Image: state	PLUMBING PIPES:	PIPE FITTINGS AND VALVES:	DUCTWORK:	LUMINAIRES:	WIRING DEVICES AND OUTLETS: F	FIRE ALARM:	ELECTRICAL NOTATIONS
	DOMESTIC COLD WATER	SHUT-OFF VALVE (BALL OR GATE AS SPECIFIED)	BRANCH DUCT WITH 45 DEGREE BOOT FITTING	"A" RECESSED LIGHT FIXTURE, TYPE & CONTROL	REFER TO SPECIFICATION SECTION 260533 RACEWAYS AND BOXES FOR INSTALLATION HEIGHTS AND	WS WATER FLOW SWITCH	AC THESE LETTERS ADJAC INDICATE DEVICE BOT COUNTERTOP BACKSP
		BALANCING VALVE WITH PRESSURE PORTS	BRANCH DUCT WITH BELLMOUTH SPIN-IN FITTING	(x) ZONE "A" LIGHT FIXTURE, TYPE & CONTROL ZONE - (x) EMERGENCY	COORDINATION OF LOCATION REQUIREMENTS.	TS VALVE TAMPER SWITCH FR FAN SHUTDOWN RELAY	IG THESE LETTERS ADJAG INDICATE ISOLATED GF
		TRIPLE DUTY VALVE WITH PRESSURE PORTS		"A" LIGHT FIXTURE, TYPE & CONTROL ZONE - DUAL LEVE (x,z) SWITCHING	EL \$3 THREE-WAY 120/277 VOLT SWITCH		SS THESE LETTERS ADJA INDICATE SURGE SUPF
			ELBOW WITH TURNING VANES	"A" LIGHT FIXTURE AND TYPE - NIGHT LIGHT - UNSWITCH	HED \$4 FOUR-WAY 120/277 VOLT SWITCH \$_ 120/277 VOLT SWITCH WITH PILOT LIGHT	FIRE ALARM STROBE - CEILING MOUNTED	TR THESE LETTERS ADJA INDICATE TAMPER RE
		MOTORIZED THREE-WAY VALVE	RETURN, EXHAUST OR FRESH AIR DUCT UP	HORIZONTAL LINE IN SYMBOL INDICATES ORIENTATION OF CENTER "BASKET" IN ARCHITECTURAL FIXTURES	\$ K KEYED 120/277 VOLT SWITCH	F MANUAL FIRE ALARM PULL STATION OF FIRE ALARM BELL	WP THESE LETTERS ADJ/ INDICATE WEATHER-F
					\$ WPWEATHERPROOF 120/277 VOLT SWITCH\$ 2DOUBLE POLE, 120/277 VOLT SWITCH	FIRE HORN AND STROBE - WALL MOUNTED	WPI THESE LETTERS ADJ. INDICATE WEATHER-
				 A RECESSED ROOND CAN EIGHT FIXTURE AND TYPE A SUSPENDED ROUND LIGHT FIXTURE AND TYPE 	\$ D 120/277 VOLT DIMMER SWITCH		XP THESE LETTERS ADJ INDICATE EXPLOSION
			INSULATED FLEXIBLE DUCT	OH "A" WALL MOUNTED LIGHT FIXTURE AND TYPE	 \$ M MOMENTARY CONTACT 120/277 VOLT SWITCH \$ HOA \$ HAND-OFF-AUTO SELECTOR SWITCH 	►S FIRE SPEAKER - WALL MOUNTED	60" DIMENSIONS ADJACE INDICATE MOUNTING
Number Number <td>AWACID WASTE - BELOW FLOOR</td> <td>TEMPERATURE AND PRESSURE RELIEF VALVE</td> <td>LINEAR SLOT DIFFUSER, TYPE, SIZE, & CFM</td> <td>"A" SURFACE MOUNTED LINEAR LIGHT FIXTURE AND TY</td> <td>PE \$ TO MANUAL STARTER WITH THERMAL OVERLOADS</td> <td>FIRE SPEAKER AND STROBE - WALL MOUNTED FIRE SPEAKER AND STROBE - CEILING MOUNTED</td> <td>DEVICE (TIE) INDICATES HOMERU NUMBER TO BE WIR</td>	AWACID WASTE - BELOW FLOOR	TEMPERATURE AND PRESSURE RELIEF VALVE	LINEAR SLOT DIFFUSER, TYPE, SIZE, & CFM	"A" SURFACE MOUNTED LINEAR LIGHT FIXTURE AND TY	PE \$ TO MANUAL STARTER WITH THERMAL OVERLOADS	FIRE SPEAKER AND STROBE - WALL MOUNTED FIRE SPEAKER AND STROBE - CEILING MOUNTED	DEVICE (TIE) INDICATES HOMERU NUMBER TO BE WIR
	GREASE WASTE - ABOVE FLOOR	THERMOMETER	$\begin{array}{c} \overbrace{8x8} \\ \overbrace{8x8} \overbrace{8x8} \\ \overbrace{8x8} \\ \overbrace{8x8} \\ \overbrace{8x8} } $ \overbrace{8x8} \overbrace{8x8} _{1x} 8		 \$ OT \$ 120/277 VOLT SPRING WOUND TIMER SWITCH \$ ET \$ 120/277 VOLT ELECTRIC TIMER SWITCH 		
		TEMPERATURE SENSOR	SUPPLY GRILLE - ROUND CONNECTION, TYPE, SIZE, & CFM		\$ N 120/277 VOLT NARROW SWITCH	INSTALLATION HEIGHT OF ALL FIRE ALARM DEVICES SHALL BE AS REQUIRED BY THE LATEST EDITION OF NFPA 72. COORDINATE WITH EQUIPMENT MANUFACTURER BASED ON	AD ACCESS DOOR
		PRESSURE GAUGE	$\begin{array}{c} \hline \hline$	CEILING AND WALL MOUNTED EXIT LIGHT AND TYPE -ARROW INDICATES CHEVRON DIRECTION(S) -FILLED SEGMENT INDICATES FACE DIRECTION(S)	\$ LV LOW VOLTAGE SWITCH - REFER TO LIGHTING DEVICE SCHEDULE	ACTUAL PROVIDED EQUIPMENT.	AFF ABOVE FINISHED FL
	G		RETURN GRILLE - ROUND CONNECTION, TYPE, SIZE, & CFM		\$VA1 WALL MOUNT VACANCY SENSOR SWITCH AND TYPE (3) VA1 WALL MOUNT VACANCY SENSOR AND TYPE	FACP FIRE ALARM CONTROL PANEL	AFG ABOVE FINISHED GF AHU AIR HANDLING UNIT
		F FLOAT TRAP	RETURN GRILLE - DUCTLESS, TYPE, SIZE, & CFM	* "X" CEILING MOUNTED COMBINATION EXIT / EMERGENCY LIGHT AND TYPE	© VA1 CEILING MOUNT VACANCY SENSOR AND TYPE	FAA FIRE ALARM ANNUNCIATOR PANEL	C CONDUIT
		FLOAT AND THERMOSTATIC TRAP	$\begin{array}{c} $	WALL MOUNTED COMBINATION EXIT / EMERGENCY LIGHT AND TYPE	\$ OC1 WALL MOUNT OCCUPANCY SENSOR SWITCH AND TYPE	PE CO CARBON DIOXIDE SENSOR	CO CLEANOUT CU CONDENSING UNIT
	SP	BUCKET TRAP	EA 8x8 200 EXHAUST GRILLE - ROUND CONNECTION, TYPE, SIZE, & CFM	"A" C EXTERIOR POLE MOUNTED LIGHT FIXTURE AND TYP	E OC1 CEILING MOUNT OCCUPANCY SENSOR AND TYPE	SD DUCT SMOKE DETECTOR	CUH CABINET UNIT HEA
	FIRE SPRINKLER - WET FIRE SPRINKLER - DRY	SLIDING EXPANSION JOINT	LOUVER - INTAKE, TYPE, SIZE, & CFM	(x) DESIGNATION OF CONTROL ZONE FOR LUMINARF	FOR ALL OCCUPANCY AND VACANCY DEVICES - REFER TO LIGHTING DEVICE SCHEDULE	CEILING SMOKE DETECTOR	CW DOMESTIC COLD W
	FPFIRE SPRINKLER - PREACTION		LOUVER - EXHAUST, TYPE, SIZE, & CFM	DESIGNATION IS ASSOCIATED WITH BOTH CONTROL DEVICES AND LUMINAIRES.	BE AUTOMATIC ON - AUTOMATIC OFF. VACANCY SENSORS SHALL BE PROGRAMMED TO BE	DH ELECTRIC DOOR HOLDER	CWS CHILLED WATER S
		PA PIPE ANCHOR	DAMPERS:			FIREMAN'S TELEPHONE OUTLET	DF DRINKING FOUNTA
	V MEDICAL VACUUM PIPING					NURSE CALL:	DN DOWN EF EXHAUST FAN
			FD FIRE DAMPER		PPT POWERPACKTOR EIGHNING CONTROLS	NURSE CALL MASTER STATION	EWC ELECTRIC WATER
	MEDICAL NITROUS OXIDE PIPING MEDICAL NITROGEN PIPING	CAP	SMOKE DAMPER		SWITCHED RECEPTACLE, HALF OF OUTLETS SWITCHED, NEMA TYPE AS INDICATED	NCA NURSE CALL ANNUNCIATION PANEL	FCU FAN COIL UNIT FD FLOOR DRAIN
	A MEDICAL AIR PIPING	BREAK BREAK		RACEWAYS:	SIMPLEX, 20 A, 125 V, 2 P, 3 W, GROUNDING RECEPTACLE - NEMA 5-20R	W SH NURSE CALL ROOM STATUS CORRIDOR LIGHT -	FFCO FINISHED FLOOR C
	WAGD MEDICAL WAGD PIPING	ELBOW DOWN	RD RELIEF DAMPER		CEILING MOUNTED DUPLEX, 20 A, 125 V, 2 P, 3 W, GROUNDING RECEPTACLE - NEMA 5-20R	SL C NURSE CALL ROOM STATUS CORRIDOR LIGHT -	FGCO FINISHED GRADE C
	CWS CHILLED WATER SUPPLY	TEE UP ≎ TEE DOWN	BD BACKDRAFT DAMPER	CONDUIT OR CIRCUIT CONCEALED IN CEILING OR W	ALL DUPLEX, 20 A, 125 V, 2 P, 3 W, GROUNDING RECEPTACLE - NEMA 5-20R	W NH NURSE CALL CORRIDOR LIGHT - WALL MOUNT	FWCO FINISHED WALL CL
			TEMPERATURE CONTROLS:	EXPOSED CONDUIT OR CIRCUIT	DOUBLE DUPLEX, 20 A, 125 V, 2 P, 3 W,	NC NURSE CALL CORRIDOR LIGHT - CEILING MOUNT	G GROUND WIRE
		SHOCK ABSORBER	"RTU-X" THERMOSTAT AT 4'-0" A.F.F. U.N.O. SERVING "UNI"	T" EXPOSED METAL RACEWAY - WIREMOLD		N N <td>ORD HP HEAT PUMP</td>	ORD HP HEAT PUMP
	CONDENSER WATER SUPPLY CONDENSER WATER RETURN	METER BP BACKFLOW PREVENTER	HUMIDITY SENSOR AT 4'-0" A.F.F. U.N.O.	WIRES, ARROWS INDICATE NUMBER OF HOT CIRCUITS.	INTERRUPTER TYPE GROUNDING RECEPTACLE - NEMA 5-20R	ND NURSE CALL DUTY STATION	HW DOMESTIC HOT WA
