

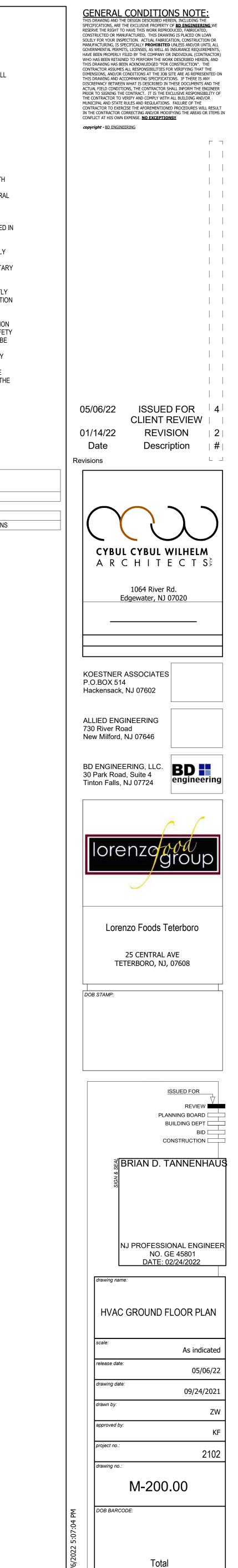
# GENERAL NOTES:

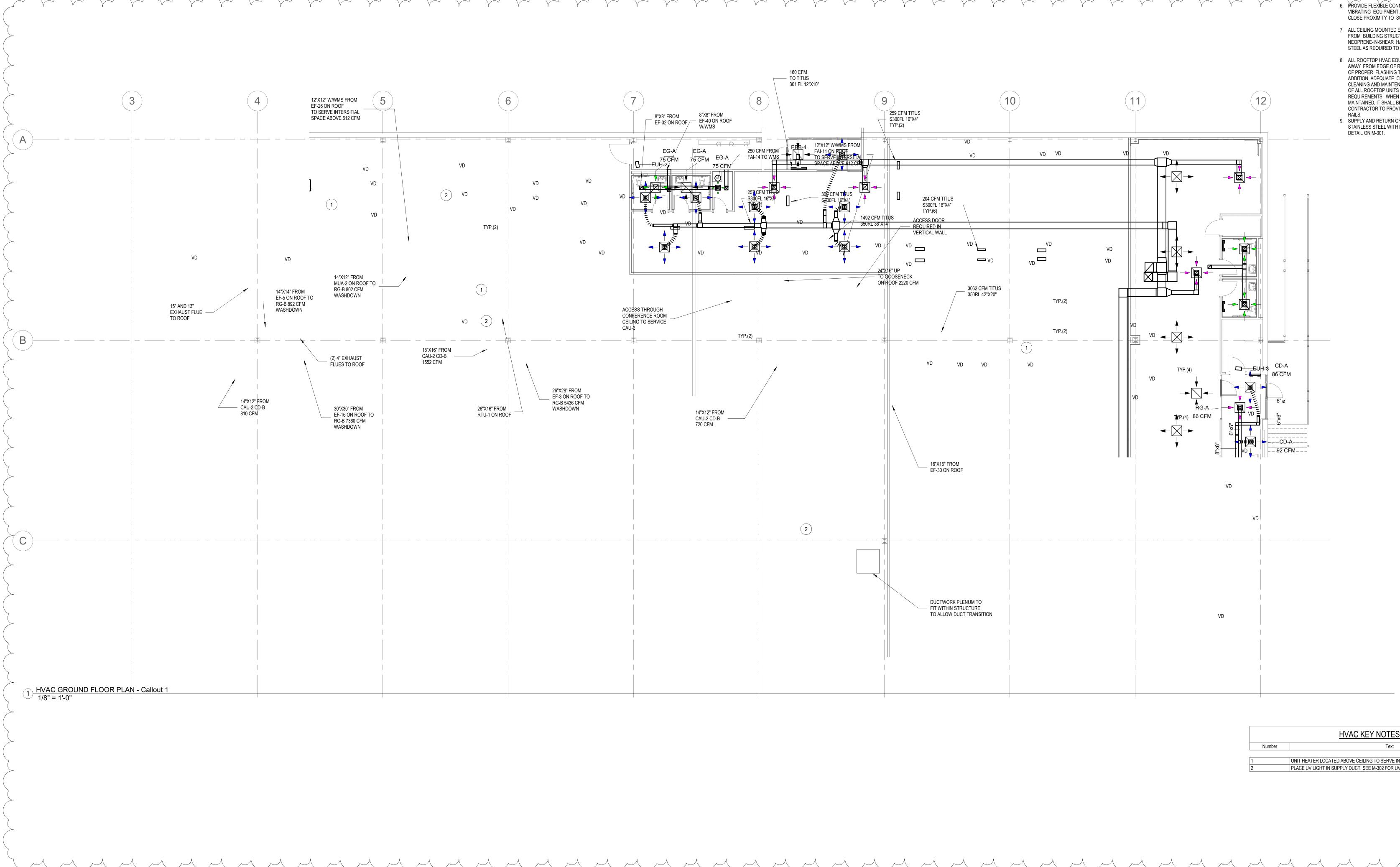
- THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL SYSTEMS.
- 2. VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
- 3. PROVIDE DISCONNECT SWITCHES FOR ALL HVAC EQUIPMENT INCLUDING WEATHERPROOF DISCONNECT AS REQUIRED.
- PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
- 5. THE FINAL LOCATION OF AIR DEVICES MUST BE COORDINATED WITH THE REFLECTED CEILING PLAN AND ALL OTHER MECHANICAL, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, AND STRUCTURAL SYSTEMS.
- 6. PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTIONS SHALL BE INSTALLED IN

CLOSE PROXIMITY TO SUCH EQUIPMENT.

- 7. ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
- 8. ALL ROOFTOP HVAC EQUIPMENT SHALL BE INSTALLED SUFFICIENTLY AWAY FROM EDGE OF ROOF SO AS TO ALLOW FOR THE INSTALLATION OF PROPER FLASHING TO ENSURE A WEATHER TIGHT SEAL. IN ADDITION, ADEQUATE CLEARANCES SHALL BE PROVIDED FOR CLEANING AND MAINTENANCE REQUIREMENTS. THE FINAL LOCATION OF ALL ROOFTOP UNITS MUST ALSO COMPLY WITH ALL OSHA SAFETY REQUIREMENTS. WHEN MINIMUM REQUIRED DISTANCE CAN NOT BE MAINTAINED, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL CODE COMPLIANT SAFETY
- RAILS.
  9. SUPPLY AND RETURN GRILLES FOR WASHDOWN VENTILATION ARE STAINLESS STEEL WITH MOTORIZED DAMPERS AND A DRAIN. SEE THE DETAIL ON M-301.

	HVAC KEY NOTES
Number	Text
	UNIT HEATER LOCATED ABOVE CEILING TO SERVE INTERSTITIAL SPACE
	PLACE UV LIGHT IN SUPPLY DUCT. SEE M-302 FOR UV LIGHT SPECIFICATIONS





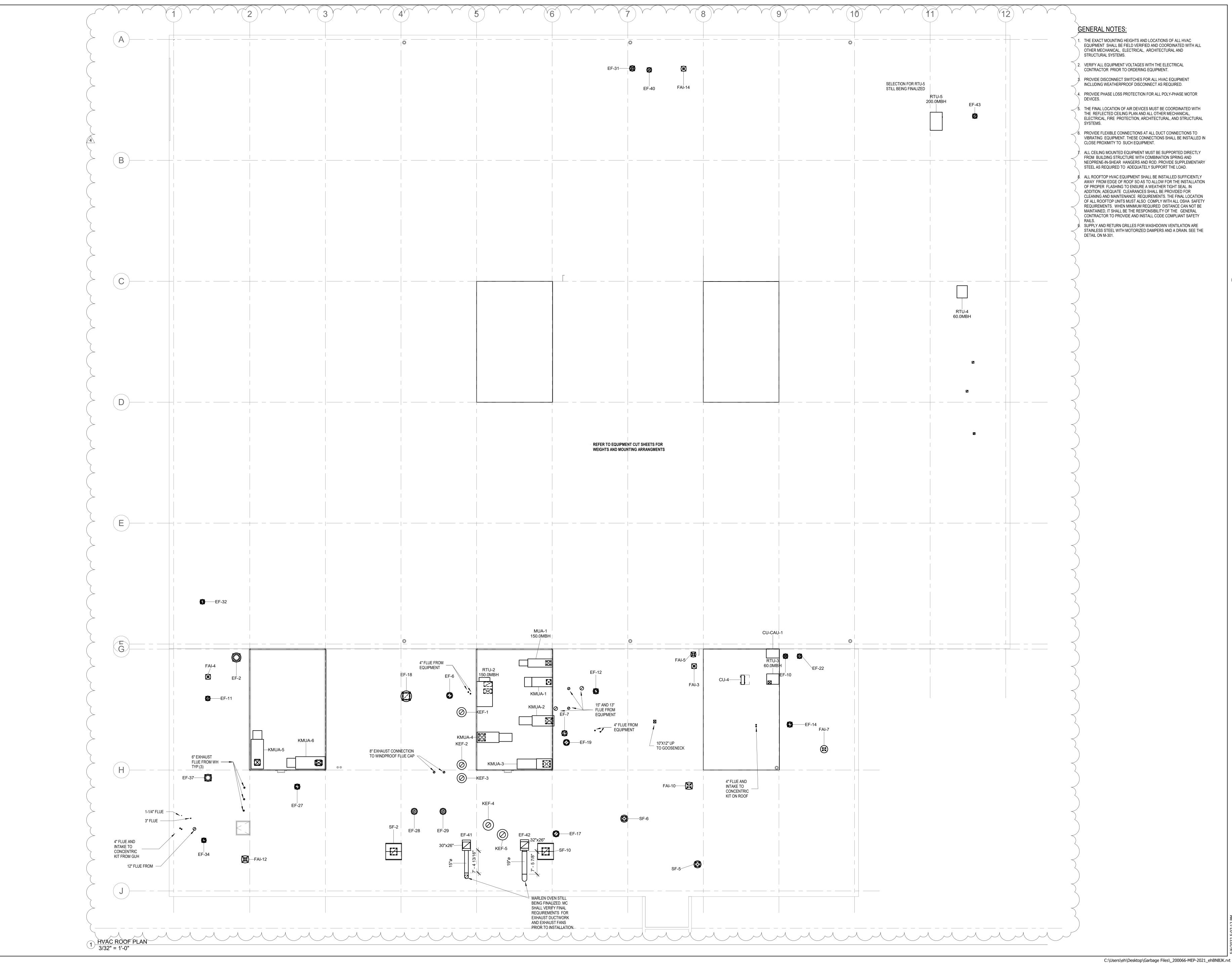
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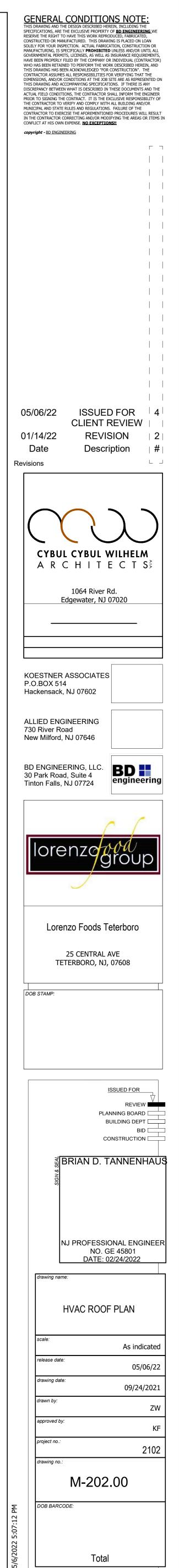
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- 8. ALL ROOFTOP HVAC EQUIPMENT SHALL BE INSTALLED SUFFICIENTLY AWAY FROM EDGE OF ROOF SO AS TO ALLOW FOR THE INSTALLATION OF PROPER FLASHING TO ENSURE A WEATHER TIGHT SEAL. IN ADDITION, ADEQUATE CLEARANCES SHALL BE PROVIDED FOR CLEANING AND MAINTENANCE REQUIREMENTS. THE FINAL LOCATION OF ALL ROOFTOP UNITS MUST ALSO COMPLY WITH ALL OSHA SAFETY
- REQUIREMENTS. WHEN MINIMUM REQUIRED DISTANCE CAN NOT BE MAINTAINED, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL CODE COMPLIANT SAFETY RAILS 9. SUPPLY AND RETURN GRILLES FOR WASHDOWN VENTILATION ARE
- STAINLESS STEEL WITH MOTORIZED DAMPERS AND A DRAIN. SEE THE DETAIL ON M-301.

