GENERAL NOTES

GENERAL CONDITIONS

- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE ARCHITECT.
- 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 THE 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.
- 2. 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 CONTRACTOR.
- 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 WELDING/CUTTING.
- 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.

FIREBLOCKING AND DRAFTSTOPPING 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 OF THE WALL.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL 2.b. SPACES SUCH AS THOSE THAT OCCUR AT SOFFITS, DROP CEILINGS AND COVE CELLINGS.
- IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE 2.c. 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 2.d. OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

TENANT IMPROVEMENTS CARESPOT URGENT CARE

8132 LEE VISTA BLVD. #102, ORLANDO, FLORIDA 32801 CODE SUMMARY GRAPHIC LEGEND

BUILDING CODES: FLORIDA BUILDING CODE 6T FLORIDA BUILDING CODE 6T FLORIDA BUILDING CODE A0 NATIONAL ELECTRICAL COD MECHANICAL CODE (2017) FUEL GAS CODE (2017) FLORIDA ENERGY CODE (20 PLUMBING CODE (2017) FLORIDA FIRE PREVENTION C NFPA 101 LIFE SAFETY CODE NEPA 1 UNIFORM FIRE CODE	 H EDITION (2017) CCESSIBILITY 6TH EDITION (2017) DE (2014) 17) CODE 6TH EDITION (2017) (2015) w/ FLORIDA AMENDMENTS E (2015) w/ FLORIDA AMENIDMENTS 	1 / A3 ELEVATIO	DN BUILDING SECTION	WA	ALL SECTION	SY ZY	<u>N</u>	1 / A6 ENLARGED DETAIL	TRUE PLAN	
FLORIDA STATUTES FLORIDA ADMINISTRATIVE CO ORLANDO CITY CODE	ODE	NAME	€ 21'-0" A.F.F. T.O. CMU WALL		W01			A	XX1	×
PROJECT SCOPE: INTERIOR FINISH OUT OF A NI A BUSINESS OCCUPANCY W PROPERTY.	EW ONE STORY SHELL BUILDING. THE PROPOSED USE IS THICH IS CONSISTENT WITH THE ZONING OF THE	ROOM NA	ME ELEVATION REFERENCE	<u>11W</u>	NDOW TYPE	DOOR NUMBE	<u>R</u>	PARTITION TYPE	KEYED NOTE	INTERIOR ELEV
PARCEL ID:	302325900200020				ABBR	EVIA		D N S		
PROPERTY DESCRIPTION:	VISTA PALMS COMMERCIAL 69/37 LOT 2					/				
OCCUPANCY:	BUSINESS GROUP B	@ ¢	AT CENTERLINE	E. EA.	EAST EACH		I.D. IE.	INSIDE DIAMETER INVERT ELEVATION	R. RA.	RADIUS RETURN AIR
CONSTRUCTION:	TYPE IIB - SPRINKLED	ф &	DIAMETER OR ROUND AND	E.B.	EXPANSION BOLT		I.G. IN.	ISOLATED GROUND INCH	RD. REINF.	ROUND, ROOF DRAI REINFORCEMENT
TENANT AREA:	3,574 GSF	A AMP	AMPERE	E.I.F.S.	EXTERIOR INSULATION F	FINISH	INSUL.	INSULATION	REQ'D. R F M	REQUIRED RECESSED FLOOR M
OCCUPANCY LOAD (PER FB	SC TABLE 1004.1.2): 36	A.B.		E.J.			INT.	INTERIOR AND INTERCOM	RM.	
	ER ERC SECTION 1005)	ADV. A/C	ABOVE	EL. ELEC.	ELECTRIC				к.О.	ROUGH OPENING
REQUIRED EGRESS WID	$DTH = 36 \times 0.2" = 7.2"$	ACI ADA	ACOUSTICAL TILE AMERICANS W/ DISABILITIES ACT	E.P. EST.	ELECTRICAL PANELBOA ESTIMATE	ARD	JAN. JT.	JANIIOR JOINT AND JOINT TRENCH	S. S.A.	South and slope Supply air
PROVIDED EGRESS WII	DIH = 68.0	A.F.F. A.H.J.	AUTHORITY HAVING JURISDICTION AREA LIGHTING	EQ. EQP.	EQUAL EQUIPMENT		KIT.	KITCHEN	S.B. S.C.	SPLASH BLOCK SOLID CORE
$\frac{\text{MINIMUM EXITS REQUIRED (P}}{\text{REQUIRED}} = 1$	PER FBC SECTION 1006)	AL. ALUM.	AREA LIGHTING ALUMINUM	E.T.S. F.W.	EXPOSED TO STRUCTUR	RE	К.О.	KNOCKOUT	SCHED. S.D.	SCHEDULE SMOKE DETECTOR
PROVIDED = 2		ALT.	ALTERNATIVE	E.W.C.	ELECTRIC WATER COOL	DLER	LAM.		SEAL.	SEALANT
	E (PER FBC TABLE 1017.2)	APPROX. ARCH.	ARCHITECT, ARCHITECTURAL	EXP.	EXPANSION		LAV. LBS.	POUNDS	S.F.	SQUARE FOOT/FEET
EXILACCESS TRAVEL L	DISTANCE SHALL NOT EXCEED 250	AUIO. AW.	automatic Acoustical Wall	EXI.	EXTERIOR		L.F. L.P.	LINEAR FEET LOW POINT	sht. Shtg.	Sheeting
