

Chick-fil-A

5200 Buffington Rd.
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Revisions:
Mark Date By
4 01/07/22 CH
BIR UPDATE

5 02/15/22 CH
OPERATOR

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SHEET TITLE
MECHANICAL
DEMO PLAN

VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134

Store : 2435

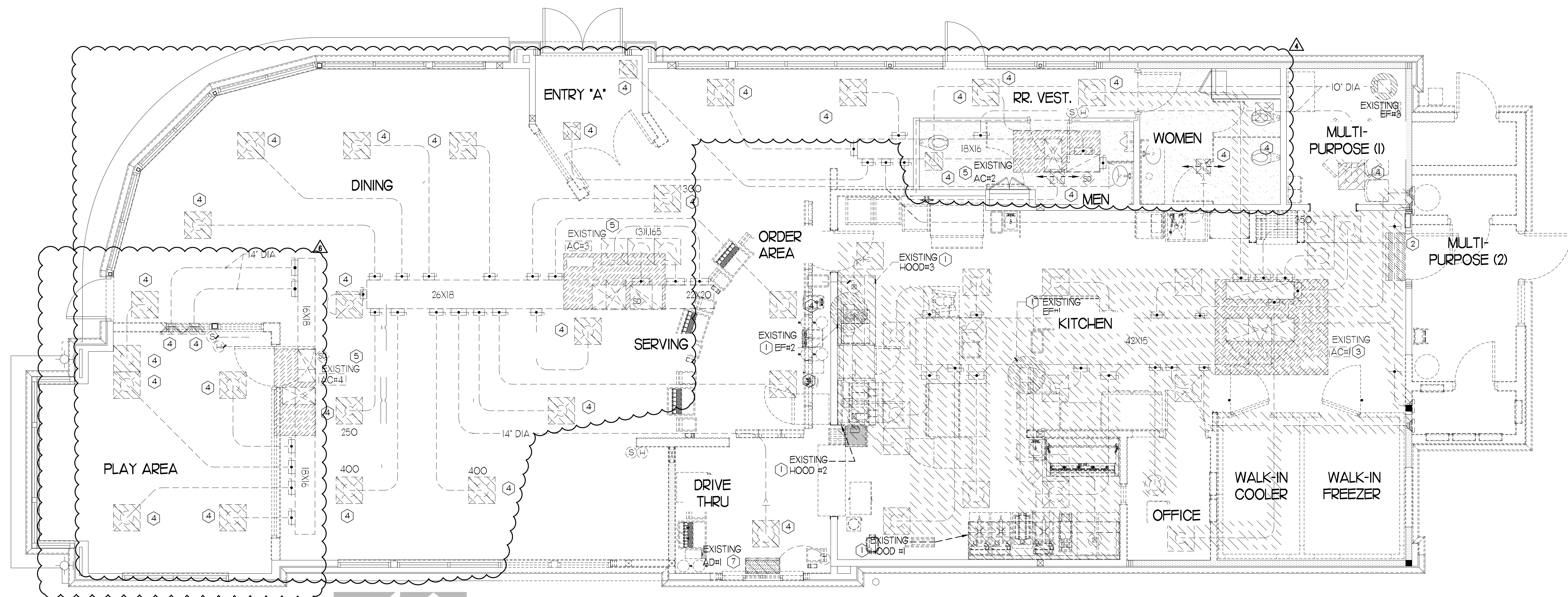
Date : 06/2021

Drawn By : CH

Checked By: DAK

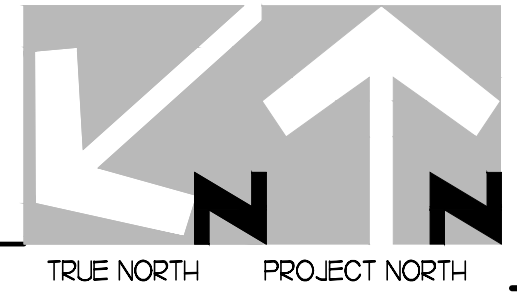
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M.I.O.



MECHANICAL DEMOLITION PLAN

1/4" = 1'-0"



DEMOLITION NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL APPLICABLE FEES.
- DISPOSAL OF EQUIPMENT AND MATERIALS REQUIRED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING THE WORK.
- DE-ENERGIZE ALL ELECTRICAL CIRCUITS RELATED TO EQUIPMENT THAT WILL BE MOVED OR REMOVE PRIOR TO STARTING WORK. DE-ENERGIZE CIRCUITS SHALL BE PROTECTED WITH LOCKING DEVICES USING APPROPRIATE WARNING LABELS.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ROOF AFTER REMOVAL OF EXISTING MECHANICAL EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ROOF PATCHING REQUIREMENTS.
- EXCEPT WHERE NOTED, EXISTING REMOTE TEMPERATURE AND/OR HUMIDITY SENSORS TO REMAIN. IF DURING RENOVATION PURPOSES CONTROLS SHALL BE TAKEN DOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLING AND TO PROVIDE ANY ADDITIONAL WIRING NEEDED.
- MECHANICAL CONTRACTOR SHALL PERFORM ROUTINE MAINTENANCE ON EXISTING ROOFTOP UNITS AND MAKE ANY NECESSARY REFRIGERANT WITH NO LEAKS, NEW BELTS AND REPLACE AND FAN MOTORS NECESSARY.
- DISCONNECT GAS PIPING FROM EXISTING ROOFTOP UNITS TO BE REPLACED. PLUMBING CONTRACTOR WILL REMOVE EXISTING GAS PIPING TO BE DEMOLISHED.
- CONTRACTOR SHALL INDICATE SALVAGE VALUE IN BID FOR ROOFTOP UNITS BEING REPLACED.

DEMOLITION KEY NOTES

- DEMOLISH EXISTING KITCHEN HOOD, ALL ASSOCIATED GREASE DUCT, AND EXHAUST FAN ON ROOF. EXISTING EXHAUST FAN TO BE REPLACED. TURN OVER EXISTING EXHAUST FAN TO OWNER. COVER ROOF OPENING WEATHER-TIGHT FOR RE-USE. REFER TO SHEET MJI & M3I FOR FURTHER INFORMATION.
- EXISTING AIR CURTAIN TO BE RELOCATED. SEE SHEET MJI FOR NEW LOCATION.
- REMOVE EXISTING KITCHEN A/C UNIT AND, SUPPLY/RETURN AIR DROPS, ALL ASSOCIATED SUPPLY/RETURN DUCT (UNLESS OTHERWISE NOTED), AIR DEVICES AND TEMPERATURE SENSOR. CAP, SEAL AND COVER EXISTING ROOF CURB WEATHER-TIGHT. DISCONNECT GAS, ELECTRICAL, AND UNIT CONTROLS FROM EXISTING ROOFTOP UNIT. EXISTING ROOFTOP UNIT TO BE REPLACED WITH NEW AS SCHEDULED ON SHEET M3I. SEE SHEETS MJI AND M3I FOR FURTHER INFORMATION. EXISTING UNIT WILL BE RELOCATED TO A NEW LOCATION.
- DETACH AND DEMOLISH EXISTING AIR DEVICE SEE SHEET MJI FOR NEW AIR DEVICE LOCATIONS.
- EXISTING ELECTRIC COOLING/GAS HEATING ROOFTOP HVAC UNIT AND ASSOCIATED TEMPERATURE SENSOR TO REMAIN. REFER TO SHEET M3I FOR FURTHER INFORMATION.
- EXISTING AIR DEVICE TO REMAIN.
- EXISTING AIR CURTAIN TO BE REPLACED WITH NEW AD#. REFER TO MJI AND M3I.

FIELD VERIFY ALL CONDITIONS

NOTE: AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF CONDUITS, DUCTS, OR PIPING, AND START OF INSTALLATION OF SAME (INCLUDING SPRINKLER PIPING WHEN PRESENT ON JOB). ANY INSTALLATION OR CONSTRUCTION CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NO EXPENSE TO THE OWNER, ARCHITECT AND/OR GENERAL CONTRACTOR.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

DEMOLITION LEGEND

- EXISTING EQUIPMENT, DUCT, AIR DEVICES ETC. TO REMAIN INTACT.
- EXISTING EQUIPMENT, DUCT, AIR DEVICES ETC. TO BE DEMOLISHED.

LEGEND

| A-12-400 | TYPE - NECK SIZE - CFM | EF# | EXHAUST FAN #1 (TYP.) |
|----------|---|-----|---------------------------------|
| | SPIN-IN FITTING WITH MANUAL BALANCING DAMPER, WITHOUT SCOOP | ACH | AIR CONDITIONING UNIT #1 (TYP.) |
| | SPIN-IN HARD OR FLEXIBLE O DIFFUSER | | RETURN/EXHAUST (TYP.) |
| | EXISTING EQUIPMENT, DUCT, & AIR DEVICE | | SUPPLY DIFFUSER, SQ FACE (TYP.) |
| | NEW EQUIPMENT, DUCT, & AIR DEVICE | | PLAN NOTE REFERENCE |
| | REMOTE TEMPERATURE SENSOR | | MANUAL VOLUME DAMPER |
| | HUMIDITY SENSOR | | DIRECTION OF THROW ON DIFFUSER |
| | STROBE AUDIO/VISUAL ALARM-ANNUNCIATOR | | CO2 SENSOR |
| | DUCT SIZE (REVERSE FOR ELEVATION VIEWS) 1ST NUMBER - HORIZONTAL DIMENSION 2ND NUMBER - VERTICAL DIMENSION | | FULL STATION |
| | POINT OF DISCONNECTION | | CONTROL PANEL |
| | POINT OF CONNECTION | | SMOKE DETECTOR |
| | INDICATES 2-WAY DIFFUSER. INDICATES BLANKED OFF SIDE | | |

HVAC KEY NOTES

- 1 PROVIDE NEW ELECTRIC COOLING/ GAS HEATING ROOFTOP UNIT WITH PRE-FABRICATED, MINIMUM 14" INCH INSULATED ROOF CURB. MAINTAIN MINIMUM HEIGHT OF 8 INCHES FROM ROOF SURFACE. REFER TO HVAC SCHEDULE ON SHEET M3.1. FIELD VERIFY AND COORDINATE WITH STRUCTURAL AND ALL LOCAL AND STATE REQUIREMENTS PRIOR TO BID AND CONSTRUCTION.
- 2 FIELD VERIFY EXHAUST AIR MAINTAINS A 10 FOOT MINIMUM CLEARANCE FROM ANY FRESH AIR INTAKE AND COMPLIES WITH ALL CODE REQUIREMENTS.
- 3 MECHANICAL CONTRACTOR TO ADJUST PATTERN DEFLECTORS TO THROW STRAIGHT DOWN.
- 4 PROVIDE NEW AIR DEVICE. MAXIMUM LENGTH OF FLEXIBLE DUCT RUN-OUT IS 4 FEET, NO EXCEPTIONS. FIELD VERIFY & COORDINATE LOCATIONS PRIOR TO BID & CONSTRUCTION. RE-BALANCE AIR QUANTITY AS SHOWN ON PLAN. PROVIDE WITH MANUAL VOLUME DAMPER WITH ACCESSIBILITY. ANY DEFICIENCIES AND OR DISCREPANCIES SHALL BE REPORTED TO ARCHITECT/ENGINEER IMMEDIATELY.
- 5 PROVIDE NEW KITCHEN HOOD EXHAUST FAN REPLACING THE EXISTING FAN THROUGH THE EXISTING ROOF OPENING. LOCATE A MINIMUM OF 10 FT FROM PARAPET WALLS IF PARAPET IS LOWER THAN 42" OR FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE AS REQUIRED. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING.
- 6 EXISTING ROOFTOP HVAC UNIT TO REMAIN. MECHANICAL CONTRACTOR TO CLEAN AND ADJUST UNIT, CHEMICALLY CLEAN COILS, PERFORM AN OIL SAMPLE TEST ON COMPRESSORS TO VERIFY CONDITION, REPLACE BELTS, VERIFY ALL CONTROLS ARE FUNCTIONAL AND MAKE SURE ALL EQUIPMENT IS IN PROPER OPERATING CONDITION. REPLACE ANY DEFECTIVE PARTS OR EQUIPMENT, GREASE AND/OR REPLACE IF REQUIRED, FAN BEARINGS, CHECK SHAFT FOR SCORING AND CHECK MOTORS FOR PROPER AMPERAGE DRAW. CLEAN OR REPLACE CONDENSATE DRAIN LINE AS REQUIRED. REBALANCE CFM AS SHOWN ON PLANS, RTU SCHEDULE, & KITCHEN/DINING PRESSURIZATION SCHEDULE. FURNISH UNIT WITH THREE SETS OF STANDARD FILTERS. CONTRACTOR TO REPLACE FILTERS JUST PRIOR TO AIR BALANCE AND ONCE AGAIN AFTER FINAL STORE CLEANING IS COMPLETE. REFER TO ROOFTOP UNIT SCHEDULE SHEET M3.1 FOR FURTHER INFORMATION AND ADDITIONAL REQUIREMENTS. REPORT IN WRITING ANY PROBLEMS WHICH WOULD REQUIRE REPLACEMENT OF ROOFTOP UNIT INSTEAD OF REUSE TO THE TENANT'S CONSTRUCTION MANAGER. FIELD VERIFY EXACT CONDITION AND LOCATION PRIOR TO BID.
- 7 STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 SENSOR ANALOX-AX60. SENSOR SHALL BE MOUNTED AT 12" AFF WITH SPLASH GUARD AND CAGE. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE REQUIREMENTS. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. FOR MORE INFORMATION CONTACT STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
- 8 STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 ANNUNCIATOR MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. FOR MORE INFORMATION CONTACT STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
- 9 STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 CENTRAL CONTROL UNIT MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. COORDINATE WITH ELECTRICAL DRAWING E2.2 FOR EXACT LOCATION. FOR MORE INFORMATION CONTACT STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
- 10 CONTRACTOR TO INSTALL OVERFLOW SWITCH INSIDE ROOFTOP UNIT DRAIN PAN. ON DOWN-FLOW UNITS AND ALL OTHER COILS THAT DO NOT HAVE A SECONDARY DRAIN AND DO NOT HAVE A MEANS TO INSTALL AN AUXILIARY DRAIN PAN, A WATER-LEVEL MONITORING DEVICE SHALL BE INSTALLED INSIDE THE PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF THE EQUIPMENT SERVED IN THE EVENT THAT THE PRIMARY DRAIN BECOMES RESTRICTED. EXTERNALLY INSTALLED DEVICES AND DEVICES INSTALLED IN THE DRAIN LINE SHALL NOT BE PERMITTED.
- 11 NEW MANUAL PULL STATION SHALL BE LOCATED 10 FEET MINIMUM TO 20 FEET MAXIMUM FROM HOOD, ONE AT OR NEAR EVERY POINT OF EGRESS FROM THE HOOD COOKING AREA. PULL STATION SHALL BE SECURELY MOUNTED NOT LESS THAN 42" (INCHES) OR MORE THAN 48" (INCHES) FROM THE FLOOR. PROVIDE SIGNAGE FOR PULL STATION.
- 12 PROVIDE A LENNOX FACTORY INSTALLED RETURN AND SUPPLY SIDE SMOKE DETECTOR. REFER TO SCHEDULE ON SHEET M3.1 AND LENNOX SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM ON SHEET M4.2. SEE ADDED BOXED NOTE SHEET M3.1 HVAC SCHEDULE REGARDING SUPPLY SIDE SMOKE DETECTOR.
- 13 BRANCH TAKE-OFFS ARE NOT TO BE LOCATED CLOSER THAN 3'-0" FROM ANY ELBOW INCLUDING THE SUPPLY AIR DROP FROM CURB.
- 14 R/A DUCT DROP TO BE FULL SIZE OF CURB CONNECTION. PROVIDE PLENUM BOX ABOVE CEILING AS SHOWN ON PLAN.
- 15 SEE ELEVATION ON M2.1 FOR C.J. FAN DUCTING REQUIREMENTS.

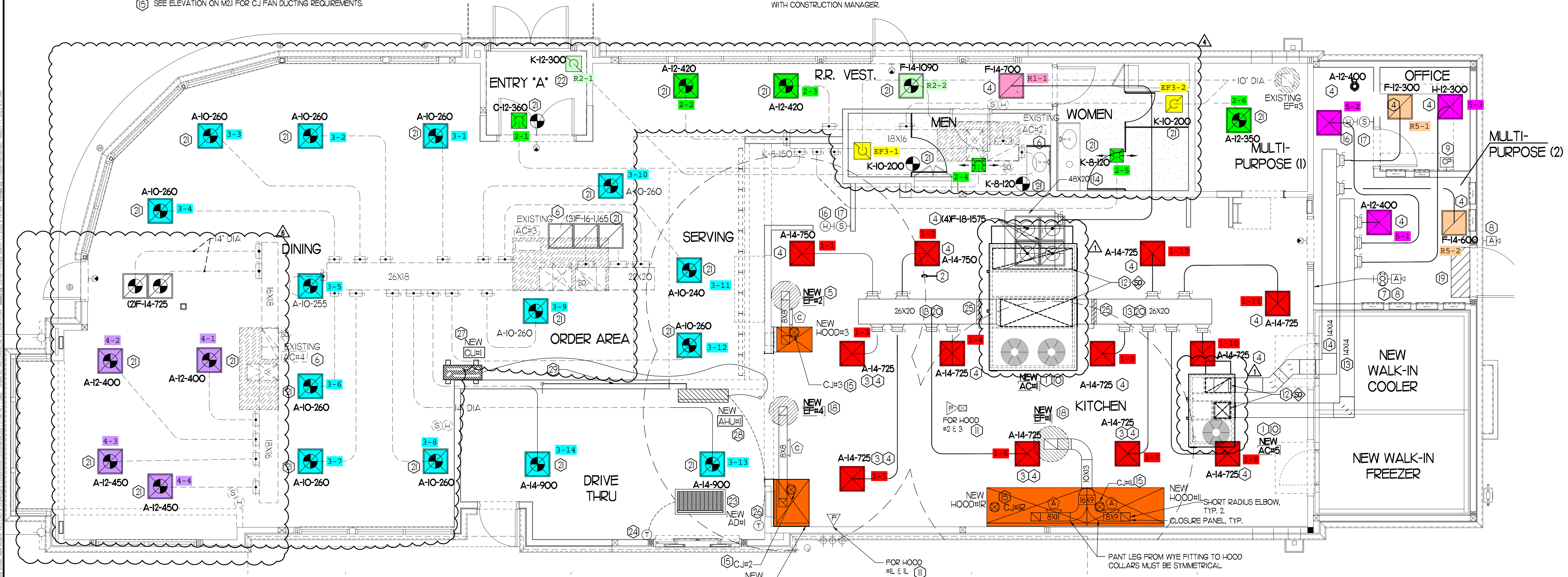
- 16 MOUNT NEW LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
- 17 MOUNT NEW REMOTE TEMPERATURE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL. FOR SENSOR SERVING KITCHEN ACH#1, 5'-8" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PRIOR TO BID AND CONSTRUCTION.
- 18 PROVIDE NEW FAN WITH NEW CURB AT LOCATION SHOWN ON PLAN. LOCATE A MINIMUM OF 10 FT FROM PARAPET WALLS IF PARAPET IS LOWER THAN 42" OR FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING. SEE DETAIL ON M4.1 FOR ORIENTATION OF HINGE SIDE OF FAN ON CURB.
- 19 EXISTING AIR CURTAIN TO BE RELOCATED AS SHOWN ON PLAN. FIELD VERIFY EXACT REQUIREMENTS PRIOR TO BID.
- 20 20X26 VERTICAL DROP. PROVIDE TURNING VANES IN ELBOW. ELBOW TO BE PARTIALLY LOCATED WITHIN STRUCTURE. BOTTOM OF ELBOW TO BE AT SAME ELEVATION AS BOTTOM OF 26X20 SUPPLY MAIN. 26X20 SUPPLY MAIN TO BE LOCATED ENTIRELY BELOW JOISTS. HOLD 26X20 SUPPLY MAIN AS HIGH AS POSSIBLE DUE TO LIMITED CLEARANCE.
- 21 REPLACE EXISTING AIR DEVICE WITH NEW. CONNECT TO EXISTING DUCT SYSTEM. CONTRACTOR SHALL INSTALL NEW DUCT AS REQUIRED. ALL NEW ADDED DUCTWORK SHALL BE RIGID. USE OF FLEX DUCT IS LIMITED TO A MAXIMUM OF 4'-0" AROUND OBSTRUCTIONS, NO EXCEPTIONS (TYP. ALL). INSTALL HARD 90'S DOWN TO SUPPLY AIR & RETURN AIR GRILLES. SEE TAKE-OFF DETAIL ON SHEETS M4.1 & SPECIFICATIONS ON M3.1. RE-BALANCE TO AIR QUANTITY AS SHOWN ON PLAN. PROVIDE WITH ACCESSIBLE MANUAL VOLUME DAMPER. WHERE DUCTWORK IS BEING RE-USED, PROVIDE A 4 INCH COLLAR ON EACH DIFFUSER. STRAP & TAPE THE DIFFUSER TO ANY EXISTING DUCTWORK. SEE 'DIFFUSER & GRILLE DETAIL FOR NEW CEILING' ON SHEET M4.1. INSULATE AND RECONNECT AS REQUIRED (TYP.) ALL. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DEVICE LOCATIONS WITH LIGHTING AND CEILING LAYOUT AND ALL WALL ELEMENTS AS REQUIRED PRIOR TO BID.
- 22 NOT USED.
- 23 AIR CURTAIN AD#1 MOUNTED IN CEILING GRID @ 15" OFF THE EXTERIOR WALL. MECHANICAL CONTRACTOR SHALL ADJUST AIR DEFLECTORS TOWARD BOTTOM OF TORMAX DOOR OPENING.
- 24 LOCATE AHU T'STAT AT 5'-0" AFF. COORDINATE EXACT LOCATION WITH OTHER TRADES. ROUTE WIRING BACK TO AHU AT WALL.
- 25 PROVIDE RUSKIN CD35 MANUAL BALANCING DAMPER WITH 6" MAXIMUM BLADE WIDTH, OPPOSED BLADE ACTION, LOCKING QUADRANT HANDLE WITH 2" STANDOFF AND 16 GA GALVANIZED BLADE AND FRAME CONSTRUCTION.
- 26 LOCATE AHU T'STAT AT 5'-0" AFF. COORDINATE EXACT LOCATION WITH OTHER TRADES. ROUTE WIRING BACK TO AHU AT WALL.
- 27 SET CONDENSING UNIT ON ROOF USING TWO CURBS PLUS CPES#1 EQUIPMENT CURBS. SECURE CONDENSING UNIT TO CURBS ARRANGED IN PARALLEL. SET LONG SIDE OF CURB PARALLEL TO ROOF SLOPE FLASH INTO ROOF BY GC. FINAL LOCATION TO BE DETERMINED IN THE FIELD. ALL MAINTENANCE CLEARANCE OF NEW AND EXISTING EQUIPMENT SHALL BE MAINTAINED.
- 28 LOCATE AHU IN MOUNTED 7'-0" AFF TO BOTTOM OF UNIT. ROUTE REFRIGERANT PIPING ABOVE CEILING AND UP THRU ROOF TO CONDENSING UNIT. REFER TO M3.1 FOR MORE INFORMATION.
- 29 RUN 5/8" CONDENSATE LINE IN WALL DOWN TO DRAIN.

