

### 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 M31. 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 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.
- ⑥ EXISTING ROOFTOP HVAC UNIT TO REMAIN. MECHANICAL CONTRACTOR TO CLEAN AND ADJUST UNIT. CHEMICALLY CLEAN COILS, PERFORM AN OIL SAMPLE TEST ON COMPRESSORS TO VERIFY CONDITION. REPLACE BELTS, VERIFY ALL CONTROLS ARE FUNCTIONAL AND MAKE SURE ALL EQUIPMENT IS IN PROPER OPERATING CONDITION. REPLACE ANY DEFECTIVE PARTS OR EQUIPMENT, GREASE AND/OR REPLACE IF REQUIRED, FAN BEARINGS, CHECK SHAFT FOR SCORING AND CHECK MOTORS FOR PROPER AMPERAGE DRAIN. CLEAN OR REPLACE CONDENSATE DRAIN LINE AS REQUIRED. REBALANCE CFM AS SHOWN ON PLANS, RTU SCHEDULE, & KITCHEN/DINING PRESSURIZATION SCHEDULE. FURNISH UNIT WITH THREE SETS OF STANDARD FILTERS. CONTRACTOR TO REPLACE FILTERS JUST PRIOR TO AIR BALANCE AND ONCE AGAIN AFTER FINAL STORE CLEANING IS COMPLETE. REFER TO ROOFTOP UNIT SCHEDULE SHEET M31 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 LOCATION AND LOCATION PRIOR TO BID.
- ⑦ STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 SENSOR ANALOG- AX60. SENSOR SHALL BE MOUNTED AT 12" AFF WITH SPLASH GUARD AND CAGE. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE REQUIREMENTS. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. FOR MORE INFORMATION CONTACT : STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
- ⑧ STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 ANNUNCIATOR MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. FOR MORE INFORMATION CONTACT : STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
- ⑨ STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO2 CENTRAL CONTROL UNIT MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. COORDINATE WITH ELECTRICAL DRAWING E22 FOR EXACT LOCATION. FOR MORE INFORMATION CONTACT : STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
- ⑩ CONTRACTOR TO INSTALL OVERFLOW SWITCH INSIDE ROOFTOP UNIT DRAIN PAN ON 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 M31 AND LENNOX SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM ON SHEET M42. SEE ADDED BOXED NOTE SHEET M31 HVAC SCHEDULE REGARDING SUPPLY SIDE SMOKE DETECTOR.
- ⑬ BRANCH TAKE-OFFS ARE NOT TO BE LOCATED CLOSER THAN 3'-0" FROM ANY ELBOW INCLUDING THE SUPPLY AIR DROP FROM CURB.
- ⑭ R/A DUCT DROP TO BE FULL SIZE OF CURB CONNECTION. PROVIDE PLENUM BOX ABOVE CEILING AS SHOWN ON PLAN.
- ⑮ SEE ELEVATION ON M21 FOR CJ FAN DUCTING REQUIREMENTS.

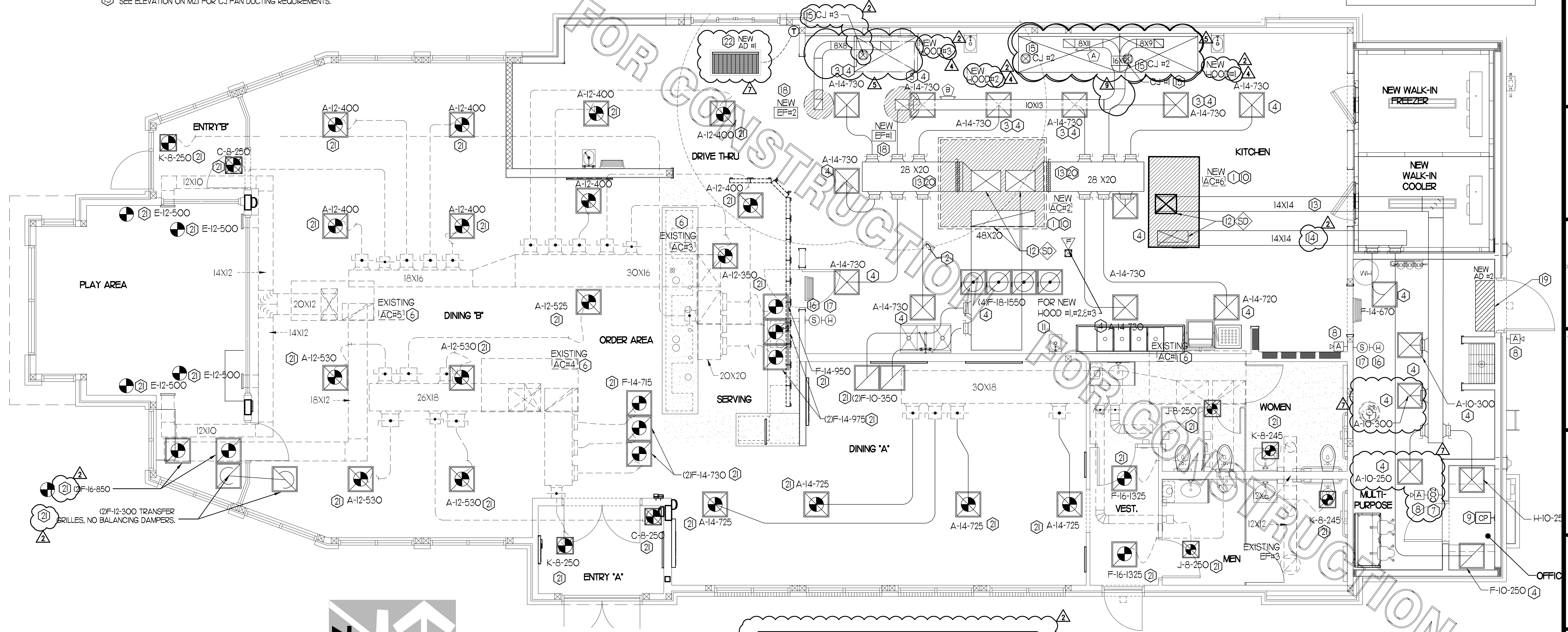
- ⑯ MOUNT NEW LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
- ⑰ MOUNT NEW REMOTE TEMPERATURE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL. FOR SENSOR SERVING KITCHEN ACH1, 5'-8" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PRIOR TO BID AND CONSTRUCTION.
- ⑱ PROVIDE NEW FAN WITH NEW CURB AT LOCATION SHOWN ON PLAN. LOCATE A MINIMUM OF 10 FT FROM PARAPET WALLS IF PARAPET IS LOWER THAN 42" OR FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING. SEE DETAIL ON M41 FOR ORIENTATION OF HINGE SIDE OF FAN ON CURB.
- ⑲ REPLACE EXISTING AIR CURTAIN WITH NEW, AD#2 MOUNTED 7'-0" AFF TO BOTTOM OF UNIT. REFER TO M31 FOR MORE INFORMATION. FACTORY PROVIDED AND MOUNTED THERMOSTAT ON RIGHT SIDE OF AIR CURTAIN.
- ⑲C PROVIDE RUSKIN CD35 MANUAL BALANCING DAMPER WITH 6" MAXIMUM BLADE WIDTH, OPPOSED BLADE ACTION, LOCKING QUADRANT HANDLE WITH 2" STANDOFF AND 16 GA GALVANIZED BLADE AND FRAME CONSTRUCTION.
- ⑳ REPLACE EXISTING AIR DEVICE WITH NEW. CONNECT TO EXISTING DUCT SYSTEM. CONTRACTOR SHALL INSTALL NEW DUCT AS REQUIRED. ALL NEW ADDED DUCTWORK SHALL BE RIGID. USE OF FLEX DUCT IS LIMITED TO A MAXIMUM OF 4'-0" AROUND OBSTRUCTIONS. NO EXCEPTIONS (TYP. ALL). INSTALL HARD 90'S DOWN TO SUPPLY AIR & RETURN AIR GRILLES. SEE TAKE-OFF DETAIL ON SHEETS M41 & SPECIFICATIONS ON M51. RE-BALANCE TO AIR QUANTITY AS SHOWN ON PLAN. PROVIDE WITH ACCESSIBLE MANUAL VOLUME DAMPER. WHERE DUCTWORK IS BEING RE-USED, PROVIDE A 4 INCH COLLAR ON EACH DIFFUSER, STRAP & TAPE THE DIFFUSER TO ANY EXISTING DUCTWORK. SEE 'DIFFUSER & GRILLE DETAIL FOR NEW CEILING' ON SHEET M41. INSULATE AND RECONNECT AS REQUIRED (TYP.) ALL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DEVICE LOCATIONS WITH LIGHTING AND CEILING LAYOUT AND ALL WALL ELEMENTS AS REQUIRED PRIOR TO BID.
- ㉑ AIR CURTAIN, AD#1 MOUNTED IN CEILING GRID • 2'-1/4" OFF THE EXTERIOR WALL. MECHANICAL CONTRACTOR SHALL ADJUST AIR DEFLECTORS TOWARD BOTTOM OF TORMAX DOOR OPENING.

### 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-31. IF AIRFLOWS DIFFER BY MORE THAN 5%, CONTACT CFA CONSTRUCTION MANAGER.
- 3. NO PIPING OR DUCTWORK ALLOWED ABOVE ANY ELECTRICAL/CONTROL PANELS.
- 4. COORDINATE NEW WORK WITH EXISTING CONDUITS, STRUCTURE, & PIPING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY DESIGN TEAM WITHOUT DELAY IF ACTUAL LOCATION OF EXISTING MECHANICAL EQUIPMENT DOES NOT MATCH FLOOR PLAN.
- 5. CONTRACTOR SHALL CLEAN & 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.

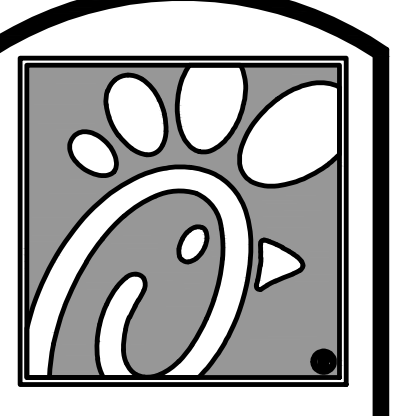
**NOTE:**  
ALL NEW HOODS SHALL BE RATED WITH ONE INCH THICK LAYER OF FACTORY INSTALLED INSULATION TO MEET "ZERO INCH CLEARANCE" TO COMBUSTIBLE MATERIALS. HOOD SHALL BE CERTIFIED BY ETL SPECIFICATIONS, AND SHALL CONFORM TO ILL STANDARD 710, BUILT PER NFPA 96 SECTION 4.2.2, AND NSF LISTED.

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



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

\* ALL ROOFTOP EQUIPMENT SHALL BE SCREENED WITH ARCHITECTURAL FEATURES TO PROVIDE OPAQUE SCREENING FROM ALL VIEW ANGLES. THE LDC REQUIRES ALL ROOFTOP MECHANICAL EQUIPMENT TO BE SCREENED USING ARCHITECTURAL FEATURES CONSISTENT WITH THE STRUCTURE.



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Revisions:

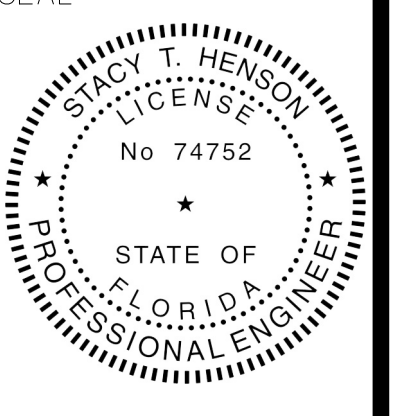
Mark	Date	By
4	01/24/20	CH
BUILDING		
5	02/05/20	CH
KITCHEN		
7	02/26/20	CH
ARCH/CIVIL		
9	03/23/20	CH
KITCHEN UPDATES		

COMMENTS

UPDATES

COORDINATION

SEAL



STACY HENSON, P.E.  
LICENSE NO: 74752

This item has been electronically signed and sealed by Stacy Henson on 4/22/2024. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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SHEET TITLE  
MECHANICAL  
FLOOR PLAN

VERSION: 2019-045  
ISSUE DATE: 06/28/19

Job No. : 19.0327  
Store : 01214  
Date : 07/19  
Drawn By : CH  
Checked By : JL

Sheet  
**MI**

### 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 FyreWRAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FyreWRAP PRODUCT USED SHALL MEET LOCAL CODE REQUIREMENTS.
- SUPPORT HOOD#1, HOOD #2, HOOD#3 WITH T-READED 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	832	0.23	55 @ 0.30'	CANOPY	9'X8'	74	37	38	HALTON	KVL-2	I
NEW HOOD#2	1080	0.24	72 @ 0.30'	CANOPY	11'X8'	96	37	38	HALTON	KVL-2	I
NEW HOOD#3	1000	0.31	45 @ 0.29'	CANOPY	10'X8'	60	34	38	HALTON	KVL-C	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-H1 & M-H1.2 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-H1) FOR INFORMATION ON CAPTURE JET FAN.

