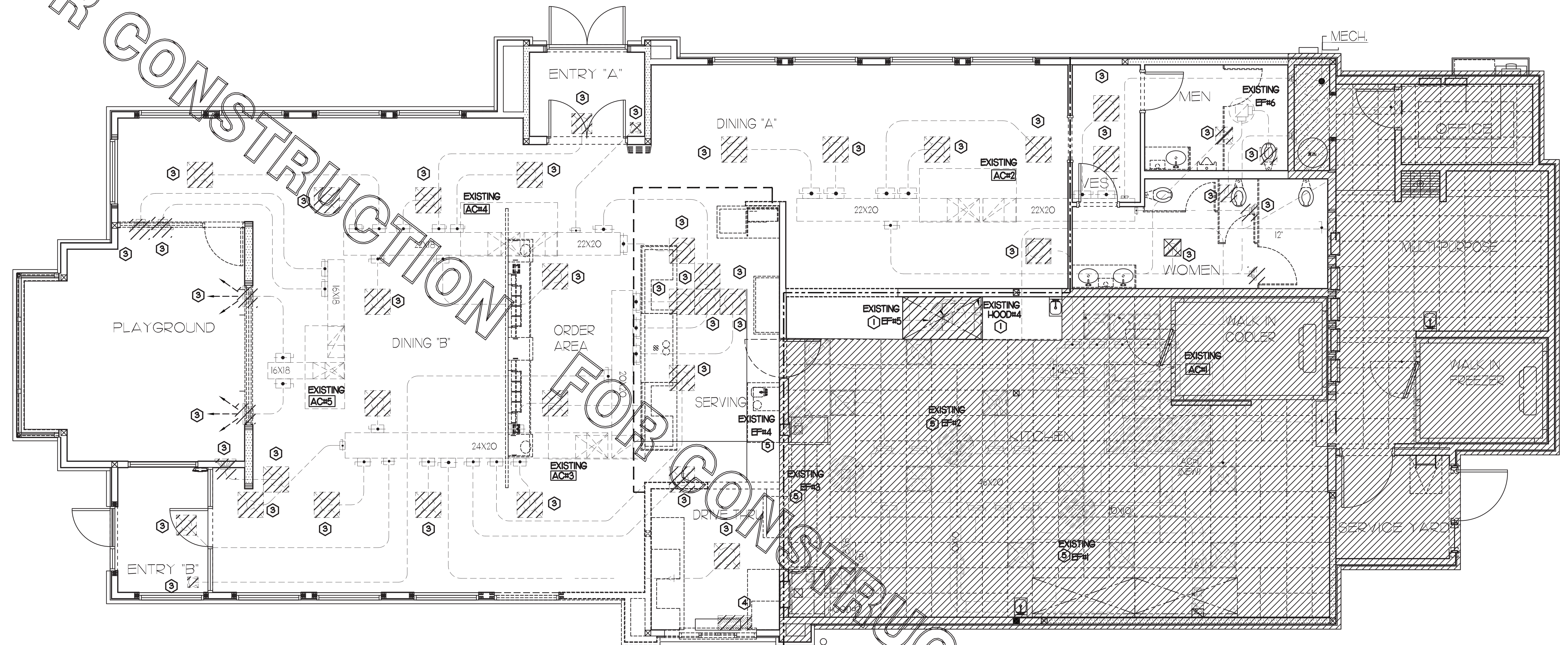


FOR CONSTRUCTION

FOR CONSTRUCTION

FOR CONSTRUCTION



**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.

**LEGEND**

A-12-400	TYPE - NECK SIZE - CFM	EF#H	EXHAUST FAN #I (TYP)
	SPIN-IN FITTING WITH MANUAL BALANCING DAMPER, WITHOUT SCOOP	ACH#I	AIR CONDITIONING UNIT #I (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		PULL STATION
	POINT OF DISCONNECTION		CONTROL PANEL
	POINT OF CONNECTION		SMOKE DETECTOR
	INDICATES 2-WAY DIFFUSER, INDICATES BLANKED OFF SIDE		

**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 UNIT(S) 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 M31 & M31 FOR FURTHER INFORMATION.
- EXISTING AIR CURTAIN TO BE REPLACED WITH NEW AD#1. REFER TO M31 AND M31
- DETACH AND DEMOLISH EXISTING AIR DEVICE SEE SHEET M31 FOR NEW AIR DEVICE LOCATIONS.
- EXISTING ELECTRIC COOLING/GAS HEATING ROOFTOP HVAC UNIT AND ASSOCIATED TEMPERATURE SENSOR TO REMAIN. REFER TO SHEET M31 FOR FURTHER INFORMATION.
- EXISTING EXHAUST FAN TO REMAIN

**FIELD VERIFY ALL CONDITIONS**

NOTE: AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION 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 COST 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.



Chick-fil-A

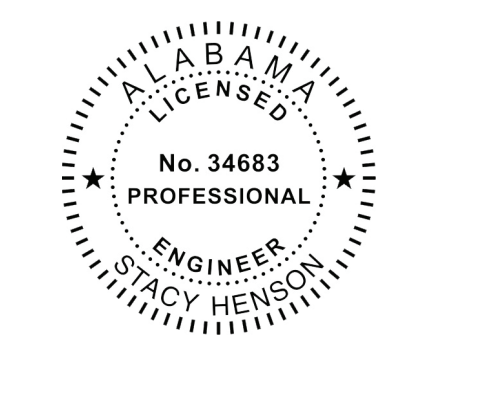
Chick-fil-A  
5200 Buffington Road  
Atlanta, Georgia  
30349-2998

**INTERPLAN**  
INTERPLAN LLC  
AR0011595  
CA 8660

ARCHITECTURE  
ENGINEERING  
PERMITTING

220 E. CENTRAL PKWY., STE. 4000  
ALPHAMONTE SPRINGS, FL 32701  
407.645.5008

SEAL:



**CHICK-FIL-A**  
**ALABASTER**  
125 Colonial  
Promenade Parkway  
Alabaster, AL 35007

**FSR#01794**

BUILDING TYPE / SIZE: S03-B-1C Reverse

RELEASE: 09.2021

PRINTED FOR: CONSTRUCTION

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 2021.0086

DATE 11.2021

DRAWN BY CH

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

SHEET

MECHANICAL DEMO PLAN

SHEET NUMBER

**M.I.O**

**HVAC KEY NOTES**

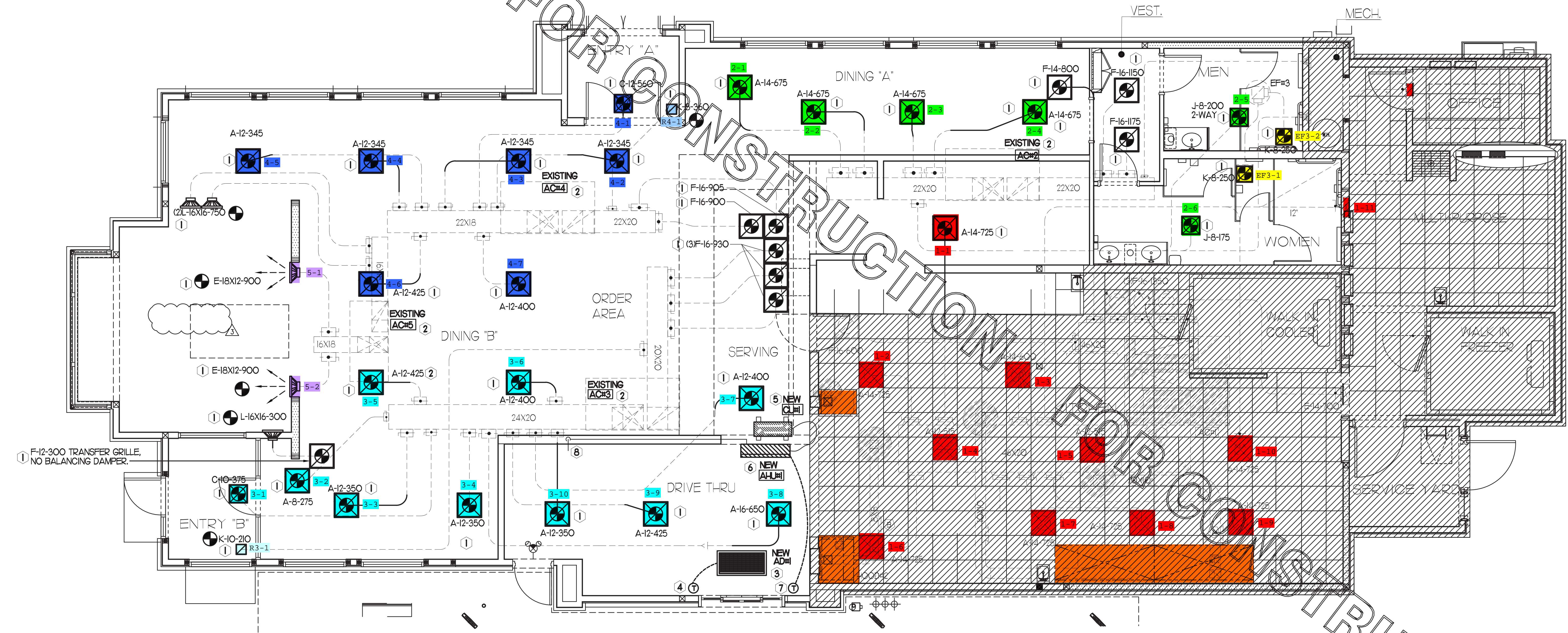
1. REPLACE EXISTING AIR DEVICE WITH NEW. CONNECT TO EXISTING DUCT SYSTEM. CONTRACTOR SHALL INSTALL NEW DUCT AS REQUIRED. ALL NEW ADDED DUCTWORK SHALL BE RIGID. USE OF FLEX DUCT IS LIMITED TO A MAXIMUM OF 4'-0" AROUND OBSTRUCTIONS. NO EXCEPTIONS (TYP). ALL INSTALL HARD 90'S DOWN TO SUPPLY AIR & RETURN AIR GRILLES. SEE TAKE-OFF DETAIL ON SHEETS M41 & SPECIFICATIONS ON M41 REBALANCE TO AIR QUANTITY AS SHOWN ON PLAN. PROVIDE WITH ACCESSIBLE MANUAL VOLUME DAMPER. WHERE DUCTWORK IS BEING REUSED, 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.
2. 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/INDUS 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 M51 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.
3. AIR CURTAIN, ADH MOUNTED IN CEILING GRID 4' OFF THE EXTERIOR WALL. MECHANICAL CONTRACTOR SHALL ADJUST AIR DEFLECTORS TOWARD BOTTOM OF TORMAX DOOR OPENING.
4. LOCATE AHJ TSTAT AT 5'-0" AFF. COORDINATE EXACT LOCATION WITH OTHER TRADES. ROUTE WIRING BACK TO AHJ AT WALL.
5. SET CONDENSING UNIT ON ROOF USING TWO CURBS. PLACE CURB EQUIPMENT CURBS. SECURE CONDENSING UNIT TO CURBS ARRANGED IN PARALLEL. SET LONG SIDE OF CURB PARALLEL TO ROOF SLOPE. FLASH INTO ROOF TO O.C. FINAL LOCATION TO BE DETERMINED IN THE FIELD. ALL MAINTENANCE CLEARANCE OF NEW AND EXISTING EQUIPMENT SHALL BE MAINTAINED.
6. 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 M51 FOR MORE INFORMATION.
7. LOCATE AHJ TSTAT AT 5'-0" AFF. COORDINATE EXACT LOCATION WITH OTHER TRADES. ROUTE WIRING BACK TO AHJ AT WALL.
8. 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 M43. 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 PLANS.
5. CONTRACTOR SHALL CLEAN & REFINISH ALL EXISTING DUCTWORK. PATCH & REPAIR OPENING AIR TIGHT OF EXISTING DUCTWORK AS REQUIRED (TYPICAL). 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 BATED 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.

**NOTES** 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).



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



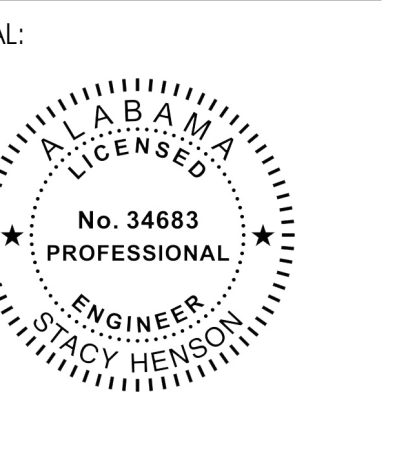
**Chick-fil-A**

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

**INTERPLAN**  
INTERPLAN LLC  
AR0011595  
CA 8660

ARCHITECTURE  
ENGINEERING  
PERMITTING

220 E. CENTRAL PKWY., STE. 4000  
ALABAMONTE SPRINGS, FL 32701  
407.645.5008



**CHICK-FIL-A**  
**ALABASTER**  
125 Colonial Promenade Parkway  
Alabaster, AL 35007

**FSR#01794**

BUILDING TYPE / SIZE: S03.8-1C Reverse  
RELEASE: 09.2021  
PRINTED FOR CONSTRUCTION

REVISION SCHEDULE	NO.	DATE	DESCRIPTION
	01	09/12/22	OWNER REVISIONS

CONSULTANT PROJECT # 2021.0086  
DATE 11.2021  
DRAWN BY CH  
Information contained on this drawing and in all digital files produced for above named project may not be reproduced or any manner without express written or verbal consent from authorized project representatives.  
SHEET  
**MECHANICAL FLOOR PLAN**  
SHEET NUMBER

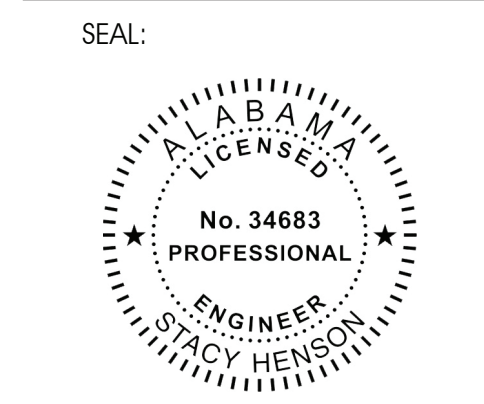
**MLI**



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

**INTERPLAN**  
 INTERPLAN LLC  
 A80011595  
 CA 8660  
 ARCHITECTURE  
 ENGINEERING  
 PERMITTING

220 E. CENTRAL PKWY, STE 4000  
 ALAMONTE SPRINGS, FL 32701  
 407.645.5008



**CHICK-FIL-A**  
**ALABASTER**  
 125 Colonial Promenade Parkway  
 Alabaster, AL 35007

**FSR#01794**

BUILDING TYPE / SIZE: S03.8-1C Reverse  
 RELEASE: 09.2021

PRINTED FOR: **CONSTRUCTION**

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
01	05/12/22	OWNER RELINQUISH

CONSULTANT PROJECT # 2021.0086  
 DATE 11.2021

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

SHEET: **MECHANICAL SCHEDULES**

SHEET NUMBER

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

maibr - 08/12/2022 5:25:35 PM

**EXHAUST FAN SCHEDULE**

MARK	CFM	ESP	RPM	TIP SPEED (FPM)	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
EXISTING EF-1	1085	-	-	-	-	NEW HOOD#R	-	-	7
EXISTING EF-2	1085	-	-	-	-	NEW HOOD#L	-	-	7
EXISTING EF-3	701	-	-	-	-	NEW HOOD#2	-	-	7
EXISTING EF-4	390	-	-	-	-	NEW HOOD#3	-	-	7
EXISTING EF-6	400	-	-	-	-	RESTROOMS	-	-	7

NOTES:  
 • GREASE EXHAUST FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL.  
 • GREASE EXHAUST FAN 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 404-351-0100 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARRON 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 800-913-7034.  
 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 AREA KITCHEN	SEE PLAN	24X24	LAY-IN	1/8
C	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	ENTRYS	14X14	20X20	BEVELLED	1,3,5,7
E	PRICE MODEL 22 DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE, FRONT BLADE PARALLEL TO LONG SIDE.	PLAYAREA	SEE PLAN	10X8	SURFACE	1
F	PRICE MODEL 80 EGGSULATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	DINING/OFFICE/ KITCHEN	SEE PLAN	24X24	SURFACE	1/8
H	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	OFFICE	12	24X24	LAY-IN	1,6,8
J	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10X10	16X16	BEVELLED	1,2,3,5,7
K	PRICE MODEL APDC ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOMS ENTRYS	14X14	17X17	SURFACE	1,4,5,7
L	PRICE MODEL 21 ALUMINUM SIDEWALL RETURN GRILLE, FRONT BLADE PARALLEL TO LONG SIDE.	PLAYAREA	12X2	14X14	SURFACE	1

NOTES:  
 • MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARRON COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0100 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 V035 NECK DAMPER.  
 3. SEE DRAWING M1 FOR THROW.  
 4. PROVIDE MODEL V027 NECK DAMPER ON GRILLES IN RESTROOMS.  
 5. PROVIDE BACKPAN MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.  
 6. PROVIDE V027 NECK DAMPER, ADJUSTABLE THRU DIFFUSER FACE.  
 7. FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 21M4-1.  
 8. FACTORY INSULATED R-6 BACKPAN.

**FLEX DUCT SIZE**

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

BASED ON WIRE HELIX FLEXIBLE DUCT-TYPE FLEX-MASTER  
 LISTING: U818 (ETL CLASS) AIR DUCT STANDARD CODE: NFPA 90A AND 90B, IBCA, SBCC, HUD/FA, MIN PROTECT 5/8" 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)-31/8 OA	+2000
NEW EF-1 KITCHEN HOOD #R	-1085
NEW EF-2 KITCHEN HOOD #L	-1085
NEW EF-3 KITCHEN HOOD #2	-701
NEW EF-4 KITCHEN HOOD #3	-390
<b>TOTAL</b>	<b>-561</b>

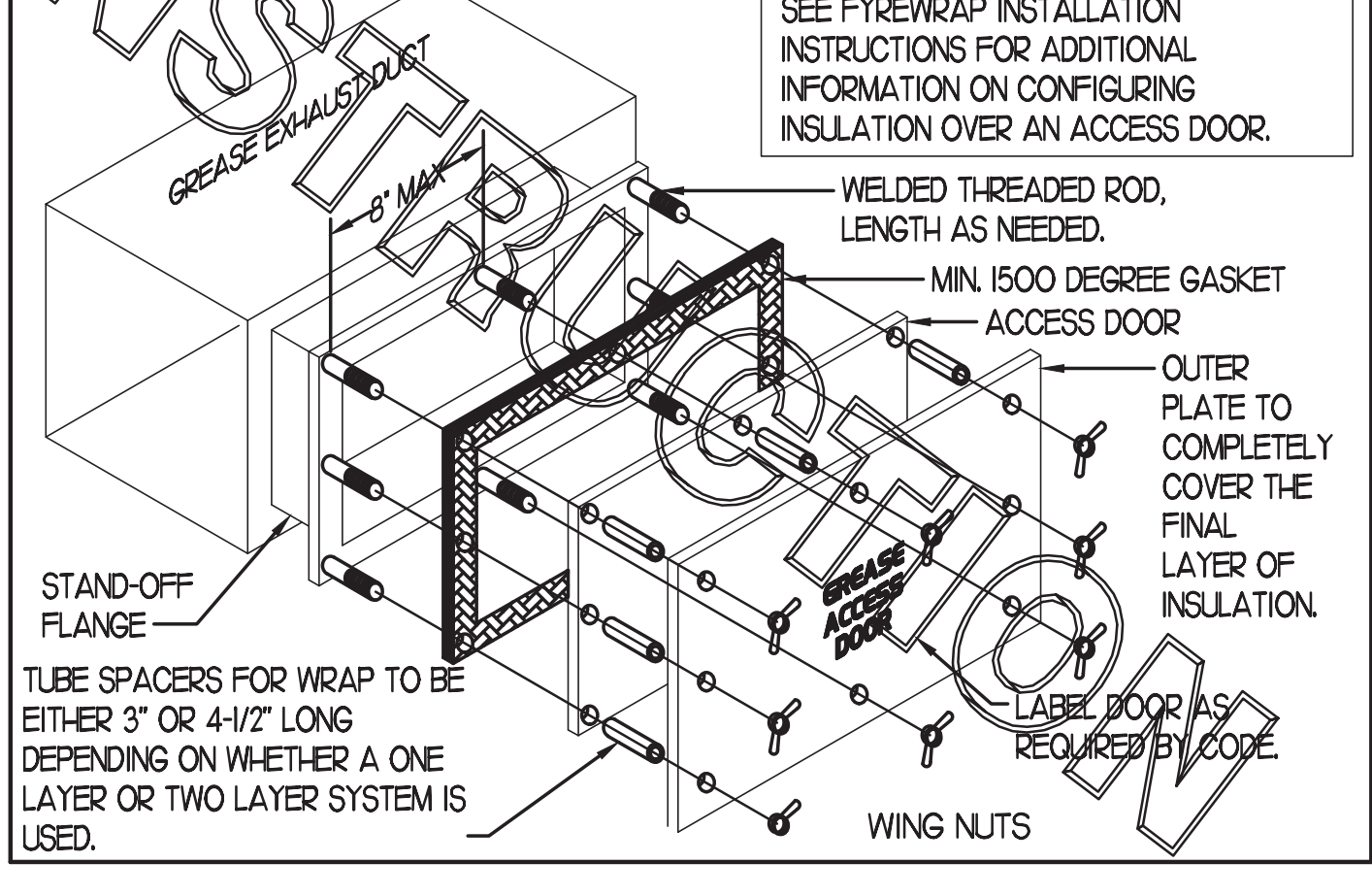
**DINING PRESSURIZATION**

EXISTING AC-2 OA (25 TON)-24/8 OA	+750
EXISTING AC-3 OA (8.5 TON)-25.0/8 OA	+1000
EXISTING AC-4 OA (7.5 TON)-22.0/8 OA	+600
EXISTING AC-5 OA (5 TON)-17.0/8 OA	+900
EXISTING EF-6 RESTROOM EXHAUST	-500
RETURN AIR FROM SIDE DINING BACK TO KITCHEN	-700
<b>BUILDING POSITIVE PRESSURE TOTAL</b>	<b>+1450</b>
<b>BUILDING POSITIVE PRESSURE</b>	<b>+889</b>

**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

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 IBC. 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) 382-7491.



**AIR DOOR SCHEDULE**

MARK	CFM	VELOCITY	HEATING CAP	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
ADH	1765	2670 FPM	10 KW	3/4	DRIVE THRU	CHA-I-48E	POWERED-AIRE	1,2,3,5

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 404-351-0100 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, REMOVE ALL SWITCHES FOR HEATING ON/OFF AND FAN ON/AUTO 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.

**GAS FIRED ROOFTOP UNIT SCHEDULE**

MARK	T/ONAGE	AREA SERVED	COOLING CAPACITY (MBH)		HEATING CAPACITY (MBH)		FAN SECTION (CFM)			EXISTING MANUFACTURER/ MODEL	NEW MANUFACTURER/ MODEL	AIR RATINGS	PERCENTAGE OF OUTDOOR AIR	ELECTRICAL DATA			REMARKS	APPROX. NET WEIGHT INCLUDING OPTIONS
			TOTAL	SENS	INPUT	OUTPUT	STAGES	SUPPLY	O.A.					I.P.	ESP	VOLTPHASE		
EXISTING AC1	50	KITCHEN	-	-	-	-	8,000	2,000	-	-	-	-	31.0%	-	-	-	17	-
EXISTING AC2	85	DINING A	-	-	-	-	3,850	750	-	-	-	-	24.0%	-	-	-	17	-
EXISTING AC3	125	DINING B	-	-	-	-	4,000	1,000	-	-	-	-	25.0%	-	-	-	17	-
EXISTING AC4	75	N. DINING B	-	-	-	-	2,765	600	-	-	-	-	31.0%	-	-	-	17	-
EXISTING AC5	5	DINING B	-	-	-	-	1,600	300	-	-	-	-	17.0%	-	-	-	17	-

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

- PROVIDE DIFFERENTIAL ENTHALPY THERMOSTATS WITH POWER EXHAUST.
  - PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
  - PROVIDE NEW 14" HIGH ROOF CURB.
  - SEE DETAIL M42 FOR SETTING OF PRODUCE MFR AND MFR MFR BOARD CONNECTIONS TO PARAMETERS BY MC.
  - PROVIDE FACTORY INSTALLED AND UNIT POWERED 15V GFI SERVICE OUTLET.
  - PROVIDE FACTORY INSTALLED 15V GFI SERVICE OUTLET.
  - PROVIDE FACTORY INSTALLED RETURN AND SUPPLY SIDE SMOKE DETECTOR.
  - PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
  - PROVIDE 2" MERV 8 THROW AWAY FILTERS.
  - PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
  - ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL AS RECOMMENDED BY MANUFACTURER.
  - PROVIDE FACTORY COOL HAIL GUARD, FIELD INSTALLED.
  - PROVIDE UNIT WITH MSAV BLOWER.
  - PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR (STATES OF CA AND AZ EXCLUDED).
  - PROVIDE FACTORY INSTALLED BELT TENSIONER.
  - REPLACE EXISTING LENOX ROOFTOP UNIT WITH NEW SAME SIZE WITH THE SAME MANUFACTURER LENOX PLACES ON SAME LOCATION ON EXISTING CURB.
  - 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.

**OUTDOOR AIR CALCULATION**

ROOM NUMBER & NAME	AREA SQ. FT.	NO. OF PEOPLE	REQD OA PER PERSON	REQD OA CEMSQ. FT.	TOTAL OSA	REQD EXHAUST AIR PER FIXTURE	REQD OSA AC-1	REQD OSA AC-2	REQD OSA AC-3	REQD OSA AC-4	REQD OSA AC-5	
KITCHEN	1066	8	7.50	0.18	251.9		251.9					
RR VESTIBULE	55	0	5.00	0.06	3.3					3.3		
MENS RR	93	0	0.00	0.00	0.0	50/70						
WOMENS RR	161	0	0.00	0.00	0.0	50/70						
DINING A	283	16	7.50	0.18	170.9					170.9		
DRIVE THRU	282	2	7.50	0.18	65.8					65.8		
SERVING AREA	284	4	7.50	0.18	81.1					81.1		
WAITING AREA	262	0	5.00	0.06	15.7					15.7		
S. DINING B	423	26	7.50	0.18	286.1					286.1		
ENTRY B	70	0	5.00	0.06	4.2					4.20		
N. DINING B	423	46	7.50	0.18	421.1					421.1		
ENTRY 'A'	70	0	5.00	0.06	4.2					4.20		
DINING B	290	12	7.50	0.18	142.2						142.20	
<b>TOTALS</b>							100/140	251.90	174.20	448.70	425.30	142.20
								2000	750	1000	600	300

OUTSIDE AIR BASED ON THE 2018 INTERNATIONAL MECHANICAL CODE.

**DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE**

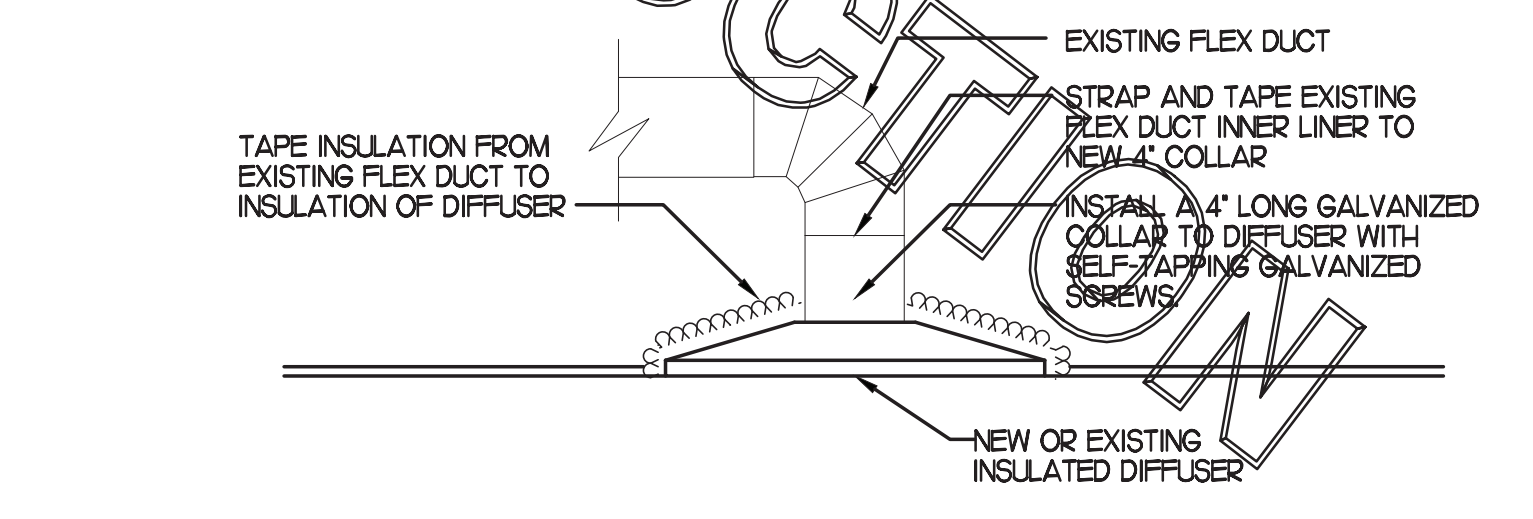
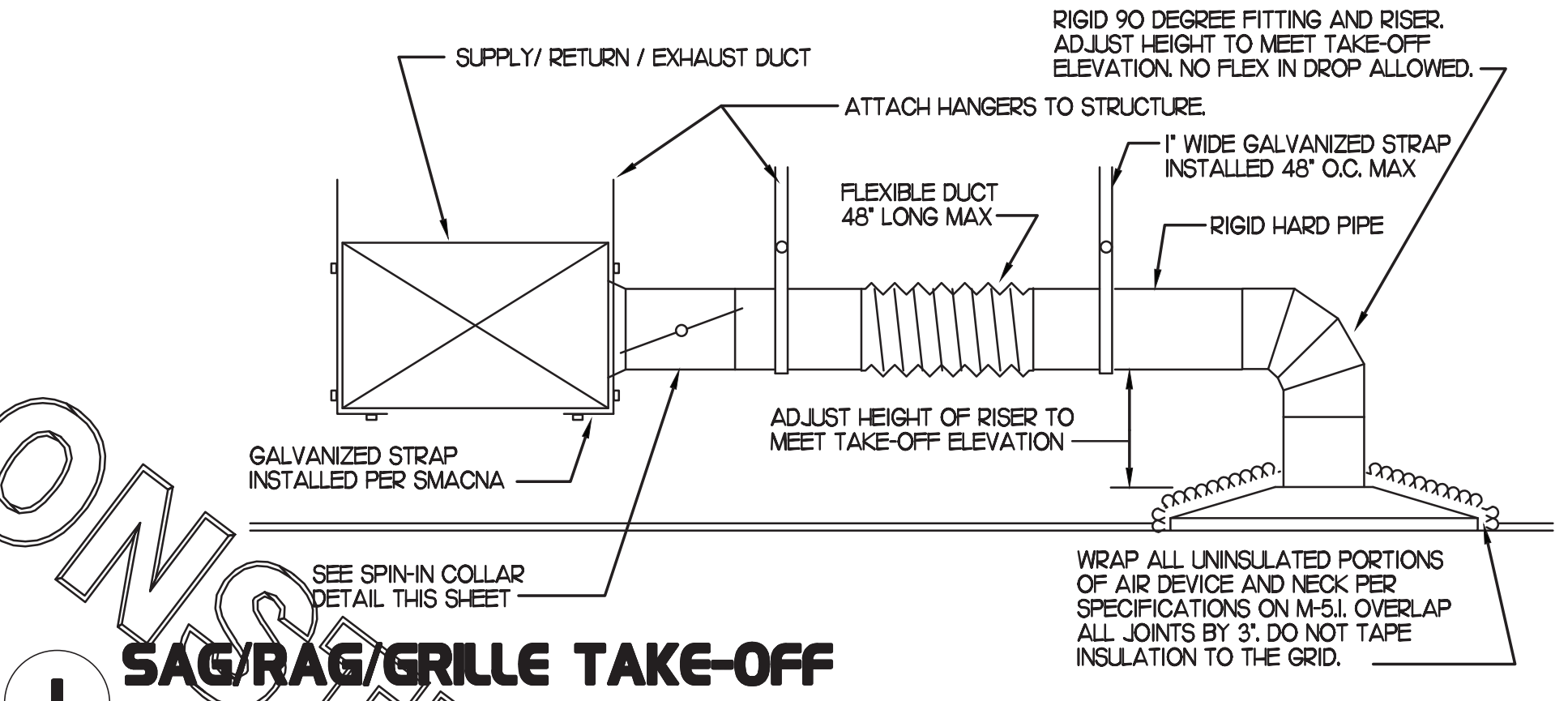
MARK	COOLING CAPACITY (MBH)		EFFICIENCIES		FAN SECTION (CFM)	ELECTRICAL DATA			R-410A MODEL		MFR	WEIGHT	
	MIN.	MAX.	SEER	SUPPLY		CIRCUIT AMPACITY	MOCP	VOLTAGE	AHJ	CJ		AHJ	CJ
AHJ/CJH (NEW)	116	36.0	16.2	705-920	28	40	208/1/60	PKA-A36KA7	PLZ-HA36NHA5	MITSUBISHI	46 LBS	265 LBS	

NOTES:  
 • MECHANICAL CONTRACTOR SHALL PURCHASE THE SPLIT SYSTEM HEAT PUMP DIRECTLY FROM TOM BARRON COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0100 FOR PRICING AND AVAILABILITY.

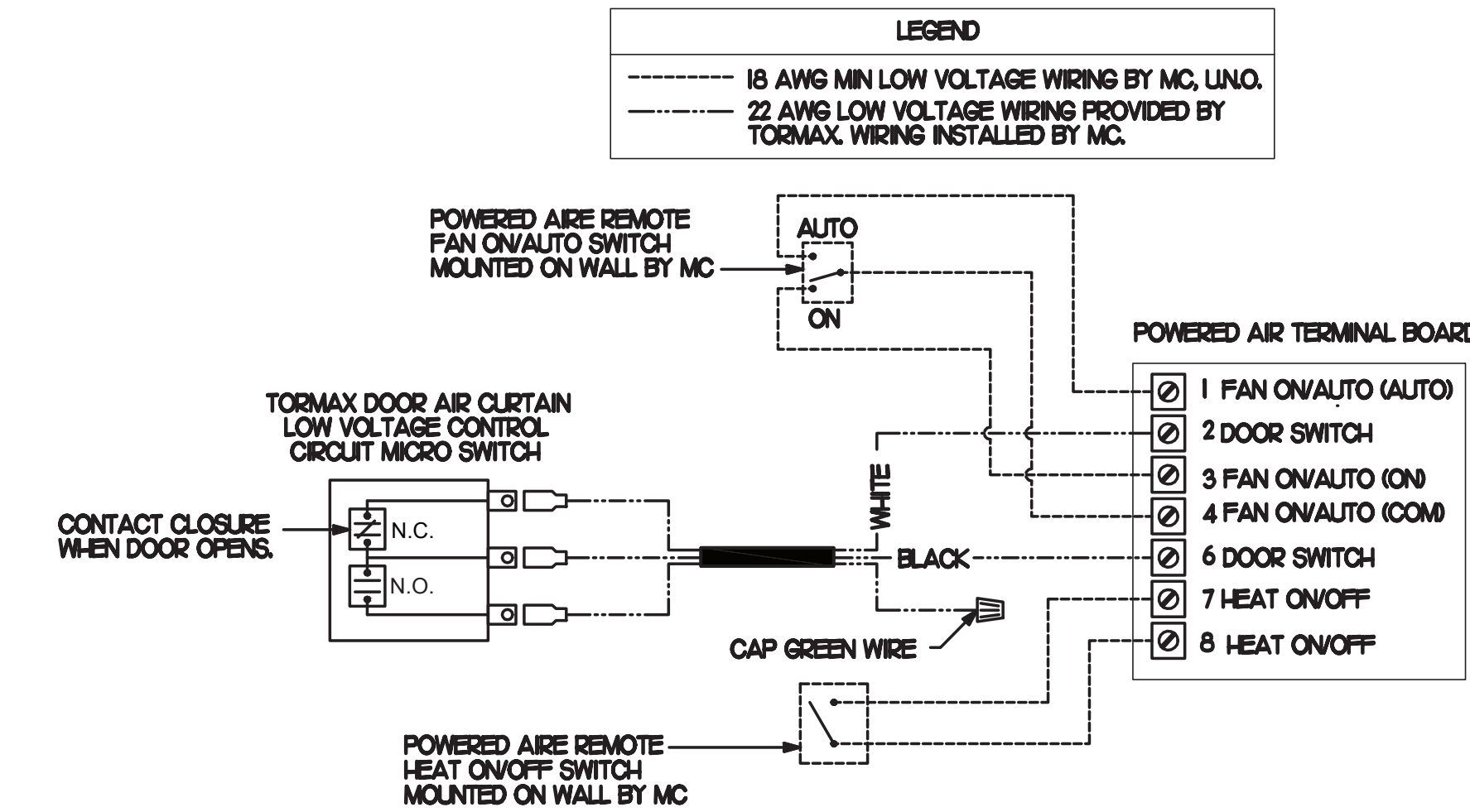
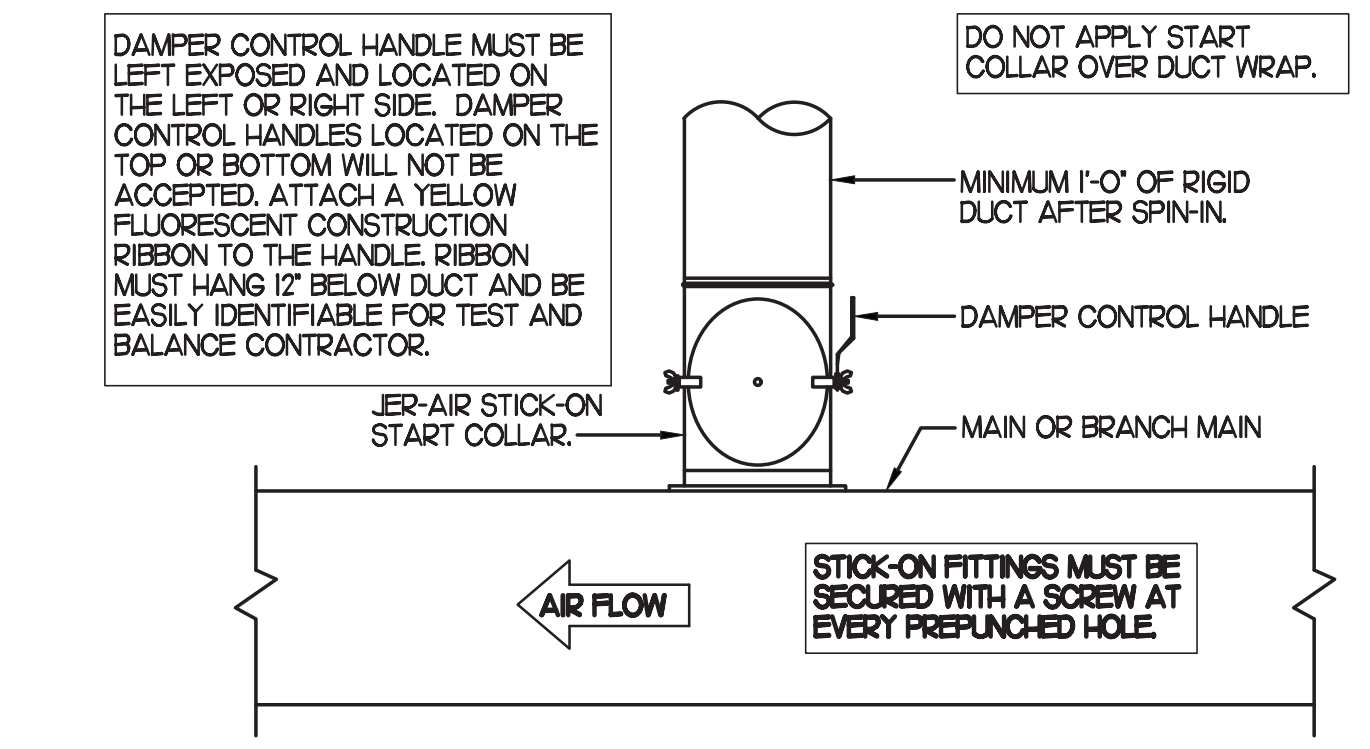
REMARKS:  
 1. ELECTRICIAN TO PROVIDE NON-FUSED DISCONNECT.  
 2. MECHANICAL TO PROVIDE AND INSTALL REFRIGERANT PIPING AS PER MFR RECOMMENDATIONS.  
 3. PROVIDE ENGRAVED PLASTIC LABEL AT AHJH AND CJH WITH T-HIGH WHITE LETTERS ON A BLACK BACKGROUND RIVETED TO UNIT CABINET.  
 4. PROVIDE WITH ADEQUATE 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 GZ-R0561L.

COPYRIGHT © 2022 INTERPLAN LLC. RESERVE COPYRIGHT & OTHER RIGHTS RESTRICTING REPRODUCTION OF THESE DOCUMENTS TO THE ORIGINAL USER. REPRODUCTION, CHANGES OR ASSIGNMENT ARE PROHIBITED.

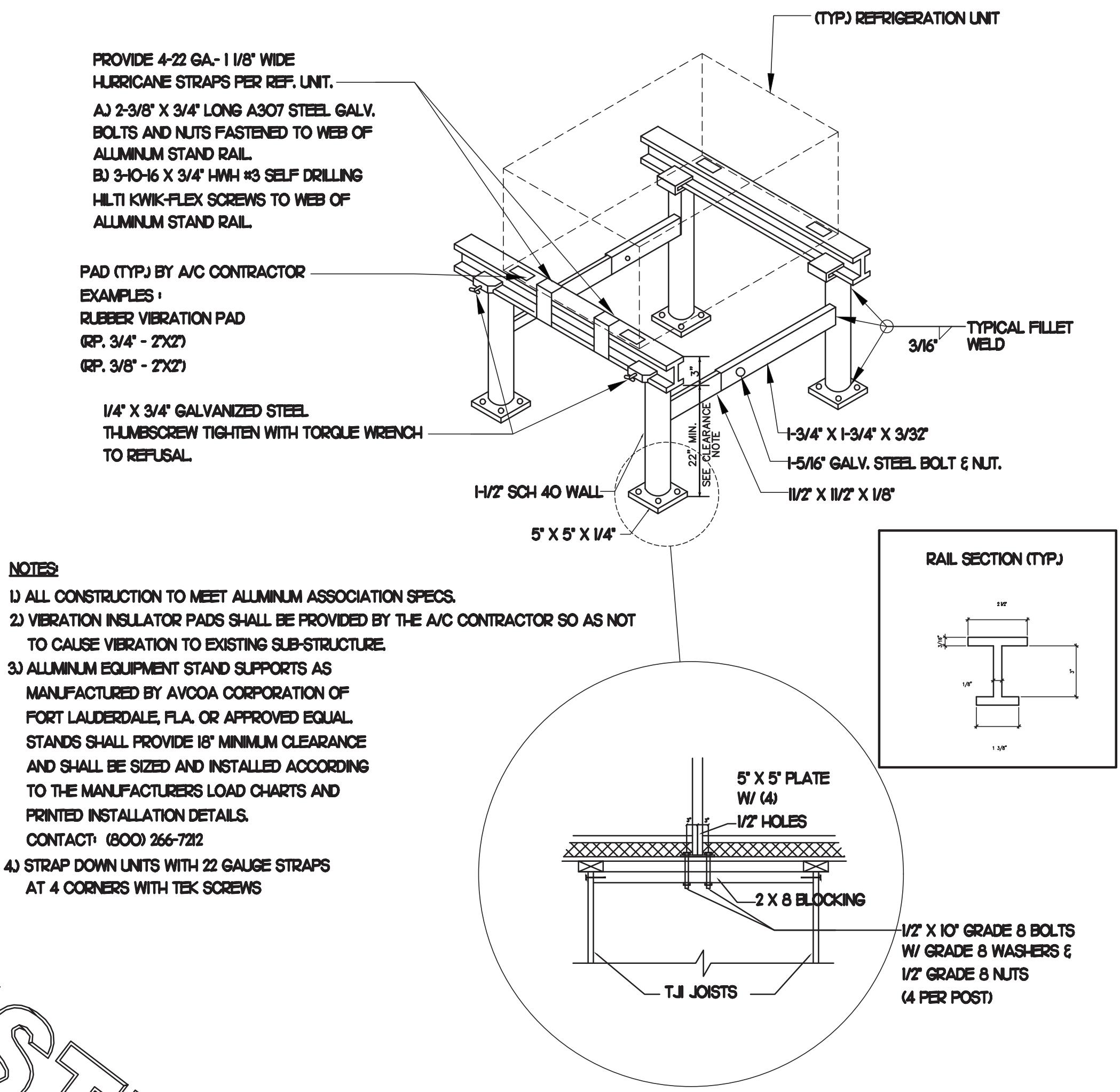
FOR CONSTRUCTION



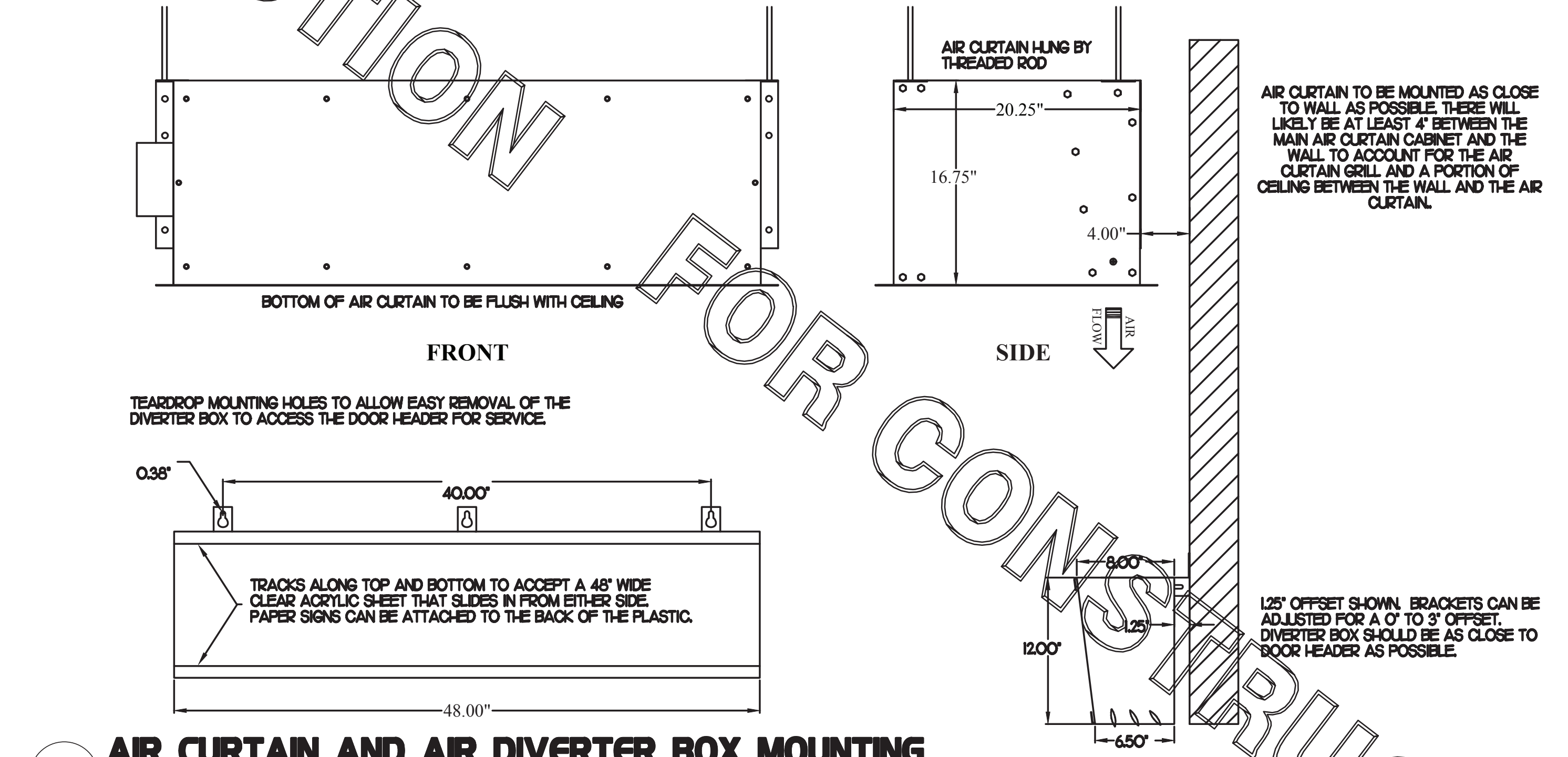
CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE JER-AIR START COLLARS FOR BOTH WITH AND WITHOUT A MANUAL BALANCING DAMPER. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE JER-AIR START COLLARS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-354-1010 FOR PRICING AND AVAILABILITY. JER-AIR START COLLARS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.



**CLEARANCE NOTE:**  
CONTRACTOR TO VERIFY THICKNESS OF ROOF ASSEMBLY. IF CLEARANCE REQUIRED FROM BOTTOM OF SUPPORT RACK STRUCTURE 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".



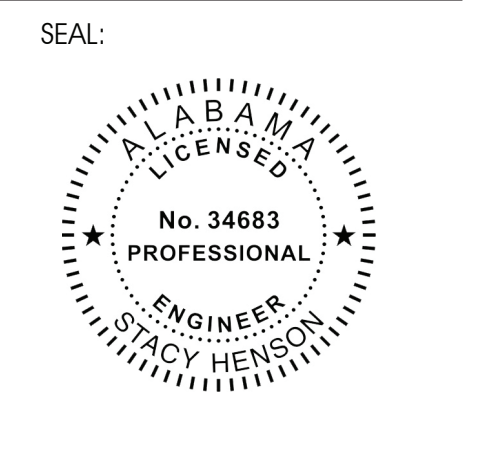
**NOTES:**  
 1) ALL CONSTRUCTION TO MEET ALUMINUM ASSOCIATION SPECS.  
 2) VIBRATION INSULATOR PADS SHALL BE PROVIDED BY THE A/C CONTRACTOR SO AS NOT TO CAUSE VIBRATION TO EXISTING SLAB STRUCTURE.  
 3) ALUMINUM EQUIPMENT STAND SUPPORTS AS MANUFACTURED BY AVCOA CORPORATION OF FORT LAUDERDALE, FLA. OR 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) 266-7222  
 4) STRAP DOWN UNITS WITH 22 GAUGE STRAPS AT 4 CORNERS WITH TEK SCREWS



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

**INTERPLAN**  
 INTERPLAN LLC  
 AR0011595  
 CA 8660  
 ARCHITECTURE  
 ENGINEERING  
 PERMITTING

220 E. CENTRAL PKWY., STE. 4000  
 ALTAMONTE SPRINGS, FL 32711  
 407.645.5008



**CHICK-FIL-A**  
**ALABASTER**  
 125 Colonial Promenade Parkway  
 Alabaster, AL 35007

**FSR#01794**  
 BUILDING TYPE / SIZE: S03.8-1C Reverse  
 RELEASE: 09.2021  
 PRINTED FOR CONSTRUCTION

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 2021.0086  
 DATE 11.2021  
 DRAWN BY CH  
 INFORMATION CONTAINED ON THIS DRAWING AND IN ALL DIGITAL FILES PRODUCED FOR ABOVE NAMED PROJECT MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN CONSENT OF INTERPLAN LLC.  
 SHEET MECHANICAL DETAILS  
 SHEET NUMBER

**I. SECTION C15000 - MECHANICAL SPECIFICATIONS**

**PART I - GENERAL**

- 1.01 SCOPE
- A. IT IS THE RESPONSIBILITY OF CONTRACTOR TO READ ALL SPECIFICATIONS AND COORDINATE ALL DRAWINGS WHICH MAY AFFECT THE INSTALLATION AND COMPLETION 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 EACH LOCATION 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 EXHAUSTS 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 HOLD 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 FOILKRAFT 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 CONTAMINANCE 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 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 FRODOOTS TO GRILLES AND DIFFUSERS ONLY IN THE HORIZONTAL POSITION AND IN MAXIMUM LENGTHS OF 4'-0", NO EXCEPTIONS. SEE TAKE-OFF DETAIL ON DRAWING M4.
- M. CONSTRUCTION OF FLEXIBLE DUCTWORK SHALL INCLUDE SPIRAL METAL HELIX BONDED TO A POLYESTER CORE, FIBERGLASS INSULATION WITH POLYETHYLENE OR NYLAR VAPOR BARRIER. ALL COMPONENTS SHALL HAVE APPROPRIATE U.L. APPROVAL AND SHALL BE EQUIVALENT TO THERMAFLEX MK6.
- N. FLEXIBLE DUCT SHALL BE INSTALLED PER THE "ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS, 4TH ED" USING FOIL TAPE AND DRAWBAND ON THE INNER CORE AND TAPE OR DRAWBAND ON THE OUTER JACKET.
- O. DUCT TAPE SHALL BE EQUAL TO FASSON 181-B FX, 2-1/2" WIDE.
- P. SINGLE THICKNESS TURNING VANES SHALL BE INSTALLED AT 90 DEGREE TURNS IN SUPPLY DUCTWORK WHERE ANY ONE DIMENSION IS GREATER THAN 12".
- Q. RADIUS ELBOWS MAY BE SUBSTITUTED FOR 90 DEGREE ELBOWS AT THE DISCRETION OF THE CONTRACTOR. CENTERLINE RADIUS EQUAL TO; R=W PER FIGURE NO. 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: 877-544-0679). 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 CONDUITORS 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.

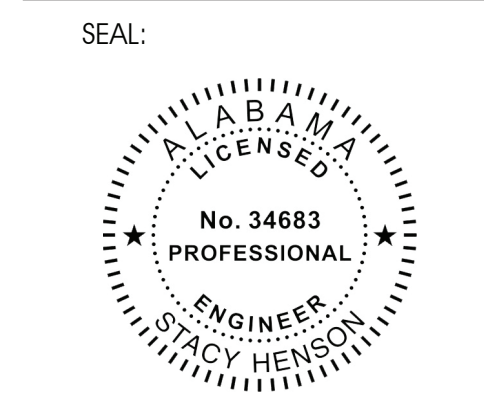


**Chick-fil-A**

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



220 E. CENTRAL PKWY, STE 4000  
ALAMONTE SPRINGS, FL 32701  
407.645.5008



**CHICK-FIL-A**  
**ALABASTER**  
125 Colonial Promenade Parkway  
Alabaster, AL 35007

**FSR#01794**

BUILDING TYPE / SIZE: S03.8-1C Reverse  
RELEASE: 09.2021  
PRINTED FOR: CONSTRUCTION

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 2021.0086  
DATE 11.2021  
DRAWN BY CH  
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.  
SHEET  
**MECHANICAL SPECIFICATIONS**  
SHEET NUMBER

**M5.I**