birse design inc + architecture + interior design + planning

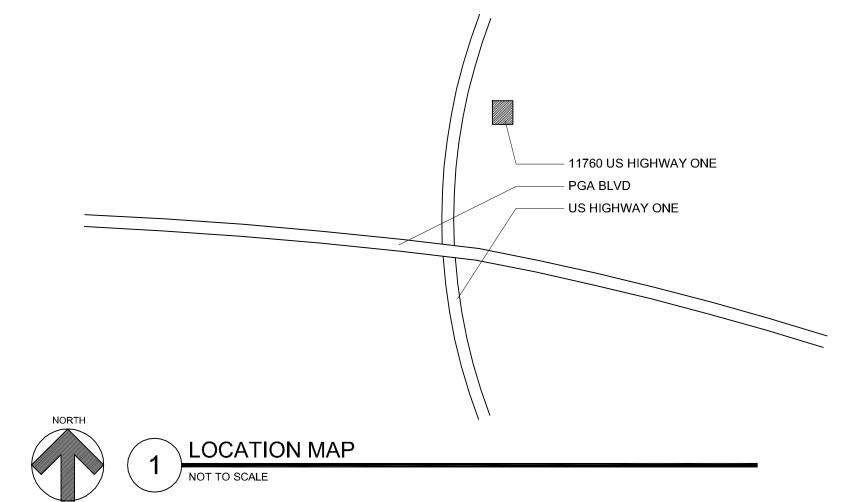
5300 woodland lakes drive palm beach gardens, fl 33418

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



INDEX OF SHEETS:

TITLE SHEET

ARCHITECTURAL SHEETS

FLOOR PLANS

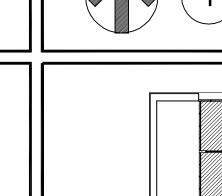
DETAILS

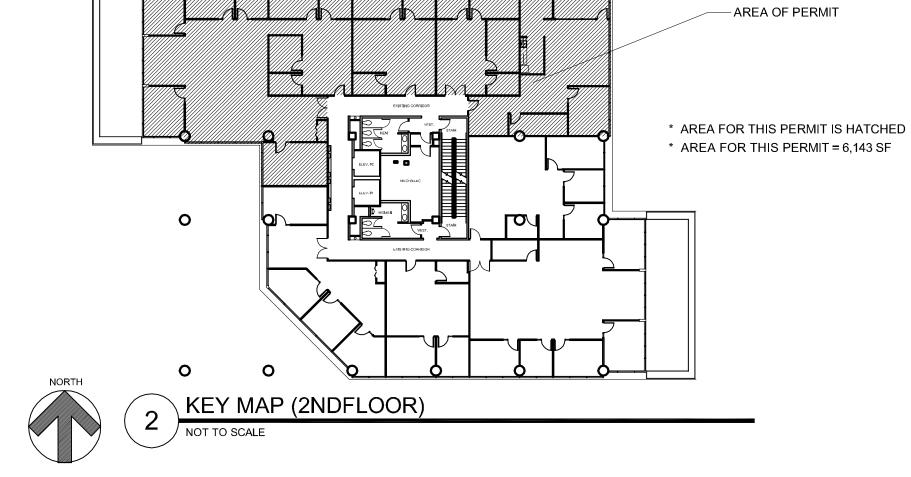
MECHANICAL/ELECTRICAL/PLUMBING SHEETS

ELECTRICAL PLANS

MECHANICAL PLANS

LIGHTING PLANS





SYMBOL INDEX:

- ROOM NAME

- DOOR MARK/NUMBER

- WINDOW MARK/NUMBER

- WALL SECTION/SHEET NUMBER

- ROOM NUMBER

- BUILDING SECTION/SHEET NUMBER

- ELEVATION TARGET/SHEET NUMBER

DETAIL NUMBER/SHEET NUMBER

CEILING HEIGHT

- FIRE EXTINGUISHER

- 2'x4' FLUORESCENT LIGHT FIXTURE

RECESSED LIGHT DOWN FIXTURE

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WALL MOUNTED LIGHT FIXTURE

PROJECT DATA:

* PROJECT ADDRESS: GOLDEN BEAR PLAZA 11770 US HIGHWAY ONE #202E PALM BEACH GARDENS, FL 33408

* EXISTING BUILDING IS TYPE I "B"

* EXISTING BUILDING IS A 6 STORY BUILDING

* EXISTING BUILDING CLASSIFICATION IS GROUP "B"

* LEVEL 2 ALTERATION PER "EXISTING BUILDING CODE 2007"

* 2ND FLOOR IS A MULTI TENANT FLOOR

* SUITES #202E, 204E, 206E, 208E AND 210E WILL COMBINE TO CREATE ONE TENANT SPACE

* THE NEW SUITE WILL BE DESIGNATED #202E

* EXISTING SUITE #202E = 2,311 SF

* EXISTING SUITE #204E = 878 SF * EXISTING SUITE #206E = 875 SF

* EXISTING SUITE #208E = 878 SF

* EXISTING SUITE #210E = 1,471 SF

* TOTAL NEW SUITE = 6,143 SF/100 = 64 OCCUPANTS * DESIGN OCCUPANT LOAD = 64 OCCUPANTS

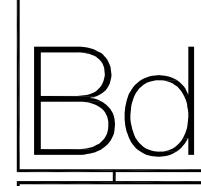
PROJECT NOTES:

REFERENCE STANDARDS:

- THIS PROJECT IS DESIGNED IN ACCORDANCE WITHE 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 4. 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.
- 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 TO COMMENCING CONSTRUCTION.
- 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.
- . 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



