- ALL MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL STANDARDS AND TO THE APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS, INCLUDING THOSE FURNISHED BY SUBCONTRACTORS.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED PRODUCT. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- THESE DRAWINGS SHOW ONLY REPRESENTATIVE AND TYPICAL DETAILS TO ASSIST THE CONTRACTOR. THE DRAWINGS DO NOT ILLUSTRATE EVERY CONDITION. ALL ATTACHMENTS, CONNECTIONS, FASTENINGS, ETC., SHALL BE PROPERLY SECURED IN CONFORMANCE WITH THE BEST PRACTICE, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THEM.
- DETAILS SHOWN ON DRAWINGS APPLY AT ALL LIKE CONDITIONS.
- THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATED HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.
- INSTALL ALL MANUFACTURING ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDED SPECIFICATIONS; EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITH.
- PROVIDE AND MAINTAIN IN PROPER ORDER AND IN GOOD, CLEAN CONDITION AT THE PROJECT SITE, ONE COMPLETE SET OF DRAWINGS. PRINT IN PENCIL, NEATLY AND ACCURATELY, ANY AND ALL CHANGES TO THE PROJECT. THIS SET OF PRINTS SHALL BE SCANNED AND CONVERTED TO PDF FILE FORMAT, AND PRESENTED TO THE OWNER AT THI TIME OF FINAL ACCEPTANCE OF THE WORK BY THE G.C.
- ANY CLARIFICATION TO THE DRAWINGS SHALL BE SUFFICIENTLY GIVEN AND IN WRITING BEFORE IT SHALL BE ADDRESSED BY THE ARCHITECT. ANY CHANGE THAT WILL EFFECT TIMING OR COST SHALL HAVE APPROVAL IN WRITING PRIOR TO WORK BEING DONE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN INTERNET, TELEPHONE, TOILET, WATER AND ELECTRICITY FOR ALL PROJECT FUNCTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, VALVES OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES MUST BE REMOVED AT COMPLETION OF THE PROJECT, LEAVING ALL UTILITIES IN "LIKE NEW" CONDITION.
- THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE SAFETY BARRICADES AND CLEAR ACCESS IN AND OUT OF THE WORK SITE SO AS TO FACILITATE DAILY TRAFFIC MOVEMENT, DELIVERIES AND SAFETY.
- THE CONTRACTOR SHALL LIMIT ACCESS TO THE PROJECT SITE TO AUTHORIZED PERSONS AND EQUIPMENT ONLY.
- 12. EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE. PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FROM INJURY OR DAMAGES. AT THE END OF THE DAYS WORK, ALL NEW WORK LIKELY TO BE DAMAGED SHALL BE COVERED OR OTHERWISE PROTECTED AS REQUIRED.
- SUBSTITUTIONS WILL BE CONSIDERED ONLY WHERE THE TERM "APPROVED EQUAL" IS USED. APPROVAL IS AT THE SOLE DISCRETION OF THE ARCHITECT.
- 4. ALL ITEMS TO BE INSTALLED BY G.C. SHALL REQUIRE UNLOADING AND ASSEMBLY IF NECESSARY.
- . GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING, ACCEPTING AND CHECKING EQUIPMENT FOR ALL OWNER-SUPPLIED ITEMS.
- . GENERAL CONTRACTOR IS RESPONSIBLE FOR DAMAGES AND/OR FREIGHT CLAIMS FOR ALL SHIPMENTS TO THE PROJECT SITE.
- ALL NEW ITEMS SHALL FULLY COMPLY WITH ADA ACCESSIBILITY GUIDELINES SECTION 4.1.3 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL SECURE FINAL ACCESSIBILITY SITE INSPECTION APPROVAL PRIOR TO DEMOBILIZATION.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE CONTRACT DOCUMENTS.
- . THE OWNER SHALL BE NOTIFIED OF ANY UNFORSEEN CONDITIONS WHICH MAY AFFECT PROGRESS OR COST OF WORK PERFORMED.
- ). FIRE EXTINGUISHERS SHALL BE LOCATED PER DIRECTION OF FIRE DEPARTMENT. PROVIDE A MINIMUM OF 2. MAXIMUM TRAVEL DISTANCE TO A FIRE EXTINGUISHER: 75'. FIRE EXTINGUISHERS SHALL BE PROVIDED, INSTALLED AND CERTIFIED BY THE GENERAL
- IF ANY HOT WORK IS DONE DURING THE CONSTRUCTION WORK A FIRE WATCH MUST BE CONDUCTED WITH A FIRE EXTINGUISHER NEAR THE HOT WORK SITE. ADJACENT AREAS SHOULD BE PROTECTED THRU THE USE OF A FIRE PROOF BLANKET AROUND THE AREA OF
- ADDRESS IDENTIFICATION. ALL BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS NUMBERS OR LETTERS PER IBC 501.2. EACH CHARACTER SHALL BE A MINIMUM 8 INCHES HIGH AND A MINIMUM OF 0.5 INCH WIDE, INSTALLED ON A CONTRASTING BACKGROUND AND BE PLAINLY VISIBLE FROM THE RIGHT-OF-WAY.

#### ALL FIRE BLOCKING AND DRAFT STOPPING SHALL CONFORM TO THE BUILDING CODE.

- FIRE BLOCKS SHALL BE PROVIDED IN ACCORDANCE WITH THE BUILDING CODE AT THE FOLLOWING LOCATIONS:
- 2.a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS, AT 10-FOOT INTERVALS ALONG THE LENGTH
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS THOSE THAT OCCUR AT SOFFITS, DROP CEILINGS AND COVE
- IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED.
- IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.



# TENANTIMPROVEMENTS

CARESPOT URGENT CARE

8132 LEE VISTA BLVD. #102, ORLANDO, FLORIDA 32801

### CODE SUMMARY

BUILDING CODES: FLORIDA BUILDING CODE 6TH EDITION (2017) FLORIDA BUILDING CODE ACCESSIBILITY 6TH EDITION (2017) NATIONAL ELECTRICAL CODE (2014) MECHANICAL CODE (2017) FUEL GAS CODE (2017) FLORIDA ENERGY CODE (2017) PLUMBING CODE (2017)

FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017) NFPA 101 LIFE SAFETY CODE (2015) W/ FLORIDA AMENDMENTS NFPA 1 UNIFORM FIRE CODE (2015) W/ FLORIDA AMENDMENTS FLORIDA STATUTES FLORIDA ADMINISTRATIVE CODE

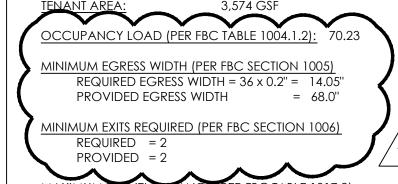
ORLANDO CITY CODE

INTERIOR FINISH OUT OF A NEW ONE STORY SHELL BUILDING. THE PROPOSED USE IS A BUSINESS OCCUPANCY WHICH IS CONSISTENT WITH THE ZONING OF THE PROPERTY.

PARCEL ID: 302325900200020

PROPERTY DESCRIPTION: VISTA PALMS COMMERCIAL 69/37 LOT 2

OCCUPANCY: BUSINESS GROUP B CONSTRUCTION: TYPE IIB - SPRINKLED



EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 250'

NOT REQUIRED FIRE ALARM:

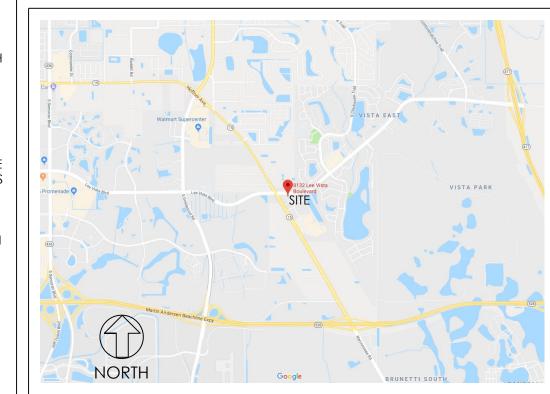
THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT AND OBTAIN A FIRE SPRINKLER PERMIT PRIOR TO INSTALLATION OR MODIFICATION OF THE SYSTEM.