HVAC GENERAL NOTES

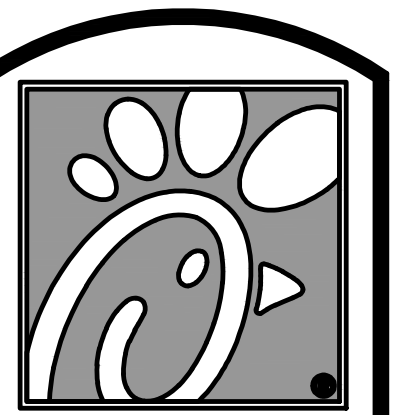
1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
2. MECHANICAL CONTRACTOR SHALL BALANCE HVAC SYSTEM AS SHOWN ON THE PLAN & RTU SCHEDULE ON SHEET M-3.1. IF AIRFLOWS DIFFER BY MORE THAN 5%, CONTACT CFA CONSTRUCTION MANAGER.
3. NO PIPING OR DUCTWORK ALLOWED ABOVE ANY ELECTRICAL/CONTROL PANELS.
4. COORDINATE NEW WORK WITH EXISTING CONDUITS, STRUCTURE, & PIPING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY DESIGN TEAM WITHOUT DELAY IF ACTUAL LOCATION OF EXISTING MECHANICAL EQUIPMENT DOES NOT MATCH FLOOR PLAN.
5. CONTRACTOR SHALL CLEAN & REFRUBRISH ALL EXISTING DUCTWORK. PATCH & REPAIR OPENING AIR TIGHT OF EXISTING DUCTWORK AS REQUIRED (TYPICAL ALL). FIELD VERIFY AND COORDINATE ALL EXISTING HVAC SIZES, LOCATIONS, AND CONDITION PRIOR TO BID.
6. REUSE AND REWORK EXISTING HVAC DUCTWORK. PROVIDE NEW SECTION FOR RECONNECTION AS REQUIRED. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID.
7. CONTRACTOR SHALL BALANCE, INSPECT, REPAIR OR REPLACE AS NECESSARY IF REQUIRED FOR EXISTING CEILING MOUNTED AIR DEVICES TO REMAIN. FIELD VERIFY AND COORDINATE EXACT SIZE AIR QUANTITY, LOCATION, AND CONDITION PRIOR TO BID. AIR FLOW SHALL REMAIN AS IS UNLESS NOTED ON PLAN, OR DIRECTED BY CONSTRUCTION MANAGER. ANY DEFICIENCIES AND OR DISCREPANCIES SHALL BE REPORTED TO ARCHITECT/ENGINEER IMMEDIATELY. COORDINATE AIR BALANCE RESULTS WITH CONSTRUCTION MANAGER.

NOTE:
ALL NEW HOODS SHALL BE RATED WITH ONE INCH THICK LAYER OF FACTORY INSTALLED INSULATION TO MEET ZERO INCH CLEARANCE TO COMBUSTIBLE MATERIALS. HOOD SHALL BE CERTIFIED BY ETL SPECIFICATIONS, AND SHALL CONFORM TO ILL. STANDARD 710, BUILT PER NFPA 96 SECTION 4.2.2, AND NSF LISTED.

NOTE: IF BALANCING DAMPERS ARE NOT EXISTING IN THE BRANCH DUCT OR AT THE TAKE-OFF, MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL NEW BALANCING DAMPERS WITHIN THE BRANCH DUCT (TYPICAL).



I MECHANICAL FLOOR PLAN
1/4" = 1'-0"
TRUE NORTH PROJECT NORTH



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
12/10/21 CH
TRANE

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S06N-R

2225 STATE ST,
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47150

SHEET TITLE
MECHANICAL
FLOOR PLAN

VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134

Store : 2435

Date : 06/2021

Drawn By : CH

Checked By : DAK

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KITCHEN HOOD SYSTEMS NOTES

1. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT WITH HALTON CO. FOR THE HOODS. CHICK-FIL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 FOR MORE INFO.
2. THE FIRE SUPPRESSION SYSTEM SHALL CONSIST OF A COMPLETE WET ANSUL SYSTEM FURNISHED BY HALTON. THE HOOD SHALL BE FURNISHED PRE-PIPED BY HALTON.
3. THE R-102 ANSUL FIRE SUPPRESSION SYSTEM EXTERNAL TO THE HOODS SHALL BE INSTALLED IN ACCORDANCE WITH HOOD MANUFACTURER'S SHOP DRAWINGS BY AN AUTHORIZED ANSUL SYSTEM INSTALLER HIRED BY HALTON.
4. HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS.
5. TURNS IN GREASE EXHAUST DUCTWORK SHALL BE LONG RADIUS TYPE, WITH A CENTERLINE RADIUS R=3W/2, NO EXCEPTIONS ALLOWED. NO MITERED FITTINGS ALLOWED.
6. ALL STAINLESS STEEL CLOSURE PANELS SHALL BE SUPPLIED BY HOOD MANUFACTURER AND INSTALLED BY THE MECHANICAL CONTRACTOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. SLOPE ALL GREASE EXHAUST DUCT BACK TO HOOD AT 1/4" PER FOOT OF RUN.
8. WRAP NEW GREASE DUCT WITH UNIFRAX FyreWRAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FyreWRAP PRODUCT USED SHALL MEET LOCAL CODE REQUIREMENTS.
9. SUPPORT HOOD#1L, #1R, #2,#3 WITH THREADED ROD AT EACH FACTORY SUPPORT POINT. EACH SUPPORT POINT MUST SUPPORT THE HOOD WEIGHT EQUALLY. ATTACH TO STRUCTURE AS DETAILED ON STRUCTURAL DRAWINGS.

HOOD SCHEDULE

| MARK | EXHAUST CFM | SP • TAB PORT | CAPTURE JET CFM & SP. | TYPE | COLLAR SIZE | WIDTH | DEPTH | HEIGHT | MANUFACTURER | MODEL | REMARKS |
|-------------|--|---------------|-----------------------|--------|-------------|-------|-------|--------|--------------|-------|---------|
| NEW HOOD#1L | 832 | 0.23 | 55 • 0.30" | CANOPY | 9"X8" | 74 | 37 | 38 | HALTON | KVL-2 | 1 |
| NEW HOOD#1R | 1080 | 0.24 | 72 • 0.30" | CANOPY | 11"X8" | 96 | 37 | 38 | HALTON | KVL-2 | 1 |
| NEW HOOD#2 | 701 | 0.39 | 30 • 0.23" | CANOPY | 8"X8" | 42 | 34 | 38 | HALTON | KVL-C | 1 |
| NEW HOOD#3 | 390 | 0.42 | 18 • 0.30" | CANOPY | 8"X8" | 24 | 31 | 38 | HALTON | KVL-D | 1 |
| NOTES | DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (HEIGHT DOES NOT INCLUDE CLOSURE PANELS). | | | | | | | | | | |
| REMARKS | 1. TYPICAL INSTALLATION FOR NEW HOODS. FIELD VERIFY & COORDINATE WITH HOOD DRAWINGS BY HALTON. REFER TO SHEET M-H1 & M-H2 PRIOR TO BID & CONSTRUCTION. | | | | | | | | | | |

GREASE EXHAUST DUCT CLEARANCE NOTE

CLEARANCES ABOVE CEILING ARE TIGHT. MECHANICAL CONTRACTOR TO FIELD VERIFY EXACT ROUTING AND CLEARANCES PRIOR TO FABRICATING GREASE EXHAUST DUCT.

CAPTURE JET NOTE

REFER TO "CAPTURE-JET FAN INSTALLATION AND DIMENSIONAL DATA" SCHEDULE ON HALTON SHOP DRAWINGS (SHEET M-H1) FOR INFORMATION ON CAPTURE JET FAN.

CLEANOUT DOOR NOTE

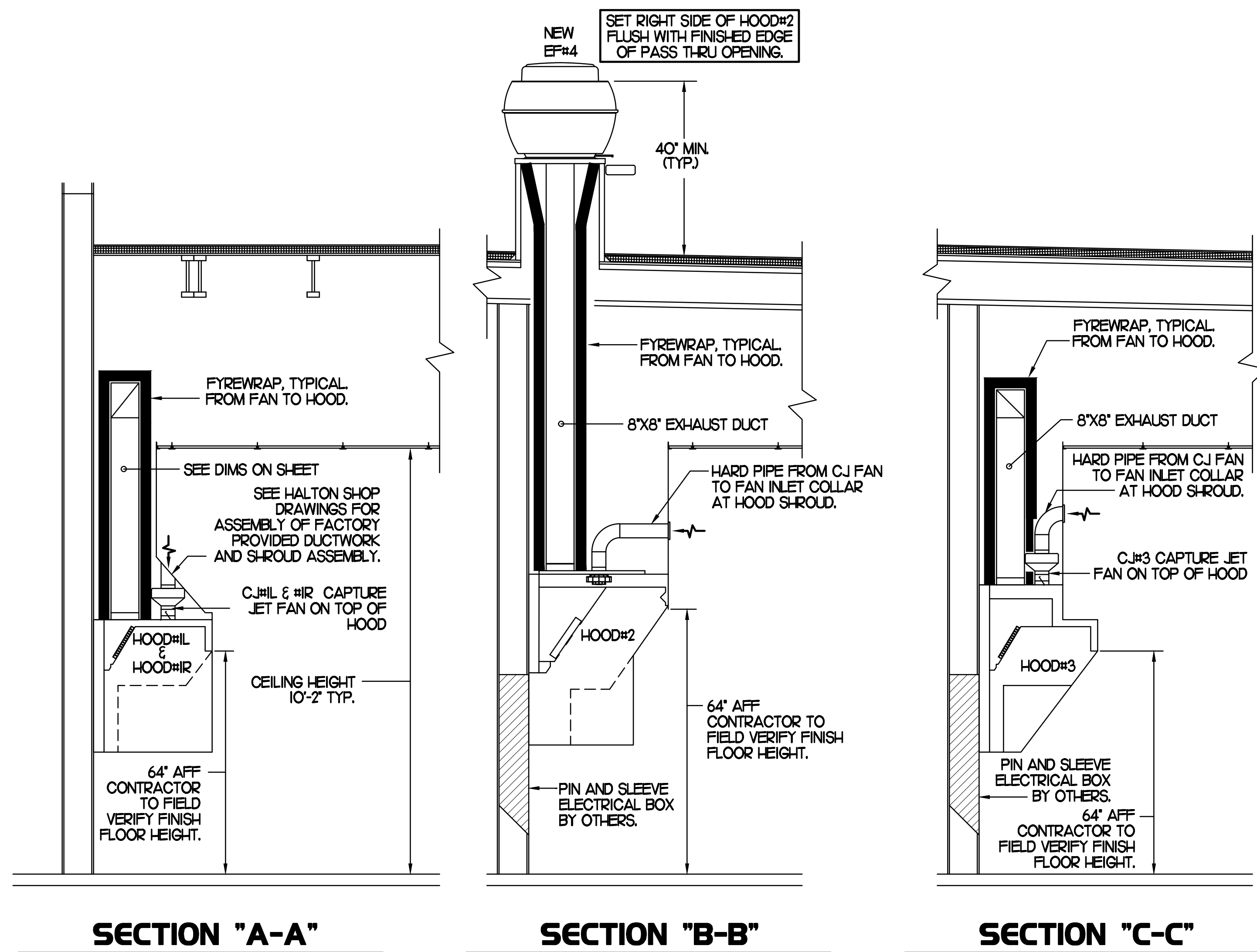
DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS, NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

HOOD ELEVATION NOTE

HOOD ELEVATIONS ON THIS SHEET ONLY SERVE ILLUSTRATIVE PURPOSES. SEE DETAILS ON HALTON SHOP DRAWINGS ON SHEET M-H1 FOR DETAILS ON STANDOFFS, CLEARANCES, AND HOOD CONSTRUCTION.

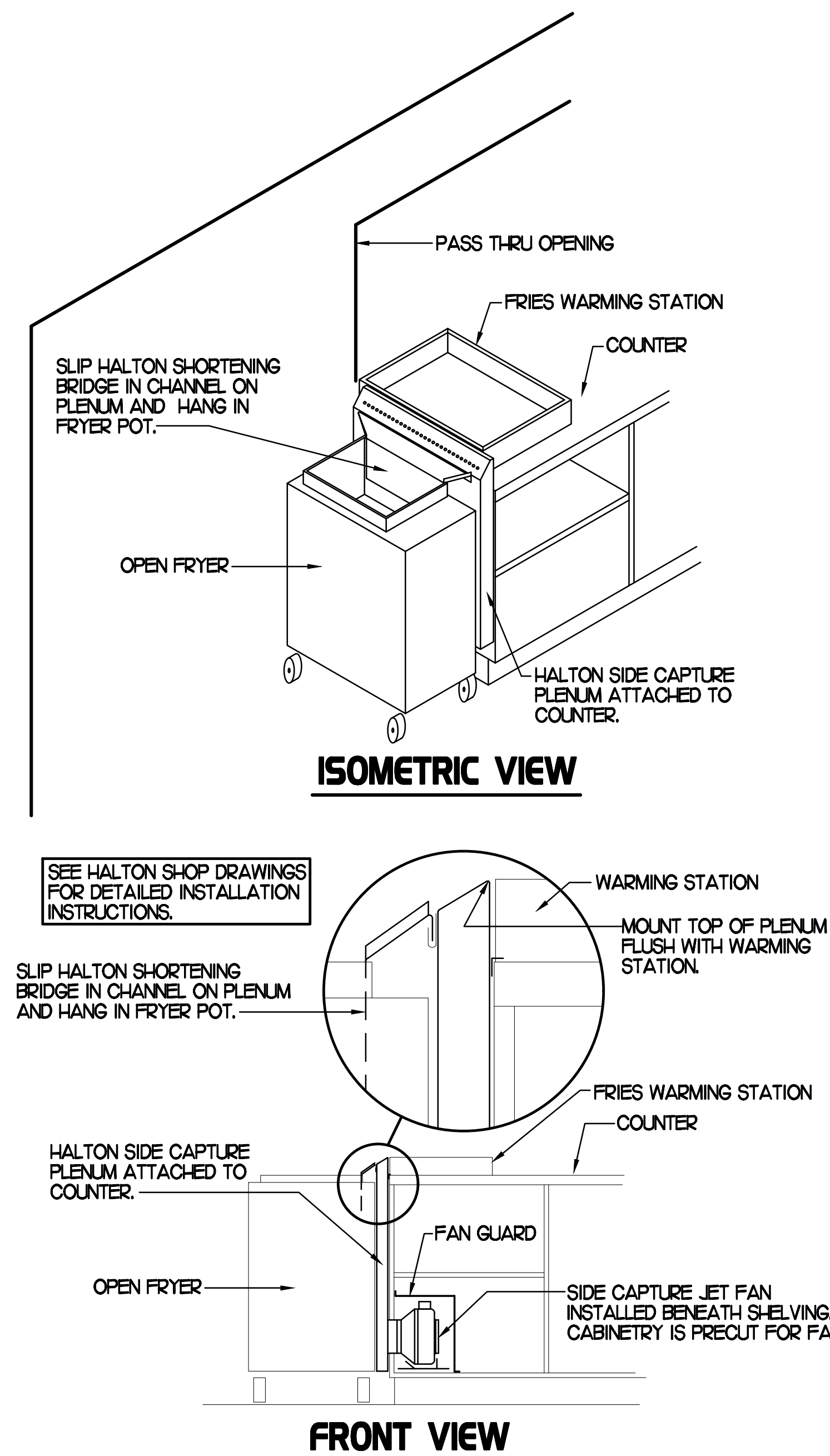
NOTE

ALL NEW HOODS SHALL BE RATED WITH ONE INCH THICK LAYER OF FACTORY INSTALLED INSULATION TO MEET "ZERO INCH CLEARANCE" TO COMBUSTIBLE MATERIALS. HOOD SHALL BE CERTIFIED BY ETL SPECIFICATIONS, AND SHALL CONFORM TO UL STANDARD 710, BUILT PER NFPA 96 SECTION 4.2.2, AND NSF LISTED.



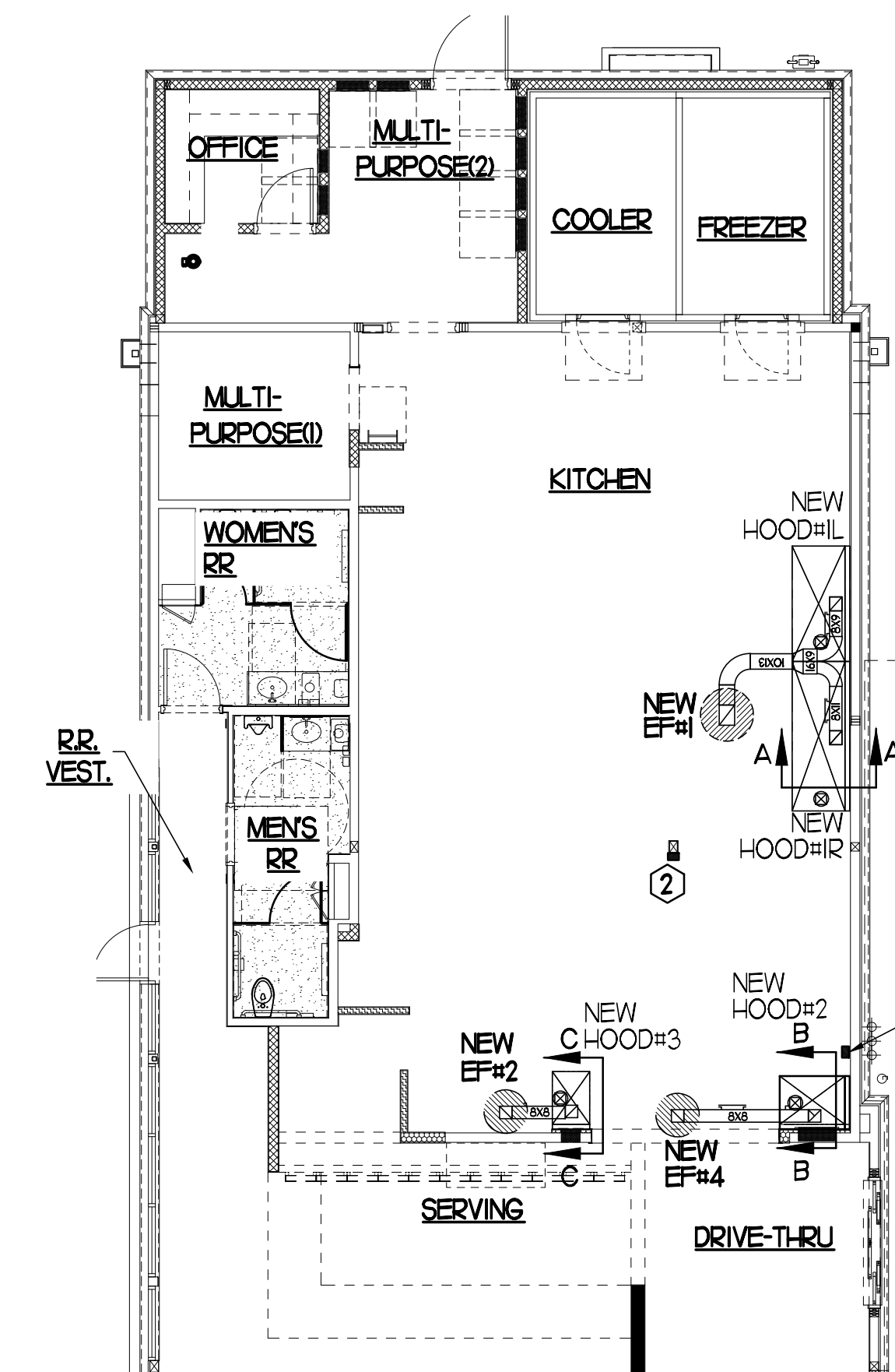
3 HOOD ELEVATIONS

SCALE: NONE



2 HALTON SIDE CAPTURE JET PLENUM

SCALE: NONE



HOOD LAYOUT NOTES

- 1 ANSUL PULL STATION SERVING NEW HOOD #1L & #1R LOCATE ANSUL PULL STATION BETWEEN 42" AND 48" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT ELEVATIONS. J-BOX AND CONDUIT ARE BY ELECTRICAL. PROVIDE RED BAKELITE LABEL WITH 1/2" HIGH LETTERS INDICATING THE HOODS SERVED.
- 2 ANSUL PULL STATION SERVING NEW HOODS #2 AND #3. LOCATE ANSUL PULL STATION BETWEEN 42" AND 48" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT ELEVATIONS. J-BOX AND CONDUIT ARE BY ELECTRICAL. PROVIDE RED BAKELITE LABEL WITH 1/2" HIGH LETTERS INDICATING THE HOODS SERVED.

1 HOOD LAYOUT

1/8"=1'-0"



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

| Mark | Date | By |
|------|------|----|
| △ | | |
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| △ | | |

SEAL

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INTERPLAN

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STORE
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S06N-R

2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
HOOD DETAILS
& SCHEDULE

VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134

Store : 2435

Date : 06/2021

Drawn By : CH

Checked By : DAK

Sheet

M2.1

GAS FIRED ROOFTOP UNIT SCHEDULE

| MARK | TONNAGE | AREA SERVED | COOLING CAPACITY (MBH) | | HEATING CAPACITY (MBH) | | FAN SECTION (CFM) | | | EXISTING MANUFACTURER/ MODEL | NEW MANUFACTURER/ MODEL | ARI RATINGS | PERCENTAGE OF OUTDOOR AIR | | | ELECTRICAL DATA | | | REMARKS | APPROX. NET WEIGHT INCLUDING OPTIONS | | |
|---------------|---------|---------------|------------------------|-------|------------------------|--------|-------------------|--------|------|------------------------------|-------------------------|-------------|---------------------------|----------|-----------|-----------------|-------|-------|---------|--------------------------------------|------|----------|
| | | | TOTAL | SENS | INRHT | OUTPUT | STAGES | SUPPLY | OA | | | | HP | ESP | NO. PHASE | AMPS | MOCP | VOLTS | | | WVA | WVA |
| NEW AC#1 | 25.0 | KITCHEN | 279.38 | 212.1 | 400.0 | 320.0 | 2 | 8,750 | 1750 | 10 | 10 | 10.6 | 20.0% | 208/3/60 | 117 | 150 | 13.45 | 7.8 | 9.0 | 11.2 | 14.8 | 2982 LBS |
| EXISTING AC#2 | 5 | R.R. VEST. RR | - | - | - | - | - | 1790 | 400 | - | - | - | 24.0% | - | - | - | - | - | - | - | - | - |
| EXISTING AC#3 | 12.5 | N DINING | - | - | - | - | - | 4900 | 1200 | - | - | - | 24.0% | - | - | - | - | - | - | - | - | - |
| EXISTING AC#4 | 5 | S DINING | - | - | - | - | - | 1750 | 400 | - | - | - | 24.0% | - | - | - | - | - | - | - | - | - |
| NEW AC#5 | 3 | MULTI-PURPOSE | 35.4 | 26.06 | 80.0 | 64.0 | 1 | 1100 | 200 | 2.8 | .45 | - | 18.0% | 208/3/60 | 24 | 30 | 23.46 | 7.8 | 9.0 | 11.2 | 14.8 | 776 LBS |

ALL NEW ROOFTOP UNITS SHALL INCLUDE A HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR.

1. PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
2. PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST.
3. PROVIDE NEW 1/4" HIGH ROOF CURB.
4. SEE DETAIL M42 FOR SETTING OF PRODIGY M3 AND M-8 IMC BOARD CONTROL/LECTO PARAMETERS BY MC.
5. PROVIDE FACTORY INSTALLED AND UNIT POWERED ISV GFI SERVICE OUTLET.
6. PROVIDE FACTORY INSTALLED ISV GFI SERVICE OUTLET.
7. PROVIDE FACTORY INSTALLED RETURN AND SUPPLY SIDE SMOKE DETECTOR.
8. PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
9. PROVIDE 2" NERV 8 THROW AWAY FILTERS.
10. PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
11. ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL, AS RECOMMENDED BY MANUFACTURER.
12. PROVIDE FACTORY COIL HALL GUARD, FIELD INSTALLED.
13. PROVIDE UNIT WITH MS4V BLOWER.
14. PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR (STATES OF CA AND AZ EXCLUDED).
15. PROVIDE FACTORY INSTALLED BELT TENSIONER.
16. REPLACE EXISTING LENOX ROOFTOP UNIT WITH NEW SAME SIZE WITH THE SAME MANUFACTURER LENOX PLACED ON SAME LOCATION ON EXISTING CURB.
17. EXISTING UNIT TO REMAIN.

CONTRACTOR SHALL VERIFY EXACT ELECTRICAL CONNECTIONS, WIRE SIZES, BREAKERS, DISCONNECT, ETC. FOR THE NEW ROOFTOP UNITS PRIOR TO ORDERING AND BID.

TEST AND BALANCE REPORT SHALL BE DONE PRIOR TO STORE TURNOVER AND SUBMITTED TO CFA'S CONSTRUCTION MANAGER AND TO ENGINEER OF RECORD.

NEW HVAC EQUIPMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING CLEARANCES. E SHALL MEET ALL LOCAL AND STATE CODE REQUIREMENTS. INSTRUCTIONS SHALL BE ON SITE AND AVAILABLE FOR ALL INSPECTIONS, SERVICE, REPAIR, OR REPLACEMENT.

NEW ROOFTOP UNITS ONLY, MECHANICAL CONTRACTOR SHALL RELOCATE THE FACTORY INSTALLED SUPPLY SIDE SMOKE DETECTOR FROM THE BLOWER SECTION TO THE SUPPLY DUCT DROP ABOVE THE FIRST 90 DEGREE DUCT FITTING.

NEW ROOFTOP UNITS ONLY, THE MECHANICAL CONTRACTOR SHALL SPLICE NEW PLENUM RATED CABLE BETWEEN THE FACTORY SMOKE DETECTOR AND THE FACTORY JACK PLUG. THE NEW WIRING SHALL BE ROUTED THRU THE ROOFTOP UNIT BASEPAN RACEWAY. SPLICES SHALL BE JOINED WITH CRIMP ON FITTINGS AND HEAT SHRINK JACKETS.

EXHAUST FAN SCHEDULE

| MARK | CFM | ESP | RPM | TIP SPEED (FPM) | HP | AREA SERVED | MODEL | MANUFACTURER | REMARKS |
|---------------|------|-----|------|-----------------|-----|-------------|---------|--------------|------------|
| NEW EF-1 | 1912 | .65 | 964 | 4164 | 1/2 | NEW HOOD#2 | 165VEB | LOREN COOK | 12,3,4,5,6 |
| NEW EF-2 | 390 | .75 | 1238 | 4,861 | 1/3 | NEW HOOD#4 | 150VH4B | LOREN COOK | 12,3,4,5,6 |
| EXISTING EF-3 | 400 | - | - | - | - | RESTROOMS | - | - | 7 |
| NEW EF-4 | 701 | .75 | 1937 | 5,071 | 1/4 | NEW HOOD#2 | 100V3B | LOREN COOK | 12,3,4,5,6 |

NOTES:

- GREASE EXHAUST FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL.
- GREASE EXHAUST FANS TO BE UL 762 LISTED.
- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE FANCLUB PACKAGE. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FANCLUB PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0101 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

- PROVIDE FACTORY 1'-0" BASE CURB AND EXTENSION.
- PROVIDE FACTORY INSTALLED, PRE-WIRED, NEMA 3 NON-FUSED DISCONNECT.
- PROVIDE FACTORY INSTALLED HINGED BASE KIT.
- PROVIDE AND INSTALL ROOFTOP SOLUTIONS 62 DRIP GUARD. MECHANICAL CONTRACTOR TO CONTACT ROOFTOP SOLUTIONS AT 800-913-7034.
- PROVIDE FACTORY INSTALLED HELICAL SPRING AUTOMATIC BELT TENSIONER.
- INTEGRAL THERMAL OVERLOAD WITH AUTOMATIC RESET.
- EXISTING EXHAUST FAN TO REMAIN.

AIR DEVICE SCHEDULE

| MARK | DESCRIPTION | LOCATION | NECK SIZE | FACE SIZE | FRAME TYPE | REMARKS |
|------|---|---------------------|-----------|-----------|------------|----------|
| A | PRICE MODEL APOC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS. | DINING AREA KITCHEN | SEE PLAN | 24X24 | LAY-IN | 1,8 |
| C | PRICE MODEL SMOCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS. | ENTRYS | 14X4 | 20X20 | BEVELLED | 1,3,5,7 |
| E | PRICE MODEL 22 DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE, FRONT BLADE PARALLEL TO LONG SIDE. | PLAYAREA | SEE PLAN | 20X12 | SURFACE | 1 |
| F | PRICE MODEL 80 ESGGRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK. | DINING/ KITCHEN | SEE PLAN | 24X24 | SURFACE | 1,8 |
| G | PRICE MODEL 22 DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE, FRONT BLADE PARALLEL TO LONG SIDE. | PLAYAREA | SEE PLAN | 14X12 | NA | 1 |
| H | PRICE MODEL APOC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS. | OFFICE | 12 | 24X24 | LAY-IN | 1,6,8 |
| J | PRICE MODEL SMOCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS. | RESTROOMS | 10X10 | 16X16 | BEVELLED | 12,3,5,7 |
| K | PRICE MODEL APOC ALUMINUM PERFORATED FACE RETURN AIR GRILLE. | RESTROOMS ENTRYS | 14X4 | 17X17 | SURFACE | 1,4,5,7 |
| L | PRICE MODEL 21 ALUMINUM SIDEWALL RETURN GRILLE, FRONT BLADE PARALLEL TO LONG SIDE. | PLAYAREA | 12X12 | 14X14 | SURFACE | 1 |

NOTES:

- MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0101, FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

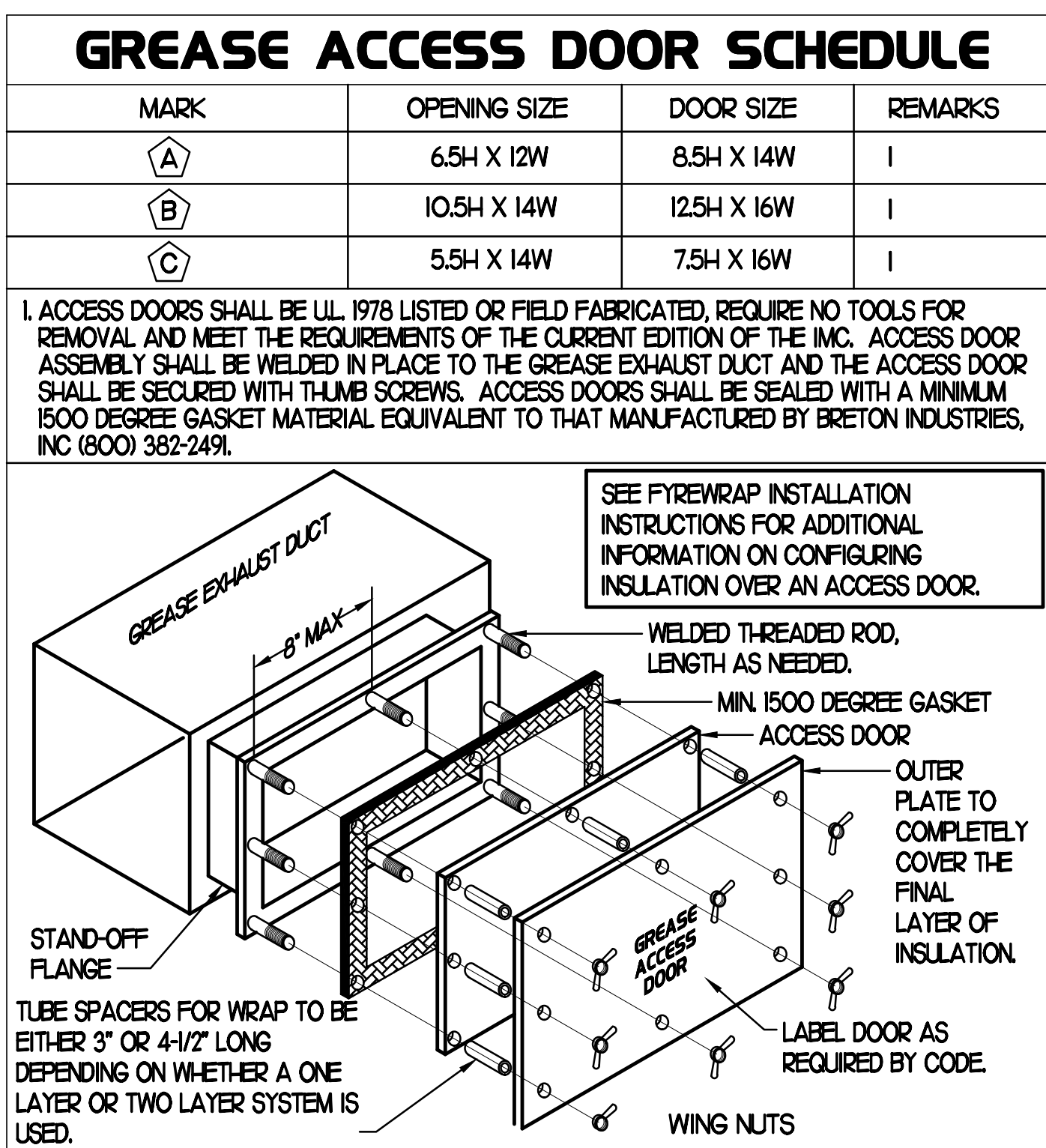
- STANDARD OFF WHITE FINISH.
- PROVIDE MODEL VCS3 NECK DAMPER.
- SEE DRAWING M1 FOR THROW.
- PROVIDE MODEL V037 NECK DAMPER ON GRILLES IN RESTROOMS.
- PROVIDE BACKPAN MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
- PROVIDE V037 NECK DAMPER ADJUSTABLE THRU DIFFUSER FACE.
- FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 2MA-1.
- FACTORY INSULATED R-6 BACKPAN.

OUTDOOR AIR CALCULATION

| ROOM NUMBER & NAME | AREA SQ. FT. | NO. OF PEOPLE | REQD OA CFM/PERSON | REQD OA CFM/SQ FT | TOTAL OSA | REQD EXHAUST AIR PER FIXTURE | REQD OSA AC-1 | REQD OSA AC-2 | REQD OSA AC-3 | REQD OSA AC-4 | REQD OSA AC-5 |
|--------------------|--------------|---------------|--------------------|-------------------|-----------|------------------------------|---------------|---------------|---------------|---------------|---------------|
| KITCHEN | 1057 | 8 | 7.50 | 0.18 | 250.3 | | 250.3 | | | | |
| R.R. VESTIBULE | 180 | 8 | 7.50 | 0.18 | 92.4 | | | 92.4 | | | |
| MEN'S RR | 89 | 0 | 0.00 | 0.00 | 0.0 | 50/70 | | | | | |
| WOMEN'S RR | 95 | 0 | 0.00 | 0.00 | 0.0 | 50/70 | | | | | |
| MULTIPURPOSE ROOM | 90 | 0 | 5.00 | 0.06 | 5.4 | | | 5.40 | | | |
| DRIVE THRU | 255 | 2 | 7.50 | 0.18 | 60.9 | | | | 60.9 | | |
| SERVING AREA | 243 | 4 | 7.50 | 0.18 | 73.7 | | | | 73.7 | | |
| WAITING AREA | 210 | 0 | 5.00 | 0.06 | 12.6 | | | | 12.6 | | |
| N DINING | 590 | 52 | 7.50 | 0.18 | 496.2 | | | | 496.2 | | |
| ENTRY A | 53 | 0 | 5.00 | 0.06 | 3.2 | | | | 3.20 | | |
| S DINING | 590 | 30 | 7.50 | 0.18 | 331.2 | | | | | 331.20 | |
| OFFICE | 55 | 1 | 5.00 | 0.06 | 8.3 | | | | | | 8.3 |
| MULTI-PURPOSE | 175 | 0 | 5.00 | 0.06 | 10.5 | | | | | | 10.50 |

| ZONE EFFECTIVENESS | | REQUIRED OUTSIDE AIR | 100/140 | 250.30 | 97.80 | 646.60 | 331.20 | 18.80 |
|--------------------|---------------------|----------------------|---------|--------|-------|--------|--------|-------|
| TOTALS | PROVIDE OUTSIDE AIR | - | 1750 | 400 | 1200 | 400 | 200 | |

OUTSIDE AIR BASED ON THE 2018 INTERNATIONAL MECHANICAL CODE.



FLEX DUCT SIZE

| | | | | |
|------|---|----------|---|----------|
| 0 | - | 80 CFM | - | 6" DIA. |
| 81 | - | 170 CFM | - | 8" DIA. |
| 171 | - | 300 CFM | - | 10" DIA. |
| 301 | - | 510 CFM | - | 12" DIA. |
| 511 | - | 750 CFM | - | 14" DIA. |
| 751 | - | 1100 CFM | - | 16" DIA. |
| 1101 | - | 1450 CFM | - | 18" DIA. |
| 1451 | - | 1900 CFM | - | 20" DIA. |

BASED ON WIRE HELIX FLEXIBLE DUCT TYPE FLEX-MASTER

UL LISTING: UH81 / ETL CLASS I AIR DUCT STANDARD CODE

NFPA 90A AND 90B, BOCA, SEBC, I.D./F.H.A. MIN PROPERTY STD. FLAME SPREAD... LESS THAN 25 SMOKE DEVELOPE... LESS THAN 50

MIN R&O FOR ATTIC/UNCONDITION SPACE. MIN R&O FOR RETURN CONDITIONED SPACE.

MANUFACTURER IS TO BE USED AS A BASIS FOR DESIGN. EQUAL IS APPROVED.

KITCHEN PRESSURIZATION

| | |
|---|-------|
| RETURN AIR FROM SIDE DINING BACK TO KITCHEN | +700 |
| NEW AC-1 OA (25 TON)-20% OA | +1750 |
| EXISTING AC-5 OA (3 TON)-23% OA | +200 |
| NEW EF-1 KITCHEN HOOD #1L | -832 |
| NEW EF-1 KITCHEN HOOD #1R | -1080 |
| NEW EF-2 KITCHEN HOOD #3 | -390 |
| NEW EF-4 KITCHEN HOOD #2 | -701 |
| TOTAL | -353 |

DINING PRESSURIZATION

| | |
|---|-------|
| EXISTING AC-2 OA (5 TON)-19% OA | +400 |
| EXISTING AC-3 OA (7.5 TON)-24.0% OA | +1200 |
| EXISTING AC-4 OA (5 TON)-19.0% OA | +400 |
| EXISTING EF-3 RESTROOM EXHAUST | -400 |
| RETURN AIR FROM SIDE DINING BACK TO KITCHEN | -700 |
| BUILDING POSITIVE PRESSURE TOTAL | +900 |
| BUILDING POSITIVE PRESSURE | 547 |

AIR DOOR SCHEDULE

| MARK | CFM | VELOCITY | HEATING CAP | HP | AREA SERVED | MODEL | MANUFACTURER | REMARKS |
|------|-------|----------|-------------|-----|-------------|-----------|--------------|---------|
| AD#1 | 1765 | 2670 FPM | 10 KW | 3/4 | DRIVE THRU | CHA-1-4BE | POWERED-AIRE | 1,2,3,5 |
| AD#2 | 3,867 | 4,216 | NA | 3/4 | REAR DOOR | RBT-1-4B | POWERED-AIRE | 3 |

NOTES:

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0101, FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

- FACTORY PROVIDED, WIRED, AND UNIT MOUNTED SPEED CONTROLLER LOCATED ABOVE CEILING.
- FACTORY WIRED DISCONNECT.
- FACTORY PROVIDED, FIELD INSTALLED BY MC, REMOTE W ALL SWITCHES FOR BHATING ON/OFF AND FAN ON/AUTO SWITCH. SEE DETAIL, AIR CURTAIN WIRING DIAGRAM.
- FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.
- PROVIDE WITH A DIVERTER BOX.

DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

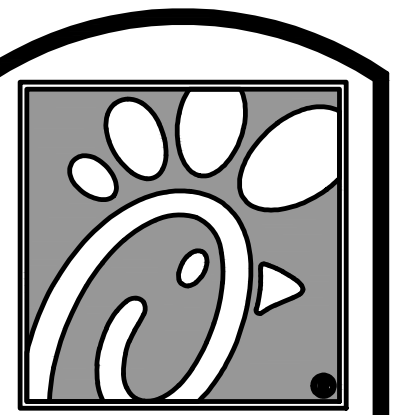
| MARK | COOLING CAPACITY (MBH) | | EFFICIENCIES SEER | FAN SECTION (CFM) | ELECTRICAL DATA | | | R-410A MODEL | | MFR | WEIGHT | |
|----------------|------------------------|------|-------------------|-------------------|-----------------|------------------|----------|--------------|-------------|------------|--------|---------|
| | MIN | MAX | | | SUPPLY | CIRCUIT AMPACITY | MOCP | VOLTAGE | AHU | | CJ | AHU |
| AHJH/CJH (NEW) | 116 | 36.0 | 16.2 | 705-920 | 28 | 40 | 208/1/60 | PKA-A36KAT | PLZ-HA3NHA5 | mitsubishi | 46 LBS | 265 LBS |

NOTES:

- MECHANICAL CONTRACTOR SHALL PURCHASE THE SPLIT SYSTEM HEAT PUMP DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0101, FOR PRICING AND AVAILABILITY.

REMARKS:

- ELECTRICIAN TO PROVIDE NON-FUSED DISCONNECT.
- MECHANICAL TO PROVIDE AND INSTALL REFRIGERANT PIPING AS PER MFR RECOMMENDATIONS.
- PROVIDE ENGRAVED PLASTIC LABEL AT AHJH AND CJH WITH HIGH WHITE LETTERS ON A BLACK BACKGROUND RIVETED TO UNIT CABINET.
- PROVIDE WITH ADEQUATE REFRIGERANT LINE SET. FIELD VERIFY DISTANCE FROM WHERE CONDENSER IS TO BE SET TO AIR HANDLER LOCATION PRIOR TO ORDERING.
- PROVIDE WITH FACTORY WIRED 7-DAY PROGRAMMABLE WALL THERMOSTAT, MODEL CZ-R0515L1.



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
12/10/21 CH
TRANE
REPLACEMENT RTUS
02/15/22 CH
OPERATOR
REVISIONS
SEAL
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STORE
NEW ALBANY FSU
S06N-R

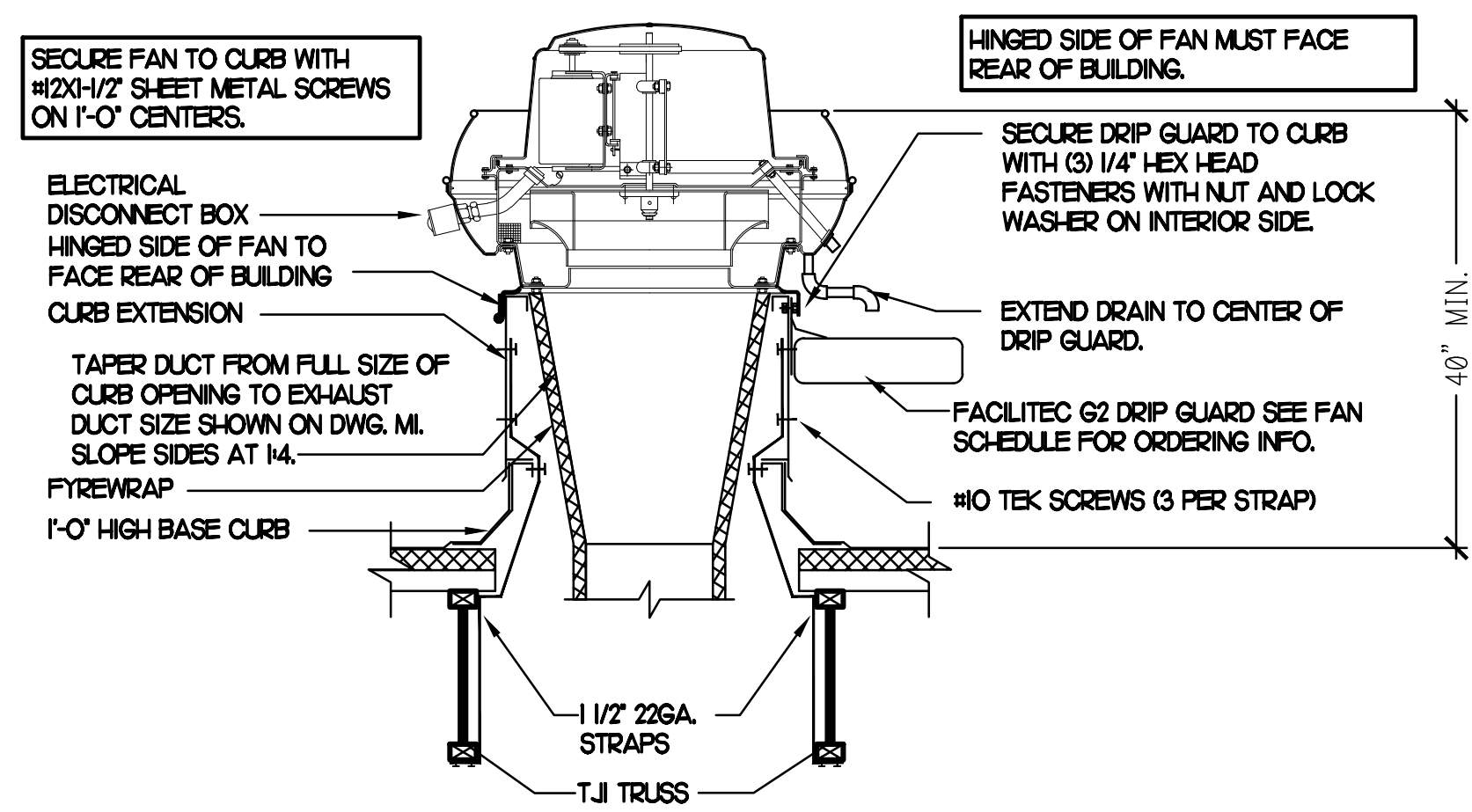
2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
MECHANICAL
SCHEDULES

VERSION: XX.XXX
ISSUE DATE: 00-0000

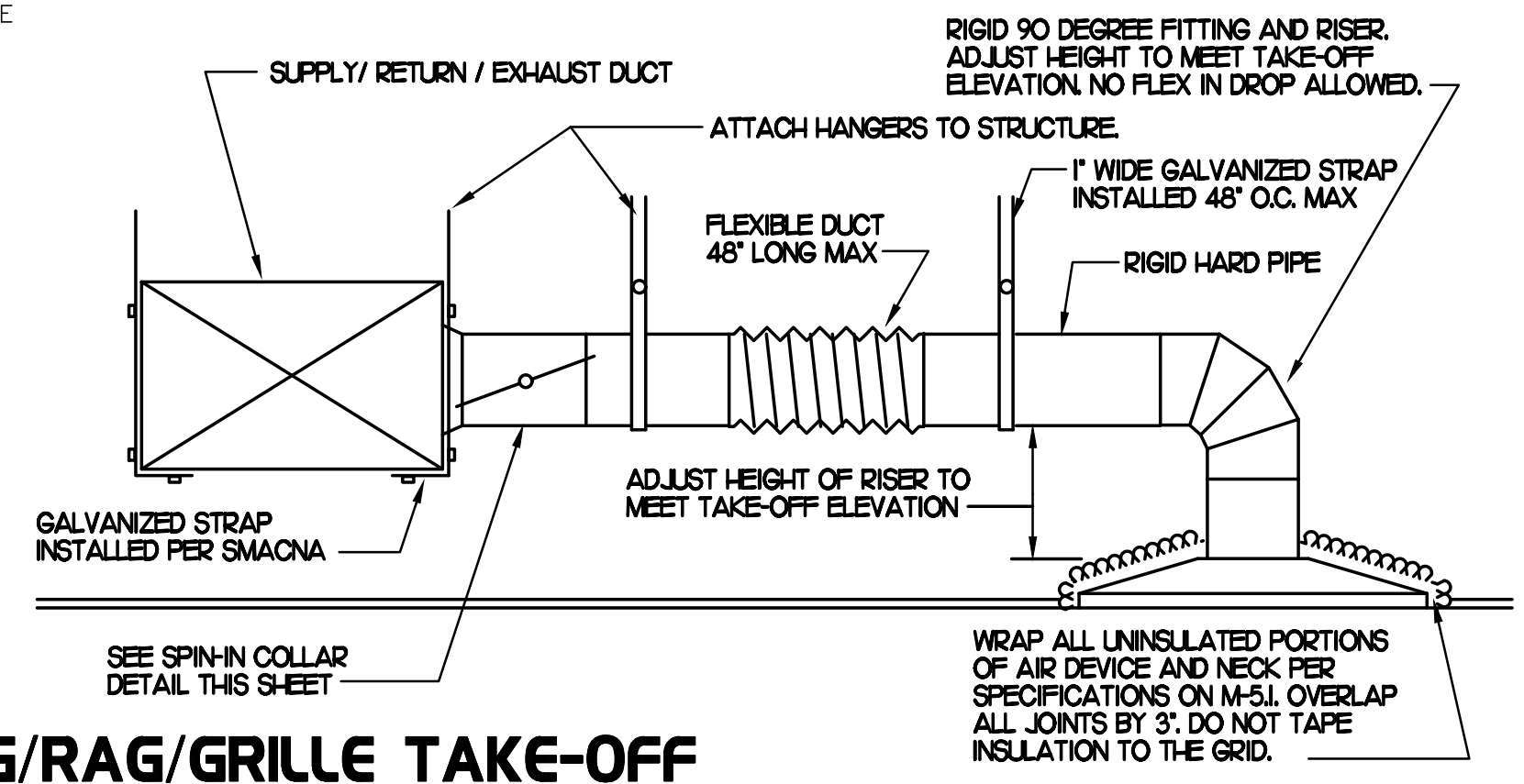
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Store : 2435
Date : 06/2021
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Checked By : DAK

