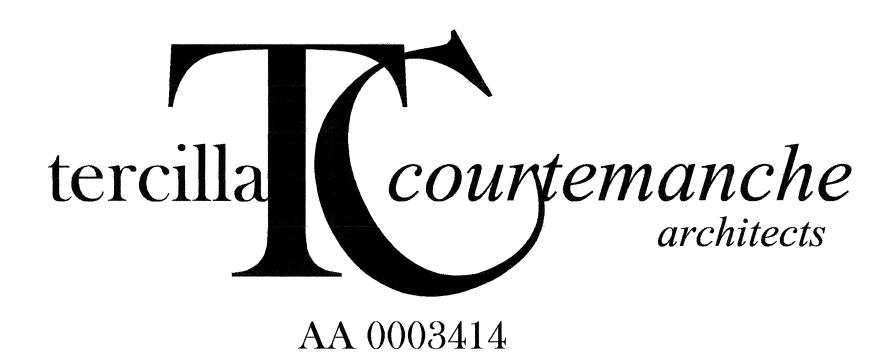
Tenant Improvement for: Building B, Bay 12 SOUTHERN PARK OF COMMERCE Palm Beach County, Florida



TO THE BEST OF MY KNOWLEDGE,
THESE DRAWINGS ARE COMPLETE AND
COMPLY WITH THE FLORIDA BUILDING CODE. THE FLORIDA
FIRE PREVENTION CODE AND ALL OTHER APPLICABLE
CODES AND REGULATIONS

ARCHITECT:

TERCILLA COURTEMANCHE architects, inc.

2047 Vista Parkway, Suite 100 West Palm Beach, Florida 33411 Tel. 561-478-4457, Fax 561-478-4102

MECHANICAL / ELECTRICAL / PLUMBING: CHANE, INC.

2705 Park Street Lake Worth, Florida 33460 Tel. 561-586-4003, Fax 561-586-5688

SHEET INDEX

ARCHITECTURAL

COVER SHEET

- A 1.1 FLOOR PLAN, MEZZANINE PLAN, REFLECTED CEILING PLANS & SCHEDULES
- A2.1 DETAILS & WALL TYPES

MECHANICAL / ELECTRICAL/ PLUMBING

- MI.I HVAC PLANS, PLUMBING PLANS & DETAILS
- M2.1 MECHANICAL NOTES, SCHEDULES & DETAILS
- F | LIGHTING & POWER PLANS
- E2.1 ELECTRICAL NOTES, SCHEDULES & DETAILS

René Tercilla AIA, REFP

FINISH SCHEDULE										
ROOM#	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLNG. HGT.	REMARKS			
100	RECEPTION	CARPET	4" VINYL	GWB/ PAINTED	LAY-IN ACOUSTIC	9'-0" A.F.F.				
101	OFFICE	CARPET	4" VINYL	GWB/ PAINTED	LAY-IN ACOUSTIC	9'-0" A.F.F.				
102	RESTROOM	VCT	4" VINYL	GWB/ PAINTED	GWB	8'-0" A.F.F.				
103	WAREHOUSE	CONCRETE	4" VINYL	CONCRETE	EXPOSED STRUCTURE	-	PROVIDE BASE AT GWB PARTITIONS TAPE & MUD GWB ONLY			
104	MEZZANINE	CONCRETE	4" VINYL	CONCRETE	EXPOSED STRUCTURE	-	PROVIDE BASE AT GWB PARTITIONS TAPE & MUD GWB ONLY			
105	OFFICE	CARPET	4" VINYL	GWB/ PAINTED	LAY-IN ACOUSTIC	8'-0" A.F.F.				

PROVIDE WEATHER STRIPPING @ THRESHOLD

PROVIDE WEATHER STRIPPING @ THRESHOLD

X Yes

X Yes

250 Feet

FINISH SCHEDULE NOTES:

- 1. ALL FLOORING FINISHES SELECTED BY TENANT AND INSTALLED BY CONTRACTOR. 2. CONFIRM ALL FINISH MATERIALS WITH TENANT PRIOR TO CONSTRUCTION, INCLUDING BUT NOT LIMITED TO WALLCOVERINGS, FLOORING, WALL BASE, CABINETRY, ETC.
- 3. PAINT TO BE APPLIED AS FOLLOWS: ONE (1) COAT OF PRIMER AND TWO (2) COATS OF FINISH PAINT
- 4. CONTRACTOR TO PROVIDE TRANSITION STRIPS AT THE CENTER OF DOOR OPENINGS WHERE DIFFERING FLOORING MATERIALS MEET.
- 5. VCT TO BE ARMSTRONG STANDARD EXCELON W/ 4" BURKE MERCER VINYL BASE. 6. PROVIDE \$12/ YD. MATERIAL ALLOWANCE FOR CARPET.

DOOR SCHEDULE													
	DOOR			FRAME		REMARKS							
OPENING NUMBER	SIZE	MAT'L	TYPE	MAT'L	HDWR								
E	EXISTING DOOR	•	-	-	*								
1	3'-0"x 7'-0"	WOOD	Α	WD.	PASSAGE SET								
2	3'-0"x 7'-0"	WOOD	A	WD.	PASSAGE SET	PROVIDE WEATHER STRIPPING @ THRESHOLD							

PRIVACY SET

BUILDING CODE INFORMATION

TYPE II B CONSTRUCTION, SPRINKLERED

OCCUPANCY: GROUP F-1, FACTORY INDUSTRIAL

Emergency Lighting and Exit Signs Fire Alarm and Smoke Detection Systems

Dead end limit-maximum condition

Travel distance to exit-maximum condition

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL AND

ALL FINISH MATERIALS, HARDWARE, ETC. SHALL MATCH THE BUILDING

TECTS APPROVAL PRIOR TO SUBSTITUTING ANY ITEMS.

ORIGINAL CONDITION ONCE WORK IS COMPLETE.

WITH FIRE MARSHALL PRIOR TO CONSTRUCTION.

EXCEEDING A TRAVEL DISTANCE OF 75'.

ROOFING & SHEET METAL COMPANY.

PROPER CARE AND PROTECTION SHALL BE PROVIDED FOR ALL

SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR TO THE

RELATION TO THIS CONSTRUCTION SHALL BE PERFORMED IN A MANNER SO AS NOT TO DISRUPT THE OWNER, ALL WALLS, SLABS,

AREAS ADJACENT TO CONSTRUCTION AND ANY DAMAGE THAT MAY OCCUR TO THESE AREAS AS A RESULT OF THIS CONSTRUCTION

ANY WORK THAT MUST BE PERFORMED IN OTHER TENANT SPACES IN

CEILINGS, ETC. DISTURBED IN OTHER SPACES SHALL BE RESTORED TO

CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES EXISTING FIRE RATINGS SHALL BE MAINTAINED AT SLAB PENETRATIONS RATED WALLS, RATED CEILING ASSEMBLIES AND FIRE COMPARTMENT

REVIEW FINAL LOCATIONS AND QUANTITIES OF FIRE EXTINGUISHERS

ALL ROOF PENETRATIONS & RELATED ROOF WORK SHALL BE BY LATITE

GC SHALL VERIFY THAT ROOF EQUIPMENT SELECTION DOES NOT

EXCEED PARAPET HEIGHT. NOTIFY ARCHITECT PRIOR TO UNIT

PURCHASE OF ANY CONDITION WHERE THIS CANNOT BE MET.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND VERIFY ALL EXISTING CONDITIONS AND

THEIR COMPATIBILITY WITH THE NEW CONSTRUCTION, THE

FIRE EXTINGUISHERS SHALL BE PLACED AT INTERVALS NOT

FIRE SPRINKLER RELOCATION TO BE INCLUCED IN BID.

STANDARDS UNLESS NOTED OTHERWISE, IF THE CONTRACTOR HAS DIF-

FICULTY MATCHING BUILDING STANDARDS HE/SHE SHALL OBTAIN THE ARCHI-

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS AND REGULATIONS OF THE BUILDING STANDARDS AND LOCAL JURISDICTIONS.

