

Tenant Improvement for:
Building B, Bay 8 & 9[△]
SOUTHERN PARK OF COMMERCE
Palm Beach County, Florida



AA 0003414

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.

ORIGINAL DATE: 11-24-2008[△]
REVISION #1: 7-16-2010

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ARCHITECTURAL

COVER SHEET

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FINISH SCHEDULE							
ROOM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLNG. HGT.	REMARKS
100	SHOWROOM	C.T.	C.T.	G.W.B.	2x4 ACT	9'-0" A.F.F.	TAPE & MUD G.W.B. ONLY. DO NOT PAINT.
101	SECURED STORAGE	CONCRETE	4" VINYL	G.W.B.	EXPOSED	-	TAPE & MUD G.W.B. ONLY. DO NOT PAINT.
102	RESTROOM	CT	CT	PAINTED G.W.B.	G.W.B.	8'-0" A.F.F.	
103	REST ROOM	CT	CT	PAINTED G.W.B.	G.W.B.	8'-0" A.F.F.	
104	WAREHOUSE	CONCRETE	4" VINYL	CONC/G.W.B.	EXPOSED	-	TAPE & MUD G.W.B. ONLY. DO NOT PAINT.
200	STORAGE	CONCRETE	4" VINYL	CONC/G.W.B.	EXPOSED	-	TAPE & MUD G.W.B. ONLY. DO NOT PAINT.
201	PRIVATE OFFICE	CARPET	4" VINYL	PAINTED G.W.B.	2x4 ACT	8'-0" A.F.F.	

FINISH SCHEDULE NOTES:

- ALL FLOORING FINISHES TO BE SELECTED BY TENANT AND INSTALLED BY CONTRACTOR.
- CONFIRM ALL FINISH MATERIALS WITH TENANT PRIOR TO CONSTRUCTION, INCLUDING BUT NOT LIMITED TO WALLCOVERINGS, FLOORING, WALL BASE, CABINETRY, ETC.
- PAINT TO BE APPLIED AS FOLLOWS: ONE (1) COAT OF PRIMER AND TWO (2) COATS OF FINISH PAINT
- CONTRACTOR TO PROVIDE TRANSITION STRIPS AT THE CENTER OF DOOR OPENINGS WHERE DIFFERING FLOORING MATERIALS MEET.
- CONTRACTOR SHALL PROVIDE \$12 / YD. MATERIAL ALLOWANCE FOR CARPET.
- VCT TO BE ARMSTRONG STANDARD EXCELON W/ 4" BURKE MERCER VINYL BASE.
- CONTRACTOR TO PROVIDE A \$2.50 MATERIAL ALLOWANCE FOR CERAMIC TILE.

DOOR SCHEDULE						
OPENING NUMBER	DOOR		FRAME		REMARKS	
	SIZE	MAT'L	TYPE	MAT'L		
1	3'-0" x 7'-0"	WOOD	A	WD.	PASSAGE SET	
2	3'-0" x 7'-0"	WOOD	A	WD.	PRIVACY SET	
3	3'-0" x 7'-0"	WOOD	A	WD.	PRIVACY SET	
4	3'-0" x 7'-0"	WOOD	A	WD.	PASSAGE SET	
5	3'-0" x 7'-0"	WOOD	A	WD.	PASSAGE SET	
E	EXISTING	-	-	-	-	

DOOR HARDWARE SETS:

CONTRACTOR TO VERIFY ALL DOOR HARDWARE REQUIREMENTS W/ TENANT PRIOR TO INSTALLATION.

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL AND APPLICABLE CODES.

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

ALL FINISH MATERIALS, HARDWARE, ETC. SHALL MATCH THE BUILDING STANDARDS UNLESS NOTED OTHERWISE. IF THE CONTRACTOR HAS DIFFICULTY MATCHING BUILDING STANDARDS HE/SHE SHALL OBTAIN THE ARCHITECT'S APPROVAL PRIOR TO SUBSTITUTING ANY ITEMS.

PROPER CARE AND PROTECTION SHALL BE PROVIDED FOR ALL AREAS ADJACENT TO CONSTRUCTION AND ANY DAMAGE THAT MAY OCCUR TO THESE AREAS AS A RESULT OF THIS CONSTRUCTION SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR TO THE ORIGINAL CONDITION.

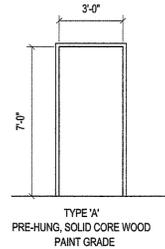
ANY WORK THAT MUST BE PERFORMED IN OTHER TENANT SPACES IN RELATION TO THIS CONSTRUCTION SHALL BE PERFORMED IN A MANNER SO AS NOT TO DISRUPT THE OWNER. ALL WALLS, SLABS, CEILINGS, ETC. DISTURBED IN OTHER SPACES SHALL BE RESTORED TO ORIGINAL CONDITION ONCE WORK IS COMPLETE.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH THE NEW CONSTRUCTION. THE 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 ZONES.

REVIEW FINAL LOCATIONS AND QUANTITIES OF FIRE EXTINGUISHERS WITH FIRE MARSHAL PRIOR TO CONSTRUCTION.

FIRE EXTINGUISHERS SHALL BE PLACED AT INTERVALS NOT EXCEEDING A TRAVEL DISTANCE OF 75'.

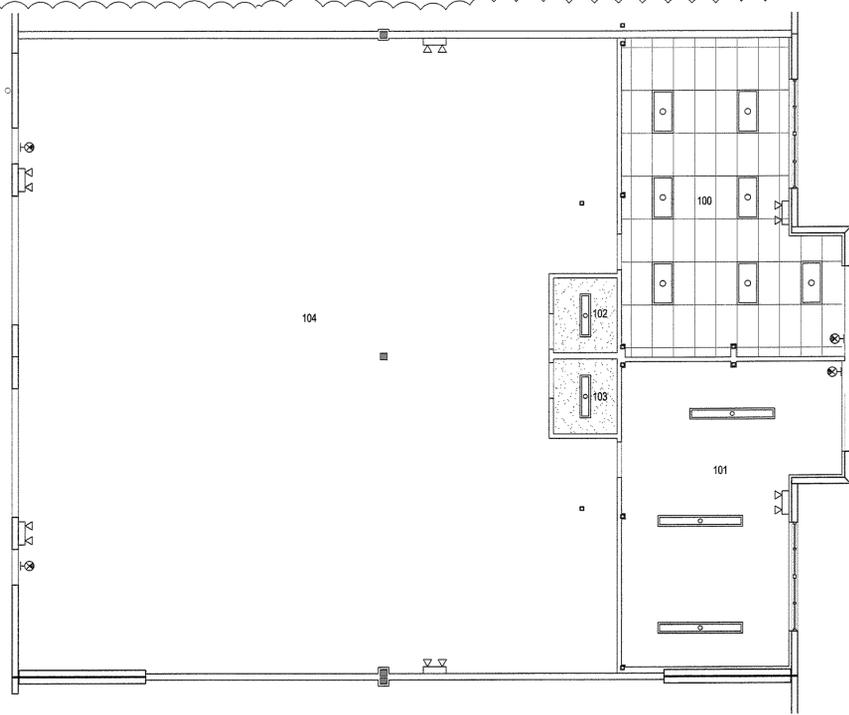


DOOR ELEVATION
SCALE: 1/4" = 1'-0"

