PLUMBING CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS ON RATED FLOOR, CEILING, WALL AND ROOF WITH U.L. LISTED MATERIALS.
PLUMBING CONTRACTOR TO VERIFY THAT THE FINISH FLOOR ELEVATION IS A MINIMUM OF 1' ABOVE THE RIM OF THE UPSTREAM MANHOLE PRIOR TO ANY CONSTRUCTION TO ENSURE THAT BACKWATER VALVES ARE NOT REQUIRED - NOTIFY ENGINEER IF REQUIRED. BUILDING IS NEW SHELL SPACE.
PLBR TO PROVIDE STUB-OUT FOR LAWN SPRINKLER SYSTEM -- COORDINATE EXACT SIZE AND LOCATION WITH SPRINKLER CONTRACTOR.
SUBMITTALS SHALL BE PROVIDED FOR ALL PLUMBING EQUIPMENT.
CONTRACTOR SHALL VERIFY SCALE OF DRAWINGS WITH ARCHITECTURAL DRAWINGS BEFORE SUBMITTING ANY BID.

ABBREVIATIONS

- SCD = SMCD = TWOWAYCLEAN DUT SURFACE CLEAN DUT FLOOR CLEAN OUT INVERT
- ROOF DRAIN ROOF DRAIN LEADER ROOF DRAIN OVERFLOW ROOF DRAIN OVERFLOW LEADER RD = RDL =
- SHUT OFF VALVE

DRAIN WASTE & VENT: IAPMO APPROVED ABS OR PVC PIPE AND FITTINGS, SLOPE ALL SEWER @ 1% (1/8" PER FOOT)

EACH CLEAN DUT SHALL BE READILY ACCESSIBLE AND SO LOCATED AS TO SERVE ITS

ALL SURFACE CLEAN DUTS SHALL EXTEND TO GRADE. TEST ALL WASTE PIPING PRIOR TO BACKFILL AND CONCEALMENT. CONTRACTOR SHALL CALL FOR INSPECTION AND WITNESS TESTING PRIOR TO CONCEALING WASTE PIPING.

1) POTABLE WATER: TYPE "L" HARD COPPER ABOVE SLAB, TYPE "L" SOFT COPPER BELOW SLAB WITH LEAD FREE SILVER SOLDER. EXCEPTION: IAPMO APPROVED PVC MAY BE UTILIZED FOR BURIED COLD WATER LINES, DUTSIDE STRUCTURE, IN ACCORDANCE WITH IAPMO INSTALLATION STANDARDS.

2) WATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL BE A LISTED STANDARD IN THE TABLE 2055.

UNDERGROUND WATER PIPING SHALL BE MIN. 12' BELOW AVERAGE LOCAL FROST DEPTH.
TEST ALL WATER PIPING PRIOR TO BACKFILL AND CONCEALMENT. CONTRACTOR SHALL CALL
FOR INSPECTION AND WITNESS TESTING PRIOR TO CONCEALING WATER PIPING.

ALL HOSE BIBBS (HB) ARE 3/4" W/VACUUM BREAKER COMPLETE W/LOOSE KEY HANDLES.

RAIN WATER: IAPMO APPROVED ABS OR PVC PIPE AND FITTINGS. RAIN WATER: CAST IRON, STANDARD WEIGHT, MECHANICAL JOINT. THE OVERFLOW DRAIN SHALL BE PROVIDED WITH A STRAINER AND SHALL BE 2" ABOVE

ADJACENT ROOF DRAIN.
THE OVERFLOW SYSTEM MAY NOT JOIN THE PRIMARY ROOF DRAIN SYSTEM

ROOF DRAIN ASSEMBLY SHALL BE CAST IRON INCLUDING DOME STRAINER, ROOF DRAIN SHALL SLOPE NO MORE THAN 45 DEGREES FROM VERTICAL. PROVIDE APPROVED EXPANSION JOINTS AS REQUIRED