AREA CALCULATIONS:

TOTAL TENANT AREA =

OFFICE AREA: WAREHOUSE AREA: MEZZANINE AREA:

Panic Hardware

GENERAL NOTES

APPLICABLE CODES

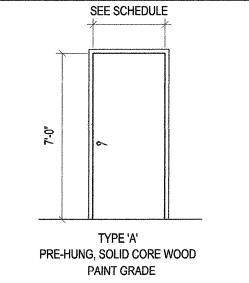
ORIGINAL CONDITION

WOOD A WD. PASSAGE SET

3'-0"x 7'-0" DOOR HARDWARE SETS:

3'-0"x 7'-0"

DOOR HARDWARE TO BE LEVER ACTION SCHLAGE "AL" SERIES, JUPITER, 626 FINISH. CONTRACTOR TO VERIFY ALL DOOR HARDWARE REQUIREMENT W/ TENANT PRIOR TO INSTALLATION

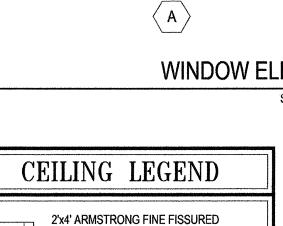


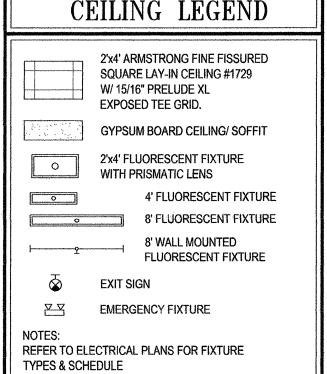
DOOR ELEVATION

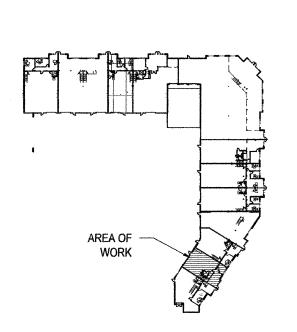
SCALE: 1/4" = 1'-0"

SEE PLAN TEMPERED GL W/IN 3/4" ALUM STOPS (EA. SIDE)

> WINDOW ELEVATION SCALE: 1/4" = 1'-0"

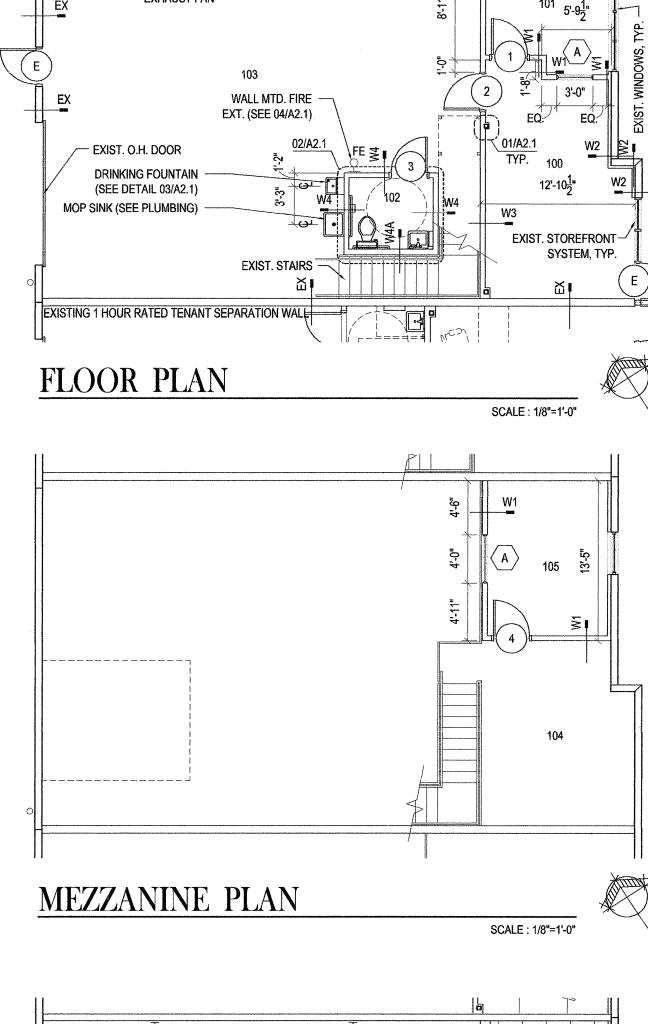




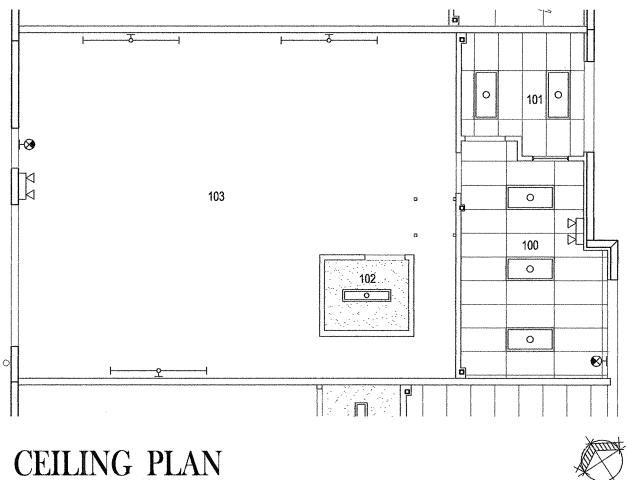


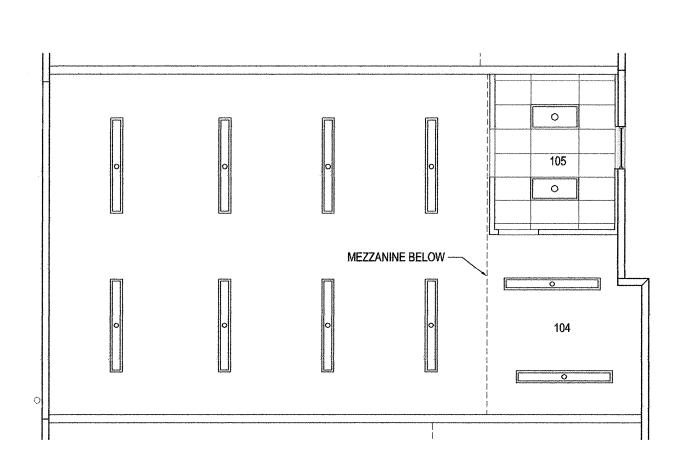
KEY PLAN





EXISTING 1 HOUR RATED TENANT SEPARATION WALL





WAREHOUSE CEILING PLAN

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

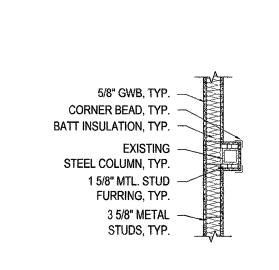
SCALE: 1/8"=1'-0"



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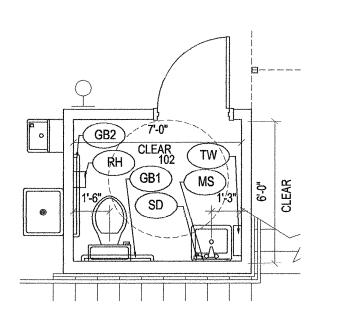
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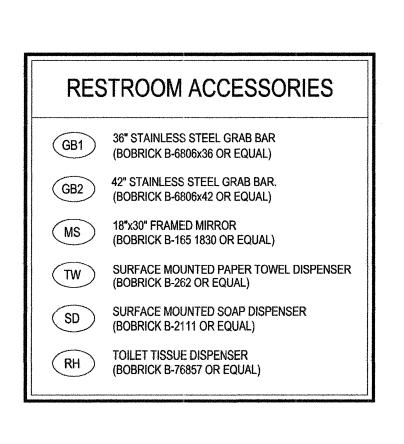


