SCOPE OF WORK

USE EXISTING 4 TON WATER SOURCE HEAT PUMP UNITS. PROVIDE MODIFICATIONS TO DUCT AS SHOWN AND PROVIDE NEW \P DUCTWORK WHERE NECESSARY AND PROVIDE NECESSARY ACCESSORIES FOR COMPLETE HVAC SYSTEMS.

PROVIDE 1 EXHAUST FANS FOR SHOWER ROOMS. COORDINATE WITH GC ANY ADDITIONAL REFRIGERATION WORK REQUIRED AND PLUMBING CONTRACTOR PROVIDING CONDENSATE LINES FOR MECHANICAL EQUIPMENTS.

EXISTING CONTIDITONS NOTES

STOP AND READ THE CONTRACTOR AND SUB-CONTRACTORS SHALL NOT INITIATE ANY WORK UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED. THIS SHALL HOLD TRUE FOR FIRST GENERATION AND 2ND GENERATION SPACES. WHEN DEMOLITION IS REQUIRED, THAT WILL BE PERMITTED TO EXPOSE CONDITIONS. THESE VERIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO: DIMENSIONS BOTH HORIZONTALLY AND VERTICAL, ELECTRICAL SERVICE /PANELS LOCATION AND VOLTS/PHASE, LOCATION/QTY OF ROOF MOUNTED HVAC EQUIPMENT, CONFIRM THAT INTERIOR HVAC HUNG UNITS HAVE PROPER SUPPORT CONNECTIONS FOR EXISTING STRUCTURE, FIRE SPRINKLER MAIN RUNS, TOILET ROOM DIMENSIONS, DOOR SWING FOR DOORS TO REMAIN AND ETC. IF NOT VERIFIED AND DISCOVERED AT A LATER TIME, THE CONTRACTOR SHALL REIMBURSE THE ARCHITECT FOR THE REDESIGN FEE. THIS DOES NOT INCLUDE HIDDEN WORK I.E. PITCH OF SANITARY LINES, ACTUAL CONDITIONS OF EXISTING HVAC EQUIPMENT, STRUCTURAL COLUMNS/BEARING WALLS OR CONDITIONS OF GREASE INTERCEPTORS AND ETC.

GENERAL NOTES

- CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET. PAY SPECIAL ATTENTION TO THE RESPONSIBILITY SCHEDULE. WORK DESIGNATED ON SCHEDULE SHALL BE CONSIDERED INCLUDED IN YOUR SCOPE OF WORK AND CONTRACT AMOUNT.
- CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING, OR PROCEEDING WITH WORK.
- DRAWINGS/DETAILS ARE TO BE CONSIDERED DIAGRAMMATIC. NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL MINOR ITEMS. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK. AND CHECK/COORDINATE DRAWINGS OF ALL TRADES.
- COORDINATE WITH THE WORK OF OTHERS SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DRIPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK, OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN THE PLENUM SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 25, AND SMOKE DEVELOPED RATING NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED.
- VERIFY LOCATION OF PERMISSIBLE NEW STRUCTURAL ROOF PENETRATIONS AND ADAPT THE REQUIRED DUCTS ACCORDINGLY. THE OPENINGS MUST BE LOCATED USING A REBAR LOCATOR, TRYING TO LEAVE A TRANSVERSE BAR WITHIN 4" FROM THE OPENING. LOCATE OPENINGS AT MID-DISTANCE BETWEEN THE STEMS OF THE DOUBLE TEE AND LONGITUDINAL REINFORCEMENT SHALL NEVER BE CUT. CALL THE ARCHITECT'S OFFICE IN CASE OF UNEXPECTED DIFFICULTIES.
- ALL A/C AND FRESH AIR ROUND EXPOSED DUCTS WILL BE SPIRAL GALVANIZED AND READY FOR PAINTING. ALL RECTANGULAR DUCTS OVER CEILINGS MAY BE FIBER DUCTS. ALL SG SUPPLY GRILLS WILL BE DOUBLE DEFLECTION WITH VOLUME CONTROLS.
- G.C. SHALL CONTRACT LANDLORD-APPROVED ROOFING CONTRACTOR TO FLASH AND SEAL ALL ROOF PENETRATIONS TO MAINTAIN ROOFING WARRANTY.
- IF APPLICABLE CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR KITCHEN VENTILATION SYSTEM INCLUDING TYPE 1 HOOD AND FOR THE WALK-IN COOLER & FREEZER.
- REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE.
- OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.