WATER CALCULATIONS

QUANTITY	FIXTURE	LOAD VALUE		TOTAL LOAD VALUE	TOTAL FIXTURE
		COLD	НОТ	VALUE	UNITS
5	HOSE BIBBS	2. 5	-	2. 5	_

TOTAL NUMBER OF FIXTURE UNITS = 375 @ 100 GPM (FLUSH TANK)

PRESSURE @ METER = 65 PSI - 10 PSI (BFP) - 8 PSI (ML) = 47 PSI

USE NEW 1-1/2" WATER METER WITH 2-1/2" BACKFLOW AND 2-1/2" LINE TO BUILDING

 $47 - [20 + (15 \times .43)] = 20.55 PSI$

ALLOWABLE LOSS/100 FEET OF TOTAL DEVELOPED LENGTH OF PIPE:

100 x 20, 55 / 375 FEET = 5, 5 PSI

PLUMBING CONTRACTOR TO VERIFY AND COORDINATE EXACT STREET PRESSURE

AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

PLUMBING CONTRACTOR TO PROVIDE A PRESSURE REDUCING VALVE (PRV) ON CUSTOMER SIDE OF WATER METER IF THE STREET PRESSURE EXCEED 80 PSI, PRV TO BE SET @ 80 PSI

THE PLUMBING CONTRACTOR TO VERIFY THAT A REDUCED PRESSURE BACKFLOW ASSEMBLY IS EXISTING. IF DNE IS NOT EXISTING. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A WATTS #LF909 OR EQUAL REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER SAME SIZE AS WATER METER BETWEEN WATER METER AND BUILDING, BACKFLOW PREVENTER SHALL BE READILY ACCESSIBLE FOR INSPECTION.

BEFORE THE LOCAL JURISDICTION WILL ACCEPT AN INSTALLED BACKFLOW DEVICE FOR APPROVAL, THE FOLLOWING MUST BE ACCOMPLISHED. THE DEVICE MUST BE TESTED BY A STATE CERTIFIED BACKFLOW TESTER AND TEST RESULTS FORWARDED TO THE LOCAL JURISDICTION BACKFLOW SPECIALIST. THE LOCAL JURISDICTION WILL PROVIDE AN UP-TO-DATE LIST OF CERTIFIED TESTERS FROM WHICH TO BE SELECTED. TESTER FEES WILL BE AT THE EXPENSE OF

PIPE SIZING CHART

DIDE SIZE	GPM	FIXTURE UNITS		
PIPE SIZE		FLUSH VALVE	OTHER	
1/2"	2		2	
3/4"	7	-	9	
1*	15		55	
1 1/4"	26	9	44	
1 1/2*	40	28	88	
2*	89	180	324	
2 1/2"	158	650	680	
3"	274	1560	1560	

TRAPARM SCHEDULE DISTANCE IN INCH PER FOOT IN FEET FROM (INCHES) TRAP TO VENT 1 1/4 1/4 5 1 1/2" 1/4 6 1/4 8

1/8

1/8

12

OUTSIDE AIR CALCULATION

3"

4" & LARGER

OUTSIDE AIR CALCULATION AND BALANCE TO BE PERFORMED DURING TENANT IMPROVEMENTS UNDER SEPARATE PERMIT.

ROOF DRAINAGE CALC

PER 2018 IPC CHAPTER II

1 2105 SQ. FT. x 0.25 FT/HR (3" PER HOUR) = 526.25 CUBIC FEET PER HOUR OF RAINFALL 526.25 CUBIC FEET PER HOUR x 0.124675 (CONVERSION) = 66 GPM RAINFALL 3" ROOF DRAIN AND OVERFLOW PROVIDED 3" VERTICAL OVERFLOW LEADER PROVIDED 4" HORIZONTAL ROOF DRAIN LEADER PROVIDED (1/8"/FT SLOPE

