



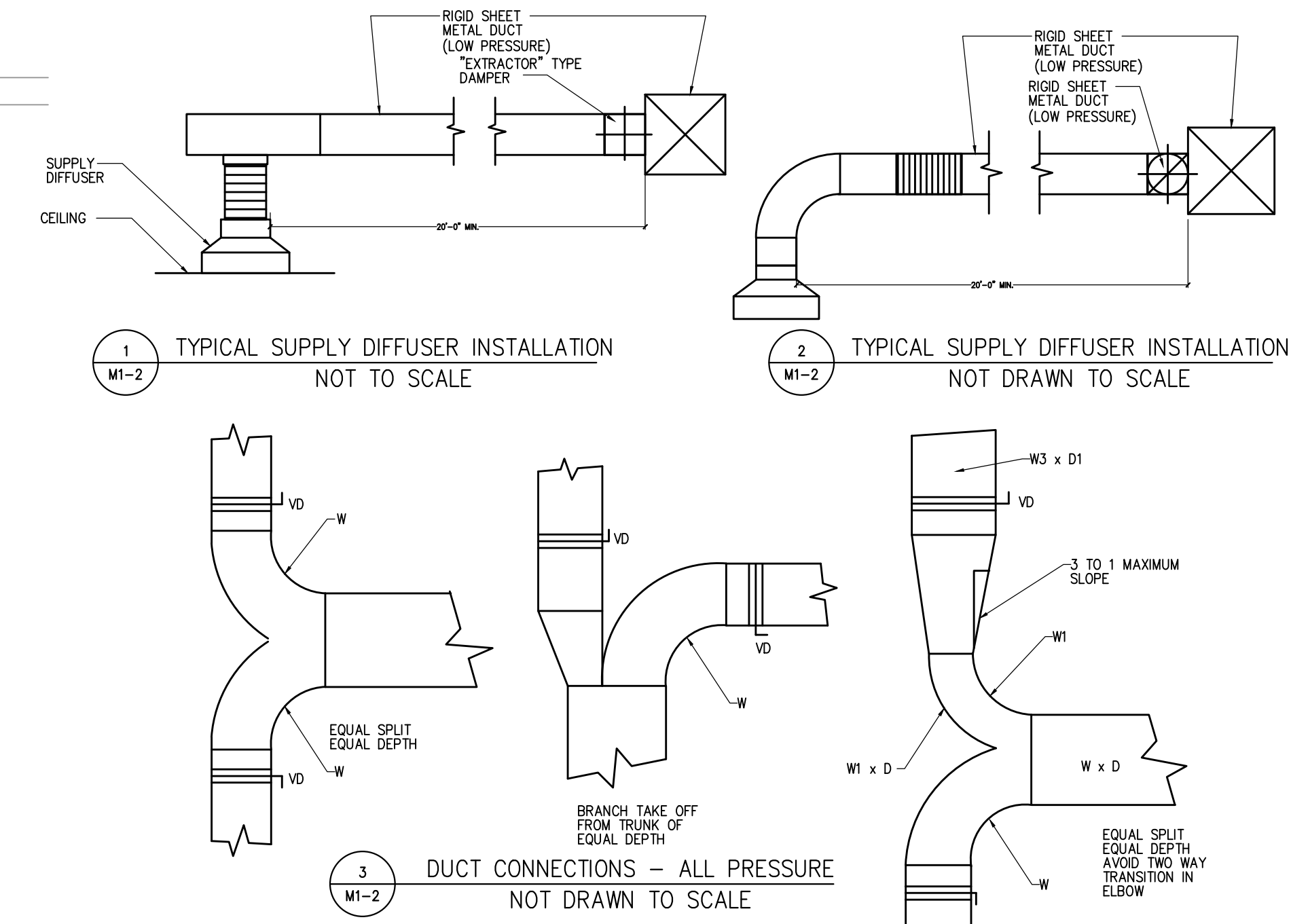
NEW DISMISSING WALL EXISTING LIQUOR STORE WEST CHICAGO, ILLINOIS

LINE LEGEND

---	RETURN
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- KEY NOTES**
- (3)6 TON ROOFTOP UNIT. VERIFY EXACT LOCATION IN FIELD UNITS ARE EQUIPPED W/ BAROMETRIC RELIEF ECONOMIZER, SET TO 360 CFM O.A.
 - EXHAUST FAN ON THE CEILING. TERMINATE THRU ROOF, PROJECT MIN. 3'-0"; ABOVE ROOF LINE. INSTALL BACK-DRAFT DAMPER. INSTALL SWITCH W/ MOTION DETECTOR. SET TO 15 MIN. TIME DELAY.
 - 7-DAY PROGRAMMABLE THERMOSTAT @ 5'-6" A.F.F. INSTALL SECURITY BOX.

