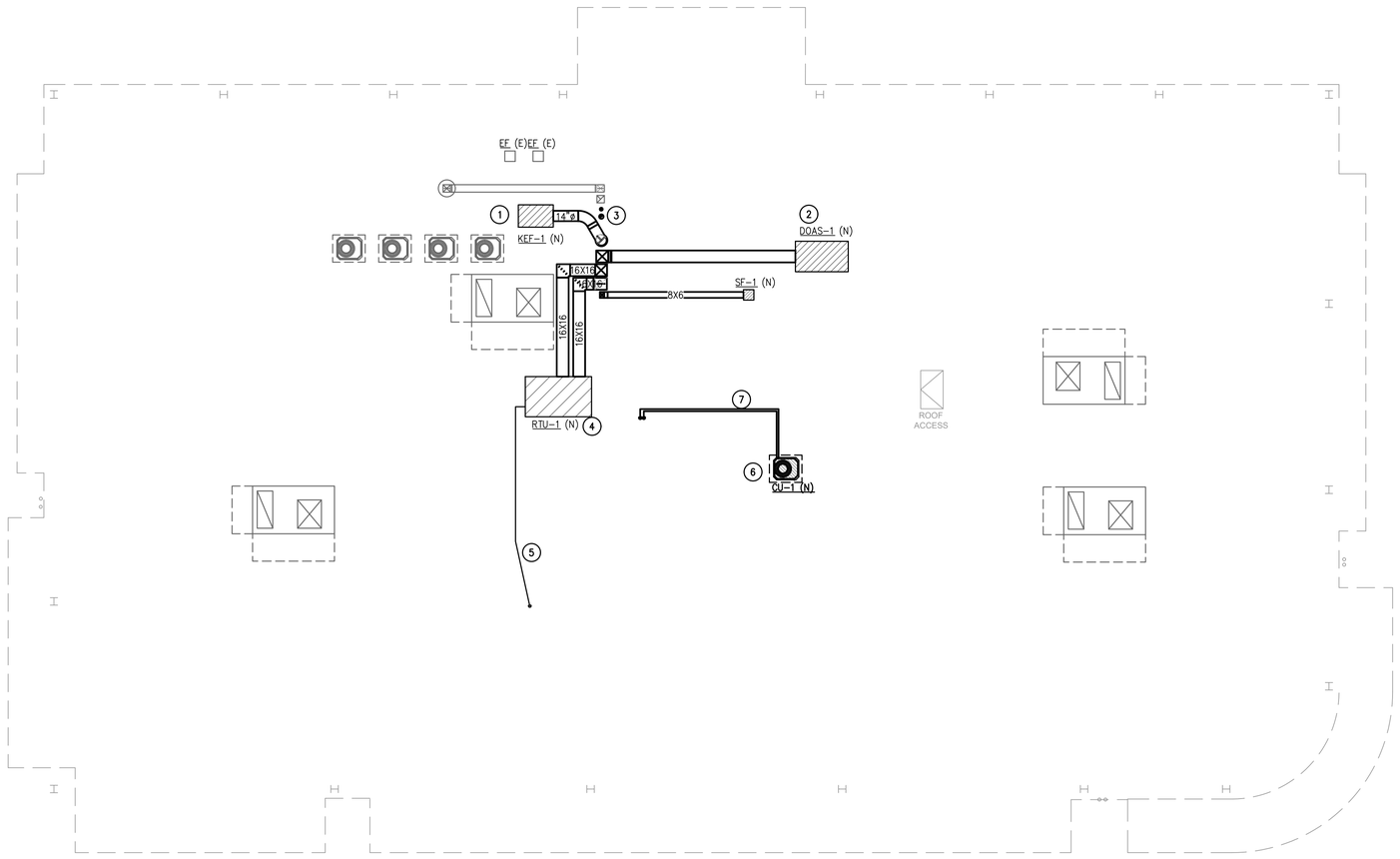

01 MECHANICAL PLAN - ROOF
SCALE: 1/8"=1'-0"

MECHANICAL KEYED NOTES:

1. PROVIDE NEW EXHAUST FAN. ROUTE EXHAUST DUCT THROUGH ROOF. ENSURE EXHAUST OUTLET IS A MINIMUM OF 10 FEET FROM NEAREST FRESH AIR INTAKE. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAIL.
2. PROVIDE NEW SUPPLY FAN ALONG WITH DUCT AND ROOF CURB ON THE ROOF AND DROP TO 1ST FLOOR VIA THE CHASE AS SHOWN. REFER TO SCHEDULES AND DETAILS. SF-2 WILL BE INTERLOCKED WITH THE AHU-1.
3. PROVIDE COMBUSTION AND FLUE PIPE FOR THE OVEN. FOLLOW MANUFACTURER'S GUIDELINES FOR PROPER INSTALLATION AND SIZING PIPES AS REQUIRED.
4. PROVIDE NEW RTU AT LOCATION SHOWN. COORDINATE WITH STRUCTURAL ENGINEER AND ARCHITECT FOR EXACT LOCATION FIELD VERIFY AND COORDINATE TO MAINTAIN ALL BUILDING EXHAUST TO BE AT LEAST 10 FEET AWAY FROM THE RTU'S OUTSIDE AIR INTAKE OPENING. PROVIDE TRANSITION AS REQUIRED TO FIT ROOF TOP UNIT OPENING FROM THE EXISTING DUCTWORK. SEE SCHEDULE AND DETAILS.
5. PROVIDE 3/4"ø CONDENSATE DRAIN LINE FROM RTU TO THE EXISTING ROOF DRAINAGE WITH DRAIN SUPPORTER (APS FROM PIPE PROP OR EQUAL). THE DRAIN LINE SHALL BE SLOPPED AT LEAST 1/8" PER FOOT TOWARD THE DOWNSPOUT. FIELD VERIFY AND COORDINATE FOR BEST ROUTING.
6. PROVIDE CONDENSER UNIT (CU-1) ON THE ROOF ON THE GROUND AT LOCATION SHOWN. COORDINATE WITH BUILDING ENGINEER AND ARCHITECT FOR EXACT LOCATION AND OTHER REQUIREMENTS. SEE SCHEDULE AND DETAILS.
7. ROUTE NEW REFRIGERANT PIPING THROUGH ROOF WITH ROOF JACK VIA ELECTRICAL ROOM. FOLLOW MANUFACTURER GUIDELINE FOR PROPERLY SIZING REFRIGERANT PIPES. PROTECT PIPING WITH 1" INSULATION. PROTECT OUTDOOR PIPING WITH ALUMINUM JACKET. COORDINATE WITH BUILDING ENGINEER FOR THE BEST ROUTING PRIOR TO START OF WORK.

CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL ROOF-MOUNTED EQUIPMENT PRIOR TO INSTALLATION TO AVOID CONFLICTS WITH EXISTING CONDITIONS.

PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS THROUGH RATED WALLS AND/OR CEILINGS, AS REQUIRED BY CODE.

MAINTAIN A MINIMUM 10 FEET SEPARATION BETWEEN OUTDOOR AIR INTAKE AND EXHAUST AIR LOCATIONS.

CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER AND EXISTING SITE CONDITIONS TO DETERMINE WHETHER DUCTWORK CAN BE ROUTED THROUGH THE LEVEL 3 PLENUM IN LIEU OF ROOF ROUTING.

TRUE NORTH PLAN NORTH

SCALE: 1/8"=1'-0"

E B E CONSULTING ENGINEERS
Mechanical
Electrical
Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638

PM	MECH	ELEC	PLBG	CHCK
JG	THV	JG	BM	JG

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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BAGEL BEE

400 W. DAVIS, SUITE 110
CONROE, TX 77301

E/B/E Project Number : 26049.00

ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	05/08/2026
ISSUED FOR PERMIT	05/08/2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE
	90% REVIEW SET	2026/04/07
	PERMIT AND BID SET	2026/05/08

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STATE OF TEXAS
JOSE M. GUERRERO
154536
LICENSED PROFESSIONAL ENGINEER
05/08/2026

DRAWING TITLE
MECHANICAL ROOF PLAN

SHEET NO.
M1.02

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