

1 LIGHTING PLAN
1/4" = 1'-0"

ELECTRICAL GENERAL NOTES:

A. REFER TO ARCHITECTURAL SECTIONS FOR DENTAL EQUIPMENT ELECTRICAL ROUGH-IN LOCATIONS. VERIFY DENTAL EQUIPMENT FINAL LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

ELECTRICAL LIGHTING KEYED NOTES:

- 1 PROVIDE POWER TO WEATHER PROOF JUNCTION BOX FOR TENANT SIGN. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2 ALL EXTERIOR SIGNAGE SHALL BE CONTROLLED WITH EXTERIOR MOUNTED PHOTOCELL. PHOTOCELL SHALL NOT BE MOUNTED 10' ABOVE GROUND. E.C. TO VERIFY LOCATION IN FIELD PRIOR TO ROUGH-IN.
- 3 INTERCONNECT EXHAUST FAN WITH THERMOSTAT. COORDINATE WITH MECHANICAL CONTRACTOR.
- 4 E.C. TO PROVIDE 120V POWER TO J.BOX FOR WALL MOUNTED (60" AFF) DENTAL LIGHT. REFER TO ARCHITECTURAL SECTIONS AND COORDINATE WITH ARCHITECT FOR EXACT LOCATION. TYPICAL OF ALL OP ROOMS.
- 5 CONNECT ALL EMERGENCY EGRESS AND NIGHT LIGHTING FIXTURES TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND LOCAL CODES.

LIGHTING CONTROLS:

AREA	CONTROLS
WAITING AREA, CORRIDOR, STERILAB, BREAK ROOM.	LIGHTING IN THESE AREAS SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. FIXTURES DESIGNATED '--E' (EMERGENCY) TO REMAIN ENERGIZED AT ALL TIMES.
OP'S, RESTROOM, PANO, OFFICE, CONSULT, MECH, IT.	WALL MOUNTED OCCUPANCY SENSOR WITH MANUAL SWITCH FOR MANUAL/AUTOMATIC ON/OFF OF FIXTURES WITH FIXTURES DESIGNATED '--E' (EMERGENCY) TO REMAIN ENERGIZED AT ALL TIMES.
WAITING, OP'S, CORRIDOR, STERILAB, BREAK ROOM, CHECK IN/OUT.	SWITCH FOR MANUAL ON/OFF OF FIXTURES. FIXTURES DESIGNATED '--E' (EMERGENCY) TO REMAIN ENERGIZED AT ALL TIMES.

LIGHTING CONTROLS NOTES:

1. AUTOMATIC LIGHTING CONTROLS: OCCUPANCY SENSOR SHALL BE CAPABLE OF TURNING OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANT LEAVING THE SPACE AND SHALL BE MANUAL ON.
2. ALL ILLUMINATED EXIT SIGN TO HAVE A MAX WATTAGE OF 5 PER SIDE.
3. ALL EMERGENCY LIGHT SHALL OPERATE IN EMERGENCY CONDITION.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOGUE#	MOUNTING	COLOUR TEMP	LUMEN	VOLTAGE	WATTAGE (W)	REMARK
A1	LITHONIA	EAPNL 2X4 3000LM 80CRI 40K MIN1 ZT MVOLT(E10WCP)	RECESSED	4000K	3000	120/277	27.4	
A1E	LITHONIA	EAPNL 2X4 3000LM 80CRI 40K MIN1 ZT MVOLT(E10WCP)	RECESSED	4000K	3000	120/277	27.4	EMERGENCY FIXTURE
B1	LITHONIA	EAPNL 2X2 2000LM 80CRI 40K MIN1 ZT MVOLT	RECESSED	4000K	2000	120/277	19.6	
C1	LITHONIA	CDS 196 MVOLT DM 40K 80RI WH	SURFACE	4000K	9614	120/277	73	
D1	LITHONIA	LDN6 40/20 L06 AR LS MVOLT EZ1(EL)	RECESSED	4000K	2000	120/277	22.5	
D1E	LITHONIA	LDN6 40/20 L06 AR LS MVOLT EZ1(EL)	RECESSED	4000K	2000	120/277	22.5	EMERGENCY FIXTURE
D2	LITHONIA	LDN6 40/15 L06 AR LS MVOLT EZ1(EL)	RECESSED	4000K	1500	120/277	10.4	
D2E	LITHONIA	LDN6 40/15 L06 AR LS MVOLT EZ1(EL)	RECESSED	4000K	1500	120/277	10.4	EMERGENCY FIXTURE
P1	OWNER PROVIDED/CONTRACTOR INSTALLED		PENDANT			120	15	
P2	OWNER PROVIDED/CONTRACTOR INSTALLED		PENDANT			120	40	
V1	LITHONIA	FMVCSL 24IN MVOLT 30K 90 CRI XX	WALL	3000K		120/278	18	
EM	EMERGENCY SIGN WITH EXIT LIGHT			K	LM	120/277		EMERGENCY FIXTURE

