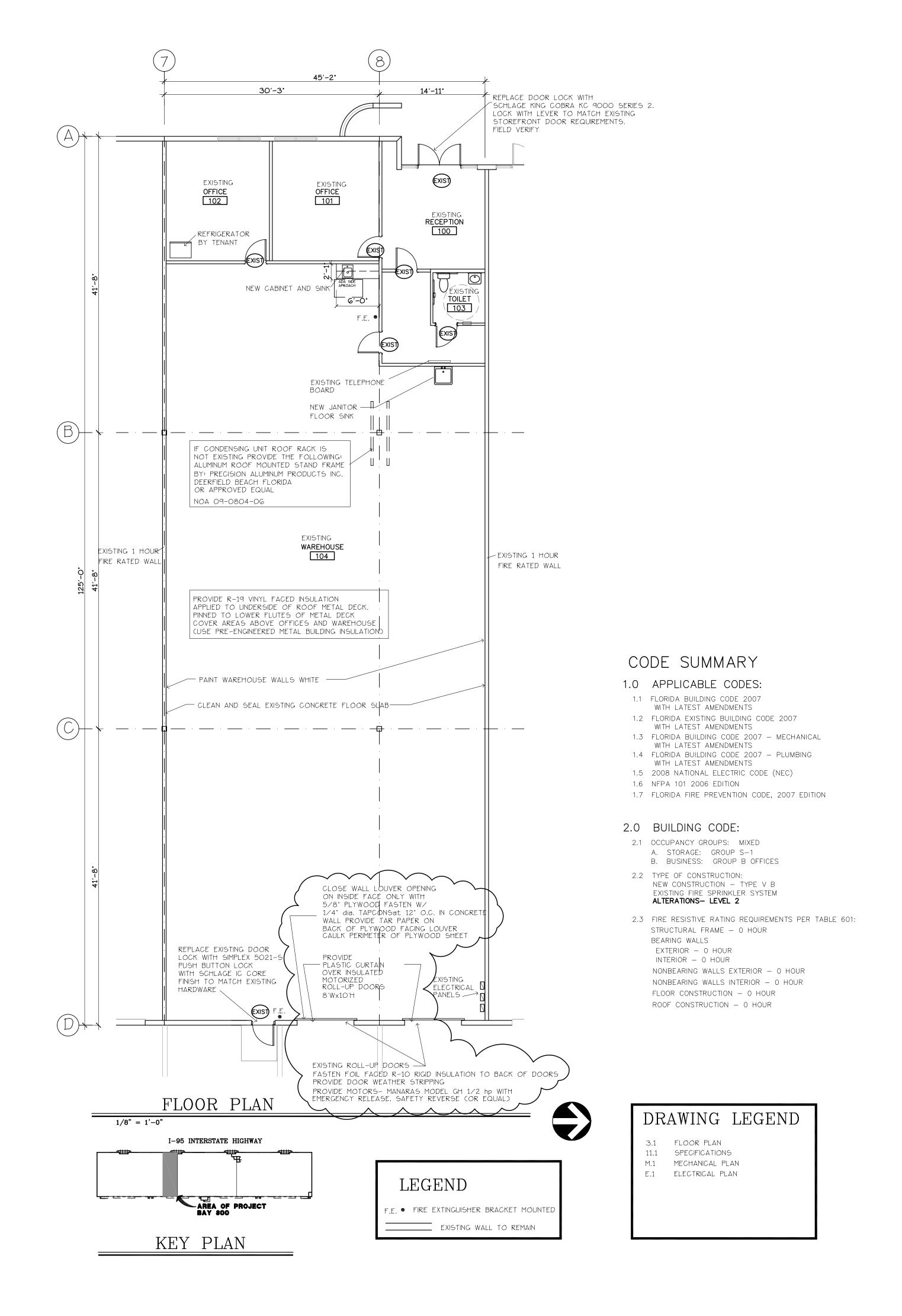


SLAB SAWCUT DETAIL N.T.S.



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DATE: 6/3/11 DRAWN BY: G.P. PROJ. NO. 1113 REVISED: 6/10/11

SHEET:

00 00 00 CONTRACTING REQUIREMENTS

00 21 13 INSTRUCTIONS TO BIDDERS

- 1. CONTRACTOR AND ANY OF ITS SUBCONTRACTORS AS IT DEEMS NECESSARY SHALL VISIT THE PROJECT SITE TO INSPECT AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND BUILDING STANDARDS PRIOR TO SUBMITTING A BID OR EXECUTING A CONSTRUCTION CONTRACT.
- 2. CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR A WORKING KNOWLEDGE OF THIS ENTIRE SET OF DOCUMENTS AND SHALL CHECK AND VERIFY ALL DIMENSIONS, EXISTING CONDITIONS, AND BUILDING STANDARDS EITHER SHOWN ON THE DRAWINGS OR WHICH MAY AFFECT THE WORK SHOWN ON THE DRAWINGS. SUBCONTRACTORS SHALL NOTIFY CONTRACTOR IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH THE WORK. DIMENSIONAL ERRORS SHALL BE REFERRED TO CONTRACTOR FOR REVIEW AND FURTHER CONSIDERATION WITH ARCHITECT. ANY WORK BEGUN PRIOR TO RESOLUTION OF DIMENSIONAL ERRORS SHALL BE CORRECTED AT NO EXPENSE TO THE OWNER.
- 3. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT OF ANY CHANGES OR DEVIATIONS TO THE DRAWINGS THAT ARE PROPOSED OR REQUIRED DURING BIDDING OR CONSTRUCTION OF THE PROJECT. ALSO, CONTRACTOR SHALL MAINTAIN A SEPARATE SET OF PRINTS ON THE PROJECT SITE THAT SHALL BE MARKED WITH ALL CHANGES AND PRESENTED TO OWNER AT THE END OF THE PROJECT AS AS-BUILT" DRAWINGS OF THE WORK.
- 4. BID PRICE SHALL BE BASED ON DRAWINGS AND SPECIFICATIONS. IF SUBSTITUTIONS ARE SUBMITTED, ALTERNATE BID PRICE SHALL BE INCLUDED WITH SUBSTITUTIONS LISTED.
- 5. NO BID MAY BE WITHDRAWN FOR A PERIOD OF 30 DAYS FOLLOWING THE TIME FIXED FOR THE OPENING OF BIDS. THE OWNER RESERVES THE RIGHT TO WAIVE ANY MINOR INFORMALITIES IN THE BIDS AND RESERVES THE RIGHT TO REJECT ANY AND ALL OF THE BIDS.

00 72 00 GENERAL CONDITIONS

- 1. CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE GOVERNED BY ALL APPLICABLE SECTIONS OF THESE DOCUMENTS WITH REFERENCE TO THEIR RESPECTIVE AREAS OF WORK. CONTRACTOR SHALL BE RESPONSIBLE TO ADVISE ITS SUBCONTRACTORS AND SUPPLIERS OF THESE REQUIREMENTS.
- 2. CONTRACTOR SHALL SUBMIT A DETAILED LIST OF ALL SUBCONTRACTORS FOR THIS PROJECT INCLUDING COMPANY NAME, MAILING ADDRESS, CONTACT PERSON, TELEPHONE, FAX, CELLULAR TELEPHONE MUMBERS AND E-MAIL ADDRESS WITHIN 30 DAYS OF CONTRACT EXECUTION. LIST SHALL BE UPDATED AND KEPT FULLY CURRENT BY THE CONTRACTOR.
- 3. DRAWINGS ARE THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE USED BY THE CONTRACTOR OR SUBCONTRACTORS FOR OTHER PROJECTS.

- 1. CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE CONTRACTOR LIABILITY INSURANCE IN THE FOLLOWING MINIMUM AMOUNTS:
- A. INJURY TO ONE PERSON..
- INJURY TO MORE THAN ONE PERSON......\$ 2,000,000.00
- ... 80 PER CENT OF PROJECT VALUE PROPERTY DAMAGE...
- 2. WORK SHALL NOT BEGIN UNTIL CERTIFICATES OF INSURANCE HAVE BEEN FILED WITH THE OWNER.
- 3. CONTRACTOR AND SUBCONTRACTORS SHALL INCLUDE ON ALL THEIR INSURANCE THE OWNER AS ADDITIONALLY INSURED", AND SAID INSURANCE FORMS SHALL REFLECT THIS ADDITION.