		PLUMBING FIXTURES:	CH CARBON DIOXIDE SENSOR AT 4'-0" A.F.F. U.N.O.	GROUND	DOUBLE DUPLEX, 20 A, 125 V, 2 P, 3 W, GROUND FAUL INTERRUPTER TYPE GROUNDING RECEPTACLE -	T NORSE CALL EMERGENCY STATION - PULL CORD	ON HWS HEATING HOT WAT
		PLUMBING FIXTURE PLAN MARK TAG (REFERENCE PLUMBING FIXTURE SCHEDULE)		X #14 WIRE	DUPLEX, 20 A, 125 V, 2 P, 3 W, GROUNDING	N CB NURSE CALL CODE BLUE STATION	OA OUTSIDE AIR
		FLUSH TANK WATER CLOSET		#16 WIRE #18 WIRE	20AMP, 125V, 2P, 3W GROUNDING 4-PORT USB	COMMUNICATIONS:	RA RETURN AIR
		FLOOR MOUNT FLUSH VALVE WATER CLOSET WALL MOUNT FLUSH VALVE WATER CLOSET		SHEATHED CABLE	ADDITIONAL SPECIAL RECEPTACLE DESIGNATORS	**TELEPHONE OUTLET - NUMBER INDICATES QTY CABLE AND JACK OUTLETS. WHERE NO NUMBER	OF SA SUPPLY AIR
				UGE UNDERGROUND ELECTRIC OVERHEAD ELECTRIC	A I C REFER TO RECEPTACLE SCHEDULE OR PLAN NOTES FOR RECEPTACLE REQUIREMENTS.	INDICATED, ONE CABLE AND JACK OUTLET IS STANDARD.	UN UNITHEATER
	LP STEAM - LOW PRESSURE CONDENSATE RETURN			UGT UNDERGROUND TELEPHONE	FB1 RECESSED RECTANGULAR FLOOR BOX - MAY INCLUDE DATA AND POWER - REFER TO FLOOR BOX SCHEDULE FOR DETAILS	> 3/2 **DATA / TELEPHONE COMBINATION OUTLET - NUMBERS INDICATES QTY OF CABLE AND JACK	UV UNIT VENTILATOR
		RN SINGLE BOWL SINK		OVERHEAD TELEPHONE	RECESSED ROUND FLOOR BOX - MAY INCLUDE	NUMBER IS INDICATED, TWO CABLES AND JACK OUTLETS IS STANDARD.	V VENT VTR VENT THROUGH RO
Image: Section		DOUBLE BOWL SINK		POWER EQUIPMENT:	DATA AND POWER - REFER TO FLOOR BOX SCHEDULE FOR DETAILS	> 3 **DATA OUTLET - NUMBER INDICATES QTY OF CABLE AND JACK OUTLETS. WHERE NO NUMBER	W WASTE
Image: Constraint part (Source Same Same Same Same Same Same Same Sam	FW			Lighting and Appliance Panel DISTRIBUTION, FEEDER OR POWER PANEL	(FB1) SURFACE MOUNTED FLOOR BOX - MAY INCLUDE DATA AND POWER - REFER TO FLOOR BOX		PLAN NOTATIONS:
- Consistent and particular discussion - Consecond - Consistent and particular discussion	PC CONDENSATE PUMP DISCHARGE	BATHTUB			SCHEDULE FOR DETAILS		
 With With States With With With With With With With With		SHOWER		MAGNETIC MOTOR CONTROLLER	СН CLOCK OUTLET (RECEPTACLE)	** THESE OUTLETS REQUIRE 4/S - 3/4 BOX WITH SINGLE GANG	
Image: Strength Unit Work Private Image:		► SHOWER HEADS			APPROPRIATE RECEPTACLE(S) ON STUBBED UP CONDUIT, OUTLET BOX TO BE FS BOX	PLASTER RING AND 0.75" CONDUIT WITH 90 DEGREE SWEEP ABOVE CEILING WITH DE-BURRED END	E DETAIL REFERENCE INDICATES DETAIL N INDICATES SHFFT N
	REFRIGERANT DISCHARGE (HOT GAS) REFRIGERANT DISCHARGE (BYPASS)	DRINKING FOUNTAIN OR ELECTRIC WATER COOLER		TIME SWITCH	JUNCTION BOX 4" SQUARE UNLESS NOTED		1 PLAN NOTE REFERE
 Best Prior Best P		JANITOR'S BASIN		PC PHOTOCELL	J-O JUNCTION BOX ON STUBBED UP CONDUIT	MASTER CLOCK	
		EMERGENCY EYEWASH			PRE-FABRICATED MULTI-OUTLET ASSEMBLY	ACU INTERCOM ADMINISTRATIVE CONTROL UNIT	1 M1 SECTION REFERENCE INDICATES DETAIL N INDICATES SHEET N
reg r	FOR FUEL OIL RETURN	Image: Second system Emergency eyewash & shower Image: Second system Emergency shower		EQUIPMENT PAD WHERE FLOOR MOUNTED.	- OUTLETS 12" O.C. UNLESS OTHERWISE NOTED - REFER TO SCHEDULE FOR ADDITIONAL REQUIREMENTS		\checkmark
PIPE PLASING: ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE CONSINT OL COCK SPRIATE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE ROUCH-IN ROX (LAUROY TO CONSPRIATE DRAW) IDE IDE COUND REPARE INFORMATION - SERVICE AS NOTES ABOVE IDE IDE ROUCH-INT REPARE IDE IDE IDE IDE INFORMATION - SERVICE AS NOTES ABOV	FOG FUEL OIL GAUGE LINE				PB PUSHBUTTON STATION	WALL SPEAKER	
INPROVINENT - SERVICE AN NOTE NATURE INVIDENT - SERVICE NATURE AND FERVICE NATURE AND FERVICE SERVICE AN NOTE NATURE INVIDENT - SERVICE NATURE AND FERVICE NATURE AND FERVICE SERVICE AN NOTE NATURE INVIDENT - SERVICE NATURE AND FERVICE NATURE AND FE	PIPE PHASING:	ROUGH-IN BOX (LAUNDRY OR CONDENSATE DRA	NIN)				
INTROVEMENT SERVICE AS NOTED ABOVE IMPROVEMENT Service AS NOTE		ROUGH-IN BOX (ICE-MAKER) HOSE BIBB					
IMPROVEMENT - SERVICE AS NOTED ABOVE Improvement - SERVICE AS NOTED ABOVE <td></td> <td>-E WALL HYDRANT</td> <td></td> <td></td> <td></td> <td>Ivi COLUMN SPEAKER ▼ HORN TYPE SPEAKER</td> <td></td>		-E WALL HYDRANT				Ivi COLUMN SPEAKER ▼ HORN TYPE SPEAKER	
INTERVENTION FORMULE AS NOTED ABOVE INTERVENT SERVICE AS NOTE DABOVE INTERVENT SERVICE AS NOTED ABOVE		PIPE SPECIALTIES:				M MICROPHONE OUTLET - WALL	
IMPROVEMENT SERVICE AS NOTED ABOVE ICOAL AMPLIFIER Improvement - service as noted badove Improvement - service - service as noted badove Improvement - service - service as noted badove Improvement - service -	IMPROVEMENT - SERVICE AS NOTED ABOVE IMPROVEMENT - SERVICE AS NOTED ABOVE	X DRAINAGE PIPE SPECIALTY TAG X DENOTES PLAN MARK				M MICROPHONE OUTLET - FLOOR	
Exts Invis - Stervice as NotED ABOVE • Fluss Fluore GLEANOUT • Fluiss Fluore GLEANOUT Exts Invis - Stervice as NotED ABOVE • • Fluiss Fluore GLEANOUT • • Exts Invis - Stervice as NotED ABOVE • • Fluiss Fluore GLEANOUT • <td></td> <td>(REFERENCE DRAINAGE PIPE SPECIALTY SCHEDULE)</td> <td></td> <td></td> <td></td> <td></td> <td></td>		(REFERENCE DRAINAGE PIPE SPECIALTY SCHEDULE)					
	EXISTING - SERVICE AS NOTED ABOVE EXISTING - SERVICE AS NOTED ABOVF	FLUSH FLOOR CLEANOUT FLUSH GRADE CLEANOUT				C CALL-IN STATION	
Image: Service As noted Above	EXISTING - SERVICE AS NOTED ABOVE	어I FINISH WALL CLEANOUT				CABLE TRAY	
Existing - Service As noted Above Image: Floor Sink Image: Door Alarm contact Floor Trough / Trench drain Image: Door Alarm Annunciator Image: Floor Sink Image: Floor Sink Image: Floor Sink <td>EXISTING - SERVICE AS NOTED ABOVE EXISTING - SERVICE AS NOTED ABOVE</td> <td>O ROOF DRAIN O FLOOR DRAIN</td> <td></td> <td></td> <td><u>e</u></td> <td>SECURITY:</td> <td></td>	EXISTING - SERVICE AS NOTED ABOVE EXISTING - SERVICE AS NOTED ABOVE	O ROOF DRAIN O FLOOR DRAIN			<u>e</u>	SECURITY:	
Image: Service as noted above Image: Floor trough / trench drain Image: Door alarm annunciator Image: Service as noted above Image: Floor trough / trench drain Image: Service as noted above Image: Floor trough / trench drain Image: Service as noted above Image: Floor trough / trench drain Image: Service as noted above Image: Floor trough / trench drain Image: Service as noted above Image: Floor trough / trench drain Image: Floor trough / trench drain <td< td=""><td> EXISTING - SERVICE AS NOTED ABOVE</td><td>FLOOR SINK</td><td></td><td></td><td>2</td><td>DC DOOR ALARM CONTACT</td><td></td></td<>	EXISTING - SERVICE AS NOTED ABOVE	FLOOR SINK			2	DC DOOR ALARM CONTACT	
IMI MONITOR JUNCTION BOX IMI CLOSED CIRCUIT TELEVISION MONITOR IMI CLOSED CIRCUIT TELEVISION MONITOR		FLOOR TROUGH / TRENCH DRAIN					
	FUTURE - SERVICE AS NOTED ABOVE					Imp MONITOR JUNCTION BOX Imp CLOSED CIRCUIT TELEVISION MONITOR	
CLOSED CIRCUIT TELEVISION CAMERA							