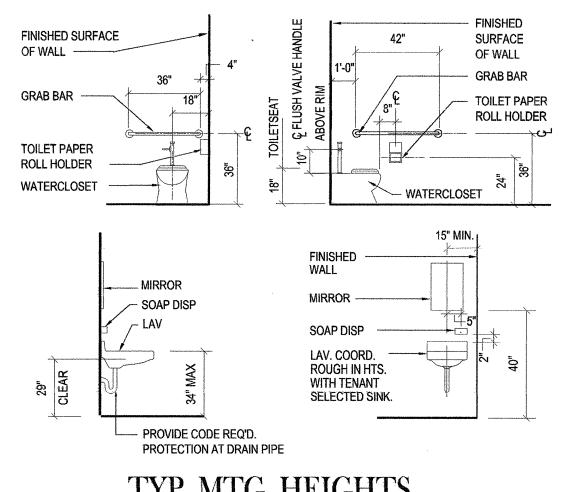
01 COLUMN DETAIL

SCALE: 1/2"=1'-0"

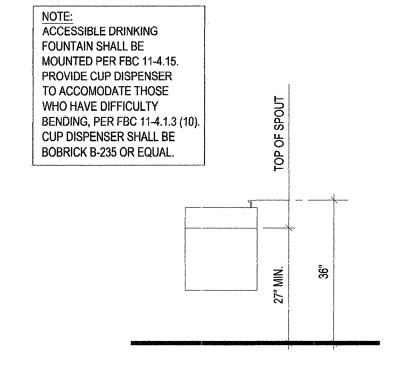


02 ENLARGED RESTROOM
SCALE: 1/4"=1'-0"

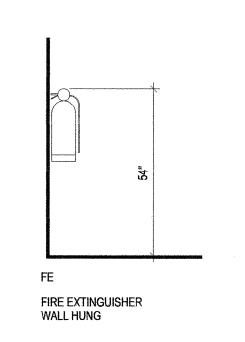




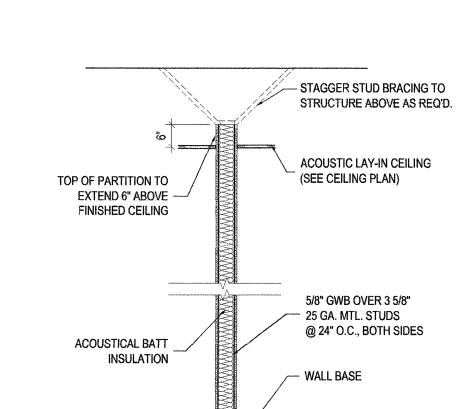
TYP. MTG. HEIGHTS
SCALE: N.T.S.



03 DRINK. FOUNTAIN DETAIL



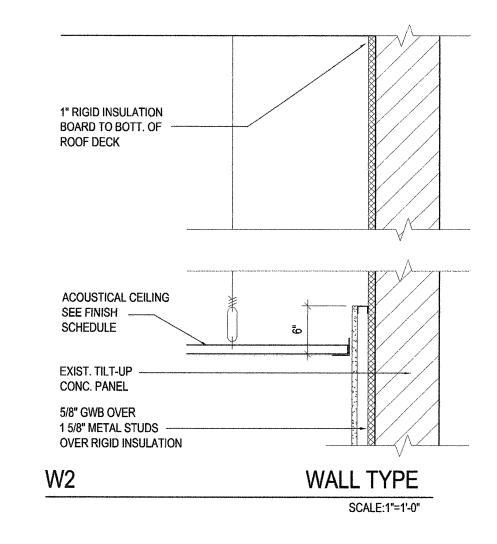
04 FIRE EXTINGUISHER DETAIL

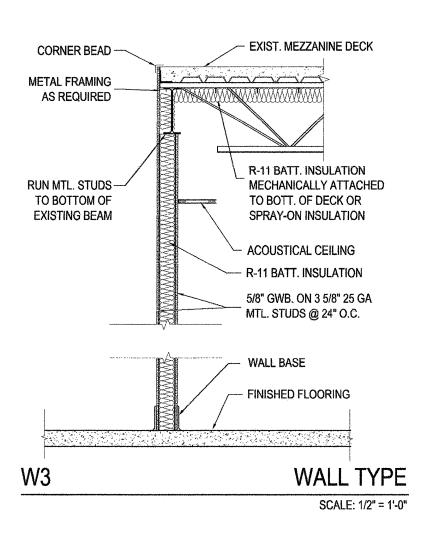


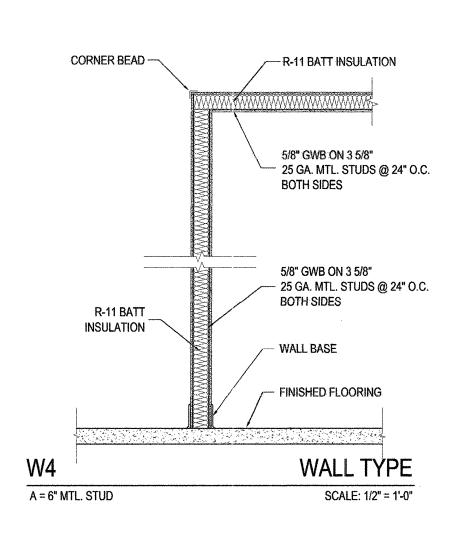
FINISHED FLOORING

WALL TYPE

SCALE:1/2"=1'-0"







-FOR ALL FIRE RATED WALLS PROVIDE BARRIER - PROTECT ALL OPENING:	ESTENCILING ABOVE CEILING STATING "FIRE AND SMOKE S".			
EFER TO FLOOR PLAN FOR LOCATIONS OF RATED WALL ASSEMBLIES; CONTRACTOR SHALL BE ESPONSIBLE FOR MAINTAINING ALL NOTED RATINGS.				
WALL BOARD AND SURFACE FINISH M. DJACENT CEILING, UNLESS NOTEE	ATERIAL SHALL EXTEND A MINIMUM OF 6" ABOVE NEAREST O OTHERWISE.			
PROVIDE SOUND BATT INSULATION	N AT ALL RESTROOM PARTITIONS, TYPICAL			
PROVIDE 1/2" PLYWOOD BACKING AT ERIFY LOCATIONS WITH TENANT.	ALL PARTITIONS TO RECEIVE WALL MOUNTED EQUIPMENT.			
	L STUD PARTITION WALLS AND WALL EXTENSIONS, FLOOR N ACCORDANCE WITH ONE OF THE FOLLOWING UL SYSTEMS:			
SYSTEM NO. C-AJ-2218 SYSTEM NO. C-AJ-1014 SYSTEM NO. W-L-1054	SYSTEM NO. W-L-1176 SYSTEM NO. W-L-2154 SYSTEM NO. W-L-2148			