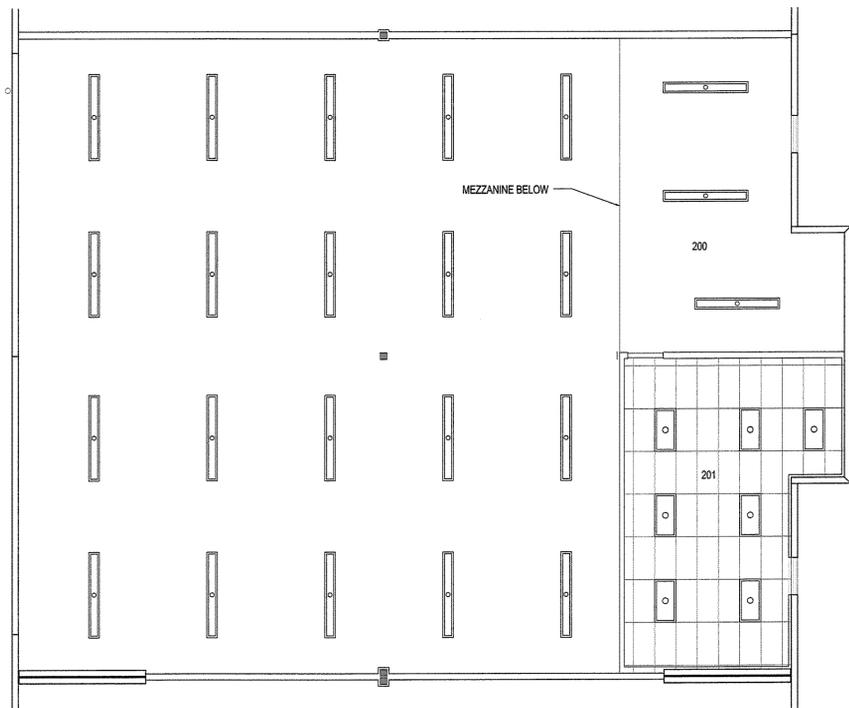
BUILDING CODE INFORMATION	
BASED ON FLORIDA BUILDING CODE 2007 w/ 2009 REVS.	
BUILDING TYPE	TYPE II B CONSTRUCTION, SPRINKLERED
OCCUPANCY:	GROUP F-1, FACTORY INDUSTRIAL
AREA CALCULATIONS:	
SHOWROOM:	570 S.F.
WAREHOUSE/STORAGE:	3,990 S.F.
MEZZANINE AREA:	1,128 S.F.
TOTAL TENANT AREA =	5,688 S.F.
LIFE SAFETY SYSTEM:	
Emergency Lighting and Exit Signs	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fire Alarm and Smoke Detection Systems	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Panic Hardware	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
EXIT REQUIREMENTS:	
Dead end limit-maximum condition	50 Feet
Travel distance to exit-maximum condition	250 Feet

CEILING LEGEND	
	2x4 ARMSTRONG FINE FISSURED SQUARE LAY-IN CEILING #1729 W/ 15/16" PRELUDE XL EXPOSED TEE GRID.
	GYPSUM BOARD CEILING/SOFFIT
	2x4 FLUORESCENT FIXTURE WITH PRISMATIC LENS
	1x4 FLUORESCENT FIXTURE
	1x4 FLUORESCENT FIXTURE
	EXIT SIGN
	EMERGENCY LIGHTS

