



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
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INTERPLAN

INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY. STE 4000
ALPHARETTA, GA 30201
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STORE
WAYCROSS
FSU #2053
S06E

2256 MEMORIAL DR
WAYCROSS, GA
31501

SHEET TITLE
MECHANICAL
DEMO PLAN

VERSION:
ISSUE DATE:

Job No. : 20.0856

Store : 2053

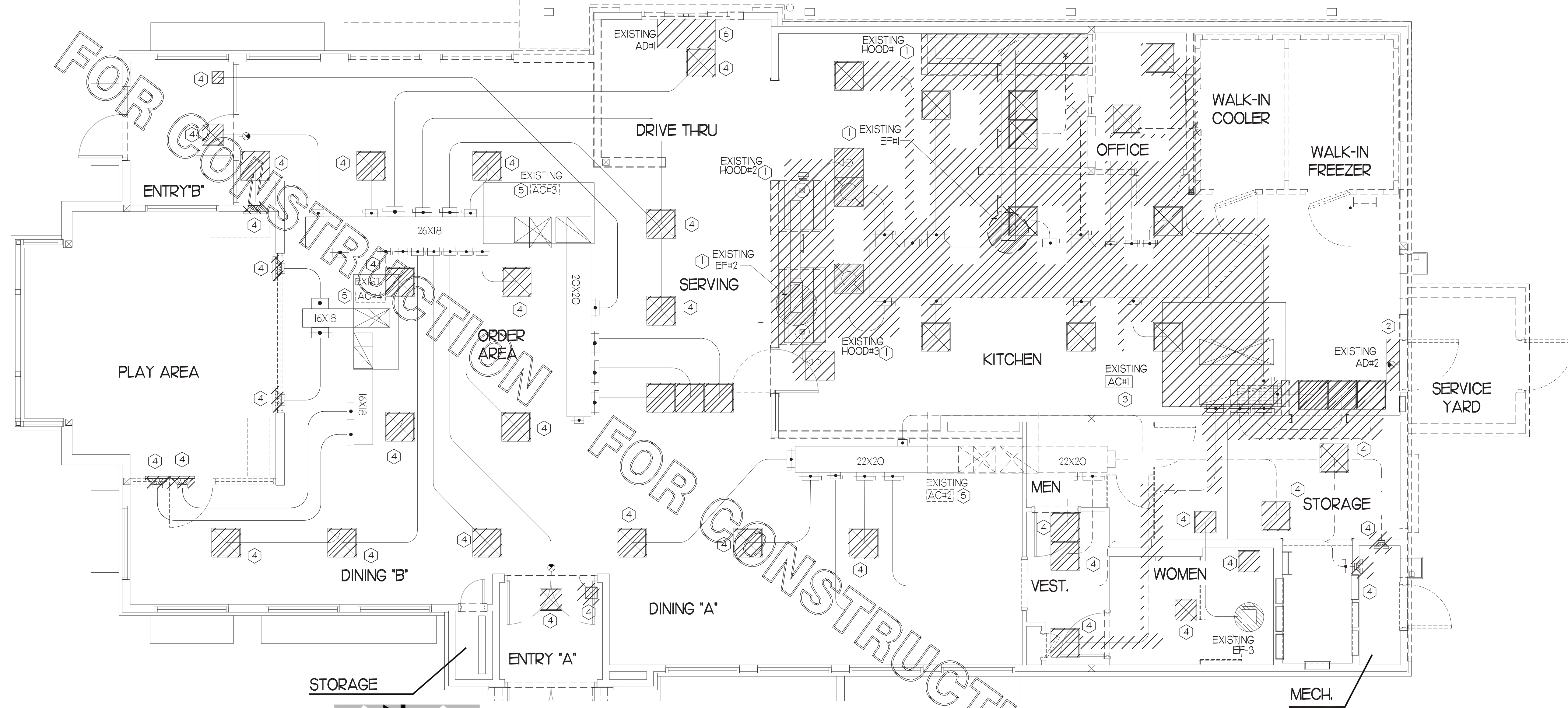
Date : 10.2021

Drawn By : CH

Checked By: DAK

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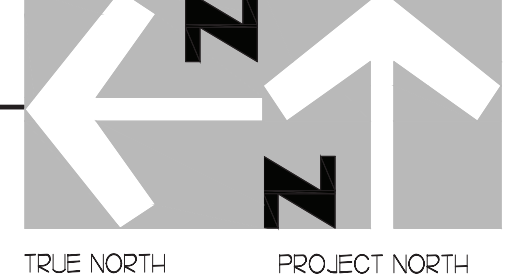
MI.O



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

DEMOLITION LEGEND

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



DEMOLITION NOTES

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

DEMOLITION KEY NOTES

- DEMOLISH EXISTING KITCHEN HOOD, ALL ASSOCIATED GREASE DUCT, AND EXHAUST FAN ON ROOF. EXISTING EXHAUST FAN TO BE REPLACED. TURN OVER EXISTING EXHAUST FAN TO OWNER. COVER ROOF OPENING WEATHER-TIGHT FOR RE-USE. REFER TO SHEET M1J & M3J FOR FURTHER INFORMATION.
- EXISTING AIR CURTAIN TO BE REPLACED. SEE SHEET M1J FOR NEW LOCATION.
- DEMOLISH EXISTING KITCHEN A/C UNIT AND, SUPPLY/RETURN AIR DROPS, ALL ASSOCIATED SUPPLY/RETURN DUCT (UNLESS OTHERWISE NOTED), AIR DEVICES AND TEMPERATURE SENSOR, CAP, SEAL AND COVER EXISTING ROOF CURB WEATHER-TIGHT. DISCONNECT GAS, ELECTRICAL, AND UNIT CONTROLS FROM EXISTING ROOFTOP UNIT. EXISTING ROOFTOP UNIT TO BE REPLACED WITH NEW AS SCHEDULED ON SHEET M3J. SEE SHEETS M1J AND M3J FOR FURTHER INFORMATION.
- DETACH AND DEMOLISH EXISTING AIR DEVICE SEE SHEET M1J FOR NEW AIR DEVICE LOCATIONS.
- EXISTING ELECTRIC COOLING/GAS HEATING ROOFTOP HVAC UNIT AND ASSOCIATED TEMPERATURE SENSOR TO REMAIN REFER TO SHEET M3J FOR FURTHER INFORMATION.
- EXISTING AIR CURTAIN TO BE REPLACED WITH NEW AD#1. REFER TO M1J AND M3J.

FIELD VERIFY ALL CONDITIONS

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

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

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

LEGEND

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

HVAC KEY NOTES

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

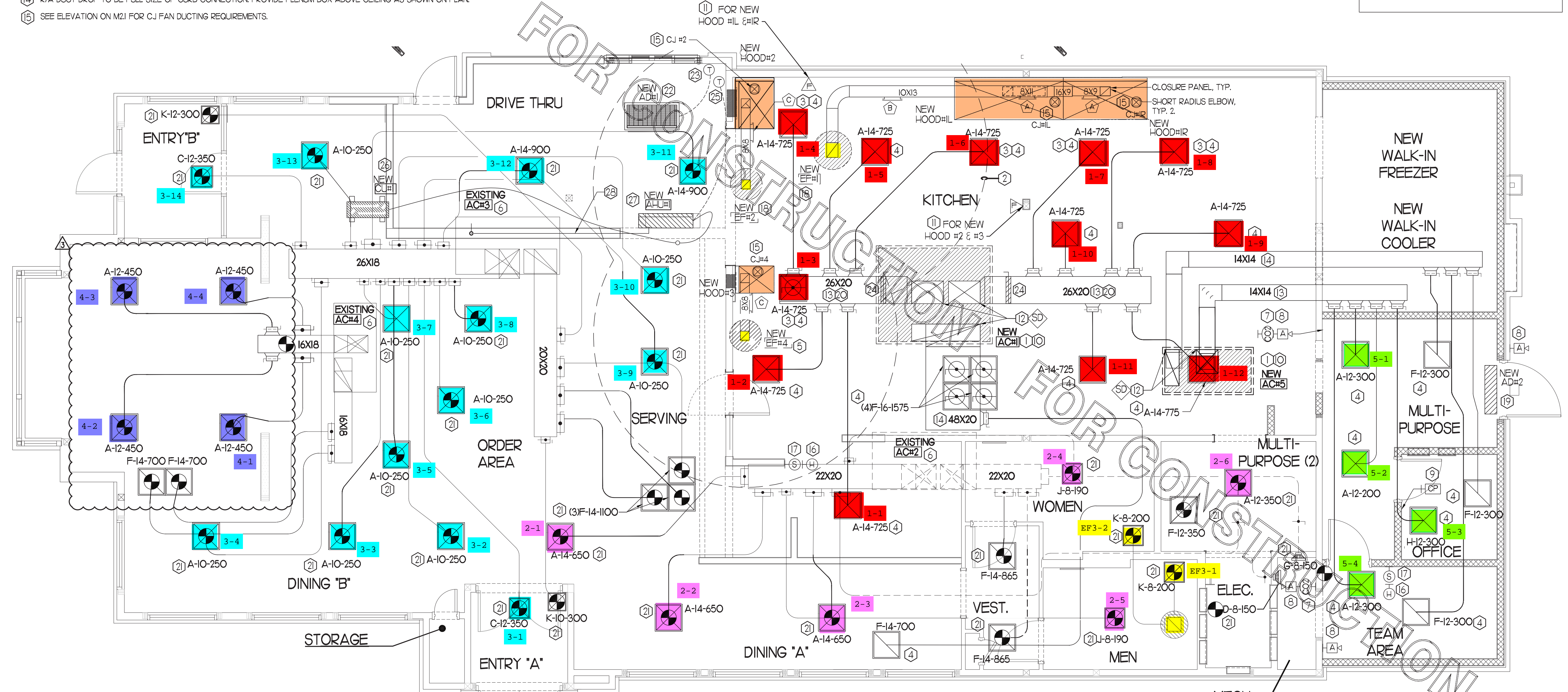
- 16 MOUNT NEW LENOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
- 17 MOUNT NEW REMOTE TEMPERATURE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL. FOR SENSOR SERVING KITCHEN ACH, 5'-8" AFF. COORDINATE EXACT LOCATION WITH KITCHEN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

HVAC GENERAL NOTES

1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
2. MECHANICAL CONTRACTOR SHALL BALANCE HVAC SYSTEM AS SHOWN ON THE PLAN & RTU SCHEDULE ON SHEET M-3.1. IF AIR FLOWS DIFFER BY MORE THAN 5%, CONTACT OFA 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 & REFLURISH 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).



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



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
3 10/28/21 JR
PLAYGROUND

REMOVAL
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FSU #2053
S06E

2256 MEMORIAL DR
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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#1L, #1R, #2,#3 WITH THREADED ROD AT EACH FACTORY SUPPORT POINT. EACH SUPPORT POINT MUST SUPPORT THE HOOD WEIGHT EQUALLY. ATTACH TO STRUCTURE AS DETAILED ON STRUCTURAL DRAWINGS.

HOOD SCHEDULE

MARK	EXHAUST CFM	SP • TAB PORT	CAPTURE JET CFM & SP.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	MANUFACTURER	MODEL	REMARKS
NEW HOOD#1L	1080	0.24	72 • 0.30'	CANOPY	17X8"	96	37	38	HALTON	KVL-2	I
NEW HOOD#1R	832	0.23	55 • 0.30'	CANOPY	9X8"	74	37	38	HALTON	KVL-2	I
NEW HOOD#2	701	0.39	30 • 0.29'	CANOPY	8X8"	42	34	38	HALTON	KVL-C	I
NEW HOOD#3	390	0.42	18 • 0.30'	CANOPY	8X8"	24	31	38	HALTON	KVL-D	I

NOTES
DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (HEIGHT DOES NOT INCLUDE CLOSURE PANELS).
REMARKS
I. TYPICAL INSTALLATION FOR NEW HOODS. FIELD VERIFY & COORDINATE WITH HOOD DRAWINGS BY HALTON. REFER TO SHEET M2.1 & M2.2 PRIOR TO BID & CONSTRUCTION.

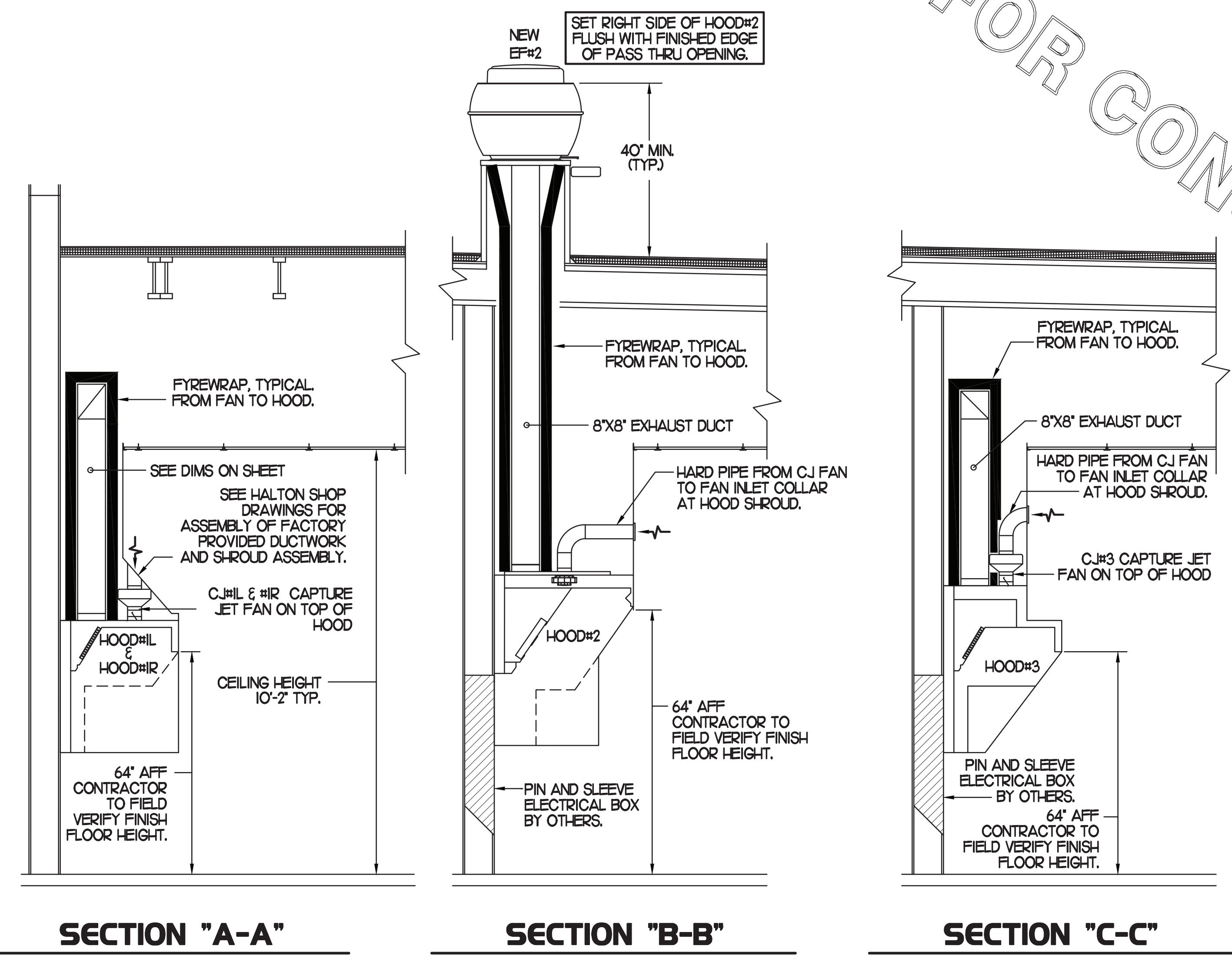
GREASE EXHAUST DUCT CLEARANCE NOTE
CLEARANCES ABOVE CEILING ARE TIGHT. MECHANICAL CONTRACTOR TO FIELD VERIFY EXACT ROUTING AND CLEARANCES PRIOR TO FABRICATING GREASE EXHAUST DUCT.

CAPTURE JET NOTE
REFER TO "CAPTURE-JET FAN INSTALLATION AND DIMENSIONAL DATA" SCHEDULE ON HALTON SHOP DRAWINGS (SHEET M4.1) FOR INFORMATION ON CAPTURE JET FAN.

