

Interior Tenant Improvements for:









































RIVER GATE DENTIST

DR. TOMALTY

1161 S.E. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FLORIDA

DATE: 06-28-2023
SCALE: AS NOTED
FILE: A. SLACK
JOB # 23-0106

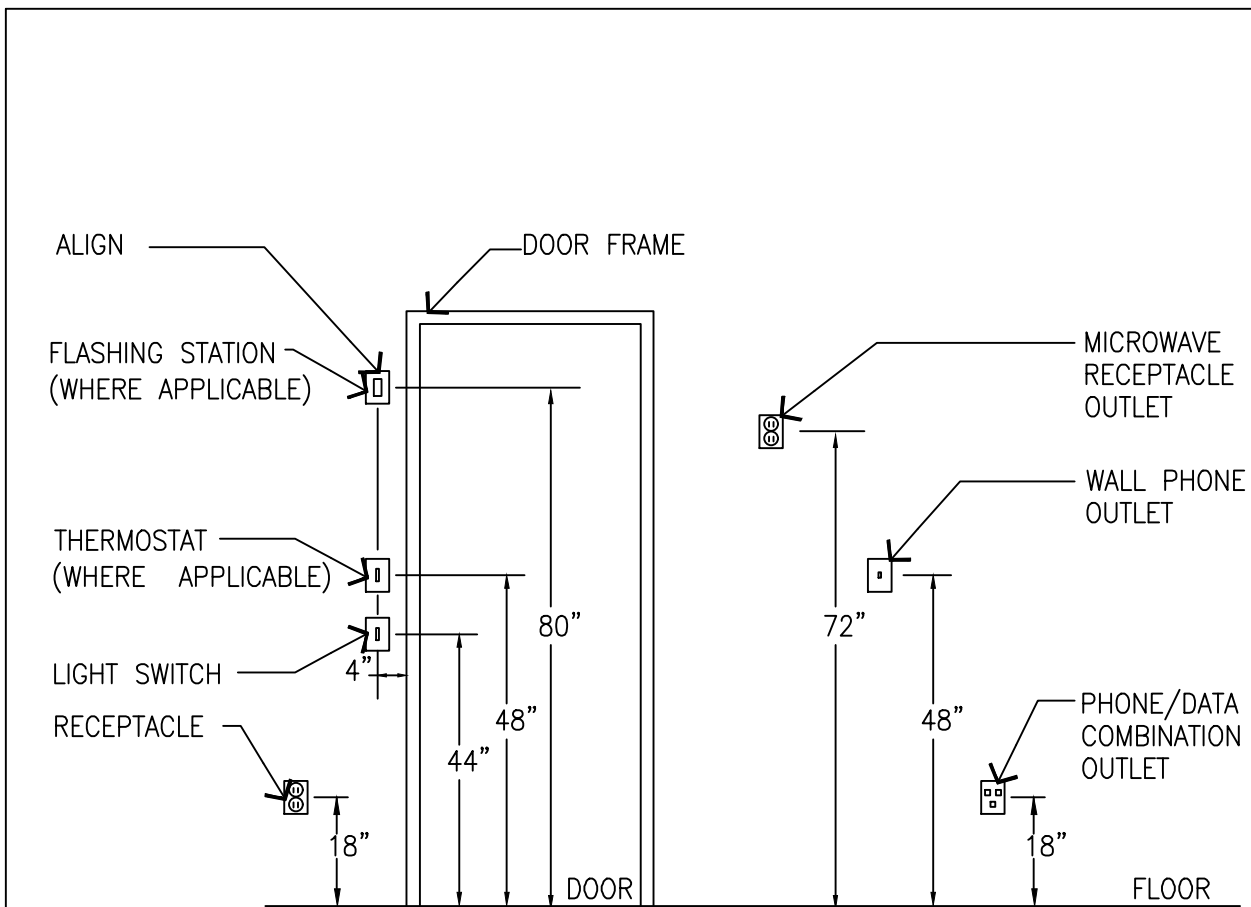
E.1

ELECTRICAL SYMBOLS			
	DUPLEX RECEPTACLE AT 15' AFF.		SINGLE POLE SWITCH
	DUPLEX RECEPTACLE WITH AFCI		THREE WAY SWITCH
	DUPLEX RECEPTACLE WITH GFI		FOUR WAY SWITCH
	WATERPROOF DUPLEX RECEPTACLE		SWITCH THERMOSTAT
	DUPLEX RECEPTACLE UNDER COUNTER		SWITCH DIMMER
	DUPLEX RECEPT. AT 15' AFF.		SWITCH KEYED
	DEDICATED CIRCUIT 120V		DISC. DISCONNECT
	120 V. RECEPTACLE AT 14" AFF.		SECURITY KEY PAD
	DUPLEX RECEPTACLE FLUSH IN FLOOR		DOOR BELL
	JUNCTION BOX		PRE-WIRED TELEVISION CABLE SATELLITE JACKS
			INCANDESCENT LIGHT C.G. MOUNTED
			TELEPHONE OUTLET AT 15' AFF.
			TELEPHONE OUTLET FLUSH IN FLOOR
			INTERNET CABLE MODEM AT 15' AFF.
			SPEAKERS IN C.G. OR WALL
			HARD WIRED SMOKE ALARM
			HVAC THERMOSTAT
			EXHAUST FAN
			RADDLE FAN W/ OR W/O LIGHT
			MOTION SENSOR
			OCCUPANCY SENSOR
			BREAKER PANEL
			F.F.W. METER & DISC.
			RECESSED WALL WASHER FIXTURE
			HI-HAT C.G. MOUNTED
			INCANDESCENT LIGHT WALL MOUNTED
			TRACK LIGHT
			FLUORESCENT LIGHT FIXTURE
			EMERGENCY LIGHTS
			EXIT LIGHTS

NOTE:
ALL 15A AND 20A 120V
RECEPTACLES AT WET
AREAS MUST BE GFI