UNIT HEATER LOCATED ABOVE CEILING TO SERVE INTERSTITIAL SPACE PLACE UV LIGHT IN SUPPLY DUCT. SEE M-302 FOR UV LIGHT SPECIFICATIONS

Text







HVAC ROOFTOP UNIT SCHEDULE	
SENSIBLE SENSIBLE	DOLING DATA     ELECTRICAL SECTION     MISCELLANEOUS SECTION       NTERING AIR     COMPRESSOR     MINIMUM CIRCUIT     MAXIMUM OVERCURRENT     A     EFFICIENCY SEER/EBR/HSPF/C
	NTERING AIR IPERATURE DB       COMPRESSOR QTY       COMPRESSOR QTY       VOLTAGE       PHASE       MINIMUM CIRCUIT AMP       OVERCURRENT PROTECTION       MAX FUSE       MEIGHT       SEER/EER/HSPF/C OP/AFUE%       NOTES         00°F       58.00°F       1       208       3       48.0       60.0       1608.0 lb       R410A       14.7/12.4       1-10,12-21
RTU-3         101,103,104,105,110,125         TRANE         4YCC4024A1060A         800 CFM         .4         70 CFM         3/1         NAT GAS         1         60.0         48.6         4.5"-14"         23.0         .4           RTU-4         166,190,191,192,193,194,195         TRANE         4YCC4024A1060A         800 CFM         .4         98 CFM         3/1         NAT GAS         1         60.0         48.6         4.5"-14"         23.0         .4	No. 1     Color 1       1     208     1     19.1     30.0     432.0 lb     R410A     14/11.3     1-10,12-21       1     208     1     19.1     30.0     432.0 lb     R410A     14/11.3     1-6,8-21       0° F     0.0 °F     1     0.0     0.0     0.0 lb     1     1.0
1. SELECTION IS BASED ON PACKAGED ROOFTOP UNIT WITH DX COOLING       12. MOTOR/BLOWER VIBRATION ISOLATION	
2. 30% FILTERS       13. AIR FLOW PROVING SWITCH         3. WEATHERPROOF DISCONNECT SWITCH       14. TIMED-FREEZE PROTECTION         4. ULTRA HIGH EFFICIENCY BLOWER MOTOR       15. STEP-DOWN TRANSFORMER         5. HIGH CAPACITY DX COIL       16. RAINHOOD W/ INSECT SCREEN	HVAC DIFFUSER SCHEDULE
6. 1" DEFLECTION SPRINGS FOR SUPPLY AIR BLOWER ASSEMBLY 7. MOUNT ON DUNNAGE 8. ALUMINIZED STEEL GAS HEAT EXCHANGER 17. DOWNWARD DISCHARGE 18. UV LIGHTS IN SUPPLY DUCT 19. DISCHARGE SENSOR TIED TO DDC SYSTEM	TAG       SERVICE       DESCRIPTION       DIFFUSER SIZE       MANUFACTURER       NOTES         CD-A       SUPPLY       ALUMINUM SQUARE PLAQUE DIFFUSER, FIXED DISCHARGE, OPPOSED BLADE DAMPER       24" X 24"       TITUS OMNI-AA       1-6
9. PROVIDE A SMOKE DUCT DETECTOR FAN FOR SHUTDOWN. COORDINATE WITH THE FIRE ALARM CONTRACTOR. 10. COLD START UP KIT 11. PROVIDE A CURB AND POSITIVELY ATTACH THE UNIT TO THE STRUCTURE BELOW. COORDINATE WITH THE ARCHITECT AND/OR STRUCTURAL ENGINEER. THE CURB AND UNIT SHALL WITHSTAND THE WIND LOAD AS SHOWN IN THE CODE REVIEW SECTION ON THE HVAC COVERSHEET 9. DUAL ENTHALPY ECONOMIZER 20. DUAL ENTHALPY ECONOMIZER 21. PROVIDE CONDENSATE PIPING WITH TRAP TO DISCHARGE ONTO SPLASH BACK 21. PROVIDE CONDENSATE PIPING WITH TRAP TO DISCHARGE ONTO SPLASH BACK 21. PROVIDE CONDENSATE PIPING WITH TRAP TO DISCHARGE ONTO SPLASH BACK	CD-CSUPPLYALUMINUM SQUARE PLAQUE DIFFUSER, FIXED DISCHARGE, OPPOSED BLADE DAMPER12"X12"TITUS OMNI-AA1-6EG-AEXHAUSTPERFORATED FACE DIFFUSER, 3/16" HOLES, OPPOSED BLADE DAMPERSEE DWGTITUS PAR-AA1-6LO-1BOILER ROOMRUSKIN1-2
HVAC INDOOR AIR HANDLER UNIT SCHEDULE	LO-2BOILER ROOMRUSKIN1-2LO-3AIR COMPRESSORRUSKIN1-2
FAN SECTION     HEATING SECTION       OUTDOOP AIR     SUPPLY FAN	MISCELLANEOUS SECTION     MISCELLANEOUS SECTION       REFRIGERANT     EFFICIENCY SER/EER/HSPF/C
TAG       SERVICE       MANUFACTURER       MODEL       OUTDOOR AIR SUPPLY CFM'S       SUPPLY CFM'S       OUTDOOR AIR CFM       E.S.P (W.C)       SUPPLY FAN HP/QTY       TOTAL COOLING CAPACITY(MBH)       FUEL       STAGES       OUTPUT MBH       VOLTAGE       PHASE       FLA       OVERCURRENT PROTECTION       MINIMUM CIRCUIT AMP       MAX FUEL         AHU-4       IT ROOM       TRANE       TPKA0A0241KA70A       775       0 CFM       C       24.0       ELEC       N/A       0.0       208       1       C       C       C       C       C	
1. TO BE SUPPLIED WITH STANDARD 2" THROWAWAY FILTERS	NOTES:
2. SUPPLY WITH CONDENSATE PUMP, LITTLE GIANT VCMA-15 OR EQUAL PIPED TO NEAREST AVAILABLE DRAIN 3. SUPPLY WITH 7-DAY PROGRAMMABLE THERMOSTAT 4. POWERED BY CONDENSING UNIT	1. COORDINATE DIFFUSER MOUNTING TYPE WITH CEILING, DUCT OR WALL TYPE       TABLE 1 -ROUND NECK SIZE SCHEDULE         2. COORDINATE DIFFUSER FINISH WITH OWNER OR OWNER'S REPRESENTATIVE       1 TO 150 CFM - 6" DIAMETER       CD-B AND RG-B ARE         3. ORIENT DIFFUSER TO DIRECT AIRFLOW AT WINDOW OR WALL AND AVOID DISCHARGING       151 TO 275 CFM - 8" DIAMETER       SHOWN ON M-301
5. PROVIDE LOW AMBIENT WIND BAFFLE WB-PA5	DIRECTLY ON OCCUPANTS. 4. MAXIMUM NOISE CRITERION RATING <20 5. MOUNTING FRAME TYPE SHALL BE COORDINATED WITH CEILING CONSTRUCTION TYPE 6. NECK DIAMETER SHALL BE AS SCHEDULED IN TABLE 1 276 TO 380 CFM - 10" DIAMETER 381 TO 500 CFM - 12" DIAMETER 501 TO 700 CFM - 14" DIAMETER 701 TO 900 CFM - 16" DIAMETER
HVAC MAKE-UP AIR UNIT SCHEDULE	
	IMUM CIRCUIT OVERCURRENT
KMUA-1     HOODS     CAPTIVE AIRE     SEE CAPTIVE AIRE DETAILS	AMP       PROTECTION       AFC RATING       Weight       NOTES         Image: AMP       Image: AMP And Image: AMP
KMUA-3       HOODS       CAPTIVE AIRE       SEE CAPTIVE AIRE DETAILS       Image: Capti	Image:
KMUA-5         MARLEN OVEN         CAPTIVE AIRE         SEE CAPTIVE AIRE DETAILS         Image: C	Image: Marcine
1. WEATHERPROOF DISCONNECT SWITCH 8. UV LIGHTS IN SUPPLY DUCT	EBB-5BATHROOMQ-MARK2512W0.40.13.31201 STAT1EBB-6BATHROOMQ-MARK2512W0.40.13.31201 STAT1EBB-7BATHROOMQ-MARK2512W0.40.13.31201 STAT1
2. ULTRA HIGH EFFICIENCY INVERTER DUTY RATED BLOWER MOTOR 3. 1" DEFLECTION SPRINGS FOR SUPPLY AIR BLOWER ASSEMBLY 4. 14" FULL PERIMETER CURB 5. PROVIDE A CURB AND POSITIVELY ATTACH THE UNIT TO THE STRUCTURE BELOW. THE CURB AND UNIT SHALL 12. DOWNWARD DISCHARGE	EUH-1ELECTRICAL ROOMQ-MARKMUH05-81517.024.02081TSTAT1EUH-2SPRINKLER ROOMQ-MARKMUH03-81310.214.52081TSTAT1EUH-3UTILITY ROOMQ-MARKMUH03-81310.214.52081TSTAT1
WITHSTAND THE WIND LOAD AS SHOWN IN THE CODE REVIEW SECTION ON THE HVAC COVERSHEET. 6. PROVIDE A SMOKE DUCT DETECTOR FOR FAN SHUTDOWN. COORDINATE WITH THE FIRE ALARM CONTRACTOR. 7. MOTOR/BLOWER VIBRATION ISOLATION 13. ALUMINIZED STEEL GAS HEAT EXCHANGER	EUH-5CHEMICAL STORAGEQ-MARKMUH03-81310.214.52081TSTAT1EUH-6CHEMICAL STORAGEQ-MARKMUH03-81310.214.52081TSTAT1EUH-13INTERSTITIAL SPACEQ-MARKMUH07-87.525.624.02081TSTAT1
HVAC GAS FIRED UNIT HEATER SCHEDULE	EUH-19INTERSTITIAL SPACEQ-MARKMUH07-87.525.624.02081TSTAT1EUH-20INTERSTITIAL SPACEQ-MARKMUH07-87.525.624.02081TSTAT1EUH-21INTERSTITIAL SPACEQ-MARKMUH07-87.525.624.02081TSTAT1EUH-21INTERSTITIAL SPACEQ-MARKMUH07-87.525.624.02081TSTAT1
Electrical Section     MISC. Section       REQUIRED GAS     REQUIRED GAS	EUH-26         CLEAN STORAGE         Q-MARK         MUH05-81         5         17.0         24.0         208         1         TSTAT         1
GUH-1         KITCHEN DRY STORAGE         REZNOR         UDZ-30         456 CFM         30.0         24.6         7-11" WC         0.66         15         1         1.9         15.0         THERMOSTAT         82.0         58.0 lb         CONCENTRIC         1.6           GUH-2         MECHANICAL ROOM         REZNOR         UDZ-30         456 CFM         30.0         24.6         7-11" WC         0.66         15.0         1.9         15.0         THERMOSTAT         82.0         58.0 lb         CONCENTRIC         1.6           GUH-3         DRY STORAGE         REZNOR         UDZ-30         456 CFM         30.0         24.6         7-11" WC         0.66         15.0         1.9         15.0         THERMOSTAT         82.0         58.0 lb         CONCENTRIC         1.6           GUH-3         DRY STORAGE         REZNOR         UDZ-30         456 CFM         30.0         24.6         7-11" WC         0.66         15.0         1.9         15.0         THERMOSTAT         82.0         58.0 lb         CONCENTRIC         1.6           GUH-3         BOX/PACKAGE STORAGE         REZNOR         UDZ-45         62.0 CFM         45.0         7.41" WC         0.66         15.0         1.0         5.0         1.0         50.0	
1. ELECTRONIC IGNITION AND ENCLOSED MOTOR 2. 4-POINT SUSPENSION KIT	
3. SINGLE STAGE COMBINATION GAS VALVE AND SEPARATED COMBUSTION 4. PROVIDE WITH CC-2 VERTICAL -OR- CC6 HORIZONTAL CONCENTRIC COMBUSTION AIR INTAKE FLUE VENT KIT 5. PROVIDE WITH DIFFERENTIAL AIR PRESSURE SWITCH TO VERIFY COMBUSTION AIR FLOW, POLISHED ALUMINUM REFLECTORS 6. PROVIDE WITH STEP-DOWN TRANSFORMER FOR 24V CONTROLS	
7. FURNISH AND INSTALL CONDENSATE PIPING AND ACID NEUTRALIZER TO NEAREST AVAILABLE DRAIN OR STANDPIPE 8. ATTACH AXIOM NEUTRALIZATION CAPSULE NC-1 9. SUPPLY WITH CONDENSATE PUMP, LITTLE GIANT VCMA-15 OR EQUAL PIPED TO NEAREST DRAIN OR STANDPIPE	
HVAC EXHAUST FAN SCHEDULE	1. INTEGRAL TSTAT 2. REMOTE WALL TSTAT