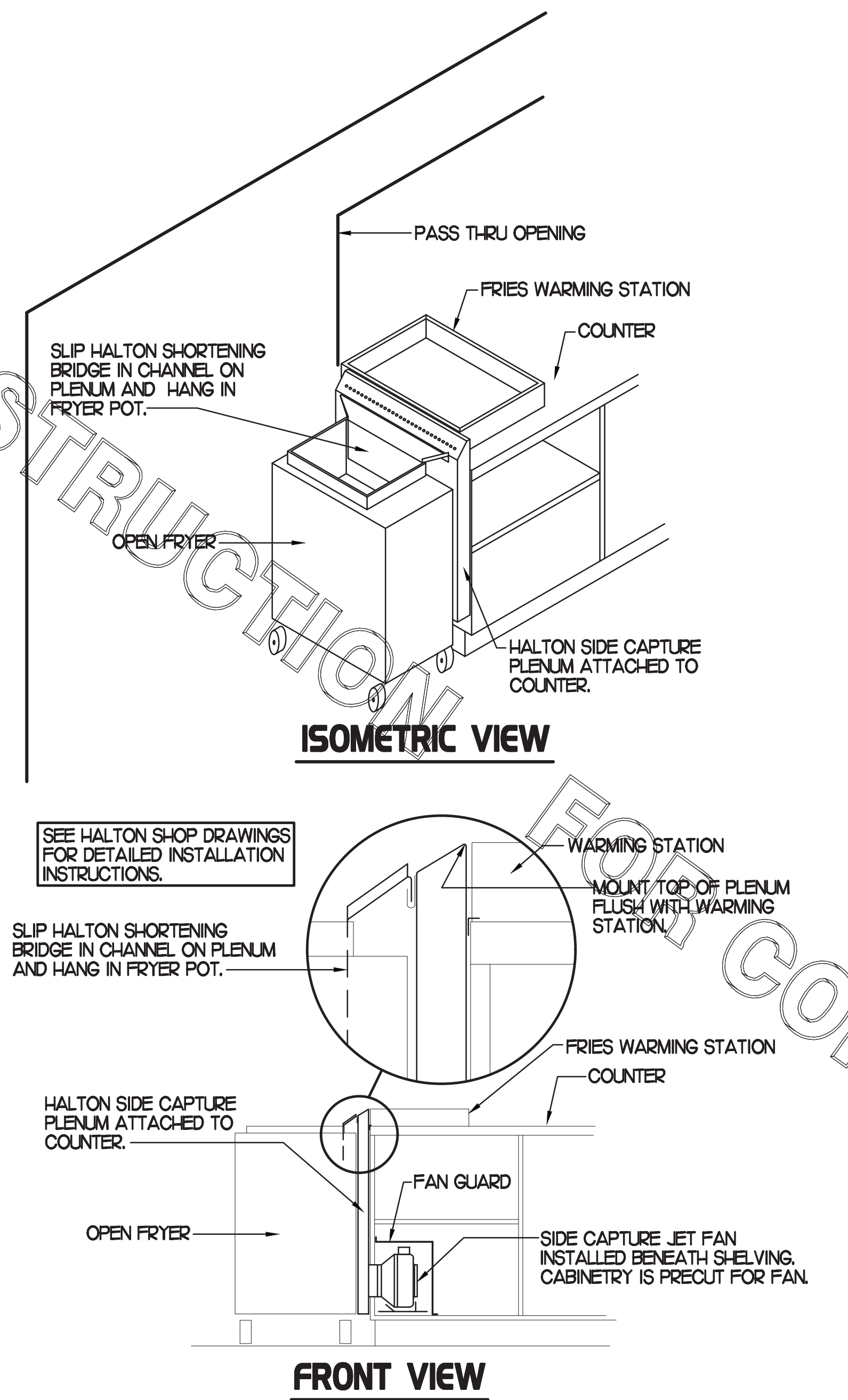
CLEANOUT DOOR NOTE
DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS, NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

HOOD ELEVATION NOTE
HOOD ELEVATIONS ON THIS SHEET ONLY SERVE ILLUSTRATIVE PURPOSES. SEE DETAILS ON HALTON SHOP DRAWINGS ON SHEET M4.1 FOR DETAILS ON STANDOFFS, CLEARANCES, AND HOOD CONSTRUCTION.

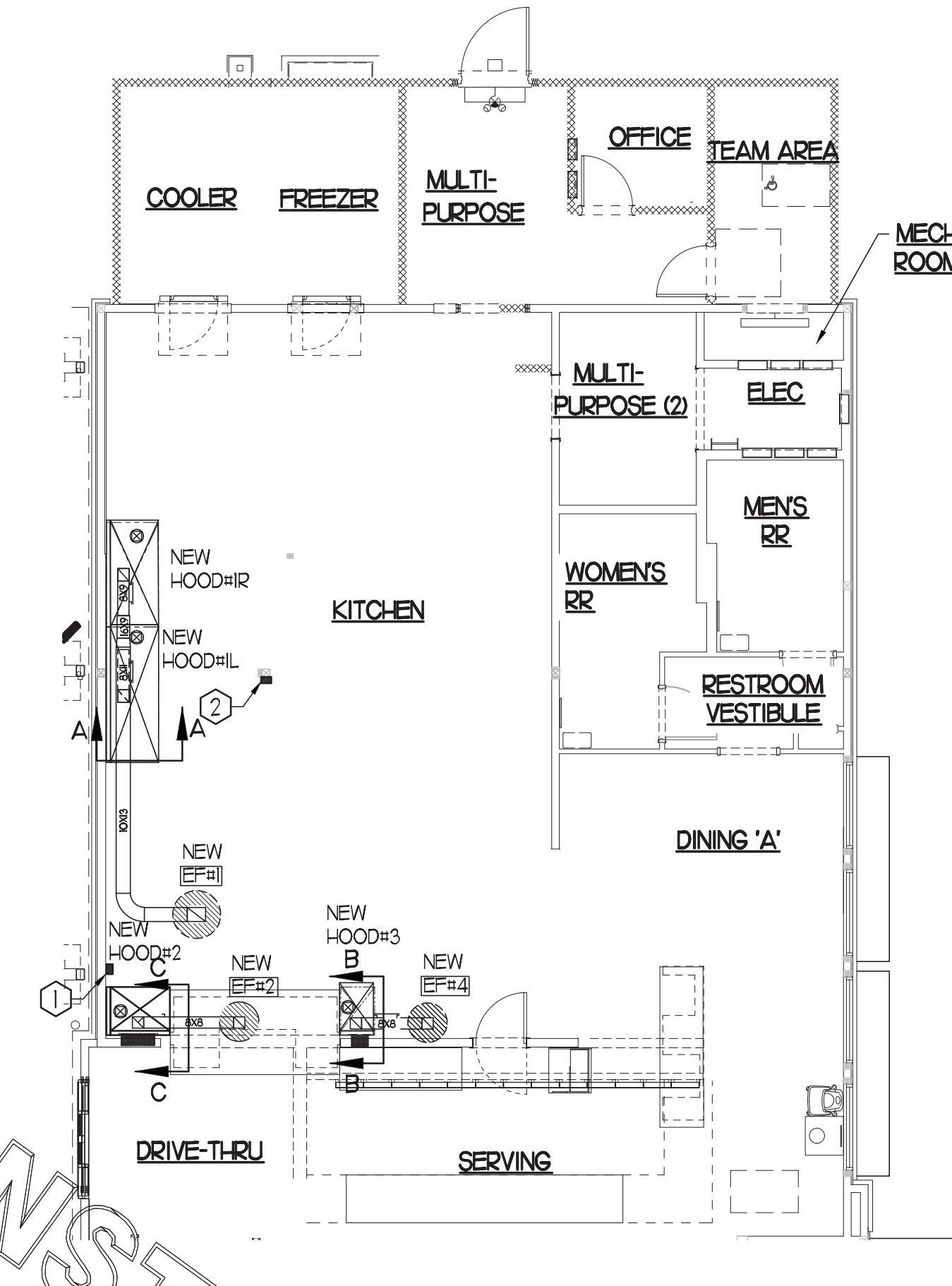
NOTE
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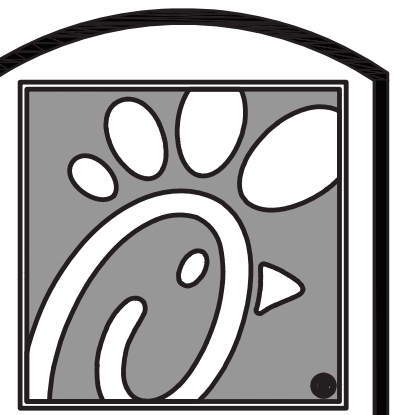
3 HOOD ELEVATIONS
SCALE: NONE



2 HALTON SIDE CAPTURE JET PLENUM
SCALE: NONE



1 HOOD LAYOUT
1/8"=1'-0"



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5200 Buffington Rd.
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STORE
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SHEET TITLE
HOOD DETAILS
& SCHEDULE

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M2.1

GAS FIRED ROOFTOP UNIT SCHEDULE

MARK	TONNAGE	AREA SERVED	COOLING CAPACITY (MBH)		HEATING CAPACITY (MBH)		FAN SECTION (CFM)			EXISTING MANUFACTURER/ MODEL	NEW MANUFACTURER/ MODEL	ARI RATINGS	PERCENTAGE OF OUTDOOR AIR	ELECTRICAL DATA			REMARKS	APPROX. NET WEIGHT INCLUDING OPTIONS
			TOTAL	SENS	INPUT	OUTPUT	STAGES	SUPPLY	O.A.					IP	ESP	VOLTS/PHASE		
NEW AC#1	25.0	KITCHEN	294.5	226.8	480.0	384.0	2	8,750	1750	10	10	10	22.0%	208/3/60	142	150	13,45,7,8,9,10,11,12,14	2,97 LBS
EXISTING AC#2	5	DINING A	-	-	-	-	-	-	-	-	-	-	22.0%	-	-	-	17	-
EXISTING AC#3	12.5	DINING B, DT	-	-	-	-	-	-	-	-	-	-	24.0%	-	-	-	17	-
EXISTING AC#4	5	DINING B	-	-	-	-	-	-	-	-	-	-	23.0%	-	-	-	17	-
NEW AC#5	3	MULTI-PURPOSE	35.8	27.6	65.0	52.0	1	1,100	200	5	45	-	18.0%	208/3/60	23	30	23,46,7,8,9,10,11,12,13,14,15	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 1/4" HIGH ROOF CURB.
4. SEE DETAIL MA-2 FOR SETTING OF PROOXYING AND M-8 IMC BOARD CONTROLLECTO PARAMETERS BY MC.
5. PROVIDE FACTORY INSTALLED AND UNIT POWERED 15V GFI SERVICE OUTLET.
6. PROVIDE FACTORY INSTALLED 15V GFI SERVICE OUTLET.
7. PROVIDE FACTORY INSTALLED RETURN AND SUPPLY-SIDE SMOKE DETECTOR.
8. PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
9. PROVIDE 2" NERV 8 THROW AWAY FILTERS.
10. PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
11. ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL AS RECOMMENDED BY MANUFACTURER.
12. PROVIDE FACTORY COIL HALL GUARD, FIELD INSTALLED.
13. PROVIDE UNIT WITH 165AV 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 H-VAC EQUIPMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING CLEARANCES. E SHALL MEET ALL LOCAL AND STATE CODE REQUIREMENTS. INSTRUCTIONS SHALL BE ON SITE AND AVAILABLE FOR ALL INSPECTIONS, SERVICE, REPAIR, OR REPLACEMENT.
- NEW ROOFTOP UNITS ONLY, MECHANICAL CONTRACTOR SHALL RELOCATE THE FACTORY INSTALLED SUPPLY SIDE SMOKE DETECTOR FROM THE BLOWER SECTION TO THE SUPPLY DUCT DROP ABOVE THE FIRST 90 DEGREE DUCT FITTING.
- NEW ROOFTOP UNITS ONLY, THE MECHANICAL CONTRACTOR SHALL SPLICE NEW PLENUM RATED CABLE BETWEEN THE FACTORY SMOKE DETECTOR AND THE FACTORY JACK PLUG. THE NEW WIRING SHALL BE ROUTED THRU THE ROOFTOP UNIT BASEPAN RACEWAY. SPLICES SHALL BE JOINED WITH CRIMP ON FITTINGS AND HEAT SHRINK JACKETS.

EXHAUST FAN SCHEDULE

MARK	CFM	ESP	RPM	TIP SPEED (FPM)	IP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
NEW EF-1	1,912	.45	964	4,164	1/2	NEW HOOD#2	165V5B	LOREN COOK	123,4,5,6
NEW EF-2	701	.75	1,937	5,071	1/4	NEW HOOD#2	100V3B	LOREN COOK	123,4,5,6
EXISTING EF-3	400	-	-	-	-	RESTROOMS	-	-	7
NEW EF-4	390	.75	1,238	4,861	1/3	NEW HOOD#4	150V4B	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-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRON COMPANY FOR THE FAN/CLUB PACKAGE. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CLUB PACKAGE DIRECTLY FROM TOM BARRON COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARRON COMPANY WILL NOT BE ACCEPTED.
- REMARKS
1. PROVIDE FACTORY 1" O" 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 62 DRIP GUARD. MECHANICAL CONTRACTOR TO CONTACT ROOFTOP SOLUTIONS AT 800-913-7034.
 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/ KITCHEN	VARIABLE	24"X24"	LAY-IN	1,7
C	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	ENTRY	14"X14"	19"X19"	BEVELLED	1,3,5,6
F	PRICE MODEL 80 EGGRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	PLAYAREA OFFICE KITCHEN	SEE PLAN	24"X24"	LAY-IN	1,8
J	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10"X10"	16"X16"	BEVELLED	1,2,3,5,7
K	PRICE MODEL APDR ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOMS ENTRIES	14"X14"	17"X17"	SURFACE	1,4,5,7

- NOTES
- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRON COMPANY FOR THE AIR DEVICES. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARRON COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARRON COMPANY WILL NOT BE ACCEPTED.
- REMARKS
1. STANDARD OFF WHITE FINISH.
 2. PROVIDE MODEL VCS3 NECK DAMPER.
 3. SEE DRAWING MJ FOR THROW.
 4. PROVIDE BACKPAN MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
 5. PROVIDE MODEL VCR7 NECK DAMPER ON GRILLES IN RESTROOMS SERVING EXHAUST FAN.
 6. FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 2/M-1.
 7. FACTORY INSULATED R-6 BACKPAN.

OUTDOOR AIR CALCULATION

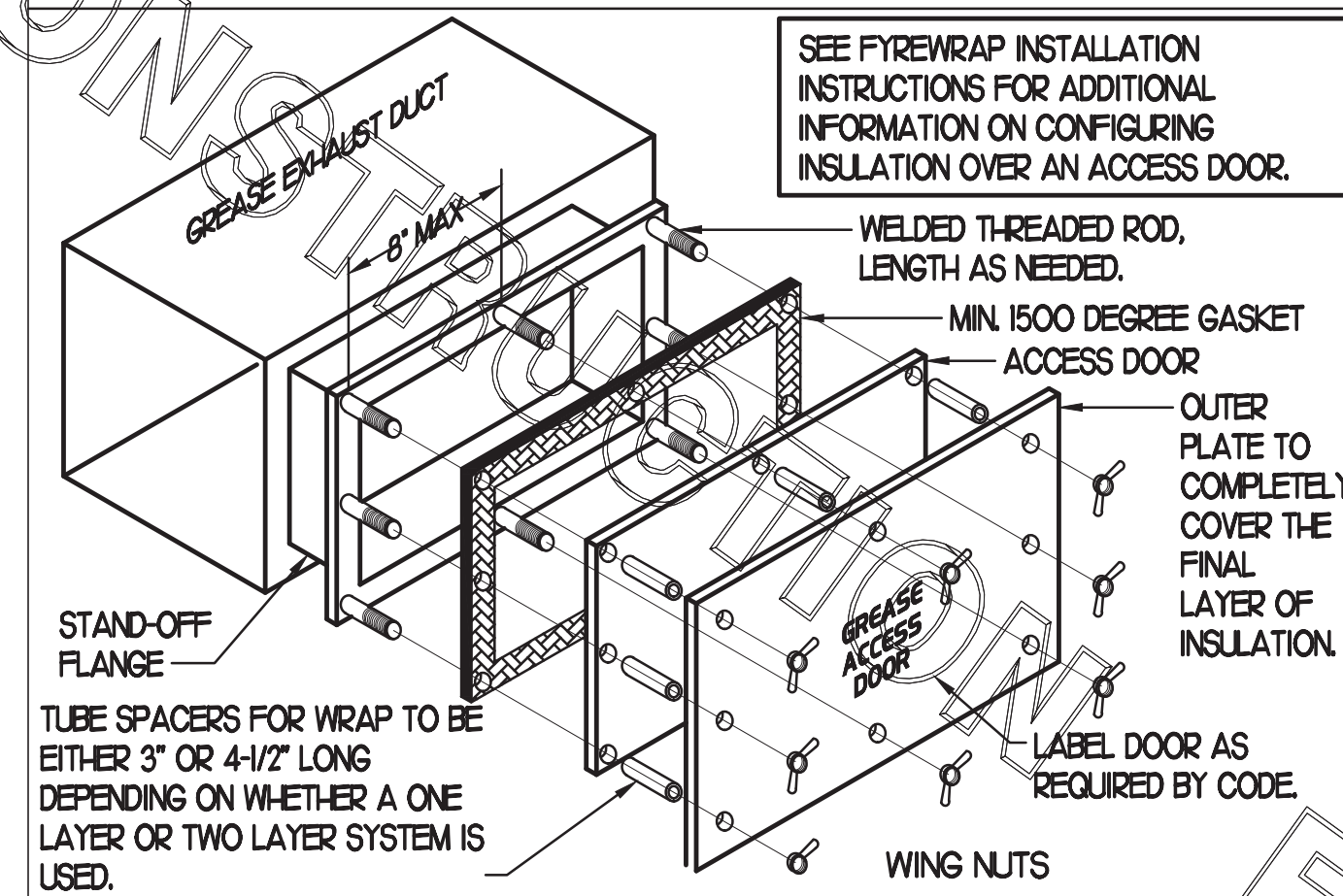
ROOM NUMBER & NAME	AREA SQ. FT.	NO. OF PEOPLE	REQD OA CFM/PERSON	REQD OA CFM/SQ FT	TOTAL OSA	REQD EXHAUST AIR PER FIXTURE	REQD OSA AC-1	REQD OSA AC-2	REQD OSA AC-3	REQD OSA AC-5	REQD OSA AC-5	
KITCHEN	1173	8	7.50	0.18	271.1		271.1					
RR VESTIBULE	52	0	5.00	0.06	3.1				3.1			
MENS RR	86	0	0.00	0.00	0.0	50/70						
WOMENS RR	100	0	0.00	0.00	0.0	50/70						
DINING A	218	16	7.50	0.18	159.2				159.2			
MULTI-PURPOSE	131	0	5.00	0.06	7.9				7.9			
DRIVE THRU	276	2	7.50	0.18	64.7					64.1		
SERVING AREA	286	4	7.50	0.18	81.5					81.5		
WAITING AREA	265	0	5.00	0.06	15.9					15.9		
DINING B	543	46	7.50	0.18	442.7				442.7			
ENTRY 'A'	46	0	5.00	0.06	2.8				2.80			
ENTRY 'B'	69	0	5.00	0.06	4.1				4.10			
PLAYGROUND	288	12	7.50	0.18	141.8						141.80	
OFFICE	54	1	5.00	0.06	8.2						8.2	
MULTI-PURPOSE	164	0	5.00	0.06	9.8						9.80	
EMPLOYEE ROOM	86	0	5.00	0.06	5.2						5.20	
ZONE EFFECTIVENESS												
TOTALS			REQUIRED OUTSIDE AIR		100/140	271.10	162.30	607.00	141.80	18.00		
			PROVIDE OUTSIDE AIR		-	1750	600	1100	400	200		

OUTSIDE AIR BASED ON THE 2018 INTERNATIONAL MECHANICAL CODE.