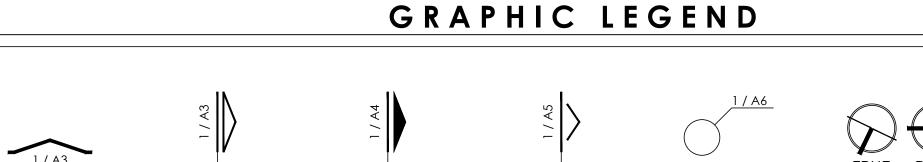
WALL, FLOOR AND CEILING FINISHES SHALL COMPLY WITH NFPA 101 SECTION 10.2

ARCHITECT'S STATEMENT OF FACT BY SIGNING AND SEALING THIS DRAWING, THE ARCHITECT ACKNOWLEDGES THAT

TO THE BEST OF HIS/HER KNOWLEDGE, THESE DRAWINGS AND THE PROPOSED WORK COMPLY WITH THE MINIMUM APPLICABLE BUILDING CODES AND FIRE SAFETY REGULATIONS AS DETERMINED BY THE LOCAL AUTHORITY HAVING

### PROJECT LOCATION





WALL SECTION

**BUILDING SECTION** 

**ELEVATION** 

B.U.R.

CAB.

C.B.

CEM.

C.J.

CLG.

CLR.

C.M.

C.O.

COL.

CONT

CONC.

CONTR.

COOR.

CORR.

DED.

DIA.

DN.

D.S.

DSB DWG

CONSTR.

ELEVATION REFERENC

DOOR NUMBER

**DETAIL SECTION** 

**PARTITION TYPE** 

ENLARGED DETAIL

INSIDE DIAMETER

XX1

NORTH ARROWS

**REVISION CLOUD** 

## **ABBREVIATIONS**

w .	/ \	L.	L/ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.0.	INSIDE DIMINILITAN	1.	IC/ (DIOS
Ø	CENTERLINE	EA.	EACH	IE.	INVERT ELEVATION	RA.	RETURN AIR
Ø P	DIAMETER OR ROUND	E.B.	EXPANSION BOLT	I.G.	ISOLATED GROUND	RD.	ROUND, ROOF DRAIN
&	AND			IN.	INCH	REINF.	REINFORCEMENT
		E.I.F.S.	EXTERIOR INSULATION FINISH	INSUL.	INSULATION	REQ'D.	REQUIRED
A, AMP.	AMPERE		SYSTEM			R.F.M.	RECESSED FLOOR MA
A.B.	ANCHOR BOLT	E.J.	EXPANSION JOINT	INT.	INTERIOR AND INTERCOM	RM.	ROOM
ABV.	ABOVE	EL.	ELEVATION	INV.	INVERT	R.O.	ROUGH OPENING
A/C	AIR CONDITIONING	ELEC.	ELECTRIC				
ACT	ACOUSTICAL TILE	E.P.	ELECTRICAL PANELBOARD	JAN.	JANITOR	S.	SOUTH AND SLOPE
ADA	AMERICANS W/ DISABILITIES ACT	EST.	ESTIMATE	JT.	JOINT AND JOINT TRENCH	S.A.	SUPPLY AIR
A.F.F.	AUTHORITY HAVING JURISDICTION	EQ.	EQUAL			S.B.	SPLASH BLOCK
A.H.J.	AREA LIGHTING	EQP.	EQUIPMENT	KIT.	KITCHEN	S.C.	SOLID CORE
AL.	AREA LIGHTING	E.T.S.	EXPOSED TO STRUCTURE	K.O.	KNOCKOUT	SCHED.	SCHEDULE
ALUM.	ALUMINUM	E.W.	EACH WAY			S.D.	SMOKE DETECTOR
ALT.	ALTERNATIVE	E.W.C.	ELECTRIC WATER COOLER	LAM.	LAMINATE	SEAL.	SEALANT
APPROX.	APPROXIMATE	EXH.	EXHAUST	LAV.	LAVATORY	SECT.	SECTION
ARCH.	ARCHITECT, ARCHITECTURAL	EXP.	EXPANSION	LBS.	POUNDS	S.F.	SQUARE FOOT/FEET
AUTO.	AUTOMATIC	EXT.	EXTERIOR	L.F.	LINEAR FEET	SHT.	SHEET
AW.	ACOUSTICAL WALL			L.P.	LOW POINT	SHTG.	SHEETING
		F.A.	FIRE ALARM	LS	LANDSCAPING	SIM.	SIMILAR
BRD.	BOARD	F.C.	FURRING CHANNEL			S.J.	SAW CUT JOINT
BLDG.	BUILDING	F.D.	FLOOR DRAIN	MAS'Y	MASONRY	S.O.	SLAB OPENING
BLK.	BLOCK	FDN.	FOUNDATION	MAX.	MAXIMUM	SPECS.	SPECIFICATIONS
BM.	BEAM	F.E.	FIRE EXTINGUISHER	MDF	MEDIUM DENSITY FIBERBOARD	SQ.	SQUARE
B.O.	BOTTOM OF	F.E.C.	FIRE EXTINGUISHER & CABINET	MECH.	MECHANICAL	S.S.	STAINLESS STEEL
B.O.F.	BOTTOM OF FRAMING	F.F.E.	FINISH FLOOR ELEVATION	MTL.	METAL	SS.	Sanitary sewer
B.O.C.	BASE OF CURB	F.F.L.	FINISH FLOOR LINE	MFR.	MANUFACTURER	STD.	Standard
BOT.	BOTTOM	F.H.C.	FIRE HOSE CABINET	M.H.	MANHOLE	STL.	STEEL
BRG.	BEARING	FIN.	FINISH (ED)	MIN.	MINIMUM	STRUC.	STRUCTURAL
BSMT.	BASEMENT	FLG.	FLASHING	MIR.	MIRROR	SUSP.	SUSPENDED
BTWN.	BETWEEN	FLR.	FLOOR (ING)	MISC.	MISCELLANEOUS		
B.U.	BUILT-UP	F.O.	FACE OF CURRICON CRETE	M.O.	MASONRY OPENING	T.	tread, transformer

F.O.C. FACE OF CURB/CONCRETE **BUILT-UP ROOF** F.O.F. **FACE OF FINISH** F.O.M. FACE OF MASONRY CONDUIT OR CELCIUS F.O.S. FACE OF STUDS FIBER REINFORCED PANEL FRP. CATCH BASIN FOOT OR FEET CENTER TO CENTER **FOOTING** CEMENT FURR. FURRING CUBIC FEET PER MINUTE COUNTER FLASHING GROUND AND NATURAL GAS CORNER GUARD GA. GAUGE

CEILING HEIGHT GAL. GALLON CAST IN PLACE GALVANIZED CONTROL JOINT G.B. GRAB BAR COLUMN MOUNT G.C. GENERAL CONTRACTOR CFILING GROUND FAULT CIRCUIT CLEAR INTERRUPTER CONSTRUCTION MANAGER GALVANIZED IRON (STEEL) CONCRETE MASONRY UNIT GLUE-LAM BEAM **CLEAN-OUT** GND. GROUND COLUMN G.S.F. **GROSS SQUARE FOOTAGE CONCRETE** GYPSUM BOARD CONTINUOUS CONTRACTOR H.B. **HOSE BIBB** CONSTRUCTION

H.C.

H.D.

HORIZ.

H.P.

HR.

**HANDICAPPED** 

HOLLOW METAL

CONDITIONING

HEATING VENTILATING AND AIR

HIGH DENSITY

HORIZONTAL

HOUR

HEIGHT

DOUBLE DEDICATED DETAIL DRINKING FOUNTAIN DIAMETER DIMENSION DOWNSPOUT **DOUBLE STRENGTH** 

COORDINATE

CORRIDOR

CERAMIC TIL

DRAWING

MTD. MATL. MWK. N.I.C. NO. OR NOM. N.T.S. O.C. O.F.C.I. O.P.H. O.S.A. O.S.B. P/L. PEMB PER. P.LAM. HIGH POINT AND HORSE-POWER PLUMB.

