

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 M-3. 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 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/EMERGENCY 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 M-3 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.
- 6 EXISTING AIR CURTAIN TO REMAIN. CLEAN & REFURBISH TO "LIKE NEW" CONDITION. FIELD VERIFY EXISTING AIR CURTAIN CONDITION AND LOCATION.
- 7 STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 SENSOR ANALOX-AY60. 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. 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.
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- 10 CONTRACTOR TO INSTALL OVERFLOW SWITCH INSIDE ROOFTOP UNIT DRAIN PAN ON DOWNFLOW 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 M-3 AND LENNOX SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM ON SHEET M-4.2. SEE ADDED BOXED NOTE SHEET M-3.1 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 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.
- 15 SEE ELEVATION ON M-2 FOR CJ 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 ACH1, 5'-6" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PRIOR TO BID AND CONSTRUCTION.
- 18 PROVIDE NEW KITCHEN HOOD EXHAUST FAN REPLACING THE EXISTING FAN THROUGH THE EXISTING ROOF OPENING.
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- 22 NEW FAN WITH NEW CURB LOCATION SHOWN ON PLAN LOCATED 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.

HVAC GENERAL NOTES

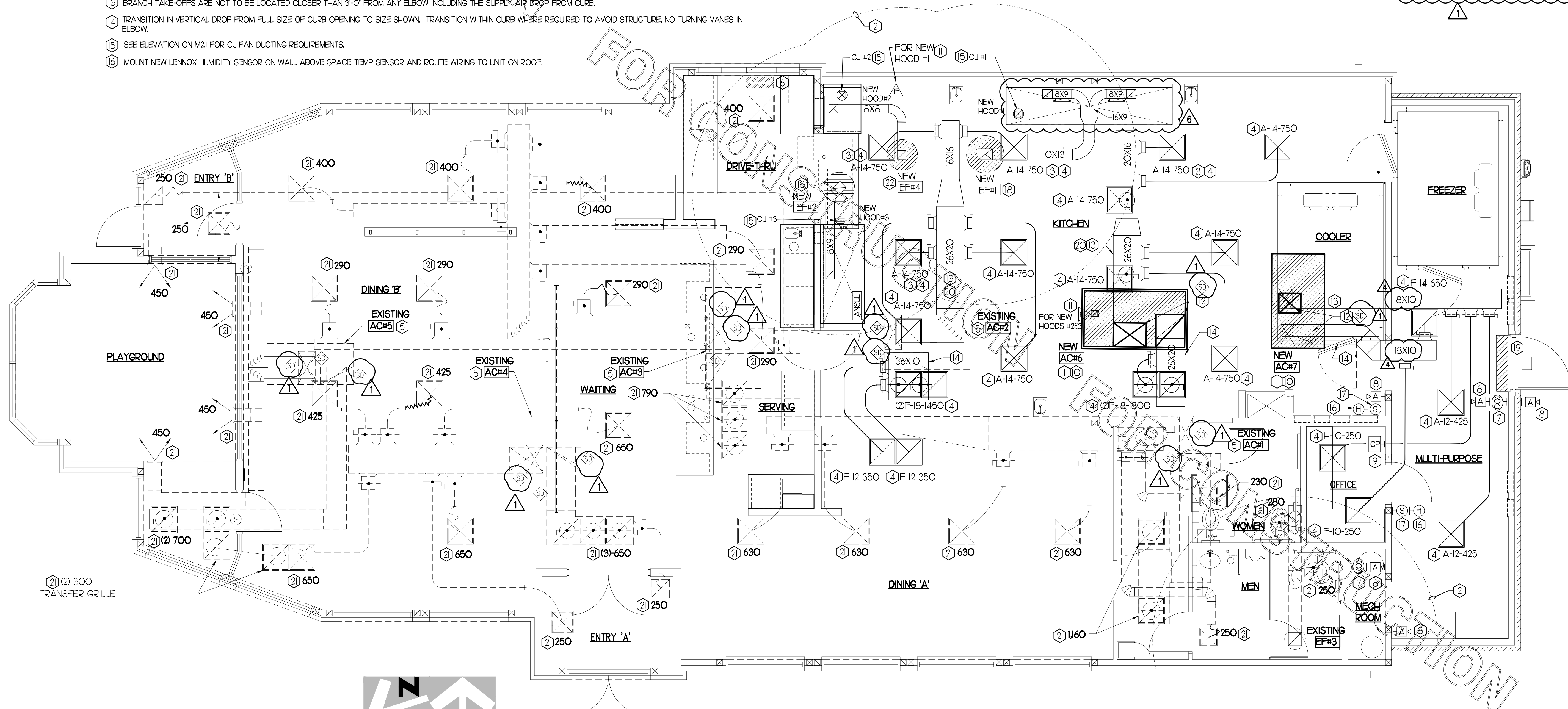
1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
2. MECHANICAL CONTRACTOR SHALL BALANCE HVAC SYSTEM AS SHOWN ON THE PLAN & RTU SCHEDULE ON SHEET M-3.1. IF AIR FLOWS DIFFER BY MORE THAN 5%, CONTACT CFA CONSTRUCTION MANAGER.
3. NO PIPING OR DUCTWORK 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 & 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.
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 UL STANDARD 710, BUILT PER NFPA 96 SECTION 4.2.2, AND NSF LISTED.

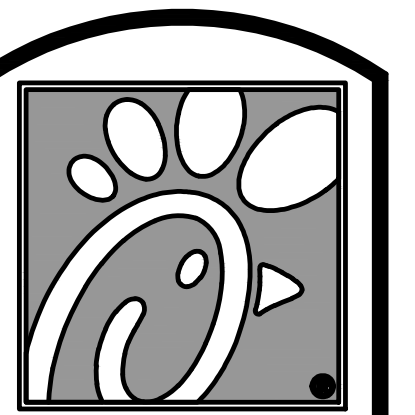
NOTE: IF BALANCING DAMPERS ARE NOT EXISTING IN THE BRANCH DUCT OR AT THE TAKE-OFF, MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL NEW BALANCING DAMPERS WITHIN THE BRANCH DUCT (TYPICAL).

NOTE: VERIFY THAT EXISTING RTUS RETURN AND SUPPLY HAVE SMOKE DETECTORS. IF NOT, PROVIDE SMOKE DETECTORS FOR RTUS.

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



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



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

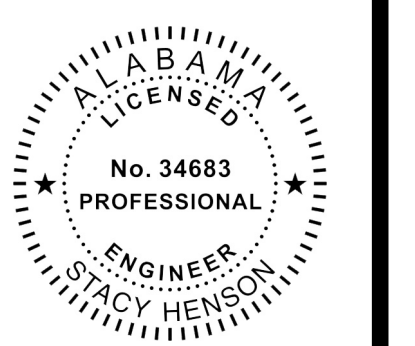
Revisions:
Mark Date By
2 09.11.18 CH
HEALTH COMMENTS

4 02.19.19 NJF
PRE-BID NOTES

6 03/26/19 CH
COORDINATION

REVISIONS

SEAL



INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

604 COURTLAND STREET SUITE 100
ORLANDO, FLORIDA 32834
PH 407.645.5008
FX 407.629.9124

STORE
TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

SHEET TITLE
MECHANICAL
FLOOR PLAN

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.0177
Store : 1143
Date : 06.2018
Drawn By : NJF/CH
Checked By : JL

Sheet

M-1.1

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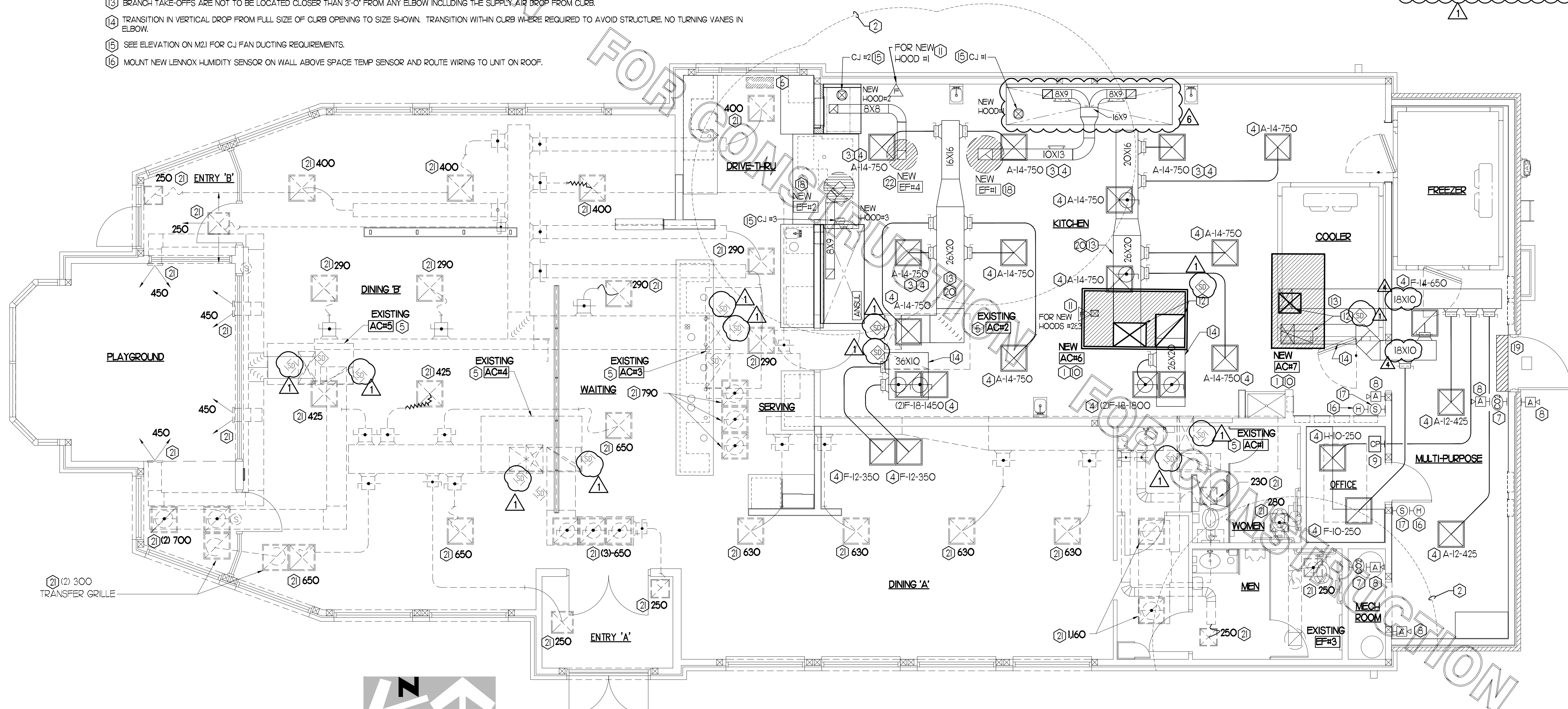
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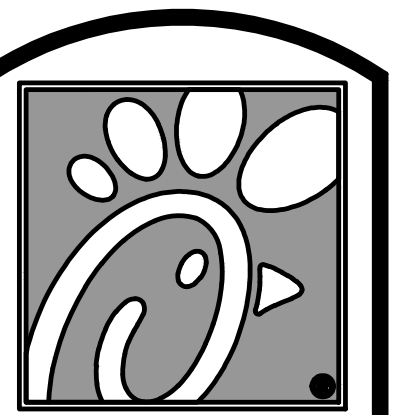
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MECHANICAL FLOOR PLAN
1/4" = 1'-0"
TRUE NORTH PROJECT NORTH

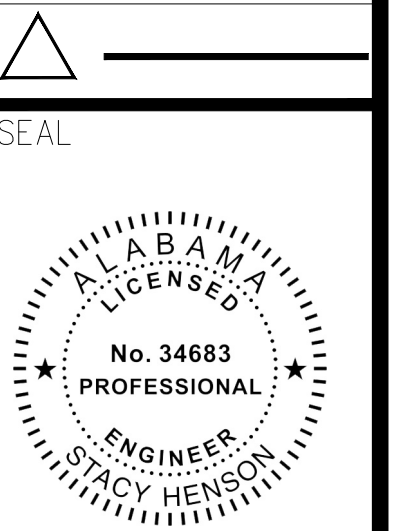


5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
2	09.11.18	CH
HEALTH COMMENTS		
4	02.19.19	NJF
PRE-BID NOTES		
6	03/26/19	CH
COORDINATION		

REVISIONS



INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

604 COURTLAND STREET SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

STORE
TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

SHEET TITLE
MECHANICAL
FLOOR PLAN

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.0177
Store : 1143
Date : 06.2018
Drawn By : NJF/CH
Checked By : JL

Sheet
M-11

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	INPUT	OUTPUT	STAGES	SUPPLY	O.A.	IP				ESP	VOLT/PHASE	MCA	MOCP				
EXISTING AC#1	8.5	DINING A	-	-	-	-	-	3,000	680	-	-	-	-	-	23.0%	-	-	-	15	-	-
EXISTING AC#2	12.5	KITCHEN	-	-	-	-	-	4,500	900	-	-	-	-	20.0%	-	-	-	15	-	-	
EXISTING AC#3	8.5	N. DINING B	-	-	-	-	-	3,300	680	-	-	-	-	21.0%	-	-	-	15	-	-	
EXISTING AC#4	7.5	S. DINING B	-	-	-	-	-	2,800	600	-	-	-	-	21.0%	-	-	-	15	-	-	
EXISTING AC#5	5	PLAYGROUND	-	-	-	-	-	1,800	400	-	-	-	-	22.0%	-	-	-	15	-	-	
NEW AC#6	12.5	KITCHEN	149.0	118.8	240.0	192.0	2	4,500	900	5	.85	-	LENNOX / LG-450H	-	20.0%	208/3/60	61	80	23,46,7,8,9,10,11,12,14	1,551 LBS	
NEW AC#7	3.0	MULTI-PURPOSE	35.8	27.6	65.0	52.0	1	1,100	200	5	.65	-	LENNOX/LG-HO36H4E	127 EER/18.0 SEER	17.0%	208/3/60	23	30	23,46,7,8,9,10,11,12,13,14	796 LBS	

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

- PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
- PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST.
- PROVIDE NEW 14" HIGH ROOF CURB.
- SEE DETAIL M4.2 FOR SETTING OF PRODIGY M3 AND MI-8 IMC BOARD CONTROL/ECTO PARAMETERS BY MC.
- PROVIDE FACTORY INSTALLED AND UNIT POWERED 115V GFI SERVICE OUTLET.
- PROVIDE FACTORY INSTALLED 115V GFI SERVICE OUTLET.
- PROVIDE FACTORY INSTALLED SUPPLY AND RETURN SIDE SMOKE DETECTOR.
- PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
- PROVIDE 2" MERV 8 THROW AWAY FILTERS.
- PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
- ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL AS RECOMMENDED BY MANUFACTURER.
- PROVIDE FACTORY COIL HAIL GUARD, FIELD INSTALLED.
- PROVIDE UNIT WITH MSAV BLOWER.
- PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR (STATES OF CA AND AZ EXCLUDED).
- EXISTING UNIT TO REMAIN.
- PROVIDE FACTORY INSTALLED BELT TENSIONER.

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, & 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	1700	.65	964	4,164	1/2	NEW HOOD#1	165VB	LOREN COOK	123,4,5,6
NEW EF-2	804	.75	1,220	4,790	1/3	NEW HOOD#3	150VH4B	LOREN COOK	123,4,5,6
EXISTING EF-3	590	-	-	-	-	RESTROOMS	-	-	7
NEW EF-4	701	.75	1,238	4,861	1/3	NEW HOOD#2	150VH4B	LOREN COOK	123,4,5,6

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-FL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE FAN/CLUB PACKAGE. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CLUB PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-35-HO10 FOR PRICING AND AVAILABILITY. FANS AND CLUBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

- PROVIDE FACTORY I-O 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 G2 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.

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	REQD OSA AC-6	REQD OSA AC-7	
RR VESTIBULE	57	0	5.00	0.06	3.4		3.4							
MENS RR	95	0	0.00	0.00	0.0	50/70								
WOMENS RR	108	0	0.00	0.00	0.0	50/70								
WH. CLO.	24	0	0.00	0.00	0.0									
DINING A	518	48	7.50	0.18	453.2		453.2							
KITCHEN	510	8	7.50	0.18	151.8			151.8						
DRIVE THRU	246	2	7.50	0.18	59.3				59.3					
SERVING AREA	26	4	7.50	0.18	68.9				68.9					
WAITING AREA	276	0	5.00	0.06	166				166					
DINING B 1	378	27	7.50	0.18	270.5				270.5					
ENTRY 'B'	50	0	5.00	0.06	3.0				3.0					
DINING B 2	420	41	7.50	0.18	383.1					383.1				
ENTRY 'A'	72	0	5.00	0.06	4.3				4.3					
PLAY AREA	0	1	5.00	0.06	5.0						6.0			
KITCHEN	510	8	7.50	0.18	151.8						151.8			
OFFICE	49	1	5.00	0.06	7.9								8.0	
MULTI-PURPOSE	191	0	5.00	0.06	11.5								11.5	
TOTALS							100/140	456.60	151.80	418.30	387.40	6.00	151.80	19.50
								750	1,200	545	755	300	1200	180

OUTSIDE AIR BASED ON THE 2017 FLORIDA MECHANICAL CODE & PER ASHRAE 62H-2007 MINIMUM VENTILATION RATES.

AIR DOOR SCHEDULE

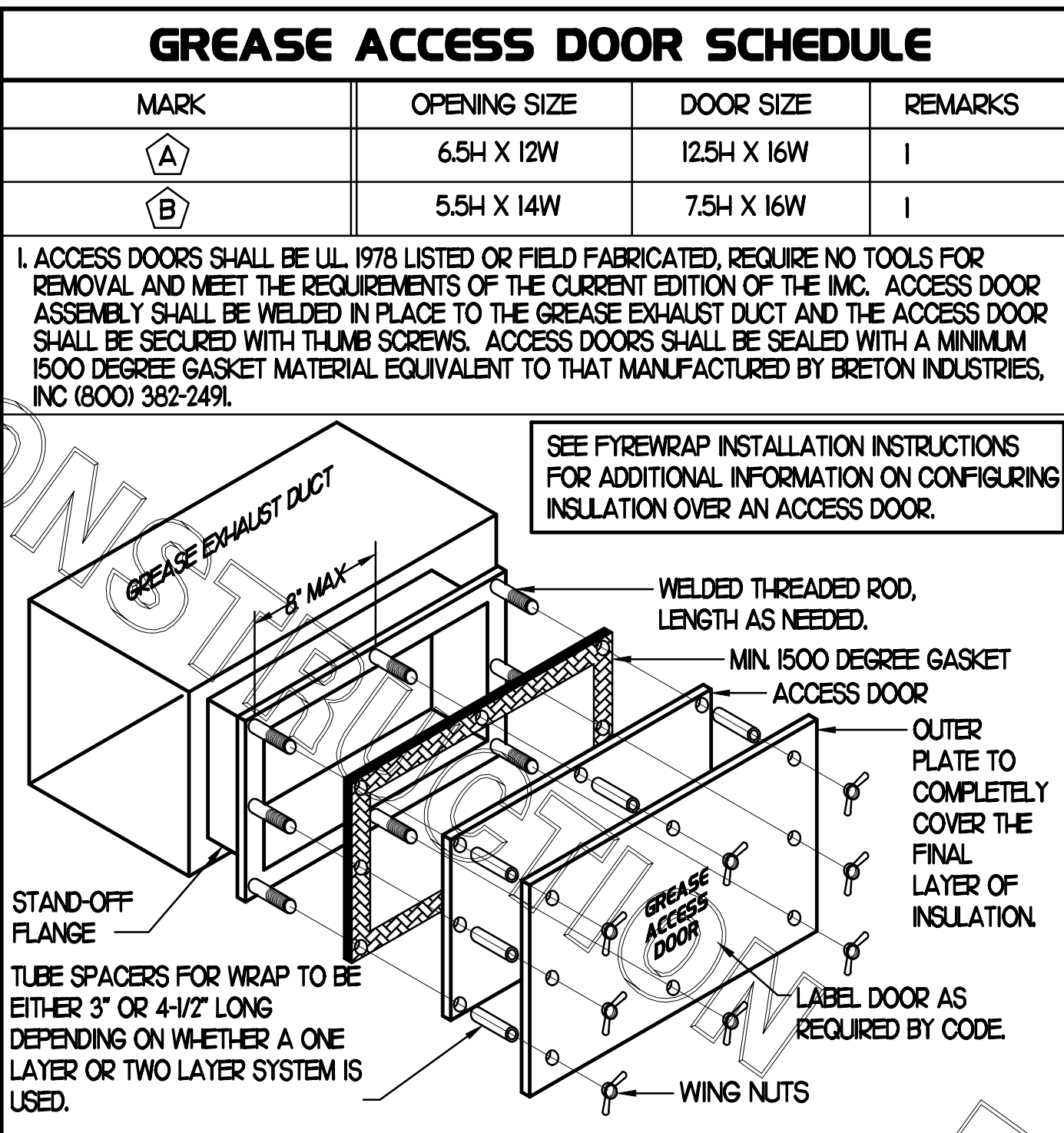
MARK	CFM	VELOCITY	HEATING CAP	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
AD#1	3,867	4,218	NA	3/4	REAR DOOR	RBT-1-48	POWERED-AIR	1

NOTES

- CHICK-FL-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 404-35-HO10, FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

- FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.



AIR DEVICE SCHEDULE

MARK	DESCRIPTION	LOCATION	NECK SIZE	FACE SIZE	FRAME TYPE	REMARKS
A	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	DINING AREA KITCHEN	SEE PLAN	24X24	LAY-IN	1,8
C	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	ENTRYS	14X14	20X20	BEVELLED	1,3,5,7
D	PRICE MODEL 22 DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE FRONT BLADE PARALLEL TO SHORT SIDE.	MECHANICAL ROOM	8X6	10X8	SURFACE	1
E	PRICE MODEL 22 DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE FRONT BLADE PARALLEL TO LONG SIDE.	PLAYAREA	16X10	16X12	SURFACE	1
F	PRICE MODEL 80 EGGRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	DINING/OFFICE KITCHEN	SEE PLAN	24X24	LAY-IN	1,8
G	PRICE MODEL 21 ALUMINUM SIDEWALL RETURN GRILLE, FRONT BLADE PARALLEL TO LONG SIDE.	MECHANICAL ROOM	8X6	10X8	SURFACE	1
H	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	OFFICE	12	24X24	LAY-IN	1,6,8
J	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10X10	16X16	BEVELLED	1,2,3,5,7
K	PRICE MODEL APDR ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOMS ENTRYS	14X14	17X17	SURFACE	1,4,5,7

NOTES

- MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-35-HO10, 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 VCR7 NECK DAMPER ON GRILLES IN RESTROOMS.
- PROVIDE BACKPAN MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
- PROVIDE VCR7 NECK DAMPER, ADJUSTABLE THRU DIFFUSER FACE.
- FIELD INSULATE BACKPAN AS SHOWN ON DETAIL IAH-1.
- FACTORY INSULATED R-6 BACKPAN.

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 1 AIR DUCT

STANDARD CODES

NFPA 90A AND 90B, BOCA, SEBC

HLD/1/HA, MIN PROPERTY STD.

FLAME SPREAD...LESS THAN 25

SMOKE DEVELOPE...LESS THAN 50

MIN R8.0 FOR ATTIC/UNCONDITION SPACE

MIN R6.0 FOR RETURN CONDITIONED SPACE.

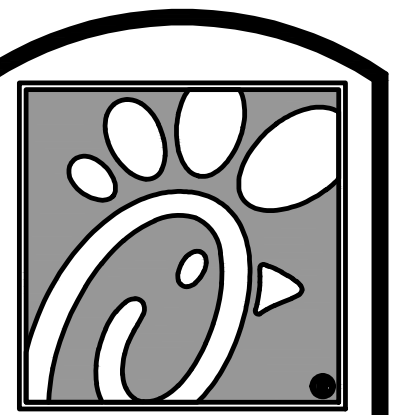
MANUFACTURER IS TO BE USED AS A BASIS FOR DESIGN. EQUAL IS APPROVED.

KITCHEN PRESSURIZATION

RETURN AIR FROM SIDE DINING BACK TO KITCHEN	+700
EXISTING AC-2 OA (125 TON)-20% OA	+900
NEW AC-6 OA (125 TON)-20% OA	+900
NEW EF-1 KITCHEN HOOD	-700
NEW EF-2 KITCHEN HOOD	-701
NEW EF-3 KITCHEN HOOD	-804
TOTAL	-705

DINING PRESSURIZATION

EXISTING AC-1 OA (85 TON)-23% OA	+680
EXISTING AC-3 OA (85 TON)-21% OA	+680
EXISTING AC-4 OA (75 TON)-26% OA	+600
EXISTING AC-5 OA (6 TON)-17% OA	+400
NEW AC-7 OA (3 TON)-16% OA	+200
EXISTING EF-3 RESTROOM EXHAUST	-530
RETURN AIR FROM SIDE DINING BACK TO KITCHEN	-700
BUILDING POSITIVE PRESSURE TOTAL	+1330
BUILDING POSITIVE PRESSURE	+625



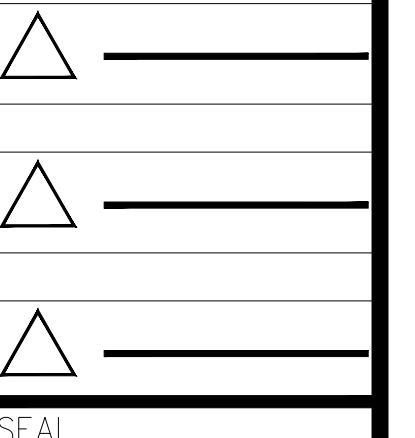
Chick-Fl-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
2	09.11.18	CH

HEALTH COMMENTS



INTERPLAN

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

604 COURTLAND STREET
SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

STORE

TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

SHEET TITLE
MECHANICAL
SCHEDULES

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.0177
Store : 1143
Date : 06.2018
Drawn By : CH/NUF
Checked By : JL

Sheet

M-3.I

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 FIBREWRAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FIBREWRAP PRODUCT USED SHALL MEET LOCAL CODE REQUIREMENTS.
9. SUPPORT HOOD#2, HOOD#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#1	1700	0.22	113 * 0.30"	CANOPY	9'X8"	151	37	38	HALTON	KVL-2	I
NEW HOOD#2	701	0.26	30 * 0.29"	BACK-SHELVE	8'X8"	42	34	38	HALTON	KVL-C	I
NEW HOOD#3	804	0.31	68 * 0.28"	BACK-SHELVE	9'X8"	90	40	48	HALTON	KVM	I
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-HI & M-HI.2 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-HI) FOR INFORMATION ON CAPTURE JET FAN.