FIRE ALARM:	NOT REQUIRED	BRD.	BOARD	F.A. F.C.	FIRE ALARM FURRING CHANNEL		LS	LANDSCAPING	SIM. S.J.	SIMILAR SAW CUT JOINT
SPRINKLER:	YES	BLDG. BLK	BUILDING BLOCK	F.D. FDN.	FLOOR DRAIN FOUNDATION		MAS'Y		S.O.	SLAB OPENING
FIRE SPRINKLER PERMITTING		BM.	BEAM	F.E. F.E.C.	FIRE EXTINGUISHER FIRE EXTINGUISHER & C.	CABINET	MDF	MEDIUM DENSITY FIBERBOARD) SQ.	SQUARE
PERMIT PRIOR TO INSTALLATI	ON OR MODIFICATION OF THE SYSTEM.	B.O.F.	BOTTOM OF FRAMING	F.F.E.		NC	MECH. MTL.	MECHANICAL METAL	s.s. SS.	SANITARY SEWER
WALL, FLOOR AND CEILING	FINISHES SHALL COMPLY WITH NFPA 101 SECTION 10.2	B.O.C. BOT.	BASE OF CURB BOTTOM	F.H.C.	FIRE HOSE CABINET		MFR. M.H.	MANUFACTURER MANHOLE	STD. STL.	STANDARD STEEL
ARCHITECT'S STATEMENT OF	FACT	BRG. BSMT.	BEARING BASEMENT	FIN. FLG.	FINISH (ED) FLASHING		MIN. MIR		STRUC. SUSP.	STRUCTURAL SUSPENDED
BY SIGNING AND SEALING THE	HIS DRAWING, THE ARCHITECT ACKNOWLEDGES THAT	BTWN.	BETWEEN	FLR. F O	FLOOR (ING) FACE OF		MISC.	MISCELLANEOUS	т	
WORK COMPLY WITH THE MI	INIMUM APPLICABLE BUILDING CODES AND FIRE	B.U.R.	BUILT-UP ROOF	F.O.C.		RETE	M.O. MTD.	MASONRY OPENING	T&B	TOP & BOTTOM
SAFETY REGULATIONS AS DE JURISDICTION.	TERMINED BY THE LOCAL AUTHORITY HAVING	C.	Conduit or celcius	f.O.f. F.O.M.	FACE OF FINISH FACE OF MASONRY		MATL. MWK.	MATERIAL (S) MILLWORK	T&G TBL.	TONGUE & GROOVE
		CAB. C.B.	CABINET CATCH BASIN	F.O.S. FRP.	FACE OF STUDS FIBER REINFORCED PAN	NEL	N	NORTH	TELE. T.F.C.I.	TELEPHONE TENANT FURNISHED 2
		C.C.	CENTER TO CENTER	FT. FTG	FOOT OR FEET		N.I.C.		тсті	
		CEM. CFM.	CUBIC FEET PER MINUTE	FURR.	FURRING		NO. OR # NOM.	NOMINAL	1.Γ.1.1.	INSTALLED
		CFL. C.G.	COUNTER FLASHING CORNER GUARD	G.	GROUND AND NATURA	al gas	N.T.S.	NOT TO SCALE	THK. THRES.	Thickness Threshold
P R O J E	CT LOCATION	CHT. C.I.P.	CEILING HEIGHT CAST IN PLACE	GA. GAL.	GAUGE GALLON		0.C.	ON CENTER (S) OUTSIDE DIAMETER	t.o. t.o.c.	TOP OF TOP OF CURB/CONG
		C.J.		galv. g.b.	GALVANIZED GRAB BAR		0.F.C.I.	OWNER FURNISHED &	T.O.P.	TOP OF PAVEMENT/
		CLG.	CEILING	G.C. G.F.I.	GENERAL CONTRACTO)r Jit	0.F.O.I.	OWNER FURNISHED &	TYP.	TYPICAL
		CLR. C.M.	CLEAR CONSTRUCTION MANAGER	GL		EEL)	O/H	OWNER INSTALLED OVERHEAD	U.D.L.	UNIFORM DISTRIBUTE
		CMU. C.O.	CONCRETE MASONRY UNIT CLEAN-OUT	G.L.B.	GLUE-LAM BEAM		opg O.p.h.	OPENING OPPOSITE HAND	U.N.O. U.O.N.	UNLESS NOTED OTHE UNLESS OTHERWISE N
Walmart Supercenter	VISTA EAST	COL.	COLUMN CONCRETE	GND. G.S.F.	GROUND GROSS SQUARE FOOTA	AGE	OPP.	OPPOSITE Outside Air	V.	VOLTS AND VENT
		CONT.	CONTINUOUS	GYP. BRD.	GYPSUM BOARD		O.S.B.	ORIENTED STRAND BOARD	VENT.	VENTILATION
		CONTR.	CONSTRUCTION	Н.В. Н.С.	hose bibb handicapped		P/L.	PROPERTY LINE	VERT.	VESTIBULE
nade O Lee Vinto Bird	Biguewald SITE	COOR. CORR.	COORDINATE	H.D.	HIGH DENSITY		PEMB PER.	PRE-ENGINEERED METAL BUILD PERIMETER	NG V.I.F. V.C.T.	VERIFY IN FIELD VINYL COMPOSITION
		C.T.	CERAMIC TILE	HORIZ.	HORIZONTAL		PL. P.LAM.	PLATE PLASTIC LAMINATE	VTR. V.W.C.	VENT THRU ROOF VINYL WALL COVERI
NA AT		DBL.	DOUBLE DEDICATED	п.r. HR.	HOUR	SC-LOANEK	PLUMB. PLYWD	PLUMBING PLYWOOD	W.	West, watts and w
		DET.		HT. HVAC	HEIGHT HEATING VENTILATING	AND AIR	PNL.	PANEL	W/	WITH
Martin Andersen B		D.F. DIA.			CONDITIONING		r k PREFIN.	PREFINISHED	WD.	WOOD
Par Carline Expy		DIM. DN.	DIMENSION DOWN				Р.S.F. P.S.I.	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	W.GL. W.H.	WIRE GLASS WATER HEATER
		D.S. DSB	DOWNSPOUT DOUBLE STRENGTH				PVC. PVMT	POLYVINYL CHLORIDE PAVEMFNT	WP. W.P.	WATERPROOF WORK POINT
NOKIH	Google BRUNETTI SOUTH	DWG.	DRAWING						W.W.F.	WELDED WIRE FABRI

