	MECHANICAL GENERAL NOTES		
	 1.1 SCOPE OF WORK: THESE DRAWINGS AND SPECIFICATIONS DESCRIBE THE SCOPE OF WORK REQUIRED FOR PROJECT MECHANICAL HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL REQUIRED FOR COMPLETE, FULLY FUNCTIONING MECHANICAL SYSTEMS COMPLYING WITH THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. 	1.15 ELECTRICAL WORK A. PERFORM ELECTR PROJECT ELECTR EQUIPMENT NOT S CONTRACTOR IN T	RICAL WORK FOR MECHANICAL EQUIPMENT IN C ICAL REQUIREMENTS. ELECTRICAL WORK FOR N SPECIFICALLY INDICATED TO BE PROVIDED BY T FHE ELECTRICAL DRAWINGS AND SPECIFICATIO
Ы	1.2 CONTRACTOR: THE WORD "CONTRACTOR" AS USED HEREIN SHALL MEAN THE HVAC INSTALLER UNLESS OTHERWISE QUALIFIED.	PROJECT SHALL B HIS WORK.	E FURNISHED BY THE MECHANICAL CONTRACT
	 1.3 DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTALLATION. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES TO OBTAIN FULLY FUNCTIONING HVAC SYSTEMS. 1.4 CODE COMPLEMENTS: COMPLEX WITH THE LATEST EDITIONS OF THE FOLLOWING 	IN DRAWING MECH BY THE MECHANIC CHARACTERISTIC COORDINATED WI ELECTRICAL INST/	ANICAL EQUIPMENT SCHEDULES. ANY EQUIPMI CAL CONTRACTOR WHICH DOES NOT MATCH THIS INDICATED IN THE DRAWING SCHEDULES SHA TH THE ELECTRICAL CONTRACTOR. ANY ADDITI ALLATION REQUIRED FOR EQUIPMENT NOT MAT
	STANDARDS AND CODES, INSOFAR AS THEY APPLY:	C. LOW VOLTAGE CO	NTROL WIRING FOR MECHANICAL SYSTEMS SH
	A. NORTH CAROLINA STATE BUILDING CODE, LATEST EDITION AND REVISIONS	FURNISHED BY TH	
	CODES WHETHER INDICATED ON DRAWINGS OR NOT. NOTIFY ENGINEER OF DISCREPANCIES BETWEEN DRAWINGS AND CODES PRIOR TO BEGINNING WORK.	MECHANICAL EQUIPME APPROVAL BY THE EN	ENT AND MATERIALS INCLUDING GRILLES AND D GINEER. CLEARLY IDENTIFY ALL ITEMS.
	1.5 PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AND PAY FOR SAME. FURNISH A FINAL CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE OF THE WORK.	1.17 OPERATING AND MAIN COMPLETE OPERATING INCLUDING NECESSAR DIAGRAMS, FINAL AS-E DELIVER TO THE OWN	TENANCE MANUALS: SUBMIT A, ELECTRONIC ON G AND MAINTENANCE INSTRUCTIONS FOR ALL E Y CUT SHEETS, CHARTS, WRITTEN INSTRUCTIO BUILT DRAWINGS WITH BALANCED AIRFLOWS IN ER PRIOR TO BUILDING OCCUPANCY. IN ADDITIC
	1.6 MANUFACTURER'S RECOMMENDATIONS: INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	FOLDER WITH TYPICAL INSIDE THE MECHANIC INCLUDE A COMPLETE	"OWNER'S INSTRUCTIONS" AND "MAINTENANCE AL EQUIPMENT AS APPLICABLE. THE FOLDER SI STARTUP LOG FOR THE EQUIPMENT.
	1.7 WORKMANSHIP: UTILIZE SKILLED MECHANICS TO OBTAIN A HIGH-QUALITY PROFESSIONAL FINISH INSTALLATION WHEN COMPLETED. WORK OF UNACCEPTABLE QUALITY SHALL BE REMOVED AND REWORKED AT NO ADDITIONAL COST. ENGINEER SHALL BE THE JUDGE OF WORKMANSHIP AND THEIR OPINION WILL BE FINAL. IN ADDITION, ANY EXISTING CONSTRUCTION DAMAGED BY THE CONTRACTOR SHALL BE	1.18 RECORD DRAWINGS: M AT ALL TIMES AND PRO 1.19 WARRANTY: WARRANT	IAINTAIN ONE SET OF "RED-LINED" RECORD DRA DVIDE DRAWINGS TO ENGINEER PRIOR TO FINAL
	REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT NO ADDITIONAL COST.	DRAWINGS AND SPECI ACCEPTANCE BY THE THAT MAY PROVE TO D	FICATIONS FOR A PERIOD OF ONE YEAR FROM OWNER. REPAIR AND/OR REPLACE ANY PARTS BE DEFECTIVE AT NO ADDITIONAL COST TO THE
С	 SOPERVISION: PROVIDE SKILLED SOPERINTENDENTS TO SOPERVISE THE WORK FROM THE BEGINNING TO COMPLETION AND FINAL INSPECTION. PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND 	COMPRESSORS. FURN EQUIPMENT. WARRAN OWNER.	IISH WARRANTY CERTIFICATES FOR ALL AIR CO IISH WARRANTY CERTIFICATES FOR ALL MECHA TY TO COMMENCE UPON DATE OF ACCEPTANCE
	REQUIREMENTS OF THE OWNER. UNDER NO CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.	1.20 EXISTING BUILDINGS A	ND CONSTRUCTION
	1.10 COORDINATION: COORDINATE MECHANICAL WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. LAYOUT MECHANICAL WORK SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADES. VERIFY ACTUAL BUILDING STRUCTURE PRIOR TO DUCT FABRICATION AND ADJUST ARRANGEMENT AS REQUIRED. INCLUDE ALL OFFSETS	A. WORK UNDER THI BUILDING LAYOUT DOCUMENTS AND DESCRIBING THE REQUIRED TO SUI	S CONTRACT IS TO BE PERFORMED IN AN EXIST INDICATED IS DEVELOPED FROM EXISTING REC LIMITED FIELD VERIFICATION FOR THE PURPOS WORK. VERIFY ALL EXISTING CONDITIONS AND A T ACTUAL FIELD CONDITIONS.
	1.11 EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS	B. PERFORM ALL WO	RK IN ACCORDANCE WITH SAFETY REGULATION
	TO PROVIDE BEST ARRANGEMENT AND TO FACILITATE PROPER MAINTENANCE AND SERVICING OF EQUIPMENT. 1.12 LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR	C. DO NOT CUT ANY INSTRUCTIONS FR FINISHES AS REQU	STRUCTURAL MEMBERS WITHOUT EXPRESS WE OM ENGINEER. PROVIDE CUTTING AND PATCHII JIRED.
	OTHER APPROVED TESTING AGENCY WHERE REQUIRED. 1.13 STORAGE SPACE: CONSULT WITH THE OWNER REGARDING JOB SITE STORAGE FOR	D. COORDINATE INST BUILDING SYSTEM INTERFERENCES.	TALLATION OF NEW MECHANICAL SYSTEMS WITH IS. ADJUST ARRANGEMENTS AS REQUIRED TO A
	MECHANICAL MATERIALS TO BE INSTALLED UNDER THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB BEFORE ANY MATERIAL MAY BE RECEIVED.	E. CONTRACTOR SHA PRESERVATION O REQUIRED DURIN	ALL BE RESPONSIBLE FOR THE REMOVAL, PROT F EXISTING CEILING GRID AND ASSOCIATED CO
	1.14 CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN, REPLACE OR REPAIR ALL SURFACES SOILED OR DAMAGED DURING THE COURSE OF THE WORK. <u>REMOVE DEBRIS DAILY SO TO</u> <u>MAINTAIN SAFE WORKING CONDITIONS. USE OF NHC DUMPSTERS IS PROHIBITED.</u>	AND SUSPENSION THE REPLACEMEN THROUGHOUT TH	OF ALL ELEMENTS THAT ARE TO REMAIN. ALL I IT SCOPE SHALL BE FULLY PROTECTED AND MA E DURATION OF WORK.
	MECHANICAL SUMMARY	MECHANICAL	LEGEND
В	MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT		CEILING EXHAUST AIR GRILLE
	CLIMATE ZONE 3A - WARM/HUMID		CEILING RETURN AIR / TRANSFER AIR GRILI
	WINTER DRY BULB: 23 °F	K	CEILING SUPPLY AIR DIFFUSER / GRILLE
	SUMMER DRY BULB 93 °F	(X)C	CONDENSATE PIPING - EXISTING
	INTERIOR DESIGN CONDITIONS WINTER DRY BULB 70 °F	- AIR TYPE DESIGNATOR	DIFFUSER / REGISTER / GRILLE TAG
	RELATIVE HUMIDITY 60% RH*	AIRFLOW, CFM	EXTENT OF DEMOLITION
	*DESIGN- NOT CONTROLLED	·/////.	INDICATES TO DEMOLISH
	BUILDING COOLING LOAD:628.6MBH		MANUAL VOLUME DAMPER
	UNITARY	NG	NATURAL GAS PIPING
	DESCRIPTION OF UNIT: SEE SCHEDULES	(X)NG	NATURAL GAS PIPING - EXISTING
	HEATING EFFICIENCY: SEE SCHEDULES	R	REFRIGERANT LINE-SET PIPING
	SIZE CATEGORY OF UNIT: SEE SCHEDULES	(X)R	REFRIGERANT LINE-SET PIPING - EXISTING
			RETURN, EXHAUST OR TRANSFER AIR FLOV
	SIZE CATEGORY, IF OVERSIZED STATE REASON: N/A CHILLER		SUPPLY AIR FLOW THERMOSTAT / TEMPERATURE SENSOR
	SIZE CATEGORY, IF OVERSIZED STATE REASON: N/A	Ē	T-STAT / HUMIDISTAT OR TEMP/HUMIDITY S
A	LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES	NOTE: ALL ITEMS LISTED MA	Y NOT BE USED IN THIS PROJECT.
		PHASING NOTE	ES
	CONTINGENCY NOTES	1. THE EXISTING FACILITIE	ES WILL REMAIN OCCUPIED BY THE STAFF THRO
	1. CONTRACTOR SHALL INCLUDE A CONTINGENCY IN THE BUDGET TO ADDRESS ANY UNFORESEEN CONDITIONS THAT MAY ARISE DURING DEMOLITION, ESPECIALLY WITHIN RATED OR NON-RATED WALLS. LIMITED ACCESS AREAS MAY REVEAL HIDDEN ELEMENTS ONCE DEMOLITION BEGINS AND THESE MUST BE ACCOMMODATED WITH	PROJECT. AS SUCH, WO EFFORT BY THIS CONTE MANNER. ALL WORK SH GENERAL CONTRACTO OWNER'S/TENANT'S US SEQUENCE OF THE GET	DRK WILL BE DONE IN PHASES AND WILL REQUIF RACTOR TO ALLOW THE WORK TO PROCEED IN A IALL BE COORDINATED WITH THE OWNER/TENAN R SO AS TO MINIMIZE DISRUPTION OF THE E OF THE FACILITIES AND MAINTAIN THE CONST NERAL CONTRACTOR
	MINIMAL IMPACT TO THE PROJECT SCHEDULE.		

- 1

	ABBREVIATIONS
AND SPECIFICATIONS	TERM
A COMPATIBLE AND	
TWORK, SUPPORTS,	
S. ALL ITEMS TO BE	ABOVE SEA LEVEL
CONTRACTOR SHALL	ACROSS THE LINE
E AFFECTED AREAS	
	AIR-HANDI ING UNIT
G OF MECHANICAL	AIR FLOW MEASURING STATION
RACTOR SO AS TO	AMBIENT
	AMPERE (AMP, AMPS)
IONS CONCERNING	
	ANALOG OUT OT
STING MECHANICAL	APPARATUS DEW POINT
NAL AND RELIABLE	APPROXIMATE
TIFY ENGINEER OF	ARCHITECT
	AVERAGE
. REMAIN UNLESS	BRAKE HORSEPOWER
	BROWN & SHARPE WIRE GAGE
Y THE OWNER, ALL	
ND DISPOSED OF	1000 BRITISH THERMAL UNIT
	BUILDING
	BUILDING AUTOMATION SYSTEM
FOR MECHANICAL WALLS REFER TO	CELSIUS
IONS FOR SPECIFIC	
	CHILLED WATER SUPPLY COFFFICIENT VALVE FLOW
OWNER'S AS-BUILT	COEFFICIENT OF PERFORMANCE FAC
G CONDITIONS FOR	COMPRESSOR
NS AFFECTING HIS	CONDENS(-ER, -ING, -ATION)
AREAS TO SERVE	COOLING LOAD
OR BE SUITABLY	CUBIC FEET
ION. ADVISE THE	
JVERED DEFUKE	CUBIC FEET PER MINUTE
	DECIBEL
PUBLIC ADDRESS	DEGREE
UTDOWNS ARE	DEDICATED OUTDOOR AIR SYSTEM
URATION OF A	DEGREES FAHRENHEIT
	DIAMETER
S ALL EXISTING	DIAMETER, INSIDE
JUD JUWE	DIAMETER, OUTSIDE
DITIONS ARE	
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULAT
CLEAN AIR ACT	DRY-BULB TEMPERATURE
EMOVING AIR	DUCTLESS SPLIT SYSTEM AIR HANDL
	ENERGY EFFICIENCY RATING
AGED CLASS I	EFFICIENCY
TERIALS AND	ELECTRIC UNIT HEATER
	ELEVATION
	ENTERING ENTERING WATER TEMPERATURE
	ENTERING AIR TEMPERATURE
	EXISTING
	EXTERNAL AMBIENT TEMPERATURE
ES	EXTERNAL STATIC PRESSURE
	EXHAUST FAN
RANT, THEN THE	FACE VELOCITY
FOR REUSE OR	FAHRENHEIT
CIAN.	
ERVED.THE LINE	
URE, VENTED TO R. OR INERT GAS	FLOOR
, ON INCINE ONO	FOOT OR FEET
	FRESH AIR
RY ACT (RCRA).	FULL LOAD AMPS
COCEDURES FOR	GALLONS
	GALLONS PER HOUR
	GALLONS PER MINUTE
	GRAINS
	HEAD
DTES	
	HEAT EXCHANGER
OTES T OF THEIR CONSTRUCTION.	HEAT EXCHANGER HEATING AND VENTILATION UNIT
OTES T OF THEIR CONSTRUCTION. STORED UPON	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON
OTES ST OF THEIR E CONSTRUCTION. ESTORED UPON CHED IN PRESERVE RATED	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERT7
OTES ST OF THEIR CONSTRUCTION. STORED UPON CHED IN RESERVE RATED EDURES AS	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE
OTES T OF THEIR CONSTRUCTION. STORED UPON HED IN RESERVE RATED DURES AS TERIOR -TIGHT ENVELOPE.	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE HIGH-PRESSURE STEAM
OF THEIR CONSTRUCTION TORED UPON IED IN ESERVE RATED DURES AS ERIOR FIGHT ENVELOPE. THE DESIGN	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE HIGH-PRESSURE STEAM HORSEPOWER, HEAT PUMP
OTES T OF THEIR CONSTRUCTION. STORED UPON HED IN RESERVE RATED DURES AS TERIOR -TIGHT ENVELOPE. THE DESIGN S.	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE HIGH-PRESSURE STEAM HORSEPOWER, HEAT PUMP HOT WATER COIL
TES F THEIR INSTRUCTION. DRED UPON D IN SERVE RATED RES AS RIOR SHT ENVELOPE. E DESIGN	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE HIGH-PRESSURE STEAM HORSEPOWER, HEAT PUMP HOT WATER COIL HOUR(S) HUMDITY, DELATIVE
ES THEIR STRUCTION. ED UPON N RVE RATED ES AS DR T ENVELOPE. DESIGN	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE HIGH-PRESSURE STEAM HORSEPOWER, HEAT PUMP HOT WATER COIL HOUR(S) HUMIDITY, RELATIVE INTEGRATED PART LOAD VALUES
OF THEIR DNSTRUCTION. DRED UPON D IN SERVE RATED JRES AS RIOR GHT ENVELOPE. IE DESIGN	HEAT EXCHANGER HEATING AND VENTILATION UNIT HEATING, VENTILATION AND AIR CON HEIGHT HERTZ HIGH DENSITY POLYPROPYLENE HIGH-PRESSURE STEAM HORSEPOWER, HEAT PUMP HOT WATER COIL HOUR(S) HUMIDITY, RELATIVE INTEGRATED PART LOAD VALUES NOTE: ALL ABBREVIATIONS MAY NOT