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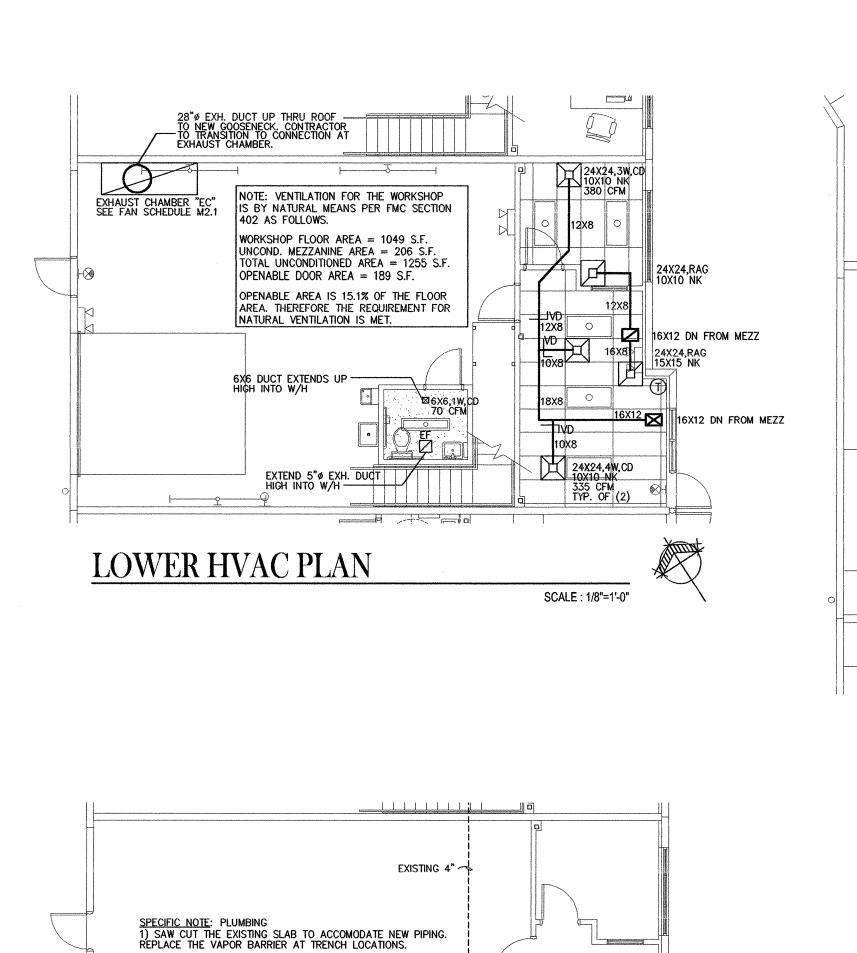
Building

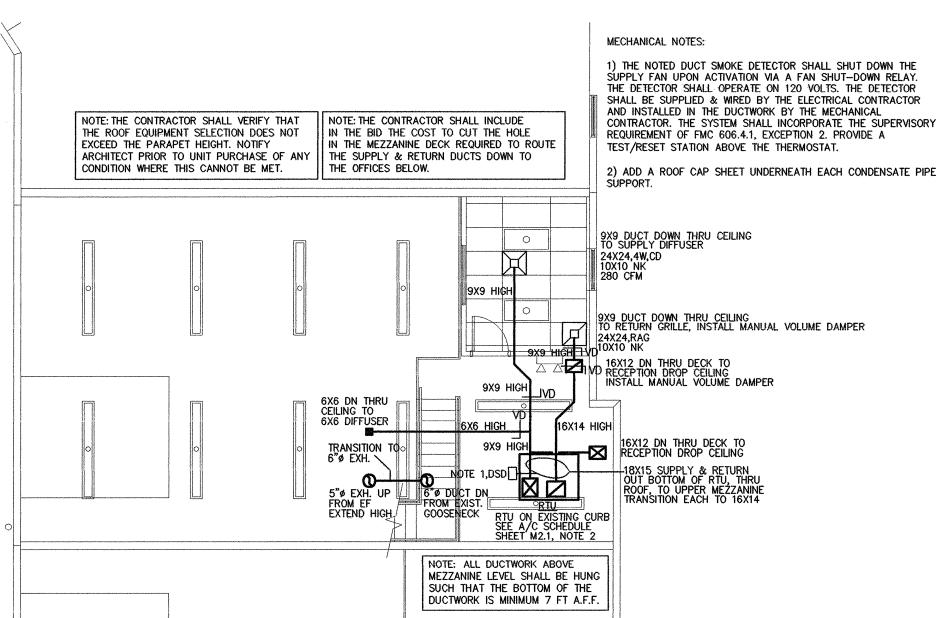
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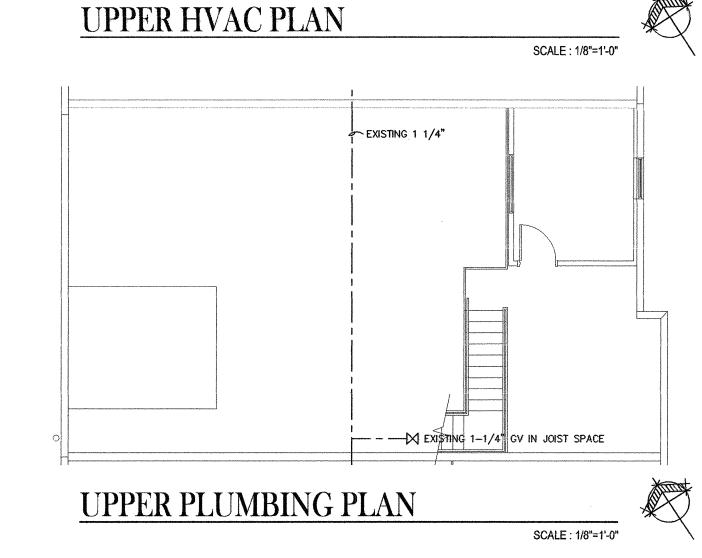
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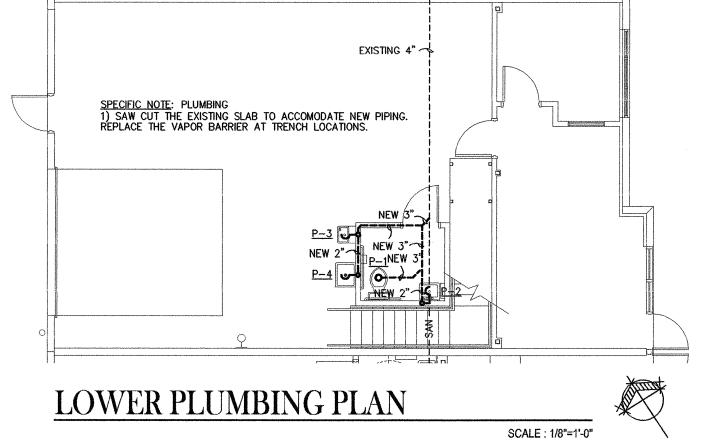
2009

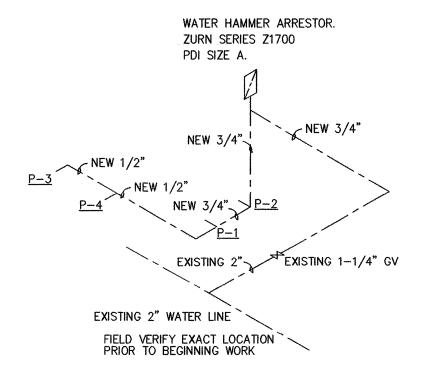
René Tercilla AIA, REFP



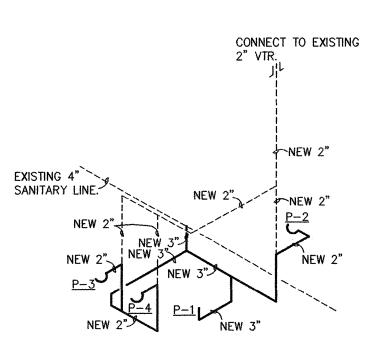








WATER ISOMETRIC DIAGRAM - NTS



SANITARY ISOMETRIC DIAGRAM - NTS

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tercilla

Bay

Building

Southern Park Palm Beach

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2705 PARK STREET LAKE WORTH, FL 33460 E-MAIL CHANEINC@AOL.COM TEL. 561-586-4003 FAX. 561-586-5688 CERTIFICATE OF AUTHORIZATION #2559 ARNOLD I. CHANE, PE #10024 DAVID R. JONES, PE #41042

SEAL

HOWARD L. CHANE, PE #22467

PLUMBING NOTES

1.ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.

2.PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.

3.ALL MATERIALS SHALL BE NEW.

4.REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

5.PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTS, PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.

6.DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING AND EQUIPMENT.

7.ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING

8. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.