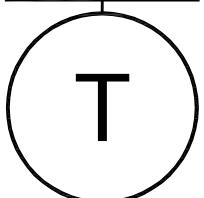
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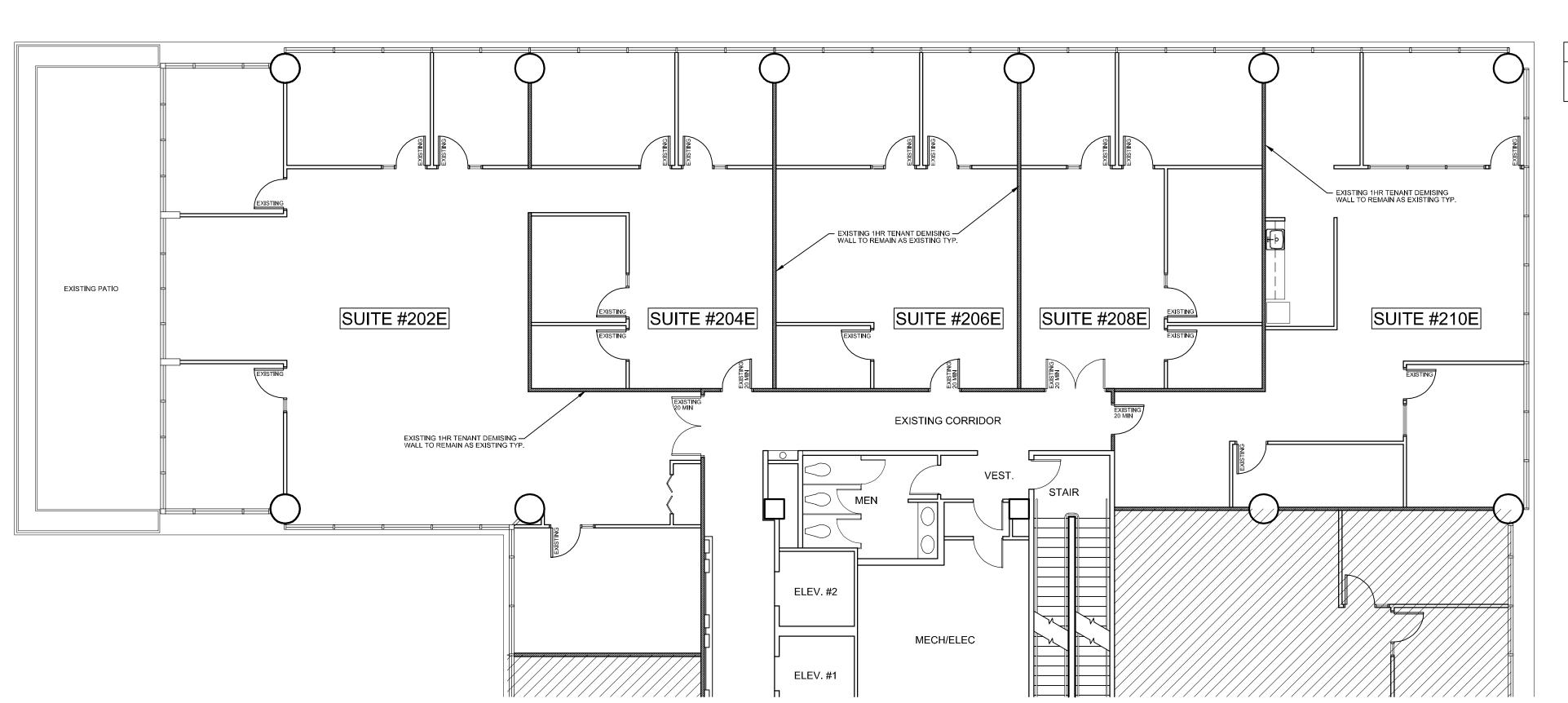
REVISIONS

OM BIRSE DESIGNING.

DRAWN BY ASB

04/21/11





WALL LEGEND EXIST PARTITION EXIST 1 HR PARTITION

WALL LEGEND

EXIST PARTITION ː ː ː ː ː ː EXIST WALLS TO BE DEMO'D 1. ALL WALLS/DOORS/WINDOWS ARE EXISTING AS PER EXSITING FLOOR PLAN 1/A-1

2. TOILET ROOMS ARE EXISTING IN COMMON AREA CORRIDOR AS PER FLOOR PLAN 1/A-1

3. DRINKING FOUNTAIN IS EXISTING IN COMMON AREA CORRIDOR AS PER FLOOR PLAN 1/A-1

EXISTING NOTES

→DEMO OPENING TYP. PROVIDE HEADER @ 8'-6" DEMO DOORS/WALLS TYP. SUITE #202E SUITE #204E SUITE #206E SUITE #208E SUITE #210E #====== EXISTING CORRIDOR ELEV. #2 MECH/ELEC ELEV. #1

1. DEMO WALLS/DOORS AS PER DEMO FLOOR PLAN 3/A-1. STORE ALL DOORS FOR REUSE

2. REMOVE ALL ELECTRICAL/DATA WIRING FROM DEMO'D WALLS, CAP BACK TO FIRST JUNCTION BOX 3. REMOVE ALL ELECTRICAL/DATA WIRING FROM DEMO'D CEILINGS, CAP BACK TO FIRST JUNCTION BOX

* STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL COMPLY WITH NFPA 241 * ACCUMULATIONS OF COMBUSTABLE WASTE AND DUST DEBRIS SHALL BE REMOVED FROM THE STRUCTURE