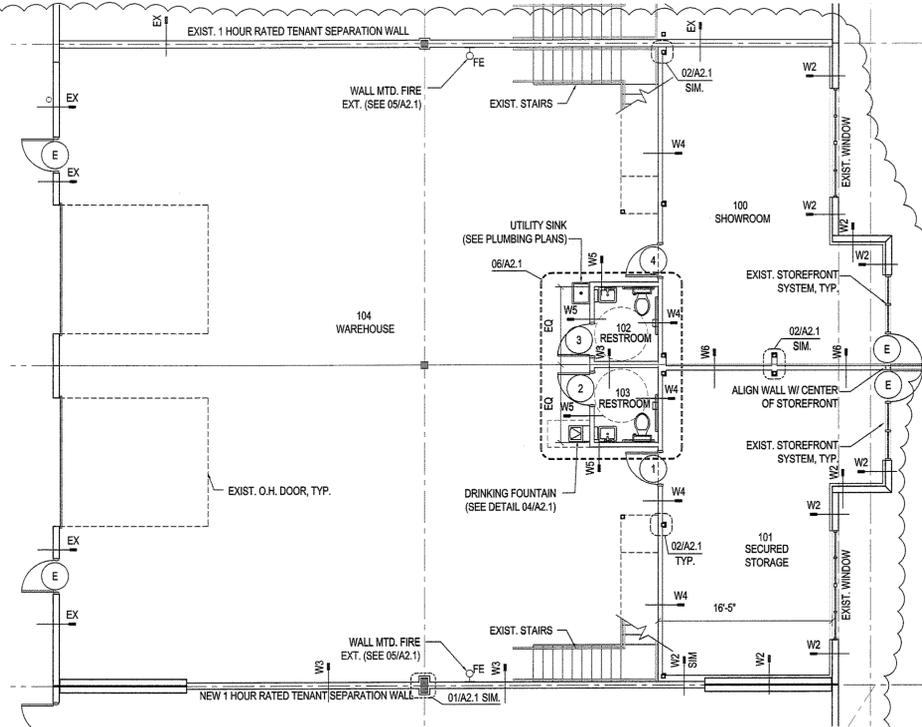
NOTES:
REFER TO ELECTRICAL PLANS FOR FIXTURE TYPES & SCHEDULE



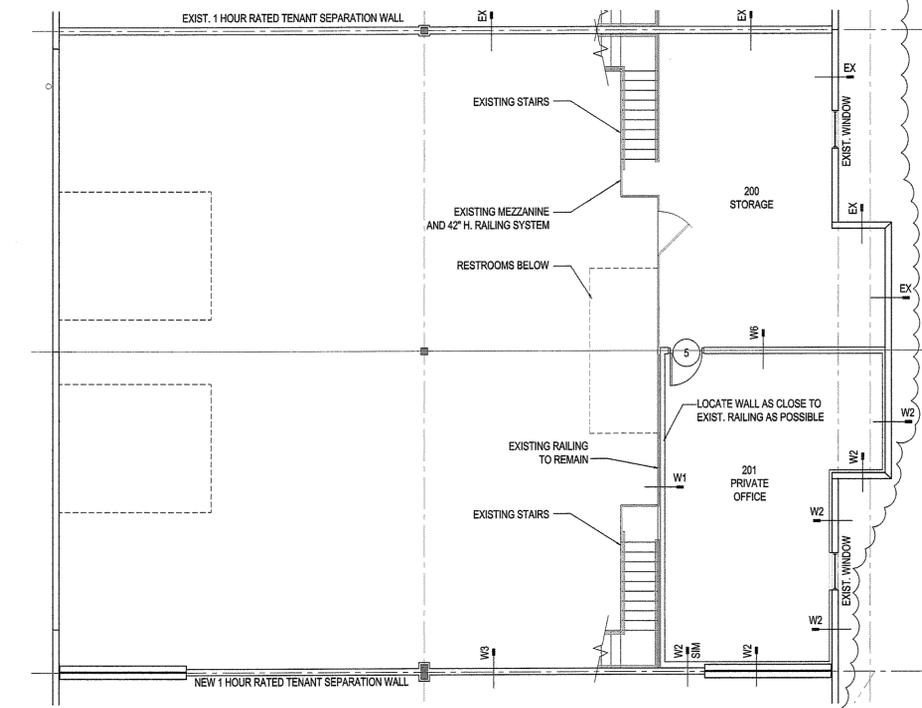
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



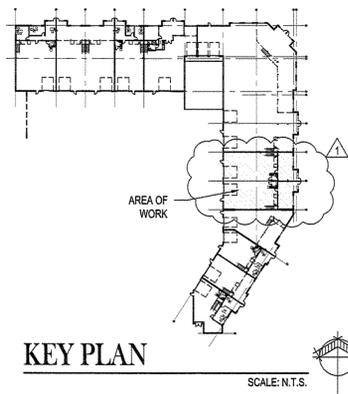
HIGH REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



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



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



KEY PLAN
SCALE: N.T.S.

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architects

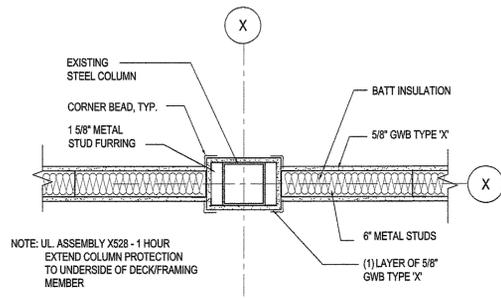
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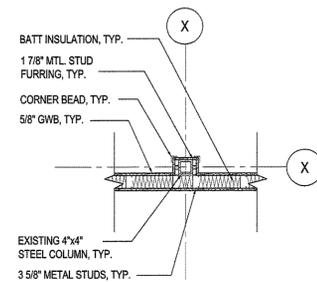
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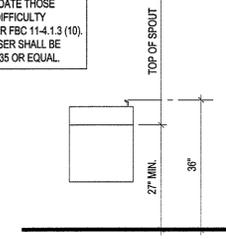
01 COLUMN DETAIL
SCALE: 1/2"=1'-0"



02 COLUMN DETAIL
SCALE: 1/2"=1'-0"

03 NOT USED

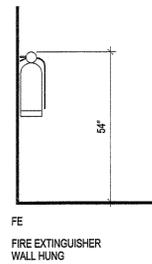
NOTE:
ACCESSIBLE DRINKING
FOUNTAIN SHALL BE
MOUNTED PER FBC 11-4.15.
PROVIDE CUP DISPENSER
TO ACCOMMODATE THOSE
WHO HAVE DIFFICULTY
BENDING. PER FBC 11-4.1.3 (10),
CUP DISPENSER SHALL BE
BOBRICK B-235 OR EQUAL.



04 DRINKING FOUNTAIN DETAIL
SCALE: 1 1/2"=1'-0"

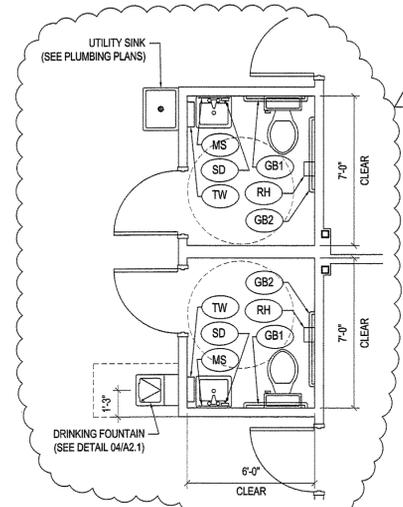
WALL TYPE NOTES:

- FOR ALL FIRE RATED WALLS PROVIDE STENCILING ABOVE CEILING STATING "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS".
- REFER TO FLOOR PLAN FOR LOCATIONS OF RATED WALL ASSEMBLIES; CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NOTED RATINGS.
- WALL BOARD AND SURFACE FINISH MATERIAL SHALL EXTEND A MINIMUM OF 6" ABOVE NEAREST ADJACENT CEILING, UNLESS NOTED OTHERWISE.
- PROVIDE SOUND BATT INSULATION AT ALL RESTROOM PARTITIONS, TYPICAL.
- PROVIDE 1/2" PLYWOOD BACKING AT ALL PARTITIONS TO RECEIVE WALL MOUNTED EQUIPMENT. VERIFY LOCATIONS WITH TENANT.
- ALL PENETRATIONS OF RATED STEEL STUD PARTITION WALLS AND WALL EXTENSIONS, FLOOR AND ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH ONE OF THE FOLLOWING UL SYSTEMS:
SYSTEM NO. C-AJ-2218 SYSTEM NO. W-L-1176
SYSTEM NO. C-AJ-1014 SYSTEM NO. W-L-2154
SYSTEM NO. W-L-1054 SYSTEM NO. W-L-2148
- ALTERNATE PENETRATION PROTECTION SYSTEMS MUST BE TEST CERTIFIED AND SUBMITTED FOR REVIEW.

