birse design inc + architecture + interior design + planning

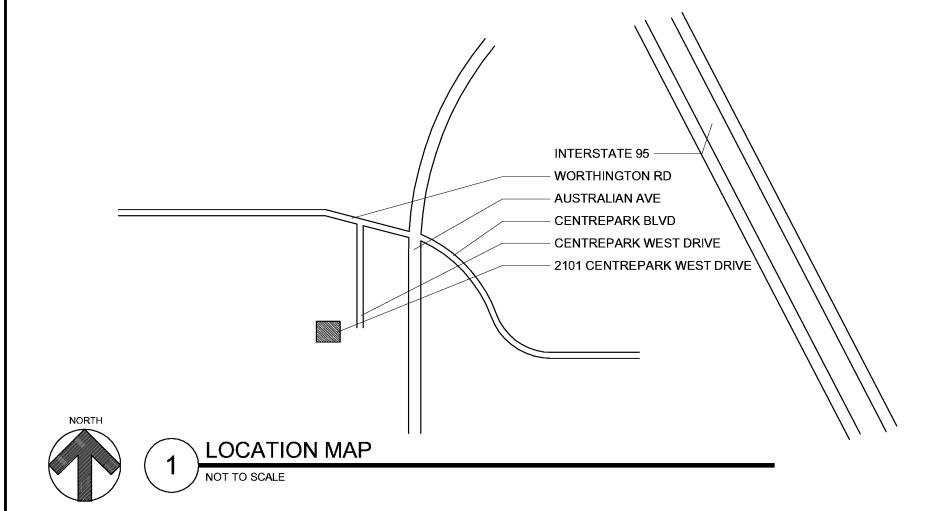
5300 woodland lakes drive palm beach gardens, fl 33418

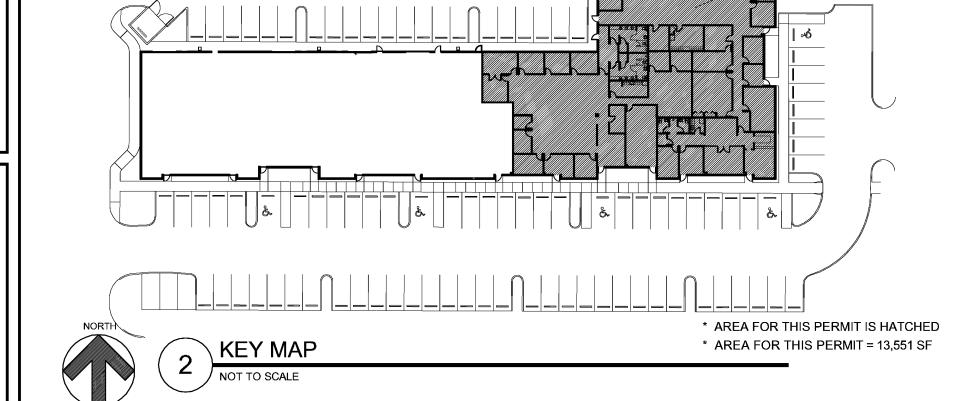
phone 561-249-4001 fax 772-409-8684 AA26001615

MECHANICAL ENGINEER / ELECTRICAL / PLUMBING



129 N. FEDERAL HWY. SUITE 211 LAKE WORTH, FL 33460 (561) 582-0210 P.E. 37933





SYMBOL INDEX:

ROOM NAME ROOM NUMBER

- DOOR MARK/NUMBER

WINDOW MARK/NUMBER

- WALL SECTION/SHEET NUMBER

- BUILDING SECTION/SHEET NUMBER

ELEVATION TARGET/SHEET NUMBER

- DETAIL NUMBER/SHEET NUMBER

(8'-6") CEILING HEIGHT

FIRE EXTINGUISHER

2'x4' FLUORESCENT LIGHT FIXTURE

RECESSED LIGHT DOWN FIXTURE

COPYRIGHT NOTE:

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WALL MOUNTED LIGHT FIXTURE

PROJECT DATA:

* PROJECT ADDRESS: 2101 CENTREPARK WEST DRIVE WEST PALM BEACH, FL 33401

* EXISTING BUILDING IS TYPE II "B"

* EXISTING BUILDING IS A 1 STORY BUILDING

* EXISTING BUILDING CLASSIFICATION IS GROUP "B"

* LEVEL 2 ALTERATION PER "EXISTING BUILDING CODE 2007"

* 1ST FLOOR IS A MULTI TENANT FLOOR

* SUITES #100 WILL BE DIVIDED INTO 2 SUITES * SUITES #100 WILL GIVE 5,136 SF TO SUITE #110

* SUITES #100 = 2,710 SF * TOTAL NEW SUITE = 2,710 SF/100 = 28 OCCUPANTS

* DESIGN OCCUPANT LOAD = 28 OCCUPANTS

* SUITES #110 = 10,841 SF

* TOTAL NEW SUITE = 10,841 SF/100 = 109 OCCUPANTS

* DESIGN OCCUPANT LOAD = 109 OCCUPANTS

PROJECT NOTES:

- AREA OF PERMIT

REFERENCE STANDARDS:

INDEX OF SHEETS:

ARCHITECTURAL SHEETS

TITLE SHEET

EXISTING FLOOR PLAN

DEMDO FLOOR PLAN

PROPOSED FLOOR PLAN

PROPOSED CEILING PLAN

DETAILS / ELEVATIONS

FIRE PROTECTION PLAN

MECHANICAL PLANS

MECHANICAL NOTES ELECTRICAL PLANS

ROOF TOP PLANS

ROOF TOP PLANS

LIGHTING PLANS

PANEL SCHEDULES

ELECTRICAL NOTES

MECHANICAL/ELECTRICAL/PLUMBING SHEETS

THIS PROJECT IS DESIGNED IN ACCORDANCE WI THE FOLLOWING CODES:

. THE FLORIDA BUILDING CODE (FBC), 2007 EDITION WITH 2009 SUPPLEMENTS (BUILDING, MECHANICAL, PLUMBING, FUEL GAS,

2. NATIONAL ELECTRIC CODE (NEC), 2008 EDITION.

3. FLORIDA FIRE PREVENTION CODE, 2007 EDITION.

4. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101, LIFE SAFETY CODE, 2006 EDITION.

5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 1, UNIFORM FIRE CODE, 2006 EDITION.

GENERAL NOTES:

THE CONTRACTOR SHALL AS A PART OF THIS CONTRACT FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, TRANSPORTATION, AND INSURANCE NECESSARY TO PROPERLY EXECUTE AND COMPLETE THE WORK ACCORDING TO THE PLANS AND SPECIFICATIONS.

THE CONTRACTOR IN THE WORK OF ALL TRADES SHALL PROTECT ALL EXISTING BUILDING AND PROPERTY FROM DAMAGE CAUSED BY THE ACTIVITIES OF THE CONTRACTOR AND SUBCONTRACTORS. THE CONTRACTOR SHALL REPAIR AND RESTORE THE JOB SITE AND SURROUNDING AREAS TO IT'S ORIGINAL CONDITION. OWNER TO VERIFY SATISFACTION.

. THE CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES, INCONSISTENCIES OR OMISSIONS BEFORE PROCEEDING WITH ANY WORK.

f i . THE CONTRACTOR SHALL MAKE NO CHANGES TO THE CONSTRUCTION DRAWINGS WITHOUT $\,$ WRITTEN APPROVAL FROM THE ARCHITECT.

5. ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST CODES AND ORDINANCES.

3. THESE CONSTRUCTION DOCUMENTS ARE DIAGRAMATIC AND ARE TO CONVEY DESIGN INTENT. IT IS NOT THE INTENT OF THESE CONSTRUCTION DRAWINGS TO SHOW ALL DETAILS OF THE EXISTING CONDITIONS. THE CONTRACTOR SHALL VISIT THE SITE TI VERIFY DIMENSIONS PRIOR

7. EACH CONTRACTOR SHALL ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH THE APPROPRIATE TRADES.

8. ALL INDICATED UTILITY AND STUB-IN LOCATIONS ARE FOR REFERENCE ONLY. THE EXACT LOCATIONS SHALL BE VERIFIED ON THE JOB SITE.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ENGINEERING AND THE ARCHITECTURAL DRAWINGS FOR THE ACTUAL PLACEMENT OF THE WORK RELATIVE TO FIELD CONDITIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBTAINING INSTALLATION REQUIREMENTS FOR ALL BUILT-IN APPLIANCES, FIXTURES, AND

EQUIPMENT. VERIFY EXACT ROUGH-IN DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO ROUGH-IN FRAME.

11. THE COST OF ADDITIONAL DESIGN WORK DUE TO ERRORS OR OMMISIONS IN CONSTRUCTION SHALL BE BORNE BY THE RESPECTIVE

10. DETAILS ON THE STRUCTURAL DRAWINGS (IF PROVIDED) ARE TYPICAL. VERIFY ALL DIMENSIONS WITH THE STRUCTURAL DRAWINGS.

12. CONTRACTOR TO BE RESPONSIBLE FOR CHECKING STRUCTURAL CALCULATIONS FOR SPECIFIC REQUIREMENTS OF STRUCTURAL CONNECTIONS. SUBMIT STEEL TRUSS CALCULATIONS AND SHOP DRAWINGS OF ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL FABRICATION BEFORE COMMENCING FABRICATION.

13. BIRSE DESIGN, INC. SHALL IN NO WAY BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNOLOGIGES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. (THESE ARE SOLELY THE CONTRACTORS RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION.

14. EACH CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING, SHORING, GUYING, OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS ASSOCIATED WITH WORK IN PLACE DURING CONSTRUCTION.

15. PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION AS REQUIRED BY LOCAL CODES.

16. SPRINKLER SYSTEM: INSTALL FULL BUILDING SPRINKLER SYSTEM IN COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13. SHOP DRAWINGS MUST BE APPROVED BEFORE INSTALLATIONS. PROVIDE OWNER WITH 2 COPIES OF PERMIT SETS.

7. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR MEETING THE REQUIREMENTS OF ALL CURRENT APPLICABLE BUILDING CODES AND ENFORCEMENT AGENCIES, FIRE MARSHALL, OR ANY OTHER BUILDING CODE ENFORCEMENT OFFICER AT NO EXTRA COST TO THE OWNER. NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPHANCIES PRIOR TO SUBMITTING A BID FOR THE PROJECT.

18. BASE BID SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

A. ALL PERMITS AND FEES FOR ALL 1. BUILDING AND TRADE PERMITS.

2. ALL ACCESSORY AND SITE IMPROIVEMENT PERMITS.

B. ALL FILL REQUIRED TO MEET MINIMUM FINISHED FLOOR SLAB ELEVATION AND COMPACTION.

C. WATER METER HOOK-UP AND METER DEPOSITS. - OWNER RESPONSIBILITY

D. HOOK-UP AND FEES FOR UNDERGROUND SERVICE FROM FPL

LOCAL PHONE & CABLE T.V. - OWNER RESPONSIBILITY E. SOIL, CONCRETE AND ANY OTHER NECESSARY TESTING.

F. ENGINEERING STAKE OUTS AND SURVEYS INCLUDING FINAL TIE - IN SURVEY.

G. CLEARING, GRUB, AND SITE PREPARATION, INCLUDING GRADING. H. ALL BIDDERS AND THEIR SUBCONTRACTORS SHALL BE CURRENTLY LICENSED

IN THE STATE OF FLORIDA.