- MECHANICAL SPEC. AND NOTES**
- THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT AND LOCATION OF THE WORK INCLUDED. WORK INDICATED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED, SHALL BE PROVIDED, INCLUDING THESE DETAILS WITHOUT EXTRA COST.
 - ALL PERMITS, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY THE MECHANICAL CONTRACTOR AT OWN EXPENSE.
 - SUBMIT EQUIPMENT SPECIFICATIONS TO ARCHITECT BEFORE PURCHASE.
 - HVAC CONTRACTOR PRIOR TO BIDDING, SHALL VISIT THE JOB SITE AND DETERMINE TO WHAT EXTENT EXISTING CONDITIONS WILL AFFECT HIS WORK AND SHALL MAKE NECESSARY ALLOWANCES IN HIS PROPOSAL TO COVER ANY EXPENDITURE REQUIRED TO PERFORM HIS WORK.
 - HVAC CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY FOR THE WORK, COMPLETE AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
 - HVAC CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AFTER COMPLETION AGAINST ALL DEFECT OF MATERIAL, EQUIPMENT AND WORKMANSHIP.
 - HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATING REGISTER/GRILLE LOCATION WITH ARCHITECT'S PLANS.
 - HVAC CONTRACTOR WILL BE HELD RESPONSIBLE FOR IDENTIFYING AND INCLUDING ANY AND ALL ITEMS NOT INDICATED MECHANICAL HVAC SYSTEM.
 - HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATED HIS WORK WITH THE WORK OF ALL OTHER TRADES.
 - HVAC CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING FIELD CONDITIONS, WHICH MAY AFFECT HIS WORK BEFORE SUBMITTING BIDS.
 - HVAC CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ANY MINOR INTERFERENCE, INCLUDING CONDUIT, HANGERS, ETC. NO ADDITIONAL COST TO OWNER.
 - ALL FINAL POWER (LINE VOLTAGE) WIRING OF ALL EQUIPMENT WILL BE DONE BY ELECTRICAL CONTRACTOR.
 - ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, THESE CODES SHALL BE FOLLOWED AS MINIMUM PROVIDING HIGHER GRADES OF MATERIAL AND WORKMANSHIP WHERE REQUIRED.
 - ANY CUTTING AND PATHING THRU RATED WALL SHOULD BE DONE WITH SLEEVES AND CAULK.
 - PROVIDE ALL HOLE AND SLEEVES FOR INSTALLATION OF MECHANICAL WORK.
 - ALL NEW EQUIPMENT SHALL BE CLEANED AND ADJUSTED AS REQUIRED TO OPERATE SATISFACTORILY AND WITNESSED BY BUILDING PERSONAL.
 - ALL DUCTWORK SHALL BE PRIME FIRST QUALITY GALVANIZED STEEL SHEETS GAUGES OF METAL SPACING, ETC. SHALL CONFORM TO LATEST EDITION OF "SMACNA" CONSTRUCTION STANDARDS FOR DUCTWORK.
 - NEW LOW PRESSURE SUPPLY DUCTS SHALL BE LINED WITH 1" THICK 1.5 # DENSITY FIBERGLASS DUCT LINER. DUCT LINER SHALL MEET THE REQUIREMENTS OF NFPA BULLETIN 90-A AND SHALL BE LABELED UL.
 - FINAL THERMOSTAT LOCATION TO BE DETERMINED BY ARCHITECT.