01 00 00 GENERAL REQUIREMENTS

01 11 00 SUMMARY OF WORK

- 1. THIS PROJECT CONSISTS OF THE CONSTRUCTION OF TENANT IMPROVEMENTS ON THE SECOND FLOOR OF AN EXISTING OFFICE/MANUFACTURING/WAREHOUSE BUILDING. MAJOR AREAS OF CONSTRUCTION INCLUDE DRYWALL PARTITIONS, ACOUSTICAL CEILINGS, PAINTING, CARPETING, PLUMBING, HVAC, ELECTRICAL SYSTEMS AND FIRE SPRINKLERS..
- 2. CONTRACTOR SHALL PAY ALL PERMIT FEES.
- 3. SUBCONTRACTORS SHALL PAY ALL PERMIT FEES FOR THEIR RESPECTIVE TRADES.
- 4. CONTRACTOR SHALL PAY FOR ALL SALES TAX, PAYROLL TAXES AND WORKERS' COMPENSATION DURING
- 5. DIVISIONS OF THE WORK FOR SUBCONTRACTING PURPOSES SHALL BE AS PER CONTRACTOR'S DIRECTIONS.
- 6. IT SHALL BE THE RESPONSIBILITY OF ALL SUBCONTRACTORS TO HAVE EXAMINED AND REVIEWED THE COMPLETE SET OF WORKING DRAWINGS AND SPECIFICATIONS AND TO PROVIDE ALL LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN WITH THE INTENT OF THE DRAWINGS AND SPECIFICATIONS WHETHER IT IS INDICATED OR NOT. ALL WORK WHETHER INDICATED OR NOT, SHALL BE IN COMPLIANCE WITH ALL BUILDING CODES AND ORDINANCES WHICH ARE APPLICABLE TO THE PROJECT.

01 29 00 PAYMENT PROCEDURES

1. APPLICATION FOR PAYMENT SHALL BE SUBMITTED MONTHLY, IN QUADRUPLICATE, ON AIA DOCUMENT G-702 TO THE OWNER IN ACCORDANCE WITH CONTRACTOR'S CONTRACT. AFTER THE FIRST PAYMENT, EACH SUCCEEDING PAYMENT SHALL BE ACCOMPANIED BY COMPLETED WAIVERS OF LIEN. PAYMENT WILL NOT BE MADE WITHOUT COMPLETED WAIVERS OF LIEN.

01 30 00 ADMINISTRATIVE REQUIREMENTS

01 31 00 PROJECT MANAGEMENT AND CORDINATION

- 1. THE BUILDING WILL BE FULLY OPERATIONAL DURING CONSTRUCTION OF THIS TENANT IMPROVEMENT. CONTRACTOR SHALL PROTECT ALL EXISTING CONDITIONS AND TAKE ALL MEASURES NECESSARY TO ENSURE THE SAFETY OF THE OWNER'S PERSONNEL AND PROPERTY DURING CONSTRUCTION. ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPACED OR REPAIR BY THE CONTRACTOR AT NO COST TO THE OWNER.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF THE VARIOUS TRADES IN ORDER TO PREVENT CONFLICTS BETWEEN THEIR WORK OR WITH THE EXISTING CONDITIONS. SUBCONTRACTORS SHALL COOPERATE WITH EACH OTHER AND WITH THE CONTRACTORR TO PROVIDE MATERIALS AND LABOR THAT ARE NECESSARY IN EACH OTHER'S WORK AT THE PROPER TIMES SO THAT THE CONSTRUCTION SCHEDULE IS MAINTAINED. MATERIALS SHALL BE INSTALLED WITHOUT CREATING CONFLICTS BETWEEN THE WORK OF THE VARIOUS TRADES.
- 3. WHEN A DETAIL, DIMENSION OR REFERENCE IS INDICATED AS TYPICAL" IT APPLIES TO ALL SIMILAR SITUATIONS, WHETHER INDICATED OR NOT. SECTIONS OR DETAILS (UNLESS OTHERWISE NOTED) APPLY TO ALL SIMILAR SITUATIONS.
- 4. TYPICAL DIMENSIONS (UNLESS OTHERWISE NOTED) ARE TAKEN FROM THE FACE OF CONCRETE, CONCRETE MASONRY BLOCK OR METAL STUDS. DO NOT SCALE DRAWINGS! VERIFY DIMENSIONS IN FIELD AND NOTIFY CONTRACTOR OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.

01 33 00 SUBMITTAL PROCEDURES

1. ALL SHOP DRAWINGS AND PRODUCT SUBMITTALS CALLED FOR IN THE DRAWINGS AND SPECIFICATIONS OR AS REQUIRED TO EXECUTE THE WORK PROPERLY SHALL BE SUBMITTED PROMPTLY. UP TO TEN WORKING DAYS SHALL BE ALLOWED FOR APPROVAL AND RETURN OF SHOP DRAWINGS FROM ARCHITECT.

01 41 00 REGULATORY REQUIREMENTS

- 1. ALL WORK SHALL BE PERFORMED IN COMPLETE ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE WITH LATEST AMENDMENTS, AND OTHER CODES, REGULATIONS, STATUTES AND ORDINANCES THAT ARE APPLICABLE. CONTRACTOR AND SUBCONTRACTORS SHALL EXERCISE ALL DUE DILIGENCE IN MAINTAINING A SAFE WORKING ENVIRONMENT AND SHALL ABIDE BY ALL OSHA REGULATIONS.
- 2. TOLERANCES SHALL BE IN COMPLIANCE WITH CUSTOMARY INDUSTRY PRACTICE AND PUBLISHED STANDARDS.

01 74 00 CLEANING AND WASTE MANAGEMENT

- 1. CLEANING: DURING CONSTRUCTION THE CONTRACTOR SHALL:
- A. OVERSEE CLEANING AND ENSURE THAT GROUNDS ARE MAINTAINED FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH.
- B. REMOVE WASTE MATERIALS, RUBBISH, AND DEBRIS FROM THE SITE AND LEGALLY DISPOSE OF AT PUBLIC OR PRIVATE DUMPING AREAS OFF THE PROJECT SITE.
- C. BROOM CLEAN INTERIOR AREA ON AN AS NEEDED BASIS UNTIL BUILDING IS READY FOR ACCEPTANCE OR OCCUPANCY.
- 2. SPECIAL CLEANING: BESIDES THE GENERAL BROOM CLEANING, DESIGN BUILDER SHALL DO THE FOLLOWING SPECIAL CLEANING AT COMPLETION OF WORK (FOR ALL TRADES), USING ONLY CLEANING MATERIAL RECOMMENDED BY MANUFACTURER OF SURFACE TO BE CLEANED AND ONLY ON SURFACES RECOMMENDED BY CLEANING MATERIAL MANUFACTURER:
- A. CLEAN ALL HARDWARE AND FIXTURES FOR ALL TRADES INCLUDING REMOVAL OF ALL STAINS, DUST, PAINT, ETC., UPON COMPLETION.