I. THE OWNER RESERVES THE RIGHT TO REJECT ANY BIDS. J. THE G.C. SHALL PROVIDE AN ESTIMATE OF TIME FOR COMPLETION.

K. THE GENERAL CONTRACTOR SHALL PROVIDE PROOF OF INSURANCE FOR WORKMANS' COMPENSATION AND ANY OTHER INSURANCES REQUIRED BY THE OWNER FOR ALL EMPLOYEES EITHER DIRECTLY EMPLOYED BY THE

GENERAL CONTRACTOR OR BY HIS SUBCONTRACTORS. . THE CONTRACTOR SHALL CLEARLY LIST ANY WORK NOT INCLUDED IN HIS BID.

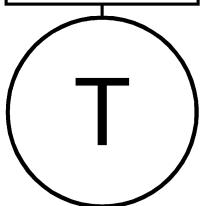
M. PROVIDE FIRE DEPARTMENT KNOX BOX ADJACENT TO FRONT DOOR OF BLDG.

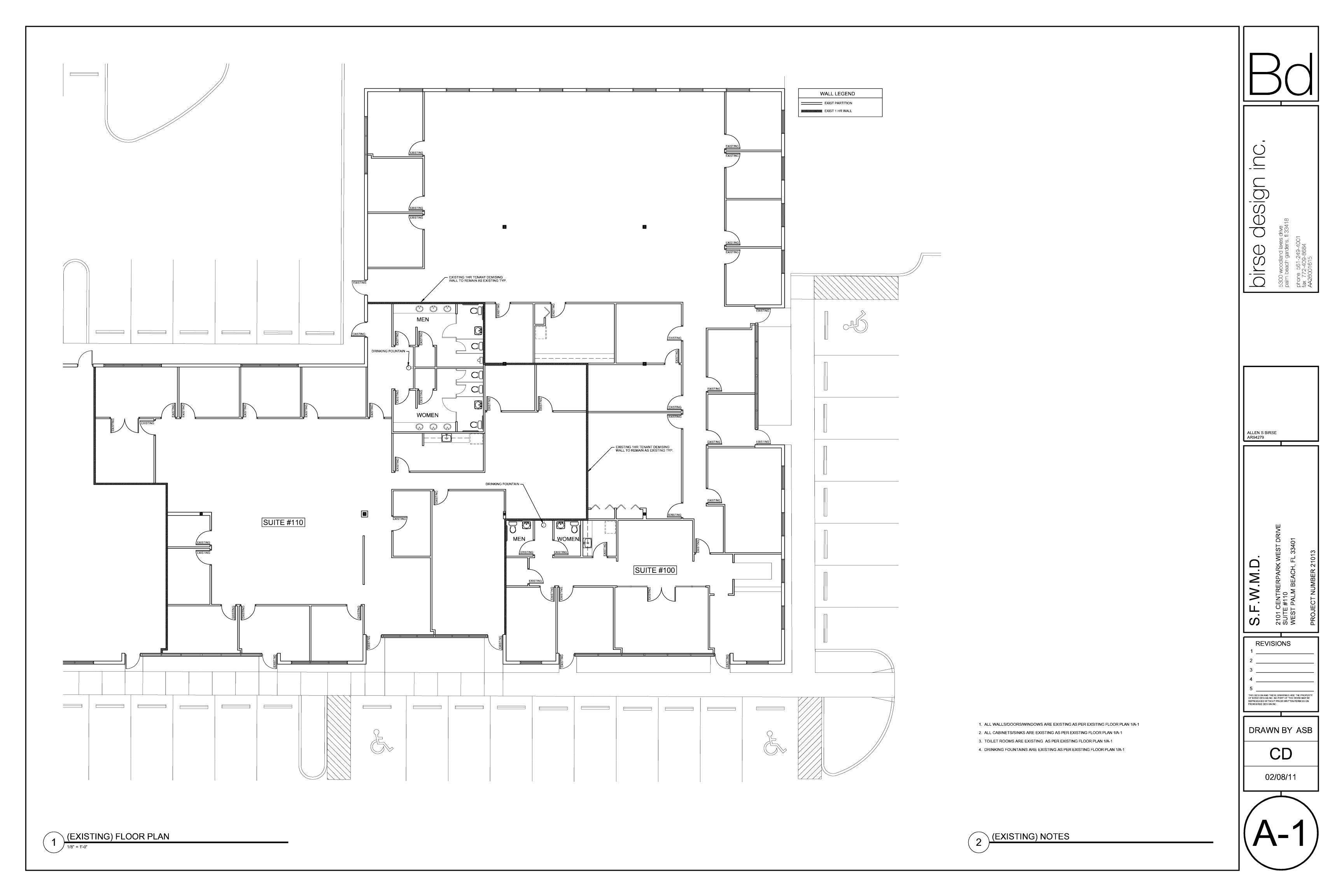
N. CONTRACTOR TO PROVIDE AS BUILT DRAWINGS. PROVIDE TWO COPIES OF PERMIT SET TO OWNER