ONSTRUCTION:	יד
NANT AREA:	3









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1821 - A 001 TITLE SHEET.DWG



TITLE SHEET



		MECF
	EQUIPMENT DESIGNATIONS	PING DESIGNATIONS
0	AC AIR COMPRESSOR	CHILLED WATER SUPPLY
ə	AF AIR FILTER	CHILLED WATER RETURN
	AH/AHU AIR HANDLING UNIT	CONDENSER WATER SUPPLY
—— ; ——	AS AIR SEPARATOR	CONDENSER WATER RETURN
- O	BF BOOSTER FAN	HEATING WATER SUPPLY
·	CP CIRCULATING PUMP	HEATING WATER RETURN
	CRAC COMPUTER ROOM AIR CONDITIONER	HEAT PUMP WATER SUPPLY
	CT COOLING TOWER	HEAT PUMP WATER RETURN
<u> </u>	CU CONDENSING UNIT, AIR COOLED	EXPANSION LINE
→	CVT CONSTANT VOLUME FAN TERMINAL COOL/HEAT	CONDENSATE DRAIN
F	EDH ELECTRIC DUCT HEATER	
6	EF EXHAUST FAN	
}	EUH ELECTRIC UNIT HEATER	
<u>₹</u>	FCU FAN COIL UNIT	HANICAL SYMBOLS
▼	FD FIRE DAMPER	
¥	FPB FAN POWERED BOX	NEW FAN POWERED BOX
<u>₹</u> \ ₽	FSD FIRE/SMOKE COMBINATION DAMPER	EXISTING FAN POWERFD BOX
	GRV GRAVITY ROOF VENTILATOR	
	GUH GAS-FIRED UNIT HEATER	DEMOLISHED FAN POWERED BOX
——译—— 斥	HC HEATING COIL	
	HP HEAT PUMP, AIR SOURCE	RELOCATED FAN POWERED BOX
P	HUM HUMIDIFIER	NEW VAV
 	HX HEAT EXCHANGER	EXISTING VAV
	IRH INFRARED HEATER	
	KEF KITCHEN EXHAUST FAN	
	KSF KITCHEN SUPPLY FAN	
	MAU MAKE-UP AIR UNIT	
	MD MOTORIZED DAMPER	- EXISTING DUCTWORK
		- DEMOLISHED DUCTWORK
	SA SUUND ALIENUALUK	SUPPLY OR OUTSIDE AIR DUCT
	SD SMURE DAMPER	RETURN OR EXHAUST AIR DUCT
	VAV VARTABLE VOLUME TERMINAL - COOL ONLY	DUCT TURNING UP
	VFD VARIABLE FREQUENCY DRIVE	DUCT TURNING DOWN
	VRF VARIABLE REFRIGERANT FLOW	CLEAR INSIDE DUCT DIMENSION,
-*222	VSD VARIABLE SPEED DRIVE	FIRST VALUE IS DUCT WIDTH
•	VVT VARIABLE VOLUME & TEMPERATURE	DUCT TRANSITION
•	WH WALL HEATER	DUCT TAP WITH MANUAL VOLUME DAMPER
	WSHP HEAT PUMP, WATER SOURCE	NEW SUPPLY AIR GRILLE
		NEW RETURN AIR GRILLE
		NEW EXHAUST AIR GRILLE
FIRE PRO		EXISTING SUPPLY AIR GRILLE
		EXISTING RETURN ATR GRILLE
	MECHANICAL SYMBOLS	FYISTING FYHALIST ATD ODTILE
FS C FS		
\wedge		UEMULISHED SUPPLY AIR GRILLE
\wedge	MANUAL VOLUME DAMPER (VD)	DEMOLISHED RETURN AIR GRILLE
\sim	FIRE DAMPER (FD)	DEMOLISHED EXHAUST AIR GRILLE
.>	SD SMOKE DAMPER (SD)	SIDEWALL OUTLET
-K,		SIDEWALL INLET
	FIRE/SMOKE COMBINATION DAMPER (FSD)	THERMOSTAT/SENSOR
\bigcap_{-}	AUTOMATIC DAMPER, OPPOSED BLADE	HUMIDISTAT
—Å—	AUTOMATIC DAMPER, PARALLEL BLADE	
Г	BDD BACK DRAFT DAMPER	DUCT SMOKE DETECTOR
L BING ABBF	MECHANCIAL/PLUME	
	CLG CEILING	ABOVE FINISH FLOOR
GW		
GW HW	CO CLEANOUT	ABOVE FINISHED GRADE
GW HW HWR	CO CLEANOUT DCO DOUBLE CLEANOUT	ABOVE FINISHED GRADE
GW HW HWR MTD	CO CLEANOUT DCO DOUBLE CLEANOUT DS DOWNSPOUT	ABOVE FINISHED GRADE ABOVE CEILING BUILDING AUTOMATION SYSTEM - SEE EMOS
GW HW HWR MTD OD	CO CLEANOUT DCO DOUBLE CLEANOUT DS DOWNSPOUT EMCS ENERGY MANAGEMENT & CONTROL SYSTEM	ABOVE FINISHED GRADE ABOVE CEILING BUILDING AUTOMATION SYSTEM - SEE EMCS BELOW ELCOR
GW HW HWR MTD OD ODN	COCLEANOUTDCODOUBLE CLEANOUTDSDOWNSPOUTEMCSENERGY MANAGEMENT & CONTROL SYSTEMFCOFLOOR CLEANOUT	ABOVE FINISHED GRADE ABOVE CEILING BUILDING AUTOMATION SYSTEM - SEE EMCS BELOW FLOOR
GW HW HWR MTD OD ODN PRV	COCLEANOUTDCODOUBLE CLEANOUTDSDOWNSPOUTEMCSENERGY MANAGEMENT & CONTROL SYSTEMFCOFLOOR CLEANOUTFLRFLOOR	ABOVE FINISHED GRADE ABOVE CEILING BUILDING AUTOMATION SYSTEM – SEE EMCS BELOW FLOOR BELOW FINISHED FLOOR
GW HW HWR MTD OD ODN PRV RD	COCLEANOUTDCODOUBLE CLEANOUTDSDOWNSPOUTEMCSENERGY MANAGEMENT & CONTROL SYSTEMFCOFLOOR CLEANOUTFLRFLOORGCOGRADE CLEANOUT	ABOVE FINISHED GRADE ABOVE CEILING BUILDING AUTOMATION SYSTEM – SEE EMCS BELOW FLOOR BELOW FINISHED FLOOR BELOW GRADE