(2) 2098 SQ. FT. x 0.25 FT/HR (3" PER HOUR) = 524.5 CUBIC FEET PER HOUR OF RAINFALL 524.5 CUBIC FEET PER HOUR x 0.124675 (CONVERSION) = 65 GPM RAINFALL 3" ROOF DRAIN AND OVERFLOW PROVIDED 3" VERTICAL OVERFLOW LEADER PROVIDED 4" HORIZONTAL ROOF DRAIN LEADER PROVIDED (1/8"/FT SLOPE

3 2101 SQ. FT. x 0.25 FT/HR (3" PER HOUR) = 525.25 CUBIC FEET PER HOUR OF RAINFALL 525.25 CUBIC FEET PER HOUR x 0.124675 (CONVERSION) = 3" ROOF DRAIN AND OVERFLOW PROVIDED 3" VERTICAL OVERFLOW LEADER PROVIDED 4" HORIZONTAL ROOF DRAIN LEADER PROVIDED (1/8"/FT SLOPE)

(4) 2055 SQ. FT. x 0.25 FT/HR (3" PER HOUR) = 513.75 CUBIC FEET PER HOUR OF RAINFALL 513.75 CUBIC FEET PER HOUR x 0.124675 (CONVERSION) = 64 GPM RAINFALL 3" ROOF DRAIN AND OVERFLOW PROVIDED 3" VERTICAL OVERFLOW LEADER PROVIDED 4" HORIZONTAL ROOF DRAIN LEADER PROVIDED (1/8"/FT SLOPE)

VERTICAL AND HORIZONTAL PIPING SIZED PER 2018 IPC TABLE 1106.2

2018 IECC COMPLIANCE REPORT - MECHANICAL

MECHANICAL SYSTEMS LIST AND REQUIREMENTS

ROOFTOP PACKAGE HEAT PUMP - NO ECONOMIZER PER EXCEPTION FOR HIGH EFFICIENCY EQUIPMENT COOLING EFFICIENCY REQ/PROV QUANTITY COOLING CAPACITY HEATING CAPACITY TONNAGE ECONOMIZER? 7.7 HSPF REQ/8.3 HSPF PROV 60 kBTU/HR 60 kBTU/HR 14.3 SEER REQ/17.0 SEER PROV 72 kBTU/HR 11.0 EER REQ/12.6 EER PROV 3.3 COP REQ/3.7 COP PROV

GENERIC REQUIREMENTS

X PLANT EQUIPMENT AND SYSTEM CAPACITY NO GREATER THAN NEEDED TO MEET LOADS

STANDBY EQUIPMENT AUTOMATICALLY OFF WHEN PRIMARY SYSTEM IS OPERATING MULTIPLE UNITS CONTROLLED TO SEQUENCE OPERATION AS A FUNCTION OF LOAD

MINIMUM ONE TEMPERATE CONTROL DEVICE PER SYSTEM

MINIMUM ONE HUMIDITY CONTROL DEVICE PER INSTALLED HUMIDIFICATION/DEHUMIDIFICATION SYSTEM

X LOAD CALCULATIONS PER ASHRAE/ACCA STANDARD 183

AUTOMATIC CONTROLS: SETBACK TO 55°F (HEAT) AND 85°F (COOL)/7-DAY CLOCK/2-HR OCCUPANT OVERRIDE/10-HR BACKUP

CONTINUOUSLY OPERATING ZONES 2 KW DEMAND OR LESS (SUBMIT CALCULATIONS)

AUTOMATIC START CONTROLS THAT CAN AUTOMATICALLY ADJUST THE DAILY START TIME OF THE HVAC SYSTEM ARE PROVIDED FOR EACH SYSTEM

OUTSIDE AIR SOURCE FOR VENTILATION; SYSTEM CAPABLE OF REDUCING OSA TO REQUIRED MINIMUM

R-6 SUPPLY/RETURN AIR DUCT INSULATION IN UNCONDITIONED SPACES

R-8 SUPPLY/RETURN DUCT INSULATION OUTSIDE THE BUILDING R-8 INSULATION BETWEEN DUCTS AND THE BUILDING EXTERIOR WHERE DUCTS ARE PART OF THE BUILDING ASSEMBLY