GREASE ACCESS DOOR SCHEDULE

MARK	OPENING SIZE	DOOR SIZE	REMARKS
A	6.5H X 12W	8.5H X 14W	1
B	10.5H X 14W	12.5H X 16W	1
C	5.5H X 14W	7.5H X 16W	1

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



AIR DOOR SCHEDULE

MARK	CFM	VELOCITY	HEATING CAP	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
AD#1	1765	2670 FPM	10 KW	3/4	DRIVE THRU	CHA-1-48E	POWERED-AIRE	1,2,3,5
AD#2	3,867	4,218	NA	3/4	REAR DOOR	RBT-1-48	POWERED-AIRE	3

NOTES

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRON COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARRON COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARRON COMPANY WILL NOT BE ACCEPTED.

REMARKS

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

DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

MARK	COOLING CAPACITY (MBH)		EFFICIENCIES	FAN SECTION (CFM)	ELECTRICAL DATA			R-410A MODEL	MFG	WEIGHT		
	MIN	MAX			SEER	SUPPLY	CIRCUIT AMPACITY			MOCP	VOLTAGE	AHU
AHU/CJ#1 (NEW)	116	36.0	16.2	705-920	28	40	208/1/60	RKA-A39KA7	PLZ-4439NHA5	MTSLBISHI	46 LBS	265 LBS

NOTES

- MECHANICAL CONTRACTOR SHALL PURCHASE THE SPLIT SYSTEM HEAT PUMP DIRECTLY FROM TRANEMITSUBISHI COMPANY. CONTACT ISAAC LOCKETT WITH TRANEMITSUBISHI AT 678-775-4226

REMARKS

1. ELECTRICIAN TO PROVIDE NON-FUSED DISCONNECT.
2. MECHANICAL TO PROVIDE AND INSTALL REFRIGERANT PIPING AS PER MFR RECOMMENDATIONS.
3. PROVIDE ENGRAVED PLASTIC LABEL AT AHU AND CJ#1 WITH 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND RIVETED TO UNIT CABINET.
4. PROVIDE WITH ADEQUATE REFRIGERANT LINE SET. FIELD VERIFY DISTANCE FROM WHERE CONDENSER IS TO BE SET TO AIR HANDLER LOCATION PRIOR TO ORDERING.
5. PROVIDE WITH FACTORY WIRED 7-DAY PROGRAMMABLE WALL THERMOSTAT, MODEL TAR-CT0MAU-SB

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: LHS1 / ETL CLASS 1 AIR DUCT STANDARD CODE

NFPA 90A AND 90B, BOCA, SBCC HLD/PHA, MIN PROPERTY STD. FLAME SPREAD LESS THAN 25 SMOKE DEVELOPE LESS THAN 50

MIN R8.0 FOR ATTIC/UNCONDITIONED 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
NEW AC-1 OA (25 TON-20% OA)	-1750
NEW AC-5 OA (3 TON-23% OA)	+200
NEW EF-1 KITCHEN HOOD #1L	-1080
NEW EF-1 KITCHEN HOOD #1R	-832
NEW EF-2 KITCHEN HOOD #3	-390
NEW EF-4 KITCHEN HOOD #2	-701
TOTAL	-353

DINING PRESSURIZATION

EXISTING AC-2 OA (5 TON-19% OA)	+600
EXISTING AC-3 OA (17.5 TON-24.0% OA)	+1100
EXISTING AC-4 OA (5 TON-22.0% OA)	+400
EXISTING EF-3 RESTROOM EXHAUST	-400
RETURN AIR FROM SIDE DINING BACK TO KITCHEN	-700
BUILDING POSITIVE PRESSURE TOTAL	+1000
BUILDING POSITIVE PRESSURE	647

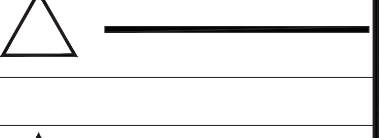


Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
3 10/28/21 JR
PLAYGROUND

REMOVAL



SEAL



INTERPLAN

INTERPLAN LLC
AR0011595
CA 8640
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
WAYCROSS
FSU #2053
S06E

2256 MEMORIAL DR
WAYCROSS, GA
31501

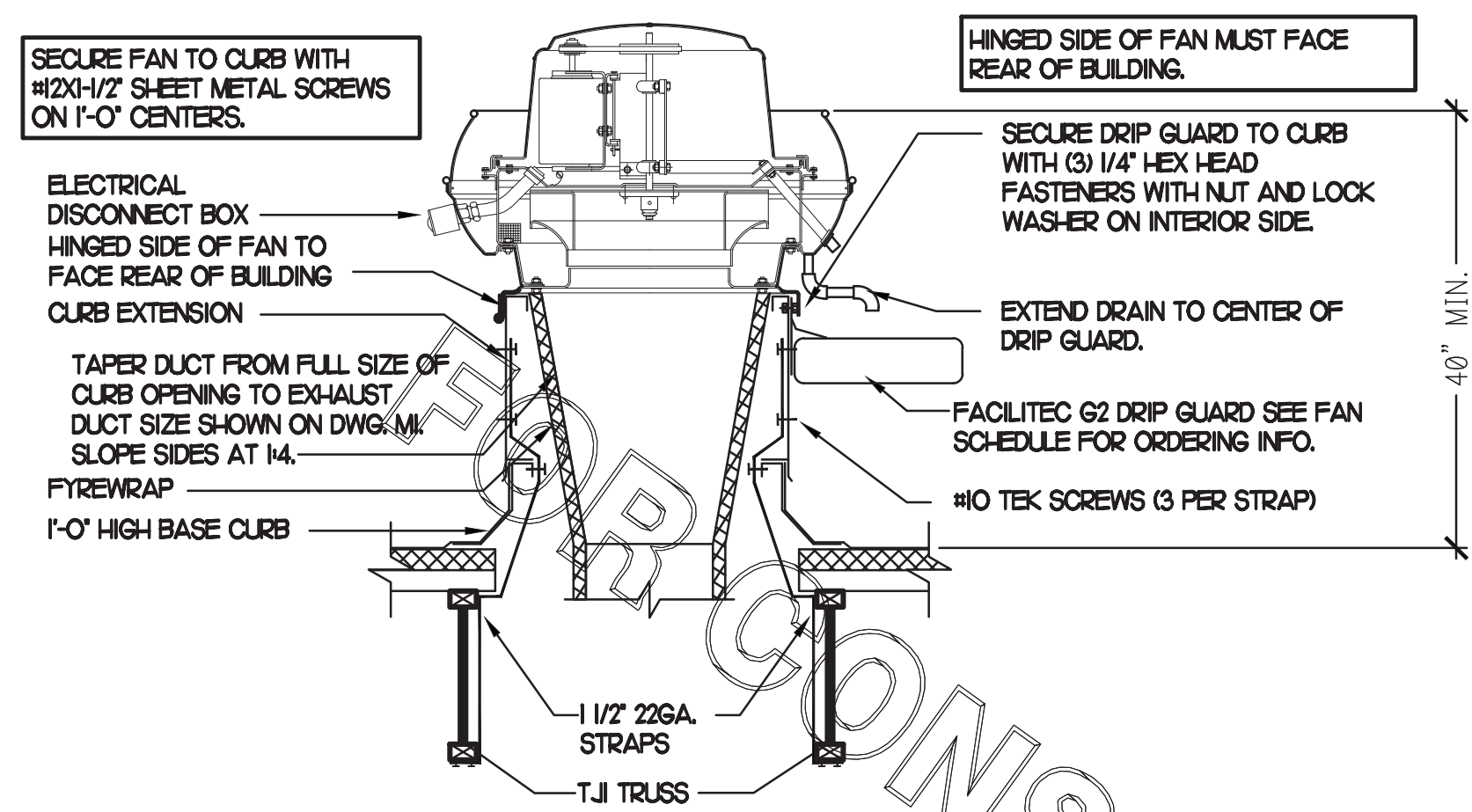
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MECHANICAL
SCHEDULES

VERSION:
ISSUE DATE:

Job No. : 20.0856
Store : 2053
Date : 10.2021
Drawn By : CH
Checked By : DAK

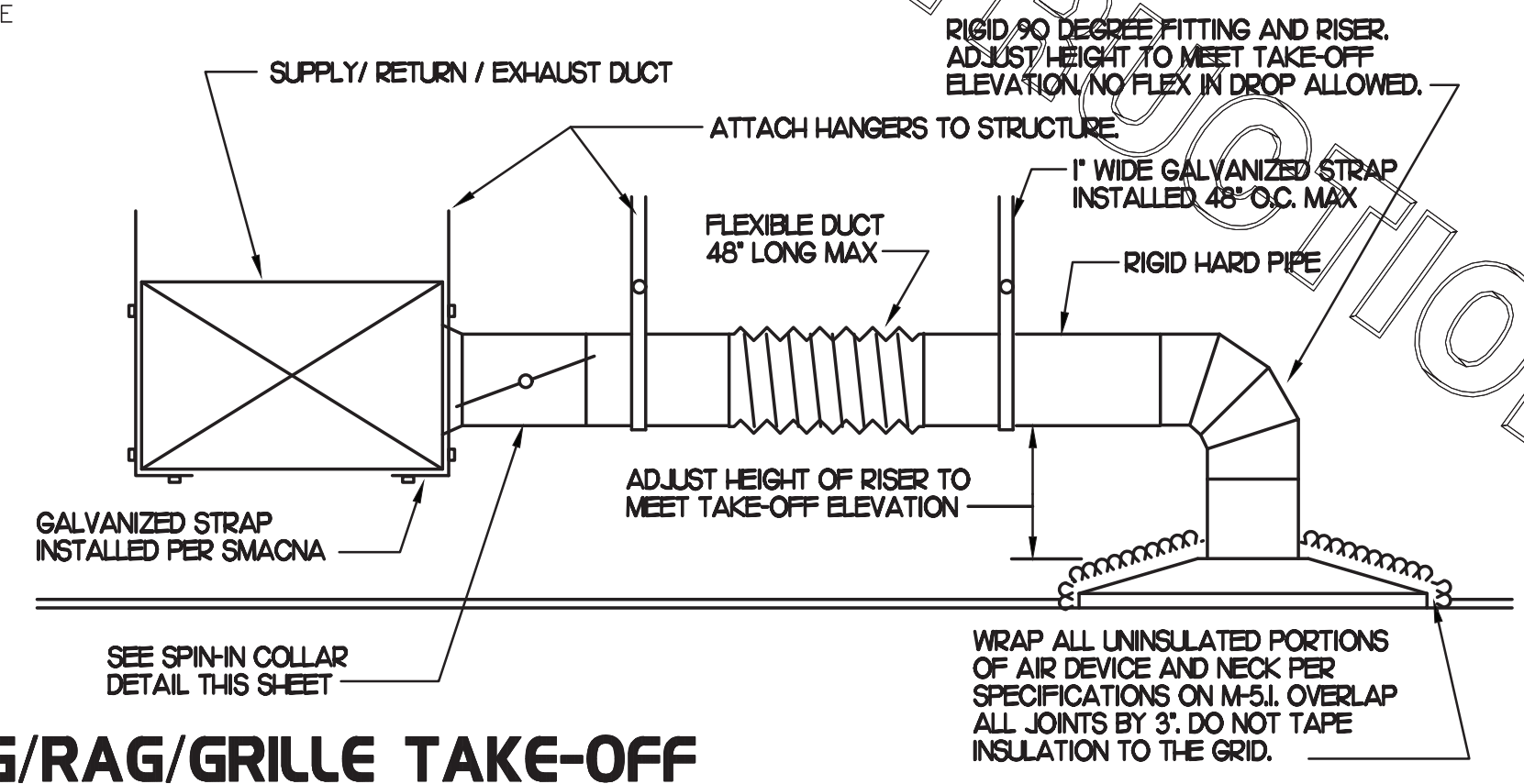
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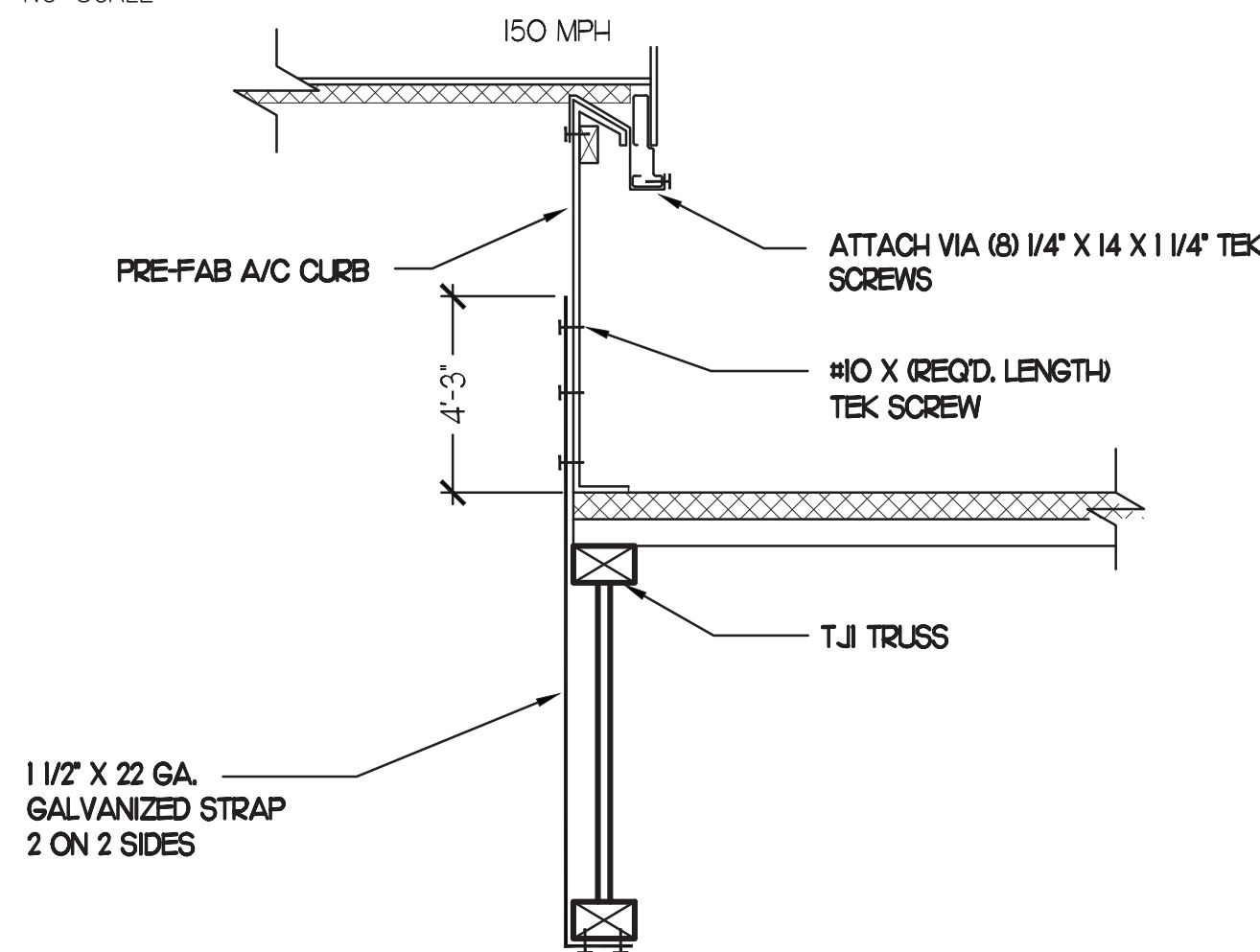
1 KITCHEN HOOD EXHAUST FAN