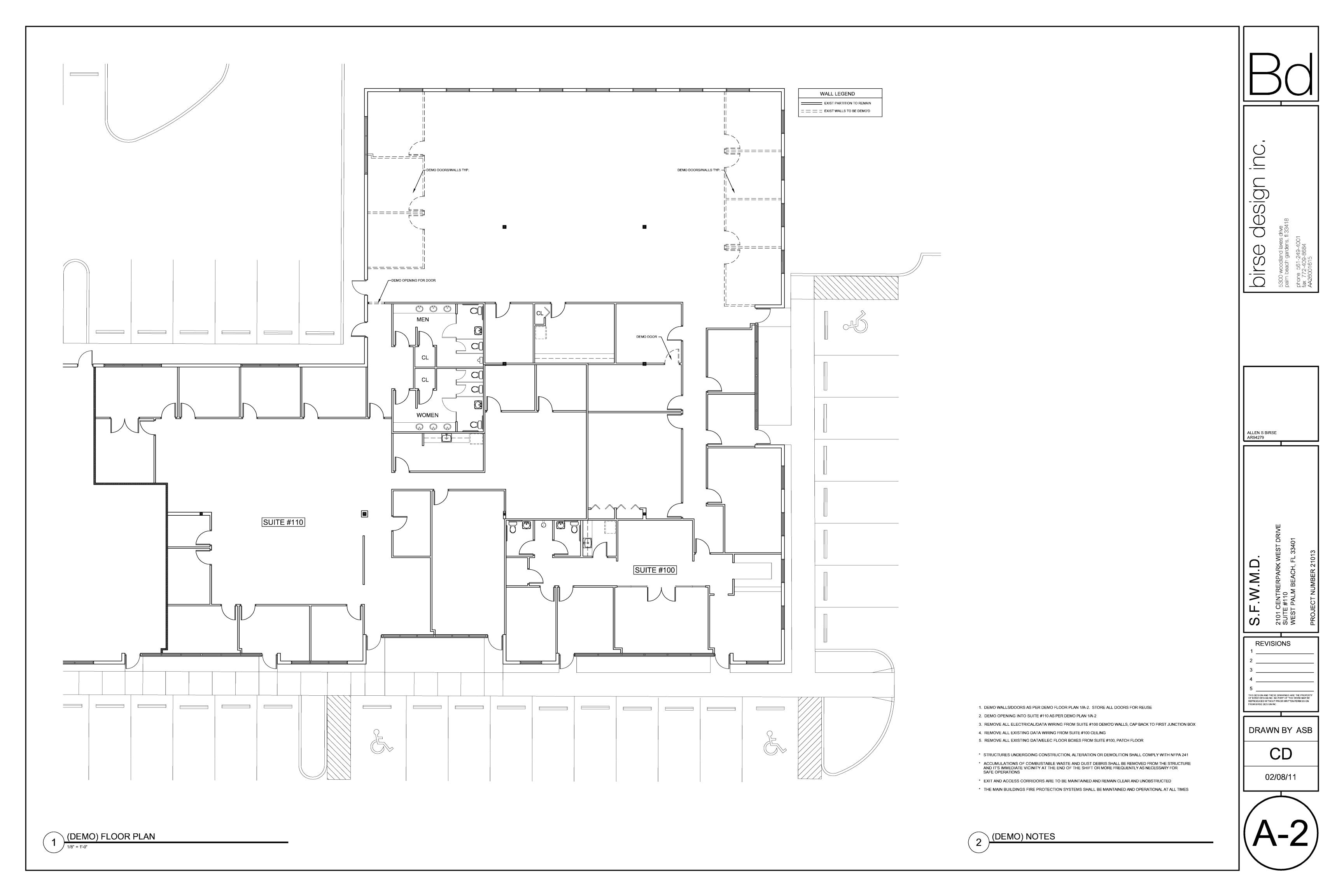
ALLEN S BIRSE AR94279

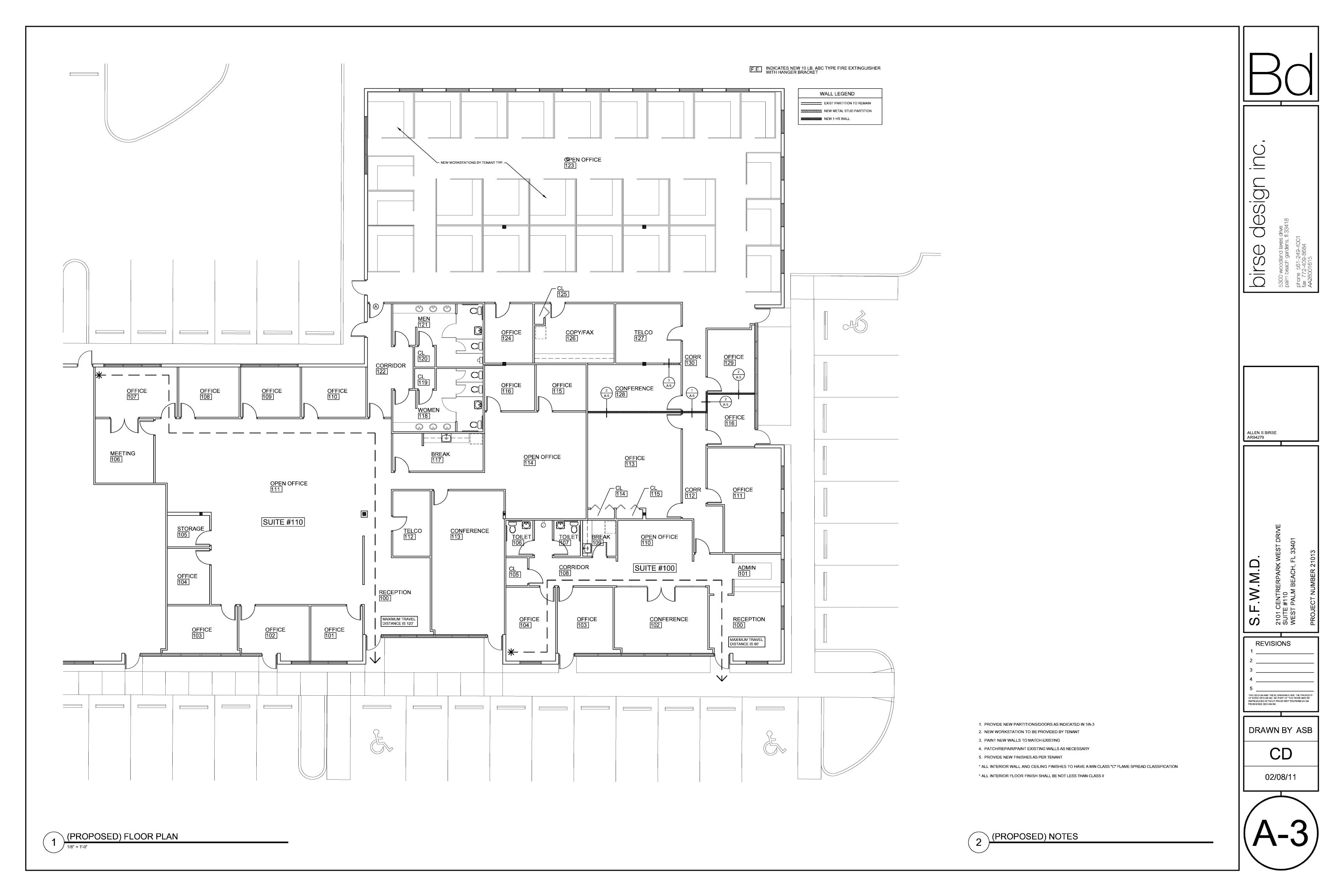
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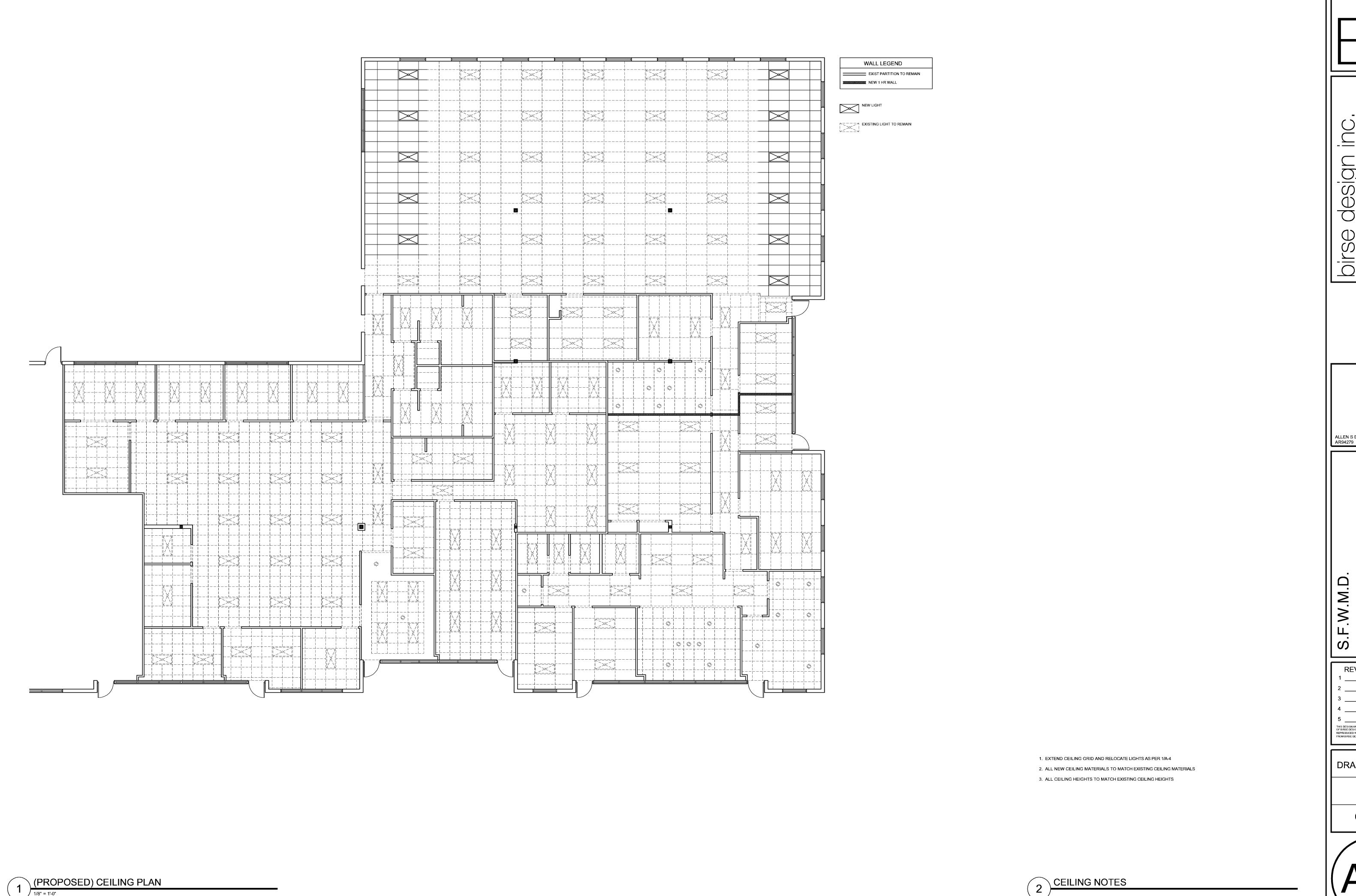
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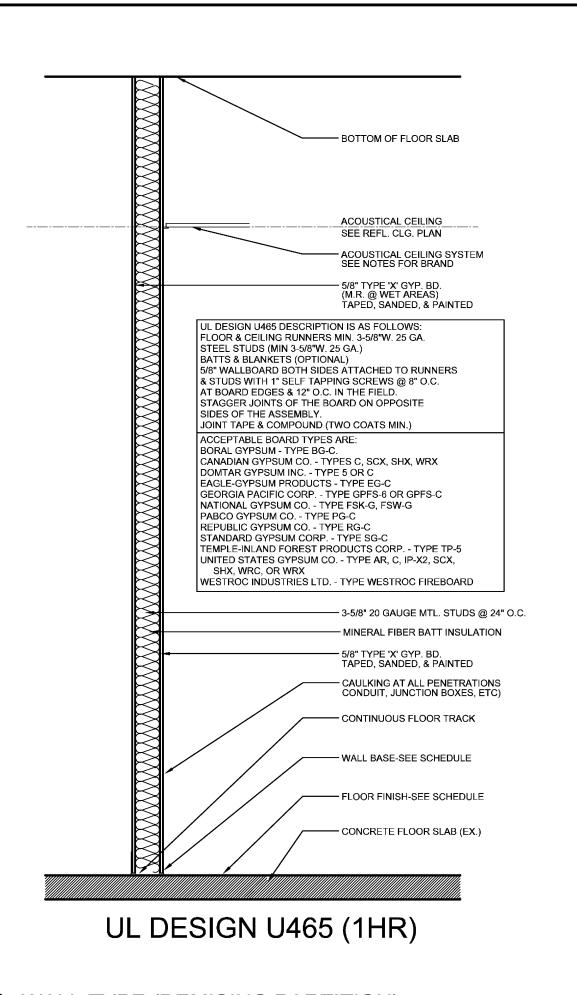


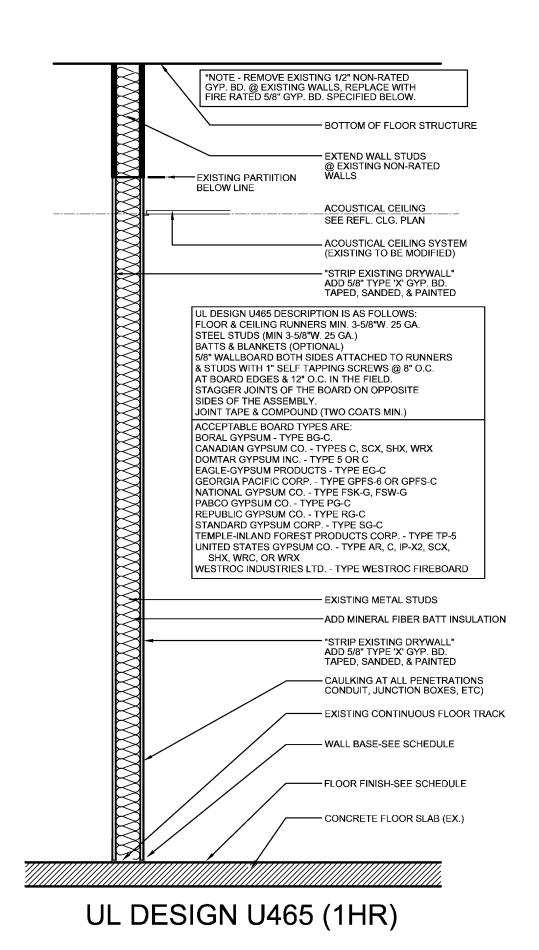
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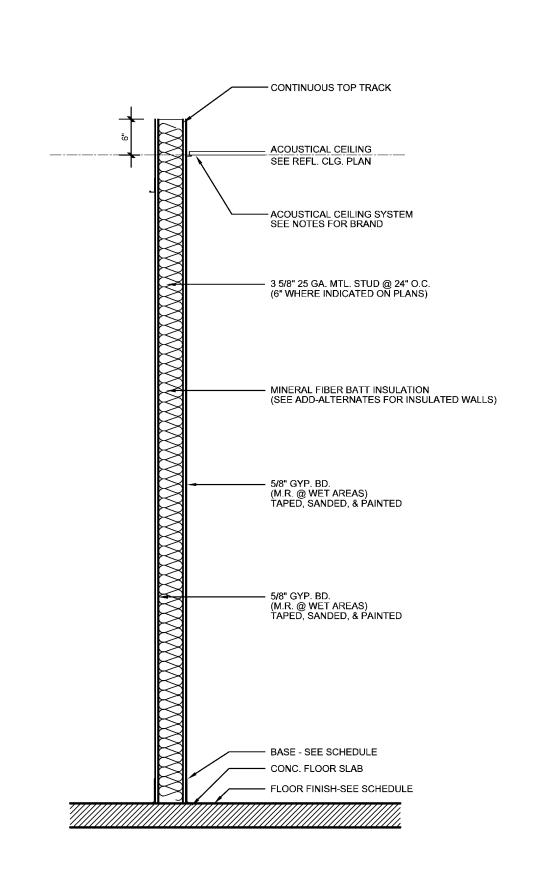
REVISIONS

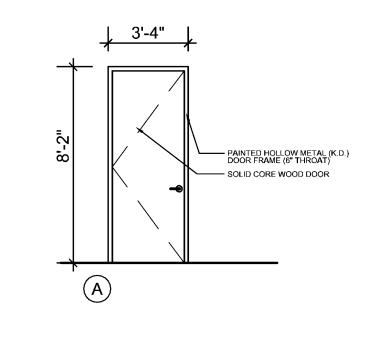
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* NEW TENANT ENTRY DOOR TO MATCH EXISTING BUILDING STANDARD

* ALL CLOSERS TO BE ON THE INSIDE OF TENANT SPACE

* NEW TENANT INTERIOR DOOR HARDWARE TO MATCH BUILDING STANDARD

* DOOR HARDWARE IS REQUIRED TO COMPLY WITH FBC 11-4.13.9 FOR ACCESSIBILITY

DOOR SCHEDULE

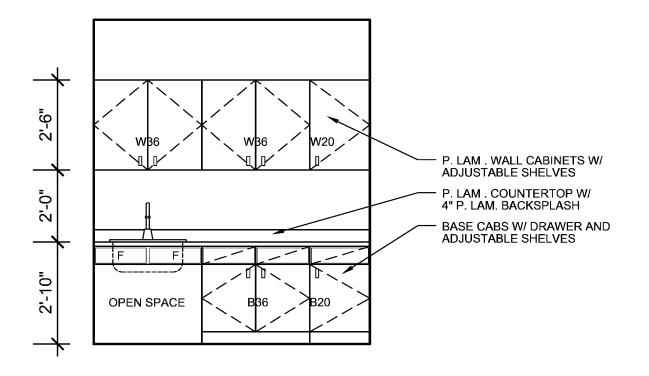
NAA DIA	LADEL			DOOR			FRAME	
MARK	LABEL	NAAT	TVDE		SIZE		SIZE/MAT.	REMARKS
		MAT	TYPE	W	Ι	Т		
Α		WD	FLUSH	3'0"	8'0"	1-3/4"	2" HM	GLASS SIDE LIGHT



WALL TYPE (DEMISING PARTITION)

WALL TYPE (DEMISING PARTITION)