DUCTS LOCATED WITHIN EQUIPMENT

DUCTS SEALED - LONGITUDINAL SEAMS ON RIGID DUCTS/TRANSVERSE SEAMS ON ALL DUCTS/UL 181A OR 181B TAPES AND MASTICS

DUCTS WITH INTERIOR AND EXTERIOR TEMPERATURE DIFFERENCE NOT EXCEEDING 15°F (I.E. EXPOSED DUCTWORK)

OPERATION AND MAINTENANCE MANUAL PROVIDED TO BUILDING OWNER (WILL BE PROVIDED BY CONTRACTOR)

DEMAND CONTROL VENTILATION (DCV) PRESENT FOR HIGH DESIGN OCCUPANCY AREAS (>25 PERSON PER 1000 SQ.FT. IN SPACES >500 SQ.FT.) AND SERVED BY SYSTEMS WITH ANY ONE OF:

1) AN AIR SIDE ECONOMIZER 2) AUTOMATIC MODULATING CONTROL OF THE OUTDOOR AIR DAMPER

3) A DESIGN OUTDOOR AIRFLOW GREATER THAN 3000 CFM EXCEPTION(S)

SYSTEMS WITH HEAT RECOVERY

MULTIPLE-ZONE SYSTEMS WITHOUT DDC OF INDIVIDUAL ZONES COMMUNICATING WITH A CENTRAL CONTROL PANEL SYSTEMS WITH A DESIGN OUTDOOR AIRFLOW LESS THAN 1200 CFM

SPACES WHERE THE SUPPLY AIRFLOW RATE MINUS ANY MAKEUP OR OUTGOING TRANSFER AIR REQUIREMENT IS LESS THAN 1200 CFM VENTILATION FOR PROCESS LOADS ONLY

☐ AUTOMATIC CONTROLS FOR FREEZE PROTECTION SYSTEMS PRESENT

☐ EACH FAN SYSTEM HAS AN ENERGY RECOVERY SYSTEM WHEN ONE OF THE FOLLOWING CONDITIONS ARE MET:

50% ≥ POA < 60% AND DAF ≥ 26000 CFM 60% ≥ POA < 60% AND DAF ≥ 12000 CFM

70% ≥ POA AND DAF ≥ 5000 CFM WHERE POA = PERCENT OUTDOOR AIR AT FULL DESIGN AIRFLOW RATE AND DAF = DESIGN SUPPLY AIRFLOW RATE

LABORATORY FUME HOOD SYSTEMS WITH A TOTAL EXHAUST RATE ≤ 5000 CFM

SYSTEMS SERVING SPACES THAT ARE NOT COOLED AND HEATED TO < 60°F SYSTEMS WITH MORE THAN 60% OF THE OUTDOOR HEATING ENERGY PROVIDED FROM SITE-RECOVERED OR SITE SOLAR ENERGY

SYSTEMS EXHAUSTING TOXIC, FLAMMABLE, PAINT OR CORROSIVE FUMES OR DUST

SYSTEMS REQUIRING DEHUMIDIFICATION WITH COOLING COIL ENERGY RECOVERY IN SERIES WITH THE COOLING COIL

SYSTEMS EXPECTED TO OPERATE < 20 HOURS PER WEEK WHEN OUTDOOR AIR PERCENTAGE ≥ 30% WHERE THE LARGEST EXHAUST SOURCE IS LESS THAN 75% OF THE DESIGN OUTDOOR AIRFLOW

MECHANICAL SYSTEMS SHALL MEET COMMISSIONING AND COMPLETION REQUIREMENTS IN SECTION C408.2

GI-GREASE INTERCEPTOR

THE PROPOSED MECHANICAL DESIGN REPRESENTED IN THIS DOCUMENT IS CONSISTENT WITH THE BUILDING PLANS, SPECIFICATIONS AND OTHER CALCULATIONS SUBMITTED WITH THIS PERMIT APPLICATION. THE PROPOSED MECHANICAL SYSTEMS HAVE BEEN DESIGNED TO MEET THE 2018 IECC, CHAPTER 8 AND TO COMPLY WITH THE MANDATORY REQUIREMENTS IN THE REQUIREMENTS CHECKLIST.