Image: TAG       SERVICE       MANUFACTURER       MODEL       AIR FLOW       E.S.P (W.C)       RPM       DRIVE       HP       VOLTAGE       PHASE       AMPS       CONTROL       MISCELLANEOUS SECTION         V <td< td=""><td>HEATCRAFT WORLDWIDE REFRIGERATION QUOTE # Stone Mountain Operations</td></td<>	HEATCRAFT WORLDWIDE REFRIGERATION QUOTE # Stone Mountain Operations
EF-6         WASHROOM #1 EXHAUST         GREENHECK         CUE-120-A         975 CFM         .1         301         DIRECT         1.00         208         3         1.1         PRESSURE SENSOR, INTERLOCK W/MUA-1         100.0 lb         1-6           EF-7         RAW WASHROOM EXHAUST         GREENHECK         CUE-090-G         385 CFM         .2         1300         DIRECT         0.04         115         1         PRESSURE SENSOR, INTERLOCK W/MUA-1         60.0 lb         1-6	BB071421MDA Phone: 800-537-7775 E Mail: HRPAHAE@heatcraftrpd.com DATE: 7/14/202 to: GARY LA FATA
EF-11         CHEMICAL STORAGE 2 EXHAUST         GREENHECK         CUE-060-VG         185 CFM         1.1         1725         DIRECT         0.07         115         1         1.3         TIMECLOCK // TAUCON         56.0 lb         1-6           EF-12         VENTILATION CLEAN STORAGE         GREENHECK         CUE-080-VG         500 CFM         .1         1725         DIRECT         0.10         115         1.4         TSTAT, INTERLOCK // FAI-5         70.0 lb         1-6	from: DANIEL ALMEIDA subject: Air Handler Quote ABCO - Lorenzo Foods Teterboro NJ
EF-17         WASHDOWN CHICKEN PREP         GREENHECK         CUE-200-VG         2304 CFM         1         432         DIRECT         1.00         208         3         3.6         WASHDOWN SWITCH, INTERLOCK W/ SF-5         112.0 lb         1-6           EF-18         WASHDOWN HOT KITCHEN         GREENHECK         CUE-240-VG         737 CFM         1         837         DIRECT         2.00         208         3         WASHDOWN SWITCH, INTERLOCK W/ SF-5         112.0 lb         1-6	We are pleased to quote you on the items described below.          TAG       CAU-1       CAU-2
EF-22         BATHROOMS 103,104,105         GREENHECK         CUE-060-VG         200 CFM         1         1725         DIRECT         0.07         115         1         1.3         TIMECLOCK         56.0 lb         1-5           EF-27         INTERSTITIAL BOTTOM ZONE         GREENHECK         CUE-095-VG         1054 CFM         1         1725         DIRECT         0.17         115         1         2.2         TSTAT, INTERLOCK W/ FAI-10         72.0 lb         1-6	UNIT SIZE HCL03FC HCS14FC TOTAL CFM 1440 6660 ESP 0.75 1.00 TSP 1.56 1.88
EF-28         DOUBLE RACK OVEN         GREENHECK         CUE-100-A         1000 CFM         .1         1725         DIRECT         0.25         115         1         5.8         INTERLOCK W/ OVEN         89.0 lb         1-6           EF-29         DOUBLE RACK OVEN         GREENHECK         CUE-100-A         1000 CFM         .1         1725         DIRECT         0.25         115         1         5.8         INTERLOCK W/ OVEN         89.0 lb         1-6           EF-29         DOUBLE RACK OVEN         GREENHECK         CUE-100-A         1000 CFM         .1         1725         DIRECT         0.25         115         1         5.8         INTERLOCK W/ OVEN         89.0 lb         1-6           EF-31         BATHROOMS 185,184,183         GREENHECK         CUE-070-G         225 CFM         .1         1300         DIRECT         0.02         115         1         TIMECLOCK         56.0 lb         1-5	Schedule         MOTOR 460/3/60         1 HP ODP         5 HP ODP           Unit Tags         Quantity         Airflow         Electric Heating         Notes         FLA/MCA/MOPD         1.6 / 2.0 / 15         6.2 / 7.8 / 15           Unit Tags         Quantity         Airflow         Electric Heating         Notes         120% ADJUSTABLE         120% ADJUSTABLE
EF-32         GARBAGE EXHAUST         GREENHECK         CUE-070-D         300 CFM         1         150         DIRECT         0.03         115         1         0.0         TIMECLOCK         56.0 lb         1-5           EF-34         ELEC ROOM A         GREENHECK         CUE-070-VG         400 CFM         1         1725         DIRECT         0.06         115         1         TIMECLOCK         33.0 lb         1-5           EF-37         AIR COMPRESSOR         GREENHECK         CUE-200-VG         4800 CFM         1         888         DIRECT         0.06         3.6         INTERLOCK W/AC AND TSTAT         145.0 lb         1-5	Image: Note of the state o
EF-40         SPRINKLER ROOM         GREENHECK         CUE-070-G         250 CFM         .1         1300         DIRECT         0.03         115         1         TSTAT, INTERLOCK W/ FAI-14         33.0 lb         1-5           EF-41         HOT KITCHEN         MARLEN         MARLEN PART# 402153800-SS         3800 CFM         1.5         2428         DIRECT         2.15         460         3         0.0         INTERLOCK WITH MARLEN OVEN         322.0 lb         1.4           EF-42         HOT KITCHEN         MARLEN         MARLEN PART# 402153800-SS         6700 CFM         1         1965         DIRECT         3.59         460         3         0.0         INTERLOCK WITH MARLEN OVEN         464.0 lb         1.4	CAPACITY         50.97 MBH         245.57 MBH           ENTERING AIR TEMP         55.67° / 59.8% RH         55.67° / 59.8% RH           SST / REF         30° / 448A         30° / 448A
EF-43       BATTERY CHARGER 2       GREENHECK       CUE-060-D       150 CFM       1       1550       DIRECT       0.03       115       1       1.3       TIMECLOCK       33.0 lb       1-5         KEF-1       HOODS       CAPTIVE AIRE       SEE CAPTIVE AIRE DETAILS       Image: Cap	VAVEL LIEUTIC HEading) 3 (12/1111) 233 103 103 103 103 104 11 120/1 11 11 120/1 11 120/1 11 120/1 11 120/1 11 120/1 11 120/1 11 120/1 11 1
KEF-3       HOODS       CAPTIVE AIRE       SEE CAPTIVE AIRE DETAILS       INTERLOCK WITH GRILL       INTERLOCK WITH GRILL         KEF-4       HOODS       CAPTIVE AIRE       SEE CAPTIVE AIRE DETAILS       Image: Captive Aire Details	VAV-2       1       VCEF (Electric Heating)       5 (12/mm)       235       105       105       3.41       1       120/1       1       1, 2, 3, 4, 5         ELECTRIC HEATER       SCR ELECTRIC       SCR ELECTRIC       SCR ELECTRIC       SCR ELECTRIC       SCR ELECTRIC         VAV-2       Image: Capacity / CFM       3.5 KW - 480CFM       15 KW - 2220CFM       3.5 KW - 480CFM       15 KW - 2220CFM         VAV-2       Image: Capacity / CFM       3.5 KW - 480CFM       15 KW - 2220CFM       460V - 3Ф - 60 Hz       460V - 3Ф - 60 Hz       460V - 3Ф - 60 Hz
	VAV-3       1       VCEF (Electric Heating)       8" (203mm)       693       208       8.54       2.5       120/1       1       1, 2, 3, 4, 5       FLA       4.39       18.83         VAV-3       1       VCEF (Electric Heating)       8" (203mm)       693       208       8.54       2.5       120/1       1       1, 2, 3, 4, 5       FLA       4.39       18.83         VAV-4       1       VCEF (Electric Heating)       16" (406mm)       3062       951       951       44.4       13       480/3       1       1, 2, 3, 4, 5       FILTER SECTION       FLAT       FLAT
1. WEATHERPROOF DISCONNECT SWITCH 2. ROOF CURB 3. RACKORAST DAMPED	PRE-FILTERS     2" - 35% EFFICIENT     2" - 35% EFFICIENT       ECONOMIZER     WITH DAMPERS     WITH DAMPERS
<ul> <li>3. BACKDRAFT DAMPER</li> <li>4. PROVIDE VFD FOR CONTROL</li> <li>5. PROVIDE A CURB AND POSITIVELY ATTACH THE UNIT TO THE STRUCTURE BELOW. COORDINATE WITH THE ARCHITECT AND/OR STRUCTURAL ENGINEER. THE CURB AND UNIT SHALL WITHSTAND THE WIND LOAD AS SHOWN IN THE CODE REVIEW SECTION ON THE HVAC COVERSHEET.</li> </ul>	VAV-0     I     VOLT (Licotin Heating)     IO (204mm)     IO (204mm)       V/AV-6     1     V/CEF (Electric Heating)     10" (254mm)     1313     304     304     15 37     4 5     480/3     1     1 2 3 4 5     UNIT SPLIT SHIP     SECTION SHIPPED     SECTION SHIPPED
<ul> <li>6. PROVIDE WITH MOTORIZED DAMPER WITH ACTUATOR AND END SWITCH. INTERLOCK ASSOCIATED EXHAUST FAN WITH END SWITCH TO START FAN ONCE DAMPER IS PROVED TO BE FULLY OPEN VIA ENDSWITCH, HVAC TO PROVIDE FUSED CONTROL XFMR IN HOFFMAN BOX FOR MOTORIZED DAMPER TO BE INSTALLED BY EC.</li> <li>7. EF-41 AND 42 TO BE CONVERTED TO 208V</li> </ul>	VAV-6       1       VCEF (Electric Heating)       10 (254mm)       1313       394       394       15.37       4.5       480/3       1       1, 2, 3, 4, 5       SEPARATE       SEPARATE         VAV-7       1       VCEF (Electric Heating)       10" (254mm)       1270       381       381       15.37       4.5       480/3       1       1, 2, 3, 4, 5       SEPARATE       SEPARATE

