

MECHANICAL SPECIFICATIONS

THE MECHANICAL WORK INSTALLATION SHALL COMPLY WITH ASHRAE STANDARDS, AND BUILDING CODES INCLUDING PLUMBING AND MECHANICAL CODES, AND WITH STATE AND LOCAL ORDINANCES.

DUCTWORK SHALL COMPLY WITH NFPA STANDARD 80A AND SMACNA.

EQUIPMENT SHALL BE U.L. LISTED AND LABELED AS REQUIRED IN SPECIFIC EQUIPMENT SPECIFICATION SECTIONS. INSTALLATION WORK SHALL COMPLY WITH U.L. STANDARDS, WHERE APPLICABLE.

MECHANICAL WORK SHALL BE GUARANTEED AGAINST FAULTY MATERIAL OR WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. COMPRESSORS SHALL HAVE 5 YEAR REPLACEMENT WARRANTY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO READ ALL SPECIFICATIONS AND CONSULT ALL DRAWINGS WHICH MAY AFFECT THE INSTALLATION AND COORDINATION OF WORK WITH OTHER TRADES.

THE LAYOUT SHOWN ON THE DRAWINGS IS BASED ON A PARTICULAR MAKE OF EQUIPMENT. IF ANOTHER MAKE OF EQUIPMENT IS DESIRED, THE CONTRACTOR MUST PROVIDE SIX SUBMITTAL SETS OF SHOP DRAWINGS TO THE OWNER FOR APPROVAL PRIOR TO STARTING WORK. THESE SUBMITTALS MUST ALSO SHOW ALL REQUIRED MODIFICATIONS AND CHANGES, INCLUDING THOSE INCLUDING OTHER TRADES, AND THE COST THEREOF INCLUDED IN HIS BID. CONTRACTOR MUST RECEIVE APPROVED SUBMITTAL COPY, SIGNED BY OWNER BEFORE PROCEEDING WITH ANY MODIFICATIONS OF SPECIFICATIONS.

CONTACT THE OWNERS REPRESENTATIVE IMMEDIATELY IF ANY DISCREPANCIES OR OMISSIONS IN DRAWINGS OR SPECIFICATIONS ARE FOUND. IF THERE ARE ANY QUESTIONS REGARDING THE INTENT THEREOF, THE OWNERS REPRESENTATIVE SHOULD BE CONSULTED.

THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM HIMSELF CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF WORK. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY IN THE PERFORMANCE OF HIS WORK.

CONTRACTOR SHALL FILE ALL DRAWINGS, PAY ALL FEES AND OBTAIN ALL PERMITS AND CERTIFICATES OF INSPECTION RELATIVE TO THIS WORK.

TEST ALL SYSTEMS AND EQUIPMENT INSTALLED TO DEMONSTRATE PROPER OPERATION. CORRECT AND RETEST WORK FOUND DEFECTIVE WHEN TESTED.

UPON COMPLETION OF CONTRACT AND PROGRESSIVELY AS WORK PROCEEDS, CLEAN UP DIRT, DEBRIS, MATERIALS, ETC. AND REMOVE FROM SITE KEEPING PREMISES IN NEAT AND CLEAN CONDITION TO THE SATISFACTION OF THE TENANT. CLEAN ITEMS WITH FACTORY FINISHES. TOUCH UP BARE PLACES, SCRATCHES, AND OTHER MINOR DAMAGE TO FINISHES. USE ONLY FACTORY SUPPLIED PAINT OF MATCHING COLOR AND FORMULA.

THOROUGHLY CLEAN DUCTWORK BEFORE FANS AND FILTERS ARE OPERATED.

INSULATION MATERIALS SHALL BE FIRE RESISTIVE WITH A FLAME SPREAD RATING NOT OVER 25 WITHOUT EVIDENCE OF CONTINUED PROGRESSIVE COMBUSTION, AND WITH A SMOKE DEVELOPED RATING NOT HIGHER THAN 50.