NO SCALE



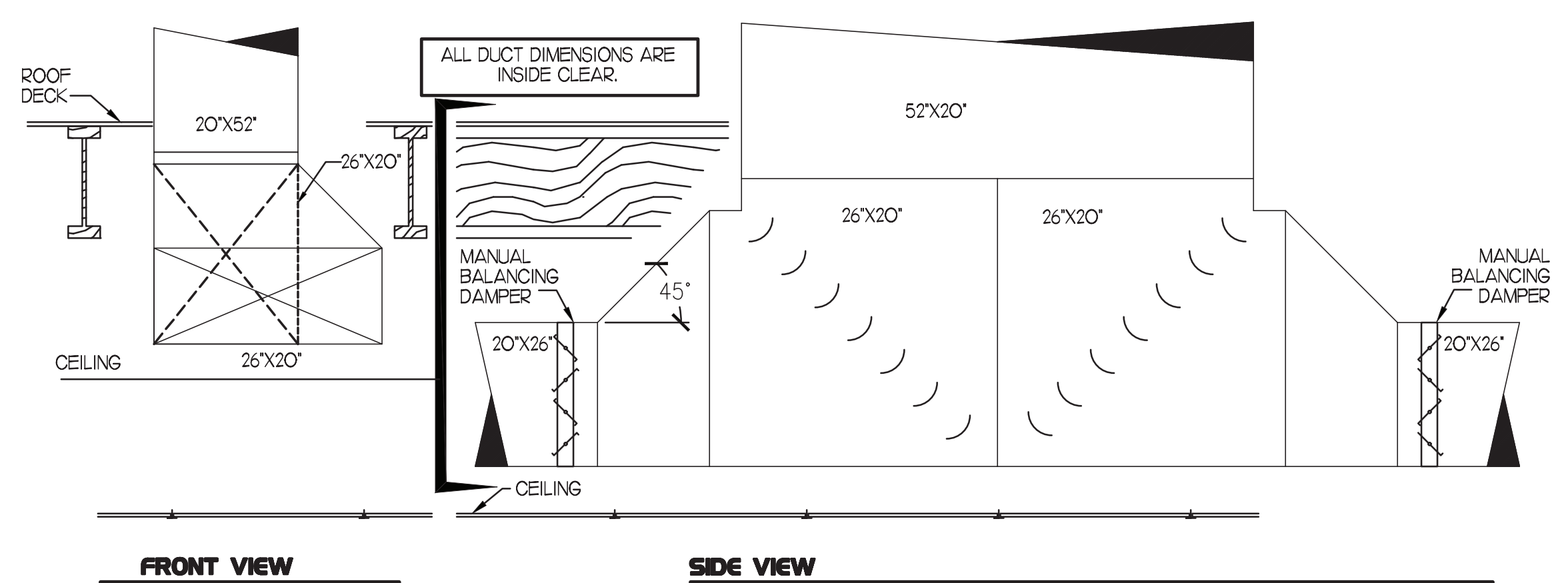
2 SAG/RAG/GRILLE TAKE-OFF

NO SCALE



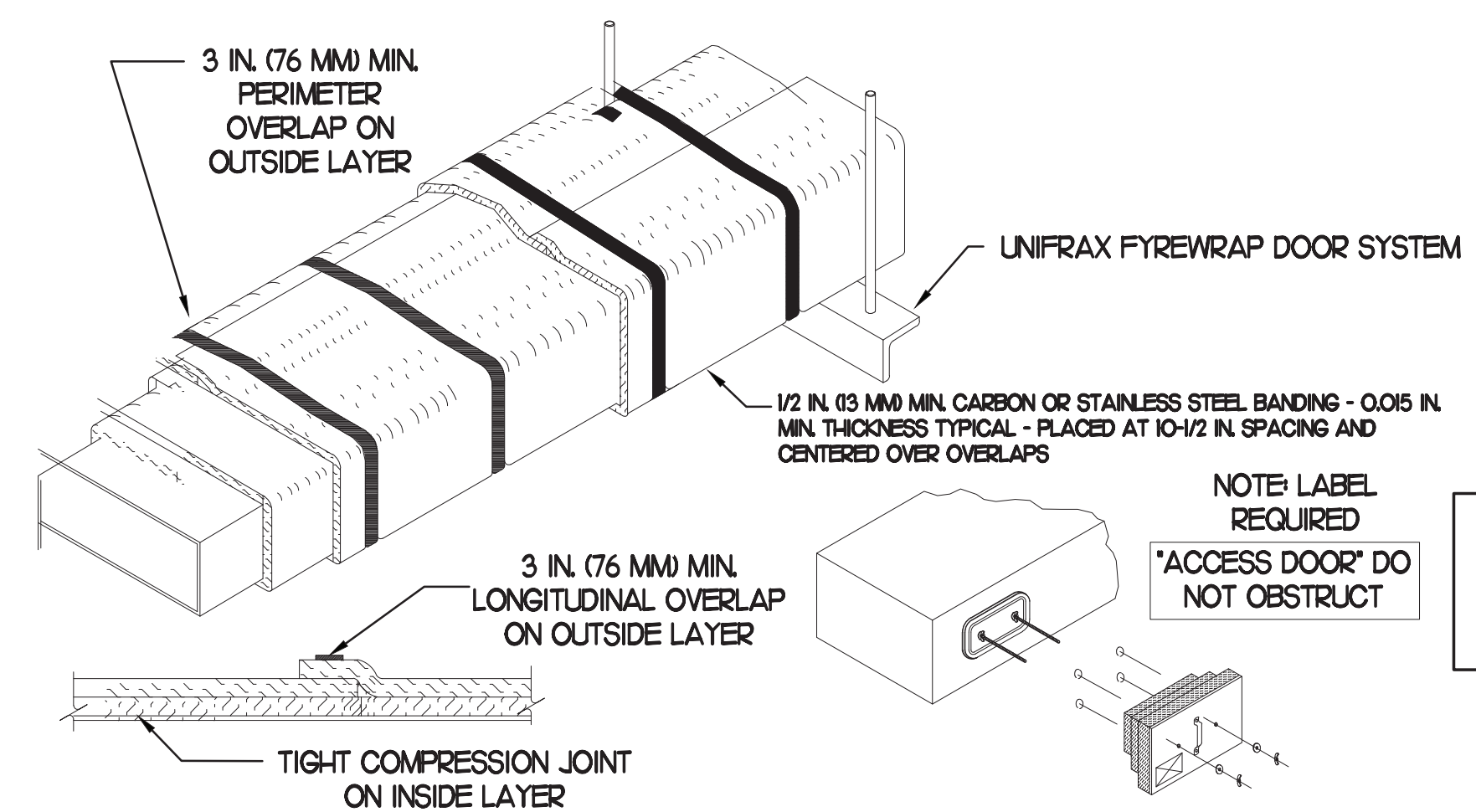
3 RTU TIE-DOWNS DETAIL

NO SCALE



4 TEE CONSTRUCTION

NO SCALE



1. 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.

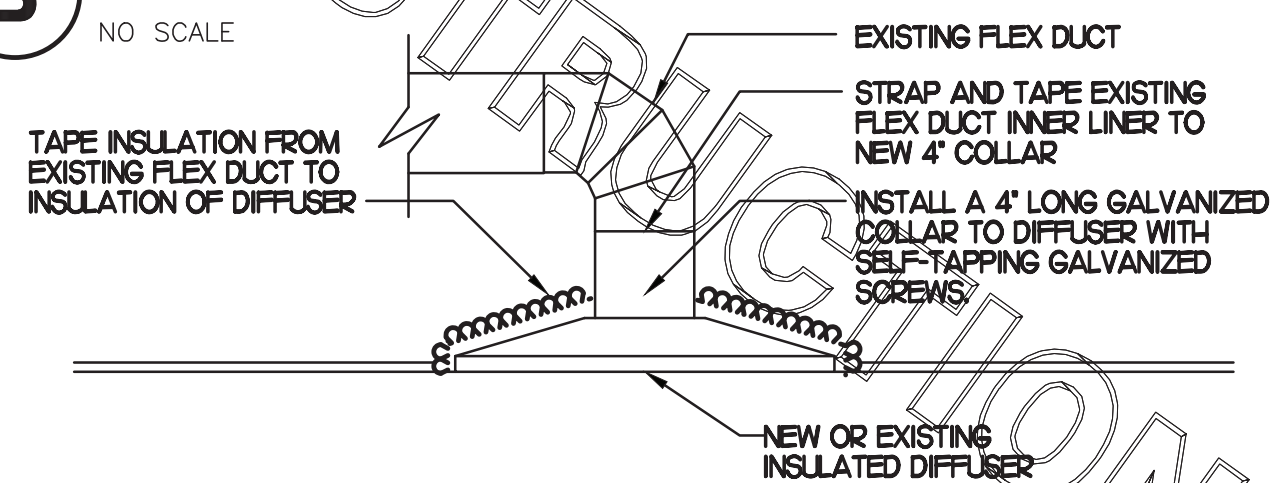
2. COMPLIANT TO THE FOLLOWING CODES:

- | | |
|--|---|
| BUILDING CODE:
2018 INTERNATIONAL BUILDING CODE | ELECTRICAL CODE:
2017 NATIONAL ELECTRICAL CODE |
| PLUMBING CODE:
2018 INTERNATIONAL PLUMBING CODE | ENERGY CODE:
2018 INTERNATIONAL ENERGY CONSERVATION CODE |
| MECHANICAL CODE:
2018 INTERNATIONAL MECHANICAL CODE | FIRE CODE:
2018 INTERNATIONAL FIRE CODE |
| FUEL GAS CODE:
2018 INTERNATIONAL FUEL GAS CODE | ACCESSIBILITY CODE:
ADA STANDARDS OF DESIGN 2018 |

- 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.

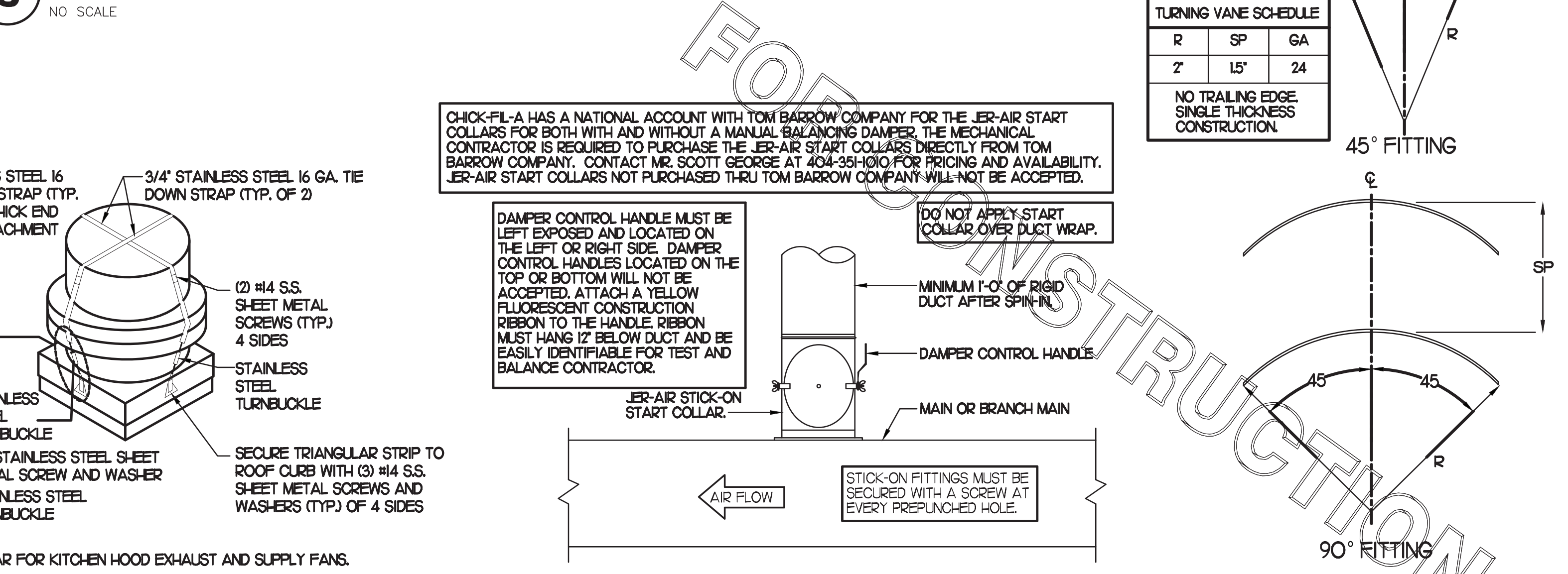
5 GREASE EXHAUST DUCT PROTECTION TO COMBUSTIBLES DETAIL

NO SCALE



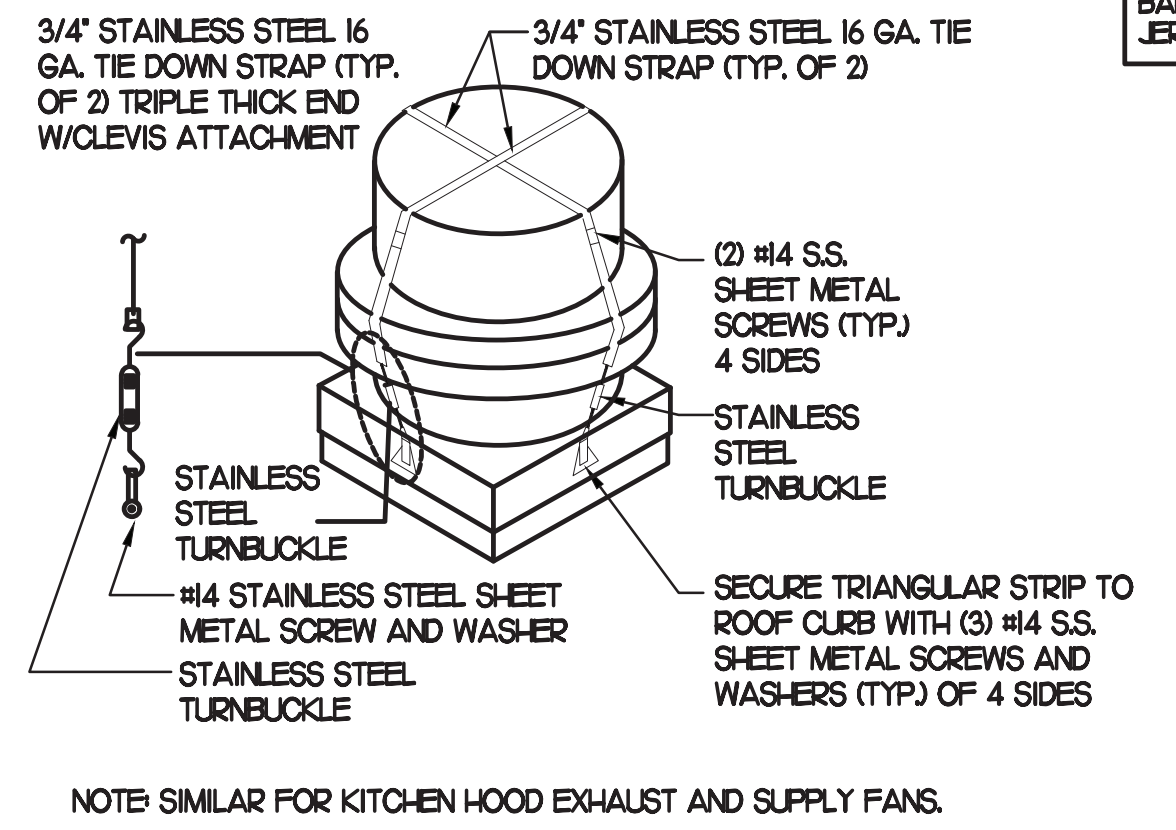
6 DIFFUSER & GRILLE WHEN CEILING IS REPLACED

NO SCALE



7 FAN SECURING DETAIL

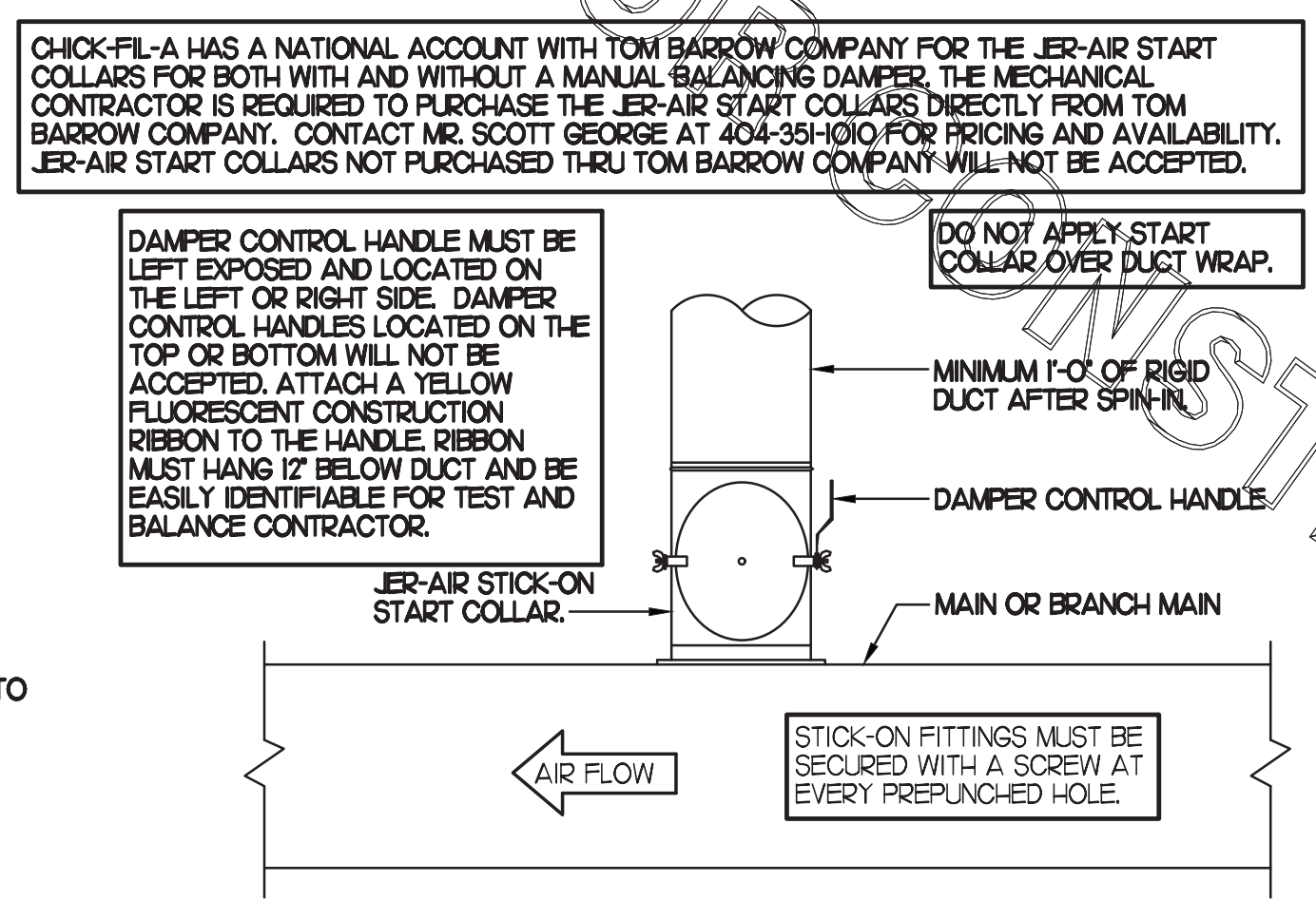
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NOTE SIMILAR FOR KITCHEN HOOD EXHAUST AND SUPPLY FANS.