PROVIDE EMERGENCY BATTERY W/TEST FOR ALL "E" SUFFIXED FIXTURES

LIGHT FIXTURE SCHEDULE NOTES:

1. COORDINATE FINAL FIXTURE MAKE AND MODEL AND DIMMING WITH ARCHITECT.



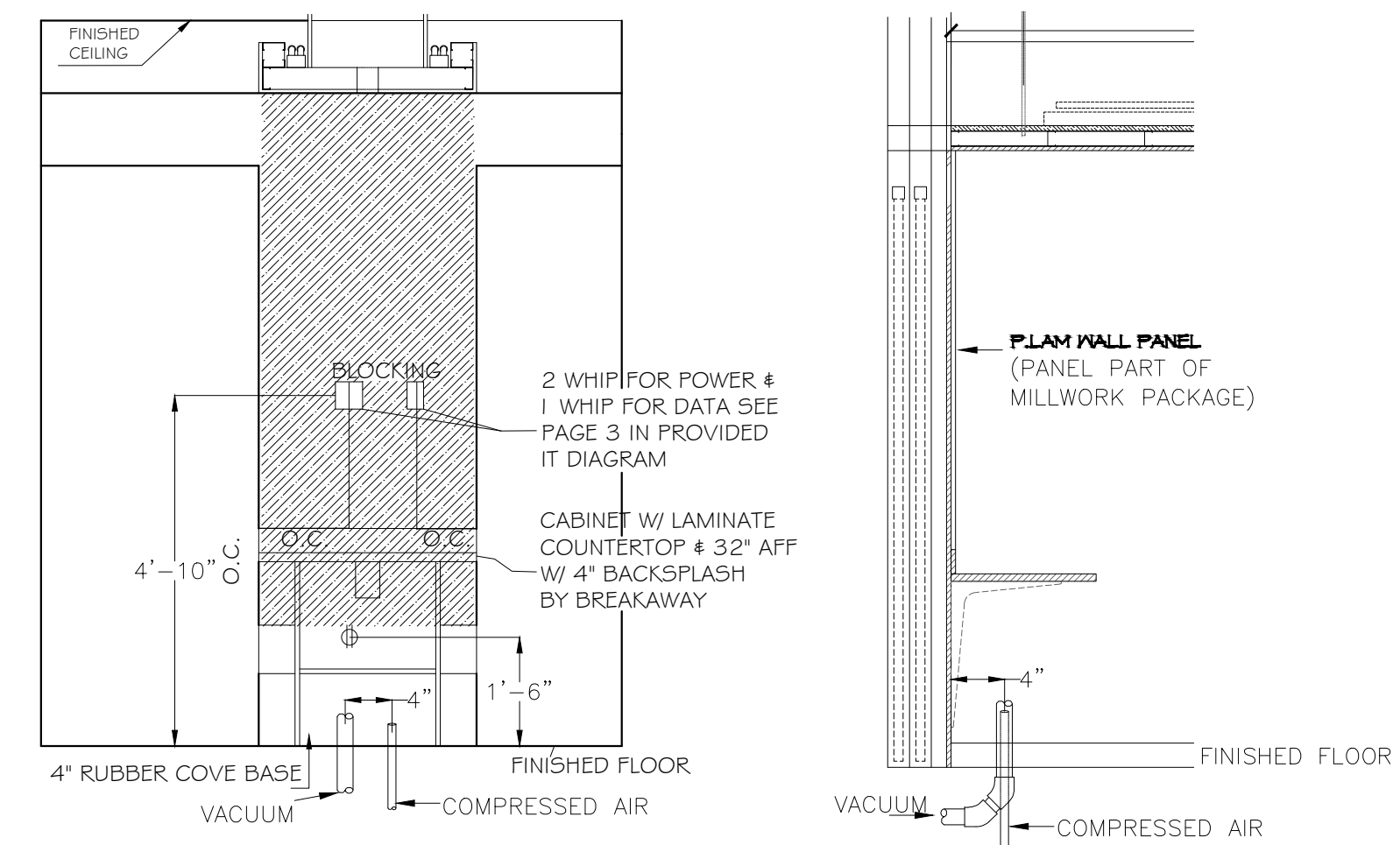
1 POWER PLAN
1/4" = 1'-0"

