# RENOVATIONS TO THE EXISTING HAIR SALON/ TENET SPACE

507 N. Olive Ave. WEST PALM BEACH, FLORIDA

(ALTERATION-LEVEL 2)

# **AREA CALCULATIONS**

EXISTING FLOOR AREA TO REMAIN

# SHEET INDEX

A1.0 COVER SHEET

DEMO PLAN, FLOOR PLAN, SYMBOL PLAN, CEILING PLAN

DETAILS

PLUMBING

E1.01 POWER PLAN E2.01 LIGHTING PLAN

MECHANICAL

P1.01

LOCATION MAP

NOT TO SCALE

# **PROJECT TEAM**

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# SCOPE OF WORK

RENOVATE EXISTING TENET SPACE (ALTERATION-LEVEL 2)

## **GENERAL NOTES:**

- 01. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE
- 02. VISIT THE SITE BEFORE DETERMINING THE CHARACTERISTICS OF THE EXISTING FACILITIES WHICH WILL AFFECT PERFORMANCE OF THE WORK, BUT WHICH ARE NOT SHOWN ON THE DRAWINGS OR THE SPECIFICATIONS.
- 03. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AS THE WORK PROGRESSES AND SHALL REPORT ANY INCONSISTENCIES WITH THE CONSTRUCTION DOCUMENTS TO THE ARCHITECT BEFORE CONTINUING WORK.
- 04. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER, COMPLETE, IN PLACE AND READY FOR USE.
- 05. ALL AREAS AFFECTED BY THE WORK SHALL BE PATCHED TO MATCH EXISTING.
- 06. SPACE HAS EXISTING FIRE SPRINKLER SYSTEM
- 07. TYPE 3 CONSTRUCTION
- 08. BUSINESS GROUP B OCCUPANCY
- 09. OCCUPANCY = 20 MAX PEOPLE
- 10. TABLE 1005.1 EGRESS WIDTH PER OCCUPANT SERVED (INCHES PER OCCUPANT) = 0.2 IN.
- 11. TRAVEL DISTANCE LESS THAN 75'-0"

a rchitectural consultants

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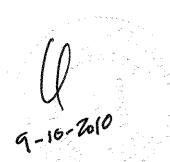
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**REV # DATE DESCRIPTION** 