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SYMBOLS LEGEND



	7	8	9	10	11	12	13	14	16	17 SHEET CREATENATION IN THE SHALL BE INSULATED, SHALE DWATTER THE ALL EXTERIOR DUCTWORK SHALL BE INSULATED, SHALE DWATTER THE CHARACTER THAN SHALL MAINTAIN MINIMUM 10-0F FROM ROOF EDGE AND ANY EXISTING OUTSIDE ANNAULT DUCTWORK SHALL DROP DOWN THROUGH OPENING. OPENING SHALL BE ENLARGED TO ALLOW LARGER DUCT NUNAGE FRAME. CHARACTER SHALL AND STOR MOUNTING OF EXHAUST FANS OF MUNINAGE FRAME.
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								"HP2C" 29,31,33		

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MEP ROOF PLAN



13	14	15	16	17	
				SHEET K P 1 REMOVE ASSOCIATED F 2 REMOVE DUCTWORK AM GENE REFER TO SHEET M301 FOR	CEYNOTE LEGEND LAN HEX NOTES: AN POWERED BOX AND ASSOCIATED HANGE ID ASSOCIATED HANGERS, DIFFUSERS, ETC ERAL NOTES: GENERAL NOTES:

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Please consider the environment before printing this.					





17		16	15	14	13	
HEET KEYNOTE LEGEND						
PLAN HEX NOTES:						
DE LABCONCO 3'-0" LAB EXHAUST HOOD, COUNTER MOUNTED. DINATE MOUNTING ON COUNTERTOP WITH OWNER.	1 PF C(
ICT DOWN TO CONNECT TO LAB EXHAUST HOOD. COORDINATE ECTION WITH HOOD REQUIREMENTS.	2 8" C(
NG DUCT OPENING THROUGH ROOF SHALL BE ENLARGED TO A " DUCT UP THROUGH ROOF.	3 E) 22					
NG DUCT OPENING THROUGH ROOF 18"X18" DUCT UP THROUG	4 E)					
GENERAL NOTES:						