EQUIPMENT IN COMPLIANCE WITH RICAL WORK FOR MECHANICAL E PROVIDED BY THE ELECTRICAL ND SPECIFICATIONS FOR THIS ANICAL CONTRACTOR AS PART OF

RICAL CHARACTERISTICS INDICATED LES. ANY EQUIPMENT FURNISHED ES NOT MATCH THE ELECTRICAL SCHEDULES SHALL BE CTOR. ANY ADDITIONAL COSTS FOR JIPMENT NOT MATCHING THE MECHANICAL CONTRACTOR.

CAL SYSTEMS SHALL BE

2

DESCRIPTIVE DATA FOR NG GRILLES AND DAMPERS FOR ALL ITEMS.

A, ELECTRONIC ONLY, COPY OF THE CTIONS FOR ALL EQUIPMENT, TTEN INSTRUCTIONS, WIRING CED AIRFLOWS INDICATED, ETC. PANCY. IN ADDITION, AFFIX A ND "MAINTENANCE INFORMATION" LE. THE FOLDER SHALL ALSO PMENT.

NED" RECORD DRAWINGS ON SITE ER PRIOR TO FINAL INSPECTION.

MANSHIP COVERED BY THESE ONE YEAR FROM THE DATE OF LACE ANY PARTS OF ANY SYSTEM NAL COST TO THE OWNER WITHIN ITY FOR ALL AIR CONDITIONING S FOR ALL MECHANICAL E OF ACCEPTANCE OF WORK BY

RMED IN AN EXISTING BUILDING. ROM EXISTING RECORD FOR THE PURPOSES OF CONDITIONS AND ADJUST WORK AS

FETY REGULATIONS.

HOUT EXPRESS WRITTEN TING AND PATCHING FOR EXISTING

AL SYSTEMS WITH EXISTING AS REQUIRED TO ACCOMMODATE

E REMOVAL, PROTECTION, AND ASSOCIATED COMPONENTS AS R MUST ENSURE PROPER SUPPORT E TO REMAIN. ALL ITEMS OUTSIDE ROTECTED AND MAINTAINED

ILLE ANSFER AIR GRILLE USER / GRILLE ISTING RILLE TAG (ISTING PIPING

ANSFER AIR FLOW TURE SENSOR TEMP/HUMIDITY SENSOR

ECT.

THE STAFF THROUGHOUT THE AND WILL REQUIRE SPECIAL TO PROCEED IN A TIMELY HE OWNER/TENANTS AND ION OF THE NTAIN THE CONSTRUCTION

2

MECHANICAL DEMOLITION NOTE

3

- . THE MECHANICAL CONTRACTOR SHALL REVIEW THE DRAWING FOR DEMOLITION REQUIREMENTS AND LAYOUT HIS WORK COMPLEMENTARY MANNER. REMOVE ALL EQUIPMENT, D CONTROLS, ACCESSORIES, ETC ..., AND MECHANICAL ITEMS THESE ALTERATIONS AS SHOWN IN THE MECHANICAL DRAW REMOVED OR MODIFIED MAY NOT BE SHOWN, HOWEVER, TH REMOVE ANY MECHANICAL WORK AS REQUIRED BY THE DIRECTED BY THE OWNER OR THE ENGINEER. SURVEY BEFORE SUBMITTING A BID.
- 2. SCHEDULING OF DEMOLITION COORDINATE SCHEDUL DEMOLITION WORK WITH THE OWNER AND GENERAL CO MINIMIZE DISRUPTION OF THE OWNER'S USE OF THE FACILIT CONSTRUCTION SEQUENCE OF THE GENERAL CONTRACTOR DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INSTRU PHASING AND SEQUENCE OF WORK.
- B. EXISTING MECHANICAL SYSTEMS VERIFY CONDITION OF SYSTEMS TO BE REUSED SO THAT COMPLETE, FULLY OPERA SYSTEMS ARE OBTAINED AT THE COMPLETION OF THE WORK ANY SYSTEMS FOUND TO BE OF QUESTIONABLE CONDITION.
- I. ALL EXISTING MECHANICAL EQUIPMENT AND DEVICES SI SPECIFICALLY NOTED TO BE REMOVED.
- 5. DEMOLISHED MATERIALS UNLESS SPECIFICALLY REQUESTE DEMOLISHED MECHANICAL MATERIALS SHALL BECOME TH CONTRACTOR AND SHALL BE REMOVED FROM THE SITE PROPERLY.
- 3. CUTTING AND PATCHING PERFORM CUTTING AND PATCH WORK SO AS TO MINIMIZE DAMAGE TO CEILINGS, FLOORS ARCHITECTURAL DRAWINGS AND GENERAL SPECIFICATIONS S RESPONSIBILITIES REGARDING CUTTING AND PATCHING.
- . THESE DRAWINGS ARE COMPILED BY THE ENGINEER FROM RECORD DRAWINGS AND LIMITED FIELD VERIFICATION OF EXIS THE PURPOSE OF INDICATING THE WORK REQUIRED AND CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL \ EQUIPMENT LOCATIONS, DIMENSIONS AND ALL FIELD COND WORK.
- 3. WHERE MECHANICAL SYSTEMS PASS THROUGH THE DEMOLI OTHER PORTIONS OF THE PREMISES, THEY SHALL REM RELOCATED AND THE SYSTEM RESTORED TO NORMAL OF ENGINEER IMMEDIATELY IF SUCH CONDITIONS ARE PROCEEDING WITH ADDITIONAL WORK.
- . PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM SYSTEMS AND MAINTAIN THEM IN OPERATION THROUGHOUT WORK. NOTIFY THE OWNER AND ENGINEER IN WRITING REQUIRED PRIOR TO ANY OUTAGE OF SERVICE. WHERE PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER CONNECTIONS AS REQUIRED MAINTAINING SERVICE.
- 10.SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A CONDITIONS CANNOT BE COMPLETELY DEPICTED ON THE UNUSUAL CONDITIONS EXIST.
- 11.IF ANY UNUSUAL STRUCTURAL OR ARCHITECTURAL ENCOUNTERED DURING DEMOLITION, CONTACT THE ENGINEER
- 2.REMOVE AIR CONDITIONING, REFRIGERATION, AND CONTAINING REFRIGERANTS WITHOUT RELEASING C REFRIGERANTS TO THE ATMOSPHERE IN ACCORDANCE WIT AMENDMENT OF 1990. RECOVER ALL REFRIGERANTS PRI CONDITIONING, REFRIGERATION, AND OTHER EQU REFRIGERANTS AND DISPOSE OF IN ACCORDANCE WITH THE "DISPOSAL OF OZONE DEPLETING SUBSTANCE (ODS)." TURN ODS REFRIGERANTS AS SPECIFIED IN PARAGRAPH, "SALV, EQUIPMENT."

MECHANICAL GENERAL SAFETY

- . IF ANY EQUIPMENT PLANNED FOR DEMOLITION CONTAINS I CONTRACTOR IS REQUIRED TO CAPTURE ALL REFRIGE RECYCLING IN COMPLIANCE WITH SECTION 608 OF EPA CLE/ BE CONDUCTED UNDER SUPERVISION OF AN EPA CERTIFIED
- WHERE PIPING CONTAINS GAS THAT IS TO BE REMOVED OR W OD NCGC 406.7.1 ALONG WITH NFPA 54 7.2.7 AND 8.3.1 SHAL SHALL BE FIRST DISCONNECTED FROM ALL SOURCES OF GAS THE OUTDOORS, AND THEN THOROUGHLY PURGED WITH AIF BEFORE ANY CUTTING OR WELDING IS DONE.
- THERMOSTATS AND SENSORS CONTAINING MERCURY ACCORDANCE WITH EPA RESOURCE CONSERVATION AND CONTRACTOR SHALL REFER TO EPA WEBSITE FOR HAND DISPOSAL AND SPILL MANAGEMENT OF PRODUCTS CONTAININ

WALL RATING AND PENETRATIO

CONTRACTOR SHALL VERIFY ALL WALL RATINGS AND, TO T ABILITY, MAINTAIN THEIR INTEGRITY IN AREAS NOT UNDER FOR PHASED CONSTRUCTION AREAS, WALL RATINGS MUST COMPLETION OF EACH PHASE. ALL PENETRATIONS MUST BE ACCORDANCE WITH APPLICABLE FIRE AND BUILDING CODES ASSEMBLIES. CONTRACTOR MUST FOLLOW ALL UL LISTING PROVIDED BY THE EQUIPMENT MANUFACTURERS. ENSURE / PENETRATIONS ARE PROPERLY SEALED TO MAINTAIN A WEA COORDINATE ANY NECESSARY REPAIRS OR MODIFICATIONS ENGINEER AND ADHERE TO INDUSTRY-STANDARD BEST PRA