BLANKET FIBERGLASS DUCT INSULATION

THE FOLLOWING SHALL BE INSULATED WITH THREE INCH THICK, FOLDED, FLEXIBLE FIBERGLASS DUCT INSULATION WITH MINIMUM INSULATION R VALUE OF R-8. ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK. BUTT EDGES OF INSULATION AND HOLD IN PLACE WITH OUTWARD CLINCHING STAPLES ON FOUR INCH CENTERS. STAPLES AND SEAMS ARE TO BE SEALED WITH A BRUSH COAT OF VAPOR BARRIER MASTIC. PRESSURE SENSITIVE TAPE SHALL NOT BE ACCEPTED. FOR ALL EXPOSED DUCTS AND BOTTOMS OF CONCEALED DUCTS OVER THIRTY INCHES WIDE, SUPPORT THE INSULATION WITH MECHANICAL FASTENERS SUCH AS STICK CLIPS LOCATED ON EIGHTEEN INCH CENTERS IN ALL DIRECTIONS. DO NOT INSULATE EXHAUST DUCTS.

AIR DISTRIBUTION SHEET METAL WORK

ALL DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO THE LATEST EDITION OF SMACNA STANDARDS. DUCT DIMENSIONS ARE INSIDE CLEAR. SHEET METAL ANGLE, BAR SLIPS, HANGERS, AND STRAPS USED WITH DUCTWORK SHALL BE GALVANIZED. SCREWS SHALL BE CADMIUM PLATED. DUCTWORK SHALL BE SUPPORTED BY SUITABLE SHEARED STRIPS OF GALVANIZED METALS OR ONE INCH BY 1/8 INCH GALVANIZED STEEL BAND IRON HANGERS, ON EACH SIDE OF THE DUCT, AND SECURED TO THE STRUCTURAL PORTION OF THE BUILDING WITH APPROVED ANCHOR SHIELD AND TO THE STEEL STRUCTURE BY MEANS OF C-CLAMPS. HANGERS SHALL BE SPACED APPROXIMATELY EIGHT FEET ALONG THE DUCT. THE SLOPE FOR INCREASE-IN-AREA TRANSFORMATIONS SHALL NOT EXCEED ONE INCH IN SEVEN INCHES. THE SLOPE FOR DECREASE-IN-AREA TRANSFORMATIONS MAY BE ONE INCH IN FOUR INCHES, BUT ONE INCH IN SEVEN INCHES IS PREFERABLE. ELBS SHALL BE EITHER UNWAVED ELBOW WITH THE THROAT RADIUS EQUAL TO 3/4 OF THE WIDTH OF THE DUCT AND WITH A FULL HEEL RADIUS, OR THREE INCH THROAT RADIUS WITH FULL RADIUS. SINGLE THICKNESS VANES AND FULL HEEL RADIUS, OR THREE INCH SQUARE THROAT AND SQUARE HEEL, WITH DOUBLE THICKNESS TURNING VANES. TURNING VANES SHALL BE SPACED ON 2-1/8" CENTERS AND 2" RADIUS IN DUCTS UP TO 20" IN SIZE. FOR DUCTS LARGER THAN 20", TURNING VANE SPACING SHALL BE 3-1/4" AND 4-1/2" RADIUS. INSTALL VANES IN SECTIONS OR USE THE RIGGS TO LIMIT THE UNBRAIDED VANE LENGTH. MAXIMUM LENGTH OF UNSUPPORTED VANE LENGTH SHALL BE 60" FOR SMALL DOUBLE VANE AND 72" FOR LARGE DOUBLE VANE AND 36" FOR SINGLE THICKNESS VANES. VANES SHALL BE SECURELY FASTENED TO RUNNERS. ALL VANES SHALL BE SECURE AND STABLE IN INSTALLED OPERATING POSITION. CONSTRUCT VANE EDGES TO PROJECT TABENTS PARALLEL TO DUCT SIDES. BRANCH CONNECTIONS AND TEES SHALL BE MADE EITHER WITH A CONVERGING RADIUS ELBOW, A RADIUS TAP-IN, OR A SQUARE TAKEOFF WITH SUITABLE VANES. DUCT JOINTS SHALL BE SPACED SO THAT JOINT SHALL NOT BE CUT FOR BRANCH TAKEOFFS AND OUTLET COLLARS. DUCTWORK SHALL BE MADE OF GALVANIZED STEEL AND SHALL BE 3" AND DRIVE. SUPPLEMENTAL BRACING SHALL BE ADDED AS NECESSARY TO PREVENT SAGGING AND DRUMMING. INTERNAL TIE-RODS SHALL NOT BE AN ACCEPTED AS A FORM OF SUPPLEMENTAL BRACING. ROUND PREFABRICATED 26 GAUGE SLIP JOINT DUCT MAY BE USED ON DUCTS 12" 49 IN DIAMETER AND SMALLER. DUCT SECTIONS AND FITTINGS SHALL BE SECURED WITH SHEET METAL SCREWS. TRANSVERSE AND LONGITUDINAL SLIP JOINTS SHALL BE SEALED WITH APPROVED SEALANT. CONNECTIONS OF A ROUND DUCT TO RECTANGULAR DUCT SHALL BE MADE USING GASKET COLLARS. DRIVE SLIPS SHALL BE USED FOR NARROW SIDES OF DUCTS, THAT ARE 18 INCHES OR LESS, FOLDED OVER TO SEAL CORNERS. DRIVE SLIPS 19 INCHES TO 30 INCHES SHALL BE REINFORCED WITH ONE INCH BY ONE INCH BY 1/8 INCH ANGLE. DUCTS WHOSE LARGER SIDE IS LESS THAN 18 INCHES SHALL HAVE TRANSVERSE JOINTS AT LEAST EVERY EIGHT FEET. LONGITUDINAL JOINTS SHALL BE PITTSBURG LOCK OR GROOVED SEAMS CLOSED TIGHTLY AND EVENLY. BUTION PUNCH SNAP LOCK LONGITUDINAL JOINT CONSTRUCTION SHALL NOT BE ALLOWED. DUCTWORK OVER TEN INCHES DIMENSION, EITHER SIDE, SHALL HAVE SIDES CROSS BROKEN. SUPPLY DUCTWORK SHALL BE CONSTRUCTED TO 2" PRESSURE CLASSIFICATION. RETURN AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED TO 2" PRESSURE CLASSIFICATION. SEAL TRANSVERSE JOINTS AND LONGITUDINAL JOINTS WITH APPROVED SEALANT (HARDCAST RONGRIP 601, OR EQUAL) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