CLEANOUT DOOR NOTE

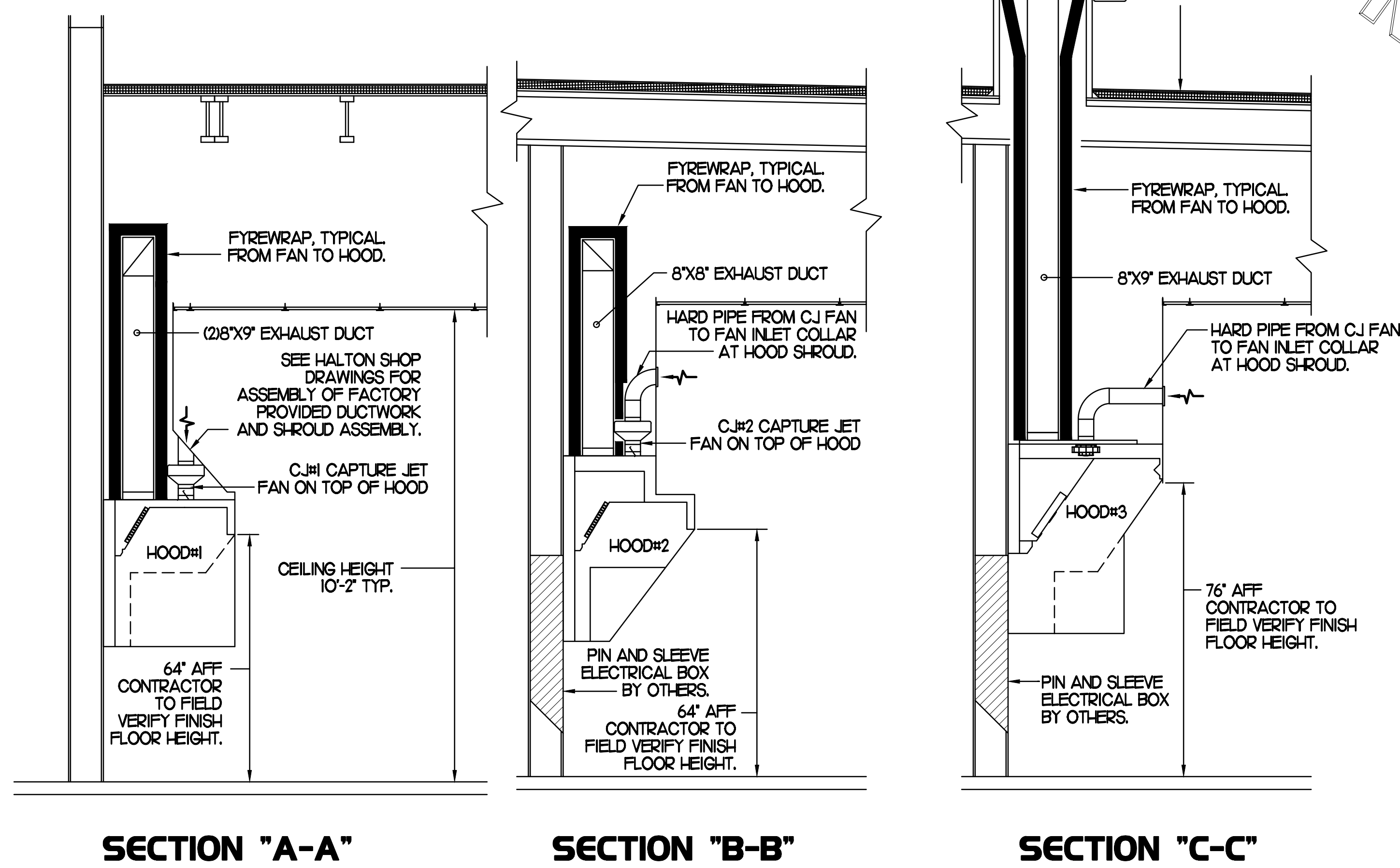
DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS, NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

HOOD ELEVATION NOTE

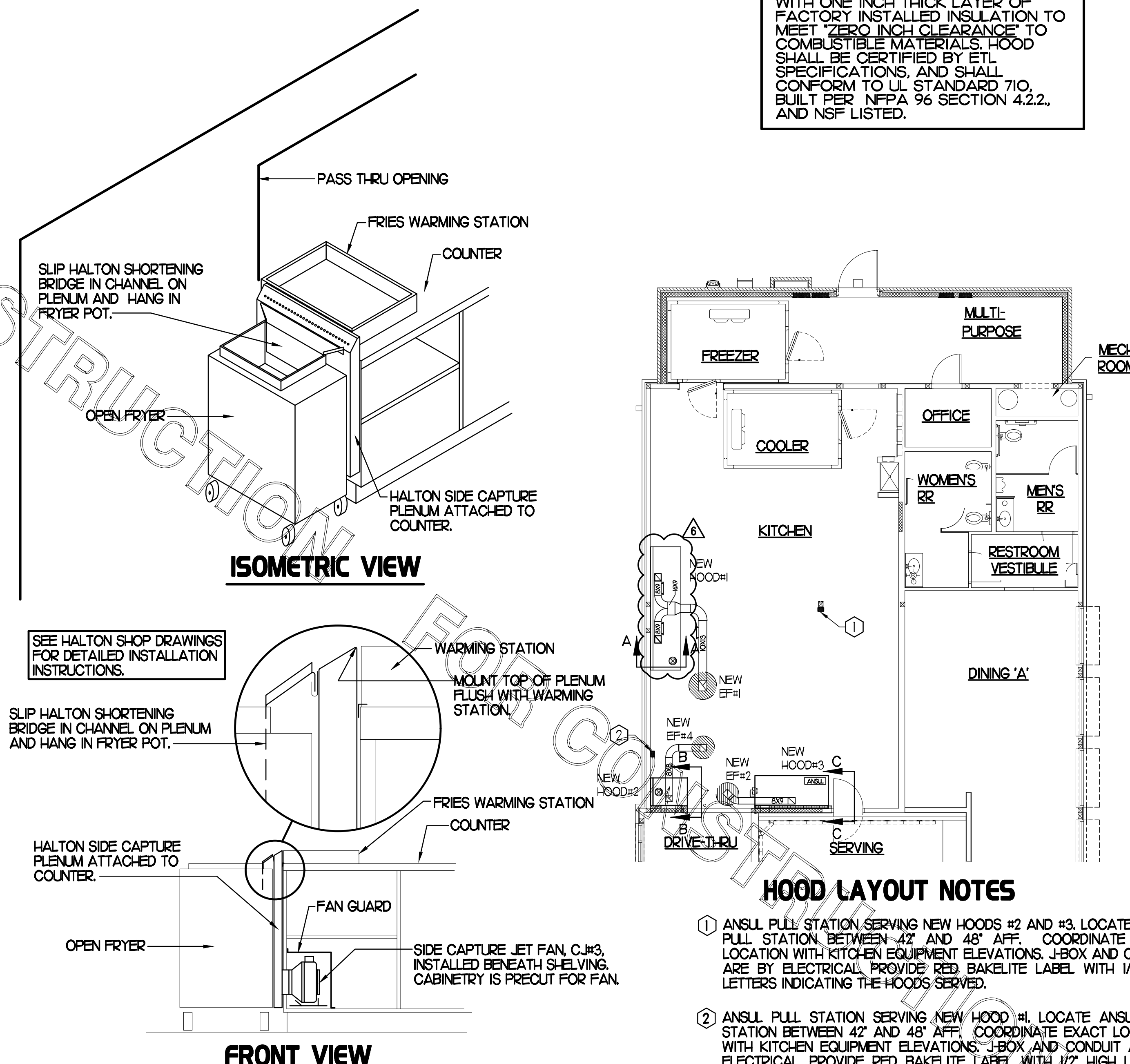
HOOD ELEVATIONS ON THIS SHEET ONLY SERVE ILLUSTRATIVE PURPOSES. SEE DETAILS ON HALTON SHOP DRAWINGS ON SHEET M-HI FOR DETAILS ON STANDOFFS, CLEARANCES, AND HOOD CONSTRUCTION.

NOTE:

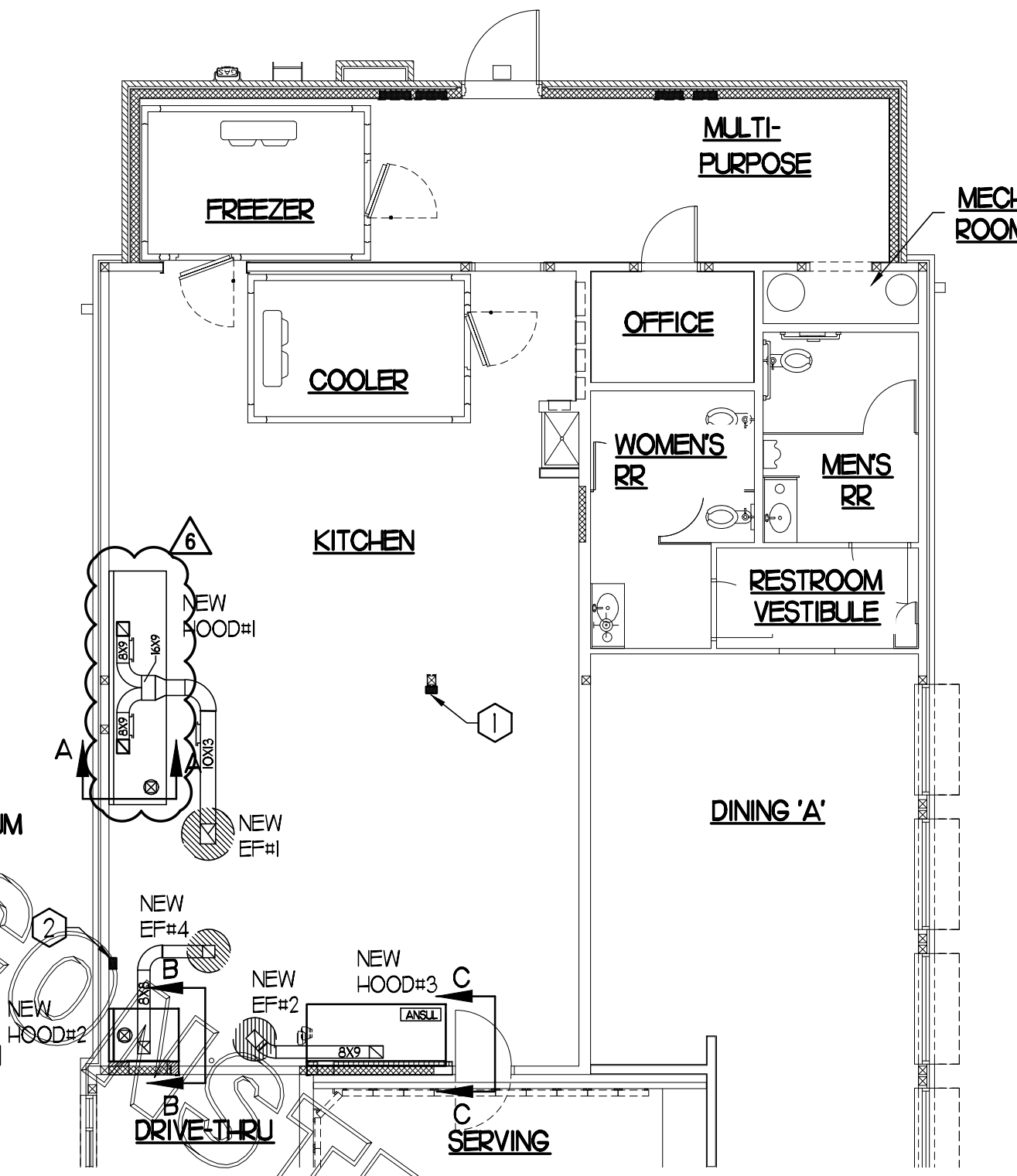
ALL NEW HOODS SHALL BE RATED WITH ONE INCH THICK LAYER OF FACTORY INSTALLED INSULATION TO MEET "ZERO INCH CLEARANCE" TO COMBUSTIBLE MATERIALS. HOOD SHALL BE CERTIFIED BY ETL SPECIFICATIONS, AND SHALL CONFORM TO UL STANDARD 710, BUILT PER NFPA 96 SECTION 4.2.2., AND NSF LISTED.



3 HOOD ELEVATIONS
NONE



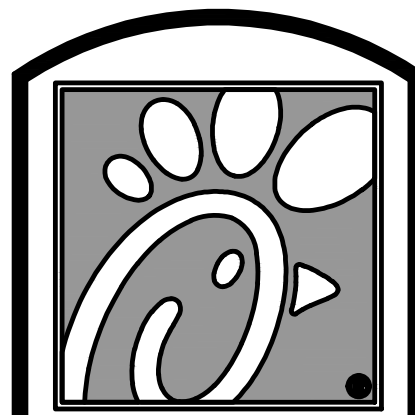
2 HALTON SIDE CAPTURE JET PLENUM
NOT TO SCALE



HOOD LAYOUT NOTES

1. 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.
2. ANSUL PULL STATION SERVING NEW HOOD #1. 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

6 03/26/19 CH
COORDINATION

REVISIONS

△
△
△

SEAL



INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

604 COURTLAND STREET
SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

STORE
TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

SHEET TITLE
MECHANICAL
DETAILS
& SCHEDULES

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.0177

Store : 1143

Date : 06.2018

Drawn By : NJF/CH

Checked By : JL

Sheet

M-2.I

KITCHEN HOOD SYSTEMS NOTES

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- 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 FIBREWRAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FIBREWRAP PRODUCT USED SHALL MEET LOCAL CODE REQUIREMENTS.
- SUPPORT HOOD#2, HOOD#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
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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

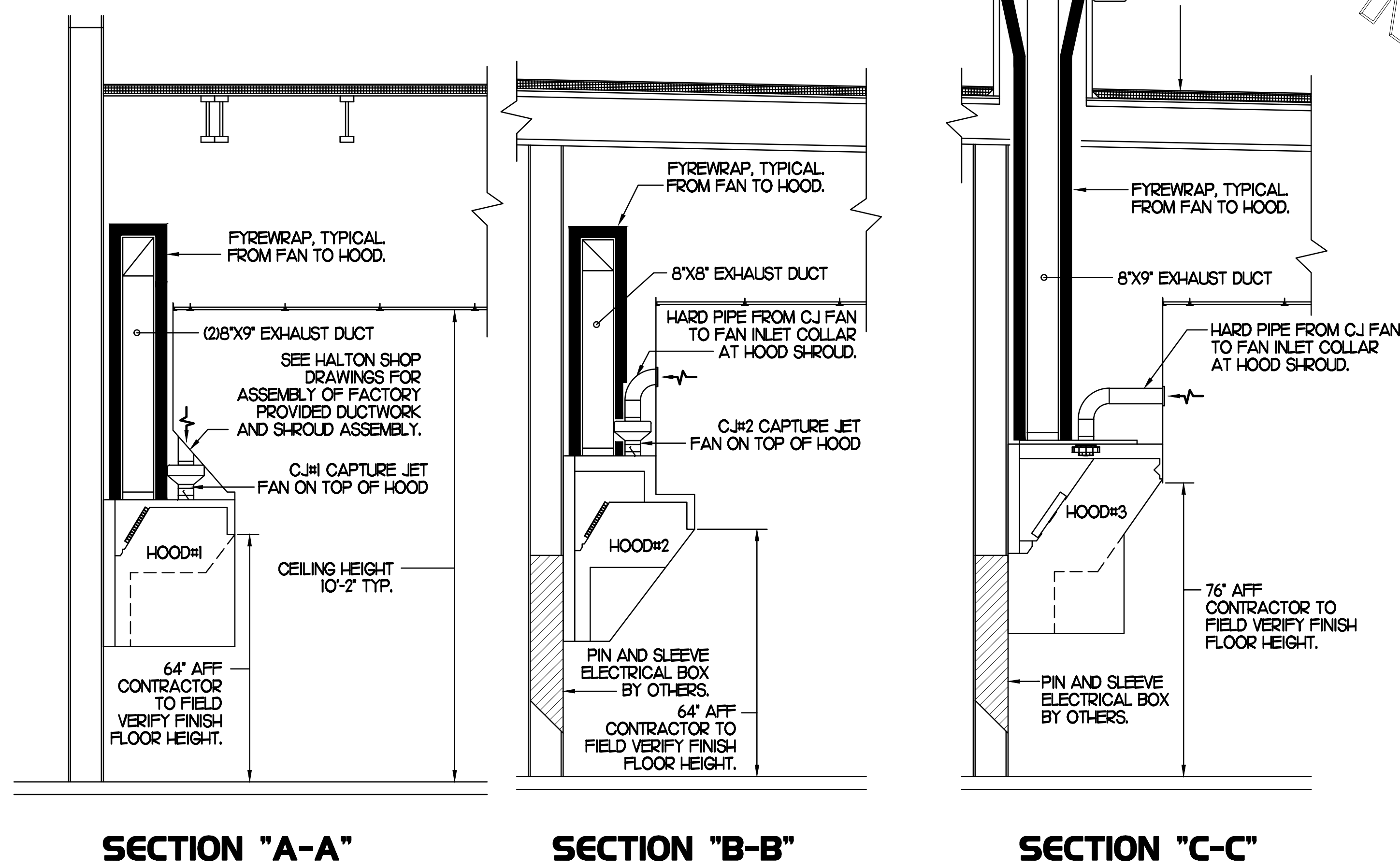
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HOOD ELEVATION NOTE

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.



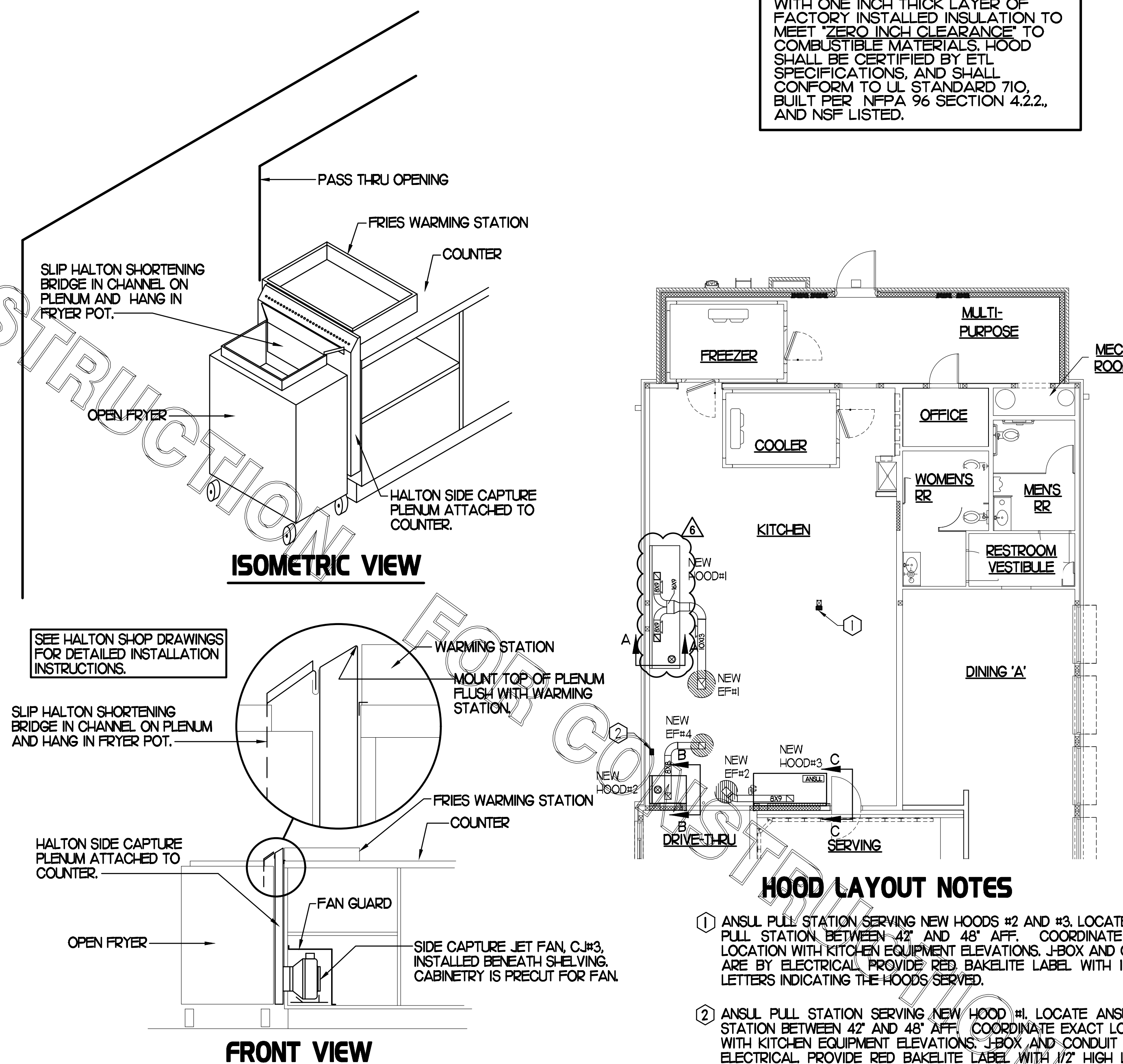
SECTION "A-A"

SECTION "B-B"

SECTION "C-C"

3 HOOD ELEVATIONS

NOTE

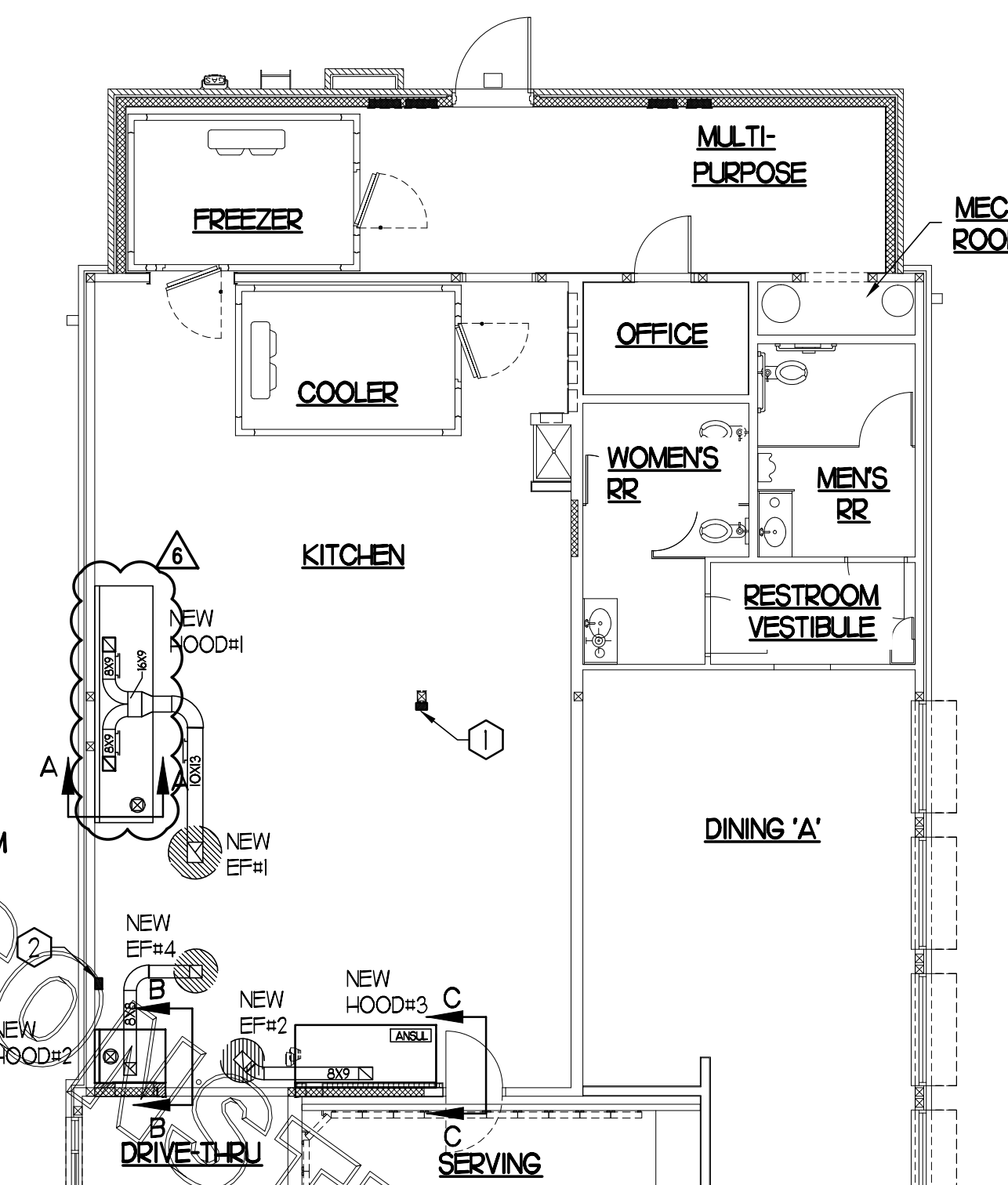


ISOMETRIC VIEW

FRONT VIEW

2 HALTON SIDE CAPTURE JET PLENUM

NOTE TO SCALE

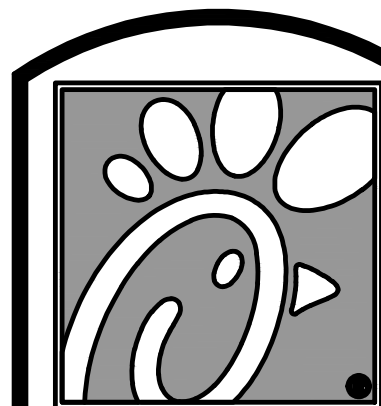


HOOD LAYOUT NOTES

- 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.
- ANSUL PULL STATION SERVING NEW HOOD #1. 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