01 77 00 CLOSEOUT PROCEDURES

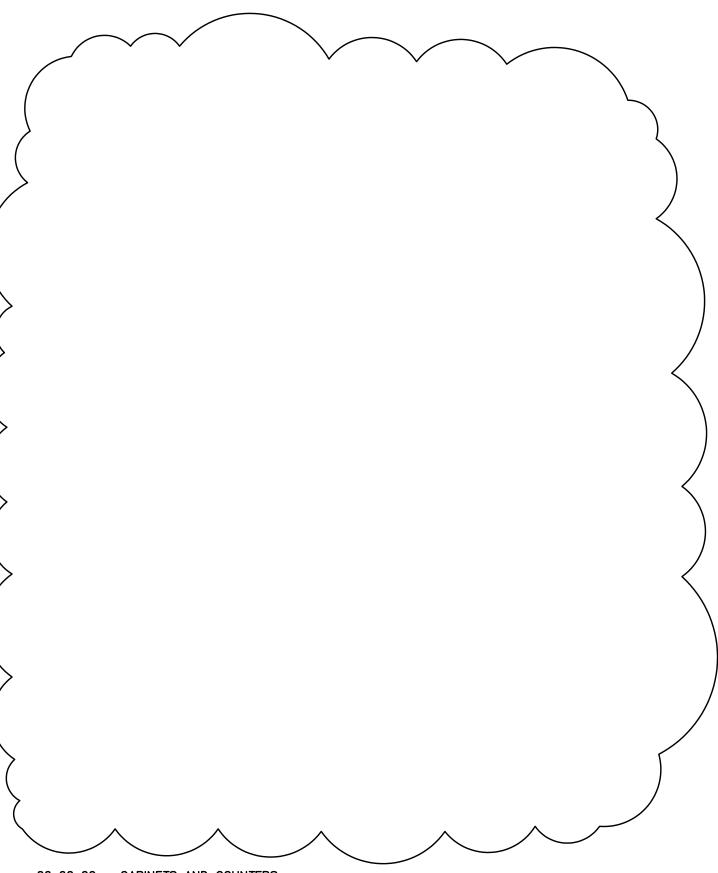
- 1. MANUALS FOR OPERATING MACHINERY AND EQUIPMENT SHALL BE DELIVERED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- 2. GUARANTY AND WARRANTY: THE CONTRACTOR SHALL WARRANTY AND/OR GUARANTY ALL MATERIALS AND WORKMANSHIP AND MOVABLE OR ADJUSTABLE WORK SHALL REMAIN IN PERFECT WORKING CONDITION, INCLUDING BUT NOT LIMITED TO: HARDWARE, DOORS, FIXTURES AND ALL OTHER EQUIPMENT FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. AT THE END OF THE WORK THE CONTRACTOR SHALL FURNISH THE OWNER WITH ALL WRITTEN EQUIPMENT/FIXTURE GUARANTIES AND/OR WARRANTIES FURNISHED BY THE MANUFACTURER FOR ALL EQUIPMENT/FIXTURES WHETHER OR NOT SUCH GUARANTY IS REQUESTED IN THE PLANS AND SPECIFICATIONS. COPIES OF PURCHASE ORDERS OR INVOICES SHALL BE FURNISHED FOR GUARANTY OR WARRANTY PURPOSES UPON THE REQUEST OF THE
- 3. AS-BUILT DRAWINGS: DURING CONSTRUCTION, THE CONTRACTOR SHALL MARK ALL CHANGES ON A SET OF "AS-BUILT" PRINTS AS THE WORK PROGRESSES. ACCURATELY DIMENSIONED LOCATIONS AND ELEVATIONS MUST BE RECORDED FOR ALL UNDERGROUND UTILITIES. UPON COMPLETION OF THE WORK AND PRIOR TO THE REQUEST FOR FINAL PAYMENT, THE CONTRACTOR SHALL DELIVER TO THE OWNER THE COMPLETED SET OF "AS-BUILT" PRINTS.

06 00 00 WOOD, PLASTICS, AND COMPOSITES

06 10 00 ROUGH CARPENTRY

1. SCOPE OF WORK: FURNISH AND INSTALL ALL WOOD FRAMING AND BLOCKING INDICATED ON THE DRAWINGS OR AS SPECIFIED HEREIN.

- 2. REFER TO STRUCTURAL SPECIFICATIONS FOR LUMBER REQUIREMENTS.
- 3. INSTALL WOOD BLOCKING AT ALL BUILT IN ACCESSORIES.
- 4. ALL WOOD BLOCKING IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.
- 4. ALL WOOD BLOCKING IN FIRE RATED PARTITIONS SHALL BE FIRE TREATED.



06 60 00 - CABINETS AND COUNTERS

- 1. SCOPE OF WORK: FURNISH AND INSTALL ALL CABINETS, COUNTERTOPS AND THERMOFOIL DOOR AND
- 2. SUBMITTALS: SUBMIT 6 COPIES OF SHOP DRAWINGS SHOWING EACH CABINET AND TRIM TYPE AND INDICATING ALL MATERIALS AND FASTENINGS. SUBMIT MANUFACTURER'S STANDARD PLASTIC LAMINATE COLOR CHARTS.
- MATERIALS:
 - A. PLASTIC LAMINATE/MELAMINE: PLASTIC LAMINATE SHALL BE FORMICA, WILSONART OR COMPARABLE PRODUCT BY OTHER MANUFACTURERS.
 - VERTICAL SURFACES: 1/32 INCH THICK (COLOR AND PATTERN TO BE SELECTED) COUNTERTOP SURFACE: DRAWER INTERIORS: MELAMINE 3/4 INCH EXTERIOR PLYWOOD WITH EXTERIOR GLUE COUNTERTOP:

3/4 INCH 45 LB. DENSITY PARTICLE BOARD

- CABINETS: FULLY WATERPROOF AS RECOMMENDED BY LAMINATE 6) ADHESIVES: MANUFACTURER.
- B. HARDWARE: KNAPE AND VOGT #1429 DRAWER SLIDES: CABINET DOOR HINGES: STANLEY #1501, CONCEALED, SELF-CLOSING
- H.B. IVES #327A92 AND #325A92 MAGNETIC CATCHES: H.B. IVES #37-B26 WIRE PULLS: POLISHED CHROME 5) HARDWARE FINISH:
- 4. COUNTERTOP FINISH: TO BE SELECTED FROM MANUFACTURER'S STANDARD CHIPS.
- A. CABINETS AND COUNTERTOPS SHALL BE ERECTED STRAIGHT, PLUMB AND FASTENED RIGIDLY TO BACKING FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- B. ALL EVIDENCE OF DRILLING, CUTTING, AND FITTING SHALL BE CONCEALED IN FINISHED WORK. C. CAREFULLY ADJUST HARDWARE AND LEAVE ALL DOORS AND DRAWERS IN PERFECT WORKING

ORDER. FINISHED SURFACES SHALL BE CLEANED AND LEFT FREE OF IMPERFECTIONS.

09 91 00 PAINTING

- 1. SCOPE OF WORK: PROVIDE LABOR, MATERIALS AND EQUIPMENT FOR PROPER EXECUTION OF THIS WORK WHICH INCLUDES BUT IS NOT LIMITED TO SURFACE PREPARATION AND FIELD APPLICATION OF COATINGS ON ALL INTERIOR DRYWALL, WOOD DOORS AND DOOR FRAMES.
- 2. MATERIALS: PAINTS: PRODUCTS OF THE SHERWIN-WILLIAMS COMPANY OR APPROVED COMPARABLE PRODUCTS BY OTHER MANUFACTURERS.
- 3. COLOR SCHEDULE: COLORS SHALL BE SELECTED BY OWNER.

DESIGNATION, AND INSTRUCTIONS FOR MIXING AND REDUCING.

- 4. SUBMITTALS: SUBMIT 6 COPIES OF MANUFACTURER'S PRODUCT DATA ON ALL FINISHING PRODUCTS INCLUDING VOC CONTENT. SUBMIT PAINTING SCHEDULE PRIOR TO PREPARATION OF SURFACES TO BE
- 5. DELIVERY, STORAGE AND HANDLING
- A. DELIVER PRODUCTS TO SITE IN SEALED AND LABELED CONTAINERS; INSPECT TO VERIFY ACCEPTABILITY. B. CONTAINER LABEL: INCLUDE MANUFACTURER'S NAME, TYPE OF PAINT, BRAND NAME, LOT NUMBER, BRAND CODE, COVERAGE, SURFACE PREPARATION, DRYING TIME, CLEANUP REQUIREMENTS, COLOR
- C. PAINT MATERIALS: STORE AT MINIMUM AMBIENT TEMPERATURE OF 45 DEGREES F AND A MAXIMUM IF 90 DEGREES F, IN VENTILATED AREA, AND AS REQUIRED BY THE MANUFACTURER'S INSTRUCTIONS.

FIELD CONDITIONS

- A. DO NOT APPLY MATERIALS WHEN SURFACE AND AMBIANT TEMPERATURES ARE OUTSIDE THE TEMPERATURE RANGES REQUIRED BY THE PAINT PRODUCT MANUFACTURER.
- B. FOLLOW MANUFACTURER'S RECOMMENDED PROCEDURES FOR PRODUCING BEST RESULTS, INCLUDING. TESTING OF SUBSTRATES, MOISTURE IN SUBSTRATES, AND HUMIDITY AND TEMPERATURE LIMITATIONS.
- C. MAXIMUM APPLICATION TEMPERATURES FOR LATEX PAINTS: 45 DEGREES F FOR INTERIOR, 50 DEGREES F FOR EXTERIOR, UNLESS REQUIRED OTHERWISE BY MANUFACTURER'S INSTRUCTIONS.
- D. PROVIDE LIGHTING LEVEL OF 60 FT. CANDLES MEASURED MID-HEIGHT AT SUBSTRATE SURFACE.