PLYWD.

**PRFFIN** 

P.S.F.

P.S.I.

PVC.

PVMT.

NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE ON CENTER (S) OUTSIDE DIAMETER OWNER FURNISHED & CONTRACTOR INSTALLED OWNER FURNISHED & OWNER INSTALLED OVERHEAD OPENING OPPOSITE HAND OPPOSITE **OUTSIDE AIR** ORIENTED STRAND BOARD PROPERTY LINE PERIMETER PLASTIC LAMINATE

PAVEMENT

MOUNTED

MILLWORK

NORTH

MATERIAL (S)

PRE-ENGINEERED METAL BUILDING V.I.F. PLUMBING PLYWOOD PANEL PAIR PREFINISHED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POLYVINYL CHLORIDE

U.O.N. UNLESS OTHERWISE NOTED VOLTS AND VENT VENT. VENTILATION VERT. VERTICAL VESTIBULE VERIFY IN FIELD VINYL COMPOSITION TILE V.C.T. VTR. VENT THRU ROOF VINYL WALL COVERING V.W.C. WEST, WATTS AND WATER WITHOUT WOOD WIRE GLASS WATER HEATER W.H. WATERPROOF

**WORK POINT** 

WELDED WIRE FABRIC

TOP & BOTTOM

TELEPHONE

INSTALLED

**THICKNESS** 

TUBE STEEL

TYPICAL

TOP OF

**THRESHOLD** 

TABLE

**TONGUE & GROOVE** 

TENANT FURNISHED &

CONTRACTOR INSTALLED

TOP OF CURB/CONCRETE

TOP OF PAVEMENT/PARAPET

UNIFORM DISTRIBUTED LOAD

UNLESS NOTED OTHERWISE

**TENANT FURNISHED & TENANT** 

T&G

THRES.

T.O.C.

T.O.P.

U.N.O.

W.W.F.

T.S.

MECHANICAL - ELECTRICAL

P-1 MEP COVER SHEET - SYMBOLS

P-2 MEP COVER SHEET - NOTES P-1 PLUMBING FLOOR PLAN
P-2 PLUMBING SCHEDULES
P-3 PLUMBING DETAILS
P-4 PLUMBING RISER DIAGRAI CONTACT LIST RCHITECT:

RENEE LYNN + GLOTTA PROJECT MANAGEMENT DICKERSON DESIGN BUILD 8333 DOUGLAS AVE., STE. 1300 DALLAS, TEXAS 75225 CONTACT: JOHN DICKERSON PHONE: 214 691 5300

DRAWING INDEX

NEW / REVISED SHEET

ARCHITECTURAL

O REISSUED SHEET

2232 DANA DRIVE FLOWER MOUND, TEXAS 75028 **CONTACT: ERNIE GLOTTA** PHONE: 214 799 5031

AOS ENGINEERING 5020 TENNYSON PKWY. PLANO, TEXAS 75024 CONTACT: ANGIE BERRYMAN

PHONE: 214 432 3030

## PRINT RECORD

<u>PURPOSE</u>

OWNER REVIEW

DATE 10 / 15 / 2018 10 / 29 / 2018 12 / 12 / 2018 1 / 31 / 2019

CONSTRUCTION ISSUE PLAN REVIEW RESPONSE ARCHITECTURAL & ELECTRICAL PLAN REVIEW REISSUE

Last Revision

ш +

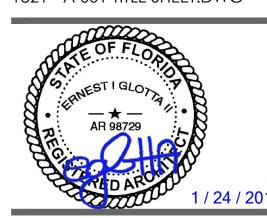
enter

32

/1 $\setminus$  12-12-18  $\,$  CITY COMMENTS No. Date

REVISIONS

1821 - A 001 TITLE SHEET.DWG



TITLE SHEET

Project No. 10-29-2018

# Ш + ШΖ ш >- $\sim$ -

# 0 te D 0

12/12/18 City Comment - Revision 11/28/18 City Comment - Revision No. Date REVISIONS

> GREGORY C. SPEER, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 63689.

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY GREGORY C. SPEER, PE ON 01/24/19 USING A DIGITAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