9.DOMESTIC WATER PIPE SHALL BE TYPE "L" COPPER WITH NO LEAD SOLDER. 10.SOIL, WASTE, VENT, & STORM PIPING SHALL BE CAST IRON OR SCH 40 PVC IF CODE PERMITS.

11.DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.

12.ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD. 13.ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY

PROTECTED BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES.

14.PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DÉFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.

15.PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES. ACCESS PANELS IN RATED WALLS MUST MAINTAIN THE SAME RATING AND MUST MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.

16.PROVIDE CHROME PLATED COMBINATION COVER PLATE AND CLEAN OUT PLUG OR ACCESS PANEL FOR ALL WALL CLEAN OUT.

17.ALL CONTROL VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE

DIAGRAM LOCATING ALL VALVES SHALL BE PROVIDED FOR OWNER/OPERATOR.

18.ALL CONDENSATE DRAIN PIPING SHALL BE SCH 40 PVC WITH 1/2" THICK TYPE 'G' CELLULAR FOAM INSULATION, K=0.28 MINIMUM.

19.TEST DOMESTIC WATER TO HYDROSTATIC PRESSURE OF 100 PSI AND REMAIN LEAK FREE FOR 24 HOURS PROVIDE ALL NECESSARY TEST EQUIPMENT. PERFORM TEST IN PRESENCE OF OWNER'S REPRESENTATIVE. ENTER TEST RESULTS IN GENERAL CONTRACTOR JOB LOG.STERILIZE WATER PIPING WITH SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF CHLORINE AND ALLOW TO REMAIN IN SYSTEM FOR A PERIOD OF EIGHT (8)HOURS. FLUSH SYSTEM AFTER STERILIZATION. ALL COST FOR STERILIZATION AND EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR.

20.PROVIDE 1" (R=4.0 MIN.) INSULATION FOR ALL HOT WATER LINES. 21.ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS

GENERAL CONTRACTOR PRIOR TO INSTALLATION.

22.PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUTOFF.

ANCES SHALL COMPLY STRICTLY WITH THE APPLICABLE PROVISIONS OF THE FLORIDA BUILDING PLUMBING CODE & THE LOCAL AMENDMENTS TO THE FLORIDA BUILDING PLUMBING CODE.

GENERAL MECHANICAL NOTE

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

2.SHOP DRAWINGS OR FULLY DESCRIPTIVE CATALOG DATA SHALL BE SUBMITTED BY THE CONTRACTOR FOR ALL KINDS OF MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT A SUFFICIENT NUMBER OF COPIES OF ALL SUCH SHOP DRAWINGS OR CATALOG DATA TO PROVIDE HIM WITH AS MANY REVIEWED COPIES AS HE MAY NEED, PLUS TWO (2) COPIES FOR RETENTION BY THE ARCHITECTS AND ENGINEERS.

3.ALL CUTTING, PATCHING, STRUCTURAL STEEL, WEATHER PROOFING PAINTING, AND WALL OPENINGS SHALL BE BY THE GENERAL CONTRACTOR.

4.ALL OPENINGS IN BUILDING STRUCTURE, FOR DUCTWORK, PIPING, ETC. TO BE 1/2" LARGER (ON ALL SIDES) THAN THE OUTSIDE DIMENSIONS. FILL VOIDS WITH FIRE RETARDANT SILICONE FOAM (I.E. CHASE-FOAM CTC PR-855 BY CHASE TECHNOLOGY CORP.).

5.CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND 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

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.

3.PAY ALL COSTS OF PERMIT INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.

INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES.

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 FIBREGLASS, R=6.0 MIN. EXHAUST & OUTSIDE AIR 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.

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

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 RTU'S BEFORE STARTING THEM. REPLACE FILTERS PRIOR TO FINAL ACCEPTANCE BY OWNER.

12. FIRE DAMPERS SHALL BE STYLE B WITH THE BLADES OUT OF THE AIRSTREAM. DAMPERS FOR RECTANGULAR DUCTS SHALL BE EQUAL TO RUSKIN #D-IBD2 WITH 23. THE DESIGN & INSTALLATION OF THE PLUMBING SYSTEM & ALL APPURTEN- 1 1/2 HOUR RATING & DAMPERS FOR ROUND DUCT SHALL BE EQU'AL 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 PROVIDE VENTILATION REQUIRED WHEN DOOR OR TRANSFER GRILLES ARE NOT

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 EQUIPMENT ACCESS AREAS.

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

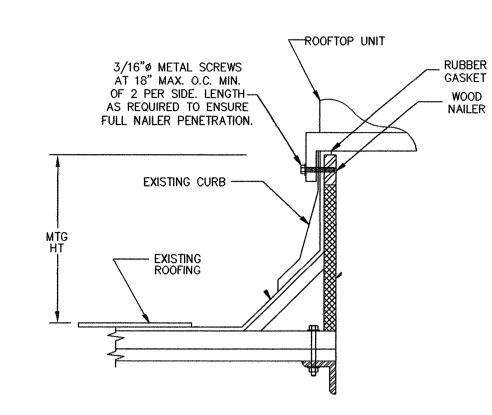
19.COORDINATE LOCATION OF AHU'S, THERMOSTATS, FANS AND DUCTWORK WITH BUILDING STRUCTURE AND OTHER TRADES SO THAT NO INTERFERENCES

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.

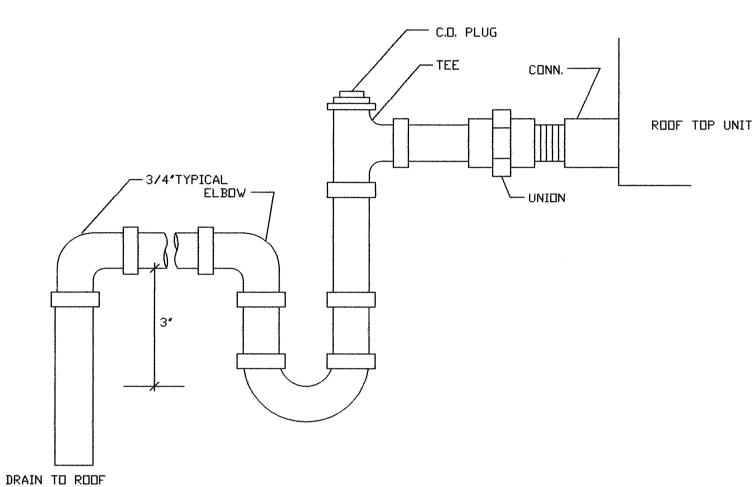
21.FAN DRIVES SHALL BE ADJUSTED TO DELIVER THE SPECIFIED CFM AGAINST THE ACTUAL STATIC PRESSURE OF THE INSTALLATION.

22.ALL OUTSIDE EQUIPMENT SHALL BE SECURED TO WITHSTAND 140 M.P.H.