ELECTRICAL GENERAL NOTES:

- A. REFER TO ARCHITECTURAL SECTIONS FOR DENTAL EQUIPMENT ELECTRICAL ROUGH-IN LOCATIONS. VERIFY DENTAL EQUIPMENT FINAL LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
- B. ALL MECHANICAL EQUIPMENTS SHALL BE EXISTING TO REMAIN. E.C. SHALL COORDINATE WITH OWNER/MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POWER REQUIREMENTS ON FIELD AND PROVIDE ELECTRICAL POWER TO ALL THE EXISTING MECHANICAL UNITS FROM THE NEW PANEL "B".
- C. ANY TELCO/DATA LINES MUST BE IN CONDUIT TO DEMARC, NO FREE WIRE RUNS.
- D. ALL OUTLETS AT THE EXTERIOR WALL ARE TO BE SURFACE MOUNTED. E.C. SHALL COORDINATE WITH THE ARCHITECT/OWNER FOR FINAL LOCATION PRIOR TO ROUGH-IN.

ELECTRICAL POWER KEYED NOTES:

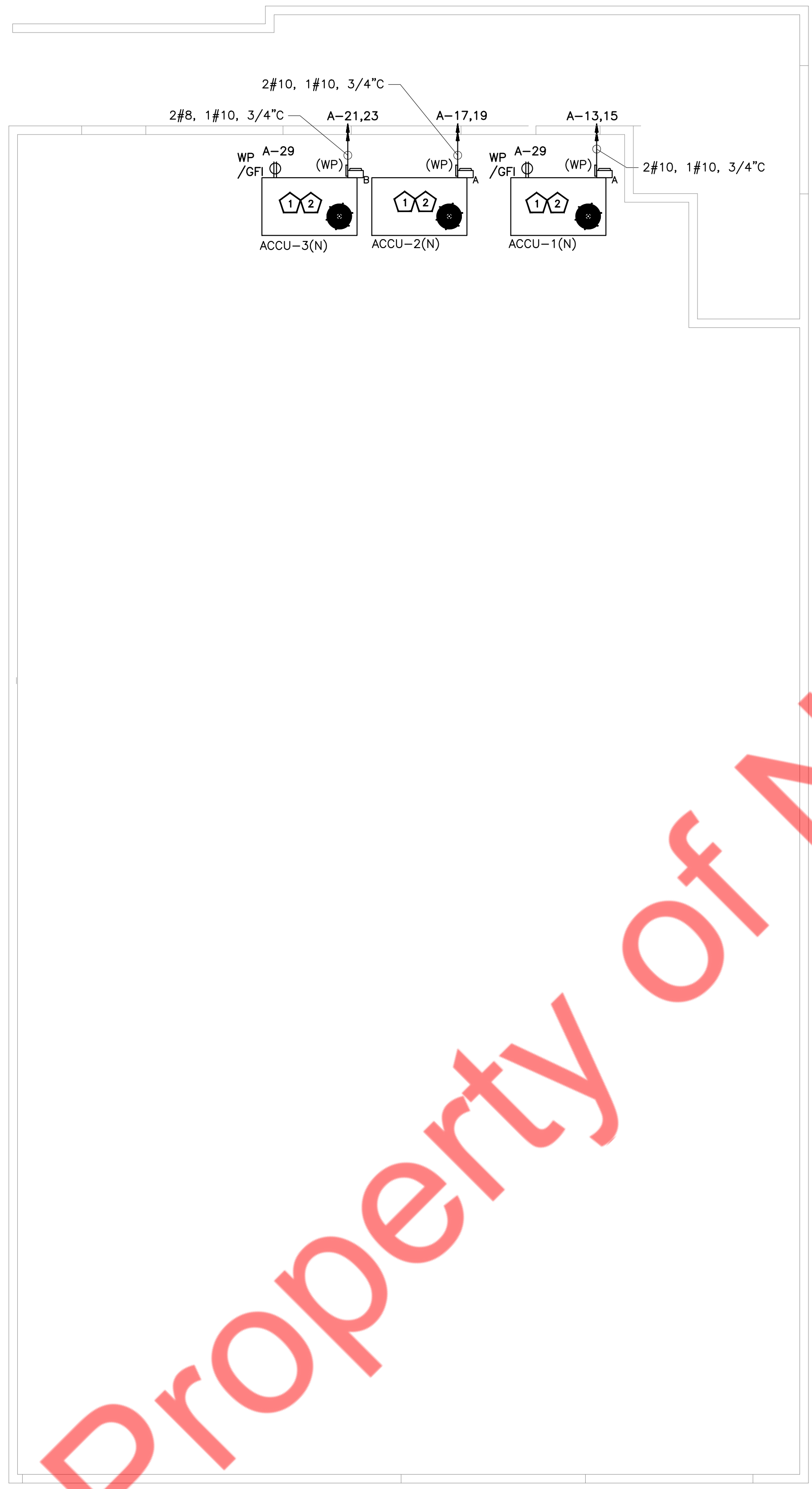
- 1 NEW ELECTRICAL PANEL "A" & "B" TO BE LOCATED AS SHOWN. E.C. SHALL ROUTE FEEDER UP TO LOCATION OF ELECTRICAL PANEL AS SHOWN ON THE PLAN. E.C. TO COORDINATE FINAL LOCATIONS WITH ARCHITECT/OWNER.
- 2 REFER TO DETAIL ON THIS SHEET FOR MOUNTING HEIGHT AND REQUIREMENTS OF 12'O'CLOCK WALL DEVICES. VERIFY EXACT LOCATION WITH DENTAL DESIGN PRIOR TO ROUGH-IN. TYPICAL OF ALL OP ROOMS.
- 3 PROVIDE REDUNDANT GROUNDING PER NEC 517. TYPICAL OF ALL EXAM ROOMS AND X-RAY ROOM.
- 4 VERIFY ELECTRICAL REQUIREMENTS OF PANORAMIC DENTAL X-RAY WITH DENTAL CONSULTANT PRIOR TO ROUGH-IN. REFER TO SECTION #5 ON SHEET EQ-200 OF ARCHITECTURAL SET.