SECOND FLOOR HVAC PLAN

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7 8	9 10 11 12 13	14 15 16	17
			SHEET KEYNOTE LEGENI
		ABBREVIATED SCHEDULE HEADINGS	GENERAL NOTES:
	AN SCHEDULE	A AMPS CAP CAPACITY CFM CUBIC FEET PER MINUTE	ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL MECHANICAL CODE AS ADOPTED BY THE CITY OF LEE'S SUMMIT, MO.
NOTES PLAN MARI EF1	NK MANUFACTURER MODEL AIR FLOW (CFM) EST. ESP (IN WG) VOLTAGE PHASE MOTOR (HP) UNIT WEIGHT (IBS) NOTES COOK 195TCNHBLE14 3,400 3.5 460 3 7.5 1907 DS,GBD,MB	E.A.T. ENTERING AIR TEMPERATURE E.S.P. EXTERNAL STATIC PRESSURE INCLUDES ALL WORK EXTERNAL TO UNIT	B. CONTRACTOR SHALL SECURE AND PAY FOR NECESSARY MEP PERMITS AND CERTIFICATES OF INSPECTION REQUIRED BY GOVERNMENTAL ORDINANCES, LAWS, RULES, OR REGULATIONS.
EF2 EF3	COOK 195TCNHBLE15 3,375 3.5 460 3 7.5 1907 DS,GBD,MB COOK 195TCNHBLE11 2,225 3.5 460 3 5 1844 DS,GBD,MB	E.W.1. ENTERING WATER TEMPERATURE EER ENERGY EFFICIENCY RATIO EST. ESTIMATED FLA FULL LOAD AMPS	C. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS, AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED: WORK SHALL INCLUDE
ND LOW EXHAUST AT 100 CFM EACH INLET.		FPM FEET PER MINUTE GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GR/LB GRAINS OF MOISTURE PER POUND OF DRY AIR	REQUIRED AND INTENDED, WORK STIAL INCODE REQUIRED REPLACEMENT, ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT AND ALL REQUIRED PROGRAMMING INSTALLED. PROVIDE FOR ALL WORK INDICATED ON DRAWINGS OR AS REASONABLY IMPLIED.
	AN MANUFACTURER MODEL APPLICATION FINISH FRAME TYPE VOLUME DAMPER MAXIMUM AP (IN WG) NOTES	HP HORSEPOWER IN INCH ISP INLET STATIC PRESSURE	D. TEST ALL LINES, SYSTEMS, EQUIPMENT BEFORE THEY ARE INSULATED, PAINTED, OR CONCEALED BY CONSTRUCTION OR BACKFILLING. PROVIDE FUEL, WATER,
	G-1 TITUS PAR-24 x 24 EXHAUST PER ARCH.) GRID № 30 0.10 24x24 SQUARE PERFORATED FACE WITH ROUND DUCT CONNECTION G-2 TITUS 351-RL EXHAUST PER ARCH.) SURFACE № 30 0.10 WALL GRILLE - DOUBLE DEFLECTION - ALUMINUM G-3 TITUS PAR-12 x 12 EXHAUST PER ARCH.) SURFACE № 30 0.10 12x12 SQUARE PERFORATED FACE WITH ROUND DUCT CONNECTION G-1 TITUS PAS-24 x 24 SUPPLY PER ARCH.) GRID № 30 0.10 24x24 SQUARE PERFORATED FACE WITH ROUND DUCT CONNECTION	L.A.1. LEAVING AIR TEMPERATURE L.W.T. LEAVING WATER TEMPERATURE LBS POUNDS LOAD NOMINAL CONNECTED GAS LOAD TO UNIT, USED TO SIZE	ELECTRICITY, MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR TESTS. REPAIR OR REPLACE DEFECTS, LEAKS, AND MATERIALS FAILURES REVEALED BY TESTS AND THEN RETESTED UNTIL SATISFACTORY. MAKE
		GAS PIPING MCA MINIMUM CIRCUIT AMPACITY MIN. MINIMUM MOCP MAXIMUM OVERCURRENT PROTECTION	E. PROVIDE NECESSARY MATERIALS. FOR INSTALLATION OF FIXTURES, EQUIPMENT, ETC AS REQUIRED FOR COMPLETE AND EUNCTIONAL OPERATION
		NC MAXIMUM NOISE CRITERIA RATING NPSH NET PRESSURE SUCTION HEAD OA OUTSIDE AIR OUTSIDE TO SATIEV SCHEDULED	AS NOTED ON DRAWINGS OR IN NOTES. F. ACCESS PANELS SHALL BE PROVIDED WHEREVER NECESSARY TO PROVIDE ACCESS TO VALVES, JUNCTION
		PPH POUNDS PER HOUR PSI POUNDS PER SQUARE INCH	BOXES, ETC., LOCATED IN CONCEALED SPACES. PROVIDE ACCESS DOOR FOR ALL FIRE DAMPERS AS REQUIRED FOR SERVICE.
TOR SHALL PROVIDE ALL CONTROLLERS AND DEVICES NECESSARY TO UENCES FOR LABORATORY SUPPLY AND EXHAUST CONTROL.	AIR VALVE / LAB EXHAUST FAN - POINTS LIST TYPE POINT DESCRIPTION UNITS TREND ALARM TOTALIZE AL EH-T ELECTRIC RE-HEATING LAT DEG E X X	REVOLUTIONS PER MINUTE SEER SEASONAL ENERGY EFFICIENCY RATIO SHC SENSIBLE HEAT CAPACITY TEMP. TEMPERATURE	G. ALL EQUIPMENT, FIX TORES, MATERIALS, ETC SHALL BE INSTALLED IN NEAT, PROFESSIONAL MANNER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
O ACCEPT INPUT FROM BUILDING DDC CONTROL SYSTEM TO RESET AIRFLOW AMOUNT SHALL BE A USER INPUT AND SHALL BE ACH - 8 ACH.	AI DA-T DISCHARGE AIR TEMPERATURE DEG F X X AI SAV-T SUPPLY AIR VALVE - EAT DEG F X X AI OA-T OUTSIDE AIR TEMPERATURE DEG F X X AI SAV-F SUPPLY AIR VALVE AIRFLOW CFM X X	THC TOTAL HEAT CAPACITY WB WET BULB WPD WATER PRESSURE DROP	H. THE CONTRACTOR SHALL CONTACT THE OWNER AND COORDINATE ALL OUTAGES 5 DAYS PRIOR TO ANY SHUT- OFF OF SERVICES.
N OFFSET CFM -200 CFM (ADJUSTABLE) TO ENSURE LAB STAYS NCE BETWEEN SUPPLY AND EXHAUST. AIR VALVES SHALL OPEN TO ST FAN SHALL INCREASE SPEED TO MAINTAIN DUCT NEGATIVE STATIC . SUPPLY AIR VALVE SHALL OPEN TO MAINTAIN -200 CFM NEGATIVE	AI EAV-F EXHAUST VALVE AIRFLOW CFM X X AI EF-F EXHAUST FAN AIRFLOW CFM X X AI DP-HL DUCT PRESS. EXHAUST In WC X	EXHAUST FAN SCHEDULE AF ALUMINUM FINISH DD DIRECT DRIVE MOTOR	I. PROVIDE ALL FIRE RATED MATERIAL FOR PATCH AND REPAIR FOR ALL FIRE RATED ASSEMBLIES. ALL OPENINGS SHALL BE SEALED AND CLOSED IN APPROVED MANNER. PROVIDE SLEEVE WHERE NEEDED DUE TO
POINT NOT MET, SUPPLY AIR VALVE SHALL OPEN TO MAINTAIN -75 CFM RE. AT COIL SHALL MODULATE TO MAINTAIN SPACE SETPOINT.	DI EF-S EXHAUST FAN STATUS OFF ON X X DO EF-C EXHAUST FAN COMMAND OFF ON X AQ FE-Q EXHAUST FAN VED OUTPUT % X	DS DISCONNECT SWITCH GBD GRAVITY BACKDRAFT DAMPER MB MIXING BOX FOR SIDE DUCT CONNECTION. RC ROOF CURB	SCOPE OF WORK. J. EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE
/ERRIDE BUTTON LOCATED IN CLASSROOM IS TURNED ON. EXHAUST ETPOINT (8 ACH) AND EXHAUST FAN SHALL INCREASE SPEED TO PRESSURE OF -0.65" (ADJUSTABLE). SUPPLY AIR VALVE SHALL OPEN TO	AOEH-OELECTRIC HEATING OUTPUT%XAOEAV-OEXHAUST AIR VALVE OUTPUT%XAORAV-ORETURN AIR VALVE OUTPUT%XAODAT-SPDISCHARGE AIR TEMP SETPOINTDEG FX	SC SPEED CONTROLLER FAN COIL UNIT SCHEDULE	EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
POINT NOT MET, SUPPLY AIR VALVE SHALL OPEN TO MAINTAIN -75 CFM RE.	AO EAP-SP EXHAUST AIR PRESS. SETPOINT In WC X	T PROGRAMMABLE AUTO-CHANGEOVER THERMOSTAT FAN TERMINAL UNIT SCHEDULE	K. CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
AIR VALVE SHALL CLOSE OTHER EXHAUST AIR VALVES SHALL CLOSE AN SHALL DECREASE SPEED TO MAINTAIN DUCT NEGATIVE STATIC		A ATTENUATOR AT ASPIRATING THERMOSTAT PRESSURE TAP AV AIR VALVE / DAMPER CON CONSTANT VOLUME	 L. PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. M. ALL METAL DUCTWORK SPECIFIED TO RECEIVE INTERIOR
SUPPLY AIR VALVE CLOSE TO MAINTAIN NEUTRAL SPACE PRESSURE		CT CONTROL TRANSFORMER DDC DIRECT DIGITAL CONTROLS F FILTERS EAR EAN ACCESS DANIEL	THERMAL AND ACOUSTICAL LINER IS NOT SIZED ON PLANS TO INCLUDE THE PROPER THICKNESS OF INSULATION. ADD 1" OR 2" IN HEIGHT AND WIDTH OF DUCTWORK TO ACCOMMODATE THICKNESS OF INSULATION
		FS HEATER AIR FLOW SWITCH HDS HEATER DISCONNECTING MEANS ML MINIMUM VOLUME LIMITER	N. BRANCH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
		MR MORNING WARMUP RELAY MV MAXIMUM VOLUME LIMITER NR NIGHT SHUTOFF RELAY PNEU PNEUMATIC	 O. PROVIDE TURNING VANES IN ALL RECTANGULAR MITERED ELBOWS. P. THERMOSTATS AND CONTROL WIRING SHALL BE
		SPI SIDE PLENUM INLET T THERMOSTAT TI TOP PLENUM INLET VA VALVE/DAMPER ACCESS PANEL	SUPPLIED BY THE HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUIT, BOXES, ETC. FOR THE INSTALLATION OF THERMOSTATS. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR THE
		VAV VARIABLE AIR VOLUME VR PNEUMATIC VOLUME REGULATOR	 INSTALLATION AND CONNECTION OF THERMOSTATS. Q. NEW PIPING AND DUCTWORK SHALL NOT BE ROUTED OVER EXISTING AND NEW ELECTRICAL PANELS.
	TAPERED CONE NOZZLE.	CURB ROOF CURB CURBS SLOPED ROOF CURB GBD GRAVITY BACKDRAFT DAMPER	R. ALL ROOF WORK SHALL BE IN ACCORDANCE WITH ARCHITECTURAL REQUIREMENTS SO THAT ROOF WARRANTY IS NOT VOIDED.
GALV. IRON STRAP OR ALUM. SEE TABLE FOR SIZE		MBD MOTORIZED BACKDRAFT DAMPER	S. ALL EQUIPMENT SHALL BE INSTALLED TO ALLOW FULL MAINTENANCE ACCESS PER MANUFACTURER'S RECOMMENDATIONS.
SECURE TO STRUCTURE ABOVE AS RECOMMENDED BY SMACNA			T. PROVIDE BALANCE DAMPER ON ALL SUPPLY, EXHAUST, AND OUTSIDE AIR BRANCH DUCTS TO OUTLETS, WHETHER INDICATED IN PLANS OR NOT.
			 U. INSULATE AND SEAL ALL CAPPED DUCTS WHERE NOTED. V. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSITIONS TO ALL EQUIPMENT OPENING SIZES.
			W. LAB EXHAUST DUCT SHALL BE STAINLESS STEEL LAB EXHAUST OR EQUAL FOR CORROSION RESISTANT.
	MOTOR COVER - ACCESS DOOR		
SHEET METAL SCREWS NUT & WASHER AT END OF ROD			
<u>TYPE "A"</u> <u>TYPE "B"</u>			
DUCT HANGER SCHEDULE TYPE HANGER STRAP ROD ANGLE			
OF HANGERSPACING (FT)SIZESIZE (INCH)FOR BRACINGA8'-0"1"x16GAN.A.N.A.			
A 8'-0" 1"x16GA N.A. N.A. A/B 8'-0" 1"x16GA 1/4" 1-1/2"x1-1/2"x1/ B 8'-0" N.A. 1/4" 1-1/2"x1-1/2"x1/	8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8		
B 8'-0" N.A. 1/4" 1-1/2 x1-1/2"x1/ B 8'-0" N.A. 1/4" 1-1/2"x1-1/2"x3/ B 8'-0" N.A. 1/4" 1-1/2"x1-1/2"x3/ B 8'-0" N.A. 3/8" 2"x2"x1/4"	0 0 16" 16" 16" PROVIDED BY OTHERS. </td <td></td> <td></td>		
AL DUCTS ON ONE HANGER, TYPE "B" MAY BE USED. SIZE OF HANGER WILL THE SUM OF DUCT WIDTHS EQUAL TO MAX WIDTH OF DUCT SCHEDULE.			
NOT TO SCALE	M301 SCALE: NOT TO SCALE		
	SUPPORT FROM		
NOTE:	FLEXIBLE DUCT 5'-0" MAXIMUM LENGTH		
L = 1/4W (4" MIN.)	SPIN-IN TAP FLEXIBLE DUCT VOLUM		
	CONTROL VOLUME DAMPER DELL MOLITIL EITTINC		
USE DAMPER WHEN INDICATED ON PLAN	EXTERNAL FLEXIBLE DUCTWORK ELBOW-		
W	CEILING		
	BELL MOUTH FITTING SUPPLY GRILLE MAIN OR BRANCH	DUCT	
	SUPPLY DIFFUSER		
	EILING DIFFUSER DETAIL		
7 8	9 10 11 12 13	14 15 16	MECHA
			Please consider the environment before printing this.

NOTES
HAND LOW EXHAUST AT 100 CFM EACH INLET.