ABBREVIATIONS AND SYMBOLS ELECTRICAL PLUMBING PIPING SYMBOLS **PIPING DESIGNATIONS** POWER SYMBOLS PIPING UP GENERAL PURPOSE RECEPTACLE EXISTING TO REMAIN XX=HEIGHT ABOVE FINISHED FLOOR PIPING DOWN EXISTING TO BE REMOVED/DEMOLISHED ίΩDi FLOOR GENERAL PURPOSE RECEPTACLE CAPPED PIPE TERMINATION AFF ----- DOMESTIC COLD WATER CEILING GENERAL PURPOSE RECEPTACLE ATS CONNECTION BOTTOM OF MAIN - - - DOMESTIC HOT WATER GFI RECEPTACLE CONNECTION TOP OF MAIN С DOMESTIC HOT WATER RETURN ____ · · · ____ DIRECTION OF FLOW CCTV 1/2 SWITCHED RECEPTACLE ----- F ----- FIRE PROTECTION SLOPE DOWN IN DIRECTION SHOWN CLG ----- G ----- NATURAL GAS QUADRAPLEX RECEPTACLE CONCENTRIC REDUCER DF ----- W ----- WATER SERVICE FLOOR QUADRAPLEX RECEPTACLE ECCENTRIC REDUCER EG — A — COMPRESSED AIR CEILING QUADRAPLEX RECEPTACLE ELEC GATE VALVE — V — VACUUM USB/DUPLEX RECEPTACLE EMERG BALL VALVE INDIRECT WASTE \odot SPECIAL RECEPTACLE BUTTERFLY VALVE FA SANITARY SEWER ΗTV TELEVISION OUTLET FAAP GLOBE VALVE SANITARY VENT _ _ _ TEMPERATURE & PRESSURE RELIEF VALVE TELEPHONE OUTLET FACP PRIMARY ROOF DRAIN V —— RD —— FLR GAS COCK OVERFLOW ROOF DRAIN FLOOR TELEPHONE OUTLET — OD i 🗙 i PRESSURE REGULATING VALVE G,GRD — SD — STORM DRAIN CEILING TELEPHONE OUTLET GEN CHECK VALVE -----SSD -----BELOW GRADE SUB-SOIL DRAIN ∇ DATA OUTLET HYDRAULIC SHOCK ARRESTOR GFI ------ AW ------ ACID WASTE $\overline{\mathbf{\nabla}}$ FLOOR DATA OUTLET SOLENOID VALVE - AV - ACID VENT CEILING DATA OUTLET ANGLE VALVE TELE/DATA OUTLET V GAUGE COCK FLOOR TELE/DATA OUTLET AIR VENT **X** PRESSURE GAUGE LTS CEILING TELE/DATA OUTLET LTG STRAINER JUNCTION BOX - SIZE IN ACCORDANCE O EQUIPMENT DESIGNATIONS THERMOMETER WELL WITH NEC FOR SPECIFIC APPLICATION LV EXPANSION JOINT MCB Q FLOOR JUNCTION BOX MDP UNION AIR COMPRESSOR AC CEILING JUNCTION BOX HOSE BIBB OR HYDRANT MLO CIRCULATION PUMP CP **⊠**⊢ COMBINATION MOTOR STARTER & FUSED DISCONNECT MTD THERMOMETER ET EXPANSION TANK NON-FUSED DISCONNECT SWITCH P-TRAP HTG HT ELECTRIC WATER COOLER EWC 'WP' INDICATES WEATHER PROOF, MOTOR RATED FLOOR DRAIN/FLOOR SINK WITH P-TRAP FLOOR DRAIN FD FUSED DISCONNECT SWITCH PH HUB DRAIN WITH