#### CLEANOUT DOOR NOTE

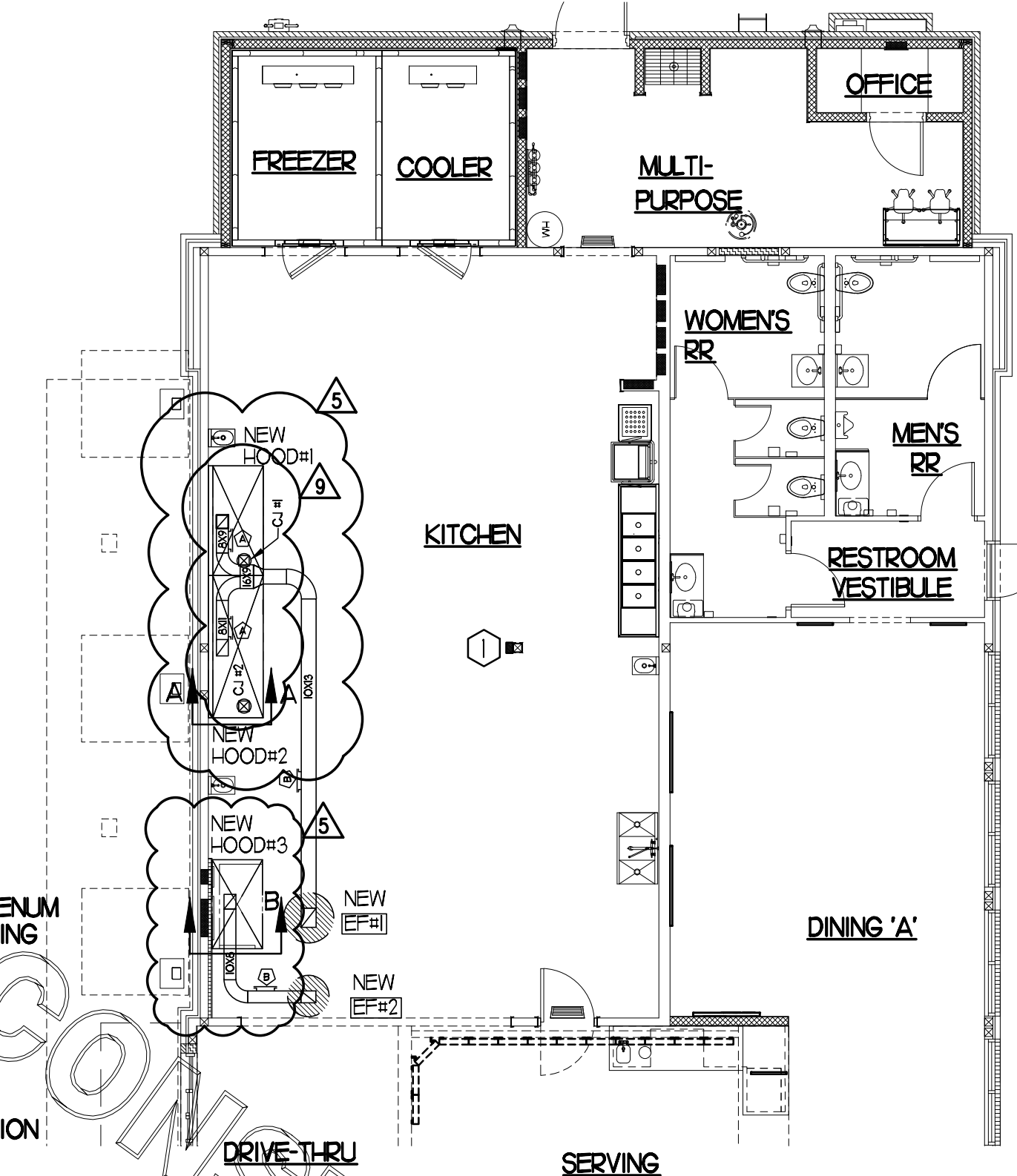
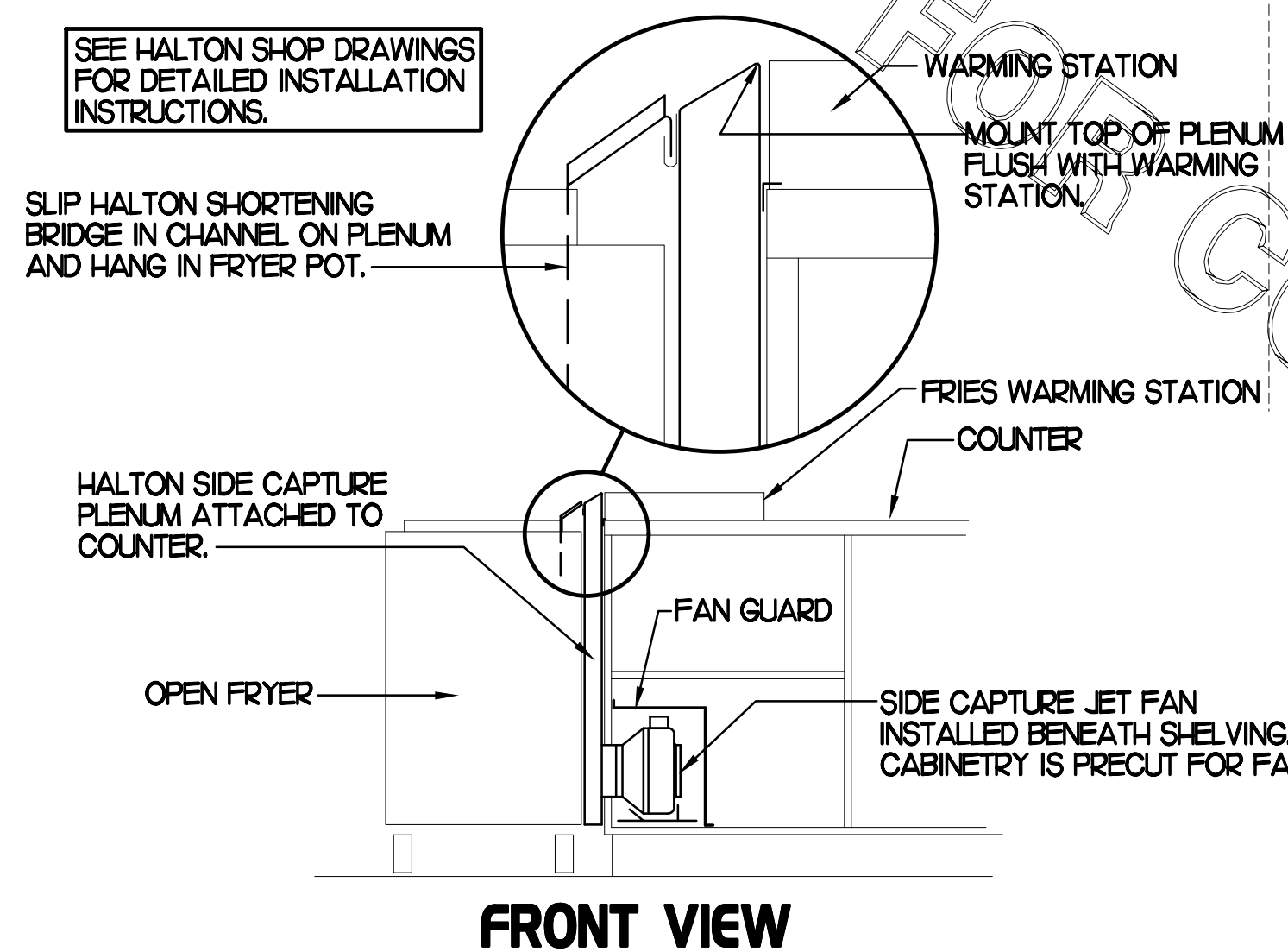
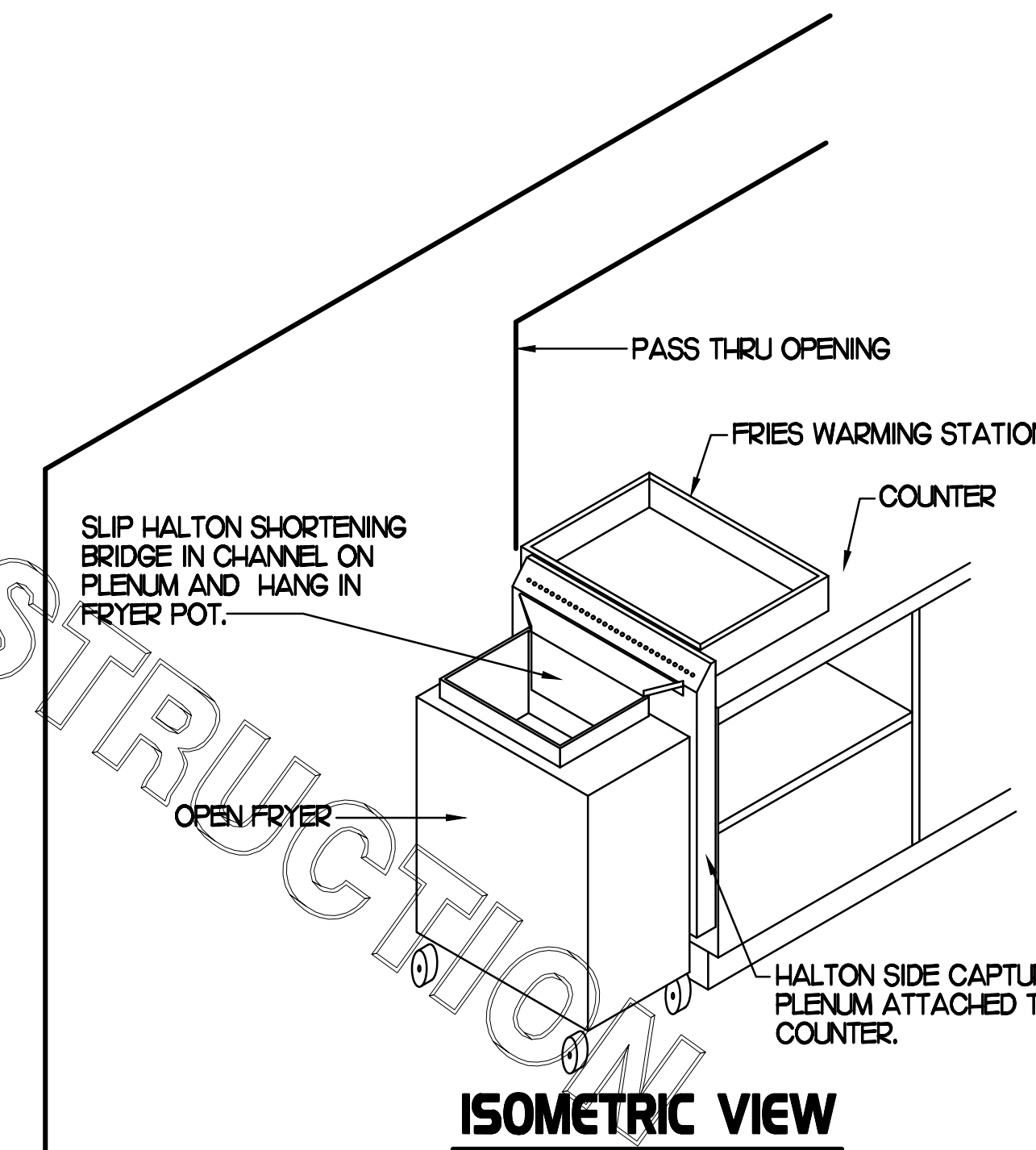
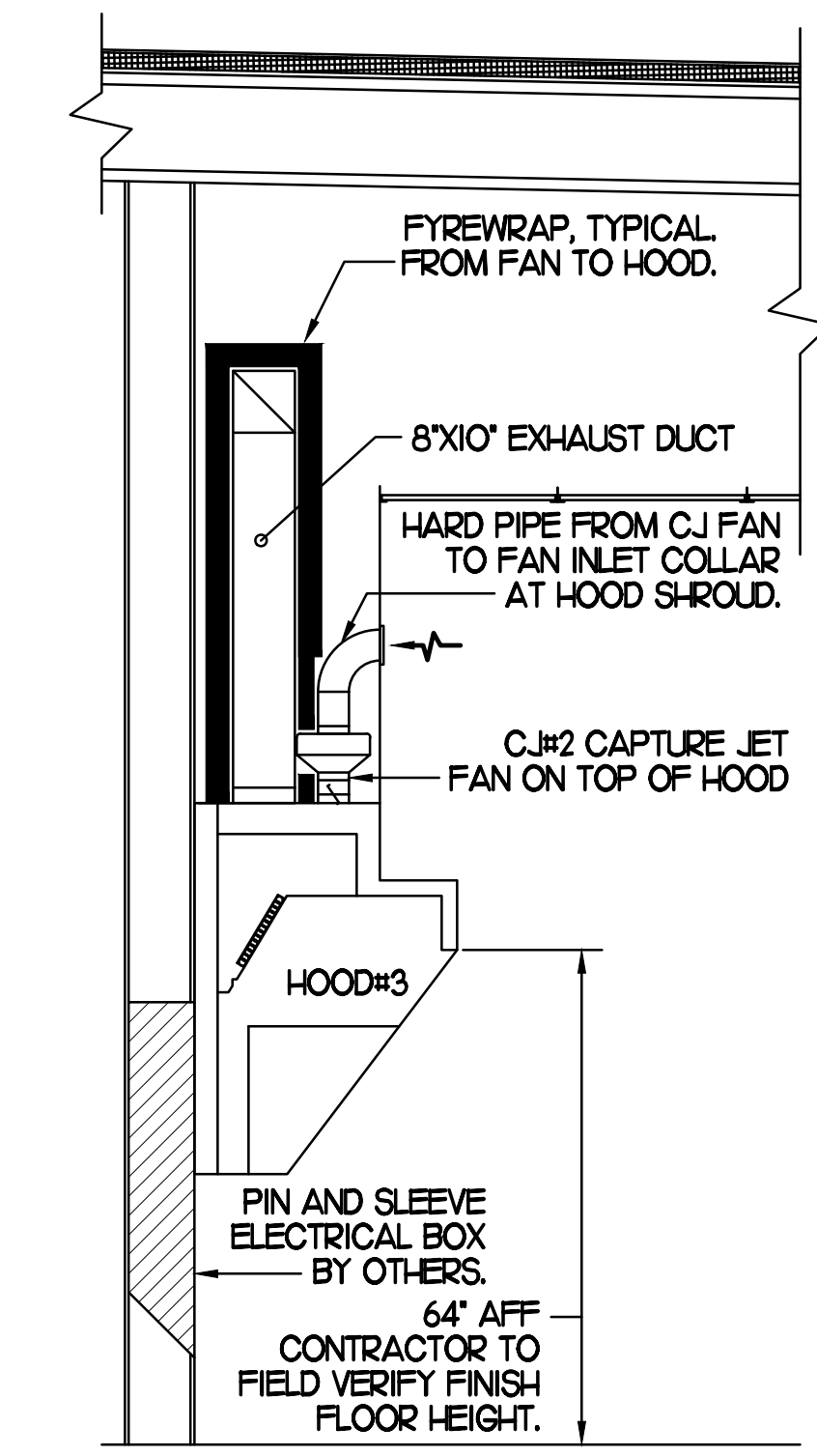
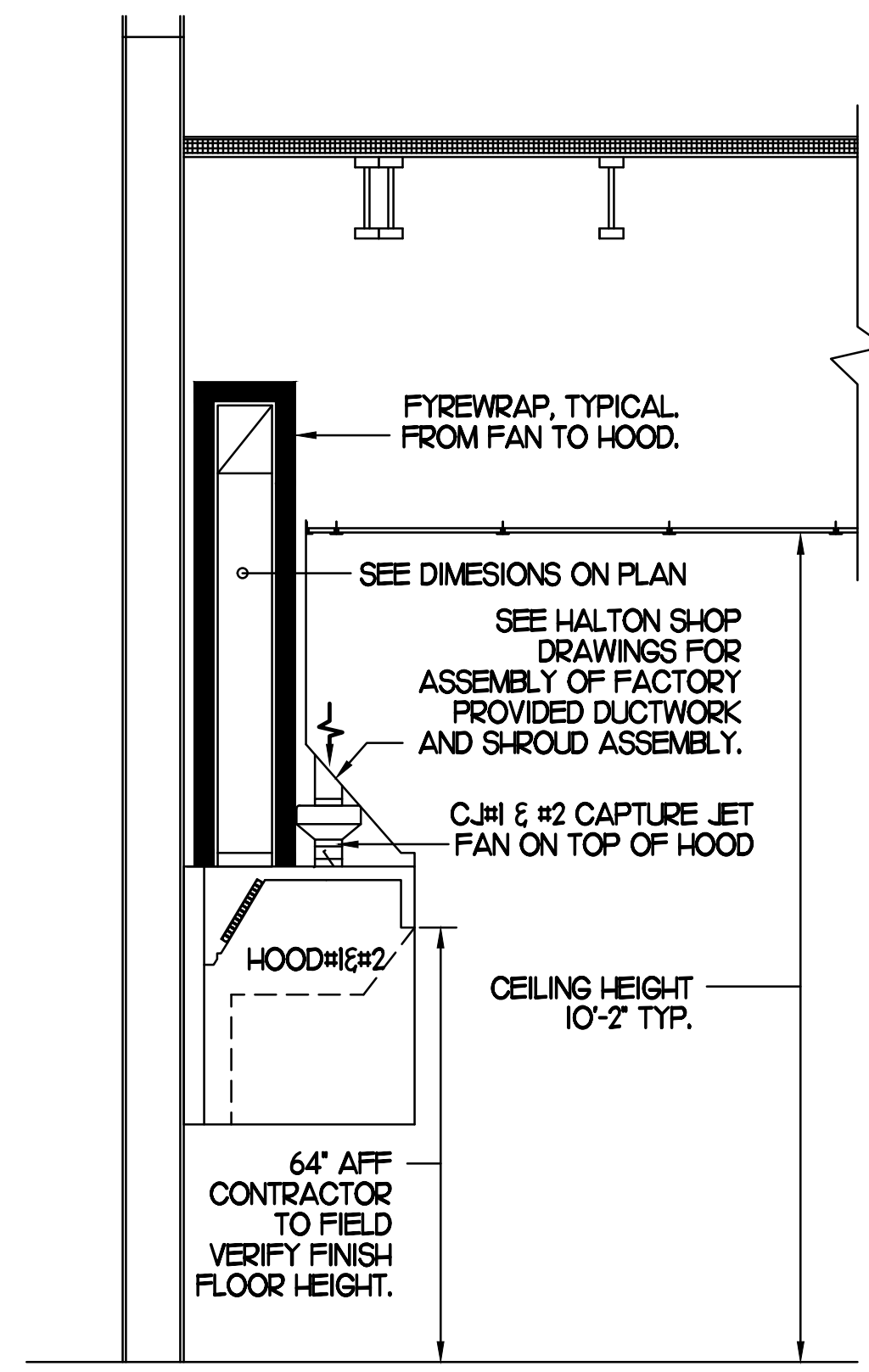
DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS, NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