7. PAINTS AND COATINGS — GENERAL

- A. ALL PAINT SHALL BE MANUFACTURER'S TOP OF LINE PRODUCT.
- B. PAINTS AND COATINGS: READY MIXED, UNLESS INTENDED TO BE A FIELD-CATALYZED COATING. TESTING OF SUBSTRATES, MOISTURE IN SUBSTRATES, AND HUMIDITY AND TEMPERATURE LIMITATIONS.
- 1) PROVIDE PAINTS AND COATINGS OF A SOFT PASTE CONSISTENCY, CAPABLE OF BEING READILY AND UNIFORMLY DISPERSED TO A HOMOGENEOUS COATING, WITH GOOD FLOW AND BRUSHING PROPERTIES, AND CAPABLE OF DRYING OR CURING FREE OF STREAKS OR SAGS.
- 2) SUPPLY EACH COATING MATERIAL IN QUANTITY REQUIRED TO COMPLETE ENTIRE PROJECT'S WORK FROM A SINGLE PRODUCTION RUN.
- 3) DO NOT REDUCE, THIN, OR DILUTE COATINGS OR ADD MATERIALS TO COATINGS UNLESS SUCH PROCEDURE IS SPECIFICALLY DESCRIBED IN MANUFACTURER'S PRODUCT INSTRUCTIONS.
- C. PRIMERS: WHERE THE MANUFACTURER OFFERS OPTIONS ON PRIMERS FOR A PARTICULAR

SUBSTRATE, USE PRIMER CATEGORIZED AS "BEST" BY THE MANUFACTURER.

- D. VOLATILE ORGANIC COMPOUND (VOC) CONTENT:
- 1) PROVIDE COATINGS THAT COMPLY WITH THE MOST STRINGENT REQUIREMENTS SPECIFIED IN THE
- a. 40 CFR 59, SUBPART D-NATIONAL VOLATILE ORGANIC COMPOUND EMISSION STANDARDS FOR ARCHITECTURAL COATINGS.
- 2) DETERMINATION OF VOC CONTENT: TESTING AND CALCULATION IN ACCORDANCE WITH 40 CFR 59 SUBPART D (EPA METHOD 24), EXCLUSIVE OF COLORANTS ADDED TO A TINT BASE AND WATER ADDED AT PROJECT SITE; OR OTHER METHOD ACCEPTABLE TO AUTHORITIES HAVING

- A. VERIFY THAT SURFACES ARE READY TO RECEIVE WORK AS INSTRUCTED BY THE PRODUCT
- B. EXAMINE SURFACES SCHEDULED TO BE FINISHED PRIOR TO COMMENCEMENT OF WORK. REPORT ANY CONDITION THAT MAY POTENTIALLY AFFECT PROPER APPLICATION.
- C. TEST SHOP APPLIED PRIMER FOR COMPATIBILTY WITH SUBSEQUENT COVER MATERIALS.
- D. MEASURE MOISTURE CONTENT OF SURFACES USING AN ELECTRONIC MOISTURE METER. DO NOT APPLY FINISHES UNLESS MOISTURE CONTENT OF SURFACES ARE BELOW THE FOLLOWING MAXIMUMS: 1) GYPSUM WALLBOARD: 12%:
- 2) INTERIOR WOOD: 15%, MEASURED IN ACCORDANCE WITH ASTM D2016.:

- A. CLEAN SURFACES THOROUGHLY AND CORRECT DEFECTS PRIOR TO COATING APPLICATION.
- B. PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT UNDER THE PROJECT CONDITIONS.
- C. REMOVE OR MASK SURFACE APPURTENANCES, INCLUDING ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM. ESCUTCHEONS AND FITTINGS, PRIOR TO PREPARING SURFACES OR FINISHING.
- D. SURFACES: CORRECT DEFECTS AND CLEAN SURFACES WHICH AFFECT WORK OF THIS SECTION. REMOVE OR REPAIR EXISTING COATINGS THAT EXHIBIT SURFACE DEFECTS.
- E. SEAL SURFACES THAT MIGHT CAUSE BLEED THROUGH OR STAINING OF TOPCOAT.
- F. REMOVE MILDEW FROM IMPERVIOUS SURFACES BY SCRUBBING WITH SOLUTION OF TETRA-SODIUM

PHOSPHATE AND BLEACH. RINSE WITH CLEAN WATER AND ALLOW SURFACE TO DRY.

- G. DRYWALL SURFACES TO BE PAINTED: FILL MINOR DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR.
- H. WOOD DOORS TO BE FIELD-FINISHED: SEAL WOOD DOOR TOP AND BOTTOM EDGE SURFACES WITH CLEAR SEALER

10. APPLICATION

- A. APPLY PRODUCTS IN ACCORDANCE WITH MANUFACURER'S INSTRUCTIONS. B. DO NOT APPLY FINISHES TO SURFACES THAT ARE NOT DRY. ALLOW APPLIED COATS TO DRY BEFORE
- NEXT COAT IS APPLIED.
- C. APPLY EACH COAT TO UNIFORM APPEARANCE. D. SAND WOOD AND METAL SURFACES LIGHTLY BETWEEN COATS TO ACHIEVE REQUIRED FINISH.
- E. REINSTALL COVER PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS REMOVED PRIOR TO PAINTING.

- A. COLLECT WASTE MATERIAL THAT COULD CONSTITUTE A FIRE HAZARD, PLACE IN CLOSED METAL
- 12. SCHEDULE SURFACES TO BE FINISHED
- A. DO NOT PAINT OR FINISH THE FOLLOWING ITEMS:

CONTAINERS, AND REMOVE DAILY FROM SITE.

- 1) ITEMS FULLY FACTORY-FINISHED UNLESS SPECIFICALLY NOTED.
- 2) EQUIPMENT SERIAL NUMBER AND CAPACITY LABELS. 3) FIRE SPRINKLER PIPING, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS.

B. PAINT THE SURFACES DESCRIBED BELOW UNDER SCHEDULE - PAINT SYSTEMS.

- 13. SCHEDULE PAINT SYSTEMS
- A. EXTERIOR NO PAINTING REQUIRED

B. INTERIOR:

- 1) METAL (GALVANIZED)
- 1st COAT: S-W ALL SURFACE ENAMEL PRIMER, A41W210 (10 MILS WET, 5 MILS DRY)
- 2nd COAT: S-W PROMAR 200 LATEX SEMI-GLOSS, B31W200 SERIES 3rd COAT: S-W PROMAR 200 LATEX SEMI-GLOSS, B31W200 SERIES (4 MILS WET, 1.7 MILS DRY PER COAT)
- 2) METAL (MISCELLANEOUS IRON, HOLLOW METAL FRAMES)
- 1st COAT: S-W ALL SURFACE ENAMEL PRIMER, A41W210
- (10 MILS WET, 5 MILS DRY) 2nd COAT: S-W PROMAR 200 LATEX SEMI-GLOSS, B31W2200 SERIES
- 3rd COAT: S-W PROMAR 200 LATEX SEMI-GLOSS, B31W2200 SERIES (4 MILS WET, 1.5 MILS DRY PER COAT)
- 3) GYPSUM DRYWALL (FLAT FINISH CEILINGS) 1st COAT: S-W PREPRITE 200 LATEX PRIMER, B28 SERIES
- (4 MILS WET, 1.2 MILS DRY) 2nd COAT: S-W HARMONY LOW ODOR INTERIOR LATEX FLAT, BO5 SERIES
- 3rd COAT: S-W HARMONY LOW ODOR INTERIOR LATEX FLAT, BO5 SERIES (4 MILS WET, 1.5 MILS DRY PER COAT)
- 4) GYPSUM DRYWALL (EG-SHEL FINISH WALLS) 1st COAT: S-W HARMONY LOW ODOR INTERIOR LATEX PRIMER, B11 SERIES
- (4 MILS WET, 1.3 MILS DRY) 2nd COAT: S-W HARMONY LOW ODOR INTERIOR LATEX EG-SHEL, B09 SERIES
- 3rd COAT: S-W HARMONY LOW ODOR INTERIOR LATEX EG-SHEL, B09 SERIES (4 MILS WET, 1.6 MILS DRY PER COAT)
- 5) GYPSUM DRYWALL (EPOXY SYSTEM, WATER BASE WALLS)
- 1st COAT: S-W HARMONY LOW ODOR INTERIOR LATEX PRIMER, B11 SERIES (4 MILS WET, 1.3 MILS DRY) 2nd COAT: S-W WATERBASED CATALYZED EPOXY, B70 SERIES / B60V25