Matt Moure MATT MOERTL 9/23/24 SIGNATURE DATE

POST CONSTRUCTION COMPLIANCE STATEMENT

HVAC RECORD DRAWINGS OF THE ACTUAL INSTALLATION, SYSTEM CAPACITIES, CALIBRATION INFORMATION AND PERFORMANCE DATA FOR EACH PIECE OF EQUIPMENT PROVIDED TO THE OWNER

HVAC OPERATION AND MAINTENANCE DOCUMENTS FOR ALL MECHANICAL EQUIPMENT AND SYSTEM PROVIDED TO THE OWNER BY THE MECHANICAL CONTRACTOR WRITTEN HVAC BALANCING AND OPERATIONS REPORT PROVIDED TO THE OWNER

DATE

THE ABOVE POST CONSTRUCTION REQUIREMENTS HAVE BEEN COMPLETED

PRINCIPAL MECHANICAL DESIGNER SIGNATURE

PLUMBING FIXTURE SCHEDULE

ALL FIXTURES AND APPLIANCES TO BE APPROVED BY OWNER, ARCHITECT, AND TENANT. COORDINATE ALL VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING ANY EQUIPMENT.

HB-HOSE BIBB WOODFORD #24B w/ INTEGRAL VACUUM BREAKER, LOOSE TEE KEY AND

RECESSED LOCKABLE BOX ROOF HOSE BIBB WOODFORD #SRH-MS/FREEZELESS ROOF HYDRANT

(RHB) RD-ROOF DRAIN J. R. SMITH #1010 W/ DOME STRAINER & FLASHING CLAMP

(OVERFLOW SIMILAR)

JENSEN PRECAST/DUTDDDR GREASE INTERCEPTOR #JP-1500 PRECAST CONCRETE/1500 GALLON CAPACITY/17,555 LBS.

MECHANICAL NOTES

CALL WORK DONE TO BE IN COMPLIANCE WITH 2018 INTERNATIONAL MECHANICAL CODE, 2018 IECC AND LOCAL AMENDMENTS).

BUILDING IS A NEW BUILDING. FURNISH ALL LABOR, MATERIALS, TOOLS EQUIPMENT, FEES, PERMITS, CERTIFICATE OF INSPECTION, ETC. NECESSARY OR REASONABLY REQUIRED FOR THE COMPLETE INSTALLATION OF ALL AIR CONDITIONING WORK. THE WORK SHALL BE IN STRICT

ACCORDANCE WITH THE ASHRAE GUIDE, AND ALL LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS. COORDINATE ALL MECHANICAL WORK WITH ARCHITECT AND OTHER TRADES PRIOR TO

SUBMITTALS SHALL BE PROVIDED FOR ALL MECHANICAL EQUIPMENT.
CONTRACTOR SHALL VERIFY SCALE OF DRAWINGS WITH ARCHITECTURAL DRAWINGS BEFORE SUBMITTING ANY BID.