$\geq$						HVAC I	EXHAU:	<u>ST FAN</u>	<u>SCHEI</u>	DULE					
$\boldsymbol{\times}$												ELECTRICAL S	ECTION	MISCELLAN	EOUS SECTION
TAG	<u>SERVICE</u>	MANUFACTURE	<u>२</u>	MODEL	AIR FLOW	E.S.P (W.C)	<u>RPM</u>	DRIVE	HP	VOLTAGE	PHASE	AMPS	CONTROL	WEIGHT	NOTES
<u> </u>	•		·		·	·			·	ł					
( EF-2	WASHDOWN ASSEMBLY SCALING	GREENHECK	CUE-200-B		6159 CFM	.1	707	DIRECT	2.00	208	3		WASHDOWN SWITCH, INTERLOCK W/ SF-2	236.0 lb	1-6
EF-6	WASHROOM #1 EXHAUST	GREENHECK	CUE-120-A		975 CFM	.1	301	DIRECT	1.00	208	3	1.1	PRESSURE SENSOR, INTERLOCK W/MUA-1	100.0 lb	1-6
EF-7	RAW WASHROOM EXHAUST	GREENHECK	CUE-090-G		385 CFM	.2	1300	DIRECT	0.04	115	1		PRESSURE SENSOR, INTERLOCK W/MUA-1	66.0 lb	1-6
EF-10	CHEMICAL STORAGE 1 EXHAUST	GREENHECK	CUE-060-G		104 CFM	.1	1300	DIRECT	0.01	115	1		TIMECLOCK	55.0 lb	1-6
( EF-11	CHEMICAL STORAGE 2 EXHAUST	GREENHECK	CUE-060-VG		185 CFM	.1	1725	DIRECT	0.07	115	1	1.3	TIMECLOCK	56.0 lb	1-6
EF-12	VENTILATION CLEAN STORAGE	GREENHECK	CUE-080-VG		500 CFM	.1	1725	DIRECT	0.10	115	1	1.4	TSTAT, INTERLOCK W/ FAI-5	70.0 lb	1-6
EF-14	VENTILATION KITCHEN DRY STORAGE	GREENHECK	CUE-090-D		770 CFM	.1	1550	DIRECT	0.07	115	1		TSTAT, INTERLOCK W/ FAI-7	66.0 lb	1-6
EF-17	WASHDOWN CHICKEN PREP	GREENHECK	CUE-200-VG		2304 CFM	.1	432	DIRECT	1.00	208	3	3.6	WASHDOWN SWITCH, INTERLOCK W/ SF-5	112.0 lb	1-6
7 EF-18	WASHDOWN HOT KITCHEN	GREENHECK	CUE-240-VG		7377 CFM	.1	837	DIRECT	2.00	208	3		WASHDOWN SWITCH, INTERLOCK W/ SF-10	252.0 lb	1-6
EF-19	WASHDOWN KITCHEN PREP	GREENHECK	CUE-200-VG		1586 CFM	.1	368	DIRECT	1.00	208	3	3.6	WASHDOWN SWITCH, INTERLOCK W/ SF-6	100.0 lb	1-6
EF-22	BATHROOMS 103,104,105	GREENHECK	CUE-060-VG		200 CFM	.1	1725	DIRECT	0.07	115	1	1.3	TIMECLOCK	56.0 lb	1-5
EF-27	INTERSTITIAL BOTTOM ZONE	GREENHECK	CUE-095-VG		1054 CFM	.1	1725	DIRECT	0.17	115	1	2.2	TSTAT, INTERLOCK W/ FAI-10	72.0 lb	1-6
7 EF-28	DOUBLE RACK OVEN	GREENHECK	CUE-100-A		1000 CFM	.1	1725	DIRECT	0.25	115	1	5.8	INTERLOCK W/ OVEN	89.0 lb	1-6
EF-29	DOUBLE RACK OVEN	GREENHECK	CUE-100-A		1000 CFM	.1	1725	DIRECT	0.25	115	1	5.8	INTERLOCK W/ OVEN	89.0 lb	1-6
EF-31	BATHROOMS 185,184,183	GREENHECK	CUE-070-G		225 CFM	.1	1300	DIRECT	0.02	115	1		TIMECLOCK	56.0 lb	1-5
EF-32	GARBAGE EXHAUST	GREENHECK	CUE-070-D		300 CFM	.1	1550	DIRECT	0.03	115	1	0.0	TIMECLOCK	56.0 lb	1-5
> EF-34	ELEC ROOM A	GREENHECK	CUE-070-VG		400 CFM	.1	1725	DIRECT	0.06	115	1		TIMECLOCK	33.0 lb	1-5
EF-37	AIR COMPRESSOR	GREENHECK	CUE-200-VG		4800 CFM	.1	888	DIRECT	1.00	208	3	3.6	INTERLOCK W/ AC AND TSTAT	145.0 lb	1-5
EF-40	SPRINKLER ROOM	GREENHECK	CUE-070-G		250 CFM	.1	1300	DIRECT	0.03	115	1		TSTAT, INTERLOCK W/ FAI-14	33.0 lb	1-5
EF-41	HOT KITCHEN	MARLEN	MARLEN PAR	T# 402153800-SS	3800 CFM	1.5	2428	DIRECT	2.15	460	3	0.0	INTERLOCK WITH MARLEN OVEN	322.0 lb	1-4
> EF-42	HOT KITCHEN	MARLEN	MARLEN PAR	T# 402153800-SS	6700 CFM	1	1965	DIRECT	3.59	460	3	0.0	INTERLOCK WITH MARLEN OVEN	464.0 lb	1-4
EF-43	BATTERY CHARGER 2	GREENHECK	CUE-060-D		150 CFM	.1	1550	DIRECT	0.03	115	1	1.3	TIMECLOCK	33.0 lb	1-5
KEF-1	HOODS	CAPTIVE AIRE	SEE CAPTIVE	AIRE DETAILS									INTERLOCK WITH GRILL		
KEF-2	HOODS	CAPTIVE AIRE	SEE CAPTIVE	AIRE DETAILS									INTERLOCK WITH GRILL		
KEF-3	HOODS	CAPTIVE AIRE	SEE CAPTIVE	AIRE DETAILS									INTERLOCK WITH GRILL		
KEF-4	HOODS	CAPTIVE AIRE	SEE CAPTIVE	AIRE DETAILS											
KEF-5	HOODS	CAPTIVE AIRE	SEE CAPTIVE	AIRE DETAILS											

Units to be Trane model, size, and configuration as indicated in schedule and on drawings

NOTES:

Provide factory-mounted and pre-programmed, pressure-independent, BACnet DDC controller with airflow measurement and wireless communication receiver Provide with wireless zone temperature sensor

Provide with factory-wired discharge air temperature sensor

Provide unit-mounted control power transformer, disconnect, and power fuse

					<u>HVA</u>	<u>10 208</u>	<u>PLY FAN</u>	<u>N 20 HEI</u>	DULE					
										ELECTRICAL SEC	TION		MISCELLAN	EOUS SECTION
<u>TAG</u>	SERVICE	MANUFACTURER	MODEL	AIR FLOW	<u>E.S.P (W.C)</u>	<u>RPM</u>	DRIVE	<u>HP</u>	VOLTAGE	PHASE	AMPS	<u>CONTROL</u>	<u>WEIGHT</u>	NOTES
F-2	WASHDOWN ASSEMBLY SCALING	GREENHECK	RS2-36-621-VG	6159 CFM	.1	576	DIRECT	<u>0.75</u>	<u>208</u>	<u>3</u>		WASHDOWN SWITCH	382.0 lb	1-3
F-5	WASHDOWN CHICKEN PREP	GREENHECK	AS-14-440-A5	2304 CFM	.1	1750	DIRECT	<u>0.5</u>	<u>115</u>	1		WASHDOWN SWITCH	97.0 lb	1-3
-6	WASHDOWN KITCHEN PREP	GREENHECK	AS-14-428-A4	1586 CFM	.1	1750	DIRECT	0.25	<u>115</u>	1		WASHDOWN SWITCH	91.0 lb	1-3
-10	WASHDOWN HOT KITCHEN	GREENHECK	RS2-30-619-VG	7377 CFM	.1	479	DIRECT	1	208	3		WASHDOWN SWITCH	360.0 lb	1-3

1. WEATHER PROOF DISCONNECT AND ROOF CURB

2. PROVIDE VFD FOR CONTROL 3. PROVIDE WITH MOTORIZED DAMPER WITH ACTUATOR AND ENDSWITCH. INTERLOCK WITH ASSOCIATED SUPPLY FAN WITH END SWITCH TO START ONCEDAMPER IS PROVEN TO BE FULLY OPEN.

CONTRACTOR TO PROVIDE CAU-1,2 VFD AND INDICATED MOTORIZED DAMPERS. INTERGRATE INTO BMS SYSTEM.

ALL CONTROLS BY OTHERS; Motor VFD Compatible - VFD & CONTROLLER BY OTHERS / No valves are included; unless called out in unit description or added as an option. ESTIMATED UNIT WEIGHT LBS 702 1,750

DOUBLE WALL CONSTRUCTION - Insulation is 2" - 1-1/2 lb. Density and is sandwiched between the unit and the outer skin for the blower, coil sections. Filter section and economizer are single wall and not insulated.

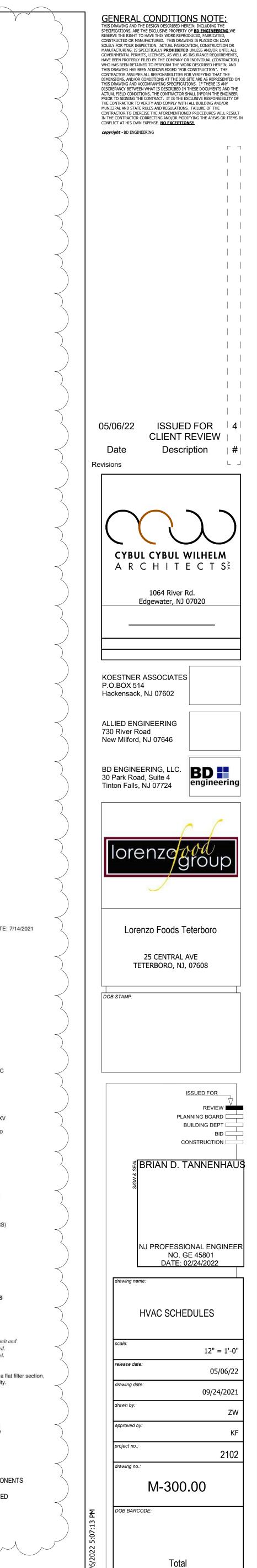
Standard drain pan is double wall construction wih insulation sandwiched between pan and bottom panel. All panels and drain pan are 16 gauge galvanized steel.