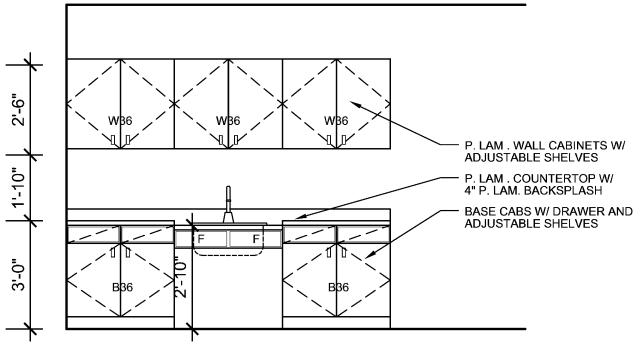
* CABS/SINK ARE EXISTING (NO WORK TO BE DONE)



* SINKS SHALL BE MOUNTED WITH THE COUNTER TOP OR RIM NO HIGHER THAN 34" ABOVE THE

- * KNEE CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP IS PROVIDED UNDERNEATH
- * EACH SINK SHALL BE A MAXIMUM OF 6-1/2" DEEP
- * HOT WATER AND DRAIN PIPES UNDER SINK SHALL BE INSULATED OR OTHERWISE CONFIGURED SO AS TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES
- * A CLEAR FLOOR SPACE OF AT LEAST 30" BY 48" SHALL BE PROVIDED IN FRONT OF A SINK TO ALLOW FORWARD APPROACH. THE CLEAR FLOOR SPACE SHALL BE ON AN ACCESSABLE ROUT AND SHALL EXTEND A MAXIMUM OF 19 INCHES UNDERNEATH THE SINK
- * 19" MAX CLEAR AREA SHALL BE PROVIDED UNDERNEATH SINK
- * ALL FAUCETS SHALL BE LEVER OPERATED

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		FLOOR	BAS	2E	WAI	1.0	CE	ILIN(
MK	ROOM NAME	FLOOK	DA.) <u> </u>	VVAI	LLO	CE	LIIN	<u> </u>	REMARKS
IVIT	ROOM NAME	MAT	MAT	нт	MAT	FIN	MAT	FIN	нт	KLIVIARRO
SUITE #1	10	•	•							
100	RECEPTION	EXISTING -							\rightarrow	
101	OFFICE	EXISTING -							\rightarrow	
102	OFFICE	EXISTING -							\longrightarrow	
103	OFFICE	EXISTING -							\rightarrow	
104	OFFICE	EXISTING -							\rightarrow	
105	STORAGE	EXISTING -							\rightarrow	
106	MEETING	EXISTING -							\rightarrow	
107	OFFICE	EXISTING -							\rightarrow	
108	OFFICE	EXISTING -							\rightarrow	
109	OFFICE	EXISTING -							\rightarrow	
110	OFFICE	EXISTING -							\rightarrow	
111	OPEN OFFICE	EXISTING -							\rightarrow	
112	TELCO	EXISTING -							\rightarrow	
113	CONFERENCE	EXISTING -							\rightarrow	
114	OPEN OFFICE	EXISTING -							\rightarrow	
115	OFFICE	EXISTING -							\rightarrow	
116	OFFICE	EXISTING -							\rightarrow	
117	BREAK	EXISTING -							\rightarrow	
118	WOMENS	EXISTING -							\rightarrow	
119	CLOSET	EXISTING -							\rightarrow	
120	CLOSET	EXISTING -							\rightarrow	
121	MENS	EXISTING -							\rightarrow	
122	CORRIDOR	EXISTING -							\rightarrow	
123	OPEN OFFICE	CPT1	VL	4"	GWB	PT1	ACT1		\rightarrow	
124	OFFICE	CPT1	VL	4"	GWB	PT1	EXISTING	-	\rightarrow	
125	CLOSET	VCT	VL	4"	GWB	PT1	EXISTING		\rightarrow	
126	COPY/FAX	VCT	VL	4"	GWB	PT1	EXISTING		\rightarrow	RESURFACE LAMINATE COUNTERTOP/CABINETS
127	TELCO	VCT	VL	4"	GWB	PT1	EXISTING		\mapsto	
128	CONFERENCE	CPT1	VL	4"	GWB	PT1	EXISTING		\rightarrow	
129	OFFICE	CPT1	VL	4"	GWB	PT1	EXISTING		\rightarrow	
130	CORRIDOR	CPT1	VL	4"	GWB	PT1	EXISTING		\longrightarrow	

FINISH SELECTIONS

PAINT (PT1) MANUFACTURER: PITTSBURGH PAINTS COLOR: BLUE HAZE #555-1, FLAT TYPE: "ECO-SPEC" NO VOC PAINT

CARPET (CPT1) MANUFACTURER: PATCRAFT STYLE: MANNER BOOK #10247 COLOR: SHOTGUN #47407

VINYL COMP TILE (VCT) MANUFACTURER: ARMSTRONG STYLE: STANDARD EXCELON COLOR: BLUE CLOUD #51933

VINYL BASE (VL) MANUFACTURER: JOHNSONITE COLOR: OCEAN #189

ACOUSTIC CEILING TILE (ACT1) MANUFACTURER: MATCH EXISTING

COLOR: AMATCH EXISTING LAMINATE (COUNTERTOP) MANUFACTURER: FORMICA COLOR: FLAX GAUZE 7708-58 FINISH: MATTE

LAMINATE (CABS) MANUFACTURER: FORMICA COLOR: #5904-43 WILD CHERRY FINISH: MATTE

* ALL INTERIOR WALL AND CEILING FINISHES TO HAVE A MIN CLASS "C" FLAME SPREAD CLASSIFICATION

* ALL INTERIOR FLOOR FINISH SHALL BE NOT LESS THAN CLASS II * SAMPLES ARE REQUIRED TO BE APPROVED PRIOR TO ORDERING

__

ALLEN S BIRSE AR94279

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REVISIONS

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02/08/11

OM BIRSE DESIGN INC.

