

RENOVATION NOTES

- M.C. SHALL FIELD VERIFY ALL EXISTING CONDITIONS AT THE JOB SITE PRIOR TO BEGINNING WORK. NOTIFY FOOD LION CONSTRUCTION SUPERVISOR OF ANY DISCREPANCIES.
- FOR TRANSVERSE JOINTS 12" WIDE AND LARGER, PROPRIETARY DUCT CONNECTORS SHALL BE DUCT MATE OR WARD AND INSTALLED IN COMPLETE ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, DUCT SEALANT TO BE DUCT MATE 440 GASKET TYPE OR EQUAL. ALL DUCTWORK SHALL BE CONSTRUCTED TO A 2" PRESSURE CLASS. FOR TRANSVERSE JOINTS 11" WIDE OR SMALLER, THE ABOVE MAY BE USED, OR REFER TO SMACNA TO DETERMINE PROPER DUCT CONSTRUCTION FOR THE SPECIFIED PRESSURE CLASS.
- ALL LONGITUDINAL SEAMS AND NON-GASKETED TRANSVERSE JOINTS SHALL BE EXTERNALLY SEALED WITH HIGH PRESSURE DUCT SEALER BY UNITED MCGILL OR EQUAL. SEALER SHALL BE APPLIED BY M.C. AND APPROVED BY FOOD LION CONSTRUCTION SUPERVISOR BEFORE DUCT INSULATION IS INSTALLED.
- ALL NEW DUCT SIZES SHOWN ARE "INSIDE-CLEAR" DIMENSIONS. ALL NEW DUCTWORK SHALL HAVE 2", 3/4" PCF, EXTERNALLY WRAPPED INSULATION WITH VAPOR BARRIER (SEE SPECIFICATIONS). ROUTE ALL NEW DUCTWORK AS TIGHT TO ROOF JOISTS AS PRACTICAL. COORDINATE ROUTING TO AVOID CONFLICTS WITH OTHER TRADES.
- M.C. SHALL COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- COORDINATE ALL DIFFUSER AND GRILLE LOCATIONS WITH CEILING GRID AS SHOWN ON ARCHITECTURAL DRAWINGS.
- TEMPERATURE AND HUMIDITY SENSORS AND CONTROLS SHALL BE MOUNTED @ 5'-8" A.F.F. U.N.O. VERIFY MOUNTING HEIGHTS, LOCATIONS, AND CONTROL SETTINGS WITH PROPER FOOD LION CONSTRUCTION SUPERVISOR.
- CONTROL WIRING FOR NEW SENSORS, MOTORIZED DAMPERS, ETC. TO BE FURNISHED AND INSTALLED BY M.C. CONTROL WIRING SHALL BE ROUTED TO ESP/EMOC PANELS UNLESS OTHERWISE INDICATED. E.C. SHALL PROVIDE CONDUIT SYSTEM WITH PULL STRINGS. COORDINATE CONTROL WORK WITH PROPER FOOD LION CONSTRUCTION SUPERVISOR.
- ALL SENSOR CONTROL WIRING SHALL BE SHIELDED (MINIMUM #22 AWG OR LARGER). CONTROL WIRING SHALL BE STRANDED (#14 AWG). DO NOT MIX SENSOR CABLE AND CONTROL WIRING IN SAME CONDUIT.
- M.C. TO COORDINATE DUCTWORK SIZES WITH CLEARANCES ABOVE CEILING. M.C. TO NOTIFY PROPER FOOD LION CONSTRUCTION SUPERVISOR OF ANY CONFLICTS.
- REFER TO SPECIFICATIONS, DIVISION 23 SECTIONS FOR ADDITIONAL MECHANICAL REQUIREMENTS.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR, MATERIAL AND WORKMANSHIP INSTALLED BY HIM UNDER THIS SECTION OF THE SPECIFICATIONS AND TO CORRECT ANY DEFICIENCIES ADJUDGED BY FOOD LION. THIS GUARANTEE SHALL EXTEND FOR A PERIOD OF NOT LESS THAN TWELVE (12) MONTHS FROM THE DATE OF THE FINAL PROJECT ACCEPTANCE BY FOOD LION, AGAINST ANY DEFECTS OR SYSTEM FAILURE. ALL EQUIPMENT MANUFACTURERS' WARRANTIES WHICH EXTEND BEYOND THE FIRST TWELVE (12) MONTHS SHALL BE TRANSFERRED TO FOOD LION. HOWEVER, IT SHALL BE UNDERSTOOD BY ALL PARTIES CONCERNED THAT THE WARRANTIES PERTAIN ONLY TO FURNISHING OF MATERIAL BY THE MANUFACTURER AND SHALL NOT INCLUDE REPLACEMENT LABOR COSTS, UNLESS OTHERWISE DESCRIBED BY THE MANUFACTURER.