#### HOOD ELEVATION NOTE

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

#### NOTE

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



### HOOD LAYOUT NOTES

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

### 3 HOOD ELEVATIONS

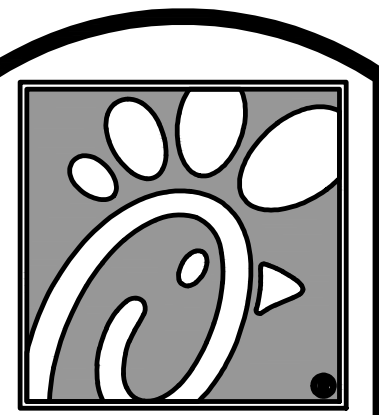
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### 2 HALTON SIDE CAPTURE JET PLENUM

SCALE: NONE

### 1 HOOD LAYOUT

1/8"=1'-0"



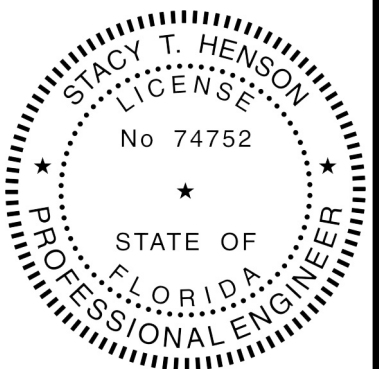
Chick-fil-A

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

#### Revisions:

Mark	Date	By
2	11/01/19	CH
BUILDING		
COMMENTS		
4	01/24/20	CH
BUILDING		
COMMENTS		
5	02/05/20	CH
KITCHEN		
UPDATES		
9	03/23/20	CH
KITCHEN UPDATES		

#### SEAL



STACY HENSON, P.E.  
LICENSE NO: 74752

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### INTERPLAN

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FSU S97-138

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SHEET TITLE  
HOOD DETAILS  
& SCHEDULE

VERSION: 2019-045  
ISSUE DATE: 06/28/19

Job No. : 19.0327  
Store : 01214  
Date : 07/19  
Drawn By : CH  
Checked By: JL

Sheet

M2.I

### 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.	LP					ESP	VOLTS/PHASE	MCA			MOCP
EXISTING AC#1	8.5	KITCHEN	-	-	-	-	-	3400	750	-	-	-	-	22.0%	-	-	-	17	-	-
NEW AC#2	25.0	KITCHEN	294.5	226.8	480.0	384.0	2	8750	1850	10	10	LENNOX/LG-H02H4	LENNOX/LG-H02H4	10.5 EER/10.9 IER	16.0%	208/3/60	142	150	13,45,7,8,9,10,11,12,14	2917 LBS
EXISTING AC#3	8.5	N. DINING B	-	-	-	-	-	3750	600	-	-	LENNOX/LG-H02H4	-	-	-	-	-	17	-	-
EXISTING AC#4	7.5	S. DINING B	-	-	-	-	-	2895	500	-	-	LENNOX/LG-H02H4	-	-	-	-	-	17	-	-
EXISTING AC#5	5	PLAYGROUND	-	-	-	-	-	2000	300	-	-	LENNOX/LG-H02H4	-	-	-	-	-	17	-	-
NEW AC#6	3	MULTI-PURPOSE	35.8	27.6	65.0	52.0	1	1000	180	5	45	-	LENNOX/LG-H02H4E	127 EER/18.0 SEER	16.0%	208/3/60	23	30	2,3,4,6,7,8,9,10,11,12,13,14,15	796 LBS

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

1. PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
2. PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST.
3. PROVIDE NEW 14" HIGH ROOF CURB.
4. SEE DETAIL MA2 FOR SETTING OF PRODIGY M3 AND M-8 IMC BOARD CONTROL/LECTO PARAMETERS BY MC.
5. PROVIDE FACTORY INSTALLED AND UNIT POWERED 18V GFI SERVICE OUTLET.
6. PROVIDE FACTORY INSTALLED 18V GFI SERVICE OUTLET.
7. PROVIDE FACTORY INSTALLED RETURN AND SUPPLY SIDE SMOKE DETECTOR.
8. PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
9. PROVIDE 2 MERV 8 THROW AWAY FILTERS.
10. PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
11. ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL, AS RECOMMENDED BY MANUFACTURER.
12. PROVIDE FACTORY COIL HALL GUARD, FIELD INSTALLED.
13. PROVIDE UNIT WITH MSAV BLOWER.
14. PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR (STATES OF CA AND AZ EXCLUDED).
15. PROVIDE FACTORY INSTALLED BELT TENSIONER.
16. REPLACE EXISTING LENNOX ROOFTOP UNIT WITH NEW SAME SIZE WITH THE SAME MANUFACTURER LENNOX PLACED ON SAME LOCATION ON EXISTING CURB.
17. EXISTING UNIT TO REMAIN.

- CONTRACTOR SHALL VERIFY EXACT ELECTRICAL CONNECTIONS, WIRE SIZES, BREAKERS, DISCONNECT, ETC. FOR THE NEW ROOFTOP UNITS PRIOR TO ORDERING AND BID.
- TEST AND BALANCE REPORT SHALL BE DONE PRIOR TO STORE TURNOVER AND SUBMITTED TO CFA'S CONSTRUCTION MANAGER AND TO ENGINEER OF RECORD.
- NEW HVAC EQUIPMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING CLEARANCES, & SHALL MEET ALL LOCAL AND STATE CODE REQUIREMENTS. INSTRUCTIONS SHALL BE ON SITE AND AVAILABLE FOR ALL INSPECTIONS, SERVICE, REPAIR, OR REPLACEMENT.
- NEW ROOFTOP UNITS ONLY, MECHANICAL CONTRACTOR SHALL RELOCATE THE FACTORY INSTALLED SUPPLY SIDE SMOKE DETECTOR FROM THE BLOWER SECTION TO THE SUPPLY DUCT DROP ABOVE THE FIRST 90 DEGREE DUCT FITTING.
- NEW ROOFTOP UNITS ONLY, THE MECHANICAL CONTRACTOR SHALL SPLICE NEW PLENUM RATED CABLE BETWEEN THE FACTORY SMOKE DETECTOR AND THE FACTORY JACK PLUG. THE NEW WIRING SHALL BE ROUTED THRU THE ROOFTOP UNIT BASEPAN RACEWAY. SPLICES SHALL BE JOINED WITH CRIMP ON FITTINGS AND HEAT SHRINK JACKETS.

### EXHAUST FAN SCHEDULE

MARK	CFM	ESP	RPM	TIP SPEED (FPM)	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
NEW EF-1	1912	.65	964	4,164	1/2	NEW HOOD#2	165VEB	LOREN COOK	12,3,4,6
NEW EF-2	1000	.75	1238	4,861	1/3	NEW HOOD#3	150VHAB	LOREN COOK	12,3,4,6
EXISTING EF-3	490	-	-	-	-	RESTROOMS	-	-	7

NOTES:

- GREASE EXHAUST FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL.
- GREASE EXHAUST FANS TO BE UL 762 LISTED.
- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE FAN/CLUB PACKAGE. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CLUB PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0100 FOR PRICING AND AVAILABILITY. FANS AND CLUBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

1. PROVIDE FACTORY 1'-0" BASE CURB AND EXTENSION.
2. PROVIDE FACTORY INSTALLED, PRE-WIRED, NEMA 3 NON-FUSED DISCONNECT.
3. PROVIDE FACTORY INSTALLED HINGED BASE KIT.
4. PROVIDE AND INSTALL ROOFTOP SOLUTIONS G2 DRIP GUARD. MECHANICAL CONTRACTOR TO CONTACT ROOFTOP SOLUTIONS AT 800-919-7034.
5. PROVIDE FACTORY INSTALLED HELICAL SPRING AUTOMATIC BELT TENSIONER.
6. INTEGRAL THERMAL OVERLOAD WITH AUTOMATIC RESET.
7. EXISTING EXHAUST FAN TO REMAIN.

### 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 SMC2 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	18X12	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 SMC2 STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10X10	16X16	BEVELLED	1,2,3,5,7
K	PRICE MODEL APDC ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOMS ENTRYS	14X14	17X17	SURFACE	1,4,5,7
L	PRICE MODEL 21 SINGLE DEFLECTION ZERO DEGREE DEFLECTION ALUMINUM SIDEWALL RETURN GRILLE FRONT BLADE PARALLEL TO LONG SIDE.	PLAYAREA	12X12	14X14	SURFACE	1

NOTES:

- MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0100, FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

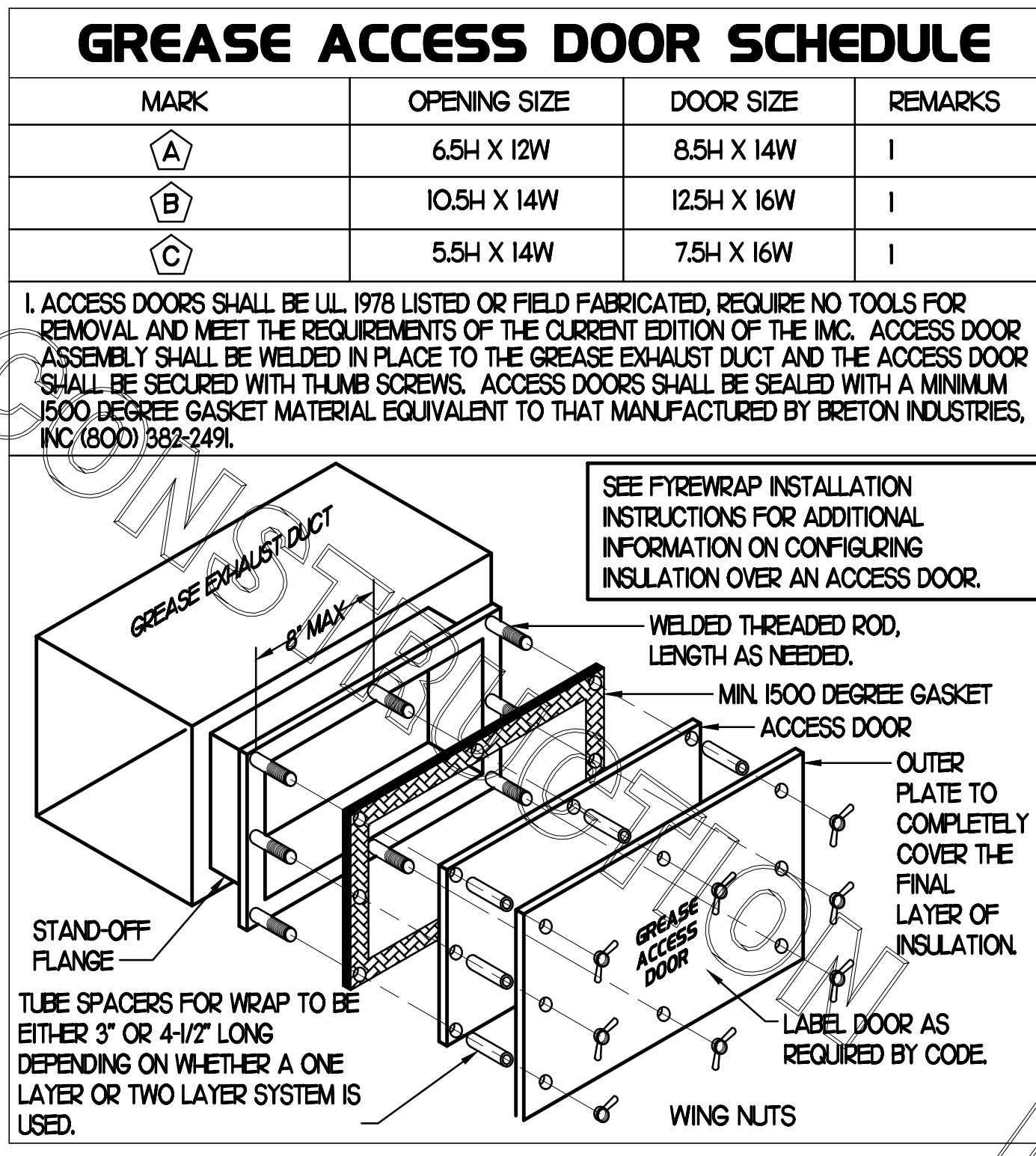
REMARKS:

1. STANDARD OFF WHITE FINISH.
2. PROVIDE MODEL VCS3 NECK DAMPER.
3. SEE DRAWING M1 FOR THROW.
4. PROVIDE MODEL 1037 NECK DAMPER ON GRILLES IN RESTROOMS.
5. PROVIDE BACKPAN, INC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
6. PROVIDE V07 NECK DAMPER, ADJUSTABLE THRU DIFFUSER FACE.
7. FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 2M4-L.
8. FACTORY INSULATED R-6 BACKPAN.

### OUTDOOR AIR CALCULATION

ROOM NUMBER & NAME	AREA SQ. FT.	NO. OF PEOPLE	REQD OA CFM/PERSON	REQD OA CFM/SQ FT	TOTAL OSA	REQD EXHAUST AIR PER FIXTURE	REQD OSA AC-1	REQD OSA AC-2	REQD OSA AC-3	REQD OSA AC-4	REQD OSA AC-5	REQD OSA AC-6	
RR VESTIBULE	59	0	5.00	0.06	3.5		3.5						
MENS RR	96	0	0.00	0.00	0.0	50/70							
WOMENS RR	107	0	0.00	0.00	0.0	50/70							
DINING A	507	56	7.50	0.18	511.3		511.3						
KITCHEN	907	8	7.50	0.18	223.3			223.3					
DRIVE THRU	113	2	7.50	0.18	35.3					35.30			
SERVING AREA	223	4	7.50	0.18	70.1					70.10			
WAITING AREA	266	0	5.00	0.06	16.0					16.0			
N. DINING B	514	40	7.50	0.18	392.5			392.5					
ENTRY 'B'	51	0	5.00	0.06	3.1			3.10					
S. DINING B	403	42	7.50	0.18	387.5					387.5			
ENTRY 'A'	68	0	5.00	0.06	4.1					4.10			
PLAYGROUND	286	12	7.50	0.18	141.5						141.50		
OFFICE	58	1	5.00	0.06	8.5							8.5	
MULTI-PURPOSE	172	0	5.00	0.06	10.3							10.30	
<b>TOTALS</b>							100/140	514.80	223.30	517.00	391.60	141.50	18.80
								750	1,850	600	500	300	180

OUTSIDE AIR BASED ON THE 2017 FLORIDA MECHANICAL CODE & PER ASHRAE 62.1-2019 MINIMUM VENTILATION RATES.



### AIR DOOR SCHEDULE

MARK	CFM	VELOCITY	HEATING CAP	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
ADM	1543	2338	10 KW	3/4	DRIVE THRU	CHA-1-48E	TOM BARROW	12
AD#2	3,567	4,216	NA	3/4	REAR DOOR	RE1-1-48	POWERED-AIRE	3

NOTES:

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0100, FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

1. FACTORY PROVIDED, WIRED, AND UNIT MOUNTED THERMOSTAT LOCATED ON RIGHT SIDE.
2. FACTORY PROVIDED, WIRED, AND UNIT MOUNTED SPEED CONTROLLER LOCATED ON BOTTOM.
3. FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.

