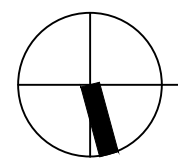


## MECHANICAL GENERAL NOTES:

1. ALL FEDERAL, STATE, LOCAL, AND OSHA SAFETY RULES MUST BE OBSERVED.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF DIFFUSERS, GRILLES AND/OR REGISTERS. DIFFUSERS IN OPEN CEILING AREAS SHALL BE INSTALLED AT THE SAME HEIGHT AS THE LIGHT FIXTURES.
3. SYSTEMS SHOWN ON THESE DOCUMENTS ARE DIAGRAMMATIC IN NATURE, COORDINATE EXACT DUCT LOCATION WITH EXISTING FIELD CONDITIONS. DUCTWORK SHOWN IN THIS CONSTRUCTION DOCUMENT IS DESIGNED AT A PRESSURE LOSS OF 0.08 WC/100 FEET OF DUCT. HVAC INSTALLATION CONTRACTOR MAY ADAPT DUCTWORK PER FIELD CONDITIONS DICTATE, AS LONG AS DUCT TOTAL PRESSURE DROP DOES NOT CHANGE. MAJOR DEVIATIONS (DUCT LOCATIONS MOVE MORE THAN 3 FEET FROM THAT STATED IN PLANS) IN DUCTWORK PER FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF MECHANICAL ENGINEER/KROGER ENGINEER FOR APPROVAL PRIOR TO DEVIATION FROM CONSTRUCTION DOCUMENTS.
4. VERIFY LOCKING QUADRANT VOLUME DAMPERS FOR EACH SUPPLY, RETURN AND EXHAUST DIFFUSERS, GRILLE OR REGISTER. INSTALL VOLUME DAMPERS IN AN ACCESSIBLE LOCATION, AS FAR AS POSSIBLE FROM DIFFUSERS AND GRILLES AND AS CLOSE AS POSSIBLE TO BRANCH TAKE OFF. KEEP DAMPERS (2) WIDTHS FROM A BRANCH TAKE-OFF.
5. LOCATE ALL HVAC TEMPERATURE ROOM SENSORS, AND CONTROL PANELS 54" ABOVE FINISHED FLOOR. ALL TEMP SENSORS FOR HVAC SYSTEM ARE TIED BACK TO THE CONTROLLER.
6. SUBMIT DETAILED SHOP DRAWINGS FOR SHEET METAL WORK COMPLETE WITH ALL NECESSARY COMPONENTS, SECTIONS, DETAILS, DIMENSIONS TAKEN FROM FIELD CONDITIONS AND COORDINATED WITH OTHER TRADES FOR REVIEW BEFORE FABRICATION OR INSTALLATION, DUCT CHANGES WILL BE PROBABLE, ESPECIALLY IN TIGHT AREAS.
7. CONTRACTOR MUST PROVIDE COMPLETE SHOP DRAWINGS INDICATING ALL CONTROL WIRING, SYSTEM COMPONENTS, COMPONENT MANUFACTURER AND APPLIED SEQUENCE OF OPERATIONS FOR ALL SYSTEM FOR REVIEW BEFORE PURCHASE OF EQUIPMENT OR INSTALLATION. WIRING SHALL BE INSTALLED PER DIV 26 SPECIFICATIONS.
8. FIELD VERIFY ALL EXISTING MECHANICAL SYSTEMS AND EQUIPMENT. REPORT DISCREPANCIES BETWEEN FIELD CONDITIONS AND CONTRACT DOCUMENTS TO KROGER MECHANICAL ENGINEER FOR DIRECTION PRIOR TO COMMENCING WORK.
9. CONTRACTOR SHALL COORDINATE LOCATION OF ALL EQUIPMENT AND SYSTEMS WITH EXISTING CONDITIONS AND OTHER TRADES TO AVOID AND RESOLVE CONFLICT.
10. HVAC BUILD PLAN SHOWN WITH RESPECT TO NEW STORE FIXTURE LAYOUT FOR CLARITY.
11. PROVIDE TURNING VANES IN ALL RECTANGULAR 90 DEGREE MITERED ELBOWS.
12. MOUNT TEMPERATURE SENSORS AT 7'-6" AFF.
13. ALL DUCTS LOCATED IN OPEN CEILING AREA TO BE LOCATED AT 16'-0" A.F.F. MIN OR AS HIGH AS THE EXISTING STRUCTURE ALLOWS.

## KEYED NOTES:

- 1) PROVIDE NEW TEMPERATURE SENSOR SERVING (E)RTU-BANK. PROVIDE CONTROLS WIRING TO ESTABLISH CONNECTION FOR (E)RTU INTO BUILDING INFORMATION SYSTEM CONTROLLER.
- 2) PROVIDE NEW FLEX DUCT CONNECTIONS TO RELOCATE EXISTING DIFFUSER/GRILLE IN NEW CEILING. SIZE TO MATCH EXISTING DUCTWORK.
- 3) REPLACE EXISTING FLEX DUCT CONNECTIONS AND PROVIDE NEW RIGID DUCT FITTINGS TO INSTALL EXISTING SUPPLY/RETURN DEVICES IN NEW OPEN CEILING. MOUNT RETURN GRILLE AS HIGH AS EXISTING DUCTWORK ALLOWS. MOUNT SUPPLY DIFFUSER AT SIMILAR HEIGHT AS NEW LIGHTING.
- 4) INSTALL DUCTED 14"x16" TRANSFER GRILLES HIGH ON EACH SIDE OF NEW WALL BETWEEN STUDS. T-1 DESIGN BASIS: PRICE INDUSTRIES, MODEL 510, 14"x16" WALL SURFACE MOUNTED.



**MECHANICAL PLAN**  
SCALE: 3/32" = 1'-0"

BIDS AND PERMITS ISSUED FOR: 90% OWNER REVIEW		05/12/2025 05/16/2025	
<b>PROPOSED MINOR INTERIOR REMODEL FOR:</b>			
			
STORE NO. D-663 26130 GRATIOT AVE. ROSEVILLE, MI 48066			
THE KROGER CO. OF MICHIGAN			
 <b>jeffery a. scott architects p.c.</b>			
32316 grand river ave. suite 200 farmington, michigan 48336-3261 (248) 476-8800 fax (248) 476-8833			
<b>MECHANICAL PLAN</b>			
project no.		sheet no.	
<b>24007</b>		<b>M11</b>	