ABBABBEYATTONNOMEAPNOMNOMAPNOMNOMAPNOMNOMAPNOMNOMAPNOMNOMAPALLNOMAPALLOWATTNOMAPALLOWATTNOMAPU OR APEXAMISA AR TEMPERATURENOMAPU OR APEXAMISA AR TEMPERATURENOMAPU OR APEXAMISA AR TEMPERATURENOAPU OR APEXAMISA AR TEMPERATURENOAPU OR APEXAMISA AR TEMPERATURENOAPU OR APNOMANISANOAPOSAXIMUM OVERCUMENT PROTECTIONMOCPADMAXIMUM OVERCUMENT PROTECTIONMOCPADNAXIMUM OVERCUMENT PROTECTIONMOCPADNONE CONTENTNOADPNO ILE SPERI NOURNOADPNO ILE				
AD NOL: 0F NUM NUM AT NOL: 0F NUM NUM ASL NOL: 0F NUM NUM ASL NUM NUM NUM NUM ANU NUM NUM NUM NUM NUM ANU NUM NUM NUM NUM NUM ANU NUM LEAVING WAT NUM NUM AND MARING WAT NUM <th></th> <th>ABBREVIATION</th> <th>I TERM</th> <th>ABBREVIATION</th>		ABBREVIATION	I TERM	ABBREVIATION
ADJ NODE DAT NODE NODE ADJ ROX PRESZ PE ADJ ROX PRESZ PE ADJ RUCVATT KW ARCOND RUCATT KW		AD		IN.
ASL MOUNTPE 302 NG AAC GLUYOLT-ANP KVA AR COND. GLUYATT KVA AR COND. GLUYATT KVA AR COND. GLUYATT HOUR. KVH ARL COND. GLUYATT HOUR. KVH ARL ON ANAL LEANNY ANE TEMPERATURE LIT ARL MAXIMAN OVERCURRENT FRAMEMATINE LIT ARL MAXIMAN OVERCURRENT PROTECTION MOCP ARL MAXIMAN OVERCURRENT PROTECTION MORP ARL MAXIMAN OVERCURRE				
AC. NLOVAT KVA ARY NLOVATT KW ARY COUD MARKANDAR OVERCURRENT PROTECTION MCO ARY COUNTROL COURS MPH MARY ARY COUNTROL COURS MPH MARY ARY COUNTROL COURS MPH MARY ARY COURS MINIMUM MARY ARY COURS MINIMUM MCO ARY COURS MINIMUM MCO BAS NOBE COURS MCO B				IPS
AAK KLOWATT KW AAK COND KUDWATT KWH AAK COND KUDWATT KWH AAK COND KUDWATT KWH AAK COND KUDWATT KWH AMB LEANING KART EMPERATURE LAT AMB LEANING KART EMPERATURE LAT AMB LEANING KART EMPERATURE LAT AMB LEANING KART EMPERATURE MR ADP MULES PERHOUR MR APROX MININUM MR AARCH MININUM MR AART MININUM MR AVG MANUTE MR <td></td> <td></td> <td>KILOVOLT-AMP</td> <td>KVA</td>			KILOVOLT-AMP	KVA
ARE OND CLOWAT HOUR KVH AMU OR AL LEANING ARE TEMPERATURE LAT AMB LENTH LG AMP LESTERMANDERSUBART FROTECTION MOOD APPOND MILESTERMANDERSUBART FROTECTION MOOD BHB MOODE CONTROL CENTROL BHB MOODE CONTROL MOODE BOLD NOT IN CONTROL NO COND ON CONTROL NO		AAV	KILOWATT	KW
AHU GR AH LEAVING AR TEMPERATURE LAT AMBA LEAVING WART HARFERTURE LIN AMB LINKAR FET LE AMB LINKAR FET LE AMP LINKAR FET LE A MAMAM MAMAM MAMA A MEDIVARPESSING STEAM MAP ADP MURING MAN MARA ADP MURING MAN MAN ADD MURING MAN MAN ATM MINING MAN MARA ANG MANUTES MAN MARA ANG MANUTES MAN MARA ANG MANUTES MAN MARA ANG MANUTES MAN MARA BABH NORECONTRAL CENTER MARA BAG NOT INSCALE MARA MARA CONTORONALLY CLOSED NO MARA BAG NOT INSCALE MARA CONTORONALLY CLOSED MARA MARA		AIR COND	KILOWATT HOUR	KWH
APMALEANING WATTER TEMPETATURELPTAMBLINERTHIGAMBLINERTHIGAMBLINERT FETIGADMAXIMUMMAXADMAXIMUMMAXADMAXIMUMMAXADMAXIMUMMAXADMAXIMUMMAXADPMILING FERCIDES STEAMMDPAPRICOMILING FERCIDES STEAMMNAPRICOMINIMUM GECUT AMERESMCAATMMINIMUM GECUT AMERESMCABIBMOTOG CONTROL CENTERMCABIBMOTOG CONTROL CENTERMCABIBMOTOG CONTROL CENTERMCBIBMOTOG CONTROL CENTERMCBIBMOTOG CONTROL CENTERMCBIBMOTOG CONTROLMCCOMOTOG CONTROLMCBIBMOTOG CONTROLMCCOMOTOG CENTERMCCOMOTOG CENTERMCCOMOTOG CENTERMCCOMOTOG CENTERMCCONDPADAGE TERMALAR CONDITIONERPICONDPADAGE TE		AHU OR AH	LEAVING AIR TEMPERATURE	LAT
AMB LENGTH LG AMP LINEAR FEET IF A AMAMUM OVERCURRENT PROTECTION MAC2 A MAJMUM OVERCURRENT PROTECTION MAC2 A MAJMUM OVERCURRENT PROTECTION MAC2 A MAUMUM CIRCUIT AMPERES MAN APPROX MINITE MAR AVG MAUMUM CIRCUIT AMPERES MAN AVG MAUMUM CIRCUIT AMPERES MAN AVG MAUMUM CIRCUIT AMPERES MAN AVG MAUMUM CIRCUIT AMPERES MAR AVG MAUMUM CIRCUIT AMPERES MAC AVG MAUMUM C		AFMA	LEAVING WATER TEMPERATURE	LWT
ANP LINEAR FEET LF AI MAXMUM MAX MAX AO MAXMUM MAX MAX ADP MEDULAPRENDUR PROTECTION MAXP ADP MILES PER HOUR MPH ADP MILES PER HOUR MPH APPROX MINUMAR MINUT APPROX MINUMAR MINU APPROX MINUMAR MINU APPROX MINUMAR MINU APPROX MANUFACTURER MPH AND NOBE CONTROL CENTRE MOC BAS MODE CONTROL CENTRE MC MBH NORAMALY CLOBED NC GOM MOTO SOLARE NC GOM MOTO SOLARE NC GOM NOTA APPLICABLE NC GOM OUNCER OC GOM OUNCER OC GOM OUNCER OC GON PACKAGE IEMMINAL AR CONDITIONER PIA GON PACKAGE IEMMINAL AR CONDITIONER		AMB	LENGTH	LG
AI MAXMUM MAX AO MAXMUM OVERCURRENT PROTECTION MACP ADP MAXMUM OVERCURRENT PROTECTION MACP APROX MILLES PER HOUR MPR ARROX MINUTE MINUTE ARROX MINUTE MIN ARROX MINUTE MIR ARROX MINUTE MIR ARROX MINUTE MIR ARROX MAXMUM COULT AMPERES MIC ARROX MATOR CONTROL CENTER MCC BLOS NOTAR CONTROL CENTER NO R MEH NORMALLY OPEN NO BLOS NOT RECONTROL OC NO CO ON OPENTER OC OC CON OUTDOC NUT OUT OC COND PACAGE ENTRALIAR CONDITIONER PIAC COND		AMP	LINEAR FEET	LF
AO MAXMUM OVERCURRENT PROTECTION MOR ADP MEDIUMPRESSURE STEAM MPF1 ADP MEDIUMPRESSURE STEAM MPF1 ADPTCX MINIMUM CRECUIT AMPERES MCA ARCH MINIMUM CRECUIT AMPERES MCA ARC MINIMUM CRECUIT AMPERES MCA ARC MAIL FACTURER MR ARC MAILTACTURER MR ARC MAILTACTURER MR BAS NOSE CRETERA NC BAS NOSE CRETERA NC RIM NORMALLY CLOSED NC BAS NOT IN CONTRACT NI C COM OUTOS CALE NA COM OUTOS CALE NA COM OUTOS CAR OA CON PACKAGE FEMINULAR CONDUTIONER PIA CON PACKAGE FEMINULAR CONDUTIONER PIA<		AI	MAXIMUM	MAX
8 MEDUMPRESSURE STEAM MPF APPD MILES PER HOUR MPH APPI MILES PER HOUR MPA AND MINITUM GROUT AMPERS MPA AND MANUFACORER MPA AND MANUFACORER MPA BAS MORE CRITERIA MPA BAS MORE CRITERIA MPA BAS MORE CRITERIA NO RE MBH NORMARDA PART LOAD NO BLDG NOT IN CONTRACT NO NA BAS NOT IN CONTRACT NI C COM NOT IN CONTRACT NO OD COM OLINGE NIA SA COM OLINGE NIA SA CONT PORTACLE UNIT OD OD CONT PORTACH TRAIN AR CONDITIONER PIAC CONT PERSTREMENDAR PMA CONT PERSTREMENDAR PMA CONT PERSTREMENDAR PMA CONT PERSTREMENDAR </td <td></td> <td>AO</td> <td>MAXIMUM OVERCURRENT PROTECTION</td> <td>MOCP</td>		AO	MAXIMUM OVERCURRENT PROTECTION	MOCP
ADP MILES PER HOUR MPH APPROX MINIMUM MRN MRN ARCH MINIMUM MRN MRN ATM MINIMUM MRN MRA AMS MANDER-CITURER MRR APROX MANDER-CITURER MRR BAS MOTEC CONTRACT INTRACIONTER MCC BAS NOT MONALY CLOSED NO MBH NORMALY CLOSED NO CHWR NAMBER NO CHWR NAMBER NO CHWR NAMBER OC CHWR NAMBER OC COM ON CENTER OC COM OUTSIDE AR OA COM PACKAGE ITEMINAL AR CONDITIONER PTAC COM PACKAGE INT PH COM PACKAGE INT PH<		&	MEDIUM-PRESSURE STEAM	MPS
APPROX MINIMUM MMA. ARCH MINIMUM CIRCUIT AMPERES MAA AIM MINITE MMA AVG MANUFACTURER MFR BPP MOTOR CONTROLECENTER MGC BPU NORMASTANDERS PART LOAD MSC BLDG NORMASTANDEP PART LOAD MSC BLDG NORMASTANDEP PART LOAD MSC BLDG NOT NICONTRACT NIC BLDG NOT NICONTRACT NIC COMMON NOT NICONTRACT NIC COMMON NOT NICONTRACT NIC COMMON OUNCE NIC COMMON OUNCE NIC COMMON OUNCE NIC COMMON OUNCE NIC COMMON PARTS PERT MILLON OUNCE COMMON PARTS PERT MILLON PIAC COMMON PARTS PERT MILLON PIAC COMT PERCENT Kin COMT PERCENT Kin COMT PERCENT <td< td=""><td></td><td>ADP</td><td>MILES PER HOUR</td><td>MPH</td></td<>		ADP	MILES PER HOUR	MPH
ARCH MINUTE MA ATM MINUTE MINUTE MINUTE AVG MANUPACTURER MR AVG MANUPACTURER MR BBS NOTOR CONTROL CENTER MCC BBS NOTOR CONTROL CENTER MCC R MBH NORMALY CLOSED NO R MBH NORMALY CLOSED NO BAG NOT APPLICABLE NIA C NOTOR CONTRACT NIA C NOTOR CONTRACT NIA C HKIR NUMBER NO C CV OUNCE OC C CV OUNCE OC C CV OUNCE OC C COMP OUTISOR AR OR C COMP OUTISOR AR PARS INFER C COMP PARS INFER MALLON PIA C COMP PARS INFER MALLON PIA C COMP PARS INFER MALLON PIA		APPROX	MINIMUM	MIN.
ATM MINUTE MINUTE MIR AVG MANUTACTURER MIR BIP MOTOR CONTROL CENTER MIC BAS NOTEL CRITERA MIC BID NOTEL CRITERA MIC R MBH NORMALL OVERD MIC BLIG NOTEL CRITERA MIC BLIG NOTEL CRITERA MIC BLIG NOTEL CRITERA MIC BLIG NOTEL CRITERA MIC BLIG NOTIN CONTRACT MIC BLIG ONTRACT MIC CI NOTIN CONTRACT MIC CI CONTRACT OC CI OUNCE OC CI CONTRACT PUL CI CONTRACT		ARCH	MINIMUM CIRCUIT AMPERES	MCA
AVG MAURACTURER MFC B4P MOTOR CONTROL CENTER MCC B4S NOBE CRITERIA MCC R MBH NOMASTANADAR PART LOAD MPLU R MBH NOMASTANADAR PART LOAD MC BLOS NOMASTANADAR MC BLOS NOMASTANADAR MC CON PACACAGE TERMINAL ARC SCHOTTONER PTAC COND PACKAGE TERMINAL CONDITIONER PTAC COND PACKAGE TERMINAC CO		ATM	MINUTE	MIN
HHP MULL MALL BAS NORE CAN IRVLACADD ANT LOAD NPL R HBH NORE CAN IRVLACADD ANT LOAD NPL R HBH NORE CAN IRVLACADD ANT LOAD NPL R HBH NORINGY CLOSED NC R HBH NORINGY CLOSED NC R HBH NORINGY CLOSED NC R MBH NORINGY CLOSED NC R NUMBER NO NO CON OT TO SCALE NTS CO CON OUTSIGLE AIT ODU COL CONC PACKAGE UNIT ODU ODU CONC PACKAGE UNIT PL CONT CONC PACKAGE UNIT PL CO CONN PARTS PER MILLION PH CL CONN PARTS PER MILLION PH CL CONN PARTS PER MILLION PH CL CONN PARTS PER MILLION PR SC CONN		AVG		MFR
BAS MUSE LOTI PLAN NL BTU NON-STANDARD PART LOAD NL R MBH NORMALLY OPEN NO BLGG NOT TA CONTRACT NA BLGG NOT TA CONTRACT NT C NOT TO SCALE NT C NOT TO SCALE NT C OV OUNCE OC FACTOR COP OUTSODE AURT OD COND PACKAGE TERMINAL AR CONDITIONER PTAC COND PACKAGE TERMINAL AR CONDITIONER PTA COND PACKAGE TERMINAL AR CONDITIONER PRES CONT PERCENT PACHAGE PRE CONT PERCENT		BHP		MCC
BID MARSI ARUARU PARI LUAU MPLU R MBH NORMALLY CLOSED NC SLD NOT APULABLE NA BID NOT APULABLE NA BID NOT APULABLE NA BID NOT APULABLE NA BID NOT APULABLE NA COMP ON CONTROCHTAR OC COMP OUTODOR UNIT ODU COND PARTS PER MILLION ODU COND PARTS PER MILLION PM COND PARTS PER MILLION PM CONT PERSSURE PRESSURE PRESSURE CU IN POURD PERSSURE REDUCING VALVE PRV DEG OR * PRESSURE REDUCING VALVE PRV DEG OR * PRESSURE REDUCING VALVE PRV DEG OR * PRESSURE REDUCING VALVE		B&S		
NB NDRAALLY DYEN ND NBH NDRAALLY DYEN NC BLDG NOT PAPLICABLE NA BLDG NOT PAPLICABLE NA CO NOT N SOUTACT N 10 CO NOT N SOUTACT N 10 CO NOT N SOUTACT N 10 CONN ONCHER OD CONN ONCHER OD CONN PAPLAGE TERMINULAR CONDITIONER PTAC CONN PAPLAGE TERMINULAR CONDITIONER PTA CONN PAPLAGE TERMINULAR CONDITIONER PTA CONN PAPLAGE TERMINULAR CONDITIONER PTA CONN PAPLAGE TERMINULAR PAR CONN PAPLAGE TERMINULAR PAR CONN PAPLAGE TERMINULAR PAR CONN PAPLAGE TERMINULAR PAR CUI FI POUNDS PARS CUI FI POUNDS PARS CUI FI POUNDS PARS CUI FI POUNDS PARS DB P		BIU		NPLV