### 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: L-H81 / ETL CLASS 1 AIR DUCT STANDARD CODE.

NFPA 90A AND 90B, BOCA, SEBC, HUD/FHA, 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 (25 TON-21 OA)	+850
NEW EF-1 KITCHEN HOOD #1 & #2	-1912
NEW EF-2 KITCHEN HOOD #3	-1000
<b>TOTAL</b>	<b>-362</b>

### DINING PRESSURIZATION

EXISTING AC-1 OA (8.5 TON-223 OA)	+750
EXISTING AC-3 OA (8.5 TON-168 OA)	+600
EXISTING AC-4 OA (7.5 TON-173 OA)	+500
EXISTING AC-5 OA (5 TON-151 OA)	+300
NEW AC-6 OA (3 TON-168 OA)	+180
EXISTING EF-3 RESTROOM EXHAUST	-490
RETURN AIR FROM SIDE DINING BACK TO KITCHEN	-700
<b>TOTAL</b>	<b>+140</b>

**BUILDING POSITIVE PRESSURE**

**TOTAL**      **+778**

5200 Buffington Rd.  
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30349-2998

Revisions:

Mark	Date	By
2	11/01/19	CH

COMMENTS

Mark	Date	By
7	02/26/20	CH

COORDINATION

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STACY HENSON, P.E.  
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**INTERPLAN**

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SHEET TITLE  
MECHANICAL  
SCHEDULES

VERSION: 2019-045  
ISSUE DATE: 06/28/19

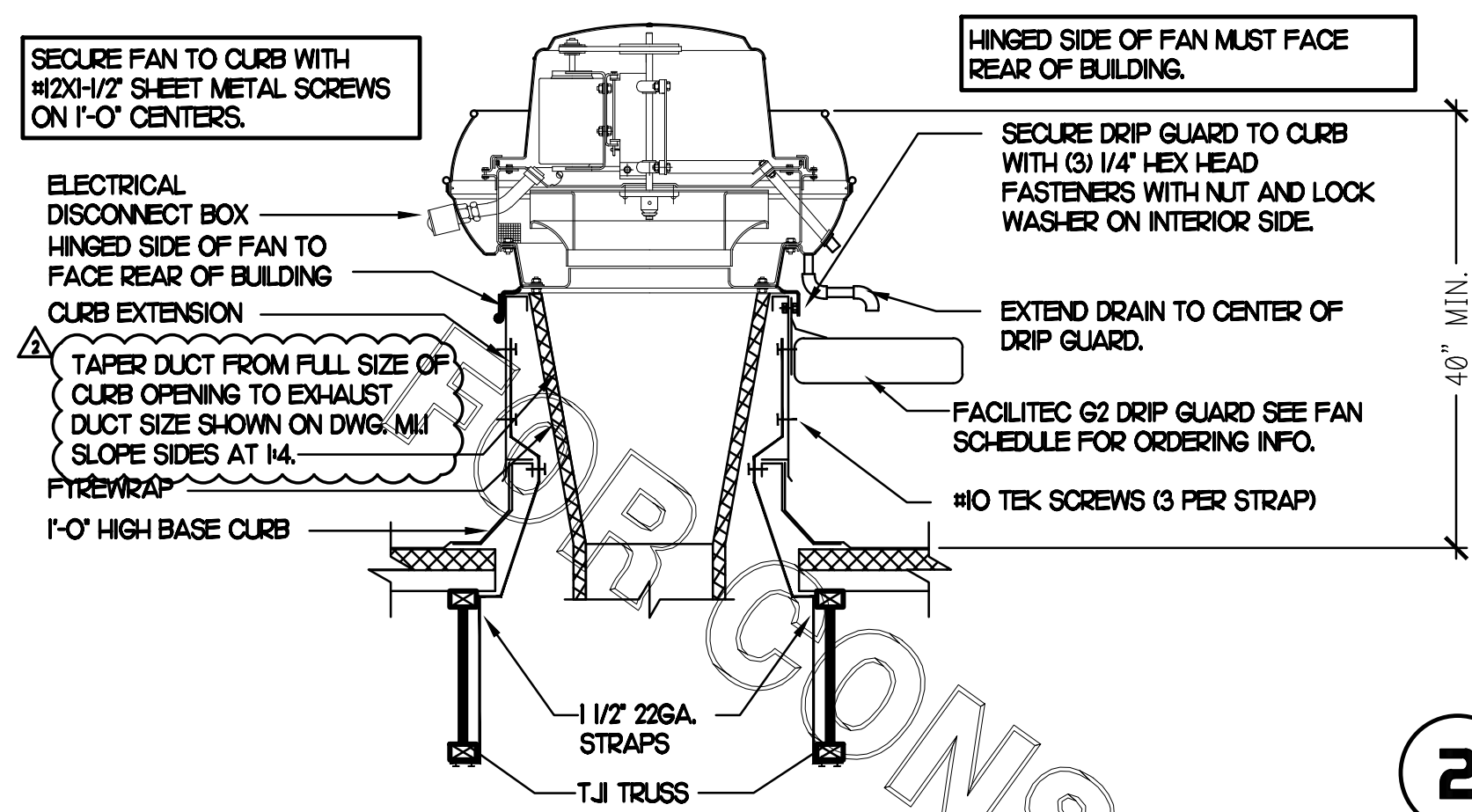
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Date : 07/19  
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Checked By : JL

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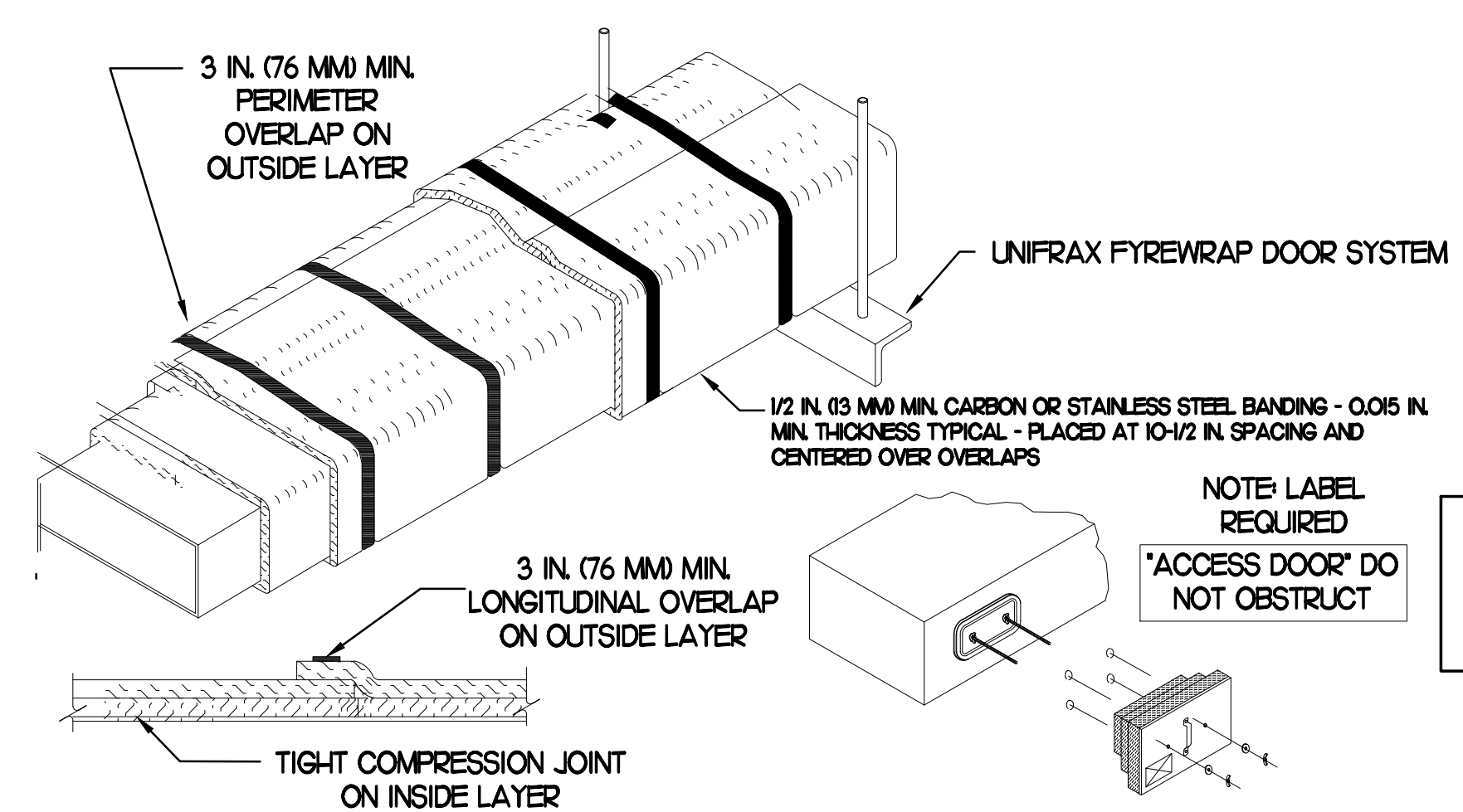
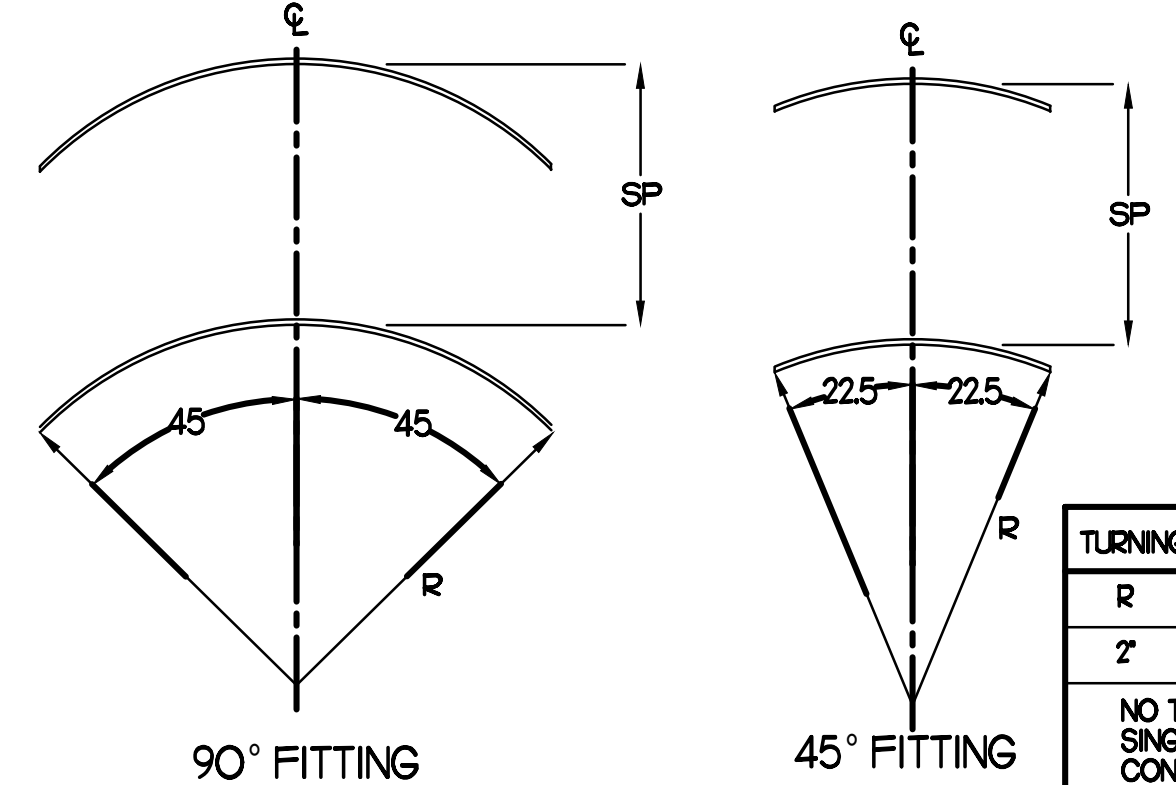
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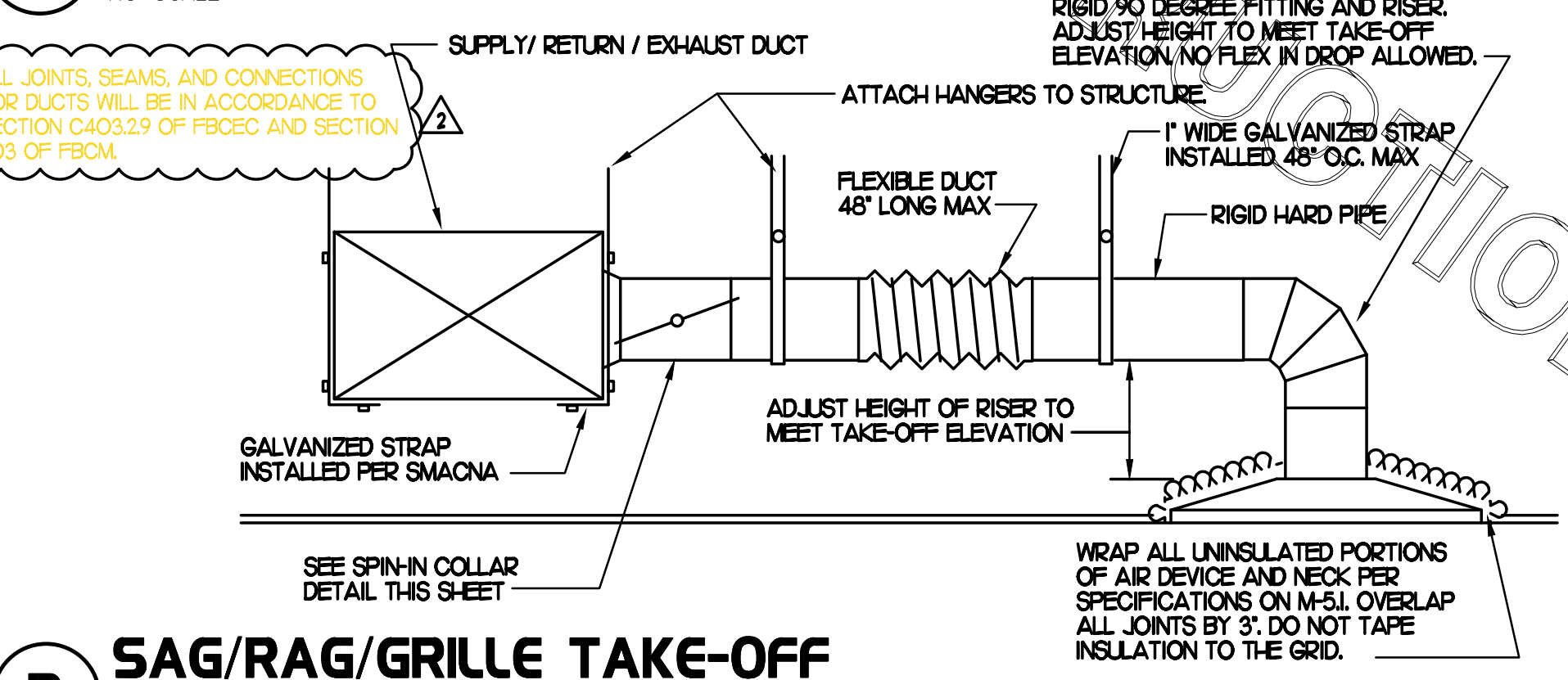