SENSOR LEGEND

- ① THERMOSTAT    ⑨ RH RELATIVE HUMIDITY    ⑤p AIR PRESSURE SWITCH  
⑦ TEMPERATURE    ⑤D SMOKE DETECTOR    ⑤AS DISCHARGE AIR SENSOR

ABBREVIATIONS

- AHU AIR HANDLING UNIT    OA OUTSIDE AIR  
AFF ABOVE FINISHED FLOOR    RTU ROOFTOP UNIT (AIR CONDITIONING)

SYMBOL LEGEND

- 20x20 NEW DUCTWORK - SIZE AS INDICATED FIRST DIMENSION IS FACE OF DUCT SHOWN ON PLAN.    CONNECT TO EXISTING  
EDH ELECTRIC DUCT HEATER    U UNDOOR DOOR  
VOLUME DAMPER    X NEW SUPPLY DIFFUSER  
EXISTING DUCTWORK RE-USED IN PLACE.    Z NEW RETURN GRILLE  
MOD MOTOR OPERATED DAMPER (NEW OR EXISTING AS INDICATED)    R RE-USED/RELOCATED EXISTING DIFFUSER

ALL HVAC EQUIPMENT AND CONTROLS SHALL BE PURCHASED FROM SESCO dba MCNAMARA & CO. (336)-996-2220.

OUTSIDE AIR CALCULATION

UNIT	DESCRIPTION	GROSS AREA (SF)	NET OCCUPIED AREA (SF)	# OF PEOPLE/1,000 SF	TOTAL NUMBER OF PEOPLE	CFM/PERSON	CFM/SF	AIR DISTRIBUTION EFFICIENCY	TOTAL REQUIRED OA CFM	DESIGNED OUTSIDE AIR CFM
AHU-1	SUPERMARKET	25,105	18,829	8.0	151	7.5	0.06	1.00	2,259	3,400
RTU-DB										200
TOTAL									2,259	3,600

- NOTES:  
1. ALL EQUIPMENT LISTED IN SCHEDULE IS EXISTING TO REMAIN.  
2. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

AIR-BALANCE SCHEDULE

MARK	MAKE-UP AIR (CFM)	EXHAUST AIR (CFM)	SERVICE
AHU-1	3,400	---	(EXISTING TO REMAIN)
RTU-DB	200	---	(EXISTING TO REMAIN)
EF-1	---	---	MECHANICAL ROOM #1 (SEALED)(EXISTING TO REMAIN)
EF-2	---	---	MECHANICAL ROOM #2 (SEALED)(EXISTING TO REMAIN)
EF-3	---	600	RESTROOMS (EXISTING TO REMAIN)
EF-4	---	300	LOUNGE (EXISTING TO REMAIN)
EF-5	---	250	JANITOR CLOSET (EXISTING TO REMAIN)
EF-6	---	750	RACK OVEN (INTERMITTENT)(NEW)
SF-1	---	---	MECHANICAL ROOM #2 (SEALED)(EXISTING TO REMAIN)
KH-1	---	1,260	DELI-BAKERY HOOD (INTERMITTENT)(EXISTING TO REMAIN)
TOTAL:	3,600	3,160	(+) 440 CFM AIRFLOW

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK	MANUFACTURER	INDOOR MODEL	OUTDOOR MODEL	SERVICE	CFM (HIGH)	NOM. COOLING (MBH)	SEER / HSPF	MCA/MOCP	VOLT/PH	REMARKS
DAHU-1/DHP-1	MITSUBISHI	MSZ-GL09NA	MUZ-GL09NA2	ECOMMERCE RM.	399	9000	24.6 / 12.8	9 / 15	208/1	1 - 6

