EXISTING PANEL

PANEL WL

TYPE: ITE G2
SERVICE: 120/208, 3Ø, 4W
MOUNTING: FLUSH
POLES: 24

MAIN BUS: 100 AMP
NEUTRAL: FULL
MAINS: LUGS ONLY
A.I.C. 10K

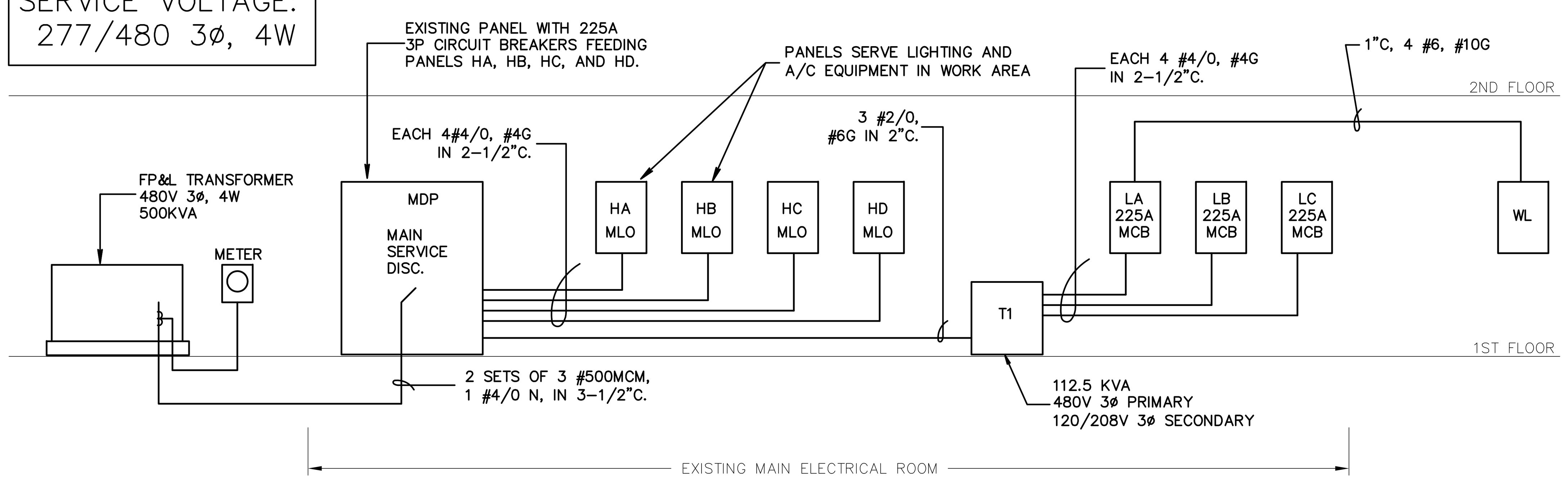
KEYNOTE	DEM. KVA	OTHER KVA	TRIP-POLE	CON-DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP-POLE	OTHER KVA	DEM. KVA	KEYNOTE
②		1.5	20-1	1/2	12	DISHWASHER	1	2	RECEPTACLES			20-1	0.7		①
①		1.5				RECEPTACLES	3	4							
		0.7					5	6							
		0.7					7	8							
		0.7					9	10							
②		0.4		1/2	12	TELEPHONE BOARD	11	12							
		0.4				SERVER	13	14							
		0.5				RECEPTACLES	15	16	SPARE			50-1			
		0.9					17	18	SPACE						
③		0.9	20-1				19	20							
		0.9	20-1				21	22							
		0.4	20-1			DAMPER MOTORS	23	24							
		9.5											4.9		

TOTAL DEMAND LOAD: 14.4 KVA = 40 AMPS

PANEL SCHEDULES KEYNOTES

① EXISTING CIRCUIT TO REMAIN.
② CONNECT NEW CIRCUIT TO EXISTING BREAKER AS SHOWN.
③ PROVIDE NEW CIRCUIT BREAKER, MATCH EXISTING BREAKERS.

SERVICE VOLTAGE:
277/480 3Ø, 4W



PARTIAL/EXISTING ELECTRICAL RISER DIAGRAM

OCCUPANCY SENSOR LEGEND (HUBBELL)

- LHMTS1 WALL BOX
- OMNI-US1000
- OMNI-US2000
- OMNI-DT1000
- OMNI-DT2000

ALL OCCUPANCY SENSORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE POWER PACKS, RELAYS, AND ANY OTHER ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AS SHOWN, INCLUDING CONTROL OF MULTIPLE CIRCUITS AND 120 OR 277 VOLT SYSTEMS WHERE INDICATED.

ALL LIGHTING FIXTURES IN EACH ROOM ARE TO BE CONTROLLED BY ALL OCCUPANCY SENSORS IN THE ROOM UNLESS SPECIFICALLY INDICATED OTHERWISE.