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									SHEET P	(EYNOTE LEGENI
								LE LEGEND	GEN	
FAN	SCHEDULE						A AMPS CAP CAPACITY CFM CUBIC FEET PER MIN	IUTE	A. ALL MECHANICAL W THE REQUIREMENT MECHANICAL CODE SUMMIT, MO.	S OF THE 2018 INTERNATIONAL AS ADOPTED BY THE CITY OF LEE'S
PLAN MARK MAR EF1	NUFACTURER MOD COOK 195TCNF	DEL AIR FLOW (CFM) HBLE14 3,400	EST. ESP (IN WG) VOLTAGE F 3.5 460	PHASE MOTOR (HP) UNIT WEIGHT (IBS) 3 7.5 1907	NOTES DS,GBD,MB		E.A.T. ENTERING AIR TEMP E.S.P. EXTERNAL STATIC PI EXTERNAL TO UNIT	ERATURE RESSURE INCLUDES ALL WORK	B. CONTRACTOR SHAL MEP PERMITS AND REQUIRED BY GOVE RULES, OR REGULA	L SECURE AND PAY FOR NECESSARY CERTIFICATES OF INSPECTION ERNMENTAL ORDINANCES, LAWS, ATIONS.
EF2 EF3	COOK 195TCNH COOK 195TCNH	HBLE15 3,375 HBLE11 2,225	3.5 460 3.5 460	3 7.5 1907 3 5 1844	DS,GBD,MB DS,GBD,MB		E.W.T. ENTERING WATER TE EER ENERGY EFFICIENCY EST. ESTIMATED FLA FULL LOAD AMPS	EMPERATURE / RATIO	C. FINAL ACCEPTANCE CONDITION THAT AI AND APPLIANCES C	E OF WORK SHALL BE SUBJECT TO THE LL SYSTEMS, EQUIPMENT, APPARATUS, PREATE SATISFACTORILY AS
							FPM FEET PER MINUTE GPH GALLONS PER HOUR GPM GALLONS PER MINUT		DESIGNED AND IN I REQUIRED REPLAC AND CONTROL EQU PROGRAMMING INS	ENDED; WORK SHALL INCLUDE EMENT, ADJUSTMENT OF SYSTEMS IPMENT AND ALL REQUIRED TALLED. PROVIDE FOR ALL WORK
PLAN MARK MAN	NUFACTURER MODEL AF	IER AND D	IFFUSER SC ME VOLUME DAMPER MAXIMUM NC				HP HORSEPOWER IN INCH ISP INLET STATIC PRESS		D. TEST ALL LINES, SY ARE INSULATED, PA CONSTRUCTION OR	STEMS, EQUIPMENT BEFORE THEY AINTED, OR CONCEALED BY BACKFILLING, PROVIDE FUEL, WATER.
EG-1 EG-2 EG-3	TITUSPAR-24 x 24TITUS351-RLTITUSPAR-12 x 12TITUSPAS-24 x 24	EXHAUST PER ARCH.) GR EXHAUST PER ARCH.) SURP EXHAUST PER ARCH.) SURP SURPLY DEP ARCH.) CE	No 30 FACE No 30 FACE No 30 FACE No 30	0.10 24x24 SQUARE PERFORATED 0.10 WALL GRILLE - DOUBLE DEFL 0.10 12x12 SQUARE PERFORATED 0.10 24x24 SQUARE PERFORATED	FACE WITH ROUND DUCT CONNECTION ECTION - ALUMINUM FACE WITH ROUND DUCT CONNECTION FACE WITH ROUND DUCT CONNECTION		L.A.T. LEAVING AIR TEMPER L.W.T. LEAVING WATER TEM LBS POUNDS LOAD NOMINAL CONNECTE	RATURE IPERATURE ED GAS LOAD TO UNIT, USED TO SIZE	ELECTRICITY, MATE REQUIRED FOR TES LEAKS, AND MATER AND THEN RETEST	RIALS, LABOR, AND EQUIPMENT STS. REPAIR OR REPLACE DEFECTS, IALS FAILURES REVEALED BY TESTS ED UNTIL SATISFACTORY. MAKE
30-1	11105 PA3-24 X 24	SUPPLY PER ARCH.) GR		U.IU Z4X24 SQUARE PERFURATED	FACE WITH ROUND DUCT CONNECTIN		GAS PIPING MCA MINIMUM CIRCUIT AN MIN. MINIMUM		E. PROVIDE NECESSA	/ MATERIALS. RY MATERIALS AND ACCESSORIES OF FIXTURES, EQUIPMENT, ETC AS
							NC MAXIMUM NOISE CRI NPSH NET PRESSURE SUC OA OUTSIDE AIR	TERIA RATING TION HEAD	F. ACCESS PANELS SH	APLE TE AND FUNCTIONAL OPERATION VINGS OR IN NOTES.
							OUTPUT MINIMUM REQUIRED HEATING REQUIREM PPH POUNDS PER HOUR PSI POUNDS PER SQUAR	OUTPUT TO SATIFY SCHEDULED ENTS RE INCH	BOXES, ETC., LOCA ACCESS DOOR FOR FOR SERVICE.	TED IN CONCEALED SPACES. PROVIDE
Y TO	AIR VALVE / LA	AB EXHAUST FAN	- POINTS LIST	I TOTALIZE			RPM REVOLUTIONS PER M SEER SEASONAL ENERGY SHC SENSIBLE HEAT CAP TEMP TEMPERATURE	MINUTE EFFICIENCY RATIO ACITY	G. ALL EQUIPMENT, FI INSTALLED IN NEAT ACCORDANCE WITH RECOMMENDATION	(TURES, MATERIALS, ETC SHALL BE , PROFESSIONAL MANNER IN 1 MANUFACTURER IS.
т	AI EH-I AI DA-T AI SAV-T AI OA-T AI SAV-F	ELECTRIC RE-HEATING LAT DISCHARGE AIR TEMPERATURE SUPPLY AIR VALVE - EAT OUTSIDE AIR TEMPERATURE SUPPLY AIR VALVE AIRELOW	DEGF X X DEGF X X DEGF X X DEGF X X CEF X X				THC TOTAL HEAT CAPACI WB WET BULB WPD WATER PRESSURE D	TY DROP	H. THE CONTRACTOR COORDINATE ALL C OFF OF SERVICES.	SHALL CONTACT THE OWNER AND UTAGES 5 DAYS PRIOR TO ANY SHUT-
) TIC	AI EAV-F AI EF-F AI DP-HL	EXHAUST VALVE AIRFLOW EXHAUST FAN AIRFLOW DUCT PRESS. EXHAUST	CFM X X CFM X X In WC X				EXHAUST FAN SCHEDULE AF ALUMINUM FINISH DD DIRECT DRIVE MOTO	R	I. PROVIDE ALL FIRE F REPAIR FOR ALL FIR OPENINGS SHALL B MANNER, PROVIDE	RATED MATERIAL FOR PATCH AND RE RATED ASSEMBLIES. ALL E SEALED AND CLOSED IN APPROVED SLEEVE WHERE NEEDED DUE TO
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ST N TO	AO EP-O AO EH-O AO EAV-O AO RAV-O AO DAT-SP	ELECTRIC HEATING OUTPUT EXHAUST AIR VALVE OUTPUT RETURN AIR VALVE OUTPUT DISCHARGE AIR TEMP SETPOINT	70 A % X % X % X % X % X DEG F X				SC SPEED CONTROLLER	R	VISITS, AND VISUAL EXISTING CONDITIC CHANGE ORDERS V UNANTICIPATED CC	OBSERVATIONS. FIELD VERIFY ALL INS PRIOR TO SUBMITTING FINAL BIDS. VILL NOT BE PAID DUE TO INDITIONS TO MEET INTENT OF WORK.
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							FAP FAN ACCESS PANEL FS HEATER AIR FLOW SY HDS HEATER DISCONNEC ML MINIMUM VOLUME LII	WITCH TING MEANS MITER	N. BRANCH DUCTS SH NECK UNLESS NOT	ALL BE THE SAME SIZE AS DIFFUSER ED OTHERWISE.
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ZE									T. PROVIDE BALANCE AND OUTSIDE AIR B WHETHER INDICATE	DAMPER ON ALL SUPPLY, EXHAUST, RANCH DUCTS TO OUTLETS, ED IN PLANS OR NOT.
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PLAN MARK MANUFACTURER MODEL AIR FLOW (CFM) EST. E EF1 COOK 195TCNHBLE14 3,400	SP (IN WG) VOLTAGE PHASE M 3.5 460 3	UNIT WEIGHT (IBS)NO7.51907DS7.51907DS	TES ,GBD,MB		E.A.T. ENTERING AIR TEMP E.S.P. EXTERNAL STATIC P EXTERNAL TO UNIT	PERATURE RESSURE INCLUDES ALL WORK	B. CONTRACTOR SHALL S MEP PERMITS AND CEI REQUIRED BY GOVERN RULES, OR REGULATIO	ECURE AND PAY FOR NECESSARY <pre> </pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> </pre> </pre> <pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> </pre> </pre> </pre> <pre> </pre> <pre> <pr< td=""></pr<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
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PLAN MARK MANUFACTURER MODEL APPLICATION FINISH TYPE	VOLUME MAXIMUM NC (IN WG)	NOTES		_	HP HORSEPOWER IN INCH ISP INLET STATIC PRESS	SURE	D. TEST ALL LINES, SYSTI ARE INSULATED, PAINT CONSTRUCTION OR BA	EMS, EQUIPMENT BEFORE THEY ED, OR CONCEALED BY ACKFILLING. PROVIDE FUEL, WATER,
EG-1 TITUS PAR-24 x 24 EXHAUST PER ARCH.) GRID EG-2 TITUS 351-RL EXHAUST PER ARCH.) SURFACE EG-3 TITUS PAR-12 x 12 EXHAUST PER ARCH.) SURFACE	No 30 0.10 No 30 0.10 No 30 0.10 No 30 0.10	24x24 SQUARE PERFORATED FACE WALL GRILLE - DOUBLE DEFLECTIO 12x12 SQUARE PERFORATED FACE	WITH ROUND DUCT CONNECTION ON - ALUMINUM WITH ROUND DUCT CONNECTION		L.A.T. LEAVING AIR TEMPE L.W.T. LEAVING WATER TEI LBS POUNDS LOAD NOMINAL CONNECT	RATURE MPERATURE ED GAS LOAD TO UNIT. USED TO SIZE	ELECTRICITY, MATERIA REQUIRED FOR TESTS LEAKS, AND MATERIAL AND THEN RETESTED	LS, LABOR, AND EQUIPMENT REPAIR OR REPLACE DEFECTS, S FAILURES REVEALED BY TESTS UNTIL SATISFACTORY. MAKE
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90 AO EAP-SP EXHAUST AIR PRESS. SETPOINT I	n WC X				FB FILTER BOX T PROGRAMMABLE AU FAN TERMINAL UNIT SCHEDULE	JTO-CHANGEOVER THERMOSTAT	K. CONTRACTOR SHALL S WORK WITH REGARD 1 BUILDING.	CHEDULE AND EXECUTE ALL O THE OWNER'S USE OF THE
SE					A ATTENUATOR AT ASPIRATING THERM AV AIR VALVE / DAMPER	OSTAT PRESSURE TAP	L. PLANS ARE DIAGRAMM REFER TO ARCHITECT	ATIC AND SHALL NOT BE SCALED. JRAL DRAWINGS FOR DIMENSIONS.
RE					CT CONTROL TRANSFO DDC DIRECT DIGITAL CON F FILTERS	RMER NTROLS	THERMAL AND ACOUS PLANS TO INCLUDE TH INSULATION. ADD 1" OF DUCTWORK TO ACCOM	ICAL LINER IS NOT SIZED ON E PROPER THICKNESS OF ? 2" IN HEIGHT AND WIDTH OF MODATE THICKNESS OF
					FAP FAN ACCESS PANEL FS HEATER AIR FLOW S HDS HEATER DISCONNEC ML MINIMUM VOLUME L	WITCH CTING MEANS MITER	N. BRANCH DUCTS SHALL NECK UNLESS NOTED	. BE THE SAME SIZE AS DIFFUSER OTHERWISE.
					MR MORNING WARMUP MV MAXIMUM VOLUME L NR NIGHT SHUTOFF REI	RELAY IMITER _AY	O. PROVIDE TURNING VAI ELBOWS. P. THERMOSTATS AND CO	JES IN ALL RECTANGULAR MITERED
					SPI SIDE PLENUM INLET T THERMOSTAT TI TOP PLENUM INLET		SUPPLIED BY THE HVA CONTRACTOR SHALL F NECESSARY CONDUIT, INSTALLATION OF THE	CONTRACTOR. THE ELECTRICAL URNISH AND INSTALL THE BOXES, ETC. FOR THE RMOSTATS. THE HVAC
					VA VALVE/DAMPER ACC VAV VARIABLE AIR VOLU VR PNEUMATIC VOLUME	ESS PANEL ME E REGULATOR	Q. NEW PIPING AND DUCT	E RESPONSIBLE FOR THE NNECTION OF THERMOSTATS.
TAPERED NOZZLE	CONE				ROOF VENT SCHEDULE CURB ROOF CURB CURBS SLOPED ROOF CURB		R. ALL ROOF WORK SHAL ARCHITECTURAL REQU	EW ELECTRICAL PANELS. L BE IN ACCORDANCE WITH JIREMENTS SO THAT ROOF
					MBD MOTORIZED BACKDF	RAFT DAMPER	S. ALL EQUIPMENT SHALL MAINTENANCE ACCES RECOMMENDATIONS.	. BE INSTALLED TO ALLOW FULL S PER MANUFACTURER'S
SEE Æ							T. PROVIDE BALANCE DA AND OUTSIDE AIR BRA WHETHER INDICATED	VPER ON ALL SUPPLY, EXHAUST, NCH DUCTS TO OUTLETS, IN PLANS OR NOT.
							U. INSULATE AND SEAL A V. MECHANICAL CONTRA TRANSITIONS TO ALL	L CAPPED DUCTS WHERE NOTED.
							W. LAB EXHAUST DUCT SH EXHAUST OR EQUAL F	IALL BE STAINLESS STEEL LAB OR CORROSION RESISTANT.
MOTOR COVER		-ACCESS DOOR						
	•							
A. 1/2"x1/8" 1/2"x1/8" 1/2"x1/8"	• •	MANUFACTURER ROOF MIXING BOX						
1/2"x1/8" 1/2"x3/16" 1/2"x3/16" x1/4"		REFER TO STRUCTURAL FO EXHAUST FAN ON STRUCTU PROVIDED BY OTHERS.	R MOUNTING OF RAL SUPPORT.					
R WILL BE								
(2) EXHAUS M301) SCALE: NOT TO	SCALE							
SUPPORT FROM MAIN OR BRANCH DUCT								
FLEXIBLE DUCT 5'-0" MAXIMUM LENGTH								
		SPIN-IN TAP	FLEXIBLE DUCT MAXIMUM 5'					
CONTROL VOLUME DAMPER	LINE METAL PLI FIT DIFFUS	D SHEET ENUM TO ER NECK						
EXTERNAL FLEXIBLE DUCTWORK ELBOW-								
			CEILING					
				G [/] R BRANCH DUCT				
SUPPLY DIFFUSER				-				
CEILING DIFFUSER DETAIL SCALE: NOT TO SCALE					-			
9 10	11	12	13	14	15	16		MECH
							Please consider the environ	ment before printing this.