**COVER SHEET** 

ENGINEERING

NO.63669

Mary Control

STATE OF

CORIOS

5020 Tennyson Parkway - Plano, TX 75024 Dallas / Fort Worth 214.432.3030 Houston 832.532.2007

DISCIPLINES

**SYMBOLS** Project No.

2018-10-29 Date Last Revision

**(1)** 2 3

CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER

- 1. IT IS THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.
- 2. THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND THAT HE IS FAMILIAR WITH AND ACCEPTS ALL CONDITIONS OF THE PREMISES
- 3. PROVIDE EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGES CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.
- 4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AND, IN THE CASE OF DIFFERENCES BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT/ENGINEER AND THE OWNER IN WRITING OF SUCH DIFFERENCES. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.
- 5. THE DRAWINGS WERE PREPARED FROM THE BEST INFORMATION AVAILABLE, BUT DO NOT ATTEMPT TO INDICATE THE LOCATION OF ALL EXISTING EQUIPMENT. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING THE INSTALLATION OF HIS WORK PRIOR TO PROCEEDING WITH THE INSTALLATION. CHANGES REQUIRED TO THE DESIGN SHOWN ON THESE DRAWINGS DUE TO EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER/OWNER FOR REVIEW BY WAY OF SHOP DRAWINGS OR SKETCHES DETAILING THE EXISTING CONDITIONS AND THE PROPOSED CHANGE.
- 6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP LIKE MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, COST AND SERVICE NECESSARY TO COMPLETELY INSTALL ALL MECHANICAL WORK. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL.
- 7. COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL THERMOSTAT ABOVE DIMMER SWITCH.
- 8. PROPERLY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS APPROVED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
- 9. PROVIDE VIBRATION ISOLATION FOR MOTOR DRIVEN MECHANICAL EQUIPMENT.
- 10. ALL FANS SHALL CARRY THE CERTIFIED RATING SEAL AUTHORIZED BY AMCA.
- 11. PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.
- 12. DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS. DUCT AND FIRE DAMPER SIZES SHOWN ARE AIRSTREAM DIMENSIONS. ALL LONGITUDINAL AND TRANSVERSE SEAMS AND DUCT CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH TAPES OR MASTICS MEETING UL 181A OR UL181B, WELDS, OR GASKETS.
- 13. INSULATE NEW SUPPLY AND RETURN DUCTWORK AND PLENUMS WITH EITHER EXTERNAL INSULATION TYPE IV DUCT WRAP OR INTERNAL DUCT LINER, 1.5 PCF MINIMUM DENSITY. (SIZES SHOWN ARE AIRSTREAM DIMENSIONS.) DUCTWORK AND PLENUMS WITHIN UNCONDITIONED SPACES SHALL HAVE MINIMUM R-6 INSULATION. EXTERIOR DUCTWORK SHALL HAVE MINIMUM R-8 INSULATION.
- 14. DIFFUSERS, REGISTERS AND GRILLES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE AND SHALL BE PROVIDE WITH FRAMES COMPATIBLE WITH CEILING TYPE. DO NOT SPAN AIR DEVICES OVER PARTITIONS.
- 15. PROVIDE AN AIR BALANCING DEVICE FOR EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE. PROVIDE YOUNG REGULATORS WITH BOWDEN CABLE CONTROL FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ESCUTCHEONS IN CEILING WITH ARCHITECT PRIOR TO INSTALLATION.
- 16. CONTRACTOR TO VERIFY RETURN AIR PATH AND INCORPORATE RETURN AIR TRANSFER THROUGH WALLS AS NECESSARY. OPENING SIZED FOR A MAXIMUM OF 500 FPM UNLESS NOTED OTHERWISE.
- 17. COORDINATE ALL WALLS TO DECK WITH EXISTING DUCTWORK AND EXISTING TERMINAL UNITS.
- 18. BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN TENANT BORDERS AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THIS TENANT. BALANCING CONTRACTOR TO REVIEW DRAWINGS AND NOTIFY THE CONTRACTOR OF APPURTENANCES NEEDED FOR A PROPERLY BALANCED SYSTEM. TEST AND BALANCE CONTRACTOR TO BE T.A.B. CO.
- 19. PROVIDE NEBB CERTIFIED AIR BALANCE REPORT.
- 20. COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. PROVIDE SOFT COPPER PIPING UNDER SLAB TO AVOID UNDERGROUND FITTINGS.
- 21. INSULATE DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK) AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHNS-MANVILLE AP OR APPROVED EQUAL, SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS. ALL HOT WATER PIPING SHALL BE INSULATED PER THE ENERGY CODE. COLD WATER PIPING SHALL BE INSULATED IN EXTERIOR WALLS, CEILINGS OR IN SPACES EXPOSED TO OUTDOOR TEMPERATURES WITH 1" THICK FIBERGLASS INSULATION.
- 22. SOIL, WASTE AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL AND SPIGOT CAST IRON MANUFACTURED TO ASTM A 74 WITH TY-SEAL GASKETS MANUFACTURED TO ASTM C 564. CAST IRON PIPING ABOVE THE SLAB SHALL BE 'NO-HUB' PIPE AND FITTINGS MANUFACTURED TO CISPI 301. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWV COPPER OR SERVICE WEIGHT CAST IRON. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND BE LISTED WITH NSF INTERNATIONAL. LABORATORY CHEMICAL WASTE SYSTEMS SHALL BE SCHEDULE 40 CPVC MANUFACTURED TO ASTM F 2618. CHARLOTTE PIPE OR APPROVED EQUIVALENT. IF APPROVED BY LOCAL CODES, SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPING, ASTM AND NSF STAMPED AND APPROVED.
- 23. HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMECLOCK CAPABLE CONTROL.
- 24. PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED COMPLETE WITH TRIM AND ALL OTHER APPURTENANCES REQUIRED TO CONNECT TO ROUGH—IN PIPING AT FLOORS AND WALLS UNLESS OTHERWISE SPECIFIED.
- 25. WATER HEATING EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS WILL HAVE HEAT TRAPS INSTALLED ON THE SUPPLY AND DISCHARGE PIPING.
- 26. PVC PIPING LOCATED IN PLENUM RETURN MUST MEET ASTM E84 AND HAVE A FIRE SPREAD OF 25/50. ALL PIPING SHALL MEET ALL LOCAL CODE AND AMENDMENT REQUIREMENTS.
- 27. EXISTING EQUIPMENT NOTES:
- A. CONTRACTOR SHALL INSPECT EXISTING PLUMBING AND HVAC EQUIPMENT PRIOR TO SUBMITTING HIS BID.
- B. CONTRACTOR SHALL INCLUDE IN HIS BID A THOROUGH START-UP SERVICING AND CLEANING OF ALL EXISTING EQUIPMENT. PLACE ALL EXISTING SYSTEMS/EQUIPMENT IN PROPER OPERATING ORDER.
   C. IF REPAIRS ARE NECESSARY TO PLACE EXISTING EQUIPMENT IN WORKING ORDER, PROVIDE OWNER WITH A DETAILED WRITTEN REPORT OF NECESSARY REPAIRS AND A COST PROPOSAL TO PERFORM THE WORK. ALL SUCH SERVICE REPORTS SHALL BE DELIVERED TO THE OWNER WITHIN TWO DAYS OF NOTICE TO PROCEED. OWNER RESERVES THE RIGHT TO HAVE ANY REQUIRED REPAIRS DONE BY
- 28. PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.

OTHERS AND TO SEEK OTHER OPINIONS OR REQUIRED REPAIRS.

- 29. STANDARD NO-HUB COUPLINGS SHALL CONFORM TO CISPI 310 (MOST CURRENT EDITION) AND SHALL BE LISTED BY NSF INTERNATIONAL.
- 30. HEAVY DUTY COUPLINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM 1540 AND FM 1680 CLASS I.
- 31. COMPRESSION GASKETS FOR HUB & SPIGOT SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD C 564 AND ASTM C 1563 (MOST CURRENT EDITION)
- 32. JOINTS FOR PIPE AND FITTINGS SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE REQUIREMENTS.

## **ELECTRICAL NOTES:**

- 1. FOR EXACT LIGHT FIXTURE LOCATIONS, LIGHT FIXTURE SPECIFICATIONS, EXACT RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS, REFER TO ARCHITECTURAL PLANS AND DETAILS. MEP PLANS ARE FOR CIRCUITING INFORMATION AND LIFE SAFETY ONLY.
- 2. COORDINATE SWITCH/DIMMER LOCATIONS AND SWITCHING/DIMMING PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.
- 3. POKE-THROUGH/FLOOR BOX SPECIFICATIONS SHALL BE AS FOLLOWS:
  - DUPLEX WALKER RC3 (OR EQUIVALENT)
  - QUADRAPLEX WALKER RC4 (OR EQUIVALENT)

    FURNITURE FEED (TWO DEVICES SHOWN) WALKER RC7FFTC FOR POWER, WALKER RC900AM—114 FOR TELE/DATA (OR EQUIVALENTS)

    FURNITURE FEED (ONE DEVICE SHOWN) WALKER RC9FFTC COMBINATION POWER/TELE/DATA TOMBSTONE (OR EQUIVALENT)