NBIT INDRALL OLDELD NC BLDG NOT APPLICABLE NA 0 BLDG NOT NO CONTRACT NI 0 CHWR NUMBER NI 0 CHWR NUMBER NI 0 CHWR NUMBER 02 CV OUNCE 02 CV OUNCE 02 CON PARTS CON CON PARTS PER NULLON PU CON PARTS PER NULLON PH CUFT POUNDS PER SOLARE FOOT PS SCFM PRESSURE SALET VALVE PRV SCFM PRESSURE SALET VALVE PRV EM DAS PUMERO CONDENSATE PC DEG OR* QUANTITY PRV	IR	MBH		NO
BAS NOT MUCHANALE NA BAS NOT MOTRACT NI C CMMR NOT NO SOLE NI S CMMR NUMER OD COMP OUTBOE ALK OD COMP OUTBOE ALK OD COMP OUTBOE ALK OD COND PACKAGE TERMINAL AR CONDITIONER FTAC CONT PERCENT % CULT POUNDS LIS CULT POUNDS FRESS CONT PERCENT % CULT POUNDS FRESS CONT PERCENT % CULT POUNDS FRESS CONT PERCENT PRESS CONT PERCENT PRESS CONT PERCENT PRESS CONT PERCENT PRESS		MBH		
International NUL NUL C NOT IN SCALE NIS CHWR NUMBER NO CHWR NUMBER OC CV OUNCE OZ CV OUNCE OZ CAMP OUTSOC NUT OZ CONC PARTS PERMILLON OD COND PARCAGE UNIT PU COND PARCAGE UNIT PU COND PARCAGE UNITAL AR CONDITIONER PIA COND PARTS PERMILLION N COND PARTS PERMILLION NUME PRES COND PARTS PERMILLION NUME PRES COND PRESSURE SAFETY VALVE PSV PSV DEG CR PRESSURE SAFETY VALVE PSV PSV DEG CR PRESSURE SAFETY VALVE PSV				
CHARA NUMBER NO CHARA NUMBER NO CHARA ON CENTER OC CATOR COP OUTIDOR UNIT ODU CONC PACKAGE UNIT OA CONC PACKAGE UNIT OA CONN PARTS PER MILLION PTAC CONN PARTS PER MILLION PTAC CONN PARTS PER MILLION PH CLU FT POUNDS ER SOUARE FOOT PSF CLU FT POUNDS ER SOUARE FOOT PSF CLU FT POUNDS ER SOUARE FOOT PSF DB PRESSURE SOUR REDUCING VALVE PRV DB PRESSURE SAFETY VALVE PRV DEG OR 4 PRESSURE SAFETY VALVE PSV DM DOAS PLAMED CONDENSATE PC DDA RECORDINATE PC RECORDENSATE PC DDA RECORDAMES PR2 RECORDAMES RECORDAMES DDA RECORDAMES PS2 RECORDAMES RECORDAMES DDA		0 0 0		
Drives District Notest CV OUNCE OC CV OUNCE OC CATOR COP OUTSIDE AIR OC COND PACKAGE LENT PU COND PACKAGE TERMINAL AIR CONDITIONER PTAC COND PACKAGE TERMINAL AIR CONDITIONER PTAC COND PACKAGE TERMINAL AIR CONDITIONER PTAC CONT PERCENT % CONT PERCENT % CLICION PARTSERE MELLION PTM CONT PERCENT % CLICION PARTSENCRE PRESSURE CONT PERCENT % DEG OR* PRESSURE READYNEY % CONT RECENT %		CHWR	NUMBER	NO
Drive District Double Double FACTOR COP DUTDOO UNIT ODU CONC PACKAGE LINIT OD CONC PACKAGE LINIT PLAC CONC PACKAGE LINIT PLAC CONN PARTS PER MILLON PLAC CONN PARTS PER MILLON PLAC CONN PARTS PER MILLON Ka COUT POUNDS PER SQUARE FOOT PSP CUT POUNDS PER SQUARE FOOT PSP CUT POUNDS PER SQUARE FOOT PSP DEG CAN PRESSURE REDUCING VALVE PRV DEG PRESSURE REDUCING VALVE PRV PRV DEG PRESSURE REDUCING VALVE PRV PRV DEG RATED LOAD AMPS RED PRV DEG RATED LOAD AMPS RECRC PRV DEG RECRCULATE PRV PRV DEG RECRCULATE PRV PRV DEG RECRCULATE PRV PRV		CHWS	ON CENTER	00
FACTOR Difference Differenc Differenc <td></td> <td>CV</td> <td>OUNCE</td> <td>OZ</td>		CV	OUNCE	OZ
OOMP OUTSIDE AIR OA CONC PACKAGE TERMINAL AIR CONDITIONER PTAC. CONN PARKAGE TERMINAL AIR CONDITIONER PTAC. CONN PARKS PER MILLON PFM CLIG LOAD PHARE PH CLIG LOAD PHARE PH CLIN POUNDS PER SQUARE FOOT PSF CUIN POUNDS PER SQUARE FOOT PSF SCFM PRESSURE REDUCING VALVE PRV SCFM PRESSURE REDUCING VALVE PRV DE PRESSURE REDUCING VALVE PRV DE PRESSURE REDUCING VALVE PRV DE PRESSURE REDUCING VALVE PRV DA PRESSURE REDUCING VALVE PRV DA PRESSURE REDUCING VALVE PRV DD PRESSURE RADECINC VALVE PRV DD PRESSURE RADECINC VALVE PRV DD RECIRCULATE RANE DD RECIRCULATE REVAL DD REFRIGERANT LOUTON RELA DD REFRIGERANT LOUT	FACTOR	COP	OUTDOOR UNIT	
CONC PADKAGE LINIT PU COND PARTS FER MILLION PTAC CONN PARTS FER MILLION PPM CONT PARCENT % CLG LOAD PHASE PH CU PT POUNDS PERSURE PH CU PT POUNDS PER SOUARE FOOT PS CU N POWER VENTILATOR PV SCFM POWER VENTILATOR PV DB PRESSURE SECTIVALYE PSV DB PRESSURE SAFET VALVE PSV M DOAS PUMPED CONDENSATE PC DEG OF* PRESSURE SAFET VALVE PSV M DOAS PUMPED CONDENSATE PC DET RATED LOAD AMPS RLA RCA DDA REFIGERANT (12, 2, 2, ETC.) R22, R10 Q17 DIA RESDUCED PRESSURE BACKFLOW PREVENTER RPCARC DIA RESDUCED PRESSURE BACKFLOW PREVENTER RPCARC DIA REFURCERANT (12, 2, 2, ETC.) R22, R10 DIF RECORT		COMP	OUTSIDE AIR	OA
COND PARCKAGE TERMINAL AR CONDITIONER PTAC CONT PARCENT PM CLO FOR PARSE PH CLU FT POUNDS PRESSURE PH CU IN POUNDS PER SQUARE FOOT PSP CU IN POUNDS PER SQUARE FOOT PSP CO IN POUNDS PER SQUARE FOOT PSP DEG CR* PRESSURE REPUCIONG VALVE PRV DEG CR* PRESSURE SAFETY VALVE PSV DEG CR* PRESSURE SAFETY VALVE PSV DEG CR* RATECIADA MAPS RLA DEG CR* QUANTITY QTY DEG CR* QUANTITY QTY DEG CR* RATECIADA MAPS RLA DI REFRIGERANT LOUDON RLA DI REFRIGERANT LOUDON RLA DI REFRIGERANT LOUDON RLA DI REFRIGERANT LOUDON RDA DI REFRIGERANT LOUDON RDA DI REFRIGERANT LOUDON RDA DI RECRECONT R		CONC	PACKAGE UNIT	PU
CONN PARTS PER MILLION PPM CONT PRRCENT % CLI COLDAD PHASE PH CU FT POUNDS LBS CU FT POUNDS PER SOUARE FOOT PSP COM POWER VENTILATOR PV SOFM PRESSURE PRESSURE DB PRESSURE SAFET VALVE PSV DB DE GOR * PRESSURE SAFET VALVE PSV MID OCAS PUMPED CONDENSATE PC DET RATED LOAD AMPS RLA DET RATED LOAD AMPS RLA DD REPRIGERANT (12, 22, 17, 0) RE2, R10 DD REPRIGERANT (12, 22, 17, 0) RE2, R10 DD REPRIGERANT (12, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17		COND	PACKAGE TERMINAL AIR CONDITIONER	PTAC
CONT PERCENT % CLU LOAD PHASE PH CU IN POUNDS PER SQUARE FOOT PSF CU IN POUNDS PER SQUARE FOOT PSF CM POWRESSURE REDUCING VALVE PRV SCFM PRESSURE REDUCING VALVE PRV DEG OR* PRESSURE SAFETY VALVE PSV DEG OR* PRESSURE SAFETY VALVE PSV DEG OR* QUANTITY OTY DEG.F GUANTITY QTY DET RATED CADBARS RLA DPT RECIRCULATE RECORC DI RECIRCULATE RECORC DI RECIRCULATE RECORC DI RECIRCULATE RECORC DI RECORCERSSURE BACK/LOW PREVENTER R2 DI RECIRCULATE RECORC DI RECORCULATE RECORC DI RECORCOND RES DI RECONDITIONS PER SUCOND RPS NDLER DAH ROOT TOP UNIT RT		CONN	PARTS PER MILLION	PPM
CLG LOADPHASEPHCJUTPOUNDSPRESSCFMPOUNDS PER SOURCE FOOTPSFCFMPOWER VENTLATORPVDBSCFMPRESSUREDBPRESSURE SAFETY VALVEPRVDEGORPRESSURE SAFETY VALVEPSVDEGORPRESSURE SAFETY VALVEPSVDEGORPRESSURE SAFETY VALVEPSVDEGORQUANTTYOTYDEGTRATED LOAD AMPSRLADFTRECIRCULATERECIRCDAREDUCED PRESSURE BACKFLOW PREVENTERRFZDOREFRIGERANT 102UDRLDIREFRIGERANT 102UDRLDIREFRIGERANT 102UDRLDIRECOURTERFMDOREFRIGERANT 102UDREDOCORDIREQUIREDREDOCORDORELTRE HUMONTYRHLATIONDHWREVOLUTIONS PER SECONDRPSNDLERDAHROOF VENTLATORRVUNPERRSAFETY FACTORSFELHSECONDSEERSEELHSECONDSEERSEELHSPECIFICATIONSESEELHSPECIFICATIONSESEELSTANDARDSTDSACATSTANDARDSPESPEEESTANDARDSPESPEEEEATSUPLY ARSAFREATSUPLY ARSAFREATSUPLY ARSAFREFFTOP OF STEEL		CONT	PERCENT	%
CU FT POUNDS Les CU FT POUNDS PER SOURE FOOT PSF CFM POWER VENTILATOR PY SCFM PRESSURE REDONG VALVE PRV DEG OR * PRESSURE SAFETY VALVE PSV DET RATOR DAVENTY REDOR DI REFRIGERANT 1(2, 22, ETC.) R22, R410 RES DI REFRIGERANT 1(2, 22, ETC.) R22, R410 R5 DI PF REFRIGERANT 1001D RE DI O REFRIGERANT 1021D RE REO OR R DI O RELATIVE HUMIDITY		CLG LOAD	PHASE	PH
CUIN POUNDS PER SQUARE FOOT PSF CFM POWER VENTLATOR PV SCFM PRESSURE PRESS DB PRESSURE REDUCING VALVE PRV DEG OR * PRESSURE SAFETY VALVE PSV DEG OR * PRESSURE SAFETY VALVE PSV DEG OR * QUANTITY QTY DET RATED LOAD AMPS RLA DET RATED LOAD AMPS RECIRC DI REFRIGERANT 10/UD RECIRC DI REFRIGERANT 10/UD R2, R410 DI REFRIGERANT 10/UD R2, R410 DI REFRIGERANT 10/UD R2, R410 DI REFRIGERANT 10/UD R42, R410 DA REQUIRED RAV DA REQUIRED R42, R410 DA REQUIRED R44 DA REQUIRED R44 DA REQUIRED R44 DA REQUIRED R42 DA REQUIRED R44 DA RECOTOR		CU FT	POUNDS	LBS
CFM POWER VENTILATOR PV SCFM PRESSURE PRESS DB PRESSURE PRESSURE DEG OR * PRESSURE SAFETY VALVE PSV DCAS PUMPED CONDENSATE PSV DCAS PUMPED CONDENSATE PC DET RATED LOAD AMPS RLA DET RATED LOAD AMPS RLA DO PT RECIRCULATE RCORC DA REDUCED PRESSURE BACKFLOW PREVENTER RR2 DA REDIRGERANT UQUE RCO OD REFRIGERANT UQUE RCO DA RECORED RESOURD REQOOR R DA RECOURD REQOOR R RCO DA RECOURD RECOND REGO DAT REVOLUTIONS PER MINUTE RPM RUMP DHW REVOLUTIONS PER MINUTE RPM NDLER DAH ROOF TOP UNIT RT DER SACTY FACTOR SF EL SALANRE SACTOR <t< td=""><td></td><td>CU IN</td><td>POUNDS PER SQUARE FOOT</td><td>PSF</td></t<>		CU IN	POUNDS PER SQUARE FOOT	PSF
SCFMPRESSUREPRESSDBPRESSURE REDUCING VALVEPRVDEG OR *PRESSURE REDUCING VALVEPRVMDOASPUMPED CONDENSATEPCDEG. RQUANTITYQTYDETRATED LOAD AMPSRLADFTREORCULATERECORCULATEDIAREDUCED PRESSURE BACKFLOW PREVENTERRPZDIAREDUCED PRESSURE BACKFLOW PREVENTERRPZDDREFRIGERANT 102 L2 ETC.)RE2. RA10DIREFRIGERANT 1001DRLDIREFRIGERANT 1001DRLDIRECOUREDRECOURTONDORELATIVE HUMDITYRHDORELATIVE HUMDITYRHDAREVOLUTIONS PER MINUTERPMLATIONDHWREVOLUTIONS PER MINUTERPMDAHROOF VENTILATORRVVIMPDHPROOF OP UNITRTUVIMPDHPROOF OP UNITRTUVIMPERRSAFETY FACTORSFELHSECONDSEERELHSECONDSCEENTSPEC/FICATIONSPECEENTSOUARESPREEATSUPPLYSAREEATSUPPLYSAREEATSUPPLYSAREEATSUPPLYSAREEATSUPPLYSPREEATSUPPLYSAREEATSO FREELCRATONTONSFPMTOP OF STEELTODSP <td< td=""><td></td><td>CFM</td><td>POWER VENTILATOR</td><td>PV</td></td<>		CFM	POWER VENTILATOR	PV
DB PRESSURE REDUCING VALVE PFV DEG OR* PRESSURE SAFETY VALVE PSV M DOAS PUMPED CONDENSATE PC DEG.F QUANTITY OTY DET RATED LOAD AMPS RLA DPT RECORCULATE RECORC DIA REDUCED PRESSURE BACKFLOW PREVENTER RP2 DO REFRIGERANT (02.22, ETC.) R22, R410 OD REFRIGERANT (02.00 RE DIF REFRIGERANT (02.01 RL DO REFRIGERANT (02.01 RE DI RECOURD RESCOND RS DO REFRIGERANT (02.02, 25, 25, 27, 28, 10 D0 DIF REVOLUTIONS PERSUME RM DD RECOURD RECOD RA RN LATION DHW REVOLUTIONS PERSONN RPS NDLER DAH ROOF VENTILATOR RV NUMP DHP ROOF OP UNIT RTU EFF SEASONAL ENERGY EFFICIENCY RATIO SEE ELH SHAD		SCFM	PRESSURE	PRESS