All units size 20 and greater, VCS18FC, and any size unit with an accessory section other than a flat filter section, will ship in multiple sections, due to shipping restrictions and best practices to ensure unit quality. Sections are shipped with required gasketing and hardware. Published Lead time\*, subject to change upon receipt of an order. All orders

must have unit details and specifications complete at the time of purchase order.

Above units are for indoor application. When applying units in outdoor applications, gasketed & silicone sealed panels should be use. This design is not meant to guarantee that the unit will be completely weather tight. Heatcraft assumes no responsibility for unit modified for outdoor use. Leakage associated problems are the contractors responsibility.

NOTE: 1. AHU SECTION REQUIRES SEPARATE FEEDERS TO MOTOR AND ELECTRIC HEAT COMPONENTS 2. RESPECTIVE CU- AND CAU- 1 AND REQUIRE SEPARATE FEEDERS 3. CONTROL WIRING BETWEEN RESPECTIVE CAU AND CU-CAU COMPONENTS IS REQUIRED



	HVAC LOUVER SCHEDULE							
<u>TAG</u>	MANUFACTURER	MODEL	<u>SERVICE</u>	DIMENSIONS	FREE AIR VELOCITY	FREE AREA	NOTES	
_0-1	RUSKIN	EF211	BOILER ROOM	48" BY 54"	420 FPM	1050 SF	1-2	
_0-2	RUSKIN	EF211	BOILER ROOM	48" BY 54"	420 FPM	1050 SF	1-2	
_O-3	RUSKIN	EF211	AIR COMPRESSOR ROOM	48" BY 54"	420 FPM	1050 SF	1-2	
_0-4	RUSKIN	EF211	AIR COMPRESSOR ROOM	48" BY 54"	420 FPM	1050 SF	1-2	

1. MOTORIZED DAMPER

2. PROVIDE END SWITCHES 3. PROVIDE BELIMO AF120-S-US 120-VOLT DAMPER ACTUATOR, KH-AF CRANKARM AND ZG-108 MOUNTING BRACKET.

# HVAC FAI SCHEDULE

Mark	SERVICE	MANUFACTURER	MODEL	AIR FLOW	THROAT VELOCITY(FT/MIN)	WEIGHT	CONTROL	NOTES
L		1			,			
FAI-3	CHEMICAL STORAGE 1 INTAKE	GREENHECK	GRSI-8	104 CFM	281	12.0 lb	TSTAT, INTERLOCK W/ EF-10	1-3,6
FAI-4	CHEMICAL STORAGE 2 INTAKE	GREENHECK	GRSI-8	185 CFM	500	12.0 lb	TSTAT, INTERLOCK W/ EF-11	1-3,6
FAI-5	VENTILATION CLEAN STORAGE	GREENHECK	GRSI-10	500 CFM	877	13.0 lb	TSTAT, INTERLOCK W/ EF-12	1-3,6
FAI-7	VENTILATION KITCHEN DRY STORAGE	GREENHECK	GRSI-12	770 CFM	939	15.0 lb	TSTAT, INTERLOCK W/ EF-14	1-3,6
FAI-10	INTERSTITIAL BOTTOM ZONE	GREENHECK	GRSI-16	1054 CFM	727	21.0 lb	TSTAT, INTERLOCK W/ EF-27	1-3,6
FAI-12	ELEC ROOM A	GREENHECK	GRSI-16	400 CFM	276	21.0 lb	TSTAT, INTERLOCK W/ EF-34	1-3,6
FAI-14	SPRINKLER ROOM	GREENHECK	GRSI-8	250 CFM	676	7.0 lb	TIMECLOCK	1-3.6

1. INSECT SCREENS
2. PROVIDE BELIMO AF120-S-US 120-VOLT DAMPER ACTUATOR, KH-AF CRANKARM AND ZG-108 MOUNTING BRACKET. INTERLOCK ASSOCIATED EXHAUST FAN WITH END-SWITCH TO START
EXHAUST FAN ONCE DAMPER IS PROVED TO BE FULLY OPEN VIA END-SWITCH
3. PROVIDE REQUIRED SLEEVE TO ACCOMMODATE MOTORIZED DAMPER INSTALLATION
4. PROVIDE SAFE-AIR-DOWCO MODEL-600 PARALLEL BLADE DAMPER AT EACH LOUVER SIZED TO FIT EACH LOUVER'S CONFIGURATION.
5. PROVIDE WITH GREENHECK MP-210 MOTORIZED DAMPER, INTERLOCK ASSOCIATED EXHAUST FAN WITH END-SWITCH TO START FAN ONCE DAMPER IS PROVED TO BE FULLY OPEN VIA END-SWITCH
6. PROVIDE A CURB AND POSITIVELY ATTACH THE UNIT TO THE STRUCTURE BELOW. COORDINATE WITH THE ARCHITECT AND/OR STRUCTURAL
ENGINEER. THE CURB AND UNIT SHALL WITHSTAND THE WIND LOAD AS SHOWN IN THE CODE REVIEW SECTION ON THE HVAC COVERSHEET.

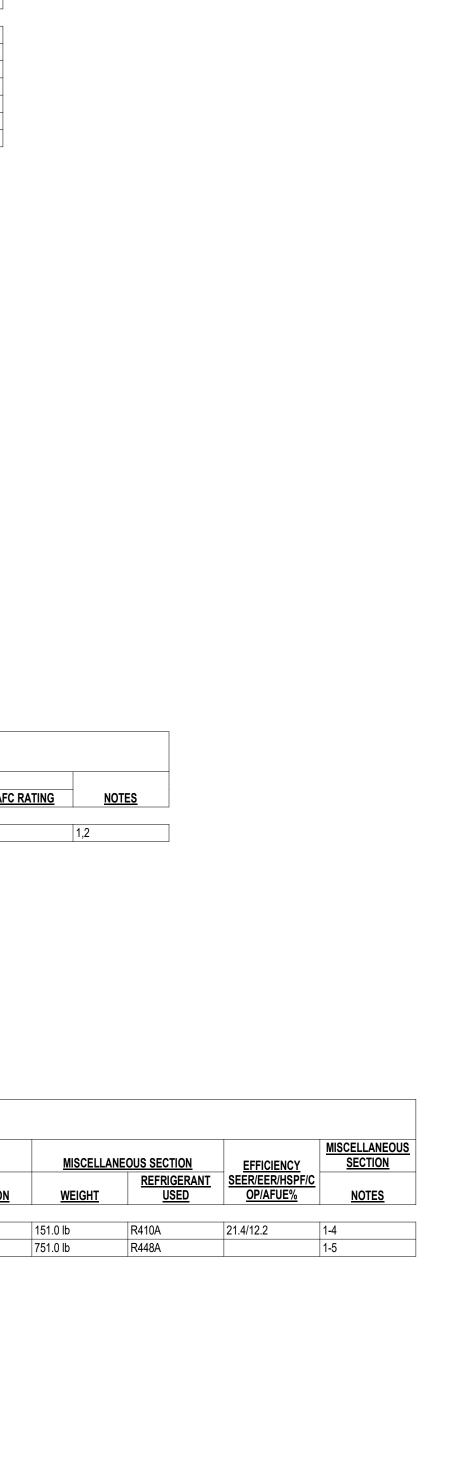
			<u>HVAC A</u>	AIR CU	<u>rtain h</u>	EATER	<u>SCHEDI</u>	<u>JLE</u>		
							ELECTRICAL SEC	TION		
TAG	MANUFACTURER	MODEL	SERVICE	<u>KW</u>	<u>CFM</u>	AMPS	VOLTAGE	PHASE	<u>CONTROL</u>	AFC R
AC-2	MARS	LPV272-1A-0B	HOT KITCHEN		1800.0	2.6	115	1	DOOR SWITCH	

1. DISCONNECT SWITCH 2. DOORSWITCH

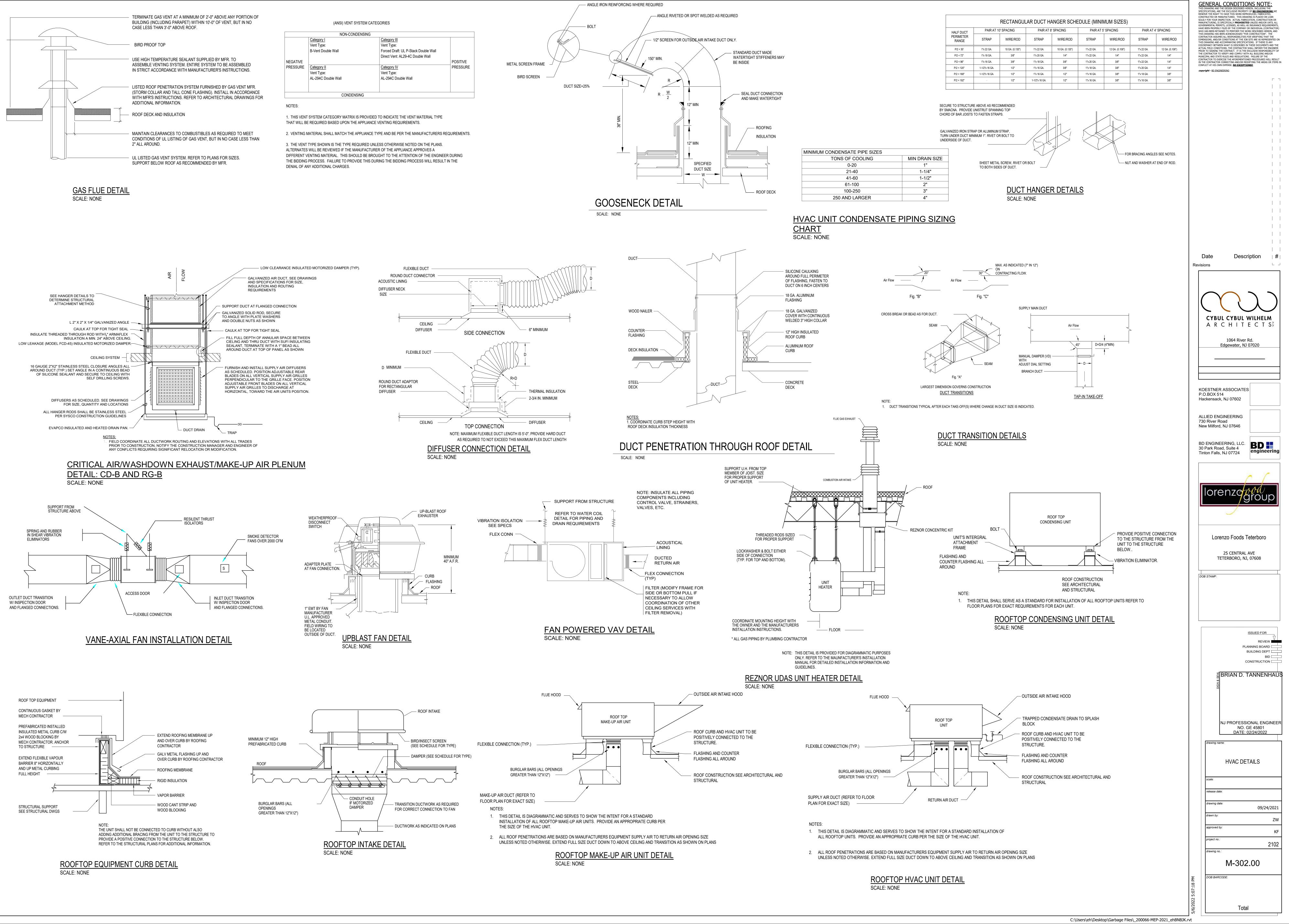
				HVA	<u>C AIR C</u>	OOLED	CONDE	<u>NSING L</u>	JNIT SCHEDULE
								ELECTRICAL SE	CTION
<u>TAG</u>	SERVICE	MANUFACTURER	MODEL	TOTAL COOLING CAPACITY MBH	TOTAL HEATING CAPACITY MBH	VOLTAGE	PHASE	MINIMUM CIRCUIT	MAXIMUM OVERCURRENT PROTECTION
		•							·
CU-4	IT ROOM	TRANE	TRUYA0241HA70	24.0	0.0	208	1	20.0	25.0
CU-CAU-1	CAU-1	BOHN	2DD3R63KE	54.0	0.0	460	3	15.0	20.0

1. PROVIDE LOW AMBIENT KIT, THERMAL EXPANSION VALVE AND ACCUMULATOR WITH ALL UNITS 2. PROVIDE WITH ANTI-SHORT CYCLE TIMER, DISCONNECT SWITCH AND RUBBER ISOLATORS

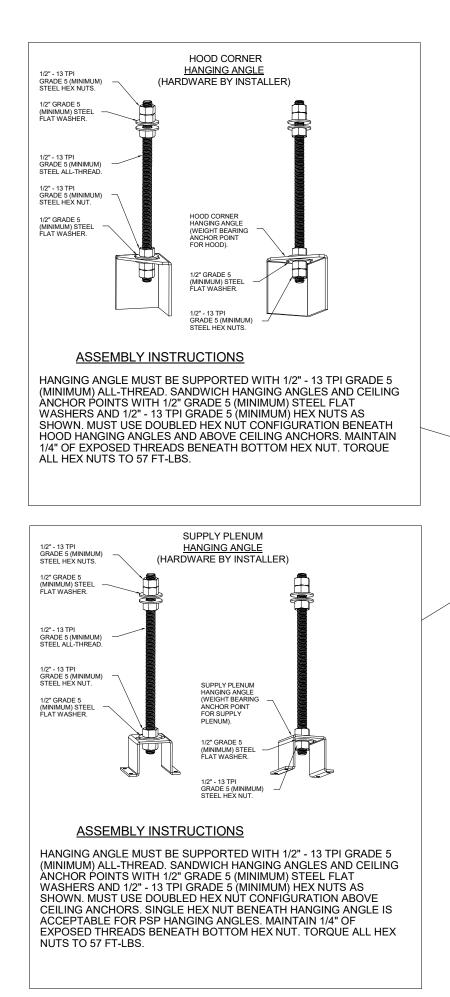
3. POSITIVELY ATTACH THE UNIT TO THE STRUCTURE BELOW. COORDINATE WITH THE ARCHITECT AND/OR STRUCTURAL ENGINEER. THE MEANS OF POSITIVE ATTACHMENT SHALL WITHSTAND THE WIND LOAD AS SHOWN IN THE CODE REVIEW SECTION ON THE HVAC COVERSHEET. 4. PROVIDE EQUIPMENT RAILS LONG ENOUGH TO SPAN THE REQUIRED # OF EXISTING ROOF JOUSTS AS DETERMINED BY THE ARCHTECT AND STRUCTURAL ENGINEER. 5. CONTACT GARY LA FATA @ 732-994-4700/917-417-0678 FOR BOHN QUOTE R1736462 FOR QUESTIONS AND SPECIFIC SUBMITAL







68d	<u>) INFORMA1</u> 5210956						IAX		APPLIANCE	DESIGN	TOTAL				UST PL RISER(S				TOTAL	HOOD		CONFIG			
NO	TAG	MODEL	MANUF	FACTUREF	R LENG		oking Emp	TYPE	DUTY	CFM/FT	EXH CFM	WIDTH	LENG H		DIA	CFM	VEL	SP	SUPPLY CFM	CONSTRUCTION	END TO END	ROW			
1		7224 VHB-G-PSP-F-ND	CAPT	IVEAIRE	10'	6" C	700 DEG	II	N/A	150	1575			4"	16"	1575	1128	-0.134"	1260	430 SS 100%	LEFT	ALONE			
2		7224 VHB-G-PSP-F-ND	CAPT	TIVEAIRE	10'		700 DEG	П	N/A	150	1575			4"	16"	1575	1128	-0.134"	1260	430 SS 100%	RIGHT	ALONE			
3		6624 ND-2-PSP-F	CAPT	IVEAIRE	8' (	0" C	450 DEG	I	MEDIUM	200	1600			4"	14"	1600	1497	-0.734"	1300	430 SS WHERE EXPOSED	LEFT	BACK			
4		6624 ND-2-PSP-F	CAPT	TIVEAIRE	9' (		150 DEG	I	MEDIUM	175	1575			4"	14"	1575	1473	-0.680"	1300	430 SS WHERE EXPOSED	RIGHT	BACK			
5		7224 ND-2-PSP-F	CAPT	TIVEAIRE	9' (	0" C	150 DEG	I	MEDIUM	175	1575			4"	14"	1575	1473	-0.680"	1300	430 SS WHERE EXPOSED	LEFT	FRONT			
6		7224 ND-2-PSP-F	CAPT	TIVEAIRE	8' (		450 )EG	I	MEDIUM	200	1600			4"	14"	1600	1497	-0.734"	1300	430 SS WHERE EXPOSED	RIGHT	FRONT			
7		7224 ND-2-PSP-F	CAPT	TIVEAIRE	8' (	0" C	450 )EG	I	MEDIUM	200	1600			4"	16"	1600	1146	-0.416"	1280	430 SS WHERE EXPOSED	LEFT	BACK			
8		7224 ND-2-PSP-F	CAPT	IVEAIRE	8' (		450 )EG	I	MEDIUM	200	1600			4"	16"	1600	1146	-0.416"	1408	430 SS WHERE EXPOSED	RIGHT	BACK			
9		6024 ND-2-PSP-F	CAPT	IVEAIRE	8' (		600 DEG	I	HEAVY	250	2000			4"	18"	2000	1132	-0.530"	1580	430 SS WHERE EXPOSED	LEFT	FRONT			
10		6024 ND-2-PSP-F	CAPT	TIVEAIRE	8' (		600 DEG	I	HEAVY	250	2000			4"	18"	2000	1132	-0.530"	1580	430 SS WHERE EXPOSED	RIGHT	FRONT			
11	Test Kitchen	5424 ND-2	CAPT	TIVEAIRE	7' (	0" C	600 DEG	I	HEAVY	215	1505			4"	14"	1505	1408	-0.722"	0	430 SS WHERE EXPOSED	ALONE	ALONE			
OOL												<u></u>													
	RMATION <b>tag</b>				ILTER(S)	)					LIGHT	(5)	WIRE	-					FIR	UTILITY CABINET(S) E SYSTEM	ELE	ECTRICAL	SWITCHES		HOO
NO	176	TYPE		QTY H	HEIGHT	LENGTH	EFFICIE	ENCY @ 7	MICRONS Q	ΓY	TYPE		GUAR		CATION	1	SIZE	T	/PE	SIZE	N	NODEL #	QUANTITY		WEIG
1									ŧ	5 F	RECESSED F	ROUND	NO											NO	462 LBS
2									ŧ	5 F	RECESSED F	ROUND	NO											NO	462 LBS
3		CAPTRATE SOLO F	FILTER	5	16"	16"	85% \$	SEE FILTE	R SPEC	3 F	RECESSED F	ROUND	NO	1	LEFT	12	2"x66"x24"	' TAN	IK FS	4.0/4.0				YES	769 LBS
4		CAPTRATE SOLO F	FILTER	6	16"	16"	85% \$	SEE FILTE	R SPEC	3 F	RECESSED F	ROUND	NO											YES	465 LBS
5		CAPTRATE SOLO F	FILTER	6	16"	16"	85% \$	SEE FILTE	R SPEC 3	3 F	RECESSED F	ROUND	NO											YES	482 LBS
6		CAPTRATE SOLO F	FILTER	5	16"	16"	85% \$	SEE FILTE	R SPEC	3 F	RECESSED F	ROUND	NO	R	RIGHT	12	2"x72"x24"	' TAN	IK FS	4.0/4.0	D	CV-2111	1 LIGHT 1 FAN	YES	836 LBS
7		CAPTRATE SOLO F	FILTER	5	20"	16"	85% \$	SEE FILTE	R SPEC 2	2 F	RECESSED F	ROUND	NO											YES	484 LBS
8		CAPTRATE SOLO F	FILTER	5	20"	16"	85% \$	SEE FILTE	R SPEC 2	2 F	RECESSED F	ROUND	NO	R	RIGHT	12	2"x72"x24"		IK FS	4.0/4.0	D	CV-2111	1 LIGHT 1 FAN	YES	827 LBS
9		CAPTRATE SOLO F	FILTER	5	20"	16"	85% \$	SEE FILTE	R SPEC 2	2 F	RECESSED F	ROUND	NO	1	LEFT	12	2"x60"x24"	' TAN	IK FS	4.0/4.0/4.0				YES	840 LBS
10		CAPTRATE SOLO F	FILTER	5	20"	16"	85% \$	SEE FILTE	R SPEC 2	2 F	RECESSED F	ROUND	NO											YES	453 LBS
11	Test Kitchen	CAPTRATE SOLO F	FILTER	5	16"	16"	85% \$	SEE FILTE	R SPEC 2	2 F	RECESSED F	ROUND	NO	1	LEFT	12	2"x54"x24"	' TAN	IK FS	4.0	SC-	210110MA	1 LIGHT 1 FAN	YES	598 LBS

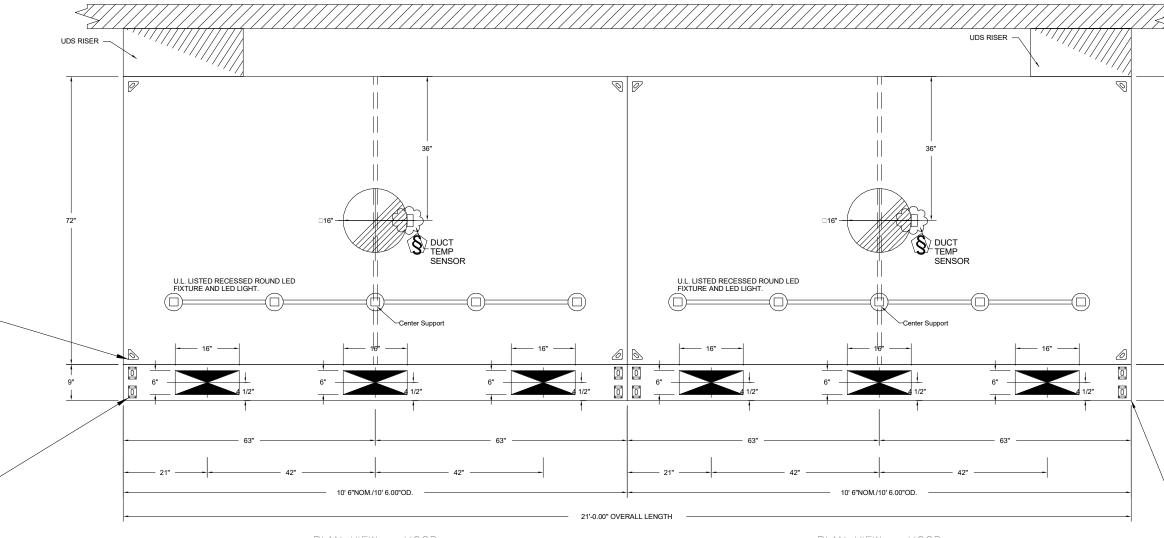


THESE ARE OLD CAPTIVE AIRE SELECTIONS. WAITING FOR NEW CAPTIVE AIRE DETAILS WITH 208V

PERF	FORAT	'ED SU	PPLY								
-									RISER(	S)	
IOOD NO	UM(S D TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG	DIA	CFM	SP
						MUA	6"	16"		420	0.249
1		Front	126"	9"	6"	MUA	6"	16"		420	0.249
						MUA	6"	16"		420	0.249
						MUA	6"	16"		420	0.249
2		Front	126"	9"	6"	MUA	6"	16"		420	0.249
						MUA	6"	16"		420	0.249
						MUA	6"	16"		432	0.262
3		Front	108"	9"	6"	MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
4		Front	109"	9"	6"	MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
5		Front	109"	9"	6"	MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
6		Front	108"	9"	6"	MUA	6"	16"		432	0.262
						MUA	6"	16"		432	0.262
7		Front	96"	9"	6"	MUA	6"	28"		636	0.310
'		FIOIL	90	9	0	MUA	6"	28"		636	0.310
8		Front	108"	9"	6"	MUA	6"	28"		640	0.269
°		FIOIL	100	9	0	MUA	6"	28"		640	0.269
						MUA	6"	28"		600	0.278
9		Front	108"	9"	6"	MUA	6"	28"		600	0.278
						MUA	6"	16"		400	0.227
						MUA	6"	28"		600	0.278
10		Front	96"	9"	6"	MUA	6"	28"		600	0.278
						MUA	6"	16"		400	0.227