MECHANICAL SYMBOLS

ROOF MOUNTED

REMOTE SENSOR

MANUFACTURER

EF-1 @825 CFM

EF-2 @675 CFM

BUILDING PRESSURE

DESIGNATION

MODEL

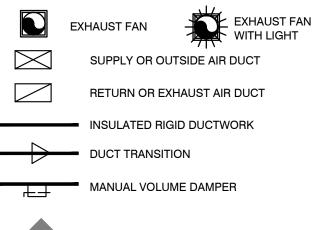
LOCATION

FACE SIZE

EXHAUST FAN OUTLET

DUCT SMOKE DETECTOR

PROGRAMMABLE THERMOSTAT



RETURN DIFFUSER

MECHANICAL PLAN NOTES

USE EXISTING (2) 4 TONS WATER SOURCE HEAT PUMP UNITS.

PROVIDE MODIFICATIONS TO DUCT SYSTEM AS SHOWN.

PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR

DUCT CONNECTIONS. INSTALL FIRE DAMPERS IN ANY FIRE

WALLS AND BETWEEN FLOORS. TRANSITION TO DUCT SIZES.

SHOWN. PROVIDE DUCTWORK AND AIR DISTRIBUTION DEVICES

 $^{\prime}$ as indicated on the plan. Existing ductwork may be $^{\prime}$

REUSED WHERE POSSIBLE. REFER TO A/C UNIT SCHEDULE FOR ADDITIONAL REQUIREMENTS.

FOR SYSTEM OVER 2,000 CFM PROVIDE 120V CHECK FOR DUCT

MOUNTED AIR SMOKE DETECTORS AND THAT MEET THE

REQUIREMENTS OF U.L. 268A, INTERLOCKED TO SHUTDOWN

SMOKE DETECTOR WITH AN ANNUNCIATOR, ALARM AND POWER L.E.D.'S FOR VISIBLE AND AUDIBLE ALARM SIGNAL, AND VISIBLE

TROUBLE SIGNAL. MOUNT ANNUNCIATOR ON ROOM SIDE OF

ALL DUCTS WILL BE FIBERBOARD OR MINIMUM 26 GAUGE

SHEET METAL WITH EXTERNAL DUCT WRAP INSULATION. ALL

DUCTS TO BE MANUFACTURED AND INSTALLED ACCORDING TO

ASHRAE AND SMACNA METAL DUCT CONSTRUCTION STANDARD, LATEST EDITION. ALL MATERIALS WILL CONFORM

THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE TYPE. MOUNT

THERMOSTAT 48" A.F.F. COORDINATE LOCATION OF

ALL INTERIOR AIR DUCTS WITH INSULATION SHALL HAVE A

MINIMUM OF THICKNESS OF 1.5", R-6 INSULATION. EXTERIOR AIR

DUCTS TO HAVE R-8 INSULATION. OUTSIDE AIR DUCTS TO HAVE

ALL SEAMS, JOINTS, ETC WILL BE SEALED TO MAKE AIR DUCT

AIRTIGHT. PRESSURE SENSITIVE MATERIALS AND OTHERS

APPROVED BY LATEST SMACNA. SEALING MATERIALS WILL BE

THE A/C SYSTEM. THE DEVICE SHALL BE ATTACHED TO THE

ALL NEW A/C CONDENSATE DRAINS WILL BE PVC FULL

DIAMETER OF OUTLET AND WILL TERMINATE IN THE NEAREST

ALL EQUIPMENT AND MATERIALS WILL BE INSTALLED

ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND

TESTING AND BALANCING SHALL BE DONE IN ACCORDANCE

WITH SBC-E.C.C.SECTION C408.2.2. BALANCING PROCEDURES

SHALL BE IN ACCORDANCE WITH THE NATIONAL

ENVIRONMENTAL BALANCING BUREAU (N.E.B.B.), THE

ASSOCIATED AIR BALANCE COUNCIL (A.A.B.C) NATIONAL

HANGER ATTACHMENTS TO THE STEEL STRUCTURE WILL BE

RATED POWDER ACTUATED FASTENERS, "C" CLAMPS, WELDED

STUDS, CLAMP HANGERS, JOIST CLAMPS OR OTHER METHODS RECOMMENDED BY SMACNA'S "METAL AND FLEXIBLE

STANDARDS", CHAPTER 4, AND WILL HAVE A MINIMUM SAFETY

DUCTS, CURBS, FANS AND CONTROLS TO BE SUPPLIED AND

INSTALLED BY HOOD CONTRACTOR ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS, THE SBC, NEC AND NFPA 96.