    SLAB ON GRADE FLOOR BOX WALKER OMNIBOX 880CS3—1 (OR EQUIVALENT)
- 4. TENANT'S CABLING VENDOR TO VERIFY THAT TELE/DATA POKE—THROUGH QUANTITIES SHOWN ON PLANS ARE SUFFICIENT FOR CABLING REQUIREMENTS. CONTACT AOS/ARCHITECT IF ADDITIONAL DEVICES ARE REQUIRED.
- 5. PROVIDE OUTLET BOXES FOR ALL RECEPTACLES, SWITCHES, TELE/DATA DEVICES, ETC. AS REQUIRED PER PLANS.
- 6. ALL WET LOCATION RECEPTACLES (WITHIN 6' OF WET LOCATION) SHALL BE RATED 'GFI'. ALL OUTDOOR RECEPTACLES SHALL BE RATED 'WP' AND 'GFI'. ALL VENDING MACHINE RECEPTACLES TO BE GFI PROTECTED.
- 7. ALL RECEPTACLES SHALL BE GROUNDED. ALL DEVICES TO MATCH BUILDING STANDARD TYPE, U.N.O. ON PLANS. ALL FINISHES SHALL BE SELECTED BY ARCHITECT.
- 8. COORDINATE WITH BUILDING MANAGEMENT AND STRUCTURAL ENGINEER PRIOR TO INSTALLING ANY PENETRATIONS THROUGH SLABS, FIRE RATED WALLS, AND ROOFS TO VERIFY ANY X-RAY OR OTHER REQUIREMENTS NECESSARY PRIOR TO PERFORMING WORK. FINISHED INSTALLATION SHALL MAINTAIN FIRE PROOF, WATER PROOF, AND STRUCTURAL INTEGRITY OF SYSTEM PENETRATED.
- 9. ALL 120V BRANCH CIRCUITS ARE PROTECTED BY 1P/20A BREAKERS U.N.O. ON PLANS.
- 10. AT ALL LOCATIONS WHERE MULTIPLE SWITCHES ARE LOCATED TOGETHER, CONTRACTOR SHALL GANG SWITCHES UNDER ONE COVER PLATE.
- 11. ALL NEW LIGHT FIXTURES TO BE PROVIDED WITH LAMPS INCLUDED. ALL NEW/RELOCATED LIGHT FIXTURES SHALL BE SUPPORTED FROM ABOVE STRUCTURE, SEPARATE FROM CEILING GRID. PROVIDE AND INSTALL ALL REQUIRED ACCESSORIES RECOMMENDED BY MANUFACTURER FOR A COMPLETE INSTALLATION. CLEAN AND RELAMP ALL EXISTING TO REMAIN FIXTURES AS REQUIRED, VERIFY EXACT SCOPE IN FIELD.
- 12. ALL CONDUCTORS ARE TO BE COPPER, #12 GAUGE MINIMUM. CIRCUITS OF 120V EXCEEDING 115 FEET SHALL BE #10 GAUGE MINIMUM. CONTROL WIRING SHALL BE #14 GAUGE MINIMUM. ALL CONNECTIONS SHALL BE MADE WITH U.L. LISTED CONNECTORS. UPSIZE ALL SHARED NEUTRALS TO #10 WIRE.
- 13. DEMOLISH ALL UNUSED CONDUIT AND WIRING BACK TO SOURCE.
- 14. UTILIZE EXISTING BASE BUILDING EMERGENCY LIGHTING CIRCUITS FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. VERIFY MAXIMUM OF 16A PER CIRCUIT AFTER ADDITION OF NEW FIXTURES. IN THE ABSENCE OF EMERGENCY CIRCUITS, PROVIDE AND INSTALL BATTERY PACKS IN ALL EMERGENCY FIXTURES AND EXIT SIGNS.
- 15. IF ENERGY MANAGEMENT SYSTEM (EMS) IS PRESENT IN BUILDING, CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS THROUGH EMS AS DIRECTED BY BUILDING ENGINEER. COORDINATE IN FIELD.
- 16. PROVIDE POWER TO ALL NEW HVAC, VAV BOXES, DAMPERS, ETC. FROM NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING HVAC CONTROL PANEL AS REQUIRED. MATCH BUILDING STANDARD. COORDINATE ANY CONNECTIONS TO CONTROL SYSTEM WITH BUILDING ENGINEER. VERIFY LOCATIONS AND QUANTITIES WITH MECHANICAL PLANS. PROVIDE LOCAL DISCONNECT SWITCH AT EQUIPMENT.
- 17. STEEL EMT CONDUIT SHALL BE UTILIZED FOR ALL HOME RUNS, 3/4" U.N.O. ON PLANS. MC CABLE SHALL BE ALLOWED FOR BRANCH WIRING BETWEEN LIGHTS AND RECEPTACLES U.N.O.
- 18. FOR EACH SINGLE PHASE OR THREE PHASE MOTOR, CONTRACTOR TO INSTALL LOCAL DISCONNECT. REFERENCE PLANS FOR DISCONNECT TYPE.
- 19. ALL FEEDERS AND BRANCH WIRING (120-208V), CONTROL WIRING, AND COMMUNICATION WIRING (LOW VOLTAGE) SHALL BE COMPLETELY ENCLOSED IN ELECTRICAL RACEWAY FROM SOURCE TO TERMINATION. INSTALL NYLON PULL CORD IN ALL RACEWAYS. ALL RACEWAYS SHALL BE FULLY SUPPORTED FROM SOURCE TO TERMINATION. PROVIDE AND INSTALL ALL SUPPORTING MEANS AS REQUIRED FOR A COMPLETE SYSTEM. CONTRACTOR TO INSTALL PULL BOXES, JUNCTION BOXES, WIREWAYS. ETC. WHERE REQUIRED PER NEC FOR A COMPLETE. CODE COMPLIANT SYSTEM.
- 20. CONTRACTOR TO REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF ALL HVAC/PLUMBING EQUIPMENT PRIOR TO SUBMITTING BID AND ROUTING CIRCUITRY. CONTACT AOS IMMEDIATELY IF MECHANICAL/PLUMBING PLANS SHOW EQUIPMENT THAT IS NOT CIRCUITED ON ELECTRICAL PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE POWER TO ALL NEW HVAC/PLUMBING EQUIPMENT, TO ENSURE A COMPLETE, WORKABLE
- 21. CONTRACTOR TO OBTAIN APPROVAL FROM BUILDING MANAGEMENT FOR ANY SHUTDOWNS REQUIRED. UNDER NO CIRCUMSTANCES SHALL ANY ELECTRICAL DISTRIBUTION EQUIPMENT BE SHUT DOWN WITHOUT THE EXPRESS PERMISSION OF BUILDING MANAGEMENT.
- 22. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO PROPERTY (OR ADJACENT PROPERTY) CAUSED BY HIM DURING CONSTRUCTION AND FOR THE REPLACEMENT/REPAIR THEREOF.
- 23. CONTRACTOR SHALL HONOR ALL GUARANTEE COMMITMENTS FOR THE DESIGNATED TIME FRAME. REPLACE/REPAIR ANY FAILING EQUIPMENT/SYSTEMS AS DIRECTED BY BUILDING MANAGEMENT DURING THIS TIME FRAME.
- 24. ALL NEW EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE AND INSTALL ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
- 25. ALL WORK SHALL FULLY COMPLY WITH ALL APPLICABLE CODES. CONTACT AOS AND/OR LOCAL CODE OFFICIALS TO RESOLVE ANY QUESTIONS REGARDING CODE ISSUES PRIOR TO PERFORMING WORK. SHOULD CONTRACTOR PROCEED WITH WORK IN QUESTION WITHOUT COORDINATING WITH CODE OFFICIALS, CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RE-WORK DUE TO CODE VIOLATIONS.
- 26. PRIOR TO SUBMITTING BID, CONTRACTOR TO VISIT SITE TO FAMILIARIZE HIM/HER SELF WITH ALL EXISTING FIELD CONDITIONS. NOTIFY ARCHITECT/AOS OF ANY ITEMS DISCOVERED THAT ARE NOT COVERED ON PLANS THAT WILL AFFECT PRICING.
- 27. REFERENCE PLANS FOR ALL NEW EQUIPMENT LOCATIONS. MANUFACTURER OF ALL NEW DISTRIBUTION EQUIPMENT SHALL MATCH BUILDING STANDARD. VERIFY MANUFACTURER DURING SITE VISIT. ALL NEW PANELBOARDS TO HAVE COPPER BUS.
- 28. FINISHED WORK TO FULLY COMPLY WITH ALL BASE BUILDING STANDARDS. OBTAIN MANUAL OF BUILDING STANDARDS FROM BUILDING MANAGEMENT PRIOR TO SUBMITTING BID AND BEGINNING WORK.
- 29. ALL SURFACE MOUNTED RACEWAY SHALL BE ALUMINUM WITH DIVIDER. RACEWAYS SHALL BE SIZED PER NEC FOR WIRE QUANTITY THROUGH RACEWAY. FINISH OF RACEWAY TO BE SELECTED BY ARCHITECT.
- 30. UPDATE ALL AFFECTED PANEL SCHEDULES UPON COMPLETION OF WORK. UPDATED SCHEDULES MUST BE TYPED.
- 31. ALL ELECTRIC ROOM INSTALLATIONS SHALL BE DONE IN SUCH A WAY AS TO MAXIMIZE WALL/FLOOR SPACE FOR FUTURE EQUIPMENT.
- 32. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FIRE ALARM CONSTRUCTION DOCUMENTS TO LOCAL OFFICIALS FOR PERMIT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT QUANTITIES AND LOCATIONS OF ALL FIRE ALARM DEVICES TO MEET ALL APPLICABLE CODES AND FOR DETERMINING REQUIREMENTS FOR CONNECTIONS TO EXISTING BUILDING FIRE ALARM SYSTEM TO ENSURE A COMPLETE, WORKABLE SYSTEM. INSTALL NEW FIRE ALARM SYSTEM IN BUILDING WHERE DIRECTED BY LOCAL CODE OFFICIALS.
- 33. CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES AS REQUIRED PER ALL RELATED MANUFACTURER'S RECOMMENDATIONS TO PROVIDE A COMPLETE, WORKABLE ELECTRICAL SYSTEM PER THE INTENT OF THE CONTRACT DOCUMENTS, EVEN THOUGH ALL NECESSARY ITEMS AND ACCESSORIES ARE NOT SHOWN ON PLANS.
- 34. CONTRACTOR TO INSTALL A GROUNDING SYSTEM THAT FULLY COMPLIES WITH THE NEC AND ANY LOCAL CODES.
- 35. CONTRACTOR TO INSTALL CONDUIT WITH PULL STRING FROM BUILDING TELEPHONE CLOSET TO TENANT'S PHONE BOARD. COORDINATE EXACT CONDUIT SIZE AND CONDUIT ROUTING IN FIELD WITH TENANT AND BUILDING ENGINEER.
- 36. CONTRACTOR TO ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO TENANT TELEPHONE BOARD. IF TENANT HAS COPPER GROUND BAR IN SERVER/IT ROOM, CONTRACTOR MAY UTILIZE IT TO SERVE #6 GROUND WIRE TO PHONE BOARD. COORDINATE EXACT GROUNDING REQUIREMENTS IN FIELD WITH TELEPHONE SYSTEM INSTALLER PRIOR TO INSTALLING GROUND WIRE.
- 37. IN KITCHEN AREAS, ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50A OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100A OR LESS TO BE GFCI PROTECTED PER NEC 210.8.