DEG OR * PRESSURE SAFETY VALVE PSV MA DOAS PUMPED CONDENSATE PC DET RATED LOAD AMPS RLA DET RATED LOAD AMPS RLA DPT RECIRCULATE RECIRC DIA REDUCED PRESSURE BACKFLOW PREVENTER RP2 DOF REFRIGERANT UQUID RL DOF REFRIGERANT UQUID RL DOF REFRIGERANT UQUID RR DOF REFRIGERANT UQUID RR DOF REFRIGERANT UQUID RR DO REFURED ANT URUNTE RA LATION DHW RETURN AIR RA DO RELATIVE HUMIDITY RM RM DER REVOLUTIONS PER MINUTE RV VUMP DHW REOLITIVE HUMIDITY RT DISER DAH ROOC VENTILATOR RV VUMP DHW REOLUTIONS PER NEW SECOND SF E ERR SAETY FACTOR SF E EL SHAD		DB	PRESSURE REDUCING VALVE	PRV
M DOAS PUMPED CONDENSATE PC DEG. QUANTITY QTY DET RATED LOAD AMPS RLA DFT RECIRCULATE RECURCULATE DIA REDUCED PRESSURE BACKFLOW PREVENTER RP2 ID REFRIGERANT (12, 22, ETC.) R22, R410 OD REFRIGERANT SUCTION RL DI REGURED RECO COR DI REGURED RECO COR DO REFRIGERANT SUCTION RE DO RELATIVE HUMIDITY RH ALATION DHWR REVOLUTIONS PER MINUTE RPM DBT REVOLUTIONS PER SECOND RE NDLER DAH ROOF VENTILATOR RV VIMP OHP ROOF TOP UNIT RT EFF SEASONAL ENERGY EFFICIENCY RATIO SEER EUH SECOND S S EL SHADING COEFFICIENT SC SQ E ELT SHADING COEFFICIENT SQ E SUAPELY		DEG OR °	PRESSURE SAFETY VALVE	PSV
DEG.F. QUANTITY QTY DFT RATE LOAD AMPS RLA DPT RECIRCULATE RECIRC DIA REDUCED PRESSURE BACKFLOW PREVENTER RPZ ID REFRIGERANT (12, 22, ETC.) R22, R410 OD REFRIGERANT SUCTION RS DIF REFRIGERANT SUCTION RS DO RECOURED RECOURD DO RECOURD REF DO RECOUNTOR SPEM MINUTE RPA LATION DHWR REVOLUTIONS PER MINUTE RPA LATION DHWR REVOLUTIONS PER SECOND RPS NDLER DAH ROOF VOP INIT RTU UMP ROOF VOP INIT RTU SF ELR SAFETY FACTOR SF SE EUH SECOND SE SE EL SHADING COEFFICIENT SC SE EE SHADING COEFFICIENT SC SE EE EWT SQUARE SQ ENT SPECI	M	DOAS	PUMPED CONDENSATE	PC
DET RATED LOAD AMPS RLA DPT RECIRCULATE RECIRC DIA REDUCED PRESSURE BACKFLOW PREVENTER RPZ ID REFRIGERANT (12, 22, ETC.) R2, R410 OD REFRIGERANT (10, 12, 22, ETC.) R2, R410 DI REQUIRED REGO OR R DI REQUIRED REGO OR R DO RELATIVE HUMIOITY R4 DHW RELATIVE HUMIOITY R4 DHW REVOLUTIONS PER MINUTE RPM DHW REVOLUTIONS PER SECOND RPS NDLER DAH ROOF VENTILATOR RV VUMP DHP ROOF TOP UNIT RTU EFF SEASONAL ENERGY EFFICIENCY RATIO SEER E EVH SECOND S E EVH SECOND S E EVH SOQARE SQ E EVT SOLARE SQ E EVH SUPPLY AIR SA E EVT SOLARE SQ		DEG. F	QUANTITY	QTY
DPT RECIRCULATE RECIRC DA REDUCED PRESSURE BACKFLOW PREVENTER RPZ DD REFRIGERANT (12, 22, ETC.) R2, R410 DD REFRIGERANT (12, 22, ETC.) R2, R410 DI REFRIGERANT SUCTION R8 DI REQUIRED RECO CR DO RELATIVE HUMIDITY RH LATION DHW RETURN AIR RA LATION DHW RETURN AIR RA LATION DHW RETURN AIR RA LATION DHW REVOLUTIONS PER MINUTE RPM DIET REVOLUTIONS PER MINUTE RPM DULER DAH ROOF VPUINIT RTU UMP DHP ROOF VPUINIT RTU ERR SAFETY FACTOR SE SE EL SHADING COEFFICIENT SC SE EL SHADING COEFFICIENT SC SE EVYT SQUARE SQ SQ EAT SUPPLY AIR SA SA <		DET	RATED LOAD AMPS	RLA
DIA REDUCED PRESSURE BACKFLOW PREVENTER RP2 ID REFRIGERANT LIQUID R2, R410 OD REFRIGERANT LIQUID R4 DIFF REFRIGERANT SUCTION R5 DI REQUIRED RECOOR R DO RELATIVE HUMIDITY R4 DHW RETURN AIR RA LATION DHW REVOLUTIONS PER SECOND RPS NDLER DAH ROOF VENTILATOR RV VUM DHP ROOF TOP UNIT RTU EFF SEASONAL ENERGY EFFICIENCY RATIO SER EUH SECOND S1 S2 EVH SECOND S2 S2 E EL SHADIMO COEFFICIENT S2 E EVT SQUARE SQ E EVT SQUARE SQ E EAT SUPPLY SPLY E EAT SUPPLY SPLY E EAT SUPPLY SPLY E FOR		DPT		RECIRC
IDREPRISERANT (12, 22, E1.C.)R22, RAIODREFRIGERANT LIQUIDRLDIFFREFRIGERANT SUCTIONRSDIREQUIREDREOD OR RDORELATIVE HUMIDITYRHDHWRETURN AIRRADHWREVOLUTIONS PER SECONDRPSDLERDAHROOF VENTLATORRVVUMPDHPROOF TOP UNITRTUERFSEASONAL ENERGY EFFICIENCY RATIOSEEREUHSECONDSELSHADING COEFFICIENTSCELSHADING COEFFICIENTSCELSHADING COEFFICIENTSCEEVTSQUARESQEEATSTATIC PRESSURESPECEEVTSUPPLY AIRSAEEATSUPPLY AIRSAEEATSUPPLY AIRSAEFFTEMPERATURE DIFFERENCETDFPSTOP OF STELLTOTONSFPSTOP OF STELLTOTOSFPSTOP OF STELLTOTOHFFAUHACTORUUFFAUNANIC HEADTDHFAUURES OTHERWISE NOTEDUOFFAUNANIC HEATTOSFFAUVACTORVENTFFSTOP OF STELLTOFFSTOP OF STELLTOFFAUNANIC HEATTONSFFAUNANIC HEATVITFAUURES OTHERWISE NOTEDUOFAUURES OTHERWISE NOTEDVO			REDUCED PRESSURE BACKFLOW PREVENTER	RPZ
OD REHIGENATI SUCTION R3 DIFF REFRIGERATI SUCTION R3 DI REQUIRED RECD OR R DO RELATIVE HUMIDITY R4 LATION DHW RETURN AIR RA LATION DHW REVOLUTIONS PER MINUTE RPM DBT REVOLUTIONS PER SECOND RPS NDLER DAH ROOF VENTILATOR RV 'UMP DHP ROOF TOP UNIT RTU 'UMP DHP ROOF VENTILATOR SF 'EL SAFETY FACTOR SF 'EL SHADING COEFFICIENCY RATIO SE 'EL SHADING COEFFICIENT SC 'EL SHADING COEFFICIENT SC 'E EL SHADING COEFFICIENT SC 'E EAT STANDARD STD 'KI STATIC PRESSURE SP 'E EAT SUPPLY AIR SA 'E EAT SUPPLY AIR SA 'E TEMPERATURE			REFRIGERANT (12, 22, ETC.)	R22, R410
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GFIMVENTERTION, VENTVENTGPDVENT THRU ROOFVTRGUHVERTICALVERTGRVERTICAL CONDENSATE STACKVCSHDVOLTVHXVOLT AMPEREVAHVVOLUMEVOLCONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHRYARDYD		FA FLA GA GAL	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE	VAV VFD
GUDVENT THRO ROOPVTRGUHVERTICALVERTGRVERTICAL CONDENSATE STACKVCSHDVOLTVHXVOLT AMPEREVAHVVOLUMEVOLCONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHZWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY	VAV VFD VEL
GRVERTICALVERTICALGRVERTICAL CONDENSATE STACKVCSHDVOLTVHXVOLT AMPEREVAHVVOLUMEVOLCONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHRYARDYD		FA FLA GA GAL GPH GPM	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT	VAV VFD VEL VENT
HDVOLTVOSHDVOLTVHXVOLT AMPEREVAHVVOLUMEVOLCONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH GPM GPD GUH	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF	VAV VFD VEL VENT VTR
HXVOLTVHXVOLT AMPEREVAHVVOLUMEVOLCONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH GPM GPD GUH GR	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF VERTICAL VERTICAL	VAV VFD VEL VENT VTR VERT VCS
HVVOLTANITERVAHVVOLUMEVOLCONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH GPM GPD GUH GR HD	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF VERTICAL VERTICAL VERTICAL CONDENSATE STACK	VAV VFD VEL VENT VTR VTR VERT VCS V
CONDITIONINGHVACWATER PRESSURE DROPWPDHGTWATER GAUGEWGHZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH GPM GPD GUH GR HD HX	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF VERTICAL VERTICAL CONDENSATE STACK VOLT VOLT	VAV VFD VEL VENT VTR VERT VCS V V
HGTWATER GAUGEWGHGTWATER GAUGEWGHZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH GPM GPD GUH GR HD HX HV	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF VERTICAL VERTICAL OVERTICAL VOLT VOLT VOLT AMPERE	VAV VFD VEL VENT VTR VERT VCS V VA VA
HZWATTWHDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD		FA FLA GA GAL GPH GPD GPD GUH GR HD HX HV HV	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF VERTICAL VERTICAL CONDENSATE STACK VOLT VOLT AMPERE VOLUME	VAV VFD VEL VENT VTR VERT VCS V VCS V VA VA VOL
HDPEWATT-HOURWHHPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD	CONDITIONING	FA FLA GA GAL GPH GPM GPD GUH GR HD HX HV HV HVAC HGT	UNIT HEATER - ELECTRIC VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VENTILATION, VENT VENT THRU ROOF VERTICAL VERTICAL CONDENSATE STACK VOLT VOLT AMPERE VOLUME WATER PRESSURE DROP WATER GAUGE	VAV VFD VEL VENT VTR VERT VCS V VA VA VOL WPD WG
HPSWITHW/HPWEIGHTWTHWCWET BULBWBHRYARDYD	CONDITIONING	FA FLA GA GAL GPH GPM GPD GUH GR HD HZ HV HV HVAC HGT HZ	UNIT HEATER - ELECTRICVARIABLE AIR VOLUMEVARIABLE FREQUENCY DRIVEVELOCITYVENTILATION, VENTVENT THRU ROOFVERTICALVERTICAL CONDENSATE STACKVOLTVOLT AMPEREVOLUMEWATER PRESSURE DROPWATER GAUGEWATT	VAV VFD VEL VENT VTR VERT VCS V V VA VA VOL WPD WG W
HP WEIGHT WT HWC WET BULB WB HR YARD YD	ONDITIONING	FAFLAGAGALGPHGPMGPDGUHGRHDHXHVHVACHGTHZHDPF	UNIT HEATER - ELECTRICVARIABLE AIR VOLUMEVARIABLE FREQUENCY DRIVEVELOCITYVENTILATION, VENTVENT THRU ROOFVERTICALVERTICAL CONDENSATE STACKVOLTVOLT AMPEREVOLUMEWATER PRESSURE DROPWATTWATT-HOUR	VAV VFD VEL VENT VTR VERT VCS V VA VA VOL WPD WG W WH
HWC WET BULB WB HR YARD YD	ONDITIONING	FAFLAGAGALGPHGPDGUHGRHDHXHVHVACHGTHZHDPEHPS	UNIT HEATER - ELECTRICVARIABLE AIR VOLUMEVARIABLE FREQUENCY DRIVEVELOCITYVENTILATION, VENTVENT THRU ROOFVERTICALVERTICAL CONDENSATE STACKVOLTVOLT AMPEREVOLUMEWATER PRESSURE DROPWATER GAUGEWATTWATT-HOURWITH	VAV VFD VEL VENT VTR VERT VCS V VA VA VOL WPD WG W W WH WH
HR YARD YD	ONDITIONING	FA FLA GA GAL GPH GPD GUH GR HD HX HV HVAC HGT HZ HDPE HPS HP	UNIT HEATER - ELECTRICVARIABLE AIR VOLUMEVARIABLE FREQUENCY DRIVEVELOCITYVENTILATION, VENTVENT THRU ROOFVERTICALVERTICAL CONDENSATE STACKVOLTVOLT AMPEREVOLUMEWATER PRESSURE DROPWATTWATT-HOURWITHWEIGHT	VAV VFD VEL VENT VTR VERT VCS V VA VOL VA VOL WPD WG WPD WG WH WH WH
	ONDITIONING	FA FLA GA GAL GPH GPD GUH GR HD HX HV HVAC HGT HZ HDPE HPS HWC	UNIT HEATER - ELECTRICVARIABLE AIR VOLUMEVARIABLE FREQUENCY DRIVEVELOCITYVENTILATION, VENTVENT THRU ROOFVERTICALVERTICAL CONDENSATE STACKVOLTVOLT AMPEREVOLUMEWATER PRESSURE DROPWATER GAUGEWATTWATT-HOURWITHWEIGHTWET BULB	VAV VFD VEL VENT VERT VCS V VOL WPD WG WH W/ WT WB
RH YEAR YR	ONDITIONING	FA FLA GA GAL GPH GPM GPD GUH GR HD HX HV HVAC HGT HZ HDPE HP HWC HR	UNIT HEATER - ELECTRICVARIABLE AIR VOLUMEVARIABLE FREQUENCY DRIVEVELOCITYVENTILATION, VENTVENT THRU ROOFVERTICALVERTICAL CONDENSATE STACKVOLTVOLT AMPEREVOLUMEWATER PRESSURE DROPWATER GAUGEWATTWATT-HOURWITHWEIGHTWET BULBYARD	VAV VFD VEL VENT VERT VCS V VOL WPD WG WH W/ WH WJ VT VD