M. ALL HVAC CONTROLS AND CONTROL WIRING SHALL BE

HVAC SYSTEM TO BE TIED INTO MALL ENERGY MANAGEMENT

PROVIDED BY THE MECHANICAL CONTRACTOR.

G. ALL EVAPORATOR UNITS SHALL HAVE A FLOAT SWITCH TO CONTROL OVERFLOW THAT WILL AUTOMATICALLY SHUT DOWN

R-7 INSULATION ACCORDING TO S.E.C.2015-C403.2.8

SECONDARY DRAIN OUTLET ON THE UNIT.

ROOF DRAIN OR INDIRECT WASTE.

MARGIN OF 4:1.

SYSTEM AT TENANTS COST.

ACCORDING TO THE BEST PRACTICE.

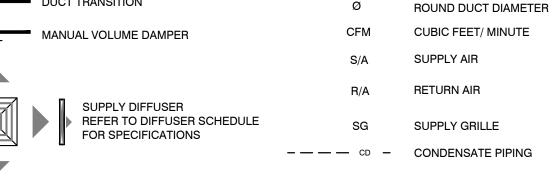
STANDARDS OR EQUIVALENT PROCEDURES.

TO NFPA 90A.

A/C UNIT UPON DETECTION OF SMOKE, IF NECESSARY PROVIDE

FOR SPECIFICATIONS

REFER TO DIFFUSER SCHEDULE



NOTE: THIS PROJECT MAY NOT USE EVERY SYMBOL OR DEVICE APPEARING ON THIS LEGEND.

THERMOSTATIC CONTROLS

THE SUPPLY OF HEATING AND COOLING ENERGY TO EACH ZONE SHALL BE INDIVIDUALLY CONTROLLED BY THERMOSTATIC CONTROLS RESPONDING TO TEMPERATURE.

WHERE USED TO CONTROL BOTH HEATING AND COOLING, ZONE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A TEMPERATURE RANGE OR DEAD BAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM. EXCEPTIONS:THERMOSTATS THAT REQUIRE MANUAL CHANGEOVER BETWEEN HEATING AND COOLING

SETBACK CONTROLS: HEATING SYSTEMS LOCATED IN CLIMATE ZONES 2-8 SHALL BE EQUIPPED WITH CONTROLS THAT HAVE THE CAPABILITY TO AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM AS REQUIRED TO MAINTAIN ZONE TEMPERATURES ABOVE A HEATING SETPOINT ADJUSTABLE DOWN TO 55°F OR LOWER. COOLING SYSTEMS LOCATED IN CLIMATE ZONES 1B, 2B, AND 3B SHALL BE EQUIPPED WITH CONTROLS THAT HAVE THE CAPABILITY TO AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM AS REQUIRED TO MAINTAIN ZONE TEMPERATURES BELOW A COOLING SETPOINT ADJUSTABLE UP TO 90°F OR HIGHER OR TO PREVENT HIGH SPACE HUMIDITY LEVELS.

AUTOMATIC SHUTDOWN:

DIFFUSER SCHEDULE

TDC-AA

SUPPLY

DROP CEILINGS

AS SHOWN

24" X 24"

250-AA (2/3 WAY)

SUPPLY

BATHROOMS

AS SHOWN

12" X 12"

HVAC SYSTEMS SHALL BE EQUIPPED WITH AT LEAST ONE OF THE FOLLOWING: CONTROLS THAT CAN START AND STOP THE SYSTEM UNDER DIFFERENT TIME SCHEDULES FOR SEVEN DIFFERENT DAY-TYPES PER WEEK, ARE CAPABLE OF RETAINING PROGRAMMING AND TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST TEN HOURS, AND INCLUDE AN ACCESSIBLE MANUAL OVERRIDE, OR EQUIVALENT FUNCTION, THAT ALLOWS TEMPORARY OPERATION OF THE SYSTEM FOR UP TO TWO HOURS.