**2 TURNING VANES**  
NO SCALE



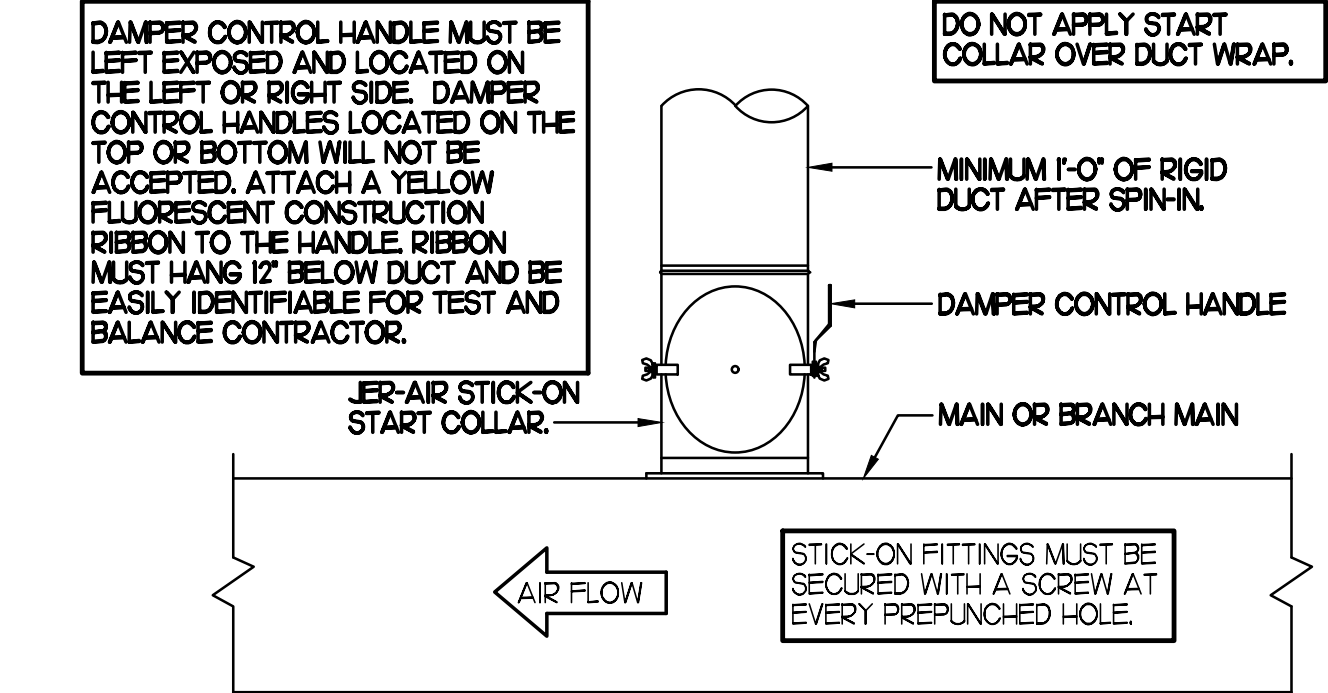
FIREWRAP ELITE DUCT INSULATION COMMERCIAL KITCHEN GREASE DUCT SYSTEM ASTM E 2336/ICC-ES AC101 SYSTEM 1- & 2-HOUR FIRE-RATED ENCLOSURE, SHAFT ALTERNATIVE ZERO CLEARANCE TO COMBUSTIBLES BUILT JOINT SYSTEM (BOTH LAYERS, MAX 24"X24" DUCT)

**1 KITCHEN HOOD EXHAUST FAN**  
NO SCALE

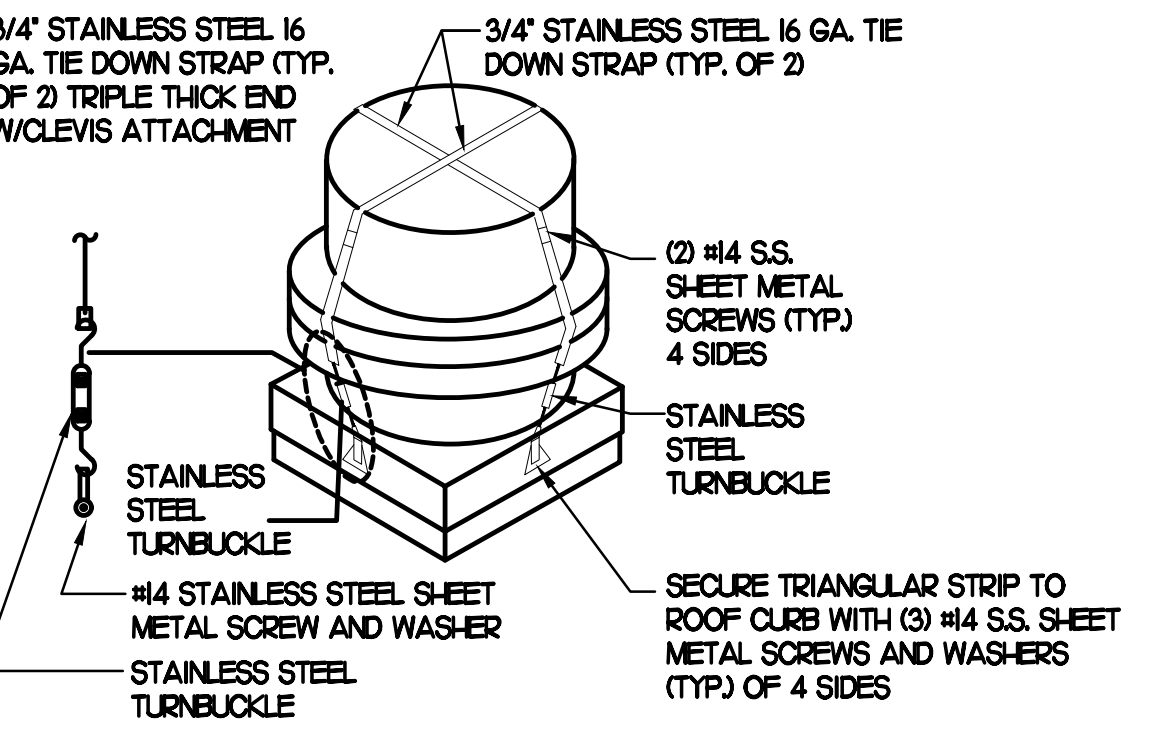


**3 SAG/RAG/GRILLE TAKE-OFF**  
NO SCALE

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 404-351-0100 FOR PRICING AND AVAILABILITY. JER-AIR START COLLARS NOT PURCHASED THRU TOM BARRON COMPANY WILL NOT BE ACCEPTED.



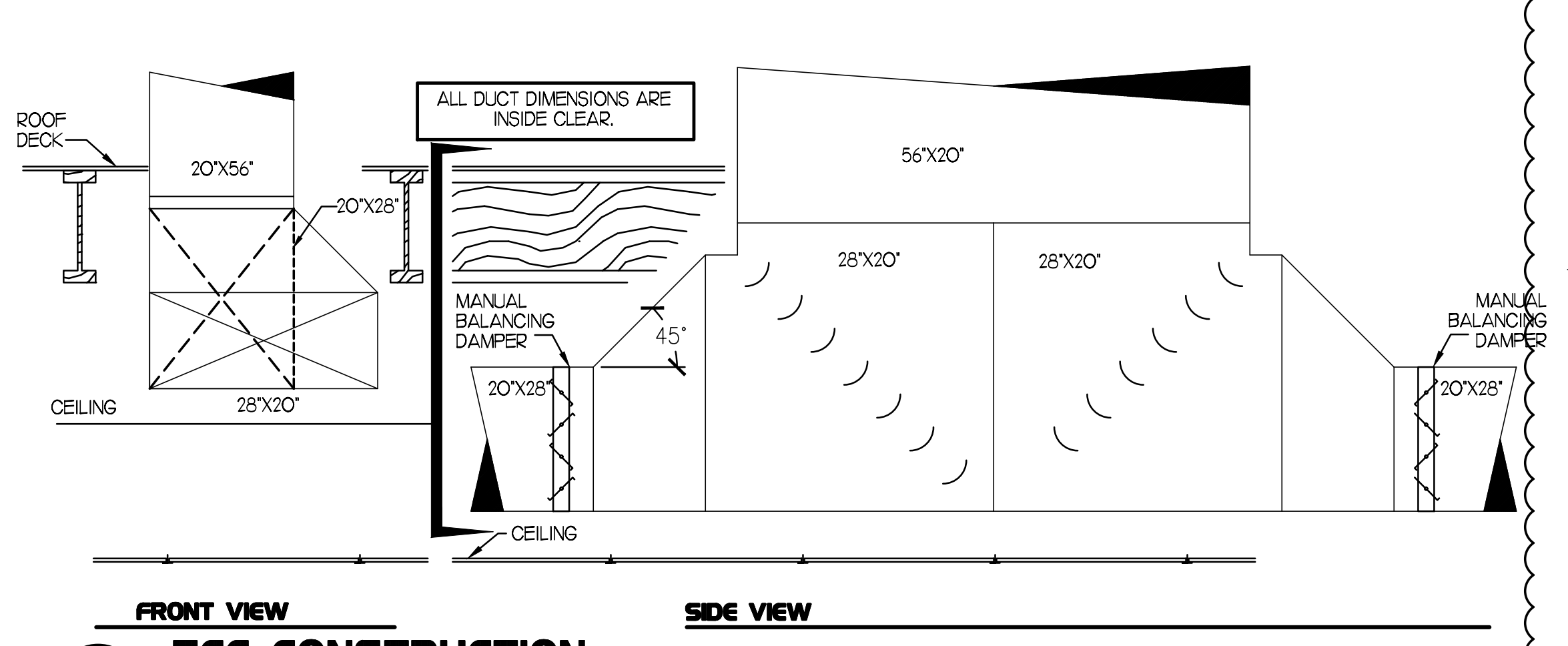
**5 START COLLAR**  
NO SCALE



**7 FAN SECURING DETAIL**  
NO SCALE

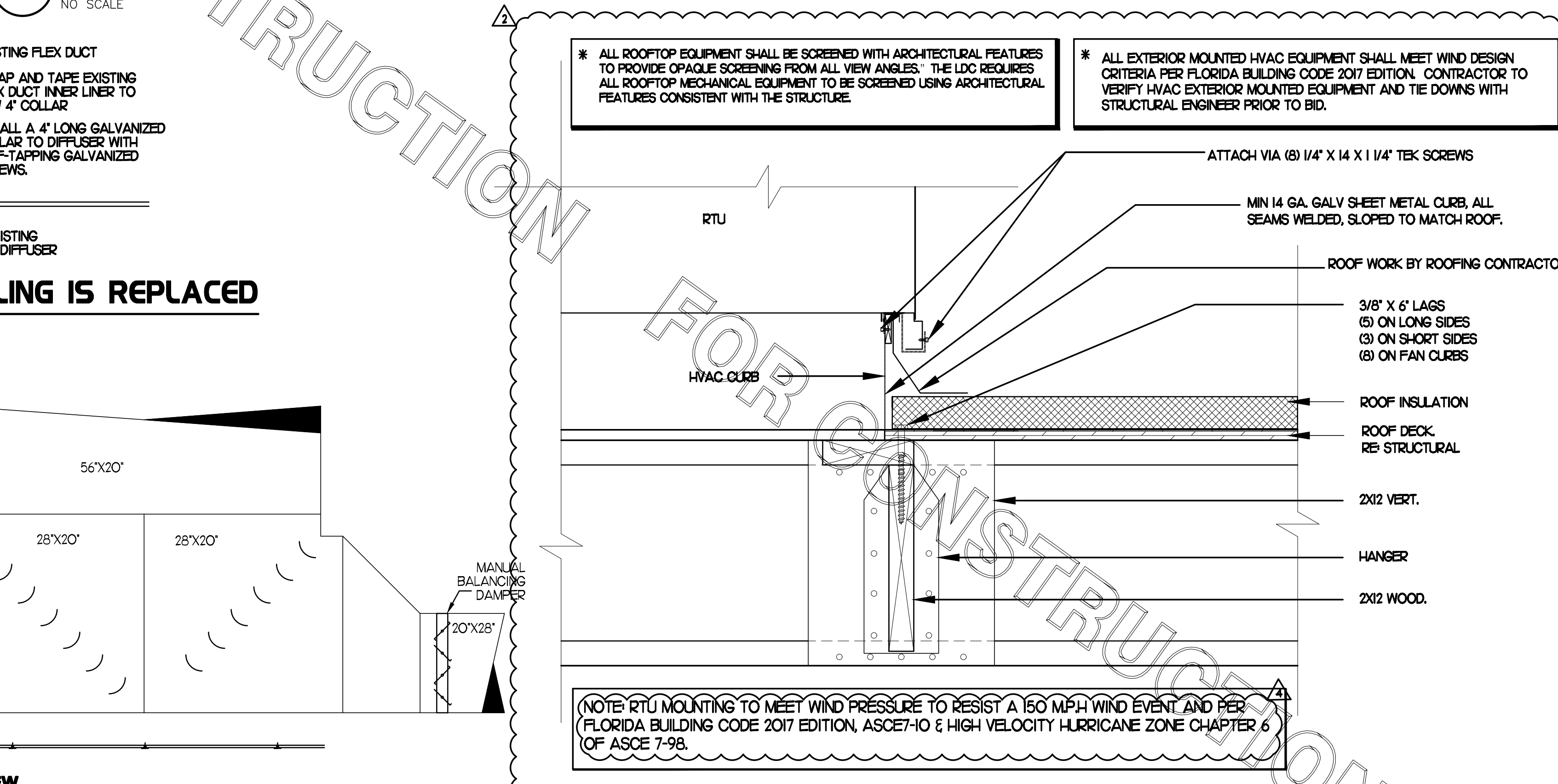
NOTE: SIMILAR FOR KITCHEN HOOD EXHAUST AND SUPPLY FANS.

**6 DIFFUSER & GRILLE WHEN CEILING IS REPLACED**  
NO SCALE



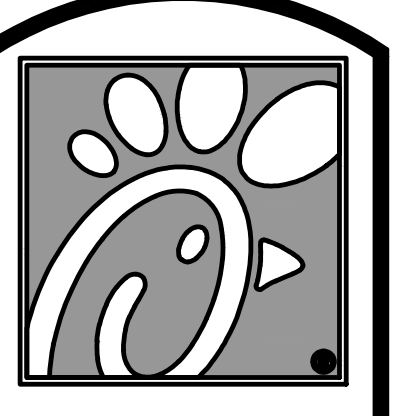
**8 TEE CONSTRUCTION**  
NO SCALE

**4 GREASE EXHAUST DUCT PROTECTION TO COMBUSTIBLES DETAIL**  
NO SCALE



**9 TYPICAL ROOF TOP EQUIPMENT CURB DETAIL**  
NONE

- UNIFRAX FIREWRAP ELITE 1.5 DUCT INSULATION HAS BEEN TESTED IN ACCORDANCE WITH ASTM E 2336 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND MEETS THE REQUIREMENTS FOR ONE OR TWO HOUR ENCLOSURES. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH EITHER ASTM E 814 OR UL 1479. ICC-ES APPROVAL PER REPORT ESR 2213 OR ESR 2832. UNDERWRITER'S LABORATORIES (UL) LISTINGS SHOW COMPLIANCE TO UL 1479 FOR THROUGH PENETRATION FIRESTOP SYSTEMS.
- COMPLIANT TO THE FOLLOWING CODES:
  - BUILDING CODE: 2017 FLORIDA BUILDING CODE
  - ELECTRICAL CODE: 2014 NATIONAL ELECTRICAL CODE
  - PLUMBING CODE: 2017 FLORIDA PLUMBING CODE
  - MECHANICAL CODE: 2017 FLORIDA MECHANICAL CODE
  - FUEL GAS CODE: 2017 FLORIDA FUEL GAS CODE
  - ENERGY CODE: 2017 FLORIDA CONSERVATION CODE
  - FIRE CODE: 2017 FIRE PREVENTION CODE
  - ACCESSIBILITY CODE: 2017 FLORIDA ACCESSIBILITY 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 FIREWRAP ELITE 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 FIREWRAP ELITE 1.5 DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- UNIFRAX FIREWRAP ELITE 1.5 DUCT WRAP SHALL BE INSTALLED ON THE DUCT FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.