P-TRAP (EX. 30/15/3 = 30A RATED DISC., 15A FUSES,FIRE PUMP FP (EY. 3 PHASE) FLOOR CLEANOUT OR GRADE CLEANOUT FLOOR SINK FS 'WP' INDICATES WEATHER PROOF, MOTOR RATED PNL CLEANOUT OR WALL CLEANOUT HB HOSE BIBB CIRCUIT BREAKER IN NEMA ENCLOSURE REC,RECE DOUBLE CHECK BACKFLOW PREVENTER HUB DRAIN MOTOR SS REDUCED PRESSURE PRINCIPLE BACKFLOW JOCKEY PUMP JP PREVENTER ----- CIRCUIT HOME RUN TEL LAVATORY CONNECT TO EXISTING τv MOP SINK MS (NEUTRAL, HOT, COMMON GROUND, ISOLATED GROUND) UNO NON FREEZE WALL HYDRANT NFWH PANELBOARD (240 VOLT AND BELOW) PRESSURE REDUCING VALVE PRV PANELBOARD (480 VOLT) RPBF REDUCED PRESSURE BACKFLOW PREVENTER OTECTION SYMBOLS RELIEF VALVE RV \mathbb{Z} TRANSFORMER XFMR SINK EMERGENCY POWER OFF (EPO) BUTTON • SHOCK ARRESTOR SA FIRE DEPARTMENT VALVE WITH CABINET $\top \top$ COPPER GROUND BAR ASSEMBLY SEWAGE EJECTOR SE Μ FLOW SWITCH KWH METER SHOWER SH ALARM VALVE SUMP PUMP SP DRY PIPE VALVE TRENCH DRAIN TD LIFE LIGHT FIXTURE LABELING SIAMESE CONNECTION THERMOSTATIC MIXING VALVE TM TRAP PRIMER EXPOSED TYPE SIAMESE CONNECTION UPPERCASE LETTER - INDICATES FIXTURE TYPE, URINAL U INSPECTORS TEST CONNECTION REFER TO FIXTURE SCHEDULE WATER CLOSET WC MOTOR GONG LOWERCASE LETTER - INDICATED SWITCHING GROUP WASHER CONNECTION BOX WCB NUMBER INDICATES CIRCUIT 0.S.&Y. VALVE S WATER HEATER WH NL – INDICATES NIGHT LIGHT TAMPER SWITCH FLOOR CONTROL VALVE Εþ FIXTURE WITH BI-LEVEL SWITCHING. LOWER CASE FIRE HOSE VALVE LETERS INDICATE SWITCH LEGS F⊲ REVIATIONS LIGHT SWITCH SYMBOLS Ē◀ F GREASE WASTE RELIEF VALVE SINGLE POLE SWITCH RV HOT WATER STORM DRAIN SD THREE WAY SWITCH \$ HOT WATER RETURN SANITARY SEWER SS FOUR WAY SWITCH SANITARY VENT MOUNTED SV DIMMER SWITCH OVERFLOW DRAIN UNLESS NOTED OTHERWISE UNO WEATHERPROOF SWITCH \oplus OVERFLOW DOWNSPOUT NOZZLE VTR VENT THRU ROOF BACK UP COORDINATE FINISH WITH ARCHITECT MANUAL MOTOR CONTROLLER, MOTOR RATED PRESSURE REDUCING VALVE WCO WALL CLEANOUT HATCHED FIXTURE INDICATES UNSWITCHED FIXTURE OCCUPANCY SENSOR SWITCH ON EMERGENCY CIRCUIT OR BATTERY PACK ROOF DRAIN WALL MOUNTED OCCUPANCY SENSOR 저 SHALL BE RATED FOR 90 MINUTES CEILING MOUNTED OCCUPANCY SENSOR Ш

	ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.	
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	ABBREVIATIONS	
	ALTERNATING CURRENT	
	AMPS	
	ABOVE FINISHED FLOOR	
	AUTOMATIC TRANSFER SWITCH	
	CONDULI CLOSED CIRCUIT IV	
	CEILING	
	DISTRIBUTION PANEL	
	EQUIPMENT GROUND	
	ELECTRIC	
	EMERGENCY	
	FIRE ALARM ANUNCIATOR PANEL	
	FIRE ALARM CONTROL PANEL	
	FLOOR	
	GROUND	
	GENERATOR	
	HORSE POWER	
	HIGH VOLTAGE	
	ISOLATED GROUND	
	JUNCTION BOX	
	LOW VOLTAGE	
	MAIN CIRCUIT BREAKER	
	MAIN DISTRIBUTION PANEL	
	MAIN LUGS ONLY	
г	MOUNTED MOUNTING HETGHT	
•	POLE	
	PHASE	
	PULL BOX	
CEP	RECEPTACLE SAFETY SWITCH	
	TELEPHONE	
	TELEVISION	
	UNLESS NOTED OTHERWISE	
	VOLTAGE	
	WATER TIGHT	
	TRANSFORMER	
	PHASE	
F	SAFETY SYMBOLS	
<u> </u>		
UN: Bac	SWITCHED EMERGENCY FIXTURE WITH BATTERY	
EXI	t sign with battery backup	
FLU	ISH MOUNTED CEILING SPEAKER ASSEMBLY WITH	,
BAC (Wh	X BOX, TRANSFORMER, AND CEILING BAFFLE HITE)	BERNING BY C. C. S.
FIR	E ALARM STROBE – VISUAL ONLY ORDINATE FINISH WITH ARCHITECT	CENSE TO BE
FIR	E ALARM STROBE - COMBINATION	NO. 63689
AUI CO	DIO & VISUAL DRDINATE FINISH WITH ARCHITECT	STATE OF
FIR CO	E ALARM HORN — AUDIO ONLY DRDINATE FINISH WITH ARCHITECT	SIONAL ENGLAND
FIR CO	E ALARM MANUAL PULL STATION DRDINATE FINISH WITH ARCHITECT	10-29-18
FIR BAC X=	E ALARM SMOKE DETECTOR – 120V W/ BATTERY XK UP. COORDINATE FINISH WITH ARCHITECT DD (DUCT DETECTOR), X=SS (SINGLE STATION) ER (ELEVATOR RFCALL)	CONTRACTOR SHALL COORD MEP DRAWINGS WITH ALL (
FIR	E ALARM HEAT DETECTOR - 120V W/ BATTERY	