AND IT'S IMMEDIATE VICINITY AT THE END OF THE SHIFT OR MORE FREQUENTLY AS NECESSARY FOR SAFE OPERATIONS

* EXIT AND ACCESS CORRIDORS ARE TO BE MAINTAINED AND REMAIN CLEAR AND UNOBSTRUCTED

* THE MAIN BUILDINGS FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED AND OPERATIONAL AT ALL TIMES

DEMO NOTES



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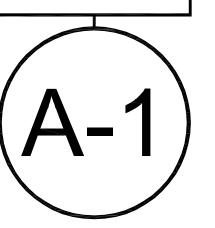
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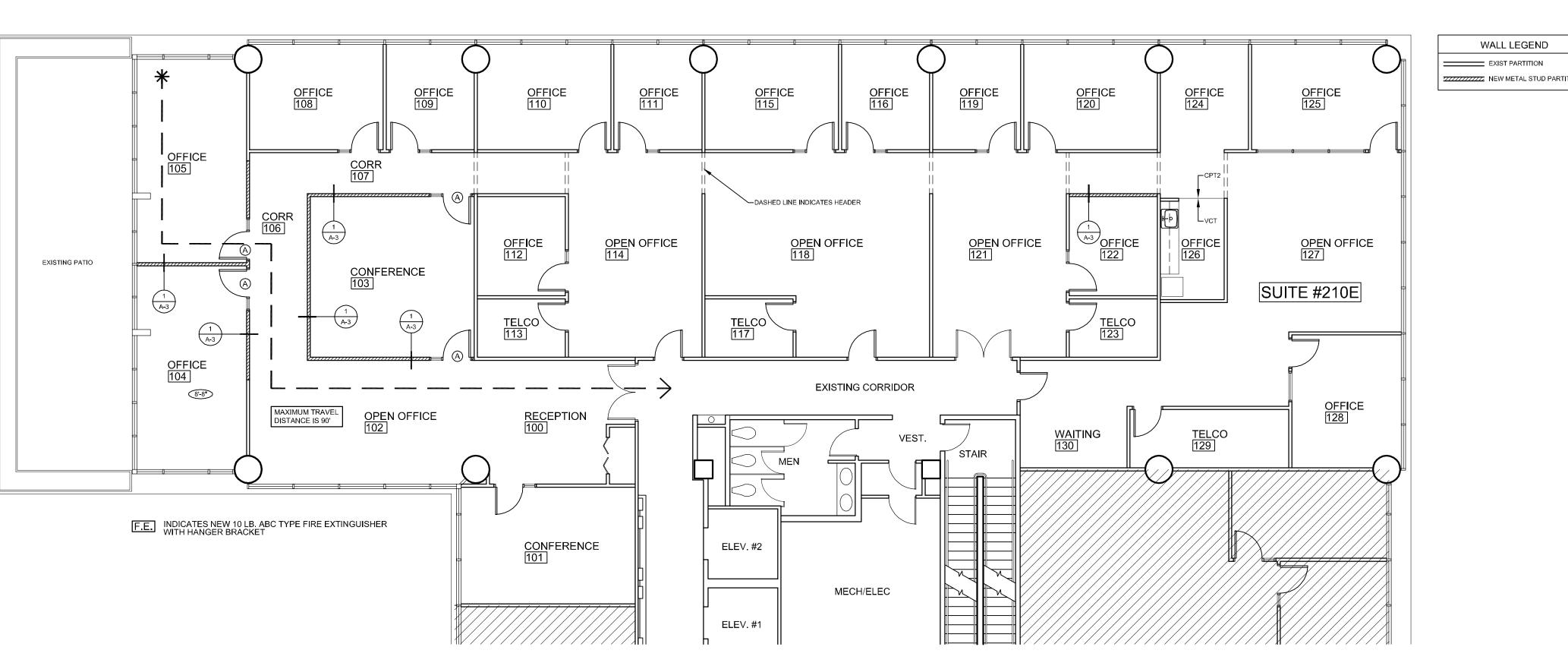
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(DEMO) FLOOR PLAN

(EXISTING) FLOOR PLAN

1/8" = 1'-0"