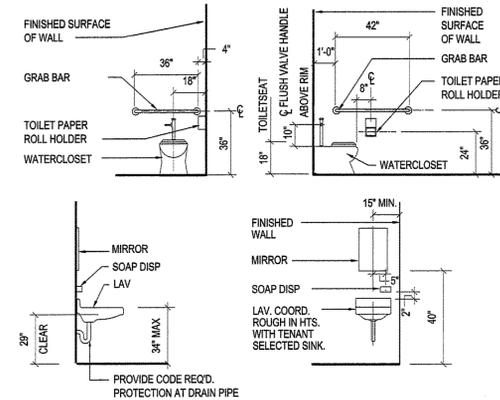


05 FIRE EXTINGUISHER DETAIL
SCALE: 1 1/2"=1'-0"

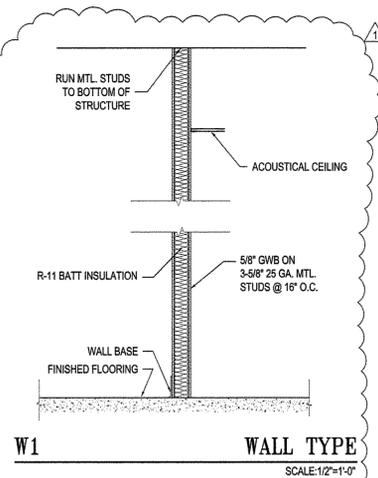
RESTROOM ACCESSORIES	
GB1	36" STAINLESS STEEL GRAB BAR (BOBRICK B-6806/36 OR EQUAL)
GB2	42" STAINLESS STEEL GRAB BAR (BOBRICK B-6806/42 OR EQUAL)
MS	16"x30" FRAMED MIRROR (BOBRICK B-165 1830 OR EQUAL)
TW	SURFACE MOUNTED PAPER TOWEL DISPENSER (BOBRICK B-262 OR EQUAL)
SD	SURFACE MOUNTED SOAP DISPENSER (BOBRICK B-2111 OR EQUAL)
RH	TOILET TISSUE DISPENSER (BOBRICK B-7687 OR EQUAL)



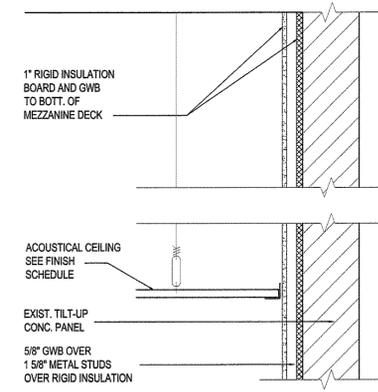
06 ENLARGED RESTROOMS
SCALE: 1/4"=1'-0"



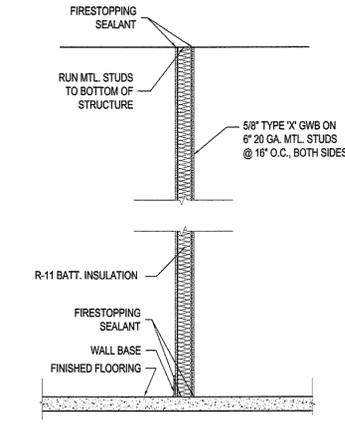
07 TYP. MTG. HEIGHTS
SCALE: N.T.S.



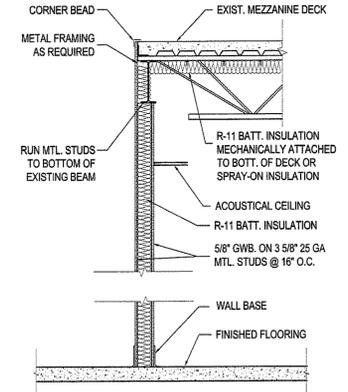
W1 WALL TYPE
SCALE: 1/2"=1'-0"



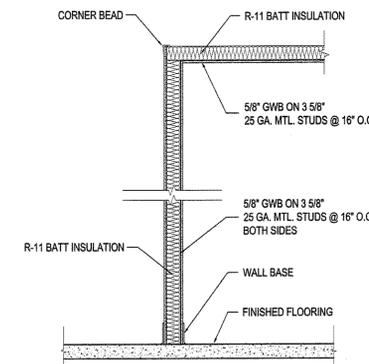
W2 WALL TYPE
SCALE: 1/2"=1'-0"



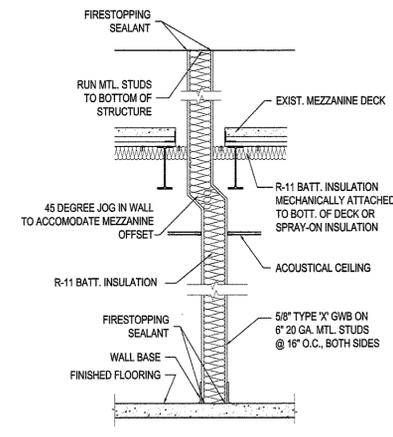
W3 WALL TYPE
UL DESIGN No. U465 SCALE: 1/2"=1'-0"



W4 WALL TYPE
SCALE: 1/2"=1'-0"



W5 WALL TYPE
SCALE: 1/2"=1'-0"



W6 WALL TYPE
UL DESIGN No. U465 SCALE: 1/2"=1'-0"