3rd COAT: S-W WATERBASED CATALYZED EPOXY, B70 SERIES / B60V25

- (2.5 3 MILS DRY PER COAT)
- 6) WOOD DOORS (EG-SHEL FINISH) 1st COAT: S-W HARMONY LOW ODOR INTERIOR LATEX PRIMER, B11W900 (4 MILS WET, 1.3 MILS DRY)
- 2nd COAT: S-W HARMONY LOW ODOR INTERIOR LATEX EG-SHEL, B9 SERIES 3rd COAT: S-W HARMONY LOW ODOR INTERIOR LATEX EG-SHEL, B9 SERIES
- (4 MILS WET, 1.6 MILS DRY PER COAT)

10 00 00 - SPECIALTIES

10 44 00 FIRE PROTECTION SPECIALTIES

- 1. SCOPE OF WORK: FURNISH AND INSTALL ALL FIRE EXTINGUISHER
- 2. MATERIALS: AS MANUFACTURERED BY LARSEN'S MANUFACTURING COMPANY OR APPROVED EQUAL.
- A. EXTINGUISHERS: 2A-10BC. 3. LOCATIONS: INSTALL EXTINGUISHERS IN LOCATIONS SHOWN ON THE DRAWINGS.
- 4. INSTALLATION: IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.

23 00 00 HEATING, VENTILATING, AND AIR-CONDITIONING: REFER TO AIR-CONDITIONING DRAWINGS

26 00 00 ELECTRICAL: REFER TO ELECTRICAL DRAWINGS

22 00 00 PLUMBING: REFER TO PLUMBING DRAWINGS

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DATE: 6/3/11 DRAWN BY: G.P. PROJ. NO. 1013 REVISED: 6/10/11

GENERAL HVAC NOTES

1.VISIT THE SITE PRIOR TO SUBMITTING A BID. DETERMINE THE CHARACTERISTICS OF EXISTING FACILITIES WHICH WILL AFFECT PERFORMANCE OF THE WORK, BUT WHICH ARE NOT SHOWN ON THE DRAWINGS.

2.PROVIDE ALL LABOR PERMITS, MATERIAL, TOOLS, SUPPLIES, EQUIPMENT TO INSTALL A COMPLETE AND OPERATING AIR CONDITIONING SYSTEM. INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES. 3.PAY ALL COSTS OF PERMIT INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.

4.CONTRACTOR SHALL SUBMIT, FOR APPROVAL FIVE [5] COPIES OF MANUFACTURERS DRAWINGS FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT.

5.ALL CONDITIONED AIR DUCTWORK SHALL BE FIBERGLASS, R=6.0 MIN. FOR DUCTWORK IN ATTIC & R4.2 MIN FOR DUCTWORK BELOW CEILING INSULATION. ALL EXHAUST & DUTSIDE AIR DUCTWORK SHALL BE GALVANIZED STEEL. ALL ERV DUCTWORK SHALL BE GALVANIZED STEEL, ALL BENDS GREATER THAN 45 DEGREES SHALL HAVE TURNING VANES. CONTRACTOR SHALL VERIFY ALL CLEARANCES AND ADJUST FOR FIELD CONDITIONS PRIOR TO CONSTRUCTING ANY DUCTWORK. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. INSTALL ALL DUCTWORK PER APPROPRIATE SMACNA STANDARD. ANY DUTSIDE AIR INTAKE DUCTWORK LOCATED IN THE TRUSSES SHALL BE INSULATED WITH R6 DUCT WRAP, ERV SUPPLY DUCTWORK TO THE AHU & ERV EXHAUST DUCTWORK FROM THE ROOM TO THE ERV SHALL BE INSULATED WITH R6 DUCT WRAP.

6.THE CONTRACTOR SHALL FURNISH A WRITTEN WARRANTY THAT SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT. ANY BREAK-DOWN OCCURRING IN THE FIRST YEAR SHALL BE REPAIRED AT NO COST TO THE OWNER. A/C COMPRESSORS SHALL HAVE A 5 YEAR GUARANTEE.

7.PROVIDE & INSTALL ALL CONTACTORS, RELAYS, AND CONTROLS.

8.HVAC CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT FOR ALL MECHANICAL SYSTEMS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLS, RETURN GRILLS, AND EXHAUST GRILLS AND THE LEAVING AND ENTERING AIR TEMPERATURE (F) FROM AT EACH EVAPORATOR COIL. INCLUDE ALL VOLTAGE AND AMPERAGE FOR EACH MOTOR. THE REPORT SHALL BE DONE BY AN INDEPENDANT T&B CONTRACTOR LICENSED BY THE STATE OF FLORIDA AND SUBMITTED TO THE ARCHITECT.

9.ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSED SURFACE OFF WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ARCHITECT, DEVICES SHALL BE TITUS OR METALAIRE.

10.ALL BRANCH TAKE OFFS TO BE PROVIDED W/ MANUAL VOLUME DAMPERS. ALL ELBOWS AND TEES MUST BE FURNISHED W/TURNING VANES, PROVIDE MANUAL VOLUME DAMPERS WITH EXTRACTOR AT ALL FLEX TAKE OFFS.

11.PROVIDE NEW FILTERS FOR ALL AIR HANDLERS BEFORE STARTING THEM. REPLACE FILTERS PRIOR TO FINAL ACCEPTANCE BY OWNER.

12. FIRE DAMPERS SHALL BE STYLE B WITH THE BLADES DUT OF THE AIRSTREAM. DAMPERS FOR RECTANGULAR DUCTS SHALL BE EQUAL TO RUSKIN #D-IBD2 WITH 1 1/2 HOUR RATING & DAMPERS FOR ROUND DUCT SHALL BE EQUAL TO RUSKIN #D-IBD2-CR WITH 1 1/2 HOUR RATING.

13. ALL PENETRATIONS OF FIRE RESISTIVE ASSEMBLIES INCLUDING FLOOR ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED THROUGH STOP ASSEMBLY AND INSPECTED FOR COMPLIANCE PRIOR TO CLOSE IN. THE CONTRACTOR MUST VISIT THE SITE & REVIEW THE ARCHITECTURAL PLANS PRIOR TO BID TO LOCATE ALL NEW FIRE WALLS & ANY EXISTING MECHANICAL DUCTWORK, PIPING, ETC. THAT WILL REQUIRE NEW FIRE DAMPERS OR THROUGH STOPS, ALL COSTS SHALL BE INCLUDED IN THE BID.

14. THE DESIGN & INSTALLATION OF THE MECHANICAL SYSTEMS & ALL APPURTEN-ANCES SHALL COMPLY STRICTLY WITH THE APPLICABLE PROVISIONS OF THE FLORIDA BUILDING MECHANICAL CODE & THE LOCAL AMENDMENTS TO THE FLORIDA BUILDING MECHANICAL CODE.

15.PROVIDE A 10 FOOT MINIMUM CLEARANCE FROM ALL VENTS THROUGH ROOF (VTR) AND EXHAUST FANS TO OUTSIDE AIR INTAKES. 16.ALL STORAGE ROOMS, TOILETS, ETC, WILL HAVE UNDERCUT DOORS TO

17.A/C CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS WORK FOR SIZE, LOCATION, CLEARANCE, ACCESS AND ELECTRICAL CHARACTERISTICS WITH ALL OTHER TRADES AND TO PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW BEFORE INSTALLATION OF DUCTWORK OR EQUIPMENT. SHOP DRAWINGS WILL INCLUDE BEAM OR STRUCTURE ELEVATION & REQUIRED

PROVIDE VENTILATION REQUIRED WHEN DOOR OR TRANSFER GRILLES ARE NOT

18.COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS.