6 03/26/19 CH

COORDINATION

REVISIONS

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ALABAMA LICENSED

No. 34683

PROFESSIONAL

ENGINEER

STACY HENSON

INTERPLAN

ARCHITECTURE

ENGINEERING

INTERIOR DESIGN

PROJECT MANAGEMENT

604 COURTLAND STREET

SUITE 100

ORLANDO, FLORIDA 32804

PH 407.645.5008

FX 407.629.9124

STORE

TRUSSVILLE

FSU 1143

S97-120

5886 TRUSSVILLE

CROSSINGS PKWY

BIRMINGHAM, AL

35235-8633

SHEET TITLE

MECHANICAL

DETAILS

& SCHEDULES

VERSION: 2018-008

ISSUE DATE: 05-2018

Job No. : 17.0177

Store : 1143

Date : 06.2018

Drawn By : NJF/CH

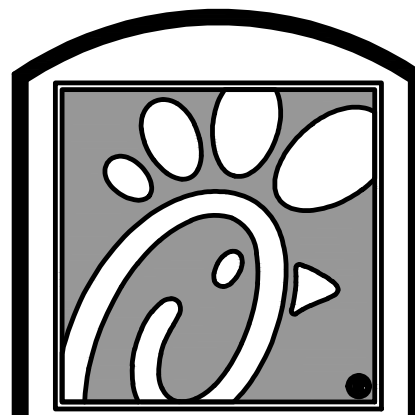
Checked By : JL

Sheet

M-2.I

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jonlop - 04/10/2019 3:28:53 PM



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

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SEAL

FOR
INFORMATION
ONLY

INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

604 COURTLAND STREET
SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

STORE
TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

SHEET TITLE
HALTON HOODS
DETAILS

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.017Z
Store : 1143
Date : 06.2018
Drawn By : CH/NUF
Checked By : JL

Sheet
MH-1.1

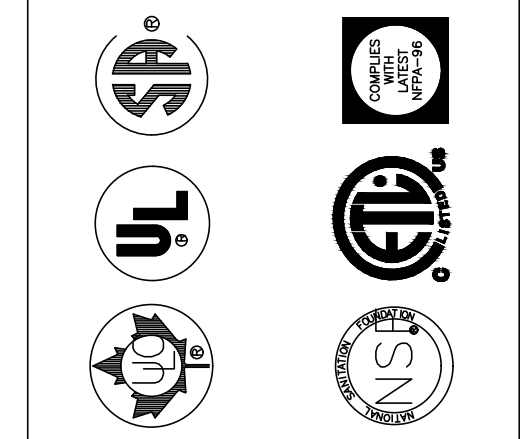
THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE RETURN WITH THE FOLLOWING:

1. AND CLEARANCES
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER: INSURING 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

DATE



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

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

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

REVISION DESCRIPTION

REV.	DATE	BY
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PROJECT: CHICK-FIL-A #1143
TRUSSVILLE

LOCATION: BIRMINGHAM, AL

DRAWN BY: M.H. DATE: 07.20.18

SCALE: NTS

Halton Dwg: U18-628-01

Sheet H-1.1

MODEL: KVM

STANDARD FEATURES

S.S. FILTERS (KSA)	4
CAPTURE-JET FIRE DAMPER	*
STAND-OFF	*
INCANDESCENT LIGHT	1

OPTIONS

REMOTE SWITCH PANEL	*
FIRE PROTECTION	*
ETL LISTED	*
V/D EXHAUST DAMPER	*
CEILING CLOSURE	3
STD. BACKSPASH	*
INSULATED BACKSPASH	*

MATERIAL

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

COMMENTS

- 1) CLOSURE HEIGHT = TBD (THREE SIDED)
- 2) CEILING HEIGHT = ADVISE CEILING CLOSURE RECESSED 50" FROM FRONT TO CREATE SHELVE
- 3) 18\"/>

DATE 07.20.18 **DWG. NO.** U18-628-01 **ITEM NO.** H-3 **EXHAUST AIR INFORMATION** CFM T.A.B. SP

CHICK-FIL-A #1143
PROJECT: TRUSSVILLE

LOCATION: BIRMINGHAM, AL

SUBMITTED BY: HALTON CO. #1143

Halton

MODEL: KVL-C

STANDARD FEATURES

S.S. FILTERS (KSA)	2
CAPTURE-JET FIRE DAMPER	*
STAND-OFF	*

OPTIONS

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

MATERIAL

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

COMMENTS

- 1) CLOSURE HEIGHT = TBD (THREE SIDED)
- 2) CEILING HEIGHT = ADVISE CEILING CLOSURE RECESSED 50" FROM FRONT TO CREATE SHELVE
- 3) 18\"/>

DATE 07.20.18 **DWG. NO.** U18-628-01 **ITEM NO.** H-2 **EXHAUST AIR INFORMATION** CFM T.A.B. SP

CHICK-FIL-A #1143
PROJECT: TRUSSVILLE

LOCATION: BIRMINGHAM, AL

SUBMITTED BY: HALTON CO. #1143

Halton

MODEL: KVL-Z

STANDARD FEATURES

S.S. FILTERS (KSA)	7
1/2\"/>	

OPTIONS

REMOTE SWITCH PANEL	*
FIRE PROTECTION	*
ETL LISTED	*
V/D EXHAUST DAMPER	*
CEILING CLOSURE	3
STD. BACKSPASH	*
INSULATED BACKSPASH	*

MATERIAL

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

COMMENTS

- 1) CLOSURE HEIGHT = TBD (THREE SIDED)
- 2) CEILING HEIGHT = ADVISE CEILING CLOSURE RECESSED 50" FROM FRONT TO CREATE SHELVE
- 3) 18\"/>

DATE 07.20.18 **DWG. NO.** U18-628-01 **ITEM NO.** H-1 **EXHAUST AIR INFORMATION** CFM T.A.B. SP

CHICK-FIL-A #1143
PROJECT: TRUSSVILLE

LOCATION: BIRMINGHAM, AL

SUBMITTED BY: HALTON CO. #1143

Halton

Integral Side Jet Arm H-2

INSTALLATION NOTES

- 1) Panel 1" and 1/2" are to be set on top of hood.
- 2) Panel 1" and 1/2" are to be set on top of hood.
- 3) Panel 1" and 1/2" are to be set on top of hood.
- 4) Panel 1" and 1/2" are to be set on top of hood.

KSA Grease Extractor

Extraction of contaminants from the exhaust air is provided by the KSA Halton grease filter. Efficient grease extraction is achieved by forcing the exhaust air to spiral continuously to the outer edges of the multiple chambers of the extractor, thus separating the grease particles from the air as it exits.

High extraction efficiency and low pressure loss over the KSA extractors practically constant in use.

Halton

INSTALLATION INSTRUCTIONS

1. HANGER BRACKET DETAIL

2. CAPTURE-JET FAN DETAIL

3. DUCT TO CJ FAN DETAIL

4. CLOSURE FRONT DETAIL

5. CLOSURE REAR DETAIL

6. EXHAUST DUCT DETAIL

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497. EXHAUST DUCT DETAIL

498. EXHAUST DUCT DETAIL

499. EXHAUST DUCT DETAIL

500. EXHAUST DUCT DETAIL

501. EXHAUST DUCT DETAIL

502. EXHAUST DUCT DETAIL

503. EXHAUST DUCT DETAIL

504. EXHAUST DUCT DETAIL

505. EXHAUST DUCT DETAIL

506. EXHAUST DUCT DETAIL

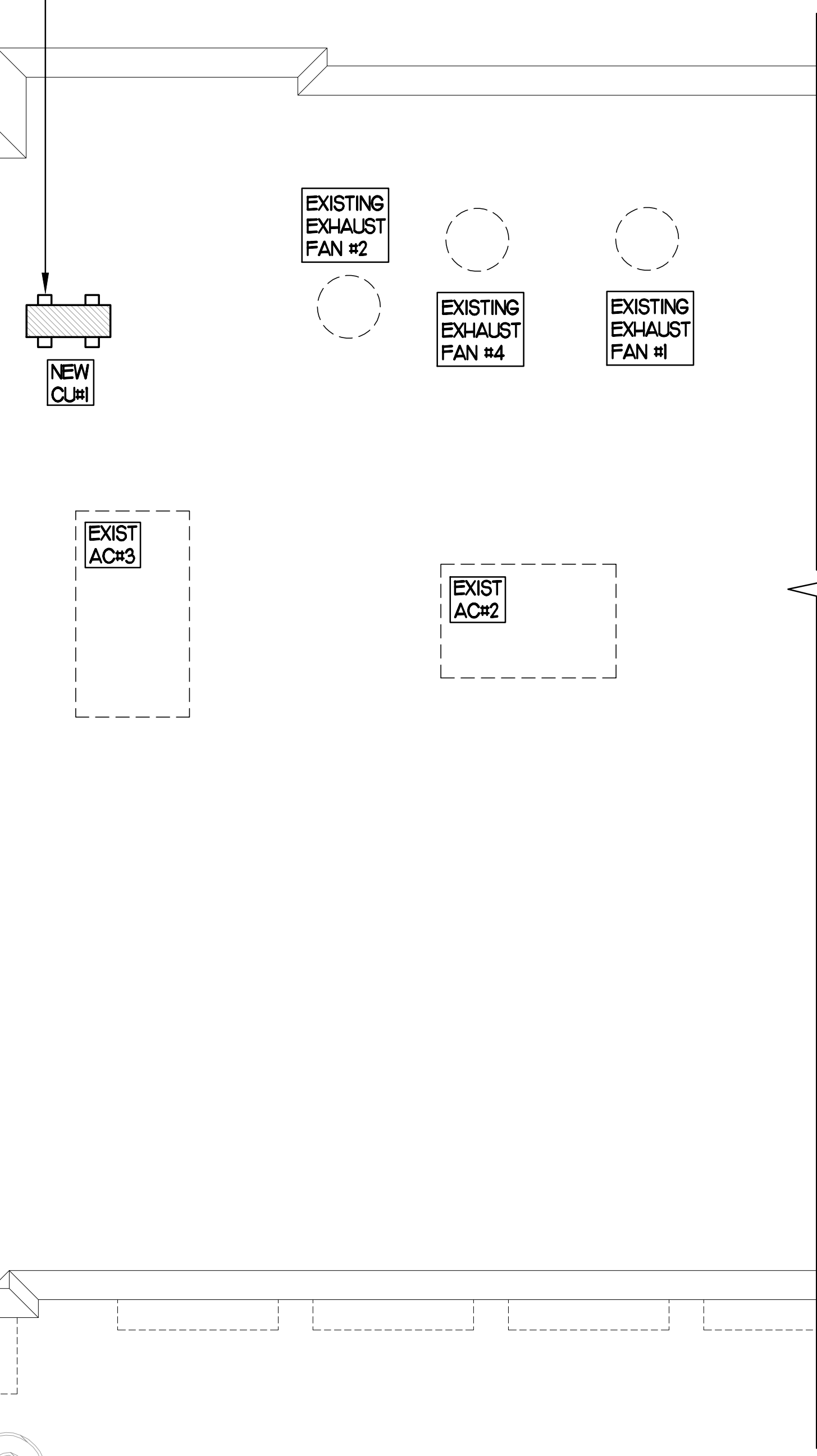
507. EXHAUST DUCT DETAIL

508. EXHAUST DUCT DETAIL

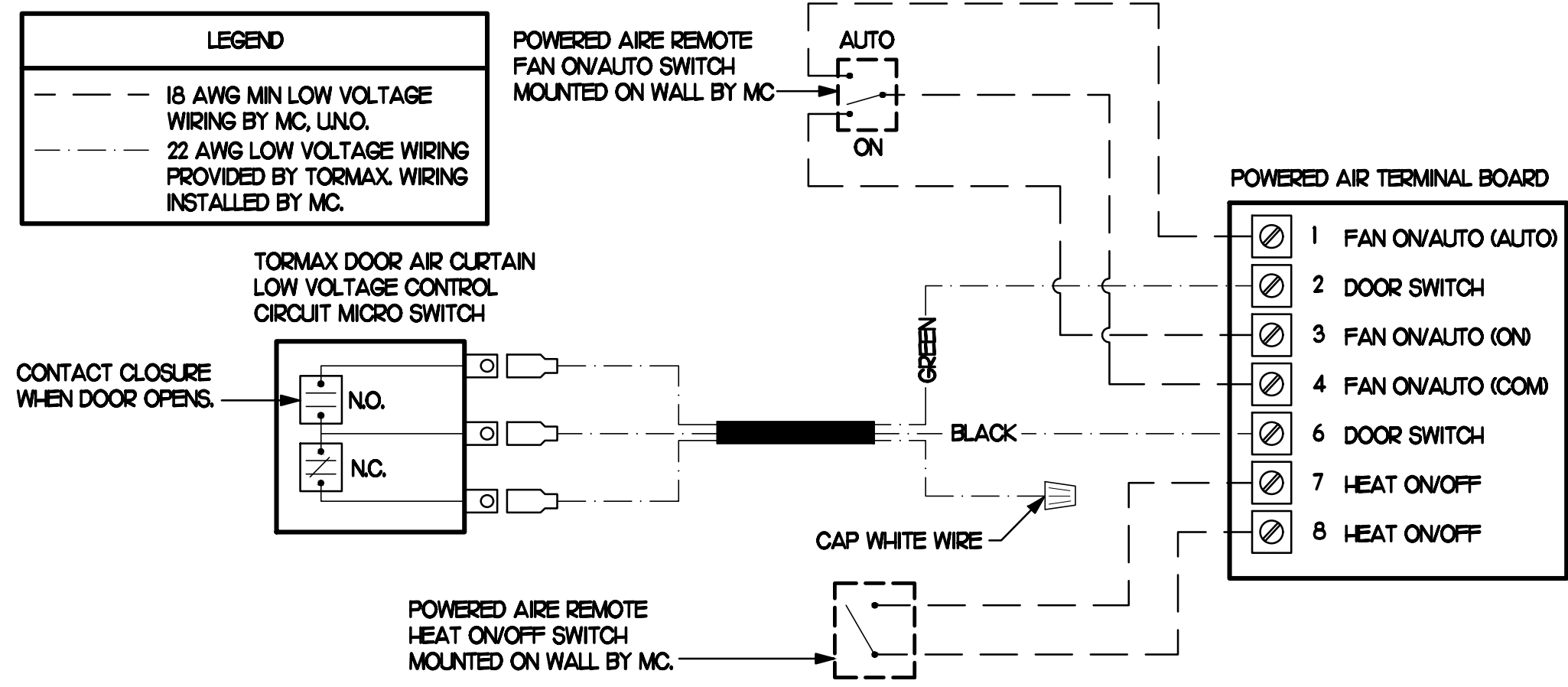
509. EXHAUST DUCT DETAIL

FOR CONSTRUCTION

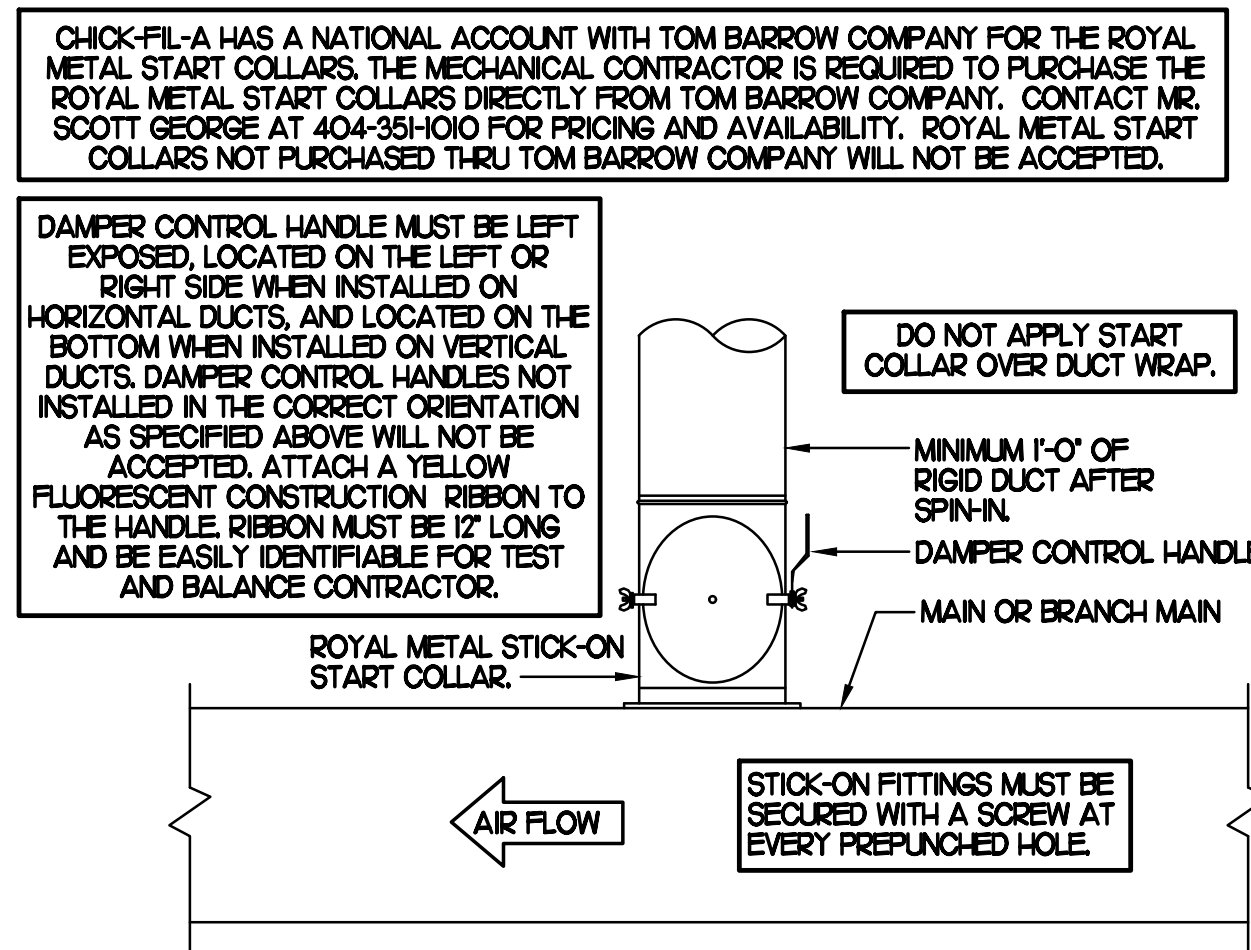
SET CONDENSING UNIT ON ROOF USING TWO CURBS PLUS CPESH EQUIPMENT CURBS. SECURE CONDENSING UNIT TO CURBS ARRANGED IN PARALLEL. SET LONG SIDE OF CURB PARALLEL TO ROOF SLOPE. FLASH INTO ROOF BY GC. COORDINATE EXACT LOCATION WITH STRUCTURAL DRAWINGS. ALL MAINTENANCE CLEARANCES OF NEW AND EXISTING EQUIPMENT SHALL BE MAINTAINED.



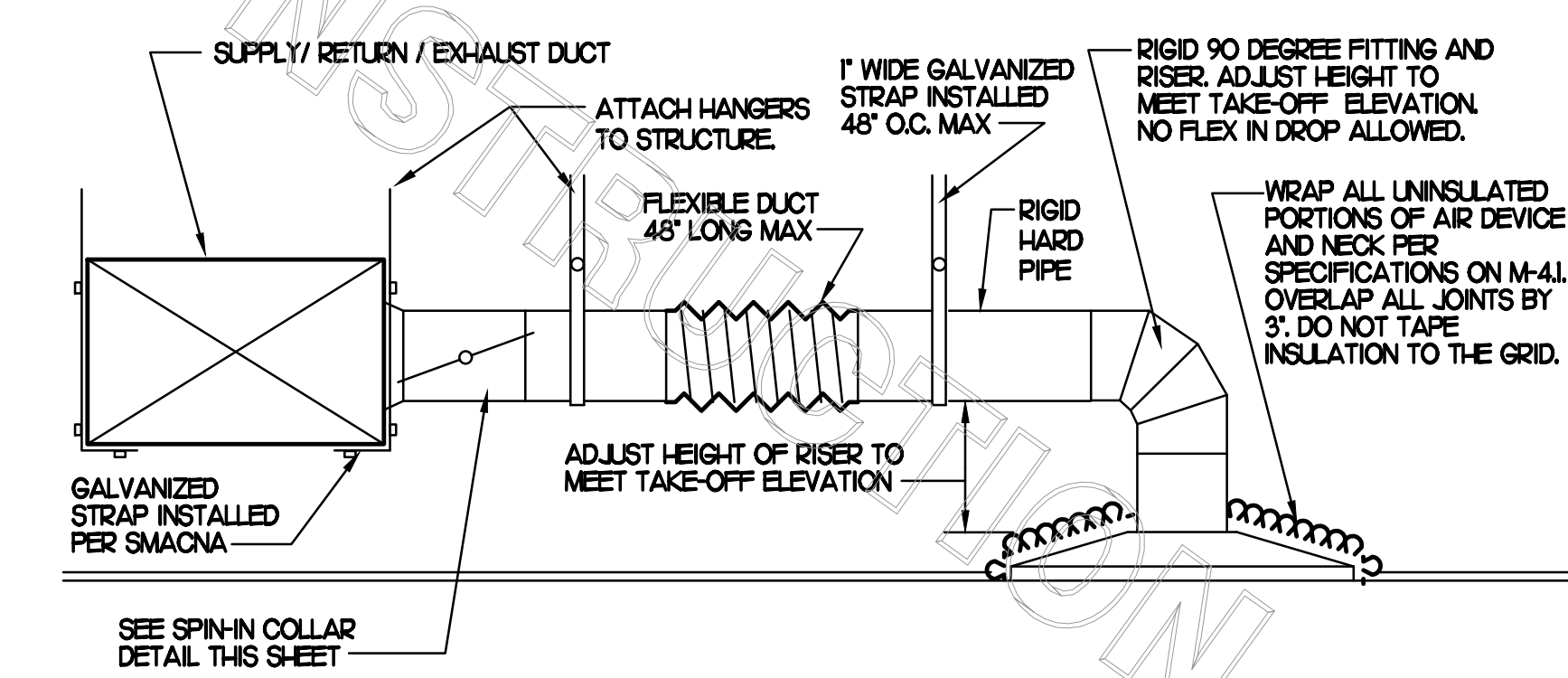
1 MECHANICAL ROOF PLAN
SCALE: 1/4"=1'-0"



4 AIR CURTAIN WIRING DIAGRAM
NO SCALE



3 START COLLAR
NO SCALE



2 SAG/RAG/GRILLE TAKE-OFF
NO SCALE



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



I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE, THE SAME COMPLY WITH ALL RULES, REGULATIONS, AND ORDINANCES OF TUSSEVILLE, AL RELATING TO STRUCTURES AND BUILDINGS.



CHICK-FIL-A
Trussville FSU
5886 Trussville Crossings Pkwy.
Birmingham, AL. 35235

FSR#01143
BUILDING TYPE / SIZE: S97-120

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	01/12/24	Owner Changes

CONSULTANT PROJECT # RO 23001
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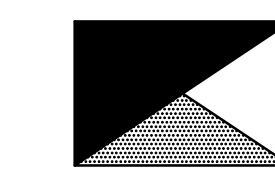
MECHANICAL ROOF PLAN
SHEET NUMBER

M1.2



Chick-fil-A

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



Kurzynske
& Associates
CONSULTING ENGINEERS
2705 Lebanon Pike - Suite One
Nashville, Tennessee 37214
Telephone: (615) 255-5203

I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE, THE SAME COMPLY WITH ALL RULES, REGULATIONS AND ORDINANCES OF TRUSSVILLE, AL RELATING TO STRUCTURES AND BUILDINGS.