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30349-2998

Revisions:

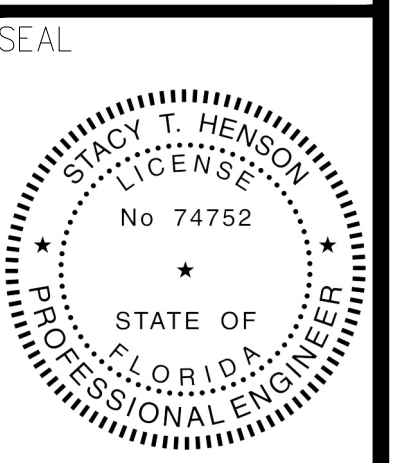
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COMMENTS

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**INTERPLAN**

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FL 32127

SHEET TITLE  
MECHANICAL  
DETAILS

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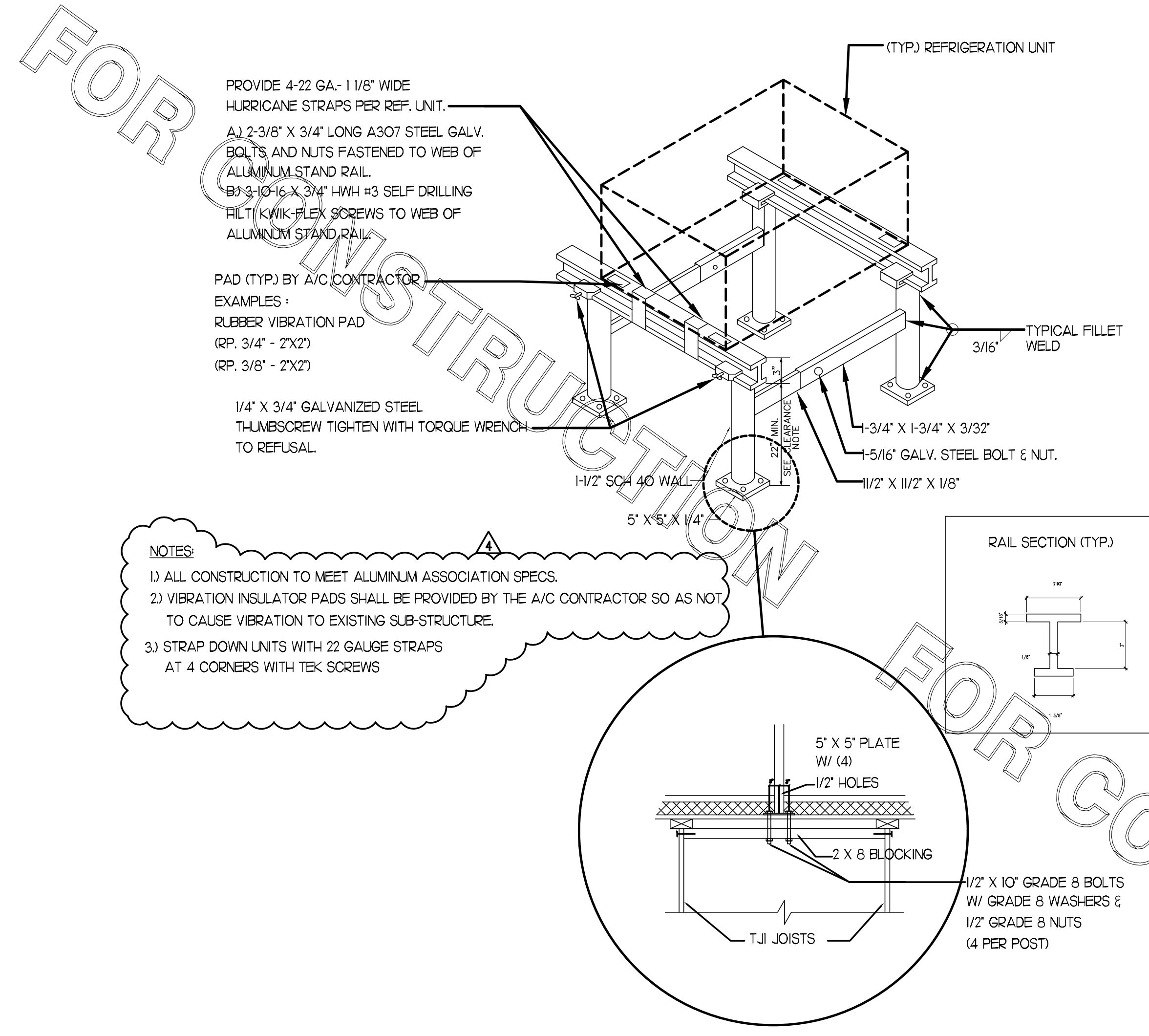
Job No. : 19.0327  
Store : 01214  
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Checked By : JL

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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".



3 REFRIGERATION SYSTEM FRAMING SUPPORT DETAIL

NO SCALE

\* ALL ROOFTOP EQUIPMENT SHALL BE SCREENED WITH ARCHITECTURAL FEATURES TO PROVIDE OPAQUE SCREENING FROM ALL VIEW ANGLES. THE LDC REQUIRES ALL ROOFTOP MECHANICAL EQUIPMENT TO BE SCREENED USING ARCHITECTURAL FEATURES CONSISTENT WITH THE STRUCTURE.

LEGEND

S.E.C. SUNCOAST ENVIRONMENTAL CONTROLS (SUPPLIER OF TEMP/FAN CONTROL PANEL) LOCATED IN KITCHEN

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, 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.

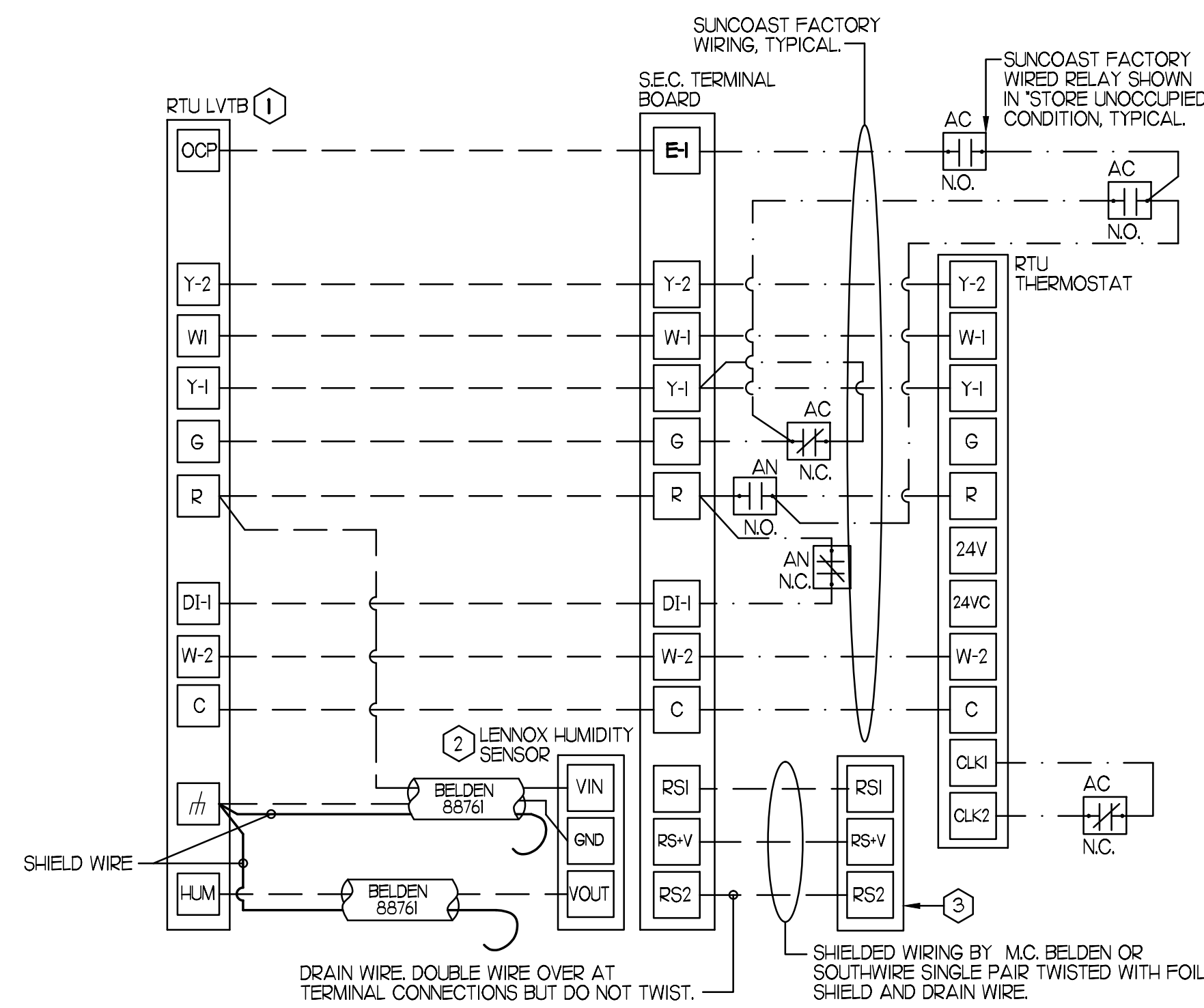
LOW VOLTAGE WIRING BY S.E.C.

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

- FOR ALL RTUS EXCEPT AT ACH, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #65 TO ZERO (#58 ON LCH UNITS). ON OLDER BOARDS THIS IS ECTO PARAMETER 3.01 FOR LCH UNITS OR ECTO 2.01 FOR LCH UNITS. THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON 'OCCUPIED' START. AT ACH (LCH 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 (LCH TYPE) CHANGE THE VALUE TO 5.00 SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 90 MINUTES AFTER 'OCCUPIED' START.
- 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.
- 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.
- SET ALL THERMOSTATS FOR AUTO CHANGEOVER.
- SET TSTAT COM SWITCH ON PRODIGY BOARD TO OPEN POSITION.
- FOR MSAY UNITS, SET THE MSAY LOW SPEED SETTING TO THE SAME VALUE AS THE HIGH SPEED SETTING AFTER TAB IS COMPLETE.
- PROVIDE BAKELITE 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. LABELS TO BE PERMANENTLY ADHERED OR MECHANICALLY FASTENED AS APPROPRIATE FOR FIELD CONDITIONS.



2 ROOFTOP UNIT CONTROL WIRING - LENNOX

NO SCALE

SUPPLY SIDE DETECTORS: IF SUPPLY SIDE SMOKE DETECTORS ARE SHOWN ON DWG M.I. 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 M.I.

LEGEND

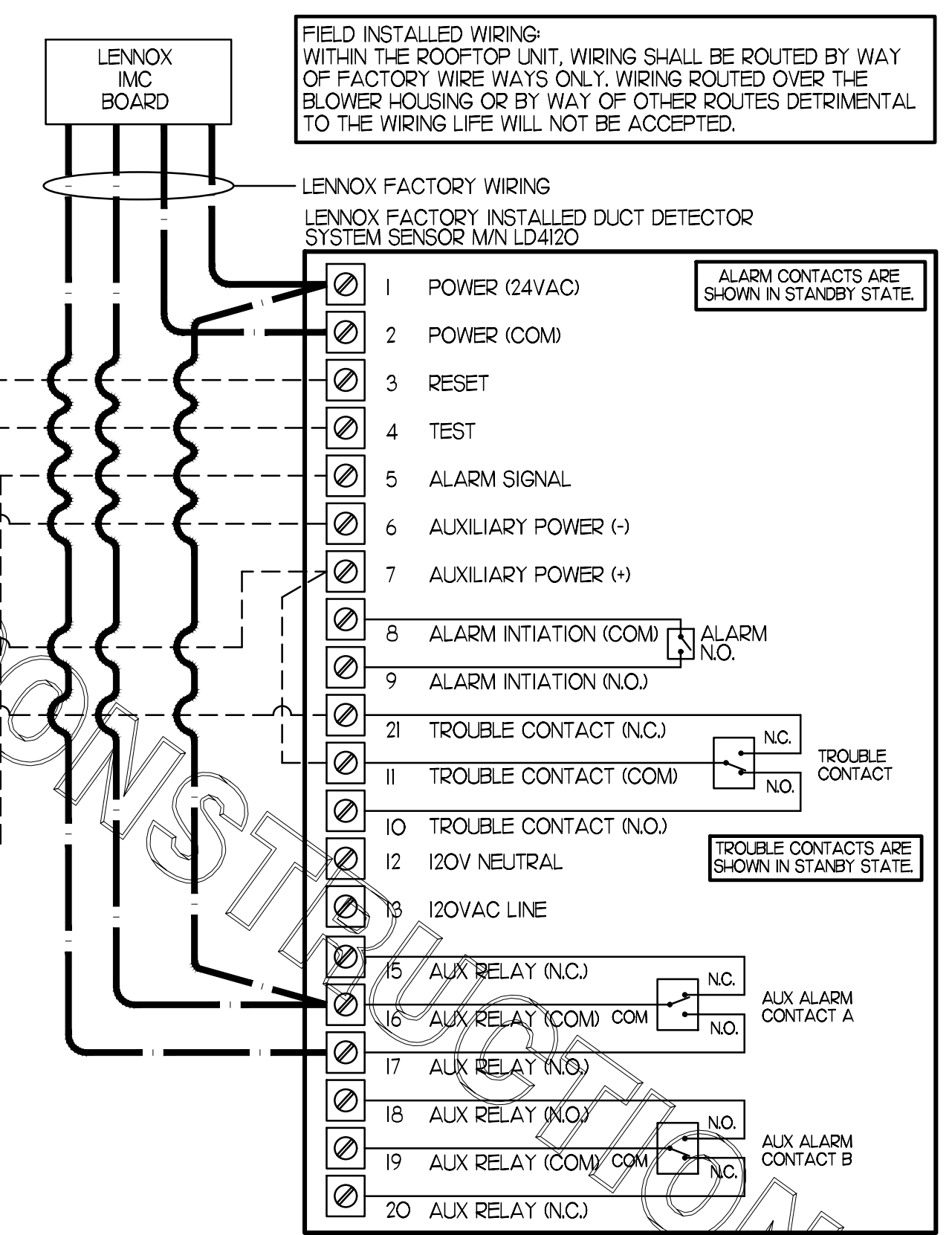
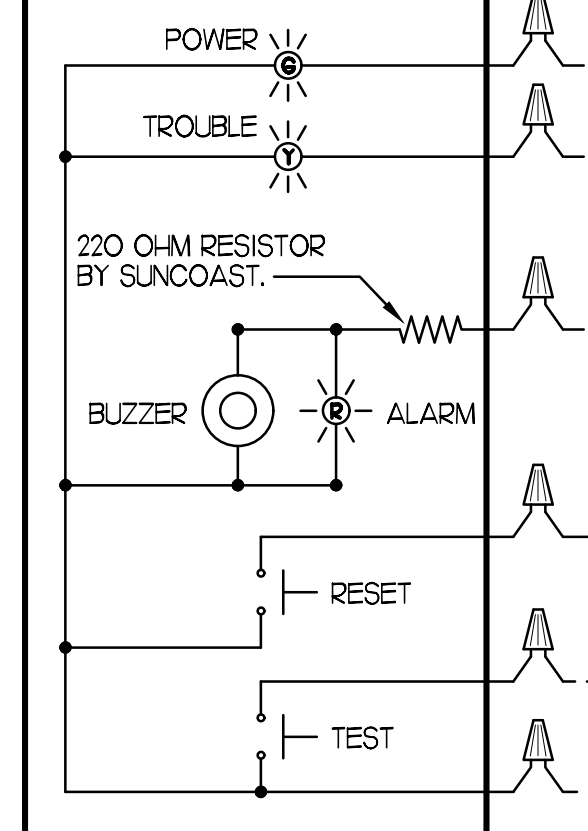
18 AWG MIN WIRING BY MECH CONTRACTOR

FACTORY ANNUNCIATOR DETECTOR WIRING

FACTORY LENNOX WIRING

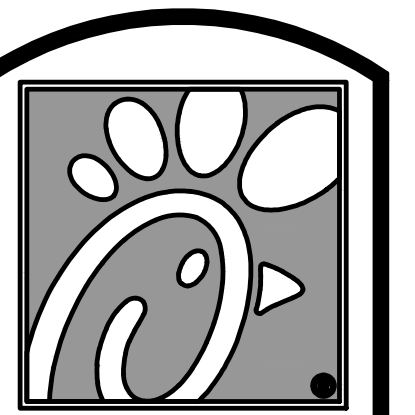
LABELING: PROVIDE ENGRAVED LABEL WITH 1/2" HIGH WHITE LETTERS ON BLACK BACKGROUND IDENTIFYING UNIT SERVED.