WALL LEGEN	D
•(X)	1 HOUR RATED WALL - EXISTING
	2 HOUR RATED WALL - EXISTING





























STATIC PRESSURE PLUS 1". 4. HEIGHT MUST BE 1/2 OF HEIGHT

7. PROVIDE UNIONS AT INLET AND

		1				2					3						4	
	VARIAB	LE REFRIG	ERANT F	LOW AIR HAN	IDLER SCHED	JLE									VARIAB	LE REFI	RIGERANT	FLOW BR
	DRAWING CODE	E BC CONTROLLER	OUTDOOR BA UNIT DE MF	SIS OF BASIS OF DESIG SIGN MODEL R	N ALTERNATE APPROVED MFRS	INDOOR UNIT CONFIGURATION	MAXIMUM MAXI COOLING HEAT CAPACITY CAPA	IMUM SUPF TING AIRFI ACITY CFM	LY LOW (MIN TO MAX	RICAL AGE MCA		NEIGHT NOTE LBS)	ES ACCESSOR	IES	DRAWING COD	E BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	ALTERNATE APPROVED
	AH101	BC1	HP1 TR	ANE TPLFYP018FM14	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY	(MBH) (MBH 18.0	H) CFM)	315 - 460 2	HZ) (A) 08/1/60 0	(A)).5 15	32	1 - 9	A,B	BC1 BC2A	TRANE	TCMBM1012JA21N	I4 DAIKIN, MIT
	AH102 AH103	BC1 BC1	HP1 TR HP1 TR	ANE TPLFYP012FM14 ANE TPVFYP036AM14	DB DAIKIN, MITSUBISHI 1A DAIKIN, MITSUBISHI	CASSETTE - 4 WAY MULTI-POSITION AIR HANDLER	12.0 36.0	13.5 40.0	245 - 335 2 767 - 1095 2	08/1/60 0 08/1/60 4	0.5 15 1.2 15	32 141	1 - 9 1 - 9	A,B A,B,C	BC2B BC3	TRANE	TCMBS0108KB21N TCMBG1012SJ11N	4 DAIKIN, MITS
	AH104 AH105	BC1 BC1	HP1 TR HP1 TR	ANE TPVFYP054AM14 ANE TPKFYP024KM14	1ADAIKIN, MITSUBISHI2BDAIKIN, MITSUBISHI	MULTI-POSITION AIR HANDLER WALL MOUNTED	54.0 24.0	60.0 10 27.0	040 - 1485 2 570 - 710 2	08/1/60 5 08/1/60 0	5.6150.515	172 46	1 - 9 1 - 9	A,B,C A,B	BC4 BC5	TRANE	TCMBG1016SJ21N TCMBG1016SJ21N	4 DAIKIN, MIT
	AH106 AH107	BC1 BC1	HP1 TR HP1 TR	ANE TPKFYP030KM14 ANE TPKFYP030KM14	2BDAIKIN, MITSUBISHI2BDAIKIN, MITSUBISHI	WALL MOUNTED WALL MOUNTED	30.0 30.0	34.0 34.0	710 - 8502710 - 8502	08/1/60 0 08/1/60 0	0.5150.515	46 46	1 - 9 1 - 9	A,B A,B	NOTES:	1 REFER TO	SPECIFICATIONS FC	R FURTHER INFOR
	AH108 AH201	BC1 BC2A	HP1 TR HP2 TR	ANE TPKFYP030KM14 ANE TPLFYP018FM14	2B DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	WALL MOUNTED CASSETTE - 4 WAY	30.0 18.0	34.0 20.0	710 - 8502315 - 4602	08/1/60 0 08/1/60 0	0.5150.515	46 32	1 - 9 1 - 9	A,B A,B	ACCESSORIES	3 INCLUDE I	DIAMONDBACK BALL	VALVES BV-SERIES
	AH202 AH203	BC2B BC2B	HP2 TR. HP2 TR.	ANE TPEFYP018MA14 ANE TPEFYP015MA14	4ADAIKIN, MITSUBISHI4ADAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC HORIZONTAL DUCTED - MED STATIC	18.0 15.0	20.0 17.0	618 - 8832353 - 4942	08/1/60 3 08/1/60 3	3.0153.015	58 58	1 - 9 1 - 9	A,B,C A,B,C		B PROVIDE	ENGINEER APPROVE	D MINI CONDENSAT
	AH204 AH205	BC2B BC2B	HP2 TR. HP2 TR.	ANE TPLFYP005FM14 ANE TPLFYP005FM14	DA DAIKIN, MITSUBISHI DA DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	5.0	5.6 5.6	230 - 280 2 230 - 280 2	08/1/60 0 08/1/60 0	0.5150.515	29 29	1 - 9 1 - 9	A,B A,B				
	AH206 AH207	BC2A BC2A	HP2 TR HP2 TR	ANE TPEFYP006MA14 ANE TPLFYP008FM14	4A DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC CASSETTE - 4 WAY	6.0 8.0	6.7 9.0	212 - 300 2 230 - 315 2	08/1/60 2 08/1/60 0	2.0150.515	47 29	1 - 9 1 - 9	A,B,C A,B				
	AH208 AH209	BC2A BC2A	HP2 TR HP2 TR	ANE TPLFYP005FM14 ANE TPLFYP005FM14	DB DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	5.0	5.6 5.6	230 - 280 2 230 - 280 2	08/1/60 0 08/1/60 0	0.5 15 0.5 15	29 29	1 - 9 1 - 9	A,B A,B				
	AH210 AH211	BC2A BC2A	HP2 TR HP2 TR	ANE TPLFYP005FM14 ANE TPLFYP005FM14	DB DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	5.0	5.6 5.6	230 - 280 2 230 - 280 2	08/1/60 0 08/1/60 0).5 15).5 15	29 29	1 - 9 1 - 9	A,B A,B				
	AH212 AH213	BC2A BC2A	HP2 TR HP2 TR	ANE TPLFYP005FM14 ANE TPEFYP015MA14	DB DAIKIN, MITSUBISHI 4A DAIKIN, MITSUBISHI	CASSETTE - 4 WAY HORIZONTAL DUCTED - MED STATIC	5.0	5.6	230 - 280 2 353 - 494 2	08/1/60 0 08/1/60 3	0.5 15 3.0 15	29 58	1 - 9	A,B A,B,C				
	AH214 AH215	BC2A BC2A	HP2 TR	ANE TPLFYP005FM14	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY	5.0	5.6	230 - 280 2 230 - 315 2	08/1/60 0).5 15).5 15	29	1 - 9	A,B A.B				
	AH216 AH217	BC2A BC2A	HP2 TR	ANE TPEFYP018MA14	4A DAIKIN, MITSUBISHI 3A DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC	18.0	20.0	618 - 883 2 212 - 300 2	08/1/60 3 08/1/60 2	3.0 15 2.0 15	58 49	1 - 9 1 - 9	A,B,C				
	AH301 AH302	BC3	HP3 TR	ANE TPLFYP018FM14	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY	18.0	20.0	315 - 460 2 212 - 300 2	08/1/60 0 08/1/60 2	0.5 15	32	1 - 9 1 - 9	A,B				
	AH303	BC3 BC3	HP3 TR	ANE TPLFYP005FM14	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY	5.0	5.6	230 - 280 2 230 - 315 2	08/1/60 0 08/1/60 0	0.5 15	29	1-9	A,B				
c	AH305	BC3 BC3	HP3 TR	ANE TPEFYP015MA14	4A DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC	15.0	17.0	230 - 313 2 353 - 494 2 220 - 345 2	08/1/60 0 08/1/60 0	3.0 15 3.0 15	58	1-9	A,B,C				
	AH307	BC3 BC3	HP3 TR	ANE TPEFYP018MA14	5A DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC	18.0	20.0	230 - 313 2 618 - 883 2 212 - 200 2	08/1/60 3	3.0 15 0 15	58	1-9	A,B,C				
	AH309	BC3 BC3	HP3 TR HP3 TR	ANE TPEFYP008MA14	4A DAIKIN, MITSUBISHI 4A DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC HORIZONTAL DUCTED - MED STATIC	15.0	17.0	212 - 300 2 353 - 494 2 200 200	08/1/60 2 08/1/60 3	3.0 15 3.0 15	58	1-9	A,B,C				
	AH401	BC3 BC4	HP3 TR HP4 TR	ANE TPLFYP005FM14 ANE TPLFYP018FM14	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY CASSETTE - 4 WAY	18.0	20.0	230 - 280 2 315 - 460 2	08/1/60 0 08/1/60 0	1.5 15 0.5 15	32	1-9 1-9	A,B A,B				
	AH402 AH403	BC4 BC4	HP4 TR HP4 TR	ANE TPLFYP005FM14 ANE TPLFYP005FM14	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	5.0	5.6	230 - 280 2 230 - 280 2 230 - 280 2	08/1/60 0 08/1/60 0	0.5 15 0.5 15	29 29	1 - 9 1 - 9	A,B A,B				
	AH404 AH405	BC4 BC4	HP4 TR HP4 TR	ANE TPLFYP005FM14 ANE TPLFYP005FM14	DB DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	5.0	5.6	230 - 280 2 230 - 280 2	08/1/60 0 08/1/60 0	0.5 15 0.5 15	29 29	1 - 9 1 - 9	A,B A,B				
	AH406 AH407	BC4 BC4	HP4 TR HP4 TR	ANE TPEFYP006MA14 ANE TPLFYP012FM14	4A DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC CASSETTE - 4 WAY	6.0 12.0	6.7 13.5	212 - 300 2 245 - 335 2	08/1/60 2 08/1/60 0	2.0 15 0.5 15	47 32	1-9	A,B,C A,B				
	AH408 AH409	BC4 BC4	HP4TR.HP4TR.	ANE TPLFYP018FM14 ANE TPLFYP018FM14	DB DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	18.0	20.0 20.0	315 - 460 2 315 - 460 2	08/1/60 0 08/1/60 0	0.5 15 0.5 15	32 32	1 - 9 1 - 9	A,B A,B				
	AH410 AH411	BC4 BC4	HP4TR.HP4TR.	ANE TPLFYP008FM14 ANE TPEFYP012MA14	DB DAIKIN, MITSUBISHI 4A DAIKIN, MITSUBISHI	CASSETTE - 4 WAY HORIZONTAL DUCTED - MED STATIC	8.0	9.0 13.5	230 - 315 2 265 - 371 2	08/1/60 0 08/1/60 3	0.5 15 3.0 15	29 47	1 - 9 1 - 9	A,B A,B,C				
	AH412 AH501	BC4 BC5	HP4 TR. HP5 TR.	ANE TPLFYP015FM14 ANE TPLFYP018FM14	DBDAIKIN, MITSUBISHIDBDAIKIN, MITSUBISHI	CASSETTE - 4 WAY CASSETTE - 4 WAY	15.0 18.0	17.0 20.0	265 - 390 2 315 - 460 2	08/1/60 0 08/1/60 0	0.5150.515	32 32	1 - 9 1 - 9	A,B A,B				
	AH502 AH503	BC5 BC5	HP5TR.HP5TR.	ANE TPLFYP005FM14 ANE TPEFYP008MA14	DBDAIKIN, MITSUBISHI4ADAIKIN, MITSUBISHI	CASSETTE - 4 WAY HORIZONTAL DUCTED - MED STATIC	5.0 8.0	5.6 9.0	230 - 280 2 212 - 300 2	08/1/60 0 08/1/60 2	0.5152.015	29 47	1 - 9 1 - 9	A,B A,B,C				
	AH504 AH505	BC5 BC5	HP5TR.HP5TR.	ANE TPLFYP012FM14 ANE TPEFYP018MA14	DBDAIKIN, MITSUBISHI5ADAIKIN, MITSUBISHI	CASSETTE - 4 WAY HORIZONTAL DUCTED - MED STATIC	12.0 18.0	13.5 20.0	245 - 335 2 618 - 883 2	08/1/60 0 08/1/60 3	0.5 15 3.0 15	32 58	1 - 9 1 - 9	A,B A,B,C				
	AH506 AH507	BC5 BC5	HP5TR.HP5TR.	ANE TPEFYP006MA14 ANE TPLFYP005FM14	4A DAIKIN, MITSUBISHI DB DAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC CASSETTE - 4 WAY	6.0 5.0	6.7 5.6	212 - 3002230 - 2802	08/1/60 2 08/1/60 0	2.0 15 0.5 15	47 29	1 - 9 1 - 9	A,B,C A,B				
в	AH508 AH509	BC5 BC5	HP5TR.HP5TR.	ANE TPEFYP018MA14 ANE TPKFYP008LM14	5ADAIKIN, MITSUBISHIDBDAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC WALL MOUNTED	18.0 8.0	20.0 9.0	618 - 8832141 - 2372	08/1/60 3 08/1/60 0	3.0150.515	58 25	1 - 9 1 - 9	A,B,C A,B				
	AH510 AH511	BC5 BC5	HP5TR.HP5TR.	ANE TPEFYP012MA14 ANE TPEFYP012MA14	4ADAIKIN, MITSUBISHI4ADAIKIN, MITSUBISHI	HORIZONTAL DUCTED - MED STATIC HORIZONTAL DUCTED - MED STATIC	12.0 12.0	13.5 13.5	265 - 371 2 265 - 371 2	08/1/60 3 08/1/60 3	3.0 15 3.0 15	47 47	1 - 9 1 - 9	A,B,C A,B,C				
	AH512 NOTES:	BC5 1 REFER TO SPE	HP5 TR	ANE TPLFYP018FM14 FURTHER INFORMATION.	DB DAIKIN, MITSUBISHI	CASSETTE - 4 WAY	18.0	20.0	315 - 460 2	08/1/60 0).5 15	32	1 - 9	A,B				
		2 MAXIMUM COC3 MAXIMUM HEA	LING CAPACITIES	ARE BASED ON INDOOR C ARE BASED ON INDOOR C	OIL EAT OF 80/67°F (DB), OUT DIL EAT OF 70°F (DB), OUTDC	DOOR OF 95°F (DB) OR OF 23°F (DB)												
		4 PROVIDE MANU 5 REFER TO SCH	JFACTURER'S EXT IEMATIC PIPING/CO	ENDED PARTS WARRANT	Ý PERIOD OF TEN (10) YEARS HANICAL DRAWINGS FOR IN	FROM DATE OF START-UP. DICATION OF REQUIRED INDOOR UNIT RE	EMOTE CONTROLLERS	S, SYSTEM CON	FROLLERS, AND I	NTEGRATION	DEVICES.							
		6 FACTORY STAF7 PROVIDE OWN	RTUP BY THE MAN ER TRAINING ONC	UFACTURER. E COMMISSIONING IS COM	PLETE.													
		8 INSTALL PLAST 9 INSTALL SYSTE	TIC COVERS ON AL	L EXPOSED REFRIGERAN	PIPING AND ENSURE THEY	MATCH THE SURROUNDING SURFACES O FIRM FINAL LOCATION WITH OWNER.	OR WALLS FOR A CLEA	N, PROFESSION	IAL APPEARANCI									
	ACCESSORIES:	A IF CONSTRUCT B PROVIDE ENGI	TION DOES NOT AL NEER APPROVED	LOW FOR GRAVITY DRAIN MINI CONDENSATE PUMP	AGE OF CONDENSATE, PRO F GRAVITRY DRAIN CANNOT	IDE CONDENSATE PUMP. BE ACEHIVED.												
		C PROVIDE FILTE	ER BOXES ON DUC	TED FAN COIL UNITS UNL	IF NOT HARD DUCTED TO A	FILTERED RETORN GRILLE.												
			ERANT F		DR UNIT SCHE				MIN		TRICAL				SOLIND			2
			DESIGN MFR	MODEL	APPROVED MFRS	DMINAL CORRECTED DESIGN OAT DTAL (MBH) TOTAL (MBH) DB (°F)	NOMINAL COF	RRECTED DES	SIGN OAT (°F)	COP VOLT	AGE MCA /HZ) (A)	A MOCP 1 (A)	TYPE ADDITION (EST.) (LB	IAL TOTA	L (EST.) (dBA)	(LBS)	TES ACCESSORIE	
	HP1	AH101 - AH108	TRANE	TURYE1684AN41AN		168.0 165.4 93.	.0 188.0	128.6	21.2 21.4	4 3.5	460/3/60 3	35.0 50 F	R410A	51.3	75.2 81.5/85.5	810	1 - 9	A,B,C
	HP2 HP3	AH201 - AH217 AH301 - AH310	TRANE	TURYE1204AN41AN	DAIKIN, MITSUBISHI DAIKIN, MITSUBISHI	120.0 113.0 93. 96.0 91.6 93.	.0 135.0 .0 108.0	92.0	21.2 22.3 21.2 22.3	3 3.8 3 4.1	460/3/60 2 460/3/60 2 460/3/60 2	26.0 40 F 20.0 30 F	R410A	48.5 29.3	66.2 80.5/80.5 47.0 77.5/79.0	660	1 - 9 1 - 9	A,B,C A,B,C
A	HP4 HP5	AH401 - AH412 AH501 - AH512		TURYE1204AN41AN TURYE1204AN41AN	DAIKIN, MITSUBISHI	120.0 112.2 93. 120.0 114.9 93.	.0 135.0 .0 135.0	92.3	21.2 22.3 21.2 22.3 21.2 22.3	3 3.8 3 3.8	460/3/60 2 460/3/60 2	26.0 40 F 26.0 40 F	R410A R410A	30.5 27.9	48.2 80.5/80.5 45.5 80.5/80.5	660 660	1 - 9 1 - 9	A,B,C A,B,C
	NOTES.	2 MAXIMUM COOL 3 MAXIMUM HEAT	ING CAPACITIES A	RE BASED ON INDOOR CC	IL EAT OF 80/67°F (DB/WB), C IL EAT OF 70°F (DB), OUTDOO	UTDOOR OF 95°F (DB). DR OF 43°F (DB).												
		4 EFFICIENCY VAL 5 PROVIDE MANU	LUES FOR EER, IEE FACTURER'S EXTE	ER, COP ARE BASED ON AH ENDED PARTS WARRANTY	IRI 1230 TEST METHOD FOR PERIOD OF TEN (10) YEARS I	MIXTURE OF DUCTED & NON-DUCTED IND FROM DATE OF START-UP.	OOR UNITS.											
		6 PROVIDE TRAIN 7 REFER TO SCHE 8 V/RE SVSTEM OF	ING PER SPECIFIC	AITONS ONCE COMMISSIC NTROL DIAGRAM ON MECH	NING IS COMPLETE. IANICAL DRAWINGS FOR IND	ICATION OF REQUIRED INDOOR UNIT REM	MOTE CONTROLLERS,	SYSTEM CONT	ROLLERS, AND IN	ITEGRATION D	EVICES.							
	ACCESSORIES:	9 REFER TO DETA A PROVIDE CORR	IL A4/M-502 FOR V OSION COATED CO	IBRATION ISOLATION MOL	NTING GUIDELINES.													
		B PROVIDE A PHA C PROVIDE EQUIP	SE MONITOR (ICM4 MENT-SPECIFIC R	450A OR APPROVED EQUA OOF RAILS. CONTRACTOR	L) IN A NEMA 3R ENCLOSURE SHALL FIELD VERIFY DIMEN	ON THE OUTDOOR UNIT. FIELD INSTALLE SIONS BEFORE ORDERING. RAILS SHALL E	ED BY M.C. BE WIND-RATED, INCL	UDING RESTRA	INTS AND FASTE	NERS, AND SU	IPPLIED WITH	I ENGINEER CE	RTIFICATION.					
		1				2					3						4	
		-			<u> </u>						~				1		-	