SUITE #100 BREAK (#109) ELEVATION

SUITE #110 BREAK (#117) ELEVATION

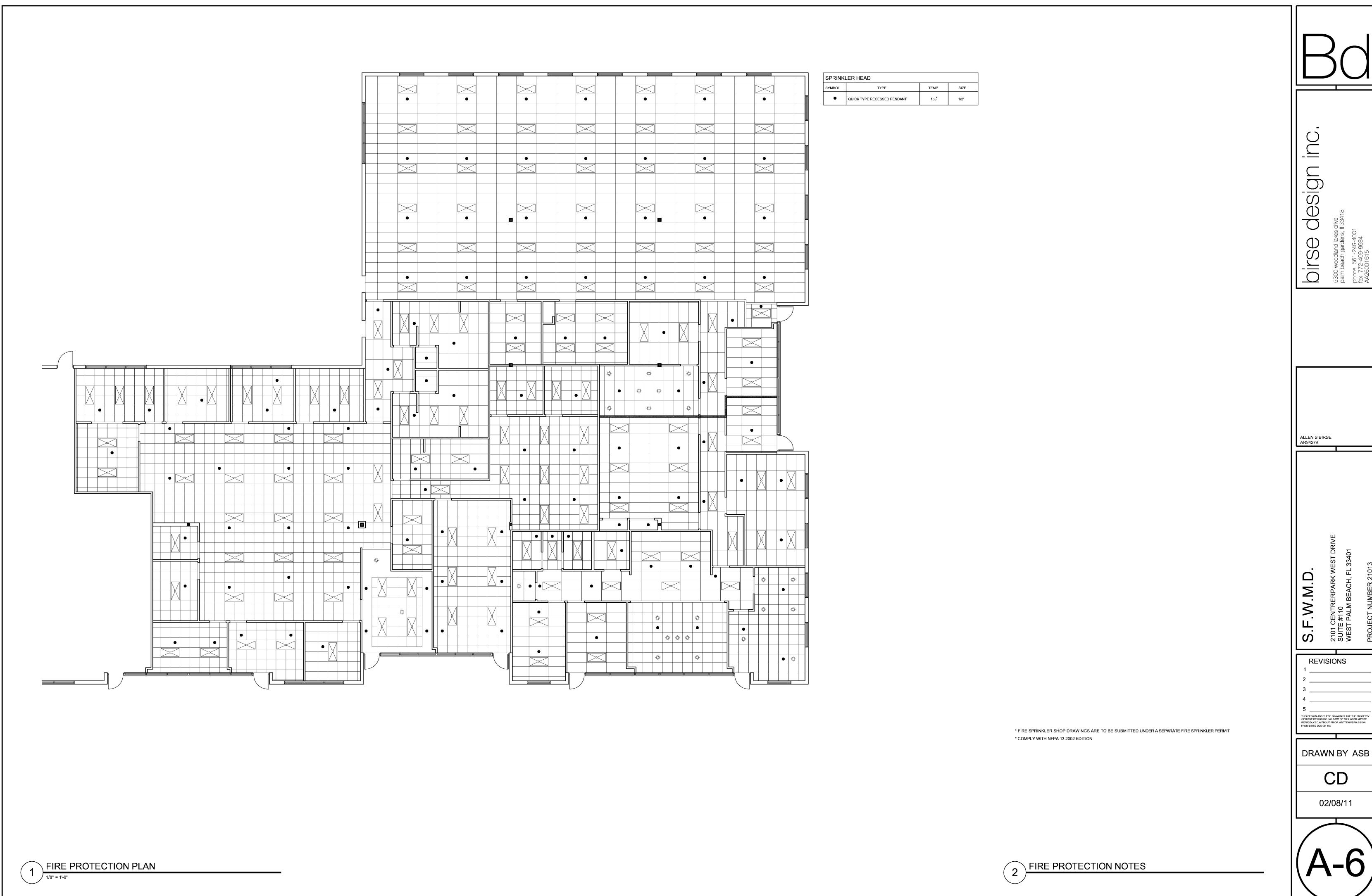
BASE CABS W/ DRAWER AND

* EACH SINK SHALL BE A MAXIMUM OF 6-1/2" DEEP

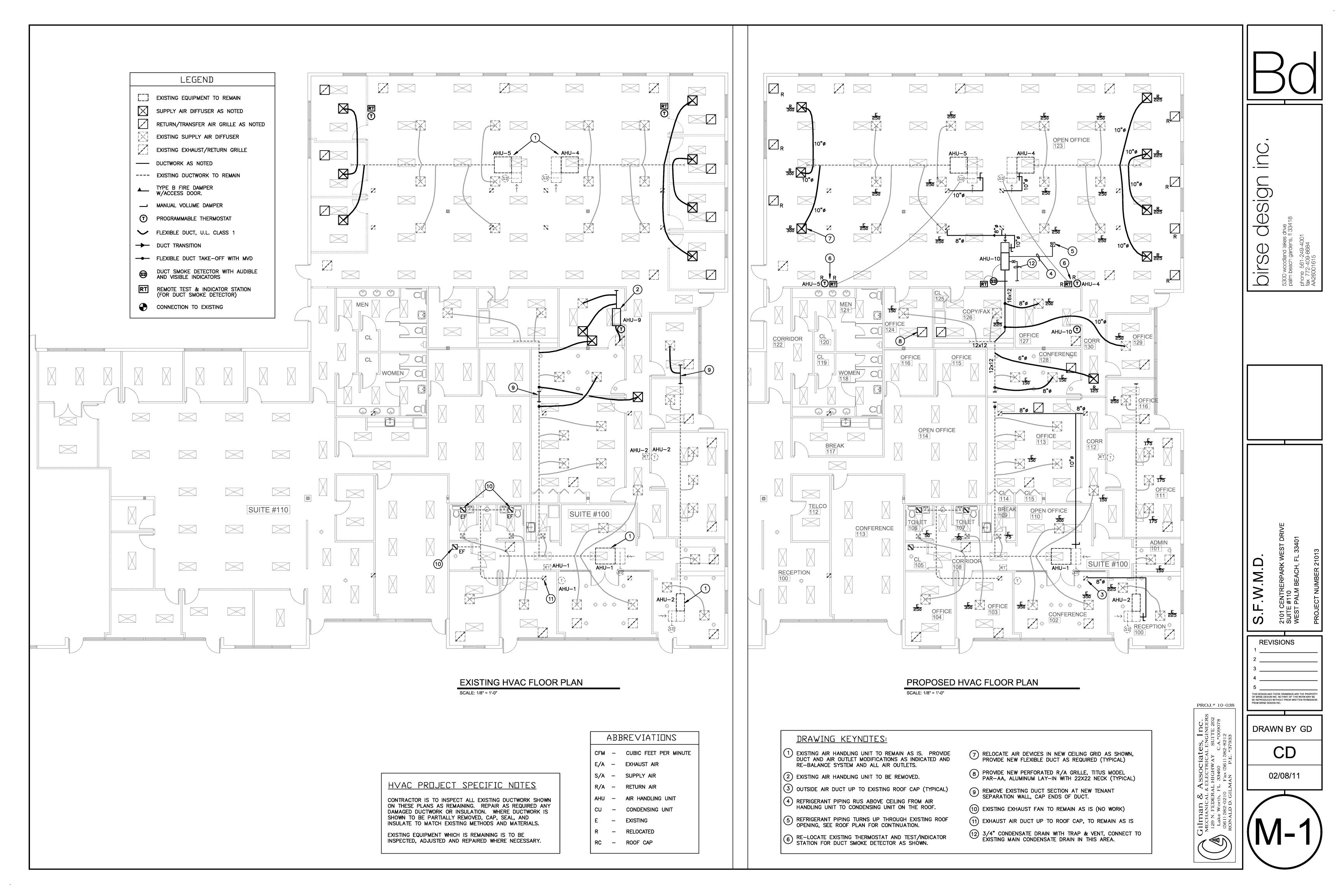
* A CLEAR FLOOR SPACE OF AT LEAST 30" BY 48" SHALL BE PROVIDED IN FRONT OF A SINK TO ALLOW FORWARD APPROACH. THE CLEAR FLOOR SPACE SHALL BE ON AN ACCESSABLE ROUT AND SHALL EXTEND A MAXIMUM OF 19 INCHES UNDERNEATH THE SINK

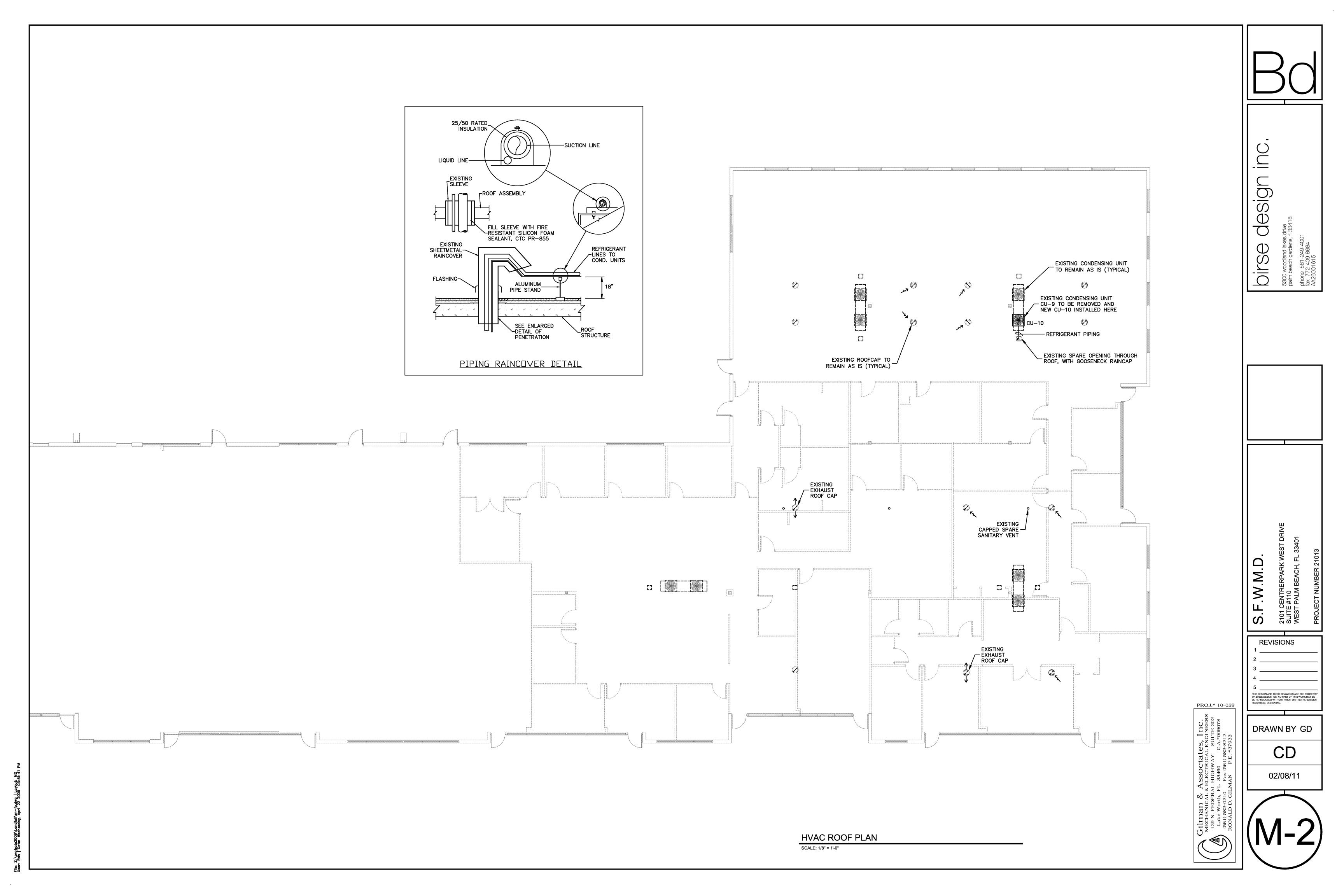
* 19" MAX CLEAR AREA SHALL BE PROVIDED UNDERNEATH SINK

* ALL FAUCETS SHALL BE LEVER OPERATED









GENERAL DEMOLITION NOTES

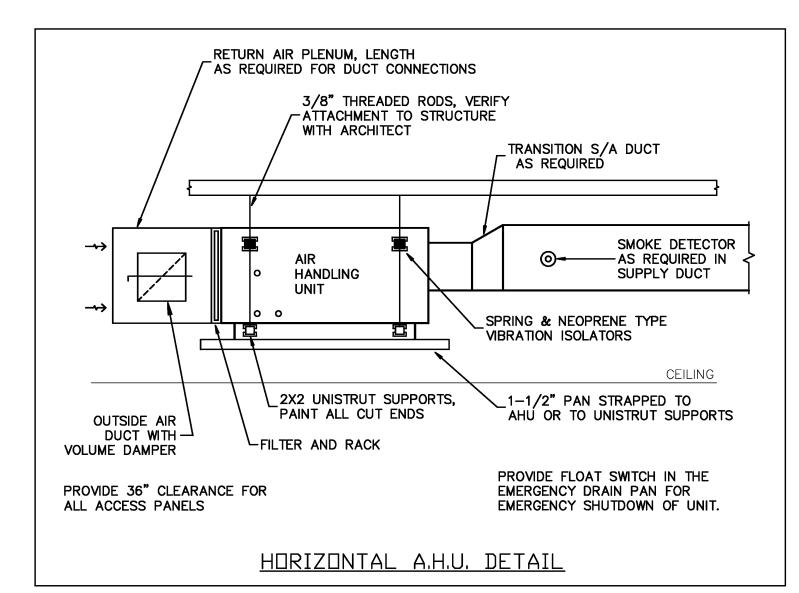
- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND DUCTWORK IN THE PROJECT AREA WHICH IS NOT INDICATED TO REMAIN, IS TO BE REMOVED. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT AREA PRIOR TO BID TO DETERMINE ALL REQUIRED DEMOLITION.
- EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.
- 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.
- I. ALL MECHANICAL SYSTEMS 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.
- . PROPERLY REMOVE AND DISPOSE OF ALL HVAC DUCTWORK AND AIR DISTRIBUTION DEVICES WHICH ARE TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNER'S APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
- . IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL PIPING AND DUCTS, NEW OR EXISTING, WITHIN THE PROJECT AREA, ARE PROPERLY SUPPORTED.
- . ANY UN-USED DUCT OPENINGS ARE TO BE CLOSED, SEALED AND INSULATED WITH MATERIALS AND METHODS TO MATCH EXISTING INSTALLATIONS.

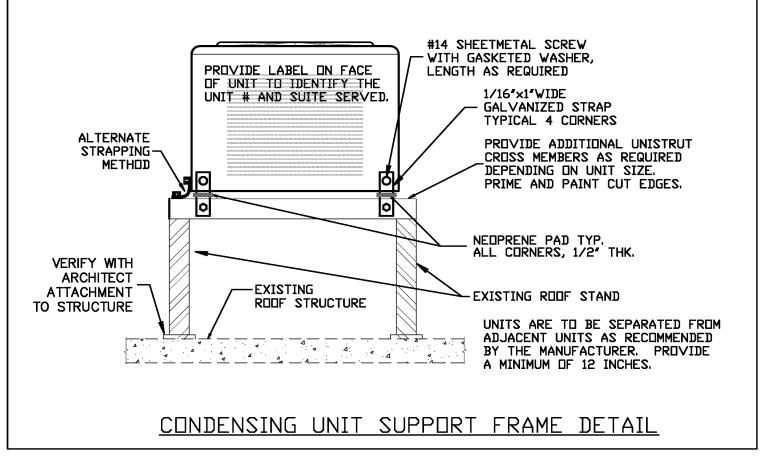
MECHANICAL GENERAL NOTES:

- THESE DRAWINGS ARE DIAGRAMMATIC. ALL OFFSETS, FITTINGS, TRANSITIONS AND ACCESSORIES ARE NOT SHOWN. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL ITEMS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. DO NOT SCALE DRAWINGS FOR INSTALLATION.
- ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER BY LICENSED CONTRACTORS.
- THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL NECESSARY FEES PERMITS, AND TESTS.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. NO CONTRACTOR SHALL BID UNLESS FAMILIAR WITH THESE CODES.
- CORRECTION OF DEFECTS TO THIS WORK SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER. REPAIR AND REPLACEMENT FOR DAMAGE CAUSED BY THIS CONTRACTOR SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER.
- ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS OF CONSTRUCTION.
- THE CONTRACTOR SHALL INCLUDE THE WORK OF ALL REQUIRED SUB-CONTRACTORS, SUCH AS ELECTRICAL, INSULATING, TEST & BALANCE, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READLY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.
- 10. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE AGAINST DEFECTS IN ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM ACCEPTANCE, WITH FOUR ADDITIONAL YEARS OF WARRANTY ON COMPRESSORS.
- THE CONTRACTOR SHALL PROVIDE THREE COPIES OF SUBMITTAL DATA, SHOP DRAWINGS, AND AT COMPLETION OF THE PROJECT TWO SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL PROJECT ITEMS.
- 12. PROVIDE ALL CONTROLS, STARTERS, CONTROL WIRING, DISCONNECTS, AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 13. THE HVAC CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, 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 TO THE OWNER.
- 4. PRIOR TO ACCEPTANCE BY THE OWNER THE SYSTEMS SHALL BE TESTED AND BALANCED BY AN INDEPENDENT NEBB CERTIFIED T&B CONTRACTOR EXPERIENCED WITH THIS SYSTEM, AND CERTIFIED T&B REPORTS SUBMITTED.
- 15. SUPPLY AND INSTALL DUCT MOUNTED SMOKE DETECTORS AS REQUIRED.
- 16. COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
- 17. ALL GRILLES TO BE TITUS OR METALLAIRE UNLESS OTHERWISE NOTED, SIZES AS SHOWN ON PLANS, ALUMINUM CONSTRUCTION.
- 18. ALL DUCT WORK SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH
- SMACNA STANDARDS AND LOCAL BUILDING CODES.
- 19. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
- 20. ALL OUTSIDE AIR DUCTWORK SHALL BE SHEETMETAL WITH EXTERIOR R-6 INSULATION. PROVIDE BLANKET TYPE INSULATION IN CONCEALED SPACES, AND BOARD TYPE IN EXPOSED AREAS.
- 21. ALL EXHAUST AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
- 22. FLEXIBLE DUCT, WHERE SHOWN, SHALL BE U.L. CLASS 1, R-6 INSULATION.
- 23. LOW PRESSURE SUPPLY AND RETURN DUCTWORK IS RIGID DUCTBOARD WITH VAPOR BARRIER, 1 IN. THICK, R-4.2 INSULATION, EXCEPT AS NOTED.
- 24. PROVIDE ELBOW TURNING VANES IN ALL RECTANGULAR DUCTS WHERE TURNS ARE GREATER THAN 45 DEGREES.
- 25. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS.
- 26. VERIFY ALL THERMOSTAT LOCATIONS WITH THE ARCHITECT.
- 27. CONDENSATE DRAIN PIPING IS COPPER WITH SOLDERED FITTINGS AND ARMAFLEX INSULATION.

			VEN	TILATION	N CAL	CULATIO	NS					
SYSTEM		Α	HU-1		Al-	HU−2	AHU-4	AHU-5	AHU-10			
AREA TYPE	OFFICE	BREAK	CORRIDOR	CONFERENCE	OFFICE	RECEPTION	OFFICE	OFFICE	OFFICE	CORRIDOR	CONFERENCE	
SQUARE FEET OF AREA	950	56	490	282	540	218	2030	2000	700	176	202	
CFM/SQ.FT. REQUIRED	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
TOTAL OCCUPANTS	5	1	_	14	4	7	14	13	4	_	10	
CFM/PERSON REQUIRED	5	5	_	5	5	5	5	5	5	_	5	
ZONE CFM REQUIRED	82	8	29	87	52	48			62	11	62	
TOTAL SYSTEM CFM			•	206		100	192	185		•	135	

ABOVE CALCULATIONS AND OCCUPANCY RATES PER ASHRAE 62.1, 2004.





	31 E11 117 C	- SISILII	SCHEDULE
—	AHU TAG	AHU−10	
LINN	MODEL #	FY4ANF036	
\supset	FAN MOTOR H.P.	1/3	
U	FAN MOTOR F.L.A.	2.4	
U N I	HEATER KW/STEPS	3.8 / 1	
HANDL.	SUPPLY AIR CFM @ EXT. S.P.	1150 @ 0.4	
Z	OUTSIDE AIR CFM	135	
I	POWER - VOLTS/PHASE	208/1/60	
	MCA / MOCP	26 / 30	
Ϋ́	OPERATING WEIGHT (lbs)	144	
I	DIMENSIONS (LXWXH)	54X22X21	
INO	C.U. TAG	CU-10	
\leq	MODEL #	24ABB336	
	NOMINAL TONS (TOTAL)	3.0	
\geq	COMPRESSOR R.L.A.	15.3	
	FAN MOTOR F.L.A.	1.4	
<u> </u>	POWER - VOLTS/PHASE	208/1/60	
\exists	MCA / MOCP	21.5 / 30	
LNDENVING	OPERATING WEIGHT (lbs)	141	
<u> </u>	DIMENSIONS (LXWXH)	26X26X32	
>	MANUFACTURER	CARRIER	
<u> </u>	TOTAL SENSIBLE MBH	23.4	
- ハ ハ	TOTAL COOLING MBH	31.6	
≻	RATING D.B /W.B. *F	75/63	
,	SEER (EER)	13.0	

- PROVIDE 5 MINUTE ANTI-SHORT CYCLE RELAY.
- PROVIDE A/C UNIT MANUFACTURER'S PROGRAMMABLE THERMOSTAT.
- SIZE AND RUN REFRIGERANT PIPING PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

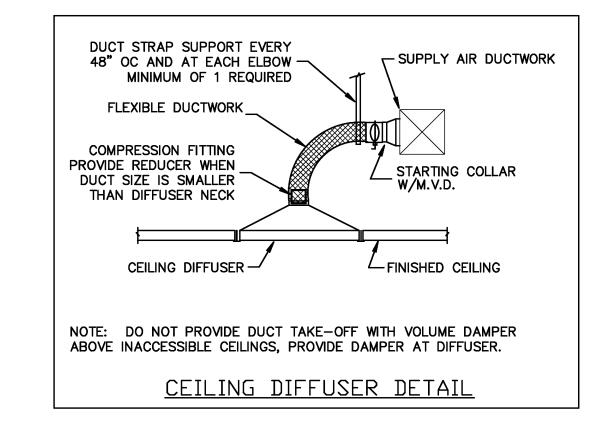
PROVIDE MANUFACTURERS STANDARD FILTER RACK UPSTREAM OF AHU RETURN AIR OPENING.

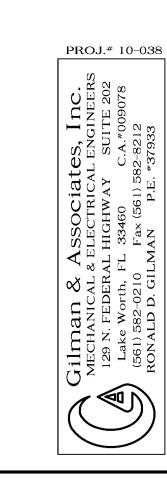
PROVIDE VIBRATION ISOLATORS PER MANUFACTURER'S RECOMMENDATIONS. INSULATE REFRIGERANT SUCTION LINE WITH 1" FIRE RETARDANT ARMAFLEX

9. HEATER CAPACITIES SHOWN AT OPERATING VOLTAGE AS INDICATED.

- INSTALL CHEMICAL DRYER AND STRAINER IN REFRIGERANT LIQUID LINES.
- PROVIDE LIQUID SIGHT GLASS AND EXPANSION VALVES.

— CLEANOUT PLUG — TRAP DEPTH AS PER UNIT MANUFACTURER'S RECOMMENDATION. - PERFORATED CAP A/C UNIT CONDENSATE DRAIN, INSULATED FROM UNIT TO EXTERIOR CEILING — AUXILIARY DRAIN PAN └-1" PAN DRAIN TO CONSPICUOUS EXTERIOR LOCATION (IF SHOWN ON PLAN) CONDENSATE TRAP DETAIL







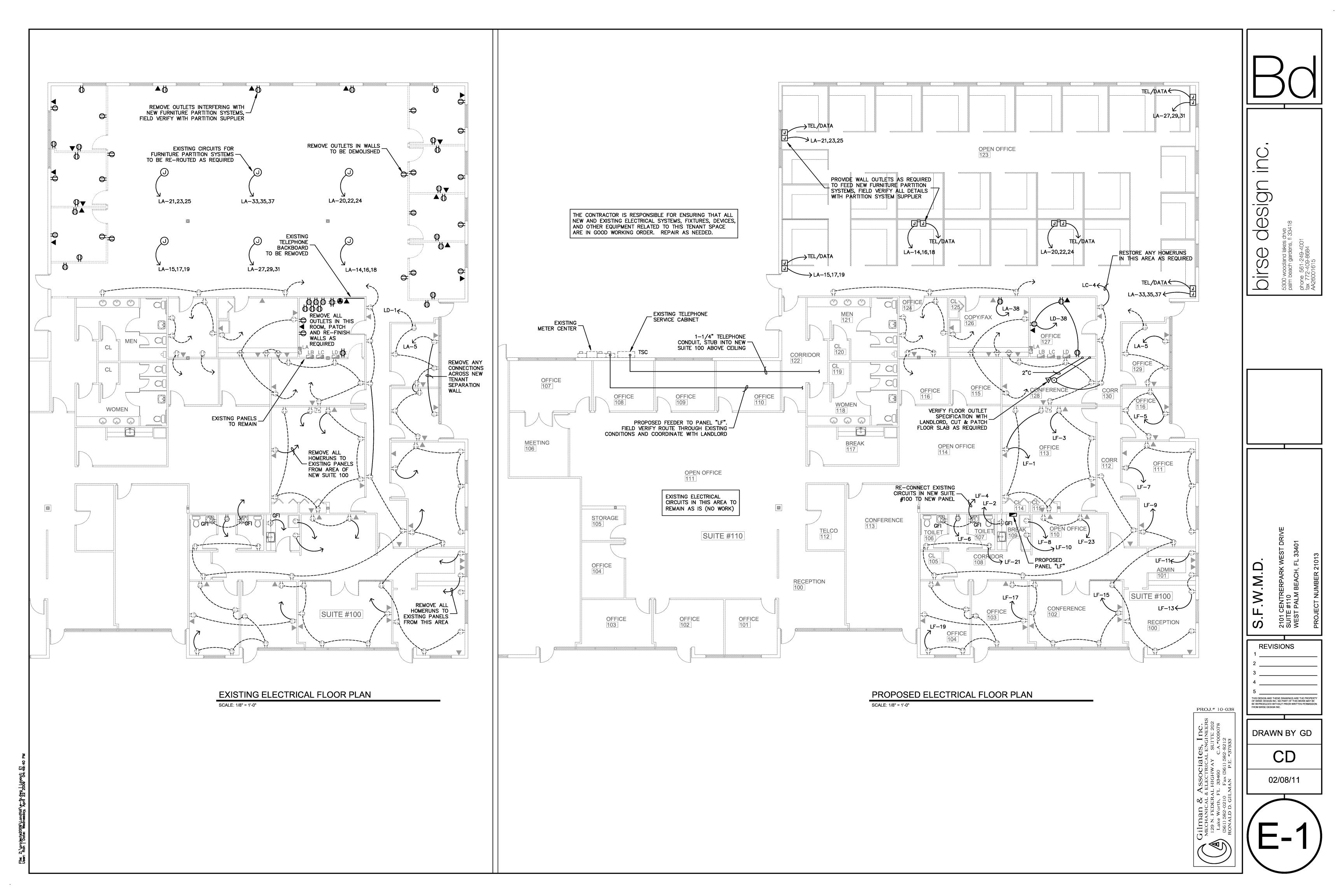
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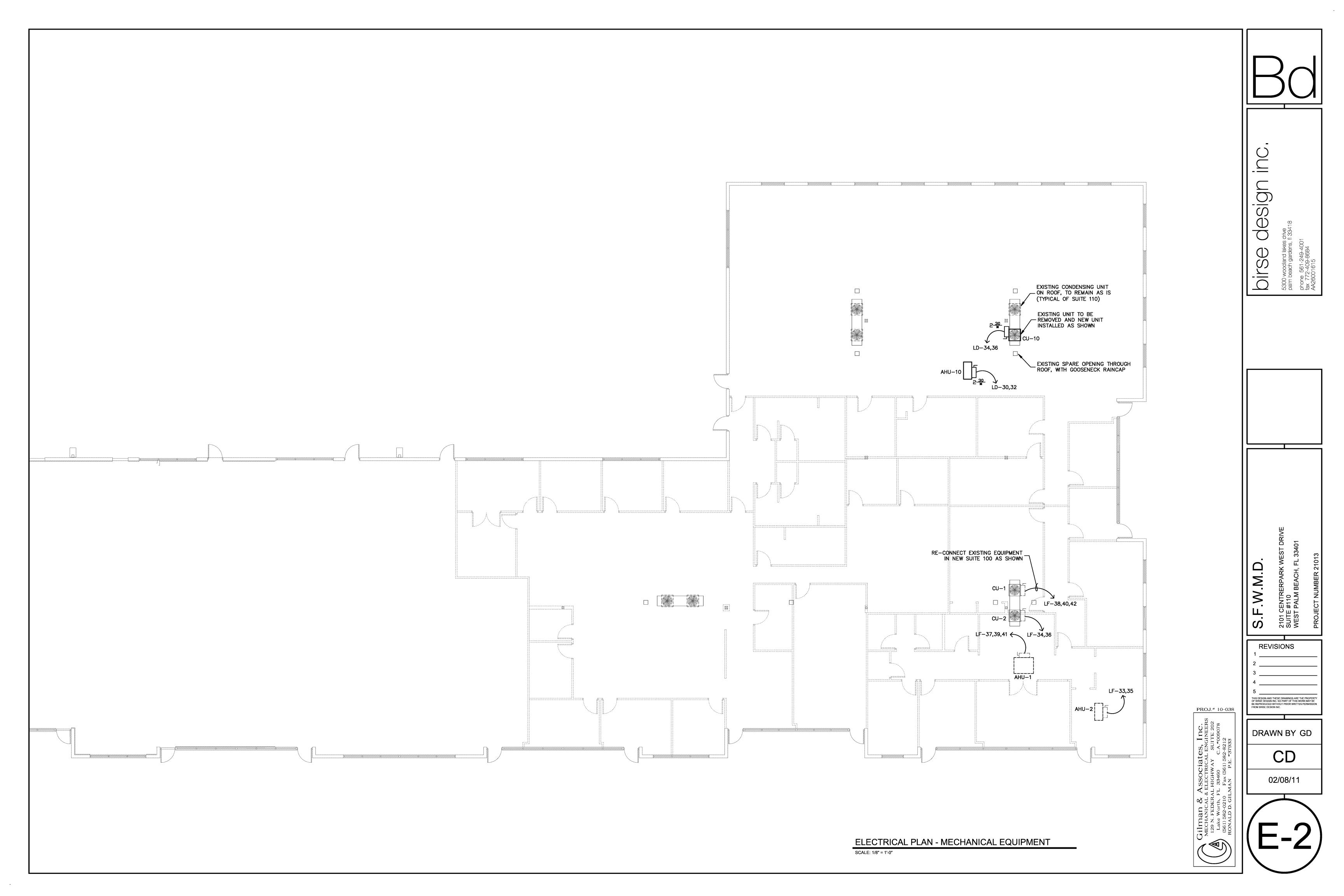
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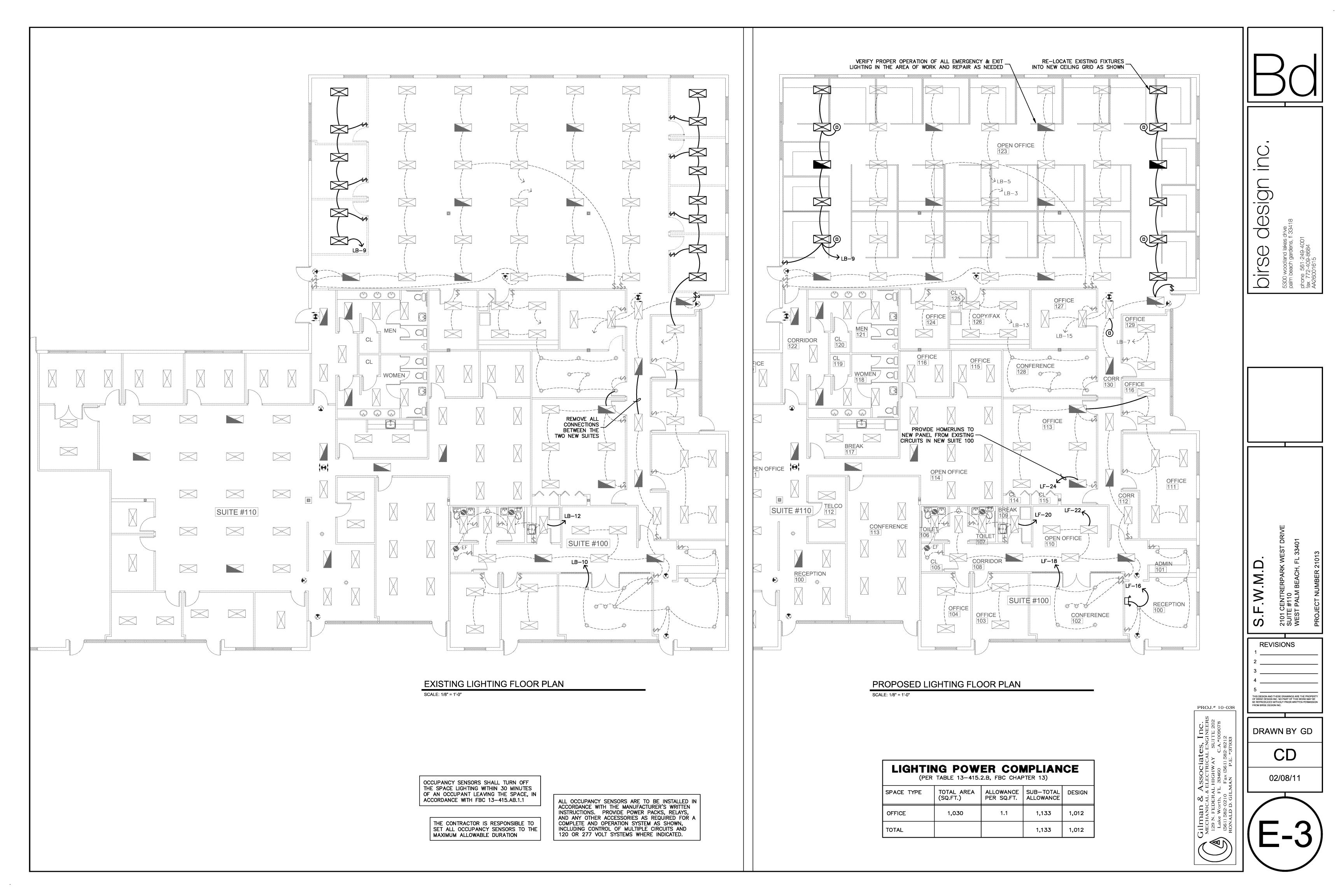
Ξ 2101 SUIT WES

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REVISIONS







EXISTING PANEL

	Sı 4	12			SPARE					A.I.C.	1	0K	
DEM. KVA	OTHER KVA	TRIP POLE			REMARKS	CKT.	CKT.		WIRE	DUIT	TRIP POLE	OTHER KVA	
		20-1			SPARE	1	2	Ь					
		20-1			SPARE	3	4	PANEL LD			100-3	19.5	
0.4		20-1	1/2	12	RECEPTACLES	5	6						
		20-1			SPARE	7	8	h					
0.7		20-1			RECEPTACLES	9	10	PANEL LC			100-3	23.3	4.3
					SPACE	11	12	Н					
					SPACE	13	14	PARTITION RECEPTACLES	12	1/2	20-1		1.1
0.5		20-1	1/2	12	PARTITION RECEPTACLES	15	16	PARTITION RECEPTACLES			20-1		1.1
0.5		20-1			PARTITION RECEPTACLES	17	18	PARTITION I.G. RECEPTS.			20-1		1.1
0.5		20-1			PARTITION I.G. RECEPTS.	19	20	PARTITION RECEPTACLES			20-1		1.1
0.9		20-1			PARTITION RECEPTACLES	21	22	PARTITION RECEPTACLES			20-1		1.1
0.9		20-1			PARTITION RECEPTACLES	23	24	PARTITION I.G. RECEPTS.	1	1	20-1		1.1
0.9		20-1			PARTITION I.G. RECEPTS.	25	26	SPACE		•			
0.7		20-1			PARTITION RECEPTACLES	27	28	SPARE			20-1		
0.7		20-1			PARTITION RECEPTACLES	29	30	SPARE			20-1		
0.7		20-1			PARTITION I.G. RECEPTS.	31	32	SPARE			20-1		
0.5		20-1			PARTITION RECEPTACLES	33	34	SPACE					
0.5		20-1			PARTITION RECEPTACLES	35	36	SPACE					
0.5		20-1	1	1	PARTITION I.G. RECEPTS.	37	38	COPY MACHINE	12	1/2	20-1	1.0	
					SPACE	39	40	SPACE					
					SPACE	41	42	SPACE					
8.9					FIRST 10 KVA GEN. RECEPT.	ACL F	ΙΟΑΓ): 10.0 KVA				43.8	10.9

EXISTING PANEL

	TYPE SERV	i C /ICE: 1		R HAM 8,3ø		CH	PANEI		LD			BUS: 2 RAL: F			
		NTING: F			,					1	MAINS	i L	.UGS 🛛	NLY	
	POLE		2							1	A.I.C.		0K		
	DEM. KVA	OTHER KVA		CON-		REMARKS	CKT.	CKT NO.		WIRE		TRIP POLE	OTHER KVA	DEM. KVA	
H		0.7	20-1			RECEPTACLES		2							1
		1	1				3	4				60-3	14.0		1
							5	6	1 1			000			19
							7		7	+					1
							9		CU-4			40-3	(8.5)		1
_						SPACE	11	12							1
							13		SPACE						1
							15		SPACE						┪
_							17		SPACE	+					1
_							19		SPACE						┪
							21		¬ SPARE			20-2			12
							23	24		+					\dashv
							25		SPARE			20-2			10
							27	28							1
_							29		¬ AHU−10	10	1/2	30-2	4.3		(5)
							31	32	1 1	1					1
				1		+	33		¬ CU-10	10	1/2	30-2	(3.5)		(5)
			20-1			SPARE	35	36		1					1
						SPACE	37	_	OFFICE 127 RECEPTACLES	12	1/2	20-1	0.5		(3)
_						SPACE	39		SPACE						1
						SPACE	41		SPACE						7
	_	0.7					1		-	-	•		18.8	_	7
	_	0.7				то	TAL DEMAND LOAD:	19.5	5 KVA = 54 AMPS				18.8	_	

EXISTING PANEL

⊢	POLE		42 	T · ·	Ι	I	I.		T	1			4.I.C.		.0K	
	DEM. K∨A	□THER KVA	TRIP POLE		WIRE	REMARKS		KT.	CKT.		REMARKS	WIRE	DUIT	TRIP POLE	OTHER KVA	DEM. KVA
						SPACE		1	2	SP	ACE					
)[1.4		20-1			LIGHTING		3	4							
)[1.4					LIGHTING		5	9							
)[0.2			1/2	12	LIGHTING		7	8							
	0.5			1/2	12	LIGHTING		9	10							
	1.0			1/2	12	LIGHTING		11	12							
	1.4					LIGHTING		13	14							
)[1.1		\ \	1/2	12	LIGHTING		15	16							
L						SPACE		17	18							
L								19	20	1	1					
L								21		SP				20-1		
L								23	24	SP	ACE					
L								25	26							
L						<u> </u>		27	28							
								29	30							
)[14.0	60-3			AHU-5		31	32							
L								33	34							
								35	36							
)[(8.5)	40-3			CU-5		37	38							
L							<u> </u>	39	40							
L						SPACE		41	42	1						
-	7.0	14.0									8.8 KVA				-	_

