

FOR BID ONLY

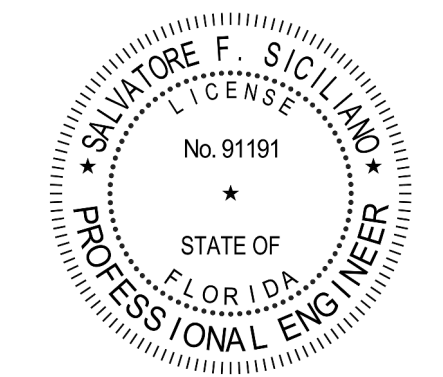
FOR BID ONLY



Chick-fil-A
 5200 Buffington Road
 Atlanta, Georgia
 30349-2998



www.cphcorp.com
A Full Service A & E Firm
 Plans Prepared By:
CPH, L.L.C.
 Licenses:
 Eng. C.O.A. No. 3215
 Survey L.B. No. 7143
 Arch. Lic. No. AA2500926
 Lndscp. Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
 1341 N UNIVERSITY DR
 CORAL SPRINGS, FL 33071

FSU#01877

BUILDING TYPE / SIZE: SRI 503 A
 RELEASE: v2.20.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT #	C29142
PRINTED FOR	PERMIT
DATE	09/18/2023
DRAWN BY	JRH/OP

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project representatives.

SHEET
MECHANICAL DEMOLITION ROOF PLAN

SHEET NUMBER

M-101

Autodesk Docs://FL_01877_Coral Springs_2020.10_REI/01877_MEC_Coral Springs Remodel-CPH.rvt
 1/2/2024 9:51:35 AM
 30-01877-M-101-MECHANICAL DEMOLITION ROOF PLAN

MECHANICAL GENERAL NOTES:	KEY NOTES:
1. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.	1 EXISTING EQUIPMENT TO REMAIN.
2. ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.	2 NOTE NOT USED.
3. ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.	3 CONTRACTOR SHALL DEMO/REMOVE AND DISCARD KITCHEN AC-1 AND ROOF CURB AS REQUIRED.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.	4 REMOVE THE EXISTING EXHAUST FAN AND CURB. OPENING TO REMAIN FOR REPLACEMENT FAN TO BE INSTALLED IN SAME LOCATION.
5. SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.	5 CONTRACTOR SHALL DEMO/REMOVE THE REMOTE CONDENSING UNIT, RACK STAND, PIPE PORTAL, AND REFRIGERANT PIPING ROUTED TO THE EQUIPMENT BELOW. REFRIGERANTS THAT ARE RECOVERED FROM REFRIGERANT AND AIR-CONDITIONING SYSTEMS SHALL NOT BE REUSED OTHER THAN IN THE SYSTEM FROM WHICH THEY WERE RECOVERED AND IN OTHER SYSTEMS OF THE SAME OWNER. RECOVERED REFRIGERANTS SHALL BE FILTERED AND DRIED BEFORE REUSE. RECOVERED REFRIGERANTS THAT SHOW CLEAR SIGNS OF CONTAMINATION SHALL NOT BE REUSED UNLESS RECLAIMED IN ACCORDANCE WITH SECTION 1102.2.2 OF THE IMC-2018.
	6 DEMO/REMOVE EXHAUST FAN AND ROOF CURB. COORDINATE NEW EXHAUST FAN LOCATION WITH M-250.
	7 EXISTING COMBUSTION AIR OPENINGS. REMOVE VENT CAPS AND INSULATE, CAP AND SEAL, AIR AND WATER TIGHT, REMAINING DUCTWORK HERE AND FROM BELOW ROOF DECK IN MECHANICAL ROOM.

A B C D E

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



1 MECHANICAL DEMOLITION FLOOR PLAN
1/4" = 1'-0"

MECHANICAL GENERAL NOTES:	KEY NOTES:
<p>1. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.</p> <p>2. ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.</p> <p>3. ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS AND THE CHICK-FIL-A PROJECT MANUAL. ANY CONTRACTOR IN NEED OF A COPY OF THE CHICK-FIL-A PROJECT MANUAL SHALL CONTACT THE CHICK-FIL-A AREA CONSTRUCTION MANAGER. ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.</p> <p>4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.</p> <p>5. SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.</p>	<p>1 CONTRACTOR SHALL DEMO/REMOVE AND DISCARD EXHAUST HOOD AND ANSUL FIRE SUPPRESSION. THE CONTRACTOR SHALL DEMO/REMOVE AND DISCARD THE INSULATED EXHAUST DUCT UP TO THE EXISTING EXHAUST FAN LOCATED ON THE ROOF. THE CONTRACTOR SHALL RETAIN THE REMOTE ANSUL PULL STATION FOR RELOCATION DURING THE NEW WORK PHASE.</p> <p>2 CONTRACTOR SHALL DEMO/REMOVE AND DISCARD REFRIGERANT PIPING FROM ALL EXISTING COOLER/FREEZER AND ICE MACHINE EQUIPMENT BACK TO THE REMOTE CONDENSER LOCATED ON THE ROOF. REFRIGERANTS THAT ARE RECOVERED FROM REFRIGERANT AND AIR-CONDITIONING SYSTEMS SHALL NOT BE REUSED OTHER THAN IN THE SYSTEM FROM WHICH THEY WERE RECOVERED AND IN OTHER SYSTEMS OF THE SAME OWNER. RECOVERED REFRIGERANTS SHALL BE FILTERED AND DRIED BEFORE REUSE. RECOVERED REFRIGERANTS THAT SHOW CLEAR SIGNS OF CONTAMINATION SHALL NOT BE REUSED UNLESS RECLAIMED IN ACCORDANCE WITH SECTION 1102.2.2 OF THE IMC-2018.</p> <p>3 CONTRACTOR SHALL DEMO/REMOVE AND DISCARD EXISTING SUPPLY AIR AND RETURN AIR PLENUM, SUPPLY AIR DIFFUSERS, RETURN AIR DIFFUSERS, SUPPLY AIR DUCT, RETURN AIR DUCT, AND ALL HANGERS, STRAPS, ETC., AND ALL OTHER HVAC APPURTENANCES ASSOCIATED WITH KITCHEN AC#1.</p> <p>4 CONTRACTOR TO REMOVE ALL EXISTING SUPPLY AND RETURN GRILLES IN DINING ROOM, VESTIBULE AND PLAY AREAS AS NOTED. EXISTING SUPPLY AND RETURN DUCTWORK TO REMAIN FOR RECONNECTION TO NEW SUPPLY AND RETURN GRILLES DURING RENOVATION.</p> <p>5 EXISTING SENSORS TO BE REMOVED FOR RENOVATION. REFER TO SHEET M-201 FOR SENSOR RELOCATION OR REPLACEMENT INFORMATION.</p> <p>6 CONTRACTOR TO DEMO/REMOVE EXISTING AIRDROPS, HANGERS, ALL APPURTENANCES, AND WIRING BACK TO SOURCE.</p> <p>7 CONTRACTOR TO REMOVE ALL EXISTING SUPPLY AND RETURN SIDEWALL DEVICES IN THE AREA AS NOTED. EXISTING SUPPLY AND RETURN DUCTWORK MAY NEED TO BE RECONFIGURED FOR RENOVATION. REFER TO SHEET M-201 FOR INFORMATION.</p> <p>8 DEMOLISH EXISTING COMBUSTION AIR DUCTWORK IN THIS MECHANICAL ROOM. INSULATE, CAP AND SEAL AIRTIGHT DUCT RISERS TO ROOF CAPS.</p> <p>9 DEMO EXISTING DUCTWORK IN THIS RR AREA. PROVIDE NEW DUCTWORK TO SERVE NEW RR. REFER TO M-201 FOR INFORMATION.</p> <p>10 RELOCATE AIR DEVICES TO DINING AREA. REFER TO M-201 FOR INFORMATION.</p>

FOR BID ONLY

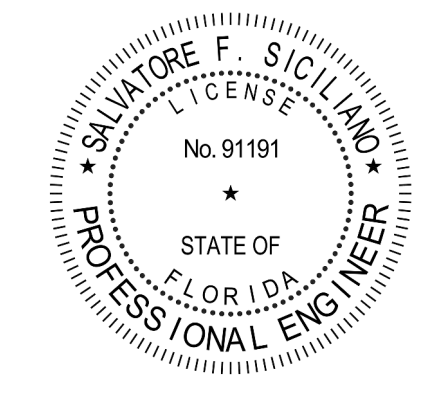
FOR BID ONLY



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



**A Full Service
A & E Firm**
Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AZ2500926
Landscape Lic. No. LC0000298



**CHICK-FIL-A
CORAL SPRINGS**
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877
BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2_20_08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT #	C29142
PRINTED FOR	PERMIT
DATE	09/18/2023
DRAWN BY	JRH/OP

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project representative.

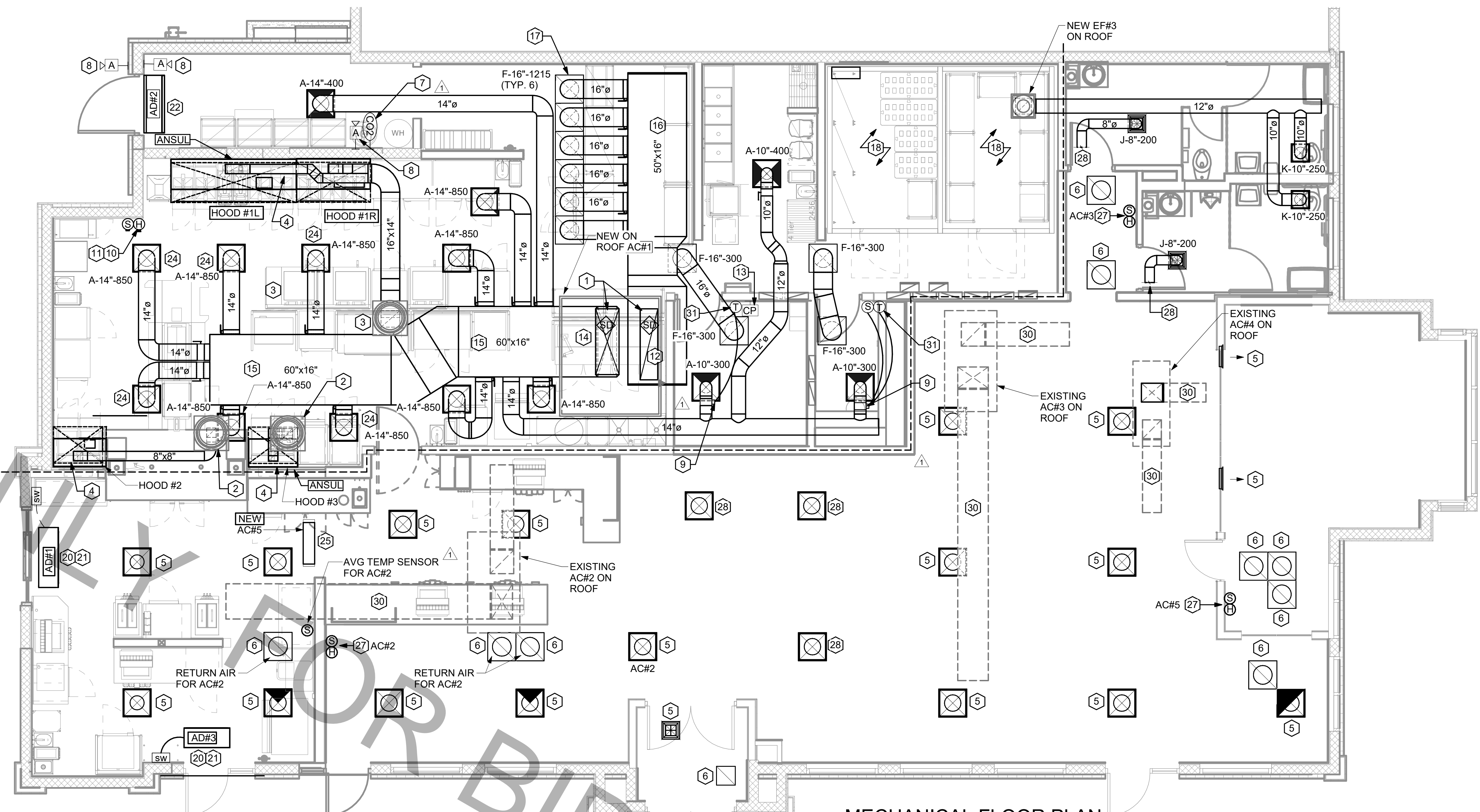
SHEET
MECHANICAL
DEMOLITION FLOOR PLAN

SHEET NUMBER
M-102

LEGEND			
A-12-400	TYPE - NECK SIZE - CFM	EF-1	EXHAUST FAN #1 (TYP.)
(S)	REMOTE TEMPERATURE SENSOR	(△)	ANSUL PULL STATION
(H)	HUMIDITY SENSOR	(□)	RETURN/EXHAUST
(A)	STROBE AUDIO/VISUAL ALARM-ANNUNCIATOR	(⊗)	SUPPLY DIFFUSER (TYP.)
12x18	DUCT SIZE (REVERSE FOR ELEVATION VIEWS): 1ST NUMBER - HORIZONTAL DIMENSION 2ND NUMBER - VERTICAL DIMENSION	(1)	PLAN NOTE REFERENCE
(AC-1)	AIR CONDITIONING UNIT #1 (TYP.)	(CF)	CIRCULATING FAN
(M)	MANUAL VOLUME DAMPER	(SD)	SMOKE DETECTOR
(CO2)	CO2 SENSOR	(AD-1)	AIR DOOR#1 (TYP.)
		(CP)	CONTROL PANEL

FLEX DUCT SIZE			
RANGE	SIZE	RANGE	SIZE
0-80 CFM	6" DIA.	511-750 CFM	14" DIA.
81-170 CFM	8" DIA.	701-1100 CFM	16" DIA.
171-300 CFM	10" DIA.	1101-1450 CFM	18" DIA.
301-510 CFM	12" DIA.	1451-1900 CFM	20" DIA.

NOTES:
 1. BASED ON WIRE HELIX FLEXIBLE DUCT, TYPE FLEX-MASTER, UL LISTING: U-181/ETL CLASS 1 AIR DUCT.
 2. STANDARD CODE: NFPA 90A AND 90B, BOCA, SBBO HUD/FHA, MIN PROPERTY STD.
 3. FLAME SPREAD: LESS THAN 25.
 4. SMOKE DEVELOP.: LESS THAN 50.
 5. MIN R6 0 FOR ATTIC UNCONDITIONED SPACE.
 6. MANUFACTURER IS TO BE USED AS A BASIS FOR DESIGN. CONTACT ENGINEER OF RECORD TO SUBMIT ON APPROVED EQUALS.



1 MECHANICAL FLOOR PLAN
1/4" = 1'-0"

NOTE: REFER TO SCHEDULES AND DETAILS MECHANICAL SHEET FOR FURTHER INFORMATION.

NOTE: MECHANICAL CONTRACTOR TO PROVIDE TEST AND BALANCE REPORT BEFORE FINAL INSPECTION.

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. REFER TO SHEET MH-101.

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).

OMD CANOPY NOTE

REFER TO SHEET M-601 FOR FURTHER INFORMATION REGARDING CANOPY SCOPE. MECHANICAL CONTRACTOR TO PURCHASE AND INSTALL NEW CIRCULATION FANS. COORDINATE EXACT NUMBER OF FANS WITH CANOPY MANUFACTURER.

NOTE: GENERAL CONTRACTOR TO HIRE REFRIGERATION CONTRACTOR TO RECLAIM REFRIGERANT FROM EXISTING FREEZER/COOLER ICE MAKERS AND RECHARGE EXISTING ICE MAKERS AFTER EQUIPMENT IS REINSTALLED. REFER TO KEY NOTES #2 AND #5 ON SHEET M-101.

- HVAC GENERAL NOTES**
- DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
 - MECHANICAL CONTRACTOR SHALL BALANCE HVAC SYSTEM AS SHOWN ON THE PLAN & RTU SCHEDULE. IF AIRFLOWS DIFFER BY MORE THAN 5%, CONTACT CFA CONSTRUCTION MANAGER.
 - NO PIPING OR DUCTWORK ALLOWED ABOVE ANY ELECTRICAL/CONTROL PANELS.
 - 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.
 - CONTRACTOR SHALL CLEAN & REFURBISH 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.
 - REUSE AND REWORK EXISTING HVAC DUCTWORK. PROVIDE NEW SECTION FOR RECONNECTION AS REQUIRED. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID.
 - CONTRACTOR SHALL BALANCE, INSPECT, REPAIR, OR REPLACE AS NECESSARY IF REQUIRED FOR EXISTING CEILING OR SIDEWALL 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 OR DISCREPANCIES SHALL BE REPORTED TO ARCHITECT/ENGINEER IMMEDIATELY. COORDINATE AIR BALANCE RESULTS WITH CONSTRUCTION MANAGER.
 - FLEXIBLE DUCT NOT SHOWN FOR CLARITY. ALL TAKE-OFFS SHALL INCLUDE FLEXIBLE DUCT. SEE DETAIL 1/M-401 FOR FLEXIBLE DUCT INSTALLATION REQUIREMENTS.
 - UNLESS NOTED OTHERWISE, MC TO ADJUST ALL DIFFUSER AIR PATTERN DEFLECTORS TO THROW HORIZONTALLY ALONG THE CEILING.
 - SUPPORT ALL DUCT DROPS AT BASE OF DROP FROM STRUCTURE.

- HVAC KEY NOTES**
- TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. TRANSITION WITHIN CURB WHERE REQUIRED TO AVOID STRUCTURE. NO TURNING VANES IN ELBOW, FOR RETURN AIR ONLY.
 - PROVIDE NEW KITCHEN HOOD EXHAUST FAN REPLACING THE EXISTING FAN THROUGH THE EXISTING ROOF OPENING. PROVIDE NEW FAN WITH NEW CURB LOCATION SHOWN ON PLAN. ENSURE A MINIMUM OF 10 FT FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING. SEE DETAIL ON M-401 FOR ORIENTATION OF HINGE SIDE OF FAN ON CURB.
 - PROVIDE NEW KITCHEN HOOD EXHAUST FAN WITH NEW CURB LOCATION SHOWN ON PLAN. LOCATE A MINIMUM OF 10 FT FROM PARAPET WALLS OR FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING. SEE DETAIL ON M-401 FOR ORIENTATION OF HINGE SIDE OF FAN ON CURB.
 - CJ-3 MOUNTED INSIDE CABINETS SERVING SCJ PLENUM. SEE DETAIL ON MH-101.
 - NEW SUPPLY AIR DIFFUSERS. CONTRACTOR SHALL EXTEND EXISTING SUPPLY AIR DUCT AS REQUIRED. CFM IS EXISTING TO REMAIN.
 - NEW RETURN AIR GRILLES. CONTRACTOR SHALL EXTEND EXISTING RETURN AIR DUCT AS REQUIRED. CFM IS EXISTING TO REMAIN.
 - 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 MANUFACTURER'S 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.
 - 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 MANUFACTURER'S 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.

- YOUNG REGULATOR 10" MODEL 2010 ROUND ZONE DAMPER WITH MODEL T-312CE AUTOMATIC CHANGE-OVER THERMOSTAT. MOUNT CENTER OF T'STAT AT 4'-0" AFF. POWER OPENING/SPRING CLOSE. ADJUST MECHANICAL LIMIT FOR 75 CFM MINIMUM AIRFLOW. PROVIDE 120V/24V, 50 VA TRANSFORMER TO SERVE ZONE DAMPER ACTUATOR AND THERMOSTAT. POWERED FROM 120V POWER CIRCUIT THAT REMAINS LIVE 24/7. PROVIDE ALL NECESSARY WIRING AND COMPONENTS FOR CONTROL AND POWER CONNECTIONS PER MANUFACTURER'S IOM. THERE IS NO INTERLOCKING/ MONITORING FROM THE S.E.C. CFA-500 PANEL. SEE WIRING DIAGRAMS ON M-501. CHICK-FIL-A HAS A NATIONAL ACCOUNT W/ WITH TOM BARROW COMPANY FOR THE ZONE DAMPER. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE ZONE DAMPER DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010. FOR PRICING AND AVAILABILITY. ZONE DAMPERS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
- MOUNT NEW/EXISTING LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF. PROVIDE NEW CONTROL WIRE TO ACCOMMODATE LOCATION. DO NOT SPLICE WIRE.
- MOUNT NEW REMOTE TEMPERATURE SENSOR ON WALL AT 60" AFF AND ROUTE NEW WIRING BACK TO TEMP CONTROL PANEL. FOR SENSOR SERVING KITCHEN AC-1, COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PRIOR TO BID AND CONSTRUCTION.
- PROVIDE A LENNOX FACTORY INSTALLED SUPPLY SIDE & RETURN SIDE SMOKE DETECTORS. REFER TO SCHEDULES ON SHEET M-402 AND LENNOX SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM ON SHEET M-501.
- 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 MANUFACTURER'S 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. PROVIDE SYSTEM SHOP DRAWINGS TO GC FOR FIRE PLAN REVIEW.
- (2) 28x20 SUPPLY AIR RTU DROP AND (1) 60x15 RETURN AIR DROP FROM NEW KITCHEN AC-1.
- 64"x16" SUPPLY AIR DUCT ROUTED BELOW BAR JOIST AS HIGH AS POSSIBLE.
- 50"x16" RETURN AIR PLENUM AS CLOSE AS POSSIBLE TO BOTTOM OF ROOF JOIST.
- 16"Ø SIDE TAP RETURN AIR PLENUM WITH SPIN-IN FITTINGS AND DAMPER. REFER TO AIR DEVICE SCHEDULE FOR FURTHER INFORMATION.
- CONTRACTOR SHALL INSTALL AND ROUTE NEW INSULATED REFRIGERANT PIPING FROM ROOF MOUNTED REMOTE CONDENSER TO FREEZER & COOLER EVAPORATORS.

- NOT USED.
- AIR CURTAIN (AD-1) MOUNTED WITHIN CEILING CENTERED ABOVE DRIVE THRU DOOR 4" FROM THE EXTERIOR WALL AND (AD#3) MOUNTED WITHIN THE CEILING CENTERED ABOVE THE DRIVE THRU DOOR 1'-6" FROM THE EXTERIOR WALL. PROVIDE AIR DIVERTER CONE ABOVE DOOR FOR (AD#1). REFER TO DETAIL 9/M-401 FOR INFORMATION. ATTACH AIR CURTAIN TO STRUCTURE USING 3/8" ALL THREAD SUPPORTS.
- FIELD WIRE FACTORY PROVIDED CONTROLS. SEE KITCHEN ELEVATIONS FOR EXACT LOCATION OF SWITCH. MC IS RESPONSIBLE FOR ALL FINAL CONNECTIONS FOR LOW VOLTAGE INTERLOCK WITH TORMAX DOOR. REFER TO DETAIL 5/M-501 FOR INFORMATION.
- AIR DOOR MOUNTED OVER DOOR HEADER AT 7'-4" AFF TO BOTTOM OF UNIT. PROVIDE BLOCKING IN WALL BEHIND AIR CURTAIN. USE FACTORY PRE-PUNCHED MOUNTING HOLES ON BACK SIDE OF AIR CURTAIN ONLY. ATTACH AIR CURTAIN TO WALL USING 3/8" LAG BOLTS. LENGTH AS REQUIRED TO FULLY PENETRATE BLOCKING. LOCATE MAGNETIC CONTACT TYPE MICROSWITCH IN DOOR FRAME ON STRIKE SIDE.
- NOT USED.
- MECHANICAL CONTRACTOR TO ADJUST PATTERN DEFLECTORS TO THROW STRAIGHT DOWN.
- NEW SPLIT SYSTEM AIR HANDLER. COORDINATE LOCATION WITH KITCHEN EQUIPMENT CONTRACTOR AND ELECTRICAL CONTRACTOR.
- EXISTING RETURN AIR GRILLES TO RELOCATED.
- LOCATE NEW SENSOR(S) AT THIS LOCATION. REFER TO KEY NOTES #10 & #11 FOR INSTALLATION INFORMATION.
- RELOCATED AIR DEVICE FOR AC#3.
- NOT USED.
- EXISTING AC#X TRUNK DUCT SHOWN FOR REFERENCE ONLY.

- PROVIDE 120V/24V 50 VA TRANSFORMER TO SERVE YOUNG REGULATOR ZONE DAMPER ACTUATOR AND THERMOSTAT. POWER TRANSFORMER FROM 120V POWER CIRCUIT THAT REMAINS LIVE 24/7. PROVIDE ALL NECESSARY WIRING AND COMPONENTS TO MAKE CONTROL AND POWER CONNECTIONS TO TRANSFORMER, ZONE DAMPER, AND THERMOSTAT PER MANUFACTURER'S IOM. THERE IS NO INTERLOCKING OR MONITORING BY WAY OF THE S.E.C. CFA-500 PANEL. SEE WIRING DIAGRAMS ON M-501.

Autodesk Docs://FL_01877_Coral Springs Remodel-CPH1.rvt
1/2/2024 9:51:41 AM
30-01877-M-201-MECHANICAL FLOOR PLAN



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



www.cphcorp.com
A Full Service
A & E Firm
Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. A22500926
Landscape Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877
BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2.20.08

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	01-02-2024	PERMIT REV 1

CONSULTANT PROJECT #	C29142
PRINTED FOR	PERMIT
DATE	09/18/2023
DRAWN BY	JRH
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project representations.	
SHEET MECHANICAL FLOOR PLAN	
SHEET NUMBER M-201	

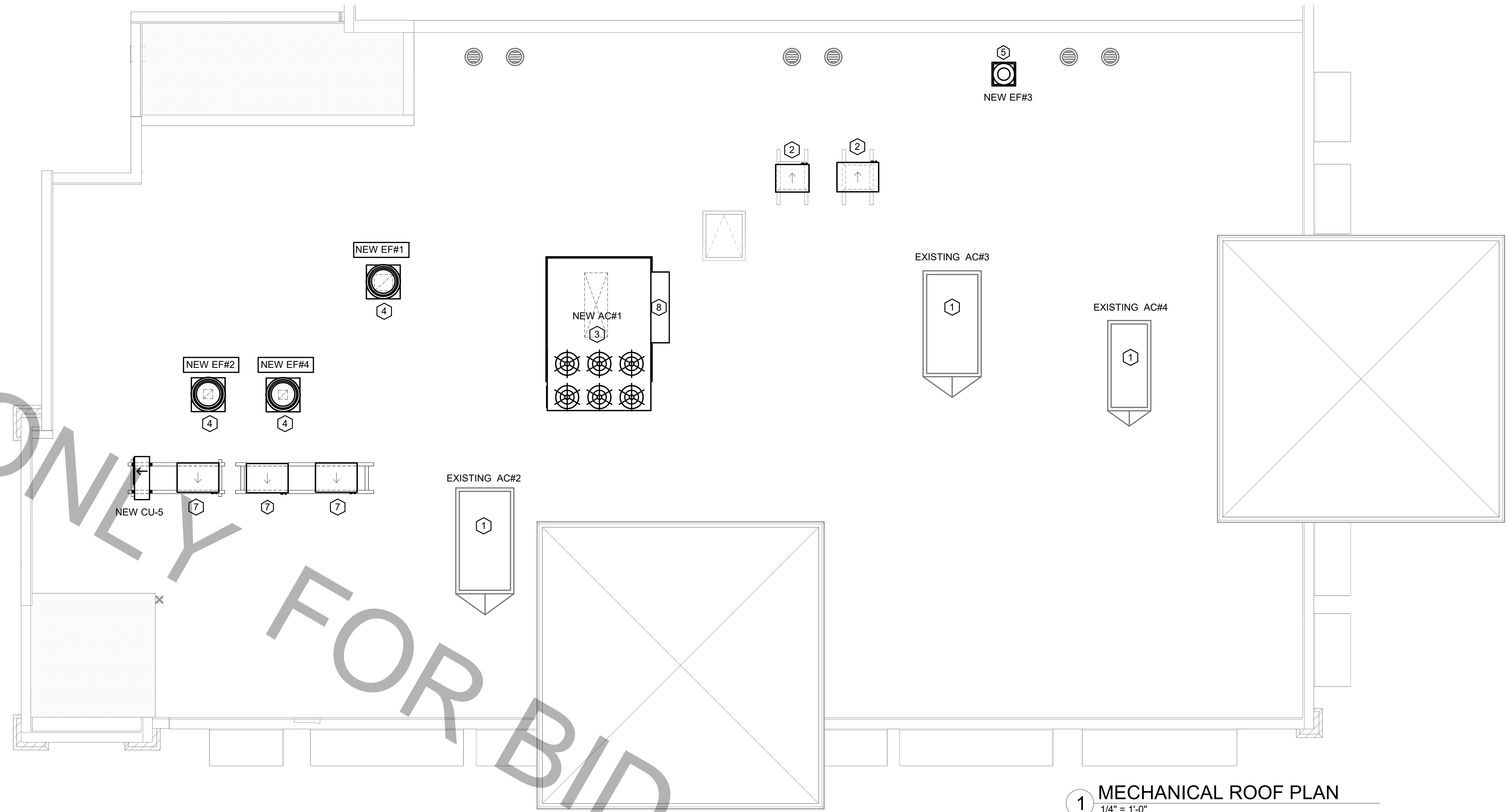
PERMIT

FOR BID ONLY

FOR BID ONLY

FOR BID ONLY

FOR BID ONLY



1 MECHANICAL ROOF PLAN
1/4" = 1'-0"

MECHANICAL GENERAL NOTES:

- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
- ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.
- AT EACH PIECE OF ROOF EQUIPMENT, PROVIDE UNIT DESIGNATION ON A PLASTIC ENGRAVED LABEL WITH 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. THE LABEL IS TO HAVE A SELF ADHESIVE BACKING.

KEY NOTES:

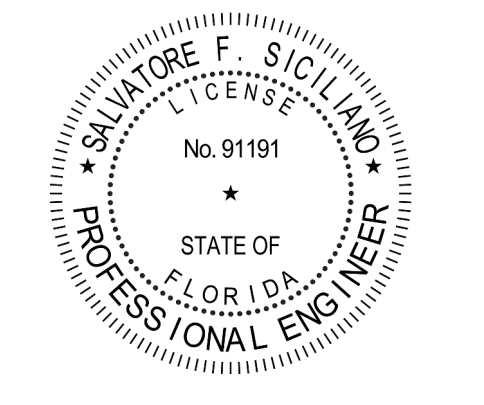
- EXISTING EQUIPMENT TO REMAIN.
- CONTRACTOR TO INSTALL NEW FREEZER/COOLER CONDENSING UNIT, NEW REFRIGERATION RACK STANDS AND PIPE PORTALS. ROUTE NEW INSULATED REFRIGERANT PIPING DOWN THROUGH EXISTING REFRIGERANT GOOSENECK TO NEW FREEZER/COOLER EVAPORATOR BELOW. REFER TO KEY NOTE #2 ON SHEET M-101.
- CONTRACTOR SHALL INSTALL NEW LENNOX AC#1 RTU AND ROOF CURB. CONTRACTOR SHALL COORDINATE ROOF PENETRATION OPENINGS. REFER TO RTU SCHEDULE FOR FURTHER INFORMATION.
- CONTRACTOR SHALL INSTALL NEW GREASE EXHAUST FAN PER EXHAUST FAN SCHEDULE ON MECHANICAL SHEET M-402. ENSURE THAT NEW EXHAUST FAN IS INSTALLED A MINIMUM 10'-0" FROM ALL AIR INTAKE OPENINGS AND PARAPET. PROVIDE NEW CURB.
- CONTRACTOR SHALL INSTALL NEW EXHAUST FAN PER EXHAUST FAN SCHEDULE ON MECHANICAL SHEET M-402 THRU EXISTING EXHAUST FAN OPENING. PROVIDE NEW CURB IN LOCATION SHOWN.
- NOT USED
- INSTALL NEW CONDENSING UNITS, NEW REFRIGERATION RACK STANDS AND PIPE PORTALS. COORDINATE WITH STRUCTURAL FOR EXACT LOCATION AND INSTALLATION REQUIREMENTS. ROUTE NEW REFRIGERANT PIPING DOWN TO EQUIPMENT THROUGH NEW REFRIGERANT GOOSENECK.
- OUTSIDE AIR INTAKE HOOD. ENSURE THAT HOOD INTAKE IS A MINIMUM OF 10'-0" FROM ANY EXHAUST OR PLUMBING VENT DISCHARGE.



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



www.cphcorp.com
A Full Service A & E Firm
Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2500826
Landscape Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877
BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2_20.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

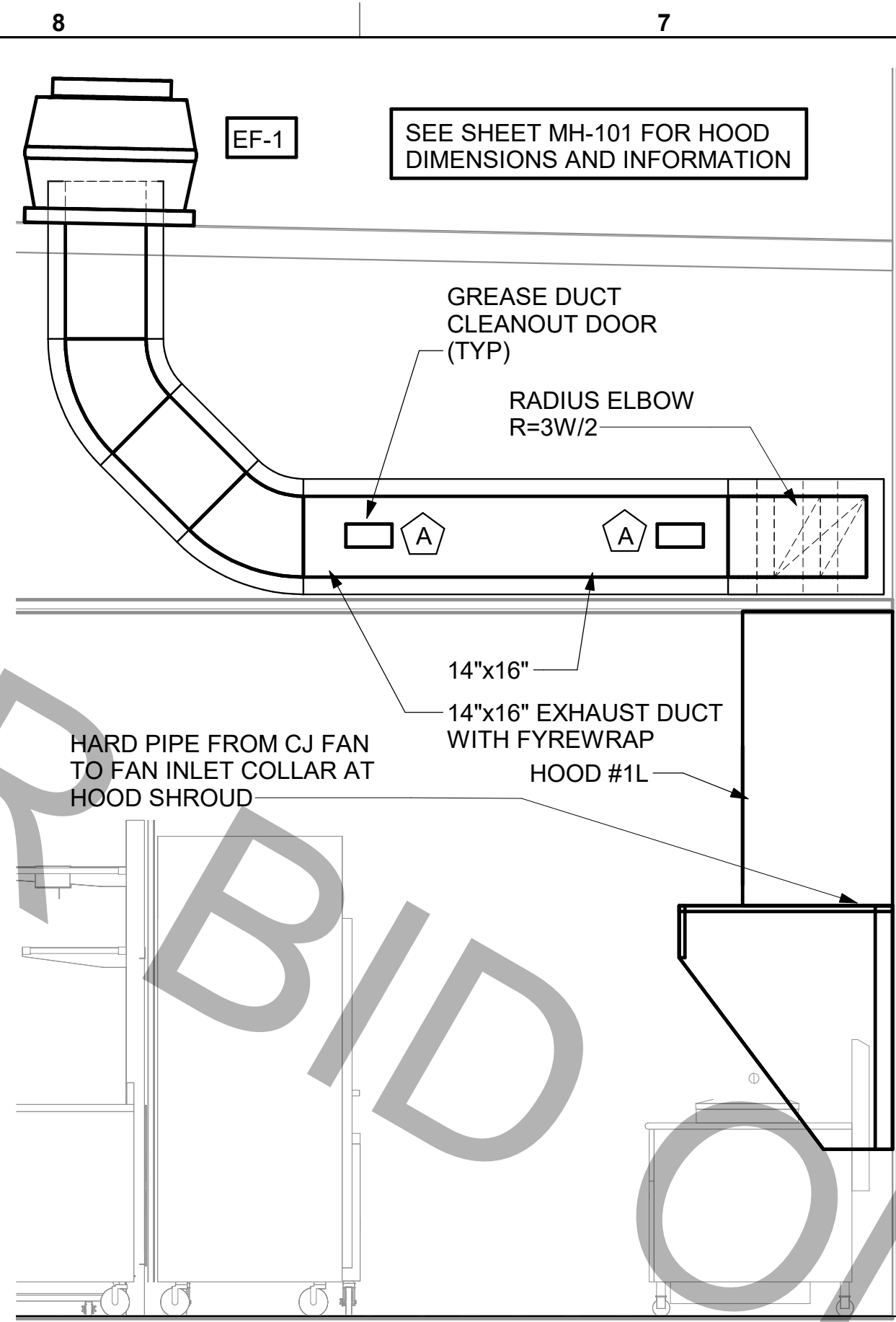
CONSULTANT PROJECT #	C29142
PRINTED FOR	PERMIT
DATE	09/18/2023
DRAWN BY	JRH

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET
MECHANICAL ROOF PLAN

SHEET NUMBER

M-250



5 HOOD #1L AND #1R GREASE EXHAUST DUCT UP TO EXHAUST FAN
1/2" = 1'-0"

KITCHEN HOOD SYSTEMS NOTES

- 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.
- THE FIRE SUPPRESSION SYSTEM SHALL CONSIST OF A COMPLETE WET ANSUL SYSTEM FURNISHED BY HALTON. THE HOOD SHALL BE FURNISHED PRE-PIPED BY HALTON.
- 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.
- HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS.
- URNS IN GREASE EXHAUST DUCTWORK SHALL BE LONG RADIUS TYPE, WITH A CENTERLINE RADIUS R=3W/2, NO EXCEPTIONS ALLOWED. NO MITERED FITTINGS ALLOWED.
- ALL STAINLESS STEEL CLOSURE PANELS SHALL BE SUPPLIED BY HOOD MANUFACTURER AND INSTALLED BY THE MECHANICAL CONTRACTOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SLOPE ALL GREASE EXHAUST DUCT BACK TO HOOD AT 1/4" PER FOOT OF RUN.
- WRAP NEW GREASE DUCT WITH UNIFRAX FYREWAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FYREWAP PRODUCT USED SHALL MEET LOCAL CODE REQUIREMENTS.
- SUPPORT HOODS 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.

H.E.S.S. SYSTEM NOTE

MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL SUNCOAST H.E.S.S. SYSTEM FOR ALL NEW HOODS. SEE FAN AND EQUIPMENT INTERLOCK WIRING DIAGRAM ON SHEET M-501

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 MH-101) FOR INFORMATION ON CAPTURE JET FAN.

HOOD ELEVATION NOTE

SEE DETAILS ON HALTON SHOP DRAWINGS ON SHEET MH-101 FOR DETAILS ON ELEVATION, STANDOFFS, CLEARANCES, AND HOOD CONSTRUCTION.

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 COMBUSTIBLE CLEARANCE 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.

HOOD SCHEDULE

MARK	EXHAUST CFM	SP @ TAB PORT	CAPTURE JET CFM & S.P.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	MANUFACTURER	MODEL	REMARKS
NEW HOOD-1L	1204	0.13	80 @ 0.30"	BACK-SHELF	14"x8"	107	37	38	HALTON	KVL-2-IC	1,2,3,4,5,7,8,9,12,16,21,22
NEW HOOD-1R	709	0.13	47 @ 0.30"	BACK-SHELF	8"x8"	63	37	38	HALTON	KVL-2-IC	1,2,3,5,7,8,9,12,21,23
NEW HOOD-2	701	0.30	30 @ 0.29"	BACK-SHELF	8"x8"	42	34	38	HALTON	KVL-C-IC	1,2,3,6,7,8,9,11,12,13,15,16,18,21
NEW HOOD-3	701	0.30	30 @ 0.29"	BACK-SHELF	8"x8"	42	34	38	HALTON	KVL-C-IC	1,2,3,6,7,8,9,10,12,13,17,21

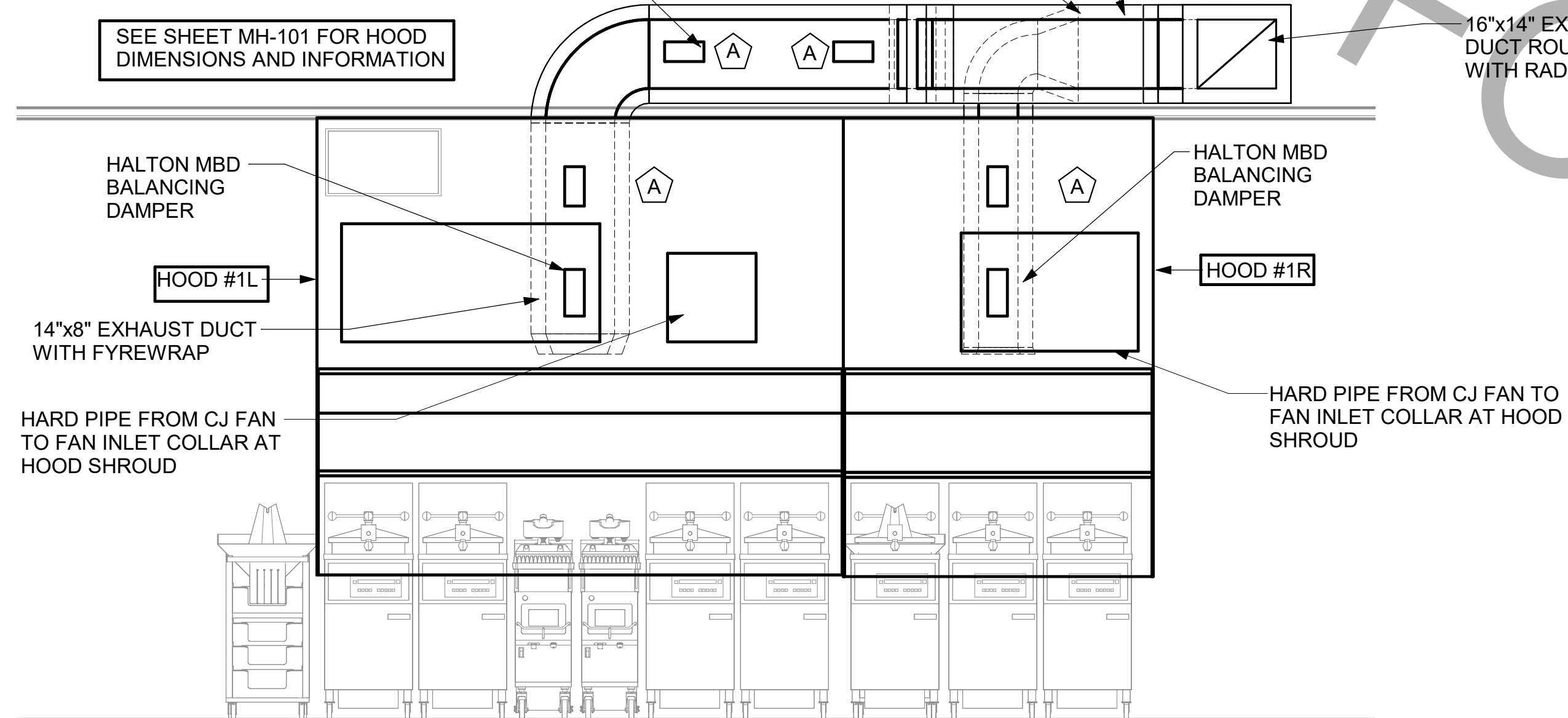
NOTES

DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (HEIGHT DOES NOT INCLUDE CLOSURE PANELS).

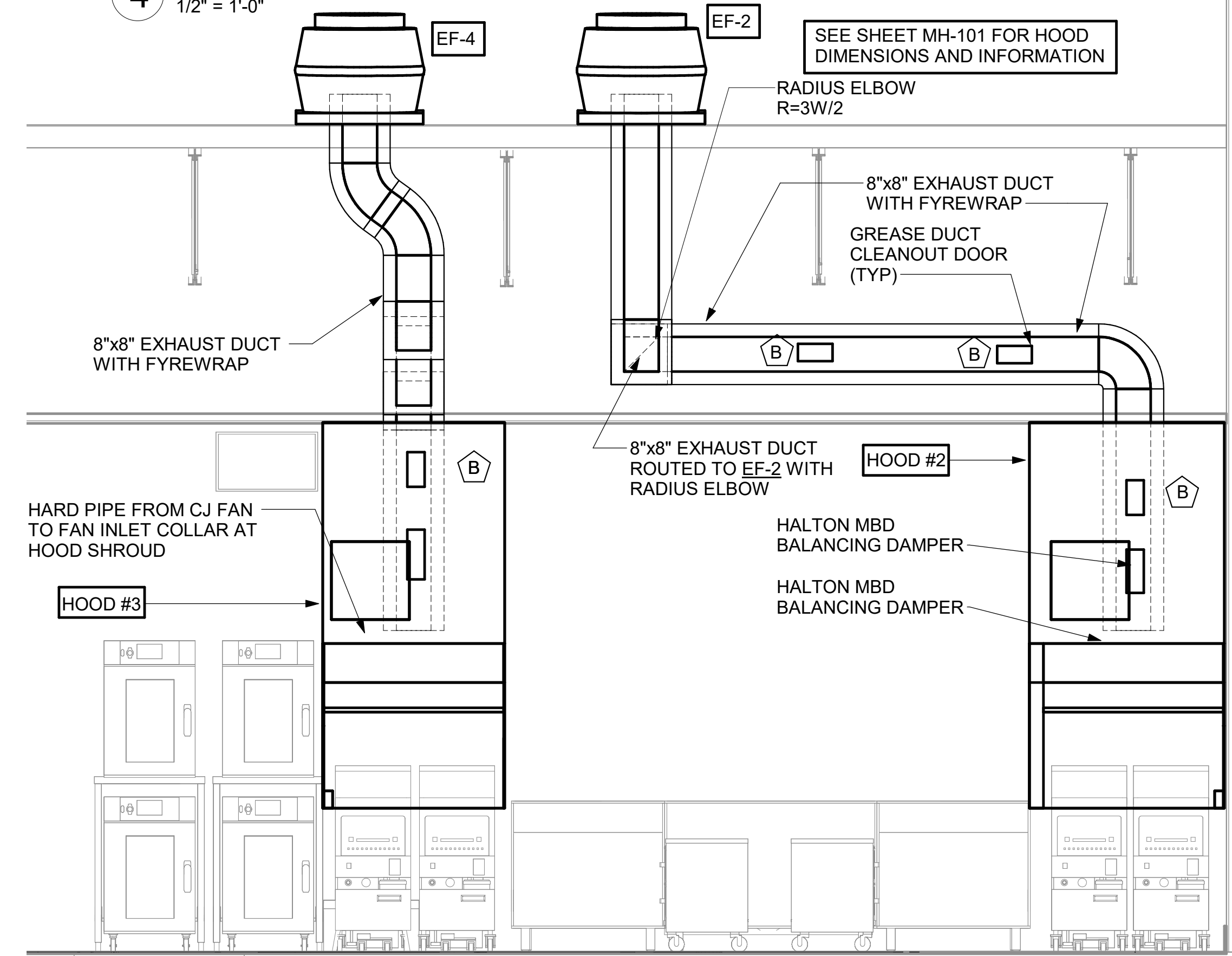
TYPICAL INSTALLATION FOR NEW HOODS. FIELD VERIFY & COORDINATE WITH HOOD DRAWINGS BY HALTON. REFER TO SHEET MH-101 & MH-102 PRIOR TO BID & CONSTRUCTION.

REMARKS

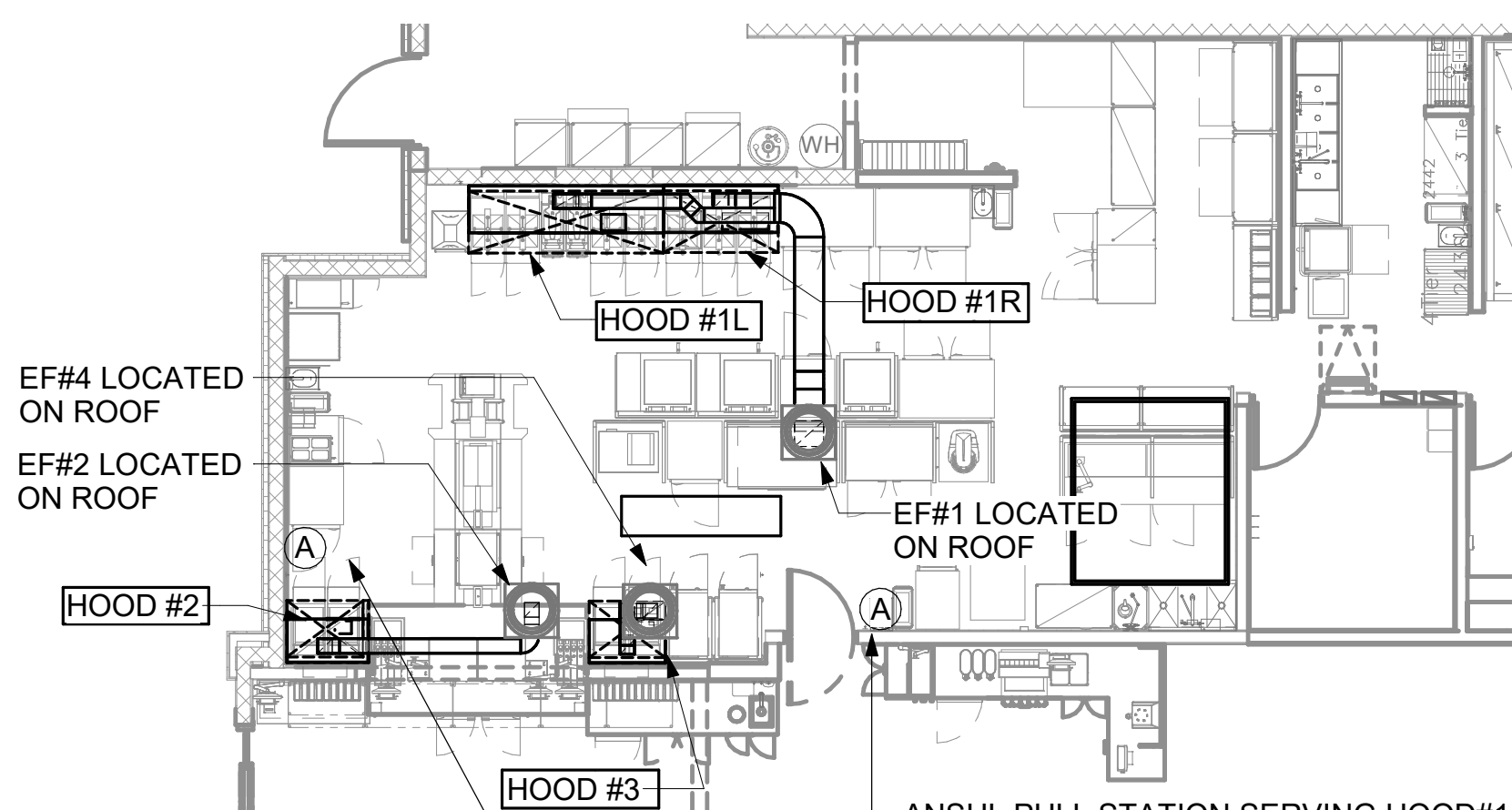
- STAINLESS STEEL CONSTRUCTION.
- PROVIDE FULL HEIGHT SS CLOSURE PANEL WITH ACCESS PANEL IN FRONT LARGE ENOUGH TO REMOVE CAPTURE JET FAN. SERVICE ANSUL COMPONENTS, AND/OR TO ACCESS KBD EQUALIZER JACK SCREW.
- PROVIDE PRE-PIPED ANSUL R-102 WET FIRE EXTINGUISHING SYSTEM.
- ANSUL CABINET AND COMPONENTS ABOVE HOOD ON RIGHT SIDE.
- PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE BACK SPACER.
- PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE CUSTOM BACK SPACER TO ACCOMMODATE PIN AND SLEEVE ELECTRICAL BOX.
- PROVIDE EQUIPMENT I.D. LABELS LOCATED ON FRONT LEADING EDGE OF HOOD.
- PROVIDE FACTORY WALL MOUNTING ANGLE AT TOP OF HOOD.
- PROVIDE TOP PLENUM CAPTURE JET FAN, SPEED CONTROLLER AND COLLAR.
- PROVIDE FACTORY INSTALLED INTEGRAL SIDE JET ARM ON RIGHT END.
- PROVIDE FACTORY INSTALLED INTEGRAL SIDE JET ARM ON LEFT END.
- PROVIDE CAPTURE JET AIR INLET AND COLLAR AT FRONT OF CLOSURE PANEL.
- PROVIDE PIN AND SLEEVE ELECTRICAL BOX (DOUBLE CONNECTION). SEE ARCH. AND ELEC. DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE PIN AND SLEEVE ELECTRICAL BOX (SINGLE CONNECTION). SEE ARCH. AND ELEC. DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE RIGHT SIDE SPACER.
- PROVIDE NOTCHED LEFT END SIDE PANEL.
- PROVIDE NOTCHED RIGHT END SIDE PANEL.
- PROVIDE 3"x3" HORIZONTAL AND VERTICAL TRIM ANGLE FOR RIGHT SIDE OF HOOD TO FINISH OFF GAP AT WALL.
- PROVIDE FULL LEFT END SIDE PANEL.
- PROVIDE FULL RIGHT END SIDE PANEL.
- PROVIDE HALTON MBD EQUALIZER.
- CONTINUOUS CAPTURE INTERNAL RIGHT END CUTOUT.
- CONTINUOUS CAPTURE INTERNAL LEFT END CUTOUT.



4 HOOD #1L AND HOOD #1R ELEVATION
1/2" = 1'-0"



3 HOOD #2 AND HOOD #3 ELEVATION
1/2" = 1'-0"

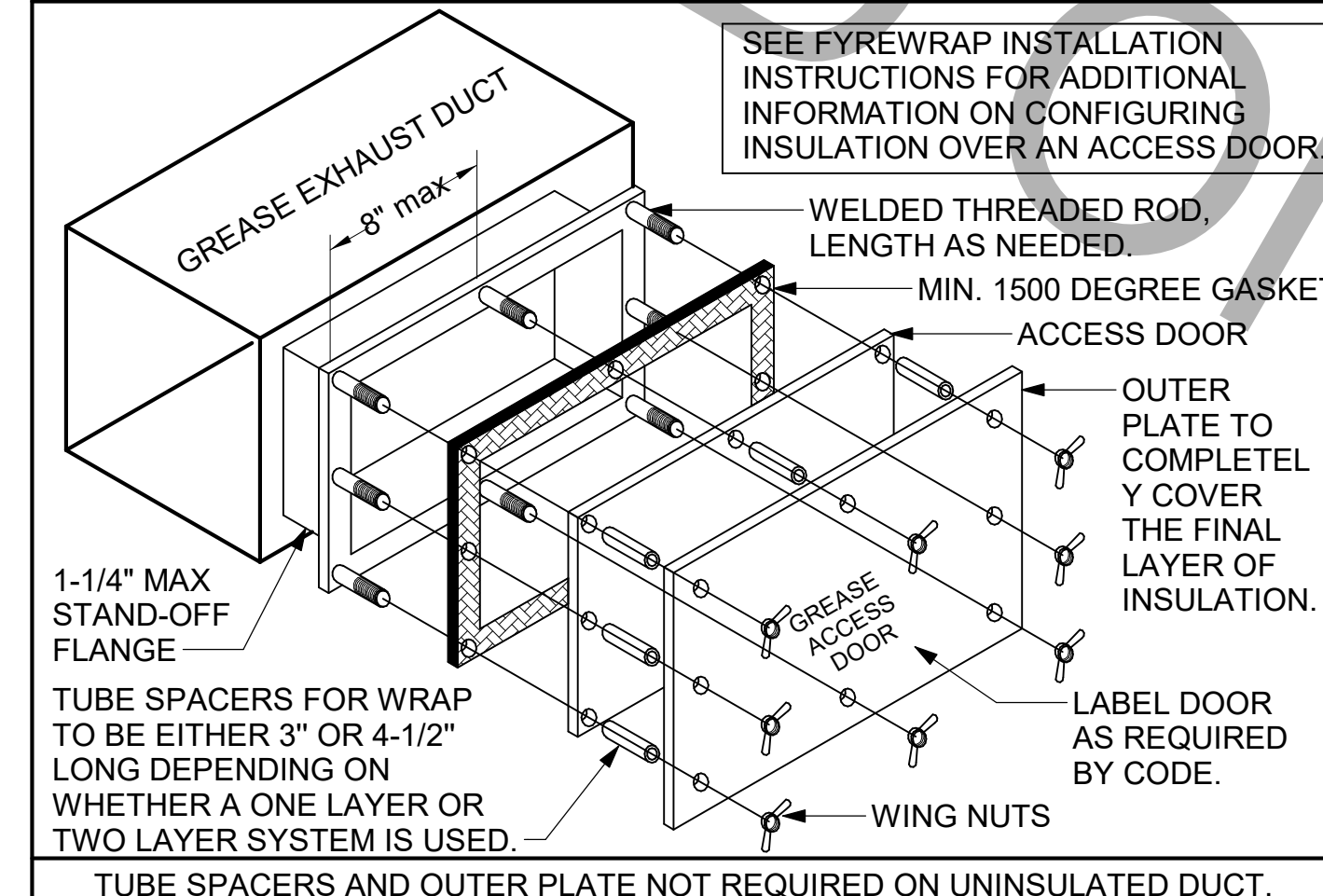


2 HOOD LAYOUT AND ANSUL PULL STATION LOCATIONS
1/8" = 1'-0"

GREASE ACCESS DOOR SCHEDULE

MARK	OPENING SIZE	DOOR SIZE	REMARKS
A	9H X 14W	11H X 16W	1
B	5.5H X 14W	7.5H X 16W	1
C	12H X 12W	14H X 14W	1
D	10H X 14W	12H X 16W	1
E	6H X 14W	8H X 16W	1

- ACCESS DOORS SHALL BE U.L. 1978 LISTED OR FIELD FABRICATED, REQUIRE NO TOOLS FOR REMOVAL AND MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE IMC. ACCESS DOOR ASSEMBLY SHALL BE WELDED IN PLACE TO THE GREASE EXHAUST DUCT AND THE ACCESS DOOR SHALL BE SECURED WITH THUMB SCREWS. ACCESS DOORS SHALL BE SEALED WITH A MINIMUM 1500 DEGREE GASKET MATERIAL EQUIVALENT TO THAT MANUFACTURED BY BRENTON INDUSTRIES, INC. (800) 382-2491.



1 GREASE ACCESS DOOR SCHEDULE
1/4" = 1'-0"



Chick-fil-A

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

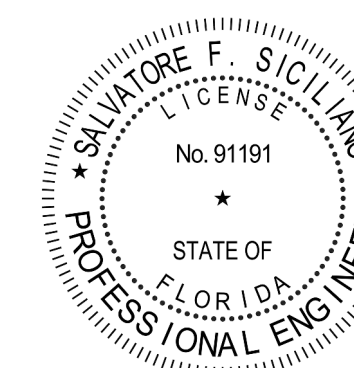


www.cphcorp.com

A Full Service
A & E Firm

Plans Prepared By:
CPH, LLC.

Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. A2500926
Landscape Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877

BUILDING TYPE / SIZE: SRI 503 A

RELEASE: v2_20/08

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT # C29142

PRINTED FOR PERMIT

DATE 09/18/2023

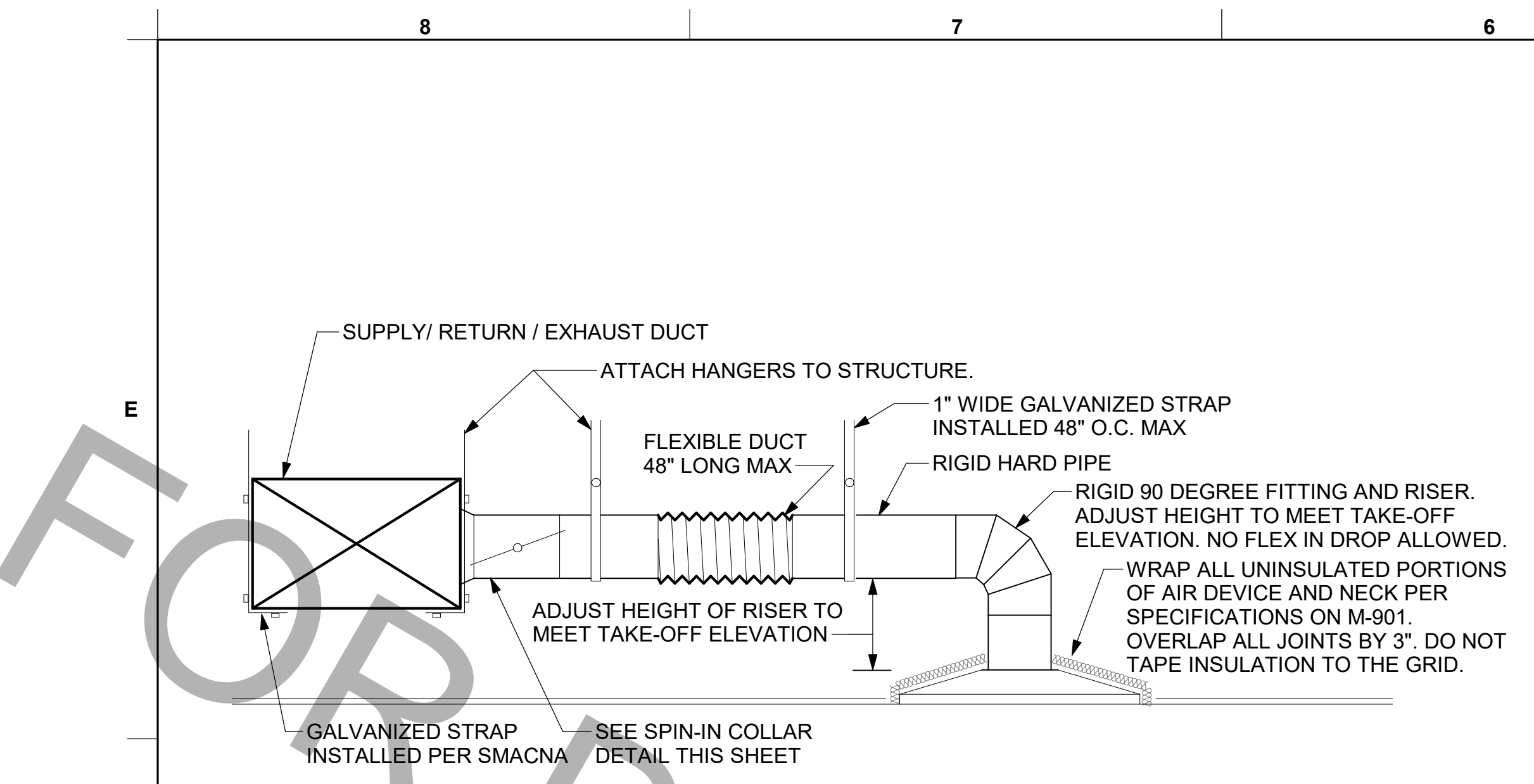
DRAWN BY JRH

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project representative.

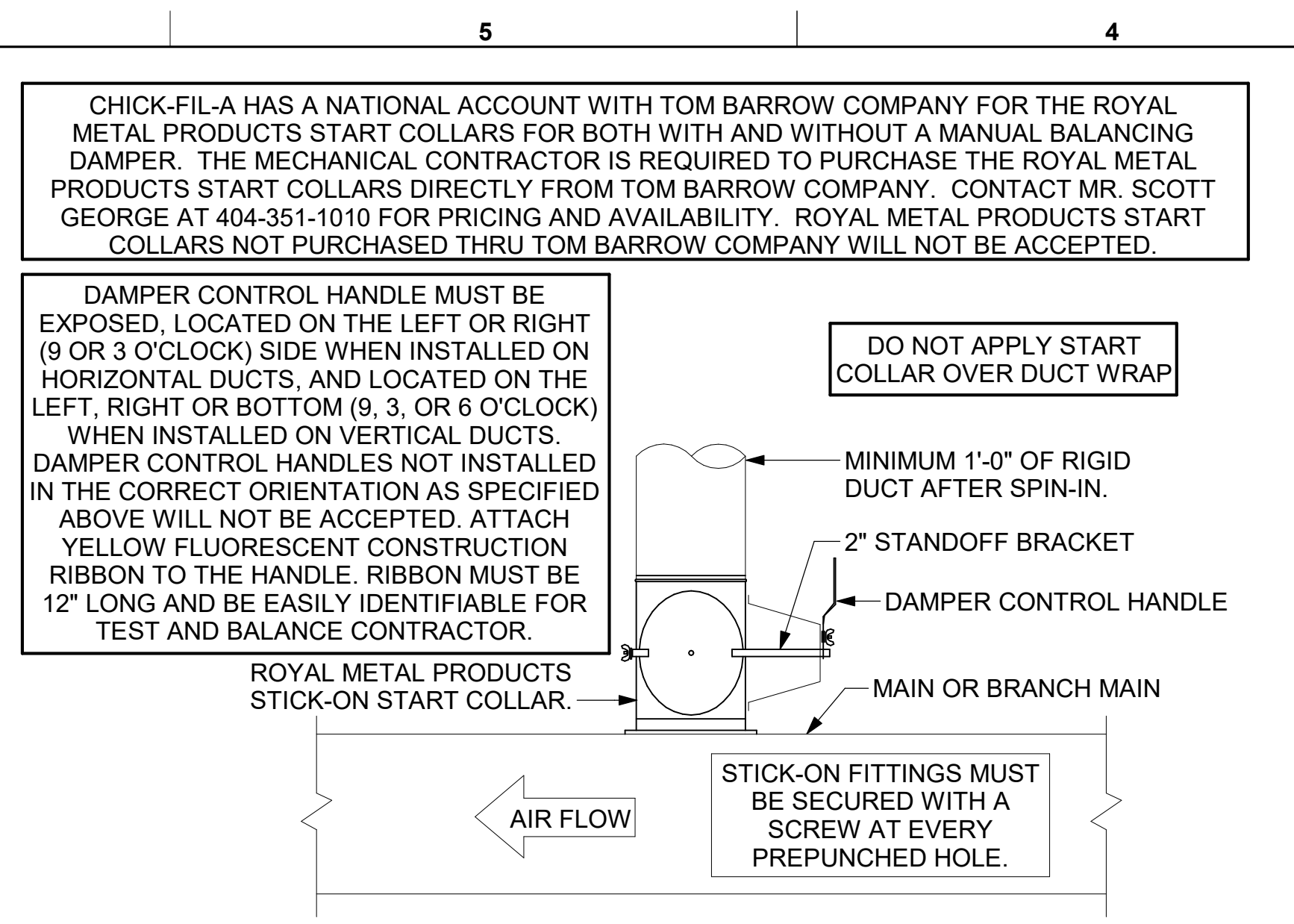
SHEET HOOD DETAILS AND SCHEDULES

SHEET NUMBER

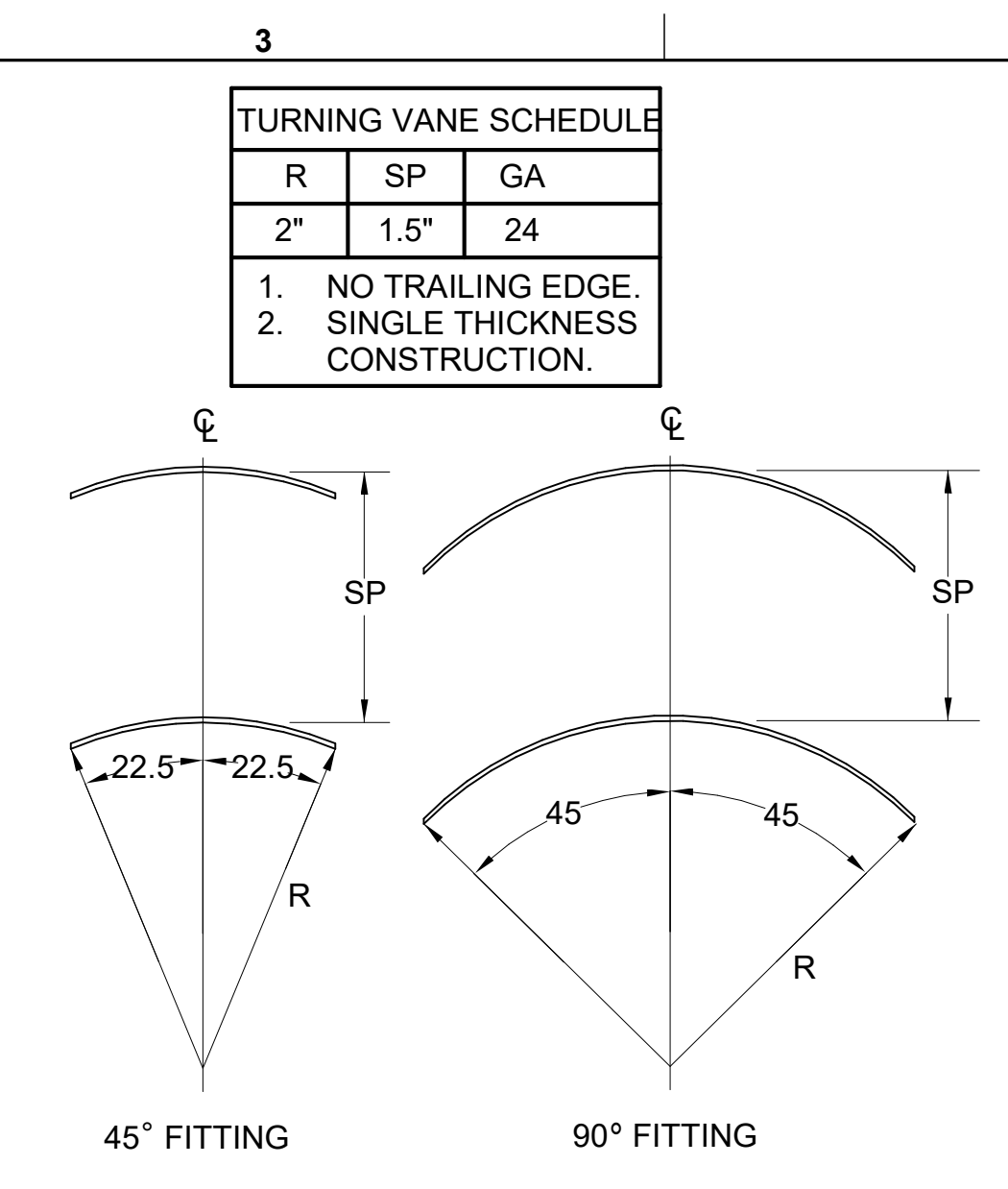
M-301



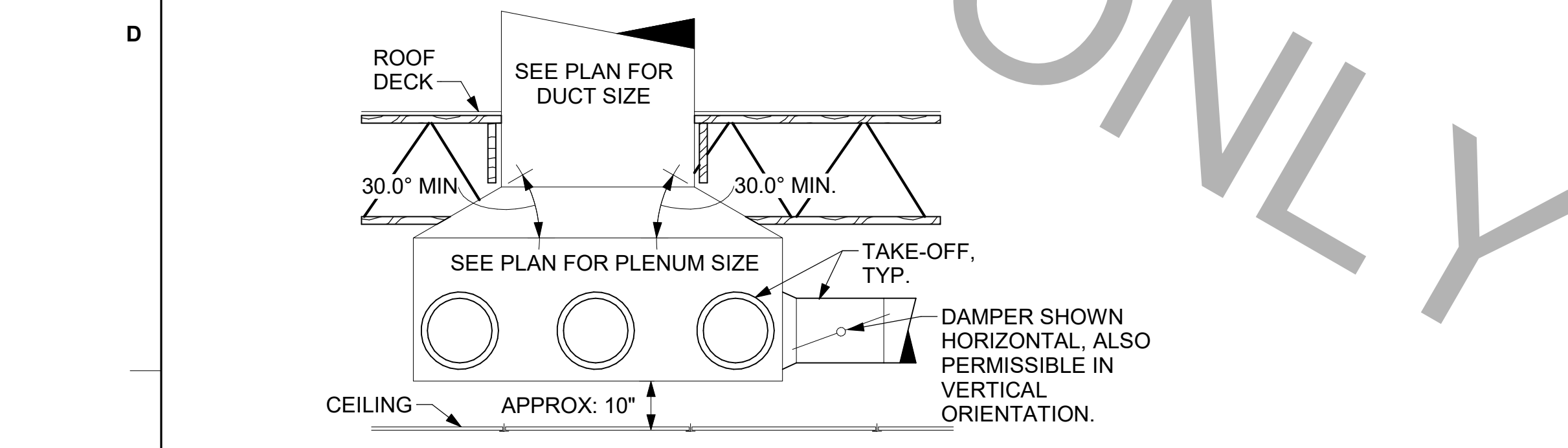
1 SAG/RAG/GRILLE TAKE-OFF - LARGE
NOT TO SCALE



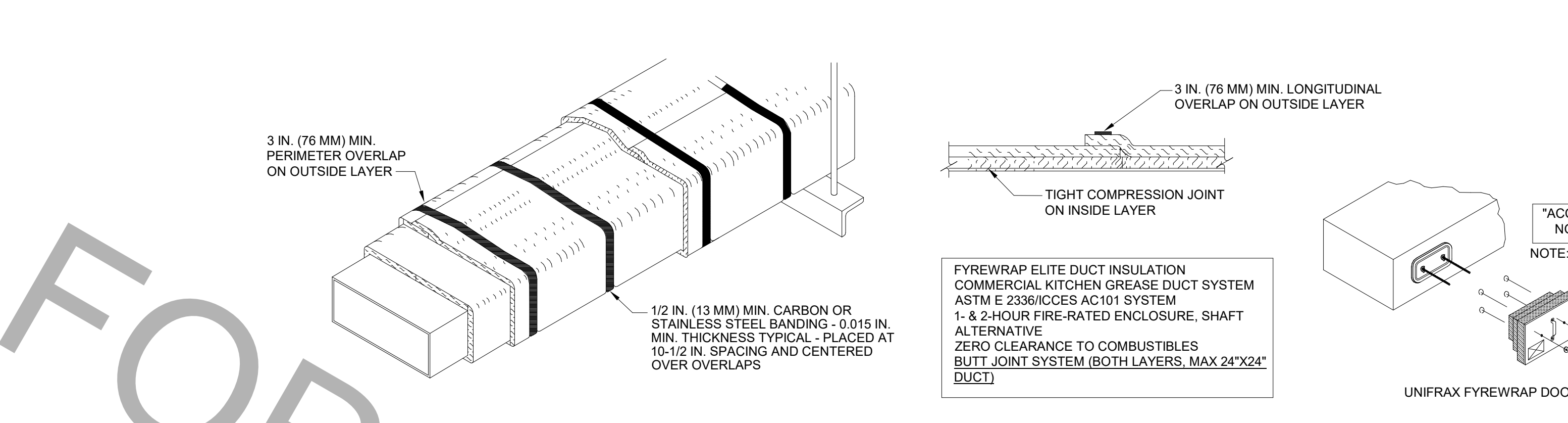
2 START COLLAR - LARGE
NOT TO SCALE



3 TURNING VANES
NOT TO SCALE



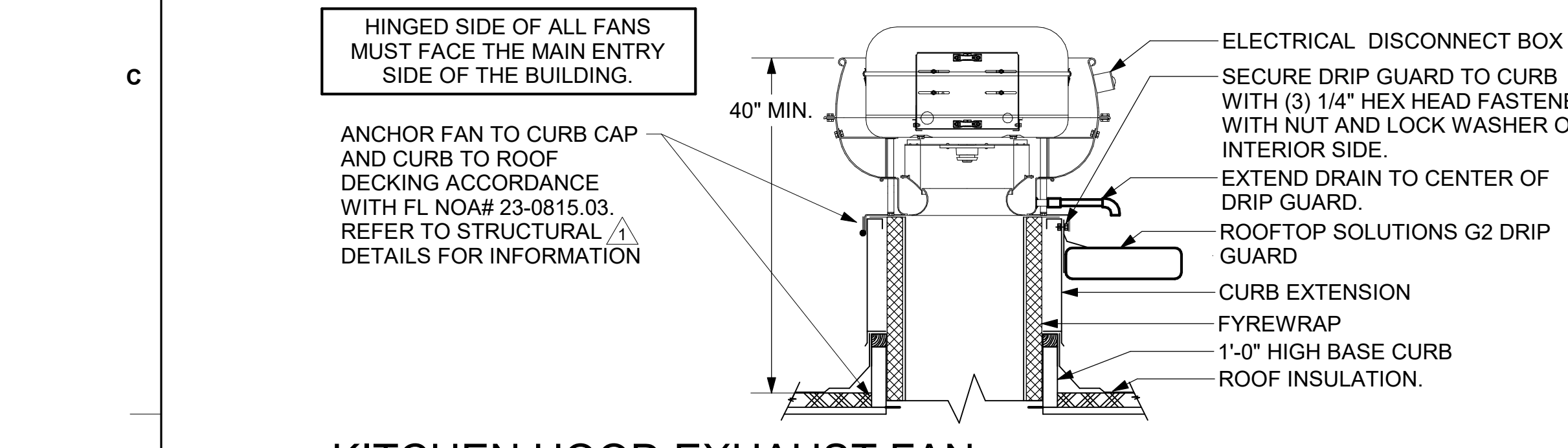
4 RETURN DROP GEOMETRY
NOT TO SCALE



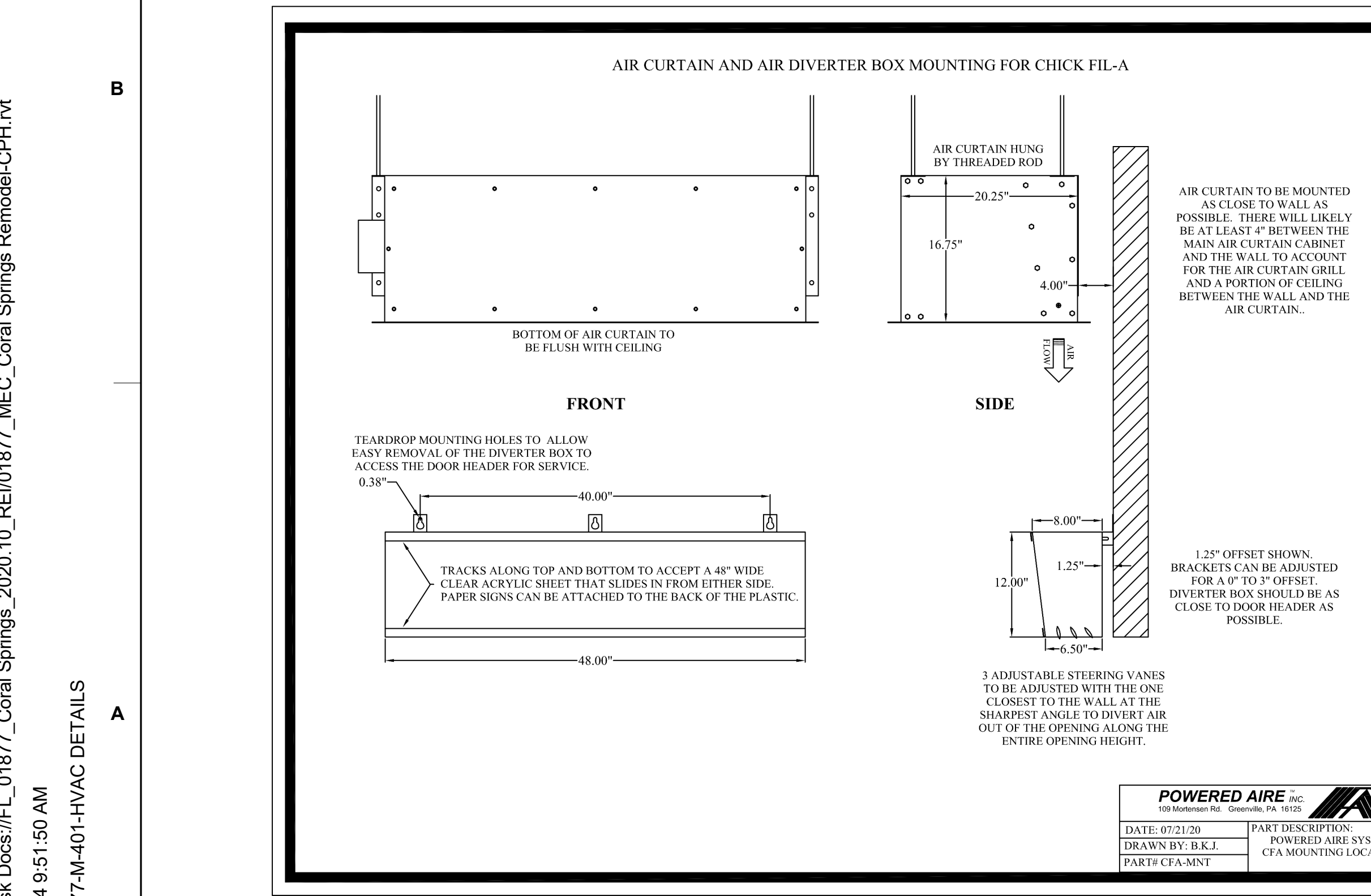
- UNIFRAX FYREWRAPELITE 1.5 DUCT INSULATION HAS BEEN TESTED IN ACCORDANCE WITH ASTM E 2338 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND MEETS THE REQUIREMENTS FOR ONE OR TWO HOUR ENCLOSURES. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH EITHER ASTM E 814 OR UL 1479. ICC-ES APPROVAL 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: 2020 FLORIDA BUILDING CODE	MECHANICAL CODE: 2020 FLORIDA MECHANICAL CODE	ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE	FIRE CODE: 2020 FLORIDA FIRE PREVENTION CODE
PLUMBING CODE: 2020 FLORIDA PLUMBING CODE	FUEL GAS CODE: 2020 FLORIDA FUEL GAS CODE	ENERGY CODE: 2020 FLORIDA ENERGY CONSERVATION CODE	
- 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 FYREWRAPELITE 1.5 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 FYREWRAPELITE 1.5 DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- UNIFRAX FYREWRAPELITE 1.5 DUCT WRAP SHALL BE INSTALLED ON THE DUCT FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.

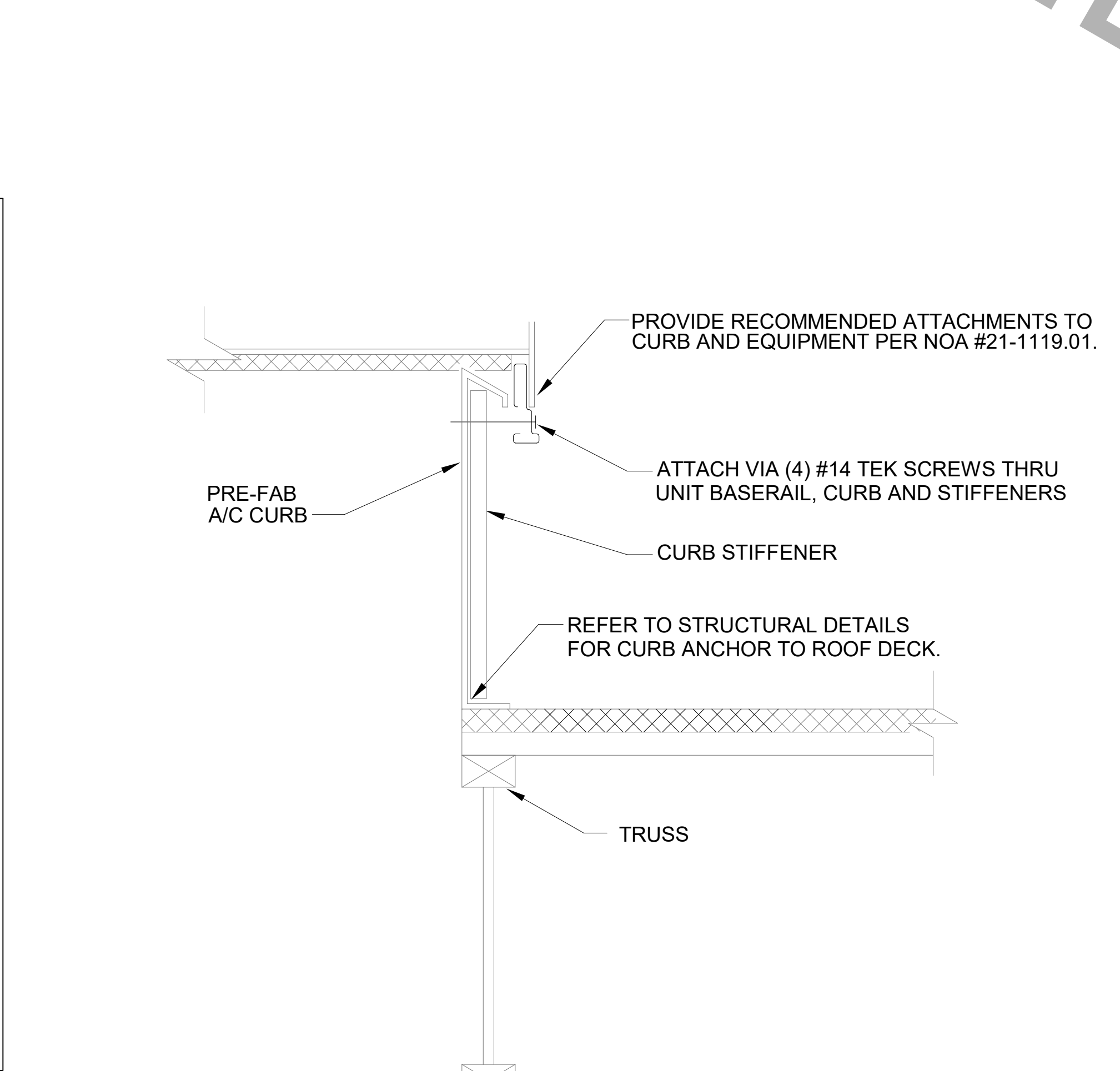
5 GREASE EXHAUST DUCT PROTECTION TO COMBUSTIBLES DETAIL
1/4" = 1'-0"



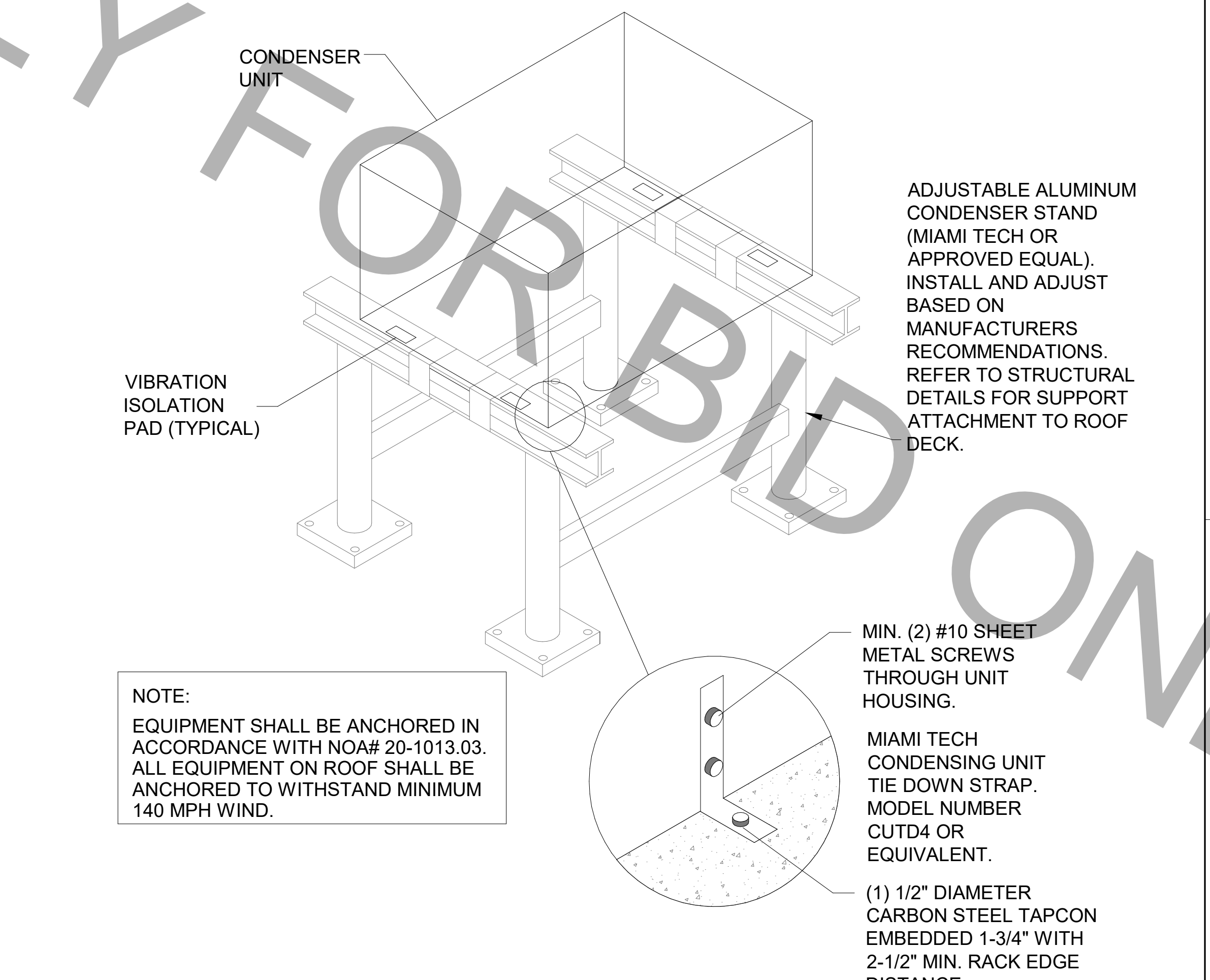
6 KITCHEN HOOD EXHAUST FAN
1/4" = 1'-0"



7 AIR DIVERTER DETAIL
SCALE: N.T.S.



8 RTU TIE-DOWN DETAIL-NOA #21-1119.01
1/4" = 1'-0"



9 CONDENSER UNIT TIE-DOWN DETAIL
NOT TO SCALE

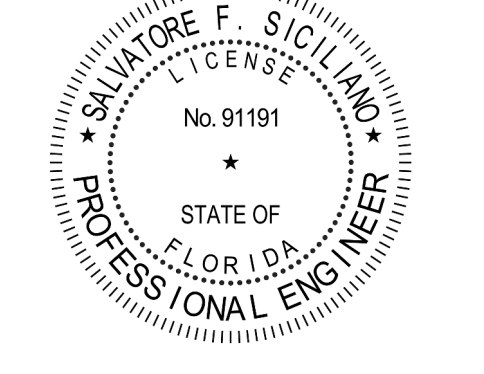
Autodesk Docs://FL_01877_Coral Springs_2020.10_REI01877_MEC_Coral Springs Remodel-CPH.rvt
1/2/2024 9:51:50 AM
30-01877-M-401-HVAC DETAILS



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



**A Full Service
A & E Firm**
Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. A2300826
Landscape Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877
BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2.20.08

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	01-02-2024	PERMIT REV 1

CONSULTANT PROJECT #	C29142
PRINTED FOR	PERMIT
DATE	09/18/2023
DRAWN BY	JRH/OP
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project representatives.	
SHEET	HVAC DETAILS
SHEET NUMBER	M-401

PERMIT

FOR BID ONLY

FOR BID ONLY

EXHAUST FAN SCHEDULE

Table with columns: MARK, CFM, ESP, RPM, HP, AREA SERVED, MODEL, MANUFACTURER, REMARKS. Rows include EF#1, EF#2, EF#3, EF#4.

NOTES: GREASE FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL. CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE FAN/CURB PACKAGE...

CIRCULATING FAN SCHEDULE

Table with columns: MARK, CFM, RPM, HP, MODEL, MANUFACTURER. Row includes CF.

AIR DEVICE SCHEDULE

Table with columns: MARK, DESCRIPTION, LOCATION, NECK SIZE, FACE SIZE, FRAME TYPE, REMARKS. Rows include A, C, E, F, J, K, L.

AIR BALANCE SCHEDULE

Table with columns: MARK, SUPPLY AIR, RETURN AIR, OUTSIDE AIR, EXHAUST AIR, BUILDING POSITIVE PRESSURE. Rows include NEW AC#1, AC#2, AC#3, AC#4, EF#1, EF#2, EF#3, EF#4, TOTALS.

AIR DOOR SCHEDULE

Table with columns: MARK, CFM, VELOCITY, HEATING CAPACITY, HP, AREA SERVED, MODEL, MANUFACTURER, REMARKS. Rows include AD#1, AD#2, AD#3.

NOTES: CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARRROW COMPANY...

GAS-FIRED ROOFTOP UNIT SCHEDULE

Table with columns: MARK, AREA SERVED, TONNAGE, COOLING CAPACITY (MBH), HEATING CAPACITY (MBH), FAN SECTION (CFM) INCLUDING EXISTING AC UNITS REBALANCE, MODEL, % OA, MODEL, MANUFACTURER, ELECTRICAL DATA, REMARKS, APPROX. WEIGHT WITH OPTIONS (POUNDS).

NOTES: COOLING CAPACITIES ARE GROSS, BASED ON ENTERING: 80FDB/67FWB, OUTDOOR: 95FDB, AND 400 CFM PER TON. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION...

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

DUCTLESS SPLIT SYSTEM

Table with columns: UNIT MARK, SERVICE, LOCATION, SEER, EER, COOLING DATA, FAN DATA, ELECTRICAL SERVICE, MANUFACTURER MODEL NUMBER, UNIT NUMBER, LOCATION, ELECTRICAL SERVICE, MANUFACTURER MODEL NUMBER, REMARKS.

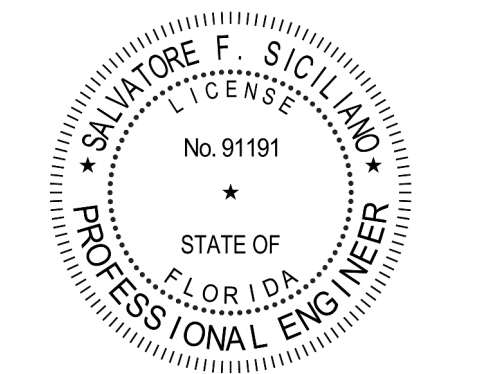
NOTES: INDOOR UNIT SHALL BE STANDARD COLOR: WHITE. PROVIDE WITH INDOOR MOUNTING BRACKET. COORDINATE WITH ARCHITECT FOR SUPPORT BLOCKING IN WALL.



Chick-Fil-A 5200 Buffington Road Atlanta, Georgia 30349-2998



A Full Service A & E Firm Plans Prepared By: CPH, LLC. Licenses: Eng. C.O.A. No. 3215 Survey L.B. No. 7143 Arch. Lic. No. AAZ600926 Lndscp. Lic. No. LC0000298



CHICK-FIL-A CORAL SPRINGS 1341 N UNIVERSITY DR CORAL SPRINGS, FL 33071

FSU#01877

BUILDING TYPE / SIZE: SRI 503 A RELEASE: v2_20.08

REVISION SCHEDULE NO. DATE DESCRIPTION 1 01-02-2024 PERMIT REV 1

CONSULTANT PROJECT # C29142 PRINTED FOR PERMIT DATE 09/18/2023 DRAWN BY JRH/OP

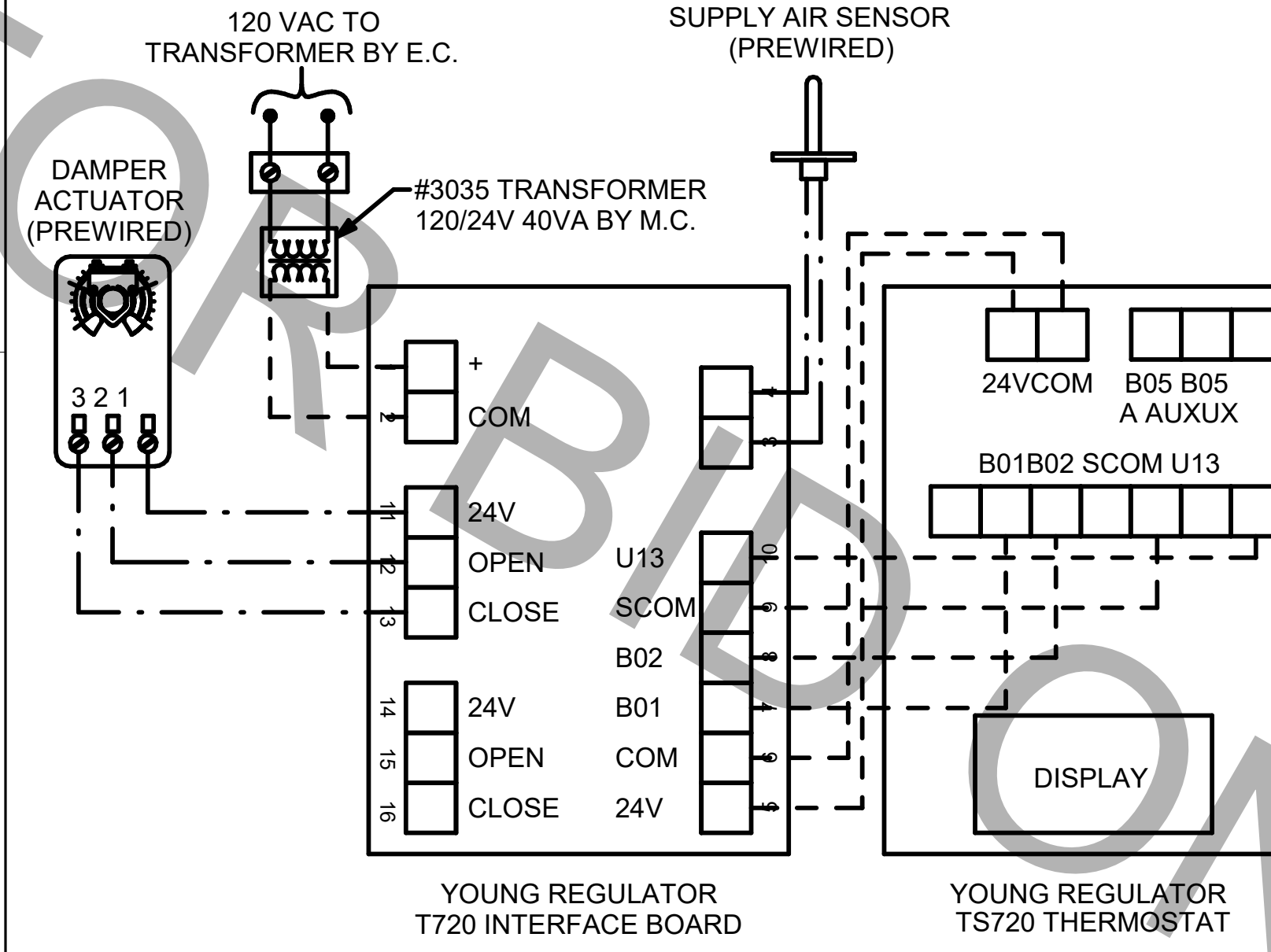
SHEET HVAC SCHEDULES SHEET NUMBER M-402

LEGEND

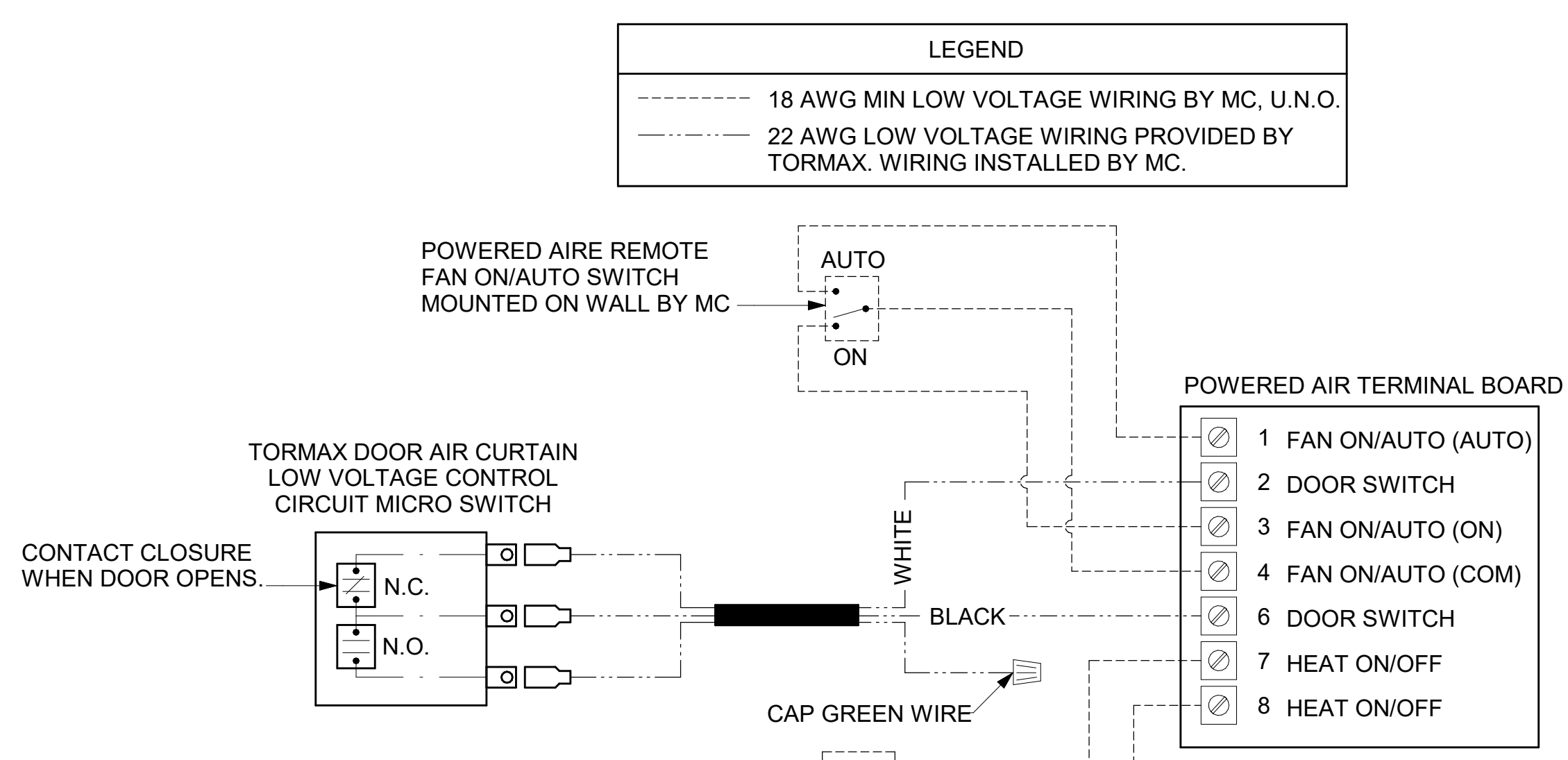
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
---	18 AWG MIN WIRING BY M.C.
---	HIGH VOLTAGE BY E.C.
---	FACTORY WIRING

- NOTES**
- SEE DWG M5201 FOR COMPONENT MODEL NUMBERS AND ORDERING INFORMATION.
 - 120V POWER FOR TRANSFORMER TO BE NON-SWITCHED AND LIVE 24 HOURS EACH DAY.
 - PROVIDE ALL NECESSARY WIRING AND COMPONENTS TO MAKE CONTROL AND POWER CONNECTIONS TO TRANSFORMER, ZONE DAMPER, AND THERMOSTAT PER MANUFACTURER'S IOM.
 - PROVIDE MYLAR LABEL AT ALL NEW THERMOSTATS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND, I.E. "OFFICE THERMOSTAT". PLACE LABELS ON WALL ADJACENT TO DEVICE. DO NOT APPLY DIRECTLY ON DEVICE.

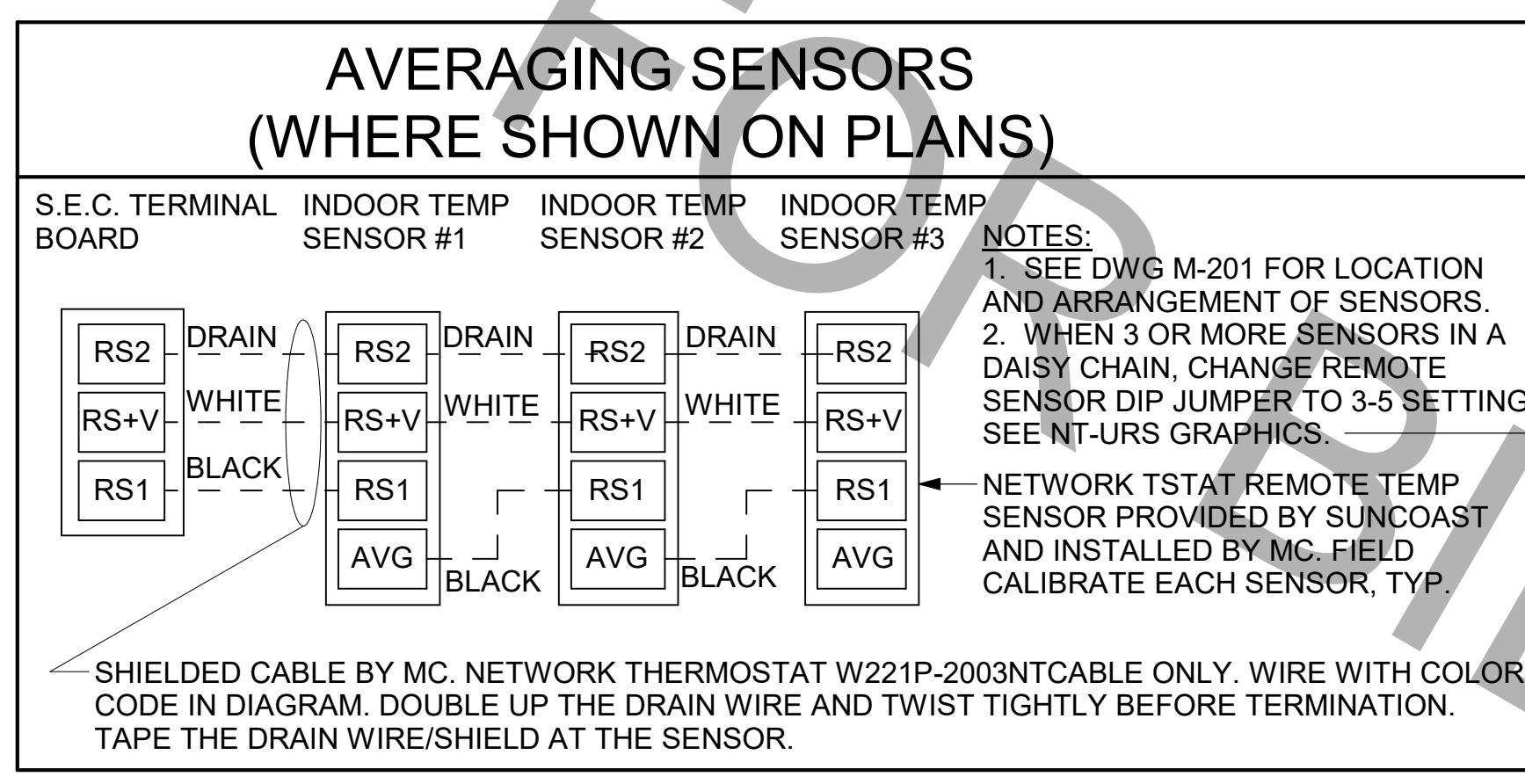
- SEQUENCE OF OPERATION**
- WHEN THE SUPPLY AIR TEMPERATURE IS LESS THAN 72F THE DAMPER WILL MODULATE ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT.
 - WHEN THE SUPPLY AIR TEMPERATURE IS GREATER THAN 71F THE DAMPER WILL MODULATE ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT.
 - WHEN SPACE TEMPERATURE FALLS BELOW 68F (ADJ), THE THERMOSTAT SHALL SEND AN ENABLE SIGNAL TO THE EDH. THE EDH SHALL THEN MODULATE CAPACITY TO MAINTAIN AN 80F (ADJ) DISCHARGE AIR SETPOINT.



4 DAMPER AND TSTAT - OFFICE & MULTIPURPOSE ROOM
NOT TO SCALE



5 AIR DOOR LOW VOLTAGE CONNECTION DIAGRAM
NOT TO SCALE



- NOTES:**
- SEE DWG M-201 FOR LOCATION AND ARRANGEMENT OF SENSORS.
 - WHEN 3 OR MORE SENSORS IN A DAISY CHAIN, CHANGE REMOTE SENSOR DIP JUMPER TO 3-5 SETTING. SEE NT-URS GRAPHICS.
 - NETWORK TSTAT REMOTE TEMP SENSOR PROVIDED BY SUNCOAST AND INSTALLED BY MC. FIELD CALIBRATE EACH SENSOR, TYP.

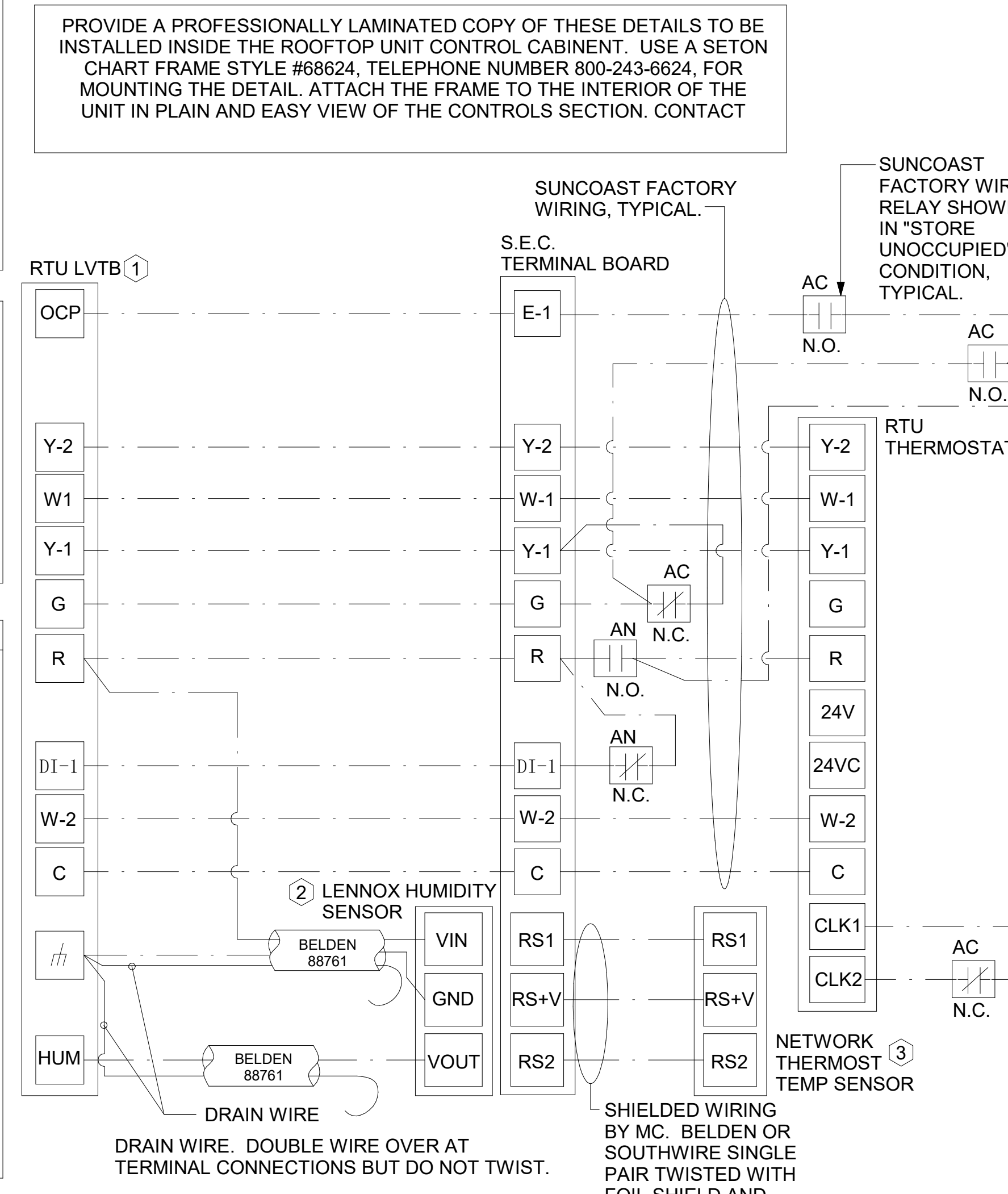
SHIELDED CABLE BY MC. NETWORK THERMOSTAT W221P-2003N CABLE ONLY. WIRE WITH COLOR CODE IN DIAGRAM. DOUBLE UP THE DRAIN WIRE AND TWIST TIGHTLY BEFORE TERMINATION. TAPE THE DRAIN WIRE/SHIELD AT THE SENSOR.

- NOTES:**
- MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
 - SEE DETAILS THIS SHEET FOR SMOKE DETECTOR AND ANNUNCIATOR WIRING.
 - SET ALL THERMOSTATS FOR AUTO CHANGEOVER.
 - PROVIDE PLASTIC ENGRAVED LABEL AT ALL NEW SENSORS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND, I.E. "AC-1 HUMIDITY SENSOR" OR "AC-1 TEMP SENSOR". PLACE LABELS ON WALL ADJACENT TO DEVICE. DO NOT APPLY DIRECTLY TO DEVICE.

- KEYED NOTES:**
- LOW VOLTAGE WIRING TO RTU TO BE ROUTED TO UNIT THRU FACTORY WIREWAY.
 - HUMIDITROL UNITS ONLY: WIRING TO HUMIDITY SENSOR TO BE MADE WITH TWO SEPARATE RUNS OF SHIELDED TWISTED PAIR. TERMINATE SHIELD WIRES AT TB-1, LEAVE OPEN AT SENSOR.
 - NETWORK TSTAT REMOTE TEMP SENSOR PROVIDED BY SUNCOAST AND INSTALLED BY MC. FIELD CALIBRATE EACH SENSOR.

LEGEND

S.E.C.	SUNCOAST ENVIRONMENTAL CONTROLS (SUPPLIER OF TEMP/FAN CONTROL PANEL) LOCATED IN KITCHEN
1	KEY NOTE REFERENCE
MC	MECHANICAL CONTRACTOR
AC	SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL. ENERGIZED BY PUTTING STORE SWITCH IN "STORE OCCUPIED" POSITION.
AN	SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL. DENERGIZED WHEN ANSUL FIRE SUPPRESSION SYSTEM IS ACTIVATED, AS NOTED.
---	18 AWG MIN LOW VOLTAGE WIRING BY MC, U.N.O. USE BELDEN OR SOUTHWIRE SINGLE PAIR TWISTED WITH FOIL SHIELD AND DRAIN WIRE FOR TEMPERATURE SENSORS (NOT HUMIDITY SENSORS).
---	LOW VOLTAGE WIRING BY S.E.C.
---	LINE VOLTAGE BY ELECTRICIAN OR S.E.C.

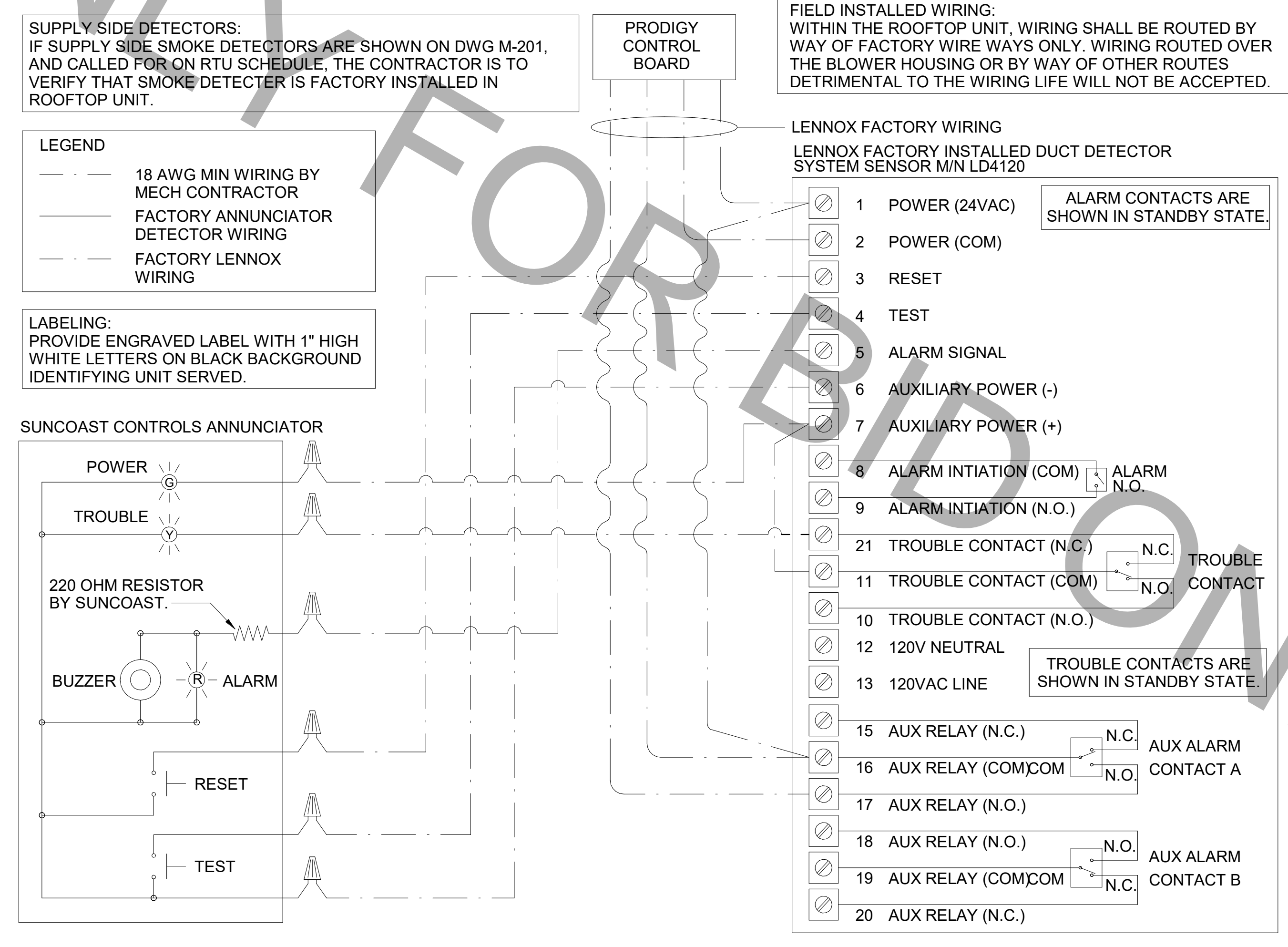


2 ROOFTOP UNIT CONTROL WIRING - LENNOX
NOT TO SCALE

- LENNOX PRODIGY CONTROLLER SETTINGS:**
- FOR ALL RTU'S EXCEPT AC#1, ELIMINATE THE MORNING WARMUP/DOSA DAMPER DELAY. THE MENU PATH IS: MAIN MENU > SETTINGS > RTU OPTIONS > EDIT PARAMETERS FOR GAS HEAT UNITS (LGT): CHANGE PARAMETER #65 SETTING TO 1 FOR ELECTRIC HEAT UNITS (LCT): CHANGE PARAMETER #58 TO 1
ON UNIT AC#1: FOR GAS HEAT (LG) LEAVE AT 60-MINUTE DEFAULT FOR ELECTRIC HEAT (LC) CHANGE VALUE TO EQUAL 90-MINUTE
 - FOR HUMIDITROL UNITS THE MENU PATH IS: MAIN MENU > SETTINGS > RTU OPTIONS > DEHUMIDIFIER MODE > NO CONDITIONS SELECT LOCAL SENSOR AND SAVE SET POINT: 60% DEHUMID DEADBAND, 2% FOR ALL UNITS. SET BLOWER TO OPERATE AT ONE AIRFLOW FOR ALL MODES. MENU PATH IS: MAIN MENU > INSTALL > TEST AND BALANCE > BLOWER SET ALL HEATING AND COOLING CFM VALUES TO THE SAME VALUE AS SCHEDULED. ADJUST AIRFLOW BY MEANS OF ADJUSTABLE BLOWER MOTOR SHEAVE.

- LENNOX FRESH AIR HEATING SETUP WHEN SPECIFIED:**
- INSTALL FRESH AIR TEMPERING KIT WIRING HARNESS AS RECOMMENDED BY LENNOX.
 - LOCATE SUPPLY AIR TEMPERATURE SENSOR IN SUPPLY DUCT DOWNSTREAM OF FIRST ELBOW. SECURE WIRING TO DUCT OR STRUCTURE WITH RUBBER COATED CLAMPS. DO NOT RUN WIRING INSIDE DUCT WORK. PROTECT ALL WIRING PENETRATIONS WITH RUBBER GROMMETS.
 - FOR PRODIGY 2.0: FIRST SET FRESH AIR HEATING ENABLE TO "YES" THRU THE TAB/DAMPER MENU (LEAVE FRESH AIR COOLING AS "NO"). NEXT, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #156 TO A VALUE OF 66. THIS WILL PREVENT THE SUPPLY AIR TEMPERATURE FROM DROPPING BELOW 66F DEG DURING HEATING MODE WHEN THERMOSTAT IS NOT ACTIVELY CALLING FOR HEAT.
 - CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #157 TO A VALUE OF 14. THIS WILL MAKE THE DEADBAND VALUE EQUAL 14F.
 - CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #158 TO A VALUE OF 300. THIS WILL MAKE THE CYCLE TIME VALUE EQUAL 5 MINUTES.

3 HOOD EXHAUST SAFETY SWITCH (H.E.S.S.) WIRING DIAGRAM
NOT TO SCALE



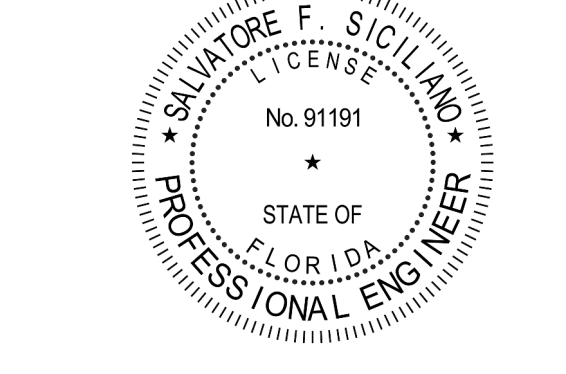
1 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM
NOT TO SCALE



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



www.cphcorp.com
A Full Service A & E Firm
Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. A22600926
Landscape Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877

BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2.20.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	01-02-2024	PERMIT REV 1

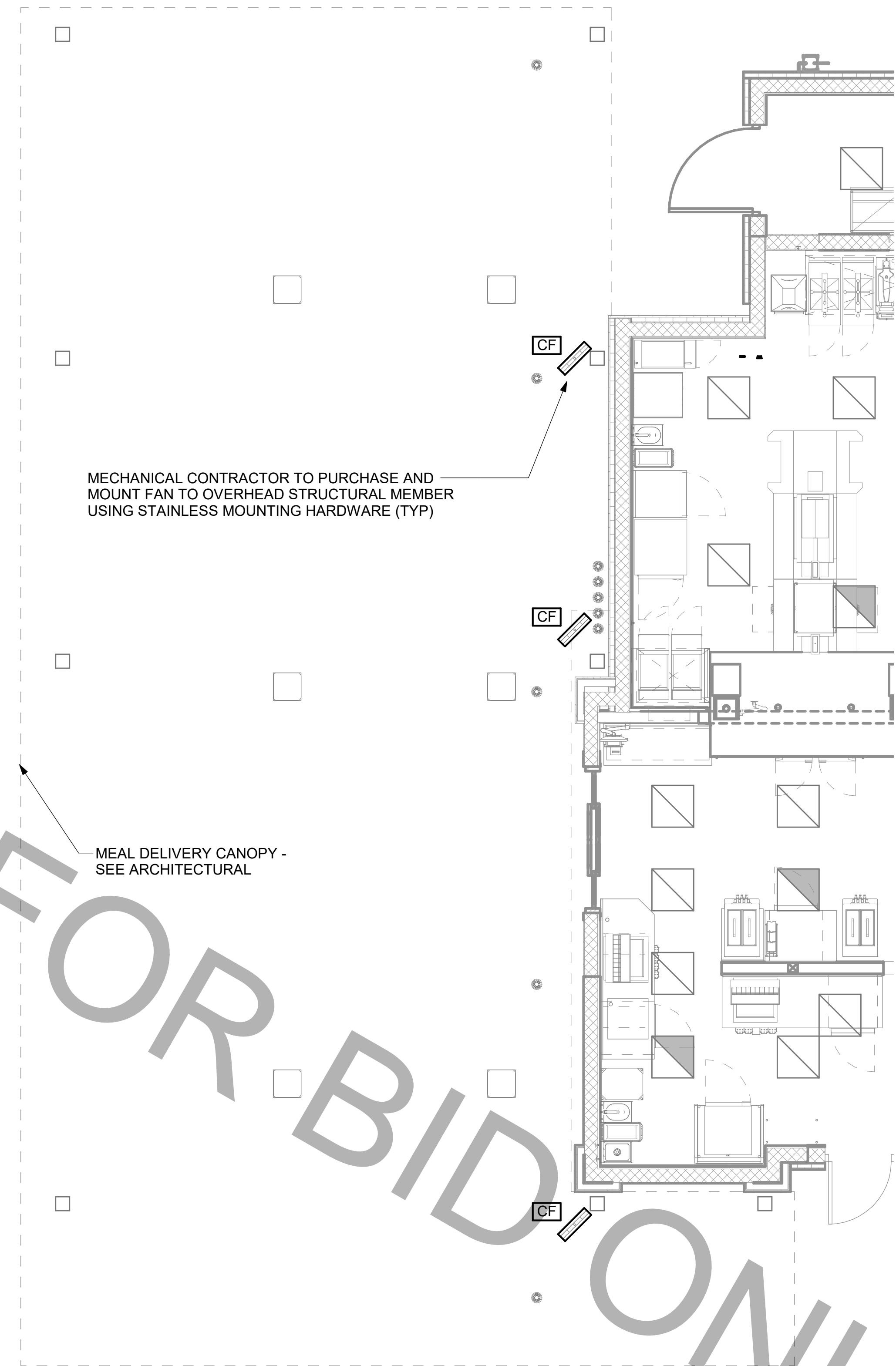
LEGEND

1	POWER (24VAC)	ALARM CONTACTS ARE SHOWN IN STANDBY STATE.
2	POWER (COM)	
3	RESET	
4	TEST	
5	ALARM SIGNAL	
6	AUXILIARY POWER (-)	
7	AUXILIARY POWER (+)	
8	ALARM INITIATION (COM)	ALARM N.O.
9	ALARM INITIATION (N.O.)	
21	TROUBLE CONTACT (N.C.)	TROUBLE CONTACT
11	TROUBLE CONTACT (COM)	TROUBLE CONTACT
10	TROUBLE CONTACT (N.O.)	
12	120V NEUTRAL	TROUBLE CONTACTS ARE SHOWN IN STANDBY STATE.
13	120VAC LINE	
15	AUX RELAY (N.C.)	AUX ALARM CONTACT A
16	AUX RELAY (COM/COM)	
17	AUX RELAY (N.O.)	
18	AUX RELAY (N.O.)	AUX ALARM CONTACT B
19	AUX RELAY (COM/COM)	
20	AUX RELAY (N.C.)	

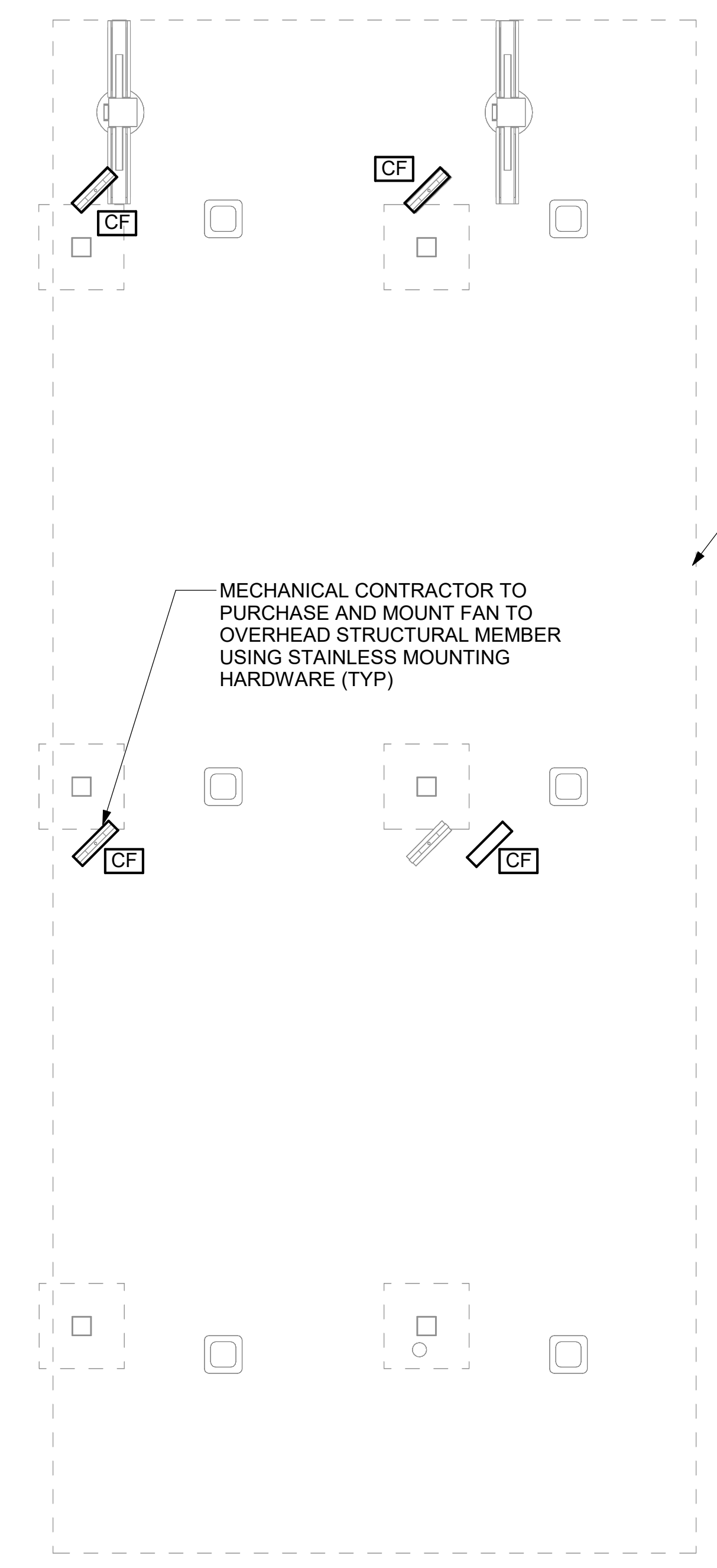
CONSULTANT PROJECT # C29142
PRINTED FOR PERMIT
DATE 09/18/2023
DRAWN BY JRH/OP
SHEET HVAC CONTROLS
SHEET NUMBER

M-501

FOR BID ONLY



2 MECHANICAL FLOOR PLAN - OUTSIDE MEAL DELIVERY CANOPY
1/4" = 1'-0"



1 MECHANICAL FLOOR PLAN - ORDER POINT CANOPY
1/4" = 1'-0"

CANOPY GENERAL NOTES

1. COORDINATE NEW WORK WITH EXISTING CONDUIT, STRUCTURE, AND PIPING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
2. COORDINATE LOCATION AND RESPONSIBILITIES FOR UNDERGROUND PIPING AND ASSOCIATED TRENCHING WITH GENERAL CONTRACTOR PRIOR TO START OF WORK.



Chick-fil-A

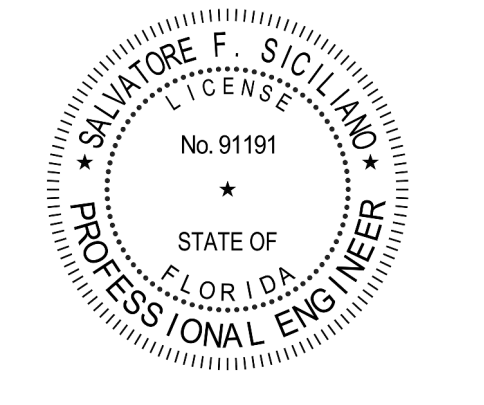
Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



www.cphcorp.com

**A Full Service
A & E Firm**

Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2500826
Landscape Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877

BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2_20.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT #	C29142
PRINTED FOR	PERMIT
DATE	09/18/2023
DRAWN BY	JRH

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET
CANOPY MECHANICAL PLANS

SHEET NUMBER
M-601

PERMIT

1. SECTION C15000 - MECHANICAL SPECIFICATIONS

PART I - GENERAL

1.01 SCOPE

- A. IT IS THE RESPONSIBILITY OF CONTRACTOR TO READ ALL SPECIFICATIONS AND CONSULT ALL DRAWINGS WHICH MAY AFFECT THE INSTALLATION AND COORDINATION OF HIS WORK WITH OTHER TRADES. CONTRACTOR SHALL COORDINATE AND MAKE MINOR ADJUSTMENTS IN LOCATION OF EQUIPMENT AND MATERIALS AS NECESSARY TO SECURE COORDINATION.
- B. COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO THE LATEST APPROVED EDITIONS OF NFPA-96, NFPA-90A, NFPA-54, SMACNA, ASHRAE 90.1 AND ASHRAE 62.
- C. SYSTEM LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY STRUCTURAL CONDITIONS, COORDINATION WITH OTHER TRADES, COORDINATION WITH FINISHES AND OTHER CONDITIONS. STRUCTURAL SUPPORTS SHALL NOT BE CUT OR ALTERED TO ASSURE FIT OF HVAC SYSTEM. TEN FOOT CLEARANCE SHALL BE MAINTAINED BETWEEN OUTSIDE AIR INTAKES AND EXHAUST FANS AND PLUMBING VENT TERMINALS.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFECTS, REPAIRS AND REPLACEMENTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER FINAL PAYMENT IS APPROVED. CONTRACTOR SHALL HONOR FACTORY WARRANTIES ON ALL EQUIPMENT PROVIDED AS PART OF THIS SYSTEM.
- E. UPON COMPLETION OF PROJECT, ALL SYSTEM EQUIPMENT AND MATERIALS SHALL BE IN NEW, CLEAN CONDITION WITH ALL DAMAGE RESTORED TO CONDITION ACCEPTABLE TO THE OWNER'S REPRESENTATIVE. ALL EQUIPMENT, COMPONENTS, DUCTWORK AND AIR DEVICES SHALL BE INSPECTED THOROUGHLY CLEANED, CLEARED OF DEBRIS, AND READY FOR USE. AT COMPLETION OF JOB, ALL MISCELLANEOUS TOOLS, SCAFFOLDING, SURPLUS MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED BY CONTRACTOR.
- F. CONTRACTOR SHALL PROVIDE TWO SETS OF 2" MERV 8 OR HIGHER THROW AWAY TYPE FILTERS. A CLEAN SET SHALL BE PROVIDED PRIOR TO TEST AND BALANCE AND AGAIN PRIOR TO OPENING.

PART II - PRODUCTS

2.01 HEATING AND COOLING EQUIPMENT (C15730)

- A. FURNISH AND INSTALL R-410A ROOFTOP SINGLE PACKAGE COMBINATION ELECTRIC COOLING AND NATURAL GAS FIRED HEATING UNITS BY LENNOX AS SHOWN ON DRAWINGS. EQUIPMENT SHALL BE ARI CERTIFIED AND A.G.A. AND U.L. LISTED.
- B. ACCESSORIES SHALL INCLUDE LOW AND HIGH PRESSURE SAFETIES, CRANK CASE HEATER, OVERCURRENT AND OVERTEMPERATURE SAFETY, COMPRESSOR VIBRATION ISOLATORS, FILTER DRIERS, REFRIGERANT SERVICE VALVES, COIL HAIL GUARDS WHERE SCHEDULED, CONVENIENCE OUTLETS FACTORY INSTALLED ON SCHEDULED UNITS, UNIT MOUNTED NON-FUSED DISCONNECTS, LOW AMBIENT OPERATION DOWN TO 30 DEGREES F AND EVAPORATOR FREEZE STAT.
- C. COMPRESSORS SHALL BE FULLY HERMETIC SCROLL TYPE WITH INTERNAL VIBRATION ISOLATORS. COMPRESSORS SHALL BE PROVIDED WITH A MINIMUM FIVE (5) YEAR FULL WARRANTY.
- D. THE UNIT HEAT EXCHANGERS SHALL BE STEEL WITH ALUMINIZED STEEL COATING. HEATING CONTROLS SHALL CONSIST OF REDUNDANT GAS VALVES, INTERMITTENT PILOT WITH ELECTRONIC SPARK OR HOT PLATE IGNITION SYSTEM, COMBUSTION/EXHAUST FAN PROTECTED BY CENTRIFUGAL SWITCHES, HEAT LIMIT SWITCHES, TIME-DELAY RELAY, FLAME, AND PILOT SENSORS. ALL UNITS SHALL BE CAPABLE OF TWO STAGES OF HEAT. HEAT EXCHANGES SHALL HAVE A TEN (10) YEAR WARRANTY. BURNERS SHALL BE ALUMINIZED IN-SHOT TYPE. THE DRAFT MOTOR SHALL BE MONITORED BY THE CONTROL SYSTEM.

- E. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION. PRICING FOR THE EQUIPMENT HAS BEEN ESTABLISHED IN ADVANCE. CONTACT LENNOX NATIONAL ACCOUNTS AT 972-497-6260 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY.

2.02 DUCTWORK (C15735) (SEE DWG M-301 FOR ADDITIONAL GREASE DUCT SYSTEM REQ.)

- A. ACCEPTABLE MANUFACTURERS OF INSULATION ARE MANVILLE, OWENS CORNING OR KNAUF.
- B. ALL DUCTWORK SHALL BE SHEET METAL, UNLESS NOTED OTHERWISE (U.N.O.).
- C. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS, U.N.O.
- D. CONSTRUCTION OF DUCTWORK SHALL MEET SMACNA 1" W.C. PRESSURE CLASS STANDARD AND RECOMMENDATIONS. SMACNA SHALL BE FOLLOWED WITH RESPECT TO GAGE THICKNESS, JOINTS, REINFORCING, CONSTRUCTION, INSTALLATION AND SUPPORT FOR PRESSURE CLASS STATED. ALL TRANSVERSE JOINTS IN RECTANGULAR AND ROUND DUCT INCLUDING DUCT CONNECTION TO AIR DEVICE COLLAR SHALL BE SEALED PER SMACNA SEAL CLASS C WITH U.L. DUCT MASTIC SEALANT APPROVED FOR INTENDED USE. DUCT TAPE IS NOT AN ACCEPTABLE SUBSTITUTE FOR MASTIC UNLESS EQUAL TO HARDCAST FOIL-GRIP 1402 BUTYL RUBBER ADHESIVE TAPE.
- E. DUCT SHALL BE SUPPORTED AT BASE OF DUCT DROPS. CURB DUCT RAILS ARE NOT INTENDED TO AND SHALL NOT SUPPORT THE WEIGHT OF THE DUCT.
- F. ALL DUCT INSULATION SHALL MEET MINIMUM R-VALUE REQUIRED BY ASHRAE 90.1 LATEST EDITION. ALL DUCT WRAP SHALL BE MINIMUM 2" THICK, 3/4 PCF AND 6 R VALUE INSTALLED WITH EITHER A VAPOR BARRIER WITH MAXIMUM PERMEANCE 0.05 OR A MINIMUM 2 MIL ALUMINUM REINFORCED FOIL/KRAFT FACING.
- G. ALL DUCT DROPS FROM THE ROOFTOP UNITS SHALL BE EXTERNALLY INSULATED.
- H. SUPPLY AND RETURN AIR DUCTWORK SERVING ALL AREAS SHALL BE EXTERNALLY INSULATED.
- I. ALL AIR CONVEYANCE COMPONENTS SUCH AS, BUT NOT LIMITED TO DUCT, DUCT PLENUMS, GRILLES/DIFFUSERS, BACK PANS, AND BOOTS SHALL BE INSULATED. INSULATION TYPE IS COVERED ELSEWHERE IN THIS SPECIFICATION.
- J. RESTROOM RECTANGULAR EXHAUST AIR DUCTWORK SHALL BE LINED WITH 1" THICK, 1-1/2 PCF INSULATION. RESTROOM ROUND EXHAUST DUCT SHALL BE EXTERNALLY INSULATED PER SECTION 2.02F.
- K. TRUNK DUCTS SHALL BE ISOLATED FROM UNIT VIBRATION WITH THE USE OF NFPA AND U.L. APPROVED FLEXIBLE CONNECTORS INSTALLED AT THE TOP OF BOTH SUPPLY AND RETURN DROPS.
- L. INSULATED FLEXIBLE DUCT MAY BE UTILIZED FOR RUNOUTS TO GRILLES AND DIFFUSERS ONLY IN THE HORIZONTAL POSITION AND IN MAXIMUM LENGTHS OF 4'-0". NO EXCEPTIONS. SEE TAKE-OFF DETAIL ON DRAWING M-401.
- M. CONSTRUCTION OF FLEXIBLE DUCTWORK SHALL INCLUDE SPIRAL METAL HELIX BONDED TO A POLYESTER CORE, FIBERGLASS INSULATION WITH POLYETHYLENE OR MYLAR VAPOR BARRIER. ALL COMPONENTS SHALL HAVE APPROPRIATE U.L. APPROVAL AND SHALL BE EQUIVALENT TO THERMAFLEX MKE.
- N. FLEXIBLE DUCT SHALL BE INSTALLED PER THE "ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS, 4TH ED" USING FOIL TAPE AND DRAWBAND ON THE INNER CORE AND TAPE OR DRAWBAND ON THE OUTER JACKET.
- O. DUCT TAPE SHALL BE EQUAL TO FASSON 181-B FX, 2-1/2" WIDE.
- P. SINGLE THICKNESS TURNING VANES SHALL BE INSTALLED AT 90 DEGREE TURNS IN SUPPLY DUCTWORK WHERE ANY ONE DIMENSION IS GREATER THAN 12".
- Q. RADIUS ELBOWS MAY BE SUBSTITUTED FOR 90 DEGREE ELBOWS AT THE DISCRETION OF THE CONTRACTOR. CENTERLINE RADIUS EQUAL TO R-W PER FIGURE NO. 4-2 IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- R. EXTERNAL INSULATION ON BOTTOM OF DUCTS 24" OR WIDER SHALL BE SUPPORTED WITH STICK PINS ON 18" CENTERS. STICK PIN WASHERS SHALL BE COVERED WITH DUCT TAPE OR MASTIC.

2.03 CONTROLS (C15735)

- A. SYSTEMS SHALL BE COMPLETE WITH CONNECTIONS TO CFA-500 TEMPERATURE CONTROL PANEL AS MANUFACTURED BY SUNCOAST ENVIRONMENTAL CONTROLS (S.E.C.) (PH: 877-544-6679). THE PANEL IS PROVIDED AND MOUNTED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING TERMINATIONS ARE BY THE MECHANICAL CONTRACTOR.
- B. THE SMOKE DETECTORS SHALL BE FACTORY INSTALLED AND WIRED BY THE ROOFTOP UNIT MANUFACTURER.
- C. A FACTORY INSTALLED SMOKE DETECTOR IN THE RETURN AIR AND SUPPLY AIR SECTION OF EACH AIR CONDITIONING UNIT SHALL STOP THE INDOOR FAN AND CLOSE THE OUTSIDE AIR DAMPER IN THE EVENT OF EXCESSIVE TEMPERATURE OR SMOKE. SMOKE DETECTOR SHALL BE LOCATED PRIOR TO ANY EXHAUST FROM THE BUILDING OR MIXING WITH FRESH AIR MAKE-UP. UPON DETECTION, THE SYSTEM SHALL NOT RESTART UNTIL THE DEVICE IS MANUALLY RESET. DEVICES SHALL BE LOCATED WHERE THEY CAN BE EASILY ACCESSED AND WHERE CLEAR OF FILTERS.
- D. CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH SUNCOAST ENVIRONMENTAL CONTROLS FOR THE SMOKE DETECTOR TEST/RESET ANNUNCIATOR STATIONS. THE TEST/RESET STATIONS WILL BE PURCHASED BY THE ELECTRICAL CONTRACTOR AS A PART OF A NATIONAL ACCOUNT PACKAGE AND TURNED OVER TO THE MECHANICAL CONTRACTOR FOR INSTALLATION.
- E. THE REMOTE TEST/RESET ANNUNCIATORS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. INSTALLATION BY MECHANICAL SHALL INCLUDE MOUNTING OF THE ANNUNCIATORS AND ALL WIRING FROM EACH DEVICE TO THE RTU. ELECTRICAL WILL PROVIDE A JUNCTION BOX IN THE WALL WITH 1/2" CONDUIT STUBBED UP ABOVE THE CEILING FOR EACH REMOTE TEST STATION AS SHOWN ON THE ELECTRICAL PLANS. ANNUNCIATOR SHALL BE SUNCOAST CONTROLS REMOTE TEST/RESET STATION WITH POWER LED, TROUBLE LED, ALARM LED, 90DB HORN AND TEST/RESET BUTTON.
- F. THE RESTROOM FAN SHALL BE INTERLOCKED TO THE LIGHTS SERVING THE MEN AND WOMEN'S RESTROOMS. THE HOOD FANS SHALL BE CONTROLLED VIA THE SUNCOAST CFA-500 CONTROL PANEL. WIRING, RELAYS AND SWITCHES FOR CONTROL OF ALL FANS ARE BY ELECTRICAL CONTRACTOR.
- G. LENNOX UNITS - THERMOSTATS ARE PROVIDED AND INTEGRATED INTO THE TEMPERATURE CONTROL PANEL BY SUNCOAST ENVIRONMENTAL CONTROLS. SUNCOAST WILL PROVIDE A NETWORK THERMOSTAT US32-CFA THERMOSTAT PREWIRED IN THE TEMPERATURE CONTROL PANEL. A REMOTE TEMPERATURE SENSOR FOR EACH THERMOSTAT IS ALSO PROVIDED. MECHANICAL CONTRACTOR SHALL INSTALL ALL WIRING BETWEEN THE THERMOSTAT, THE REMOTE SENSOR AND THE ROOFTOP UNIT.
- H. MECHANICAL CONTRACTOR SHALL INSTALL CONTROL WIRING IN 1/2" CONDUIT WHERE REQUIRED BY CODE. WHERE NOT REQUIRED TO BE IN CONDUIT, ALL WIRING SHALL BE RUN PARALLEL TO STRUCTURAL MEMBERS OR PERPENDICULAR WITH NO DIAGONAL ROUTING. ALL WIRING SHALL BE SECURED TO THE FRAMING TO PREVENT SAGGING IN RUNS. WIRING TO ROOFTOP UNITS SHALL BE ROUTED THROUGH THE FACTORY THRU-BASE FITTING IN THE UNIT BASE. NO SPLICING OF WIRING WILL BE ACCEPTED. ALL WIRING ABOVE THE ROOF SHALL BE INSTALLED IN EXTERIOR GRADE FLEXIBLE CONDUIT. ALL CONTROL WIRING AND CONTROL WIRING CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF NEC. ALL LOW VOLTAGE CONTROL WIRING SHALL BE NO LESS THAN 18 AWG MIN. CONTROL WIRING CONDUCTORS SHALL BE SIZED TO ACCOUNT FOR LOAD AND LENGTH OF RUN TO ALLOW SUFFICIENT VOLTAGE AVAILABLE AT CONTROLLED DEVICE TO OPERATE THE SYSTEM RELIABLY.

PART III - EXECUTION

3.01 SCOPE

- A. FURNISH AND INSTALL SYSTEM IN ACCORDANCE WITH REFERENCED STANDARDS, APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS AND AS INDICATED ON DRAWINGS.
- B. CONTRACTOR SHALL INSTRUCT THE OWNER'S REPRESENTATIVE IN ALL MATTERS PERTAINING TO THE PROPER MAINTENANCE OF EQUIPMENT FURNISHED UNDER THIS CONTRACT THROUGH DEMONSTRATION AND EXPLANATION OF OPERATING & MAINTENANCE MANUALS.
- C. CONTRACTOR SHALL PROVIDE A "SAMPLE MAINTENANCE PROPOSAL" TO THE OWNER'S REPRESENTATIVE IN ALL MATTERS PERTAINING TO THE PROPER MAINTENANCE OF EQUIPMENT FURNISHED UNDER THIS CONTRACT.
- D. CONTRACTOR SHALL COMPLETE A/C EQUIPMENT STARTUP DOCUMENTATION PROVIDED BY OWNER AND/OR MANUFACTURER. THIS SHALL INCLUDE RETORQUE OF ALL FIELD AND FACTORY HIGH VOLTAGE CONNECTIONS.

3.02 TEST & BALANCE

- A. OWNER SHALL TEST AND BALANCE MECHANICAL SYSTEM IN ACCORDANCE WITH NEBB, NBC OR AABC STANDARDS TO ASSURE CONFORMANCE WITH DESIGN. G.C. WILL MAKE MECHANICAL CONTRACTOR AVAILABLE DURING TEST AND BALANCE TO ASSIST TESTING AGENCY AND TO MAKE CORRECTIONS IMMEDIATELY NECESSARY. CONTRACTOR SHALL CORRECT ITEMS ON WRITTEN TEST AND BALANCE REPORT.
- B. ALL EQUIPMENT TO BE BALANCED MUST HAVE GONE THRU SUCCESSFUL START-UP PROCEDURE BY THE MECHANICAL CONTRACTOR (MC) PRIOR TO TAB VISIT.
- C. THE FLOOR OF THE RESTAURANT SHALL BE CLEARED OF DEBRIS, STAGED CONSTRUCTION MATERIALS, EQUIPMENT, ETC. WHICH MAY, IN THE OPINION OF THE TAB TECHNICIAN, OBSTRUCT ACCESS TO AIR DISTRIBUTION COMPONENTS IN AND ABOVE THE CEILING.
- D. EQUIPMENT ACCESS PANELS, DUCT AIR DEVICES SUCH AS BALANCING DAMPERS AND ACTUATORS SHALL BE ACCESSIBLE AND CLEAR OF PIPING, CONDUIT, FRAMING, SUPPORTS ETC...
- E. PROVIDE AN 8 FT PORTABLE A-FRAME STYLE LADDER DEDICATED FOR THE TAB TECHNICIAN'S USE DURING THE ENTIRE TAB EFFORT DURATION.
- F. THE MC SHALL BE AVAILABLE DURING THE ENTIRE DURATION OF THE TAB EFFORT AND HAVE ON-SITE THE RESOURCES AND TOOLS TO MAKE CORRECTIONS AS NEEDED UNDER THE DIRECTION OF THE TAB TECHNICIAN.

NATIONAL ACCOUNTS	
1.	LENNOX EQUIPMENT - CONTACT LENNOX NATIONAL ACCOUNTS AT 972-497-6260 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY. LENNOX EQUIPMENT NOT PURCHASED THRU LENNOX NATIONAL ACCOUNTS WILL NOT BE ACCEPTED.
2.	LOREN COOK FAN AND CURB PACKAGE - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CURB PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
3.	PRICE AIR DEVICES - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
4.	AIR DOORS - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
5.	SUNCOAST ENVIRONMENTAL CONTROLS - THE CFA 500 PANEL AND THE TEST/RESET STATIONS WILL BE PURCHASED AND PROVIDED BY THE electrical CONTRACTOR AS A PART OF A NATIONAL ACCOUNT PACKAGE. SEE PART II PARAGRAPH 2.03 OF THE MECHANICAL SPECIFICATIONS FOR MORE INFORMATION.
6.	HALTON 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.
7.	ROYAL METAL PRODUCTS START COLLARS - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE START COLLARS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. START COLLARS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
8.	TPI FAN PACKAGE - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. FANS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
9.	MITSUBISHI SPLIT SYSTEM UNIT PACKAGE - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE SPLIT SYSTEM PACKAGE DIRECTLY FROM TRANE/MITSUBISHI COMPANY. CONTACT CFA@TRANE.COM OR CALL 866-9864822. SCOTT ROWLEY/TRANE CAN ALSO BE REACHED DIRECTLY AT 630-200-7155. ONLY WHEN INVENTORY ISSUES PREVENT TIMELY PROCUREMENT OF PRIMARY MITSUBISHI OPTION, SAMSUNG ALTERNATE (AC036BNTDCH/AA / ACO36BXADCH/AA) IS INTENDED FOR USE. FOR SAMSUNG, PLEASE CONTACT CHAD FISHER AT 479-621-3020. DUE TO PROCUREMENT SUPPLY ISSUES IN ASHRAE CLIMATE ZONES 0-3, MITSUBISHI (NTXWST36B112AA / NTXSST36B112AA) MAY BE USED AS A SECOND ALTERNATIVE @ TRANE CONTACT INFO ABOVE. MINI SPLIT SYSTEMS NOT PURCHASED THRU TRANE/MITSUBISHI COMPANY OR ALTERNATES WILL NOT BE ACCEPTED.



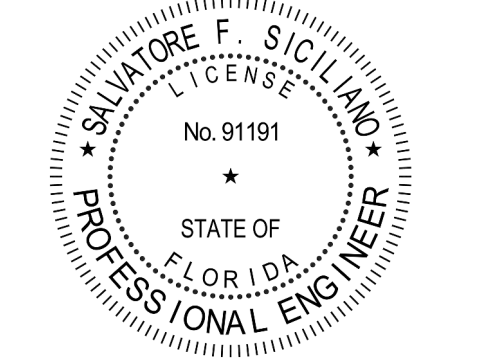
Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



www.cphcorp.com

**A Full Service
A & E Firm**

Plans Prepared By:
CPH, LLC.
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. A22500926
Lndscp. Lic. No. LC0000298



CHICK-FIL-A
CORAL SPRINGS
1341 N UNIVERSITY DR
CORAL SPRINGS, FL 33071

FSU#01877

BUILDING TYPE / SIZE: SRI 503 A
RELEASE: v2_20.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # C29142
PRINTED FOR PERMIT
DATE 09/18/2023
DRAWN BY JRH/OP

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET
HVAC SPECIFICATIONS

SHEET NUMBER

M-901

Autodesk Docs://FL_01877_Coral Springs_2020.10_REI/01877_MEC_Coral Springs Remodel-CPH.rvt
1/2/2024 9:51:55 AM
30-01877-M-901-HVAC SPECIFICATIONS

FIRE PROTECTION CONTRACTOR TO PROVIDE SIGNED/SEALED SHOP DRAWINGS FOR SEPARATE PERMIT.



Chick-Fil-A

Chick-Fil-A 5200 Buffington Road Atlanta, Georgia 30349-2998



A Full Service A & E Firm Plans Prepared By: CPH, LLC. Licenses: Eng. C.O.A. No. 3215 Survey L.B. No. 7143 Arch. Lic. No. A2300926 Lndspc. Lic. No. LC0000298

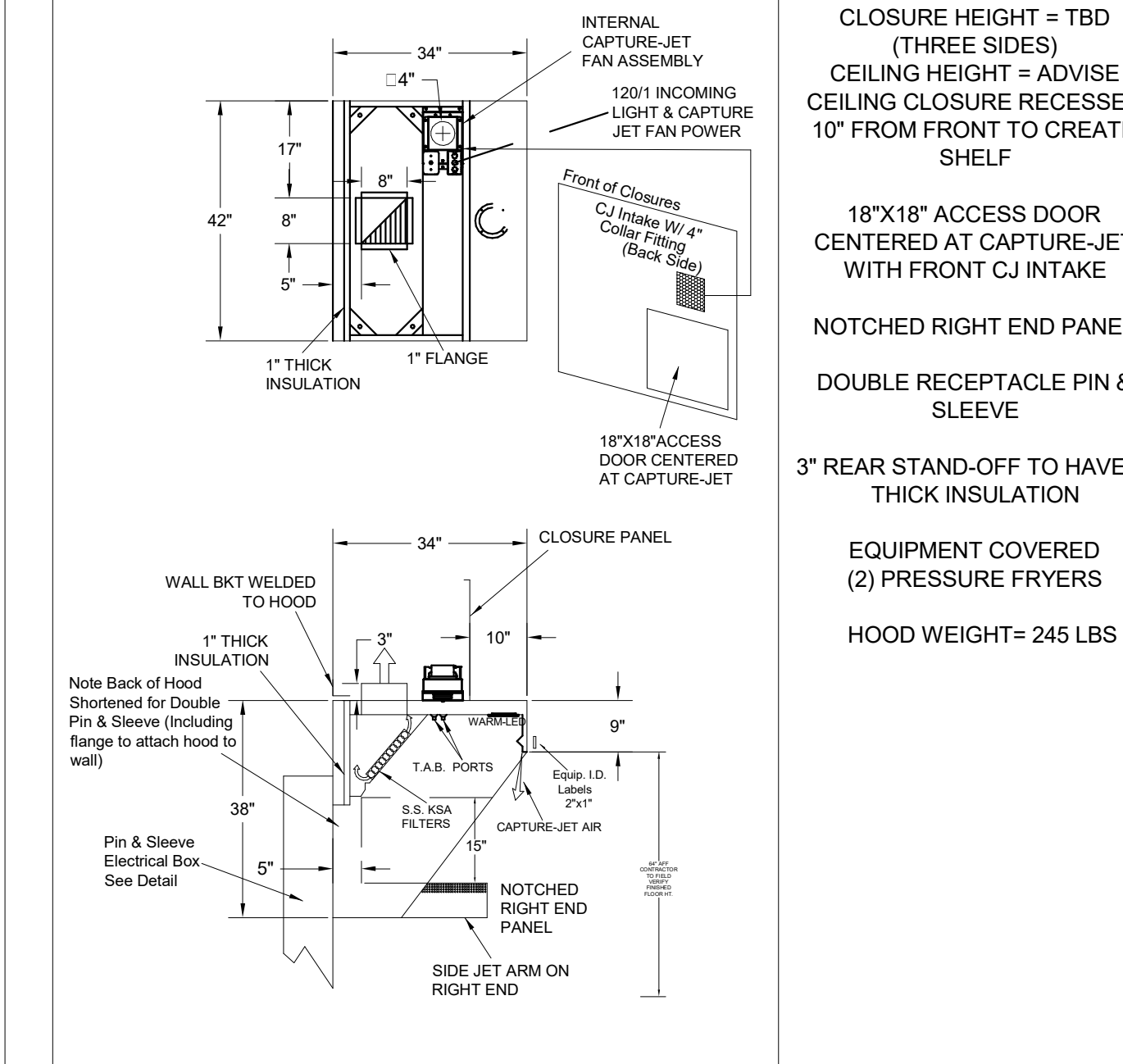
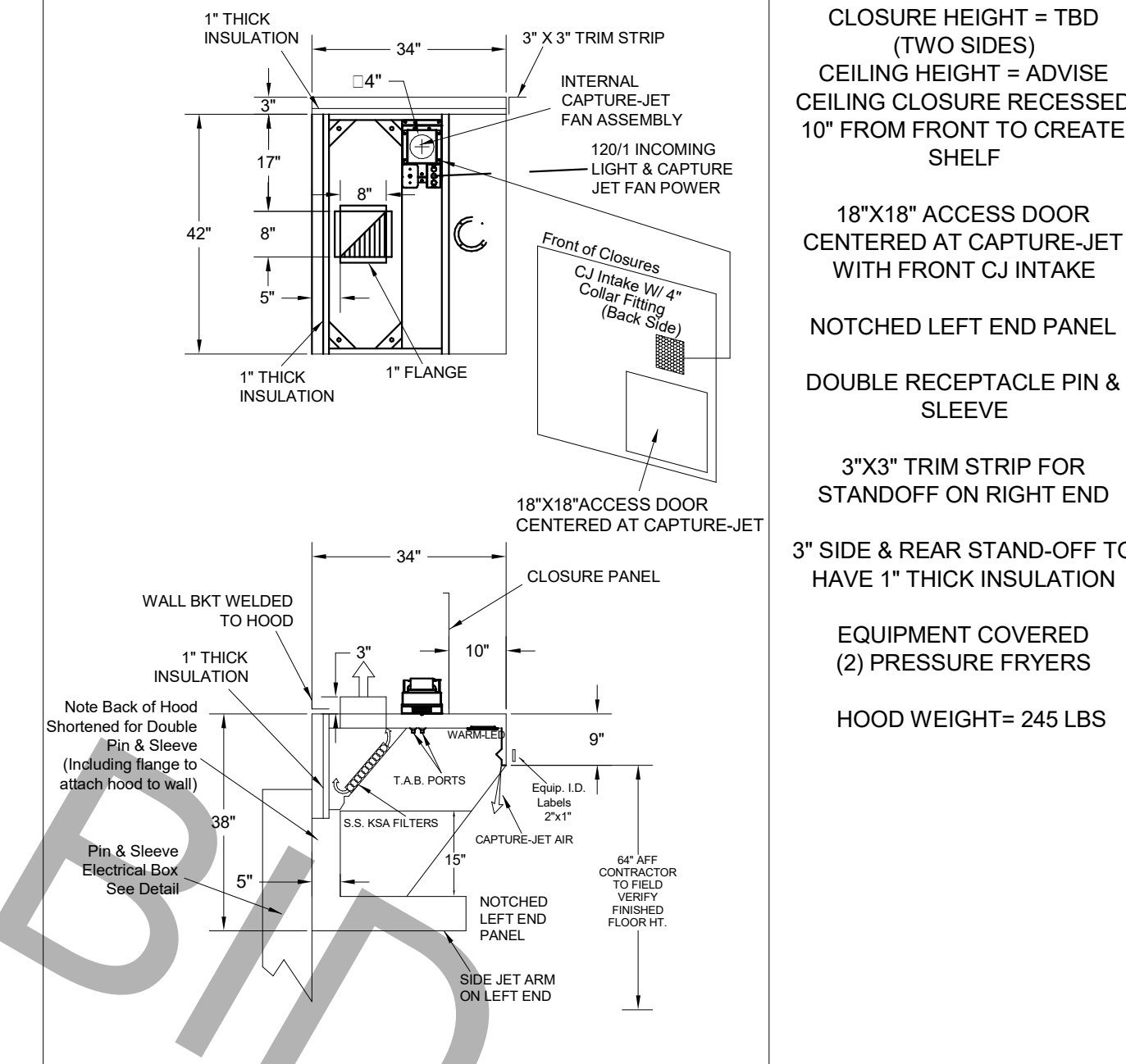
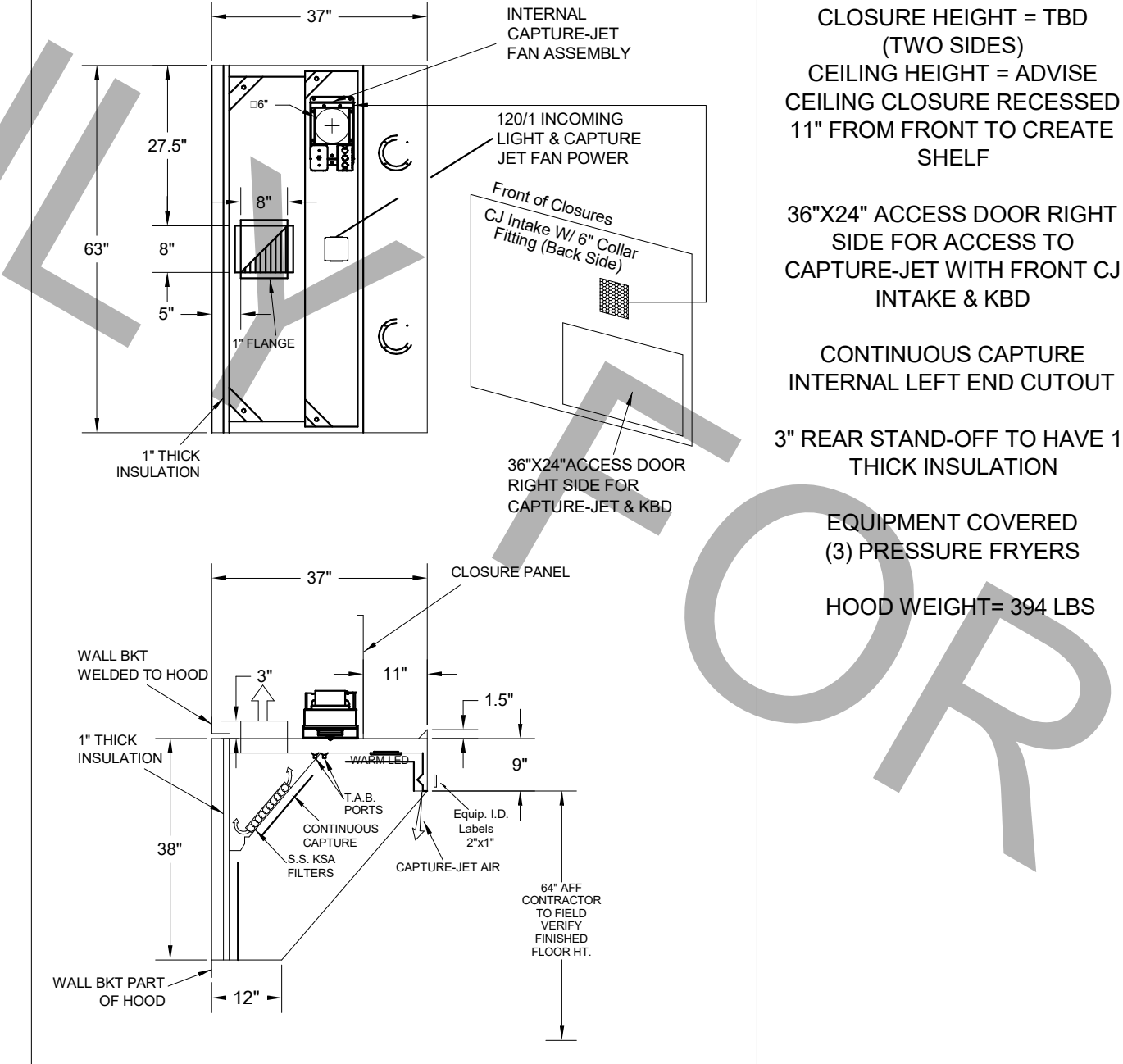
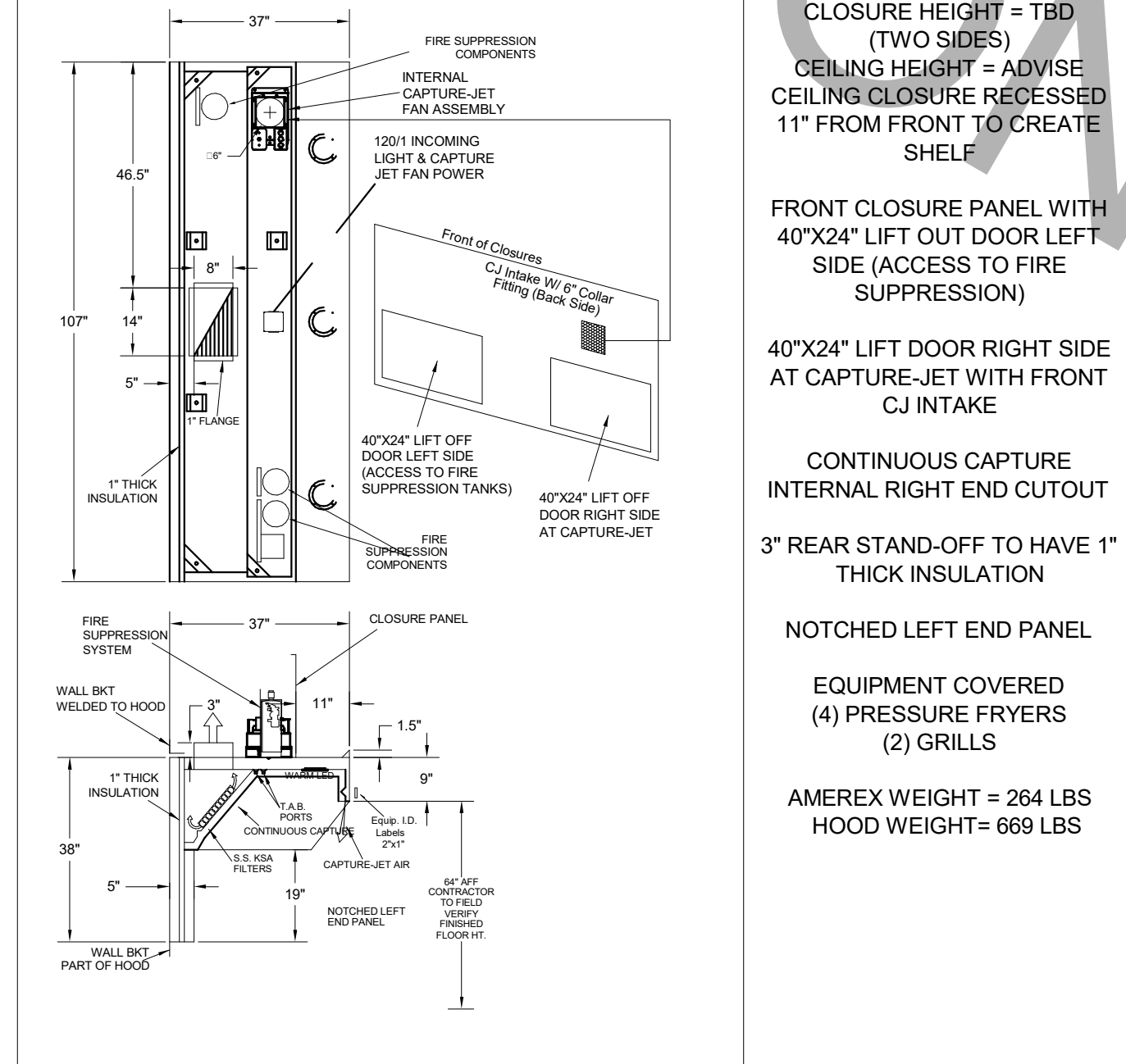
THE EQUIPMENT SHOWN ON THIS SHEET IS DESIGNED BY OTHERS NOT UNDER THE RESPONSIBLE CHARGE OF THE ENGINEER OF RECORD (EOR). THIS SHEET IS ISSUED FOR INFORMATION AND CLARIFICATION ONLY. EOR ACCEPTS NO RESPONSIBILITY FOR ANY OF THIS EQUIPMENT.

Halton MODEL: KVL-2-IC. SUBMITTED BY: HALTON CO. DATE: 09.11.23. DWG. NO.: U23-814-01. PROJECT: CHICK-FIL-A #1877. LOCATION: CORAL SPRINGS, FL. EXHAUST AIR INFORMATION: CFM 1248, TAB 0.13, SP 0.22. CAPTURE AIR INFORMATION: CFM 99, SP 0.30. K FACTOR EQUATION: CFM = K FACTOR * IDP. K FACTOR = 3365.

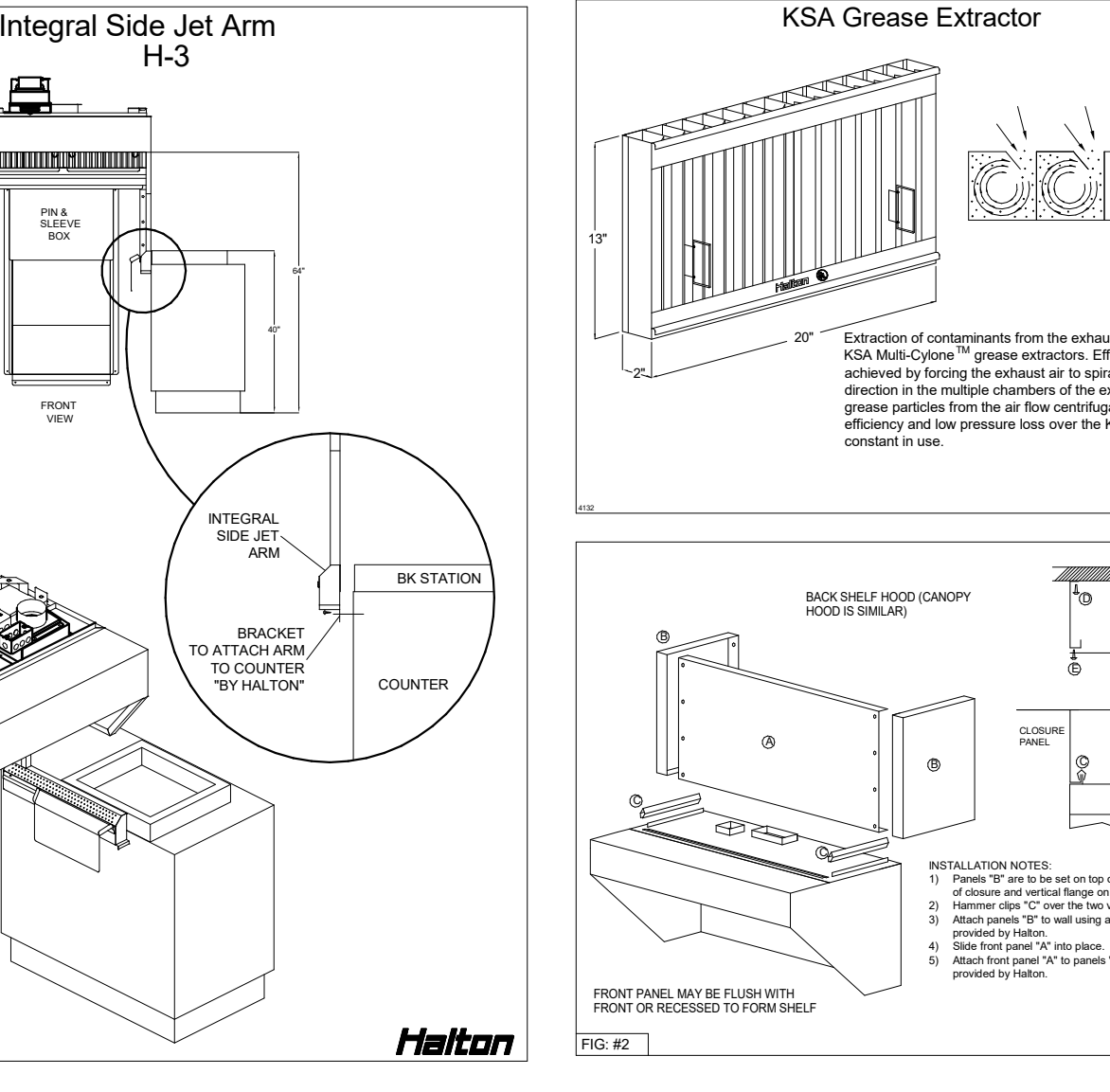
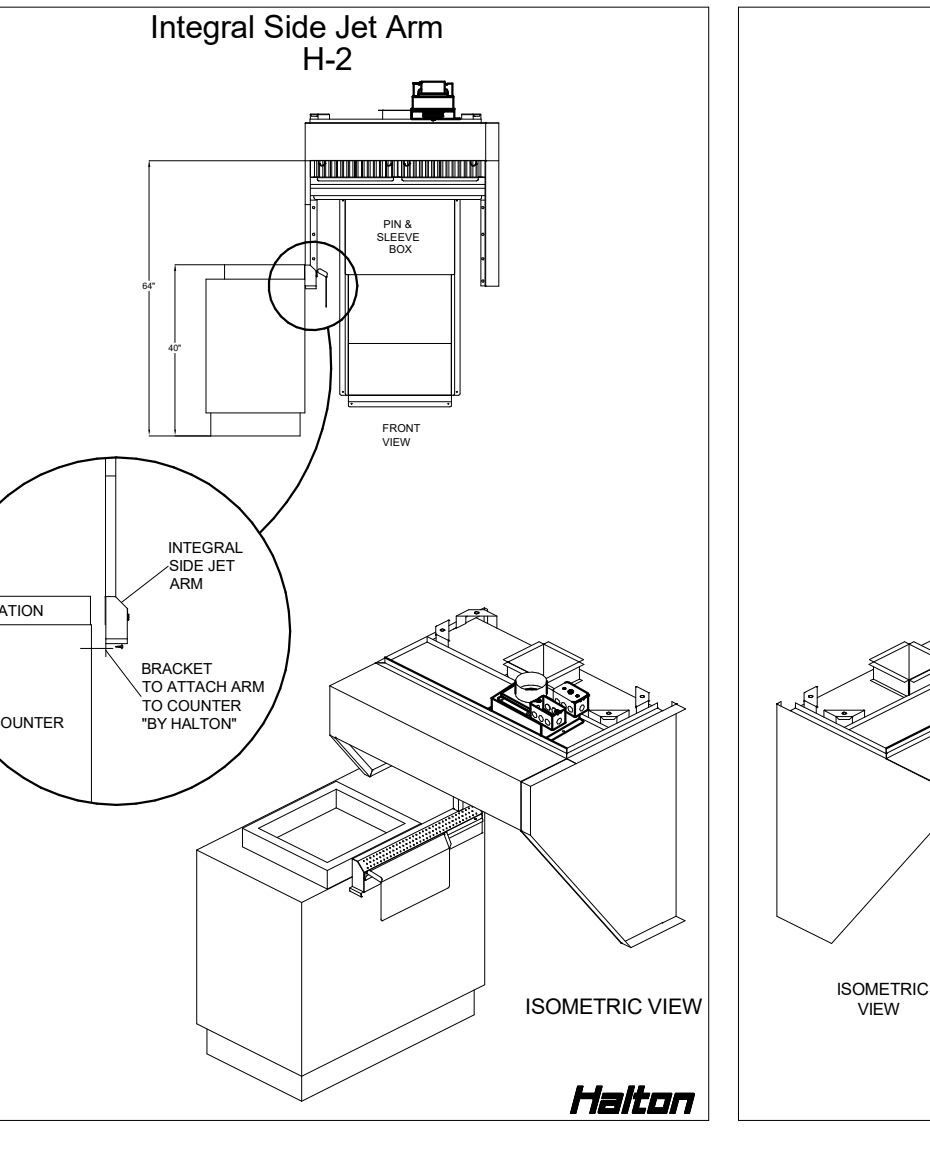
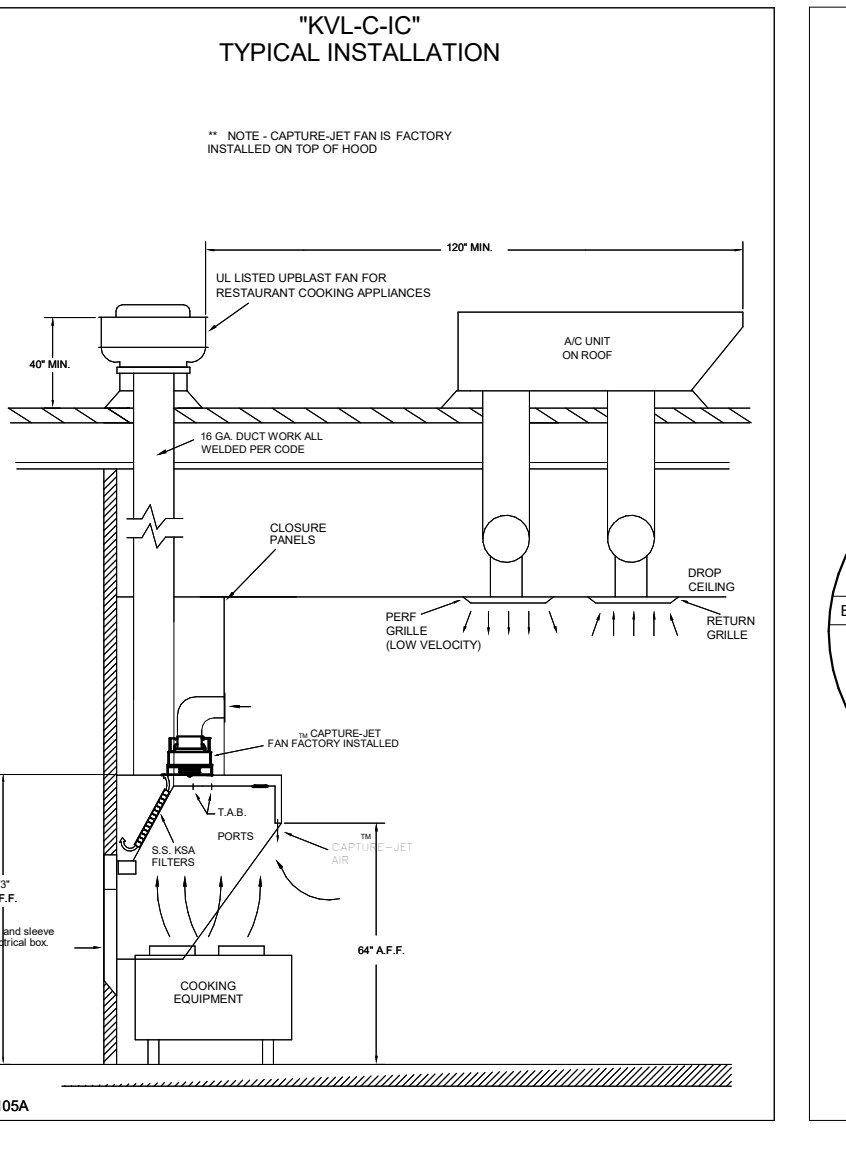
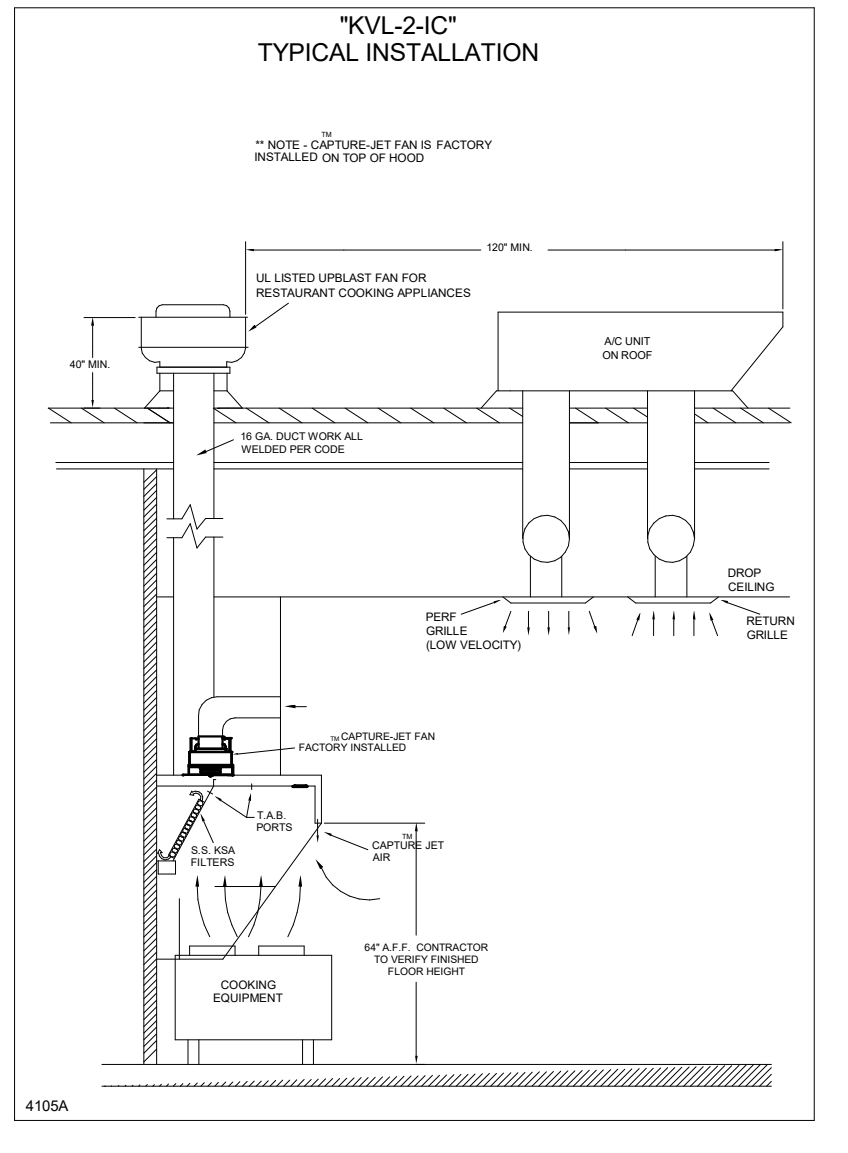
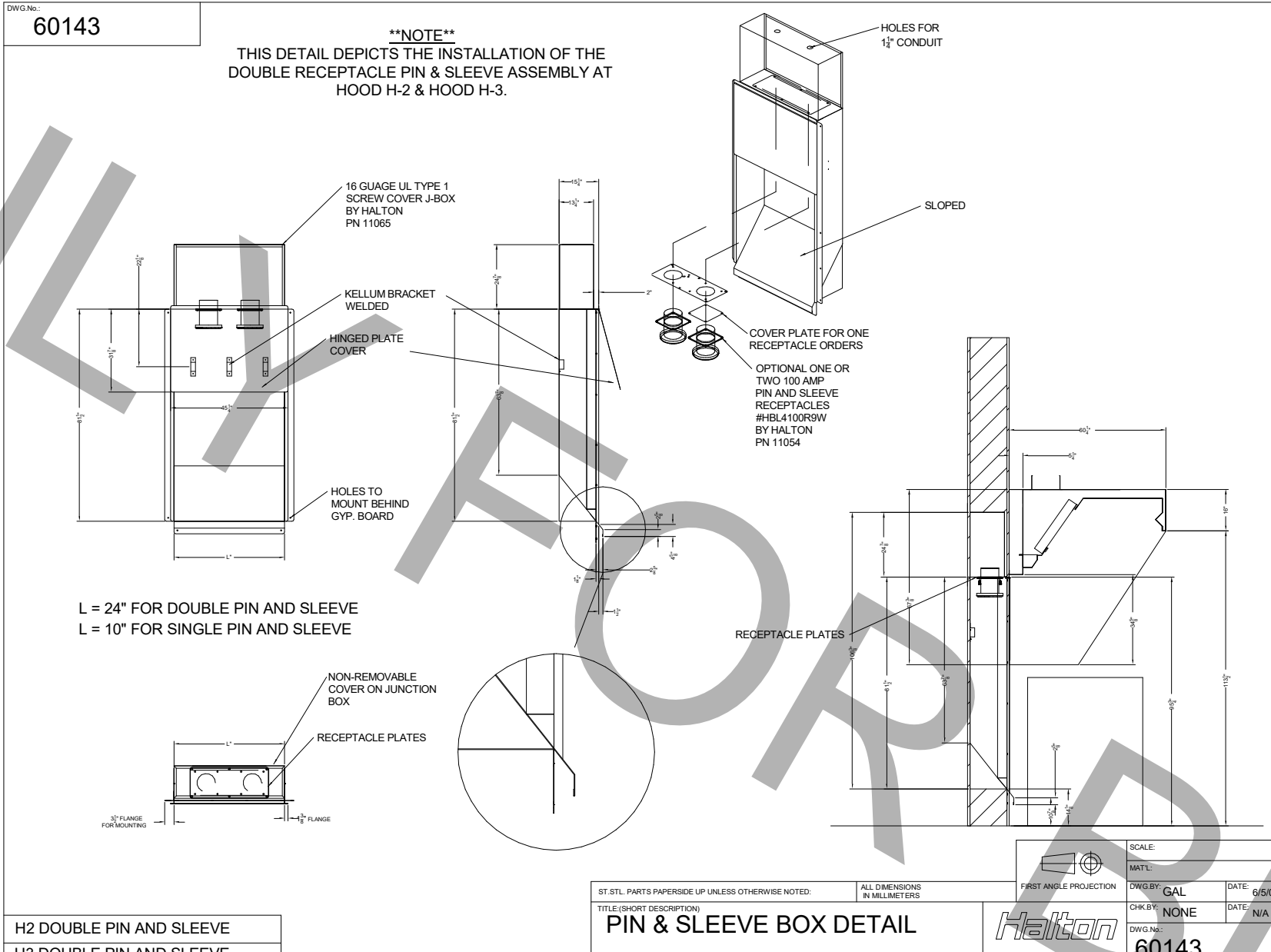
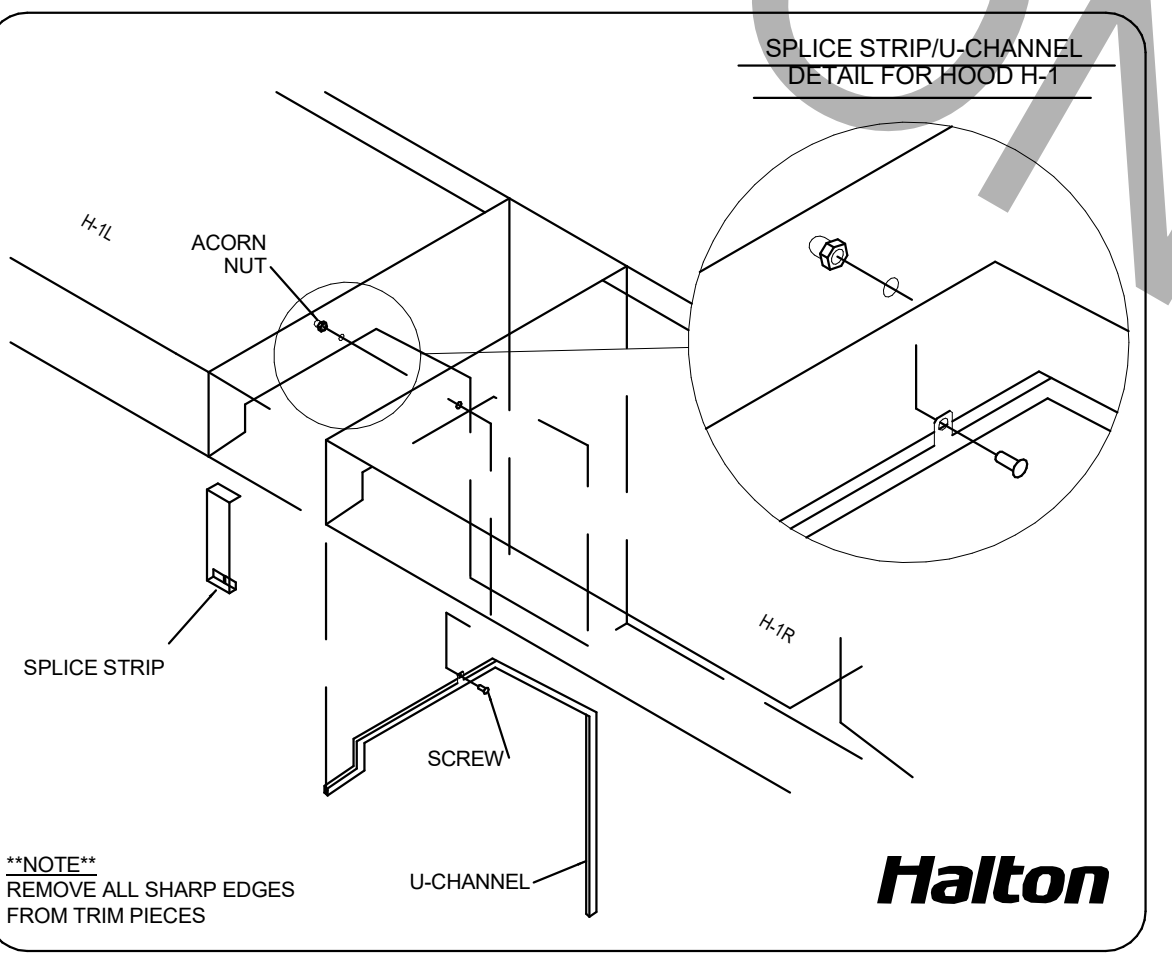
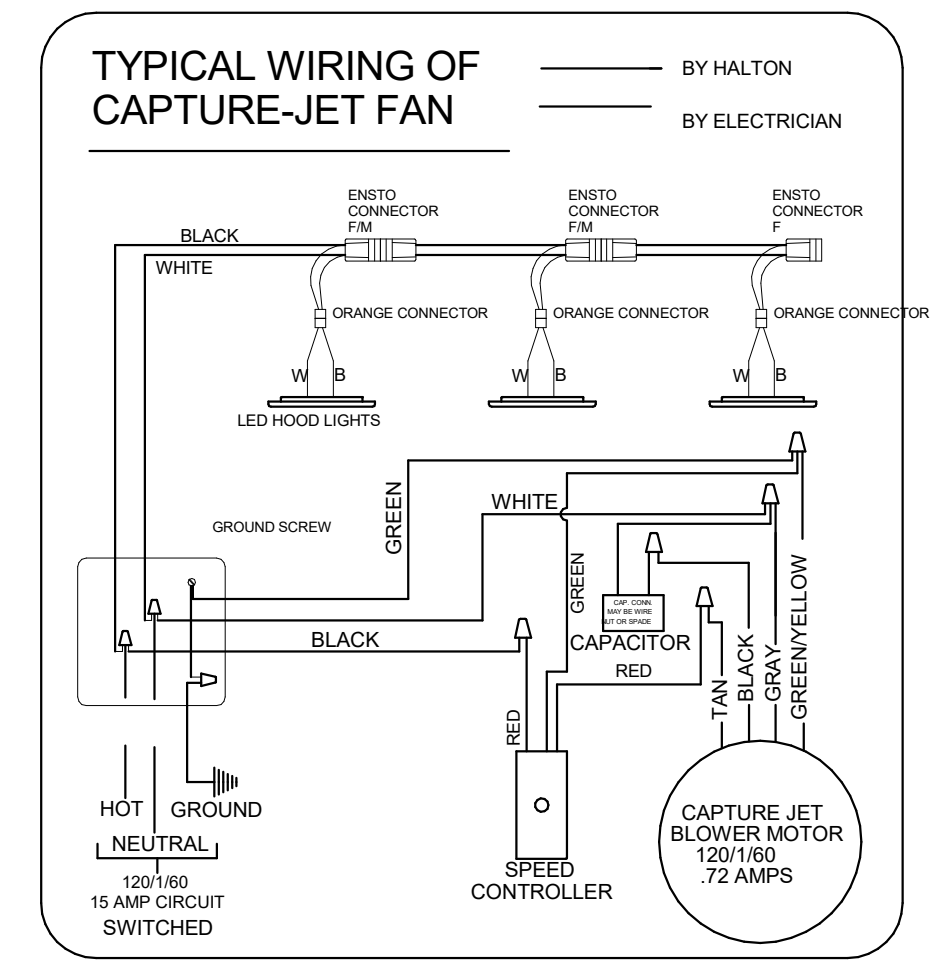
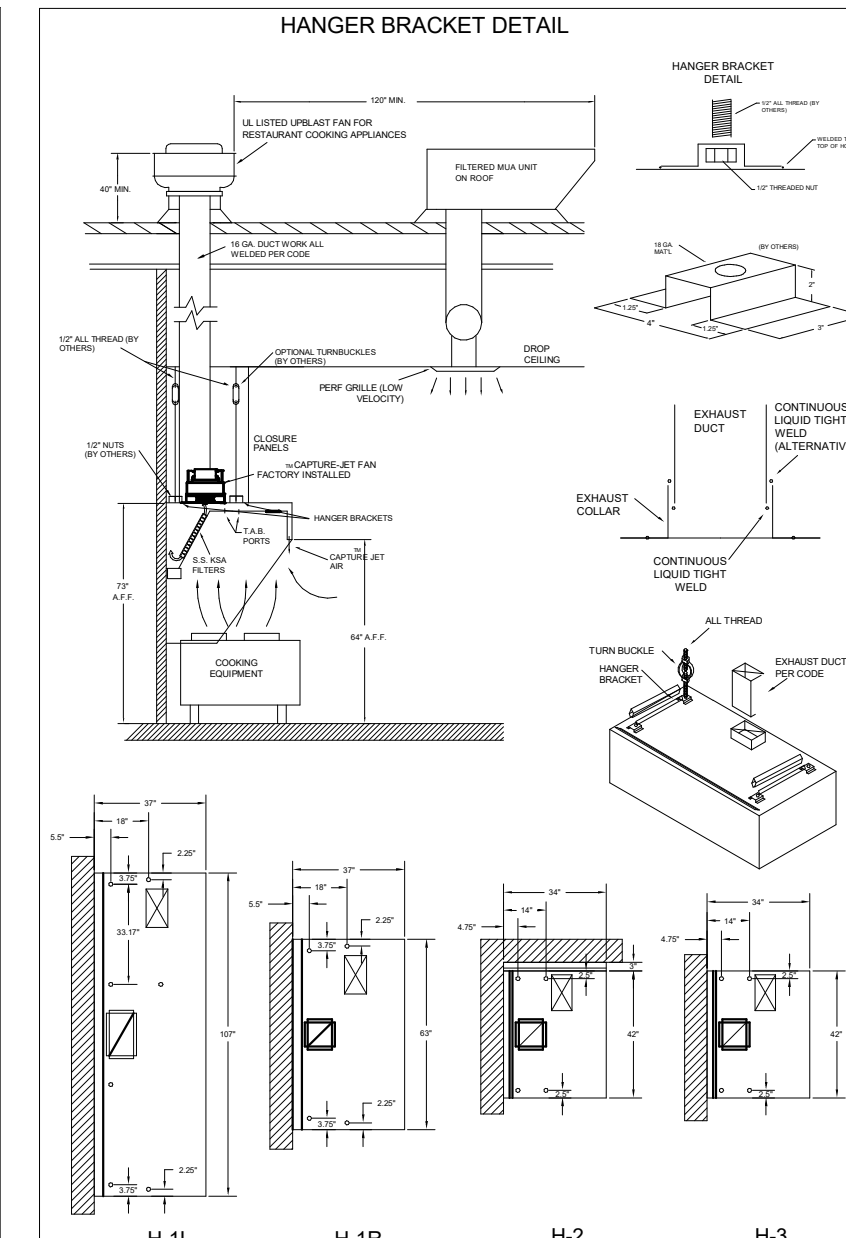
Halton MODEL: KVL-2-IC. SUBMITTED BY: HALTON CO. DATE: 09.11.23. DWG. NO.: U23-814-01. PROJECT: CHICK-FIL-A #1877. LOCATION: CORAL SPRINGS, FL. EXHAUST AIR INFORMATION: CFM 709, TAB 0.13, SP 0.23. CAPTURE AIR INFORMATION: CFM 47, SP 0.30. K FACTOR EQUATION: CFM = K FACTOR * IDP. K FACTOR = 1959.

Halton MODEL: KVL-C-IC. SUBMITTED BY: HALTON CO. DATE: 09.11.23. DWG. NO.: U23-814-01. PROJECT: CHICK-FIL-A #1877. LOCATION: CORAL SPRINGS, FL. EXHAUST AIR INFORMATION: CFM 701, TAB 0.30, SP 0.30. CAPTURE AIR INFORMATION: CFM 30, SP 0.29. K FACTOR EQUATION: CFM = K FACTOR * IDP. K FACTOR = 1291.

Halton MODEL: KVL-C-IC. SUBMITTED BY: HALTON CO. DATE: 09.11.23. DWG. NO.: U23-814-01. PROJECT: CHICK-FIL-A #1877. LOCATION: CORAL SPRINGS, FL. EXHAUST AIR INFORMATION: CFM 701, TAB 0.30, SP 0.30. CAPTURE AIR INFORMATION: CFM 30, SP 0.29. K FACTOR EQUATION: CFM = K FACTOR * IDP. K FACTOR = 1291.



MODEL: KBD KITCHEN BALANCING DAMPER EXHAUST VOLUME DAMPER. TAG: H-1L, H-1R, H-2, H-3. MATERIAL: FRAME - 16GA CONT. GALV. ADJUSTABLE PANEL 18GA S.S.



REVISIONS table with columns for REV, DATE, DESCRIPTION, and BY.

WEBSITE: www.halton.com HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSVILLE, KY 42164 1-270-237-5800

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW: HALTON CO. (CANADA) 1024 BREWIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301

PROJECT: CHICK-FIL-A #1877 CORAL SPRINGS LOCATION: CORAL SPRINGS, FL DRAWN BY: SKK DATE: 08.11.23 SCALE: NOT TO SCALE SHEET NO.: H-1.1

CHICK-FIL-A CORAL SPRINGS 1341 N UNIVERSITY DR CORAL SPRINGS, FL 33071

FSU#01877 BUILDING TYPE / SIZE: SRI 503 A RELEASE: v2.20.08

REVISION SCHEDULE NO. DATE DESCRIPTION 1 01-02-2024 PERMIT REV 1

CONSULTANT PROJECT # C29142 PRINTED FOR PERMIT DATE 09/18/2023 DRAWN BY JRH Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project registrars.

SHEET HALTON HOOD SHOP DRAWING SHEET NUMBER MH-101

Autodesk Docs://FL_01877_Coral Springs_2020.10_REI01877_MEC_Coral Springs Remodel-CPH.rvt 1/2/2024 9:51:56 AM 30-01877-MH-101-HALTON HOOD SHOP DRAWING

FIRE PROTECTION CONTRACTOR TO PROVIDE SIGNED/SEALED SHOP DRAWINGS FOR SEPARATE PERMIT.



Chick-fil-A
 Chick-fil-A
 5200 Buffington Road
 Atlanta, Georgia
 30349-2998



A Full Service A & E Firm
 Plans Prepared By:
CPH, LLC.
 Licenses:
 Eng. C.O.A. No. 3215
 Survey L.B. No. 7143
 Arch. Lic. No. A22500925
 Lndscp. Lic. No. LC0000298

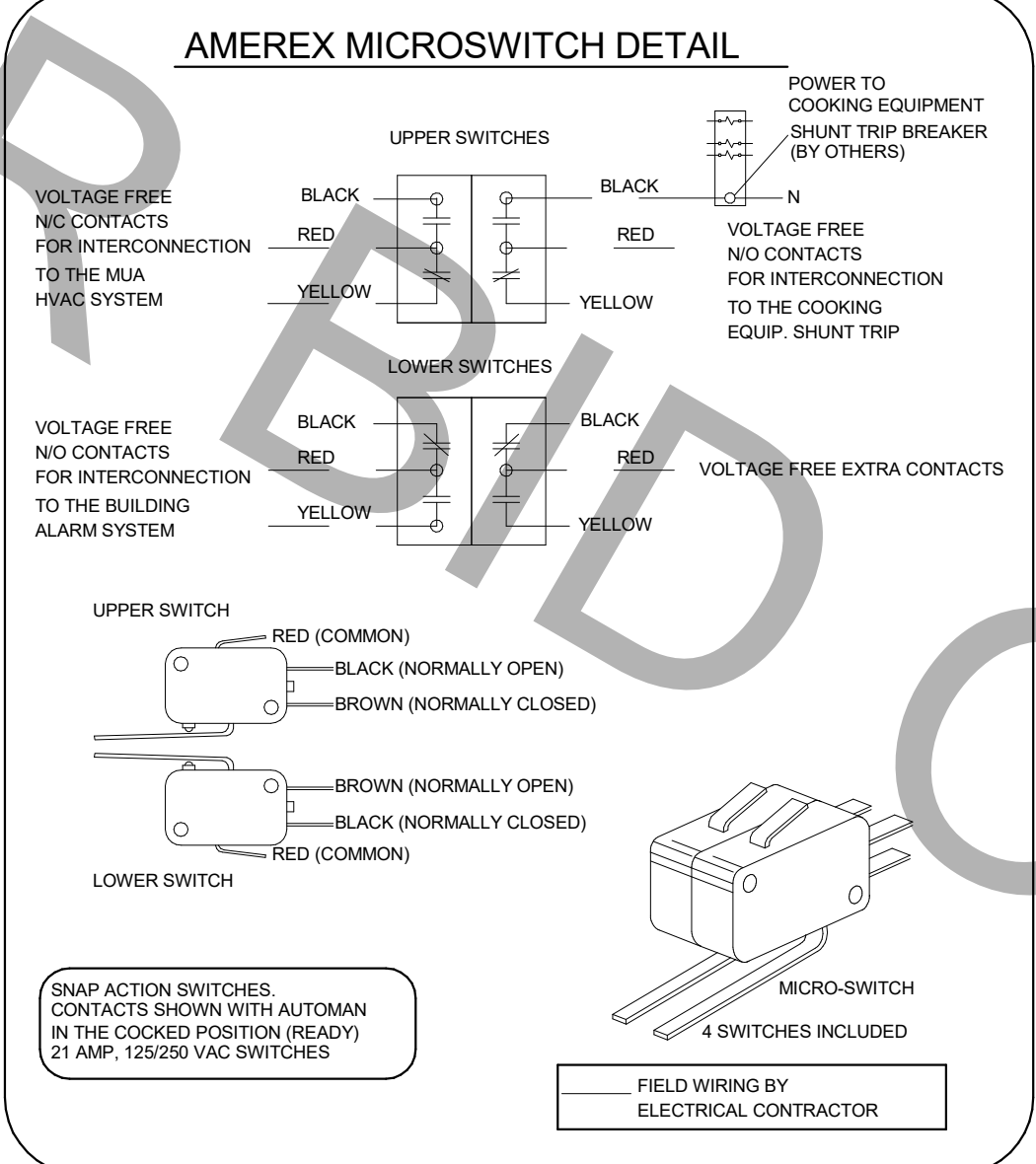
THE EQUIPMENT SHOWN ON THIS SHEET IS DESIGNED BY OTHERS NOT UNDER THE RESPONSIBLE CHARGE OF THE ENGINEER OF RECORD (EOR). THIS SHEET IS ISSUED FOR INFORMATION AND CLARIFICATION ONLY. EOR ACCEPTS NO RESPONSIBILITY FOR ANY OF THIS EQUIPMENT.

AMEREX

FIRE EXTINGUISHER

AMEREX	QTY
11238 5 LBS ABC MODEL B402	_____
11239 10 LBS ABC MODEL B456	_____
11240 6 LTR CLASS K MODEL C-260	_____

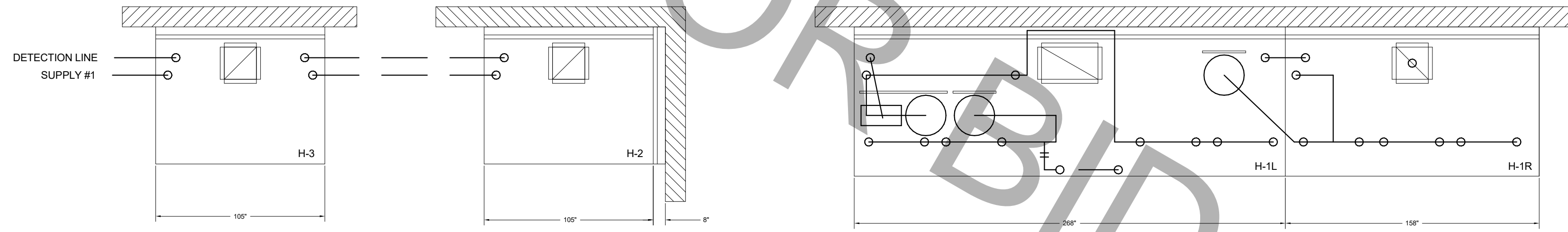
SUPPLIED BY
 HALTON



1/2" BLACK IRON SUPPLY LINE REQ'D FROM TANK TO FIRST BRANCH LINE FOR 475 TANKS ONLY!

****PROTECTS HOODS H-2 & H-3****

REMOTE MOUNTED:
 (1) SYSTEM ENCLOSURE W/
 (1) MECHANICAL RELEASE MODULE
 (1) KP475 AGENT CYLINDER (4.75 GALLON TANK)



FUSIBLE LINK RATINGS

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

AMEREX FIRE SYSTEM NOTES
 (1) KP375 & (2) KP475 TANK SYSTEM MOUNTED ON TOP OF (H-1L)
 MAXIMUM FLOW POINTS = 39

AMEREX FIRE SYSTEM NOTES
 (1) KP475 TANK SYSTEM REMOTE MOUNTED
 MAXIMUM FLOW POINTS = 14

ITEM	QTY	DESCRIPTION	FLOW PTS (TOTAL)
16416	4	DUCT NOZZLES	4
11982	4	PLENUM NOZZLES	4
11982	8	APPLIANCE NOZZLES	8
14178	2	APPLIANCE NOZZLES	4
13729	14	APPLIANCE NOZZLES	28
TOTAL FLOW POINTS			48

ITEM	QTY	DESCRIPTION
12508-P001	10	DETECTORS BRACKET ASSEMBLY
13334	1	KP375 AGENT CYLINDER
17379	3	KP475 AGENT CYLINDER
18001	1	MECHANICAL RELEASE MODULE W/ DOUBLE POLE MICRO SWITCH
25851	1	SYSTEM ENCLOSURE W/ DOUBLE POLE MICRO SWITCH
21481	2	REMOTE MANUAL PULL STATION

- AMEREX 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 AMEREX INSTALLER
 - REMOTE PULL STATION LOCATED PER MECHANICAL DRAWINGS

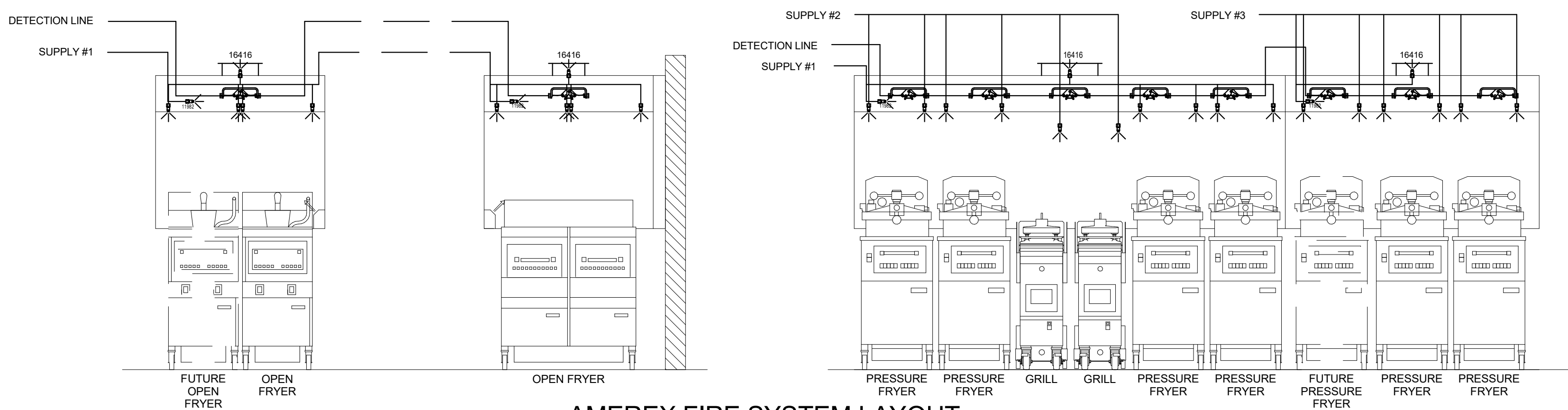
AMEREX FIRE SYSTEM
 A) (1) KP475 TANKS - 14 FLOW POINTS (REMOTE MOUNTED) (FOR HOOD H-2 & H-3)
 B) 3/8" BLACK IRON PIPING W/ 3/8" S.S. APPLIANCE DROPS

NOZZLE	QTY	DESCRIPTION
16416	1 EA.	DUCT NOZZLES
11982	1 PER 10'	PLENUM NOZZLES
11982	2 PER FRYER	ALL OPEN FRYERS
13729	2 PER FRYER	ALL PRESSURE FRYERS
14178	1 PER GRILL	ALL GRILLS
ALL APPLIANCE NOZZLES WITH SWIVELS		

(1) MECHANICAL RELEASE MODULE (MOUNTED IN MECHANICAL REL. MODULE)
 (1) 3.75 GALLON TANK
 (2) 4.75 GALLON TANKS

* SEE ELEVATION VIEW FOR FIRE SYSTEM DESIGN.

AMEREX FIRE SYSTEM
 A) (1) KP375 TANK - 11 FLOW POINTS (2) KP475 TANKS - 14 FLOW POINTS (MOUNTED ON HOOD H-1L)
 (FOR HOODS H-1L & H-1R)
 B) 1/2" & 3/8" BLACK IRON PIPING W/ 3/8" S.S. APPLIANCE DROPS

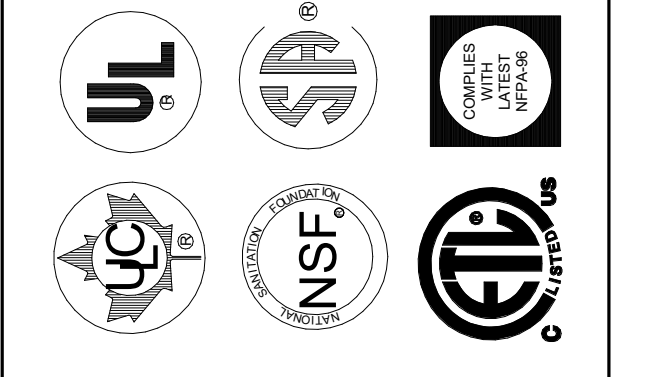


THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
 1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS
 2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER
 ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT CHANGES OCCUR, A RE-CALCULATION EXHAUST AIR FLOW MAY BE REQUIRED.

REUSE AND RESUBMIT
 WITH NO CHANGES
 WITH CHANGES AS NOTED

APPROVED FOR FABRICATION
 DATE _____



WEBSITE: www.halton.com
 HALTON CO. (USA)
 100 INDUSTRIAL DRIVE
 SCOTTSVILLE, KY 40454
 TEL: 1-270-237-5800

HALTON CO. (CANADA)
 100 INDUSTRIAL DRIVE
 MISSISSAUGA, ONT. L4W 3R7
 TEL: 1-905-624-0301

REV.	DATE	DESCRIPTION
1	08/11/23	NOT TO SCALE
2		
3		
4		
5		
6		

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

PROJECT: CHICK-FIL-A #1877
 CORAL SPRINGS
 CORAL SPRINGS

LOCATION: CORAL SPRINGS, FL
 DRAWN BY: SKK
 SCALE: NOT TO SCALE

DATE: 08/11/23

Halton

DRAWING NO.: U23-814-02
 SHEET NO.: H-1.2

CHICK-FIL-A
 CORAL SPRINGS
 1341 N UNIVERSITY DR
 CORAL SPRINGS, FL 33071

FSU#01877
 BUILDING TYPE / SIZE: SRI 503 A
 RELEASE: v2_20.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	01-02-2024	PERMIT REV 1

CONSULTANT PROJECT # C29142
 PRINTED FOR PERMIT
 DATE 09/18/2023
 DRAWN BY JRH

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from the project representatives.

SHEET HALTON HOOD SHOP DRAWING
 SHEET NUMBER MH-102