PROTECTED AS PER NEC
210.(8)B(2)

NOTE TO CONTRACTOR
ALL EXIT AND EMERGENCY LIGHTS ARE
TO BE CONNECTED AHEAD OF ANY SWITCH
LIGHTING CONTROL PANEL OR OCCUPANCY
SENSOR

MATERIALS AND WORKMANSHIP SHALL
COMPLY WITH ALL APPLICABLE CODES
AND ORDINANCES IN THEIR LATEST REVISIONS



The diagram illustrates the wiring for a grounded receptacle. It shows a vertical conduit with three conductors: HOT, NEUTRAL, and GROUND. The HOT and NEUTRAL conductors enter the top of the receptacle box and are connected to the corresponding terminals. The GROUND conductor is connected to the ground terminal. A separate GREEN GROUNDING CONDUCTOR is shown entering the box through a TAPPED HOLE IN THE BOX, secured with a GROUNDING SCREW. This green conductor is connected to the ground terminal and then runs back down the conduit, secured with a WIRE NUT. The receptacle is labeled with 'HOT', 'NEUTRAL', 'GROUND', and 'RECEPTACLE GROUNDING LUG SCREW'. The conduit is labeled 'CONDUIT'. A note specifies: 'NOTE: GROUNDING CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.' A box labeled 'PATIENT CARE AREAS' is shown at the bottom left.

HOT

NEUTRAL

GROUND

OUTLET BOX

RECEPTACLE GROUNDING LUG SCREW

G

N

GROUNDING CONDUCTOR [GREEN]

TAPPED HOLE IN BOX

GROUNDING SCREW
#10 32 X 3/8"
SLOTTED HEXAGON
HEAD, WASHER FACE
SCREW [TYPICAL]

CONDUIT

WIRE NUT [TYPICAL]