- NOTES:  
1. CAPACITIES BASED ON STANDARD ARI CONDITIONS.  
2. PROVIDE WITH REMOTE WALL MOUNTED WIRED THERMOSTAT/CONTROLLER.  
3. PROVIDE REFRIGERANT LINESIT.  
4. PROVIDE CONDENSATE PUMP WITH DRAIN OVERFLOW SWITCH TO DISABLE UNIT SHOULD DRAIN PAN OVERFLOW. COORDINATE DRAIN LINE ROUTING AND INSTALLATION WITH SESCO & OWNER'S CONSTRUCTION SUPERVISOR.  
5. PROVIDE LOW AMBIENT CONTROL FOR UNIT OPERATION DOWN TO 0° F.  
6. INDOOR UNIT POWER WIRED FROM THE OUTDOOR UNIT. PROVIDE DISCONNECT ADJACENT TO THE DAHU.

FAN SCHEDULE

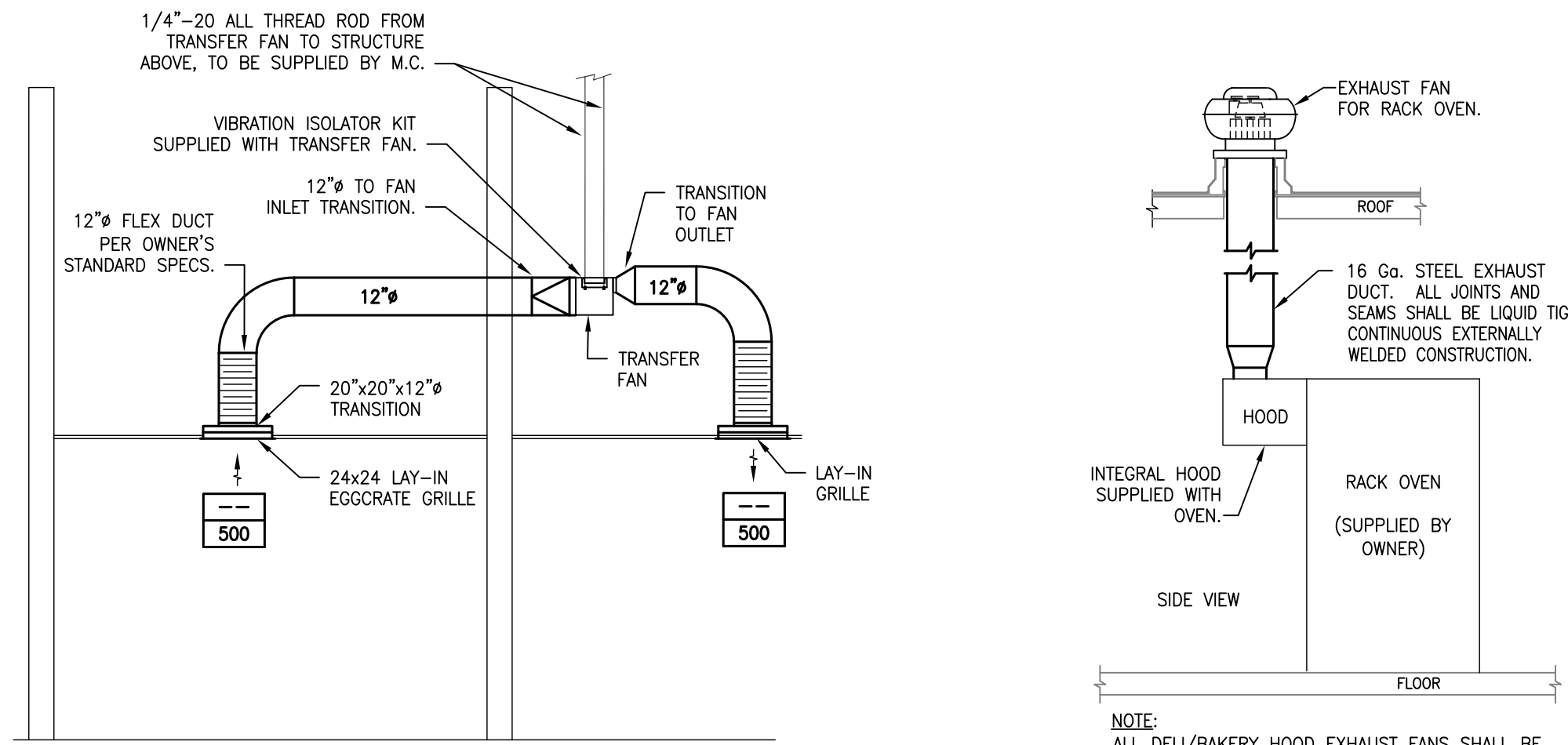
MARK	MANUFACTURER/MODEL NO.	SERVICE	LOCATION	TYPE	AIRFLOW (CFM)	E.S.P. (IN WG)	NOMINAL RPM	DRIVE	HP	WATTS	VOLTS/PH	REMARKS
EF-6	COOK / VCRD150	RACK OVEN	ROOF	UPBLAST	750	0.75	1260	DIRECT	0.334	-	120/1	1
TF-3	COOK / GN642	DEPT. MGRS. OFFICE	CEILING	CABINET	500	0.25	1500	DIRECT	-	174	120/1	2