NEW METAL STUD PARTITION

1. PROVIDE NEW PARTITIONS AND NEW DOOR AS INDICATED IN 1/A-2

2. ALL NEW PARTITIONS AND DOOR FRAMES TO BE PAINTED

3. PROVIDE NEW FLOORING THROUGHOUT SUITE

4. TOUCH UP ALL EXISTING DOORS AS NECESSARY/PAINT BI-FOLD DOORS IN RECEPTION

5. PROVIDE ALTERNATE PRICING TO PAINT ALL EXISTING WALLS AND DOOR FRAMES

PROPOSED NOTES

WALL LEGEND

EXIST PARTITION NEW METAL STUD PARTITION

4. ALL NEW CEILING HEIGHT TO MATCH EXISTING

design

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MEN ELEV. #2

ELEV. #1

MECH/ELEC

1. PROVIDE NEW CEILING GRID/LIGHTS AS PER PROPOSED CEILING PLAN 2/A-2

2. EXTEND EXISTING CEILING GRID AS REQUIRED

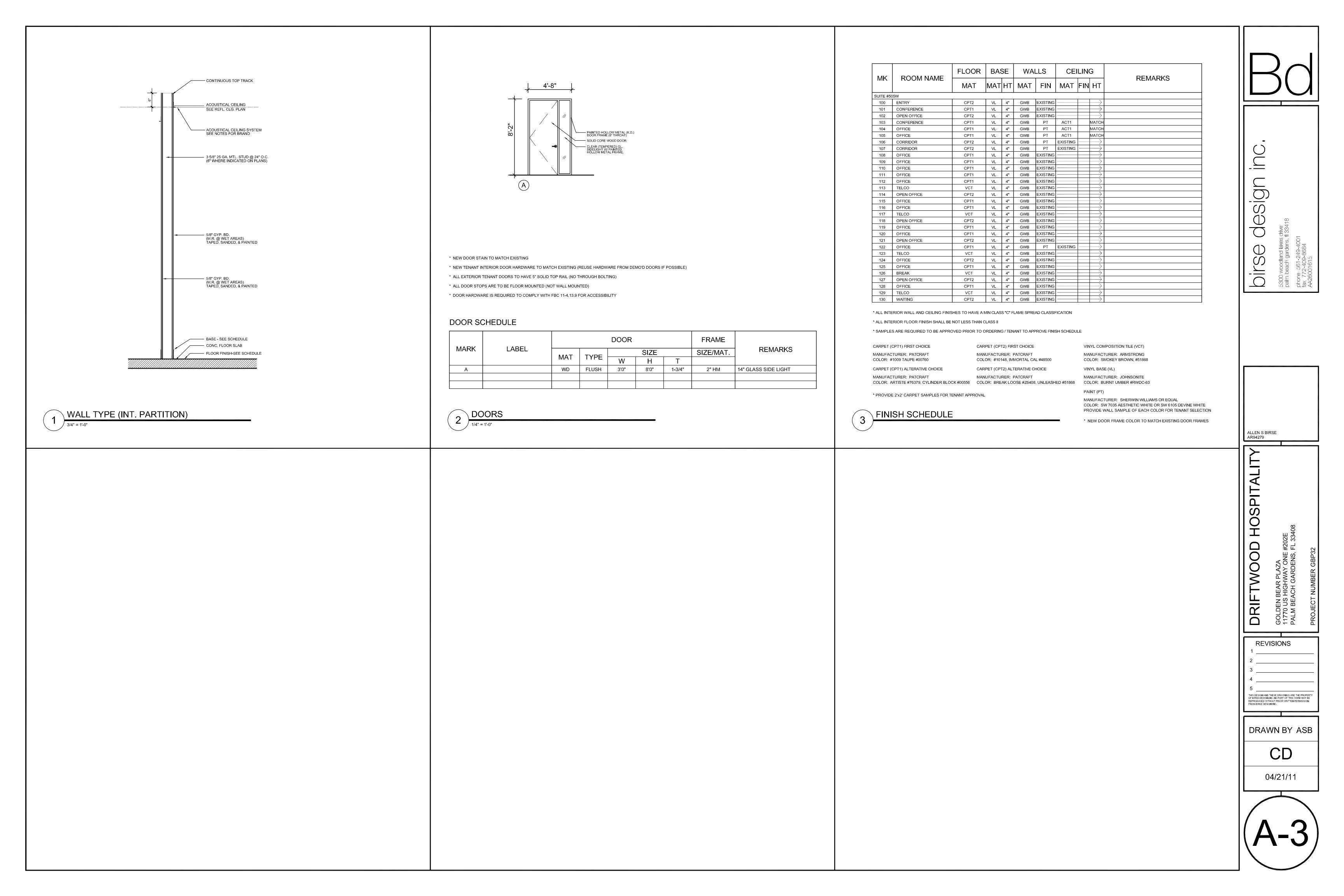
3. NEW CEILING TILES TO MATCH EXISTING (ACT1)

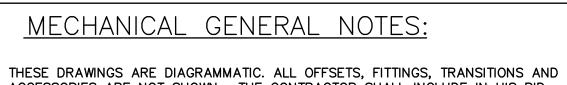
CEILING NOTES

(PROPOSED) CEILING PLAN

(PROPOSED) FLOOR PLAN

1/8" = 1'-0"