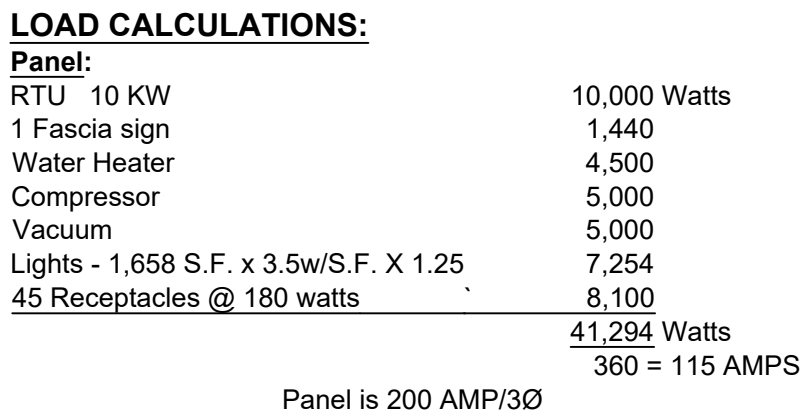
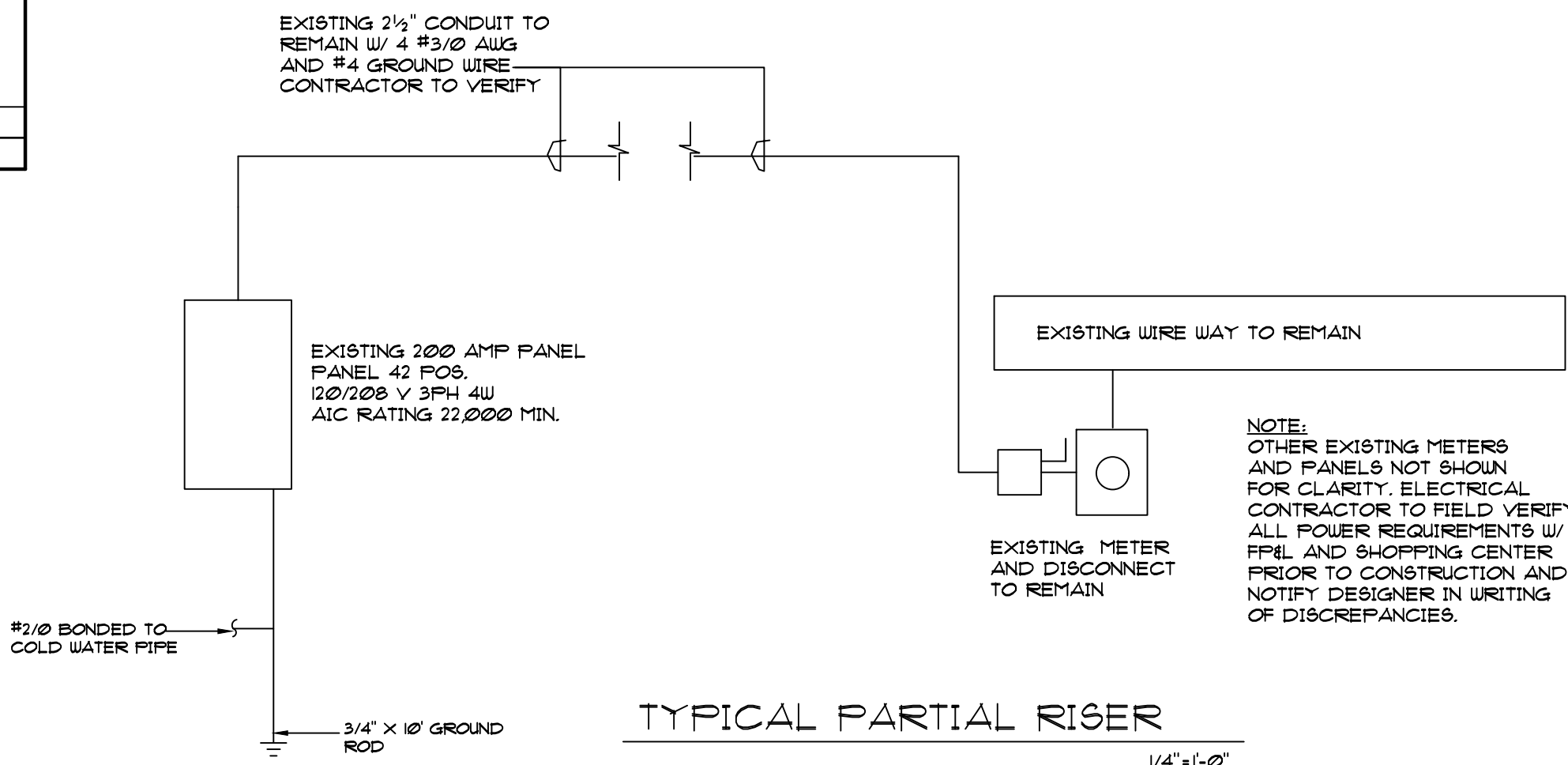
NOTE:
GROUNDING CONDUCTOR
SHALL BE CONTINUOUS SO
THAT REMOVAL OF DEVICE
WILL NOT INTERFERE WITH
CONDUCTOR CONTINUITY.