- NOTES:  
1. EXHAUST FAN SHALL HAVE NEMA DISCONNECT, UNIT MOUNTED SPEED CONTROLLER, HINGED BASE KIT, 12" GREASE TROUGH, ROOF CURB AND U.L. 762 LISTING.  
2. TRANSFER FAN SHALL HAVE PLUG DISCONNECT AND VIBRATION ISOLATOR KIT. TF-4 CONTROLLED BY INLINE THERMOSTAT.

AIR-DISTRIBUTION SCHEDULE

MARK	MANUFACTURER/MODEL NO.	MATERIAL	FRAME	TYPE	PANEL SIZE	CONN. SIZE	REMARKS
S1	--- / ---	---	---	---	---	---	1
S2	METALAIRE / 5500-6	ALUM.	LAY-IN	SUPPLY; DIFFUSER, LOUVER FACE W/APD	24X24	15x15x12#	2
R1	--- / ---	---	---	---	---	---	1
R2	METALAIRE / CC5F-6	ALUM.	LAY-IN	RETURN; GRILLE, FILTER BACK, 1/2x1/2x1/2 CORE	24x24	20x20	2

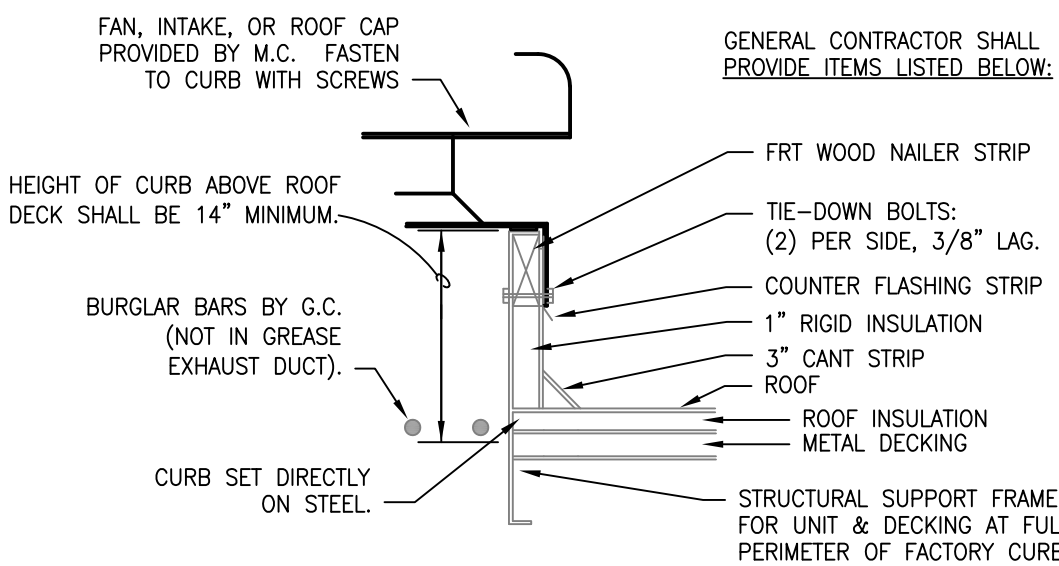
- NOTES:  
1. EXISTING TO REMAIN. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CLEAN & RE-USE.  
2. COLOR OF DEVICES SHALL BE OFF-WHITE UNLESS NOTED OTHERWISE. SESCO TO PROVIDE SQUARE TO ROUND ADAPTER (WHEN REQUIRED).