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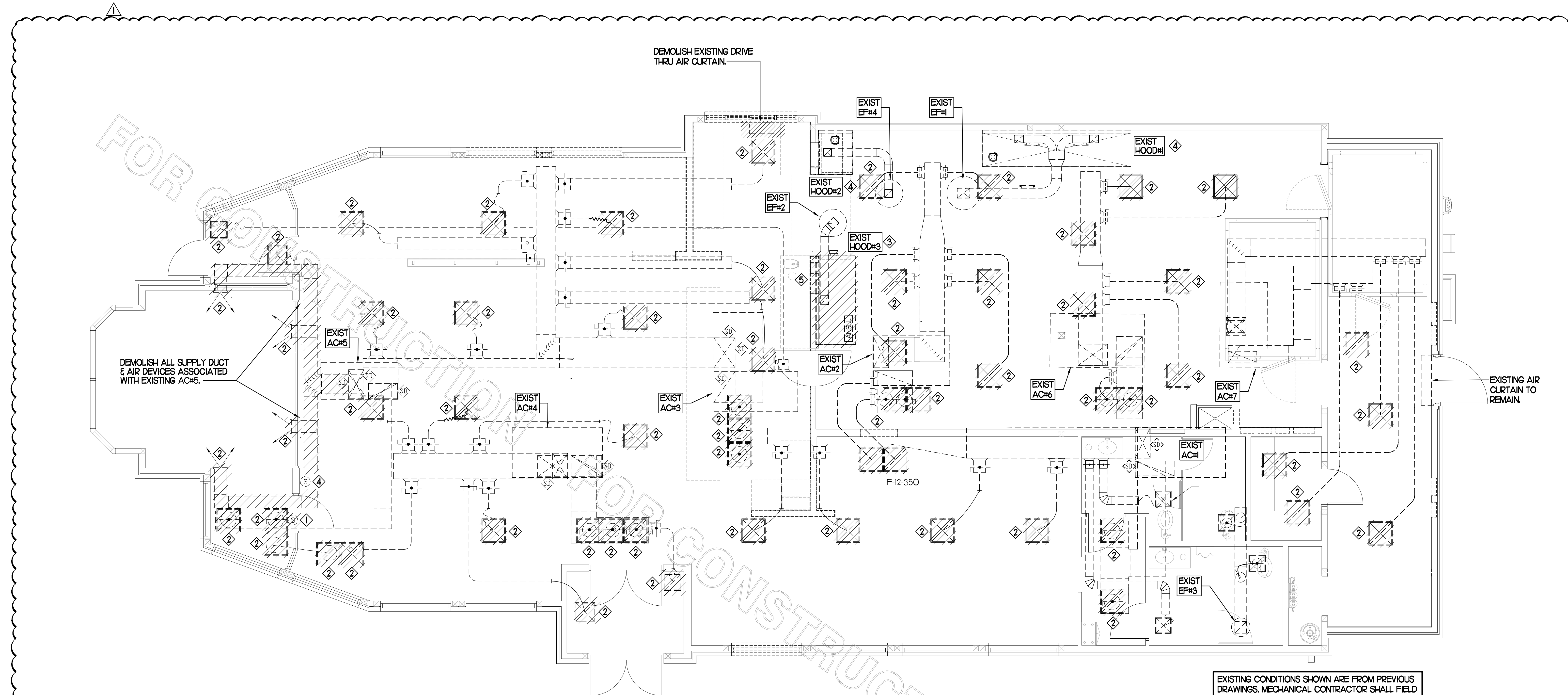
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SHEET MECHANICAL DEMO PLAN

SHEET NUMBER

M0.1



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

DEMOLITION NOTES

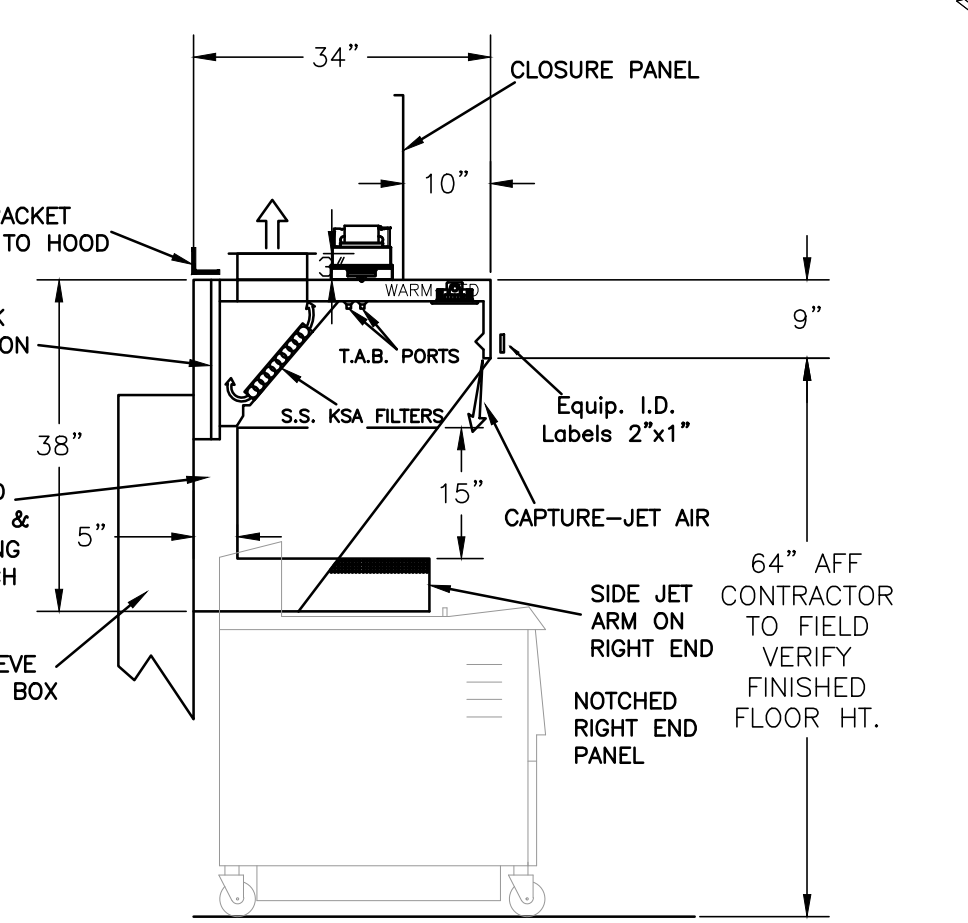
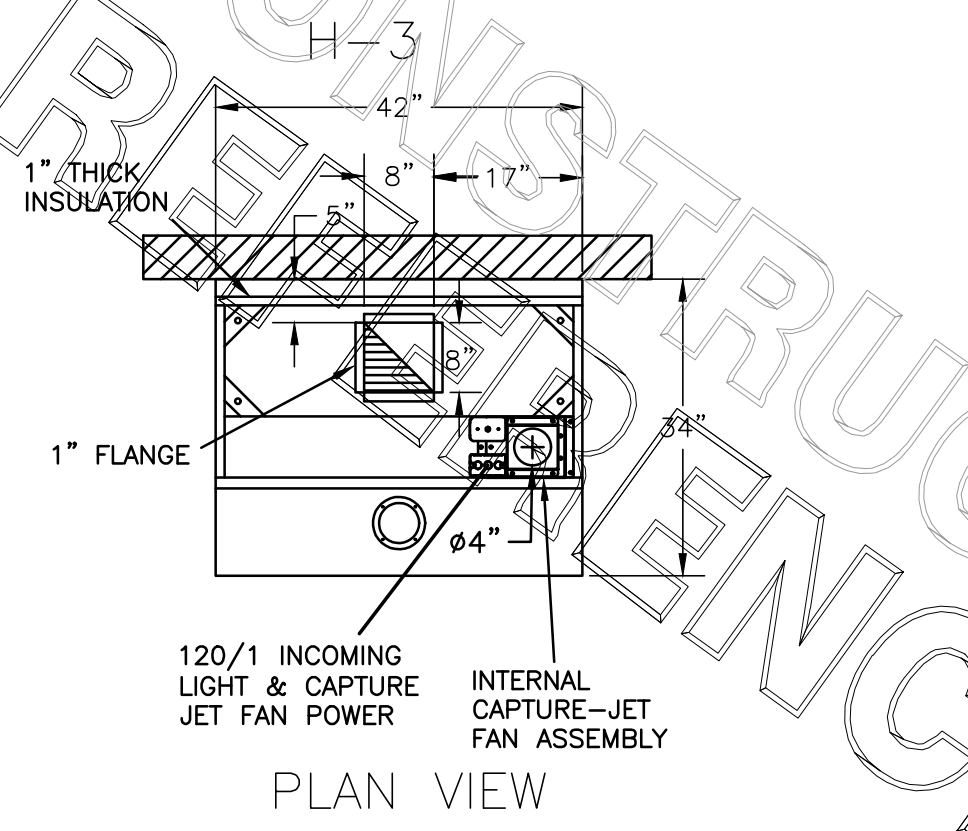
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL APPLICABLE FEES.
- DISPOSAL OF EQUIPMENT AND MATERIALS REQUIRED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING THE WORK.
- DE-ENERGIZE ALL ELECTRICAL CIRCUITS RELATED TO EQUIPMENT THAT WILL BE MOVED OR REMOVED PRIOR TO STARTING WORK. DE-ENERGIZED 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 &/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. VERIFY EXISTING UNIT CONTROLS ARE IN GOOD WORKING ORDER. IF NOT, CONTACT CHICK-FIL-A CONSTRUCTION MANAGER.
- MECHANICAL CONTRACTOR SHALL REPLACE FILTERS FOR ALL RTUs AT END OF PROJECT AND PRIOR TO REOPENING. MC TO PROVIDE PROPOSAL TO FACILITIES MANAGER, CONSTRUCTION MANAGER, AND OPERATOR TO CORRECT EXISTING RTU PUNCH ITEMS IDENTIFIED BY HALTON.
- CONTRACTOR SHALL INDICATE SALVAGE VALUE IN BID FOR ROOFTOP UNITS BEING REPLACED.

DEMOLITION LEGEND	
	EXISTING EQUIPMENT, DUCT, AIR DEVICE ETC. TO REMAIN INTACT
	EQUIPMENT, DUCT, AIR DEVICE ETC. TO BE DEMOLISHED

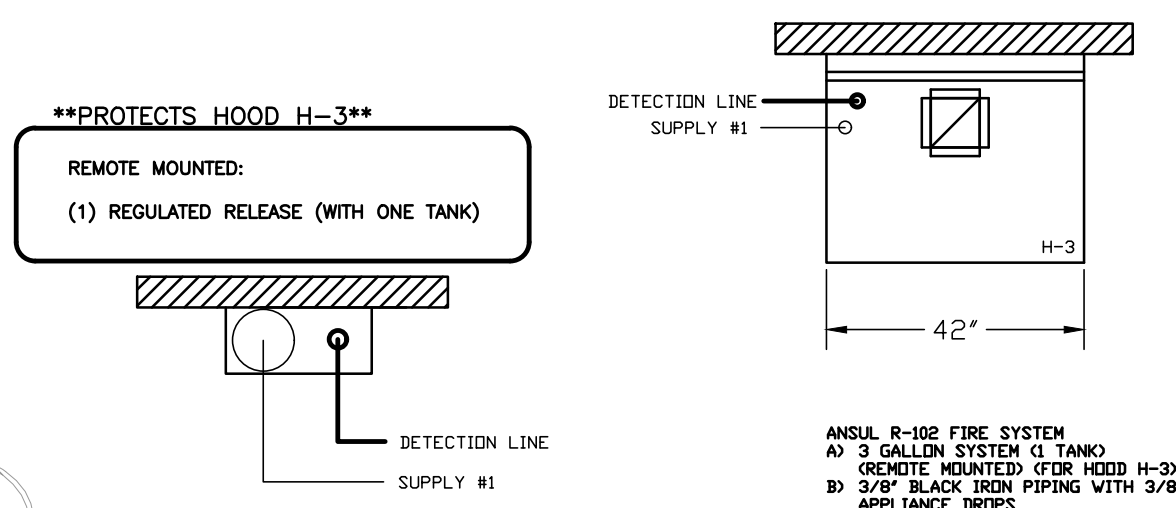
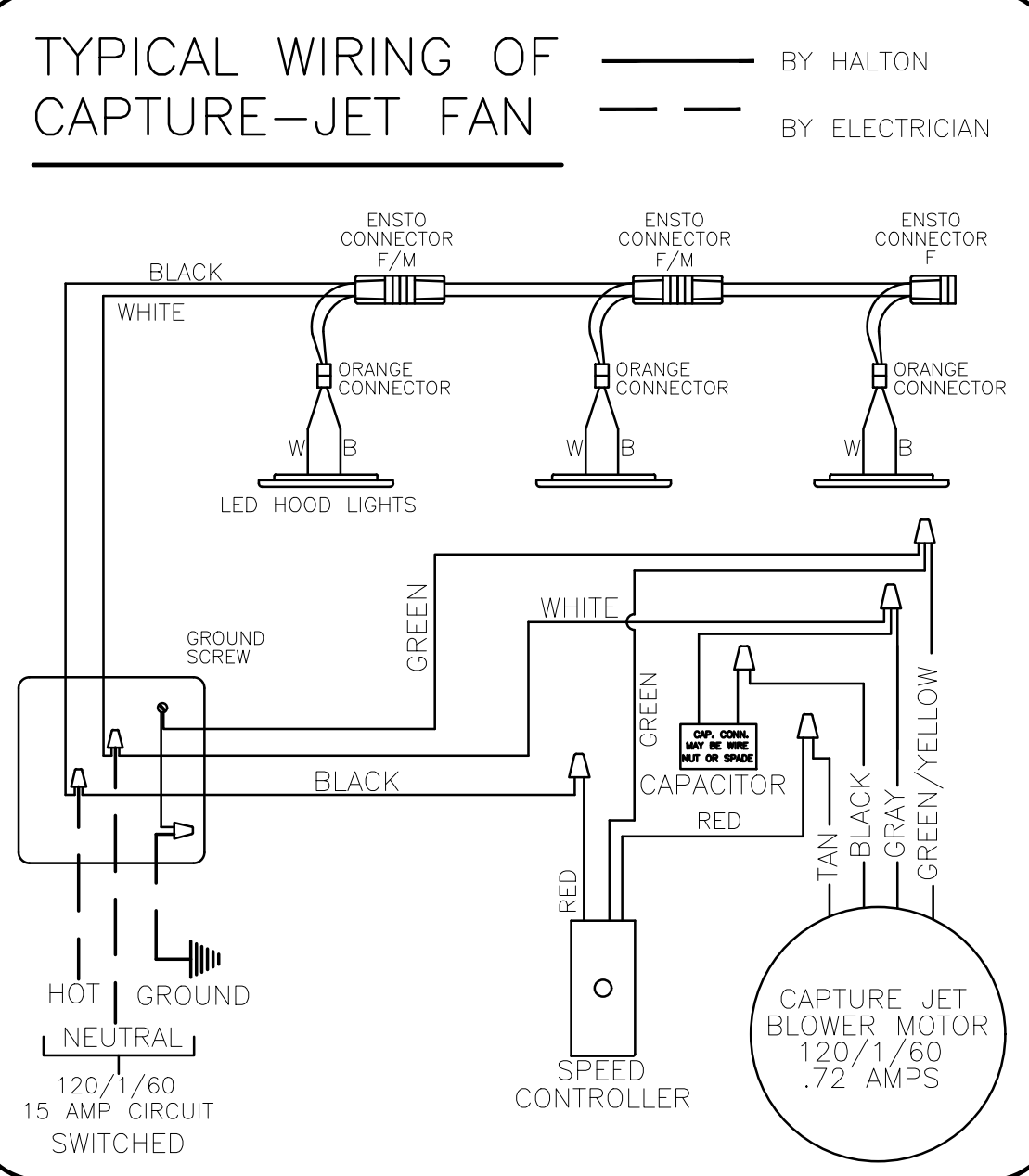
DEMOLITION KEY NOTES

- EXISTING REMOTE TEMPERATURE SENSOR AND/OR REMOTE HUMIDITY SENSOR TO BE REPLACED WITH NEW. DEMOLISH ASSOCIATED CONTROL WIRING. SEE SHEET M-201 FOR FURTHER INFORMATION.
- DETACH AND DEMOLISH EXISTING AIR DEVICE SECURE DUCT ABOVE CEILING GRID FOR RE-CONNECTION. SEE SHEET M-201 FOR NEW CONNECTION.
- DEMOLISH EXISTING HOOD, ASSOCIATED GREASE DUCT AND EXHAUST FAN, AND ITS ASSOCIATED ROOF CURB TO REMAIN. CAP EXISTING EXHAUST DUCT FOR FUTURE CONNECTION TO NEW. SEE SHEET M-201.
- EXISTING REMOTE TEMPERATURE SENSOR AND/OR REMOTE HUMIDITY SENSOR TO REMAIN.
- EXISTING SINGLE PIN & SLEEVE BOX TO BE DEMOLISHED AND REPLACED WITH DOUBLE PIN & SLEEVE BOX. COORDINATE WITH ELECTRICAL CONTRACTOR. SEE NEW FLOOR PLAN FOR FURTHER INFORMATION.

HOOD MODEL	HOOD NUMBER	EXHAUST COLLAR			EXHAUST AIR INFORMATION			CAPTURE AIR INFORMATION		S.S. KSA FILTERS		CEILING CLOSURES			K FACTOR (CFM = K FACTOR * ΔP)	MATERIAL			
		QTY	LENGTH	WIDTH	CFM	TAB	SP	CFM	SP	FULL	HALF	LED LIGHTS	QTY	CLOSURE HEIGHT			CEILING HEIGHT	HOOD WEIGHT	MBD DAMPER
KVL-C-IC	H-3	1	8"	8"	701	0.30"	0.39"	30	0.29"	2	-	1	3	TBD	ADVISE	245 LBS	-	1291	EXPOSED SURFACES 18 GA. S.S.



- CEILING CLOSURE RECESSED 10" FROM FRONT TO CREATE SHELF
- 18"x18" ACCESS DOOR CENTERED AT CAPTURE-JET WITH FRONT CJ INTAKE
- NOTCHED RIGHT END PANEL
- DOUBLE RECEPTACLE PIN & SLEEVE
- 3" REAR STAND-OFF TO HAVE 1" THICK INSULATION
- EQUIPMENT COVERED:
(2) FRYERS



FUSIBLE LINK RATINGS

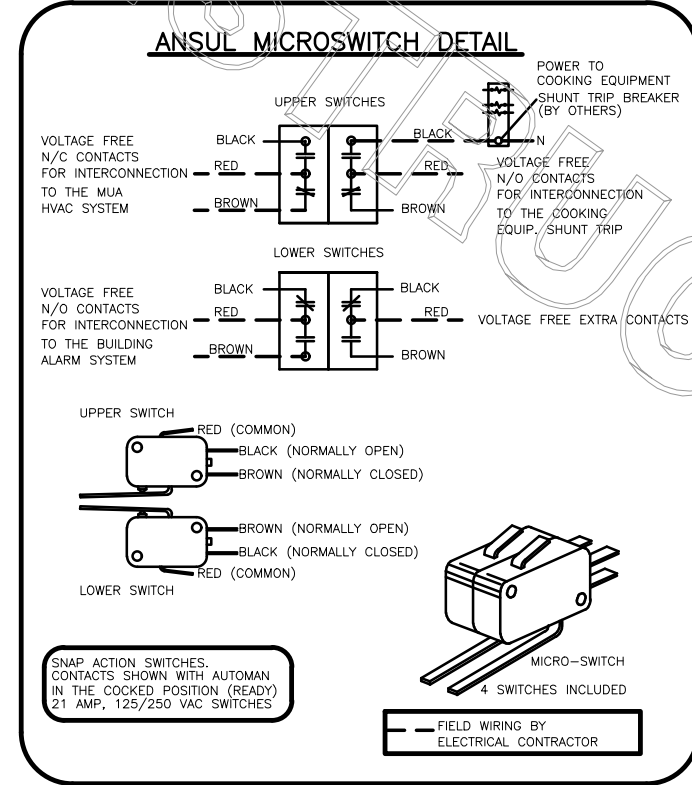
ITEM	TEMP
OPEN FRYERS	450*
2 BURNER / FLAT TOP	450*
PRESSURE FRYERS	450*
GRILL	450*
EXHAUST COLLARS	450*

ANSUL R-102 FIRE SYSTEM
ONE TANK SYSTEM REMOTE MOUNTED
MAXIMUM FLOW POINTS = 11

ITEM	PART #	QTY	DESCRIPTION	FLOW PTS (TOTAL)
1W	10023	1	DUCT NOZZLES	1
1N	10022	1	PLENUM NOZZLES	1
3N	10021	2	APPLIANCE NOZZLES	6
			TOTAL FLOW POINTS	8
ITEM	QTY	DESCRIPTION		
#201	11973	1	TERMINAL DETECTORS W/ FUSIBLE LINKS	
#202	10033	1	REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH	
#203	10333	1	3 GALLON TANKS	
#204	10040	1	REMOTE PULL STATION	
#205	10064	2	SINGLE TANK NITROGEN CARTRIDGE	
#206	11128	1	3 GALLON ANSULEX CONTAINER	