EQUIPMENT ACCESS AREAS.

19.COORDINATE LOCATION OF AHU'S, THERMOSTATS, FANS AND DUCTWORK WITH BUILDING STRUCTURE AND OTHER TRADES SO THAT NO INTERFERENCES

20.MECHANICAL PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING, ELECTRICAL AND STRUCTURAL PLANS. DUCT BENDS AND TRANSITIONS WILL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

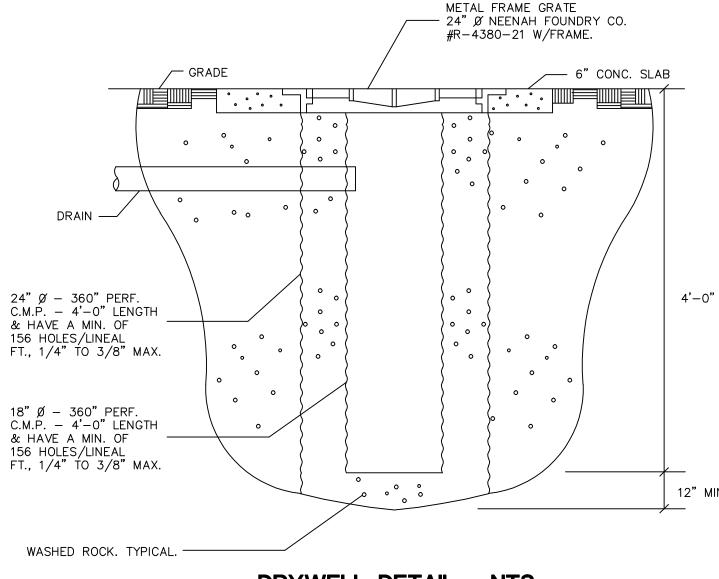
21.FAN DRIVES SHALL BE ADJUSTED TO DELIVER THE SPECIFIED CFM AGAINST THE ACTUAL STATIC PRESSURE OF THE INSTALLATION. 22.ALL DUTSIDE EQUIPMENT SHALL BE SECURED TO WITHSTAND 140 M.P.H.

23.ALL REFRIGERANT LINES SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. MATERIAL SHALL BE TYPE "L" COPPER INSULATED WITH 3/4" ARMAFLEX. EXTERIOR ARMAFLEX SHALL BE COATED PER MANUFACTURERS RECOMMENDATIONS.

24.ALL UNITS SHALL BE PROVIDED W/ HONEYWELL ELECTRONIC PROGRAMMABLE THERMOSTATS.

25.ALL CONDENSATE DRAIN PIPING SHALL BE SCH 40 PVC WITH 1/2"

THICK TYPE 'G' CELLULAR FOAM INSULATION, K=0.28 MINIMUM.



AIR CONDITIONING SCHEDULE

1 &2 (RELOCATED)

RHLL-HM6024JA

55. 5" X24. 5" X22"

0. 75/4. 6

240-208/1

240-208/1

36" X32" X32"

R-410

58000

40050

13. 5

5, 0

CALCULATIONS PER FMC CHAPTER 4 & ASHRAE 62. 1.

WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.

INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.

FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.

WAREHOUSE: (0, 06 CFM/SF X 4654 SF)

AIR DEVICE SCHEDULE

MANUFACTURED BY TITUS.

300-FS-AA ALUMINUM

2. COLOR SHALL BE WHITE.

3.ALL MATERIALS SHALL BE NEW.

THE DURATION OF THE WORK.

OF FIXTURES, PIPING AND EQUIPMENT

ENGINEER OF ANY DISCREPANCIES.

IN PIPING AND EQUIPMENT CONNECTIONS.

INSTALLATION WHICH MAY HAVE BEEN DAMAGED.

GENERAL CONTRACTOR PRIOR TO INSTALLATION.

PLUMBING FIXTURE SCHEDULE

LRAD-1316-6. 5" D

BUILDING PLUMBING CODE.

SS SINK

MARK FIXTURE DESCRIPTION

MOP SINK FIAT

FLOOR MTD. MSB2424

14.ALL CONDENSATE DRAIN PIPING SHALL BE SCH 40 PVC.

PVC IF CODE PERMITS.

PLUMBING NOTES

MODEL NUMBERS BASED ON TRANE.

SYSTEM

MODEL

HP/FLA

HEAT KW @208V VOLTS-PH

FUSE 240V/208V

WEIGHT (LBS)

CONDENSING

VOLTS-PH

OD FAN FLA

WEIGHT (LBS)

REFRIGERANT

TOTAL BTUH

SYSTEM - #1

CFM REQUIRED

CFM SUPPLIED

MODEL

TOT, SENS,

SYSTEM

SEER

COMP FLA

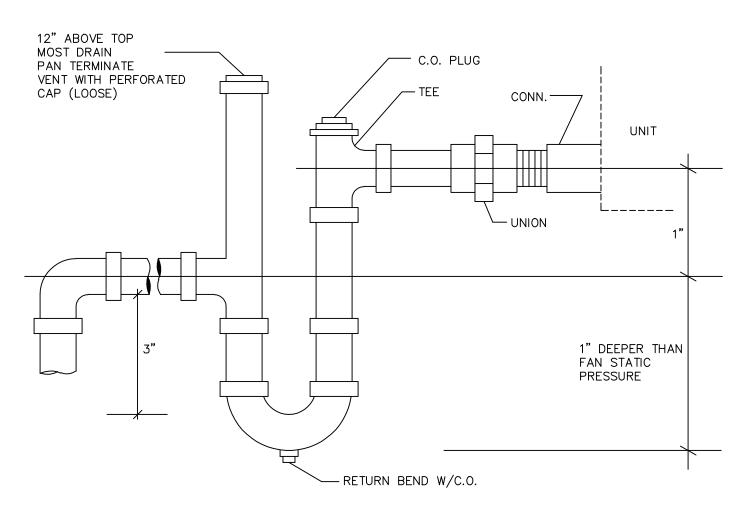
DIMENSIONS (HXWXD)

DIMENSIONS (HXWXD)