- NOTE:  
1. TRANSFER FAN SHALL BE CONTROLLED BY AN INLINE THERMOSTAT.  
2. TRANSFER FAN SHALL BE MOUNTED OUTSIDE OF OFFICE PERIMETER.

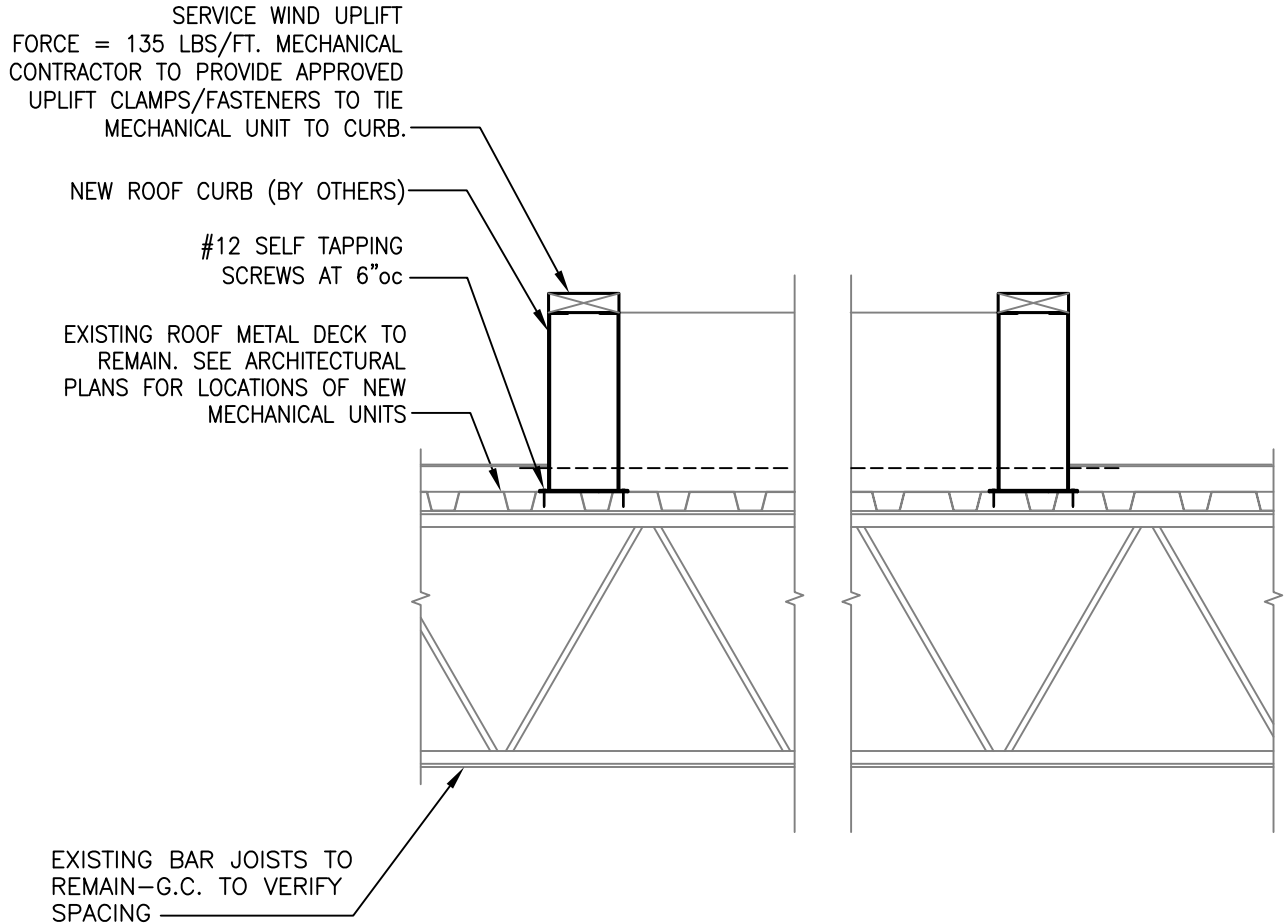
5 TRANSFER FAN INSTALLATION DETAIL  
SCALE: NTS