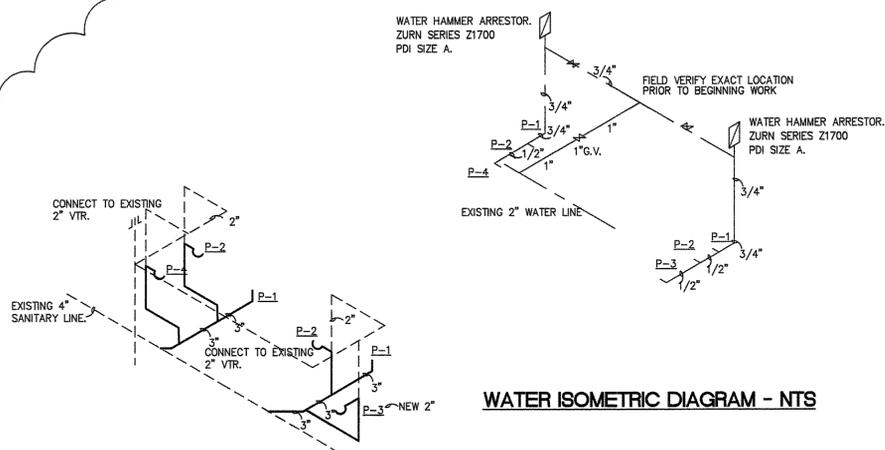
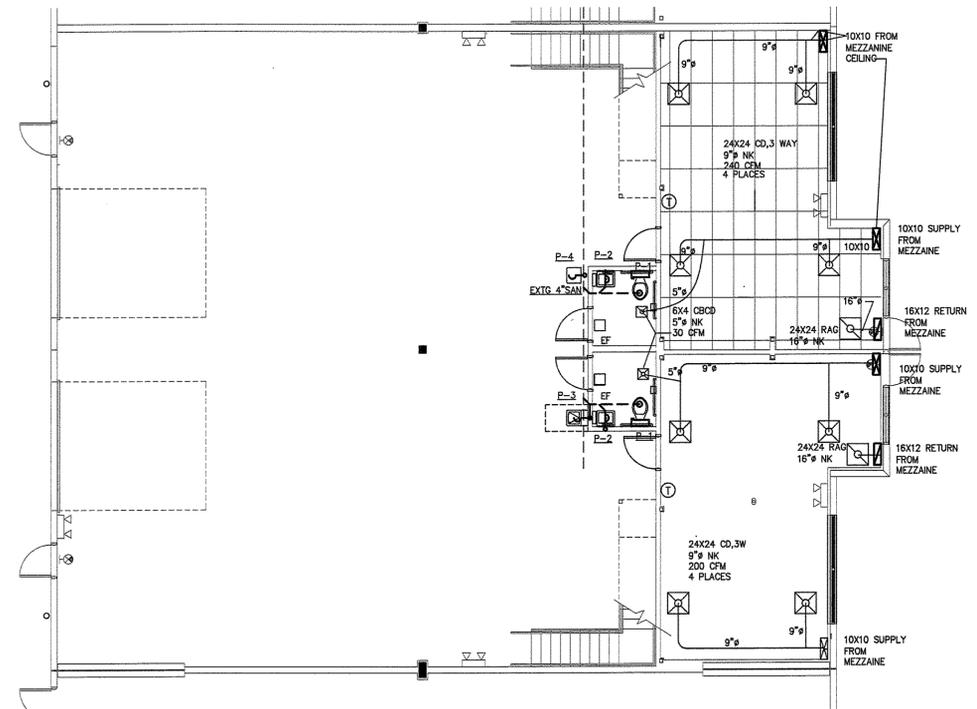
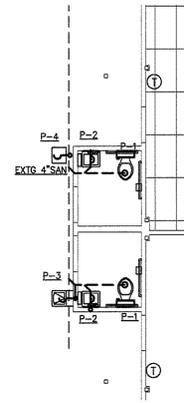
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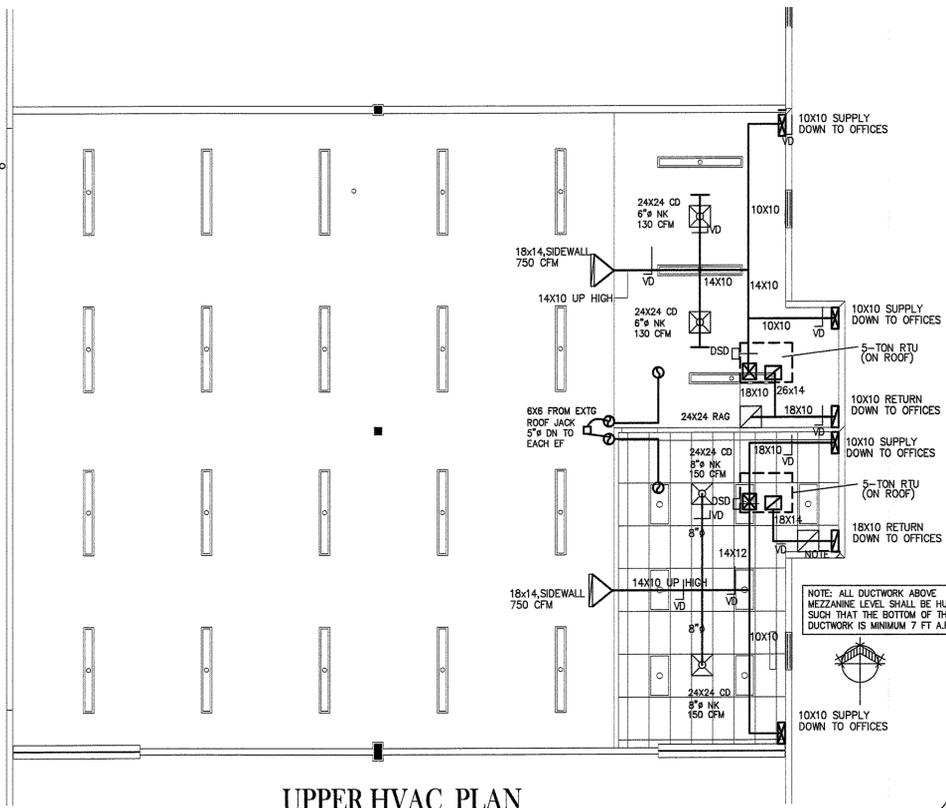
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SANITARY ISOMETRIC DIAGRAM - NTS



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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 CONSTRUCTION.
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 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.
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 AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
22. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUTOFF.
23. THE DESIGN & INSTALLATION OF THE PLUMBING SYSTEM & ALL APPURTENANCES SHALL COMPLY STRICTLY WITH THE APPLICABLE PROVISIONS OF THE FLORIDA BUILDING PLUMBING CODE & THE LOCAL AMENDMENTS TO THE FLORIDA BUILDING PLUMBING CODE.

MECHANICAL LEGEND

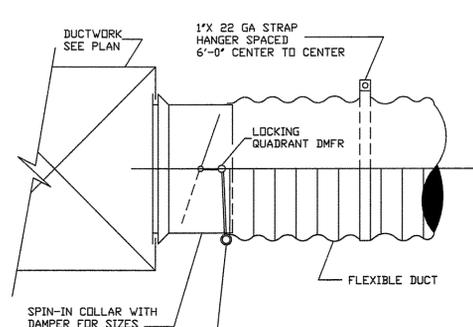
-  24X24 PERFORATED CEILING DIFFUSER.
-  24X24 PERFORATED RETURN/TRANSFER GRILLE.
-  SIDEWALL SUPPLY AIR REGISTER (SAR).
-  SIDEWALL RETURN GRILLE (SAG).
-  EXHAUST FAN
-  CURVED BLADE CEILING DIFFUSER (CBCD)
-  RIGID DUCTWORK
-  FLEXIBLE DUCTWORK
-  MANUAL VOLUME DAMPER
-  WALL MOUNTED THERMOSTAT.
-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