CONTRACTOR SHALL VERIFY CLEARANCE REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT, DUCTS, AND DAMPERS. INDICATE ROUTING AND DUCT SIZES OF NEW DUCTWORK BEFORE FABRICATION. SHOW AS MODIFICATIONS, RISES, AND DROPS MAY BE NECESSARY. COORDINATE DUCTWORK WITH OTHER TRADES.

DUCT MOUNTED SMOKE DETECTORS

FOR UNITS REQUIRING DUCT MOUNTED SMOKE DETECTORS, SHUT-DOWN VALVE OPERATION UPON DETECTION OF PRODUCTS OF COMBUSTION IN AIRSTREAM. SMOKE DETECTORS SHALL BE LISTED AND U.L. INSTALLED BY DIV. 15.

DRYER EXHAUST

DRYER EXHAUST SHALL BE INSTALLED THROUGH EXTERIOR WALLS WITH SHEET METAL SCREWS AND DUCT TAPE ON DRYER EXHAUST UNACCEPTABLE. ALL DRYER EXHAUST PIPING ARE TO BE NO-LOSS, LONG SWEEP FITTINGS. FLEXIBLE DUCTING IS PROHIBITED. PROVIDE AND INSTALL WALL CAP. MAXIMUM DRYER EXHAUST EQUIVALENT WITH SHALL NOT EXCEED 25.

EXPOSED SPIRAL BOUND DUCTWORK

ALL EXPOSED DUCTWORK SHALL BE DOUBLE WALL GALVANIZED STEEL, SPIRAL DUCTWORK AS MANUFACTURED BY UNITED MCGILL, LINDAB, OR SEMCO. INNER LINER SHALL BE PERFORATED METAL LINER, MIN 28 GA. INSULATION SHALL BE 2" THICK. DUCTWORK SHALL BE RATED FOR 2" PRESSURE CLASSIFICATION. RIBBED DUCTWORK WILL NOT BE ACCEPTED.

ELBOWS SHALL BE GORED CONSTRUCTION. MINIMUM 5 GORES FOR 90 DEGREE ELBOWS.

TAPS FOR DIFFUSERS SHALL BE SEALED WITH SHEET METAL AS TO PREVENT INSULATION BEING EXPOSED TO AIRFLOW.