MECHANICAL CONTRACTOR TO VERIFY AND COORDINATE AVAILABLE VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

ALL MECHANICAL EQUIPMENT LOCATION TO COMPLY WITH THE 2018 I.M. C. ALL HVAC EQUIPMENT (A/C UNITS, ETC.) SHALL BE U. L. LISTED. CONTRACTOR SHALL MOUNT ALL MECHANICAL EQUIPMENT LEVEL IN CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS, MAINTAINING ALL MINIMUM RECOMMENDED CLEARANCES. PROVIDE ONE SET OF FARR 30-30 THROWAWAY FILTERS AND ONE SET OF FINAL FILTERS,

FRAMES, MOUNTING HARDWARE AND ACCESSORIES. PROVIDE ONE SET OF THROWAWAY FILTERS FOR USE DURING THE CONSTRUCTION PERIOD. REMOVE THE FIRST SET OF THROWAWAY FILTERS AFTER THE CONSTRUCTION PERIOD AND INSTALL THE SECOND SET OF FINAL FILTERS (PRIOR TO BALANCING THE SYSTEM).

ALL DUCTS SHALL BE GALVANIZED SHEET METAL. ALL NEW DUCTWORK TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE GUIDELINES, THE LATEST SMACNA STANDARDS, THE 2018 I. E. C. C. AND CHAPTER 6 OF THE 2018 INTERNATIONAL MECHANICAL CODE FOR LOW PRESSURE DESIGN.

MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL DUCTWORK WILL FIT WHERE

INDICATED WITHOUT INTERFERENCES. DUCTS SHALL CONFORM TO DIMENSIONS ON THE DRAWINGS UNLESS LOCATION OF STRUCTURAL MEMBERS PROHIBIT. IN CASE OF A CHANGE IN DIMENSIONS, CROSS

SECTIONAL AREAS SHALL BE MAINTAINED. ALL DUCTS SHALL BE SUBSTANTIALLY SUPPORTED WITH HANGERS TO THE STRUCTURE, PLACING SUPPORTS NOT OVER 8 FEET APART ALONG THE LENGTH OF THE DUCT.

SHEET METAL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

UP TO 12" WIDTH 26 GAUGE STEEL

13" TO 30" WIDTH 24 GAUGE STEEL

ALL 'FACTORY MADE' DUCT MUST BE CLASS 'O' OR CLASS '1'.
DUCT SIZES SHOWN ARE 'CLEAR INSIDE' DIMENSIONS.

ALL SUPPLY AND RETURN DUCTS LOCATED IN UNCONDITIONED SPACES SHALL HAVE A MINIMUM

OF R-6 INSULATION.
ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK, SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLU-EMBEDD-FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A AND SHALL BE MARKED 181A-P FOR PRESSURE SENSITIVE TAPE, TAPES AND MASTICS USED TO SEAL FLEXIBLE AIR AIR DUCT AND FLEXIBLE CONNECTORS SHALL COMPLY WITH UL 1818 AND SHALL BE MARKED 1818-FX FOR PRESSURE SENSITIVE TAPE OR 181M FOR MASTIC. DUCT CONNECTION TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED, UNLISTED DUCT TAPE IS NOT PERMITTED AS SEALANT ON ANY METAL DUCTS.

HANGERS AND SUPPORTS

CLEVIS HANGERS ADJUSTABLE HEIGHT, MAXIMUM 10'C., 3/8' ROD UP TO 5' PIPE, 5/8" ROD FOR 6" AND LARGER. WHERE EXTRA HANGER SUPPORTS ARE REQUIRED, THEY SHALL BE PROVIDED BY CONTRACTOR. TRAPEZE HANGERS WITH ROLLERS MAY BE USED FOR MULTIPLE LINES OR WHERE SPACE IS LIMITED.

FURNISH AND INSTALL ALL CONDENSATE DRAINS. DRAINS SHALL BE TYPE M, COPPER WITH WROUGHT COPPER FITTINGS AND 95-5 SILVER SOLDER.

ALL INSULATION, MATERIAL, COVERINGS, ADHESIVES, VAPOR-BARRIERS AND TAPES SHALL CONFORM TO NFPA '90A, FLAME SPREAD CLASSIFICATION NOT TO EXCEED 25 AND SMOKE DEVELOPMENT NOT TO EXCEED 50.