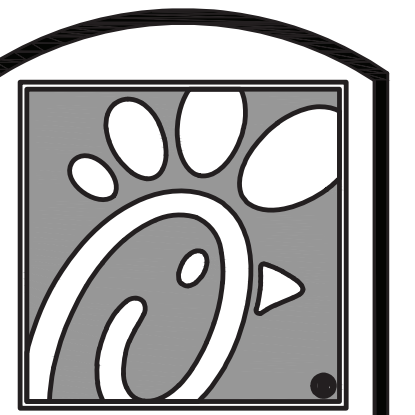
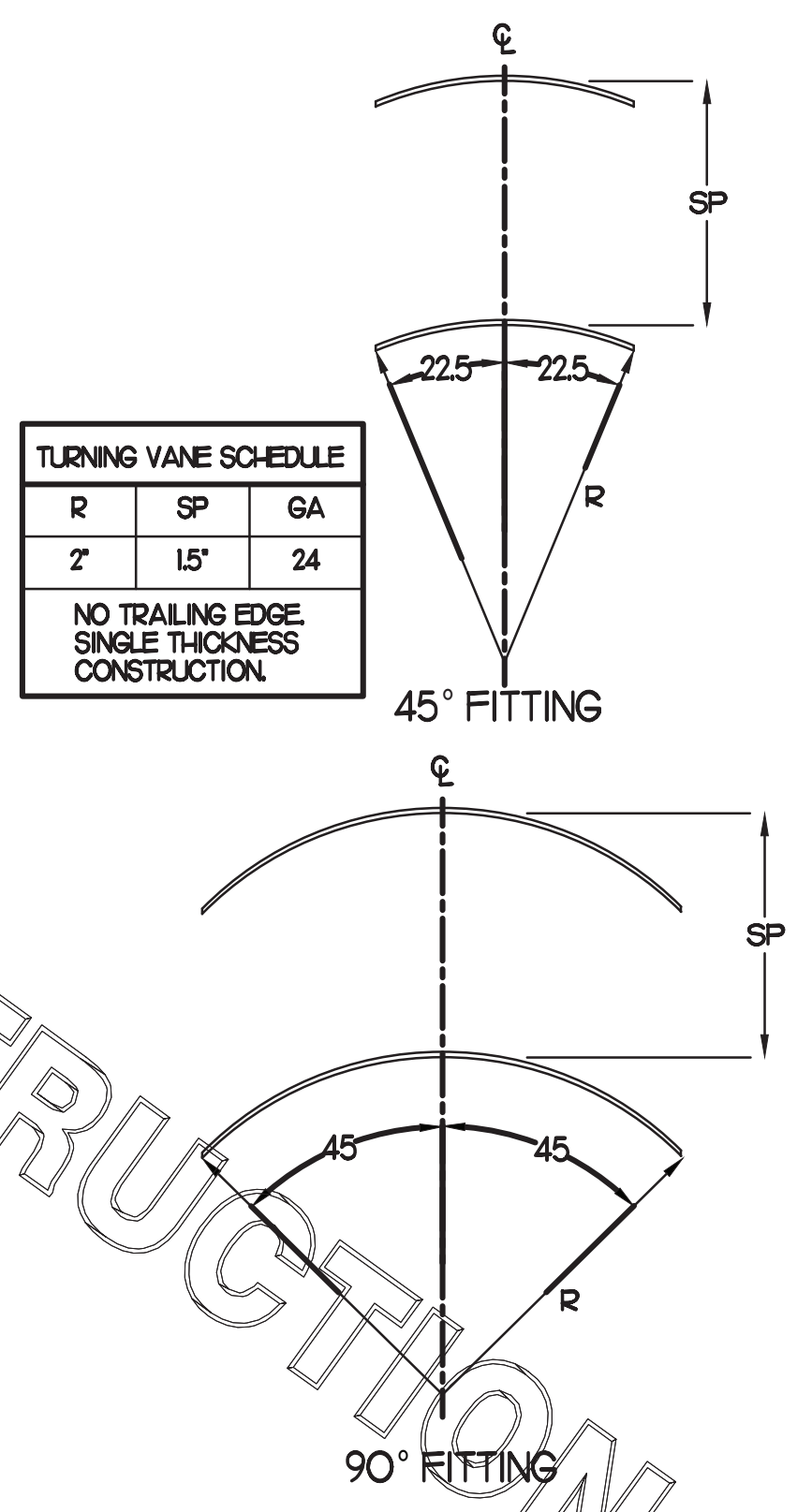
8 START COLLAR

NO SCALE



9 TURNING VANES

NO SCALE



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

△			
△			
△			

SEAL



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY. STE 4000
ALPHARETTA SPRINGS, GA 30201
407.645.5008

STORE
WAYCROSS
FSU #2053
S06E

2256 MEMORIAL DR
WAYCROSS, GA
31501

SHEET TITLE
MECHANICAL
DETAILS

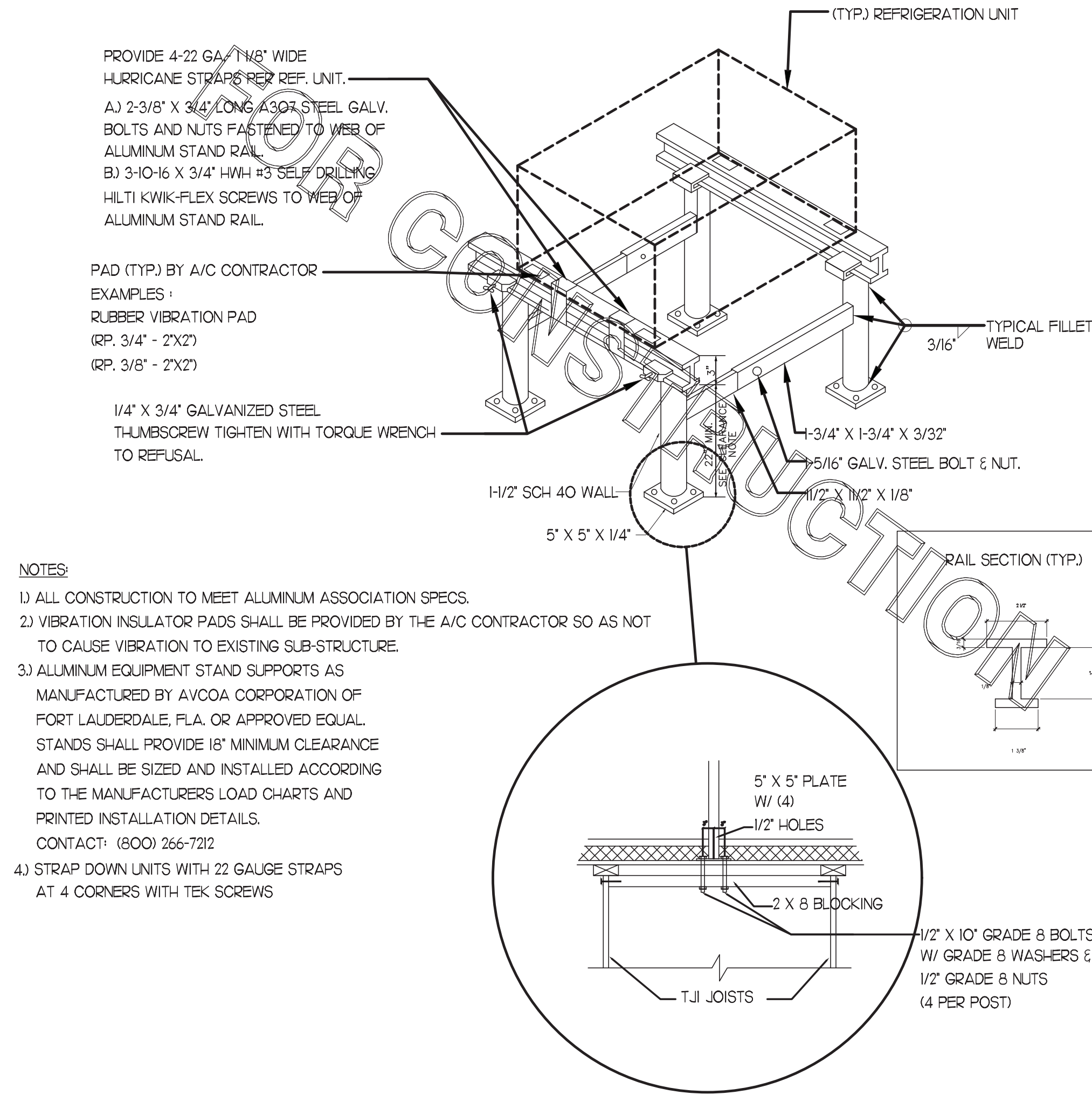
VERSION:
ISSUE DATE:

Job No. : 20.0856
Store : 2053
Date : 10.2021
Drawn By : CH
Checked By : DAK

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M4.I

CLEARANCE NOTE:

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



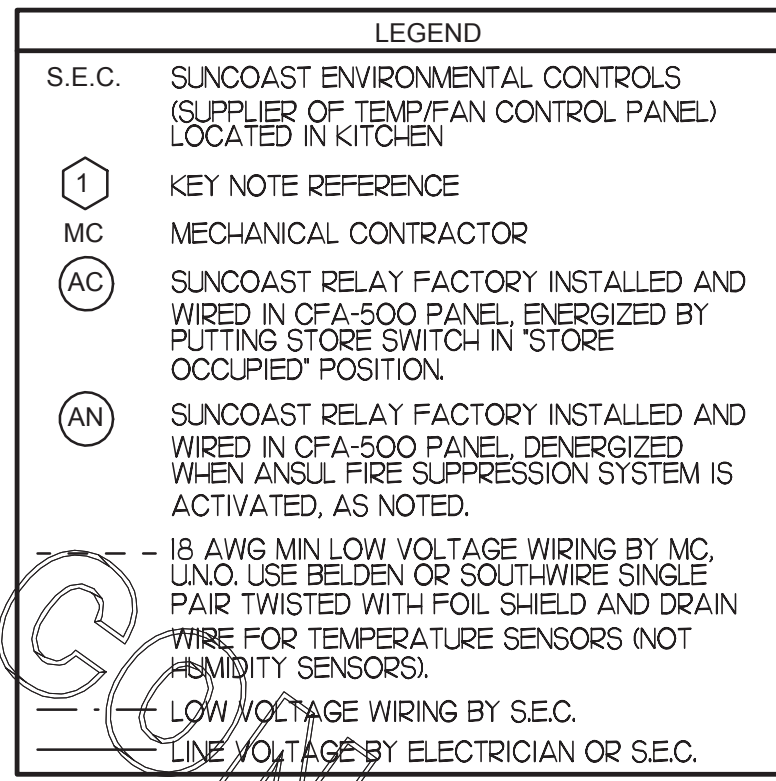
- NOTES:**
- 1) ALL CONSTRUCTION TO MEET ALUMINUM ASSOCIATION SPECS.
 - 2) VIBRATION INSULATOR PADS SHALL BE PROVIDED BY THE A/C CONTRACTOR SO AS NOT TO CAUSE VIBRATION TO EXISTING SUB-STRUCTURE.
 - 3) ALUMINUM EQUIPMENT STAND SUPPORTS AS MANUFACTURED BY AVCOA CORPORATION OF FORT LAUDERDALE, FLA. OR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

3 REFRIGERATION SYSTEM FRAMING SUPPORT DETAIL

NO SCALE

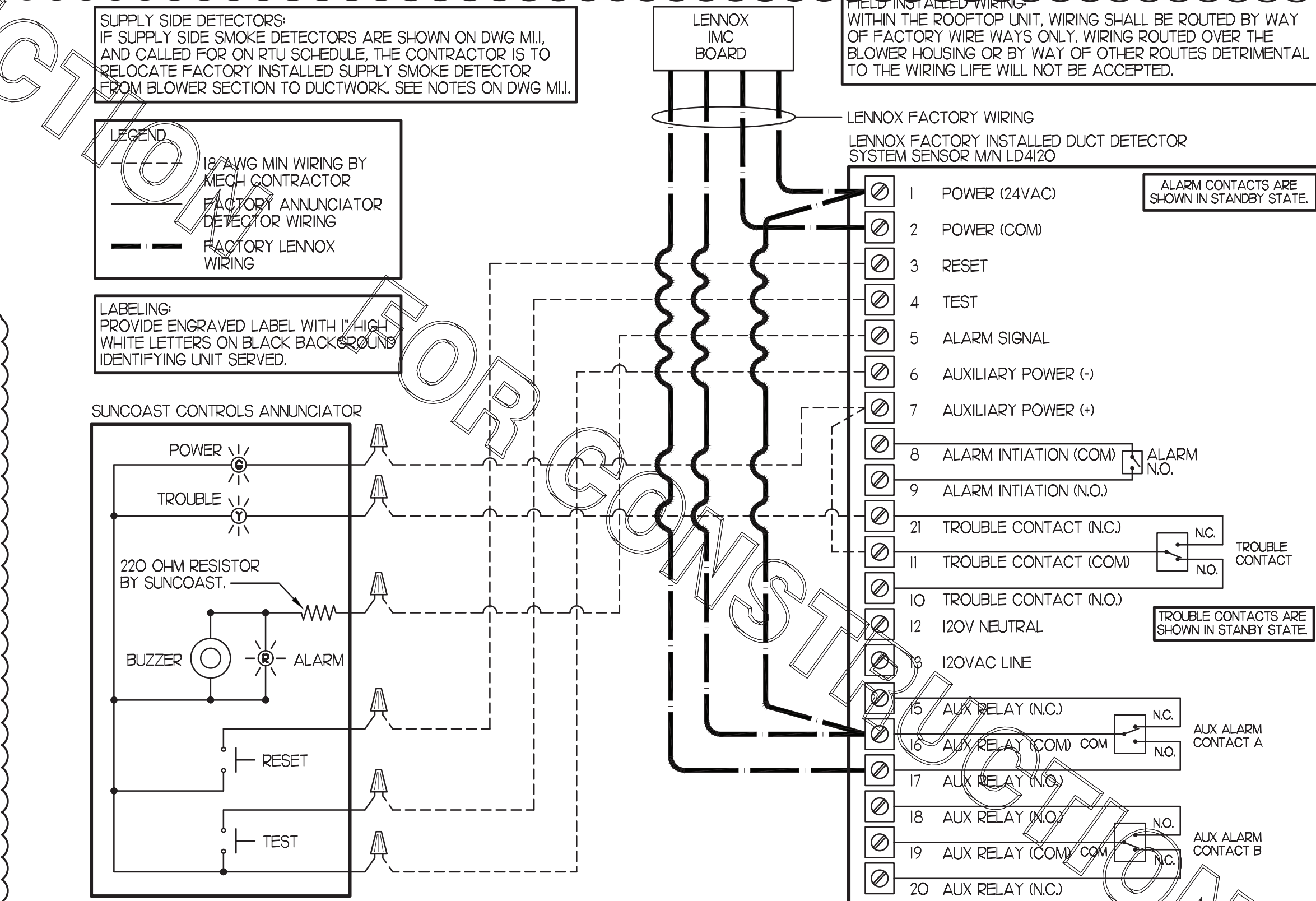
- NOTES:**
1. MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
 2. SEE DETAILS THIS SHEET FOR SMOKE DETECTOR AND ANNUNCIATOR WIRING.
 3. SET ALL THERMOSTATS FOR AUTO CHANGEOVER.
 4. PROVIDE PLASTIC ENGRAVED LABEL AT ALL NEW SENSORS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND. IE "ACH1 HUMIDITY SENSOR" OR "ACH2 TEMP SENSOR". PLACE LABELS ON WALL ADJACENT TO DEVICE, DO NOT APPLY DIRECTLY TO 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 WIRE AT TB-1, LEAVE OPEN AT SENSOR.
 - 3) NETWORK TSTAT REMOTE TEMP SENSOR PROVIDED BY SUNCOAST AND INSTALLED BY MC. SENSOR IS INTENDED TO BE SURFACE MOUNTED AND DOES NOT REQUIRE A SINGLE GANG BOX OR CONDUIT. FIELD CALIBRATE EACH SENSOR.