FLEXIBLE DUCT

FLEXIBLE DUCT CONNECTORS SHALL BE WIREWELD, MODEL WOK, OMNIAR, MODEL 1000 THERMAFLEX OR H.K. PORTER COMPANY, U.S.M. APPROVED, MEETING NFPA 80A STANDARDS. FLEXIBLE DUCT SHALL BE RATED AT 400 FPM VELOCITY, FOR 10 INCHES W.C. THROUGH 10 INCH DIAMETER AND 8 INCHES W.C. 12 INCHES THROUGH 20 INCHES DIAMETER. OPERATING TEMPERATURE RANGE SHALL BE 140 DEGREES F. (CONTINUOUS) AT MAXIMUM RATED PRESSURE, 180 DEGREES F. (CONTINUOUS) AT 2 INCHES W.C. POSITIVE PRESSURE, AND 20 DEGREES TO 250 DEGREES F. (INTERMITTENT) AT 1/2 INCH W.C. POSITIVE PRESSURE. CORE FABRIC SHALL BE REINFORCED ALUMINUM POLYESTER LAMINATE. EXTERIOR FINISHING AND VAPOR BARRIER SHALL BE ALUMINUM METALIZED POLYESTER FILM LAMINATE TO GLASS MESH. FLEXIBLE DUCT USING POLYESTER FILM WITHOUT ALUMINUM FOIL OR METALIZED ALUMINUM WILL NOT BE ACCEPTED. FLEXIBLE DUCT SHALL NOT EXCEED FIVE FEET LONG. FLEXIBLE DUCT SHALL BE KEPT TO A MINIMUM LENGTH AND SHALL BE INSTALLED TO GO DIRECT, WITH AS FEW TURNS AS POSSIBLE.

ALL FLEXIBLE DUCT SHALL BE FACTORY PRE-INSULATED WITH FIBERGLASS INSULATION SHALL BE 3 INCHES THICK WITH MINIMUM INSULATION R VALUE OF R-8.

BLANKET WITH A MINIMUM "K" FACTOR OF 28 AT 75 DEGREES F. FLEXIBLE DUCT SHALL BE ATTACHED TO METAL CONNECTIONS BY SELF-LOCKING, NYLON PANDUIT ADJUSTABLE DIAMETER CLAMPS USING PROPER INSTALLATION TOOL. TENSION OF THE CLAMPS BY HAND IS NOT ACCEPTABLE.

HVAC CONTROLS

ALL LOW VOLTAGE WIRING IN CONCEALED LOCATIONS SHALL BE RATED BY DIVISION 15. ALL LOW VOLTAGE WIRING IN RETURN PLENUM SHALL EITHER BE PLENUM RATED OR RATED IN CONDUIT. ROOM THERMOSTAT LOCATIONS SHALL BE COORDINATED WITH DOOR SWINGS, FAN SWITCHES, AND OTHER WALL MOUNTED ITEMS AND SHALL BE APPROVED BY THE ARCHITECT. THERMOSTATS SHALL BE MOUNTED 48 INCHES ABOVE FINISH FLOOR, UNLESS OTHERWISE NOTED. ALL THERMOSTATS TO BE DIGITAL, 7-DAY PROGRAMMABLE.

AIR DISTRIBUTION BALANCE AND ADJUST

CONTRACTOR SHALL BALANCE SUPPLY, RETURN, OUTSIDE, AND EXHAUST AIR TO WITHIN TEN PERCENT (10%) OF DESIGN. AIR BALANCE SHALL BE PERFORMED BY QUALIFIED AIR BALANCE PERSONNEL, AND THE PROCEDURE FOLLOWED AND FORMS USED SHALL BE PER ASHRAE STANDARDS. PROVIDE ENGINEER WITH ONE COPY OF TEST AND BALANCE REPORT.

CENTRIFUGAL EXHAUST FAN

CERTIFY FANS PERFORMANCE IN ACCORDANCE WITH AMCA CERTIFIED AIR AND SOUND RATING CRITERIA, STANDARD 210, 300, AND 301.

ACCEPTABLE MANUFACTURERS: GREENHECK, LOREN-COOK, OR APPROVED EQUAL.

FANS SHALL BE U.L. LISTED.

FANS SHALL BE STATICALLY AND DYNAMICALLY BALANCED.

INSTALL FANS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.