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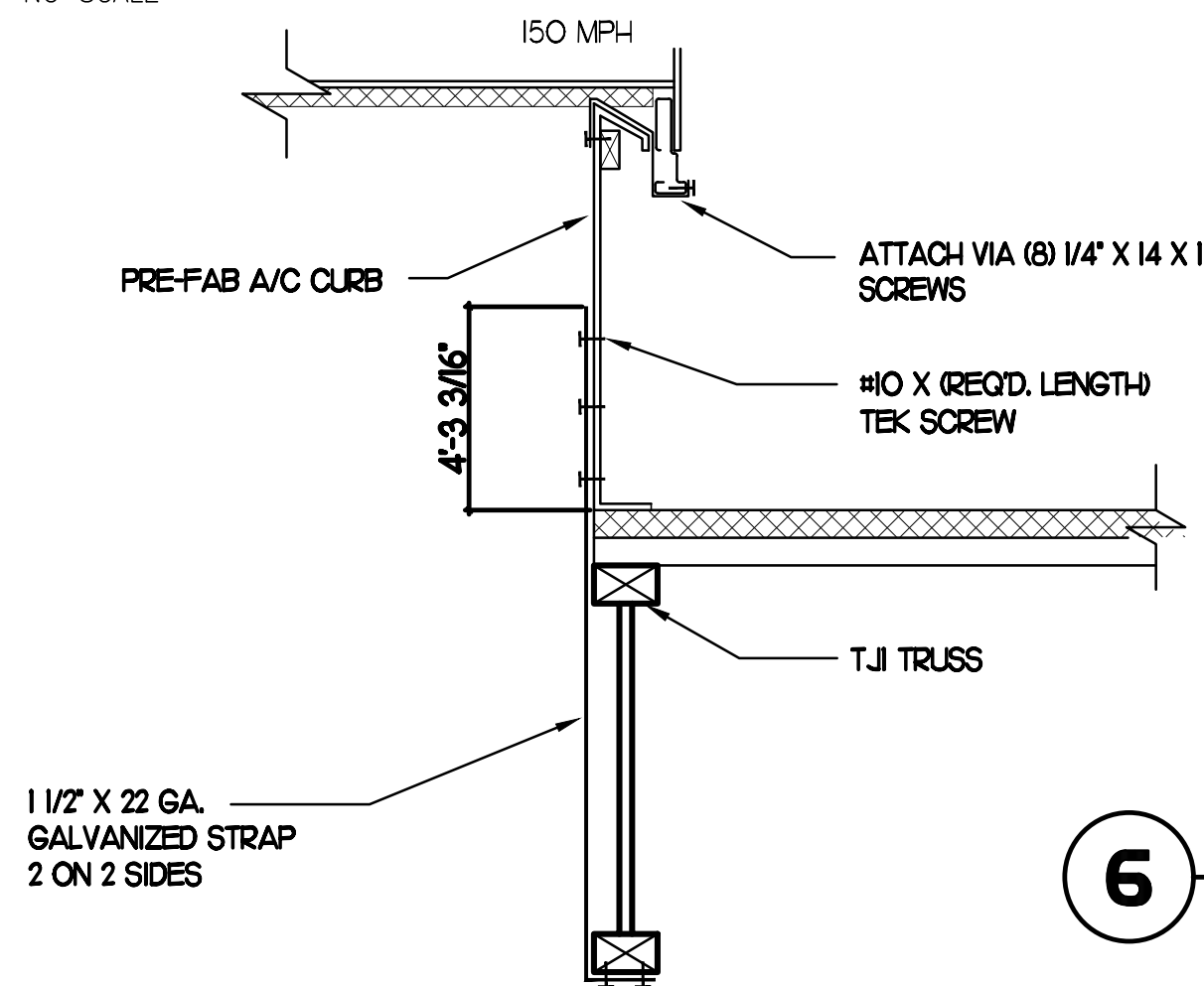
1 KITCHEN HOOD EXHAUST FAN

NO SCALE



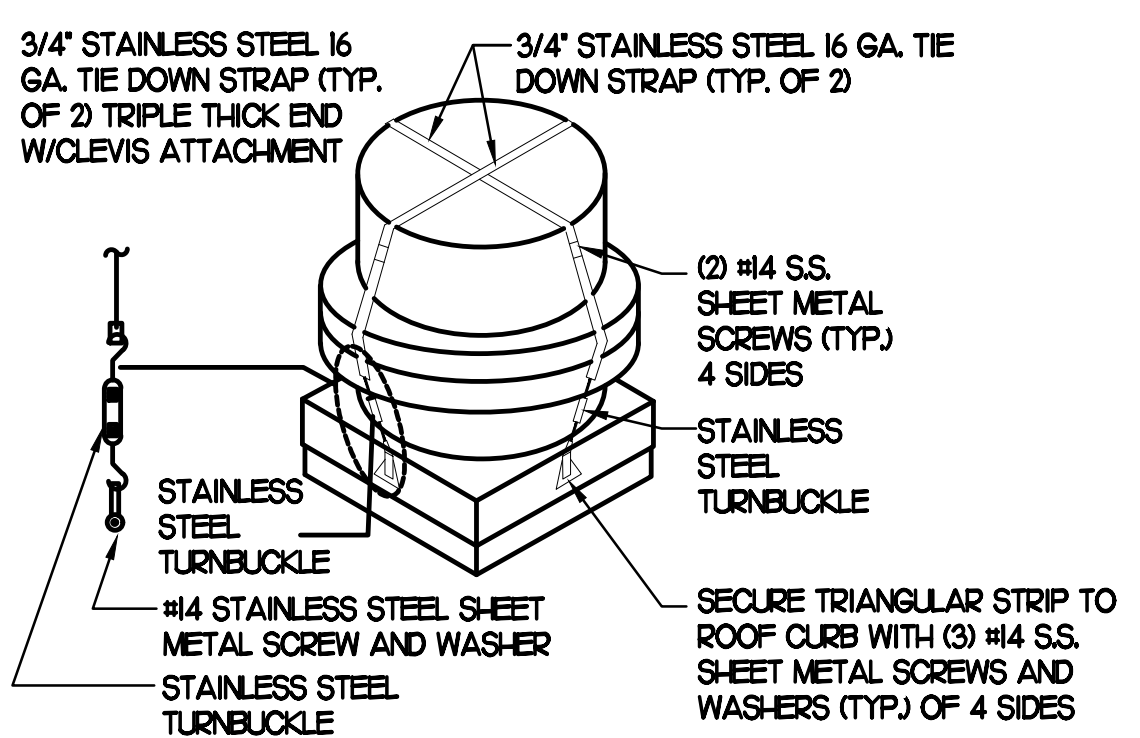
2 SAG/RAG/GRILLE TAKE-OFF

NO SCALE



3 RTU TIE-DOWNS DETAIL

NO SCALE



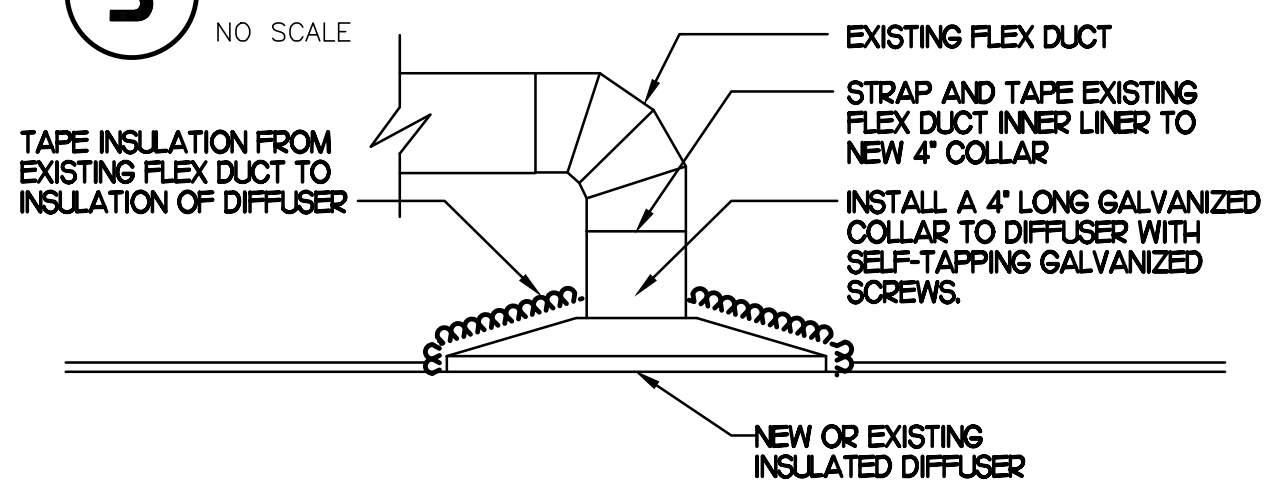
4 FAN SECURING DETAIL

NO SCALE

NOTE: SIMILAR FOR KITCHEN HOOD EXHAUST AND SUPPLY FANS.

5 GREASE EXHAUST DUCT PROTECTION TO COMBUSTIBLES DETAIL

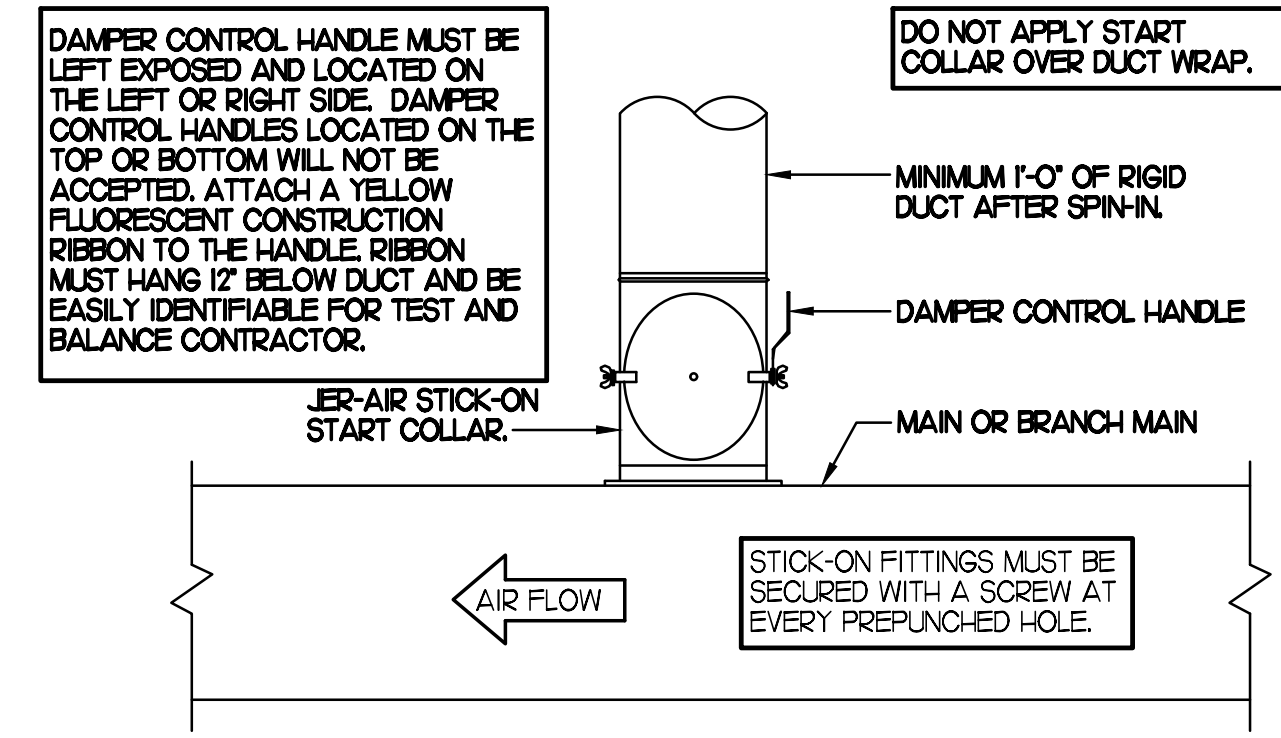
NO SCALE



6 DIFFUSER & GRILLE WHEN CEILING IS REPLACED

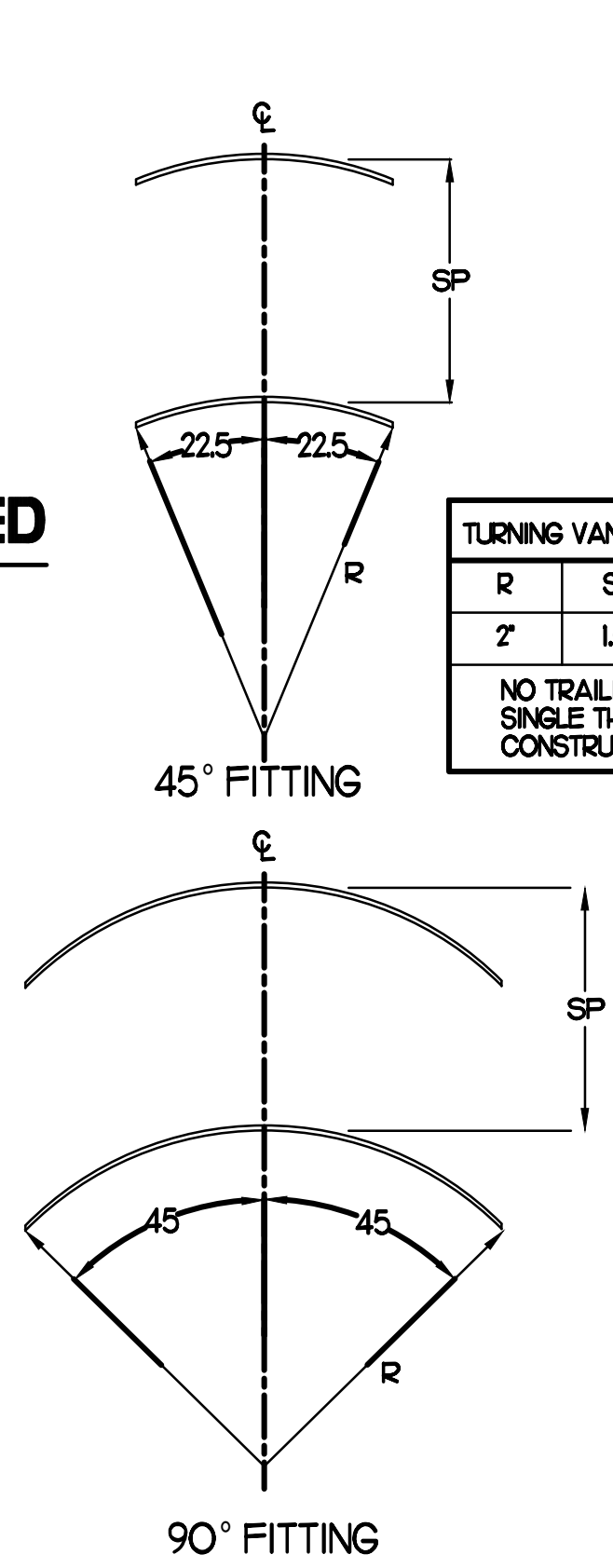
NO SCALE

CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE JER-AIR START COLLARS FOR BOTH WITH AND WITHOUT A MANUAL BALANCING DAMPER. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE JER-AIR START COLLARS DIRECTLY FROM TOM BARRROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. JER-AIR START COLLARS NOT PURCHASED THRU TOM BARRROW COMPANY WILL NOT BE ACCEPTED.



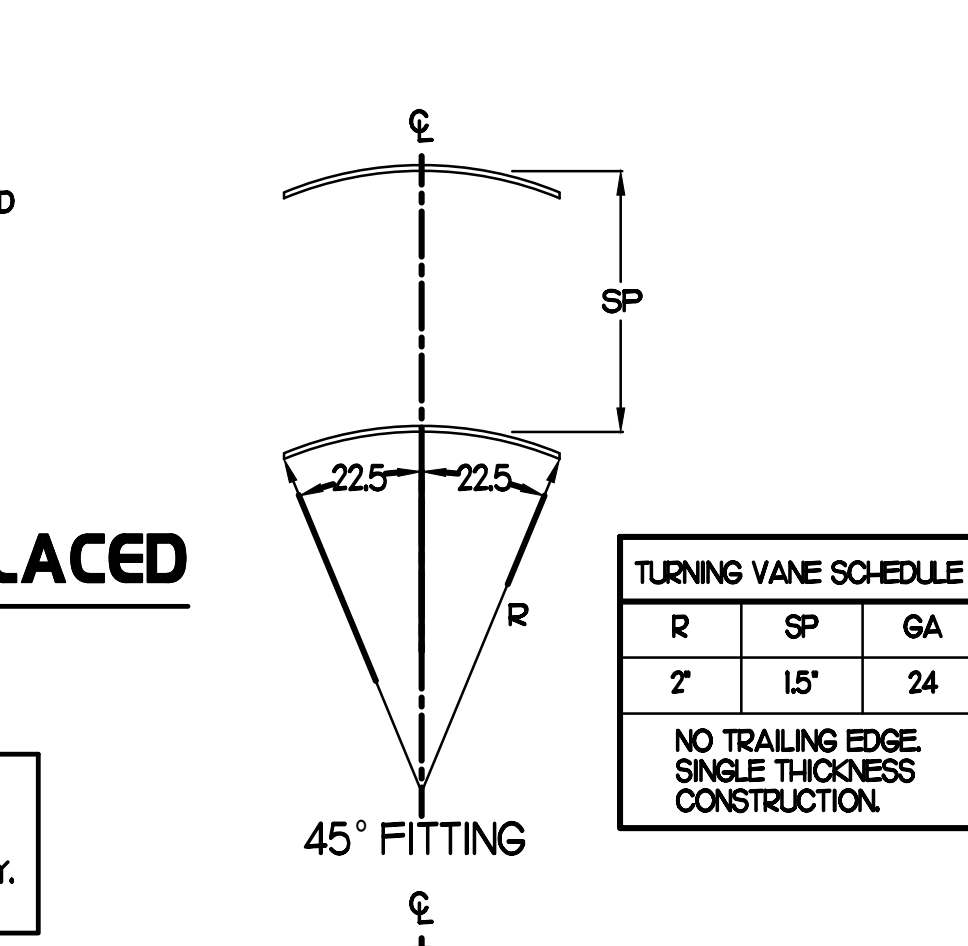
7 START COLLAR

NO SCALE



8 TURNING VANES

NO SCALE



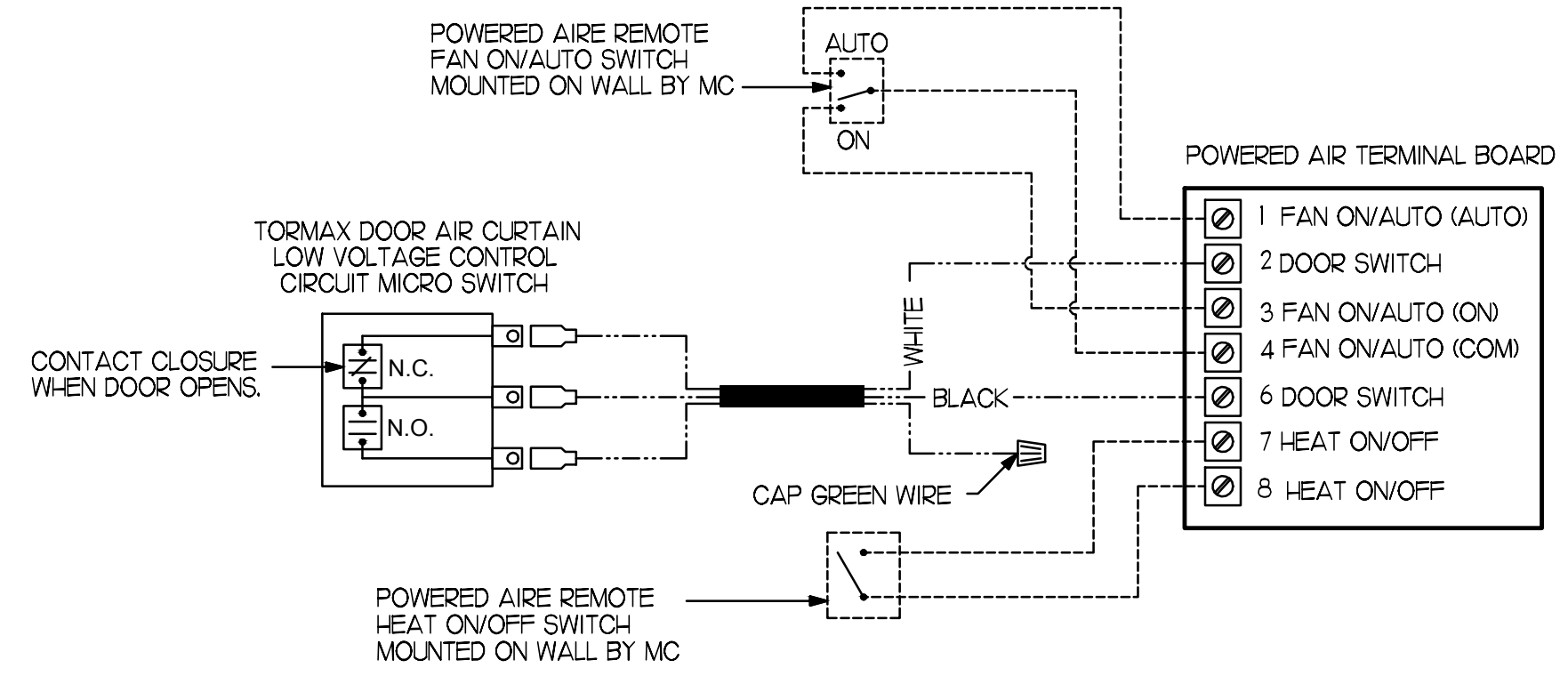
9 TEE CONSTRUCTION

NO SCALE

LEGEND

----- 18 AWG MIN LOW VOLTAGE WIRING BY MC, UNO.

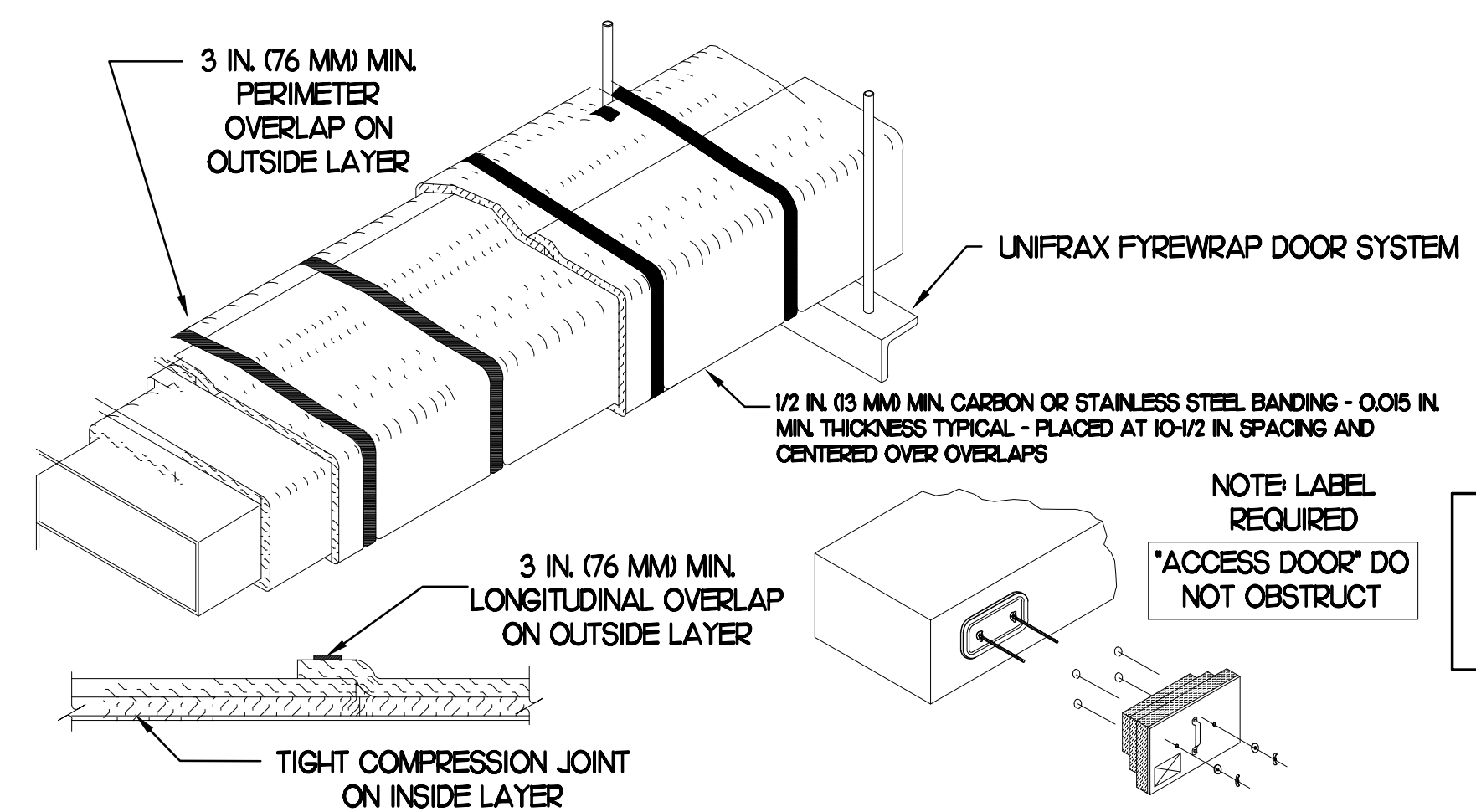
----- 22 AWG LOW VOLTAGE WIRING PROVIDED BY TORMAX. WIRING INSTALLED BY MC.



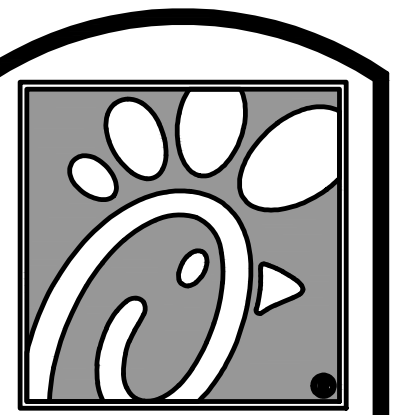
10 AIR CURTAIN WIRING DIAGRAM

NO SCALE

- UNIFRAX FYREWAP ELITE I.5 DUCT INSULATION HAS BEEN TESTED IN ACCORDANCE WITH ASTM E 2336 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND MEETS THE REQUIREMENTS FOR ONE OR TWO HOUR ENCLOSURES. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH EITHER ASTM E 814 OR UL 1479. ICC-ES APPROVAL PER REPORT ESR 2213 OR ESR 2832. UNDERWRITER'S LABORATORIES (UL) LISTINGS SHOW COMPLIANCE TO UL 1479 FOR THROUGH PENETRATION FIRESTOP SYSTEMS.
- COMPLIANT TO THE FOLLOWING CODES:
 - BUILDING CODE: 2014 INDIANA BUILDING CODE, (IBC, 2012 EDITION, 1ST PRINTING)
 - PLUMBING CODE: INDIANA PLUMBING CODE, 2012 EDITION (IPC, 2006 EDITION)
 - MECHANICAL CODE: INDIANA MECHANICAL CODE, 2014 EDITION (IMC, 2012 EDITION, 1ST PRINTING)
 - FUEL GAS CODE: 2018 INTERNATIONAL FUEL GAS CODE
 - ELECTRICAL CODE: INDIANA ELECTRICAL CODE 2009 EDITION (NFPA 70-2008)
 - ENERGY CODE: INDIANA ENERGY CONSERVATION CODE 2010 (ASHRAE 90.1, 2007 EDITION, AS AMENDED)
 - FIRE CODE: 2012 INTERNATIONAL FIRE CODE
 - ACCESSIBILITY CODE: ANSI A117-2009
- INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON INSIDE LAYER AND 3 INCH MINIMUM OVERLAPS ON BOTH PERIMETER AND LONGITUDINAL OVERLAPS ON OUTSIDE LAYER.
- GREASE EXHAUST DUCT RUNS FROM THE HOOD EXHAUST CONNECTION UP TO THE EXHAUST FAN ON THE ROOF WITH MINIMAL TURNS OR BENDS AND MAINTAINING MINIMUM 1/4 UNIT VERTICAL RISE PER 12 UNITS HORIZONTAL RUN. NFPA 96 COMPLIANT ACCESS DOORS LOCATED AS REQUIRED BY CODE.
- UNIFRAX FYREWAP ELITE I.5 ACCESS DOORS AS SPECIFIED IN ICC-ES BUILDING CODE REPORTS ESR 2213 OR ESR 2832.
- ROOF MOUNTED EXHAUST FAN IS MOUNTED ON A HINGED BASE WHICH ALLOWS ACCESS TO THE DUCT FROM THE ROOF.
- SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE AT LEAST A MINIMUM OF 3/8 IN. DIAMETER. USE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
- UNIFRAX FYREWAP ELITE I.5 DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- UNIFRAX FYREWAP ELITE I.5 DUCT WRAP SHALL BE INSTALLED ON THE DUCT FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.



FYREWAP ELITE DUCT INSULATION COMMERCIAL KITCHEN GREASE DUCT SYSTEM ASTM E 2336/ACCES ACOI SYSTEM 1- & 2-HOUR FIRE-RATED ENCLOSURE, SHAFT ALTERNATIVE ZERO CLEARANCE TO COMBUSTIBLES BLITT JOINT SYSTEM (BOTH LAYERS, MAX 24"X24" DUCT)



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

| Mark | Date | By |
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SEAL

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INTERPLAN
INTERPLAN ARCHITECTS LLC
DAVID BOYCE, ARCHITECT
LOUISE CRAVER, ARCHITECT
GREG HENLOCK, ARCHITECT
RICHARD PASZKINET, ARCHITECT
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY., STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
NEW ALBANY FSU
S06N-R

2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
MECHANICAL
DETAILS

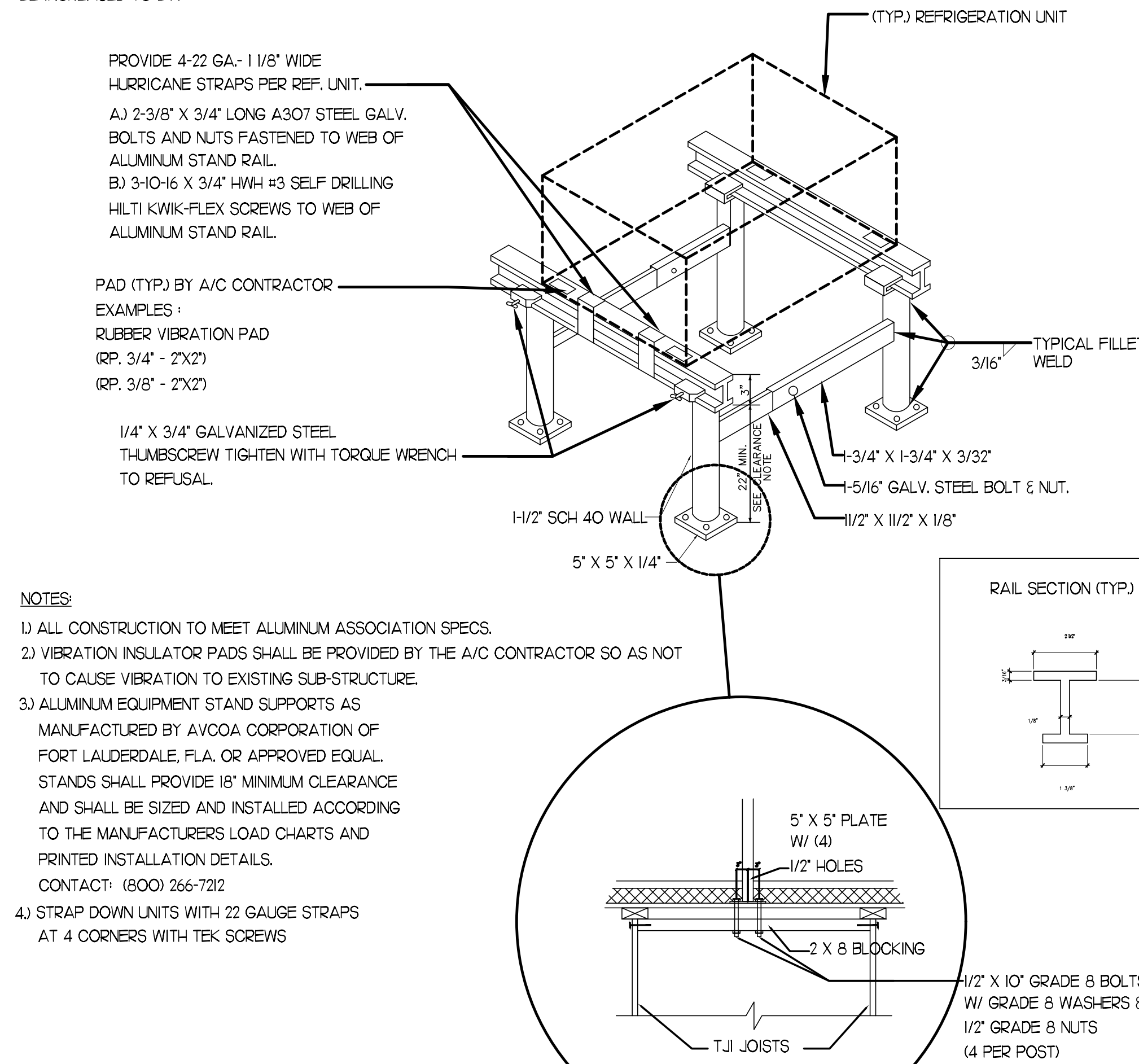
VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134
Store : 2435
Date : 06/2021
Drawn By : CH
Checked By : DAK

Sheet
M4.I

CLEARANCE NOTE

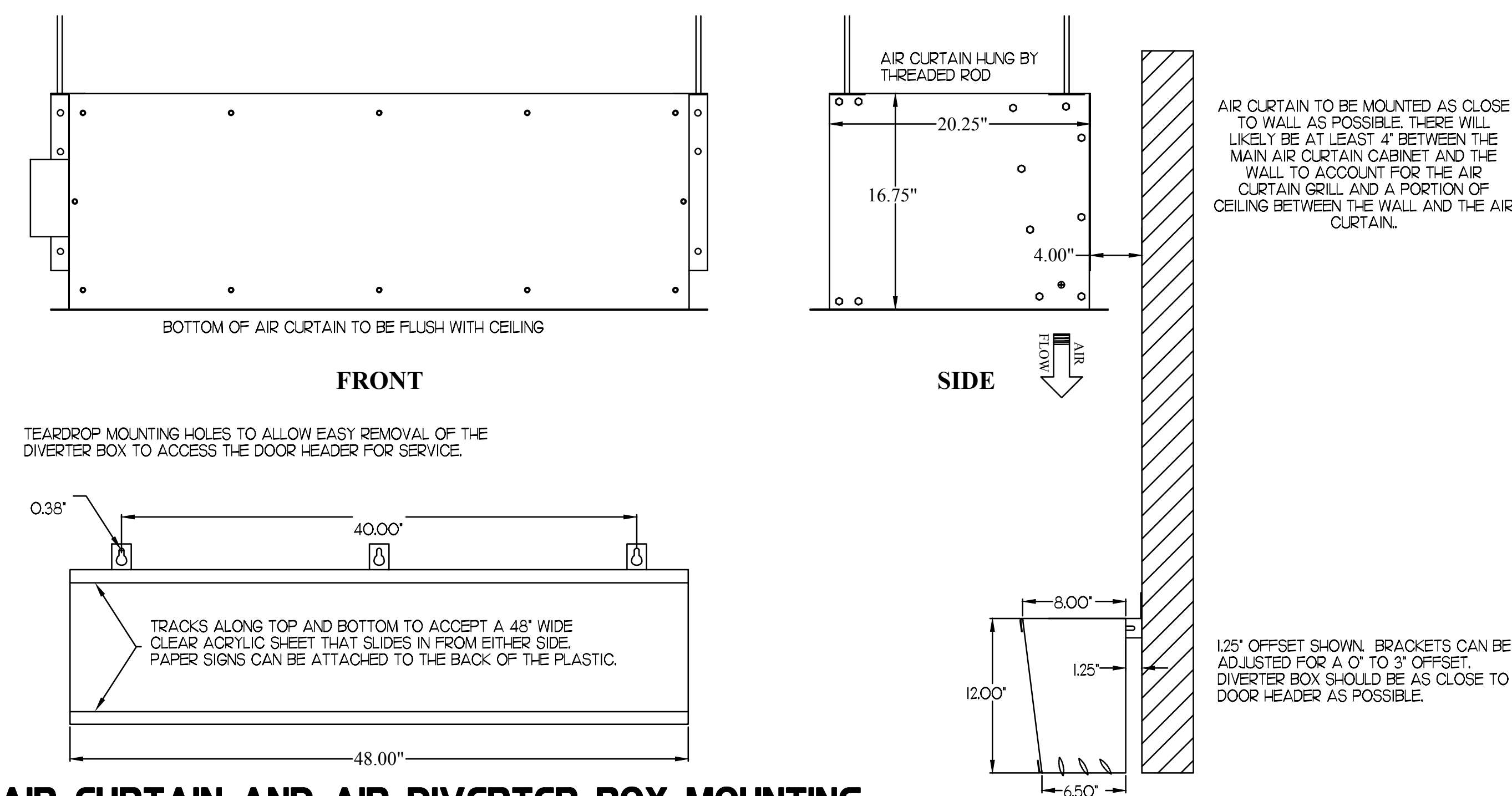
CONTRACTOR TO VERIFY THICKNESS OF ROOF ASSEMBLY. 18" CLEARANCE REQUIRED FROM BOTTOM OF SUPPORT RACK STRUCTURAL MEMBER TO TOP OF ROOF ASSEMBLY. IF ANY PIECE OF EQUIPMENT MOUNTED ON RACK EXCEEDS 36" IN THE LATERALLY MOUNTED DIMENSION, THE CLEARANCE NEEDS TO BE INCREASED TO 24".



- NOTES**
- 1) ALL CONSTRUCTION TO MEET ALUMINUM ASSOCIATION SPECS.
 - 2) VIBRATION INSULATOR PADS SHALL BE PROVIDED BY THE A/C CONTRACTOR SO AS NOT TO CAUSE VIBRATION TO EXISTING SUB-STRUCTURE.
 - 3) ALUMINUM EQUIPMENT STAND SUPPORTS AS MANUFACTURED BY AVCOA CORPORATION OF FORT LAUDERDALE, FLA. OR APPROVED EQUAL STANDS SHALL PROVIDE 18" MINIMUM CLEARANCE AND SHALL BE SIZED AND INSTALLED ACCORDING TO THE MANUFACTURERS LOAD CHARTS AND PRINTED INSTALLATION DETAILS. CONTACT: (800) 266-7212
 - 4) STRAP DOWN UNITS WITH 22 GAUGE STRAPS AT 4 CORNERS WITH TEK SCREWS

4 REFRIGERATION SYSTEM FRAMING SUPPORT DETAIL

NO SCALE

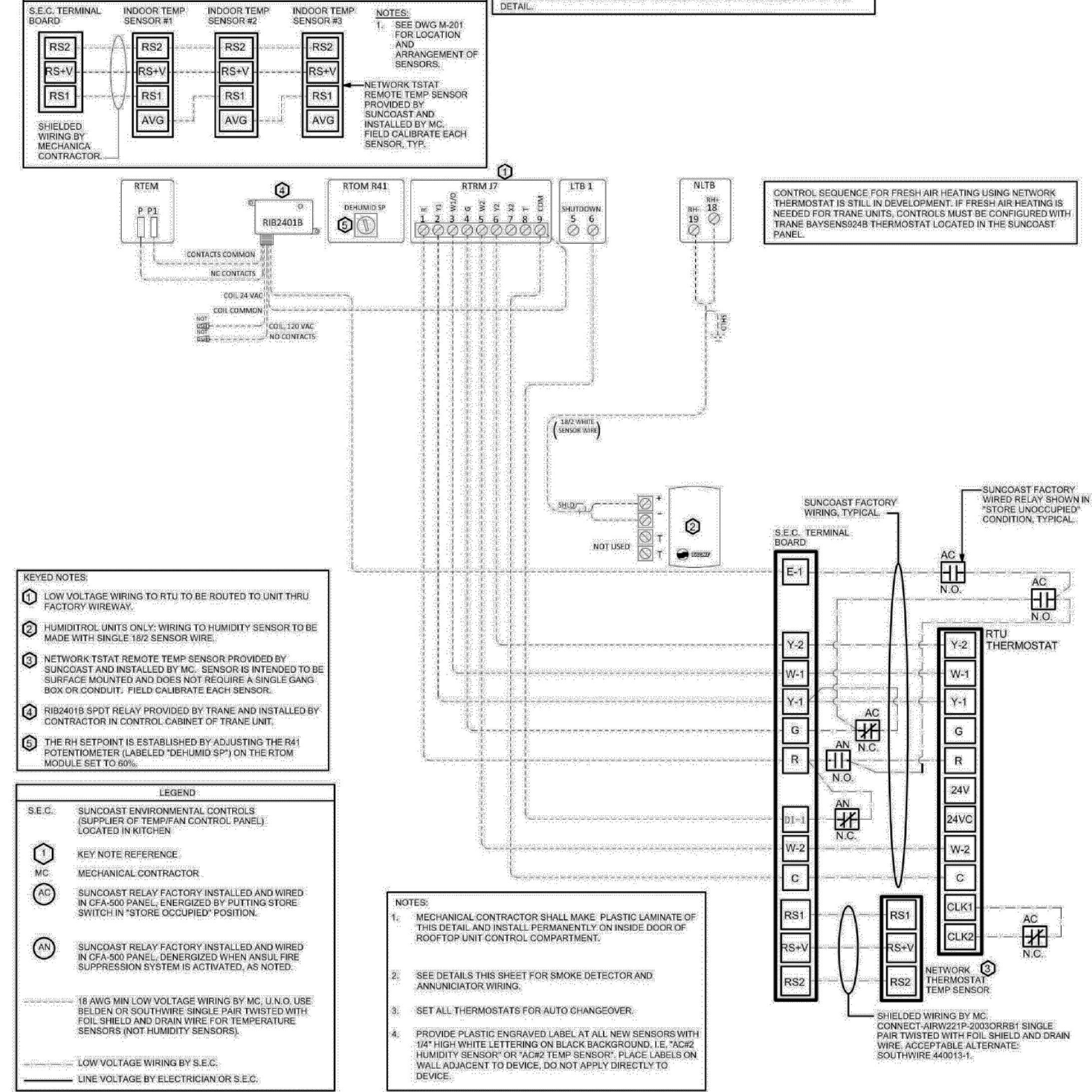


3 AIR CURTAIN AND AIR DIVERTER BOX MOUNTING

NO SCALE

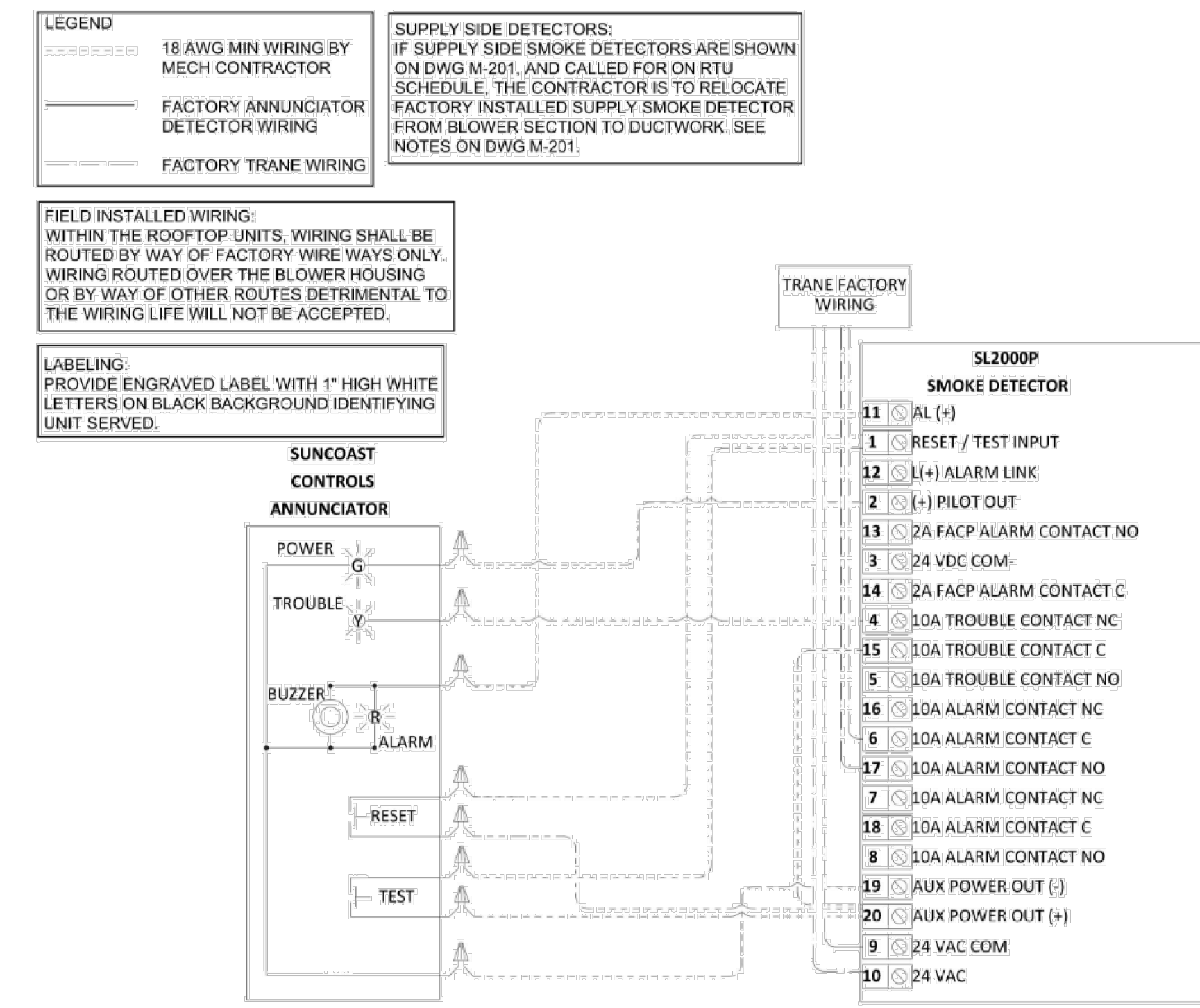
3 ADJUSTABLE STEERING VANES TO BE ADJUSTED WITH THE ONE CLOSEST TO THE WALL AT THE SHARPEST ANGLE TO DIVERT AIR OUT OF THE OPENING ALONG THE ENTIRE OPENING HEIGHT.

AC#3 AVERAGING SENSORS (WHERE SHOWN ON PLANS)



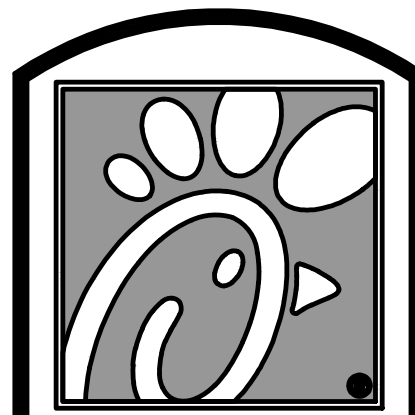
2 TRANE ROOFTOP UNIT WIRING DIAGRAM

NO SCALE



1 TRANE SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM

NO SCALE



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

| Mark | Date | By |
|------|----------|----|
| 1 | 12/10/21 | CH |

REPLACEMENT RTUS

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INTERPLAN ARCHITECTS LLC
DAVID BOYCE, ARCHITECT
LOUISE CRAVER, ARCHITECT
GREG NIBLOCK, ARCHITECT
RICHARD PASZKINET, ARCHITECT

STORE
NEW ALBANY FSU
S06N-R

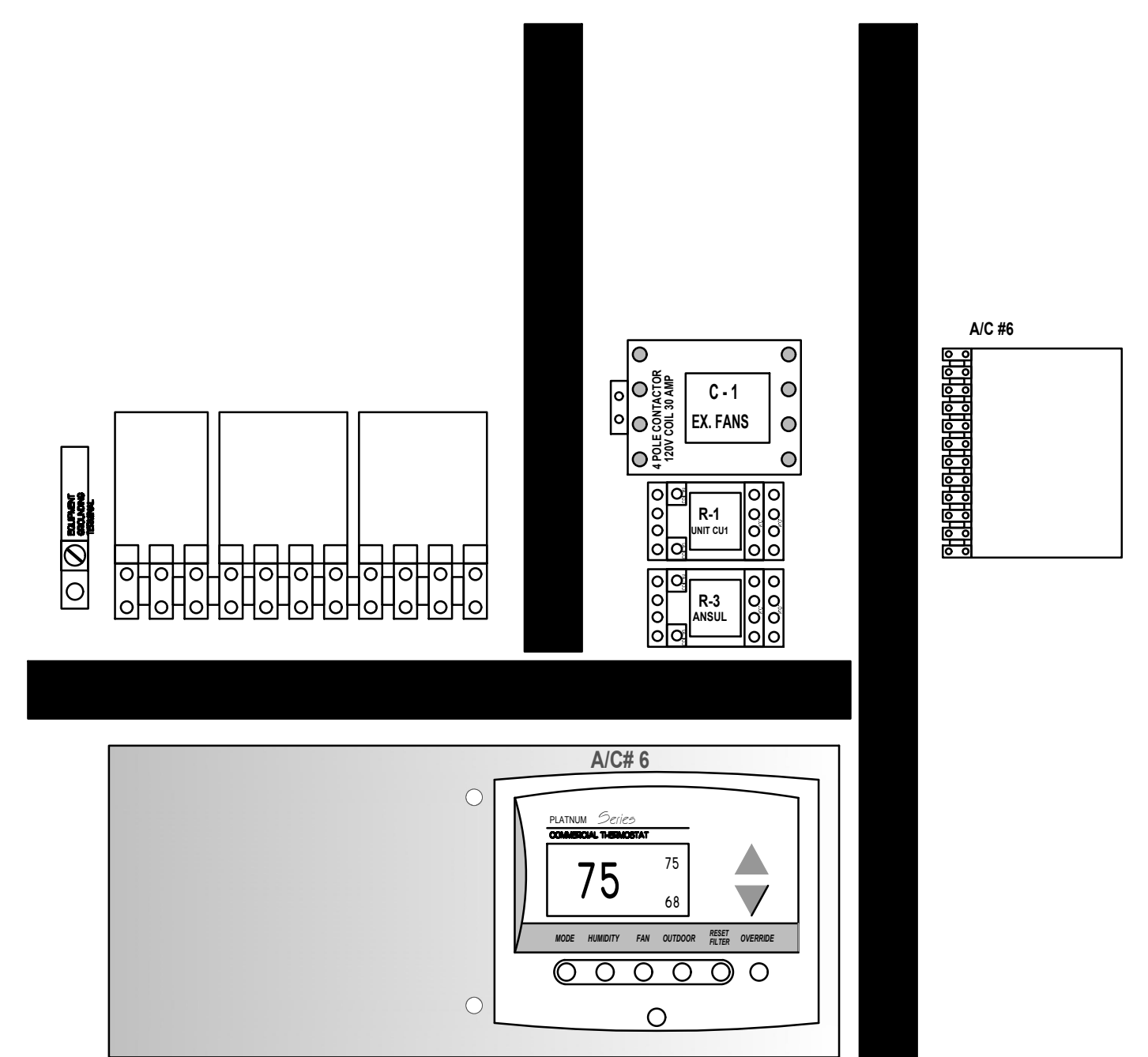
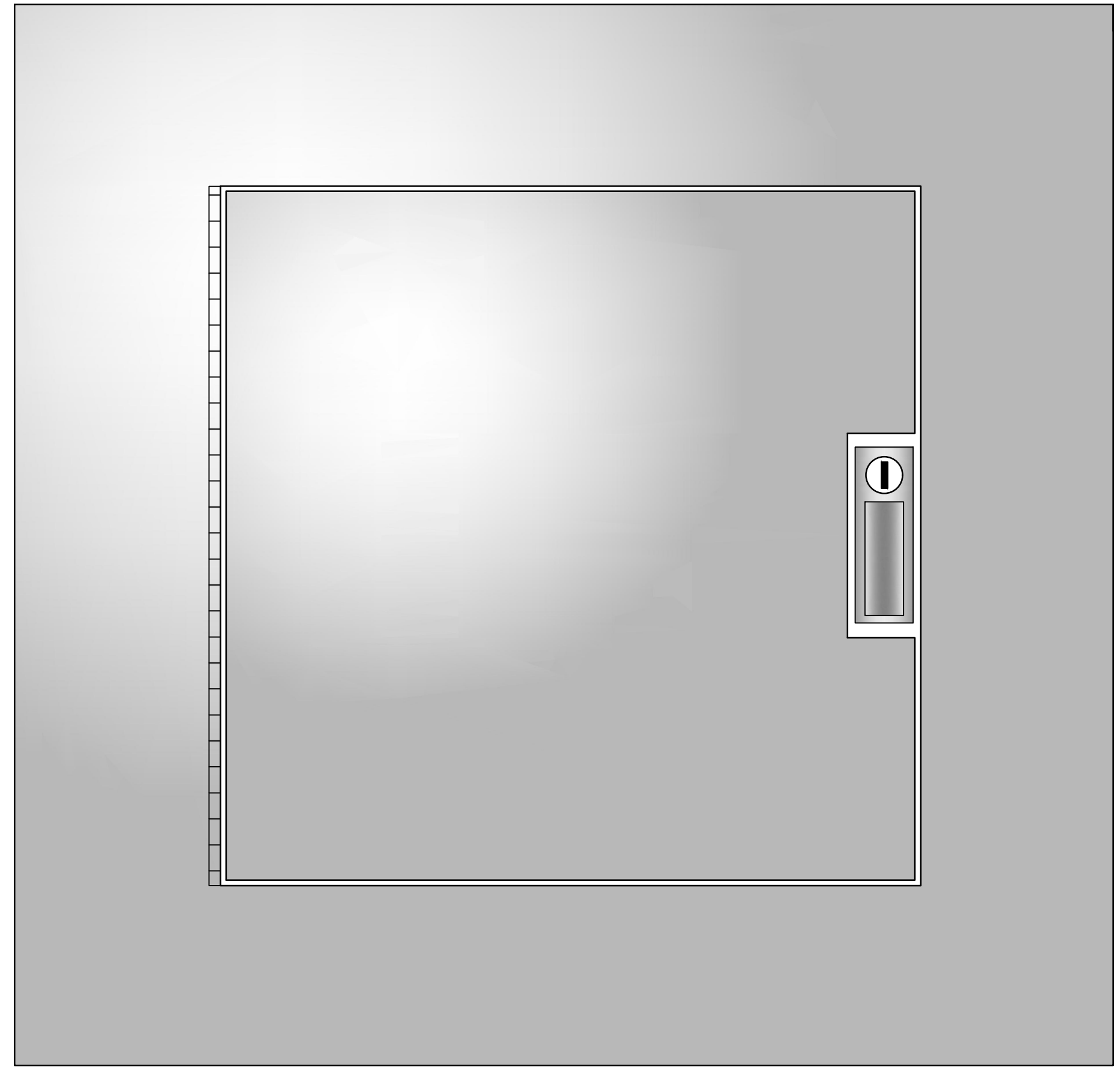
2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
MECHANICAL
DETAILS

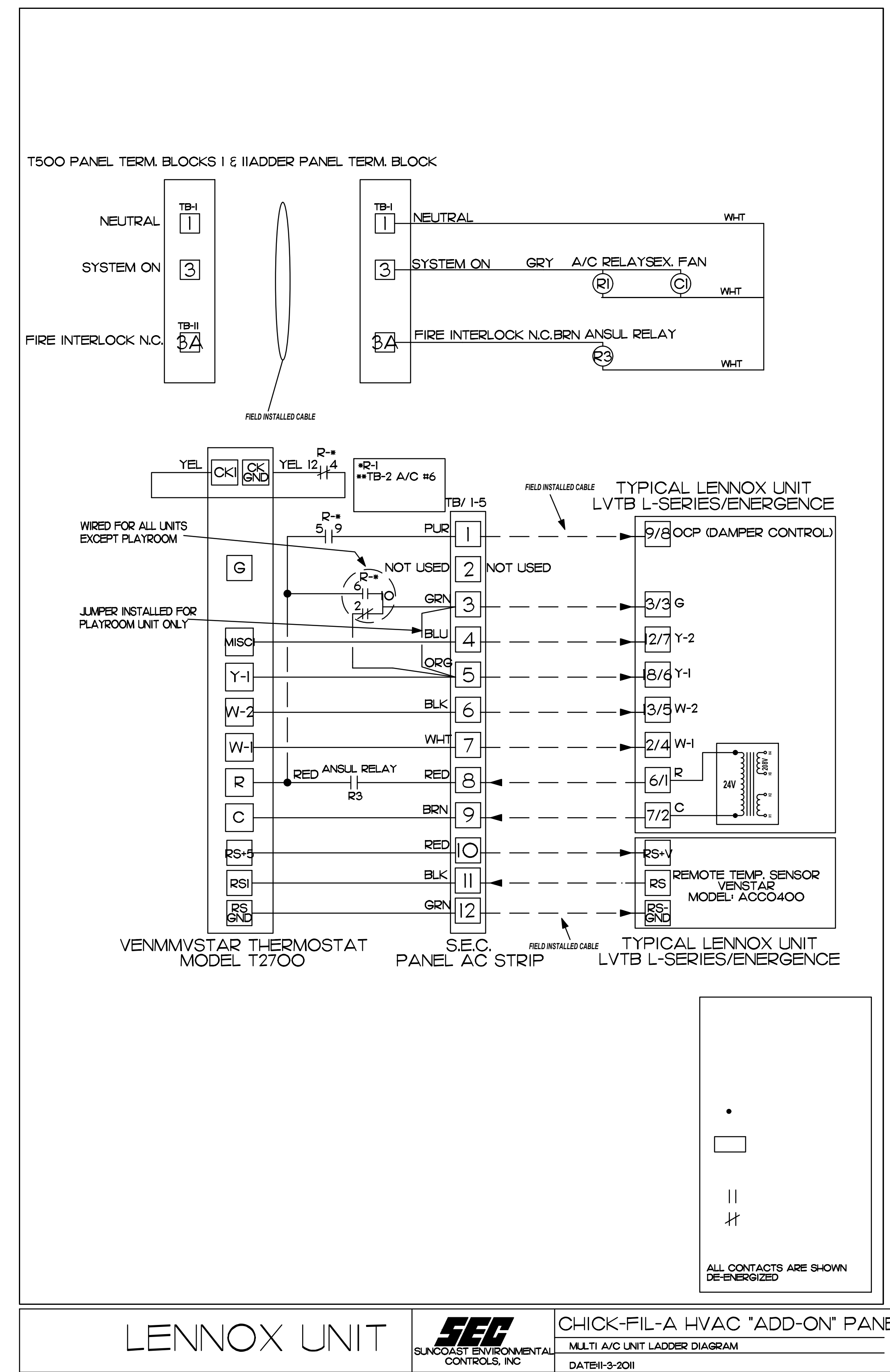
VERSION: XX.XXX
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Job No. : 21.0134
Store : 2435
Date : 06/2021
Drawn By : CH
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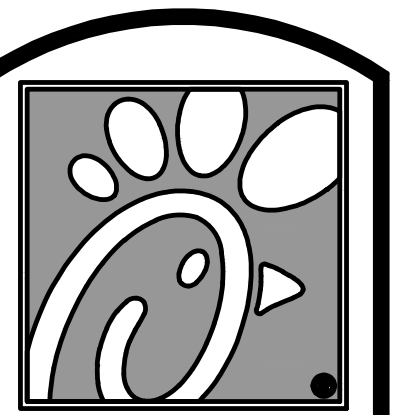
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I SUNCOAST PANEL
NONE



LENNOX UNIT
SEC SUNCOAST ENVIRONMENTAL CONTROLS, INC. CHICK-FIL-A HVAC "ADD-ON" PANEL
MULTI A/C UNIT LADDER DIAGRAM
DATE: 11-3-2011



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

| Mark | Date | By |
|------|------|----|
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RICHARD PASZKIEK, ARCHITECT
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220 E. CENTRAL PKWY, STE 4000
ALFAMONTE SPRINGS, FL 32701
407.645.5008

STORE
NEW ALBANY FSU
S06N-R

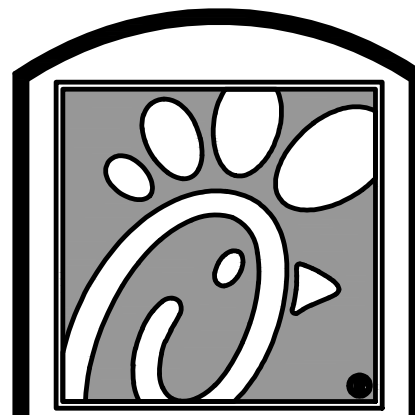
2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
MECHANICAL
CONTROLS

VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134
Store : 2435
Date : 06/2021
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Checked By: DAK

Sheet
M4.3



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

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FOR INFORMATION ONLY

INTERPLAN

INTERPLAN ARCHITECTS LLC
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RICHARD PASNET, ARCHITECT

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407.645.5008

STORE
NEW ALBANY FSU
S06N-R

2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
HOOD DETAILS

VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134
Store : 2435

Date : 06/2021

Drawn By : CH
Checked By : DAK

Sheet

M.H.I.

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFYING THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTING: COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

REVISION DESCRIPTION

| REV. | DATE | BY | DESCRIPTION |
|------|------|----|-------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW: WEBSITE: WWW.HALTONCOMPANY.COM

HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSDALE, KY 42164
1-270-237-5600

HALTON CO. (CANADA)
1021 BREWIK PLACE
MISSISSAUGA, ON L4W 3R7
1-905-624-0301

PROJECT: CHICK-FIL-A #2435
NEW ALBANY, IN
DRAWN BY: AF DATE: 10.01.21
SCALE: NTS
Halton Dwg: U21-669-01

APPROVED FOR FABRICATION

DATE

MODEL: KVL-D-IC

STANDARD FEATURES

- S.S. FILTERS (KSA) 1
- CAPTURE-JET *
- STAND-OFF *
- L.E.D. LIGHTS 1

OPTIONS

- REMOTE SWITCH PANEL *
- FIRE PROTECTION *
- ETL LISTED *
- W/D EXHAUST DAMPER *
- CEILING CLOSURE 2
- STD. BACKSPASH *
- INSULATED BACKSPASH *
- KBD DAMPER *

MATERIAL

- EXPOSED SURFACES 18 GA. S.S. *
- ALL 18 GA. S.S. *

COMMENTS

- 1) CLOSURE HEIGHT = TBD (TWO SIDES)
- 2) CEILING HEIGHT = ADVISE CEILING CLOSURE RECESSED 1" FROM FRONT TO CREATE SHELF
- 3) 18"X24" ACCESS DOOR IDENTIFIED AT CAPTURE-JET V/F FRONT C/J INTAKE
- 4) NOTCHED RIGHT END PANEL DOUBLE RECTANGLE PIN & SLEEVE
- 5) 3" X 3" TRIM STRIP FOR STAND-OFF ON LEFT END
- 6) 3" REAR SIDE STAND-OFF TO HAVE 1" THICK INSULATION

DATE: 10.01.21 DWG. NO: U21-669-01 ITEM NO: H-3 EXHAUST AIR INFORMATION: CFM 390 TAB SP .37' .42'

PROJECT: CHICK-FIL-A #2435 NEW ALBANY

LOCATION: NEW ALBANY, IN

CAPTURE AIR INFORMATION: CFM 18 TAB SP .30'

DATE: 10.01.21 DWG. NO: U21-669-01 ITEM NO: H-2 EXHAUST AIR INFORMATION: CFM 701 TAB SP .30' .39'

PROJECT: CHICK-FIL-A #2435 NEW ALBANY

LOCATION: NEW ALBANY, IN

CAPTURE AIR INFORMATION: CFM 30 TAB SP .29'

MODEL: KVL-C-IC

STANDARD FEATURES

- S.S. FILTERS (KSA) 2
- CAPTURE-JET *
- STAND-OFF *
- L.E.D. LIGHTS 1

OPTIONS

- REMOTE SWITCH PANEL *
- FIRE PROTECTION *
- ETL LISTED *
- W/D EXHAUST DAMPER *
- CEILING CLOSURE 2
- STD. BACKSPASH *
- INSULATED BACKSPASH *
- KBD DAMPER *

MATERIAL

- EXPOSED SURFACES 18 GA. S.S. *
- ALL 18 GA. S.S. *

COMMENTS

- 1) CLOSURE HEIGHT = TBD (TWO SIDES)
- 2) CEILING HEIGHT = ADVISE CEILING CLOSURE RECESSED 1" FROM FRONT TO CREATE SHELF
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- 4) NOTCHED RIGHT END PANEL DOUBLE RECTANGLE PIN & SLEEVE
- 5) 3" X 3" TRIM STRIP FOR STAND-OFF ON LEFT END
- 6) 3" REAR SIDE STAND-OFF TO HAVE 1" THICK INSULATION

DATE: 10.01.21 DWG. NO: U21-669-01 ITEM NO: H-2 EXHAUST AIR INFORMATION: CFM 701 TAB SP .30' .39'

PROJECT: CHICK-FIL-A #2435 NEW ALBANY

LOCATION: NEW ALBANY, IN

CAPTURE AIR INFORMATION: CFM 30 TAB SP .29'

MODEL: KVL-2-IC

STANDARD FEATURES

- S.S. FILTERS (KSA) 3
- 1/2 S.S. FILTERS (KSA) 1
- CAPTURE-JET *
- STAND-OFF *
- L.E.D. LIGHTS 2

OPTIONS

- REMOTE SWITCH PANEL *
- FIRE PROTECTION *
- ETL LISTED *
- W/D EXHAUST DAMPER *
- CEILING CLOSURE 2
- STD. BACKSPASH *
- INSULATED BACKSPASH *
- KBD DAMPER *

MATERIAL

- EXPOSED SURFACES 18 GA. S.S. *
- ALL 18 GA. S.S. *

COMMENTS

- 1) CLOSURE HEIGHT = TBD (TWO SIDES)
- 2) CEILING HEIGHT = ADVISE CEILING CLOSURE RECESSED 1" FROM FRONT TO CREATE SHELF
- 3) 18"X24" ACCESS DOOR IDENTIFIED AT CAPTURE-JET V/F FRONT C/J INTAKE & KBD DAMPER
- 4) CONTINUOUS CAPTURE INTERNAL RIGHT END OUTLET
- 5) GREASE CUP ON LEFT SIDE
- 6) 3" REAR STAND-OFF TO HAVE 1" THICK INSULATION
- 7) FALL LEFT END PANEL

DATE: 10.01.21 DWG. NO: U21-669-01 ITEM NO: H-1R EXHAUST AIR INFORMATION: CFM 1080 TAB SP .13' .24'

PROJECT: CHICK-FIL-A #2435 NEW ALBANY

LOCATION: NEW ALBANY, IN

CAPTURE AIR INFORMATION: CFM 72 TAB SP .30'

MODEL: KVL-2-IC

STANDARD FEATURES

- S.S. FILTERS (KSA) 3
- 1/2 S.S. FILTERS (KSA) 1
- CAPTURE-JET *
- STAND-OFF *
- L.E.D. LIGHTS 2

OPTIONS

- REMOTE SWITCH PANEL *
- FIRE PROTECTION *
- ETL LISTED *
- W/D EXHAUST DAMPER *
- CEILING CLOSURE 2
- STD. BACKSPASH *
- INSULATED BACKSPASH *
- KBD DAMPER *

MATERIAL

- EXPOSED SURFACES 18 GA. S.S. *
- ALL 18 GA. S.S. *

COMMENTS

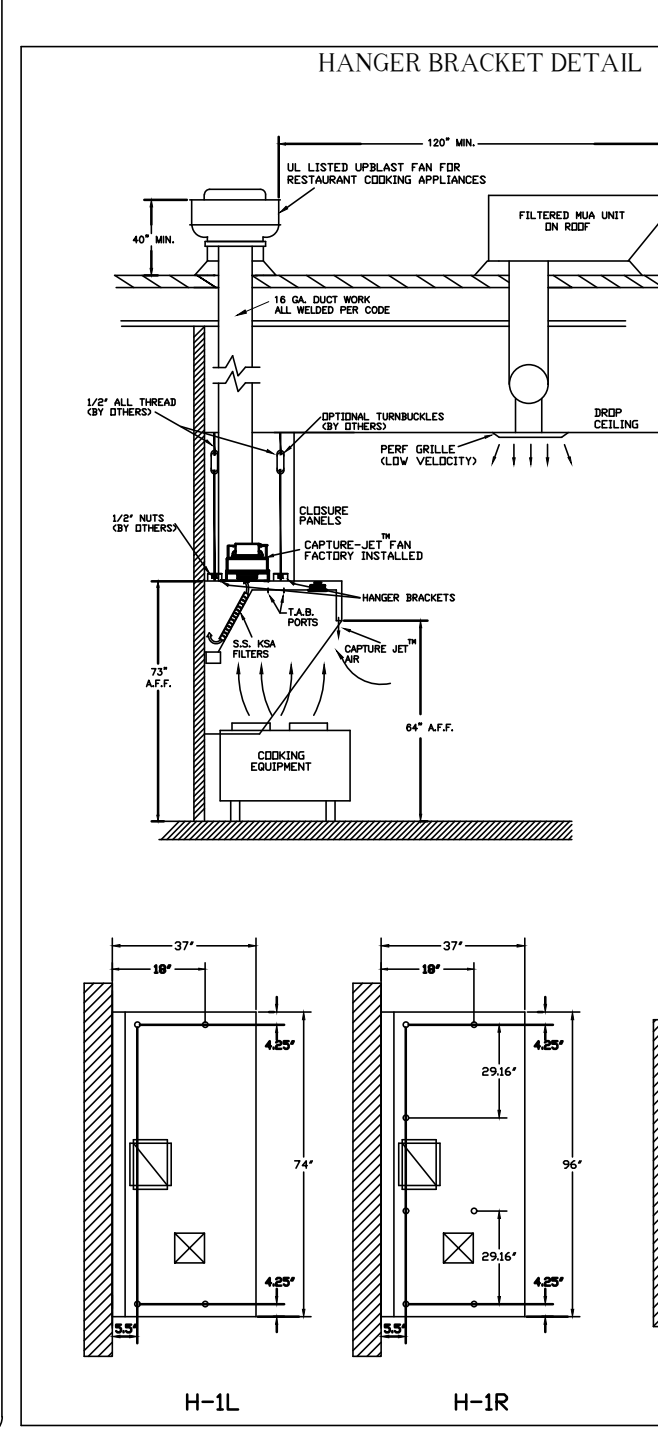
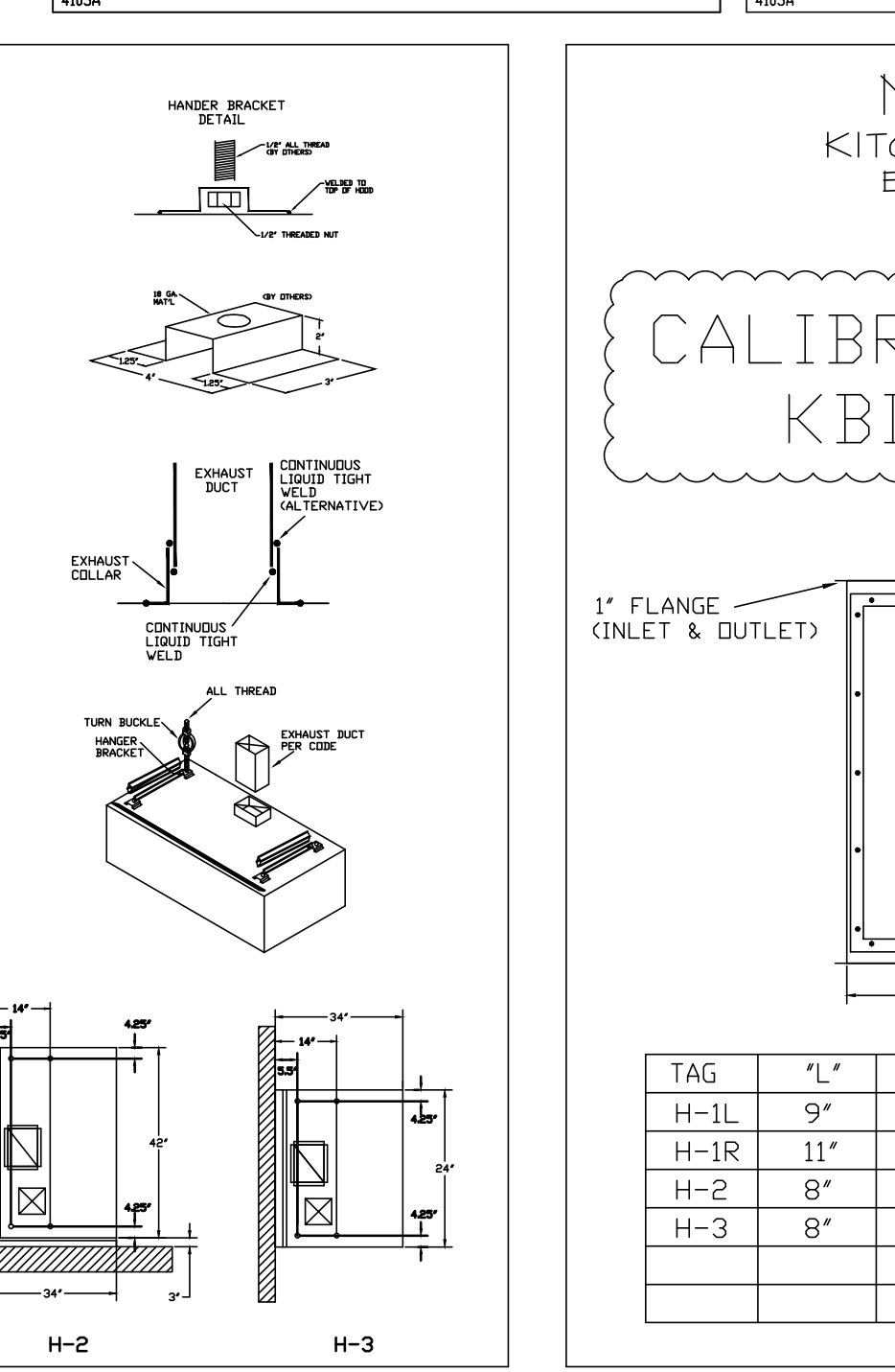
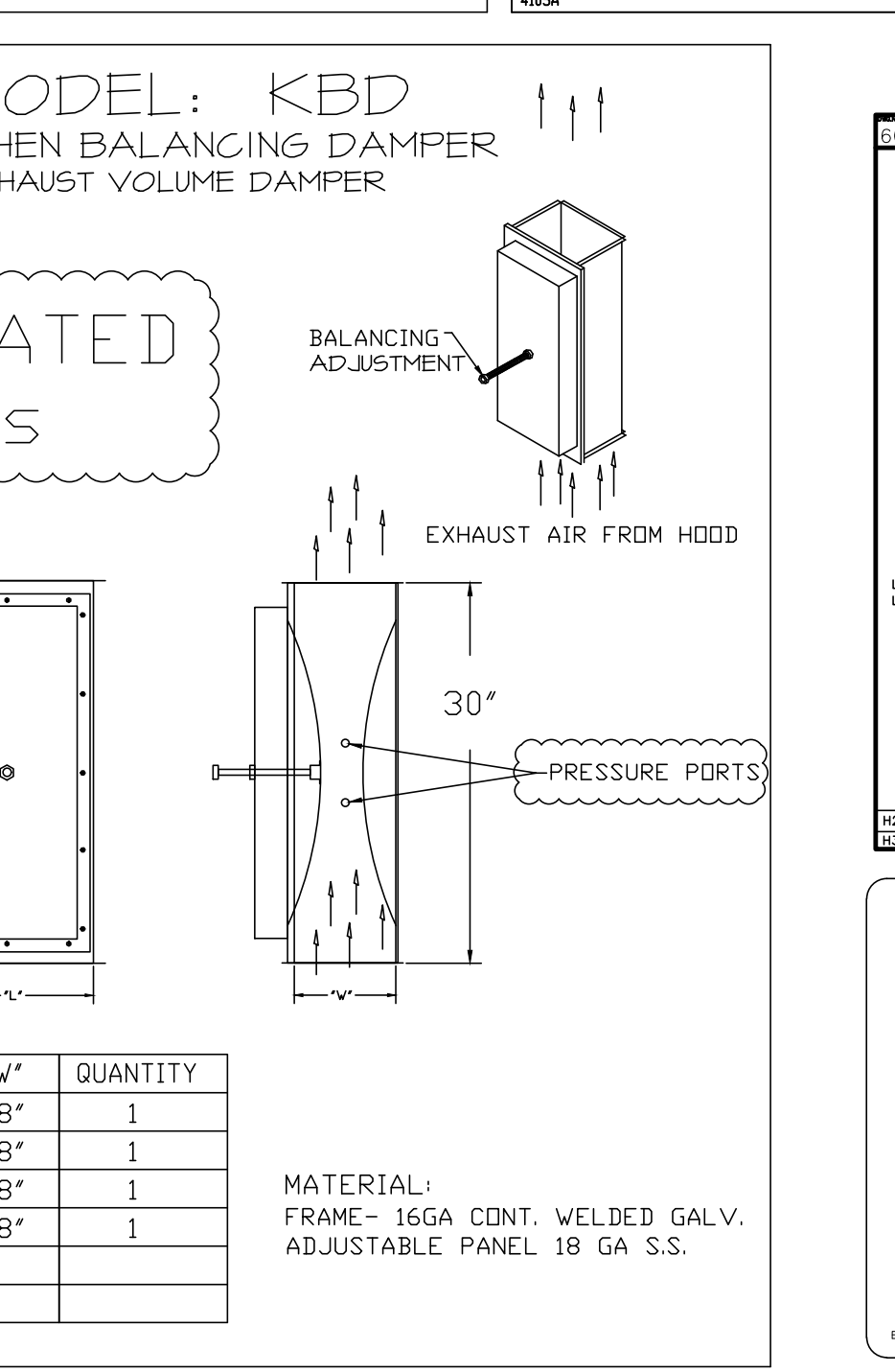
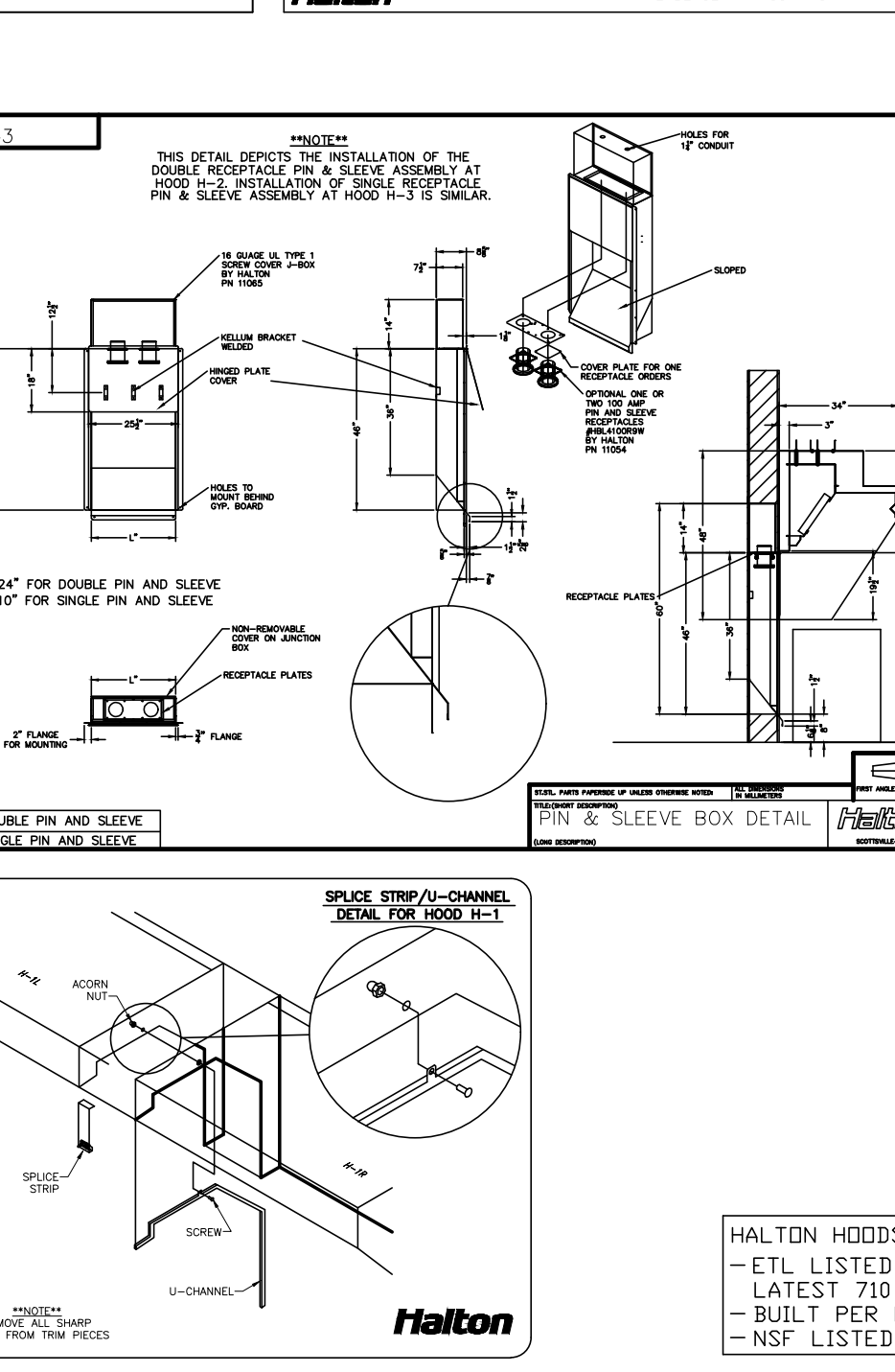
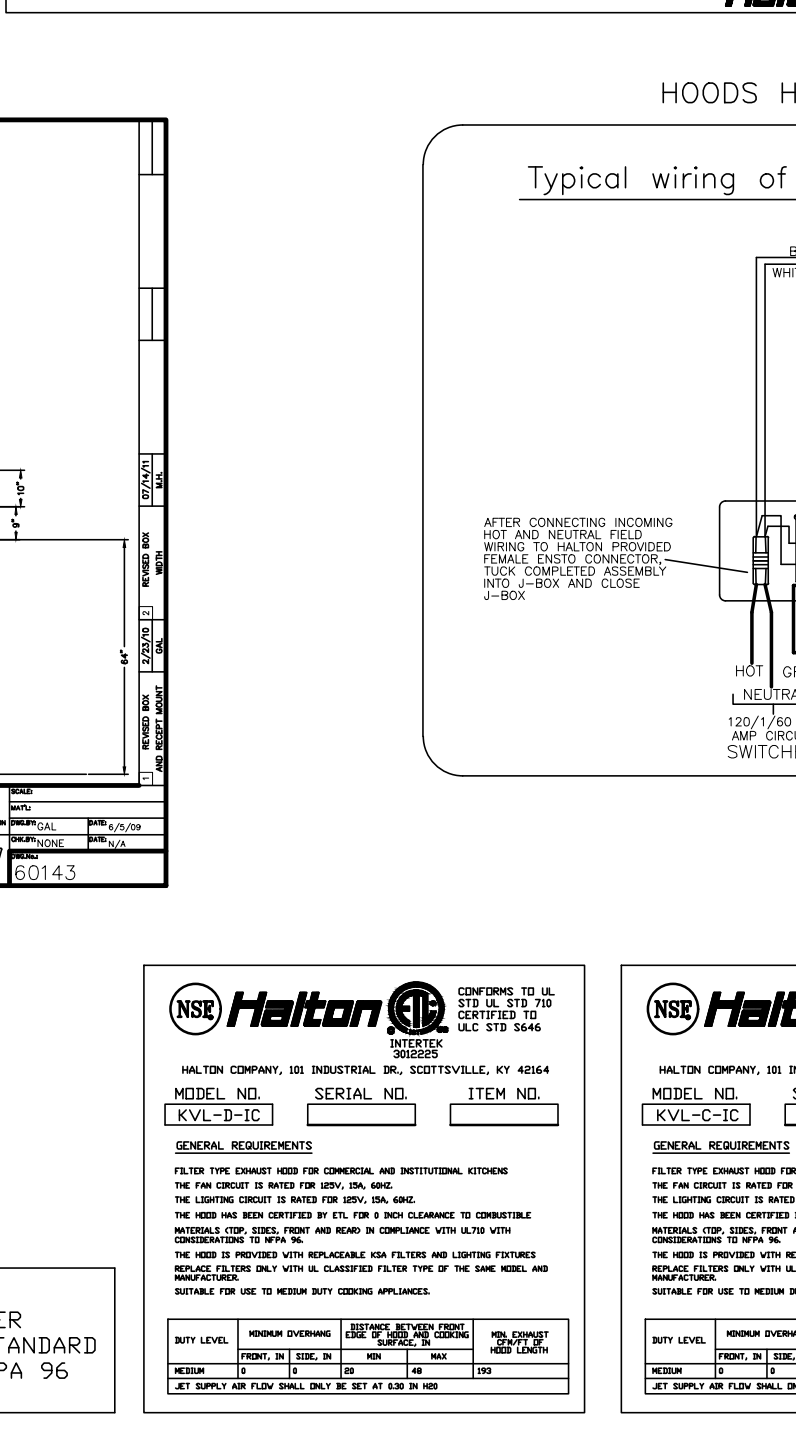
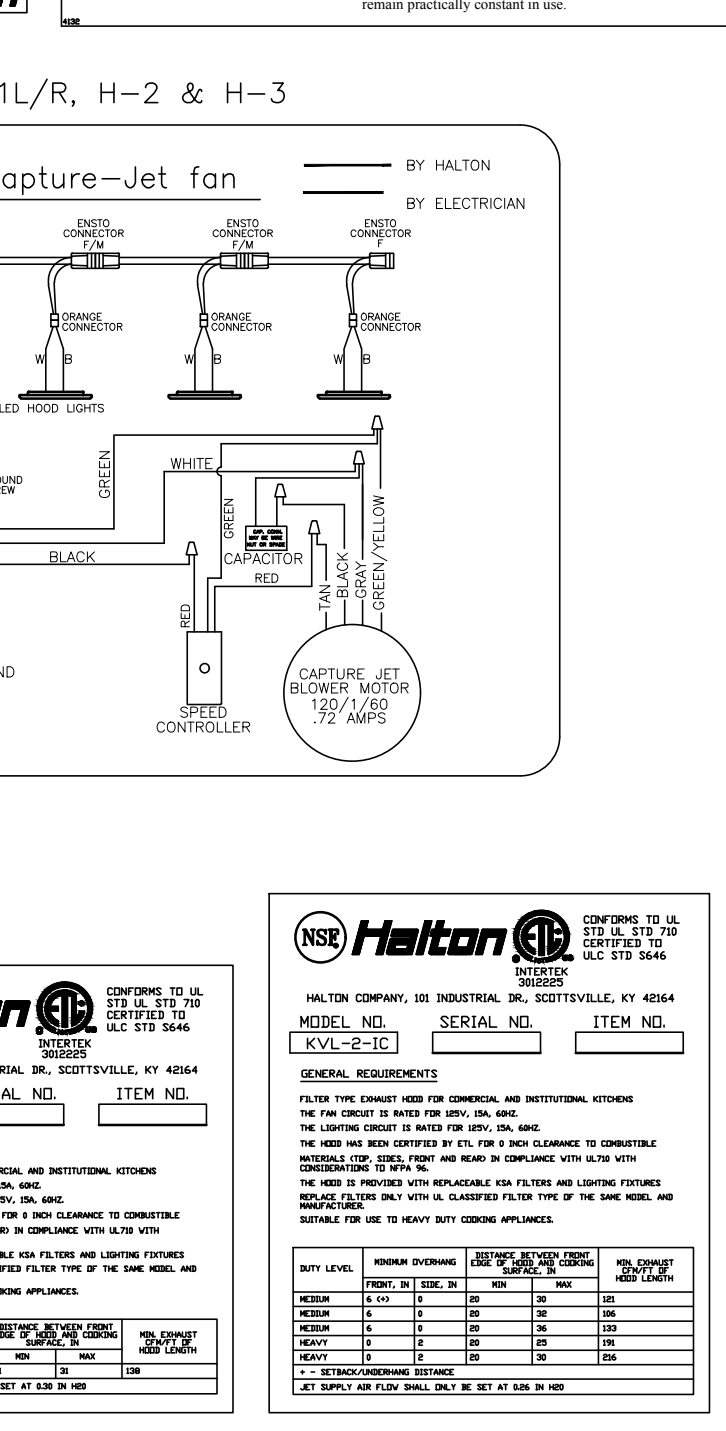
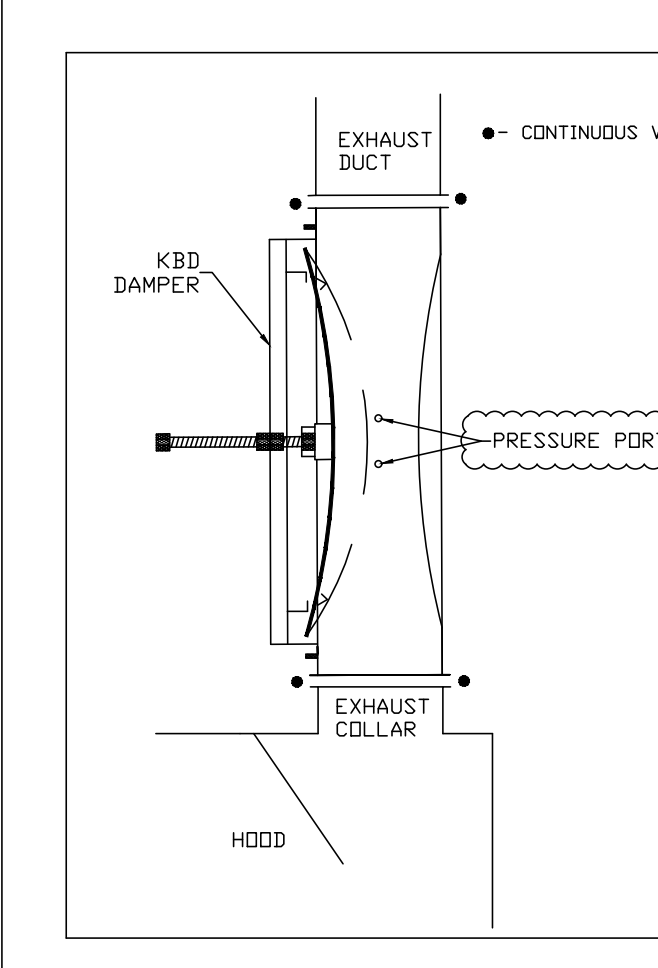
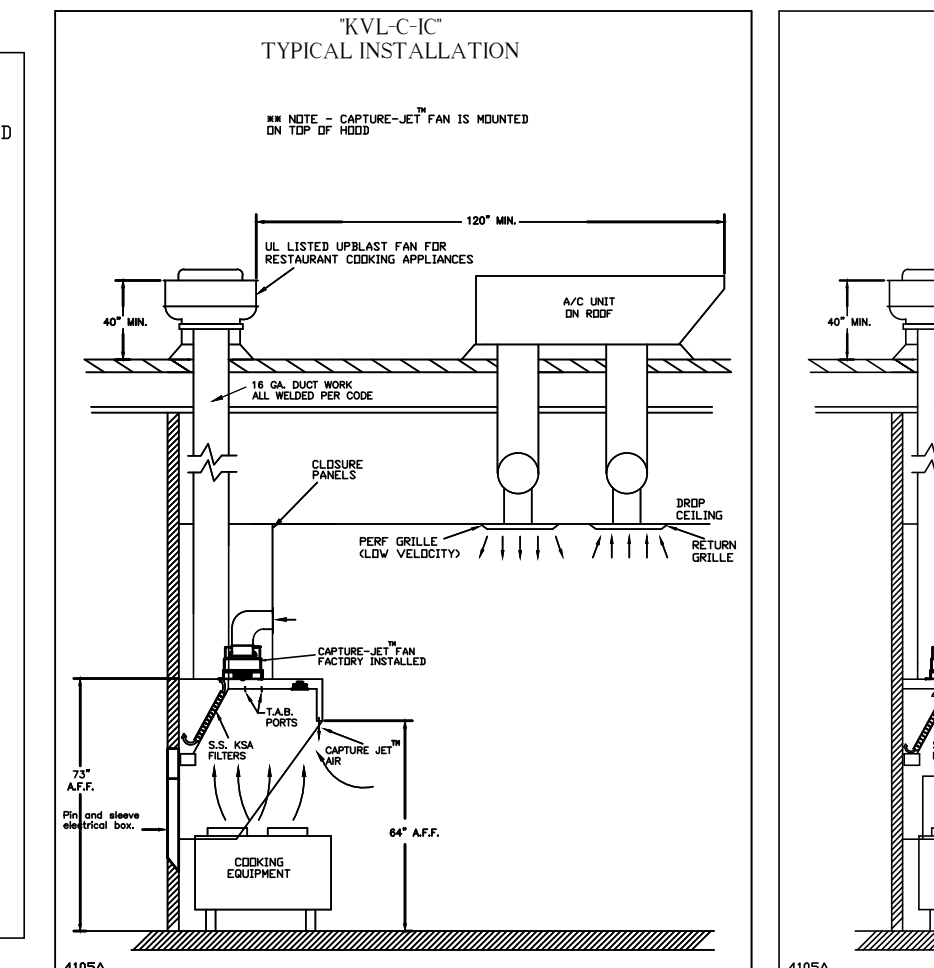
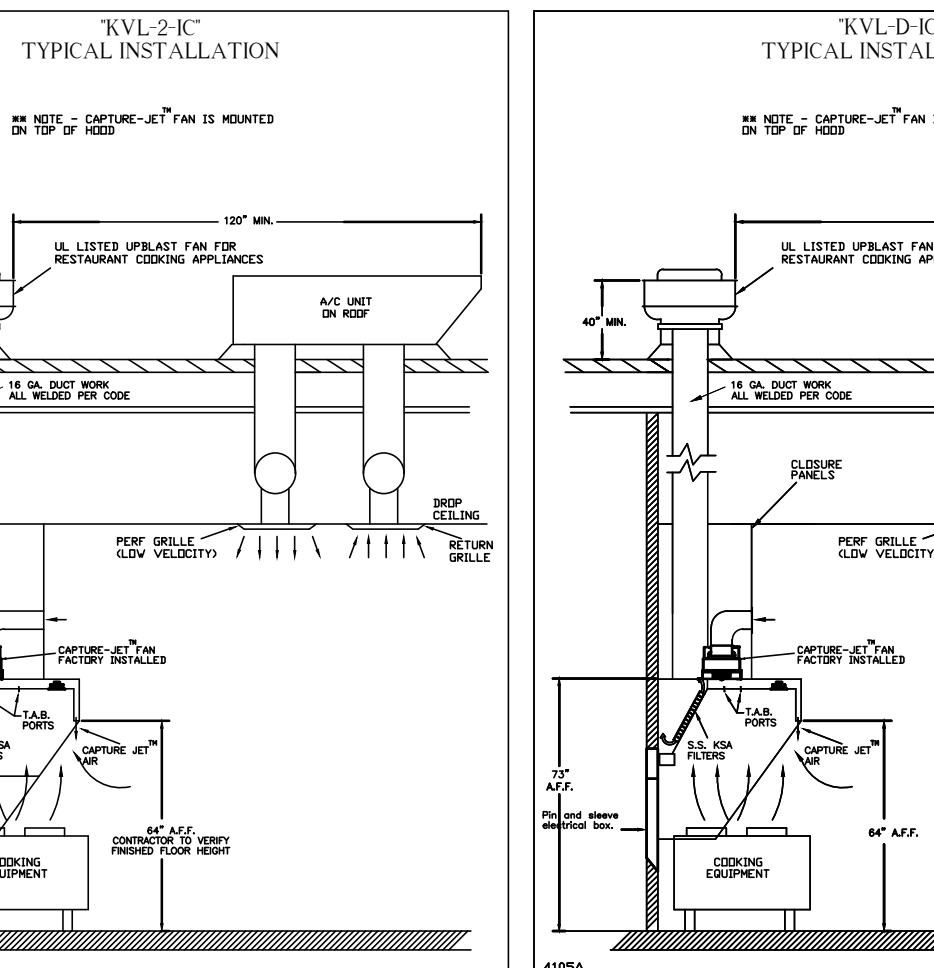
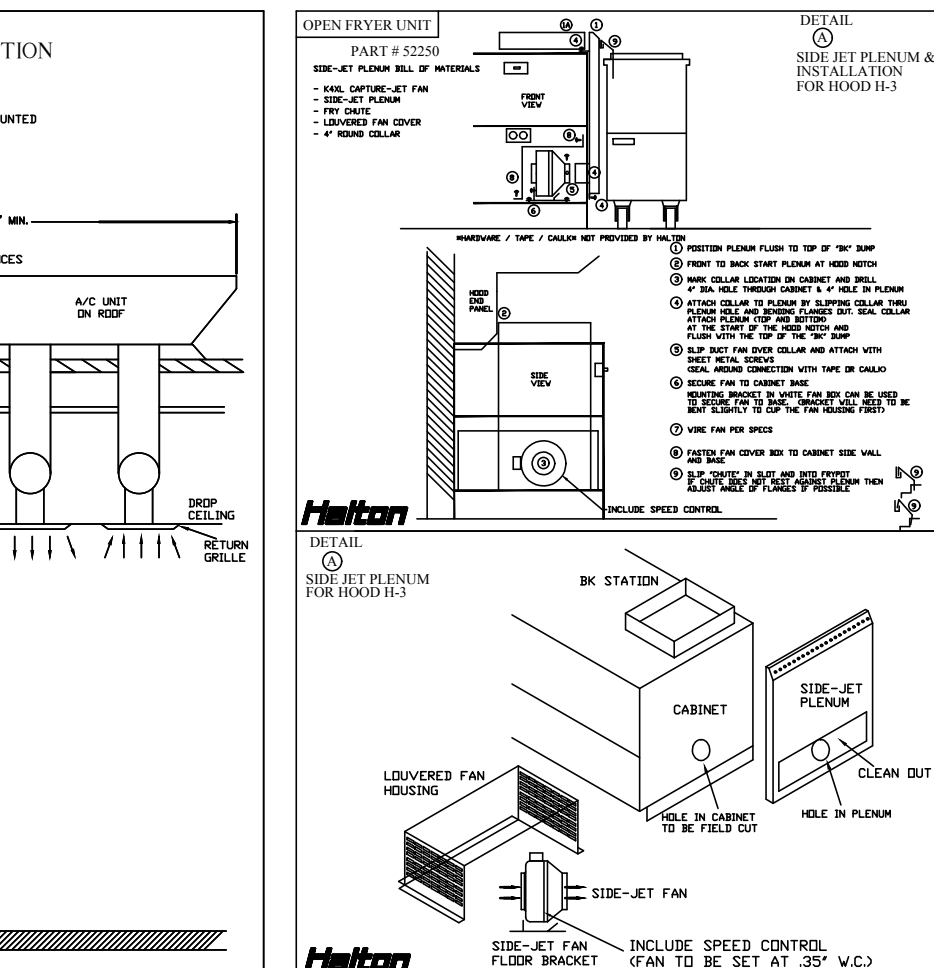
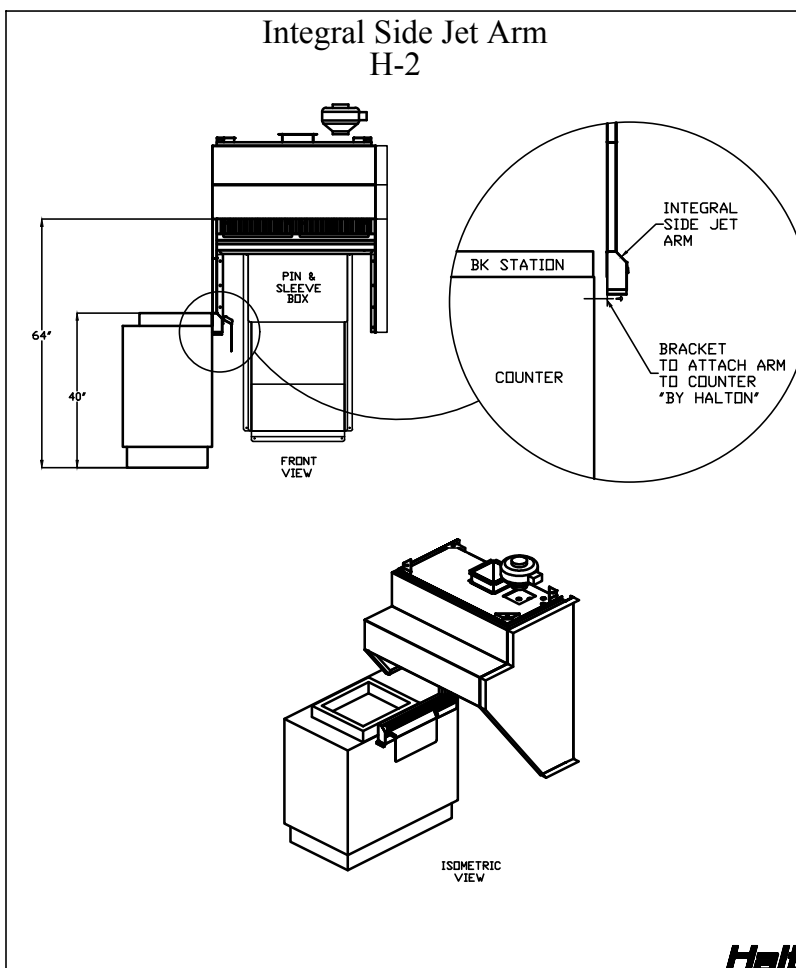
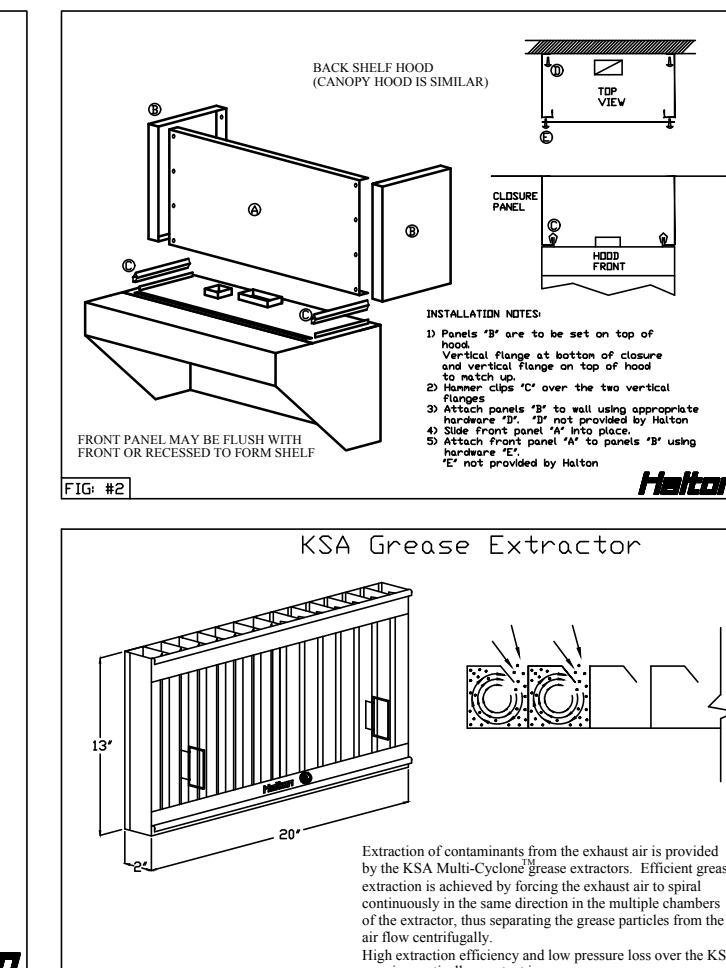
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- 4) CONTINUOUS CAPTURE INTERNAL RIGHT END OUTLET
- 5) GREASE CUP ON LEFT SIDE
- 6) 3" REAR STAND-OFF TO HAVE 1" THICK INSULATION
- 7) FALL LEFT END PANEL

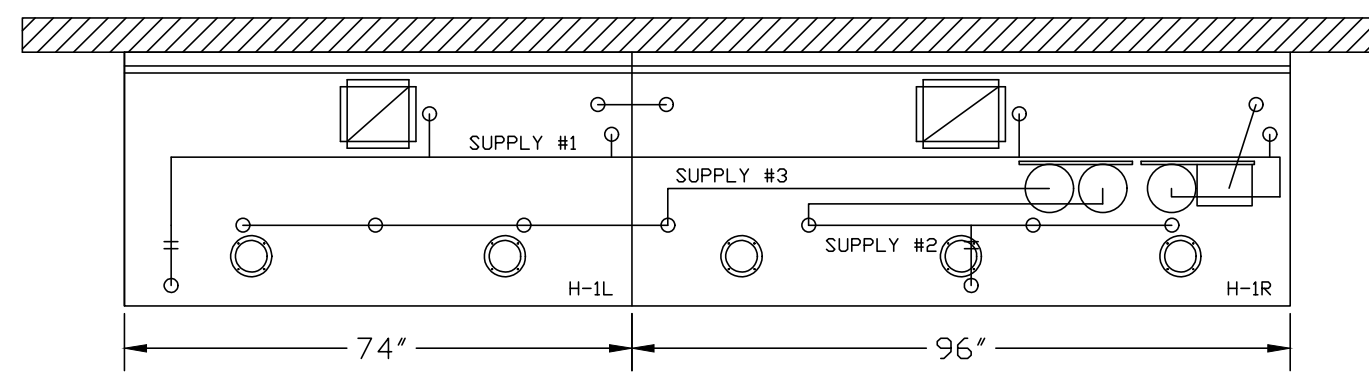
DATE: 10.01.21 DWG. NO: U21-669-01 ITEM NO: H-1L EXHAUST AIR INFORMATION: CFM 832 TAB SP .13' .23'

PROJECT: CHICK-FIL-A #2435 NEW ALBANY

LOCATION: NEW ALBANY, IN

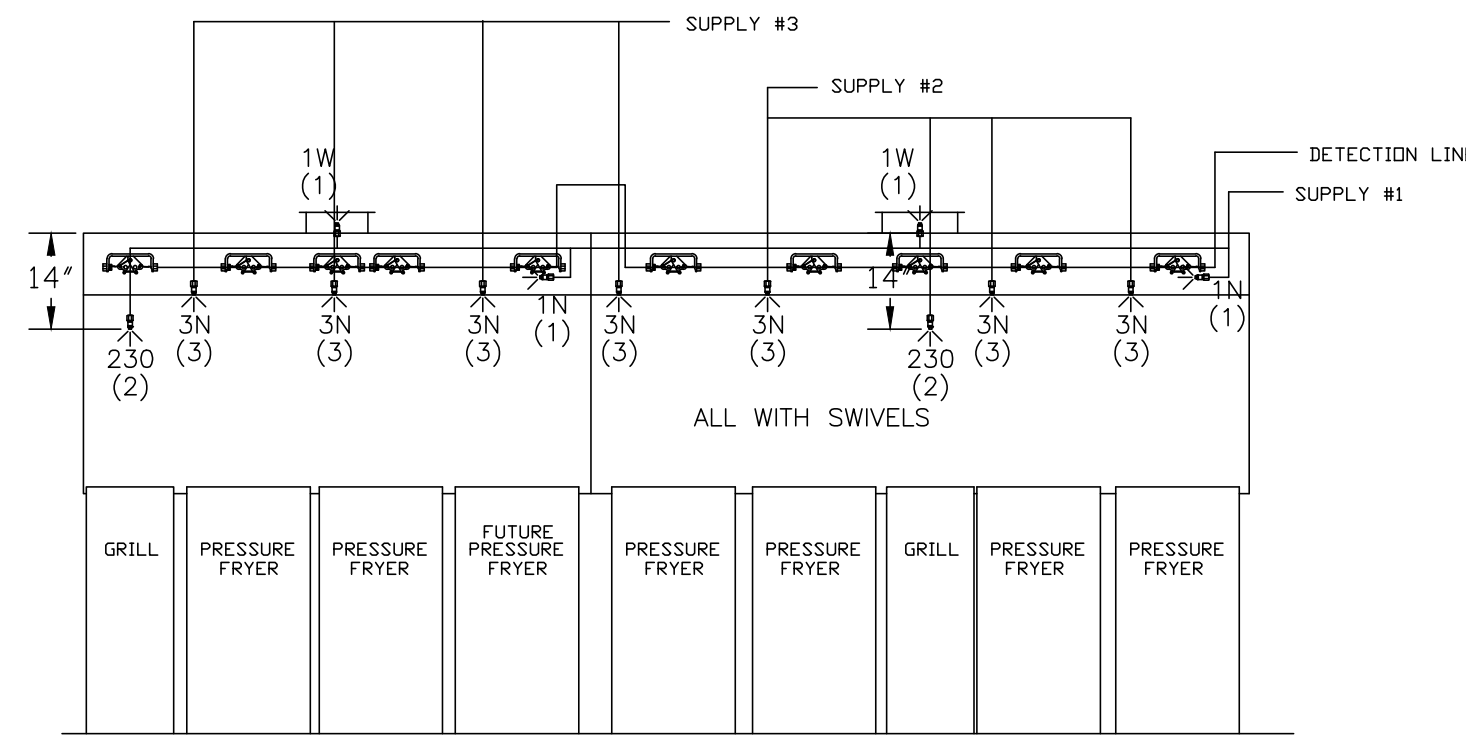
CAPTURE AIR INFORMATION: CFM 55 TAB SP .30'



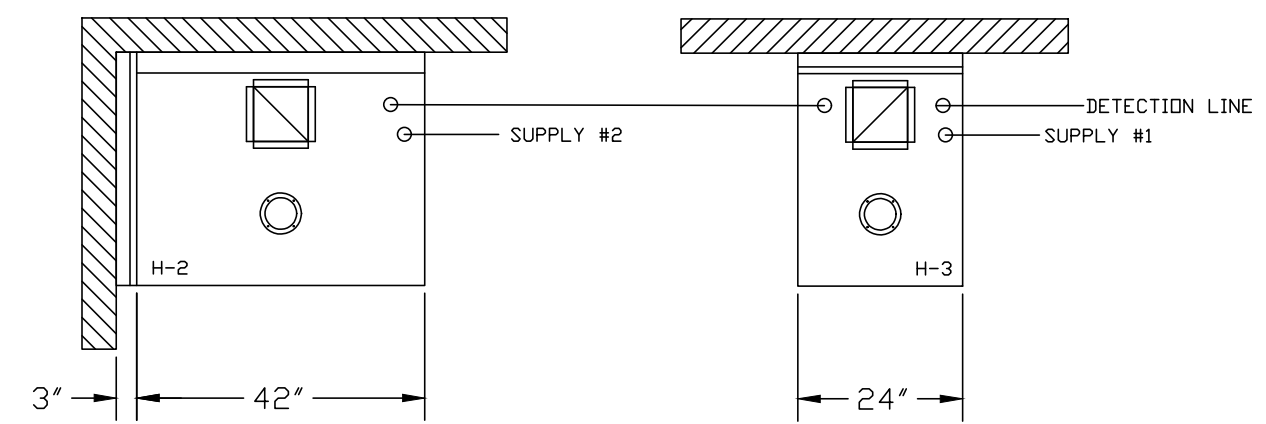


- (1) DEM REGULATED RELEASE
- (2) EXTRA MICRO SWITCH ASSEMBLIES MOUNTED IN DEM REG. REL.
- (3) 3 GALLON TANKS

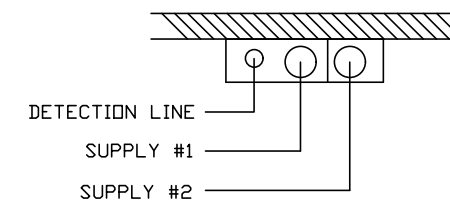
- ANSUL R-102 FIRE SYSTEM
- A) 9 GALLON SYSTEM (3 TANKS) MOUNTED ON HOOD H-1R (FOR HOOD H-1L & H-1R)
 - B) 3/8" BLACK IRON PIPING W/ 3/8" S.S. APPLIANCE DRDPS



ANSUL R-102 FIRE SYSTEM LAYOUT

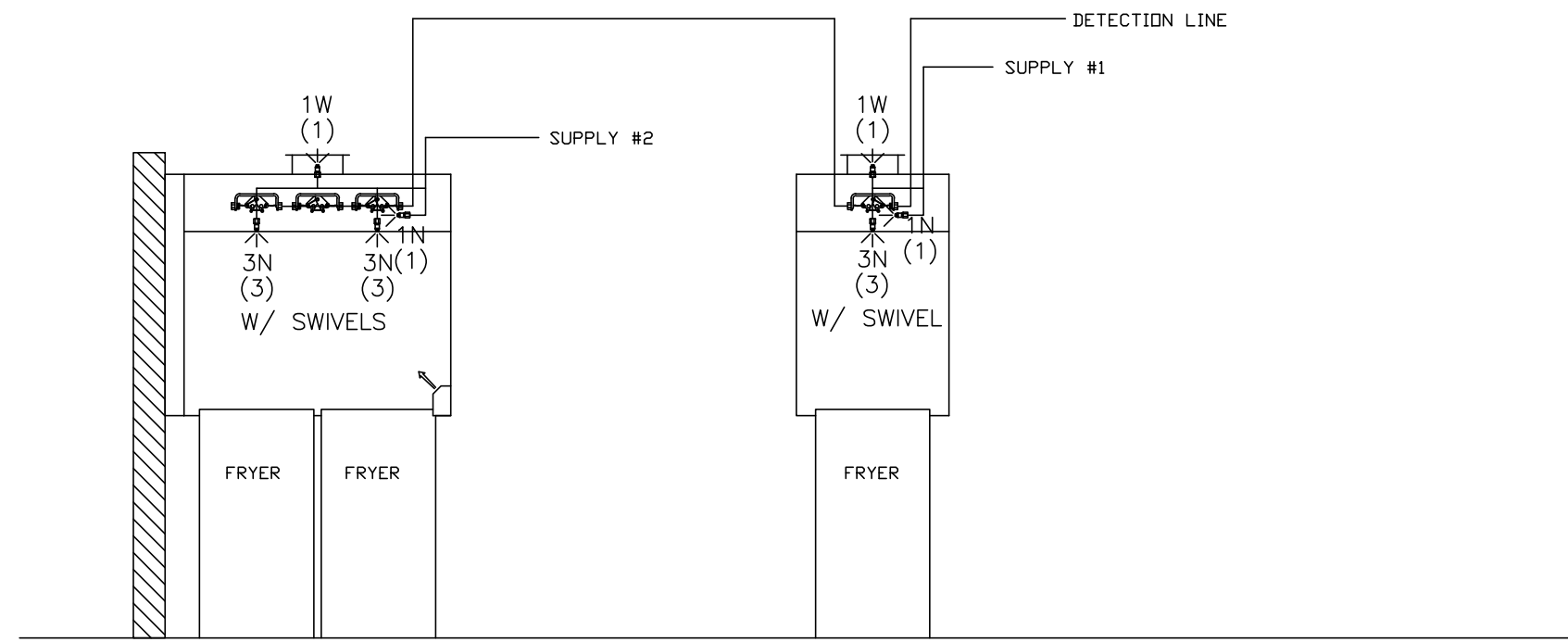


- **PROTECTS HOODS H-2 & H-3****
- REMOTE MOUNTED:
- (1) REGULATED RELEASE (WITH ONE TANK)
 - (1) SINGLE TANK ENCLOSURE (WITH ONE TANK)



- (1) REGULATED RELEASE
- (2) EXTRA MICRO SWITCH ASSEMBLIES MOUNTED IN REG. REL.
- (1) SINGLE TANK ENCLOSURE
- (2) 3 GALLON TANK

- ANSUL R-102 FIRE SYSTEM
- A) 6 GALLON SYSTEM (2 TANKS) (REMOTE MOUNTED) (FOR HOOD H-2 & H-3)
 - B) 3/8" BLACK IRON PIPING W/ 3/8" S.S. APPLIANCE DRDPS



ANSUL R-102 FIRE SYSTEM LAYOUT

FUSIBLE LINK RATINGS

| ITEM | TEMP |
|---------------------|------|
| OPEN FRYERS | 450° |
| 2 BURNER / FLAT TOP | 450° |
| PRESSURE FRYERS | 450° |
| GRILL | 450° |
| EXHAUST COLLARS | 450° |

ANSUL R-102 FIRE SYSTEM NOTES
THREE TANK SYSTEM MOUNTED ON TOP OF (H-1R)
MAXIMUM FLOW POINTS = 33

ANSUL R-102 FIRE SYSTEM NOTES
TWO TANK SYSTEM REMOTE MOUNTED
MAXIMUM FLOW POINTS = 22

| ITEM # | QTY | DESCRIPTION | FLOW PTS (TOTAL) |
|--------|-----|-------------------|------------------|
| 1W | 4 | DUCT NOZZLES | 4 |
| 1N | 4 | PLENUM NOZZLES | 4 |
| 230 | 2 | APPLIANCE NOZZLES | 4 |
| 3N | 10 | APPLIANCE NOZZLES | 30 |

TOTAL FLOW POINTS - 42

| ITEM # | QTY | DESCRIPTION |
|--------|-----|---|
| #200 | 12 | SERIES DETECTORS W/ FUSIBLE LINKS |
| #201 | 2 | TERMINAL DETECTOR W/ FUSIBLE LINKS |
| #202 | 1 | DEM REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH |
| #202 | 1 | REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH |
| #203 | 5 | 3 GALLON TANKS |
| #204 | 1 | SINGLE TANK ENCLOSURE |
| #205 | 2 | REMOTE PULL STATION |

ANSUL R-102 FIRE SYSTEM
UL LISTED PER STD LATEST STD 300

- FINAL INSTALLATION IS TO BE MADE IN ACCORDANCE WITH ALL APPLICABLE CODES
- ALL ELECTRICAL COMPONENTS FOR EQUIPMENT SHUT DOWN TO BE PROVIDED BY THE ELECTRICIAN. MICRO-SWITCH INSTALLED IN REGULATED RELEASE BY ANSUL INSTALLER
- REMOTE PULL STATION LOCATED PER MECHANICAL DRAWINGS

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFYING THE FOLLOWING:

- ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
- THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE: APPROVED FOR FABRICATION OF EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

REVISE AND RESUBMIT
 APPROVED FOR FABRICATION
 WITH NO CHANGES
 WITH CHANGES AS NOTED

APPROVED BY _____ DATE _____



MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW: WEBSITE: WWW.HALTONCOMPANY.COM

HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSDALE, KY 42164
1-270-237-5600

HALTON CO. (CANADA)
1021 BREVK PLACE
MISSISSAUGA, ON L4W 3R7
1-905-624-0301

| REV. | DATE | DESCRIPTION |
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| 6 | | |
| 7 | | |

PROJECT: CHICK-FIL-A #2435
NEW ALBANY

LOCATION: NEW ALBANY, IN

DRAWN BY: AF DATE: 10.01.21

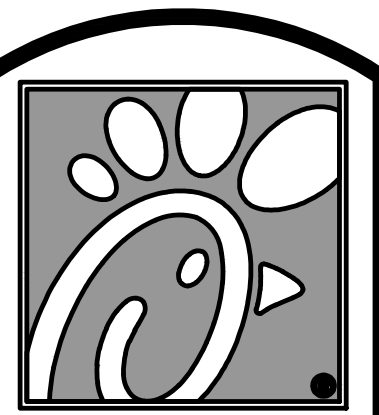
SCALE: NTS

Halton Dwg: U21-669-02



Sheet

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5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

| Mark | Date | By |
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FOR INFORMATION ONLY

INTERPLAN
INTERPLAN ARCHITECTS LLC
DAVID BOYCE ARCHITECT
LOUISE CRAVER ARCHITECT
GREG HEDLOCK ARCHITECT
RICHARD PASZKIET ARCHITECT

220 E. CENTRAL PKWY, STE 4000
ALAMONTE SPRINGS, IL 62201
407.645.5008

STORE
NEW ALBANY FSU
S06N-R

2225 STATE ST,
NEW ALBANY, IN
47150

SHEET TITLE
HOOD DETAILS

VERSION: XX.XXX
ISSUE DATE: 00-0000

Job No. : 21.0134

Store : 2435

Date : 06/2021

Drawn By : CH

Checked By: DAK

Sheet

MHI.2