 - MECHANICAL CONTRACTOR TO PROVIDE CONTROL WIRING FOR EQUIPMENT.
 - NO FLEXIBLE DUCT CONNECTIONS SHALL BE MADE.
 - PROVIDE GAS SYSTEM IN ACCORDANCE WITH THE INTENT OF CONSTRUCTION DOCUMENTS.
 - GAS PIPING SHALL INCLUDE DIRT LEG, COCKS, REGULATORS, VENT PIPING, ETC. GAS PIPING SHALL BE SCHEDULED 40 BLACK STEEL PIPING AND WALLEABLE IRON FITTINGS.
 - ALL GAS SYSTEM VALVES TO BE LUBRICATED PLUG VALVES ROCKWELL NORSTONE OR EQUAL. PROVIDE TWO OPERATING WRENCHES FOR EACH VALVE.
 - PROVIDE SAFETY SHUT-OFF IN THE INCOMING GAS PIPE.
 - TEST THE GAS PIPING BY MEANS OF AN AIR PUMP AND MERCURY GAUGE TO A PRESSURE EQUAL TO THE MAINTENANCE OF A COLUMN OF MERCURY, 12" HIGH FOR A PERIOD OF 10 MINUTES. CONDUCT THE TEST IN THE PRESENCE OF ALL REQUIRED INSPECTORS.
 - TRANSFER DUCTS WORK TO BE GALVANIZE SHEET METAL W/ LOCK TYPE DAMPERS.
 - TRANSFER DUCTS NOT TO EXCEED FIVE FEET IN LENGTH.
 - MECHANICAL CONTRACTOR TO MOUNT NEW 7 DAY PROGRAMMABLE THERMOSTAT AT 4'-0" A.F.F.
 - MECHANICAL CONTRACTOR TO FURNISH AND INSTALL C.O. DETECTORS IN ALL FURNACE ROOM.
 - MECHANICAL CONTRACTOR TO VERIFY LOCATION OF NEW GRILLES AND REGISTERS WITH THE ARCHITECT.
 - MECHANICAL CONTRACTOR TO MOUNT APPROVED HANGERS TO SUPPORT DUCTS, AT INTERVALS NOT EXCEEDING 10'-0".
 - ALL HOODS AND DUCTS MUST BE 14 GAUGE BLACK IRON OR 18 GAUGE STAINLESS STEEL.
 - FANS TO BE SUPPLIED WITH WALL SWITCH CONTROL AND DAMPER.
 - ALL SUPPLY AND RETURN REGISTERS TO HAVE OPPOSED BLADE VOLUME DAMPERS OPERABLE FROM FACE OF REGISTER.
 - ALL DUCT FITTINGS TO BE DESIGNED FOR LOW NOISE LEVEL AND PRESSURE DROP.
 - ELECTRICAL WIRING TO THE HVAC EQUIPMENT BE DONE BY THE ELECTRICAL CONTRACTOR.
 - MINIMUM SEPARATION BETWEEN OUTSIDE AIR AND EXHAUST AIR OPENING SHALL BE 10'-0".
 - CONTROL WIRING SHALL BE DONE BY MECHANICAL CONTRACTOR.
 - REMOVE ALL DEBRIS IN AREAS AFTER JOB COMPLETION.
 - ANY FLUES SHALL TERMINATE 3'-0" ABOVE ROOF.
 - ALL WORK IS CONFORM TO LOCAL MECHANICAL CODE.
 - ALL MECHANICAL SHALL COMPLY ALL REQUIREMENTS OF 2006 IMC.
 - ECONOMIZER AND MAKE AIR UNITS WILL NEED TO SHUT OFF WHEN BUILDING IS UNOCCUPIED.
 - TEST AND BALANCE REPORT SHALL BE DONE BY AN APPROVED, CERTIFIED TEST AND BALANCE CONTRACTOR, AND COPY OF REPORT SHALL BE SUBMITTED TO THE VILLAGE BUILDING DIVISION FOR APPROVAL PRIOR TO OCCUPANCY INSPECTION.
 - PROVIDE ALL DOCUMENTATION REQUIRED BY 2018 IECC NUMERAL C408.2.5 WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.
 - ALL HVAC PIPING SHALL BE INSULATED IN ACCORDANCE WITH IECC WITH TABLE 403.11.3