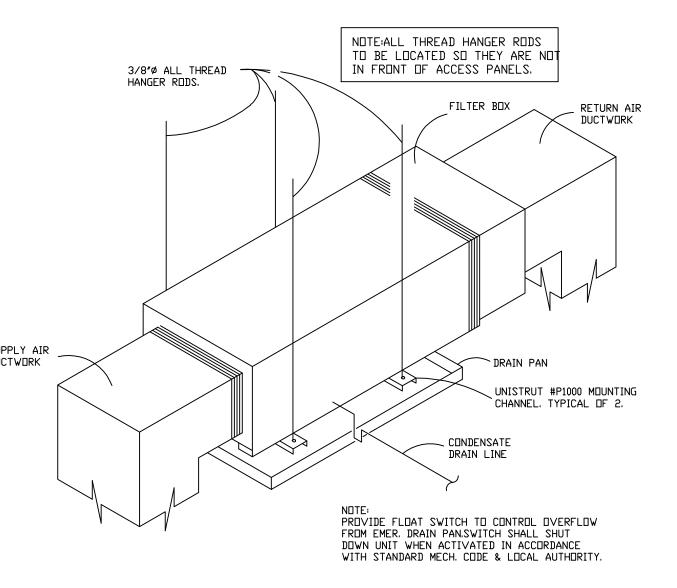
CFM

UNIT

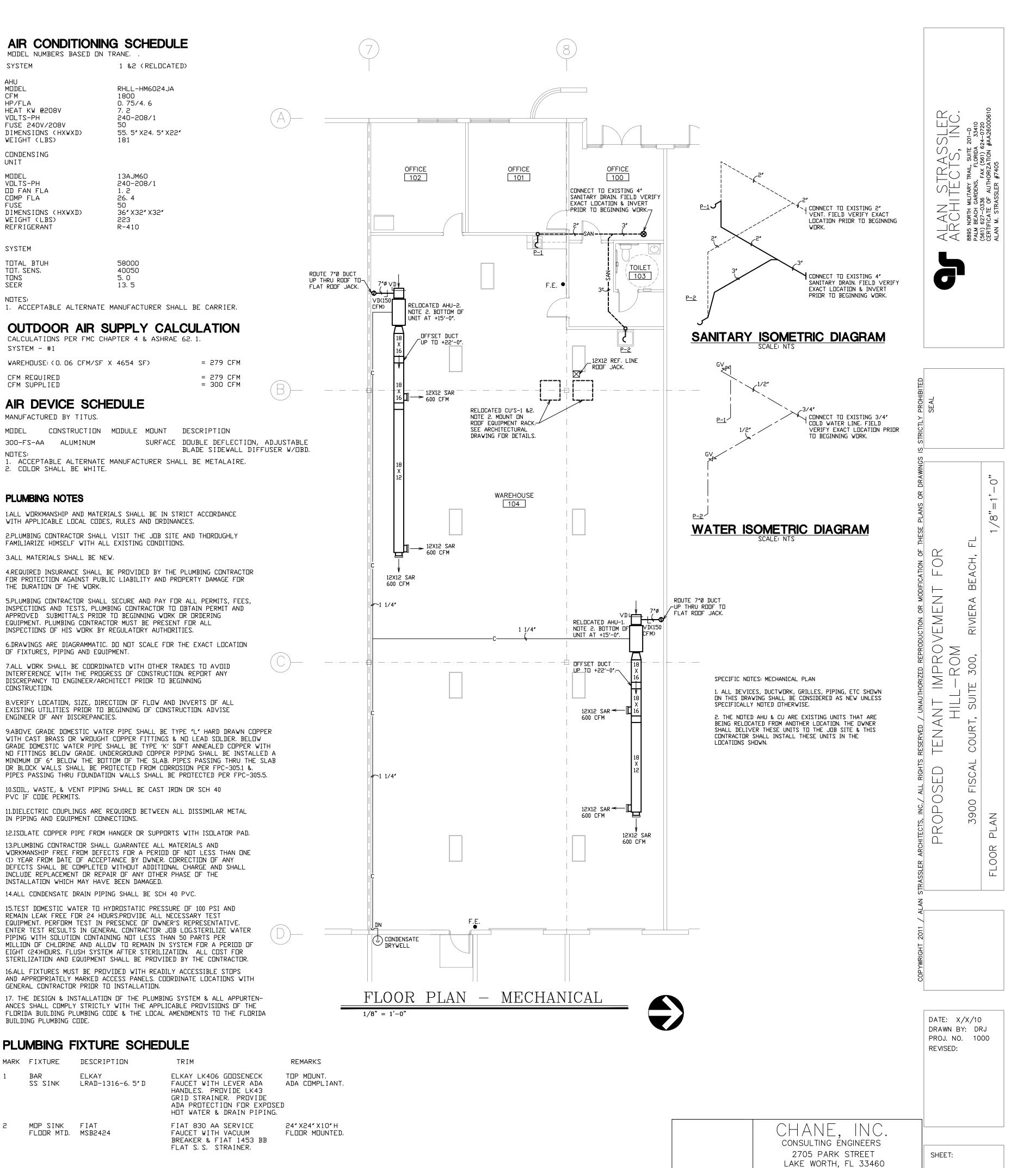
DRYWELL DETAIL - NTS



CONDENSATE PIPING DETAIL NTS



HORIZONTAL AHU DETAIL NTS



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SEAL

ELECTRICAL NOTES:

1.ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED.CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION.

2.ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND TELEPHONE INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.

3.ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND THE FLORIDA BUILDING CODE.

4.DO NOT SCALE THE ELECTRICAL DRAWINGS.REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNERS REPRESENTATIVE.

5.MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER WITH THHN

6.DUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.

7.CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF

8.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 THERE BY.

9.ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE

10.CONTRACTOR SHALL PAY FOR ALL PERMITS. FEES, INSPECTIONS AND TESTING, CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.

11.THE ELECTRICAL INSTALLATION SHALL MEET ALL REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.

12.CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.

13.ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS OR FUSED SWITCHES AS INDICATED.

14.PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, DEVICES FOR ALL OUTLETS AS INDICATED. 15.CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING

REQUIRED OF HIS WORK. 16.ELECTRICAL CONTRACTOR SHALL LABEL EXTERIOR OF ALL PANELS AND

PROVIDE COMPLETE TYPEWRITTEN DIRECTORIES. 17.ALL ELECTRICAL AND TELEPHONE/DATA DUTLETS TO BE AT 16" AFF UNLESS NOTED OTHERWISE, VERTICALLY MOUNTED.

18.ALL LIGHT SWITCHES TO BE AT 42" AFF.

19.LAY IN LIGHT FIXTURES TO BE SUPPORTED AT ALL FOUR CORNERS AND SECURED TO STRUCTURE ABOVE.

20.ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

21.PANELBOARDS: ALL CURRENT CARRYING BUSES SHALL BE COPPER. ALL GROUND BUS BARS SHALL BE COPPER, PANELBOARD ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCHED CONCENTRIC HOLES.AIC RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES

22.DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, ENCLOSURES AS REQUIRED BY EXPOSURE.

23.ALL EXPOSED EXTERIOR CONDUITS SHALL BE RIGID METAL, ALL UNDERGROUND CONDUIT SHALL BE SCH 40 PVC. INTERIOR LIGHTING AND RECEPTACLE CONDUIT

SPECIFIC ELECTRICAL NOTES:

SHALL BE EMT.

. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE. RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING THE FOLLOWING.

A. A SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL B. FLOOR PLANS INDICATING THE LOCATION & THE AREA SERVED FOR ALL DISTRIBUTION.

2. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER W/AN OPERATING MANUAL & A MAINTENANCE MANUAL, THE MANUALS SHALL INCLUDE THE FOLLOWING.

A. SUBMITTAL DATA STATING EQUIPMENT RATINGS & SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE B. OPERATION MANUALS & MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. C. NAMES & ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE

3. PER CHAPTER 13, SECTION 413.1.AB.1 THE VOLTAGE DROP FOR THE SERVICE CONDUCTORS DOES NOT EXCEED 2% & THE VOLTAGE DROP FOR THE BRANCH CIRCUIT CONDUCTORS DOES NOT EXCEED 3%

LIGHTING FIXTURE SCHEDULE

TYPE MANUFACTURER CATALOG NO. H.E. WILLIAMS AL-4-632-UP-VBY-EB4/2-UNV (6)32W T8 2X4 INDUSTRIAL FLUDRESCENT. CHAIN HANG TO 15'-0" AFF.

INCLUDED

WAREHOUSE EMERGENCY W/BATTERY.

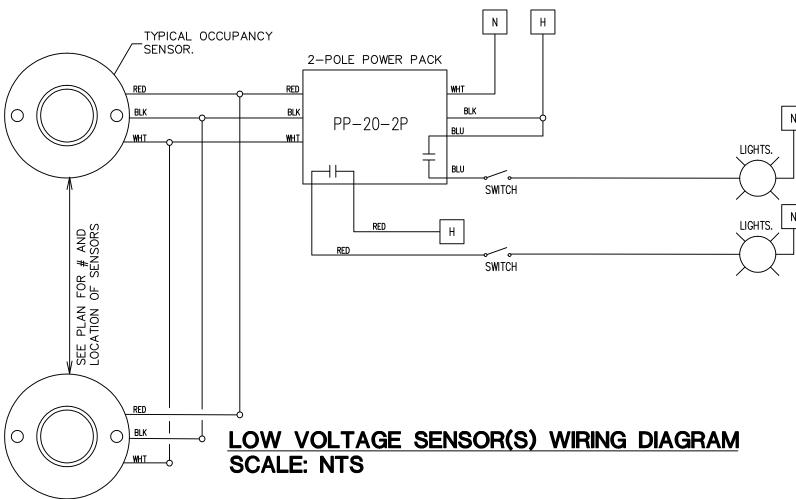
INTERIOR LIGHTING POWER CALCULATION

B CHLORIDE CCL-75-DC-2

	SPACE	AREA (SQFT)	LPD (W/SQFT)	ALLOWABLE (W)	DESIGN (W)
	WAREHOUSE (FINE)	4654	1.4	6515.6	1728
-	TOTAL	4654		6515.6	1728

THE DESIGN WATTAGE OF 1728 W IS LESS THAN THE ALLOWABLE WATTAGE OF 6515.6 W.