SUNCOAST CONTROLS ANNUNCIATOR



1 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM - LENNOX

NO SCALE



Chick-fil-A

5200 Buffington Rd. Atlanta Georgia, 30349-2998

Revisions:

Mark	Date	By
2	11/01/19	CH

BUILDING

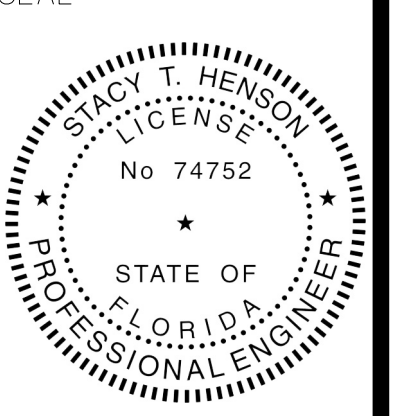
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1761 DUNLAWTON AVE PORT ORANGE, FL 32127

SHEET TITLE MECHANICAL DETAILS

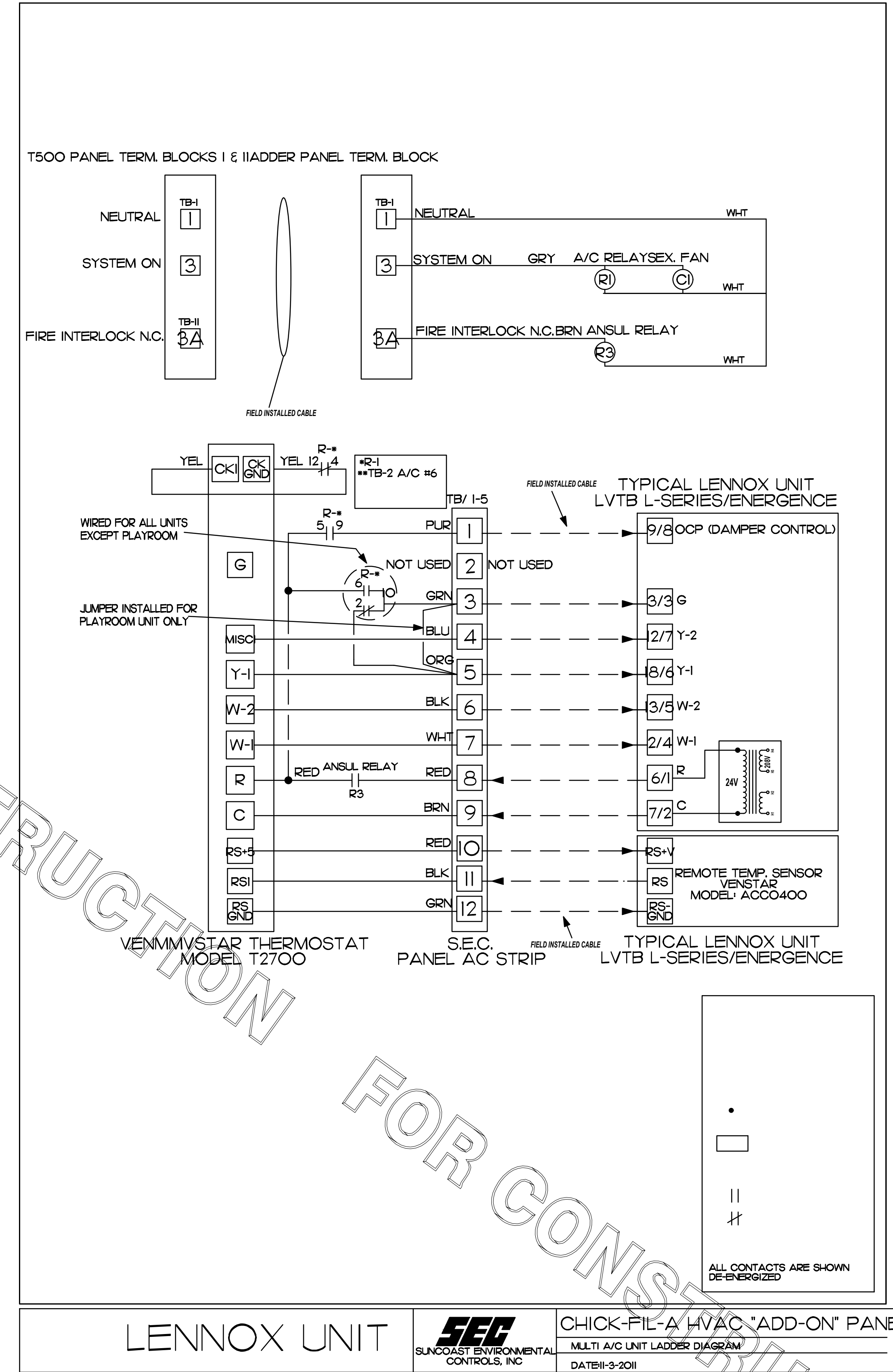
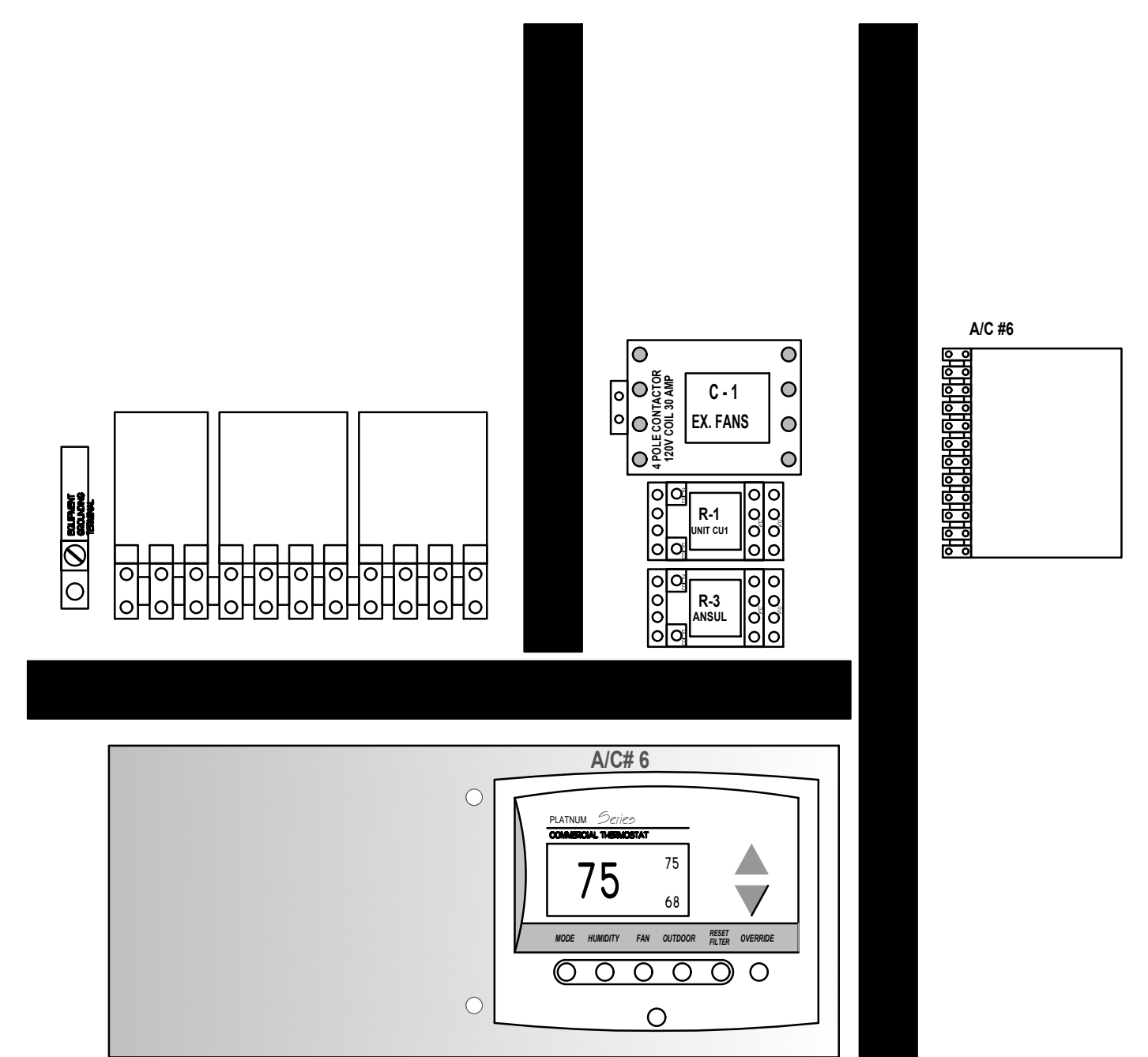
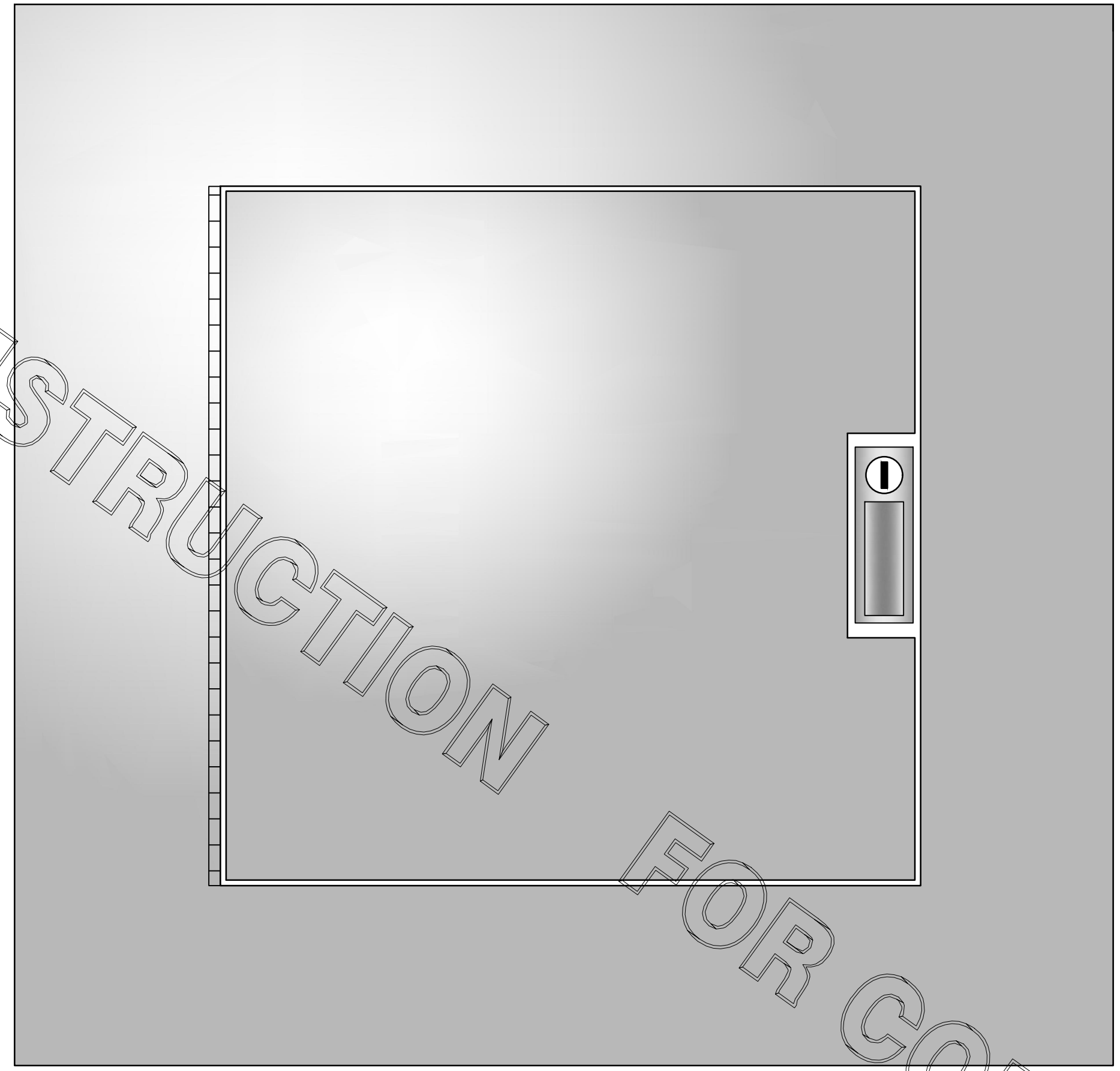
VERSION: 2019-045 ISSUE DATE: 06/28/19

Job No. : 19.0327 Store : 01214 Date : 07/19 Drawn By : CH Checked By : JL

Sheet

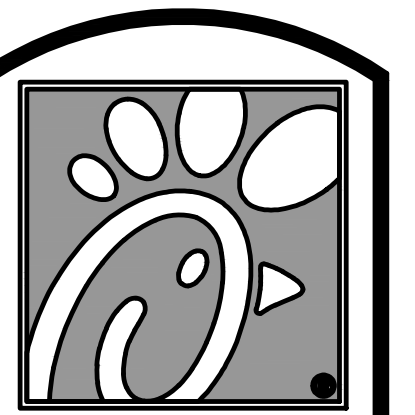
M4.2

FOR CONSTRUCTION



1 SUNCOAST PANEL  
NONE

LENNOX UNIT  
CHICK-FIL-A HVAC "ADD-ON" PANEL  
MULTI A/C UNIT LADDER DIAGRAM  
DATE: 3-2011

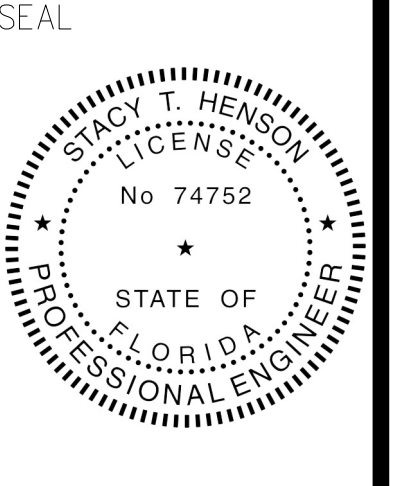


Chick-fil-A

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



STACY HENSON, P.E.  
LICENSE NO: 74752

This item has been electronically signed and sealed by Stacy Henson on 3/13/2020. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

**INTERPLAN**  
ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN  
PROJECT MANAGEMENT  
AA 003420  
CA 8660  
604 COURTLAND STREET  
SUITE 100  
ORLANDO, FLORIDA 32804  
PH 407.645.5008  
FX 407.629.9124