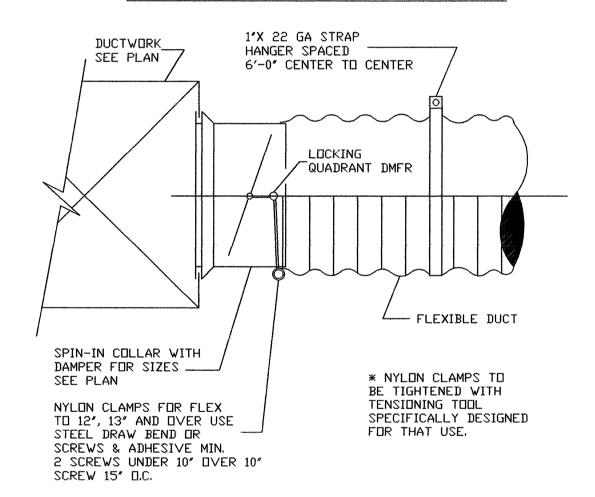
23.ALL UNITS SHALL BE PROVIDED W/ HONEYWELL ELECTRONIC PROGRAMABLE



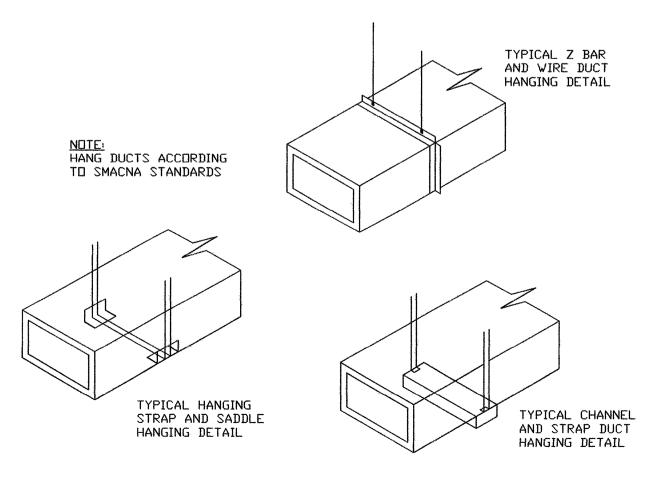
SUPPORT CURB DETAIL - NTS



CONDENSATE PIPING DETAIL NTS



DUCT TAKE-OFF DETAIL NTS



METHODS OF HANGING DUCTS Into

ROOFTOP AIR CONDITIONING SCHEDULE

MODEL NUMBERS BASED ON TRANE.

SYSTEM 4TCC3042A1 ID FAN HP/FLA 0. 5/2. 5 HEAT KW @208V OD FAN FLA DUTSIDE AIR (NOTE 3) 75 CFM VOLTS-PH 208/1 REFRIGERANT R-410 TOTAL BTUH (NET) 39900 TOT. SENS. (NET) SEER

WEIGHT (LBS) DIMENSIONS (HXWXD) 37" X59" X44"

1. ACCEPTABLE ALTERNATE MANUFACTURER SHALL BE CARRIER. 2. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL VERIFY WHETHER THERE IS AN EXISTING ROOF CURB. IF NO CURB EXISTS, PROVIDE THE APPROPRIATE MANUFACTURER ROOF CURB TO MATCH THE SCHEDULED UNIT. IF THERE IS AN EXISTING CURB, VERIFY THAT THE EXISTING CURB WILL FIT TO THE NEW ROOFTOP UNIT. UTILIZE AN APPROPRIATE MANUFACTURER ROOF CURB ADAPTOR IF NECESSARY. INCLUDE ALL COSTS IN BID.

4. PROVIDE SINGLE-POINT POWER KIT FOR ALL UNITS.

OUTSIDE AIR CALCULATION

3. SEE OUTDOOR AIR CALCULATIONS.

(2 PPL X 5 CFM/PPL) X (0.06 CFM/SF X 262 SF) = 25.72 CFM(2 PPL X 5 CFM/PPL) X (0.06 CFM/SF X 244 SF) = 24.64 CFM

TOTAL: 50.36 CFM SUPPLIED: 75 CFM

FAN SCHEDULE

MANUFACTURER

MODEL

SERVICE

CFM/S.P.

VOLTAGE/PH.

GREENHECK FINISH PRO SPRAY BOOTHS IBC-0808 EXHAUST CHAMBER **CEILING** WAREHOUSE 8000/0.50 FRACTIONAL 208/3

1. FOR MARK "EF", ACCEPTABLE ALTERNATE MANUFACTURERS SHALL BE PENN, CARNES. 2. MARK "EC" SELECTED BY OWNER. PROVIDE WITH EXPLOSION-PROOF MOTOR.

AIR DISTRIBUTION SCHEDULE-BASED ON TITUS

MATERIAL DEVICE REMARKS ALUMINUM 24X24 PERFORATED SUPPLY GRILLE ---- NOTE 2 W/OBD NOTE 2 ALUMINUM 24X24 PERFORATED RETURN GRILLE ALUMINUM CURVED BLADE CEILING DIFFUSER W/OBD NOTE 1

1. USE BORDER TYPE 1 FOR SURFACE MOUNT. 2. USE BORDER TYPE 3 FOR LAY-IN CEILING.

MECHANICAL LEGEND

24X24 PERFORATED RETURN/TRANSFER GRILLE. SIDEWALL SUPPLY AIR REGISTER (SAR). SIDEWALL RETURN GRILLE (SAG). EXHAUST FAN CURVED BLADE CEILING DIFFUSER (CBCD) RIGID DUCTWORK FLEXIBLE DUCTWORK. MANUAL VOLUME DAMPER WALL MOUNTED THERMOSTAT.

24X24 PERFORATED CEILING DIFFUSER.

PLUMBING FIXTURE SCHEDULE

-----DSD DUCT MOUNTED SMOKE DETECTOR.

MARK FIXTURE DESCRIPTION REMARKS 1 H. C. W. C. A/S 2216, 170 **OPEN FRONT SEAT** HANDICAP ELONGATED BOWL. A/S 5402, 172H FAUCET 2 LAVATORY A/S 0124, 024 WALL MTD COMRADE W/WRIST HANDLES AND GRID DRAIN AND 0.5 GPM FLOW RESTRICTOR 3 EWC DASIS P8AC W/ PAPER CUP HOLDER 4 SERVICE GRIFFIN T60-188 ENCORE KN54-8008 FAUCET FLOOR MTD SINGLE COMPARTMENT

ELKAY LK24RT DRAIN.

CONSULTING ENGINEERS 2705 PARK STREET LAKE WORTH, FL 33460 E-MAIL CHANEINC@AOL.COM TEL. 561-586-4003 FAX. 561-586-5688 CERTIFICATE OF AUTHORIZATION #2559 ARNOLD I. CHANE, PE #10024 DAVID R. JONES, PE #41042

HOWARD L. CHANE, PE #22467

Building

29014 commission date: 6-3-09 date revision no. drawing

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SEAL

ELECTRICAL LEGEND:

RECESSED FLUORESCENT. 8 FT STEM-MOUNTED FLUORESCENT. EXIT LIGHT. EMERGENCY LIGHT. LIGHT FIXTURE TYPE DESIGNATION. DUPLEX RECEPTACLE. QUAD-PLEX RECEPTACLE. JUNCTION BOX. 4" SQUARE UNLESS NOTED. DATA OUTLET. TELEVISION OUTLET. TELEPHONE OUTLET. WEATHERPROOF

TOGGLE TYPE WALL SWITCH (3 = 3 WAY)TWO POLE RECEPTACLE

GROUND FAULT INTERRUPTER.

OCCUPANCY SENSOR (SEE DEVICE SCHEDULE). POWER PACK (SEE DEVICE SCHEDULE).

EXHAUST FAN.

DISCONNECT

 \bigcirc

DUCT SMOKE DETECTOR.

TEST/RESET STATION.