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

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

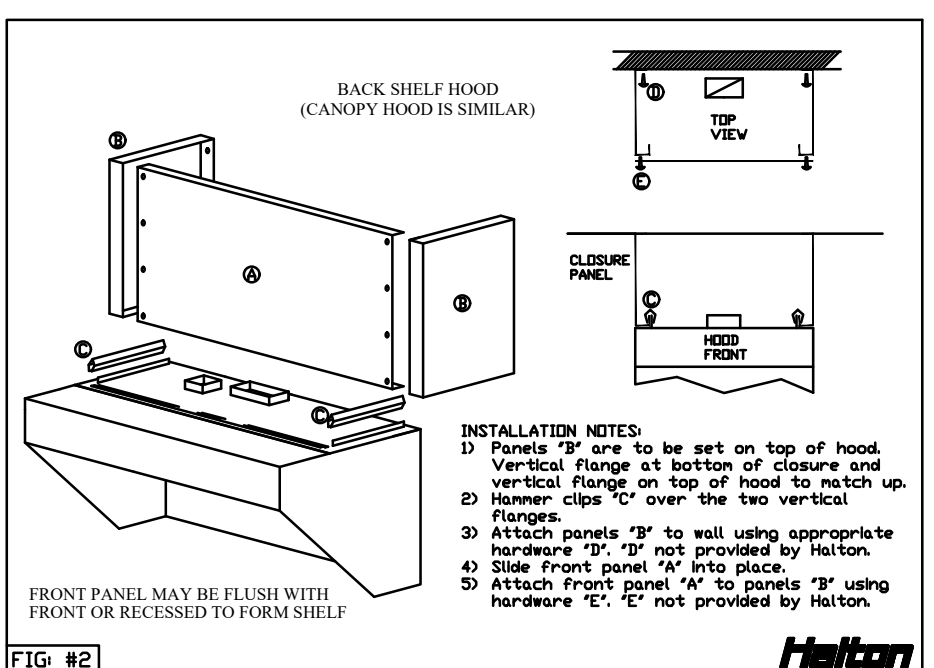
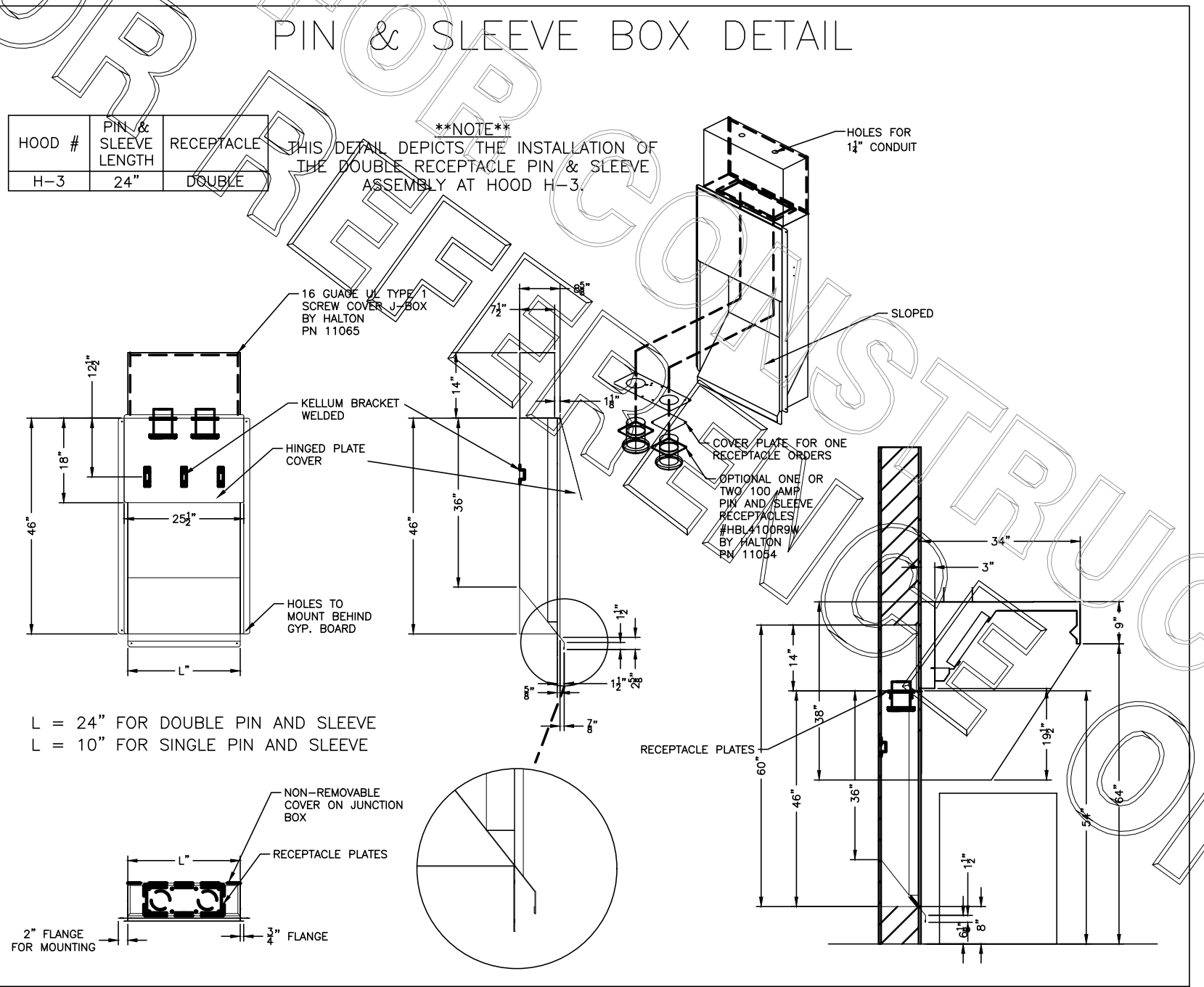
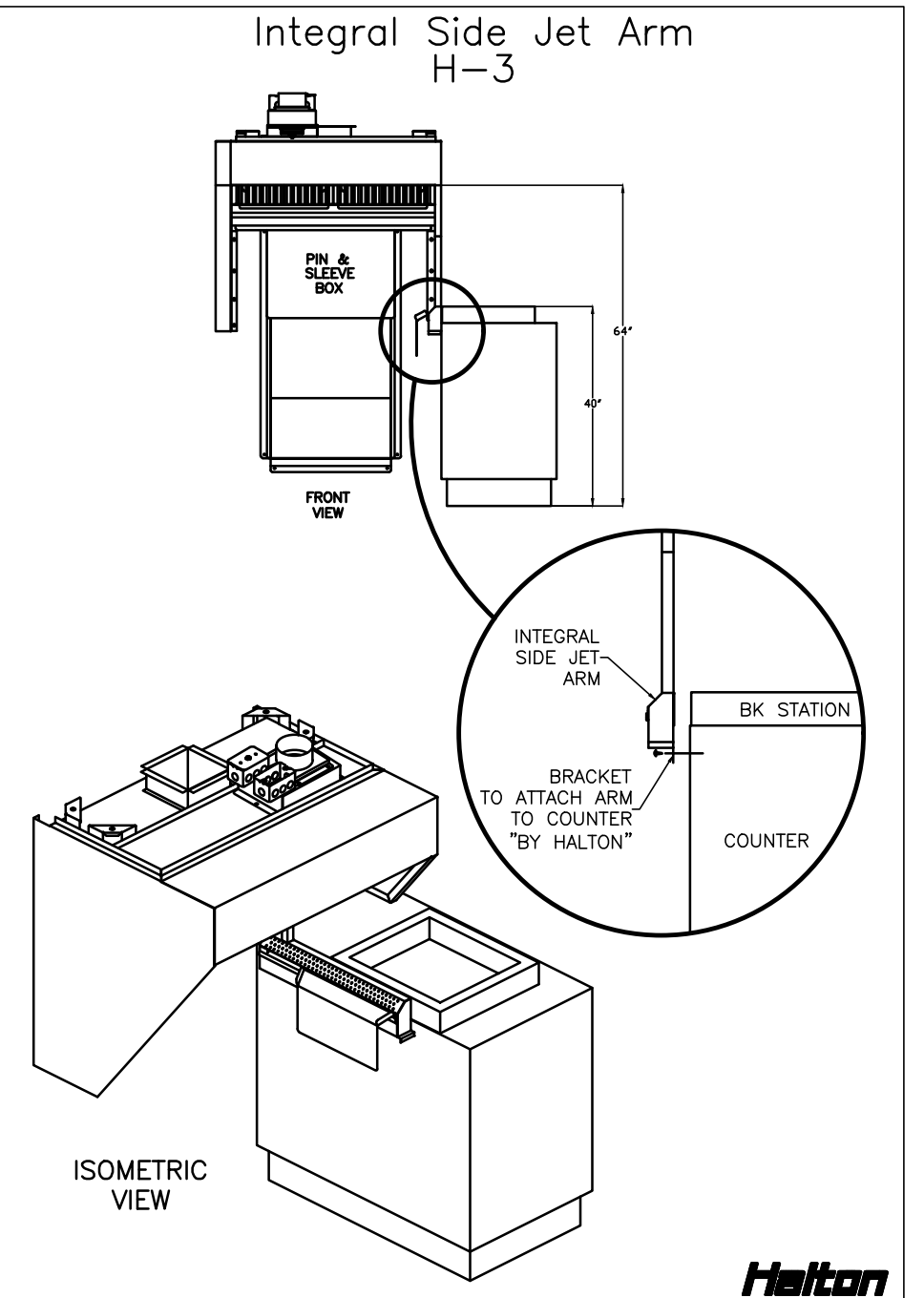
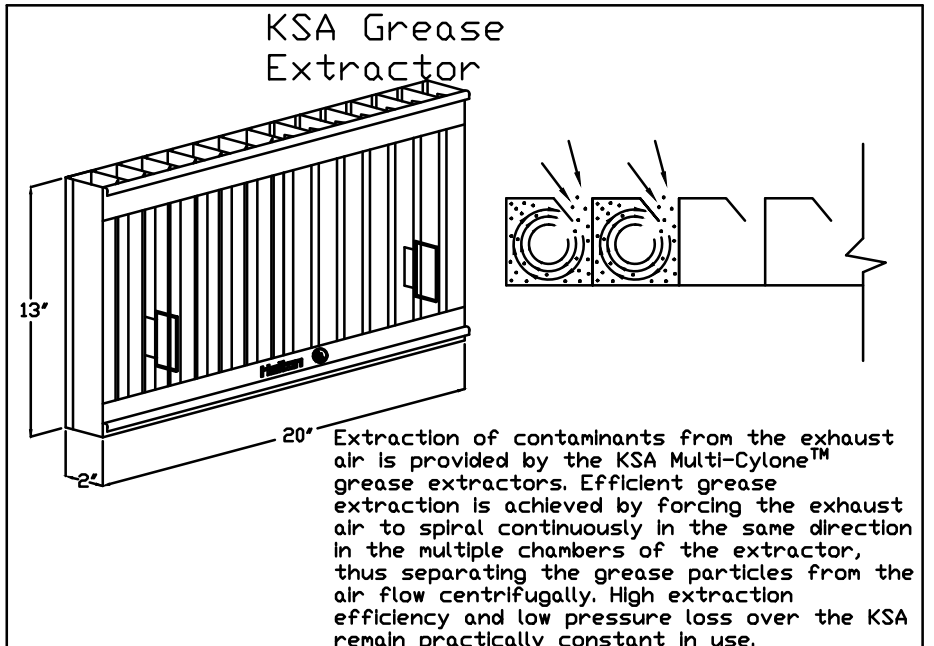
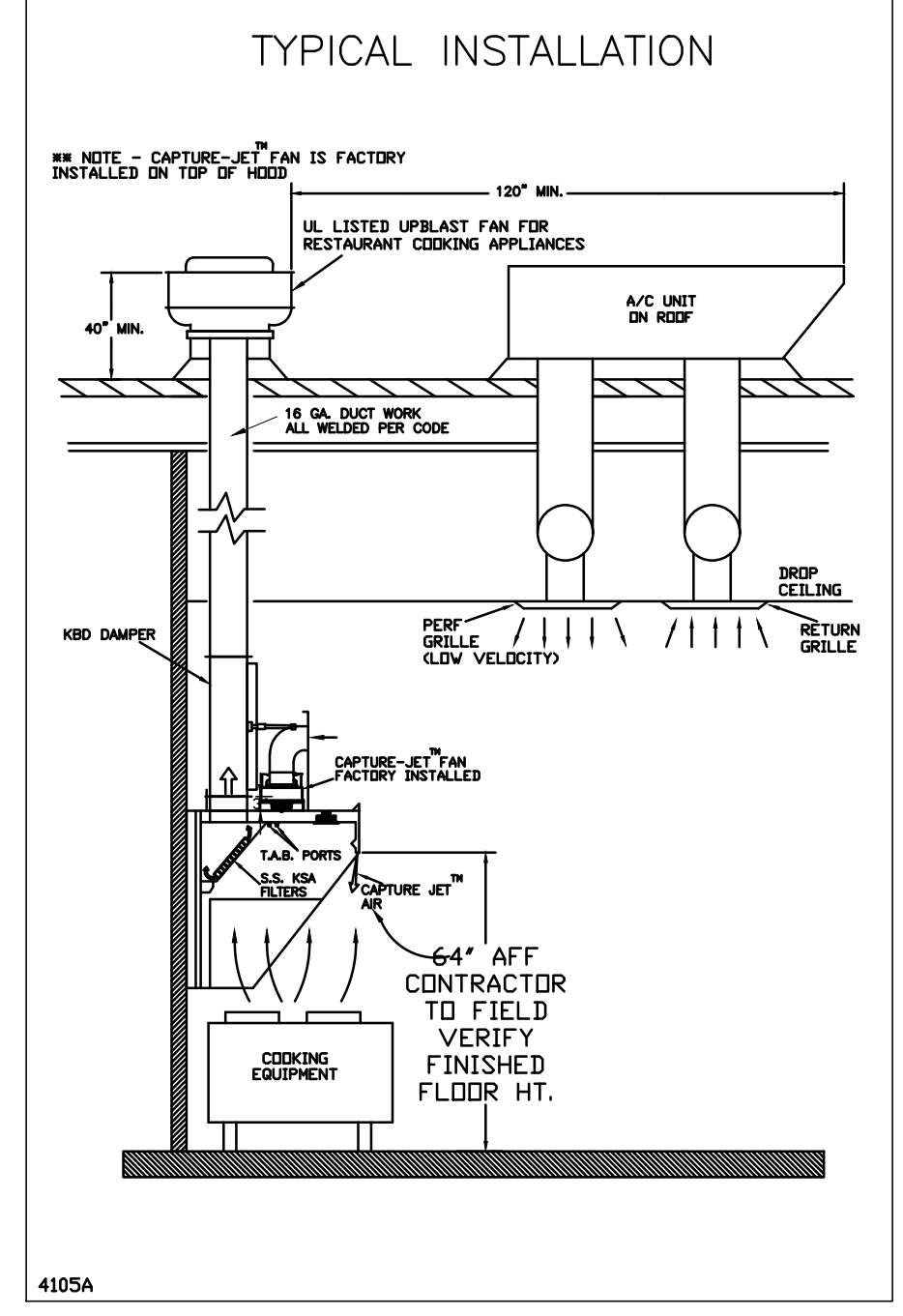
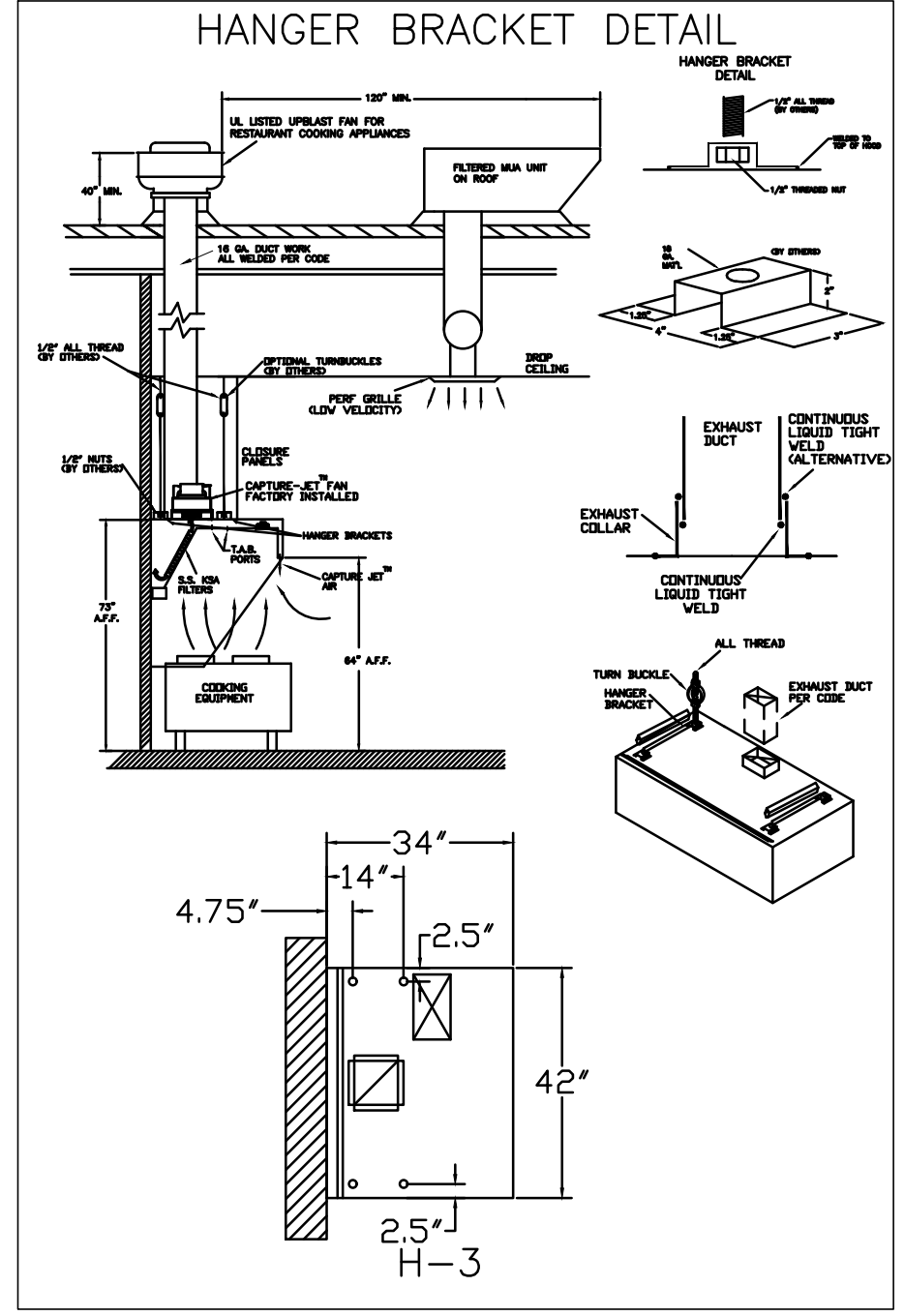


HALTON HOODS
- ETL LISTED PER LATEST 710 STANDARD
- BUILT PER NFPA 96 NSF LISTED

Halton
NSF LISTED

HALTON COMPANY, 60 INDUSTRIAL BL., KENTONVILLE, KY 40150
MODEL NO. SERIAL NO. ITEM NO.
KVL-C-IC

INSTALLATION NOTES:
1. READ THE MANUAL AND ALL APPLICABLE CODES.
2. THE CAPTURE-JET FAN IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
3. THE HOOD SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
4. THE HOOD SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
5. THE HOOD SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.



THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
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 AIRFLOW MAY BE REQUIRED.

REVISION AND RESUBMIT
REVISE AND RESUBMIT
WITH NO CHANGES
WITH CHANGES AS NOTED

APPROVED FOR FABRICATION

DATE

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

WEBSITE: www.halton.com	DATE	
HALTON CO. (USA)	BY	
101 INDUSTRIAL DRIVE		
SCOTTSDALE, KY 42164		
1-270-237-5600		

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

PROJECT: CHICK-FIL-A #1143 TRUSSVILLE FSU

LOCATION: BIRMINGHAM, AL

DRAWN BY: SKK DATE: 01.08.24

SCALE: NOT TO SCALE

DRAWING No.: U24-029-01

SHEET No.: MH-1.1

Halton

HOOD SCHEDULE											
MARK	EXHAUST CFM	SP • TAB PORT	CAPTURE JET CFM & SP.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	MANUFACTURER	MODEL	REMARKS
HOOD#1	1700	--	--	--	Ø 9"x8"	--	--	--	EXISTING	--	--
HOOD#2	701	--	--	--	8"x8"	--	--	--	EXISTING	--	--
HOOD#3	701	0.30'	30 • 0.29'	BACK SHELF	8"x8"	42"	34"	38"	HALTON	KVL-C	1

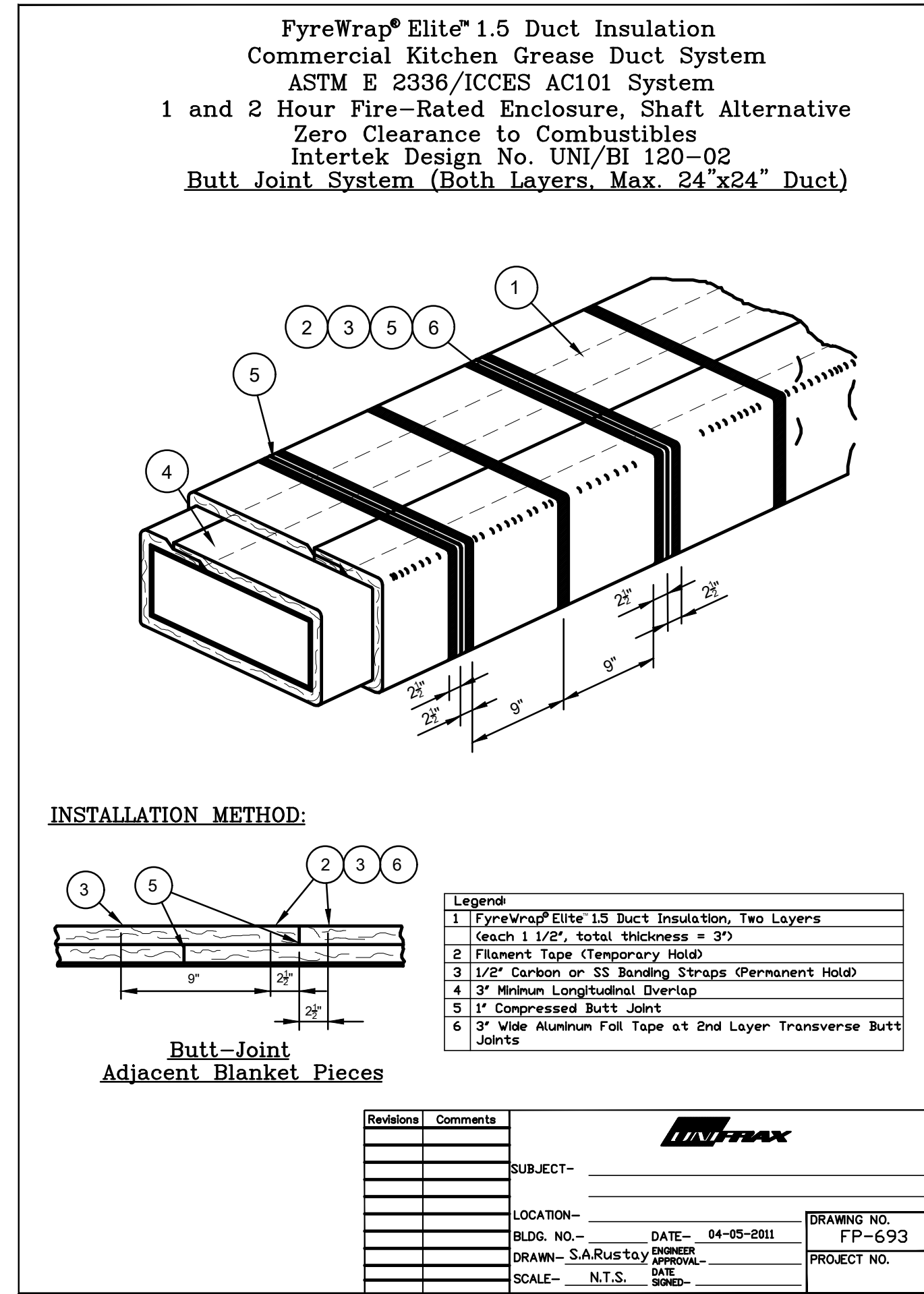
NOTES: DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (HEIGHT DOES NOT INCLUDE CLOSURE PANELS).

REMARKS: 1. HOOD SHOP DRAWINGS ARE INCLUDED FOR REFERENCE ON SHEETS M-101. REFER TO SHOP DRAWINGS FOR HOOD OPTIONS AND 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.

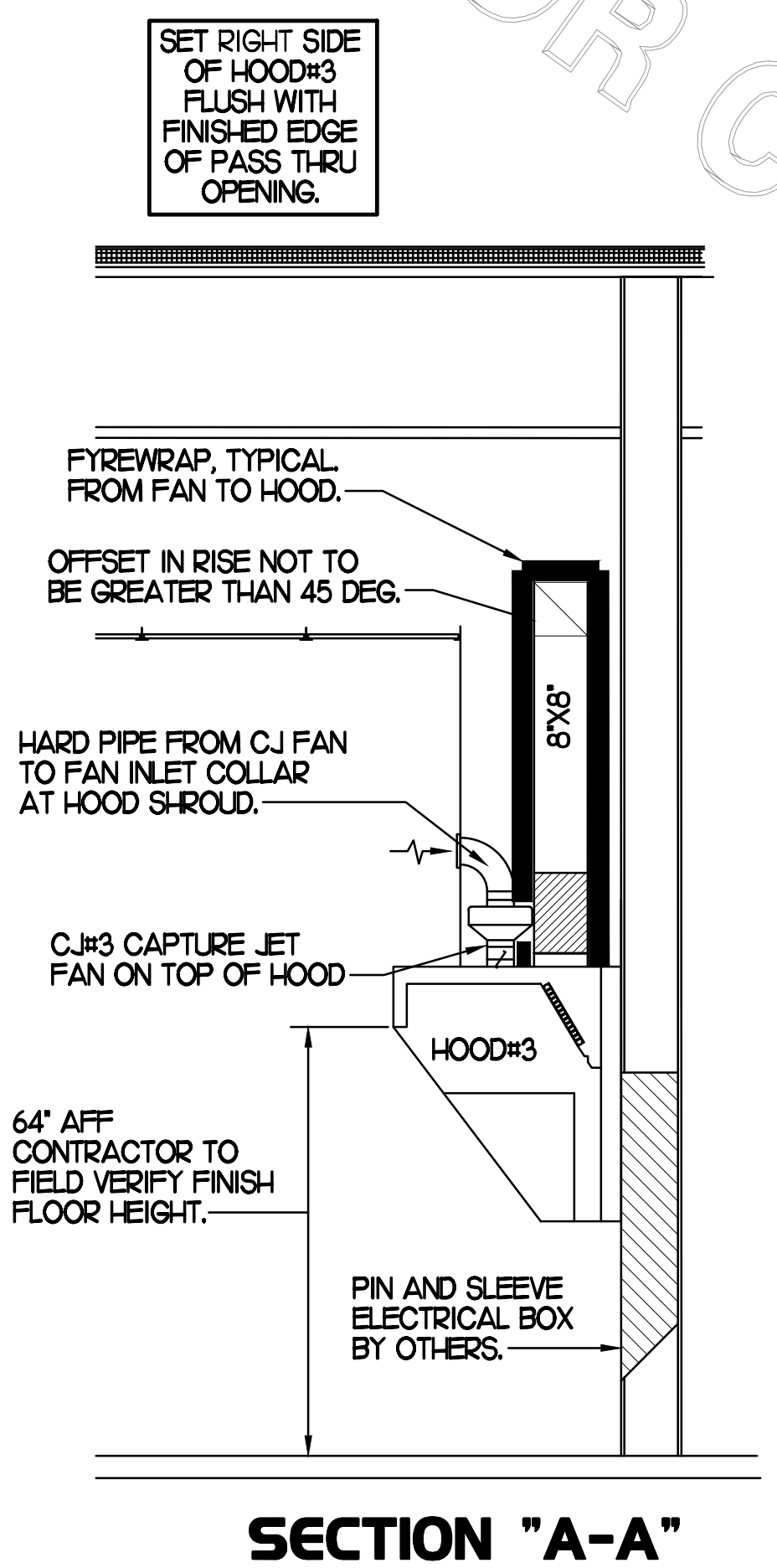
CLEANOUT DOOR NOTE
 DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS. NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

NOTE: SEE ARCHITECTURAL PLANS FOR EXACT HOOD LOCATIONS.



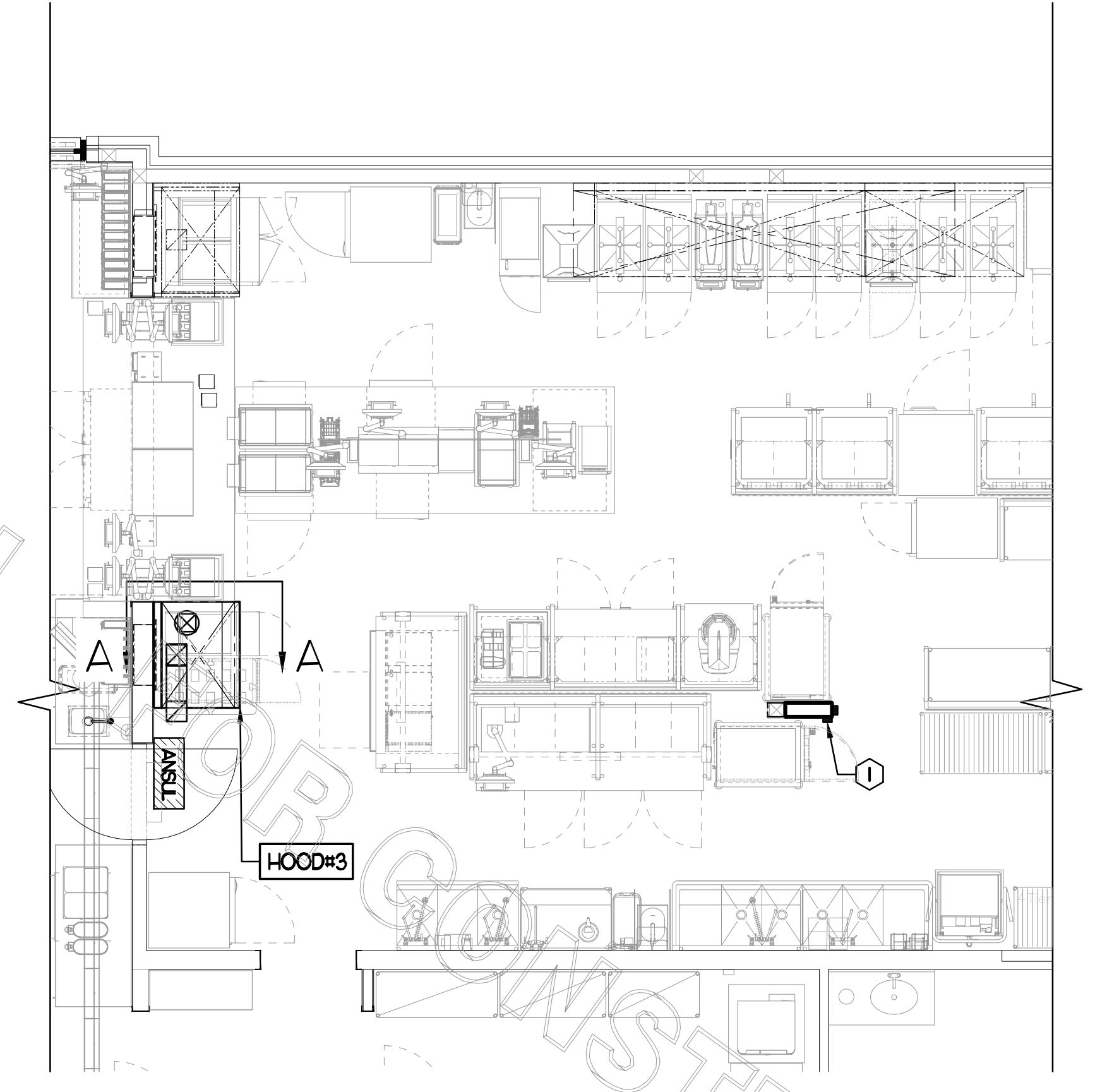
- ### KITCHEN HOOD SYSTEMS NOTES
- CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT WITH HALTON CO. FOR THE HOODS. CHICK-FIL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 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 SELECTED AND HIRED BY HALTON. COST FOR ANSUL INSTALLATION INCLUDED IN PRICE OF HOODS TO CFA.
 - HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS.
 - TURNS 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 FyreWRAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FyreWRAP 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. ATTACH HOOD TO WALL AT 16" INTERVALS ALONG FULL LENGTH OF HOOD ON TOP AND BOTTOM. ATTACHMENT TO WALL REQUIRES FIELD DRILLING OF SUPPORT ANGLE AT BACK OF HOODS. EACH WALL ATTACHMENT POINT MUST OCCUR AT A WALL STUD. ATTACHMENT HARDWARE TO BE #12-24 HEX HEAD SHEET METAL SCREW EQUAL TO TEXTRON SDS EDT265, LENGTH AS REQUIRED TO FULLY PENETRATE THE STUD.
 - MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL SUNCOAST HES SYSTEM FOR ALL HOODS. SEE HOOD FAN/EQUIPMENT INTERLOCK WIRING DIAGRAM ON THIS SHEET FOR MORE INFORMATION.

FOR CONSTRUCTION



2 HOOD ELEVATIONS
 NONE

- ### KEY NOTES
- ANSUL PULL STATION SERVING NEW HOOD#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 WHITE BAKELITE LABEL WITH 1/4" HIGH LETTERS INDICATING THE HOODS SERVED, I.E. "PASS-THRU HOOD".



1 HOOD LAYOUT
 1/4" = 1'-0"



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

Kurzynske & Associates
 CONSULTING ENGINEERS
 2705 Lebanon Pike - Suite One
 Nashville, Tennessee 37214
 Telephone: (615) 255-9203

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CHICK-FIL-A
 Trussville FSU
 5886 Trussville Crossings Pkwy.
 Birmingham, AL. 35235

FSR#01143
 BUILDING TYPE / SIZE: S97-Y20

REVISION SCHEDULE		
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CONSULTANT PROJECT # RO 23001
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 SHEET: HOOD DETAILS
 SHEET NUMBER

M2.1

I. 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 OWNERS REPRESENTATIVE. ALL EQUIPMENT, COMPONENTS AND DUCTWORK SHALL BE INSPECTED AND THOROUGHLY CLEANED, 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

- 2.02 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 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. 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 5.6 R-VALUE INSTALLED WITH EITHER A VAPOR BARRIER WITH MAXIMUM PERMEANCE 0.05 OR A MINIMUM 2 MIL ALUMINUM REINFORCED FOILKRAFT FACING.
- F. ALL DUCT DROPS FROM THE ROOFTOP UNITS SHALL BE EXTERNALLY INSULATED.
- G. SUPPLY AND RETURN AIR DUCTWORK SERVING ALL AREAS SHALL BE EXTERNALLY INSULATED.
- H. 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.
- I. 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.
 - J. 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.
 - K. 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.
 - L. 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.
 - M. DUCT TAPE SHALL BE EQUAL TO FASSON 181-B FX, 2-1/2" WIDE.
 - N. SINGLE THICKNESS TURNING VANES SHALL BE INSTALLED AT 90 DEGREE TURNS IN SUPPLY DUCTWORK WHERE ANY ONE DIMENSION IS GREATER THAN 12".
 - O. RADIUSSED ELBOWS MAY BE SUBSTITUTED FOR 90 DEGREE ELBOWS AT THE DISCRETION OF THE CONTRACTOR. CENTERLINE RADIUS EQUAL TO; R=W PER FIGURE NO. 2.2 IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
 - P. 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.