SETPOINT OVERLAP RESTRICTION:

TITUS

350RL

RETURN/EXHAUST

CEILING

AS SHOWN

WHERE HEATING AND COOLING TO A ZONE ARE CONTROLLED BY SEPARATE ZONE THERMOSTATIC CONTROLS LOCATED WITHIN THE ZONE, MEANS (SUCH AS LIMIT SWITCHES, MECHANICAL STOPS, OR, FOR DDC SYSTEMS, SOFTWARE PROGRAMMING) SHALL BE PROVIDED TO PREVENT THE HEATING SETPOINT FROM EXCEEDING THE COOLING SETPOINT MINUS ANY APPLICABLE PROPORTIONAL BAND.

DESIGNATION

MANUFACTURER

STATUS

QUANTITY

MODEL

FAN SCHEDULE

NEW

GREENHECK

CSP-A1300

825 @ 0.7" SP

NEW

GREENHECK

CSP-A1050

BEF-1

EXISTING

GREENHECK

75 @ 0.2" SP

-825 CFM

-675 CFM

0 CFM

SEATTLE BUILDING DEPARTMENT NOTES

ALL WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF 2015 SEATTLE BUILDING CODE, BASE CODE IBC 2015 AND RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO

- THE CONTRACTOR SHALL ENGAGE THE THE SERVICES OF A PROFESSIONAL ENGINEER TO PROVIDE THE REQUIRED SPECIAL INSPECTIONS AND TESTS.
- THE LICENSED PROFESSIONAL ENGINEER, ARCHITECT OR OTHER PERSON HAVING NOT LESS THAN FIVE (5) YEARS EXPERIENCE SUPERVISING THE INSTALLATION OF SUCH MECHANICAL SYSTEMS AND CONDUCTING SUCH TESTS WILL FILE DOCUMENTATION AND REPORTS OF TESTS THAT THE SYSTEM COMPLIES WITH THE CONSTRUCTION DOCUMENTS AND APPLICABLE LAWS.
- TESTS OF MECHANICAL SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE 2015 SEATTLE MECHANICAL CODE, BASE CODE IMC 2015:
 - A. VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES MC 506 B. REFRIGERATION SYSTEMS - MC 1108

- THE FOLLOWING WORK ITEMS, COMPONENTS, MATERIALS, CAPACITIES, ETC. SHALL COMPLY WITH THE REFERENCED CODE OR STANDARD:
- A. DUCT CONSTRUCTION AND INSTALLATION-2015 SEATTLE MECHANICAL CODE, BASE CODE IMC 2015 SECTION 603 B. AIR INTAKES, EXHAUSTS AND RELIEF - 2015 SEATTLE MECHANICAL CODE, BASE CODE IMC 2015 SECTION 401
- MINIMUM TEMPERATURE TO BE MAINTAINED IN OCCUPIED SPACES DURING HEATING SEASON: 68 DEG. FAHRENHEIT.
- . VENTILATION FOR ALL AREA SHALL COMPLY WITH 2015 SEATTLE MECHANICAL CODE, BASE CODE IMC 2015 SECTION 401.
- A STATEMENT SHALL BE FILED BY THE OWNER OR TENANT IN POSSESSION THAT THE VENTILATION SYSTEM WILL BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING THE NORMAL OCCUPANCY OF THE STRUCTURE AS REQUIRED BY 2015 SEATTLE MECHANICAL CODE, BASE CODE IMC 2015 CHAPTER 4 SECTION 403.3.
- REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FIRE-RATED WALL AND SMOKE WALL CONSTRUCTION AND LOCATION.
-). THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.
- IO. MECHANICAL SYSTEMS SHALL BE COMMISSIONED PER 2015 SEATTLE ENERGY CODE, BASE CODE IECC 2015 C403.2.2, C408.2.1, C408.2.5 FINAL COMMISSIONING REPORT SHALL BE DUE WITHIN 90 DAYS OF RECEIPT OF CERTIFICATE OF OCCUPANCY.
- I1. A COMMISSIONING PLAN SHALL BE DEVELOPED BY A LICENSED DESIGN PROFESSIONAL, MECHANICAL ENGINEER OR APPROVED AGENCY. 12. A PRELIMINARY REPORT OF COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE COMPLETED AND CERTIFIED BY THE LICENSED DESIGN PROFESSIONAL, ELECTRICAL
- ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY AND PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT AS PER 2015 SEATTLE ENERGY CODE, BASE
- 13. A WRITTEN REPORT DESCRIBING THE ACTIVITIES AND MEASUREMENTS COMPLETED IN ACCORDANCE WITH SECTION 2015 SEATTLE ENERGY CODE, BASE CODE IECC 2015, C408.2.1. 14. ALL HEATING AND COOLING LOADS CALCULATED PER ASHRAE/ACCA 183.