PATIENT CARE AREAS

GROUNDING RECEPT. DIAGRAM
N.T.S.

POWER PLAN NOTES:

- 1) All wiring shall be concealed unless otherwise noted.
- 2) Communication systems, burglar alarm, and computer wiring are not in contract. Coordinate all conduits, labeling, and low voltage wiring of tenant's burglar alarm, computers, intercoms, sound system, and telephone system.
- 3) Switches and outlets, with covers, shall be "Standard" style. Color selected by tenant.
- 4) Contractor shall wire thermostats.
- 5) All material shall be new and U.L. listed.
- 6) Label panel board circuits, (typed).
- 7) Telephone and computer wiring is N.I.C.
- 8) GFI units shall have GFI feature built into unit.
- 9) Verify equipment mounting heights and requirements with equipment suppliers prior to construction.



NOTES:

1. FULL SIZE GROUND MEANS THAT GROUND CONDUCTOR SIZE SHALL BE AS SHOWN ON SERVICE EQUIPMENT ON THE POWER RISER DIAGRAM.
2. AFTER GROUNDING SYSTEM IS INSTALLED, GROUND RESISTANCE SHALL BE MEASURED TO ASSURE THAT GROUND VALUE OF 10 OHM MAXIMUM RESISTANCE IS ACHIEVED. IF NOT, ADDITIONAL GROUNDING SHALL BE PROVIDED TO MEET THE SPECIFIED VALUE.
3. ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELD CONNECTIONS.
4. GROUND CONDUCTOR SHALL BE LOCATED WITHIN OR NEAR BOTTOM OF CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, AND SHALL CONSIST OF AT LEAST 20 FEET OF 1/2 INCH DIAMETER GALVANIZED STEEL OR GALVANIZED BARS OR RODS OF NOT LESS THAN 1/2 INCH DIAMETER, OR AT LEAST 20 FEET OF BARE COPPER CONDUCTOR.

LIGHTING FIXTURE SCHEDULE							
SYMBOL	TYPE	MOUNT	LAMP	VOLT	MANUFACTURER	CATALOG	REMARKS
(A)	2X4 LAY IN LED	GRID	LED 54W	MVOLT	LITHONIA	EPANL-2X4-6000LM-80CRI-40K-M10-MVOLT	DIMMABLE TYP. 2X4
(B)	2X2 LAY IN LED	GRID	LED 31W	MVOLT	LITHONIA	EPANL-2X2-3400LM-80CRI-40K-MVOLT	TYP. 2X2
(C)	4" HI-HAT	RECESSED	LED 20W	120	LITHONIA	LDN4-40/15-L04-AR-120-EZ10	DIMMABLE
(D)	6" HI-HAT	RECESSED	LED 18W	120	LITHONIA	LDN6-40/15-L06-AR-120-EZ10	DIMMABLE
(S)	WALL SCONCE	SURFACE	18W CFL	120	T.B.D.	T.B.D.	\$100 ALLOWANCE EA.
(E)	EMERGENCY LIGHTING	SURFACE	BY MFR.		MAXLUME	ELM-809-W	(1)
(X)	EXIT LIGHT	SURFACE	3.8W LED		DUAL LITE	EDGR-1-G-EL	(1) SINGLE FACE
(Y)	EMERGENCY/EXIT LIGHT	SURFACE	3.8W LED		DUAL LITE		