INTERIOR LIGHTING POWER CALCULATION AS REQUIRED PER FBC 13-415.AB.5 & PERFORMED USING THE SPACE BY SPACE METHOD OUTLINED IN 13-415.B.1.



OCCUPANCY SENSOR DEVICE SCHEDULE

MANUFACTURED BY SENSOR SWITCH.

TYPICAL TELEPHONE

DUTLET, SEE PLAN 1

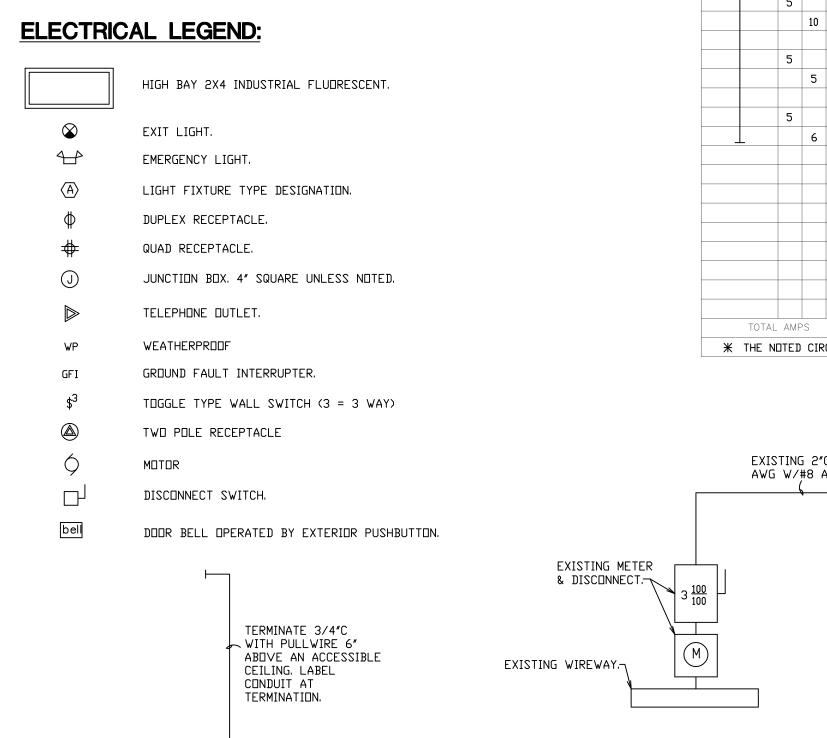
TELEPHONE RISER DIAGRAM

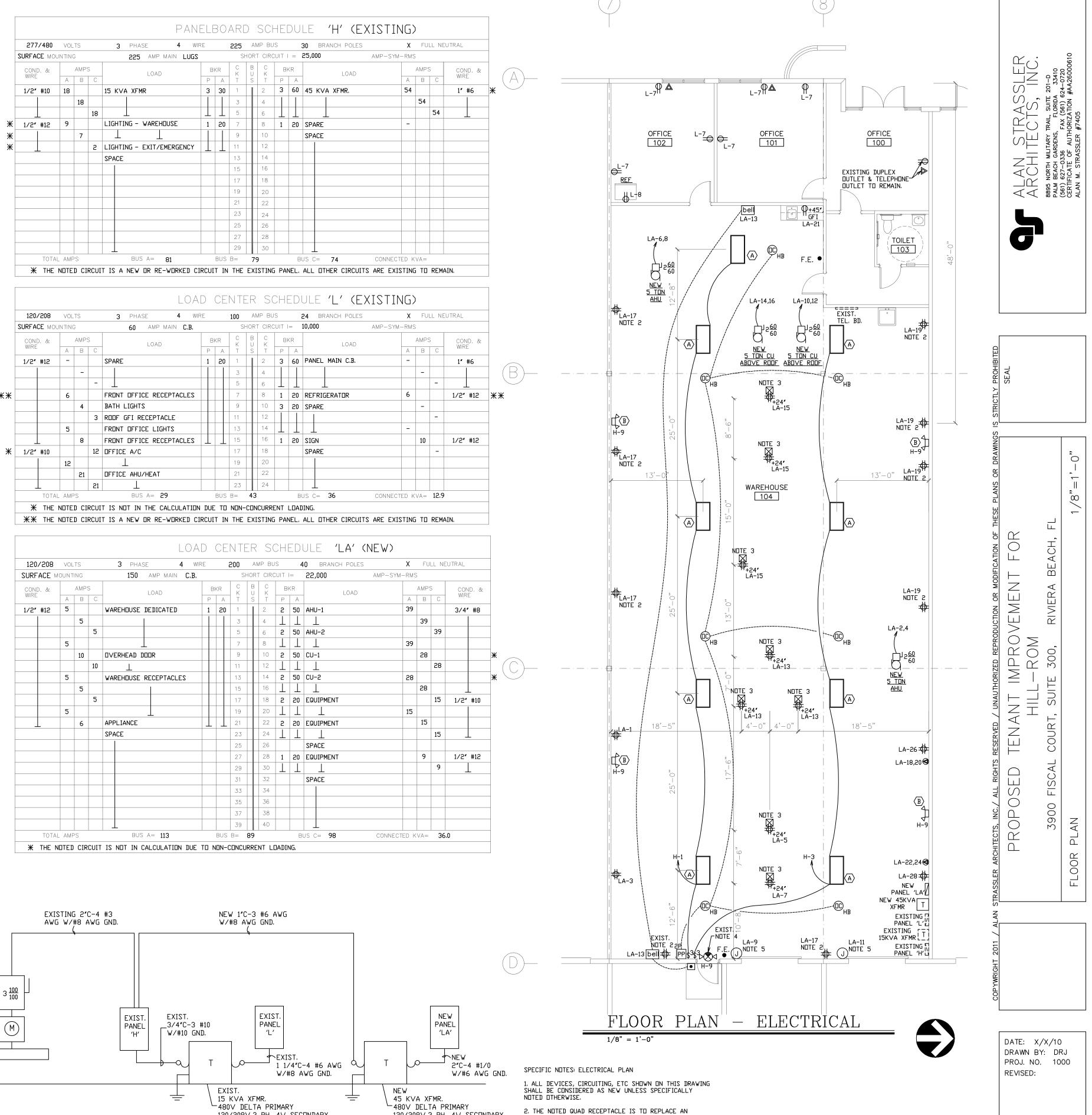
FOR EXACT NUMBER

& LOCATION.

2-POLE 20 AMP POWER PACK THAT IS CONTROLLED BY THE OCCUPANCY SENSOR(S). LOCATE ABOVE ACCESSIBLE CEILING. WIRE AHEAD OF ANY LOCAL SWITCHING. 14 SENSORS MAX. PER PP. SENSOR SWITCH #PP-20-2P.

HIGH CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL THE POWER PACK. SENSOR SWITCH #CM-6 (WHITE), MOUNT 6" BELOW JOIST,





120/208V,3 PH, 4W SECONDARY

ELECTRICAL RISER DIAGRAM

120/208V,3 PH, 4W SECONDARY

EXISTING EXISTING DUPLEX RECEPTACLE. THE EXISTING CONDUIT SHALL REMAIN. RE-CIRCUIT AS SHOWN.

ACCESSORIES & SUPPORT FROM UPPER BAR JOISTS 4. THE NOTED EXIT LIGHT WITH EMERGENCY LIGHTING

HEADS IS EXISTING TO REMAIN. RE-CIRCUIT AS SHOWN.

5. THE NOTED J-BOX IS FOR OVERHEAD DOOR MOTOR

POWER, COORDINATE THE EXACT REQUIREMENTS WITH

HIGH BAY WAREHOUSE LIGHTS & TURN OVER TO THE

6. THE CONTRATOR SHALL REMOVE ALL OF THE EXISTING

SUPPLIER PRIOR TO BEGINNING WORK.

3. THE NOTED DEVICE IS A WIREMOLD #25DTP-415 POWER POLE. THE POLE SHALL BE 15'-5" HIGH WITH (2)DUPLEX RECEPTACLES UP 24" AFF. PROVIDE ALL REQUIRED

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SHEET: