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EXHAUST HOOD DUCT NOTES (BY G.C.)

1. FRYER EXHAUST DUCTWORK ARE SIZED TO MAINTAIN A MINIMUM 1660 FPM EXHAUST AIR VELOCITY. ALL GREASE EXHAUST DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NFPA-96. GREASE EXHAUST DUCTWORK SHALL HAVE ALL SEAMS, JOINTS AND PENETRATIONS SEALED LIQUID TIGHT.
2. ALL HORIZONTAL RUNS OF GREASE DUCT, EXHAUST AND CONDENSATE SHALL SLOPE BACK TOWARD THE HOOD, GRILLE OR DRAIN AT A SLOPE OF 1" PER FOOT.
3. THE MECHANICAL CONTRACTOR IS TO PROVIDE CLEANOUTS, AS REQUESTED PER DETAIL ON M5 SHEET.
4. THE DISCHARGE OF THE GREASE EXHAUST FAN SHALL BE UPWARD AND A MINIMUM OF 40" ABOVE THE ROOF SURFACE AND A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKE.
5. ALL GREASE EXHAUST DUCTS SHALL HAVE RADIUSED ELBOWS. EXHAUST DUCT PROTECTION:
6. GREASE EXHAUST DUCT SHALL BE CARBON STEEL 16 GAUGE WELDED DUCTS PER NFPA-96 PROTECTED WITH THE FOLLOWING: 1" AIR SPACE FROM DUCT TO 22 GA SHEET METAL COVERED WITH 1" MINERAL WOOL AND WIRE MESH SECURED TO COMBUSTIBLES WITH 1" NON COMBUSTIBLE SPACERS TO REDUCE CLEARANCE TO COMBUSTIBLES TO 3" PER NFPA 96 A-1-3.2.

OPTIONAL COMBUSTIBLE PROTECTION: USE FIRE MASTER GREASE DUCT FIRE PROTECTION SYSTEM BY "THERMAL CERAMICS" WHICH OFFERS ZERO CLEARANCE TO COMBUSTIBLE & 2 HR. RATING.

EXHAUST HOOD NOTES

1. THE FOLLOWING EQUIPMENT SHALL BE SUPPLIED BY OWNER AND INSTALLED BY THE HVAC CONTRACTOR.
   - 1.1. STAINLESS STEEL HOODS AS SPECIFIED PRE PIPED FOR FIRE PROTECTION SYSTEM, CEILING CLOSURE STRIP, AND ALL EXHAUST FANS AND CURBS.
2. THE HVAC CONTRACTOR SHALL RECEIVE THE ABOVE EQUIPMENT, UNCRATE, BE RESPONSIBLE FOR REPORTING DAMAGE RECEIVED DURING SHIPMENT, AND BE RESPONSIBLE FOR LOSS OR DAMAGE TO THE ABOVE EQUIPMENT ONCE RECEIVED ON THE JOB.
3. EXHAUST HOODS PROVIDED WILL MEET OR EXCEED THE FOLLOWING REQUIREMENTS, OR AS BY THE ACTIONABLE CODE:
   - 3.1. NSF # 1362 BEAR THE NSF SEAL OF APPROVAL
   - 3.2. U.L. CLASSIFICATION # 24N1
   - 3.3. MEET OR EXCEED NFPA # 96, 1998 EDITION
   - 3.4. 2006 IMC
4. THE MECHANICAL ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING A SET OF SHOP DRAWINGS FROM THE HOOD MANUFACTURER. THE ENGINEER SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT OF ANY LOCAL CODES WHICH WILL AFFECT THE HOOD MANUFACTURE OR INSTALLATION.
5. THE HOOD MANUFACTURER SHALL PROVIDE PRE-PIPED AUTOMATIC FIRE CONTROL SYSTEMS FOR THE FRYER HOOD INCLUDING FIRE CONTROL CABINETS - AND FURNISH A 2 POLE MICRO SWITCH FURNISHED FOR EQUIPMENT SHUT OFF. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL INSTALLATION AND INSPECTIONS OF THE HOOD EXHAUST SYSTEM HOOD EXTINGUISHING SYSTEM BY CERTIFIED FIRE SUPPLY CONTRACTOR.
6. THE PLUMBING CONTRACTOR SHALL INSTALL THE MECHANICAL GAS VALVE IN ACCORDANCE WITH THE APPLICABLE CODES. THE VALVE SHALL BE PROVIDED BY PLUMBING CONTRACTOR.
7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING IN ACCORDANCE WITH THE "HOOD WIRING DIAGRAM" SHEET AS DIRECTED BY THE ELECTRICAL ENGINEER.
8. MANUAL PULL STATION SHALL BE PROVIDED BY HOOD CONTRACTOR AND INSTALLED BY FIRE SUPPLY CONTRACTOR.

REGIONAL COORDINATION

MAKE-UP AIR FOR THE FRYER HOOD SHALL BE INDUCED THROUGH THE HVAC SYSTEMS, AS LONG AS THE OUTSIDE AIR QUANTITIES DO NOT EXCEED 25% OF THE HVAC SYSTEM CAPACITIES. IF ADDITIONAL MAKE-UP AIR IS REQUIRED. THE ENGINEER SHALL CONTACT THE HOOD MANUFACTURER TO DESIGN AN ADDITIONAL TEMPERED OR NON-TEMPERED MAKE-UP AIR SYSTEM, DEPENDING ON REGIONAL WEATHER REQUIREMENTS.

SECTION 15B - HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

GENERAL PROVISIONS

1. SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING HEATING, VENTILATING, AIR CONDITIONING. REFRIGERATION SYSTEMS BY OTHERS. WORK UNDER THIS SECTION INCLUDES, BUT IS NOT NECESSARILY LIMITED TO:
   - 1.1. FURNISH AND INSTALL THE FOLLOWING: ROOFTOP UNITS AND CURBS, INSULATION, DUCTWORK FOR AIR DEVICES, HVAC CONTROLS AND PROPER LOW VOLTAGE COMPONENTS FOR COMPLIANCE WITH NFPA 96 AND 72.
   - 1.2. INSTALL THE FOLLOWING: - EXHAUST FANS, HOODS, AND GREASE RISER. ICE MACHINE AIR COOLED CONDENSER ON ROOF BY OTHERS.
   - 1.3. GENERAL REQUIREMENTS: ALL WORK UNDER THIS CONTRACT SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES. WHERE THESE PLANS AND SPECIFICATIONS ARE IN CONFLICT WITH SUCH CODES, THE CODES SHALL GOVERN. PAY FOR AND OBTAIN NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION.

NOTE:
WHERE ENERGY CALCULATIONS ARE REQUIRED, THESE SHALL BE PREPARED BY THE MECHANICAL ENGINEER AT THE DIRECTION OF THE ARCHITECT. A COPY OF THE CALCULATION SHALL BE FORWARDED TO POPEYES DEVELOPMENT FOR THEIR RECORDS.

COORDINATION:
COORDINATE WORK WITH OTHER TRADES. LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. FIELD LOCATE ROOF CURBS BASED ON THE GENERAL DIRECTIONS GIVEN ON CONSTRUCTION DOCUMENTS.

MATERIALS AND PERFORMANCE:

1. MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER FIRST-LINE MANUFACTURERS MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING BY POPEYES DEVELOPMENT. A SUBSTITUTIONS LIST SHALL BE SUBMITTED IN TRIPLICATE FIVE (5)DAYS BEFORE THE CONTRACT IS TO BE LET.
2. NATIONAL ACCOUNTS: ROOFTOP HVAC EQUIPMENT, TOILET EXHAUST FANS, HVAC DUCT SYSTEMS, AND HVAC DIFFUSERS, GRILLS, AND PLENUM BOXES ARE AVAILABLE FROM NATIONAL ACCOUNTS INDICATED ON THE DRAWING COVER SHEET. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH PLANS AND MANUFACTURERS' INSTRUCTIONS. FOR NATIONAL ACCOUNTS INFO REFER TO DIRECTORY
3. ROUTING OF DUCT SYSTEMS: COORDINATE ROUTING OF DUCT SYSTEMS WITH OTHERS, LINE UP WORK TRUE TO ADJACENT SPACES AND IN A WORKMANLIKE MANNER, AND USE STANDARD RADIUS 90 ELBOWS. WHERE REQUIRED, DUCTWORK IS TO BE STURDILY SUPPORTED AND SEPARATED IN ACCORDANCE WITH ASHRAE & SMACNA STANDARDS.
4. DUCTWORK FOR HVAC SYSTEM:

NOTE:
A LICENSED TEST AND BALANCE CONTRACTOR SHALL PROVIDE ALL TOOLS AND TEST EQUIPMENT NECESSARY FOR BALANCING ALL HVAC AND EXHAUST AIR SYSTEMS. A "DIGITAL" ANEMOMETER MODEL DA 4000 WITH A 275 PROBE IS RECOMMENDED FOR MEASURING HOOD EXHAUST.

- 4.1. GENERAL NOTES:
  - 4.1.1. VOLUME DAMPERS SHALL BE INSTALLED AT ALL BRANCH RUNOUTS.
  - 4.1.2. DUCT DIMENSIONS INDICATED ARE INSIDE DIMENSIONS DIMENSIONS.
  - 4.1.3. DUCT WORK SHALL BE BUILT IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
  - 4.1.4. DUCT BOARD IS NOT ALLOWED.
- 4.2. METAL DUCT WORK:
  - 4.2.1. DUCT WORK SHALL BE CONSTRUCTED OF G-90 GALVANIZED SHEET METAL.
  - 4.2.2. THE GAUGES OF METAL TO BE USED AND THE CONSTRUCTION AND BRACING OF JOINTS SHALL BE IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
  - 4.2.3. METAL DUCT SHALL BE SUPPORTED FROM BUILDING STRUCTURE ON STRIP HANGERS NOT OVER 5'-0" APART.
- 4.3. EXTERNAL S/A, R/A DUCT WRAP:
  - 4.3.1. INSULATE EXTERIOR OF ALL S/A, R/A METAL DUCT FITTINGS WITH 2" THICK FIBERGLASS, 3/4 LB.DENSITY, BLANKET INSULATION WITH FOIL BACKING ANDUL LABELED.
  - 4.3.2. INSULATION SHALL HAVE A FLAME SPREAD OF TWENTY FIVE(25)OR LESS AND A SMOKE DEVELOPED RATING OF FIFTY(50)OR LESS.
  - 4.3.3. INSULATION SHALL BE OWENS-CORNING FRK25 OR EQUAL.
  - 4.3.4. INSULATION SHALL BE LIGHTLY LAPPED WITH 3" WIDE VAPOR BARRIER PRESSURE-SENSITIVE TAPE. SEE DETAIL ON M4 SHEET.
  - 4.3.5. DUCT WRAP SHALL BE INSTALLED IN A NEAT AND COMPETENT MANNER WITH ALL EDGES COVERED WITH APPROVED METALLIC DUCT TAPE TO VAPOR-PROOF THE ENTIRE DUCT.
- 4.4. FLEX CONNECTORS/FLEX DUCT:
  - 4.4.1. INSULATION AND VAPOR BARRIERS PRESENT ON ALL FLEX CONNECTORS SHALL BE FITTED OVER THE CORE CONNECTION AND SHALL BE SUPPLEMENTALLY SECURED WITH A DRAW BAND AND TAPE. SEE DETAIL ON M4 SHEET.

5. TEMPERATURE SETTINGS:
   - 5.1. AT CONCLUSION OF PROJECT, SET POINTS SHALL BE APPROXIMATELY COOLING 78 DEGREES F/ HEATING 68 DEGREES F, AND INSTRUCT OWNER HOW TO RESET.
6. ROOF CURBS:
   - 6.1. CURBS TO BE FURNISHED BY NCA CONSULTANTS AND INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET M2. COORDINATE WITH ROOF CONTRACTOR. RTU'S SHALL BE INSTALLED SUCH THAT ROOF DECK IS CONTINUOUS BENEATH, AND OPEN PLENUM CURBS FLANGE TO FLANGE. SEE M2 SHEET.
7. TESTING AND ADJUSTING OF HVAC SYSTEM:
   - 7.1. UPON COMPLETION OF THE INSTALLATION, THE PROJECT SHALL BE TESTED AND ADJUSTED AS FOLLOWS:
     - 7.1.1. ADJUST FAN DRIVES TO ACHIEVE REQUIRED AND RATED CFM.
     - 7.1.2. ADJUST TEMPERATURE AND FAN CONTROL SEQUENCE.
     - 7.1.3. ADJUST THE ENTIRE INSTALLATION AS TO MINIMIZE NOISE AND VIBRATION FROM FANS.
     - 7.1.4. ELIMINATE ANY DUCT PULSATION BY USE OF STIFFENERS OR ADDITIONAL SUPPORTS AS REQUIRED.
     - 7.1.5. CORRECT ANY EQUIPMENT OR COMPONENT WHICH IS GENERATING OBJECTIONABLE NOISE IN THE OPINION OF THE OWNER OR BY LOCAL AUTHORITIES.
     - 7.1.6. BALANCE EXHAUST AND OUTSIDE AIR TO QUANTITIES INDICATED ON THE PLANS. REFER TO BUILDING AIR BALANCE SCHEDULE.
     - 7.1.7. PROVIDE OWNER AND ENGINEER OF RECORD TWO(2)COPIES OF A WRITTEN AIR BALANCE REPORT INDICATING ALL FINAL EXHAUST, SUPPLY, AND OUTSIDE AIR FLOWS.
8. PIPING TO BE HERMETICALLY SEALED.
9. CONTROLS: FURNISH AND INSTALL AS INDICATED ON DRAWINGS. FURNISH AND INSTALL ALL CONTROL WIRING AND CABLES FROM HVAC UNITS, TEMPERATURE SENSORS, PHOTOCELL, AND CONTRACTOR PANEL IF USED. ROUTE CONTROL WIRING IN RACEWAY IN EQUIPMENT IF PROVIDED.
10. HOOD EXHAUST FANS AND DUCTWORK: INSTALL ALL HOOD EXHAUST FANS IN ACCORDANCE WITH THE PLANS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. COOKING EXHAUST FANS ARE SUPPLIED BY OWNER. VENTILATOR EXHAUST DUCT SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 96.
11. CLEANUP: AFTER COMPLETION OF THE WORK BEFORE FINAL INSPECTION CLEAN HVAC EQUIPMENT.
12. FILTERS: PROVIDE CLEAN SET OF FILTERS FOR EACH HVAC UNIT WHEN TURNED OVER TO THE OWNER.
13. HVAC OPERATOR'S MANUAL AND DIAGRAMS:
    - 13.1. PROJECTS PARTICIPATING IN THE NATIONAL ACCOUNTS PROGRAM SHALL FOLLOW THE PROCEDURE OUTLINED IN THE NATIONAL ACCOUNT.
    - 13.2. PROJECTS NOT PARTICIPATING IN THE NATIONAL ACCOUNT SHALL FOLLOW THE FOLLOWING PROCEDURE:
      - 13.2.1. PREPARE IN DUPLICATE A MANUAL DESCRIBING THE PROPER MAINTENANCE AND OPERATION OF THE SYSTEM. THIS MANUAL SHALL NOT CONSIST OF STANDARD FACTORY-PRINTED INSTRUCTIONS, ALTHOUGH THESE MAY BE INCLUDED, BUT SHALL BE PREPARED TO DESCRIBE THIS PARTICULAR PROJECT.
      - 13.2.2. THE MANUALS SHALL BE BOUND, INDEXED, DATED, AND SIGNED BY THE GENERAL CONTRACTOR. ONE (1)COPY SHALL BE SENT TO POPEYES DEVELOPMENT AND THE OTHER TO THE OWNER. QUALIFIED REPRESENTATIVES OF THE AIR CONDITIONING CONTRACTOR SHALL MEET WITH THE DESIGNATED REPRESENTATIVE OF THE OWNER. THE OWNER'S REPRESENTATIVE SHALL BE INSTRUCTED IN THE PROPER OPERATION AND MAINTENANCE OF THE HVAC AND CONTROL SYSTEM.
14. GUARANTEE: MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR ONE (1)YEAR FROM DATE OF COMPLETION. IN ADDITION, ALL REFRIGERATION COMPRESSORS SHALL BEAR A NON-PRORATED 5-YEAR FACTORY WARRANTY, AND ALL EXTENDED WARRANTIES.
15. SERVICE ACCESS::
    - 15.1. PROVIDE SERVICE ACCESS AS REQUIRED IN MANUFACTURER'S INSTALLATION INSTRUCTIONS. IF SUCH ACCESS IS NOT AVAILABLE, NOTIFY OWNER AND ATTEMPT TO SEE IF NECESSARY CHANGES CAN BE WORKED OUT WITH OTHER TRADES. IF NOT, DO NOT INSTALL EQUIPMENT WHICH DOES NOT MEET MANUFACTURER'S REQUIREMENTS FOR ACCESSIBILITY. IN NO CASE BID, SUBMIT, OR INSTALL EQUIPMENT IN SITUATIONS THAT DO NOT MEET THE MANUFACTURER'S WARRANTY REQUIREMENTS.
16. ENVIRONMENTAL CORROSION PROTECTION. CONDENSER, COOLING/HEATING COILS
    - 16.1. REQUIRED FACTORY DIPPED COATING WITHIN ONE MILE OF ANY SALT WATER BODY. FACTORY PRE-COAT WITHIN ONE TO FIVE MILES OF ANY SALT WATER BODY.

GENERAL NOTES:

1. HVAC CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT. AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, ETC.
2. ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. PROVIDE AMPLE CURBS.
3. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FAN OR PLUMBING VENT. REFER TO ROOF PLAN.
4. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH HE INSTALLS, AND OTHER ITEMS FURNISHED BY OTHERS AS WELL AS THOSE FURNISHED BY HIM.
5. CONDENSATE DRAINAGE FROM ROOF TOP HVAC UNITS SHALL BE TRAPPED. REFER TO ROOF PLAN.
6. PROVIDE VIBRATION ISOLATION GASKETS AT FLANGE MARRIAGES. SEE DETAIL ON M4 SHEET.
7. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
8. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND DIFFUSER LOCATIONS WITH LIGHTING LAYOUTS AS REQUIRED.
9. THE CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND COOPERATION TO THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR COMPLETION AND COORDINATION OF THE COMPLETE PROJECT.
10. THIS CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS, WALLS AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
11. THERMOSTATS SHALL BE LOCATED GENERALLY AS SHOWN BUT THEIR EXACT LOCATION SHALL BE FIELD COORDINATED TO AVOID NTERFERENCE WITH WALL MOUNTED ITEMS. MOUNT 54" AFF.
12. MECHANICAL CONTRACTOR TO INSULATE BACKSIDE OF ALL DIFFUSERS.
13. ALL DAMAGED COIL FINS SHALL BE COMBED STRAIGHT.

HVAC CONTROL NOTES:
THE HVAC CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING DIAGRAMS FOR THE HVAC EQUIPMENT. 24 VOLT WIRING AND CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. PROVIDE ADDITIONAL 24 VOLT TRANSFORMERS AS REQUIRED.

ROOFTOP AIR CONDITIONING UNITS
THE AIR CONDITIONING UNIT FANS, HEATING AND COOLING SHALL BE CONTROLLED FROM 24 VOLT ROOM THERMOSTATS LOCATED APPROXIMATELY AS SHOWN ON THE PLANS. THE THERMOSTATS SHALL BE MOUNTED BY THIS CONTRACTOR 54" A.F.F.

FANS
HEF-1 THRU HEF-4 SHALL BE CONTROLLED BY A SWITCH LOCATED ON THE HOOD SERVED BY THAT FAN.

EF-1 SHALL BE CONTROLLED BY A SWITCH LOCATED IN OFFICE REFER TO ELECTRICAL DRAWINGS.

HVAC UNITS RTU-1 AND RTU-2 SHALL BE PROGRAMMED FOR "FAN-ON" DURING OCCUPIED TIMES, FAN SHALL CYCLE WITH UNITS DURING UNOCCUPIED TIMES.

SMOKE DETECTORS
PROVIDE EACH AIR CONDITIONING UNIT WITH A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN AND SUPPLY AIR DUCT SYSTEM PRIOR TO MIXTURE OF OUTSIDE AIR CAPABLE OF SHUTTING DOWN ITS RESPECTIVE AIR CONDITIONING UNIT UPON ACTIVATION. THE SMOKE DETECTOR SHALL CONSIST OF A SIMPLEX DUCT DETECTOR WITH PHOTOELECTRIC DETECTOR, AND SAMPLING TUBE. ALL LINE VOLTAGE WIRING AND CONDUIT SHALL BE BY THE ELECTRICAL CONTRACTOR AND ALL OTHER WORK SHALL BE BY THE HVAC CONTRACTOR. ACTIVATION OF A DUCT SMOKE DETECTORS SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.

HVAC SYMBOL LEGEND

AFF	ABOVE FINISHED FLOOR
CFM	CUBIC FEET PER MINUTE
HP	HORSEPOWER
KW	KILOWATT
OA	OUTSIDE AIR
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
UP DN THRU	SUPPLY AIR (SA) DUCTWORK
UP DN THRU	RETURN AIR (RA) DUCTWORK
UP DN THRU	EXHAUST AIR (EA) DUCTWORK
WB	WET-BULB
(T) RTU-1	WALL MOUNTED THERMOSTAT FOR UNIT INDICATED
S	REMOTE DUCT TEMPERATURE SENSOR
FL	FUSIBLE LINK
24 x 12	DUCT SECTION, POSITIVE PRESSURE, FIRST FIGURE IS ARROW SIDE
	DUCT SECTION, EXHAUST
	DUCT SECTION, NEGATIVE PRESSURE, RETURN
(A)	CEILING DIFFUSER
(R)	CEILING RETURN
(Y)	CEILING EXHAUST
	RADIUS ELBOW - INSIDE RADIUS MINIMUM ONE HALF DUCT WIDTH
	SQUARE TO ROUND TRANSITION
(P)	REMOTE HOOD PULL STATION

NOTE:
GENERAL CONTRACTOR SHALL COORDINATE TRUSS SPACING PLUM TO ACCOMMODATE STRAIGHT GREASE RISERS FROM HOOD TO FAN INLET.

APPROVED HVAC NATIONAL ACCOUNT
APPROVED VENDORS:
CARRIER
TRANE
LENNOX

ENERGY REQUIREMENTS:

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

THERMAL ZONE	4A
EXTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	18
SUMMER DRY BULB	94
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	72
SUMMER DRY BULB	75
RELATIVE HUMIDITY	50
BUILDING HEATING LOAD	EXISTING TO REMAIN
BUILDING COOLING LOAD	EXISTING TO REMAIN
MECHANICAL SPACE CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT	SEE SCHEDULES
HEATING EFFICIENCY	SEE SCHEDULES
COOLING EFFICIENCY	SEE SCHEDULES
HEAT OUTPUT OF UNIT	SEE SCHEDULES
COOLING OUTPUT OF UNIT	SEE SCHEDULES
BOILER	
TOTAL BOILER OUTPUT	NA
CHILLIER	
TOTAL CHILLIER OUTPUT	NA
LIST EQUIPMENT EFFICIENCIES	SEE SCHEDULES

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05/18/20

POPEYES
1702 RALEIGH ROAD PKY NW
WILSON, NORTH CAROLINA
LOUISIANA KITCHEN PLK DESIGN STANDARDS
83 SEATS / DUAL-LINE PRODUCTION/ PLK1771-DL

LOUISIANA KITCHEN

POPEYES

MECHANICAL SPECIFICATIONS

M0

DATE: 05/18/2020
PROJECT NO: G20-05
CHECKED: JKS