ALL LIGHT COLOR TEMPERATURE 4000K - 4100K

- (1) PROVIDE BATTERY/INVERTER BACKUP FOR 90 MINUTES IN ACCORDANCE WITH NFPA REQUIREMENTS
CONNECT FIXTURES TO UNSWITCHED HOT LEG OF CIRCUIT, PROVIDE MULTI-TAP BALLAST.

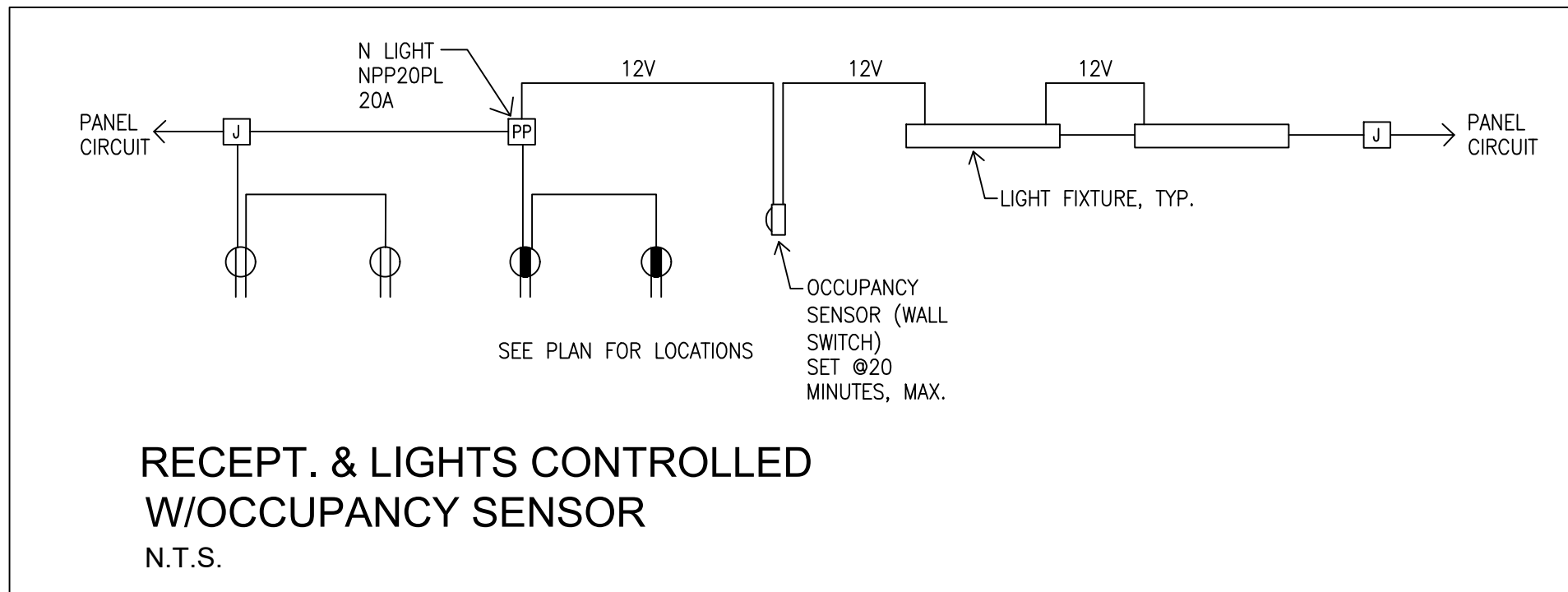
LIGHTING COMPLIANCE : WHOLE SUITE METHOD
AREA: 1379 SF
WATTS ALLOWED: 1,878
WATTS PROVIDED: 1,771

ALL LIGHTING CIRCUITS CONTAINING EMERGENCY & EXIT
LIGHTS SHALL HAVE BREAKER LOCKS

EMERGENCY LIGHTS & EXIT SIGNS SHALL HAVE 90 MIN.
BATTERY BACKUP.