#### **DEMOLITION NOTES:**

- 1. PROTECT THE EXISTING EQUIPMENT AND SYSTEMS TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
- 2. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ARRANGE THE SHUT OFF OF UTILITIES.
- 3. CONTRACTOR SHALL BOX AND/OR PALLETIZE ALL DEMOLISHED EQUIPMENT AND PROTECT IT ON SITE. REMOVE THESE ITEMS FROM THE SITE AT THE DIRECTION OF THE OWNER.
- 4. CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL—INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA TO FULFILL THE INTENT OF THE COMPLETE DESIGN. REFER TO ARCHITECTURAL DOCUMENTS FOR DEFINITION OF SCOPE FOR DEMOLITION AREAS AND ADDITIONAL REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM THE EXTENT OF DEMOLITION AND RESOLVE ANY DISCREPANCIES WITH OWNER'S/LANDLORD'S CONSTRUCTION MANAGER.
- 5. FOR DEMOLITION AREAS, THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND FIRE SUPPRESSION DEMOLITION DRAWINGS AND REMOVE WIRING, RACEWAYS, AND ELECTRICAL EQUIPMENT ASSOCIATED WITH THE MECHANICAL, PLUMBING AND FIRE SUPPRESSION DEMOLITION.
- 6. ENSURE THAT ALL LIFE SAFETY SYSTEMS REMAIN OPERATIONAL AND MEET LIFE SAFETY CODE REQUIREMENTS FOR ALL OCCUPIED AREAS THAT REMAIN OPERATIONAL DURING/AFTER DEMOLITION. THIS INCLUDES, BUT IS NOT LIMITED TO, EGRESS PATHWAYS, FIRE ALARM SYSTEMS, EGRESS LIGHTING AND OTHER LIFE SAFETY SYSTEMS.
- 7. PROTECT EXISTING EQUIPMENT AND SYSTEMS INTENDED TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
- 8. RE-ROUTE AND RE-CONNECT ANY CIRCUIT(S) THAT ARE TO REMAIN IN USE BUT INTERFERES WITH THE NEW CONSTRUCTION.
- 9. WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER, WHICH WOULD ADVERSELY AFFECT THE NORMAL OPERATION OF THE OWNER/LANDLORD'S PROPERTY OR OTHER BUILDING TENANTS, SHALL BE DONE AT A TIME OTHER THAN NORMAL WORKING HOURS. SCHEDULE ALL OUTAGES WITH OWNER/LANDLORD PRIOR TO SHUTDOWN.
- 10. OWNER/LANDLORD RESERVES THE RIGHTS TO ALL DEMOLISHED MATERIALS. COORDINATE AND VERIFY EQUIPMENT INTENDED TO BE SALVAGED PRIOR TO DEMOLITION. MATERIALS THAT OWNER/LANDLORD REQUESTS TO BE RE—USED OR SALVAGED, THE MATERIALS SHALL BE REMOVED IN A NEAT WORKMAN LIKE METHOD TO ALLOW THEIR RE—USE. PROTECT THE SALVAGE MATERIALS FOR REUSE BY PROPERLY PACKAGING THE MATERIALS TO PROTECT SALVAGED MATERIALS FROM DAMAGE; SECURELY PACKAGE ALL SALVAGE MATERIAL'S INSTALLATION HARDWARE AND PARTS TO SALVAGED MATERIALS.
- 11. REMOVE UNUSED BRANCH CIRCUITS BACK TO BRANCH PANELBOARD OF ORIGIN, MARK BREAKER AS 'SPARE' AND MAKE ELECTRICALLY SAFE. REMOVE ALL ABANDONED CONDUITS ABOVE LAY—IN CEILING, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES, AND EQUIPMENT UNLESS NOTED OTHERWISE.

12. REMOVE DEMOLISHED MATERIAL FROM PROJECT SITE IN ACCORDANCE WITH

AND LOCAL REGULATIONS AND CODES FOR PROPER DISPOSAL.

ALL APPLICABLE CODES, STANDARDS AND REGULATIONS. FOLLOW ALL STATE

#### — Ш + Ш Z Z Z Ш >-



Spot Urgent Care

Se Vista Center

Vista Boulevard, Suite 102

Lee Vista Bouley
Orlando Florida

2 12/12/18 City Comment - Revision
No. Date City Comment - Revision
Item

REVISIONS

GREGORY C. SPEER, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 63689.

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY GREGORY C. SPEER, PE ON 01/24/19 USING A DIGITAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

COVER SHEET NOTES

SIGNATURE.



5020 Tennyson Parkway - Plano, TX 75024 Dallas / Fort Worth 214.432.3030 Houston 832,532.2007 Project No. 1821

Date 2018-10-29

Last Revision 
MEP 002

NO. 63669
STATE OF

CONTRACTOR SHALL COORDINATE

MEP DRAWINGS WITH ALL OTHER

DISCIPLINES

 $\simeq$  -

enter

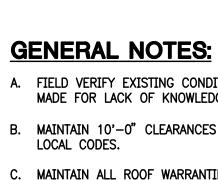
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY GREGORY C. SPEER, PE ON 12/12/18 USING A DIGITAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

> MECHANICAL FLOOR PLAN

Project No. <u>1821</u>

Date 2018-10-29

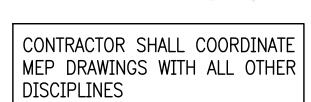


- A. FIELD VERIFY EXISTING CONDITIONS BEFORE BID AND CONSTRUCTION. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
- B. MAINTAIN 10'-0" CLEARANCES FROM ALL EXHAUST TO OUTSIDE AIR INTAKE OPENINGS PER
- C. MAINTAIN ALL ROOF WARRANTIES.
- D. ALL ROOFING WORK SHALL BE COMPLETED BY THE LANDLORD'S ROOFING CONTRACTOR. MAINTAIN ALL EXISTING ROOF WARRANTIES.
- E. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH LATEST EDITIONS OF ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES, AND INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS.