GENERAL MECHANICAL NOTE

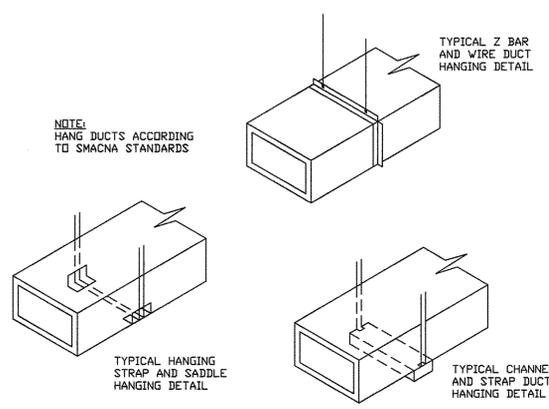
1. VISIT THE SITE BEFORE SUBMITTING A BID. DETERMINE THE CHARACTERISTICS OF EXISTING FACILITIES WHICH WILL AFFECT PERFORMANCE OF THE WORK, BUT WHICH ARE NOT SHOWN ON THE DRAWINGS OR THE SPECIFICATIONS.
2. SHOP DRAWINGS OR FULLY DESCRIPTIVE CATALOG DATA SHALL BE SUBMITTED BY THE CONTRACTOR FOR ALL KINDS 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

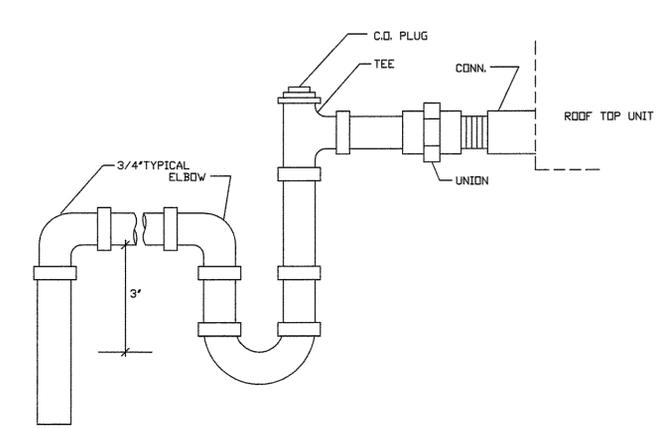
1. VISIT THE SITE PRIOR TO SUBMITTING A BID. DETERMINE THE CHARACTERISTICS OF EXISTING FACILITIES WHICH WILL AFFECT PERFORMANCE OF THE WORK, BUT WHICH ARE NOT SHOWN ON THE DRAWINGS.
2. PROVIDE ALL LABOR PERMITS, MATERIAL, TOOLS, SUPPLIES, EQUIPMENT TO INSTALL A COMPLETE AND OPERATING AIR CONDITIONING SYSTEM. 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 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 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 (T) FROM AT EACH EVAPORATOR COIL, INCLUDE ALL VOLTAGE AND AMPERAGE FOR EACH MOTOR. THE REPORT SHALL BE DONE BY AN INDEPENDENT TAB 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 METALAIR.
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-IB02 WITH 1 1/2 HOUR RATING & DAMPERS FOR ROUND DUCT SHALL BE EQUAL TO RUSKIN #D-IB02-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 APPURTENANCES 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 SHOWN.
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 OCCUR.
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. WINDS.
23. ALL UNITS SHALL BE PROVIDED W/ HONEYWELL ELECTRONIC PROGRAMMABLE THERMOSTATS.



DUCT TAKE-OFF DETAIL NTS



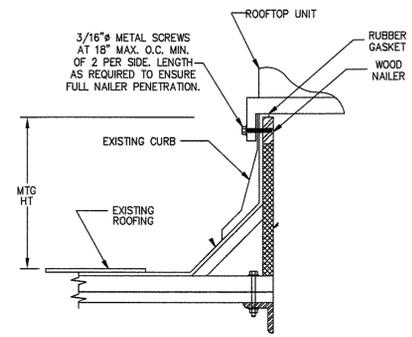
METHODS OF HANGING DUCTS nts



CONDENSATE PIPING DETAIL NTS

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	DESCRIPTION	TRIM	REMARKS
1	H. C. W. C.	A/S 2216.170 CADET 1.6GPF	OPEN FRONT SEAT ELONGATED BOWL	HANDICAP 17" HIGH
2	LAVATORY	A/S 0124.024 COMRADE	A/S 5402.172H FAUCET W/WRIST HANDLES AND GRID DRAIN AND 0.5 GPM FLOW RESTRICTOR	WALL MTD
3	EWG	OASIS PBAC	W/ PAPER CUP HOLDER	
4	LAUNDRY TUB	F1AT FL-1 SINGLE COMPARTMENT	A-1 DECK TYPE FAUCET	FREE STANDING



SUPPORT CURB DETAIL - NTS

ROOFTOP SCHEDULE - BASED ON TRANE

TYPE	5.0 TON
MODEL NO.	4TCC3060A3
TOTAL COOLING	58500
SENSIBLE	41600
CFM	2000
ELEC. HEAT-KW	7.50
COMP.FLA	18.1
OD FAN FLA	1.4
ID FAN FLA	7.6
FUSE	50
SEER	13.0
WEIGHT	482
ELECTRICAL	208-3PH

1. PROVIDE ROOF CURB ADAPTER TO ALLOW NEW RTU TO MOUNT ON EXISTING BAYCUB050A.
2. MECHANICAL CONTRACTOR SHALL PROVIDE FILTER RACK IN UNIT.

OUTSIDE AIR CALCULATION

(PER ASHRAE CODE 62.1, TABLE 6-1)

OFFICES (5 PPL / 1000 SF) X 569 SF X 17 CFM/PPL = 48.4 CFM

STORAGE (530 SF) X .06 = 25.8 CFM

WAREHOUSE 1650 SF X .06 = 99.0

TOTAL EACH RTU: 173.2 CFM EACH RTU
SUPPLIED: 200 CFM EACH RTU

FAN SCHEDULE

MARK	MANUFACTURER	EF
	GREENHECK	
MODEL	SP-B70	
TYPE	CEILING	
SERVICE	TOILET	
CFM/S.P.	57/0.25	
H.P.	FRACTIONAL	
RPM	875	
VOLTAGE/PH.	120/1	

- NOTES:
1. FOR MARK "EF", ACCEPTABLE ALTERNATE MANUFACTURERS SHALL BE PENN, CARNES.
 2. FOR MARK "CF", PROVIDE WITH SWB2 WALL CONTROL.

