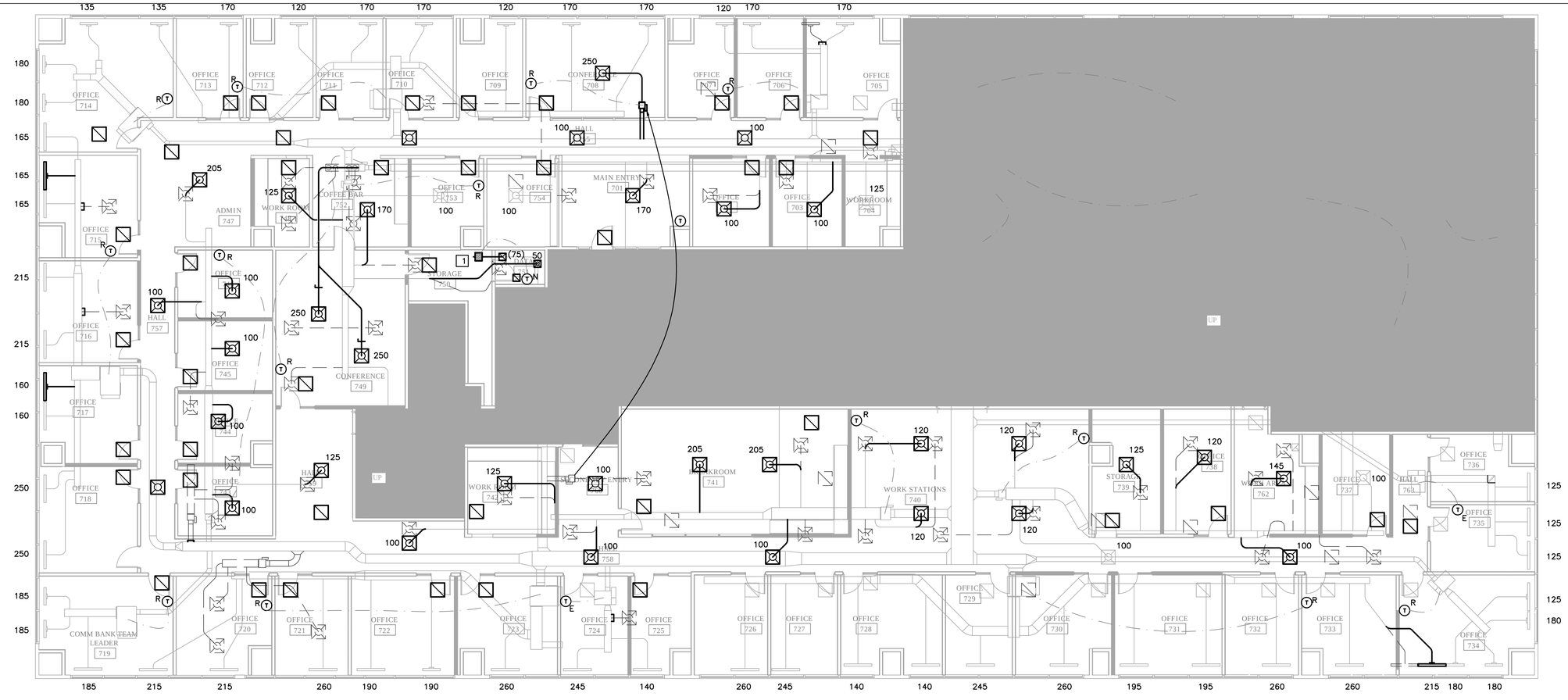


0 4' 8' 16' 24'

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

1 7TH LEVEL FLOOR PLAN - MECHANICAL

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

EXISTING TO REMAIN

EXISTING TO BE REMOVED

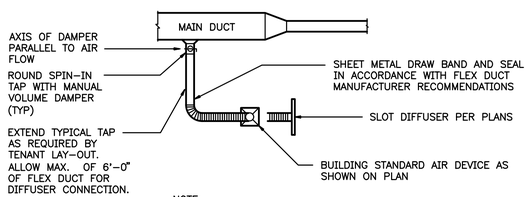
NEW SUPPLY DIFFUSER

NEW RETURN GRILLE

NEW SUPPLY SLOT DIFFUSER

NEW RETURN SLOT DIFFUSER

CEILING DIFFUSER RUNOUT SIZING	
RUNOUT / NECK SIZE	CFM RANGE
8"ø	0 – 240 CFM
10"ø	245 – 400 CFM
12"ø	405 – 600 CFM
14"ø	605 – 770 CFM



NOTE:

CONTRACTOR TO VERIFY LOCATION, SIZE, AND QUANTITY OF EXISTING TAPS, RUNOUTS, AND AIR DEVICES. REPLACE TAPS/RUNOUTS AS REQUIRED WITH SIZE SCHEDULE. CAP ALL UNUSED TAPS.

2 DIFFUSER CONNECTION DETAIL

SCALE: NONE

GENERAL MECHANICAL NOTES

A. EXISTING THERMOSTATS DESIGNATED BY "E", RELOCATED THERMOSTATS DESIGNATED BY "R", AND NEW THERMOSTATS DESIGNATED BY "N". PLAN INDICATES APPROXIMATE LOCATIONS; COORDINATE EXACT LOCATIONS WITH ARCHITECT. COORDINATE RELOCATION OF EXISTING THERMOSTATS CONTROLLING ZONES SERVING MULTIPLE TENANTS WITH BUILDING MANAGEMENT.

B. PROVIDE YOUNG REGULATORS WITH BOWDEN CONTROL CABLES FOR ALL TAPS ABOVE INACCESSIBLE CEILINGS.

C. ALL DUCT IN AREAS WITH CEILINGS OPEN TO STRUCTURE TO BE INTERNALLY INSULATED PER BUILDING STANDARDS. COORDINATE EXTERIOR COLOR AND FINISH WITH ARCHITECT.