#### **KEY NOTES:**

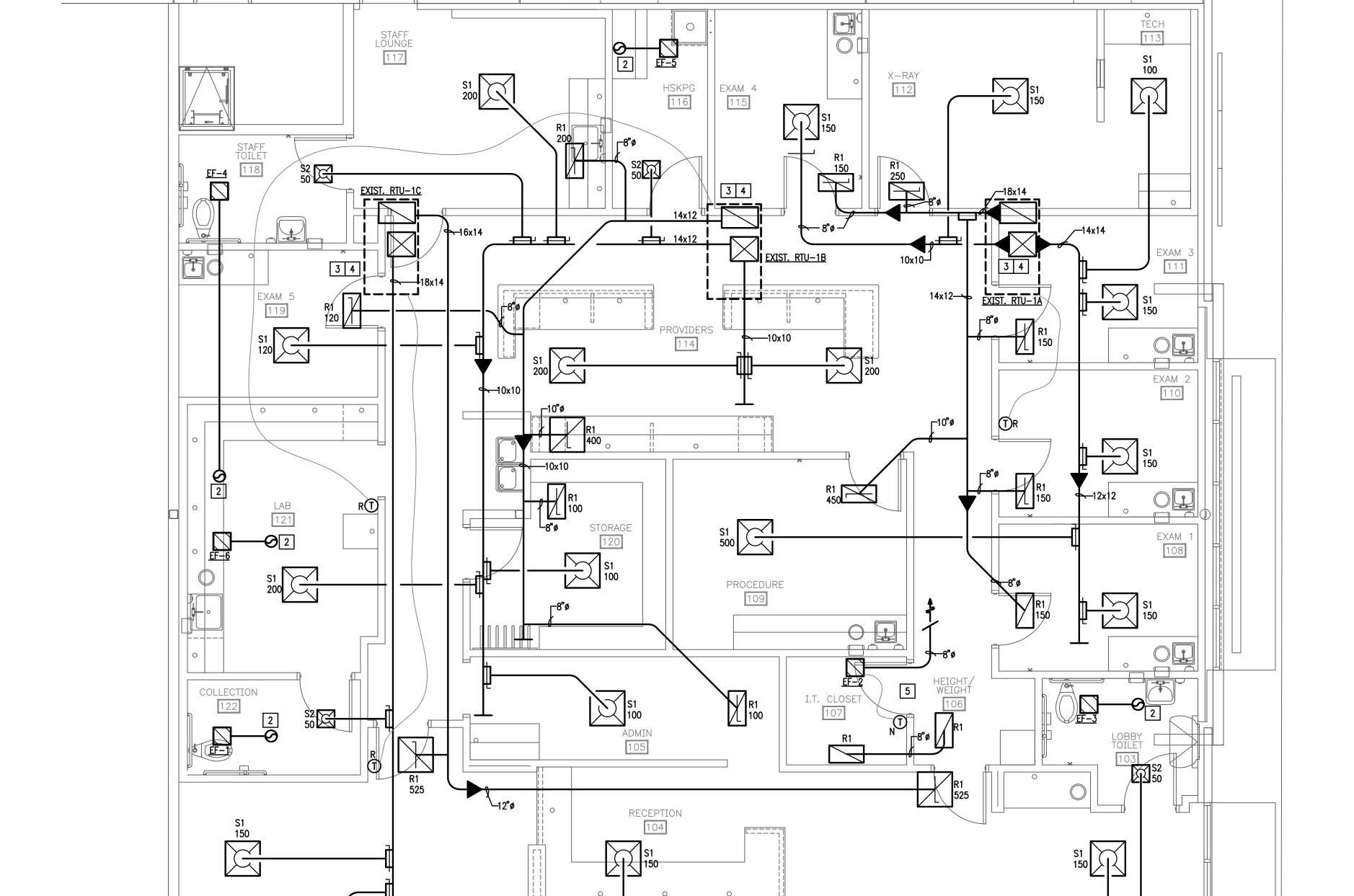
- 1 PROVIDE NEW MOTORIZED DAMPER. DAMPER TO BE FULLY CLOSED WHEN UNIT IS IN HEATING MODE.
- PROVIDE NEW 8"Ø EXHAUST DUCT UP THROUGH ROOF PENETRATION. SEAL WEATHER TIGHT WITH CAP, COLLAR, AND FLASH. MAINTAIN ALL ROOF WARRANTIES.
- 3 SUPPLY AND RETURN AIR DUCTWORK UP TO ROOF. TRANSITION AS REQUIRED FOR CONNECTION TO UNIT.
- 4 CONTRACTOR TO VERIFY THAT UNIT IS IN PROPER WORKING CONDITION. PROVIDE MAINTENANCE AND REPAIR AS NECESSARY.
- 5 UNDERCUT DOOR BY 1".







5020 Tennyson Parkway - Plano, TX 75024 Dallas / Fort Worth 214.432.3030 Houston 832.532.2007



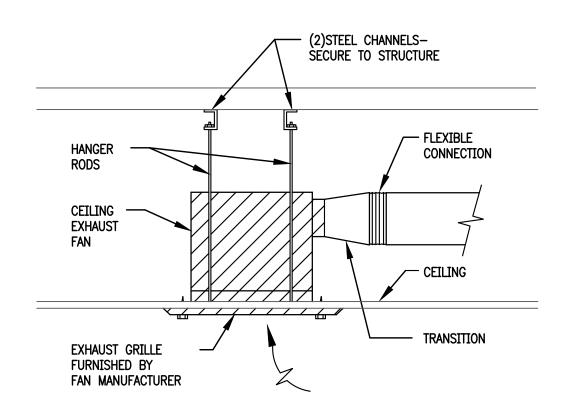
FLOOR PLAN - MECHANICAL

SCALE: 1/4" = 1-0"

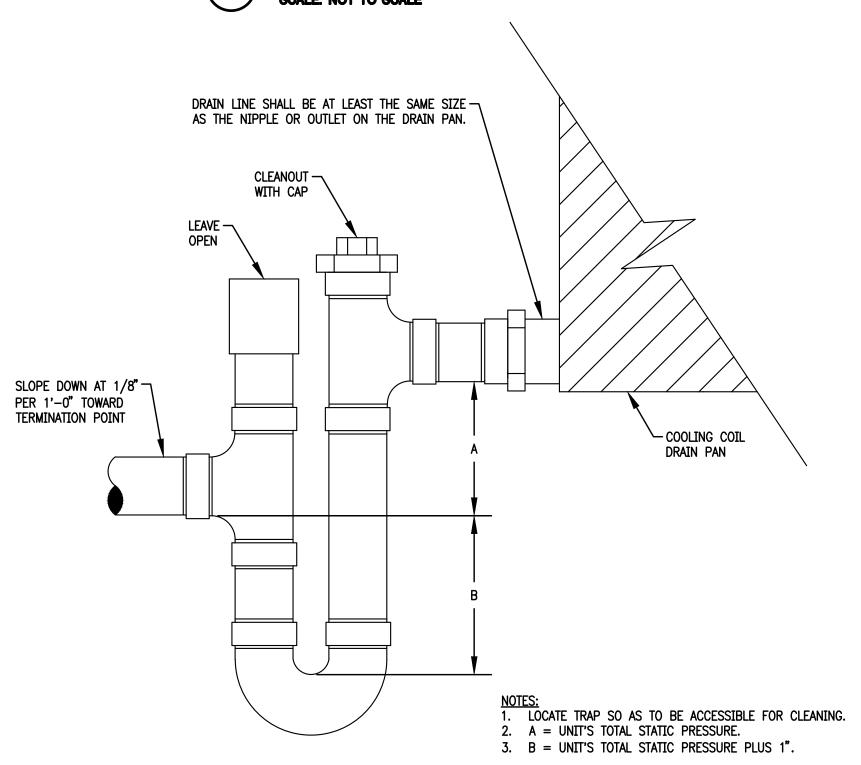
WAITING 101

NOTE: CONTRACTOR TO VERIFY EXISTING TAP SIZES AND NOTIFY LANDLORD IF REPLACEMENT IS REQUIRED. REFER TO SCHEDULE ABOVE. CAP ALL UNUSED TAPS FLUSH.