(\$10,100)	NS tag	OPTION
		RISER SENSOR INSTALL 6IN PLEN.
3		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 4 SS.
4		RIGHT END STANDOFF (FINISHED) 1" WIDE 66" LONG INSULATED.
4		RISER SENSOR INSTALL 6IN PLEN.
5		LEFT END STANDOFF (FINISHED) 1" WIDE 72" LONG INSULATED.
5		RISER SENSOR INSTALL 6IN PLEN.
		RISER SENSOR INSTALL 6IN PLEN.
6		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED SS.
7		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 4 SS.
8		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED SS.
9		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 4 SS.
10		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED SS.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
11	Test Kitchen	LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		DI-PSP 12" 309CFM [QTY. 3].

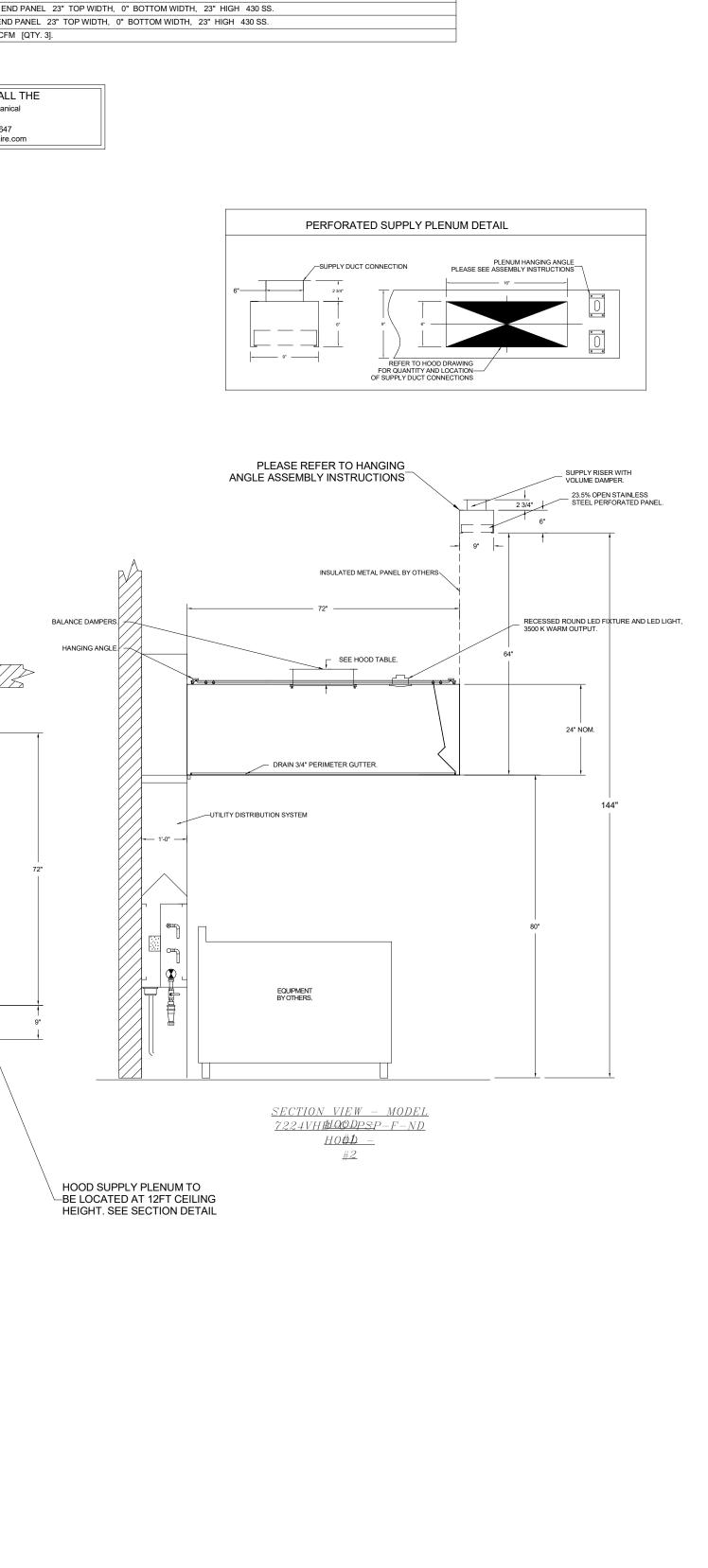
FOR QUESTIONS, CALL
North New Jersey Mechanica REGION 138
PHONE: (201) 308-6647 EMAIL: reg138@captiveaire.co

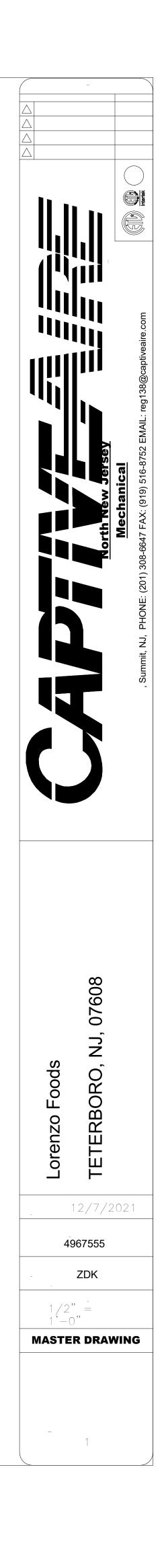


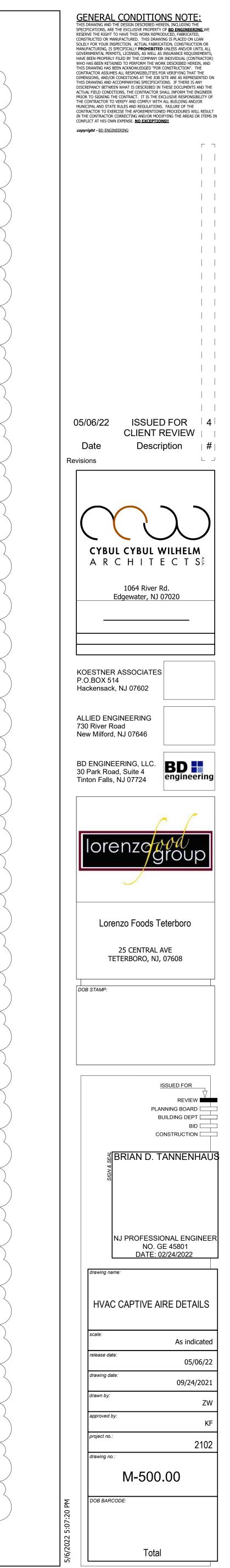
PLAN VIEW - HOOD 10' 6.000" LONG <u> 7224VHB — G — PSP — F — NI</u>

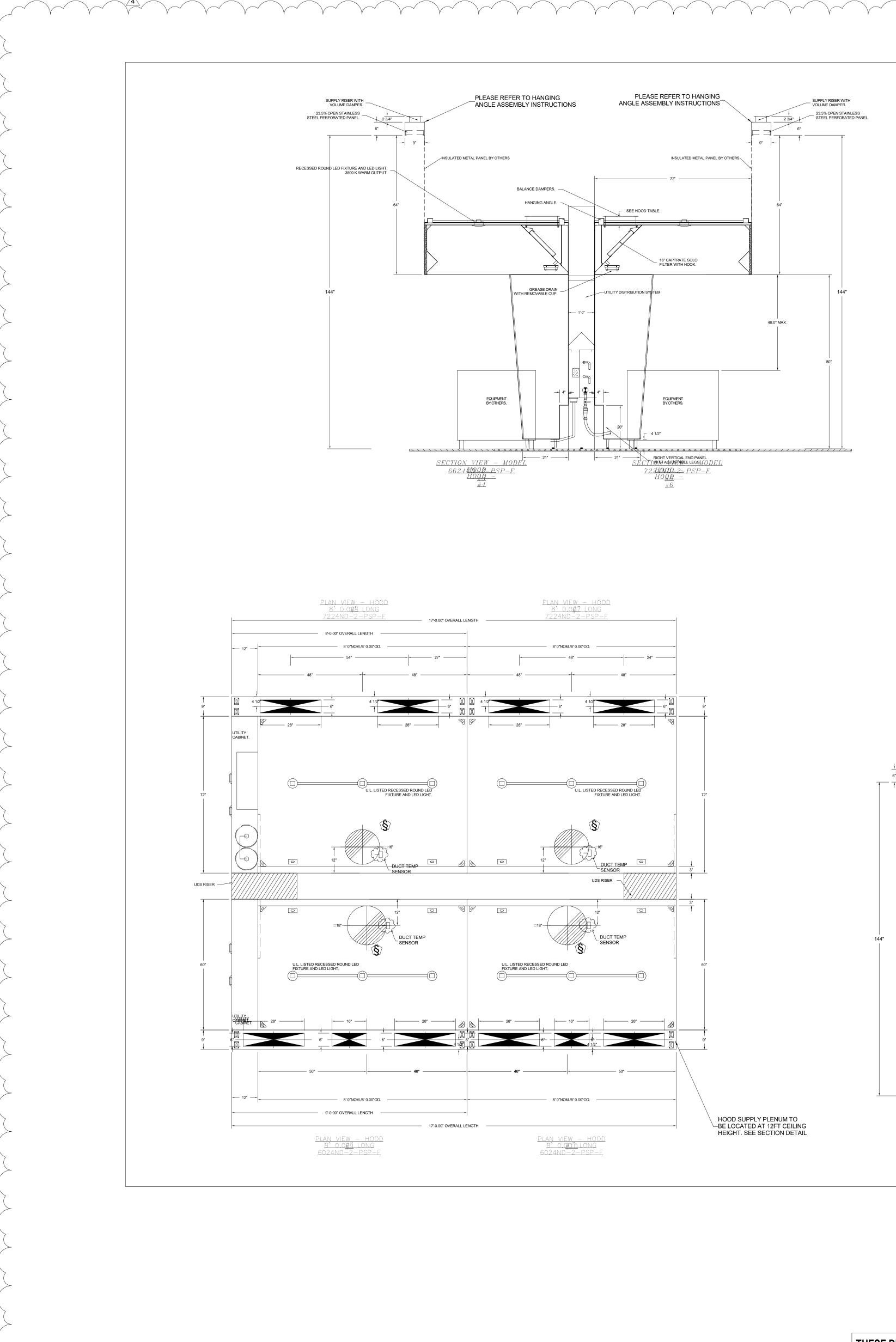
PLAN\_VIEW\_\_\_HOOD <u>7224VHB-G-PSP-t-NI</u>