THE CONTRACTOR IS TO SET ALL OCCUPANCY SENSORS TO THE MAXIMUM ALLOWABLE "ON" TIME.

LIGHTING FIXTURE SCHEDULE

MARK	TYPE	MOUNT	LAMP	VOLT	MANUFACTURER	CATALOG	NOTES
A	PARABOLIC TROFFER	RECESSED	(3)F032 T8/35K	MV	COLUMBIA	P4D24-332G-MA36-S-3EPU-GLR	92 WATTS
B	PARABOLIC TROFFER	RECESSED	(2)FB32 T8/35K	M.V.	COLUMBIA	P4D22-232U6G-MA33-S-EPU-GLR	62 WATTS
C	FLUORESCENT WALL WASHER	RECESSED	(2)13WTT 35K	M.V.	PRESCOLITE	RLF6CFH213TWEB-6CFH-WW	34 WATTS
	EXIT LIGHT	SURFACE	BY MFGR.	M.V.	DUAL LITE	LXURWE	① ②
	EMERGENCY LIGHTING	SURFACE	BY MFGR.	M.V.	DUAL LITE	LZ2	②

① PROVIDE SINGLE OR DUAL FACE, WALL OR CEILING MOUNT, AS SHOWN ON PLANS. CONNECT FIXTURES TO UNSWITCHED HOT LEG OF LOCAL LIGHTING CIRCUIT.
② PROVIDE BATTERY/INVERTER BACKUP FOR 90 MINUTES IN ACCORDANCE WITH NFPA REQUIREMENTS. CONNECT FIXTURES TO UNSWITCHED HOT LEG OF LOCAL LIGHTING CIRCUIT.

GENERAL ELECTRICAL NOTES

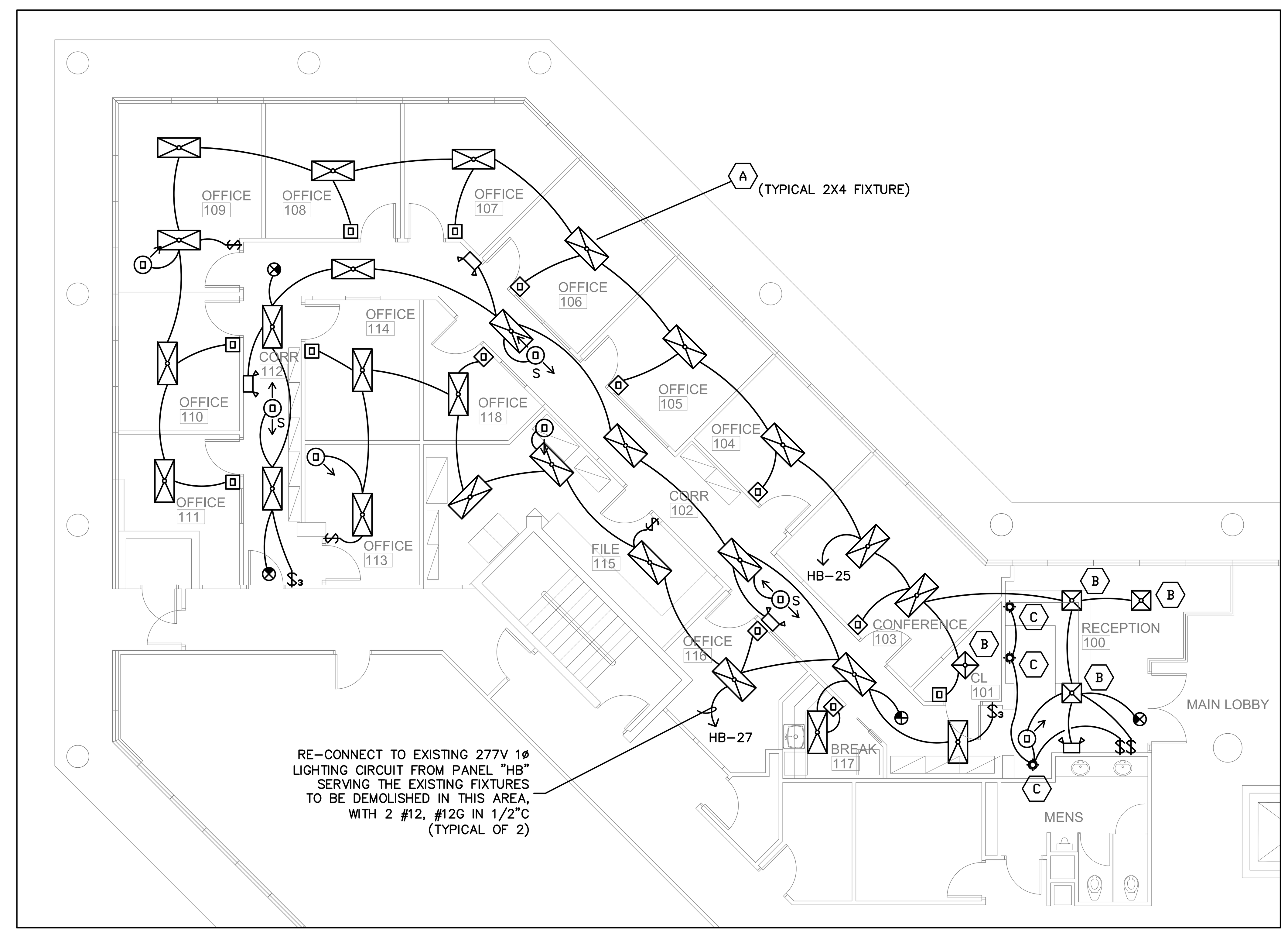
1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNERS REPRESENTATIVE.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE NFPA-70 (2008), THE LIFE SAFETY CODE NFPA-101 (2006), THE NATIONAL FIRE ALARM CODE NFPA-72 (2002), AND THE FLORIDA BUILDING CODE (FBC 2007 WITH 2009 SUPPLEMENTS).
3. MINIMUM WIRE SIZE SHALL BE #12 A.W.G., EXCLUDING CONTROL WIRING. UNLESS OTHERWISE NOTED ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
4. OUTLET BOXES SHALL BE SHEET STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES AS REQUIRED FOR OTHER CLASSIFIED AREAS.
5. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK, WITH ENCLOSURES AS REQUIRED BY EXPOSURE.
6. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
7. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM, AND FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
8. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C.
9. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
10. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERABLE, AND ACCEPTED BY ENGINEER/ARCHITECT.
11. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGESS OF CONSTRUCTION.
12. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
13. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
14. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILTY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
15. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.
16. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
17. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEM AS PER MANUFACTURERS RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY AIR CONDITIONING CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.
18. ALL RACEWAYS UNDERGROUND SHALL BE A MINIMUM OF 3/4" CONDUIT.
19. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, TO BE COMMON TRIP. NO TIE HANDLES, OR TANDEMS WILL BE ACCEPTED.
20. ALL FUSES , UNLESS NOTED ON DRAWING, SHALL BE CURRENT LIMITING (C.L.) RATED FOR 200,000 A.I.C.
21. ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR THE INTENDED USE, WITH UNDERWRITER'S LABORATORIES, INC. (UL), WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL.
22. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN, ON SITE, A DETAILED AS-BUILT PLAN SHOWING ACTUAL INSTALLATIONS. THE CONTRACTOR IS TO PROVIDE A NEATLY DRAWN COMPREHENSIVE AS-BUILT SET OF PLANS UPON COMPLETION, WHICH ARE SUITABLE FOR SUBMISSION TO THE BUILDING DEPARTMENT AND THE OWNER.
23. METAL CLAD (MC) CABLES MAY BE USED FOR 30 AMP AND SMALLER BRANCH CIRCUITS ONLY, EXCLUDING HOMERUNS. ALL OTHER CIRCUITS AND ALL HOMERUNS ARE TO BE IN CONDUIT.