TYPE	POINT	DESCRIPTION	UNITS	TREND	ALARM	TOTALIZE
AI	EH-T	ELECTRIC RE-HEATING LAT	DEG F	Х	Х	
AI	DA-T	DISCHARGE AIR TEMPERATURE	DEG F	Х	X	
AI	SAV-T	SUPPLY AIR VALVE - EAT	DEG F	Х	Х	
AI	OA-T	OUTSIDE AIR TEMPERATURE	DEG F	Х		
AI	SAV-F	SUPPLY AIR VALVE AIRFLOW	CFM	Х	X	
AI	EAV-F	EXHAUST VALVE AIRFLOW	CFM	Х	Х	
AI	EF-F	EXHAUST FAN AIRFLOW	CFM	Х	Х	
AI	DP-HL	DUCT PRESS. EXHAUST	In WC		Х	
DI	EF-S	EXHAUST FAN STATUS	OFF ON	Х	Х	X
DO	EF-C	EXHAUST FAN COMMAND	OFF ON	Х		
AO	EF-O	EXHAUST FAN VFD OUTPUT	%	Х		
AO	EH-O	ELECTRIC HEATING OUTPUT	%	Х		
AO	EAV-O	EXHAUST AIR VALVE OUTPUT	%	Х		
AO	RAV-O	RETURN AIR VALVE OUTPUT	%	Х		
AO	DAT-SP	DISCHARGE AIR TEMP SETPOINT	DEG F	Х		
AO	EAP-SP	EXHAUST AIR PRESS. SETPOINT	In WC	Х		

13	14	15	16	17	
				SHEET M	EYNOTE LEGEND
				1 PROVIDE POWER CONN TRANSFORMER. COORI WITH MECHANICAL CON 2 EXISTING FAN POWERE	PLAN HEX NOTES: IECTION TO AIR VALVE BOX POWER CONTROL DINATE EXACT LOCATION AND OTHER REQUIR ITRACTOR. D BOXES HAVE BEEN REMOVED AND REPLAC
				AIR VALVES. ELECTRIC/ POWERED BOX WILL BE ASSOCIATED WITH THE MECHANICAL CONTRAC	AL CIRCUIT FOR REHEAT COIL ASSOCIATED W E RE-USED FOR THE ELECTRIC REHEAT COIL AIR VALVE. COORDINATE EXACT LOCATION V TOR.
16	17				

15	16	17
		SHEET KEYNOTE LEGENI
145 A. THESE CHARMENTS. A. THESE CHARMENTS. B. ALL ELECTRICAL WORTHER DURATIONAL MODERNITS. B. ALL ELECTRICAL WORTHER DURATIONAL MAD CARACTERISTS. B. THET ALL LINES, SYSTEM SAND CONFERD CERTICICAL WORTHER DURATIONAL MAD CONSTRUCTION OF STRUCTS. B. TEST ALL LINES, SYSTEM SAND CONFERD CERTICICAL WORTHER DURATIONAL MAD CONSTRUCTION OF STRUCTS. B. TEST ALL LINES, SYSTEM SAND CONFERD CERTICICAL WORTHER DURATIONAL MAD CONSTRUCTION OF STRUCTS. B. TEST ALL LINES, SYSTEM SAND CONFERD CERTICICAL WORTHER DURATIONAL MAD CONSTRUCTION OF STRUCTS. B. CONSTRUCTION OF STRUCTS. B. ALL ELECTRICAL WORTHER DURATION OF STRUCTS. B. CONTRACTORS SAND CONSTRUCTION OF STRUCTS. B. CONTRACTORS SAND CONSTRUCTS. B. CONTRACTORS SAND CONSTRUCTS. B. CONTRACTORS SAND CONSTRUCTS. B. CONTRACTORS SA	146 16	 SCHEET CREATE CALL SCHEME SC

LE	
:	
: 100	
: N/A	
: 65 A	
LOAD DESCRIPTION	скт
EXISTING RECEPT'S ROOM 111	2
EXISTING RECEPT'S ROOM 111	4
EXISTING RECEPT'S ROOM 111	6
EXISTING RECEPT'S ROOM 111	8
EXISTING RECEPT'S ROOM 111	10
EXISTING RECEPT'S ROOM 111	12
EXISTING RECEPT'S ROOM 111	14
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EXISTING RECEPT'S ROOM 111	20
EXISTING RECEPT'S ROOM 111	22
EXISTING RECEPT'S ROOM 111	24
EXISTING RECEPT'S ROOM 111A	26
EXISTING RECEPT'S ROOM 111B	28
EXISTING RECEPT'S ROOM 111A	30
EXISTING CONTACTOR	32
SPARE	34
SPARE	36
	38
	40
	42