2 ROOFTOP UNIT CONTROL WIRING - LENNOX

NO SCALE



1 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM - LENNOX

NO SCALE

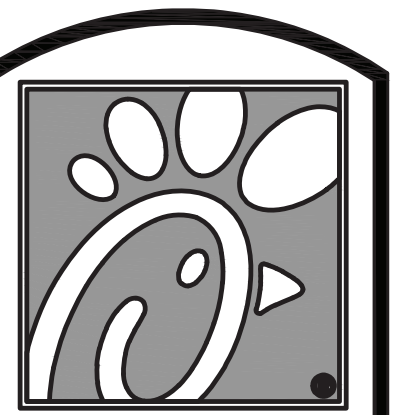
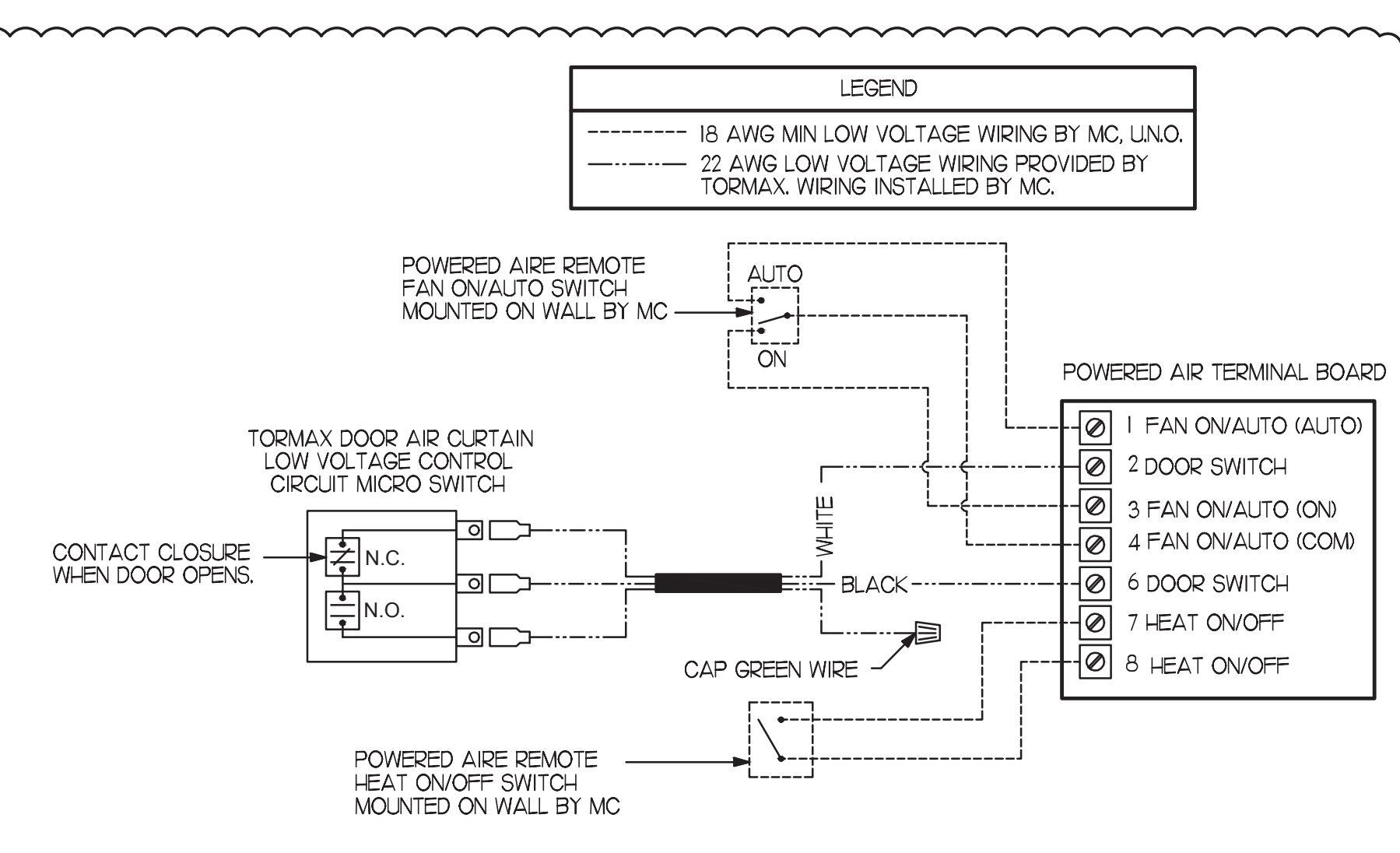
PROVIDE A PROFESSIONALLY LAMINATED COPY OF THESE DETAILS TO BE INSTALLED INSIDE THE ROOFTOP UNIT CONTROL CABINET. USE A SETON Q-ART FRAME STYLE # 68624. TELEPHONE NUMBER 800-243-6624. FOR MOUNTING THE DETAIL, ATTACH THE FRAME TO THE INTERIOR OF THE UNIT IN PLAIN AND EASY VIEW OF THE CONTROLS SECTION. CONTACT ENGINEER OF RECORD FOR A REPRODUCIBLE COPY OF THE DETAIL.

- LENNOX PRODIGY CONTROLLER SETTINGS:**
1. FOR ALL RTUS EXCEPT AT ACH1, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #65 TO ZERO (#58 ON LCH UNITS). THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON 'OCCUPIED' START. AT ACH1 (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 ACH1 (LCH TYPE) CHANGE THE VALUE TO 5400 SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 90 MINUTES AFTER 'OCCUPIED' START.
 2. AT HUMIDITROL RTUS, SET PRODIGY-M3 BOARD CONTROL PARAMETER #105 FOR DEHUMIDIFICATION OPERATION TO A VALUE OF 7.
 3. AT HUMIDITROL RTUS, SET PRODIGY-M3 BOARD CONTROL PARAMETER #106 FOR DEHUMIDIFICATION SET POINT TO A VALUE OF 60 (#07 RH).
 4. AT HUMIDITROL RTUS, SET PRODIGY-M3 BOARD CONTROL PARAMETER #107 FOR DEHUMIDIFICATION MODE DEAD BAND TO VALUE OF 2 (#2 RH).
 5. AT MSAV UNITS, SET THE MSAV LOW SPEED SETTING TO THE SAME VALUE AS THE HIGH SPEED SETTING AFTER TAB IS COMPLETE.

- LENNOX FRESH AIR HEATING SETUP WHEN SPECIFIED:**
1. INSTALL FRESH AIR TEMPERING KIT WIRING HARNESS AS RECOMMENDED BY LENNOX.
 2. LOCATE SUPPLY AIR TEMPERATURE SENSOR IN SUPPLY DUCT DOWNSTREAM OF FIRST ELBOW. SECURE WIRING TO DUCT OR STRUCTURE WITH RUBBER COATED CLAMPS. DO NOT RUN WIRING INSIDE DUCT WORK. PROTECT ALL WIRING PENETRATIONS WITH RUBBER GROMMETS.
 3. FOR PRODIGY 2.0: FIRST SET FRESH AIR HEATING ENABLE TO 'YES' THRU THE TAB/DAMPER MENU (LEAVE FRESH AIR COOLING AS 'NO'). NEXT, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #156 TO A VALUE OF 66. THIS WILL PREVENT THE SUPPLY AIR TEMPERATURE FROM DROPPING BELOW 66F DEG DURING HEATING MODE WHEN THERMOSTAT IS NOT ACTIVELY CALLING FOR HEAT.
 4. CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #157 TO A VALUE OF 14. THIS WILL MAKE THE DEADBAND VALUE EQUAL 14F.
 5. CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #158 TO A VALUE OF 300. THIS WILL MAKE THE CYCLE TIME VALUE EQUAL 3 MINUTES.

4 AIR CURTAIN WIRING DIAGRAM

NO SCALE



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
3	10/28/21 JR	PLAYGROUND
4	11/16/21 CH	RTU WIRING
		PROTO UPDATES

REMOVAL

SEAL



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA SPRINGS, GA 32001
407.645.5008

STORE
WAYCROSS
FSU #2053
S06E

2256 MEMORIAL DR
WAYCROSS, GA
31501

SHEET TITLE
MECHANICAL
DETAILS

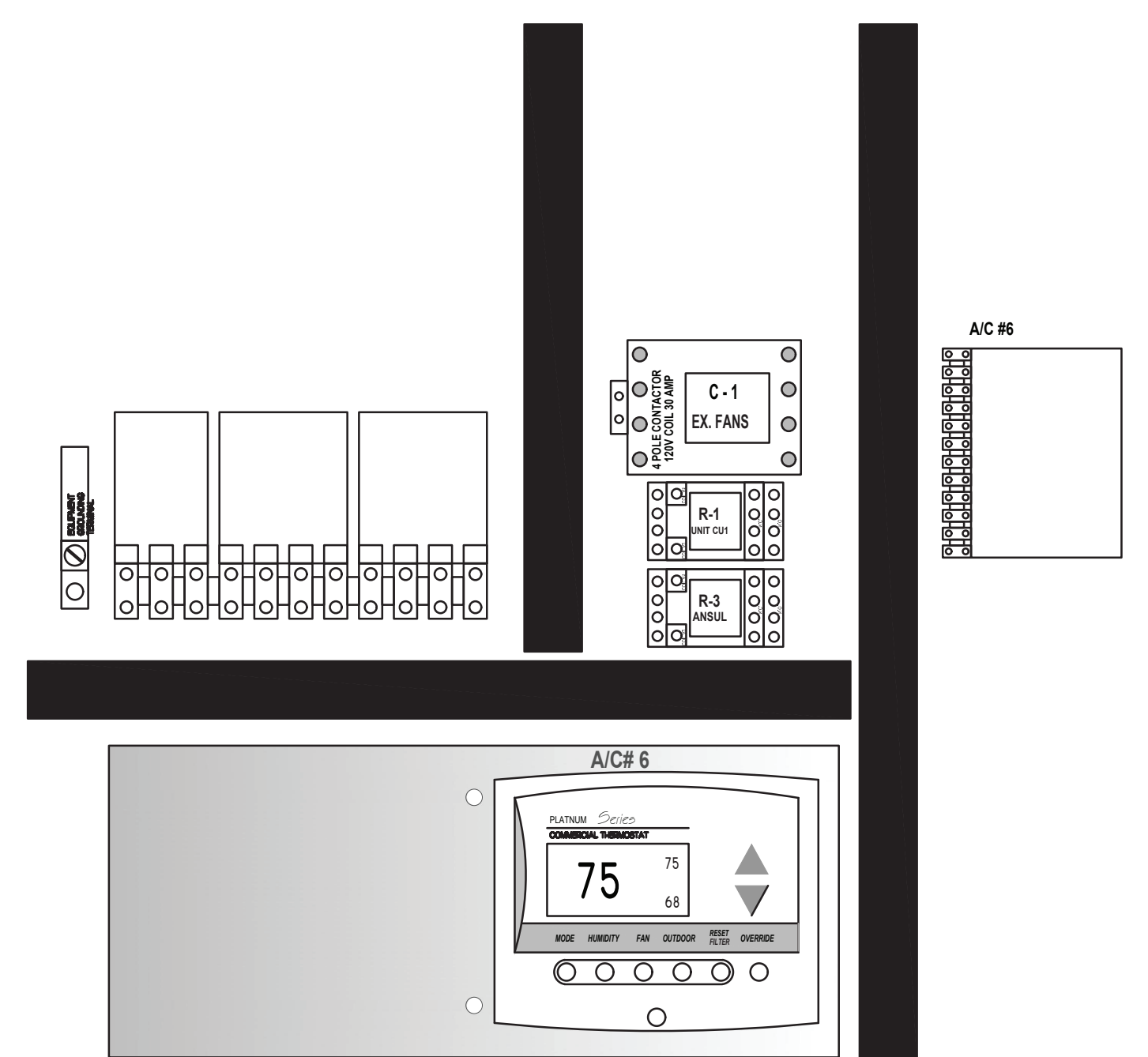
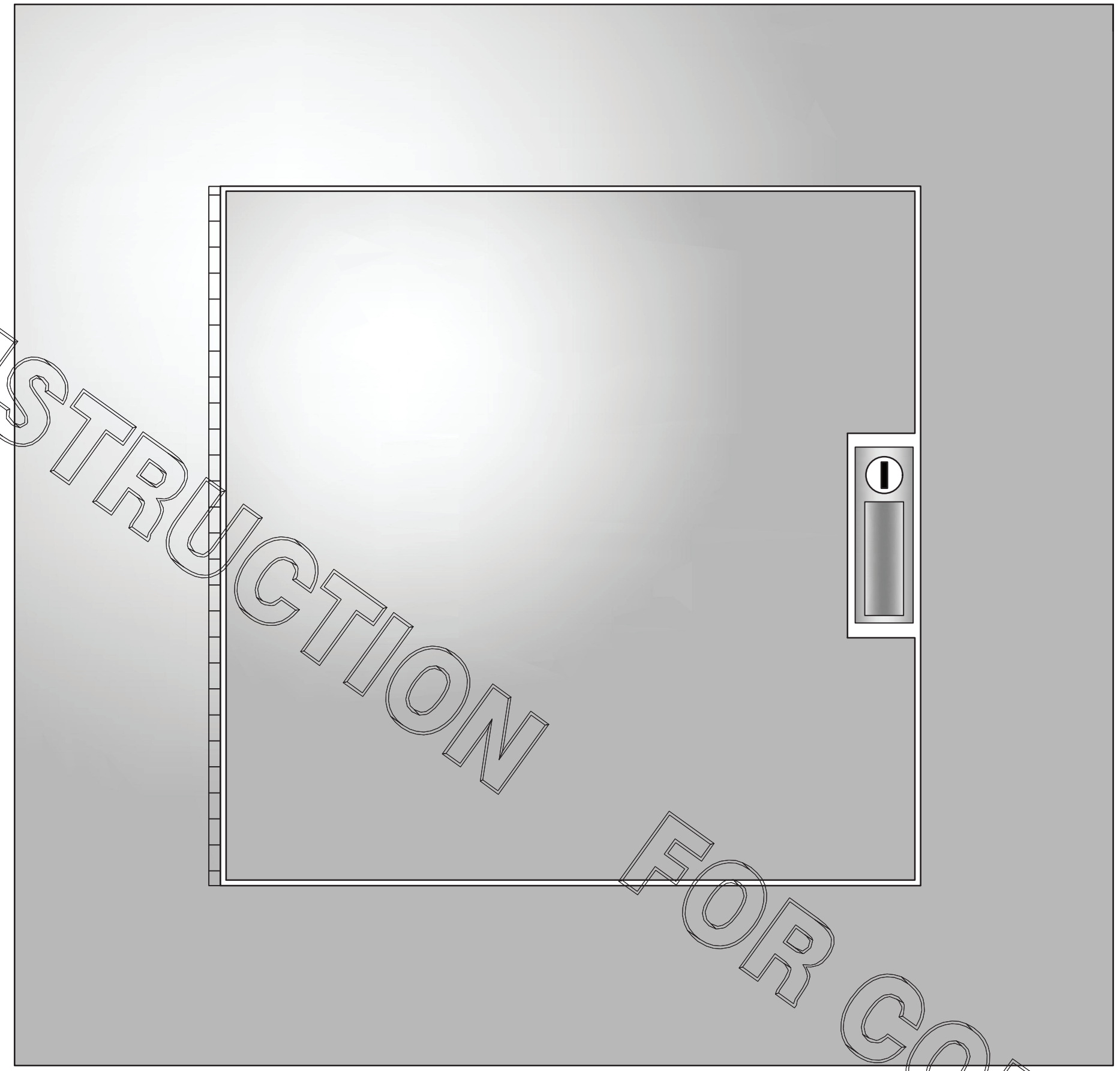
VERSION:
ISSUE DATE:

Job No. : 20.0856
Store : 2053
Date : 10.2021
Drawn By : CH
Checked By : DAK

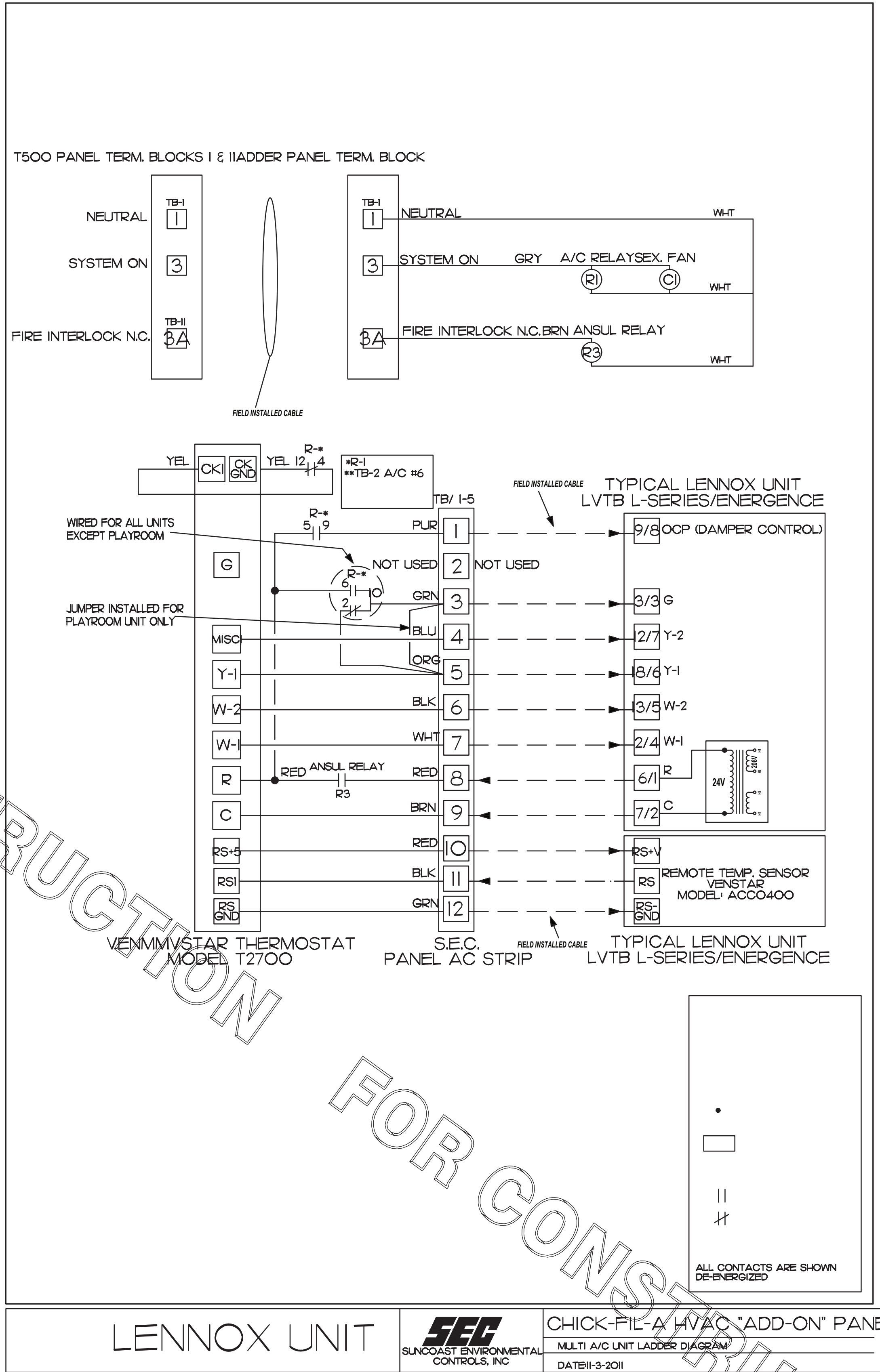
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M4.2