LIGHTING POWER COMPLIANCE
(PER TABLE 13-415.2.B, FBC CHAPTER 13)

SPACE TYPE	TOTAL AREA (SQ.FT.)	ALLOWANCE PER SQ.FT.	SUB-TOTAL ALLOWANCE	DESIGN
OFFICE AREAS	1950	1.1	2145	1564
RECEPTION	260	1.3	338	298
CONFERENCE MULTI-PURP.	210	1.3	273	184
CORRIDOR	600	0.5	300	736
STORAGE	40	0.8	32	62
TOTALS	3060		3088	2844

GENERAL DEMOLITION NOTES

1. UNLESS OTHERWISE NOTED, ALL EQUIPMENT, WIRING DEVICES, LIGHT FIXTURES, CONDUIT AND WIRE IN THE PROJECT AREA WHICH IS NOT INDICATED TO REMAIN, IS TO BE REMOVED. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT AREA PRIOR TO BID TO DETERMINE ALL REQUIRED DEMOLITION.
2. EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.
3. DEMOLITION WORK IS NOT SPECIFICALLY IDENTIFIED ON THESE PLANS, AND MAY BE DESCRIBED ON THE ARCHITECTS PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
4. ALL CONDUITS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION, SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES.
5. ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.
6. PROPERLY REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT, CONDUIT AND WIRING WHICH IS TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNERS APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
7. IT IS THE CONTRACTOR'S RESPONSIBLITY TO ENSURE THAT ALL CONDUITS, NEW OR EXISTING, WITHIN THE PROJECT AREA, ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.



PROPOSED LIGHTING FLOOR PLAN

SCALE: 1/8" = 1'-0"

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PALM BEACH GARDENS, FL
PROJECT NUMBER 710829

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