NOTES:

- (1) INTERLOCK EXHAUST FAN (120V) OPERATION W/AHU.
(2) THERMOSTATICALLY CONTROLLED EXHAUST FAN. PROVIDE THERMOSTAT.
(3) ALL EMERGENCY LIGHTING FOR VACANT SPACE TEMPORARILY CIRCUITED TO H-6. SEE LIFE SAFETY PLAN.



RECEIPT. & LIGHTS CONTROLLED
W/OCCUPANCY SENSOR
N.T.S.

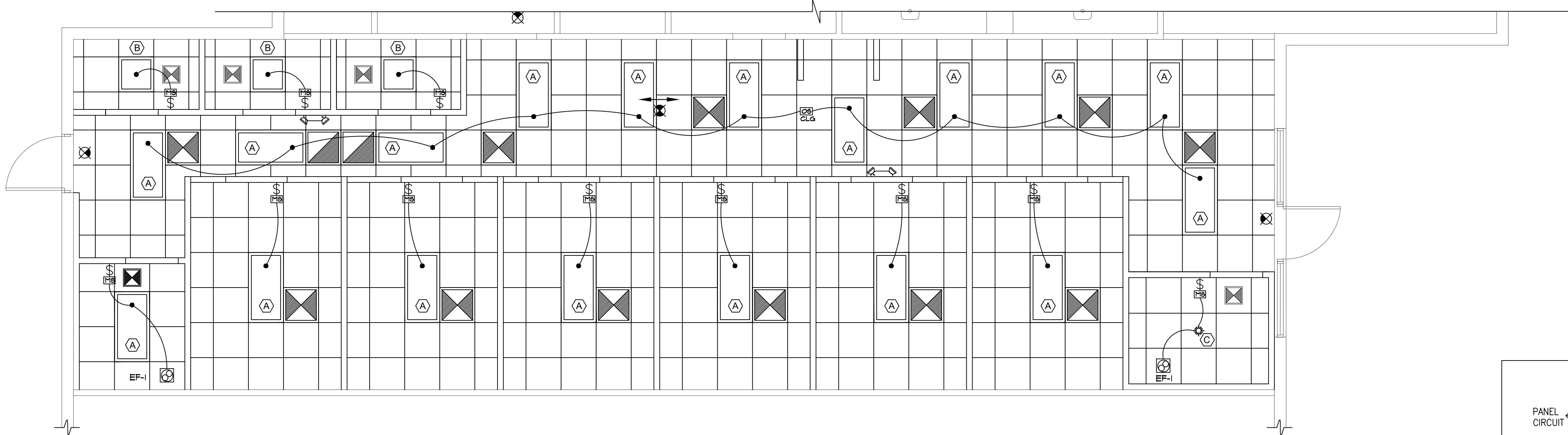
KEY NOTES

- (1) INSTALL OCCUPANCY SENSORS WITH WALL SWITCH LEVITON CAT # ACPI- OR SIMILAR WITH A BUILT IN TIMER TO TURN LIGHTS OFF 30 MIN. AFTER ROOM IS NOT OCCUPIED.
(2) INSTALL CEILING MOUNTED OCCUPANCY SENSOR LEVITON CAT # OSC20-120W OR SIMILAR WITH A BUILT IN TIMER TO TURN LIGHTS OFF 30 MIN. AFTER ROOM IS NOT OCCUPIED.
(3) EXIST SIGN AND EMERGENCY LIGHTS CIRCUITS MUST MEET NEC 700.12E (TYPICAL)