D. NOTIFY MEP ENGINEER OF ANY EXISTING DIFFUSER RUN OUTS, TAPS, OR DIFFUSER INLETS LESS THAN 8"ø.

E. CONTRACTOR TO VERIFY RETURN AIR PATH ACROSS WALLS AND BULKHEADS TO DECK, U.N.O. COORDINATE NEW RETURN AIR TRANSFER SIZE WITH MEP ENGINEER WHERE REQUIRED. 500 FPM MAXIMUM RETURN AIR VELOCITY.

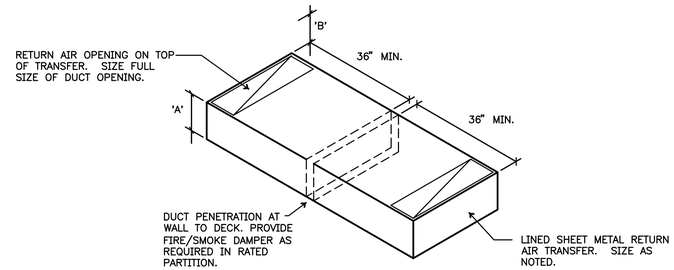
F. PLAN INDICATES APPROXIMATE LOCATIONS OF ALL REGISTERS, GRILLES, AND DIFFUSERS. COORDINATE EXACT LOCATIONS, COLOR, FINISH, AND BORDER TYPES WITH ARCHITECT.

G. MAINTAIN ALL WALL, FLOOR, AND ASSEMBLY RATINGS AT DUCT PENETRATIONS. PROVIDE RATED DAMPERS IN DUCT WORK AT ALL RATED PENETRATIONS. DAMPER'S RATING TO MAINTAIN WALL, FLOOR, AND ASSEMBLY'S RATING. COORDINATE ALL RATINGS WITH ARCHITECT.

H. PROVIDE ACCESS PANELS FOR ALL EQUIPMENT AND CONTROLS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE PANEL SELECTION WITH ARCHITECT. PANELS TO BE SIZED FOR UNIT MAINTENANCE AND REMOVAL/REPLACEMENT.

I. MECHANICAL SYSTEMS WITHIN SCOPE OF WORK INCLUDE THE USE OF A RETURN AIR PLENUM. CONTRACTOR TO VERIFY EXISTING CONSTRUCTION AND MATERIALS WITHIN RETURN AIR PLENUMS ARE PLENUM RATED. ALL NEW CONSTRUCTION AND COMPONENTS WITHIN RETURN PLENUM MUST BE PLENUM RATED. COORDINATE MATERIALS RATINGS AND APPROVED USAGE WITH ARCHITECT.

J. PROVIDE DUCT WORK SHOP DRAWINGS TO MEP ENGINEER FOR REVIEW PRIOR TO ORDERING DUCT.



MAX VELOCITY 500 FPM

'B' DIMENSION, MINIMUM CLEARANCE FROM ANY OBSTRUCTION, SHALL BE EQUAL TO OR GREATER THAN 'A'.

3 RETURN AIR TRANSFER DETAIL

LOCATED IN RETURN AIR PLENUM

MECHANICAL NOTES BY SYMBOL

1 COOK INLINE EXHAUST FAN MODEL GN COMPLETE WITH UNIT MOUNTED FAN SPEED CONTROLLER; 75 CFM @ 0.25" ESP. CONTROL WITH THERMOSTAT AND DISCHARGE AIR INTO PLENUM.

SCHMIDT & STACY CONSULTING ENGINEERS, INC.
2900 CITYPLACE
2711 N. HASKELL AVE.
DALLAS, TEXAS 75204
214-874-0200
TEXAS REGISTRATION #F000521
PROJECT # 1809083

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

© COPYRIGHT

PROSPERITY BANK®

PROSPERITY BANK - RENOVATION

5949 SHERRY LANE
7TH FLOOR
DALLAS, TEXAS 75225

Project Number : 25-8974-01

	DATE
ISSUED FOR CLIENT APPROVAL	
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	02/23/2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE

The information, ideas, designs, details, layouts, techniques, features, arrangements, plans, sequences, dimensions, allowances, tolerances, conceptions, specifications, intentions, technology or embodiments, as illustrated, arranged, displayed, noted, recorded, indicated, represented, disclosed, evidenced, detailed or otherwise reduced to tangible form hereon, either expressly, inherently or by implication, are the confidential and proprietary information of SLI Design, Inc., and shall not be used for any purpose other than the specific project or undertaking identified on the drawing title block or legend for which they are and have been prepared by SLI Design, Inc. Any other reproduction, disclosure or use of any portion of the confidential and proprietary information of SLI Design, Inc., shall be a breach of the obligation of confidence created by the acceptance of this drawing from SLI Design, Inc. for a specific project or Contract. Any copying, duplicating, reproducing, utilization, alteration, modification, revision or change to this drawing, is expressly prohibited unless done with the prior written consent or approval of SLI Design, Inc., and shall not be undertaken without receipt of such prior written approval. This drawing is loaned by SLI Design, Inc., for the limited purpose of complying with a specific Contract. The drawing remains the property of SLI Design, Inc., and shall be returned upon request or completion of the contract, unless specifically authorized by Contract, under which it was loaned.

PRINT DATE: 02/23/2026

STATE OF TEXAS
JAY K. LEIRD
124650
LICENSED
PROFESSIONAL ENGINEER
02/23/2026

DRAWING TITLE: 7TH LEVEL FLOOR PLAN - MECHANICAL

DRAWN BY: Author

CHECKED BY:

APPROVED BY:

SHEET NO. M2.07