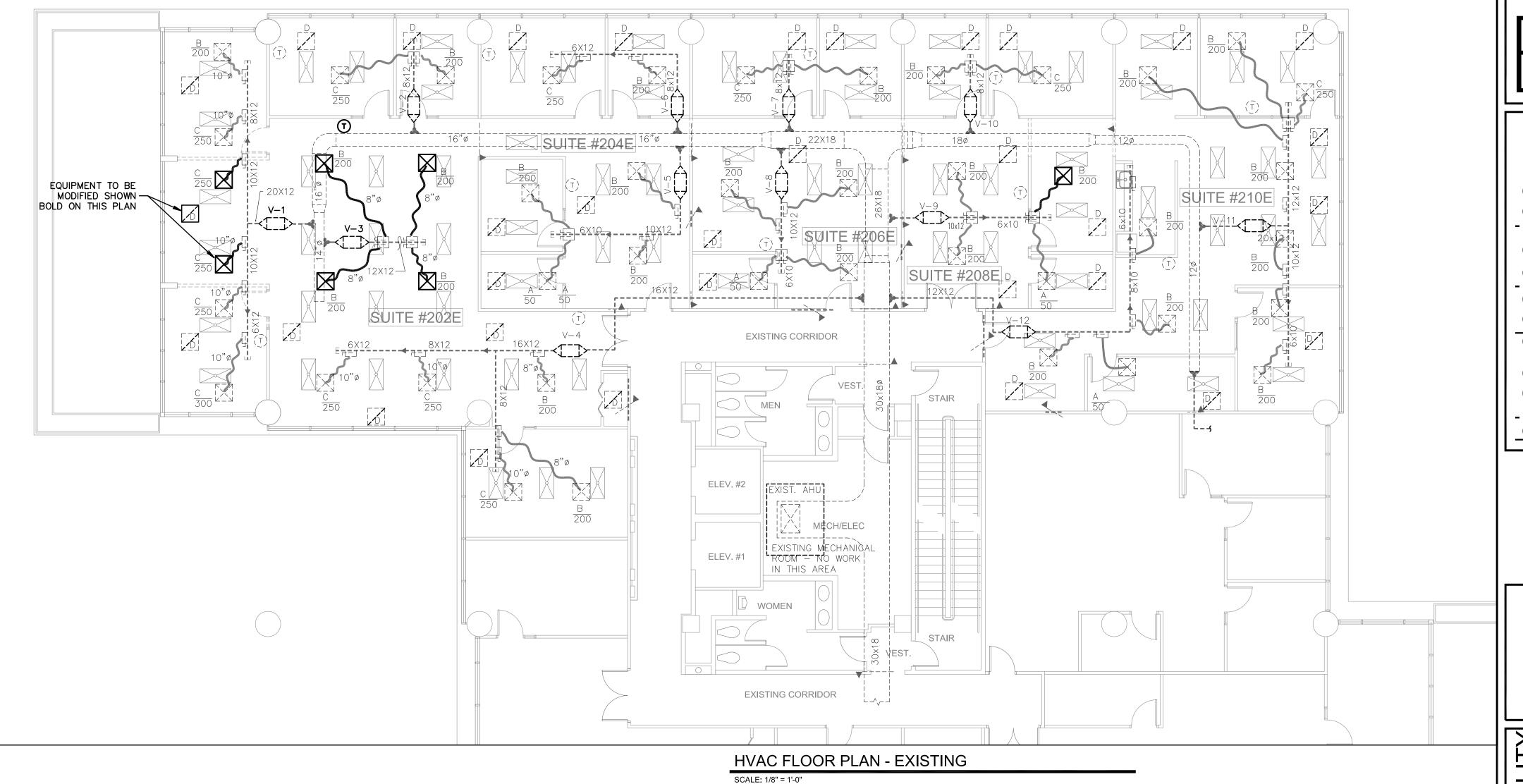


- ACCESSORIES ARE NOT SHOWN. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL ITEMS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. DO NOT SCALE DRAWINGS FOR INSTALLATION.
- 2. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER BY LICENSED CONTRACTORS.
- 3. THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL NECESSARY FEES PERMITS, AND TESTS.
- 4. ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. NO CONTRACTOR SHALL BID UNLESS FAMILIAR WITH THESE CODES.
- 5. 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.
- 7. 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.
- 8. EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE.
- 9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READLY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.
- 10. COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
- 11. FLEXIBLE DUCT, WHERE SHOWN, SHALL BE U.L. CLASS 1, R-6 INSULATION.
- 12. VERIFY ALL THERMOSTAT LOCATIONS WITH THE LANDLORD.

HVAC PROJECT SPECIFIC NOTES

CONTRACTOR IS TO INSPECT ALL EXISTING DUCTWORK SHOWN ON THESE PLANS AS REMAINING. REPAIR AS REQUIRED ANY DAMAGED DUCTWORK OR INSULATION. WHERE DUCTWORK IS SHOWN TO BE PARTIALLY REMOVED, CAP, SEAL, AND INSULATE TO MATCH EXISTING METHODS AND MATERIALS.

EXISTING VAV UNITS WHICH ARE REMAINING ARE TO BE INSPECTED, ADJUSTED AND REPAIRED WHERE NECESSARY.



ABBREVIATIONS

VAV VARIABLE AIR VOLUME S/A SUPPLY AIR

A SUPPLY AIR

A RETURN AIR

O/A OUTSIDE AIR

A EXHAUST AIR

M CUBIC FEET PER MINUTE.

MANUAL VOLUME DAMPER (OPPOSED BLADE TYPE).

D FIRE DAMPER

EXISTING TO REMAIN

RE-LOCATED EXISTING EQUIPMENT

SYMBOL LEGEND

EQUIPMENT TO REMAIN

EQUIPMENT AS NOTED

SUPPLY AIR DIFFUSER TO REMAIN

RETURN/TRANSFER GRILLE TO REMAIN

SUPPLY AIR DIFFUSER AS NOTED

RETURN/TRANSFER GRILLE AS NOTED

DUCTWORK AS NOTEDEXISTING DUCTWORK TO REMAIN

OVERTIME A/C KEYPAD

TYPE B FIRE DAMPER W/ACCESS DOOR.