WITHIN 15 FEET OF A/C UNIT. INSULATE ALL SHEET METAL DUCTWORK FOR AIR CONDITIONING SYSTEMS WITH A MINIMUM VALUE OF R-6, 3/4 LB. DENSITY EXTERIOR INSULATION, WITH FSK JACKET AND VAPOR

MECHANICAL EQUIPMENT SCHEDULE

BARRIER WITHIN THE BUILDING ENVELOPE AND R-8 DUTSIDE OF BUILDING ENVELOPE.

PROVIDE 1/2" LINER IN SUPPLY AND RETURN DUCTWORK OF AIR CONDITIONING SYSTEMS

MECHANICAL CONTRACTOR SHALL COORDINATE AMPERAGE, VOLTAGE AND PHASE OF ALL EQUIPMENT WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING ANY EQUIPMENT.

A/C SYSTEM - ROOFTOP PACKAGE HEAT PUMP

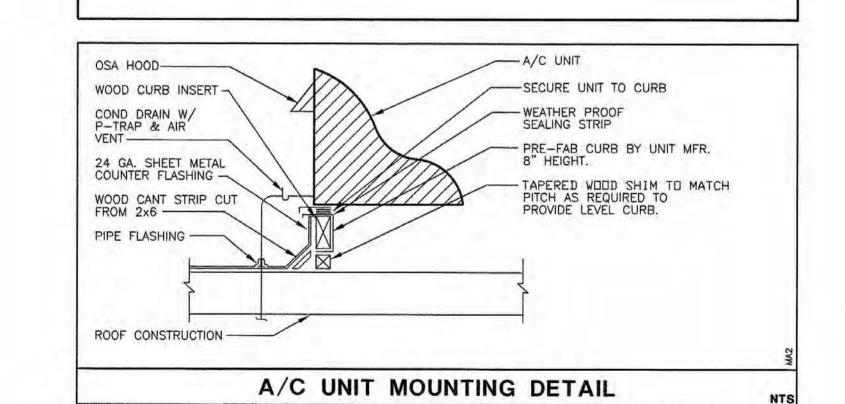
NDM 2000 CFM @ 0.5' ESP; 41.3 MBH SENS CODL @ 80/67/115; 17.5 RLA COMPR; 1.3 FLA DDF; 9.2 FLA IDF; 208V-3PH; 33 MCA; 45 MDCP; CARRIER 50GCQJO6; MINIMUM 17.0 SEER; 8.9HSPF / 16.0 SEER2; 7.5 HSPF2 HEIGHT: 41-3/8' + 8' CURB = 49-3/8' / 750 LBS.

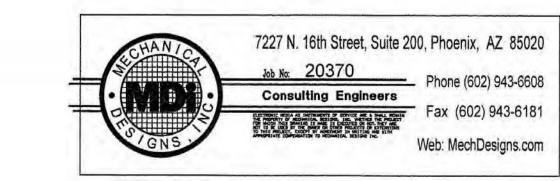
NDM 2400 CFM @ 0.5° ESP; 48.2 MBH SENS CODL @ 80/67/115; 208V-3PH; 13.5 RLA COMPR#1; 8.9 RLA COMPR#2; (2)1.5 FLA ODF; 6,4 FLA IDF; 36 MCA; 45 MOCP; CARRIER 50GCQM07; MINIMUM 12.6 EER; 3.7 COP HEIGHT: 49-3/8° + 8° CURB = 57-3/8°/780 LBS. 6 TON

NOTES

1. PROVIDE 8' HIGH FACTORY CURB. PROVIDE 25% MANUAL OSA INTAKE, ECO BLUE VANE AXIAL FAN WITH DIRECT DRIVE ECM MOTOR.

3. PROVIDE 2' FILTER RACK FOR ALL UNITS.







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cts archite

Winton 1435 E. Rancho D (602) 230-9778

KIWAMI 85306 UTHWI N S IZO BUILDING BUILDE GLENDA LOGOS E

24114 job no. drawn approved RBW

date 9/25/24

revisions