ADJACEN1

TENANT SPACE

825 CFM

-EXHAUST AIR

EXISTING LOUVER

-FRESH AIR INTAKE

EXISTING LOUVER

750 CFM

CONNECT

-CWR & CWS

TO EXISTING

CONDENSER

675 CFM

1/4" = 1'-0"

HVAC PLAN

-EXHAUST AIR

EXISTING LOUVER

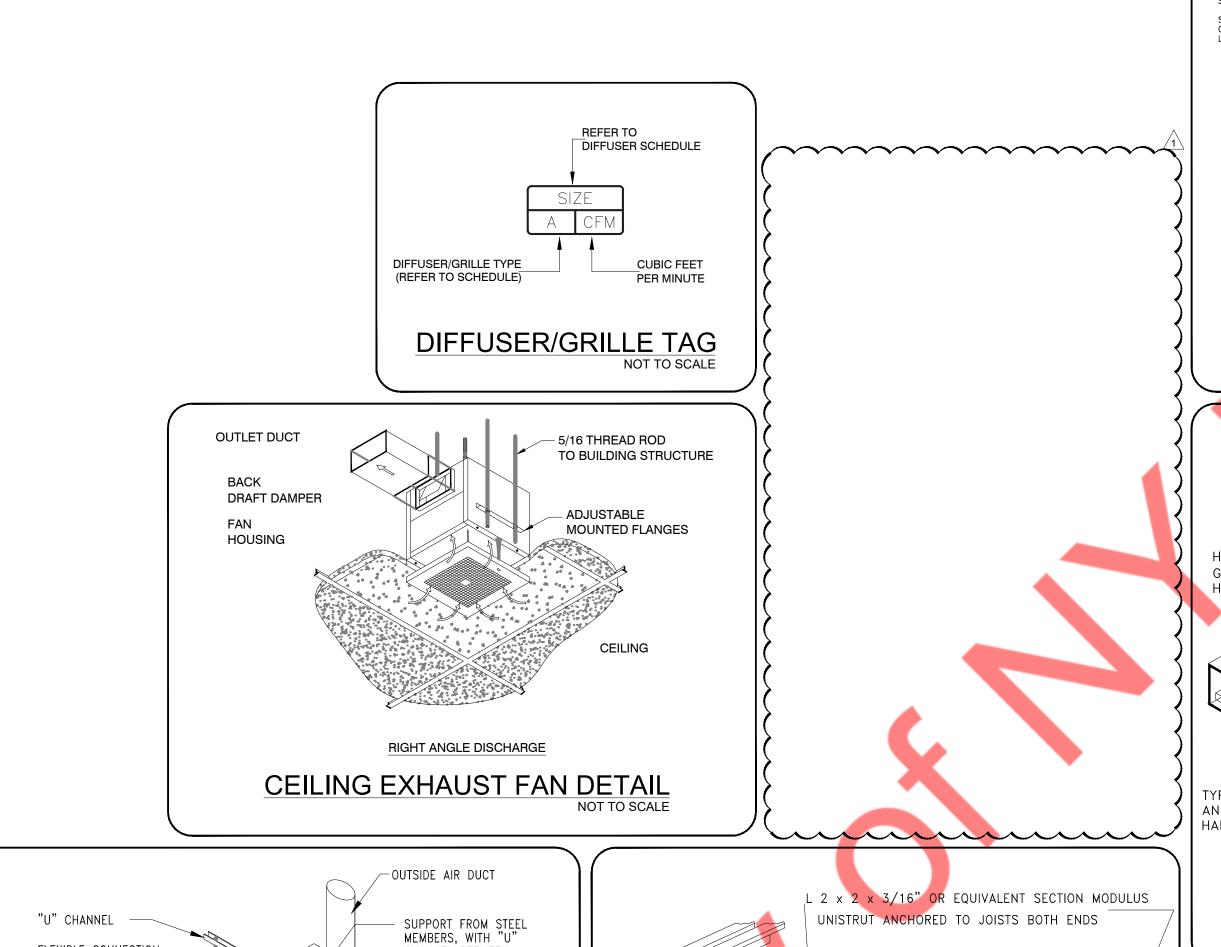
BUILDING LINES

FRESH AIR INTAKE

EXISTING LOUVER

- 15. SMOKE DETECTOR SHALL MEET UL268A.