2020 FBC ENERGY CONSERVATION CODE

- 1 ALL FEEDER CONDUCTOR ARE SIZED FOR 2% VDROF, MAXIMUM AT DESIGN LOAD
2 ALL BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR 3% MAXIMUM VDROF AT DESIGN LOAD
3 30 DAYS AFTER DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER INCLUDING A SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION
4 CONTRACTOR MUST PROVIDE THE OWNER WITH AN OPERATION MANUAL AND MAINTENANCE MANUAL OF EQUIPMENT INSTALLED INCLUDING THE FOLLOWING:
A) SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH EQUIPMENT REQUIRING MAINTENANCE
B) OPERATION AND MAINTENANCE MANUAL FOR EACH EQUIPMENT REQUIRING MAINTENANCE AS WELL AS A MAINTENANCE SCHEDULE
C) NAME AND ADDRESS OF AT LEAST ONE QUALIFIED AGENCY

EXISTING DENTAL OFFICE

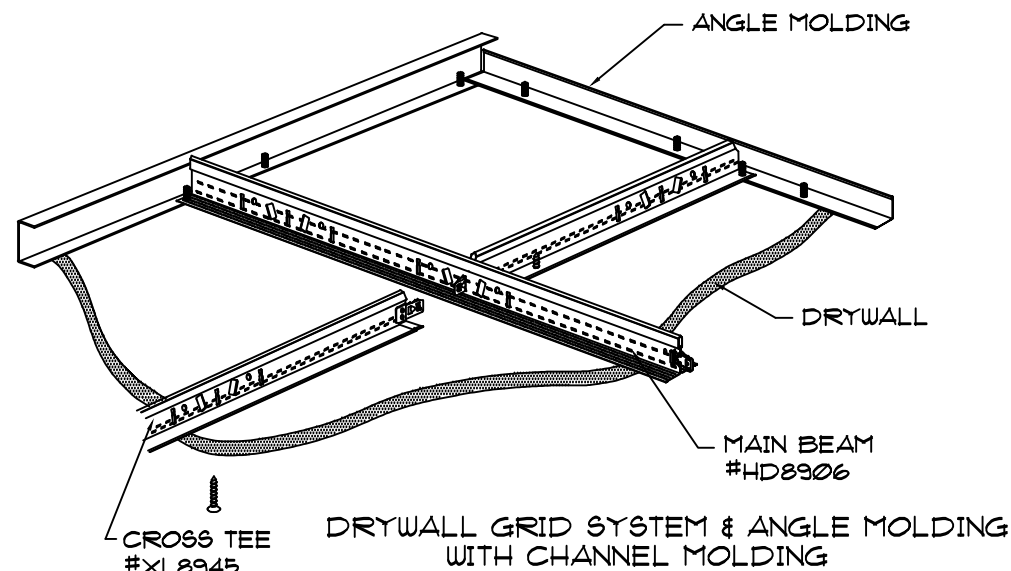


REF. CLG/ LIGHTING PLAN

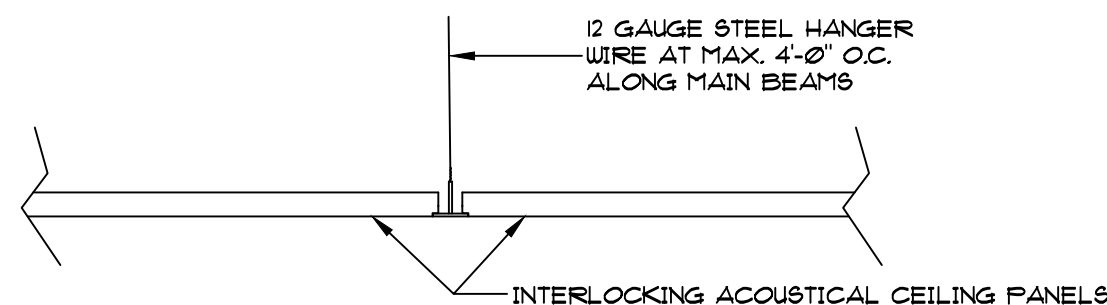
1/4" = 1'-0"

NORTH

CEILING NOTE:
RAISE CEILING AND GRID AS MUCH
AS POSSIBLE



TYPICAL DRYWALL CLG FURRING DETAIL
NO SCALE



TYPICAL ACOUSTICAL TILE CLG.
(AS REQUIRED) NO SCALE