PART III - EXECUTION

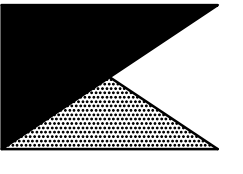
- 3.01 SCOPE
- A. FURNISH AND INSTALL SYSTEM IN ACCORDANCE WITH REFERENCED STANDARDS, APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS AND AS INDICATED ON DRAWINGS.
- B. OWNER SHALL TEST AND BALANCE MECHANICAL SYSTEM IN ACCORDANCE WITH NCI OR AABC STANDARDS TO ASSURE CONFORMANCE WITH DESIGN. G.C. WILL 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.
- C. 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.
- D. 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.
- E. CONTRACTOR SHALL COMPLETE A/C EQUIPMENT STARTUP DOCUMENTATION PROVIDED BY OWNER.

NATIONAL ACCOUNTS	
1.	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.

ELECTRIC WALL HEATER SCHEDULE							
MARK	KW	FRAME SIZE (IN)		CFM	MOUNTING TYPE	MODEL	MANUFACTURER
		WIDTH	HEIGHT				
WH	L5	16	21	175	SURFACE	HF3324TD-RP	MARKEL
CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE WALL HEATER. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE WALL HEATER DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-254-1010 FOR PRICING AND AVAILABILITY. WALL HEATERS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.							
REMARKS	<ol style="list-style-type: none"> 1. AUTOMATIC FAN DELAY SWITCH AND INTEGRAL DISCONNECT. 2. INTEGRAL TAMPERPROOF THERMOSTAT SET AT 65 DEG. F. 3. CAPACITY SHOWN IS BASED ON 208V SERVICE. 4. CONFIRM ELECTRICAL CHARACTERISTICS WITH E-SHEETS PRIOR TO ORDERING EQUIPMENT. 5. POWDER COATED 16 GA. STEEL GRILLE WITH ALUMINUM FRAME. 6. AUTOMATIC RESET THERMAL LIMIT SWITCH. 7. TUBULAR STEEL ELEMENT WITH STEEL FINS. 						



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



Kurzynske & Associates
 CONSULTING ENGINEERS
 2705 Lebanon Pike - Suite One
 Nashville, Tennessee 37214
 Telephone: (615) 255-5203

I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE, THE SAME COMPLY WITH ALL RULES, REGULATIONS, AND ORDINANCES OF THE STATE OF ALABAMA RELATING TO STRUCTURES AND BUILDINGS.



1-12-24

CHICK-FIL-A
 Trussville FSU
 5886 Trussville Crossings Pkwy.
 Birmingham, AL. 35235

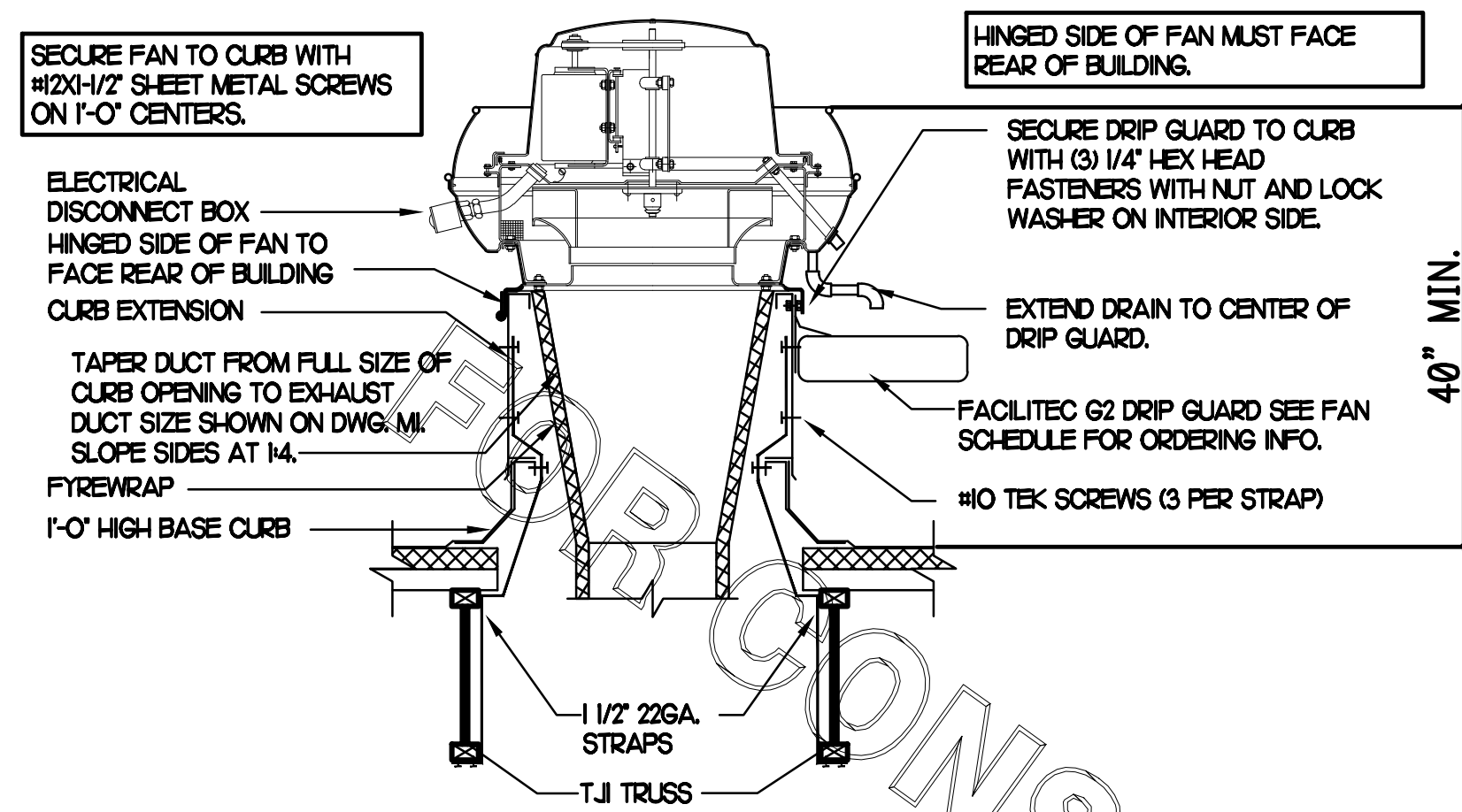
FSR#01143
 BUILDING TYPE / SIZE: S97-Y20

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	01/12/24	Owner Changes

CONSULTANT PROJECT # RO 23001
 PRINTED FOR CONSTRUCTION
 DATE 2/24/2023
 DRAWN BY BF

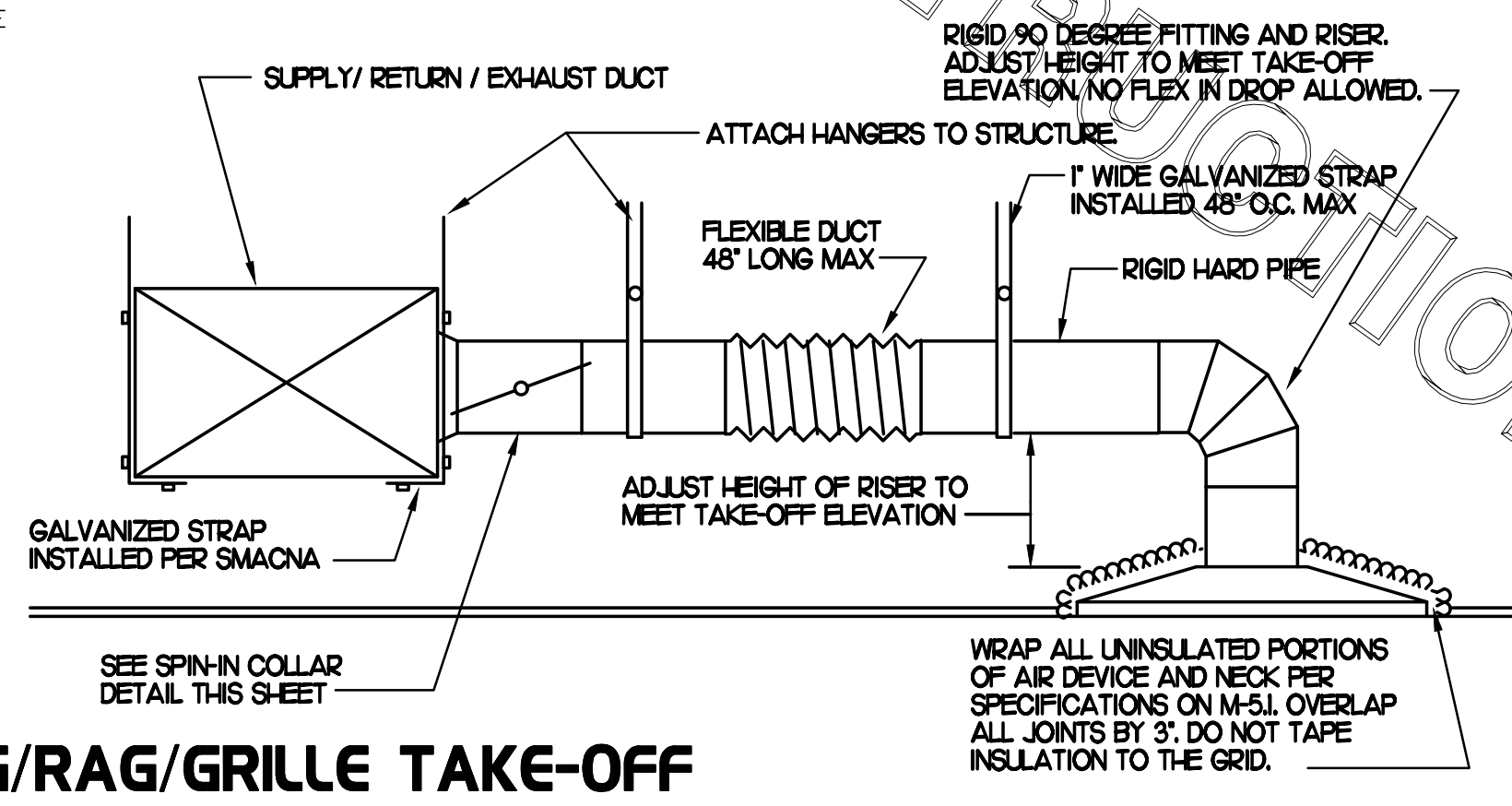
Information contained on this drawing and all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.
 SHEET MECHANICAL SPECIFICATIONS
 SHEET NUMBER

M3.1



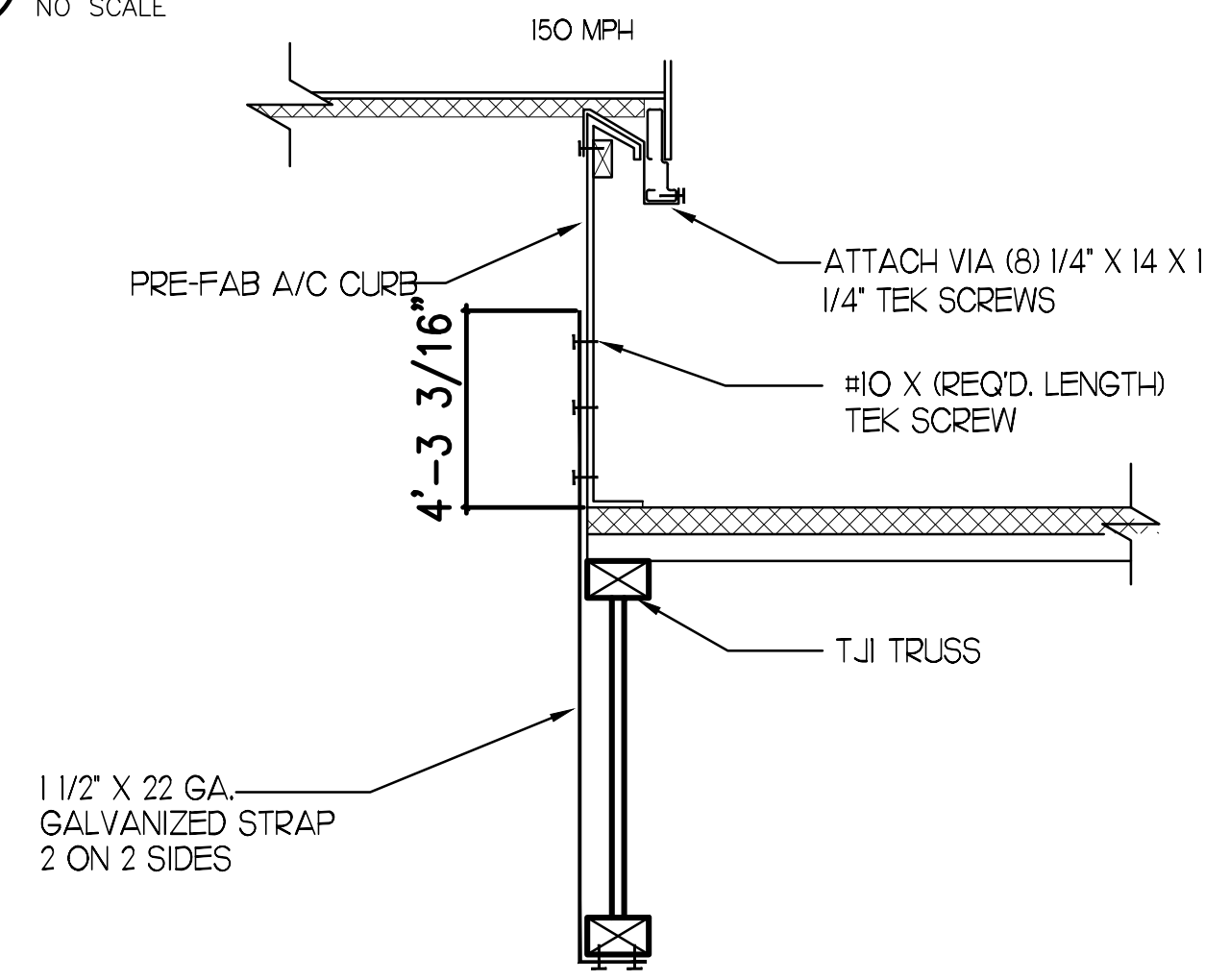
1 KITCHEN HOOD EXHAUST FAN

NO SCALE



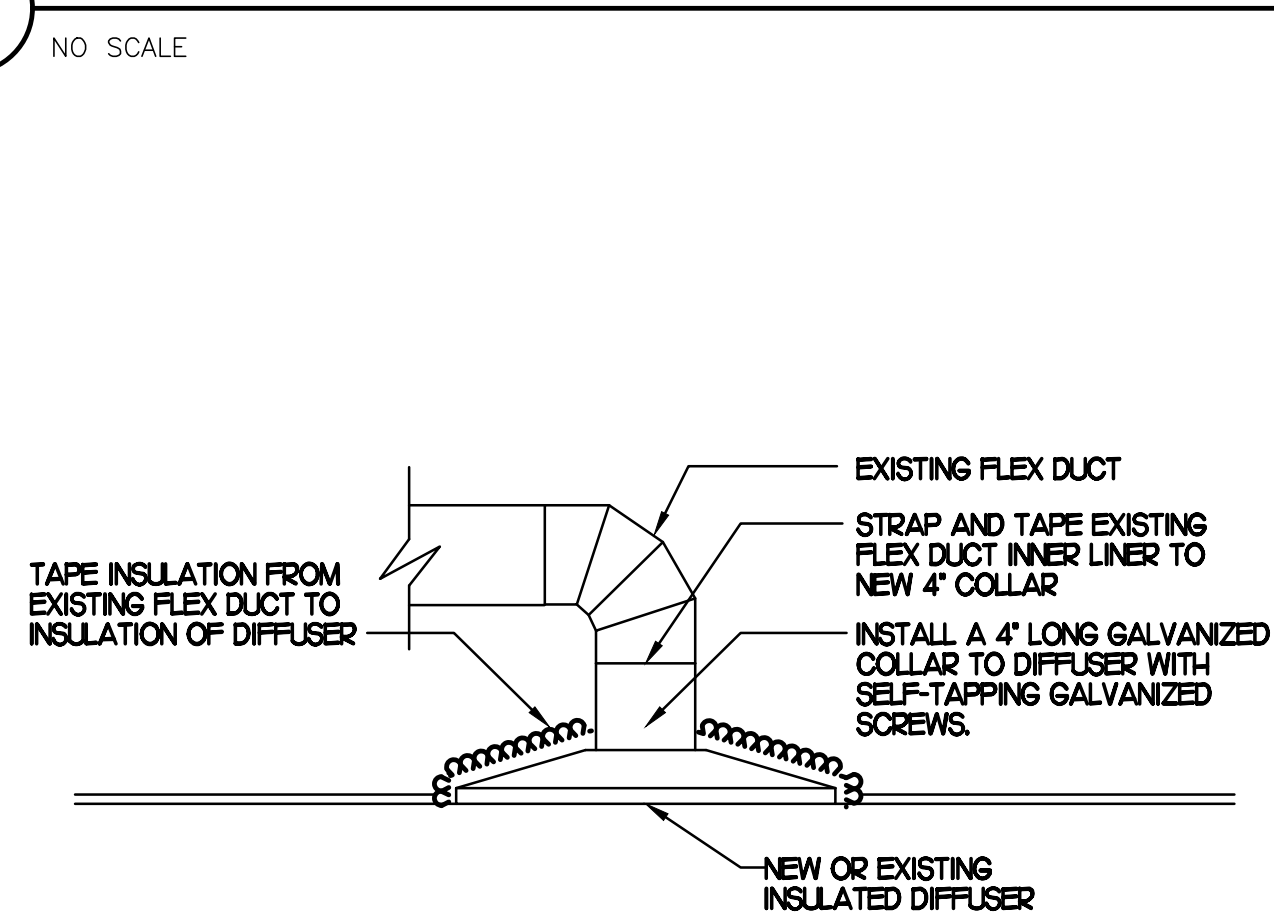
2 SAG/RAG/GRILLE TAKE-OFF

NO SCALE



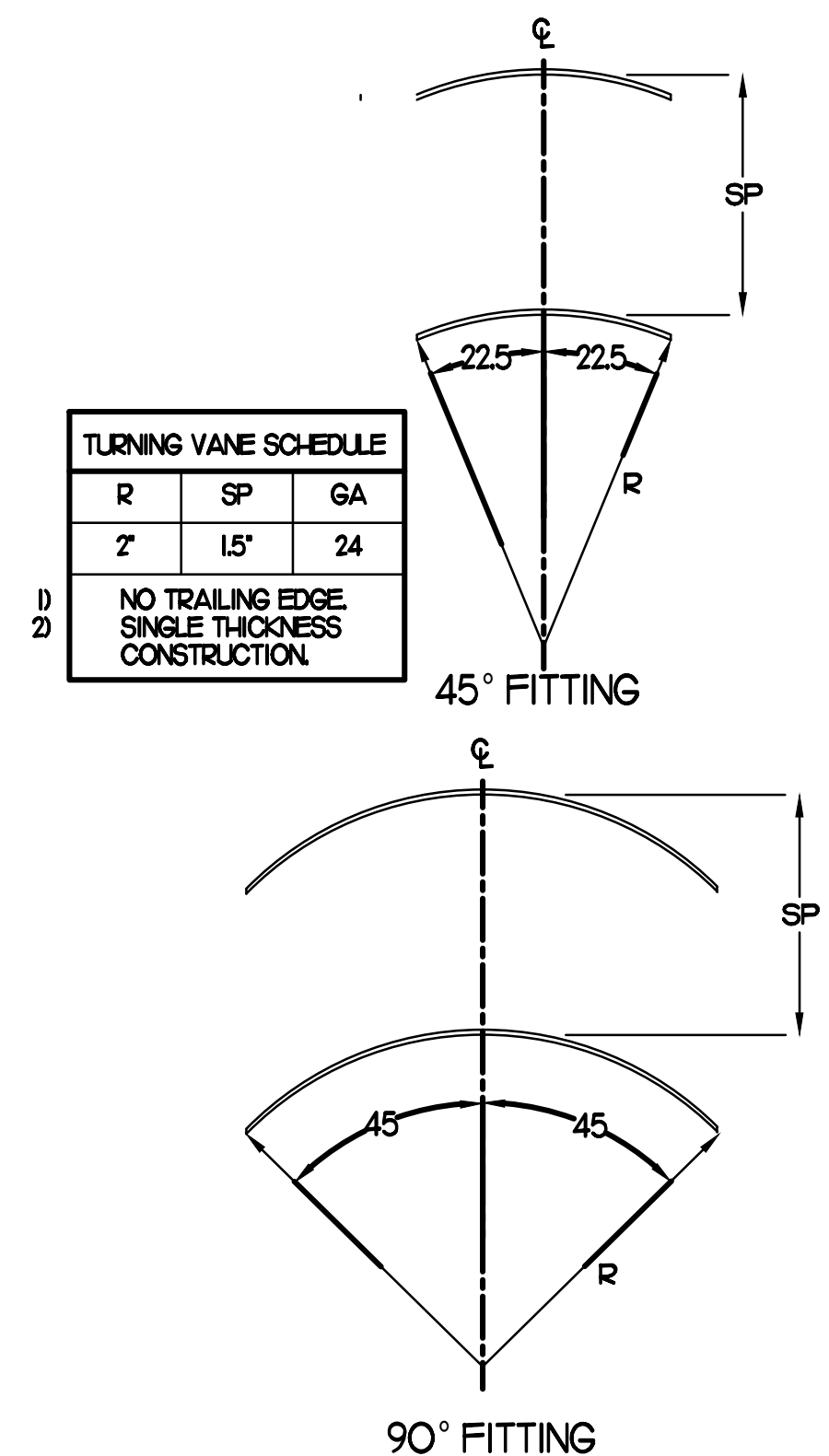
4 RTU TIE-DOWNS DETAIL

NO SCALE



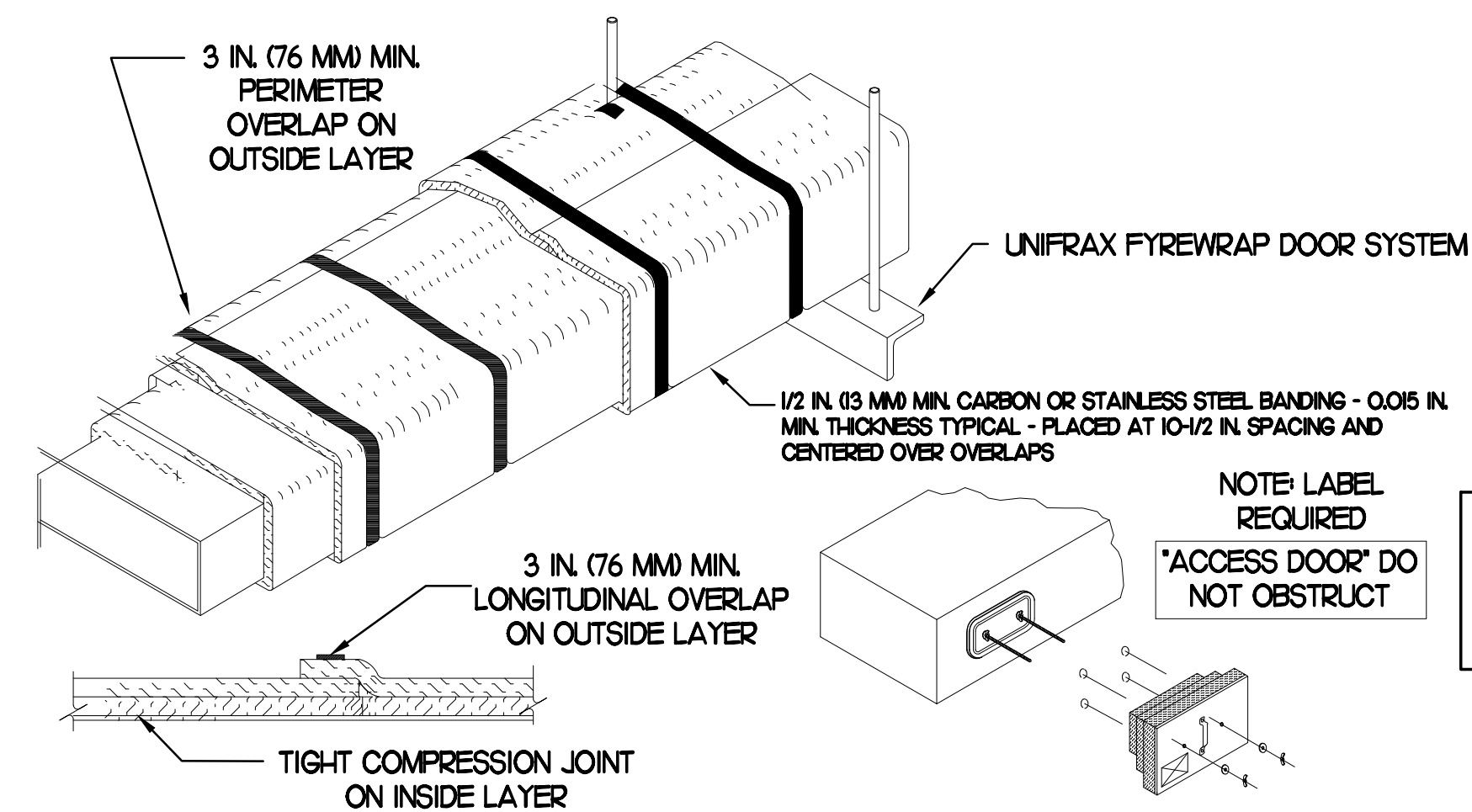
5 DIFFUSER & GRILLE WHEN CEILING IS REPLACED

NO SCALE



6 TURNING VANES

NO SCALE



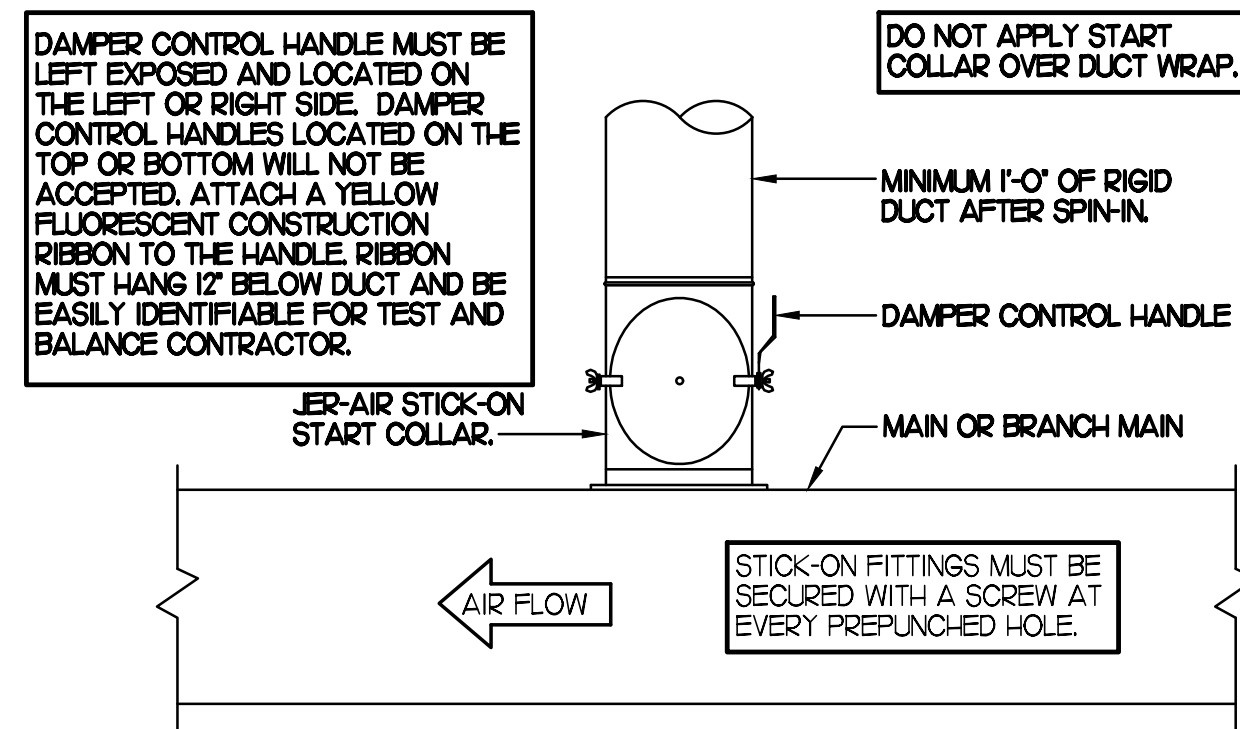
- UNIFRAX FYREWAP ELITE 15 DUCT INSULATION HAS BEEN TESTED IN ACCORDANCE WITH ASTM E 2336 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND MEETS THE REQUIREMENTS FOR ONE OR TWO HOUR ENCLOSURES. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH EITHER ASTM E 814 OR UL 1479. ICC-ES APPROVAL 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: 2012 INTERNATIONAL BUILDING CODE	ELECTRICAL CODE: 2011 NATIONAL ELECTRICAL CODE
PLUMBING CODE: 2012 INTERNATIONAL PLUMBING CODE	ENERGY CODE: N/A
MECHANICAL CODE: 2012 INTERNATIONAL MECHANICAL CODE	FIRE CODE: 2012 INTERNATIONAL FIRE CODE
FUEL GAS CODE: 2012 INTERNATIONAL FUEL GAS CODE	ACCESSIBILITY CODE: 1990 ADA 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 FYREWAP ELITE 15 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 15 DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- UNIFRAX FYREWAP ELITE 15 DUCT WRAP SHALL BE INSTALLED ON THE DUCT FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.