6 RACK OVEN EXHAUST INSTALLATION DETAIL  
SCALE: NTS

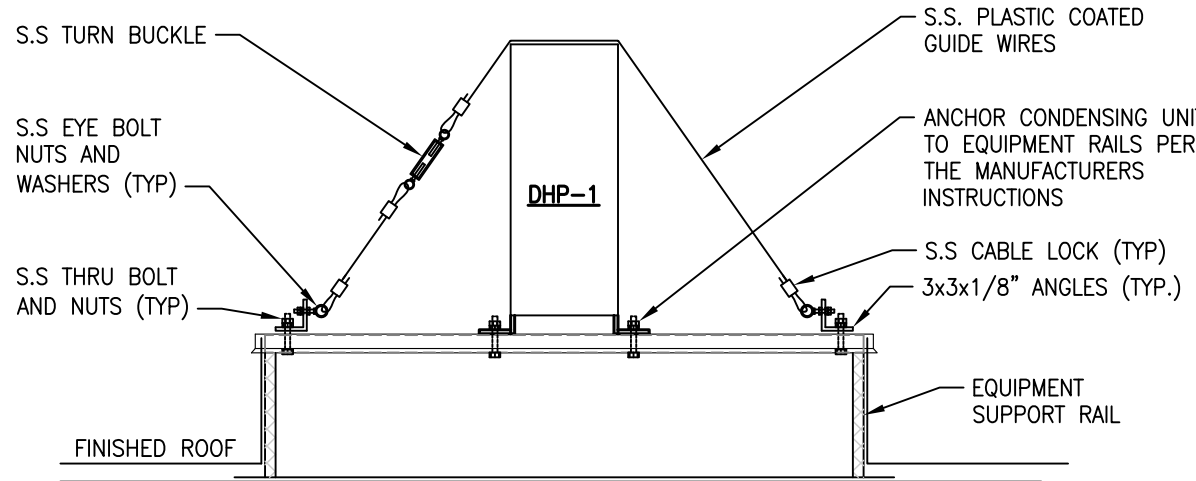


- NOTE:  
G.C. SHALL PROVIDE ALL ROOF CURBS EXCEPT THOSE FOR ROOF TOP UNITS & DELI/BAKERY EXHAUST HOOD FANS.