8	9 10		11	12		13	14		15	16		17		
									SHEET KE	YNOTE LEG	ΞNI			
									GENERA			GENE	RAL NOTES:	
							-	A.	SPECIAL SYSTEMS DRAW AND 28 SPECIFICATIONS I AND SPECIAL SYSTEMS S REQUIREMENTS.	WINGS. REFER TO DIVISION 26, 27 FOR ADDITIONAL ELECTRICAL SPECIFICATIONS AND	BB.	SYSTEM RACEWAYS A OWNER AND CABLING REFER TO ARCHITECT	ND PULL BOX LOCATIONS WITH CONTRACTOR.	THE
		I BREAI		NELBOAR GE: 480/277V 3Ph 4W	DSCH			В.	ALL ELECTRICAL WORK S THE 2017 NATIONAL ELEC THE LOCAL AHJ.	SHALL BE IN ACCORDANCE WITH CTRIC CODE AS ADOPTED BY	CC.	EXACT LOCATIONS OF REQUIREMENTS WITH NEUTRALS SHALL NOT	EQUIPMENT. COORDINATE EXA EQUIPMENT SUPPLIER. BE SHARED FOR ANY CIRCUIT,	CT
"HP2C" EXISTIING HP2C	FED BY: "HP2B MOUNTING: SURFA	" ACE	ENCLOSU MANUFACTUR PANEL TY	RE: NEMA 1 ER: SQUARE D PE: NF	BUS MCB MIN. AIC	RATING (A) : RATING (A) : N/A RATING (A) : 0 A		C.	CONTRACTOR SHALL SEC MEP PERMITS AND CERTI REQUIRED BY GOVERNMI RULES, OR REGULATIONS	CURE AND PAY FOR NECESSARY TIFICATES OF INSPECTION IENTAL ORDINANCES, LAWS, IS.	DD.	UNLESS SPECIFICALLY INSTALL ALL SWITCHB TRANSFORMERS, CON CONDUIT AND SUPPOF ROOMS IN A MANNER / THE INSTALLATION OF	NOTED ON PLANS. DARDS, PANELBOARDS, TACTORS, AND ASSOCIATED .T SYSTEMS IN THE ELECTRICAL ND LOCATION TO ACCOMMODA ALL FUTURE PANELBOARDS	, TE
CKT LOAD DESCRIPTION 1 EXISTING TERMINAL BOX HEATER 3 EXISTING TERMINAL BOX HEATER 5 EXISTING TERMINAL BOX HEATER	CIRCUIT CONFIGURATION VD% CB P 1 1 1 1	TYPE	B (TYPE P CB VD 1 1 1 1	K CIRCL CONFIGUE 	UIT RATION EXISTIN EXISTIN EXISTIN	DAD DESCRIPTION CKT NG TERMINAL BOX HEATER 2 NG TERMINAL BOX HEATER 4 NG TERMINAL BOX HEATER 6 NG TERMINAL BOX HEATER 6	D.	FINAL ACCEPTANCE OF W THE CONDITION THAT ALL APPARATUS, AND APPLIA SATISFACTORILY AS DES SHALL INCLUDE REQUIRE OF SYSTEMS AND CONTR REQUIRED PROGRAMMIN	WORK SHALL BE SUBJECT TO LL SYSTEMS, EQUIPMENT, ANCES OPERATE SIGNED AND INTENDED; WORK ED REPLACEMENT, ADJUSTMENT ROL EQUIPMENT AND ALL NG INSTALLED. PROVIDE FOR ALL		INDICATED IN THE DRA PANELBOARD LOCATIO FUTURE REQUIREMEN MAINTAIN SUFFICIENT INSTALLATION AS WEL WORKING SPACE, HEA SPACE, AND ANY OTHE	WINGS. COORDINATE THE FUT ONS AND THEIR ASSOCIATED IS WITH ALL OTHER DIVISIONS. PHYSICAL SPACE FOR THE FUT L AS THE NECESSARY CLEAR DROOM, DEDICATED EQUIPMEN R REQUIRED CLEARANCES.	JRE URE IT
 7 EXISTING TERMINAL BOX HEATER 9 EXISTING TERMINAL BOX HEATER 11 EXISTING TERMINAL BOX HEATER 13 EXISTING TERMINAL BOX HEATER 15 EXISTING TERMINAL BOX HEATER 17 SPARE 	1 1 1 1 1 1 1 1 1 1 20			1 1 1 1 0 1 20	 	EXISTI EXISTI EXISTI EXISTI EXISTI	NG TERMINAL BOX HEATER8NG TERMINAL BOX HEATER10NG TERMINAL BOX HEATER12NG TERMINAL BOX HEATER14NG TERMINAL BOX HEATER16SPARE18	E.	WORK INDICATED ON DRA IMPLIED. TEST ALL LINES, SYSTEM ARE INSULATED, PAINTEL CONSTRUCTION OR BACK WATER, ELECTRICITY, MA EQUIPMENT REQUIRED FO DEFECTS, AND MATERIAL	AWINGS OR AS REASONABLY MS, EQUIPMENT BEFORE THEY ED, OR CONCEALED BY KFILLING. PROVIDE FUEL, ATERIALS, LABOR, AND FOR TESTS. REPAIR OR REPLACE LS FAILURES REVEALED BY	EE.	PROVIDE FINAL CONNE ASSOCIATED CONTRO EQUIPMENT. COORDIN WITH THE ELEVATOR E ANY ROUGH-IN. COORI EQUIPMENT, RECEPTA ELEVATOR SHAFT, PIT ELEVATOR EQUIPMENT	CTION OF POWER AND CIRCUITS FOR ALL ELEVATOR ATE ALL WIRING REQUIREMENT QUIPMENT PROVIDER PRIOR TO DINATE EXACT LOCATION OF ALL CLES AND WIRING DEVICES IN T AND MACHINE ROOM WITH THE SUPPLIER PRIOR TO ANY ROU	S) L THE GH-
19 SPARE 21 SPARE 23 EF1 25 27	20 1 20 1 3#12, #12G, 3/4" 0.62% 20 3	0 0 ////////////////////////////	Image: 0 Image: 0 0 0 2921 2921 2921 1	1 20 1 20 2921 3 20 0.43	 % 3#12, #12(2G, 3/4"	SPARE 20 SPARE 22 EF2 24 26 28	F.	TESTS AND THEN RETEST REPAIRS WITH NEW MATH PROVIDE NECESSARY MA FOR INSTALLATION OF FIX REQUIRED FOR COMPLET AS NOTED ON DRAWINGS	ATERIALS AND ACCESSORIES IXTURES, EQUIPMENT, ETC AS IXTURES, EQUIPMENT, ETC AS IXTORES, EQUIPMENT, ETC AS ITE AND FUNCTIONAL OPERATION S OR IN NOTES.	FF.	IN. WIRE SIZE INDICATED SHALL BE CARRIED TH CONNECTION AT EQUI CIRCUIT TO EQUIPMEN CLARITY BUT IS THE R	BY BRANCH CIRCUIT AT HOMER ROUGHOUT THE CIRCUIT TO FIN PMENT. FINAL EXTENSION OF T MAY NOT BE SHOWN FOR ESPONSIBILITY OF THE ELECTRI	UN JAL ICAL
29 EF3 31 33 35 37	3#12, #12G, 3/4" 0.33% 20 3	2018 2018	2018 2018				30 32 34 36 38 40	G. H.	ACCESS PANELS SHALL E NECESSARY TO PROVIDE BOXES, ETC., LOCATED IN ALL EQUIPMENT, FIXTURE INSTALLED IN NEAT, PRO ACCORDANCE WITH MAN	BE PROVIDED WHEREVER E ACCESS TO VALVES, JUNCTION IN CONCEALED SPACES. RES, MATERIALS, ETC SHALL BE DFESSIONAL MANNER IN NUFACTURER	GG.	CONTRACTOR FOR FIN AT ALL FAN COIL UNITS BE RESPONSIBLE FOR OF POWER FROM THE CONDENSATE PUMPS AUXILIARY DRAIN PANS TAPPED DOWNSTREAT	AL CONNECTION. 6, ELECTRICAL CONTRACTOR SI- MAKING THE FINAL CONNECTIO FAN COIL CIRCUIT TO ANY DR FLOAT SWITCHES INSTALLEI 8. POWER WIRING SHOULD BE 4 OF THE EQUIPMENT DISCONNI 2004/ED AD DISCONNICTOR AT T	IALL N D IN ECT
41		LOAD 7861 VA	7861 VA 786	1 VA	CALCU	JLATED PANEL AI	42 MPS:	Ι.	THE CONTRACTOR SHALL COORDINATE ALL OUTAG OFF OF SERVICES.	L CONTACT THE OWNER AND GES 5 DAYS PRIOR TO ANY SHUT-		SWITCH SO THAT ALL I UNIT WHEN THE SWITC COORDINATE ALL ROU MECHANICAL CONTRA MANUFACTURER PRIO	COWER IS DISCONNECTED AT THE CH IS IN THE 'OFF' POSITION. GH-IN REQUIREMENTS WITH TH CTOR AND EQUIPMENT R TO ANY ROUGH-IN.	E
NOTES/ACCESSORIES:	*PHASE DIVERSIFIED	AMPS 31 A	31 A 31	A (*DIVERSIFIE	D LOADS CALCUL	31 A LATED PER THE N PANEL TOTAL TED LOAD: 23584	ATIONAL ELECTRIC CODE.) S VA	J.	PROVIDE ALL FIRE RATEE REPAIR FOR ALL FIRE RATE OPENINGS SHALL BE SEA MANNER. PROVIDE SLEE SCOPE OF WORK.	D MATERIAL FOR PATCH AND ATED ASSEMBLIES. ALL ALED AND CLOSED IN APPROVED EVE WHERE NEEDED DUE TO	HH.	REFER TO THE MECHA LOCATIONS AND QUAN EQUIPMENT AND FIRE/ LOCATIONS AND QUAN DRAWINGS ARE APPR FINAL POSITION OR QU	NICAL DRAWINGS FOR EXACT TITY OF ALL MECHANICAL SMOKE AND/OR SMOKE DAMPEI TITY SHOWN ON THE ELECTRIC XIMATE AND MAY NOT REFLEC ANTITY. ELECTRICAL CONTRAC	RS. AL T TOR
					TOTAL DIVERSIF	FIED LOAD: 25775	VA	L.	THE CONTRACTOR SHALL CONDITIONS PRIOR TO SI WILL BE PAID DUE TO UN CONDITIONS. THE CONTRACTOR SHALL WORK WITH REGARD TO BUILDING.	L VERIFY ALL EXISTING SUBMITTING BID. NO EXTRAS VANTICIPATED EXISTING L SCHEDULE AND EXECUTE ALL THE OWNER'S USE OF THE		SHALL PROVIDE FINAL EQUIPMENT. WHERE E MECHANICAL PLANS, E ELECTRICAL PLANS, E PROVIDE POWER TO T EQUIPMENT REQUIREN THE BASE BID. LOCATI CONNECTION TO MECH	CONNECTION TO ALL MECHANI QUIPMENT IS SHOWN ON THE UT NOT SHOWN ON THE ECTRICAL CONTRACTOR SHALI HE EQUIPMENT BASED ON IENTS AND INCLUDE ALL COSTS ON SHOWN OF ELECTRICAL IANICAL EQUIPMENT IS SCHEM/	- 3 IN ATIC