DRAWING CODE		BASIS OF	BASIS OF DESIGN	ALTERNATE	POWER INP	UT (RATED)	ELECTRICAL			WEIGHT	NOTES	ACCESSORIES
		DESIGN MFR	MODEL	APPROVED MFRS	COOLING (KW)	HEATING (KW)	VOLTAGE (V/PH/HZ)	MCA (A)	MOCP (A)	(LBS)		
BC1		TRANE	TCMBM1012JA21N4	DAIKIN, MITSUBISHI	0.198	0.106	208/1/60	1.2	-	. 133	1,2,3	A,E
BC2A		TRANE	TCMBM1016KA21N4	DAIKIN, MITSUBISHI	0.258	0.137	208/1/60	1.6	-	. 133	1,2,3	A,E
BC2B		TRANE	TCMBS0108KB21N4	DAIKIN, MITSUBISHI	0.122	0.061	208/1/60	0.7	-	. 69	1,2,3	A,E
BC3	-	TRANE	TCMBG1012SJ11N4	DAIKIN, MITSUBISHI	0.182	0.091	208/1/60	1.1	-	. 109	1,2,3	A,E
BC4		TRANE	TCMBG1016SJ21N4	DAIKIN, MITSUBISHI	0.243	0.122	208/1/60	1.5	-	. 131	1,2,3	A,E
BC5		TRANE	TCMBG1016SJ21N4	DAIKIN, MITSUBISHI	0.243	0.122	208/1/60	1.5	-	. 131	1,2,3	A,E
NOTES:	1	REFER TO	SPECIFICATIONS FOR FU	RTHER INFORMATION.					1			
	2	PROVIDE G	RAVITY DRAIN CONDENS	ATE PIPING.								
	3	INCLUDE D	AMONDBACK BALL VALV	ES BV-SERIES, 700PSIG W	ORKING PRE	SSURE, FULL	PORT, 410A RA	ATED.				
ACCESSORIES:	А	SUCTION A	ND LIQUID LINES SERVIC	E ISOLATION VALVES FOR	R ALL PORTS.		· ·					
	в	PROVIDE F	NGINEER APPROVED MIN	I CONDENSATE PUMP IF	GRAVITY DRA	IN CANNOT BI	EACEHIVED					

		10.11.24 Date:
D		0 ISSUED FOR CONSTRUCTION Revision No: DESCRIPTION:
С	Dineers, PLLC	Drive Phone: 910.791.4000 IC 28401 Fax: 910.791.5266 www.cbhfengineers.com BHF Engineers. PLLC NC# P-0506
		2246 Yaupon Wilmington, N © Copyright 2024 CE
	CONSCIENCES CONSC	RO <i>N</i> <i>N</i> <i>N</i> <i>N</i> <i>N</i> <i>N</i> <i>N</i> <i>N</i>
В	HELP BUILDING REPLACEMENT N. FRONT STREET INGTON, NC 28401	CHEDULES
Α	SELF H HVAC I 272 N WILMII	ME
	JOB NO.: DRAWN: DESIGNED: CHECKED: DRAWIN	24069 CRG CRG CRG
	REVIS	501 ION:
	0	