BATTERY PACKS SHALL BE SELF-TESTING TYPE AND

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No. Date	Item
	REVISIONS

COVER SHEET SYMBOLS



MECHANICAL NOTES:

- 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
- 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.
- 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.
- 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. FITTINGS SHALL BE PVC SCHEDULE 40 ASTM 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 OTHERS AND TO SEEK OTHER OPINIONS OR REQUIRED REPAIRS.
- 28. PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.
- 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.

GENERAL NOTES

ELECTRICAL NOTES:

- 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)
- 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, WORKABLI SYSTEM.
- 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 NO

- 1. PROTECT THE EXISTING EQUIPMENT IF DAMAGED OR DISTURBED IN THE IS THE CONTRACTOR'S RESPONSIBIL PRODUCT OF EQUAL CAPACITY, QUALI
- 2. CONTRACTOR SHALL COORDINATE WITH OFF OF UTILITIES.
- . CONTRACTOR SHALL BOX AND/OR PA AND PROTECT IT ON SITE. REMOVE DIRECTION OF THE OWNER.
- 4. CONTRACTOR SHALL NOT CONSIDER BE ALL-INCLUSIVE. IT IS THE CONT AND ASSESS EACH AREA TO FULFILI REFER TO ARCHITECTURAL DOCUMEN DEMOLITION AREAS AND ADDITIONAL CONTRACTOR'S RESPONSIBILITY TO OF DEMOLITION AND RESOLVE ANY OWNER'S/LANDLORD'S CONSTRUCTION
- 5. FOR DEMOLITION AREAS, THE CONTR ARCHITECTURAL, MECHANICAL, PLUME SUPPRESSION DEMOLITION DRAWINGS ELECTRICAL EQUIPMENT ASSOCIATED FIRE SUPPRESSION DEMOLITION.
- 6. ENSURE THAT ALL LIFE SAFETY SYST LIFE SAFETY CODE REQUIREMENTS F OPERATIONAL DURING/AFTER DEMOL LIMITED TO, EGRESS PATHWAYS, FIRE AND OTHER LIFE SAFETY SYSTEMS.
- PROTECT EXISTING EQUIPMENT AND OPERATIONAL. IF DAMAGED OR DISTU DEMOLITION WORK, IT IS THE CONTR REPLACE WITH NEW PRODUCT OF EC FUNCTIONALITY.
- 8. RE-ROUTE AND RE-CONNECT ANY C BUT INTERFERES WITH THE NEW CON
- 9. WORK REQUIRING INTERRUPTION OF ADVERSELY AFFECT THE NORMAL OPE PROPERTY OR OTHER BUILDING TENA THAN NORMAL WORKING HOURS. SCH OWNER/LANDLORD PRIOR TO SHUTDO
- 10. OWNER/LANDLORD RESERVES THE RI COORDINATE AND VERIFY EQUIPMENT DEMOLITION. MATERIALS THAT OWNER OR SALVAGED. THE MATERIALS SHAL LIKE METHOD TO ALLOW THEIR RE-FOR REUSE BY PROPERLY PACKAGING MATERIALS FROM DAMAGE; SECUREL INSTALLATION HARDWARE AND PARTS
- 11. REMOVE UNUSED BRANCH CIRCUITS ORIGIN, MARK BREAKER AS 'SPARE' ALL ABANDONED CONDUITS ABOVE L FLEXIBLE CONDUITS, SURFACE RACE OUTLET/JUNCTION BOXES, AND EQUI
- 12. REMOVE DEMOLISHED MATERIAL FRO ALL APPLICABLE CODES, STANDARDS AND LOCAL REGULATIONS AND CODES