- EXHAUST FAN NOTES**
- FAN TO BE SUPPLIED WITH WALL SWITCH CONTROL.
 - FAN TO FIT DUCT WITH ROOF/WALL TERMINATION KIT.
 - FAN MUST BE VENTED DIRECTLY TO OUTSIDE AIR.

EXHAUST FAN SCHEDULE

TAG	QTY	MFG	MODEL No.	SERVICE	LOCATION	C.F.M.	PR. (IN)	F.R.P.M.	POWER hp	FLA (A)	DAMPER	DRIVE	SONES	REMARKS
TEF-1	2	-	SP-110	RESTROOM	CEILING	100	0.10	1100	-	-	YES	DIRECT	3.2	EXISTING

REFRIGERATION SCHEDULE

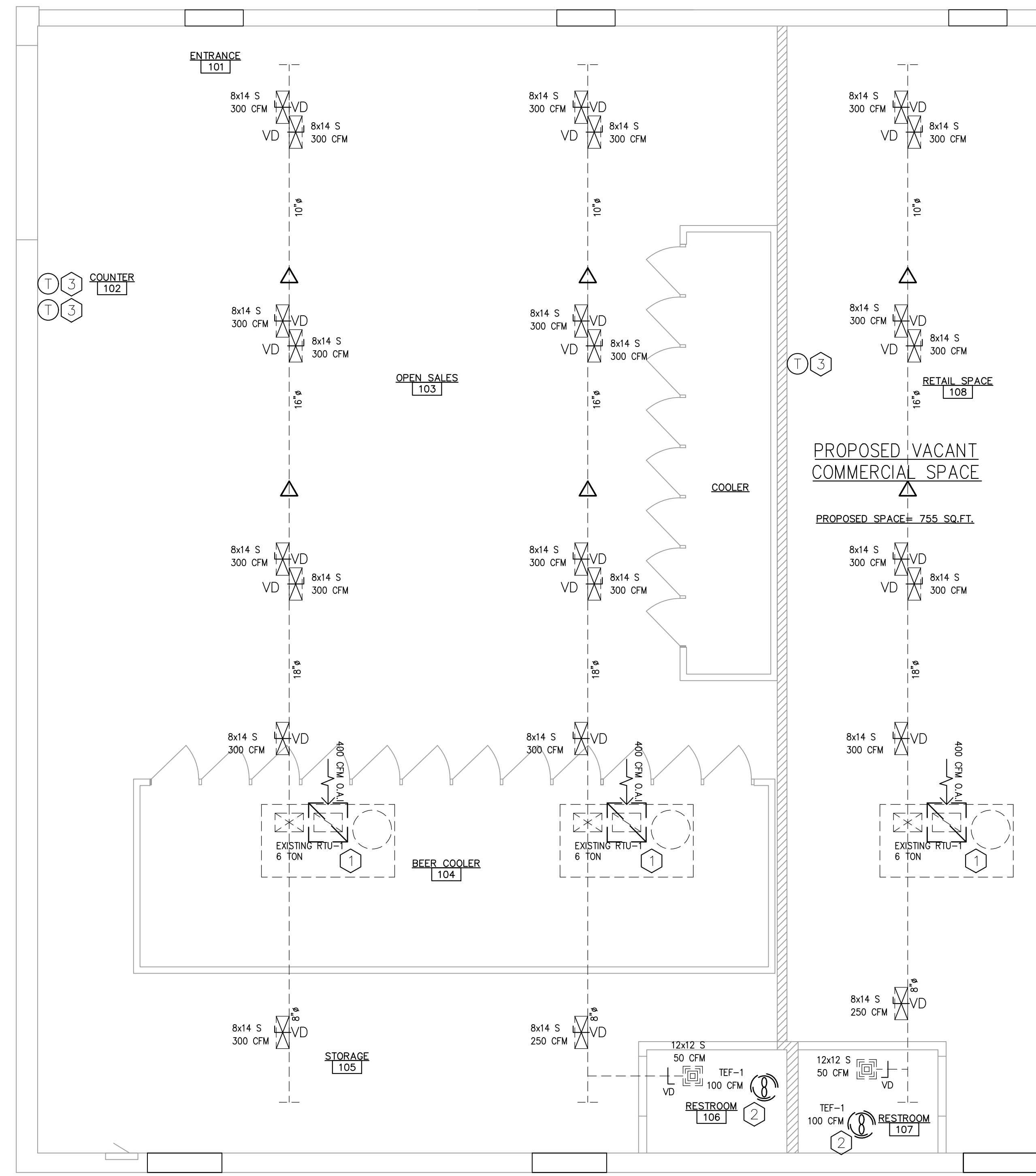
NAME	#	NO. OF COMP.	COMP. TON.	COMP. H.P.	REFRIGERANT	WT. REFRIGERANT	REMOTE	SELF CONTAINED	LOCATION	AIR COOLED	COMPRESSOR TYPE	REMARKS
ROOF TOP UNIT	3	1	6.0	6.0	R-22	5.8 LBS	*	YES	ROOF	YES	HERMETIC	EXISTING
WALK-IN COOLER	1	1	0.5	0.5	R-290	0.75 LBS	*	YES	SERVICE AREA	YES	HERMETIC	EXISTING
COOLER	1	1	0.5	1/2	R-290	0.75 LBS	*	YES	SERVICE AREA	YES	HERMETIC	EXISTING
ICE BOX	1	1	0.50	1/2	R-404A	0.85 LBS	*	YES	SERVICE AREA	YES	HERMETIC	EXISTING
DISPLAY COOLER	3	1	0.5	1/2	R-290	0.75 LBS	*	YES	SERVICE AREA	YES	HERMETIC	EXISTING