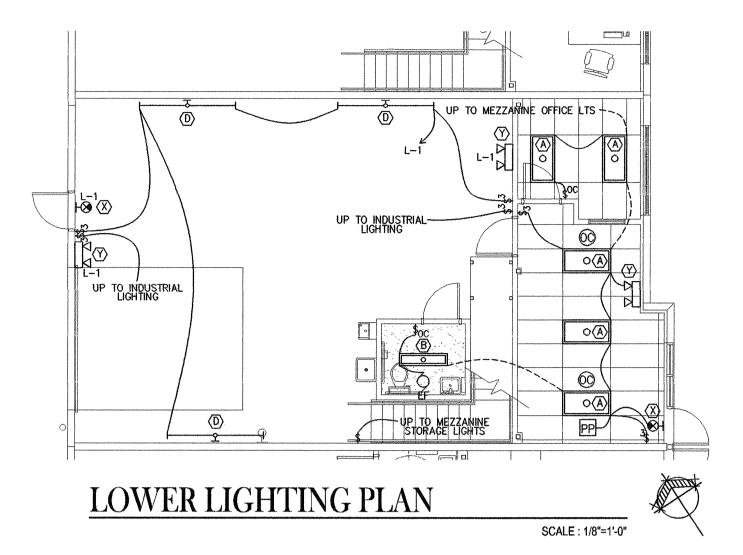
ON/OFF PUSHBUTTON SWITCH CONTROL BOX FOR EXHAUST CHAMBER SWITCH SPECIFIC NOTES: POWER PLANS

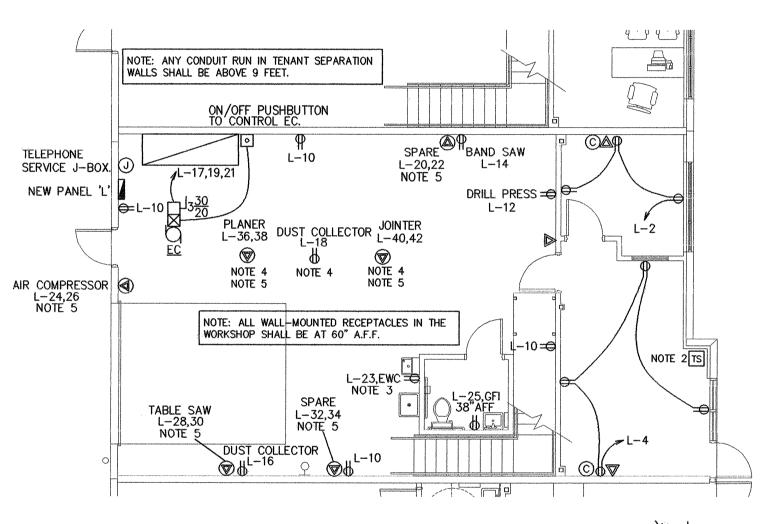
1) THE NOTED DUCT SMOKE DETECTOR SHALL SHUT DOWN THE SUPPLY FAN UPON ACTIVATION VIA A FAN SHUT-DOWN RELAY. THE DETECTOR SHALL OPERATE ON 120 VOLTS. THE DETECTOR SHALL BE SUPPLIED & WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED IN THE DUCTWORK BY THE MECHANICAL CONTRACTOR. THE SYSTEM SHALL INCORPORATE THE SUPERVISORY REQUIREMENT OF FMC 606.4.1, EXCEPTION 2.

2) PROVIDE A TEST/RESET STATION ABOVE THE THERMOSTAT. 3) THE RECEPTACLE FOR THE EWC SHALL BE OUTSIDE OF THE

4) THE NOTED OUTLET SHALL BE SUSPENDED FROM A SECURE JUNCTION BOX @ 78" A.F.F. CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLEING & RECEPTACLES. VERIFY EXACT MOUNTING HEIGHT WITH TENANT PRIOR TO BEGINNING WORK.

5) PROVIDE AS AN ALTERNATE TO THE BID A COST TO INSTALL THE NOTED 220V CIRCUIT AND DEVICE. THESE CIRCUITS AND DEVICES SHALL NOT BE INCLUDED IN THE BASE BID, BUT INCLUDED AS AN ALTERNATE TO THE BASE BID.

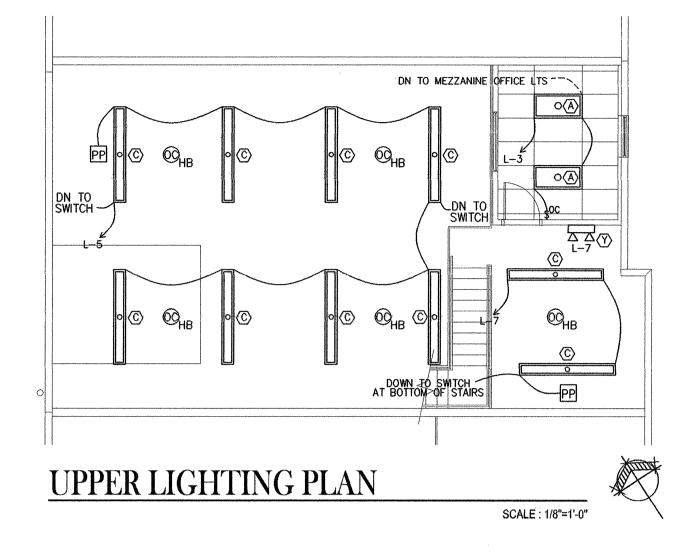


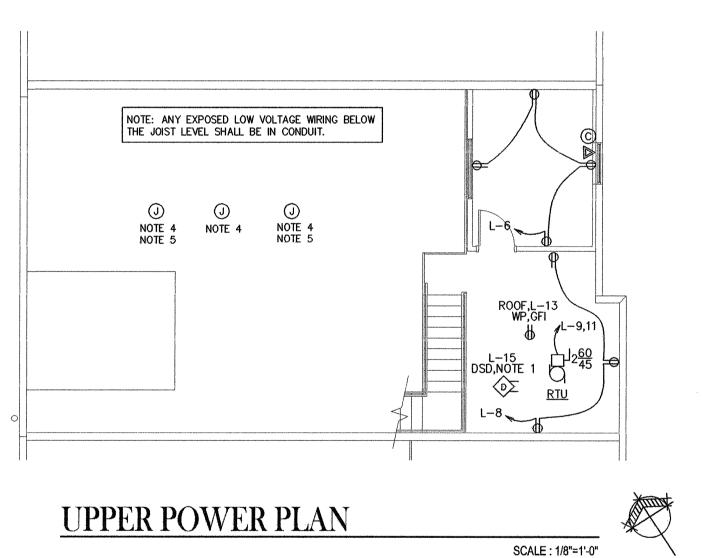


LOWER POWER PLAN



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





Building E Southern Park Palm Beach

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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 TO

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 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.OUTLET 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 ACCEPTANCE.

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 OUTLETS 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

23.CONTRACTOR SHALL CONFIRM WITH FPL ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.

24.ALL SERVICE CONDUIT AND ALL EXPOSED EXTERIOR CONDUITS SHALL BE RIGID METAL. INTERIOR LIGHTING AND RECEPTACLE CONDUIT SHALL BE EMT. TYPE AC ARMORED CABLE SHALL BE AN ACCEPTABLE ALTERNATE FOR INTERIOR LIGHTING & RECEPTACLE CIRCUITS WHERE ALLOWED PER NEC ARTICLE 320.

SPECIFIC ELECTRICAL NOTES:

AS REQUIRED BY EXPOSURE.

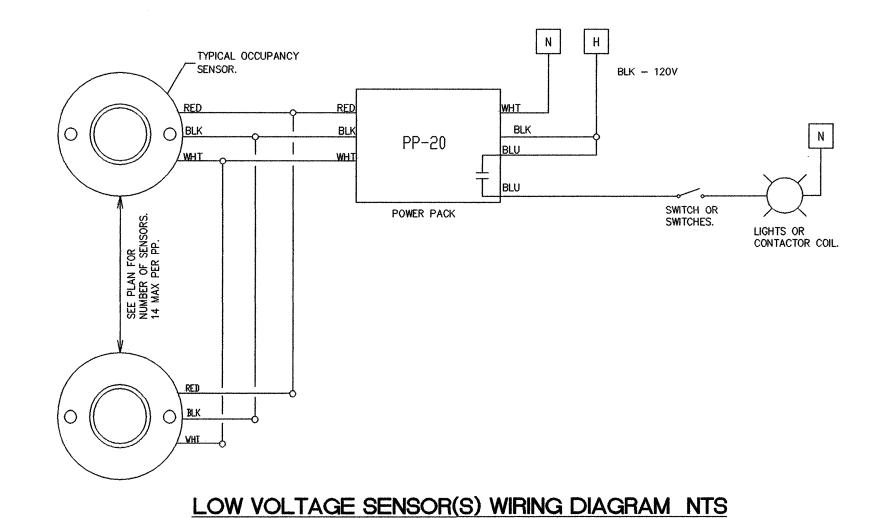
1. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING THE FOLLOWING.