								M.	PLANS ARE DIAGRAMMAT REFER TO ARCHITECTUR DIMENSIONS. a. REFER TO ARCH TYPICAL ROOM I COORDINATE EX	TIC AND SHALL NOT BE SCALED. RAL DRAWINGS FOR HITECTURAL DRAWINGS FOR INTERIOR ELEVATIONS. XACT DEVICE L OCATIONS AND		AND MAY NOT REFLEC ROUGH-IN AND CONNE PER THE EQUIPMENT I AND THE NATIONAL EL STRUCTURAL SUPPOR OF DISCONNECTING M REQUIREMENTS WITH AND FOUIPMENT MANI	T ACTUAL CONNECTION POINTS CTION TO EQUIPMENT SHALL BI IANUFACTURER'S REQUIREMEN ECTRICAL CODE. PROVIDE TS AS REQUIRED FOR MOUNTIN EANS. VERIFY ALL ROUGH-IN THE MECHANICAL CONTRACTOF IFACTURER PRIOR TO ANY ROU	ITS G R
									b. COORDINATE AL ROUGH-IN. b. COORDINATE AL SHOWN AT MILL MILLWORK CON CONTRACTOR P INSTALLATION. A	CHTS WITH ARCHITECT PRIOR TO LL WIRING DEVICE LOCATIONS WORK LOCATIONS WITH THE ITRACTOR AND GENERAL PRIOR TO ANY ROUGH-IN OR ALL WIRING DEVICES SHALL BE COESSIBLE LOCATIONS AND	Π.	IN. PROVIDE CONTACTOR ALARM FAN SHUT DOW INTERLOCK WITH THE POWERED BOX OR FAI POWER TO THE UNIT L AREA SMOKE DETECT	IN A NEMA 1 ENCLOSURE AND F IN RELAY/CONTROL MODULE AN FIRE ALARM SYSTEM AT EACH F N TERMINAL UNIT TO SHUT OFF PON DETECTION OF SMOKE BY ON SYSTEM OF BY THE DUCT	IRE ID AN-
								N. O.	SHALL NOT BE C PROVIDE PULL BOXES AS INSTALL THE RACEWAYS ALL EMPTY CONDUITS SH PROOF PULL-TAPE, LABE	SCONCEALED. S REQUIRED TO PROPERLY S AND CIRCUITS INDICATED. HALL BE PROVIDED WITH ROT- ELED AT EACH END. ALL		DETECTOR IN THE RET HANDLING UNIT. LOCA ADJACENT TO EACH FA FIRE ALARM CONTRAC AND CONTROL. REFER POWER PLANS FOR CO QUANTITY. REFER TO S	URN AIR OF THE ASSOCIATED A TE CONTACTOR ABOVE THE CEI IN COIL UNIT. COORDINATE WIT TOR FOR PROPER COIL VOLTAGE TO MECHANICAL SCHEDULES A INTACTOR AMPACITY AND POLE IPECIAL SYSTEMS PLANS FOR	IR LING H ₩ ND E
								Ρ.	SEAL ALL PENETRATIONS ASSEMBLIES AS NECESS, RESISTANCE RATING OF ARCHITECTURAL PLANS / RATED ASSEMBLIES, FIRE	STHROUGH FIRE-RATED SARY TO RESTORE FIRE- ASSEMBLY. REFER TO AND SPECIFICATIONS FOR RE STOPPING MATERIALS, AND	JJ.	SUPPORTS, CONDUIT, WITH EXPOSED STRUC MATCH ADJACENT FIN	BOXES, ETC. INSTALLED IN ARE TURE SHALL BE PAINTED TO SHES.	AS
								Q.	REQUIREMENTS. EACH CONTRACTOR AND SHALL REVIEW THE BID D INCLUDING ALL OTHER TF PROVIDE ANY MISC. ITEM REQUIRED TO COMPLETE BID DOCUMENTS. THIS RE TRADES. STRUCTURAL, M PLUMBING, EQUIPMENT V AND RELATED WORK ARE BID DOCUMENTS AND SH. SPECIFIC MEP. STRUCTU	D SUB-CONTRACTOR OR TRADE DOCUMENTS AS A WHOLE, 'RADES' DRAWINGS AND MS, MATERIALS, WORK, ETC. E THE WORK AS SHOWN ON ALL EQUIREMENT APPLIES TO ALL MECHANICAL, ELECTRICAL, VENDORS, ETC. REQUIREMENTS IE INDICATED THROUGHOUT THE HALL BE REVIEWED WITH THE JRAL, ARCHITECTURAL, AND				
								R.	EQUIPMENT DRAWINGS F ELECTRICAL CONTRACTO CONNECTION TO ALL MEO EQUIPMENT IS SHOWN OI NOT SHOWN ON THE ELE CONTRACTOR SHALL PRO EQUIPMENT BASED ON EO INCLUDE ALL COSTS IN TI a. LOCATION SHOW CONNECTION TO SCHEMATIC AND CONNECTION PO CONNECTION TO	FOR OVERALL SCOPE OF WORK. OR SHALL PROVIDE FINAL CHANICAL EQUIPMENT. WHERE DN THE MECHANICAL PLANS, BUT ECTRICAL PLANS, ELECTRICAL OVIDE POWER TO THE EQUIPMENT REQUIREMENTS AND IFHE BASE BID. WN OF ELECTRICAL O MECHANICAL EQUIPMENT IS D MAY NOT REFLECT ACTUAL OINTS. ROUGH-IN AND O EQUIPMENT SHALL BE PER THE				
									EQUIPMENT MAN AND THE NATION PROVIDE STRUC REQUIRED FOR MEANS. VERIFY WITH THE MECH EQUIPMENT MAN ROUGH-IN.	NUFACTURER'S REQUIREMENTS NAL ELECTRICAL CODE. CTURAL SUPPORTS AS MOUNTING OF DISCONNECTING ALL ROUGH-IN REQUIREMENTS HANICAL CONTRACTOR AND NUFACTURER PRIOR TO ANY				
					PANEL "PP2A"	PANEL "LP2A"	PANEL "HP2A"	S.	PROVIDE FINAL CONNECT INCLUDING ANY CORD AN NOT PROVIDED WITH IT (OR NOT). COORDINATE AI SUPPLIER AND OWNER; A LOCATIONS AND REQUIRI IN.	TION TO ALL EQUIPMENT, ND PLUG SETS FOR EQUIPMENT WHETHER SPECIFICALLY NOTED ALL WORK WITH THE EQUIPMENT AND VERIFY ALL ROUGH-IN REMENTS PRIOR TO ANY ROUGH-				
								т.	THERMOSTATS AND ALL / CONTROL WIRING SHALL BY THE HVAC CONTRACT CONTRACTOR SHALL FUF NECESSARY CONDUIT, BO INSTALLATION OF THERM CONTRACTOR SHALL BE	ASSOCIATED LOW VOLTAGE BE SUPPLIED AND INSTALLED TOR. THE ELECTRICAL RNISH AND INSTALL THE COXES, ETC. FOR THE MOSTATS. THE HVAC RESPONSIBLE FOR THE				
					PANEL "PP1A"	PANEL "LP1A"	PANEL "HP1A"		INSTALLATION AND CONN AND ALL CONTROL WIRIN PLANS FOR THERMOSTAT a. PROVIDE BACK I ACCESSIBLE CE DIVISION 23 WAL FOR BUILDING A COORDINATE EX BEOLUREMENTS	NECTION OF THE THERMOSTATS NG. REFER TO MECHANICAL IT LOCATIONS. BOX AND CONDUIT TO EILING AS REQUIRED FOR THE ALL MOUNTED CONTROL DEVICES AUTOMATION SYSTEM DEVICES. XACT LOCATIONS AND OTHER SWITH MECHANICAL DRAWINGS				
									AND THE TEMPE CONTRACTOR P THERMOSTATS, STATIC PRESSU ETC. SHALL BE II ELEVATION AS T REQUIRED OTHE	ERATURE CONTROLS PRIOR TO ROUGH-IN. , TEMPERATURE SENSORS, JRE SENSORS, HUMIDISTATS, INSTALLED AT THE SAME THE LIGHT SWITCHES UNLESS ERWISE.				
								U. V.	PROVIDE UNSWITCHED/U NEAREST CIRCUIT TO EXI FIXTURES WITH INTEGRA	UNCONTROLLED HOT FROM (IT SIGNS AND EMERGENCY AL BATTERIES.				
									UTILITY COMPANY AND AI SERVICE AS INDICATED C COSTS, CHARGES, FEES, COMPANY INTO BID. PRO REQUIRED BY LOCAL AUT SERVICE INSTALLATION. ACCORDANCE WITH THE	ARRANGE FOR ELECTRICAL ON DRAWINGS. INCLUDE ALL 6, ETC. INCURRED BY UTILITY OVIDE ALL MATERIALS AS THORITIES FOR ELECTRIC ALL WORK SHALL BE IN E REQUIREMENTS OF LOCAL				
					>			w.	AUTHORITIES. PROVIDE A SEPARATE CC GROUND CONDUCTOR IN CONTAINING LINE VOLTAG	ODE SIZED GREEN EQUIPMENT NALL CONDUITS AND RACEWAYS AGE CIRCUITS (120V OR HIGHER). TEMS SHEETS FOR				
		"РРВА"			>			Y.	APPROXIMATE LOCATION NURSE CALL, ETC. DEVIC ALL ELECTRICAL EQUIPM DEVICES. PROVIDE ALL RACEWAYS	NS OF ALL DATA, TELEPHONE, TV, CES. COORDINATE LOCATION OF MENT WITH SPECIAL SYSTEMS S, SLEEVES, BOXES, CABLE				
									DATA, PHONE, TV CABLIN REQUIREMENTS WITH OV CONTRACTOR.	VI ON THE OWNER PROVIDED NG SYSTEM. COORDINATE EXACT WNER AND OWNER CABLING				

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