ROOFTOP UNIT SCHEDULE

TAG	QTY	TON	MFG	MODEL No.	SERVICE	LOCATION	C.F.M.	R.P.M.	PRESS. (IN)	FAN H.P.	COOLING BTUH (SENSIBLE)	COOLING BTUH (TOTAL)	SEER	HEATING BTUH (INPUT)	HEATING BTUH (OUTPUT)	AJUE	VOLT/PHASE	MCA	LRA	MOCF	UNIT WT. (LBS.)	REMARKS
RTU-1,2&3	3	6.0	YORK	D2CC072N09925EBA	ALL	ROOF	2,400	1193	0.90	1	-	78,100	13.0	100,000	80,000	80	208/3/60	34	146	50	730 TOTAL	EXISTING

VENTILATION SCHEDULE

ROOM #	ROOM NAME	OCCUPANCY CLASSIFICATION	AREA (SQ.FT.)	OCCUPANT LOAD (PERS/1000SF)	OUTDOOR AIR (CFM/PERS.)	OUTDOOR AIR REQUIRED (CFM)	SUPPLY (CFM)	OUTDOOR AIR PROVIDED	REMARKS	SUPPLY FAN SYSTEM	EXHAUST FAN SYSTEM
101	ENTRANCE	CORRIDOR	39	0	0.05	2	300	45	OPEN TO 102&103	RTU-1	
102	COUNTER	COUNTER	193	0	0.3	58	300	45	OPEN TO 101&103	RTU-1	
103	OPEN SALES	SALES	1143	0	0.3	343	3900	585	OPEN TO 101&102	RTU-1,2	
104	WALK-IN COOLER	COOLER	331	0	0.15	50	0	0			
105	BACKROOM	STORAGE	477	0	0.15	72	550	83	OPEN TO 102	RTU-1,2	
106	RESTROOM	TOILET ROOM	44	0	0.05	2	50	8		RTU-2	TEF-1
107	RESTROOM	TOILET ROOM	44	0	0.05	2	50	8		RTU-3	TEF-1
108	RETAIL SPACE	SALES	712	0	0.3	214	2350	588		RTU-3	
TOTAL			2944			740	7200	1315			



MECHANICAL PLAN SCALE 1/4"=1'-0"

1	FOR LANDLORD APPROVAL	1/22/2024
NO.	REVISIONS	DATE
DSGN.	HB	CHKD. HB
DWN.	HB	
SCALE: AS SHOWN		
SHEET TITLE :		
MECHANICAL PLAN		
PROJECT NO.	SHEET NO.	
8003	8003	
DATE	01/17/2024	
	M1-1	

I HEREBY CERTIFY THAT THIS PLANS WERE PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH THE CITY OF WEST CHICAGO BUILDING CODE AND ORDINANCES.