AIR DISTRIBUTION SCHEDULE-BASED ON TITUS

MODEL	MATERIAL	DEVICE	REMARKS
250-AA	ALUMINUM	CURVED BLADE CEILING DIFFUSER	W/OBD NOTE 1
PAS-AA	ALUMINUM	24X24 PERFORATED SUPPLY GRILLE	NOTE 2
PAR-AA	ALUMINUM	24X24 PERFORATED RETURN GRILLE	W/OBD NOTE 2
300-FS-AA	ALUMINUM	DOUBLE DEFLECTION, ADJUSTABLE BLADE SIDEWALL DIFFUSER	W/OBD NOTE 1
4FL-AA	ALUMINUM	FIXED BLADE CEILING RETURN GRILLE	W/OBD NOTE 1

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

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Southern Park of Commerce
Palm Beach County, FL

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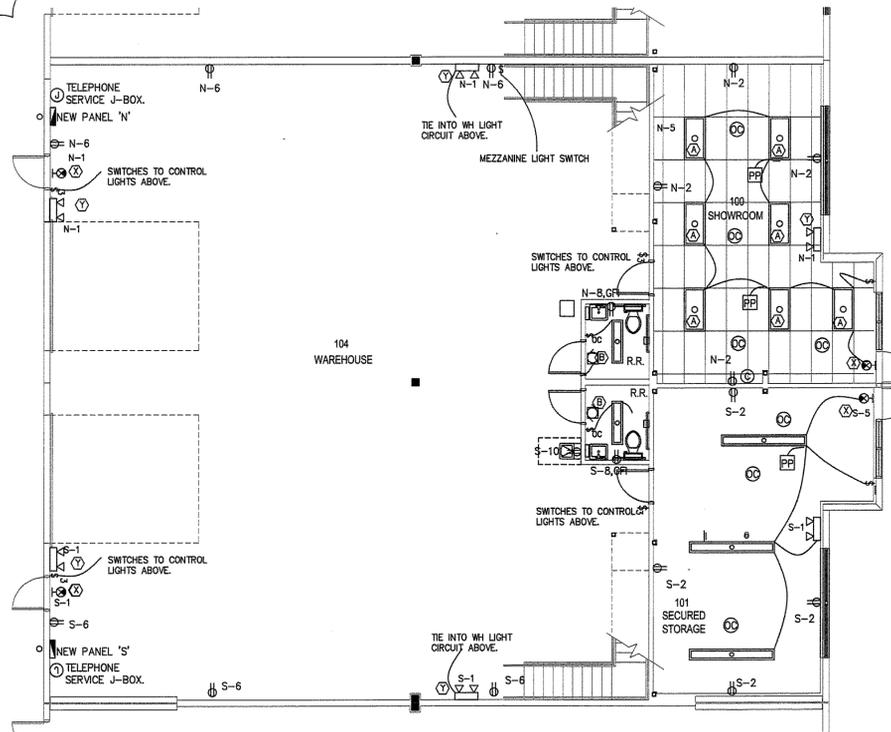
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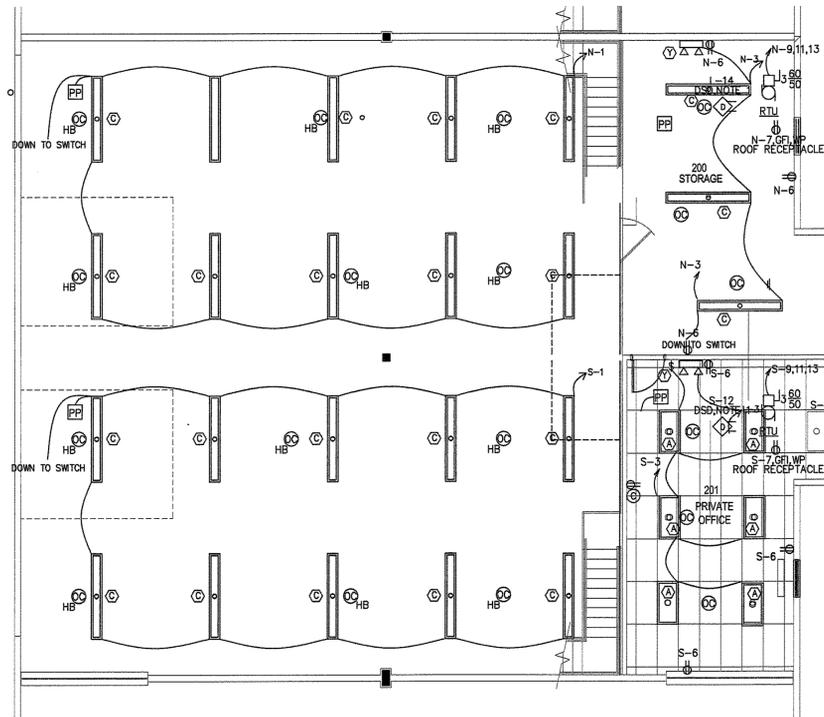
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SEAL



GROUND FLOOR ELECTRICAL PLAN

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



UPPER ELECTRICAL PLAN

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

SPECIFIC NOTES:

- 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) PROVIDE A TEST/RESET STATION ABOVE THE THERMOSTAT.
- 3) FOR MEZZANINE AND 1ST FLOOR STORAGE ROOMS, LIGHT FIXTURES SHALL BE NO LOWER OR EXTEND BELOW BOTTOM OF JOISTS
- 4) ANY EXPOSED LOW VOLTAGE WIRING BELOW THE BOTTOM OF THE JOISTS LEVEL SHALL BE IN CONDUIT.

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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 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 INSULATION.

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 AS REQUIRED BY EXPOSURE.

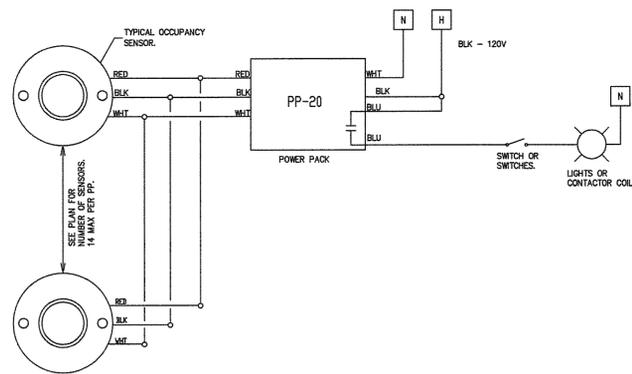
23. CONTRACTOR SHALL CONFIRM WITH FPL ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.

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:

- 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 SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL SYSTEM.
 - FLOOR PLANS INDICATING THE LOCATION & THE AREA SERVED FOR ALL DISTRIBUTION.
- THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER W/AN OPERATING MANUAL & A MAINTENANCE MANUAL. THE MANUALS SHALL INCLUDE THE FOLLOWING:
 - SUBMITTAL DATA STATING EQUIPMENT RATINGS & SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
 - OPERATION MANUALS & MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
 - NAMES & ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- 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%.

LOW VOLTAGE SENSOR(S) WIRING 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. SENSOR SWITCH #PP-20.
- LOW CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL THE POWER PACK. SENSOR SWITCH #CM-9-PDT(WHITE).