STORE  
PORT ORANGE  
GATEWAY CENTER  
FSU S97-138

1761 DUNLAWTON  
AVE PORT ORANGE,  
FL 32127

SHEET TITLE  
MECHANICAL  
CONTROLS

VERSION: 2019-045  
ISSUE DATE: 06/28/19

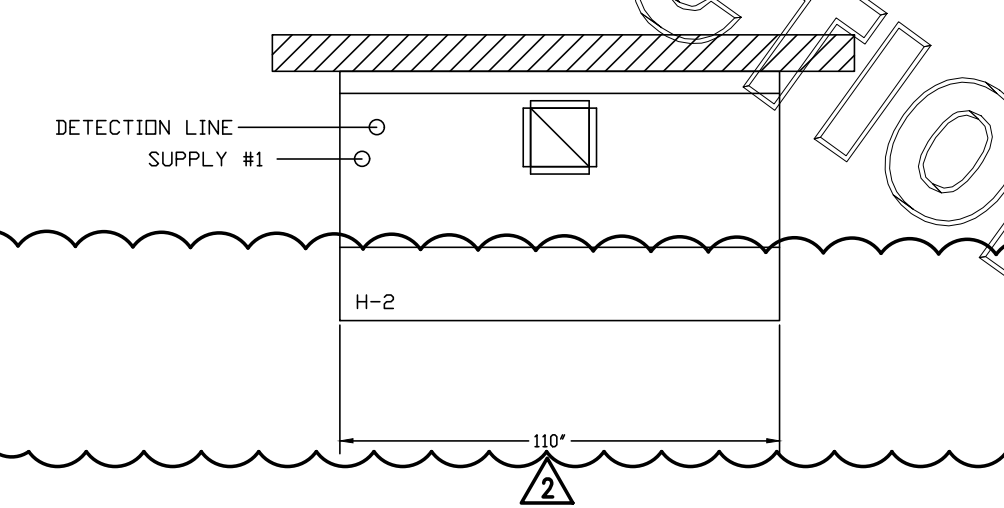
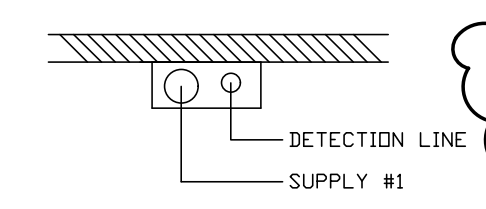
Job No. : 19.0327  
Store : 01214  
Date : 07/19  
Drawn By : CH  
Checked By : JL

Sheet  
**M4.3**



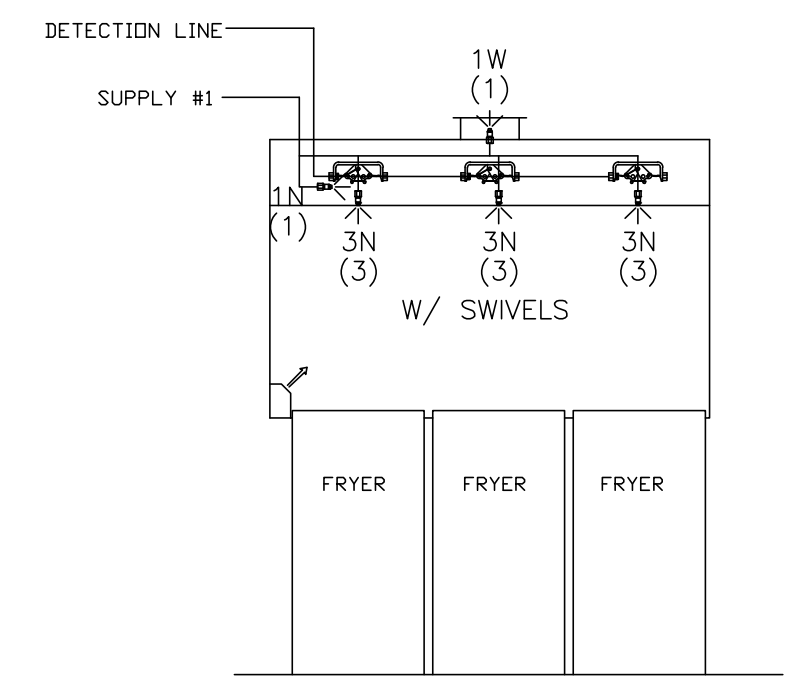
FOR CONSTRUCTION

**\*\*PROTECTS HOOD H-2\*\***  
 REMOTE MOUNTED:  
 (1) REGULATED RELEASE (WITH ONE TANK)

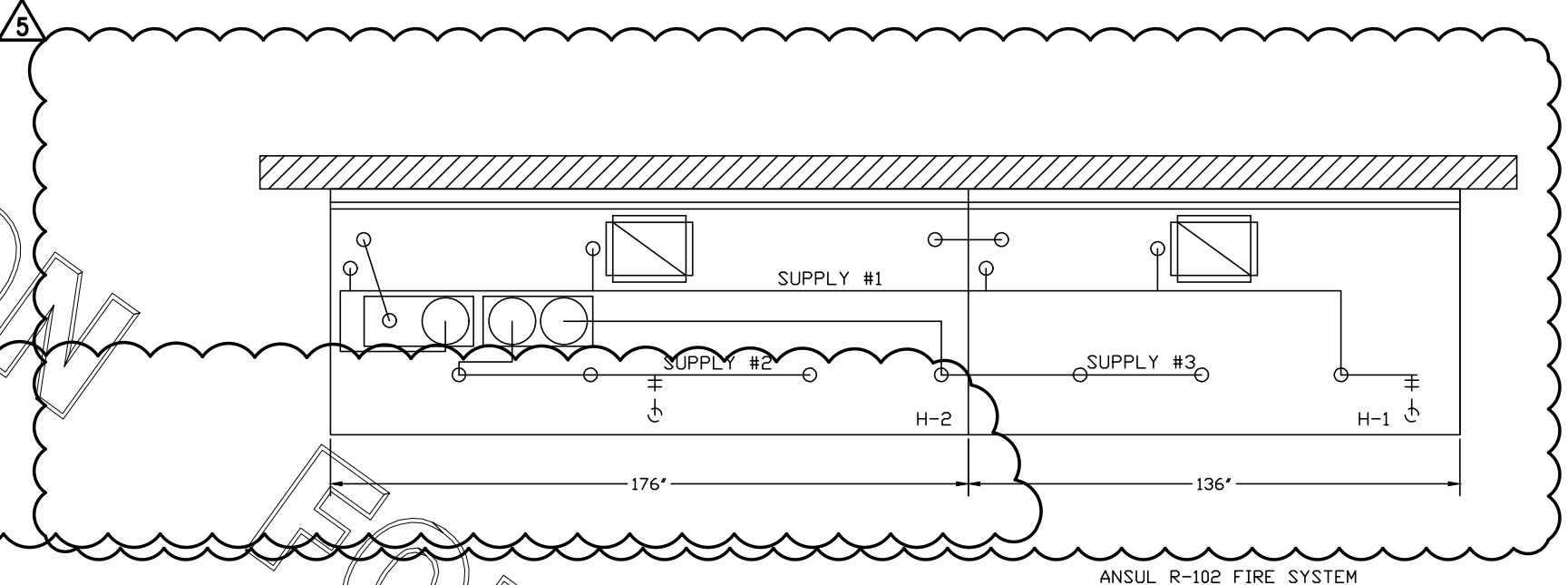


**ANSUL R-102 FIRE SYSTEM**  
 (1) REGULATED RELEASE  
 (2) EXTRA MICRO SWITCH ASSEMBLIES (MOUNTED IN REG. REL.)  
 (3) SINGLE TANK ENCLOSURE  
 (2) 3 GALLON TANK

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

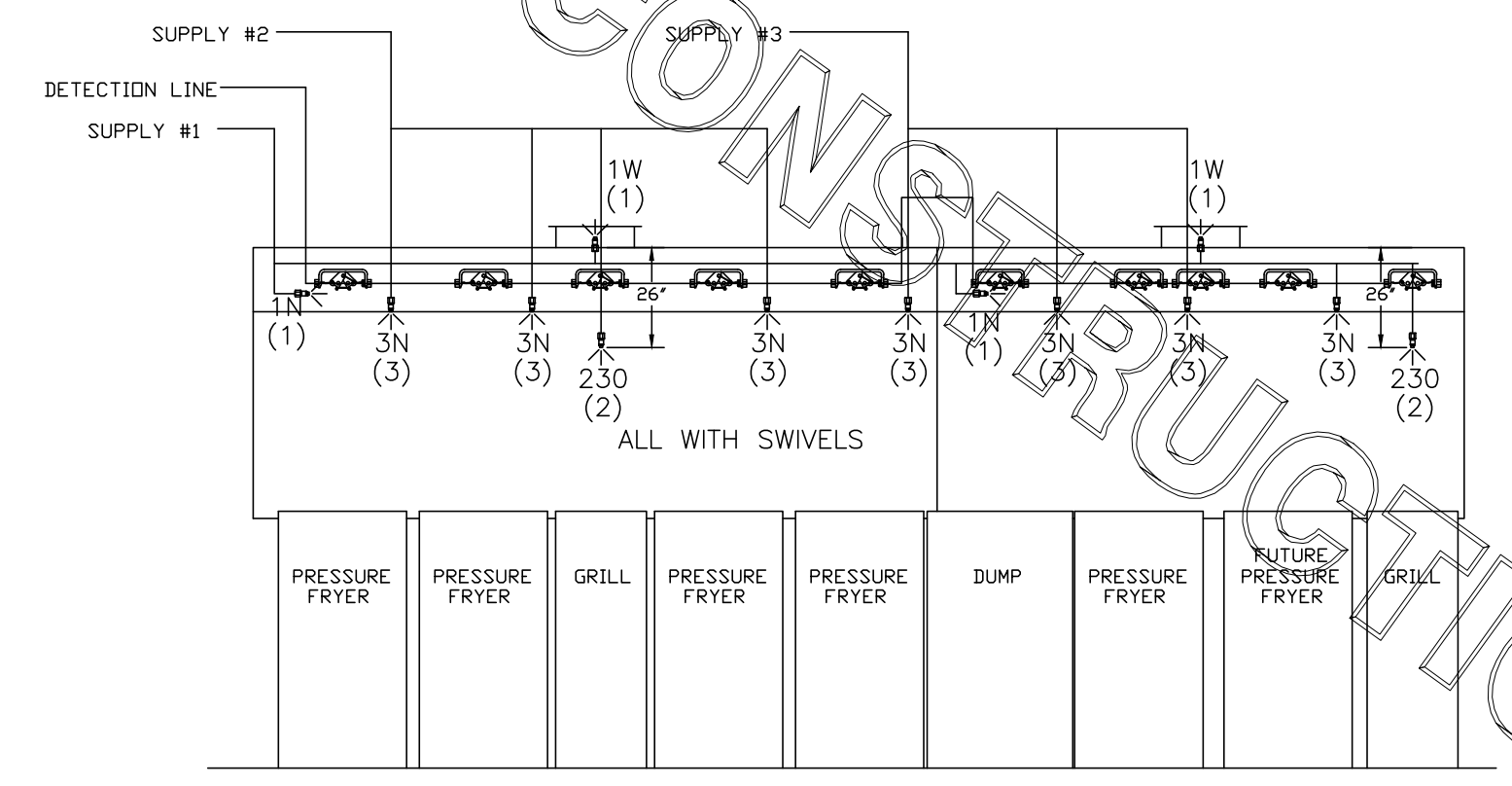


ANSUL R-102 FIRE SYSTEM LAYOUT



**ANSUL R-102 FIRE SYSTEM**  
 (1) REGULATED RELEASE  
 (2) EXTRA MICRO SWITCH ASSEMBLIES (MOUNTED IN REG. REL.)  
 (3) 3 GALLON TANKS

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



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**  
 ONE TANK SYSTEM REMOTE MOUNTED  
 MAXIMUM FLOW POINTS = 11

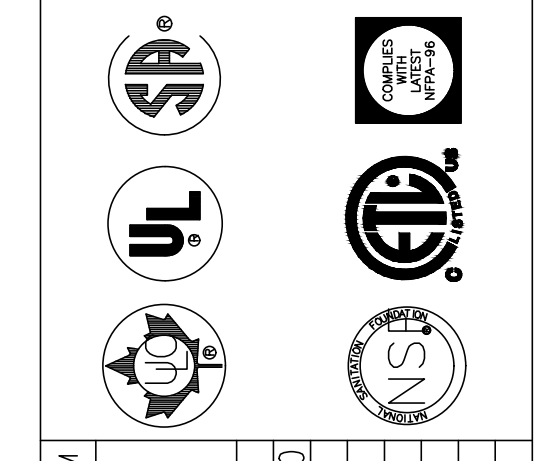
ITEM #	QTY	DESCRIPTION	FLOW PTS (TOTAL)
1W	3	DUCT NOZZLES	3
1N	3	PLENUM NOZZLES	3
230	2	APPLIANCE NOZZLES	4
3N	10	APPLIANCE NOZZLES	30
<b>TOTAL FLOW POINTS - 40</b>			

ITEM #	QTY	DESCRIPTION
#200	11	SERIES DETECTORS W/ FUSIBLE LINKS
#201	2	TERMINAL DETECTOR W/ FUSIBLE LINKS
#202	2	REGULATED RELEASES W/ DOUBLE POLE MICRO SWITCH
#203	4	3 GALLON TANKS
#204	1	DOUBLE TANK ENCLOSURE
#205	2	REMOTE PULL STATIONS

**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  
 APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

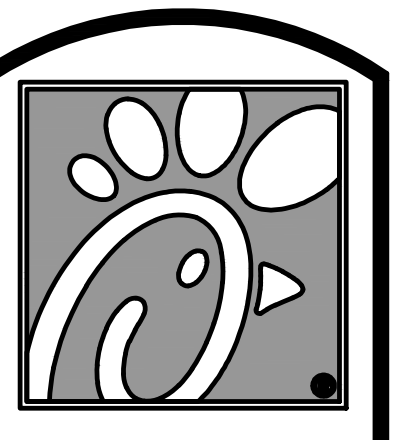


MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:	WEBSITE: WWW.HALTONCOMPANY.COM
HALTON CO. (CANADA)	HALTON CO. (USA)
021 BREVIK PLACE	101 INDUSTRIAL DRIVE
MISSISSAUGA, ONTARIO L4X 1L7	SCOTTSDALE, AZ 85264
1-905-624-0301	1-727-237-5600
REV. 1	REVISION DESCRIPTION
2	REVISED H-1/R & H-2
3	
4	
5	
6	
7	

PROJECT: CHICK-FIL-A #1214  
 PORT ORANGE GATEWAY CENTER  
 LOCATION: PORT ORANGE, FL  
 DRAWN BY: AF DATE: 09.04.19  
 SCALE: NTS  
 Halton Dwg. U19-727-02

**Halton**  
 CARE FOR INDOOR AIR

Sheet H-1.1



5200 Buffington Rd.  
 Atlanta Georgia,  
 30349-2998

Revisions:

Mark	Date	By
2	11/01/19	CH
5	02/05/20	CH

COMMENTS  
 BUILDING  
 KITCHEN

UPDATES

FOR INFORMATION ONLY

**INTERPLAN**  
 ARCHITECTURE  
 ENGINEERING  
 INTERIOR DESIGN  
 PROJECT MANAGEMENT

AA 003420  
 CA 8660  
 604 COURTLAND STREET  
 SUITE 100  
 ORLANDO, FLORIDA 32804  
 PH 407.645.5008  
 FX 407.629.9124

STORE  
 PORT ORANGE  
 GATEWAY CENTER  
 FSU S97-138

1761 DUNLAWTON  
 AVE PORT ORANGE,  
 FL 32127

SHEET TITLE  
 HOOD DETAILS

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Job No. : 19.0327  
 Store : 01214  
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Sheet  
**MHI.2**