NECK SIZE TO MATCH DUCT TO MATCH DUCT TO MATCH DUCT WATTS	
FRAME TYPE LAYIN FLANGED LAYIN	
FINISH FIELD PAINTED FIELD PAINTED FIELD PAINTED AMPS - 7.1 5.0	ROOM 24"X24"
NOISE CRITERIA <30 <30 <30 VOLTAGE 115/1/60 115/1/60	C
ACCESSORIES VOLUME DAMPER VOLUME DAMPER CONTROLLER	
WEIGHT (lbs.) EXISTING 56.0 59.0	
	8250
$\frac{1}{2}$	12"X12"
	C 100
WATER SOURCE HEAT PUMP SCHEDULE)	12"X12"
DESIGNATION WSHP-1 WSHP-2	12"X12" \ B 155 \ B 155
STATUS EXISTING EXISTING	
QUANTITY 1 1	8"Ø B 100 - 10"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12
MANUFACTURER VERSATEC VERSATEC	ROOM A DOOM
MODEL UBH048 UBH048	SUITE 12"Ø
TONNAGE 4 4	12"X1
TOTAL BTU's/HR 45,400 45,400	A 100 B 190 B 190 B
SENSIBLE BTU's/HR 34,500 34,500 (
CFM 1,600 1,600 (
OUTDOOR AIR 750 750	6"Ø 14"Ø 2"X24" 8"Ø
EER 14 14)	
HEATING BTU'S/HR 50,700 50,700	6"Ø
COP EXISTING EXISTING	10"0 10"0 10"0 16"0 16"0 16"0
FAN HP 0.80 0.80	
GPM 9 9	6"Ø 8"Ø 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	ROOM R/A 12x8 R/A J V V V V V V V V V V V V V V V V V V
VOLTAGE 208/1/60 208/1/60 (
MCA 27.2 27.2	CONNECT CWR 24"X24" 24"X24" 24"X24" 24"X24"
MOCP 35 35 2	(
	EXISTING CONDENSER
ACCESSORIES EXISTING EXISTING	BUILDING LINES
WEIGHT (lbs) EXISTING EXISTING	
	A 240
	12"X12"
	12"X12" 12"X12" 12"X12" 14"X12 14"X12 14"X12 14"X12 14"X12 14"X12 14"X12 16"X12 16"
	12"X12" B 25 14"Ø 16"Ø
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" 12"X12" 12"X12" 14"X12 14"X12 14"X12 14"X12 14"X12 14"X12 14"X12 16"X12 16"
	12"X12" B 25 14"Ø 16"Ø
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE	12"X12" B 25 14"Ø 16"Ø (iii) C 25 ANIT(R CLOS) T 5"Ø 6"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12"Ø 12
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 12"X12" C 100 14"Ø 16"Ø
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE	12"X12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 12"X12" C 100 14"Ø 16"Ø 12"X 12" 12"X 12" 12"W 12"W 16"Ø 12"W 12"W 12"W 12"W 12"W 12"W 12"W 12"W
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE 14 PEOPLE 14 PEOPLE	12"X12" B 25 C 100 12"X12" C 180 14"Ø 16"Ø
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE	12"X12" B 25 ANITOR C 25 ANITOR CLOSET 12"Ø 12
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE 14 PEOPLE 14 PEOPLE	12"X12" B 25 14"Ø 16"Ø 12"X12" 12"Ø 12
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE MAXIMUM OCCUPANCY AS DETERMINED 14 PEOPLE OUTDOOR AIR CALCULATIONS PER SBC - MECH TABLE 403.3 FRESH AIR REQUIRED	12"X12" B 25 12"X12" C 100 C 125 ANITCH CLOSET 12"O 12"X12" B 100 RECEPTION 24"X24" A 185
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE MAXIMUM OCCUPANCY AS DETERMINED 14 PEOPLE OUTDOOR AIR CALCULATIONS PER SBC - MECH TABLE 403.3 FRESH AIR REQUIRED RECEPTION 118 SQ. FT. @ 0.06 CFM/SQ. FT = 7 CFM	12"X12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE MAXIMUM OCCUPANCY AS DETERMINED 14 PEOPLE OUTDOOR AIR CALCULATIONS PER SBC - MECH TABLE 403.3 FRESH AIR REQUIRED	12"X12" B 25 12"X12" B 25 12"X12" B 100 12"X12" A 185 12"X12" A 185 12"X12" A 350