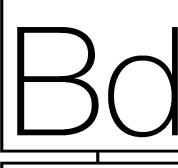
EXISTING PANEL

POLE	NTING: F ES: 4	12						MAINS: LUGS ONLY A.I.C. 10K					
DEM. KVA	OTHER KVA	TRIP POLE	WIRE	REMARKS	CKT.	CKT NO.		WIRE		TRIP POLE	OTHER KVA		
		20-1		SPARE	1	2	RECEPTACLES			20-1		1.1	
0.5				RECEPTACLES	3	4	RECEPTACLES	12	1/2	20-1		0.7	
0.4				RECEPTACLES	5	6	DRINKING FOUNTAIN			20-1	0.5		
1.0				COPY MACHINE	7	8	SPARE			30-2		0.7	
				SPARE	9	10							
					11	12	SPARE			20-1			
					13		SPARE			20-1			
					15		SPARE			20-1			
					17	18	SPACE						
				V	19	20	.						
0,4				RECEPTACLES	21		PANEL LB			100-3	22.8		
0,2		*		RECEPTACLES	53	24							
				SPACE	25	+	SPACE						
					27	28							
					29	30							
					31	35							
					33	34							
					35	36							
					37	38	 						
					39	40							
				<u> </u>	41	42					23.3		

PANEL SCHEDULES KEYNOTES

- 1 EXISTING CIRCUIT TO REMAIN AS IS.
- EXISTING CIRCUIT TO BE REMOVED FROM THIS PANEL.
- 3 EXISTING CIRCUIT TO BE MODIFIED AS SHOWN ON FLOOR PLAN.
- CONDENSING UNIT IS NON-COINCIDENT WITH AHU HEAT STRIP.
- 5 PROVIDE NEW CIRCUIT BREAKER, MATCH EXISTING BREAKERS.
- 6 RE-LOCATE CIRCUIT BREAKER FROM EXISTING PANEL "LC" TO NEW PANEL "LF".
- PROVIDE #10 SHARED NEUTRAL FOR MULTI-WIRE BRANCH CIRCUIT, WITH #12 PHASE CONDUCTORS, GROUND WIRE AND ISOLATED GROUND WIRE.

Ailman & Associates, Inc.
MECHANICAL & ELECTRICAL ENGINEERS
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Lake Worth, FL 33460 C.A.*009078
(561) 582-0210 Fax (561) 582-8212
RONALD D. GILMAN P.E. *37933



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2101 CENTRERPARK WE SUITE #110 WEST PALM BEACH, FL

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ELECTRICAL LEGEND LIGHTING FIXTURE IDENTIFICATION RECTANGULAR LIGHTING FIXTURE - AS NOTED RECTANGULAR LIGHTING FIXTURE - EXISTING AS NOTED O ROUND LIGHTING FIXTURE DIRECTIONAL LIGHTING FIXTURE WALL MOUNTED LIGHTING FIXTURE LINEAR STRIP LIGHTING FIXTURE EXIT LIGHT WITH EMERGENCY BATTERY BACKUP

DUAL-LITE LZ2 EMERGENCY LIGHTING FIXTURE WITH BATTERY BACKUP

RECTANGULAR LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP

ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP

DUPLEX RECEPT - 20 AMP (18" A.F.F.)

SINGLE RECEPT - 20 AMP (18" A.F.F.)

DUPLEX RECEPT MOUNTED ABOVE COUNTER - 20 AMP (42" A.F.F.)

SPECIAL PURPOSE RECEPT (18" A.F.F. - MATCH EQUIPMENT PROVIDED)

QUAD-PLEX RECEPT - 20 AMP (18" A.F.F.)

SINGLE POLE TOGGLE SWITCH, 48" AFF

\$3 3-WAY TOGGLE SWITCH, 48" AFF

 $\$_{ t D}$ SLIDE TYPE DIMMER SWITCH, WATTAGE AS REQUIRED, 48" AFF

JUNCTION BOXES

3100 T FUSIBLE DISCONNECT (SWITCH POLES, AMPS/FUSES AS SHOWN)

\$m MOTOR RATED SWITCH (WITH OVERLOADS)

ELECTRICAL PANELBOARD

MOTOR LOAD

CIRCUIT HOME RUN TO PANELBOARD OR OTHER DEVICE AS INDICATED

CONDUIT CONCEALED

> EXISTING CIRCUIT AS NOTED

E- CAPPED CONDUIT

TV TELEVISION OUTLET (18" A.F.F.)

▼ TELEPHONE/DATA OUTLET (18" A.F.F.)

TEL/DATA DUTLET FLUSH FLOOR MOUNTED

EXISTING DUPLEX RECEPTACLE DUTLET BOX TO REMAIN.

▼ EXISTING TELEPHONE/DATA DUTLET BOX TO REMAIN

E EXISTING DEVICE TO REMAIN, UNLESS NOTED OTHERWISE

R EXISTING DEVICE, RELOCATED AS SHOWN

D EXISTING DEVICE TO BE DEMOLISHED OR RELOCATED

O DCCUPANCY SENSOR WITH MANUAL SWITCH, HUBBELL LHMTS1, 48" AFF

CCUPANCY SENSOR, CEILING MOUNT, HUBBELL OMNI DT-2000

GENERAL DEMOLITION NOTES

TO BID TO DETERMINE ALL REQUIRED DEMOLITION.

CAUSE ANY DISRUPTION TO THESE OTHER SPACES.

OVER TO THE OWNER AT THE OWNER'S DISCRETION.

APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.

VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.

ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.

4. ALL CONDUITS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE

5. ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED

PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION, SO AS NOT TO

PROPERLY REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT, CONDUIT AND

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.

WIRING WHICH IS TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNERS

UNLESS OTHERWISE NOTED, ALL EQUIPMENT, WIRING DEVICES, LIGHT FIXTURES,

EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL

DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE

DEMOLITION WORK IS NOT SPECIFICALLY IDENTIFIED ON THESE PLANS, AND MAY

BE DESCRIBED ON THE ARCHITECTS PLANS. THE CONTRACTOR IS RESPONSIBLE FOR

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

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. DUTLET 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 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 FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECCESSARY 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
- 10. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE, 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.

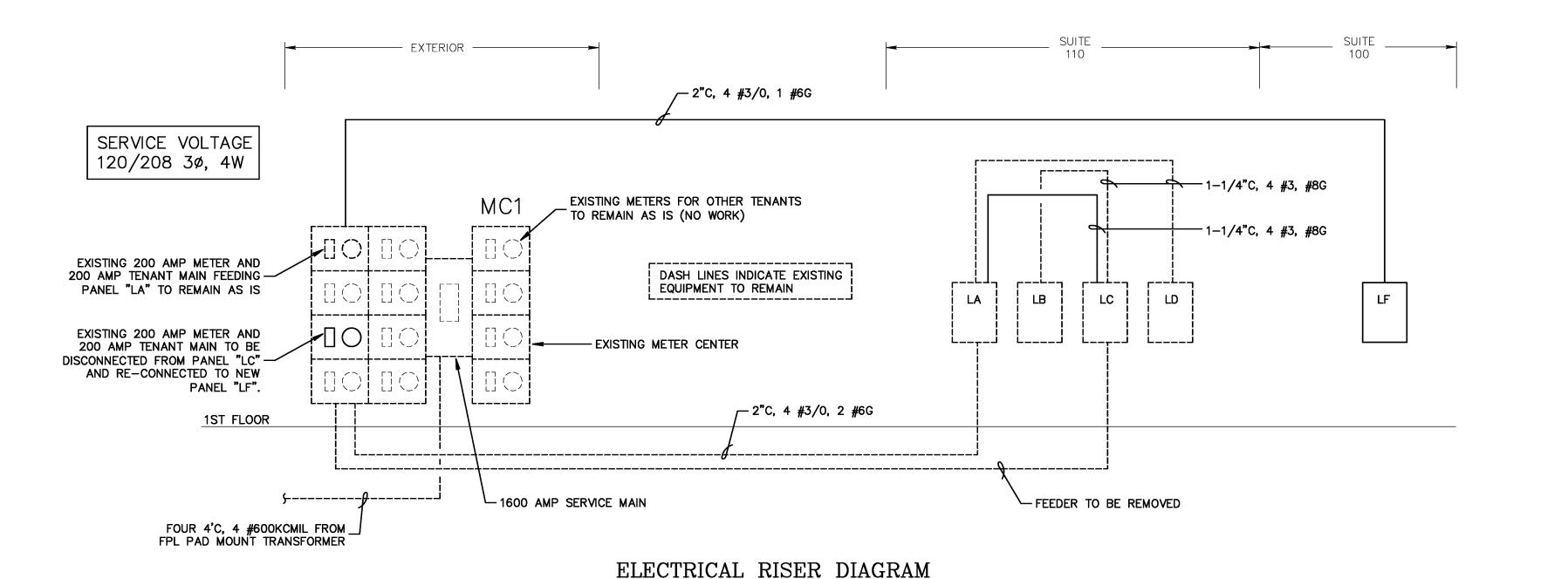
 16. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS
- OF POWER AND TELEPHONE COMPANIES.

 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. ALL WIRING IS TO BE IN CONDUIT, EXCEPT THAT METAL CLAD (MC) CABLES MAY BE USED FOR FINAL CONNECTIONS TO RECESSED LIGHTING FIXTURES AND 30 AMP MAXIMUM BRANCH CIRCUITS.

DEM. KVA	OTHER KVA			CON-		REMARKS	скт.	СКТ.	REMARKS	WIRE	CON-	TRIP POLE	□THER K∨A	DEM. KVA
KVA							ND.	ND.		<u> </u>				
	0.4	20-	-1	1/2	12	RECEPTACLES	1	_	APPLIANCE CKT. BREAK RM	. 12	1/2	20-1	1.5	
	1.1					RECEPTACLES	3		BATH RECEPTACLES		\vdash		0.4	
	0.7					RECEPTACLES	5		DRINKING FOUNTAIN		\vdash		0.5	
	0,9					RECEPTACLES	7	+-	REFRIGERATOR		\vdash		8.0	
	1.1					RECEPTACLES	9		VENDING		\vdash		0.8	
	0,2					RECEPTACLES	11		SPARE					
	0.4					RECEPTACLES	13		SPARE	+	\vdash			
	1.1					RECEPTACLES	15	_	LIGHTING	+	\vdash			0.6
	0.4					RECEPTACLES	17		LIGHTING		\vdash			1.1
	1.1					RECEPTACLES	19	+	LIGHTING	+ +	\vdash			0.6
	1.1			\perp		RECEPTACLES	21		LIGHTING	$+$ \perp	$\vdash \downarrow$			0.9
	0.4			<u> </u>	. .	RECEPTACLES	23	+	LIGHTING	₩	<u> </u>			1.1
						SPACE	25		SPARE					
						SPACE	27		SPARE					
						SPACE	29		SPARE					
	10.5	-	_	1		SPACE	31		SPARE	+-	2/4	T	/ F 2\	
	10.5	60-		1	6	AHU-2	33		Cn-5	8	3/4	50-2	(5.3)	(
							L ₃₅	36						
	14.0	-	_	1	6	ALUL 4	37	38		+	2/4	50-3	(11,2)	
	14,0	60-	-3	1	В	AHU-1	39	40		8	3/4	30-3	(11.2)	1
	33,4						<u> </u>	42	<u> </u>				4.0	4,3

(SEE SHEET E-4 FOR PANEL SCHEDULE KEYNOTES)



SCALE: NONE

ELECTRICAL DETAILS & NOTES

Gilman & Associates, Ir MECHANICAL & ELECTRICAL ENGIN 129 N. FEDERAL HIGHWAY SUITE Lake Worth, FL 33460 C.A.*006 (561) 582-0210 Fax (561) 582-8212 RONALD D. GILMAN P.E. *37933

PROJ.# 10-038

SOBSIGN IN lakes drive lakes drive lakes drive lakes drive lakes are f. 33418

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S.F.W.M.D.
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