## **DIFFUSER CONNECTION**



# CABINET EXHAUST FAN DETAIL. SCALE: NOT TO SCALE



3 CONDENSATE P-TRAP DETAIL
SCALE NOT TO SCALE

#### EXISTING ELECTRIC PACKAGED ROOFTOP UNIT SCHEDULE

GENERAL							MECHANICAL												ELECTRICAL						
	MFR.	MODEL#	DIMENSIONS (LxWxH) (IN.)				FAN							COOLING	G					HEATING					
DESIG.				WEIGHT (LBS)		CF	CFM				TOTAL	SENSIBLE	TEMPERATURE (°F)						VOLT/PH	MCA	МОСР	REMARKS			
DESIG.					CAPACITY (NOM. TONS)	۸.	OA	ESP (IN. W.G.)	НР	RPM	CAPACITY	ITY CAPACITY	Е	AT		_AT	OAT EER		OUTPUT CAPACITY (MBH)	INPUT CAPACITY (KW)	STAGES	VOEINI	I WICA	WOOF	
						(11011111111111111111111111111111111111	- JA					(MBH)	(MBH)	DB	WB	DB	WB	DB			()				
EXIST. RTU-1A	TRANE	TSC060		498	5.0	2000	400	0.80	1.0	-	60.0	49.0	80	67	55	54	-	12.0	61.0	18.0	2.0	208/3	39.9	40	1
EXIST. RTU-1B	TRANE	TSC048		452	4.0	1600	320	0.80	1.0	-	48.0	39.0	80	67	55	54	-	12.0	61.0	18.0	2.0	208/3	39.9	40	1
EXIST. RTU-1C	TRANE	TSC048		452	4.0	1600	320	0.80	1.0	-	48.0	39.0	80	67	55	54	_	12.0	61.0	18.0	2.0	208/3	39.9	40	1

LAB GREENHECK

A. EQUIPMENT TO BE CLEARLY LABELED.

B. ACCEPTABLE MANUFACTURERS: YORK/JCI, AAON, CARRIER, LENNOX, TRANE.

. COORDINATE EXACT LOCATION WITH LANDLORD AND STRUCTURAL ENGINEER.

D. INSTALL UNITS LEVEL FOR PROPER CONDENSATE DRAINAGE, SHIM CURBS AS REQUIRED.

E. IF LOCATION IS WITHIN 50 MILES OF SALT WATER COASTAL ENVIRONMENTS, ALL EQUIPMENT THAT COMES IN CONTACT WITH OUTSIDE AIR SHALL BE COATED FOR SALTWATER CORROSION RESISTANCE.

F. LEAVING AIR TEMP. DOWNSTREAM OF FAN SHALL BE 55°F (ADJ).

1. REFER TO SHELL DRAWINGS FOR DETAILS ON EXISTING ROOFTOP UNITS.

EXHAUST FAN SCHEDULE														
				GENERAL		FAN								
	DESIG.	LOCATION	SERVES	MFR.	MODEL#	TYPE	WEIGHT (LBS)	CFM	ESP (IN W.G.)	RPM	DRIVE	VOLTS/PH	HP	REMARKS
	EF-1	CEILING	R.R	GREENHECK	SP-B90	CEILING	10	75	0.25	700	DIRECT	115/1	21W	1-4
	EF-2	CEILING	I.T	GREENHECK	SP-B200	CEILING	12	150	0.25	1150	DIRECT	115/1	128W	1, 2, 3, 5
	EF-3	CEILING	R.R	GREENHECK	SP-B90	CEILING	10	75	0.25	700	DIRECT	115/1	21W	1-4
	EF-4	CEILING	R.R	GREENHECK	SP-B90	CEILING	10	75	0.25	700	DIRECT	115/1	21W	1-4
	EF-5	CEILING	R.R	GREENHECK	SP-B90	CEILING	10	75	0.25	700	DIRECT	115/1	21W	1-4

CEILING

A. EQUIPMENT TO BE CLEARLY LABELED.

B. ACCEPTABLE MANUFACTURERS ARE: ACME, TWIN CITY FANS, COOK, GREENHECK

CEILING

C. COORDINATE EXACT LOCATION WITH LANDLORD AND STRUCTURAL ENGINEER. D. IF LOCATION IS WITHIN 50 MILES OF SALT WATER COASTAL ENVIRONMENTS, ALL EQUIPMENT

THAT COME IN CONTACT WITH OUTSIDE AIR SHALL BE COATED FOR SALTWATER CORROSION

RESISTANCE.

1. PRE-WIRED DISCONNECT SWITCH

2. PRE-WIRED SPEED CONTROLLER

3. SPRING ISOLATION HANGERS 4. CONTROL WITH LIGHT SWITCH.

5. CONTROL WITH THERMOSTAT AT A SETPOINT OF 75 DEGREES(ADJ).

6. INTERLOCK EXHASUT FAN WITH EXIST, RTU-1B TO RUN WHILE UNIT IS OPERATING.

24 225 0.25 1050 DIRECT 115/1 81W 1, 2, 3, 6

ROOM	QUANTITY OF PEOPLE (P <sub>Z</sub> )	CFM/PERSON (R <sub>P</sub> )	AREA (SF) (A <sub>Z</sub> )	CFM/SF (R <sub>A</sub> )	MINIMUM OA (CFM)	AIR DISTRIBUTION EFFECTIVENESS (E <sub>Z</sub> )	CORRECTED MINIMUM OA (CFM)	SERVED BY
101, 102, 104 WAITING	20	5	844	0.06	151	0.8	188	EXIST. RTU-1C
103 TLT	0	0	58	0.12	7	0.8	9	EXIST. RTU-1C
105 ADMIN	1	5	106	0.06	11	0.8	14	EXIST. RTU-1B
106 HEIGHT/WEIGHT	0	0	135	0.12	16	0.8	20	EXIST. RTU-1A
118 TLT	0	0	54	0.12	6	0.8	8	EXIST. RTU-1B
107 <b>I</b> T	0	0	40	0.12	5	0.8	6	EXIST. RTU-1C
108 EXAM	2	10	98	0.06	26	0.8	32	EXIST. RTU-1A
110 EXAM	2	10	98	0.06	26	0.8	32	EXIST. RTU-1A
114 PROVIDERS	2	5	500	0.06	40	0.8	50	EXIST. RTU-1B
112 & 113 XRAY	2	10	225	0.06	34	0.8	42	EXIST. RTU-1A
111 EXAM	2	10	98	0.06	26	0.8	32	EXIST. RTU-1A
119 EXAM	2	10	98	0.06	26	0.8	32	EXIST. RTU-1B
117 LOUNGE	4	5	188	0.06	31	0.8	39	EXIST. RTU-1B
120 STO	0	0	100	0.12	12	0.8	15	EXIST. RTU-1B
115 EXAM	2	10	100	0.06	26	0.8	33	EXIST. RTU-1A
109 PROCEDURE	3	10	180	0.06	41	0.8	51	EXIST. RTU-1A
116 HSKPG	0	0	50	0.12	6	0.8	8	EXIST. RTU-1B
121 LAB	2	10	165	0.06	30	0.8	37	EXIST. RTU-1B
122 COLLECTION	0	0	50	0.12	6	0.8	8	EXIST. RTU-1C

AIR DE\	AIR DEVICE SCHEDULE														
DESIG.	MFR.	MODEL#	ТҮРЕ	FACE TYPE/SIZE (IN.)	MATERIAL	FINISH	REMARKS								
S1	PRICE	SCD	CEILING	24"x24"	STEEL	PER ARCHITECT	-								
S2	PRICE	SCD	CEILING	12"x12"	STEEL	PER ARCHITECT	-								
R1	PRICE	80	CEILING	24"x24"	STEEL	PER ARCHITECT	-								
R2	PRICE	80	CEILING	24"x12"	STEEL	PER ARCHITECT	-								

A. MAX NC LEVEL OF DIFFUSERS TO BE 30. B. ACCEPTABLE MANUFACTURERS ARE: PRICE, TITUS,

NAILOR, METALAIRE

C. FRAME AND BORDER TYPES TO MATCH CEILING AND/OR WALL. ). REFERENCE ARCHITECTURAL REFLECTIVE CEILING PLAN.



CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



5020 Tennyson Parkway - Plano, TX 75024 Dallas / Fort Worth 214.432.3030 Houston 832.532.2007



MECHANICAL SCHEDULES

Project No. <u>1821</u>

Date 2018-10-29

ш +

шΖ

ш >-

8132

12/12/18 City Comment - Revision

REVISIONS

/1 11/28/18 City Comment - Revision

GREGORY C. SPEER, STATE OF FLORIDA, PROFESSIONAL

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY GREGORY C. SPEER, PE ON 12/12/18 USING A DIGITAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. Date

ENGINEER, LICENSE NO. 63689.