- 5 ONE QUAD/ DATA MOUNTED AT 60" A.F.F., SECOND DUPLICATION / DATA MOUNTED AT 18" A.F.F. COORDINATE MOUNTING HEIGHT OF RECEPTACLE/DATA WITH OWNER PRIOR TO ROUGH-IN.
- 6 COORDINATE COMPRESSOR/VACUUM FINAL LOCATION PRIOR TO ROUGH-IN.
- 7 COORDINATE MOUNTING HEIGHT OF RECEPTACLE/DATA WITH OWNER PRIOR TO ROUGH-IN.
- 8 "E.C." TO PROVIDE SINGLE-GANG J.BOX AND 1" CONDUIT TO ABOVE CEILING WITH PULL-STRING. REFER TO SECTION OF ARCHITECTURAL SET AND COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
- 9 PROVIDE 30A/2P/NF/N1 DISCONNECT SWITCH.
- 10 RECEPTACLE FOR PC. E.C. TO COORDINATE MOUNTING HEIGHT OF RECEPTACLE/DATA WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
- 11 ALL 15/20A RECEPTACLES IN THE WAITING ROOM 125 SHALL BE TAMPER RESISTANCE AS PER NEC 406.12(5)
- 12 E.C. SHALL VERIFY EXACT POWER REQUIREMENTS FOR THE AHUs AND MAKE PROVISION ACCORDINGLY. BASE BID ACCORDINGLY.



12 O'CLOCK WALL DETAIL
NTS

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A



- Ⓢ ELECTRICAL GENERAL NOTES:
- A. ALL ELECTRICAL TO/FROM ROOF MUST BE RUN THROUGH PROPER ROOF FLASHING OR MECHANICAL UNITS, NO PENETRATIONS IN SIDES OF CURBS.
- Ⓢ ELECTRICAL POWER KEYED NOTES:
- ① ELECTRICAL CONTRACTOR SHALL COORDINATE FOR EXACT LOCATION OF MECHANICAL EQUIPMENTS WITH MECHANICAL DRAWINGS.
 - ② ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.

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① POWER PLAN-ROOF
1/4" = 1'-0"

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1