7 EXHAUST FAN CURB INSTALLATION DETAIL  
NOT TO SCALE

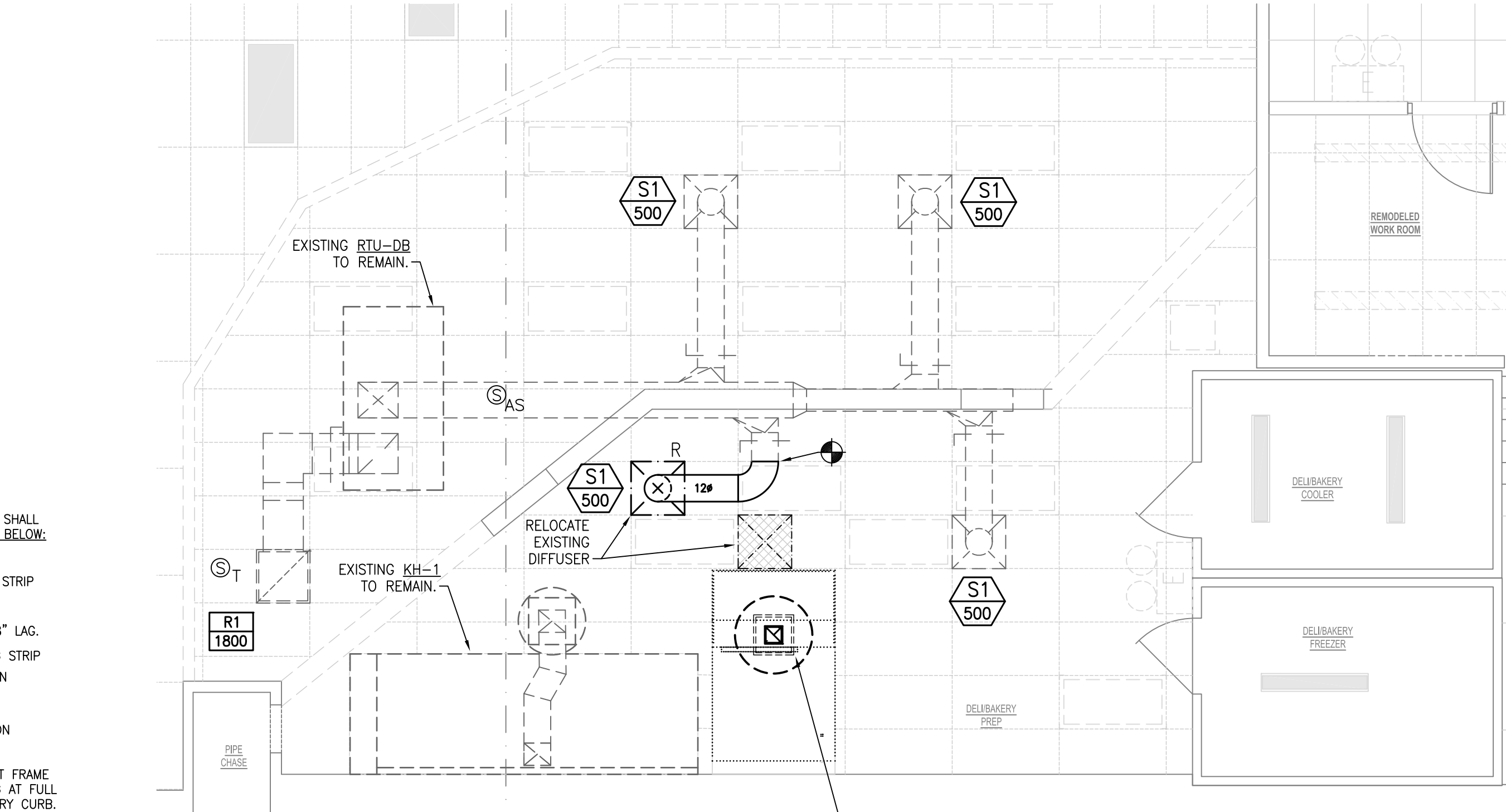


3 ATTACHMENT DETAIL FOR NEW MECH. RAIL  
SCALE: NTS



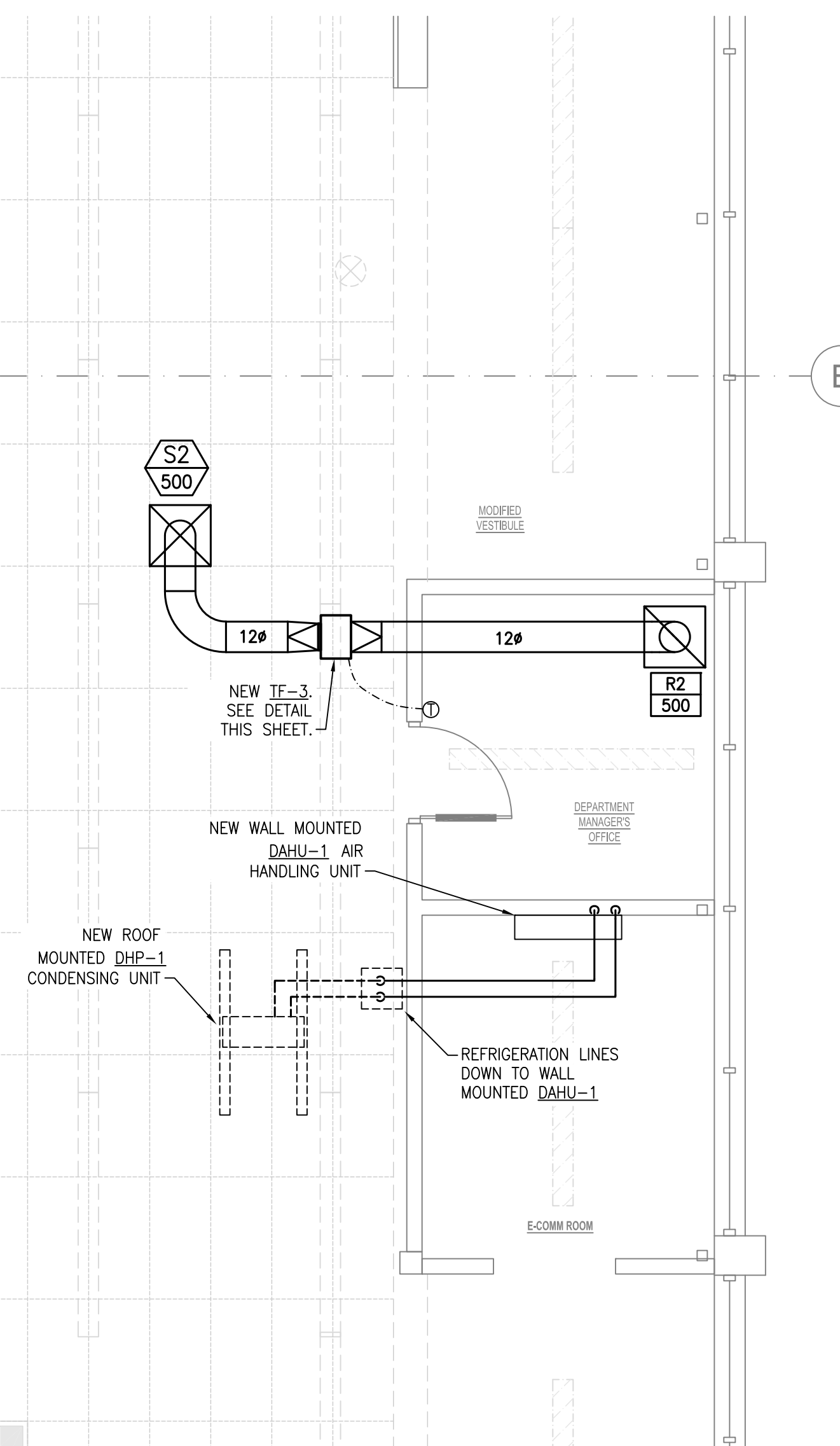
- NOTES:  
1. EQUIPMENT RAILS SHALL BE PATE, MODEL ER-2B RAIL OR EQUAL BY RPS CORP. OR CUSTOM CURBS. RAILS SHALL EXTEND 24" BEYOND EACH SIDE OF CURB.  
2. FIELD PAINT ALL BARE METAL SURFACES WITH A MINIMUM OF 1 COAT OF RUST INHIBITING PRIMER/SEALER AND 2 COATS OF RUST INHIBITING TOP COAT. COORDINATE COLOR OF TOP COAT WITH THE ARCHITECT.

4 MINI-SPLIT CONDENSING UNIT MOUNING DETAIL  
SCALE: NTS



