KEYNOTES

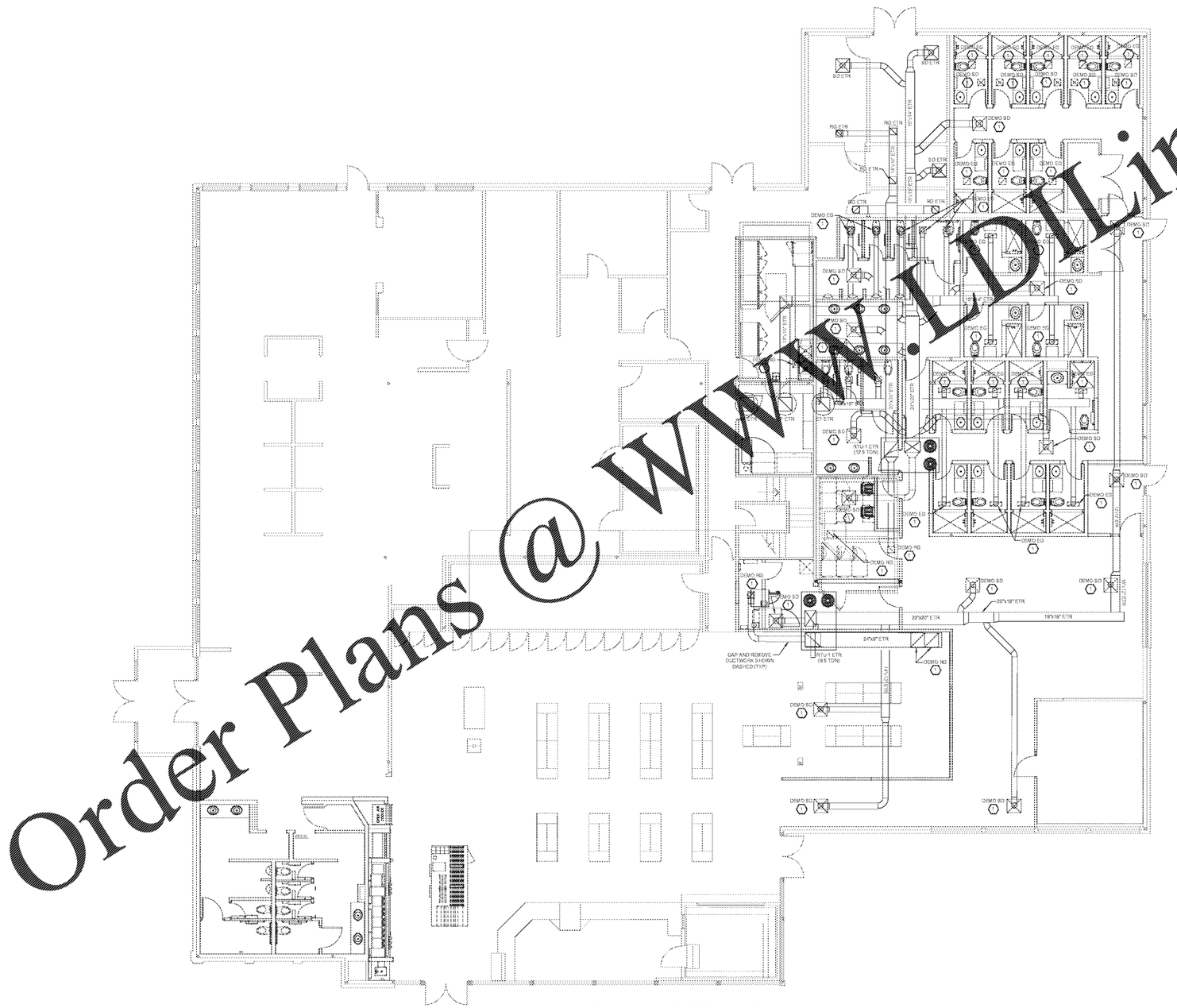
1. CAP AND REMOVE EXISTING BRANCH DUCTWORK AND AIR DEVICES NOT BEING REUSED. PATCH AND REPAIR DUCTWORK AS NEEDED.

GENERAL NOTES

1. ALL MECHANICAL HVAC AND PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL, PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
2. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES WITH CEILING AND LIGHT FIXTURE LAYOUT - VERIFY WITH THE ARCHITECT.
3. ALL RECTANGULAR SUPPLY DUCTS ELBOWS SHALL HAVE SINGLE THICKNESS TURNING VANES
4. ALL AIR CONDITIONING DUCTWORK SHALL BE SMACNA 1" PRESSURE CLASSIFICATION WITH SEAL CLASS 'A.'
5. DUCT SIZES SHOWN ARE ACTUAL INSIDE CLEAR DIMENSIONS. SHEET METAL CONTRACTORS SHALL INCREASE SIZES FOR DUCTWORK REQUIRED TO BE LINED TO ALLOW FOR 1-INCH THICK LINER EQUIVALENT TO KNAUF TYPE "EM" - MINIMUM R-VALUE 4.2.
6. COORDINATE ROUTING OF DUCTWORK WITHIN STRUCTURE WITH THE LOCATION OF COLUMNS, JOIST AND BEAMS.
7. ALL ROUND AIR CONDITIONING DUCTWORK SHALL HAVE 2-INCH THICK EXTERIOR DUCT WRAP CONSISTING OF A FIBERGLASS BLANKET WITH FACTORY APPLIED VAPOR BARRIER FACING AND HAVING A MINIMUM R-VALUE OF 5.6, UNLESS NOTED OTHERWISE.
8. IT IS THE INTENT TO HAVE ALL AIR SYSTEMS INCLUDING KITCHEN EXHAUST AND MAKE-UP AIR BALANCED BY AN INDEPENDENT TAB CERTIFIED NEBB CONTRACTOR. AIR QUANTITIES IN MAIN DUCT SHALL BE MEASURED BY PITOT TUBE TRAVERSES. OUTLET AND INLET AIR QUANTITIES SHALL BE DETERMINED IN ACCORDANCE WITH NEBB PROCEDURES. THE NEBB TAB FIRM SHALL PROVIDE A CERTIFICATE OF CONFORMANCE CERTIFICATION TO THE OWNER.
9. UNLESS DIMENSIONED, THE WORK SHOWN ON THE CONTRACT DRAWINGS IS DIAGRAMMATIC, ILLUSTRATING THE GENERAL ARRANGEMENT. CONTRACTOR SHALL ADHERE TO ARRANGEMENT SHOWN AS CLOSELY AS THE ACTUAL CONSTRUCTION WILL PERMIT.
10. CONTRACTOR SHALL VERIFY EXACT EQUIPMENT DIMENSIONS, CLEARANCES, AND FIELD DIMENSIONS RELATIVE TO LOCATIONS OF STRUCTURAL FRAMING. CHANGES REQUIRED IN ROUTING OR SIZES OF DUCTWORK TO MAKE WORK SHOWN CONFORM TO PROJECT REQUIREMENTS RESULTING FROM FIELD COORDINATION PROBLEMS SHALL BE IDENTIFIED, ILLUSTRATED, AND SUBMITTED TO THE ENGINEER FOR PRIOR REVIEW AND APPROVAL BEFORE INSTALLATION.

MECHANICAL SYMBOLS

18"X12"	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
12"Ø	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	ROUND (OR OVAL) ELBOW
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
SD-A / 12 Ø / 450	DIFFUSER OR GRILLE TYPE BRANCH DUCT & NECK SIZE CFM
	MANUAL BALANCE DAMPER
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN
(S)	REMOTE TEMPERATURE SENSOR
(H)	HUMIDISTAT AND SENSOR
(D)	DUCT SMOKE DETECTOR



1 HVAC DEMO PLAN
SCALE: 1/4"=1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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MECHANICAL DEMO PLAN

SHEET M2.1

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