CONNECT AND TEST ELECTRICAL CONNECTIONS.

START-UP FANS AFTER CHECKOUT TO ENSURE PROPER ALIGNMENT AND PHASED ELECTRICAL CONNECTIONS.

TEST FANS INDIVIDUALLY AND AS PART OF A SYSTEM.

OWNER TRAINING

DEMONSTRATE AND INSTRUCT OPERATION OF NEW EQUIPMENT IN PROJECT SCOPE TO MAINTENANCE PERSONNEL. PROVIDE A MINIMUM OF 3 HRS TRAINING. COORDINATE TRAINING WITH OWNER. PROVIDE 2 BOUND COPIES. MINIMUM OF OPERATIONS AND MAINTENANCE MANUALS WITH SPARE PARTS LISTS OF MECHANICAL EQUIPMENT SHOWN IN MECHANICAL CONTRACT DOCUMENTS.

NATURAL GAS PIPING

NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL LISTED FOR USE WITH FUELS GAS. PIPING LESS THAN OR EQUAL TO 2 INCHES IN DIAMETER MAY HAVE SCREWED FITTINGS EXCEPT AS PROVIDED BELOW IN CONCEALED LOCATIONS. NATURAL GAS PIPING LARGER THAN 2 INCHES IN DIAMETER SHALL BE FULLY WELDED. PAINT EXTERIOR PIPING WITH CORROSION AND RUST RESISTANT PAINT. EXTERIOR SHALL BE APPROVED BY ARCHITECT FOR EXTERIOR PIPING INSTALLED ON WALLS. EXTERIOR PIPING INSTALLED ON ROOFS SHALL BE PAINTED GREY.

CONCEALED GAS PIPING

GAS PIPING IN CONCEALED LOCATIONS SHALL BE MADE WITH APPROVED FITTINGS SUCH AS ELBOWS, TEES, AND COUPLINGS. THE GAS PIPING SHALL BE MADE WITH SCHEDULE 40 BLACK STEEL PIPE. FITTINGS SHALL BE USED FOR USE IN A CONCEALED SPACE, WHERE UNAVAILABLE TO A TESTING PIPE SHALL BE RECONNECTED BY WELDING, FLANGES, OR USE OF A GROUND FITTING WITH THE CENTER PUNCTURED TO PREVENT LOOSENING BY VIBRATION. UNIONS, ELBOWS, TEE JOINTS AND COUPLINGS, BUSHINGS, SMING JOINTS, AND COMPRESSION FITTINGS MADE IN CONCEALED LOCATIONS SHALL NOT BE USED IN CONCEALED SPACES.

REFRIGERANT PIPING

REFRIGERANT PIPING SHALL BE MADE WITH COPPER, SILVER SOLDER JOINTS, AND 1" AP ARAMFLEX INSULATION ON ALL EXPOSED PIPING. PUMP UNITS SHALL HAVE BOTH LIQUID AND SUCTION LINES INSULATED WITH 1/2" AP ARAMFLEX INSULATION. ROUTE AND SIZE ALL REFRIGERANT PIPING PER MANUFACTURER'S INSTRUCTIONS.

PIPE HANGERS

PIPE HANGERS SHALL BE GRINNELL OR EQUAL WITH HANGER TYPE MATCHING THE REQUIREMENT. MAXIMUM ALLOWABLE SPACING SHALL BE AS FOLLOWS:

- 3/4" to 1-1/4" dia. PIPE 8 FOOT ON CENTER SPACING
1-1/2" to 2-1/2" dia. PIPE 10 FOOT ON CENTER SPACING
3" to 5" dia. PIPE 12 FOOT ON CENTER SPACING
6" to 8" dia. PIPE 14 FOOT ON CENTER SPACING

CONDENSATE PIPING

CONDENSATE PIPING SHALL BE TYPE "L" COPPER, EXCEPT WHERE NOTED DIFFERENT ON DRAWINGS WITH 1/2" AP ARAMFLEX INSULATION. INDIRECT WASTE TO NEAREST DRAIN PER MECHANICAL DRAWINGS. SLOPE CONDENSATE PIPING MINIMUM OF 1/8" PER LINEAR FOOT. ROUTE SECONDARY DRAIN FROM PAN TAPPING EITHER SIDE OR BOTTOM AND ROUTE TO NEAREST CONSPICUOUS LOCATION OVER CORRIDOR OR SINK AND STUB FLUSH THROUGH CEILING WITH CHROME NIPPLE AND ESCUTCHEON PLATE. MOUNT EQUIPMENT HIGH ENOUGH TO FACILITATE REMOVED FALL.