MANUAL VOLUME DAMPER

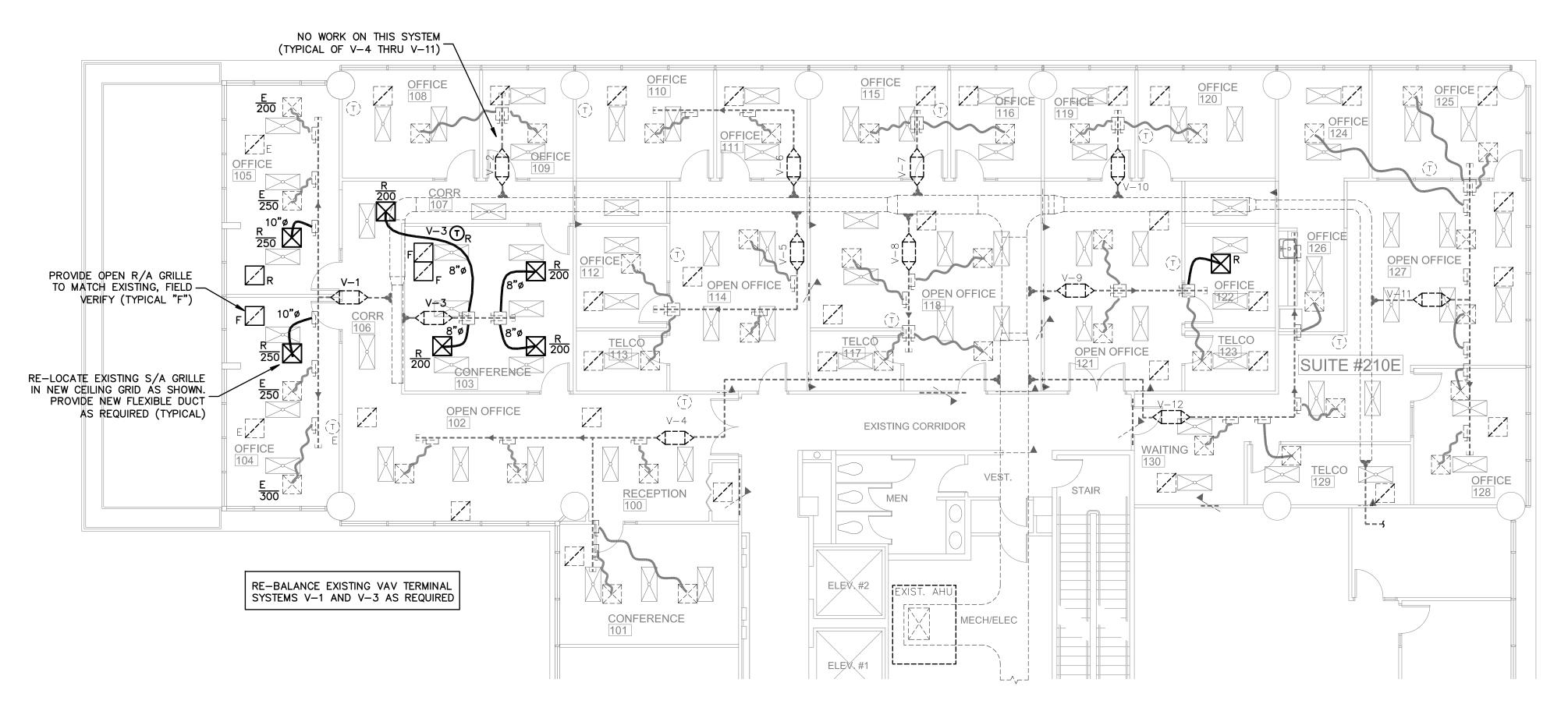
(T) THERMOSTAT TO REMAIN

THERMOSTAT AS NOTED

FLEXIBLE DUCT, U.L. CLASS 1

DUCT TRANSITION

CONNECTION TO EXISTING EQUIPMENT



HVAC FLOOR PLAN - PROPOSED

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

<u>S</u>

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5

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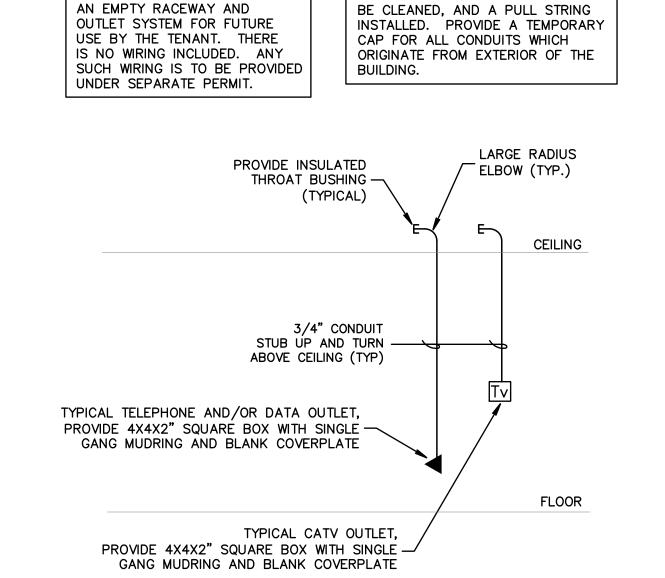
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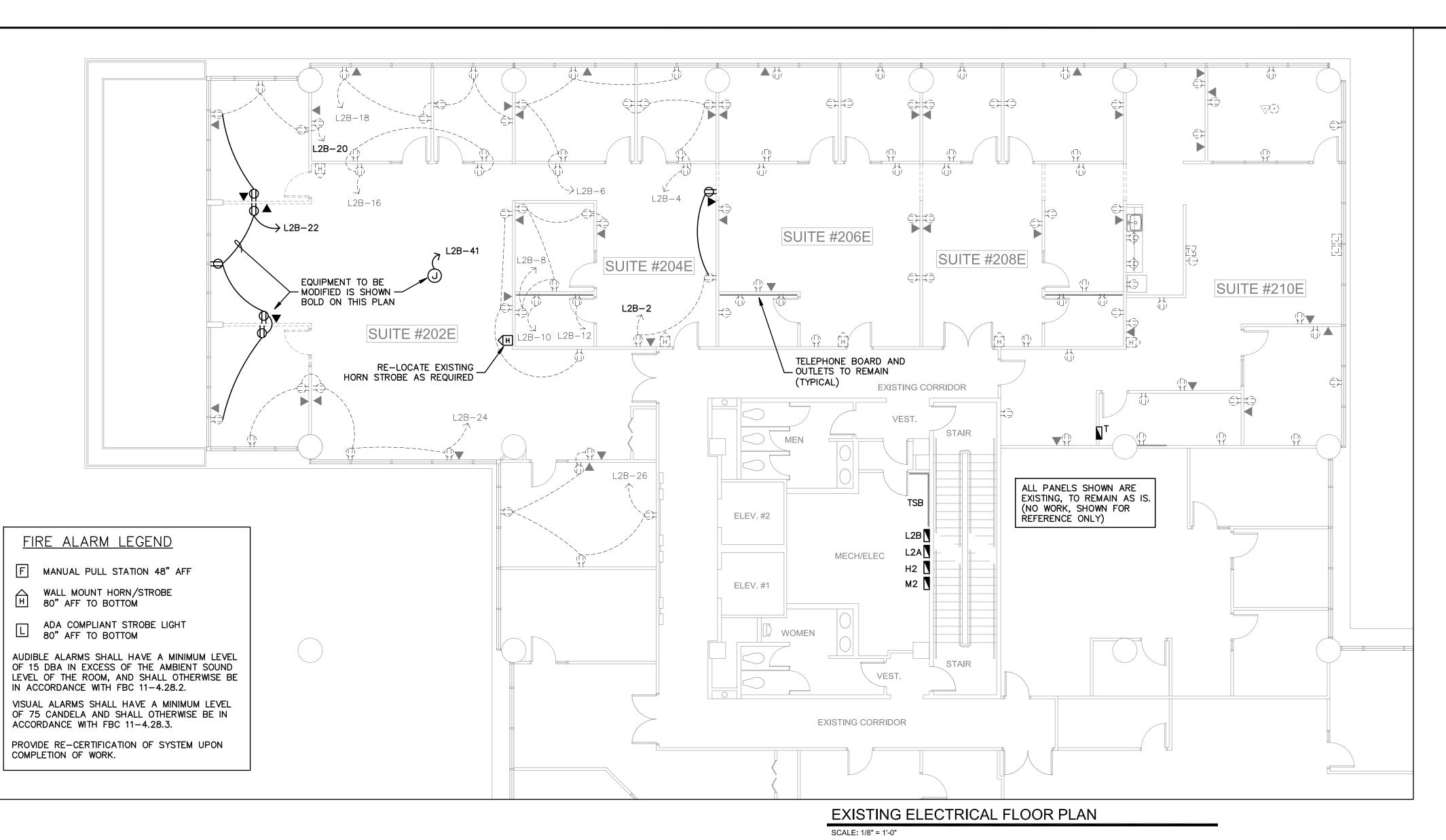