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMPS	REMARKS
A	DAYBRITE	2TG8332-01-120-1/3-EB	(3)F32 T8	2X4 RECESSED TROFFER, PRISMATIC ACRYLIC LENS, GRID CEILING MOUNT.
B	DAYBRITE	1TF232-01-120-1/2-EB	(2)F32 T8	1X4 RECESSED TROFFER, PRISMATIC ACRYLIC LENS, FLANGE CEILING MOUNT.
C	DAYBRITE	1FD232-PP-120-1/4-EB	(4)F32 T8	8 FT INDUSTRIAL FLUORESCENT.
X	CHLORIDE	E-R-B-1-120/6	INCLUDED	LED SINGLE FACE EXIT WITH BATTERY.
Y	CHLORIDE	GM1	INCLUDED	WALL MOUNTED EMERGENCY LIGHT WITH BATTERY.

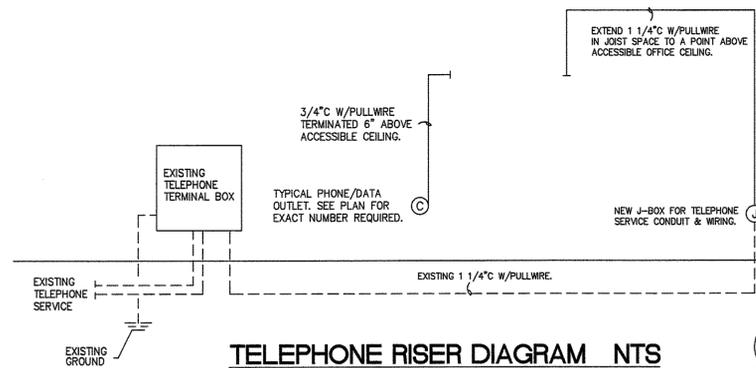
LIGHTING POWER CALCULATION

SPACE	AREA (SQFT)	LPD (W/SQFT)	ALLOWABLE (W)	DESIGN (W)
OFFICES-N	450	1.1	495	576
MEZZ-STORAGE N	450	0.9	405	384
TOILET N	51	0.9	46	64
WAREHOUSE N	1710	1.4	2394	1280
STORAGE GROUND S	450	0.9	405	384
TOILET S	51	0.9	46	64
WAREHOUSE S	1710	1.4	2394	1280
MEZZANINE OFFICE S	450	1.1	495	384
TOTAL	2914		6680	4416

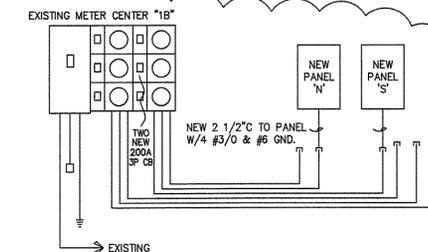
THE DESIGN WATTAGE OF 4416 W IS LESS THAN THE ALLOWABLE WATTAGE OF 6680 W. LIGHTING POWER CALCULATION AS PER FBC 13-415.8.1 (SPACE BY SPACE METHOD)

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.
- GROUND FAULT INTERRUPTER.
- TOGGLE TYPE WALL SWITCH (3 = 3 WAY)
- TWO POLE RECEPTACLE.
- OCCUPANCY SENSOR (SEE DEVICE SCHEDULE).
- POWER PACK (SEE DEVICE SCHEDULE).
- EXHAUST FAN.
- DISCONNECT.
- DUCT SMOKE DETECTOR.
- TEST/RESET STATION.



TELEPHONE RISER DIAGRAM NTS



ELECTRICAL RISER DIAGRAM NTS

LOAD CENTER SCHEDULE 'N'

120/208 VOLTS	3 PHASE	4 WIRE	200 AMP BUS	42 BRANCH POLES	X FULL NEUTRAL
SURFACE MOUNTING 200 AMP MAIN LUGS SHORT CIRCUIT I= 22,000 AMP-SYM-RMS					
COND. & WIRE	AMPS	LOAD	BKR	C B U S	COND. & WIRE
1/2" #12	11	LIGHTING WAREHOUSE	1 20 1	2 1 20	RECEPTACLES OFFICE
1/2" #10	3	MEZZANINE	1 3 4	1 3 4	WAREHOUSE
1/2" #12	6	OFFICES	1 5 6	1 5 6	MEZZANINE OFFICE
1/2" #10	3	ROOF RECEPTACLE	1 20 7	8	GFL TOILET
3/4" #8	40	ROOFTOP A/C	3 50 9	10	ENC
			11 12	11 12	DUCT SMOKE DETECTOR
			13 14	13 14	SPACE
			15 16	15 16	
			17 18	17 18	
			19 20	19 20	
			21 22	21 22	
			23 24	23 24	
			25 26	25 26	
			27 28	27 28	
			29 30	29 30	
			31 32	31 32	
			33 34	33 34	
			35 36	35 36	
			37 38	37 38	
			39 40	39 40	
			41 42	41 42	
TOTAL AMPS		BUS A= 63		BUS B= 53	
		BUS C= 55		CONNECTED KVA=	

LOAD CENTER SCHEDULE 'S'

120/208 VOLTS	3 PHASE	4 WIRE	200 AMP BUS	42 BRANCH POLES	X FULL NEUTRAL
SURFACE MOUNTING 200 AMP MAIN LUGS SHORT CIRCUIT I= 22,000 AMP-SYM-RMS					
COND. & WIRE	AMPS	LOAD	BKR	C B U S	COND. & WIRE
1/2" #12	11	LIGHTING WAREHOUSE	1 20 1	2 1 20	RECEPTACLES STORAGE GROUND 6
1/2" #10	3	MEZZANINE	1 3 4	1 3 4	WAREHOUSE
1/2" #12	6	OFFICES	1 5 6	1 5 6	MEZZANINE OFFICE
1/2" #10	3	ROOF RECEPTACLE	1 20 7	8	GFL TOILET
3/4" #8	40	ROOFTOP A/C	3 50 9	10	ENC
			11 12	11 12	DUCT SMOKE DETECTOR
			13 14	13 14	SPACE
			15 16	15 16	
			17 18	17 18	
			19 20	19 20	
			21 22	21 22	
			23 24	23 24	
			25 26	25 26	
			27 28	27 28	
			29 30	29 30	
			31 32	31 32	
			33 34	33 34	
			35 36	35 36	
			37 38	37 38	
			39 40	39 40	
			41 42	41 42	
TOTAL AMPS		BUS A= 65		BUS B= 54	
		BUS C= 56		CONNECTED KVA=	

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SEAL