3 GREASE EXHAUST DUCT PROTECTION TO COMBUSTIBLES DETAIL

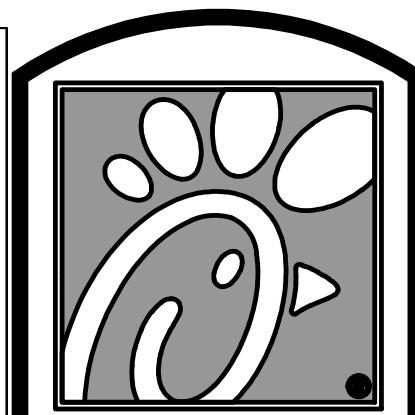
NO SCALE

CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRON 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 BARRON COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0101 FOR PRICING AND AVAILABILITY. JER-AIR START COLLARS NOT PURCHASED THRU TOM BARRON COMPANY WILL NOT BE ACCEPTED.



7 START COLLAR

NO SCALE



Chick-fil-A

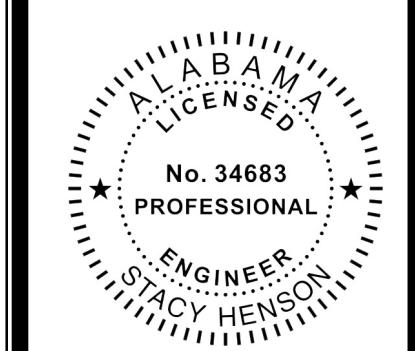
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604 COURTLAND STREET
SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

STORE
TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

SHEET TITLE
MECHANICAL
DETAILS

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.017Z
Store : 1143
Date : 06.2018
Drawn By : CH/NUF
Checked By: JL

Sheet

M-4.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".

PROVIDE 4-22 GA. - 1 1/8" WIDE HURRICANE STRAPS PER REF. UNIT.

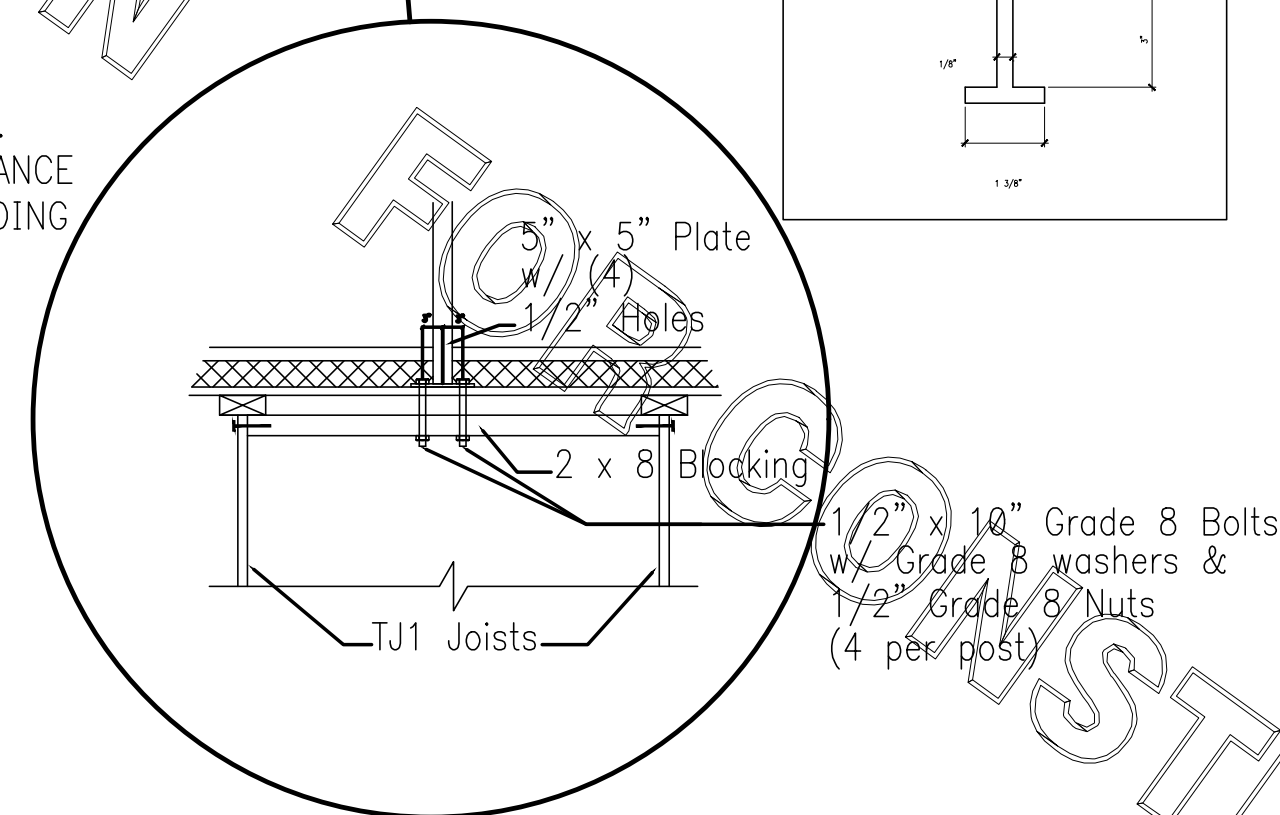
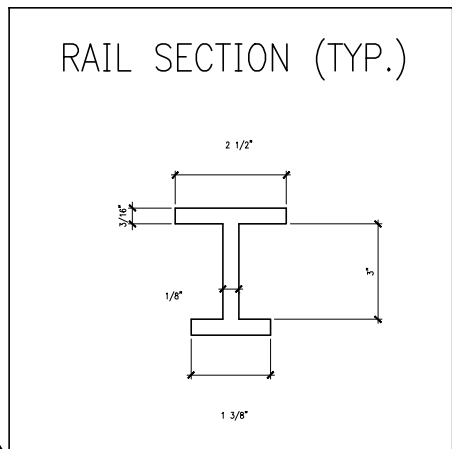
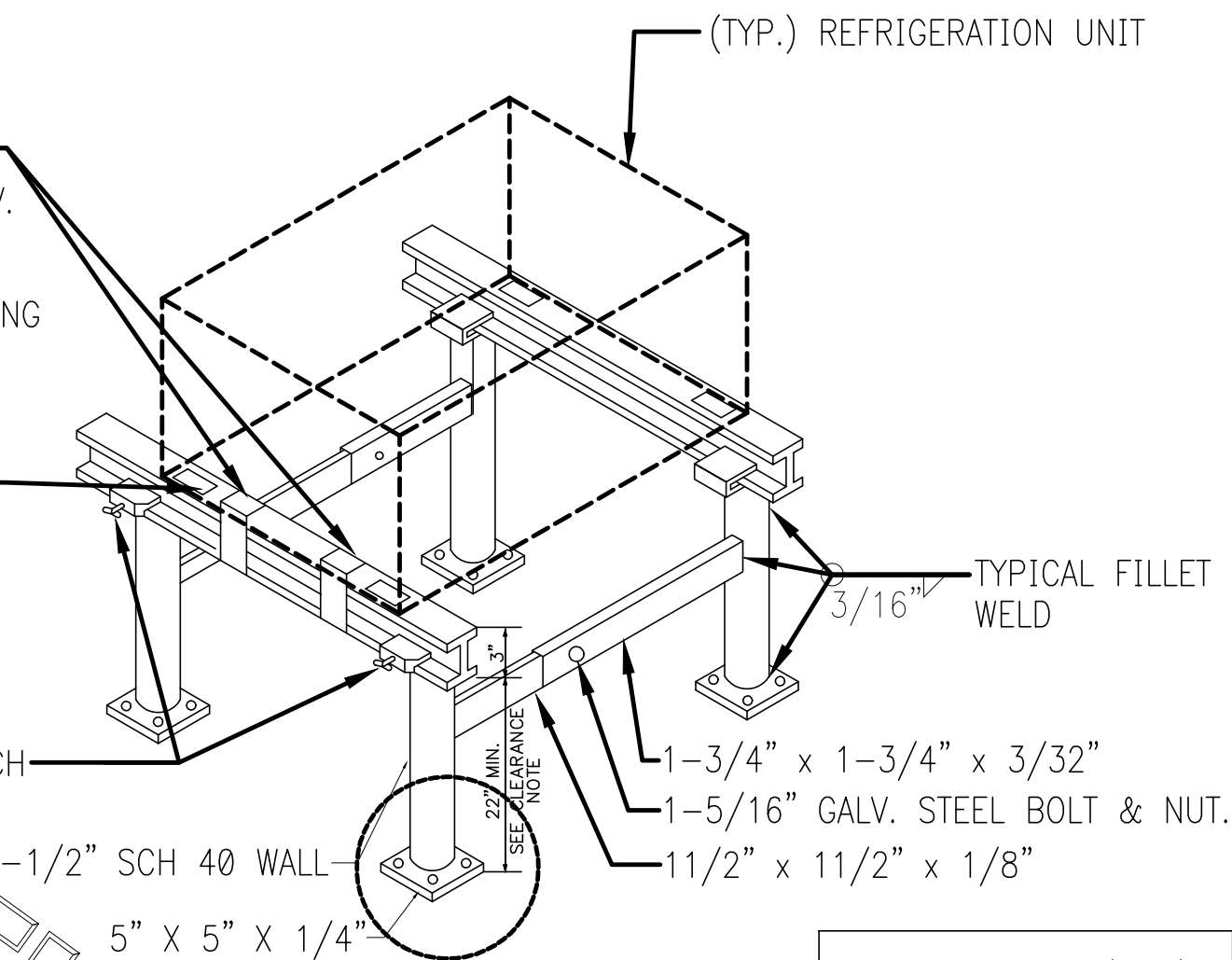
- A.) 2-3/8" X 3/4" LONG A307 STEEL GALV. BOLTS AND NUTS FASTENED TO WEB OF ALUMINUM STAND RAIL.
- B.) 3-10-16 X 3/4" HWH #3 SELF DRILLING HILTI KWIK-FLEX SCREWS TO WEB OF ALUMINUM STAND RAIL.

PAD (TYP.) BY A/C CONTRACTOR
 EXAMPLES:
 RUBBER VIBRATION PAD (RP. 3/4" X 2" X 2")
 (RP. 3/8" X 2" X 2")

1/4" X 3/4" GALVANIZED STEEL THUMBSCREW TIGHTEN WITH TORQUE WRENCH TO REFUSAL.

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



3 REFRIGERATION SYSTEM FRAMING SUPPORT DETAIL

NO SCALE

LEGEND

SUNCOAST ENVIRONMENTAL CONTROLS (SUPPLIER OF TEMP/FAN CONTROL PANEL) LOCATED IN KITCHEN
 KEY NOTE REFERENCE

MC MECHANICAL CONTRACTOR

SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL, ENERGIZED BY PUTTING STORE SWITCH IN 'STORE OCCUPIED' POSITION.

SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL, DE-ENERGIZED WHEN ANSUL FIRE SUPPRESSION SYSTEM IS ACTIVATED, AS NOTED.

18 AWG MIN LOW VOLTAGE WIRING BY MC, UNO. USE BELDEN OR SOUTH-WIRE SINGLE PAIR TWISTED WITH FOIL SHIELD AND DRAIN WIRE FOR SENSORS.

LOW VOLTAGE WIRING BY S.E.C.

LINE VOLTAGE BY ELECTRICIAN OR S.E.C.

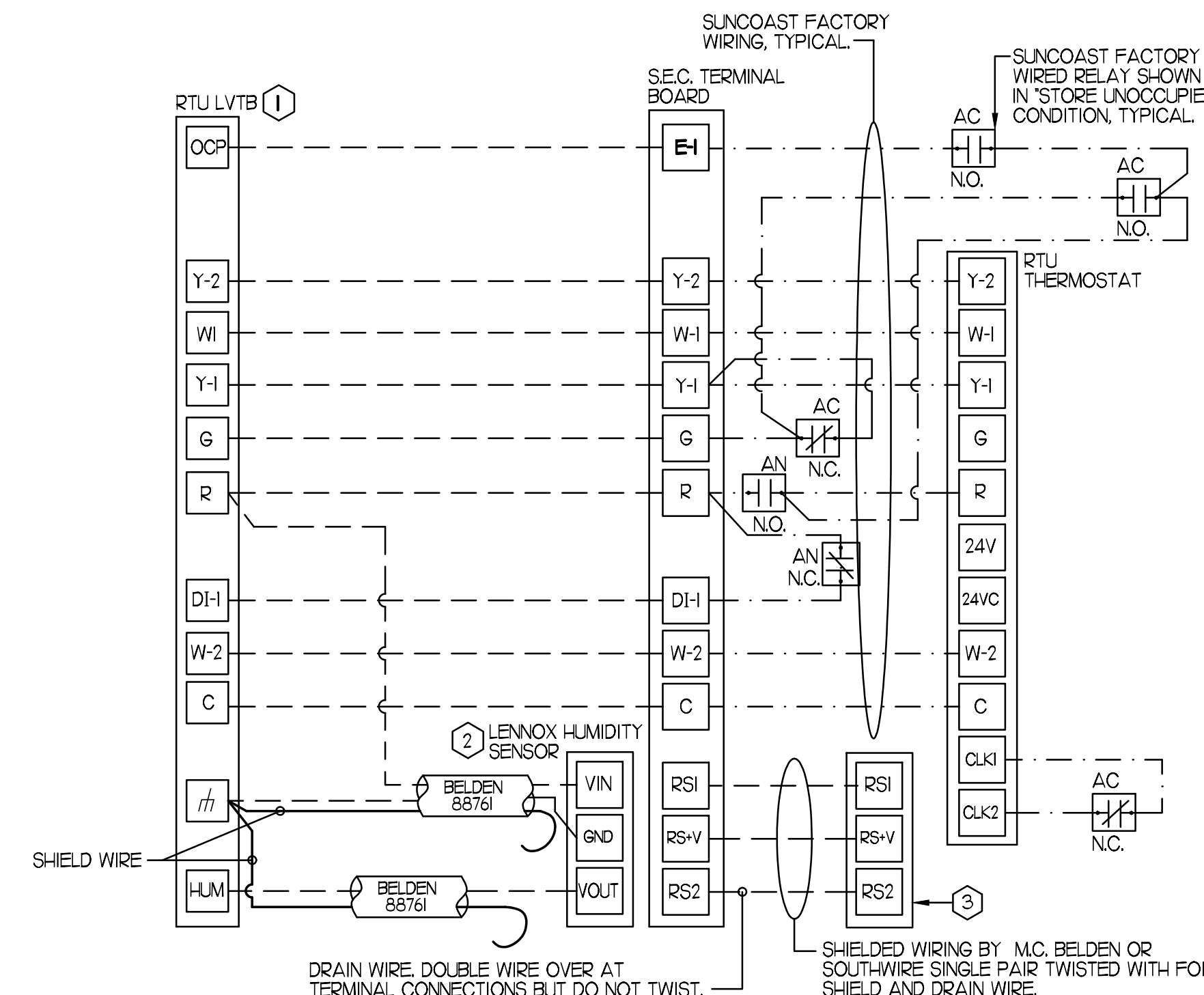
PROVIDE A PROFESSIONALLY LAMINATED COPY OF THESE DETAILS TO BE INSTALLED INSIDE THE ROOFTOP UNIT CONTROL CABINET. USE A SETON CHART FRAME STYLE #6624, TELEPHONE NUMBER 800-243-6624. FOR MOUNTING THE DETAIL, ATTACH THE FRAME TO THE INTERIOR OF THE UNIT IN FLAT AND EASY VIEW OF THE CONTROLS SECTION. CONTACT ENGINEER OF RECORD FOR A REPRODUCIBLE COPY OF THE DETAIL.

NOTES:

1. FOR ALL RTUS EXCEPT AT ACH, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #65 TO ZERO (#68 ON LGH UNITS). ON OLDER BOARDS THIS IS ECTO PARAMETER 3.01 FOR LGH UNITS OR ECTO 2.01 FOR LCH UNITS. THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON 'OCCUPIED' START. AT ACH (LGH TYPE) LEAVE THE SETTING AT THE DEFAULT VALUE SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 60 MINUTES AFTER 'OCCUPIED' START. AT ACH (LGH TYPE) CHANGE THE VALUE TO 5.00 SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 90 MINUTES AFTER 'OCCUPIED' START.
2. MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
3. SEE DETAILS THIS SHEET FOR SMOKE DETECTOR AND ANNUNCIATOR WIRING.
4. AT HUMIDITROL RTUS SET PRODIGY-M3 BOARD CONTROL PARAMETER #105 FOR DEHUMIDIFICATION OPERATION TO A VALUE OF 5. OLDER MI-8 IMC BOARD ECTO PARAMETER 4.24 VALUE TO BE SET TO A VALUE OF 5.
5. SET ALL THERMOSTATS FOR AUTO CHANGEOVER.
6. SET TSTAT COM SWITCH ON PRODIGY BOARD TO OPEN POSITION.
7. FOR MSAY UNITS, SET THE MSAY LOW SPEED SETTING TO THE SAME VALUE AS THE HIGH SPEED SETTING AFTER TAB IS COMPLETE.
8. PROVIDE MYLAR LABEL AT ALL NEW SENSORS WITH 1/2" HIGH BLACK LETTERING ON WHITE BACKGROUND, I.E. 'ACH2 HUMIDITY SENSOR' OR 'ACH2 TEMP SENSOR'. PLACE LABELS DIRECTLY ON SENSOR DEVICE.

KEYED NOTES:

1. LOW VOLTAGE WIRING TO RTU TO BE ROUTED TO UNIT THRU FACTORY WIREWAY.
2. 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.
3. NETWORK TSTAT MODEL# US32-CFA REMOTE TEMP SENSOR. WIRING SHALL BE 18-GAUGE SHIELDED CABLE PROVIDED BY SUNCOAST AND INSTALLED BY MC. FIELD CALIBRATE EACH SENSOR.



2 ROOFTOP UNIT CONTROL WIRING - LENNOX

NONE

SUPPLY SIDE DETECTORS:
 IF SUPPLY SIDE SMOKE DETECTORS ARE SHOWN ON DWG M11, AND CALLED FOR ON RTU SCHEDULE, THE CONTRACTOR IS TO RELOCATE FACTORY INSTALLED SUPPLY SMOKE DETECTOR FROM BLOWER SECTION TO DUCTWORK. SEE NOTES ON DWG M11.

LEGEND

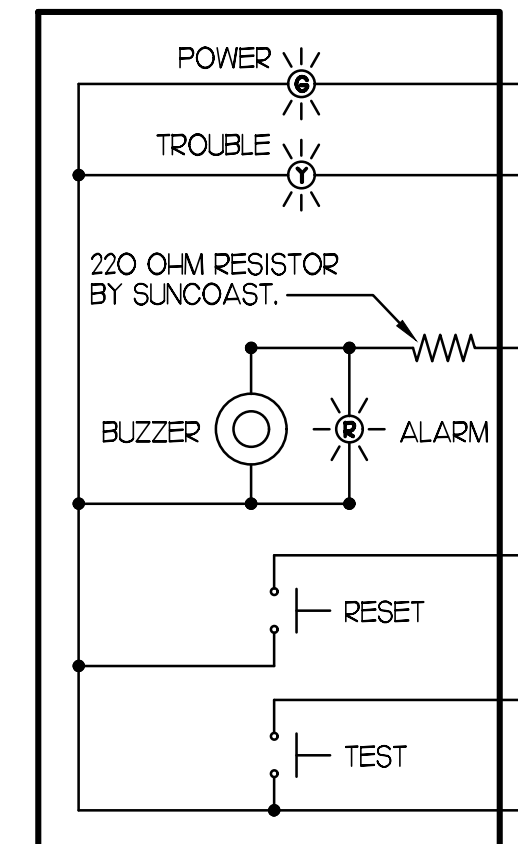
18 AWG MIN WIRING BY MECH CONTRACTOR

FACTORY ANNUNCIATOR DETECTOR WIRING

FACTORY LENNOX WIRING

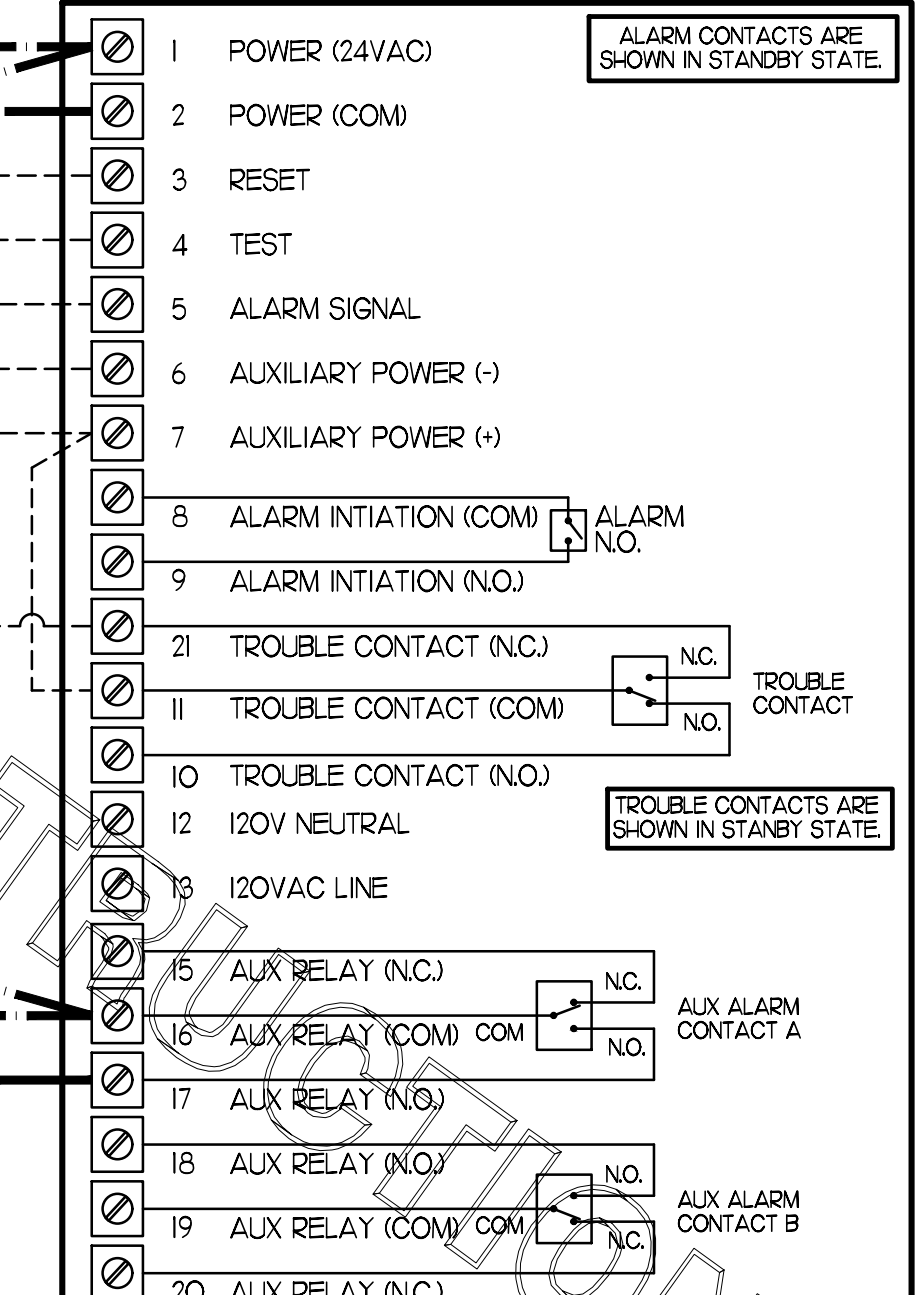
LABELING:
 PROVIDE ENGRAVED LABEL WITH 1/2" HIGH WHITE LETTERS ON BLACK BACKGROUND IDENTIFYING UNIT SERVED.