		1				2				3			4	
Г														
	DEDICA	TED OUTS		UNIT SCHE	DULE (PART 1 OF 2)									
	DRAWING COD	DE DESIGN BASIS	MODEL ER	ALTERNATE APPRC	VED SYSTEM TYPE SA/OA FAN	/IN ESP FAN	RA/EA FAN	ESP FAI	NATU N MOTOR GAS I	RAL GAS HEATING	ELECTRICAL	REFRIG. UNIT	CURB NOTES	ACCESSORIES
					(CFM) (CFM) (CFM)	CFM) (IN H2O) QTY	(HP) (CFM) (CF	M) (IN H2O) QT	Y (HP) (MBH)) (MBH)	(V/PH/HZ) (A)	(A) (LBS)	(LBS)	
	DOAS1 NOTES:	TRANE 1 REFER TO SPE	OADG020F3	PREMISYS, GREEN	HECK ELECTRIC / GAS HEAT 3,265 3,265 MENTS.	1,446 2.50	1 5 2,775 3	,039 1.50	1 2	150.0 120.0 M	ODULATING 460/3/60	7.7 60 R-454B 4,	338 159 1 - 7	7 A - U
		2 HORIZTONTAL	DISCHARGE / HO	RIZONTAL RETURN.										
		3 EFFICIENCY RA 4 DX COOLING C	ATED IN ACCORD OIL LEAVING AIR	ANCE WITH ANSI/AHRI CONDITIONS SHALL M	STANDARD 340/360. IEET PERFORMANCE REQUIREMENTS AT MAX/MIN AI	RFLOW, AND ALL FOUR P	PART-LOAD CONDITIONS	SPECIFIED BY AH	RI 920-2020. THE UNIT	MUST BE TESTED AND CE	RTIFIED IN ACCORDANCE WITH	AHRI 920-2020 STANDARDS.		
		5 UNIT TO OPER		D MODE FROM 6:00 AM	TO 7:00 PM (ADJ.). CONTRACTOR TO CONFIRM SCHE	DULE WITH BUILDING OW	WNER.							
ש		7 UNIT TO COMM	IUNICATE WITH V	(RF SYSTEM CONTROL	IIMUM VENTILATION SETTINGS UNLESS OVERRIDDEN LER FOR OCCUPANCY CONTROL VIA DI/DO SENSOR	I BY OCCUPANCY SENSO	OR OTHER CONTROL	SIGNAL.						
	ACCESSORIES	B: A SINGLE POINT	ELECTRICAL CON	NNECTION PREFFERE	D. IF NOT USED, CONTRACTOR IS RESPONSIBLE FOR	COORDINATING WITH EL	ECTRICAL CONTRACTO	R AND ANY COST	INCREASE.					
		C CONVENIENCE	E OUTLET											
		D CONDENSER C E PHASE AND VC	COIL HAIL GUARD	S R										
			SS PANELS											
		H FILTERS: ALUM	/INUM MESH FILT	ERS AND GALVANIZED	MESH BIRD SCREEN INSTALLED ON INTAKE. ONE R	OURD SHALL BE OW OF 2" MERV 8 PLEATE	ED MEDIA FILTERS PRIO	R TO EVAPPRATOR	R COIL. 6" FILTER RACK	KUPSTREAM OF EVAPORA	TOR.			
		I INSULATED FLC	OOR AND DRAIN EEL DRAIN PAN	PAN										
		K OA DAMPER W	ITH 2-POSITION A		R CLASS 1A LEAKAGE						4 0 4 4 7			
		M ALL COILS (CO	DOUBLE-WALL CO NDENSER, EVAP	ORATOR, AND HG REH	EAT) TO BE COATED FOR EXPOSURE TO ASTM B117	10,000+ HOURS FOR SAL ⁻	T SPRAY RESISTANCE T	EST WITH NO DEG	RADATION.	N COMPLIANCE WITH ASTN	// B117.			
		N AIR COOLED C O VARIABLE SPE	ONDENSER WITH ED SUPPLY, EXH	I VARIABLE SPEED HE	AD PRESSURE ER FANS									
		P SUPPLY AND E	EXHAUST FAN AIR											
		R LOW NOISE CC	ONDENSER FANS	AND COMPRESSOR S	OUND WRAPS									
		S DISCHARGE AI T FACTORY STAF	R TEMPERATURE	E CONTROLS WITH TOU R PARTS AND LABOR V	JCHSCREEN DISPLAY PANEL VARRANTY BY THE EQUIPMENT MANUFACTURER									
		U 5-YEAR PARTS	WARRANTY ON	ALL COMPRESSORS. 2	5-YEAR PARTS WARRANTY ON HEAT EXCHANGER.									
												P NOTES	ACCESSORIES	
	DRAWING COD	MANUFACTURE		SA EAT RA EA	FIGT DAY DX COOLING - SOMMER - HOT DAY T SA LAT NET TOT NET SEN	S EFFICIENCY SA	EAT RA EAT S	A LAT SA LAT	NET TOT NET SE	ID DAT ING	LAT CAP SA EAT RA	EAT SA LAT	ACCESSORIES	
C				(°F/°Fwb) (°F/°Fw	/b) (°F/°Fwb) (°F/°Fwb) CAP (MBH) CAP (MBI	1) (°F 109.6 FER 15.4	F/°Fwb) (°F/°Fwb) (°I	F/°Fwb) (°F/°Fwb) CAP CAP (M 7 8 (MBH)08 9	BH) (°F)) (MBH) (°F/°Fwb) (°F/	°Fwb) (°F/°Fwb)	1 Δ	
	NOTES:	1 REFER TO PAR	RT 1 OF 2 FOR NO	TES.	02.3 01.1/03.9 41.0/47.3 207.3		04.0/19.0 13.0/02.3	10.1/10.2 40.3/4	7.0 200.9	97.7 EEK 10.5	10.0 90.9 20.0/24.0 1	0.0/00.0 34.3/40.1		
	ACCESSORIES	E A REFER TO PAR	RT 1 OF 2 FOR AC	CESORIES.										
							F							
		DESIGN MODEL		SUPPLY FAN E		DX COOLING COIL		HOT GAS RE	EHEAT COIL					
	CODE	BASIS MFR	EAT S	SUPPLY DESIGN E	AT LAT TOT CAP. SENS CAP. EAT	LAT DEW o °E) (db/wb °E) POIN	MRC MRE	EAT (DB LAT (DB	DEW CAP.					
			(DB °F) (CFM) (CFM)		(dp °F	⁻) H20/hr.)		(DP °F)					
		_	84 70		84/79 78.1/70.2 340.6 102.0 78.1 70/68 73.3/65.2 197.2 88.2 73.3	'70.2 49.3/47.6 46.7 /65.2 48.4/47.3 46.	.2 199.90 10.22 4 111.70 5.07	49.3 74.6 48.4 75	46.2 93.4 46.4 98.3					
	DOAS1	TRANE OA	66	3265 3265	66/64 71.9/63.5 148.6 79.4 71.9 62/61 62/61 110.4 47.9 63	/63.5 49.5/47.8 46.	4 83.50 4.01	49.5 74.4	46.4 92.1					
			59		03/01 03/01 119.4 47.8 03 59/57 59/57 79.8 32.9 59	61 49.3/47.7 46. /57 49.7/47.8 46.	.3 66.10 3.36 .4 43.20 3.70	49.5 74.3 49.7 74.8	46.4 92.8					
											-			
		ERS, REGR						FINISH						
		MANUFACTURE	ER DESIGN			(IN.)	SIZE (IN.)		MOONTING					
	<u></u>	DDICE							ТРАР	1.2				
	S2	PRICE	ASCD	METALAIRE, TITUS	SQUARE CEILING DIFFUSER	SUPPLY 8	Ø 24 X 24 ALOMINO Ø 24 X 24 ALUMINU	M WHITE	T-BAR	1,2	A			
	S3	PRICE	ASCD	METALAIRE, TITUS	SQUARE CEILING DIFFUSER	SUPPLY 10!	Ø 24 X 24 ALUMINU	M WHITE	T-BAR	1,2	Α			
В	S4 S5	PRICE PRICE	620	METALAIRE, TITUS	DOUBLE DEFLECTION LOUVER FACE DIFFUSER	SUPPLY 8 X SUPPLY 10 X	6 10 X 8 ALUMINU	M WHITE M WHITE	WALL SURFACE	1,2	A			
	S6	PRICE	620	METALAIRE, TITUS	DOUBLE DEFLECTION LOUVER FACE DIFFUSER	SUPPLY 12 X	8 14 X 10 ALUMINU	M WHITE	WALL SURFACE	1,2	A			
	S7	PRICE	620	METALAIRE, TITUS	DOUBLE DEFLECTION LOUVER FACE DIFFUSER	SUPPLY 14 X	8 16 X 10 ALUMINU	M WHITE	WALL SURFACE	1,2	A			
	58 S9	PRICE	620	METALAIRE, TITUS	DOUBLE DEFLECTION LOUVER FACE DIFFUSER	SUPPLY 14 X 1 SUPPLY 12 X	12 16 X 14 ALUMINU 8 14 X 10 ALUMINU	M SEE NOTE 3 M WHITE	DUCT SURFACE	1,2,3	<u>А</u> А,В			
	Т1	PRICE	630	METALAIRE, TITUS	FIXED FACE GRILLE	TRANSFER 14 X 1	14 16 X 16 ALUMINU	M SEE NOTE 3	WALL SURFACE	1,2,3	-			
	R1	PRICE	630	METALAIRE, TITUS	FIXED FACE GRILLE	RETURN 22 X 2	22 24 X 24 ALUMINU 22 24 X 24 ALUMINU	M WHITE	T-BAR	1,2,4	- _			
	E2	PRICE	630	METALAIRE, TITUS	FIXED FACE GRILLE	EXHAUST 10 X 1	10 12 X 12 ALUMINU	M WHITE	CEILING SURFACE	1,2,4	A			
	E3	PRICE	630	METALAIRE, TITUS	FIXED FACE GRILLE	EXHAUST 14 X	8 16 X 10 ALUMINU	M SEE NOTE 3	WALL SURFACE	1,2,3,4	A			
	E4 NOTES:	PRICE 1 REFER TO SPE		METALAIRE, TITUS	FIXED FACE GRILLE ION.	EXHAUSI 24 X	8 26 X 10 ALUMINU	M SEE NOTE 3	DUCT SURFACE	1,2,3,4	_A			
		2 DUCT BRANCH	CONNECTION SI	ZE TO BE EQUAL TO T	HE NECK SIZE OF DIFFUSER UNLESS NOTED OTHER	VISE ON PLANS.								
		3 COORDINATE F			IG SURFACES OR WALL FOR A CLEAN PROFESSIONA	L APPEARANCE.								
	ACCESSORIES	A VOLUME DAMP	PER	THROUGH GRILLES AN	ID REGISTERS FLAT BLACK.									
		B INTEGRAL VOL	UME DAMPER											
A														

5		. <u>11.24</u> Date:
	5	0 ISSUED FOR CONSTRUCTION 0 ISSUED FOR CONSTRUCTION 0 ISSUED FOR CONSTRUCTION 0 DESCRIPTION:
c		CONSTRUE HILL CONSTRUE HILL CONSTRUE PLLC CONSTRUE PLDC CONTRUE PLDC CONTRUE
В	3	THELP BUILDING C REPLACEMENT C REPLACEMENT C N. FRONT STREET 10/12/2024 Invited on NC 28401 A CHANICAL SCHEDULES SCHEDULES
A		BAWN: CRG DESIGNED: CRG DESIGNED: CRG DESIGNED: CRG CHECKED: CRG DERWING NO: DRAWING NO:
5		0

4 5	_]	0.11.24 Date:
41AN 30.0 ft Pipe Dia Liquid / Gas Model Number Elevation Clg Total (Sens.) Pipe Length (Elbows) address / Group / Room / Tag Ref TCMBM1012JA21N4 / BC1 10.0 ft 52 197.043 BTU/h (135.536 BTU/h) 234.084 BTU/h 1/4 / 1/2 TPLFYP018FM140B 10.0 ft 16.970 BTU/h (10.864 BTU/h)		
75.0ft (0) 1 / 1 / AH101 1/4 / 1/2 TPLFYP012FM140B 10.0 ft 50.0ft (0) 2 / 2 / AH102 3/8 / 5/8 TPVFYP036AM141A 10.0 ft 3/8 / 5/8 TPVFYP036AM141A 10.0 ft 39.997 BTU/h	D	ISSUED FOR CONSTRUC
<u>3/8 / 5/8</u> <u>3/8 / 5/8</u> <u>50.0ft (0)</u> <u>4 / 4 / AH104</u> <u>50.0ft (0)</u> <u>3/3 / 3 / AH103</u> <u>50.911 BTU/h (33,414 BTU/h)</u> <u>59.996 BTU/h</u>		Revision No
3/8 75/8 TPKFYP024KM142B 8.0 ft 22.627 BTU/h (17.261 BTU/h) 50.0ft (0) 57.5 / AH105 26.998 BTU/h 26.998 BTU/h		■ 910.791.4000 910.791.5266 010.791.5266 010.791.5266
3/8 5/8 TPKFYP030KM142B 8.0 ft 28,284 BTU/h (19,748 BTU/h) 90.0ft (0) 6 / 6 / AH106 33,998 BTU/h 33,998 BTU/h		PLL,
3/8 / 5/8 120.0ft (0) 7 / 7 / AH107 28.284 BTU/h (19,748 BTU/h) 33,998 BTU/h	С	Deers, PLLC
1/4 1/2 TPLFYP005FM140B 10.0 ft 50.0ft 0 8 / 8 / AH108 4,714 BTU/h (3,825 BTU/h) 5,600 BTU/h 5,600 BTU/h		Engi Engi 2246 Yaupon Drive Wilmington, NC 28
0.0ft (0)		^C SEAL 055307 ^N GINE ^C V OR R OR C 10/15/2024
0.0ft (0)		
	B	
PIPING DIAGRAM NOTES 1. PIPING LENGTHS SHOWN ARE A REPRESENTATIVE ESTIMATE. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING PIPING LENGTHS USIMG MOST DIRECT ROUTING WHILE MAINTAING ACCEPTABLE CONCEALMENT. PIPE ROUTING SHALL BE APPROVED BY GENERAL CONTRACTOR AND ENGINEER.		HELP BUILDING C REPLACEMENT 2 N. FRONT STREET MINGTON, NC 28401 MECHANICAL F SCHEMATIC PIPING DIAGRAM
	Α	
		JOB NO.: 24069 DRAWN: CRG DESIGNED: CRG
DIAGRAM - HP1		

	5			10.11.24 Date:
	Pipe Dia. Liquid / Gas Model Number Elevation Cig Total (Sens.) Pipe Length (Elbows) Address/ Group / Room / Tag Ret			
11N4 / BC3 30	1.0 ft 78 100,053 BTU/h (75,123 BTU/h) 118,819 BTU/h			
1/4 / 1/2 50.0ft (0)	TPLEYP018FM140B 30.0 ft 27 / 27 / AH301 16,990 BTU/h (10,873 BTU/h)	D		NSTRUCTION
1/4 / 1/2 50.0ft (0)	TPEFYP006MA144A 30.0 ft 5.663 BTU/h (4.972 BTU/h) 28 / 28 / AH302 6,695 BTU/h			ED FOR CON
1/4 / 1/2 50.0ft (0)	TPLEYP005EM140B 30.0 ft 4,719 BTU/h (3,827 BTU/h) 5,596 BTU/h			0 ISSU
1/4 / 1/2 75.0ft(0)	TPLFYP008FM140B 30.0 ft 7,551 BTU/h (5,518 BTU/h) 30 / 30 / AH304			00 66 Revisi
1/4 / 1/2 65.0ft (0)	TPEFYP015MA144A 30.0 ft 14,158 BTU/h (10,122 BTU/h) 31 / 31 / AH305			910.791.40 910.791.52 .cbhfengineers.c
1/4 / 1/2 75.0ft (0)	TPLFYP008FM140B 30.0 ft 7.551 BTU/h (5.518 BTU/h) 32 / 32 / AH306			Phone: Fax: www
1/4 / 1/2 30.0ft (0)	TPEFYP018MA145A 30.0 ft 16,990 BTU/h (14,668 BTU/h) 33 / 33 / AH307 19,986 BTU/h	c		401
1/4 / 1/2 30.0ft(0)	TPEFYP008MA144A 30.0 ft 7,551 BTU/h (5,676 BTU/h) 34 / 34 / AH308			aupon Drive Jton, NC 28.
1/4 / 1/2 75.0ft (0)	TPEFYP015MA144A 30.0 ft 14,158 BTU/h 10,122 BTU/h 35 / 35 / AH309 16,988 BTU/h			2246 Ya Wilming
1/4 / 1/2 20.0ft (0)	TPLFYP005FM140B 30.0 ft 4,719 BTU/h (3,827 BTU/h) 36 / 36 / AH310		PTHES CALL CALL CALL CALL CALL CALL CALL CAL	NRO ONAL
0.0ft (0)			CONTRACTOR NOT	GREE 10/15/202
0.0ft (0)				
	PIPING DIAGRAM NOTES			
	1. PIPING LENGTHS SHOWN ARE A REPRESENTATIVE ESTIMATE. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING PIPING LENGTHS USIMG MOST DIRECT ROUTING WHILE MAINTAING ACCEPTABLE CONCEALMENT. PIPE ROUTING SHALL BE APPROVED BY GENERAL CONTRACTOR AND ENGINEER.	B	UILDING CEMENT STREET VC 28401	ICAL MATIC
			HELP E REPLA N. FRONT INGTON, I	SCHE
			SELF F HVAC	
		A		
			JOB NO.:	2406

DESIGNED:

CHECKED:

DRAWING NO:

M-704

REVISION:

0

CRO

REVISION:

