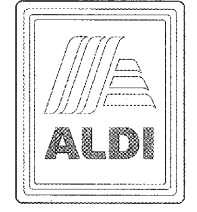




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ALDI FOOD STORE # 61
 2589 Spring Road
 Smyrna, GA 30080

REVISIONS

PROJECT DATA
 V1.07 100x155 LW Expansion
PROJECT NUMBER
 18412
ISSUE DATE
 10-25-18

ALDI FOOD STORE #61
 Smyrna, GA

H-201

HVAC SCHEDULES,
 SECTION 4 DETAILS



182394201

DESTRATIFICATION FAN SCHEDULE

ID	SERVES	LOCATION	TYPE	DRIVE	CFM	EXT. SP IN. WG.	FAN RPM	HP	VOLTAGE	MANUFACTURER	REMARKS
DF-1	SALES FLOOR	ROOF JOIST	CENT.	DIRECT	1,061	-	1,550	31 W	120/1	AIR-ROW F-18	(1)(2)(3)
DF-2	SALES FLOOR	ROOF JOIST	CENT.	DIRECT	1,061	-	1,550	31 W	120/1	AIR-ROW F-18	(1)(2)(3)
DF-3	SALES FLOOR	ROOF JOIST	CENT.	DIRECT	1,061	-	1,550	31 W	120/1	AIR-ROW F-18	(1)(2)(3)

- FAN PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. SUPPORT FAN FROM BUILDING STRUCTURE WITH BEAM CLAMPS AND AIRCRAFT CABLE. INSTALL AT 1'-0" BELOW ROOF DECK AND PER MANUFACTURER'S RECOMMENDATIONS.
- FAN SHALL RUN CONTINUOUSLY. WIRING PROVIDED BY DIVISION 16. FACTORY SHALL PRESET FAN SPEED TO MAXIMUM.
- FAN TO BE FIELD PAINTED TO MATCH BUILDING STRUCTURE. PROTECT ALL MOVING PARTS PRIOR TO PAINTING.

ROOFTOP UNIT SCHEDULE

ID	LOCATION	SERVES	SUPPLY FAN CFM	MOTOR DRIVE	MIN. OUTDOOR AIR CFM	ESP IN WG	MOTOR HP	VOLTS/PH	HEATING MEDIUM	HEATING INPUT CAPACITY MBH	HEATING OUTPUT CAPACITY MBH	COOLING MEDIUM	GROSS COOL CAPACITY MBH	SENS. COOL CAPACITY MBH	FILTER SIZE/NUMBER	FILTER EFFICIENCY	MANUFACTURER	REMARKS
RTU-1	ROOF	SALES FLOOR	8,400	DIRECT	1,350	1.0	7.5	208/3	GAS	270.0	216.0	R-410A	300.0	-	16X20X2 - 9	30%	CES SAHARA EXPRESS DPRTU025 - TYPE 3	(1)(2)(3)(4)(5)(7)(8)
RTU-2	ROOF	OFFICE AREA	1,015	DIRECT	100	0.5	1/2	208/3	GAS	65.0	52.0	R-410A	37.5	29.6	16X20X2 - 4	30%	LENNOX KGA03654	(6)(7)(8)(9)(10)

- PROVIDE 14" HIGH INSULATED ROOF CURB & BURGLAR BARS ON SUPPLY AND RETURN OPENINGS. RTU-1 ROOF CURB IS BY AES INDUSTRIES CONTACT GEORGE LASHER T(800)784-0402 X 216. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PURCHASING THE ROOF CURB DIRECTLY FROM AES INDUSTRIES.
- PROVIDE WITH THROUGH THE BASE SINGLE POINT ELECTRICAL CONNECTION, DISCONNECT, VFD 2-SPEED OPERATION, OA HOOD, PROOF AIRFLOW SWITCH, CLOGGED FILTER SWITCH, STAINLESS STEEL DRAIN PAN, 120V CONVENIENCE OUTLET & DEHUMIDIFICATION CONTROL.
- UNIT SUPPLIED BY OWNER, RECEIVED, RIGGED AND INSTALLED BY MECHANICAL CONTRACTOR.
- ROOFTOP UNIT CONTROLLER IS FACTORY INSTALLED IN THE SAHARA EXPRESS™ DPRTU. SPACE TEMPERATURE, SUPPLY AIR TEMPERATURE & SPACE HUMIDITY SENSORS ARE SUPPLIED BY CD CONTROLS AND SHIPPED TO REFRIGERATION CONTRACTOR FOR FIELD INSTALLATION.
- CES INC. CUSTOM SUPERMARKET SAHARA EXPRESS™ DPRTU IS MANUFACTURED BY AAOIN INC. (PRODUCTION 10 - 12 WEEKS) TO COORDINATE DPRTU SHIPPING CONTACT CES INC. T(888)598-1198 CUSTOMERSUPPORT@CESINC.CA CES INC. TECHNICAL SUPPORT CONTACT T(877)523-7462 TECHHELP@CESINC.CA
- ALDI HAS A NATIONAL ACCOUNT WITH LENNOX INDUSTRIES. ALL LENNOX HVAC EQUIPMENT SHOULD BE QUOTED AND ORDERED THROUGH LENNOX NATIONAL ACCOUNTS. PLEASE CALL 800-367-6285 AND HIT "2" FOR SALES AND ASK FOR THE ALDI'S NATIONAL ACCOUNT SALES ADMINISTRATOR WHO WILL ASSIST YOU WITH QUOTES, AVAILABILITY AND ORDERS.
- PROVIDE WITH HAIL GUARDS.
- MECHANICAL CONTRACTOR TO REVIEW AND CONFIRM RTU SETPOINTS/STORE HOURS WITH ALDI DIRECTOR OF REAL ESTATE AND SIEMENS ENERGY MANAGEMENT USER GUIDE
- PROVIDE WITH THROUGH THE BASE ELECTRICAL CONNECTION.
- PROVIDE 14" HIGH INSULATED ROOF CURB AND BURGLAR BARS ON SUPPLY AND RETURN OPENINGS. FIELD VERIFY LOCATIONS.

DIFFUSER/REGISTER/GRILLE SCHEDULE

ID	SERVES	TYPE	FACE SIZE	NECK SIZE	CONST. MATERIAL	CEILING MOUNTING	MAX. INC	MANUFACTURER	REMARKS
D-1	SUPPLY	6-WAY	30X12	40X40	STEEL	THREADED ROD	20	PRICE JS210	(1)(2)
D-2	SUPPLY	JET-SLOT	48X24	10"Ø	STEEL	T-BAR	20	PRICE JS210	(1)(2)
R-2	TRANSFER	GRILLE	24X12	24X12	STEEL	GWB	20	PRICE S10Z	(1)

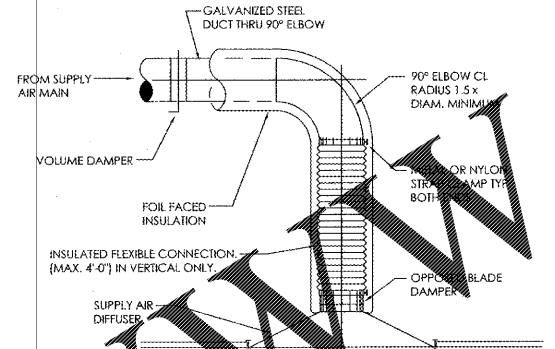
- PROVIDE PRIMED FINISH, AIR DEVICE TO BE PAINTED IN THE FIELD.
- PROVIDE WITH ONE (1) 1" SLOT, 24" TALL INTERNALLY INSULATED PLENUM, VOLUME DAMPER & CABLE OPERATOR.
- MAKE/MODEL: SPINNAKER INDUSTRIES, INC./SP1177 OR EQUAL BY ADAPTABLE AIR PRODUCTS, AES INDUSTRIES OR UNITED ENERTECH.

VENTILATION RATE SCHEDULE

INTERNATIONAL MECHANICAL CODE 2015
 TABLE 403.3 - SUPERMARKETS

ROOM NAME	OCCUPANCY CLASSIFICATION	GROSS AREA (SQ FT)	NET OCCUPIABLE AREA (SQ FT)	TOTAL OCCUPANTS	CFM PER PERSON	CFM PER SQ. FT.	VENTILATION EFFECTIVENESS	REQ'D OA CFM	REQ'D EA CFM
OFFICE	OFFICE SPACES	165	115	1	5	0.06	0.8	15	-
BREAK RM.	CONFERENCE RM.	198	138	7	5	0.06	0.8	52	-
MEN'S RM.	TOILET RM. - PUBLIC	64	64	-	-	50 ^{IMP}	-	-	100
WOMEN'S RM.	TOILET RM. - PUBLIC	45	45	-	-	50 ^{IMP}	-	-	50
HALL	CORRIDOR	70	70	-	-	0.06	-	5	-
SALES FLOOR/VEST.	SUPERMARKET	13,000	9,100	73	7.5	0.06	0.8	1,313	-
TOTAL OA REQUIRED								1,385	-
TOTAL OA PROVIDED								1,450	-

- RATE PER WATER CLOSET/URINAL WITH EXHAUST OPERATING CONTINUOUSLY DURING OCCUPIED HOURS.



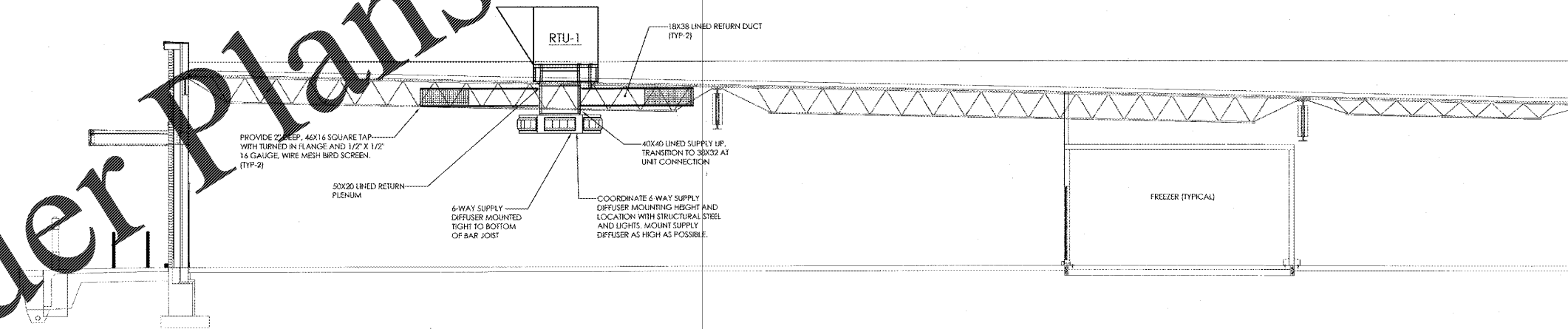
2 Flexible Duct Mounting Detail

SYMBOLS & ABBREVIATIONS

- ☒ DUCT UP
- ☒ DUCT DOWN
- ⊕ TEMPERATURE SENSOR
- ⊖ HUMIDISTAT
- ⊙ SMOKE DETECTOR
- ⊙ DISCHARGE AIR TEMPERATURE SENSOR
- ⊖ SINGLE BLADE VOLUME DAMPER
- ⊖ OPPOSED BLADE VOLUME DAMPER
- ⊖ DUCTWORK WITH 1" INTERNAL LINING
- ⊖ 12X12 SHEETMETAL ACCESS DOOR
- ⊖ FIRE DAMPER WITH ACCESS DOOR
- ⊖ ROUND CONCENTRIC TAKEOFF
- ⊖ BELL MOUTH TAKEOFF
- ⊖ BOO BOTTOM OF DUCT
- ⊖ EF EXHAUST FAN
- ⊖ RTU ROOFTOP UNIT
- ⊖ UH UNIT HEATER

DUCT SMOKE DETECTOR SYSTEM SPECIFICATION

DUCT SMOKE DETECTOR MUST BE SYSTEM SENSOR MODEL D4120 SERIES 4 WIRE, 120 V PHOTOELECTRIC. HOUSING SHALL BE UL LISTED PER UL268A. PROVIDE REMOTE TEST STATION WITH KEY, RTS151KEY AND REMOTE ANNUNCIATOR, RA100Z. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE DUCT MOUNTED SMOKE DETECTOR.



1 HVAC Section
 SCALE: 3/16"=1'-0"

Order Plans @