SUNCOAST CONTROLS ANNUNCIATOR



FIELD INSTALLED WIRING:
 WITHIN THE ROOFTOP UNIT, WIRING SHALL BE ROUTED BY WAY OF FACTORY WIREWAYS ONLY. WIRING ROUTED OVER THE BLOWER HOUSING OR BY WAY OF OTHER ROUTES DETRIMENTAL TO THE WIRING LIFE WILL NOT BE ACCEPTED.

LENNOX FACTORY WIRING



1 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM - LENNOX

NO SCALE



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SHEET TITLE
 MECHANICAL
 DETAILS

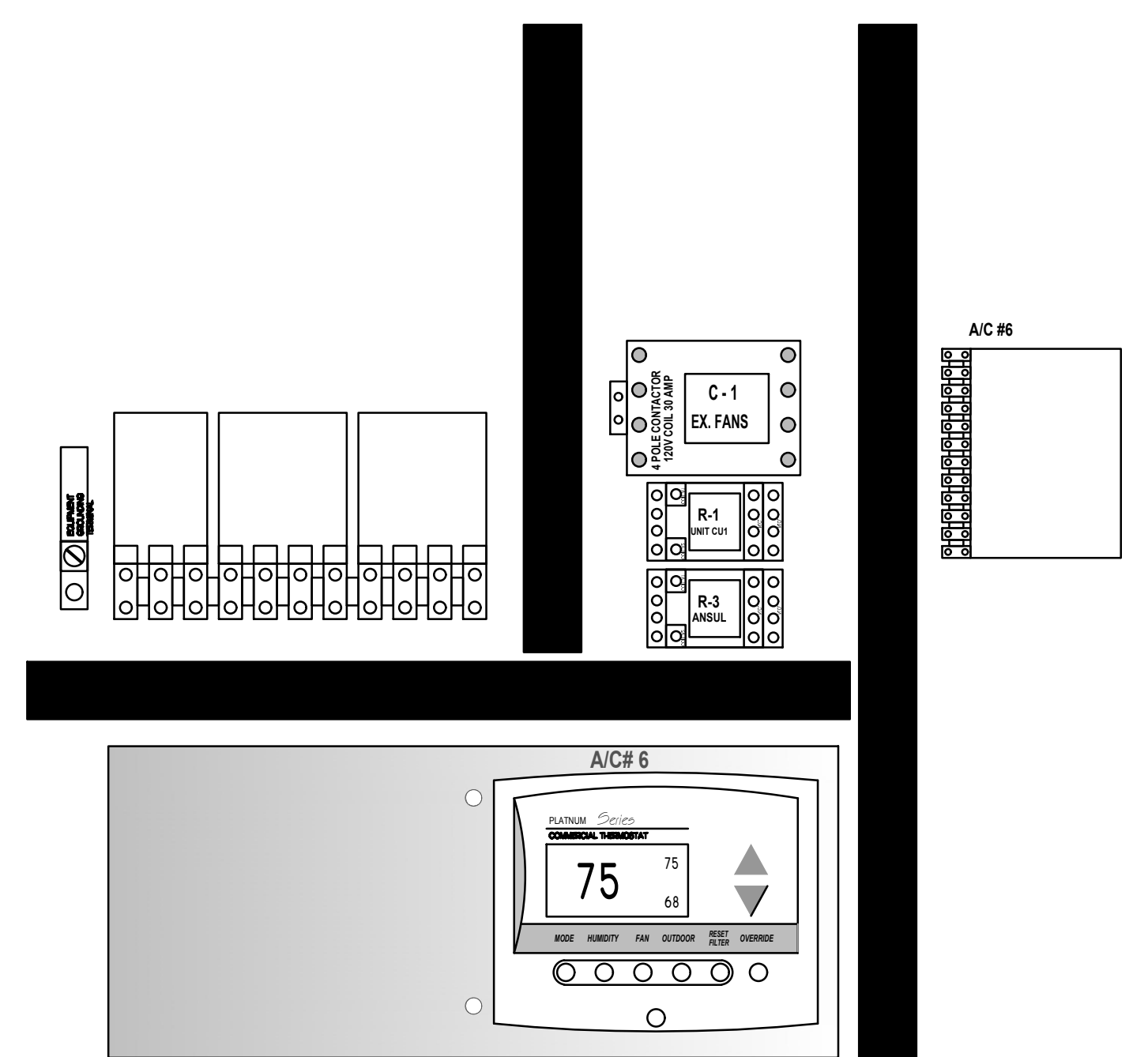
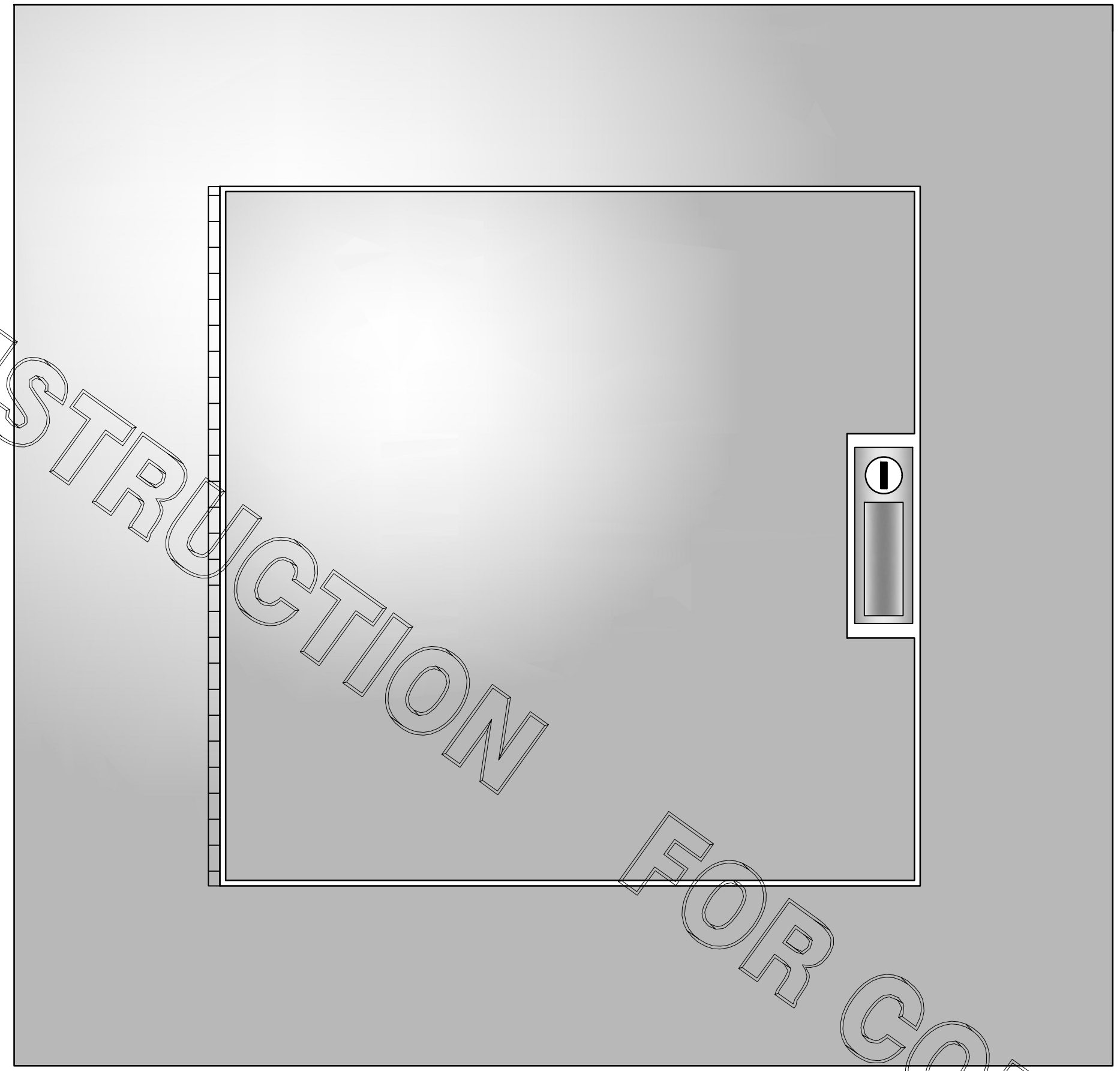
VERSION: 2018-008
 ISSUE DATE: 05-2018

Job No. : 17.0177
 Store : 1143
 Date : 06.2018
 Drawn By : CH/NJF
 Checked By : JL

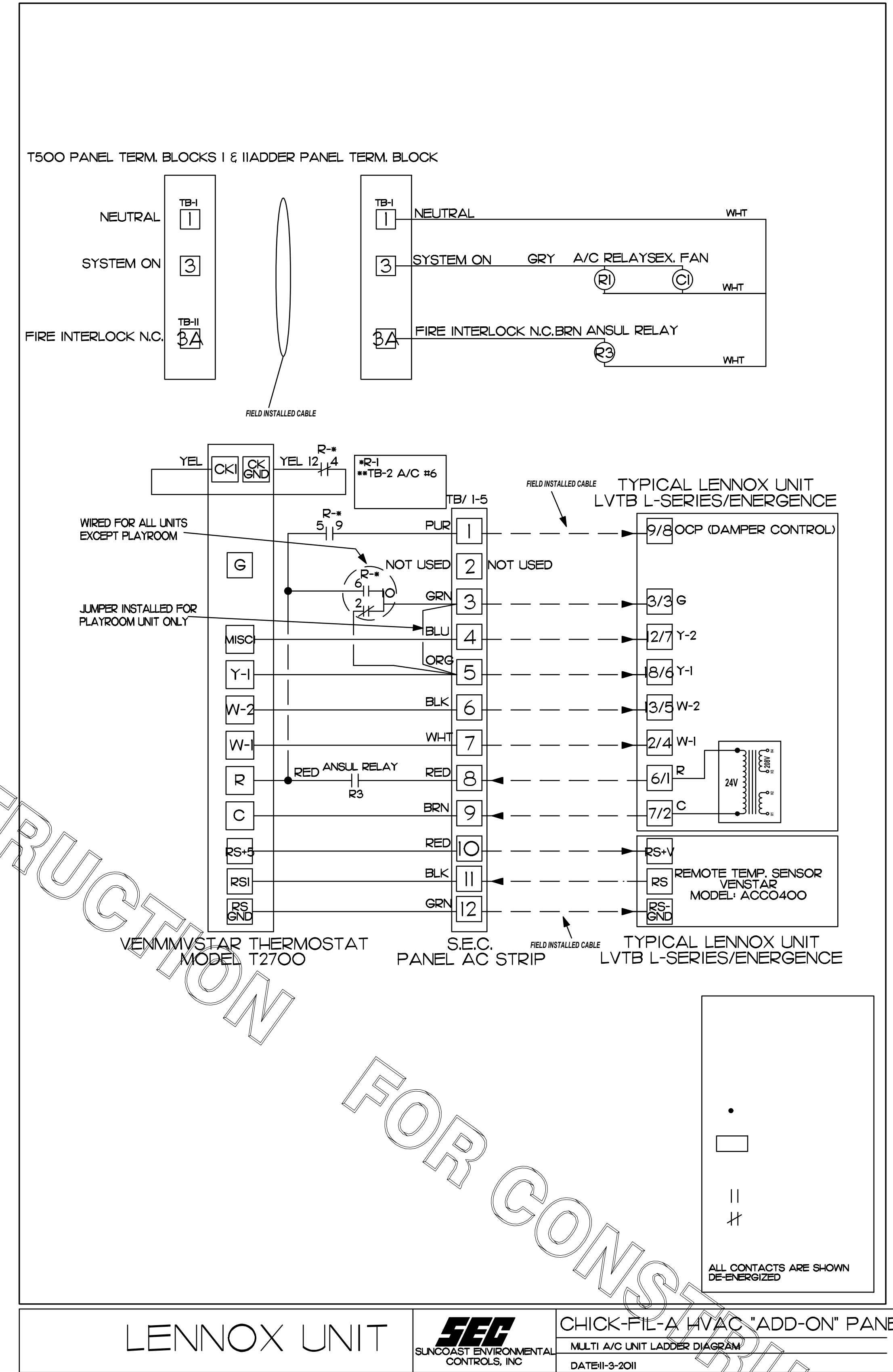
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M-4.2

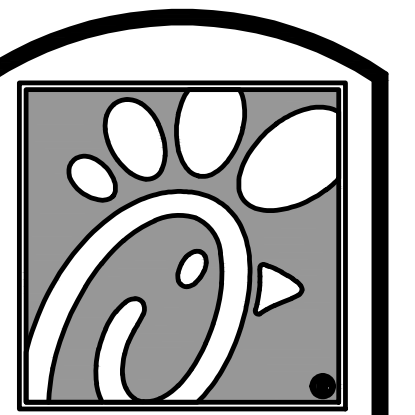
FOR CONSTRUCTION



1 SUNCOAST PANEL
NONE



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

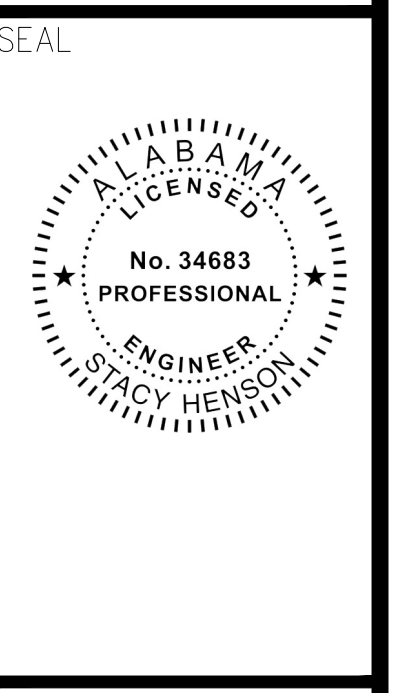


Chick-fil-A

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SUITE 100
ORLANDO, FLORIDA 32804
PH 407.646.5008
FX 407.629.9124

STORE
TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE
CROSSINGS PKWY
BIRMINGHAM, AL
35235-8633

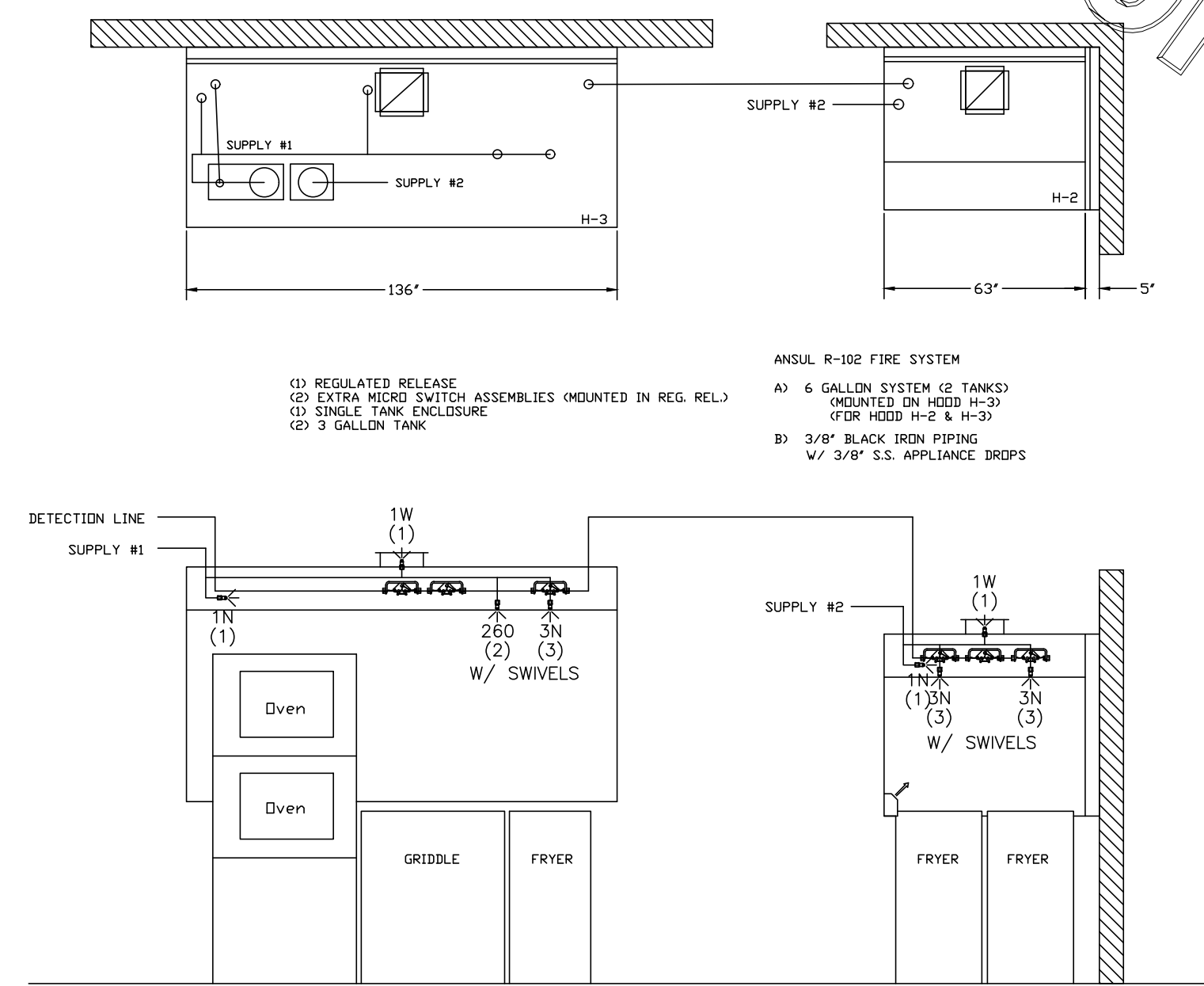
SHEET TITLE
MECHANICAL
CONTROLS

VERSION: 2018-008
ISSUE DATE: 05-2018

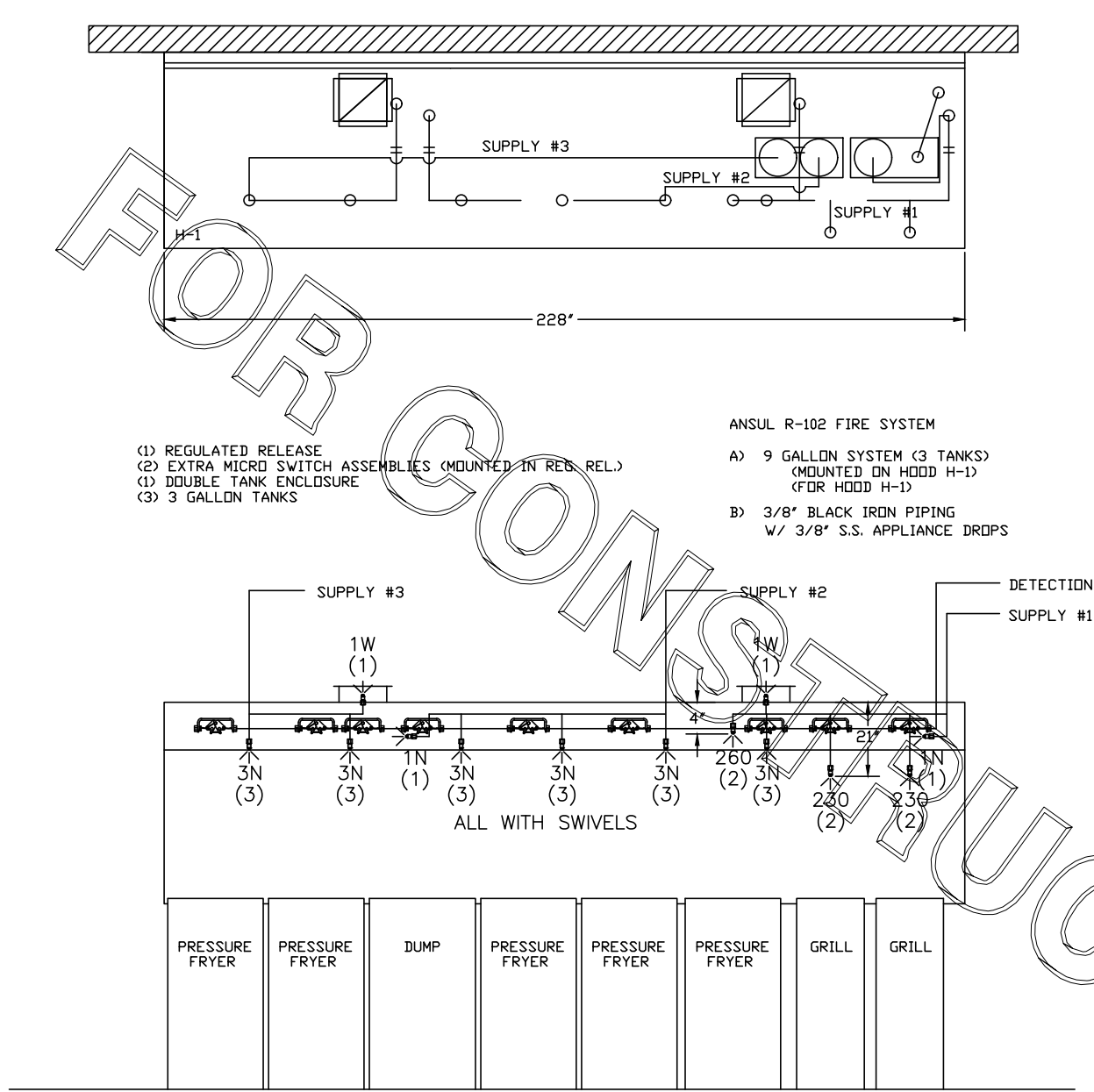
Job No. : 17.0177
Store : 1143
Date : 06.2018
Drawn By : CH/NJF
Checked By : JL

Sheet
M-4.3

FOR CONSTRUCTION



ANSUL R-102 FIRE SYSTEM LAYOUT



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-1)
MAXIMUM FLOW POINTS = 33

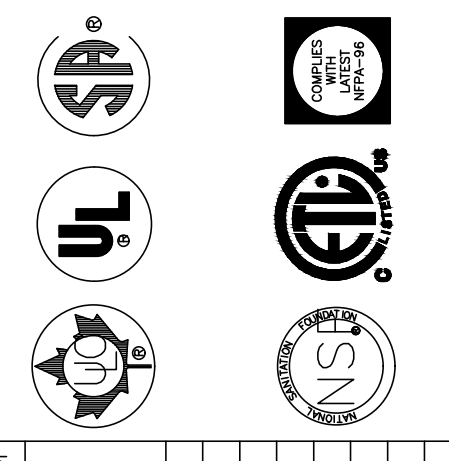
ANSUL R-102 FIRE SYSTEM NOTES
TWO TANK SYSTEM MOUNTED ON TOP OF (H-3)
MAXIMUM FLOW POINTS = 22

ITEM #	QTY	DESCRIPTION	FLOW PTS (TOTAL)
1W	4	DUCT NOZZLES	4
1N	4	PLENUM NOZZLES	4
230	2	APPLIANCE NOZZLES	4
3N	9	APPLIANCE NOZZLES	27
260	2	APPLIANCE NOZZLES	4
TOTAL FLOW POINTS - 43			

ITEM #	QTY	DESCRIPTION
#200	13	SERIES DETECTORS W/ FUSIBLE LINKS
#201	2	TERMINAL DETECTOR W/ FUSIBLE LINKS
#202	2	REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH
#203	5	3 GALLON TANKS
#204	1	SINGLE TANK ENCLOSURE
#205	1	DOUBLE TANK ENCLOSURE
#206	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:
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 RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.
 REVISE AND RESUBMIT
 APPROVED FOR FABRICATION
 WITH NO CHANGES
 WITH CHANGES AS NOTED



MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:	WEBSITE: WWW.HALTONCOMPANY.COM
HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTSDALE, AZ 85060 TEL: 480-237-5600	DATE: _____
HALTON CO. (CANADA) 021 BREVIK PLACE 3R7 MISSISSAUGA, ONT L4V 1R7 TEL: 905-624-0301	BY: _____
REV. 1	DATE: _____
REV. 2	DATE: _____
REV. 3	DATE: _____
REV. 4	DATE: _____
REV. 5	DATE: _____
REV. 6	DATE: _____
REV. 7	DATE: _____

PROJECT: CHICK-FIL-A #11143
TRUSSVILLE

LOCATION: BIRMINGHAM, AL

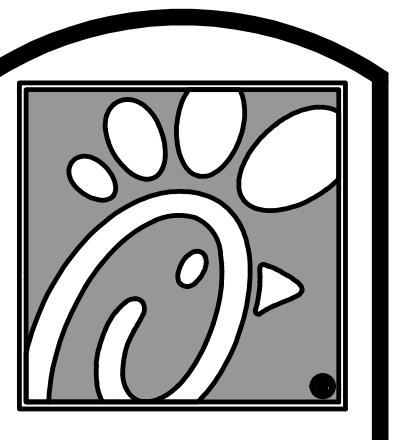
DRAWN BY: M.H. DATE: 07.20.18

SCALE: NTS

Halton Dwg. U18-628-02

Halton
CARE FOR INDOOR AIR

Sheet H-1.1



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△	_____	_____
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△	_____	_____
△	_____	_____

FOR INFORMATION ONLY

INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

604 COURTLAND STREET SUITE 100
ORLANDO, FLORIDA 32804
PH 407.646.5008
FX 407.629.9124

STORE TRUSSVILLE
FSU 1143
S97-120
5886 TRUSSVILLE CROSSINGS PKWY
BIRMINGHAM, AL 35235-8633

SHEET TITLE
HALTON HOODS DETAILS

VERSION: 2018-008
ISSUE DATE: 05-2018

Job No. : 17.017Z
Store : 1143
Date : 06.2018
Drawn By : CH/NJF
Checked By : JL

Sheet
MH-1.2