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ALL NOTES MAY NOT APPLY.				- 75	.des
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AND SYSTEMS TO REMAIN OPERATIONAL. COURSE OF THE DEMOLITION WORK, IT ITY TO REPAIR OR REPLACE WITH NEW			ן ב 2	U - u	rn e @ g -
TH THE OWNER TO ARRANGE THE SHUT		ш Ш	+ - Z ()	0
ALLETIZE ALL DEMOLISHED EQUIPMENT E THESE ITEMS FROM THE SITE AT THE		Z Ш 2		ע י ציין אסן	
DEMOLITION AND ALTERATION NOTES TO TRACTOR'S RESPONSIBILITY TO INSPECT L THE INTENT OF THE COMPLETE DESIGN. ITS FOR DEFINITION OF SCOPE FOR REQUIREMENTS. IT IS THE VISIT THE SITE TO CONFIRM THE EXTENT DISCREPANCIES WITH N MANAGER.				32 Dana Drive	t - / Y Y - うしら I enee Lynn & Glotta, PLLC
RACTOR SHALL REVIEW THE BING, ELECTRICAL AND FIRE IS AND REMOVE WIRING, RACEWAYS, AND WITH THE MECHANICAL, PLUMBING AND				22.	
TEMS REMAIN OPERATIONAL AND MEET FOR ALL OCCUPIED AREAS THAT REMAIN ITION. THIS INCLUDES, BUT IS NOT RE ALARM SYSTEMS, EGRESS LIGHTING					()
SYSTEMS INTENDED TO REMAIN URBED IN THE COURSE OF THE RACTOR'S RESPONSIBILITY TO REPAIR OR QUAL CAPACITY, QUALITY AND		are		te 102	JENT
CIRCUIT(S) THAT ARE TO REMAIN IN USE		It C	nter	1, Sul 2801	DCUN
F ELECTRICAL POWER, WHICH WOULD PERATION OF THE OWNER/LANDLORD'S IANTS, SHALL BE DONE AT A TIME OTHER CHEDULE ALL OUTAGES WITH OWN.		rgen	Cel	llevaro rida 32	
IGHTS TO ALL DEMOLISHED MATERIALS. T INTENDED TO BE SALVAGED PRIOR TO R/LANDLORD REQUESTS TO BE RE-USED L BE REMOVED IN A NEAT WORKMAN USE. PROTECT THE SALVAGE MATERIALS NG THE MATERIALS TO PROTECT SALVAGED Y PACKAGE ALL SALVAGE MATERIAL'S S TO SALVAGED MATERIALS.		spot U	e Vista	Vista Bou ando, Flo	TRUCTION
BACK TO BRANCH PANELBOARD OF AND MAKE ELECTRICALLY SAFE. REMOVE AY—IN CEILING, EXPOSED CONDUITS, WAY, SURFACE MOUNTED IPMENT UNLESS NOTED OTHERWISE.		areS	Lee	Z Lee	CONS
M PROJECT SITE IN ACCORDANCE WITH 5 AND REGULATIONS. FOLLOW ALL STATE ES FOR PROPER DISPOSAL.		Ö		x x	80%
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	CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES	C	OVER NO	SHEE ⁻ TES	T
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GENERAL NOTES:

- 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 LOCAL CODES. 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.
- 2 PROVIDE NEW 8" 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".

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MECHANICAL	•
FLOOR PLAN	

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EXISTING EL		CKAGED RO		NIT SCHE	DULE																						
		GENERAL											MECH	NICAL								ELECTRICAL					
							FAN							COOLING	3					HEATING		HEATING					
	MED	MODEL #	DIMENSIONS			CFM	FM			TOTAL		TEMPERATURE (°F)											MOCR	REMARKS			
DESIG.	MFR.	MODEL #	(LxWxH) (IN.)	WEIGHT (LBS)	CAPACITY (NOM TONS)	64		ESP (IN.	НР	RPM	CAPACITY	CAPACITY	E	AT	L	AT	ΟΑΤ	EER	OUTPUT	INPUT CAPACITY	STAGES	VULI/PH	MCA	WOCP			
					(nom: rono)	5A	UA	11.0.7			(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		
NOTES:		•	İ	i	ł	•	•	•	•	•	REMARKS:	•		•	•	•			•	•		•	•	•			

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

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).

EXHAUS	ST FAN SCHE	DULE											
			GENERAL					FAN			MOTOR		
DESIG.	LOCATION	SERVES	MFR.	MODEL #	ТҮРЕ	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
EF-6	CEILING	LAB	GREENHECK	AP-A290	CEILING	24	225	0.25	1050	DIRECT	115/1	81W	1, 2, 3, 6
NOTES													

A. EQUIPMENT TO BE CLEARLY LABELED.

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

OUTSIDE AIR REQUIRMEN

ROOM	QUANTITY OF PEOPLE (P _Z)	CFM/PERSON (R _P)	AREA (SF) (A _Z)	CFM/SF (R _A)	MINIMUM OA (CFM)	AIR DISTRIBUTION EFFECTIVENESS (E _Z)	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 I 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
					TOT	AL OUTSIDE AIR REQUIRED	655	
					тот		800	

AIR DEVICE SCHEDULE								
DESIG.	MFR.	MODEL #	TYPE	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	-	

NOTES:

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.

D. REFERENCE ARCHITECTURAL REFLECTIVE CEILING PLAN.

REMARKS:

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.

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MECHANICAL SCHEDULES

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