SEAL

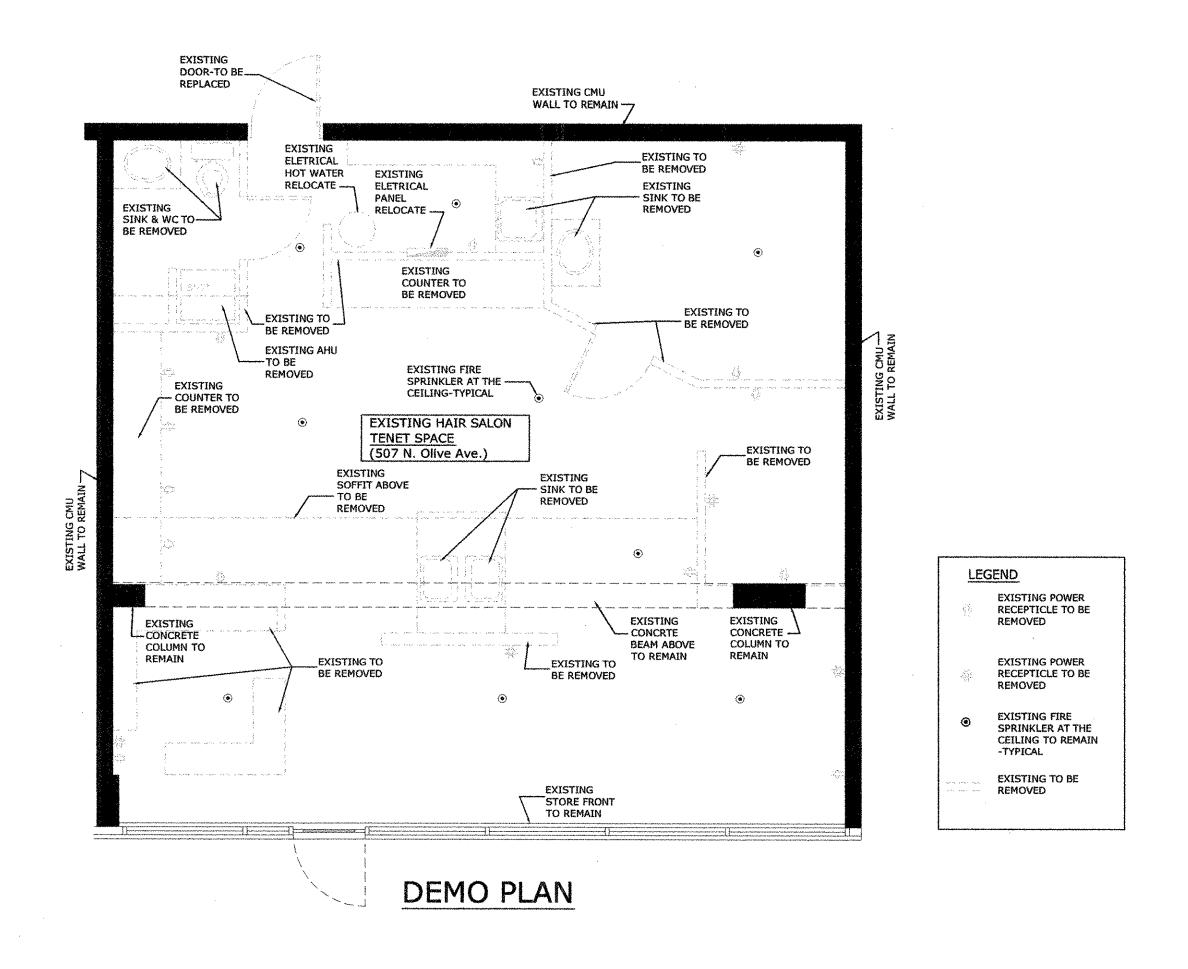


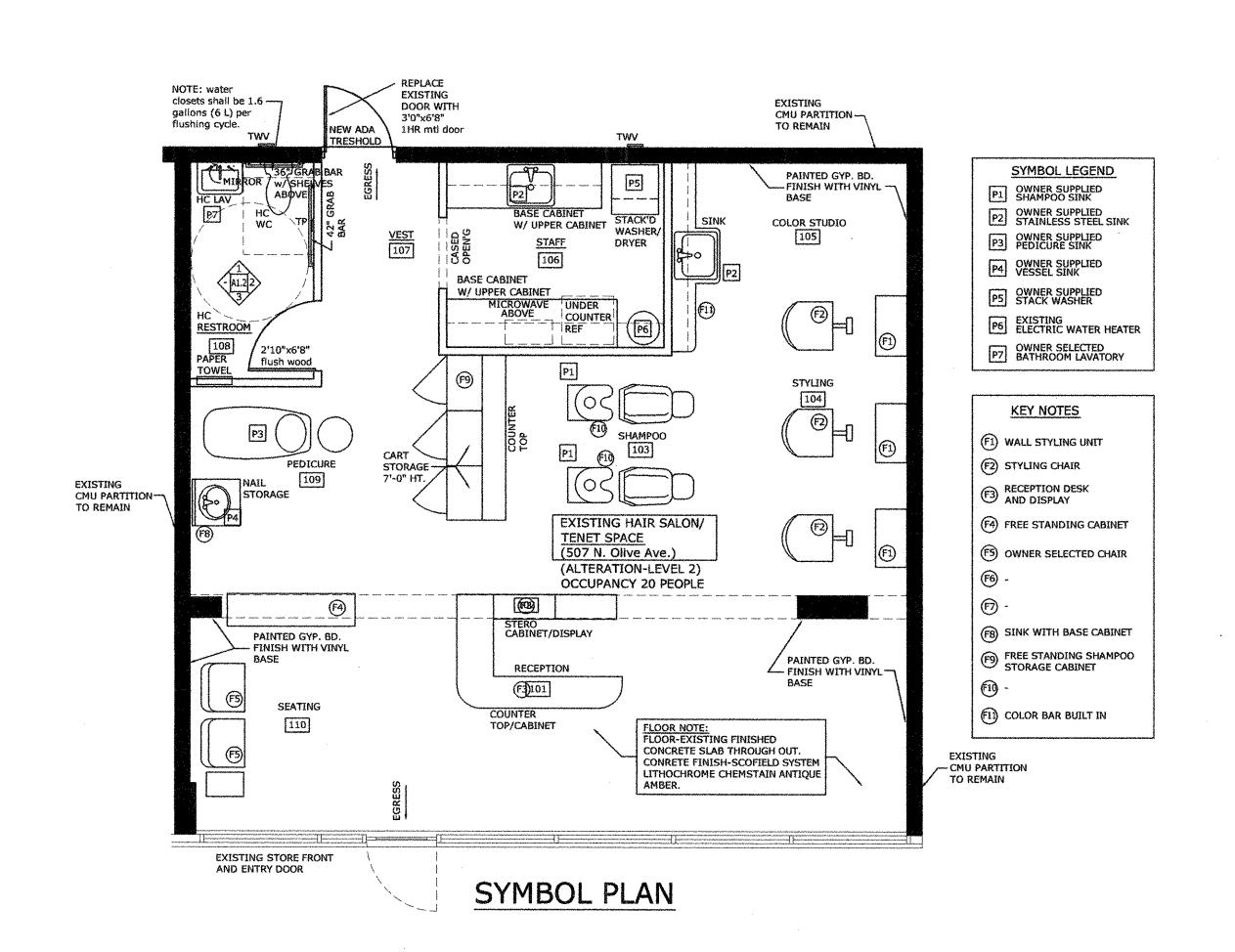
ROGER HANSROTE, ARCHITECT FLAR # 14300

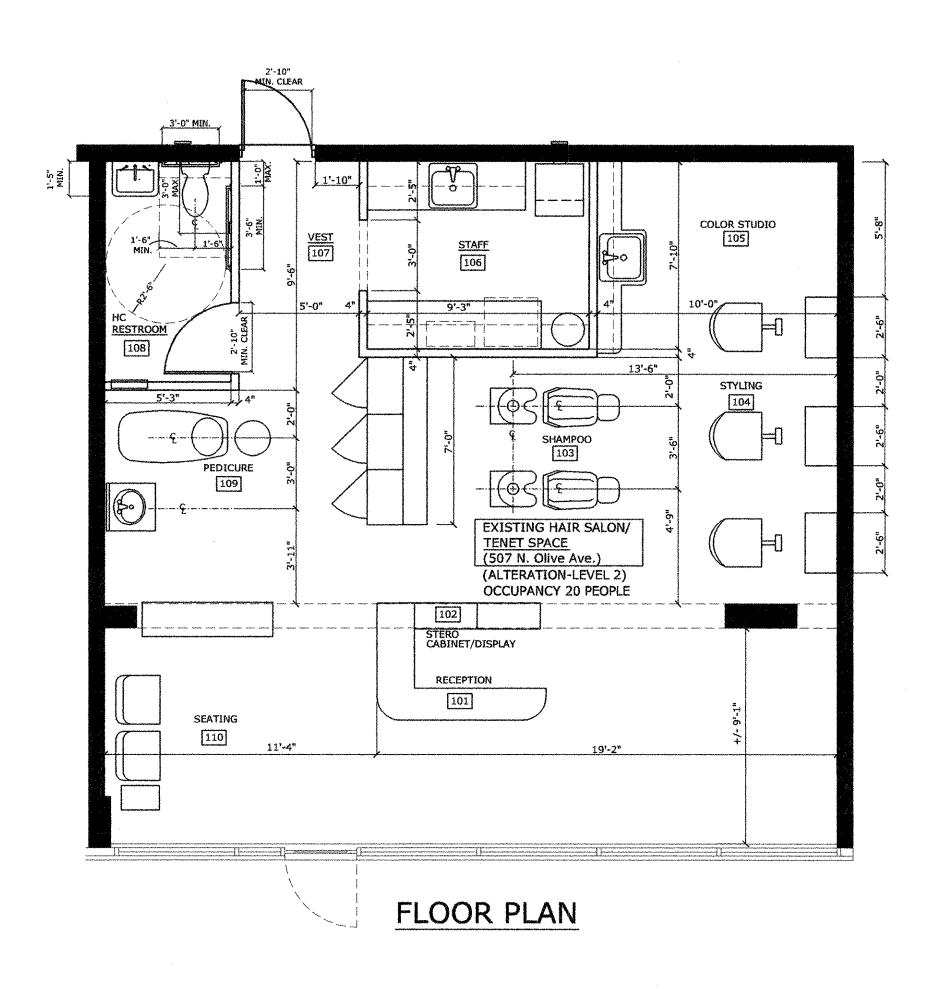
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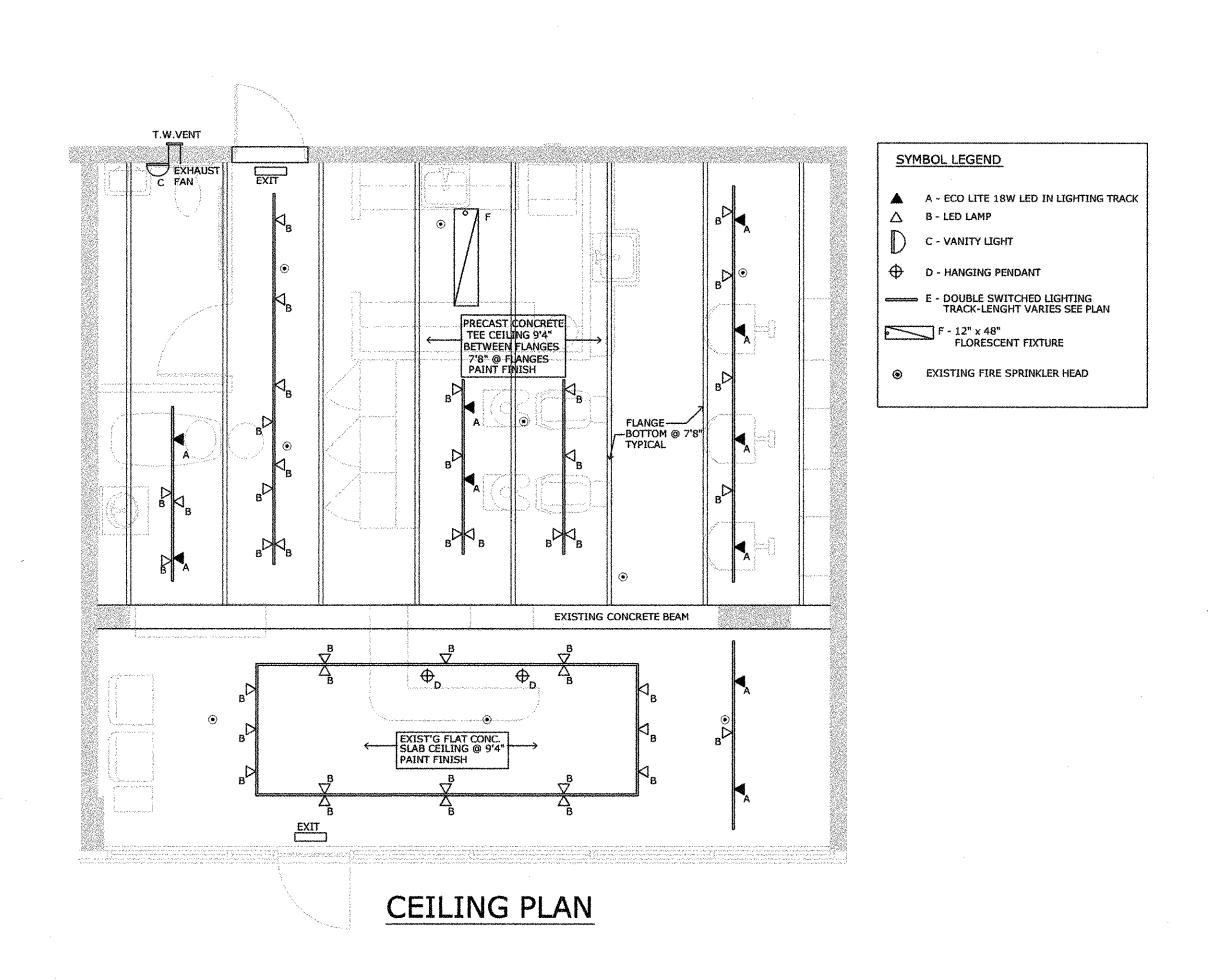
SHEET TITLE

**COVER** 









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REV # DATE DESCRIPTION

SEAL

9-16-2010

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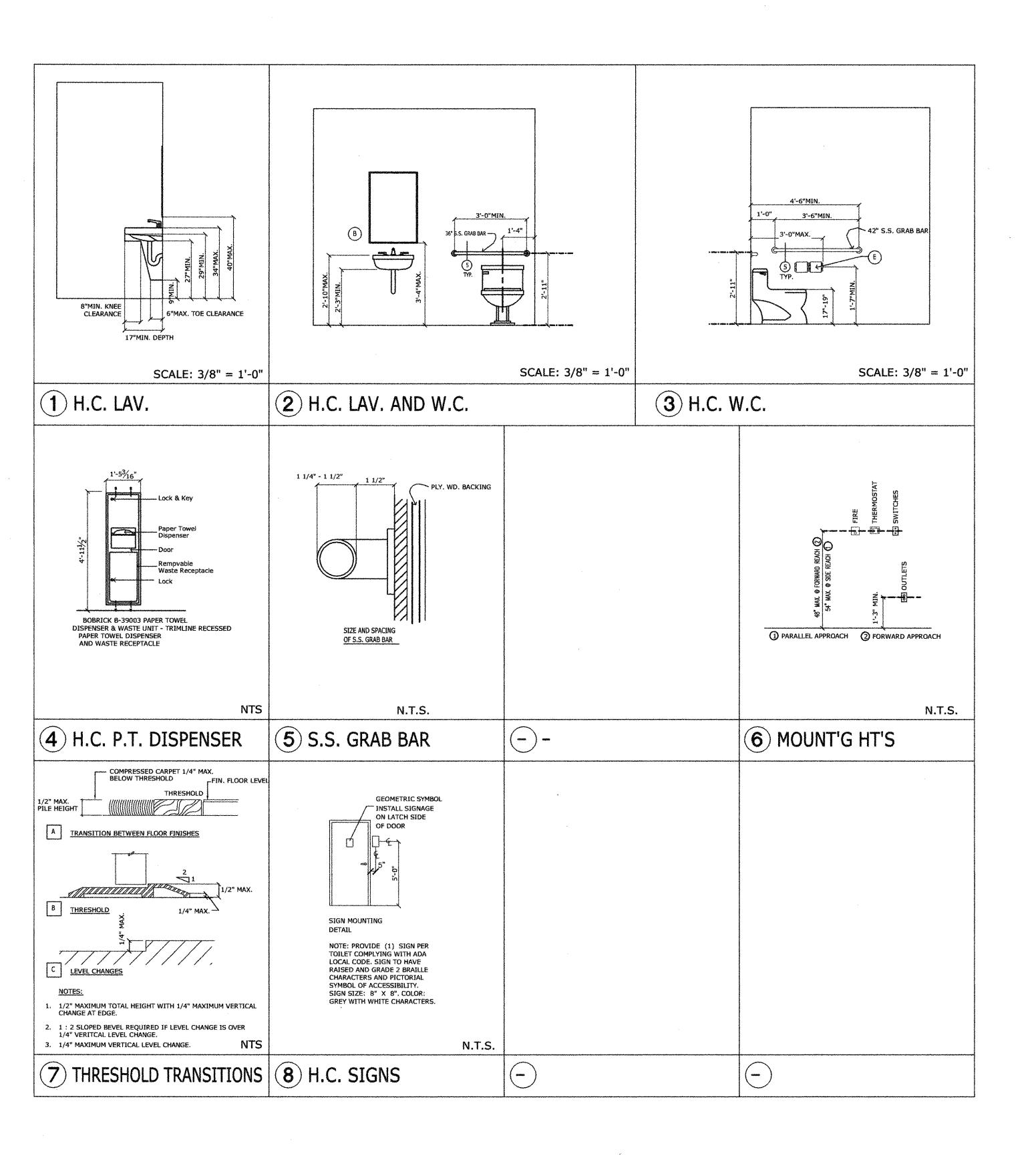
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**PLANS** 

SHEET NUMBER

A1 1





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KEY NOTES

A BOBRICK B-39003 PAPER TOWEL PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

B RECESSED SOAP DISPENSER

© NOT USED

D NOT USED

ASI 0264-1
DOUBLE ROLL TOILET
TISSUE DISPENSER

REV # DATE DESCRIPTION



ROGER HANSROTE, ARCHITECT FLAR # 14300

JOB NUMBER: DATE: 9-8-2010 DRAWN BY: RH APPROVED BY: RH

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**DETAILS** 

A1.2

|           |                      | 0U                              | TSIDE A             | IR SCHEDU           | JLE per ASHRAE 62.                        | 1–2004               |                      |       |
|-----------|----------------------|---------------------------------|---------------------|---------------------|---|----------------------|----------------------|-------|
| SPACE     | NET OCCUPIED<br>AREA | OCCUPANCY DENSITY PER 1000 SQFT | ESTIMATED OCCUPANCY | ACTUAL<br>OCCUPANCY | VENTILATION RATE CFM<br>PER PERSON + SQFT | VENTILATION REQUIRED | VENTILATION PROVIDED | NOTES |
| STAFF     | 70                   | 5                               | 1                   | -                   | 5 + 0.06                                  | 5 + 5 = 10           | 360                  | AHU-1 |
| SALON     | 480                  | 25                              | 12                  | -                   | 20 + 0.12                                 | 240 + 58 = 298       | 360                  | AHU-1 |
| CORRIDOR  | 45                   | -                               | -                   |                     | 0.06                                      | , 3                  | 360                  | AHU-1 |
| RECEPTION | 215                  | 30                              | 7                   | -                   | 5 + 0.06                                  | 35 + 13 = 48         | 360                  | AHU-1 |

1) OCCUPANT DENSITIES & VENTILATION RATES ARE BASED ON ASHRAE STANDARD 62.1, 2004 & 2006 SUPPLEMENT, PER SECTION 403, SUBSECTION 403.4 OF FLORIDA BUILDING **CODE MECHANICAL 2007** 

2) ACTUAL OCCUPANCY IS BASED ON EITHER SEATING ARRANGEMENT OR INFORMATION PROVIDED BY OWNER AND OR ARCHITECT.

|      |                |      |                           | AIR                           | CONDI  | TIONING  | DATA  |       |     |                          |                 |                            |
|------|----------------|------|---------------------------|-------------------------------|--------|----------|-------|-------|-----|--------------------------|-----------------|----------------------------|
| QTY, | UNIT NO.       | MFG. | CONDENSING UNIT MODEL NO. | AIR HANDLER UNIT<br>MODEL NO. | TOTAL  | SENSIBLE | SEER  | TOTAL | 0/A | FAN E.S.P. – IN<br>WATER | HEAT            | SUCTION & LIQUID<br>LINES  |
| 1    | AHU-1A<br>CU-1 |      |                           | ARNU123BHA2                   | 12,300 | 9,300    |       | 375   | 375 | 0.30                     | 13,500<br>BTU/h | SEE MANUFACTURERS<br>SPECS |
| 1    | AHU-1B         |      | 10,1110,10550             | ARNU123TRC2                   | 9,600  | 6,800    | 477.0 | 375   |     | -                        | 10,500<br>BTU/h | SEE MANUFACTURERS<br>SPECS |
| 1    | AHU-1C         | LG   | ARUN048GS2                | ARNU123TRC2                   | 9,600  | 6,800    | 17.0  | 375   | -   | _                        | 10,500<br>BTU/h | SEE MANUFACTURERS<br>SPECS |
| 1    | AHU-1D         |      |                           | ARNU123TRC2                   | 9,600  | 6,800    |       | 375   |     | +                        | 10,500<br>BTU/h | SEE MANUFACTURERS SPECS    |

BTU/h

A/C EQUIPMENT NOTES: 1) VERIFY ALL A/C ELECTRICAL REQUIREMENTS WITH MANUFACTURERS SPEC. PRIOR TO 4) AHU-1A SHALL BE PROGRAMMED TO READ RETURN AIR TEMPERATURE SENSOR FOR COOLING CONTROL. THERMOSTAT PROVIDED TO ADJUST FAN SPEED ONLY NOT TO SENSE TEMPERATURE.