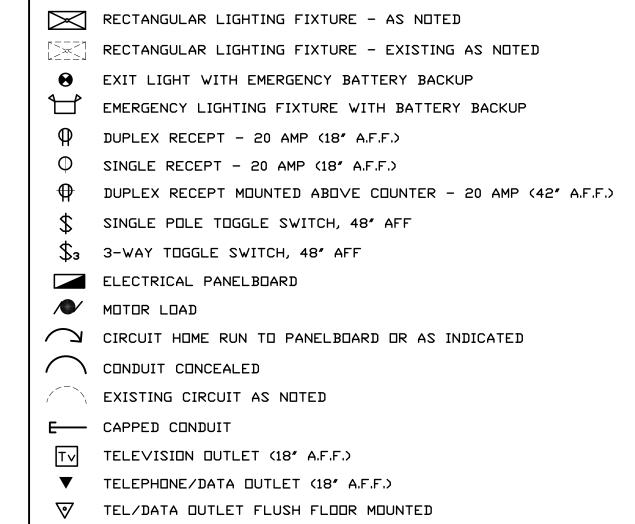


ALL EMPTY RACEWAYS ARE TO

THESE DRAWINGS PROVIDE

COMMUNICATIONS OUTLETS DETAIL NO SCALE





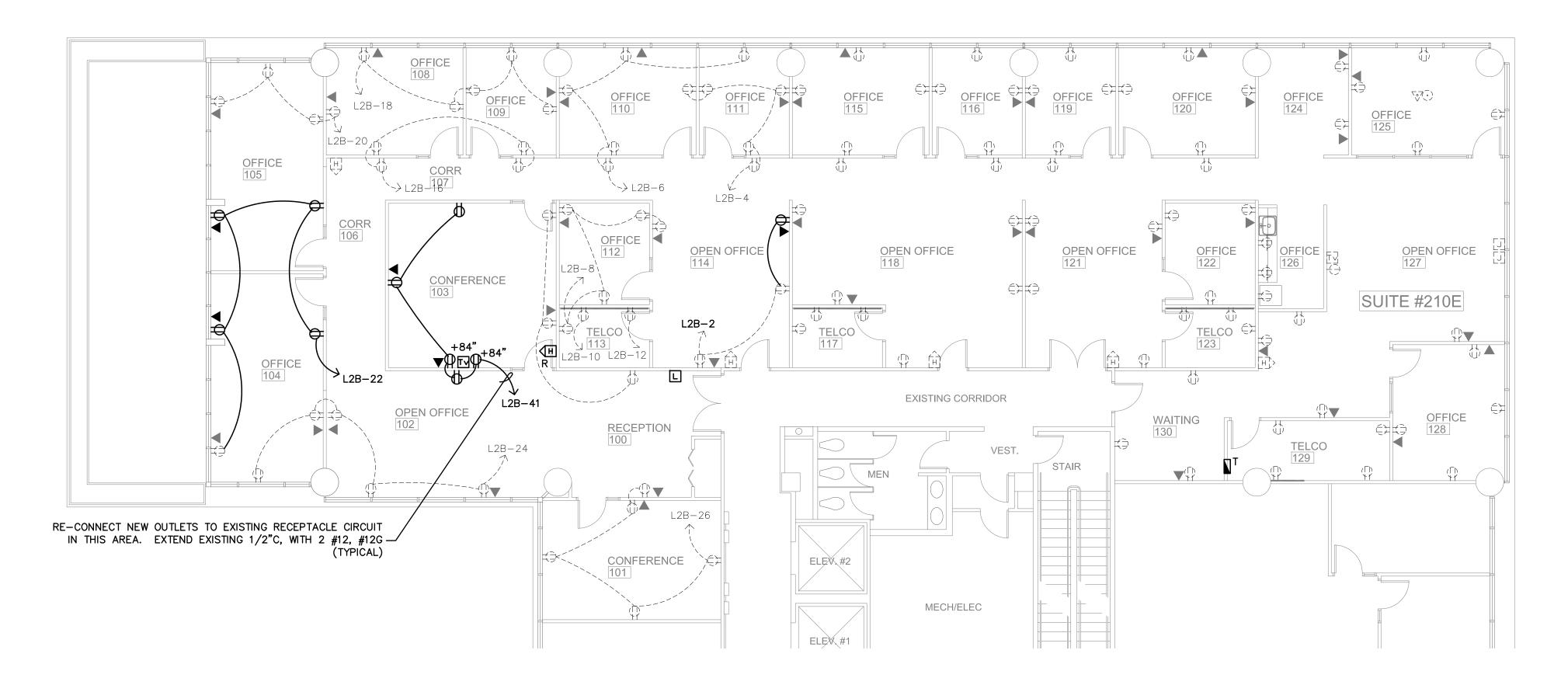
EXISTING DUPLEX RECEPTACLE TO REMAIN.

▼ EXISTING TELEPHONE/DATA OUTLET TO REMAIN

R EXISTING DEVICE, RELOCATED AS SHOWN

E EXISTING DEVICE TO REMAIN, UNLESS NOTED OTHERWISE

ELECTRICAL LEGEND



PROPOSED ELECTRICAL FLOOR PLAN

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

DRIFTWOOD HOSPITAL REVISIONS DRAWN BY DR 03-29-11

- 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.
- 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.
- 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.
- 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.

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	1,040	1.1	1,144	935
CONFERENCE	330	1.3	429	510
CORRIDOR	290	0.5	145	340
RECEPTION	226	1.3	294	170
TOTALS			2,012	1,955

(ABOVE REFLECTS MODIFIED AREAS ONLY)

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 OPERATION SYSTEM AS SHOWN, INCLUDING CONTROL OF MULTIPLE CIRCUITS AND 120 OR 277 VOLT SYSTEMS WHERE INDICATED.

> OCCUPANCY SENSORS SHALL TURN OFF THE SPACE LIGHTING WITHIN 30 MINUTES OF AN OCCUPANT LEAVING THE SPACE, IN ACCORDANCE WITH FBC 13-415.AB.1.1

THE CONTRACTOR IS RESPONSIBLE TO SET ALL OCCUPANCY SENSORS TO THE MAXIMUM ALLOWABLE DURATION

OCCUPANCY SENSOR LEGEND (HUBBELL)

ELECTRICAL GENERAL NOTES

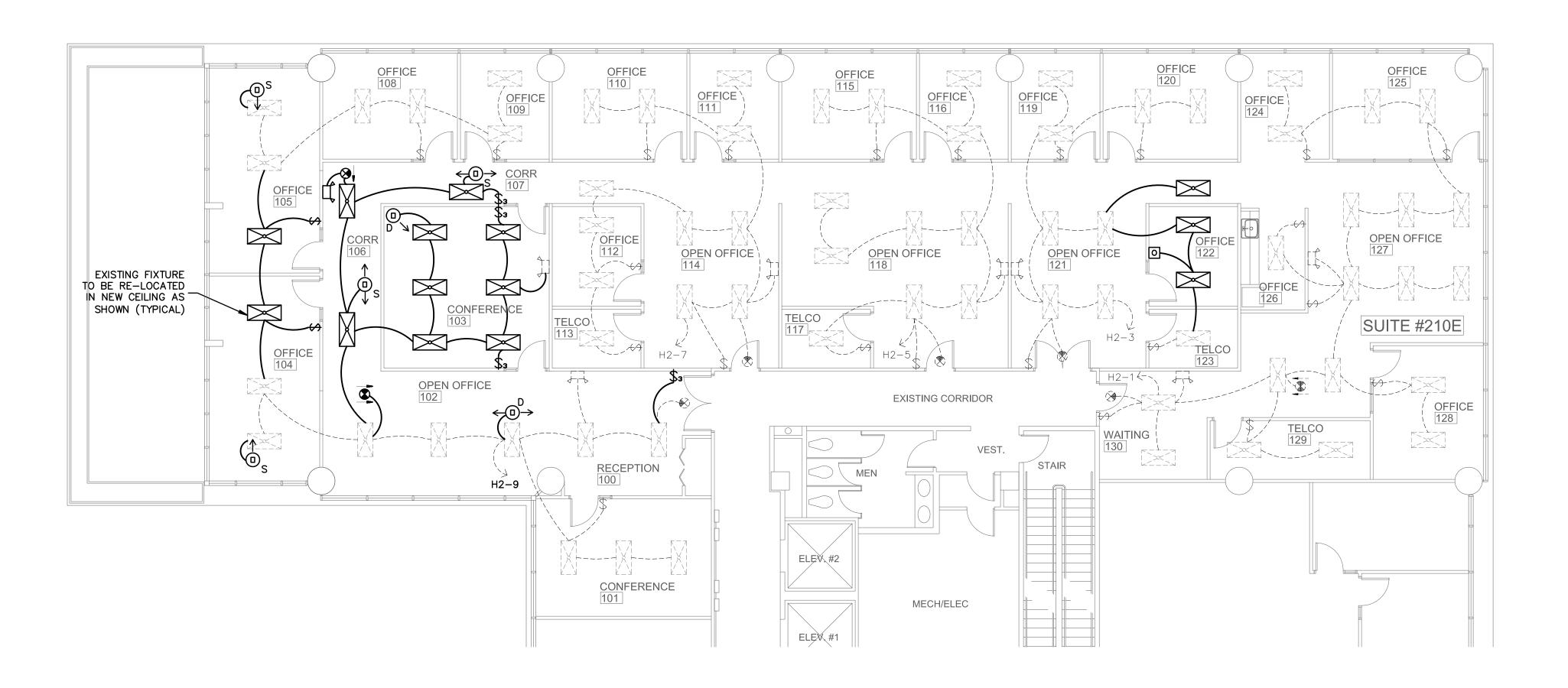
- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNERS REPRESENTATIVE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE NFPA-70 (2008), THE LIFE SAFETY CODE NFPA-101 (2006), THE NATIONAL FIRE ALARM CODE NFPA-72 (2002), AND THE FLORIDA BUILDING CODE (FBC 2007 WITH 2009 SUPPLEMENTS)
- 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.
- DISCONNECT SWITCHES SHALL BE H.P. RATED , HEAVY DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.

IN EACH HOT LEG.

- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC , WITH OVERLOAD RELAYS
- 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 RE-QUIREMENTS NECCESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING
- ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS
- ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- 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.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGESS OF CONSTRUCTION.

REQUIRED BY THE LATEST EDITION OF THE N.E.C.

- 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.
- 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.



O LHMTS1 WALL BOX

□→ OMNI-US1000 \leftarrow □ → OMNI-US2000 □→ OMNI-DT1000

 $\leftarrow \square \rightarrow \text{OMNI-DT2000}$

SPIT, 9 **LWOOD**

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