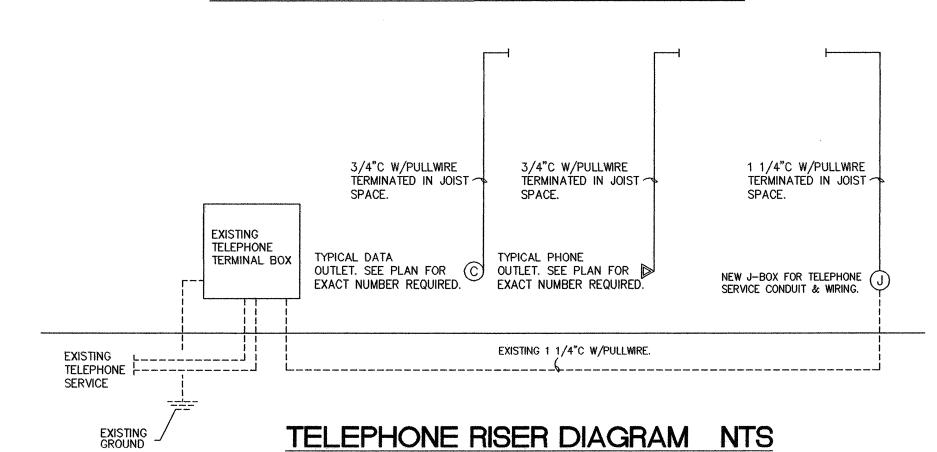
A. A SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL B. FLOOR PLANS INDICATING THE LOCATION & THE AREA SERVED FOR ALL DISTRIBUTION.

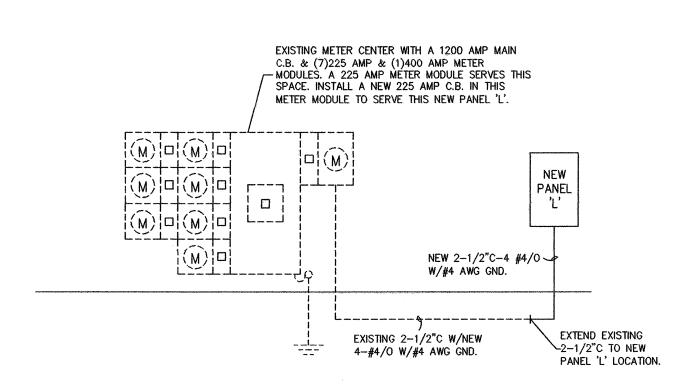
2. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER W/AN OPERATING MANUAL & A MAINTENANCE MANUAL. THE MANUALS SHALL INCLUDE THE FOLLOWING.

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.ABC.1 THE VOLTAGE DROP FOR THE SERVICE CONDUCTORS DOES NOT EXCEED 2% & THE VOLTAGE DROP FOR THE BRANCH CIRCUIT CONDUCTORS DOES NOT EXCEED 3%.







ELECTRICAL RISER DIAGRAM NTS

OCCUPANCY SENSOR DEVICE SCHEDULE

MANUFACTURED BY SENSOR SWITCH.

WALL SWITCH W/OCCUPANCY SENSOR & BUILT IN POWER PACK SENSOR SWITCH #WSD-PDT-WHITE

HIGH BAY OCCUPANCY SENSOR TO CONTROL THE POWER PACK. SENSOR SWITCH #CM-6-PDT (WHITE).

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.

LOW CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL THE POWER PACK. SENSOR SWITCH #CM-9-PDT(WHITE).

SENSOR SWITCH #PP-20.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMPS	REMARKS
Α	DAYBRITE	2TG8332-01-120-1/3-EB	(3)F32 T8	2X4 RECESSED TROFFER, PRISMATIC ACRYLIC LENS, GRID CEILING MOUNT.
В	DAYBRITE	1TF232-01-120-1/2-EB	(2)F32 T8	1X4 RECESSED TROFFER, PRISMATIC ACRYLIC LENS, FLANGE CEILING MOUNT.
С	DAYBRITE	1FD232-PP-120-1/4-EB	(4)F32 T8	8 FT INDUSTRIAL FLUORESCENT.
D	DAYBRITE	TT232-120-1/4-EB	(4)F32 T8	WALL MOUNTED, 8 FT STRIP LIGHTING AT 10' A.F.F. PROVIDE WITH (2) CG-4 WIRE GUARDS.
X	CHLORIDE	E-R-B-1-120/6	INCLUDED	LED SINGLE FACE EXIT WITH BATTERY.
Υ	CHLORIDE	GM1	INCLUDED	WALL MOUNTED EMERGENCY LIGHT WITH BATTERY.

LIGHTING POWER CALCULATION

SPACE	AREA (SQFT)	LPD (W/SQFT)	ALLOWABLE (W)	DESIGN (W)
WORKSHOP	1097	1.9	2084.3	1408
OFFICES	262	1.1	288.2	384
RECEPTION	244	1.3	317.2	288
MEZZANINE STORAGE	206	0.9	185.4	256
TOILET	48	0.9	43.2	64
TOTAL	1857	a a construir de la filippe de la construir de	2918.3	2400

THE DESIGN WATTAGE OF 2400 W IS LESS THAN THE ALLOWABLE WATTAGE OF 2918.3 W. LIGHTING POWER CALCULATON AS PER FBC 13-415.B.1 (SPACE BY SPACE METHOD)

120/	′208	VOL	.TS		3 PHASE 4 W	/IRE		225	Al	MP BUS	3			42 BRANCH POLES	Χ	FU	LL NE	JTRAL	
SURFA	CE MOL	UNTIN	3		225 AMP MAIN L	JGS		SH	IDR.	T CIR	CUI.	T I=	=	22,000 AMP-SYM	-RMS	nem a Keer verjackon versa.	and the contraction of the contr	and the second s	TOTOLOGICO MARRANATO
CONI			AMPS	S	LOAD	В	KR	CK	B	C K	1	BKR		LOAD		AMPS		CON	VD. 8
		А	В	С		Р	Α	T	S	T	Р		Α		Α	В	С		
1/2"	#12	4			LIGHTING (LOW WORKSHOP LTS)	1.	20	1	4	5	1	2	0	RECEPTACLES (SHOWROOM)	5			1/2"	#12
			7		(TOILET/OFFICES)	$\bot \bot$	Ш.	3		4	\sqcup	$\perp \mid$		(RECEPTION)	ļ	6			
				9	(INDUSTRIAL LIGHTS)	$\bot \bot$	Ш	5		6	Ц	Ш		(MEZZANINE OFFICE)	ļ		6		
		3			上 (MEZZANINE STORAGE)	11	L	7		8				(MEZZANINE STORAGE)	5				
3/4"	#8		36		ROOFTOP A/C	2	45	9		10				上(workshop)		6			
				36	1	\perp		11		12				DRILL PRESS			3		
1/2"	#12	3			ROOF RECEPTACLE	1	20	13		14				BAND SAW	15				
			3		DUCT SMOKE DETECTOR	1	20	15		16				DUST COLLECTOR		11			
				8	EXHAUST CHAMBER	3	20	17		18	L			DUST COLLECTOR			11		L
		8					1	19		50	2	4	0	SPARE	29			3/4'	'#8
			8			TI	\prod	21		22	\prod					29			L
				5	EWC	1	20	23		24	2	3	0	COMPRESSOR			15	1/2"	#12
	-	2			GFI-TOILET	1	20	25		26	I			1	15				
					SPACE			27		28	2	3	0	TABLE SAW		20		1/2"	#10
								29		30	I			1			20	_	L
								31		35	2	3	0	SPARE	20			1/2"	#10
								33		34	I			1		20			
								35		36	2	3	0	PLANER			20	1/2"	#10
								37		38				1	20				
								39		40	2	3	0	JOINTER		20		1/2"	#10
								41	Т	42							20		

Building I Southern Park Palm Beach

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