS.
  - DEPROVIDE FINAL CONNECTION TO HAND DRYER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH
  - 16. PROVIDE A RECEPTACLE FOR CHEMICAL DISPENSER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH

## GENERAL NOTES

- COORDINATE EXACT DEVICES AND EQUIPMENT LOCATIONS WITH G.C AND OWNER.
- REFER TO SHOP DRAWINGS FOR EQUIPMENT LOCATION AND ADDÍTIONAL REQUIREMENTS.



FILE PATH

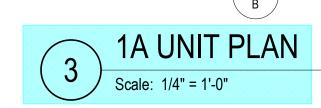
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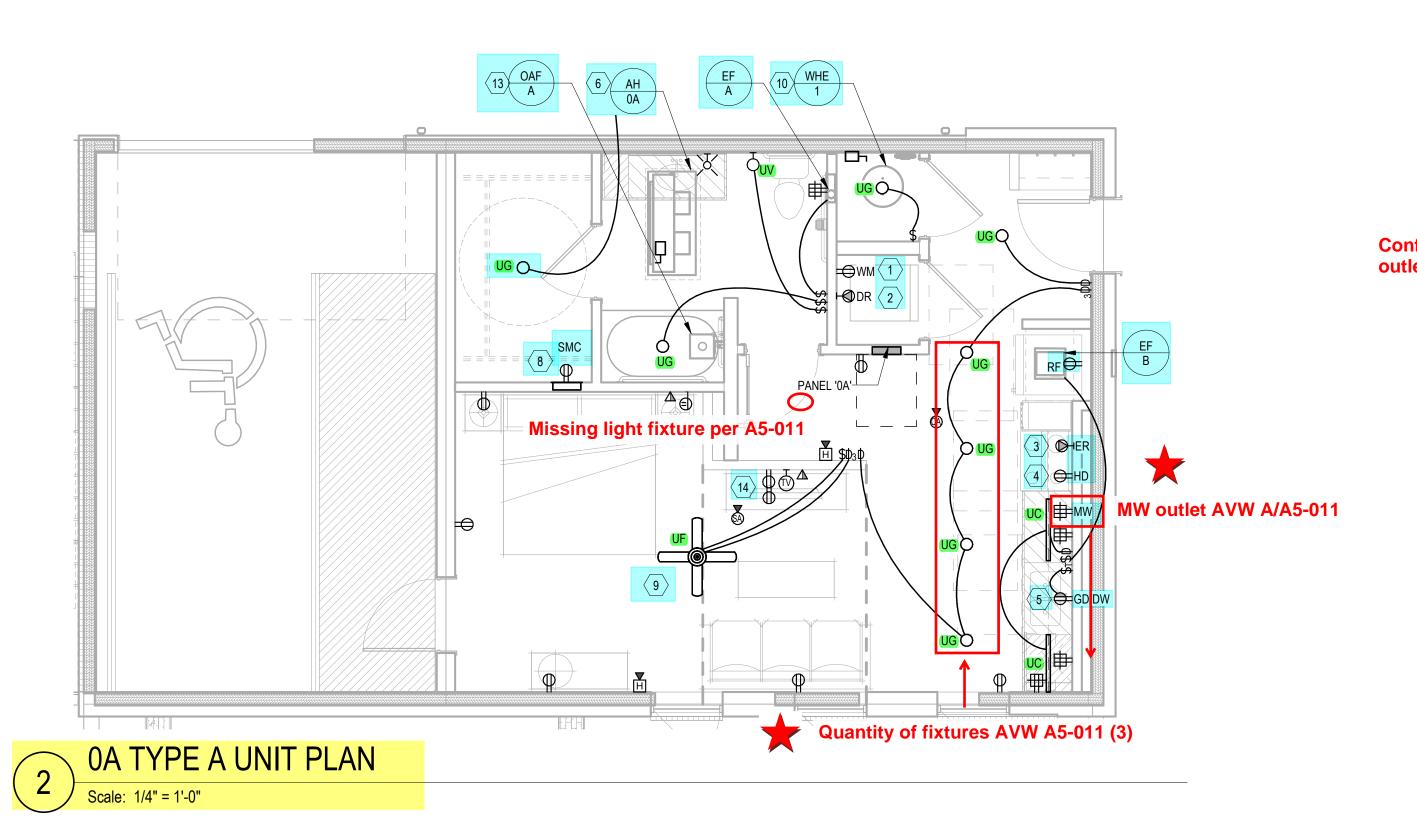
Abbreviations

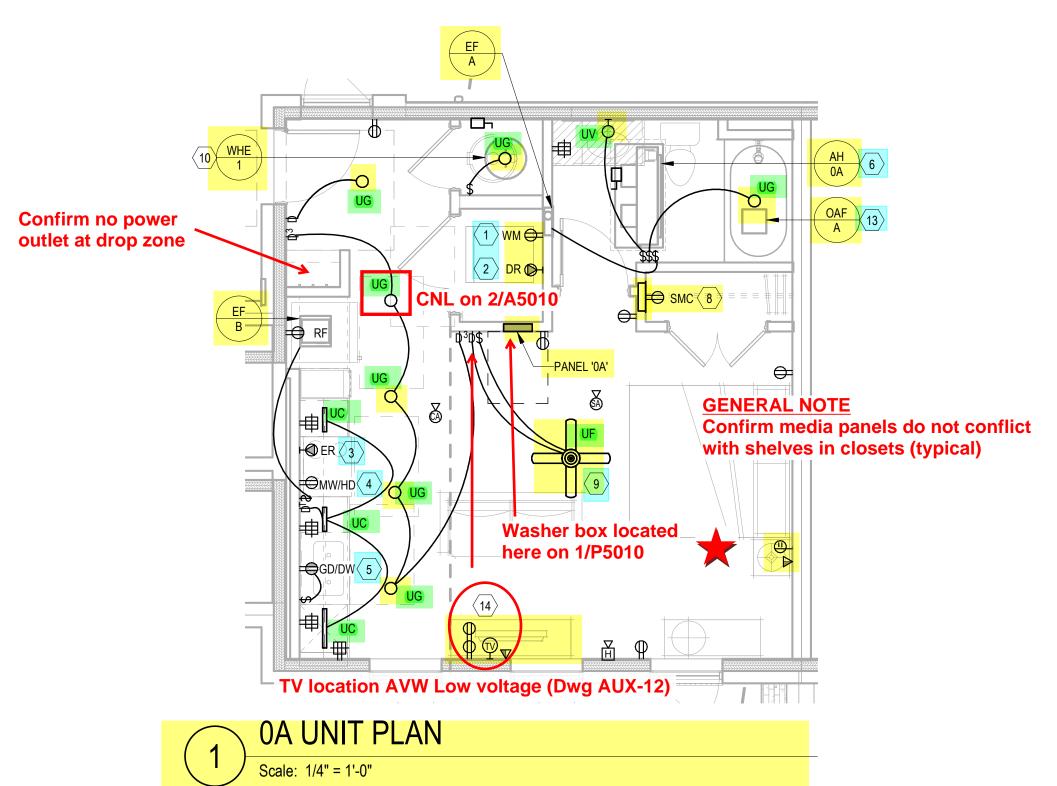
AVW = At Variance With

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## **GENERAL NOTES**

1. LOCATION OF SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE, AND SHALL BE NO LESS THAN 10' FROM A FIXED COOKING APPLIANCE. WHERE WALL MOUNTED, TOP OF DEVICE SHALL BE NO GREATER THAN 12" FROM CEILING. COORDINATE LOCATION WITH SOFFITS AND CROWN MOLDING (WHERE PRESENT).

AVW = At Variance With

CNL = Could Not Locate IR = Incorrect Reference

2. SMOKE AND CO ALARMS SHALL BE WIRED TO AN UNSWITCHED LIGHTING AND RECEPTACLE CIRCUIT. ALARM DEVICES WITHIN A DWELLING UNIT SHALL BE PROVIDED WITH AUXILIARY CONTACTS AND WIRED SO THAT UPON THE ACTIVATION OF ANY ALARM IN THE DWELLING UNIT, ALL SMOKE AND CO ALARMS WITHIN THE DWELLING SHALL SIGNAL AN ALARM.

- 3. REFER TO "ELECTRICAL DEVICES-DWELLING UNIT KITCHEN" DETAIL INCLUDED IN THESE DRAWINGS FOR DIMENSIONAL INFORMATION OF DEVICES AT CORNERS (WHERE APPLICABLE).
- 4. ALL 120V, 15-AND 20-AMP RECEPTACLES IN DWELLING UNITS SHALL BE LISTED TAMPER-RESISTANT
- TYPE.

  5. OUTLET BOXES INSTALLED FOR CEILING FANS SHALL BE UL-LISTED "FOR USE WITH CEILING FANS".
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR APPLICABLE CIRCUIT REQUIREMENTS.
- 7. PRIOR TO ROUGH-IN, CONTRACTOR SHALL:
- COORDINATE EXACT REQUIREMENTS OF ALL EQUIPMENT AND APPLIANCES FURNISHED BY OTHERS.
   COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL/INTERIORS DRAWINGS.
- 8. SEVERAL DWELLING UNIT CIRCUITS AND RECEPTACLES ARE REQUIRED TO BE AFCI-AND/OR
- 9. CONTRACTOR SHALL ENSURE ALL WALL MOUNTED RECEPTACLES LOCATED AT EACH WINDOW ARE COORDINATED FOR EACH UNIT THROUGHOUT THE PROJECT PRIOR TO ROUGH-IN AND WITH THE ARCHITECT. THIS IS TO ENSURE NO UNIT TYPE ONE OFF CONDITIONS WHERE ONE OF THE UNITS WERE UPGRADED TO GET A FULL HEIGHT WINDOW THAT WOULD TRIGGER A FLOOR BOX OUTLET TO MAINTAIN REQUIRED NEC 210.52 SPACING. NOTIFY THE ENGINEER IF ANY DESCREPANCIES BEFORE ROUGH-IN, CONCRETE POURS, FLOORING INSTALLATIONS, ETC.

GFCI-PROTECTED. REFER TO DRAWINGS AND LOAD CENTER SCHEDULES FOR MORE INFORMATION.

- 10. CONTRACTOR SHALL COORDINATE CLOSELY WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE PROPER OUTLET PLACEMENT ARE BEING INSTALLED FOR LAUNDRY CONNECTIONS WITHOUT CONFLICTS OF OTHER TRADES AND ALSO BEING INSTALLED PER MANUFACTURER BEING FURNISHED.
- 11. FOR DWELLING UNITS DESIGNATED TO HAVE ACCESSIBLE MOBILITY FEATURES (5% OF DWELLINGS):

  LOAD CENTER SHALL BE INSTALLED SO THAT NO TRIM LATCH OR BREAKER IS GREATER
  THAN 48" AFF.

  A TOGGLE SWITCH SHALL BE FIELD-INSTALLED AND WIRED FOR THE RANGE HOOD/LIGHT
- 12. FOR DWELLING UNITS DESIGNATED TO HAVE COMMUNICATION FEATURES (2% OF DWELLINGS) FOR SENSORY-IMPAIRED (HEARING OR VISION):

  FURNISH AND INSTALL AN EDWARDS (OR EQUAL) "DOORBELL" SYSTEM (CAT# 7005-G5), CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE.

  LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR.
  - CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE.

    LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR,
    TRANSFORMER CONCEALED WITHIN CLOTHES CLOSET, AND HORN/STROBE WITHIN LIVING
    ROOM.

    EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL

CIRCUIT. SWITCH SHALL BE MOUNTED ABOVE COUNTER WITHIN REQUIRED REACH RANGES.

DEVICE.

A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.

REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.

	ELECTRICAL UNIT ABBREVIATIONS
1	NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
2	NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
3	NEMA 14-50R FOR RANGE / OVEN. CIRCUIT SHALL BE 3#6, #10G.
4	NEMA 5-20R FOR MICROWAVE / EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETRY ABOVE.
5	NEMA 5-20R FOR SPLIT-WIRED DUPLEX, WITHIN BASE CABINET, FOR SINK DISPOSAL / DISWASHER CONNECTIONS. RECEPTACLE SHALL BE ACCESSIBLE AND LOCATED IN CABINETRY ADJACTENT TO DISHWASHER. DISHWASHER CORD LENGTH SHALL NOT EXCEED 6'-6".
6	DISCONNECT SWITCH FOR AIR-HANDLING UNIT. REFER TO 'DWELLING MECHANICAL SCHEDULE' FOR MORE INFORMATION.
7	INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.
8	CONTRACTOR TO FURNISH AND INSTALL A STRUCTURED MEDIA CABINET (SMC) IN EACH DWELLING UNIT. COORDINATE EXACT LOCATION AND TYPE WITH TELECOM CONSULTANT.
9	PROVIDE A CEILING FAN RATED JUNCTION BOX.
10	DISCONNECT SWITCH FOR ELECTRIC WATER HEATER REFER TO 'DWELLING MECHANICAL SCHEDULE' FOR MORE INFORMATION.
11	NEMA 5-20R FOR MICROWAVE IN AN ANSI/HC UNIT(S). CIRCUIT SHALL BE 2#12, #12G
12	NEMA 5-20R FOR HOOD. CIRCUIT SHALL BE 2#12,#12G. LOCATE RECEPTACLE IN CABINETRY ABOVE. REFER TO MECHANICAL DETAILS (E.G. 'WALL TYPE RANGE HOOD DETAIL').
13	PROVIDE JUNCTION BOX FOR POWER TO OUTSIDE AIR FAN (OAF), SPEED CONTROLLER AND RELAY PROVIDED BY DIVISION 23. OAF SHALL BE PROVIDED WITH MOTOR RATED DISCONNECT SWITCH AS PART OF THE MECHANICAL SUBMITTAL. CONTRACTOR SHALL COORDINATE AND INSTALL DISCONNECT TO MEET NEC WORKING CLEARANCE REQUIREMENTS. CONNECT TO THE NEAREST LIGHTING & RECEPTACLE CIRCUIT. COORDINATE EXACT REQUIEMENTS WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
14	CONTRACTOR SHALL REFER TO SHEET E0-03, DETAIL 7 FOR ADDITIONAL INFORMATION REGARDING TV OUTLETS (I.E. HIGH AND LOW), BLOCKING, ETC. CONFIRM WITH OWNERSHIP REGARDING TV DETAIL REFERENCED IS LATEST PER LATEST OWNERSHIP STANDARDS.

ELECTRICAL UNITS ABBREVIATIONS		
DR	ELECTRIC DRYER	
DW	DISHWASHER	
GD	GARBAGE DISPOSAL	
GD/DW	GARBAGE DISPOSAL / DISHWASHER	
ER	ELECTRIC RANGE	
HD	HOOD	
MW	MICROWAVE	
MW/HD	MICROWAVE / HOOD	
PDS	PNEUMATIC DISPOSAL SWITCH	
RF	REFRIGERATOR	
SMC	STRUCTURED MEDIA CABINET	
WM	WASHING MACHINE	

Md