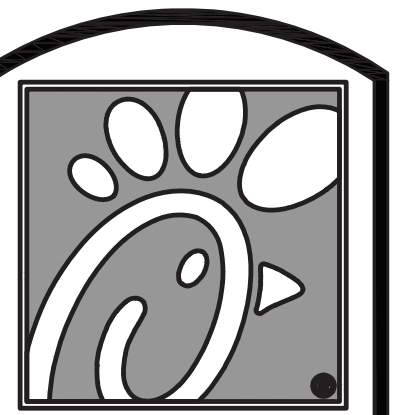
FOR CONSTRUCTION



I SUNCOAST PANEL
NONE



LENNOX UNIT
CHICK-FIL-A HVAC "ADD-ON" PANEL
MULTI A/C UNIT LADDER DIAGRAM
DATE: 11-3-2011



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		

SEAL



INTERPLAN
INTERPLAN LLC
AR0011595
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31501

SHEET TITLE
MECHANICAL
CONTROLS

VERSION:
ISSUE DATE:

Job No. : 20.0856
Store : 2053
Date : 10.2021
Drawn By : CH
Checked By: DAK

Sheet
M4.3

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

- 2.01 HEATING AND COOLING EQUIPMENT (C15730)
- A. FURNISH AND INSTALL R-410A ROOFTOP SINGLE PACKAGE COMBINATION ELECTRIC COOLING AND NATURAL GAS FIRED HEATING UNITS BY LENNOX AS SHOWN ON DRAWINGS. EQUIPMENT SHALL BE ARI CERTIFIED AND A.G.A. AND U.L. LISTED.
 - B. ACCESSORIES SHALL INCLUDE LOW AND HIGH PRESSURE SAFETIES, CRANK CASE HEATER, OVERCURRENT AND OVERTEMPERATURE SAFETY, COMPRESSOR VIBRATION ISOLATORS, FILTER DRIERS, REFRIGERANT SERVICE VALVES, COIL HAIL GUARDS WHERE SCHEDULED, CONVENIENCE OUTLETS FACTORY INSTALLED ON SCHEDULED UNITS, UNIT MOUNTED NON-FUSED DISCONNECTS, LOW AMBIENT OPERATION DOWN TO 30 DEGREES F AND EVAPORATOR FREEZE STAT.
 - C. COMPRESSORS SHALL BE FULLY HERMETIC SCROLL TYPE WITH INTERNAL VIBRATION ISOLATORS. COMPRESSORS SHALL BE PROVIDED WITH A MINIMUM FIVE (5) YEAR FULL WARRANTY.
 - D. THE UNIT HEAT EXCHANGERS SHALL BE STEEL WITH ALUMINIZED STEEL COATING. HEATING CONTROLS SHALL CONSIST OF REDUNDANT GAS VALVES, INTERMITTENT PILOT WITH ELECTRONIC SPARK OR HOT PLATE IGNITION SYSTEM. COMBUSTION/EXHAUST FAN PROTECTED BY CENTRIFUGAL SWITCHES, HEAT LIMIT SWITCHES, TIME-DELAY RELAY, FLAME, AND PILOT SENSORS. ALL UNITS SHALL BE CAPABLE OF TWO STAGES OF HEAT. HEAT EXCHANGES SHALL HAVE A TEN (10) YEAR WARRANTY. BURNERS SHALL BE ALUMINIZED IN-SHOT TYPE. THE DRAFT MOTOR SHALL BE MONITORED BY THE CONTROL SYSTEM.
 - E. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION. PRICING FOR THE EQUIPMENT HAS BEEN ESTABLISHED IN ADVANCE. CONTACT LENNOX NATIONAL ACCOUNTS AT 800-367-6285 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY.

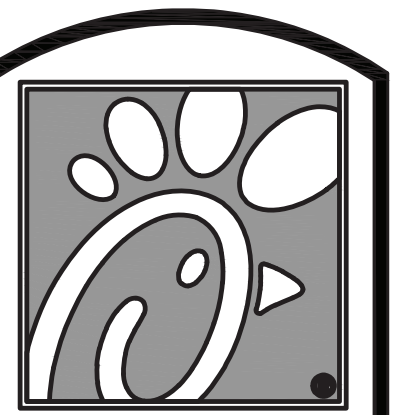
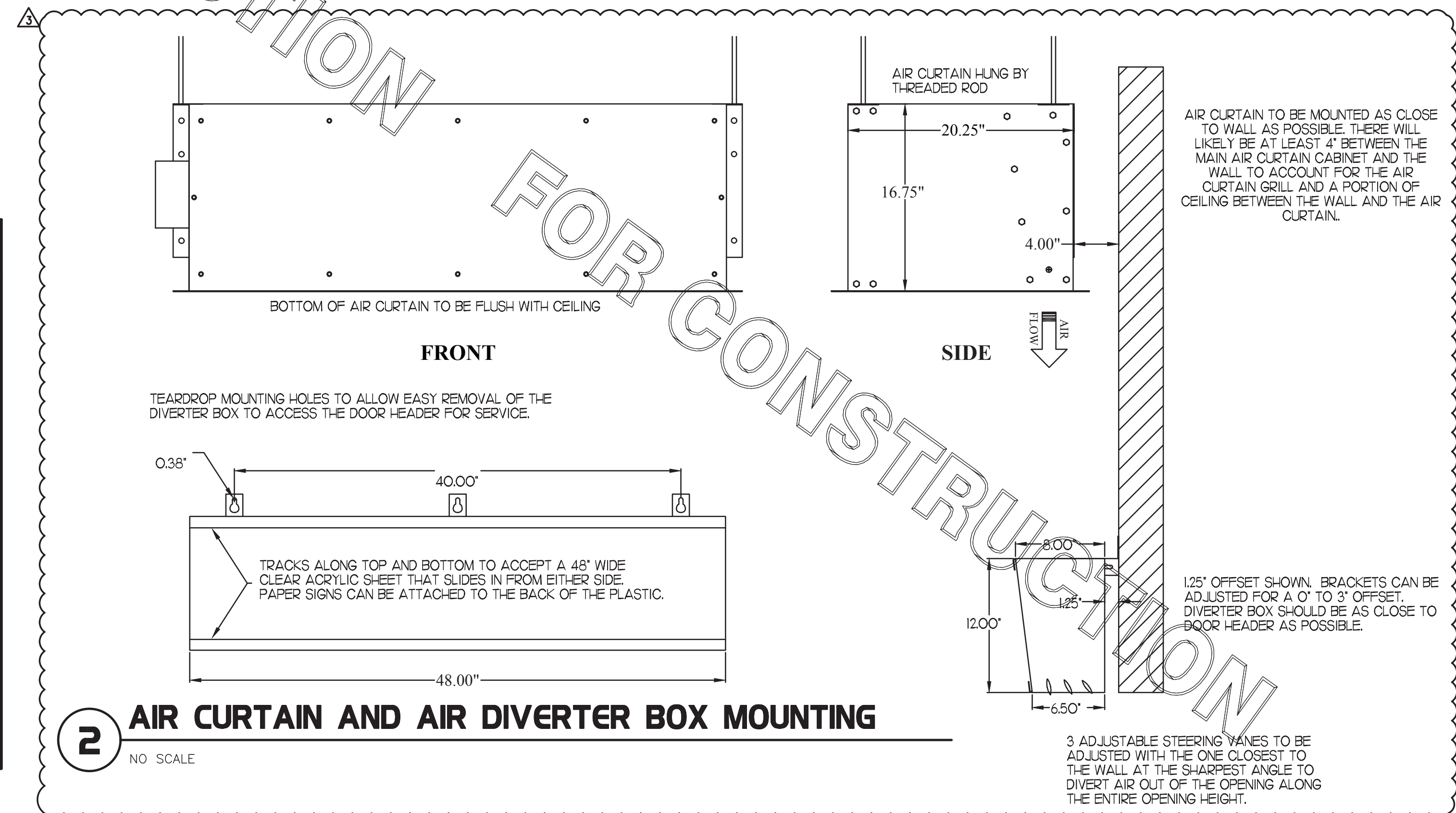
- 2.02 DUCTWORK (C15735) (SEE DWG M2.1 FOR ADDITIONAL GREASE DUCT SYSTEM REQ.)
- A. ACCEPTABLE MANUFACTURERS OF INSULATION ARE MANVILLE, OWENS CORNING OR KNAUF.
 - B. ALL DUCTWORK SHALL BE SHEET METAL, UNLESS NOTED OTHERWISE (U.N.O.).
 - C. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS, U.N.O.
 - D. CONSTRUCTION OF DUCTWORK SHALL MEET SMACNA 1" W.C. PRESSURE CLASS STANDARD AND RECOMMENDATIONS. SMACNA SHALL BE FOLLOWED WITH RESPECT TO GAGE THICKNESS, JOINTS, REINFORCING, CONSTRUCTION, INSTALLATION AND SUPPORT FOR PRESSURE CLASS STATED. ALL TRANSVERSE JOINTS IN RECTANGULAR AND ROUND DUCT INCLUDING DUCT CONNECTION TO AIR DEVICE COLLAR SHALL BE SEALED PER SMACNA SEAL CLASS C WITH U.L. DUCT MASTIC SEALANT APPROVED FOR INTENDED USE. DUCT TAPE IS NOT AN ACCEPTABLE SUBSTITUTE FOR MASTIC UNLESS EQUAL TO HARDCAST FOIL-GRIP 1402 BUTYL RUBBER ADHESIVE TAPE.
 - E. DUCT SHALL BE SUPPORTED AT BASE OF DUCT DROPS. CURB DUCT RAILS ARE NOT INTENDED TO AND SHALL NOT SUPPORT THE WEIGHT OF THE DUCT.
 - F. ALL DUCT INSULATION SHALL MEET MINIMUM R-VALUE REQUIRED BY ASHRAE 90.1 LATEST EDITION. ALL DUCT WRAP SHALL BE MINIMUM 2" THICK, 3/4 PCF AND 5.6 R-VALUE INSTALLED WITH EITHER A VAPOR BARRIER WITH MAXIMUM PERMEANCE 0.05 OR A MINIMUM 2 MIL ALUMINUM REINFORCED FOIL/KRAFT FACING.
 - G. ALL DUCT DROPS FROM THE ROOFTOP UNITS SHALL BE EXTERNALLY INSULATED.
 - H. SUPPLY AND RETURN AIR DUCTWORK SERVING ALL AREAS SHALL BE EXTERNALLY INSULATED.
 - I. ALL AIR CONVEYANCE COMPONENTS SUCH AS, BUT NOT LIMITED TO DUCT, DUCT PLENUMS, GRILLES/DIFFUSERS, BACK PANS, AND BOOTS SHALL BE INSULATED. INSULATION TYPE IS COVERED ELSEWHERE IN THIS SPECIFICATION.
 - J. RESTROOM RECTANGULAR EXHAUST AIR DUCTWORK SHALL BE LINED WITH 1" THICK, 1-1/2 PCF INSULATION.
 - K. TRUNK DUCTS SHALL BE ISOLATED FROM UNIT VIBRATION WITH THE USE OF NFPA AND U.L. APPROVED FLEXIBLE CONNECTORS INSTALLED AT THE TOP OF BOTH SUPPLY AND RETURN DROPS.
 - L. INSULATED FLEXIBLE DUCT MAY BE UTILIZED FOR RUNOUTS TO GRILLES AND DIFFUSERS ONLY IN THE HORIZONTAL POSITION AND IN MAXIMUM LENGTHS OF 4'-6", NO EXCEPTIONS. SEE TAKE-OFF DETAIL ON DRAWING M4.1.
 - M. CONSTRUCTION OF FLEXIBLE DUCTWORK SHALL INCLUDE SPIRAL METAL HELIX BONDED TO A POLYESTER CORE, FIBERGLASS INSULATION WITH POLYETHYLENE OR MYLAR VAPOR BARRIER. ALL COMPONENTS SHALL HAVE APPROPRIATE U.L. APPROVAL AND SHALL BE EQUIVALENT TO THERMAFLEX MKE.
 - N. FLEXIBLE DUCT SHALL BE INSTALLED PER THE "ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS, 4TH ED" USING FOIL TAPE AND DRAWBAND ON THE INNER CORE AND TAPE OR DRAWBAND ON THE OUTER JACKET.
 - O. DUCT TAPE SHALL BE EQUAL TO FASSON 181-B FX, 2-1/2" WIDE.
 - P. SINGLE THICKNESS TURNING VANES SHALL BE INSTALLED AT 90 DEGREE TURNS IN SUPPLY DUCTWORK WHERE ANY ONE DIMENSION IS GREATER THAN 12'.
 - Q. 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.
 - R. EXTERNAL INSULATION ON BOTTOM OF DUCTS 24" OR WIDER SHALL BE SUPPORTED WITH STICK PINS ON 18" CENTERS. STICK PIN WASHERS SHALL BE COVERED WITH DUCT TAPE OR MASTIC.

- 2.03 CONTROLS (C15735)
- A. SYSTEMS SHALL BE COMPLETE WITH CONNECTIONS TO CFA-500 TEMPERATURE CONTROL PANEL AS MANUFACTURED BY SUNCOAST ENVIRONMENTAL CONTROLS (S.E.C.) (PH: 877-544-6679). THE PANEL IS PROVIDED AND MOUNTED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING TERMINATIONS ARE BY THE MECHANICAL CONTRACTOR.
 - B. THE SMOKE DETECTORS SHALL BE FACTORY INSTALLED AND WIRED BY THE ROOFTOP UNIT MANUFACTURER.
 - C. A FACTORY INSTALLED SMOKE DETECTOR IN THE RETURN AIR SECTION OF EACH AIR CONDITIONING UNIT SHALL STOP THE INDOOR FAN AND CLOSE THE OUTSIDE AIR DAMPER IN THE EVENT OF EXCESSIVE TEMPERATURE OR SMOKE. SMOKE DETECTOR SHALL BE LOCATED PRIOR TO ANY EXHAUST FROM THE BUILDING OR MIXING WITH FRESH AIR MAKE-UP. UPON DETECTION, THE SYSTEM SHALL NOT RESTART UNTIL THE DEVICE IS MANUALLY RESET. DEVICES SHALL BE LOCATED WHERE THEY CAN BE EASILY ACCESSED AND WHERE CLEAR OF FILTERS.
 - D. CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH SUNCOAST ENVIRONMENTAL CONTROLS FOR THE SMOKE DETECTOR TEST/RESET ANNUNCIATOR STATIONS. THE TEST/RESET STATIONS WILL BE PURCHASED BY THE ELECTRICAL CONTRACTOR AS A PART OF A NATIONAL ACCOUNT PACKAGE AND TURNED OVER TO THE MECHANICAL CONTRACTOR FOR INSTALLATION.
 - E. THE REMOTE TEST/RESET ANNUNCIATORS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. INSTALLATION BY MECHANICAL SHALL INCLUDE MOUNTING OF THE ANNUNCIATORS AND ALL WIRING FROM EACH DEVICE TO THE RTU. ELECTRICAL WILL PROVIDE A JUNCTION BOX IN THE WALL WITH 1/2" CONDUIT STUBBED UP ABOVE THE CEILING FOR EACH REMOTE TEST STATION AS SHOWN ON THE ELECTRICAL PLANS. ANNUNCIATOR SHALL BE SUNCOAST CONTROLS REMOTE TEST/RESET STATION WITH POWER LED, TROUBLE LED, ALARM LED, 90DB HORN AND TEST/RESET BUTTON.
 - F. THE RESTROOM FAN SHALL BE INTERLOCKED TO THE LIGHTS SERVING THE MEN AND WOMEN'S RESTROOMS. THE HOOD FANS SHALL BE CONTROLLED VIA THE SUNCOAST CFA-500 CONTROL PANEL. WIRING, RELAYS AND SWITCHES FOR CONTROL OF ALL FANS ARE BY ELECTRICAL CONTRACTOR.
 - G. LENNOX UNITS - THERMOSTATS ARE PROVIDED AND INTEGRATED INTO THE TEMPERATURE CONTROL PANEL BY SUNCOAST ENVIRONMENT CONTROLS. SUNCOAST WILL PROVIDE A VENSTAR T2700 THERMOSTAT PRE-WIRED IN THE TEMPERATURE CONTROL PANEL. A REMOTE TEMPERATURE SENSOR FOR EACH THERMOSTAT IS ALSO PROVIDED. MECHANICAL CONTRACTOR SHALL INSTALL ALL WIRING BETWEEN THE THERMOSTAT, THE REMOTE SENSOR AND THE ROOFTOP UNIT.
 - H. MECHANICAL CONTRACTOR SHALL INSTALL CONTROL WIRING IN 1/2" CONDUIT WHERE REQUIRED BY CODE. WHERE NOT REQUIRED TO BE IN CONDUIT, ALL WIRING SHALL BE RUN PARALLEL TO STRUCTURAL MEMBERS OR PERPENDICULAR WITH NO DIAGONAL ROUTING. ALL WIRING SHALL BE SECURED TO THE FRAMING TO PREVENT SAGGING IN RUNS. WIRING TO ROOFTOP UNITS SHALL BE ROUTED THROUGH THE FACTORY THRU-BASE FITTING IN THE UNIT BASE. NO SPLICING OF WIRING WILL BE ACCEPTED. ALL WIRING ABOVE THE ROOF SHALL BE INSTALLED IN EXTERIOR GRADE FLEXIBLE CONDUIT. ALL CONTROL WIRING AND CONTROL WIRING CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF NEC. ALL LOW VOLTAGE CONTROL WIRING SHALL BE NO LESS THAN 18 AWG MIN. CONTROL WIRING CONDUCTORS SHALL BE SIZED TO ACCOUNT FOR LOAD AND LENGTH OF RUN TO ALLOW SUFFICIENT VOLTAGE AVAILABLE AT CONTROLLED DEVICE TO OPERATE THE SYSTEM RELIABLY.

PART III - EXECUTION

- 3.01 SCOPE
- A. FURNISH AND INSTALL SYSTEM IN ACCORDANCE WITH REFERENCED STANDARDS, APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS AND AS INDICATED ON DRAWINGS.
 - B. 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.	LENNOX EQUIPMENT - CONTACT LENNOX NATIONAL ACCOUNTS AT 800-367-6285 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY. LENNOX EQUIPMENT NOT PURCHASED THRU LENNOX NATIONAL ACCOUNTS WILL NOT BE ACCEPTED.
2.	LOREN COOK FAN AND CURB PACKAGE - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CURB PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
3.	PRICE AIR DEVICES - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
4.	AIR DOORS - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
5.	SUNCOAST ENVIRONMENTAL CONTROLS - THE CFA 500 PANEL AND THE TEST/RESET STATIONS WILL BE PURCHASED AND PROVIDED BY THE ELECTRICAL CONTRACTOR AS A PART OF A NATIONAL ACCOUNT PACKAGE. SEE PART II PARAGRAPH 3A, 3D, AND 3E OF THE MECHANICAL SPECIFICATIONS FOR MORE INFORMATION.
6.	HALTON HOODS - CHICK-FIL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 FOR MORE INFO.
7.	ROYAL METAL PRODUCTS START COLLARS - THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE START COLLARS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. START COLLARS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
3 10/28/21 JR
PLAYGROUND

REMOVAL



SEAL



INTERPLAN
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STORE
WAYCROSS
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SHEET TITLE
MECHANICAL
SPECIFICATIONS

VERSION:
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Job No. : 20.0856
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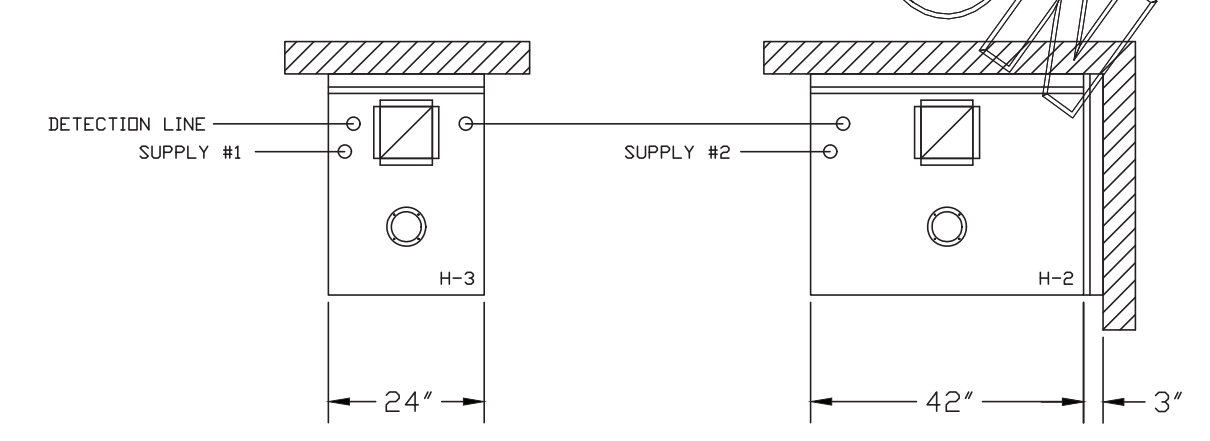
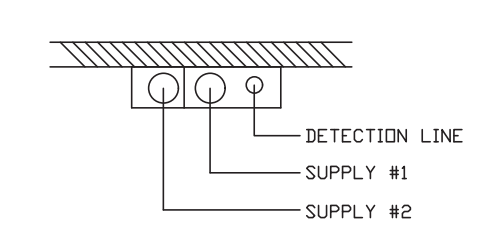
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M5.I

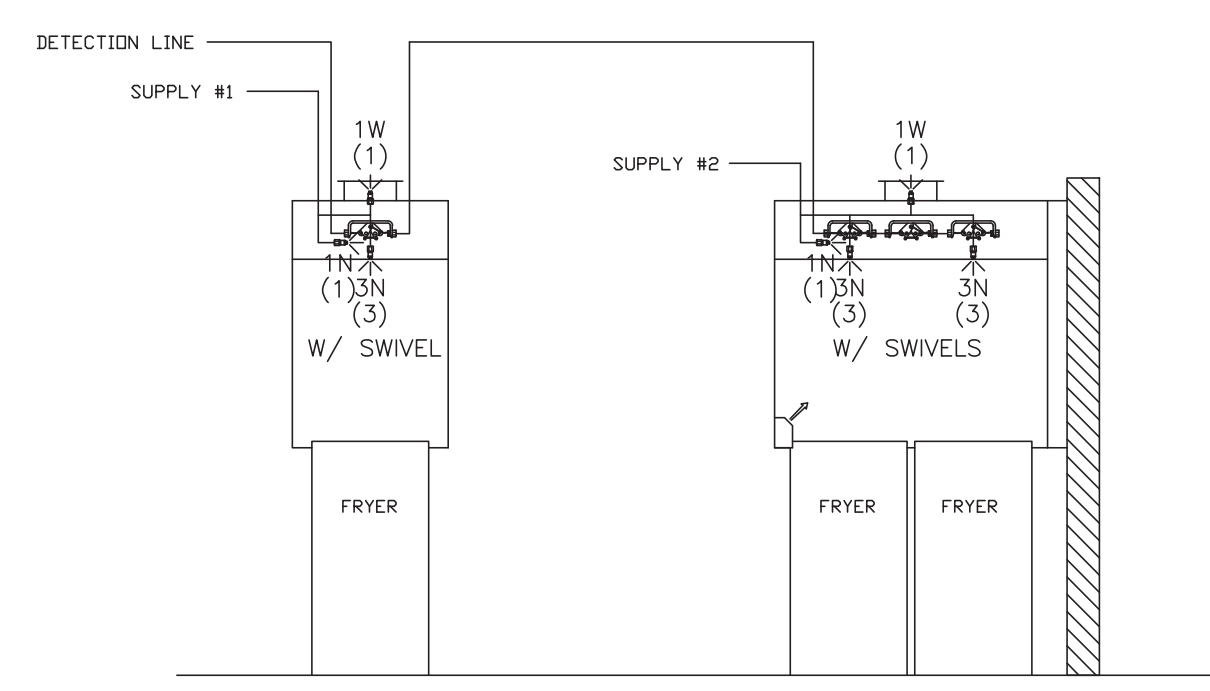
FOR CONSTRUCTION

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

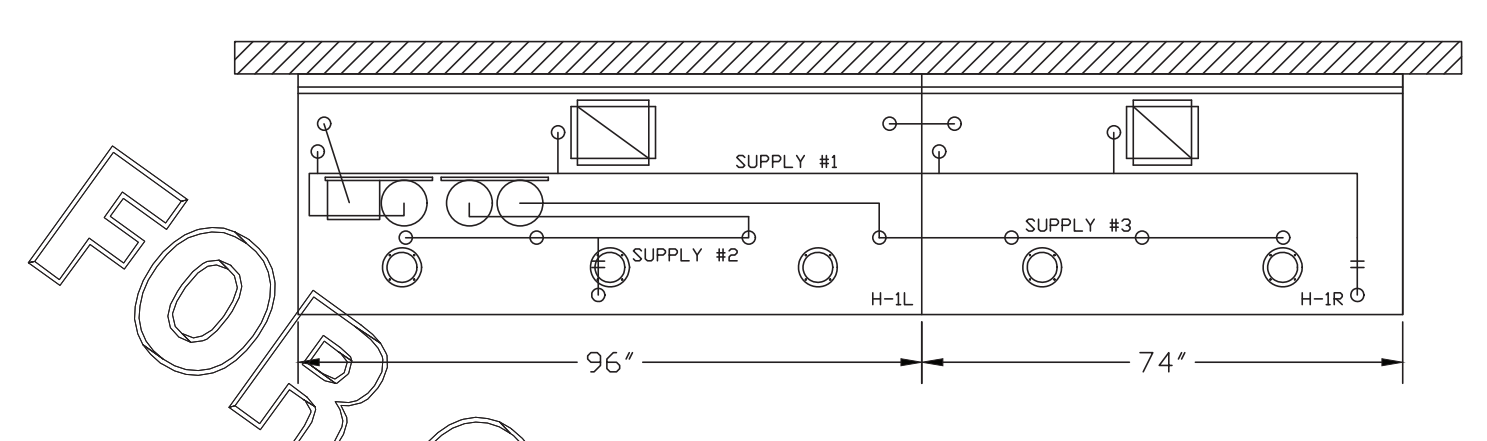


ANSUL R-102 FIRE SYSTEM
 (1) REGULATED RELEASE
 (2) EXTRA MICRO SWITCH ASSEMBLIES (MOUNTED IN REG. REL.)
 (3) SINGLE TANK ENCLOSURE
 (2) 3 GALLON TANK

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 DRDPS

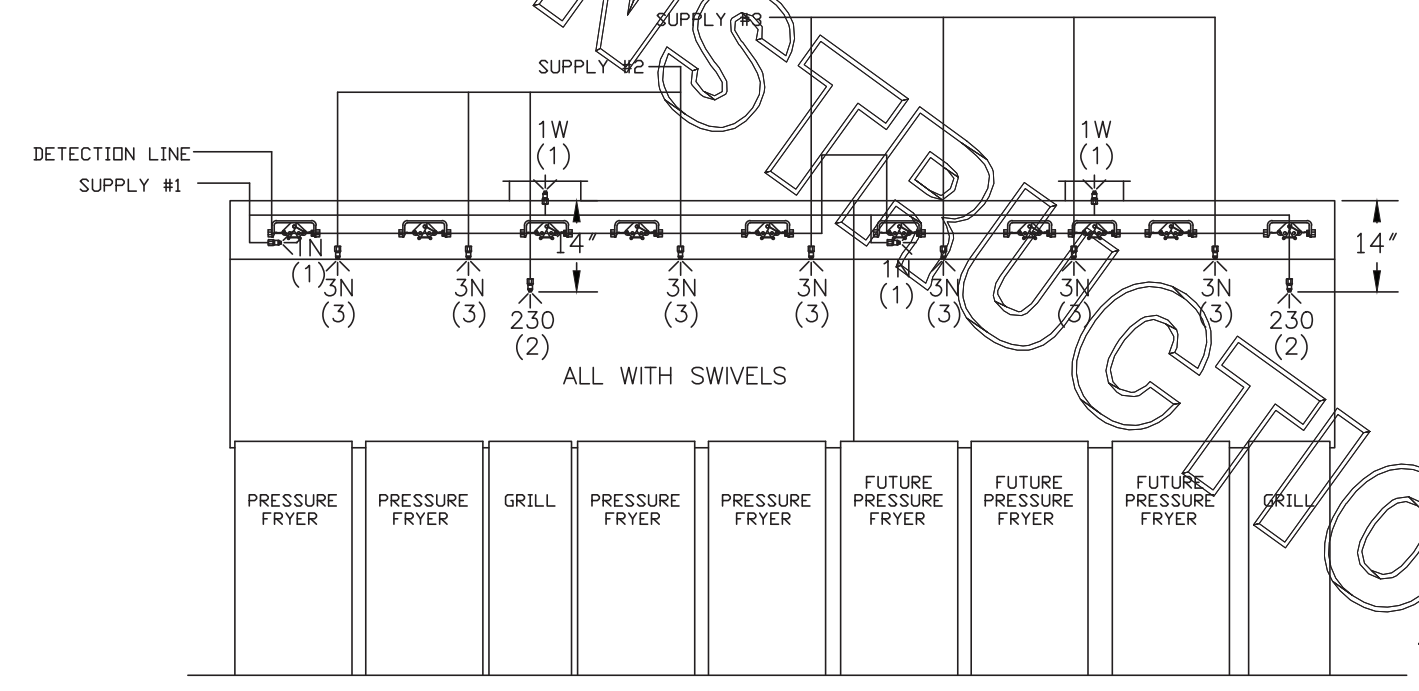


ANSUL R-102 FIRE SYSTEM LAYOUT



ANSUL R-102 FIRE SYSTEM
 (1) DEM REGULATED RELEASE
 (2) EXTRA MICRO SWITCH ASSEMBLIES (MOUNTED IN DEM 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 DRDPS



ANSUL R-102 FIRE SYSTEM LAYOUT

FUSIBLE LINK RATINGS

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

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

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

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

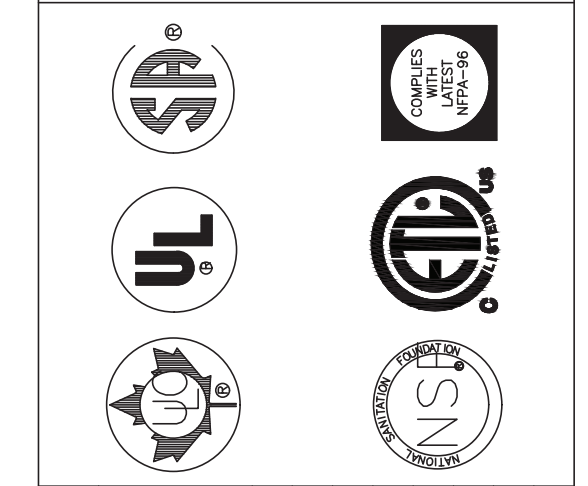
TOTAL FLOW POINTS - 42

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

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

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

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFYING THE FOLLOWING:
 1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
 2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.
 NOTE TO ADAPTER: THIS EQUIPMENT SUCH AS INCREASED ENERGY INPUT OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HAZARD MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.
 REVISE AND RESUBMIT
 APPROVED FOR FABRICATION
 WITH NO CHANGES
 WITH CHANGES AS NOTED
 APPROVED BY: _____ DATE: _____



MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

WEBSITE: WWW.HALTONCOMPANY.COM	HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSDALE, KY 42164 1-270-237-5600
HALTON CO. (CANADA) 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301	REVISION DESCRIPTION
REV.	DATE
1	
2	
3	
4	
5	
6	
7	

PROJECT: SWICK-FIL-A #2053
 WAYCROSS
 LOCATION: WAYCROSS, GA
 DRAWN BY: AF DATE: 10.04.21
 SCALE: NTS
 Halton Dwg: U21-674-02
Halton
 CARE FOR INDOOR AIR
 Sheet H 1.2

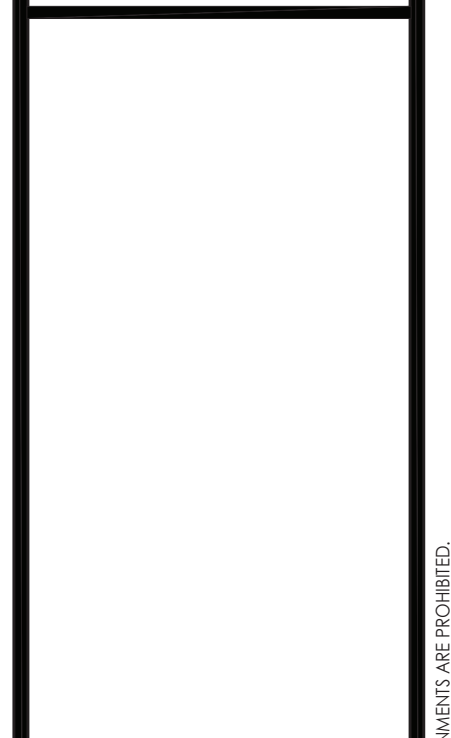


5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

Revisions:

Mark	Date	By
△		
△		
△		

SEAL FOR INFORMATION ONLY



STORE
 WAYCROSS
 FSU #2053
 S06E

2256 MEMORIAL DR
 WAYCROSS, GA
 31501

SHEET TITLE
 HOOD DETAILS

VERSION:
 ISSUE DATE: _____

Job No. : 20.0856
 Store : 2053
 Date : 10.2021
 Drawn By : CH
 Checked By : DAK

Sheet MHI.2