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE MAXIMUM OCCUPANCY AS DETERMINED 14 PEOPLE OUTDOOR AIR CALCULATIONS PER SBC - MECH TABLE 403.3 FRESH AIR REQUIRED RECEPTION 118 SQ. FT. @ 0.06 CFM/SQ. FT = 7 CFM	12"X12" B 25 12"X12" B 25 12"X12" B 100 12"X12" A 240 12"X12" A 240 12"X12" A 350
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION	12"X12" B 25 12"X12" C 100 14"0 16"0 180 12"X12" C 180 12"X12"
CCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION	12"X12" B 25 12"X12" B 25 12"X12" B 100 12"X12" A 240 12"X12" A 240 12"X12" A 350
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE MAXIMUM OCCUPANCY AS DETERMINED 14 PEOPLE OUTDOOR AIR CALCULATIONS PER SBC - MECH TABLE 403.3 FRESH AIR REQUIRED RECEPTION 118 SQ. FT. @ 0.06 CFM/SQ. FT = 7 CFM 4 PEOPLE @ 5 CFM/PP = 20 CFM OUTSIDE AIR REQUIRED EXHAUST REQUIRED	12"X12" B 25 C 100 B 25 ANITCH CLOSET 12"X12" 12"X1
CCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION	12"X12" B 25 12"X12" C 100 12"X12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3 RECEPTION 120 SQ. FT. @ 30 PEOPLE/1,000 SQ. FT. 4 PEOPLE SAUNA SUITES 793 SQ. FT. @ 1 PERSON / SUITE 10 PEOPLE MAXIMUM OCCUPANCY AS DETERMINED 14 PEOPLE OUTDOOR AIR CALCULATIONS PER SBC - MECH TABLE 403.3 FRESH AIR REQUIRED RECEPTION 118 SQ. FT. @ 0.06 CFM/SQ. FT = 7 CFM 4 PEOPLE @ 5 CFM/PP = 20 CFM OUTSIDE AIR REQUIRED EXHAUST REQUIRED	12"X12" 12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 ANITER C 125 ANITER C 125 ANITER C 1200 B 24"X24" B 100 B 200 C 100
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" 12"X12
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"x12" B 25 C 150 12"x12" S 0 60 12"x12" 14"0 16"0 12"x12" 12"0 12"x12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"x12" B 25 C 100 12"x12" C 100 14"0 16"0 14"0 16"0 14"0 16"0 12"x12" 1
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 C 120 B 25 C 120 B 25 C 120 B 25 C 120 B 20 B 25 B 20 B 25 B 20
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 12"X12" C 25 ANN T 160 12"X12" B 100 12"X12" B 100 12"X12" B 100 12"X12" C 100 C 1
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 ANITH CLOSET 12"X12" B 100 12"X12" B
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12"
OCCUPANCY CALCULATIONS PER SBC MECH TABLE 403.3	12"X12" B 25 ANITH CLOSET 12"X12" B 100 12"X12" B



CHANNEL BETWEEN I—BEAMS.

-RETURN AIR DUCT

AUXILIARY DRAIN PAN

— SEE PLUMBING PLAN FOR CONDENSATE DRAIN

CONTINUATION

– AUXILIARY DRAIN

A/C CONTRACTOR TO GET CONNECTION DRAWING TO BUILDING ROOF STRUCTURE FROM STRUCTURAL ENGINEER

FLEXIBLE CONNECTION

KORFUND SERIES "V" STOCK (TYPICAL OF 4)
DESIGN "VB" SPRING

VIBRATION ISOLATOR. [TYPICAL OF 4]

FLEXIBLE CONNECTION

SUPPLY AIR

1/2" RODS

PROVIDE SMOKE DETECTOR FOR AIR HANDLING UNITS THAT EXCEED 2000 C.F.M.

AIR HANDLING UNIT MOUNT

NOT TO SCALE