2) PROVIDE R-410A REFRIGERAN 3) PROVIDE SIMPLE WIRED REMOTE CONTROLLER WITHOUT MODE LG THERMOSTAT MODEL

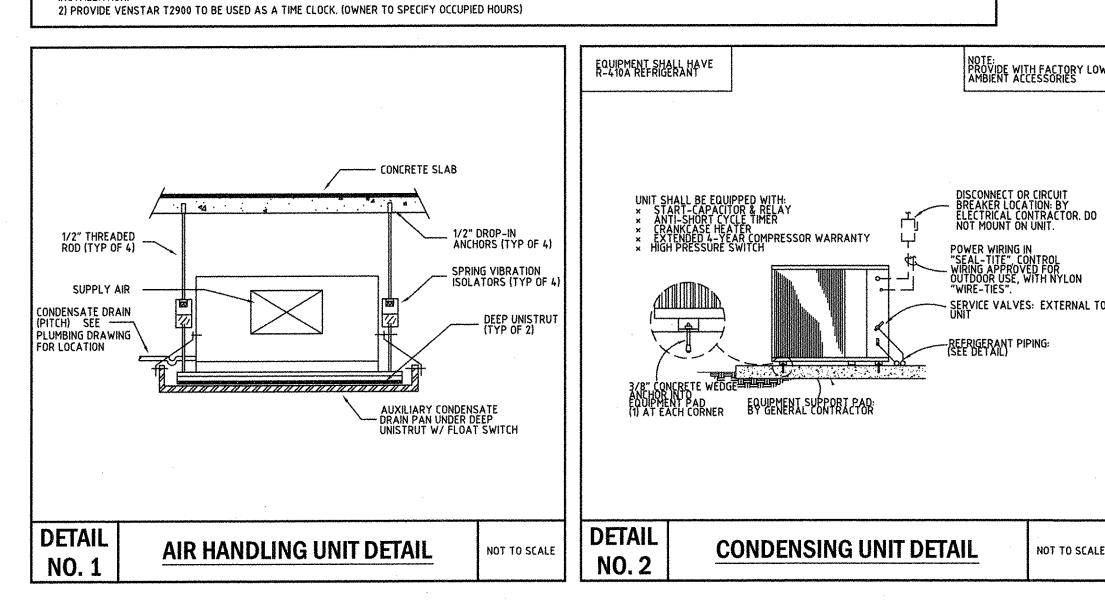
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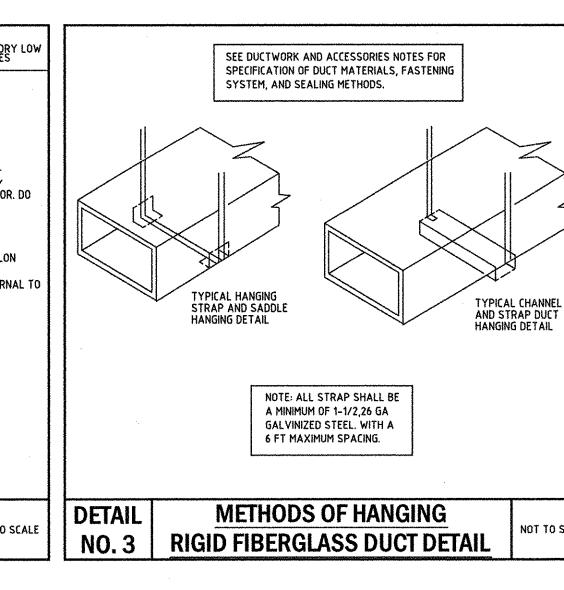
INSTALLATION.

|                  |                        |     | -       |  | E                                       | LECT | RICAL | DAT  | Α        |               |          |               |          |
|------------------|------------------------|-----|---------|--|---|------|-------|------|----------|---------------|----------|---------------|----------|
|                  | V 25 41.               | СОМ | PRESSOR | ······································ | 0                                       | FM   | IFN   | 1    | ELECTRIC | CONDENS       | ING UNIT | AIR HAND      | LER UNIT |
| UNIT NO.         | V/P/Hz                 | QTY | FLA     | LRA                                    | QTY                                     | FLA  | HP    | FLA  | HEAT     | MIN. CAPACITY | MAX FUSE | MIN. CAPACITY | MAX FUSE |
| AHU-1A<br>(CU-1) | 208/1/60<br>(208/1/60) | 4   | 19.6    |  | 4                                       | 0.72 | -     | 1.06 | ~        | 24.1          | 42.8     | 2.32          | 15       |
| AHU-1B,1C,<br>1D | 208/1/60               | 1   | 17.0    | <del>"</del>                           | *************************************** | V.12 | -     | 0.25 |          | 24.1          | 42.0     | 1.32          | 15       |

| SERVICE | SYSTEM | LOCATION | ACCESSORIES | MANUFACTURE | MODEL           | DESCRIPTION      |
|---------|--------|----------|-------------|-------------|-----------------|------------------|
| A       | SUPPLY | CEILING  | 0.B.D.      | TITUS       | MODEL NO: 300FS | 12" × 6"         |
| В       | SUPPLY | CEILING  | 0.B.D.      | TITUS       | MODEL NO: 250AA | 8" x 6"<br>1~WAY |

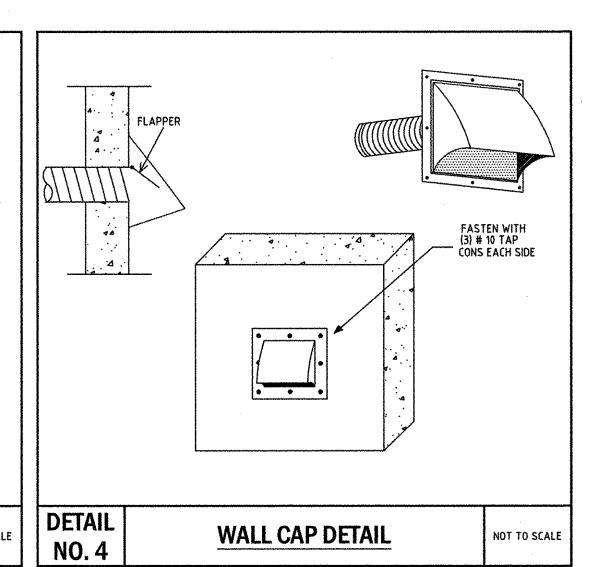
|      |           |            |                    |                | ER\                     | / DATA                  |      |          |                  |                   |                  |           |         |
|------|-----------|------------|--------------------|----------------|-------------------------|-------------------------|------|----------|------------------|-------------------|------------------|-----------|---------|
| ату. | UNIT NO.  | MFG.       | MODEL NO.          | CORE           | FRESH AIR<br>SUPPLY     | EXHAUST AIR             | MERV | VOLTAGE  | SUPPLY<br>HP/FLA | EXHAUST<br>HP/FLA | MIN.<br>CAPACITY | MAX. FUSE | WEIGHT  |
| 1    | ERV-1     | RENEW-AIRE | EV450IN            | G5 = J         | 375 CFM<br>@ 0.6 E.S.P. | 200 CFM<br>@ 0.6 E.S.P. | 8    | 208/1/60 | 0.6/3.5          | 0.6/3.5           | 18,3             | 20        | 141 lbs |
|      | EQUIPMENT |            | QUIREMENTS WITH MA | NUFACTURERS SP | EC. PRIOR TO            |                         |      |          |                  |                   |                  |           |         |

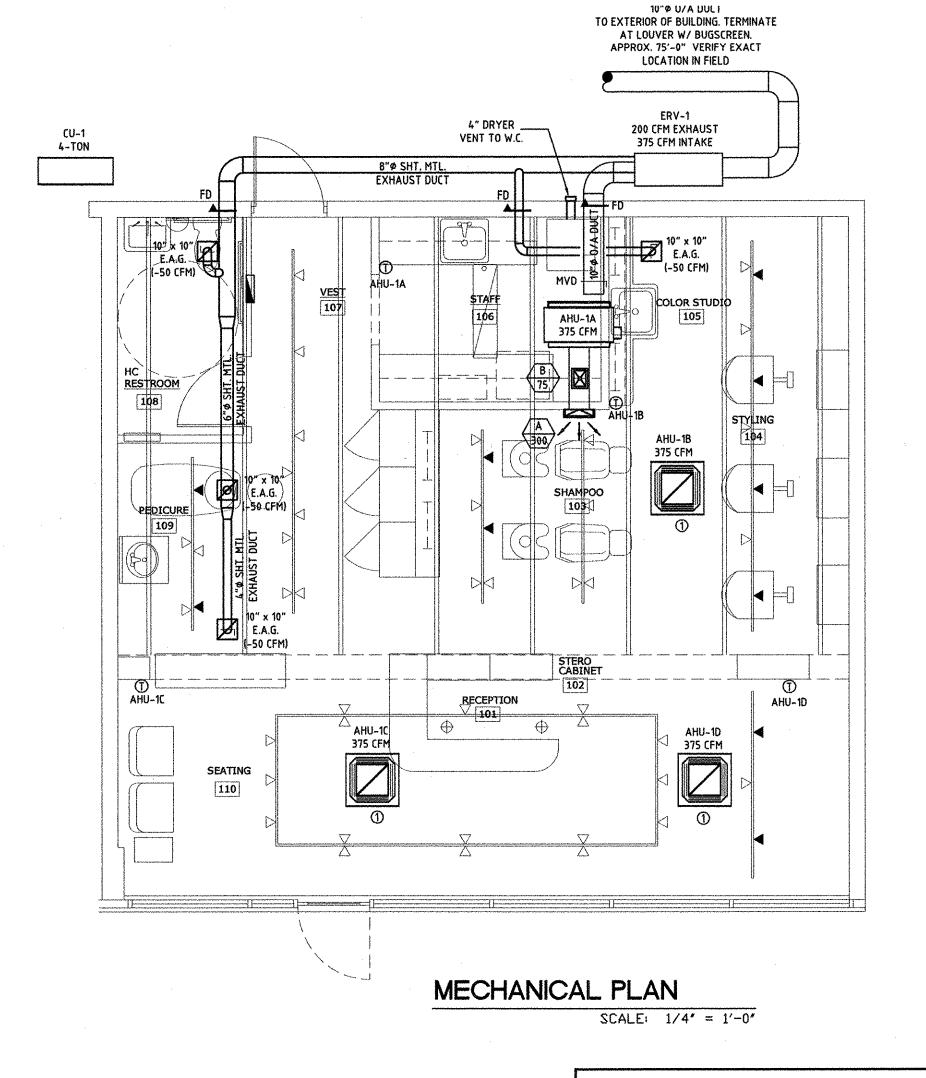




KEY NOTES:

MOUNT AHU-1B,C,D @ 8'-0" A.F.F.





SEQUENCE OF OPERATION:

ERV-1 SHALL BE PROVIDED WITH A VENSTAR T2900 USED AS A TIME CLOCK. TIME OF DAY SCHEDULING SHALL BE BY OWNERS SPECIFIED HOURS OF OPERATION.

NOTE TO CONTRACTOR CONTRACTOR TO VISIT SITE PRIOR TO CONSTRUCTION AND VERIFY EXISTING CONDITIONS. NOTIFY PCHITECT/ENGINEER OF ANY SIGNIFICANT DEVIATION FROM PLANS, CONTRACTOR TO COORDINATE ALL MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND FIRE SPRINKLER WITH EXISTING CONDITIONS.

NEW FLEX DUCT - DIAMETER

↓ NEW DUCT - WIDTH x DEPTH

AIR CONDITIONING SPECIFICATION

A/C LEGEND

4W - DIFFUSER

2W - DIFFUSER

TRANSITION

FIRE DAMPER (F.D.)

**THERMOSTAT** 

CONDENSING UNIT

AIR HANDLER UNIT

L/S — LIQUID/SUCTION LINE

<u>ABBREVIATIONS</u>

R.A. RETURN AIR

R.C. ROOF CAP

W.C. WALL CAP

O/A OUTSIDE AIR

S.A.D. SUPPLY AIR DUCT R.A.D. RETURN AIR DUCT

R.A.G. RETURN AIR GRILLE

E.A.G. EXHAUST AIR GRILLE

FHP FLORIDA HEAT PUMP

(E) EXISTING TO REMAIN

AHU AIR HANDLER UNIT

CU CONDENSING UNIT

NEW

T.E.D TOILET EXHAUST DUCT

AVD AUTOMATED VOLUME DAMPER

WAHU WALL MOUNTED AIR HANDLER UNIT CAHU CEILING MOUNTED AIR HANDLER UNIT

EXISTING TO BE DEMOLISH

☐ UP ☐ DN SUPPLY DUCT (UP & DOWN)

UP DN RETURN DUCT (UP & DOWN)

UP DN EXHAUST DUCT (UP & DOWN)

☐ UP ☐ DN O/A DUCT (UP & DOWN)

EXISTING TO BE RELOCATED

A.F.F. ABOVE FINISHED FLOOR

Ts Hs TEMPERATURE & HUMIDITY CONTROL /SENSOR

EXHAUST AIR GRILLE WITH DAMPER

CEILING MOUNTED AIR HANDLER UNIT

**ENERGY RECOVERY VENTILATOR (ERV)** 

MANUAL VOLUME DAMPER

 $\boxtimes$ 

-⊠-

. AIR CONDITIONING CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS, MATERIALS, ELEVATIONS AND COUNTS AS SHOWN AND/OR NOTED ON THE DRAWINGS AND INCLUDE IN THE BID ANY AND ALL FABRICATION REQUIRED PRIOR TO INSTALLATION. THE CONTRACTOR SHALL VERIFY SIZE, ELEVATION, AND PRESENT STATE OF ALL

THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY AND ALL EXISTING FIELD CONDITIONS WHICH DEVIATE FROM WHAT WAS SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE TO PROVIDE PRICING FOR A COMPLETE INSTALLATION INCLUDING ANY COSTS

3. IT SHALL BE THE RESPONSIBILITY OF THE AIR CONDITIONING CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS SO THAT DELIVERY WILL NOT INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.

4. IT SHALL BE THE RESPONSIBILITY OF THE AIR CONDITIONING CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS. THE DRAWINGS ARE DIAGRAMMATIC: DO NOT SCALE FOR EXACT LOCATIONS. THE AIR CONDITIONING CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS AS REQUIRED TO PROVIDE A COMPLETE AND FULLY OPERATIVE SYSTEM. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL NOTIFY ENGINEER IF DUCT SIZE CHANGES ARE REQUIRED BECAUSE OF EXISTING CONDITIONS.

. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, TESTS, AND ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

. AFTER BID SELECTION AND PRIOR TO COMMENCEMENT OF WORK, THE AIR CONDITIONING CONTRACTOR SHALL SUBMIT (6 COPIES) OF EQUIPMENT CUTS FOR ALL DUCT WORK, EXHAUST FANS, AIR DÉVICES, AND EQUIPMENT AS STATED ON SCHEDULES AND OR NOTES. IF THE CONTRACTOR PROPOSES TO USE ANY ARTICLE, DEVICE, PRODUCT, OR MATERIAL WHICH IS NOT AS SPECIFIED, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVE TO THE ENGINEER THAT THE PROPOSED SUBSTITUTION IS EQUAL AND WILL FIT ALLOCATED SPACE.

7. ALL WORK SHALL BE PERFORMED BY A LICENSED AIR CONDITIONING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. ALL WORK-MANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES AND ORDINANCES. 8. THE AIR CONDITIONING CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITION ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT, AND FURNISHINGS CAUSED BY THE CONTRACTOR DURING THE PERFORMANCE OF WORK.

9. 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.

10. ALL REFRIGERANT PIPING SHALL BE TYPE "L" OR TYPE "K" COPPER WITH WROUGHT COPPER OR BRASS FITTINGS. STEEL VALVES ARE NOT PERMITTED

11. THE AIR CONDITIONING CONTRACTOR SHALL RUN ALL CONDENSATE DRAINS PER PLUMBING SPECIFICATIONS. (SEE PLUMBING SHEETS) 12. INTERIOR CONDENSATE DRAIN PIPING AND REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH 5/8" THICK IMCOLOCK OR ARMAFLEX. 13. COMBUSTIBLE PIPING IS NOT PERMITTED IN RETURN AIR PLENUMS OR CEILING SPACES USED FOR RETURN AIR.

14. LOCATION OF AIR CONDITIONING DUCTS AND AIR DEVICES MAY CHANGE. VERIFY EXACT LOCATION WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION. DRAWINGS ARE DIAGRAMMATIC, DO NOT SCALE FOR THE EXACT LOCATION OF DUCTS, DIFFUSERS, GRILLES, REGISTERS, PIPING, EQUIPMENT, ETC. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR DEVICES.

15. THE AIR CONDITIONING CONTRACTOR SHALL MOUNT ALL ROOFTOP EQUIPMENT ON FACTORY FABRICATED CURBS AND ANCHORS FOR A MINIMUM OF 140 MPH WIND LOADS. WIND LOADS AT MOUNTING HEIGHTS SHALL BE AS REQUIRED BY LOCAL CODES. 16. THE AIR CONDITIONING CONTRACTOR SHALL USE VANED ELBOWS OR APPROVED 3 PIECE ELBOWS, SPLITTER DAMPERS WHERE

INDICATED, VOLUME CONTROLS IN ALL BRANCH LINES AND SUPPLY AND RETURN AIR DEVICES.

17, THE AIR CONDITIONING CONTRACTOR SHALL SEAL ALL DUCTS IN AN APPROVED MANNER TO INSURE AGAINST LEAKAGE.

18. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY CONFLICTS IN LOCATIONS FOR DUCTS, DIFFUSERS, GRILLES, REGISTERS, PIPING, EQUIPMENT, ETC., INORDER TO NOT INTERFERE WITH THE PROGRESS OF CONSTRUCTION.

19. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS TO ALL FANS, A/C UNITS, OR MECHANICAL EQUIPMENT, EXCEPT FOR EXHAUST HOODS.

20. ALL EXHAUST AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH

ASHRAE, SMACNA, AND LOCAL CODES. ALL OUTSIDE AIR DUCTS SHALL HAVE 1" INSULATION IN AIR CONDITIONED SPACES.

21. UNLESS NOTED AS EXISTING, ALL EQUIPMENT, PIPING, DUCTS, REGISTERS, ETC., SHALL BE NEW. 22. TERMINAL AIR DISTRIBUTION DEVICES SHALL BE TITUS, METALAIRE OR NAILOR-HART OR EQUAL AS SCHEDULED:

ALL VOLUME DAMPERS SHALL BE OPPOSED BLADE TYPE WITH SCREWDRIVER ADJUSTMENT. 23. ALL SUPPLY AND RETURN FIBERGLASS AIR DUCTWORK SHALL BE JOHNS MANVILLE FIBERGLASS (1.5" THICK). TYPE 475 OR 800 OR SHEET METAL WITH MINIMUM R-6 EXTERIOR FOILBACK INSULATION. UNLESS OTHERWISE NOTED ON PLANS ALL DUCTS SHALL BE SUPPORTED IN AS STRAIGHT AND LEVEL AS FASHION AS POSSIBLE. THE ENTIRE

INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE, SMACNA, AND LOCAL CODES. FLEXIBLE DUCTS SHALL BE UL-181 RATED, NONMETALLIC, CLASS 1, R-6 - INSTALLED IN ACCORDANCE WITH FBC-M 304.1 FLEXIBLE DUCTS SHALL NOT BE LIMITED IN LENGTH PER FBC-M 603.5.1.1

24. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE ALL CONTACTORS, STARTERS, RELAYS, AND THERMOSTATS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS, POWER WIRING AND CONTROL WIRING.

25. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE 1" THICK FARR 30/30 (THROW-AWAY TYPE) FILTERS WITH EACH A/C UNIT.

26. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR UNDERWRITERS LABEL WHERE APPLICABLE.

27. ALL PENETRATIONS OF FIRE-RATED WALLS, FLOORS OR CEILINGS SHALL BE FIREPROOFED BY A SEALING METHOD AND RATING AS SPECIFIED ON THE DRAWINGS OR AS REQUIRED BY THE LOCAL OR STATE CODES.

28. AIR HANDLING DEVICES IN EXCESS OF 2000 CFM WILL HAVE A DUCT SMOKE DETECTOR TO STOP THE FAN AND ACTIVATE A HORN AND STROBE LIGHT, ALL EQUIPMENT SHALL BE INTERLOCKED AS REQUIRED BY LOCAL CODES OR FIRE SAFETY OFFICIALS.

29. ALL WORK SHALL COMPLY WITH BASE BUILDING LIFE SAFETY/SMOKE CONTROL SYSTEM REQUIREMENTS. PROVIDE ALL NECESSARY WIRING, CONTACTORS, RELAYS, ETC., AS REQUIRED FOR INTERFACE WITH BASE BUILDING SYSTEM.

30. THE AIR CONDITIONING CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED, FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

31. THE AIRCONDITIONING CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS BUILT DRAWINGS TO THE ENGINEER UPON COMPLETION OF INSTALLATION. IF FIELD CHANGES ARE MADE WHICH DEVIATE FROM ENGINEERING DRAWINGS TO THE EXTENT THAT THE BUILDING
DEPARTMENT REQUIRES THESE CHANGES BE INCORPORATED PRIOR TO INSPECTION, THE CONTRACTOR SHALL PROVIDE SKETCHES TO THE ENGINEER FOR INCORPORATION INTO THE BUILDING PLANS. ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.

32. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT PER FBC 2007, CH 13, 410.1.ABCD.4
FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AHU'S AND FANS FOR ALL PROJECTS. FOR PROJECTS TOTALING 10 TONS OR MORE, A CERTIFIED INDEPENDENT TEST AND BALANCE REPORT SHALL BE PERFORMED. THE T & B REPORT SHALL BE IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLES, RETURN GRILLES, AND EXHAUST GRILLES AND THE LEAVING AND ENTERING AIR TEMP (°F) FROM SUPPLY GRILLES AND EVAPORATORS.

33. AIR CONDITIONING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE, AND ALL GUARANTEES AND WARRANTIES SHALL BE DELIVERED TO THE OWNER. COMPRESSORS SHALL HAVE EXTENDED FIVE YEAR WARRANTIES.

H. EXISTING CONDITIONS 34. IF THE NATURE OF THIS CONTRACT INVOLVES EXTENSIVE REMODELING OF THE EXISTING BUILDING, THE AIR CONDITIONING CONTRACTOR, PRIOR TO BID, SHALL INSPECT THE EXISTING CONDITIONS AT THE JOB SITE AND ACQUAINT HIMSELF WITH THE CONDITIONS THAT

35. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL EQUIPMENT WITH THE OWNER'S

REPRESENTATIVE AND THE ACTUAL EQUIPMENT BEING FURNISHED. 36. PRESENT AIR CONDITIONING EQUIPMENT WHERE INDICATED ON THE DRAWINGS IS FOR INFORMATION ONLY AND THE CONTRACTOR SHALL INCLUDE THE INSTALLATION OF CONDUIT AND WIRE AS REQUIRED. THE INSTALLATION OF NEW EQUIPMENT THAT INTERFERES WITH EXISTING SHALL BE REMOVED, RELOCATED, OR RE-ROUTED TO PERMIT COMPLETION OF SUCH WORK.

37. SALVAGED MATERIALS, EQUIPMENT, AND DIFFUSERS SHALL BE DELIVERED TO THE OWNER AT HIS PROPERTY AND STORED WITHIN THE BUILDING WHERE DIRECTED. ANY REMOVED MATERIALS OR EQUIPMENT WHICH THE OWNER DOES NOT WISH TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER.

38. ALL PRESENT DUCTWORK AND PIPING IN EXISTING AREAS TO BE ALTERED, WHICH WILL HAVE NO USE UPON COMPLETION OF THE ALTERATIONS SHALL BE REMOVED. WHENEVER DUCTS OR PIPING ARE OR WILL BECOME EXPOSED TO VIEW, THE CONTRACTOR SHALL

IMMEDIATELY NOTIFY THE ENGINEER

PRIOR TO SUBMITTING HIS BID. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND

INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED.

THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING

NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF

FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED.

RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.

NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

39. THE AIR CONDITIONING CONTRACTOR SHALL DETERMINE THE EXTENT TO WHICH EXISTING DUCTWORK AND PIPING WILL HAVE TO BE RE-

ROUTED, RELOCATED, OR RECONNECTED, AND THE AMOUNT OF ADDITIONAL WORK WHICH MAY BE REQUIRED DUE TO THE PHYSICAL CONDITIONS OF THE DUCTWORK & PIPING SHALL BE PERFORMED UNDER THIS CONTRACT WITHOUT ADDITIONAL CHARGES TO THE OWNER.

40. INTERRUPTION OF EXISTING FACILITIES OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR REQUIRED WHENEVER TEMPORARY CONDITIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE.
INTERRUPTION OF SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO NEW WORK SHALL BE DONE ONLY AT SUCH TIMES AS PERMITTED AND SCHEDULED BY THE OWNER WITHOUT ADDITIONAL COST. THE AIR CONDI TIONING CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE SERVICE INTERRUPTIONS WITH THE OWNER & GENERAL CONTRACTOR

ARCHITECTURE / DESIGN

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MECHANICAL PLAN

JOB NUMBER:10274

DATE: 09-07-10

DRAWN BY: CI/CG/AN

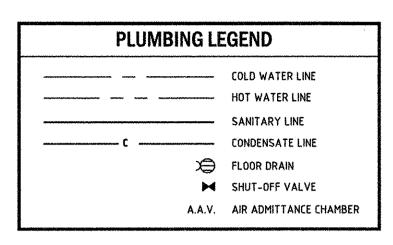
APPROVED BY: HRT

SHEET TITLE

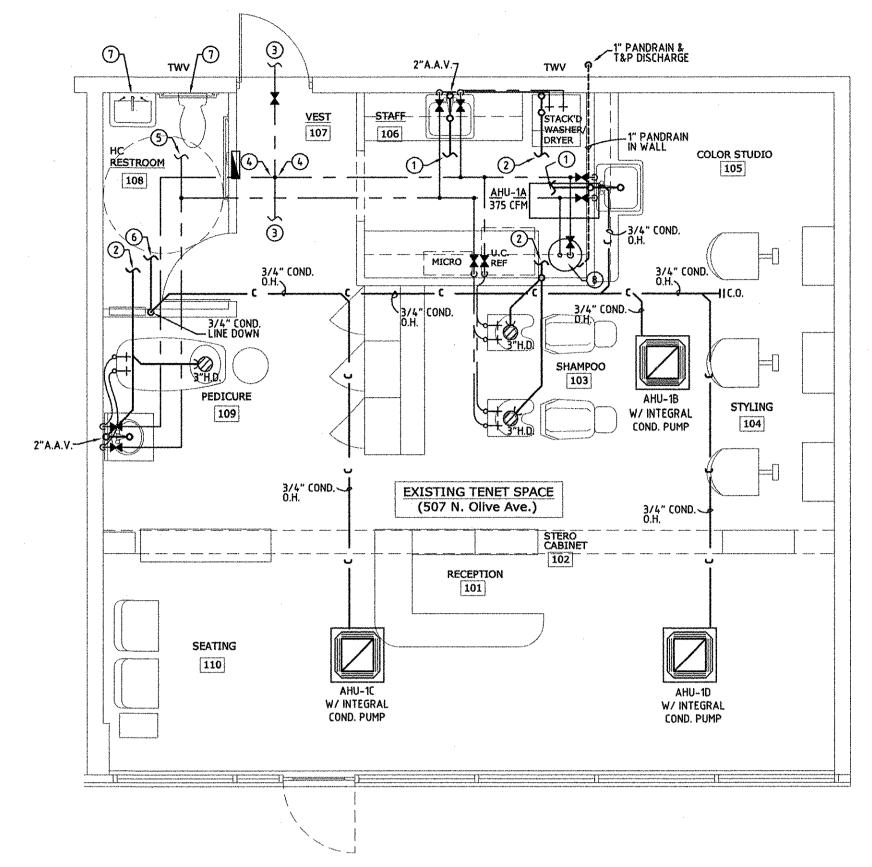
PERMIT SET: 09-07-10

1640 N.W. BOCA RATON BLVD. BOCA RATON, FL 33432 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 HAROLD R. TUSSLER, P.E. LICENSE #19315 E-MAIL: INFO@FAECONSULTING.COM

SHEET NUMBER

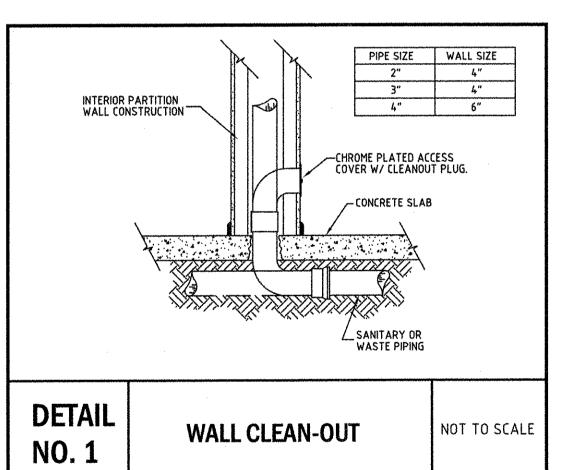


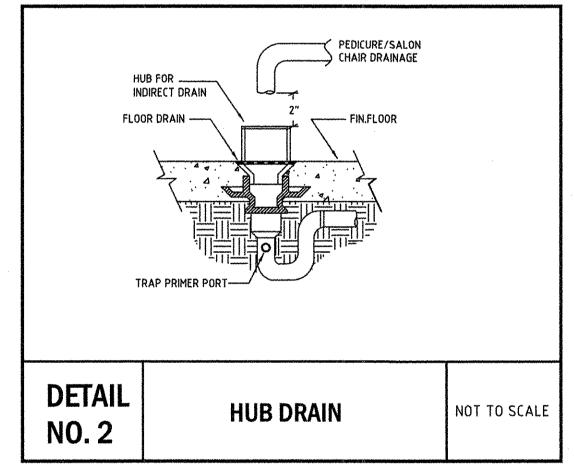
| IXTURE TYPE   | NO.   | F.U./EACH | TOTAL                                  | MIN. TRAP S                                   | 17F                             |
|---|---|-----------|--|---|---------------------------------|
|   | 1 1   | 4.0       | 4.0                                    | 3"  |                                 |
| WATER CLOSET LAVATORY   |   | 1.0       | 1.0                                    | 11/4"   |                                 |
|   | 1 2   | 2.0       | 4.0                                    | 1 1/2"  |                                 |
| HAND SINK   |   |           |  |   |                                 |
| LOUNGE SINK   |   | 2,0       | 2.0                                    | <u>1 1/2"</u><br>3"                           |                                 |
| CLOTHES WASHER  |   | 2.0       | 2.0                                    | 2"  |                                 |
| FLOOR DRAIN   | 3   | 2.0       | 6.0                                    |   |                                 |
| TOTAL   | 9   | _         | 19.0                                   |   |                                 |
| TOTAL SANITARY FIXT<br>MINIMUM SIZE SANITAR<br>HOT & COLD WATER SIZI  | Y LINE @ 1/8"                                   | SLOPE3"   | <br>07 (PLUMBING)                      | <u>, , , , , , , , , , , , , , , , , , , </u> | MULTIPL                         |
| MINIMUM SIZE SANITAR  | Y LINE @ 1/8"                                   | SLOPE3"   | 07 (PLUMBING)<br>H.W.F.U./EA.          | PER FIXTURE<br>TOTAL                          |                                 |
| MINIMUM SIZE SANITAR<br>HOT & COLD WATER SIZI   | Y LINE @ 1/8"<br>NG PER TABLE                   | SLOPE3"   |  | PER FIXTURE                                   |                                 |
| MINIMUM SIZE SANITAR<br>HOT & COLD WATER SIZI<br>FIXTURE TYPE   | Y LINE @ 1/8"<br>NG PER TABLE<br>NO.            | SLOPE     | H.W.F.U./EA.                           | PER FIXTURE<br>TOTAL                          | <u>TOTA</u>                     |
| MINIMUM SIZE SANITAR  10T & COLD WATER SIZI  IXTURE TYPE  WATER CLOSET  | Y LINE @ 1/8"  NG PER TABLE  NO.  1             | SLOPE     | <u>H.W.F.U./EA</u> ,<br>-              | PER FIXTURE<br>TOTAL<br>5.0                   | <u>TOTAL</u><br>5.0             |
| MINIMUM SIZE SANITAR  HOT & COLD WATER SIZI  EXTURE TYPE  WATER CLOSET  LAVATORY                                    | Y LINE @ 1/8"  NG PER TABLE  NO.  1 1           | SLOPE     | H.W.F.U./EA.<br>-<br>1.5               | PER FIXTURE TOTAL 5.0 2.0                     | 5.0<br>2.0                      |
| MINIMUM SIZE SANITAR' HOT & COLD WATER SIZI FIXTURE TYPE WATER CLOSET LAVATORY HAND SINK                            | Y LINE @ 1/8"  NG PER TABLE  NO.  1  1 2        | SLOPE     | H.W.F.U./EA.<br>-<br>1.5<br>1.5        | PER FIXTURE<br>TOTAL<br>5.0<br>2.0<br>2.0     | 5.0<br>2.0<br>4.0               |
| MINIMUM SIZE SANITAR'  OT & COLD WATER SIZI  EXTURE TYPE  WATER CLOSET  LAVATORY  HAND SINK  LOUNGE SINK            | Y LINE @ 1/8"  NG PER TABLE  NO.  1  1  2  1    | SLOPE     | H.W.F.U./EA.<br>-<br>1.5<br>1.5<br>1.5 | PER FIXTURE TOTAL 5.0 2.0 2.0 2.0             | 5.0<br>2.0<br>4.0<br>2.0        |
| MINIMUM SIZE SANITAR' HOT & COLD WATER SIZI HIXTURE TYPE WATER CLOSET LAVATORY HAND SINK LOUNGE SINK CLOTHES WASHER | Y LINE @ 1/8"  NG PER TABLE  NO.  1  1  2  1  1 | SLOPE     | H.W.F.U./EA.  1.5 1.5 1.5 2.25         | PER FIXTURE TOTAL 5.0 2.0 2.0 2.0 3.0         | 5.0<br>2.0<br>4.0<br>2.0<br>3.0 |



PLUMBING PLAN

SCALE: 1/4" = 1'-0"

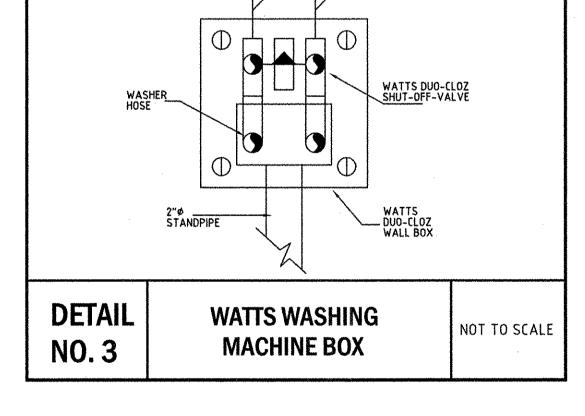




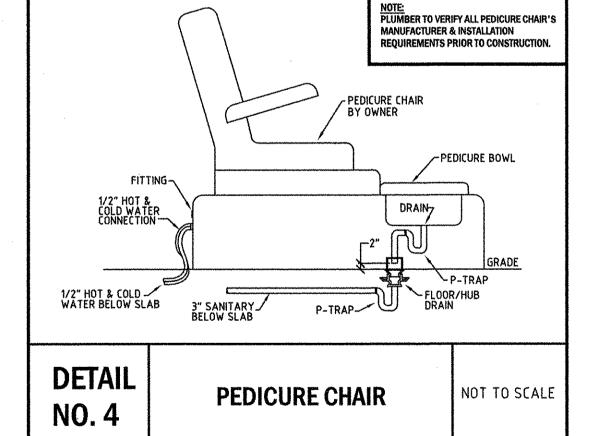
\* PROVIDE 1/2"C.W. TRAP PRIMER FOR FLOOR DRAINS.

**RISER** 

NO. 1



H. & C.W SUPPLY



1. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATION, INVERT, SIZE, DIRECTION OF FLOW &

2. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATION OF COLD WATER LINE IN FIELD PRIOR TO

4. PLUMBING CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY CHANGES NECESSARY TO

5. NO CHANGES SHALL BE IMPLEMENTED WITHOUT WRITTEN CONSENT OF THE ARCHITECT/ENGINEER.

B. HOT WATER LINES SHALL BE INSULATED WITH 1" THICK ARMAFLEX INSULATION FROM THE

9. ANY SANITARY PIPE 2 1/2" OR SMALLER TO HAVE 1/4" SLOPE PER FOOT. ALL OTHER TO BE 1/8"

EXISTING FIXTURE TO BE REMOVED AND SANITARY LINE TO BE CAPPED BELOW SLAB. LINE MUST BE CAPPED WITH-IN 2 FEET OF AN ACTIVE LINE. NO DEAD ENDS PERMITTED. VERIFY EXACT

14. ALL CLEANOUTS SHALL BE LOCATED IN ACCORDANCE WITH SECTIONS 708.3.1 THROUGH 708.3.6

1) CONNECT NEW 2" SANITARY TO EXISTING SANITARY LINE BELOW SLAB. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF FLOW & CONNECTION POINT IN FIELD

(2) CONNECT NEW 3" SANITARY TO EXISTING SANITARY LINE BELOW SLAB. CONTRACTOR TO

VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF FLOW & CONNECTION POINT IN FIELD

(3) EXISTING COLD WATER LINE OVERHEAD. CONTRACTOR TO VERIFY EXACT SIZE & LOCATION IN

TO VERIFY EXACT LOCATION, SIZE & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.

(4) CONNECT NEW COLD WATER LINE TO EXISTING COLD WATER SERVICE OVERHEAD. PLUMBER

(5) CONNECT NEW 1/2" HOT WATER LINE TO EXISTING LAVATORY HOT WATER LINE OVERHEAD.

PLUMBER TO VERIFY EXACT LOCATION, SIZE & CONNECTION POINT IN FIELD PRIOR TO

(6) CONNECT 1" CONDENSATE TO EXISTING CONDENSATE LINE BELOW SLAB. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF FLOW & CONNECTION POINT IN FIELD

FLOW & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.

(7) REPLACE EXISTING FIXTURE WITH NEW. CONNECT EXISTING PLUMBING LINE IN WAL AND BELOW

8 EXISTING WATER HEATER TO BE RELOCATED (VERIFY EXACT LOCATION WITH OWNER/ARCH)

VERIFY SYSTEM COMPONENTS & CONNECTIONS WITH EQUIPMENT MANUFACTURER.

SLAB TO NEW FIXTURE. PLUMBER TO VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF

CONNECTION POINT OF EXISTING SANITARY LINE IN FIELD PRIOR TO CONSTRUCTION.

3. PLUMBING CONTRACTOR TO COORDINATE PIPE ROUTING WITH OTHER TRADES.

6. POTABLE WATER LINES TO BE RUN OVERHEAD UNLESS OTHERWISE INDICATED.

7. PROVIDE SHOCK ARRESTORS ON ALL WASHING MACHINE WATER LINES.

10. CAP ALL UNUSED EXISTING SANITARY OPENINGS BELOW THE SLAB.

11. PLUMBING CONTRACTOR TO OFFSET VENT PIPING AS NECESSARY.

13. NO COMBUSABLE MATERIALS ALLOWED IN COMMON PLENUM.

LOCATION OF EXISTING SANITARY LINE IN FIELD PRIOR TO CONSTRUCTION.

12. ALL PLUMBING FIXTURES TO COMPLY WITH TABLE 604.4 FBC. 2007 (PLUMBING)

COMPLETE NEW CONSTRUCTION.

SLOPE. PER FOOT.

F.B.C. 2007 (PLUMBING)

PRIOR TO CONSTRUCTION.

PRIOR TO CONSTRUCTION.

FIELD PRIOR TO CONSTRUCTION.

KEY NOTES:

SIOUX CHIEF

WATER HEATER TO THE FURTHEST FIXTURE.

MOD.# 652~A/653-B

# PLUMBING SPECIFICATIONS

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007 EDITION PLUMBING SECTION, WITH 2009 AMENDMANTS, AND SHALL COMPLY WITH ALL LOCAL RULES AND

- 1. ALL WORKMANSHIP & MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE
- NATIONAL, STATE, LOCAL CODES, RULES & ORDINANCES.
- CONTRACTOR SHALL VISIT THE JOB SITE & THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
- ALL MATERIALS SHALL BE NEW.

PART OF THIS CONTRACT.

- 4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE.
- 5. ALL EXCAVATION & BACK FILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A
- REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST
- PUBLIC LIABILITY & PROPERTY DAMAGE FOR THE DURATION OF WORK.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS & TEST. SUBSTITUTIONS BY THE CONTRACTOR SHALL HAVE PRIOR APPROVAL. ANY CHANGES MADE WITHOUT APPROVAL WILL BE PAID BY THE CONTRACTOR TO RETURN TO THE ORIGINAL DESIGN.
- 8. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROCESS OF CONSTRUCTION.
- THE CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR REVIEW OF THE GENERAL NOTES, SPECIFICATIONS, AND ALL OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION
- 10. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. FIELD VERIFY FINAL LOCATIONS FOR EQUIPMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND EXACT LOCATION OF PLUMBING FIXTURES. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS.
- 11. DRAWINGS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- VERIFY LOCATION, SIZE, TRAPS, INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES. ANY COST RESULTING FROM DISCREPANCIES NOT REPORTED AT THIS TIME SHALL BE PAID BY THE CONTRACTOR.
- 13. INSTALL AIR CHAMBERS OR SHOCK ABSORBERS IN PIPING SYSTEM TO PREVENT NOISE AND DAMAGE DUE TO WATER HAMMER.
- 14. PROVIDE SHUT-OFF VALVES IN THE SUPPLY PIPING TO EVERY FIXTURE.
- 15. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS.
- 16. IN AREAS WHERE AN EXISTING FIXTURE IS TO BE REMOVED AND THE SANITARY LINE IS TO BE CAPPED, THE LINE MUST BE CAPPED WITH-IN 2 FEET OF AN ACTIVE SANITARY LINE. NO DEAD ENDS PERMITTED.
- 17. CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
- 18. SANITARY PIPE 3" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT. SANITARY PIPE 4" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT. CONDENSATE PIPING SHALL BE SLOPED AT
- 19. ALL FLOOR PENETRATIONS MUST BE SLEEVED, FIRE STOPPED, GROUTED, SEALED AND MADE WATERPROOF IN ACCORDANCE WITH THE LANDLORDS REQUIREMENTS. SLEEVES MUST EXTEND A MINIMUM OF 4" A.F.F. COORDINATE ALL CONCRETE TRENCHING/CORING TO ENSURE THAT ANY UNDER SLAB UTILITIES, ETC. ARE NOT DAMAGED DURING FLOOR CUT. ANY DAMAGE TO BE REPAIRED AT CONTRACTOR EXPENSE. CUTTING AND PATCHING ACTIVITIES WHICH CREATE NOISE MUST BE PERFORMED AFTER-HOURS SO LONG AS ANY OTHER TENANTS ARE OCCUPYING THE BUILDING. PRIOR APPROVAL AND COORDINATION WITH PROPERTY MANAGEMENT IS REQUIRED FOR ALL CONCRETE CUTTING.
- 20. DO NOT ROUTE ANY WET PIPING OVER ELECTRICAL EQUIPMENT.
- 21. WATER PIPING TO BE TYPE "M" OR TYPE "L" COPPER ABOVE OR BELOW GRADE.
- 22. SOIL, WASTE & VENT PIPING TO BE PVC. #40 DVW.
- 23. HOT AND HOT WATER RETURN LINES SHALL BE INSULATED WITH 1/2" TO 1" THICK ARMAFLEX INSULATION FROM THE WATER HEATER TO THE FURTHEST FIXTURE PER FBC 2007 CHAPTER 13, (WITH 2009 SUPPLEMENTS) SECTION 13-412.AB.4(1) AND TABLE 13-411.AB.2.
- 24. WHERE DISSIMILAR METALS ARE TO BE JOINED, APPROVED INSULATING UNIONS SHALL BE USED.
- 25. NO PVC PIPING TO BE USED IN COMMON PLENUM AREAS.
- 26. CONDENSATE LINES TO BE COPPER/PVC DEPENDING ON PROJECT REQUIREMENTS. INSULATE WITH 1/2" THICK ARMAFLEX INSULATION.
- 27. CONTRACTOR SHALL GUARANTEE ALL MATERIALS & WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE. 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.
- 28. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID AND INSTALLATION. INFORM THE ENGINEER OF RECORD OF ANY DISCREPANCY BETWEEN THE DOCUMENTS AND THESE CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER THE CONTRACT HAS BEEN
- 29. CONTRACTOR SHALL KEEP AS-ABUILTS AND SUBMIT TO THE ENGINEER OF RECORD FOR REVIEW. ALL CHANGES SHALL BE FORWARDED A MINIMUM OF (2) WEEKS PRIOR TO FINAL INSPECTION. ANY EXPENSES, SUCH AS REVISIONS OR AS-ABUILTS, NECESSARY FOR FINAL C.O. SHALL BE AT THE EXPENSE OF THE OWNER.

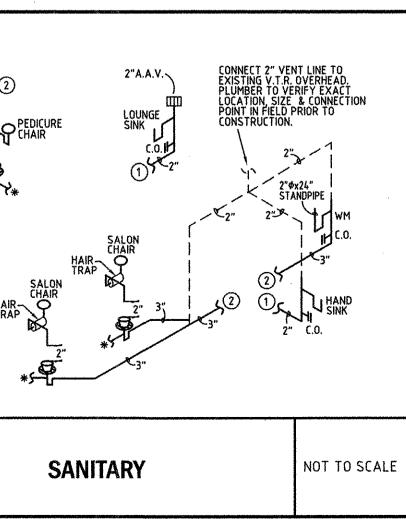
ARCHITECTURE / DESIGN

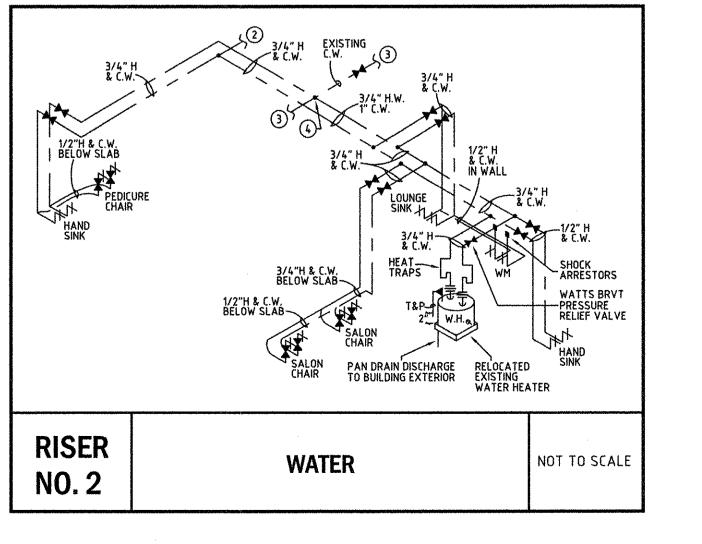
205 Worth Avenue, Suite 301 Palm Beach, Florida 33480

Phone 561-655-0674 Fax 561-833 9853

PAUL JAMES

507 N. Olive Ave. WEST PALM BEACH, FLORIDA





PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. HAROLD R. TUSSLER, P.E. LICENSE #19315 NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED. E-MAIL: INFO@FAECONSULTING.COM

CONSULTING 1640 N.W. BOCA RATON BLVD. BOCA RATON, FL 33432

PERMIT SET: 09-07-10

TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107

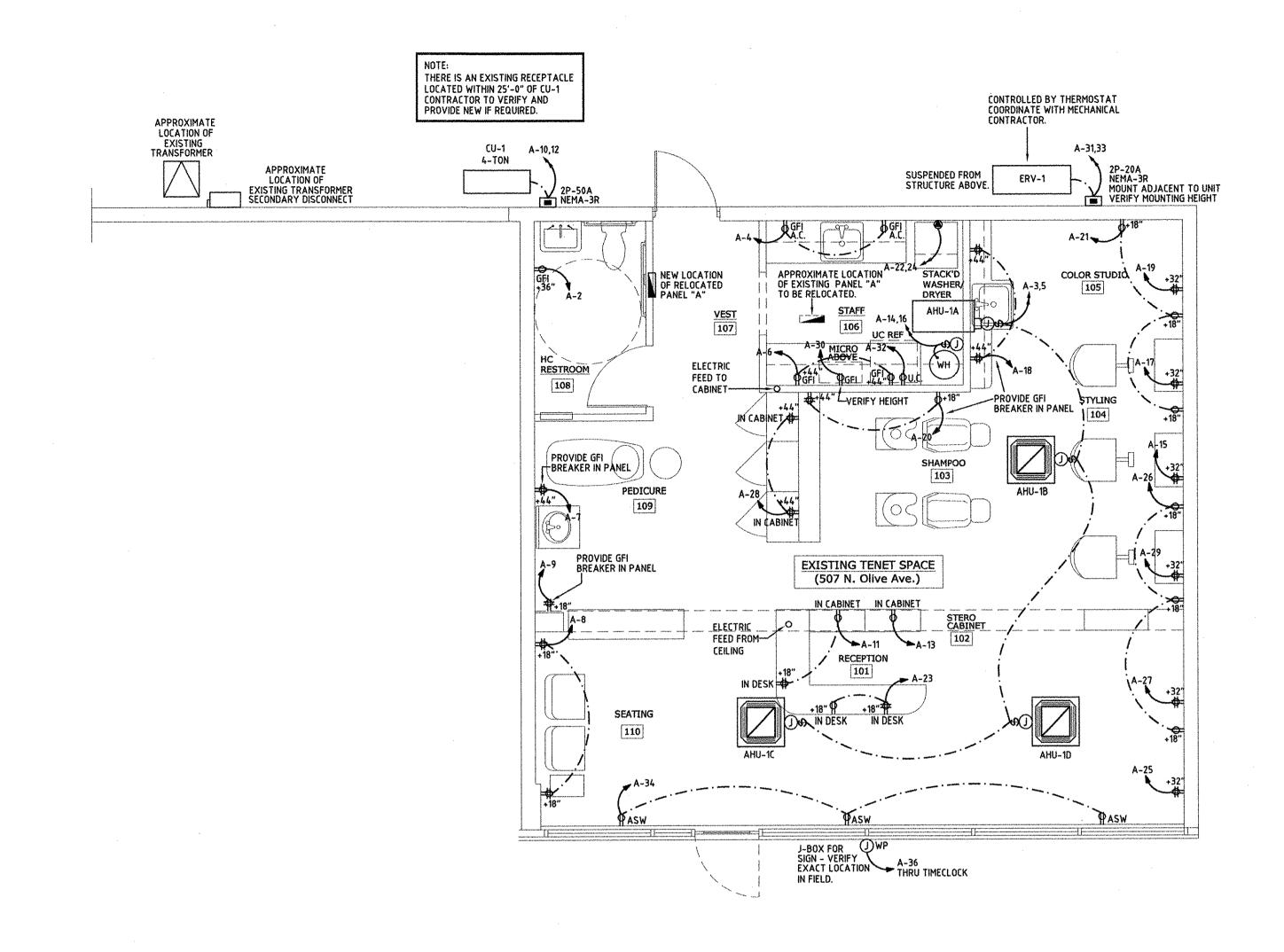
JOB NUMBER:10274 DATE: 09-07-10 DRAWN BY: CI/CG/AN

APPROVED BY: HRT

SHEET TITLE

PLUMBING PLAN

SHEET NUMBER



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

| OTE:                                    | LEGEND   |  |
|---|--|--|
| RVICE EQUIPMENT<br>C. RATING, AND SHALL | NEW EXISTING   |  |
|   |  |  |
| INDITIONS IN FIELD                      | GARAGE   | TENANT SPACE INTERCEPT EXISTING FEEDERS IN NEW JUNCTION BOX AND EXTEND   |
|   |  | TO LOCATION OF RELOCATED PANEL "A"   |
| 3P-70A M.C.B.                           | EXISTING 4 # 1/0'S 1 # 6 GND THWN CU 2" C  EXISTING 3P 200 S/N   | NEW<br>4 # 1/0'S<br>1 # 6 GND<br>THWN CU<br>2" C   |
| T/                                      | EXISTING 4 # 1/0'S 1 # 6 GND 120/208V THWN CU 3 # 4 W 2" C   | RELOCATED GRADE  |
| EXIST.                                  |  |  |
|   | RVICE EQUIPMENT C. RATING, AND SHALL  ENT AND WIRE SHALL  DUS DUTY.  I, THE ELECTRICAL  INDITIONS IN FIELD  ICAL SERVICE WITH  ANY CHANGES W CONSTRUCTION.  TO EXISTING 3P-70A M.C.B.  EXIST.  1#6 | RVICE EQUIPMENT C. RATING, AND SHALL  ENT AND WIRE SHALL DUS DUTY.  I, THE ELECTRICAL DIDITIONS IN FIELD  GARAGE  ICAL SERVICE WITH  F ANY CHANGES W CONSTRUCTION.  TO EXISTING 3P-70A M.C.B.  EXISTING 4 # 1/0'S 1 # 6 GND THWN CU 2" C  EXISTING 3P 200 S/N  80V  # 394W  EXIST. |

| ٨     | AFG,         | EXISTING   |                               |   | YPE   | EXISTIN | iG    |   | ①                                       |          |       |                               |                           |                     | PANEL                         | RATING                | EXIS   | TING  |   |           |        |
|-------|--------------|--|-------------------------------|---|-------|---------|-------|---|---|----------|-------|-------------------------------|---------------------------|---------------------|-------------------------------|-----------------------|--|---|---|-----------|--------|
|       | OLTS         | 120/208V   | 394W                          | <u>P</u>                                | ANEL  | "A"     |       |   | *************************************** |          |       |                               |                           |                     | POS                           | 42                    |  |   |   |           |        |
|       | BUS KVA      | <u> </u>   | I                             |   |       | WIRE    |       |   |   | Γ.       |       | Т                             |                           |                     | T                             | WIRE                  | T  |   | T                                       | BUS KVA   | \      |
| Α     | В            | Ìc   | LOAD                          |   | COND. | SIZE    | POLE  | AMPS  | CKT.                                    | B        | JS    |                               | CKT.                      | AMPS                | POLE                          | SIZE                  | COND.  | LOAD  | Α                                       | В         | С      |
| 1.34  |              |  | LIGHTS                        | (2)                                     | 1/2"  | 12      | 1     | 20  | 1                                       | -        | +-    | H                             | 2                         | 20                  | 1                             | 12                    | 1/2"   | BATH RECEPT (2)   | 0.2                                     |           |        |
|       | (0.6)        | <del></del>                                      | AHU-1A THRU 1D                | (3)(6)                                  | 1/2"  | 12      | 2     | 15  | 3                                       | H        | +     |                               | 4                         | 20                  | 1                             | 12                    | 1/2"   | STAFF RECEPT (2)  |   | 0.8       |        |
|       | 30.01        | (0.6)  | "                             |   | S     | S       | S     | \$  | 5                                       | H        | 1     | H                             | 6                         | 20                  | 1                             | 12                    | 1/2"   | STAFF RECEPT (2)  |   |           | 0.8    |
| 0.8   |              | 1  | PEDICURE RECEPT               | (3)(5)                                  | 1/2"  | 12      | 1     | 20  | 7                                       |          | 7-    | H                             | 8                         | 20                  | 1                             | 12                    | 1/2"   | SEATING RECEPT (2)  |   |           |        |
|       | 0.8          | <u> </u>   | PEDICURE RECEPT               | (3)(5)                                  | 1/2"  | 12      | 1     | 20  | 9                                       | H        | +     | H                             | 10                        | 50                  | 2                             | 8                     | 3/4"   | CU-1 (3)(6)   |   | 2.5       |        |
|       | V.D          | 0.6  | RECEPTION RECEPT              | (2)                                     | 1/2"  | 12      | 1     | 20  | 11                                      |          | -     |                               | 12                        | S                   | S                             | S                     | \$   | ,   |   |           | 2.5    |
| 0.4   |              |  | STEREO RECEPT                 | (2)                                     | 1/2"  | 12      | 1     | 20  | 13                                      | -        |       |                               | 14                        | 30                  | 2                             | 10                    | 3/4"   | WATER HEATER (2)  | 2.25                                    |           |        |
|       | 0.8          | <b> </b>   | STYLING QUAD                  | (3)                                     | 1/2"  | 12      | 1     | 20  | 15                                      | $\vdash$ | -     |                               | 16                        | \$                  | S                             | \$                    | \$   | "   |   | 2.25      |        |
|       |              | 0.8  | STYLING QUAD                  | (3)                                     | 1/2"  | 12      | 1     | 20  | 17                                      | H        |       | oxed                          | 18                        | 20                  | 1                             | 12                    | 1/2"   | COLOR STUDIO RECEPT (3X5)   | 1                                       |           | 8.0    |
| 0.8   |              |  | STYLING QUAD                  | (3)                                     | 1/2"  | 12      | 1     | 20  | 19                                      |          |       | $oxed{\exists}$               | 20                        | 20                  | 1                             | 12                    | 1/2"   | SHAMPOO RECEPT (3)(5)   |   |           |        |
|       | 0.6          |  | STYLING RECEPT                | (3)                                     | 1/2"  | 12      | 1     | 20  | 21                                      | H        | -     | oxdot                         | 22                        | 30                  | 2                             | 10                    | 3/4"   | STACK WASHER/DRYER (2)  |   | 2.5       |        |
|       |              | 0.6  | RECEPTION RECEPT              | (2)                                     | 1/2"  | 12      | 1     | 20  | 23                                      |          |       |                               | 24                        | S                   | S                             | S                     | S  | *   |   |           | 2.5    |
| 0.8   |              |  | RECEPTION QUAD                | (2)                                     | 1/2"  | 12      | 1     | 20  | 25                                      | <b>—</b> | $\pm$ | $\vdash$                      | 26                        | 20                  | 1 1                           | 12                    | 1/2"   | STYLING RECEPT (2)  |   |           |        |
|       | 0.8          |  | RECEPTION QUAD                | (2)                                     | 1/2"  | 12      | 1     | 20  | 27                                      | H        | +     | oxdot                         | 28                        | 20                  | 1 1                           | 12                    | 1/2"   | CABINET RECEPT (3)  |   | 0.8       |        |
|       |              | 0,8  | STYLING QUAD                  | (2)                                     | 1/2"  | 12      | 1     | 20  | 29                                      | H        | $\pm$ | $oldsymbol{oldsymbol{arphi}}$ | 30                        | 20                  | 1                             | 12                    | 1/2"   | MICROWAVE (3)   |   |           | 1.5    |
| 1.9   |              | 1  | ERV-1                         | (4)(8)(9)                               | 1/2"  | 12      | 2     | 20  | 31                                      | -        | _     | H                             | 32                        | 20                  | 1                             | 12                    | 1/2"   | U.C. REFRIGERATOR (4)   |   |           |        |
|       | 1,9          |  | 1"                            |   | S     | \$      | S     | S   | 33                                      | H        | -     | H                             | 34                        | 20                  | 1                             | 12                    | 1/2"   | SHOW WINDOW RECEPT (4)  |   | 1.2       |        |
|       |              | <b>1</b>   | SPACE                         |   | _     | -       | -     | -   | 35                                      | H        | 1     | 曱                             | 36                        | 20                  | 1                             | 12                    | 1/2"   | SIGN (4)(7)   |   |           | 1,2    |
|       | <del> </del> |  | ,,                            |   |       | -       |       |   | 37                                      |          | _     | H                             | 38                        | -                   | <del>  -</del>                | T -                   | -  | SPACE   | -                                       |           |        |
|       | <del></del>  | <b>1</b>   | ,                             |   | -     | -       |       |   | 39                                      |          | _     | H                             | 40                        | -                   | <b>†</b>                      |                       | -  | "   |   | -         |        |
|       | <del></del>  | <del>                                     </del> | "                             |   | -     |         |       | -   | 41                                      | Ħ        | 1     | H                             | 42                        | <b>-</b>            | -                             | -                     | -  | "   |   |           |        |
| KVA   | ØA 10.       |  | KVA ØB 14.95<br>EE LOAD CALCU | *************************************** | A ØC  | 12.1    | _ CAL | AD CALC<br>CULATED<br>RGEST MOT<br>MAINING LO | LIGHTING<br>OR                          |          | TO    | TAL                           | = 1.34<br>= 5.0<br>DEMAND | KVA @ 1<br>KVA @ 13 | 6.3 = 6.3<br>1.15 =<br>1.93 = | KVA<br>7 KVA<br>7 KVA | ① EX<br>② REI<br>FOR N<br>③ REI<br>AS SC<br>④ PR<br>IN PAI<br>⑤ PR<br>⑥ NO | ARKS & KEY NOTES: ISTING MAIN LUGS ONLY. MOVE EXISTING BRANCH CIRCUIT. R EW BRANCH CIRCUIT AS SCHEDULE! MOVE EXISTING BRANCH CIRCUIT AID HEDULED. OVIDE NEW BRANCH CIRCUIT AND B HEL. DVIDE GFI BREAKER, N-CONCURRENT LOAD. PROVIDE "H RE CIRCUIT THRU TIMECLOCK FOR CI | D,<br>ND BREAK<br>REAKER II<br>ACR" RAT | ER. PROVI | DE NEW |
| FEEDI | ER SIZE      |  | 1/0's THWN<br>5 GND CU        | CONDUIT SI                              | ZE 2  | 2"      |       |   |   |          |       |                               |                           |                     |                               |                       | ® PRI<br>9 VE<br>MANU  | OVIDE "HACR" RATED BREAKER. RIFY ELECTRICAL REQUIREMENTS V FACTURER PRIOR TO BID/CONSTRU  DUNT RECESSED MIN. A.I.C.   | VITH EQUI<br>CTION.                     |           |        |

| ф 110        | V RECEPTACLE                            | 四山     | FUSE DISCONNECT   |
|--------------|---|--------|---|
| <b>₩</b> QU  | AD-PLEX RECEPTACLE                      |        | #POLES <u>FRAME SIZE</u><br>FUSE SIZE<br>NEMA ENCLOSURE |
| BWP WA       | TER PROOF RECEPTACLE                    |        | ELECTRICAL CIRCUIT BREAKER                              |
|              | OUND FAULT CIRCUIT<br>ERRUPTER          |        | ELECTRICAL PANEL  |
| , MN         | OOR RECEPTACLE WITH<br>ASS COVER PLATE; | 8      | ELECTRICAL METER  |
| FLI          | JSH WITH FLOOR                          | ⊠      | FACTORY INSTALLED DISCONN                               |
| <b>●</b> 22  | OV RECEPTACLE                           | (T)    | THERMOSTAT  |
| nut (D       | NCTION BOX                              | 5      | SWITCH  |
| <b>▲</b> TEI | E/FAX/DATA PORT **                      | 53     | 3-WAY SWITCH  |
|              |   | Sp     | DIMMER SWITCH   |
|              | EPHONE BOARD                            | A.F.F. | ABOVE FINISHED FLOOR                                    |
| EF EX        | HAUST FAN                               | A.C.   | ABOVE COUNTER   |

### **ELECTRICAL SPECIFICATIONS**

- 1. DO NOT SCALE THE ELECTRICAL DRAWING. REFER TO THE ARCHITECTURAL PLAN AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT AND CONFIRM WITH OWNERS REPRESENTATIVES.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), 2002 EDITION OF NFPA 72, 2003 EDITION OF NFPA 75, 2006 EDITION OF NFPA 101. 2002 EDITION OF NFPA 110, AND 2007 EDITION OF FBC W/ 2009 SUPPLEMENT.
- UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER, WITH "THHN" INSULATION FOR SIZE #10 AND SMALLER. CONDUCTORS LARGER THAN #10 SHALL HAVE "THWN" INSULATION. ALL CONDUCTORS IN WET LOCATIONS MUST HAVE "THWN" INSULATION. ALL CONDUCTORS #10 AND SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED. ALL CONDUCTORS MUST COMPLY WITH ARTICLE 310 OF THE 2005 NEC.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED
- HUBS IN WET LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK MAKE, QUICK BREAK,
- WITH ENCLOSURES AS REQUIRED BY EXPOSURE. THESE PLANS DO NOT SHOW EVERY MINOR DETAIL OF
- CONSTRUCTION, THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND MEET ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED IN ARTICLE 250, NATIONAL ELECTRICAL CODE. THE GROUNDING SYSTEM SHALL BE TESTED AND SHALL MEASURE A MAXIMUM OF 5 OHMS. PROVIDE A COPY OF THE TEST REPORT TO ENGINEER.
- ALL MATERIALS SHALL BE NEW AND SHALL BEAR U.L. LABELS WHERE APPLICABLE.
- 9. ALL WORK SHALL BE PERFORMED BY A LICENCED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANSHIP MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTANCE BY ENGINEER/ARCHITECT MUST BE A CONDITION OF THE SUBCONTRACTOR.
- 10. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER, LIGHT COMPANY AND TELEPHONE COMPANY.
- 11. CIRCUITS SHOWN ON PLANS ARE TO DETERMINE LOAD DATA AND PANEL SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS TO SUIT JOB CONDITIONS.
- 12. SEE NOTES ON PLANS FOR OTHER REQUIREMENTS. 13. FURNISH AND INSTALL LIGHTING FIXTURES AND LAMPS AS CALLED FOR ON PLANS, OR AS
- SELECTED BY OWNER.
- 14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROCESS OF CONSTRUCTION.
- 15. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND
- MAY BE DAMAGED.
- 16. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 17. CHECK ALL EQUIPMENT FOR PROPER VOLTAGE, PHASE, AND CURRENT BEFORE CONNECTION TO CIRCUITS.
- 18. ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY EQUIPMENT FURNISHED AGAINST THOSE SPECIFIED OR INTENDED AND REVISE BRANCH CIRCUITS AS MAY BE REQUIRED WITH PRIOR APPROVAL OF ENGINEER/ARCHITECT.
- AIR CONDITIONING EQUIPMENT AND CONTROLS SPECIFICATION ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONTROL RACEWAY (CONDUIT), WIRE INSTALLATION, CONNECTIONS ETC. IN ACCORDANCE WITH WIRING DIAGRAMS ON AIR EQUIPMENT.
- 2. A/C / ELECTRICAL PLANS OR DIAGRAMS FURNISHED BY MANUFACTURER OF THE EQUIPMENT.
- 3. ALL POWER WIRING FOR THE AIR CONDITIONING EQUIPMENT SHALL BE FURNISHED, INSTALLED AND CONNECTED UNDER THIS SECTION OF THE SPECIFICATION. MECHANICAL CONTRACTOR SHALL PROVIDE MOTOR STARTERS FOR ALL AIR CONDITIONING
- EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONECTIONS TO AIR CONDITIONING EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. AIR CONDITIONING EQUIPMENT INCLUDES CONDENSOR, COMPRESSOR AND FAN, FAN COIL UNITS, ELECTRICAL STRIP HEATER, THERMOSTAT, ETC.

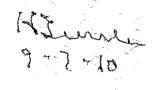
ARCHITECTURE / DESIGN

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JOB NUMBER:10274 DATE: 09-07-10 DRAWN BY: CI/CG/AN APPROVED BY: HRT

SHEET TITLE

POWER PLAN, RISER, PANEL, & SPECS

SHEET NUMBER

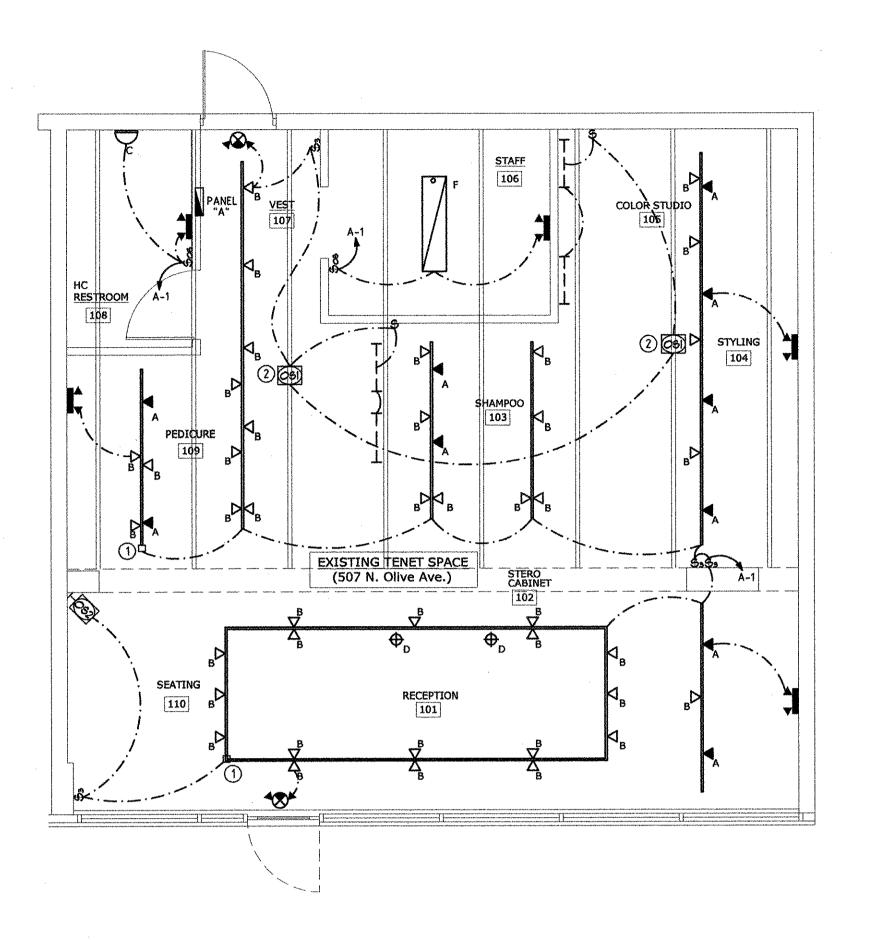
PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

CONSULTING 1640 N.W. BOCA RATON BLVD. BOCA RATON, FL 33432 TEL: (561) 391-9292 FAX: (561) 391-9898

CERTIFICATE OF AUTHORIZATION NO. 28107 HAROLD R. TUBBLER, P.E. LICENSE #19315

E-MAIL: INFO@FAECONSULTING.COM

PERMIT SET: 09-07-10



LIGHTING PLAN

SCALE: 1/4" = 1'-0"

OWNER/ARCHITECT.

▲ A - ECO LITE 18W LED TRACK FIXTURE

∆ B - LED LAMP TRACK FIXTURE

C - 2'-0" VANITY LIGHT -W LAMP D - HANGING PENDANT TRACK FIXTURE

E - SINGLE CIRCUIT TRACK-LENGTH VARIES SEE PLAN

F - 1' x 4' FLORESCENT FIXTURE

EMERGENCY/EXIT COMBO W/ 90 MINUTE BATTERY EMERGENCY LIGHT W/ 90 MINUTE BATTERY

NOTE: TRACK LIGHTING IS TO BE PROVIDED WITH CURRENT LIMITING TRANSFORMERS TO LIMIT THE AMOUNT OF WATTAGE AVAILABLE.

LIGHTING SYMBOL LEGEND ALL FIXTURES ARE TO BE SELECTED BY

INTERIOR LIGHTING POWER ALLOWANCE PER FLORIDA BUILDING CODE, CHAPTER 13, METHOD B CALCULATIONS HAVE BEEN MADE TO VERIFY THAT LIGHTING LEVELS COMPLY WITH CHAPTER 13.

ENERGY SECTION OF THE 2007 FLORIDA BUILDING CODE, WITH 2009 SUPPLEMENT

LIGHTING POWER DENSITIES PER TABLE 13-415.B.1 ALLOWED <u>USED</u> RECEPTION/SEATING 1.7 W/SQ FT x 184 SQ FT = 313 WATTS 600 WATTS (RETAIL): SHAMPOO/NAILS/PEDI/COLOR 1.5 W/SQ FT x 590 SQ FT = 885 WATTS 656 WATTS (TREATMENT): 1.2 W/SQ FT x 79 SQ FT = 95 WATTS 56 WATTS STAFF (LOUNGE):  $0.9 \text{ W/SQ FT} \qquad \times \quad 56 \text{ SQ FT} = \quad 50 \text{ WATTS} \qquad 28 \text{ WATTS}$ RESTROOM: ALL TRACK LIGHTING IS PROVIDED WITH CURRENT LIMITING TRANSFORMERS.

> TOTAL ALLOWED: 1343 WATTS TOTAL USED: 1340 WATTS

### LIGHTING NOTES

1. ALL EXIT, EMERGENCY, AND BATTERY PACKS IN FLUORESCENT FIXTURES TO BE WIRED AHEAD OF CONTROL SWITCH.

2. ALL EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED AT 7'-6"

3. ALL DIMMER SWITCHES SHALL HAVE A PRESET MINIMUM RATING OF

4. ALL FIXTURE COUNTS, SELECTIONS, AND EXACT LOCATIONS MUST BE VERIFIED WITH OWNER/ARCHITECT PRIOR TO PURCHASE. LOCATIONS OF ALL SWITCHES, PENDANT/TRACK LIGHTING, AND WALL SCONCES TO BE VERIFIED WITH OWNER.

5. CONTRACTOR TO VERIFY IF ANY LOW VOLTAGE LIGHT FIXTURES REQUIRE STEP-DOWN TRANSFORMERS, QUANTITY AND LOCATION TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

6. ALL FIXTURES TO HAVE U.L. CERTIFICATION.

7. PROVIDE (6) SETS OF CUT-SHEETS FOR APPROVAL PRIOR TO

8. ALL LUMINAIRES SHALL COMPLY WITH SECTION 410.73.G DISCONNECTING MEANS OF THE NEC.

### **ENERGY COMPLIANCE NOTE**

1. OCCUPANCY SENSORS SHALL BE THE MEANS OF AUTOMATIC LIGHTING SHUTOFF PER FBC 13-415.AB.1 FOR ALL AREAS. OCCUPANCY SENSORS MUST TURN LIGHTS OFF WITHIN 30 MINUTES AFTER AN OCCUPANT LEAVES THE SPACE.

2. RECORD DRAWINGS OF INSTALLATION AND OPERATION MANUALS ARE TO BE PROVIDED TO THE OWNER WITHIN 30 DAYS AS SPECIFIED IN THE FLORIDA BUILDING CODE SECTION 13-413.1.ABC.2.

### LIGHTING CONTROL SYMBOL LEGEND

SENSOR SWITCH (WALL MOUNTED OCCUPANCY SENSOR)
MODEL: WSD-PDT

S SWITCH

\$ THREE-WAY SWITCH

CEILING MOUNTED OCCUPANCY SENSOR - LOW VOLTAGE SENSOR SWITCH #CM-PDT (STANDARD RANGE) (POWER PACK: PP-20, VERIFY QUANTITY)

WALL MOUNTED OCCUPANCY SENSOR - LOW VOLTAGE
SENSOR SWITCH #WV-PDT - MOUNT 7'-6" A.F.F.
(POWER PACK: PP-20, VERIFY QUANTITY)

1. ALL SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

### LIGHTING PLAN KEY NOTES

PROVIDE 600VA CURRENT LIMITING TRANSFORMER FOR TRACK LIGHTING TO COMPLY WITH FBC CHAPTER 13.

2 CONTRACTOR TO MOUNT OCCUPANCY SENSOR TO BOTTOM OF BEAM. COORDINATE EXACT LOCATION IN FIELD.

ARCHITECTURE / DESIGN

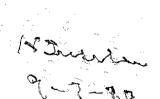
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JOB NUMBER: 10274 DATE: 09-07-10 DRAWN BY: CI/CG/AN APPROVED BY: HRT

SHEET TITLE

LIGHTING PLAN

PERMIT SET: 09-07-10

PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND

INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED.

THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING

FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF

RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.

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SHEET NUMBER

E2.01