SPLIT SYSTEM ELECTRIC HEAT SCHEDULE

Table with columns for UNIT NO., MANUFACTURER, FAN UNIT, MODEL #, CFM, MIN OUTSIDE AIR, EXT. S.P. (IN. H2O), HP, MIN SEER @ AHR1 (EER), VOLTAGE, MIN CIR. AMPS, MAX. FUSE SIZE, MAX OPERATING WEIGHT LBS, HEATING CAPACITY, TOTAL CAP. @ AHR1 B.T.H., MIN HSPF @ AHR1 (COP), ELECTRIC HEAT - KW (400), STAGES, E.A.D.B. (°F), L.A.D.B. (°F), COOLING CAPACITY, NOMINAL TONNAGE, TOTAL CAPACITY - B.T.H., SENSIBLE CAPACITY - B.T.H., E.A.D.B./E.A.W.B. (°F), O.A.D.B. (°F), CONDENSING UNIT, UNIT NO. (2) (5), MODEL #, VOLTAGE, MIN. CIR. AMPS, MAX. FUSE SIZE, OVER BREAKER, OPERATING WEIGHT, ACCESSORIES, FILTERS, LOW AMB CONTROL TEMP., SINGLE POINT POWER CONN.

MINI-SPLIT UNIT SCHEDULE

Table with columns for UNIT NO., MANUFACTURER, FAN UNIT, INDOOR MODEL #, CFM: HIGH SPEED SETTING, CFM: LOW SPEED SETTING, VOLTAGE, MCA, COOLING CAPACITY, TOTAL CAPACITY BTH @ AHR1, O.A.D.B., MIN SEER @ AHR1, HEATING CAPACITY, TOTAL CAPACITY BTH @ ARI, CONDENSING UNIT, UNIT NO. (5), MODEL NUMBER, VOLTAGE, MCA, MOP, ACCESSORIES, FILTERS, CONDENSATE LIFT PUMP, LOW AMBIENT.

INTERNAL LINT TRAP SCHEDULE

Table with columns for UNIT NO., MANUFACTURER, MODEL #, TYPE, DUCT SIZE (INCH), ACCESSORIES, FILTER, INLET DAMPER-TYPE, BOOSTER FAN.

- (1) INTERNAL LINT TRAPS TO BE INSTALLED IN LIVING UNITS WITH EXTERIOR WALLS FACING THE INTERNAL COURTYARD.
(2) LUSH MOUNT TO WALL.
(3) DIV 1000 C BOOSTER FAN KIT WITH CURRENT SENSOR.

CEILING FAN SCHEDULE

Table with columns for UNIT NO., MANUFACTURER, MODEL #, TYPE, CFM, HP (WATTS), S.P. IN. H2O, MAX SONES OR (LwA), VOLTAGE, ACCESSORIES, OUTLET DAMPER-TYPE, INLET DAMPER-TYPE, LIGHT, DISCONNECT SWITCH, RADIATION DAMPER.

- (1) ACCEPTABLE ALTERNATE MANUFACTURER: COOK OTHER APPROVED BY ENGINEER.
(2) MANUFACTURERS INTEGRAL CEILING RADIATION DAMPER WITH UL555C LISTING INSTALLED PER MANUFACTURERS INSTRUCTIONS.

- (1) INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.
(2) TEST CONDITIONS ARE BASED ON AHR1 210/240.
(3) UNIT SHALL BE CAPABLE OF FULL COOLING CAPACITY AT 10°F AMBIENT CONDITIONS.
(4) UNIT SHALL SHUT DOWN UPON FAILURE OF CONDENSATE LIFT PUMP.
(5) PROVIDE UNIT WITH HURRICANE TIE-DOWNS PER FLORIDA BUILDING CODES.

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MECHANICAL SPECS & LEGEND
PROJECT TITLE

Revision Schedule
No. Description Date

PROJECT NO. 0560150010
DATE 20/08/07
DRAWN BY:
CHECKED BY:
Scale: 1" = 1'-0"
GMP PRICING SET

M001