- NEW 8x8 16 GA. WELDED DUCT FROM RACK OVEN HOOD DISCHARGE TO NEW EXHAUST FAN EF-6 ON ROOF. SEE HOOD EXHAUST DUCT NOTES FOR DUCT CONSTRUCTION SPECIFICATIONS. PROVIDE ALL CLEARANCES PER LOCAL CODE.

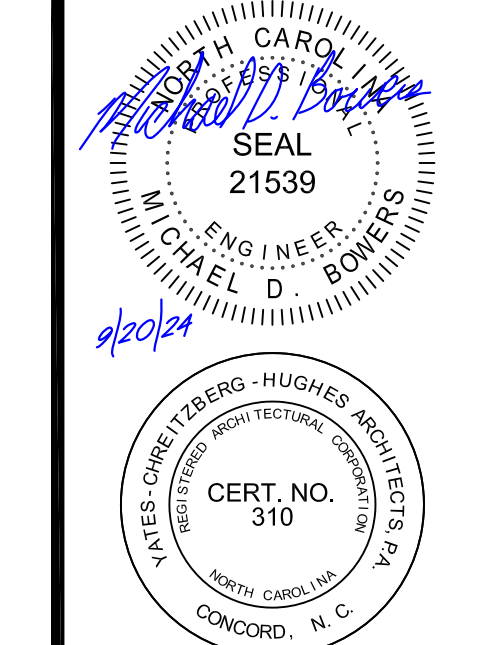
1 DELI/BAKERY MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"



2 ECOMMERCE MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"

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YCHA COM. #: 22423.00

PHASE & DATE:  
**Construction Documents**  
**09-20-2024**

REVISIONS:

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MECHANICAL FLOOR PLAN

MECHANICAL:

**M1.01**