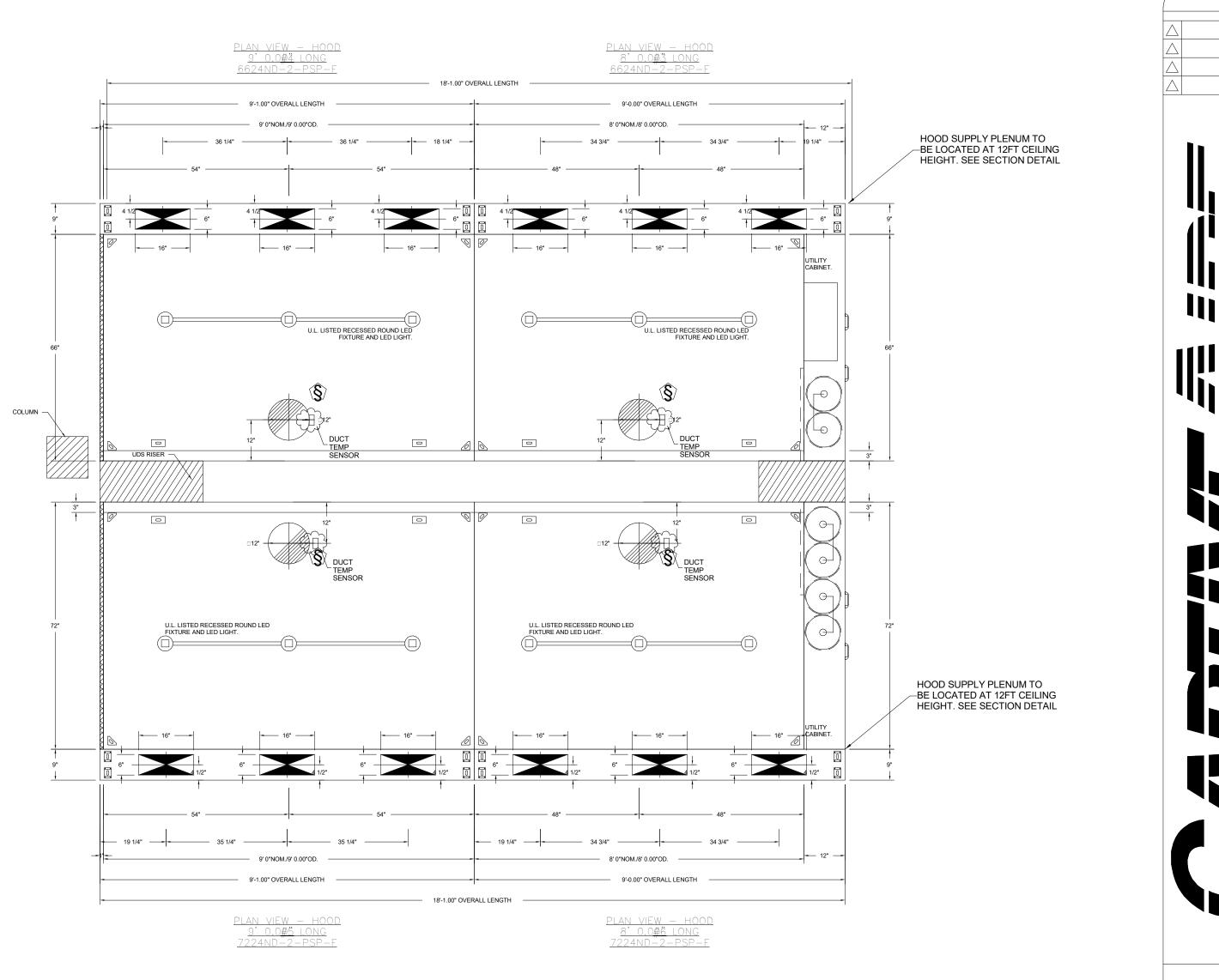
THESE DETAILS ARE PROVIDED FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO THE MANUFACTURES SHOP DRAWINGS, DETAILS AND INSTALLATION INSTRUCTIONS FOR FINAL **REQUIREMENTS.** 











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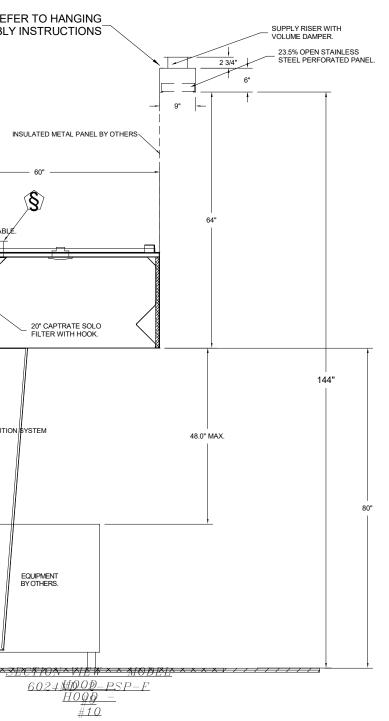
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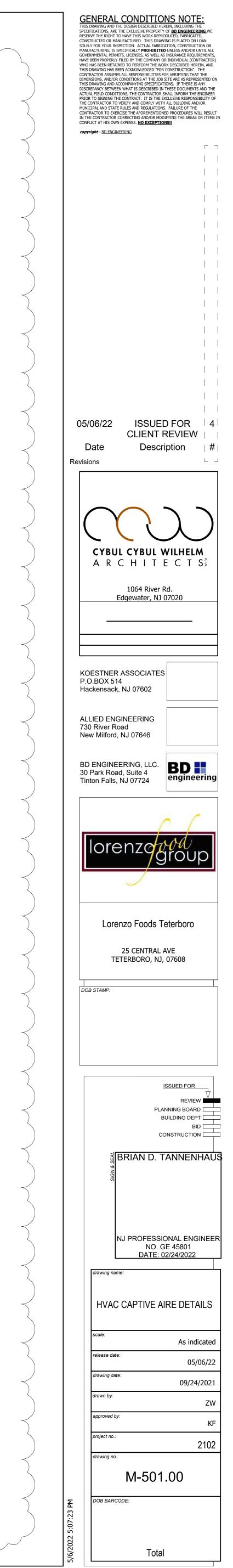
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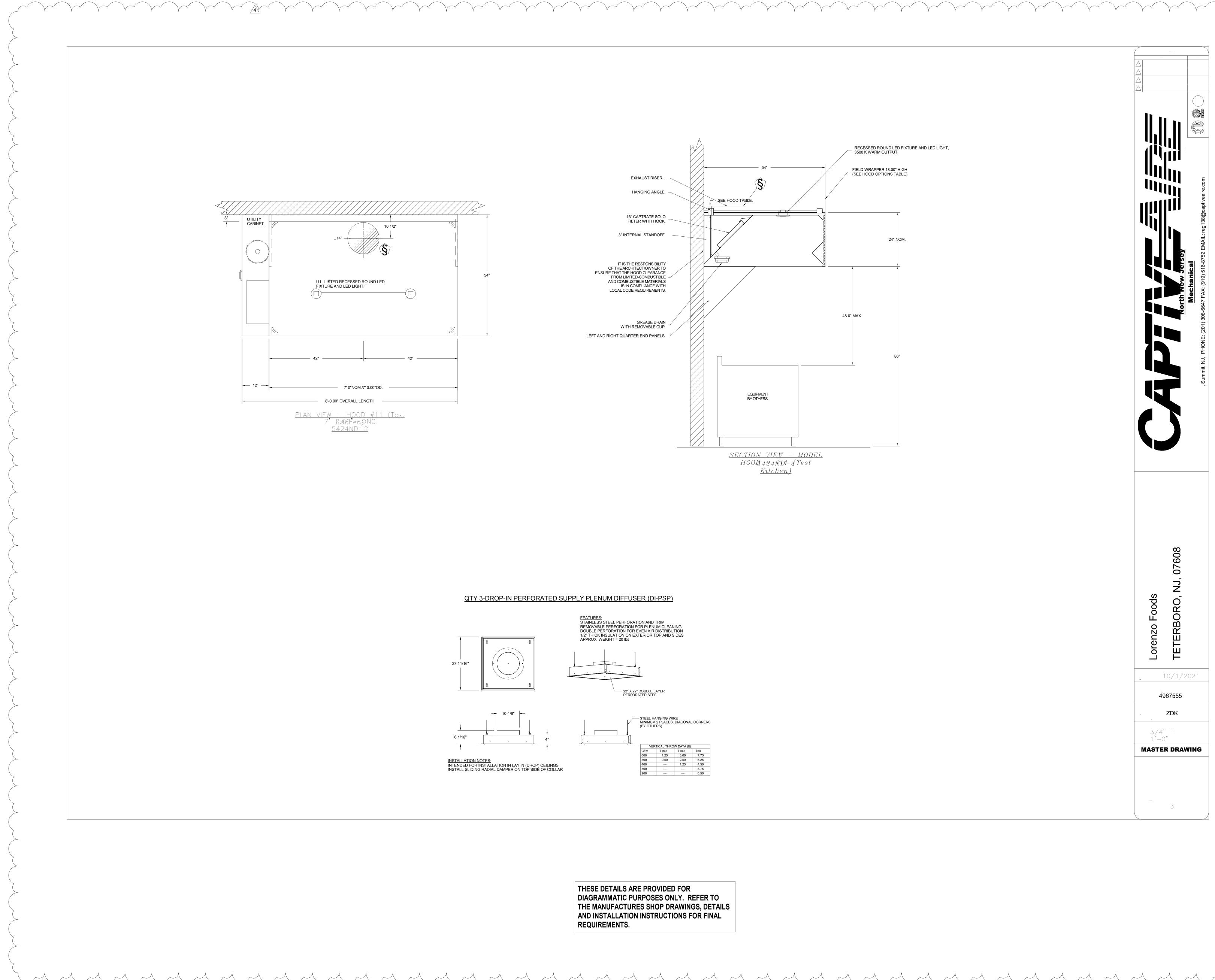
PLEASE REFER TO HANGING PLEASE REFER TO HANGING ANGLE ASSEMBLY INSTRUCTIONS ANGLE ASSEMBLY INSTRUCTIONS 2 3/4" 6" -- 9" /INSULATED METAL PANEL BY OTHERS EXHAUST RISER. -Hanging Angle. — SEE HOOD TABLE \_ 20" CAPTRATE SOLO FILTER WITH HOOK. क्ति UTILITY DISTRIBUTION SYSTEM GREASE DRAIN VITH REMOVABLE CUP. EQUIPMENT BY OTHERS. EQUIPMENT BY OTHERS. 4 1/2" 4 <u>7224ND-2-PSP-FH00D -</u> <u>H04P -</u> #8

THESE DETAILS ARE PROVIDED FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO THE MANUFACTURES SHOP DRAWINGS, DETAILS AND INSTALLATION INSTRUCTIONS FOR FINAL **REQUIREMENTS.** 



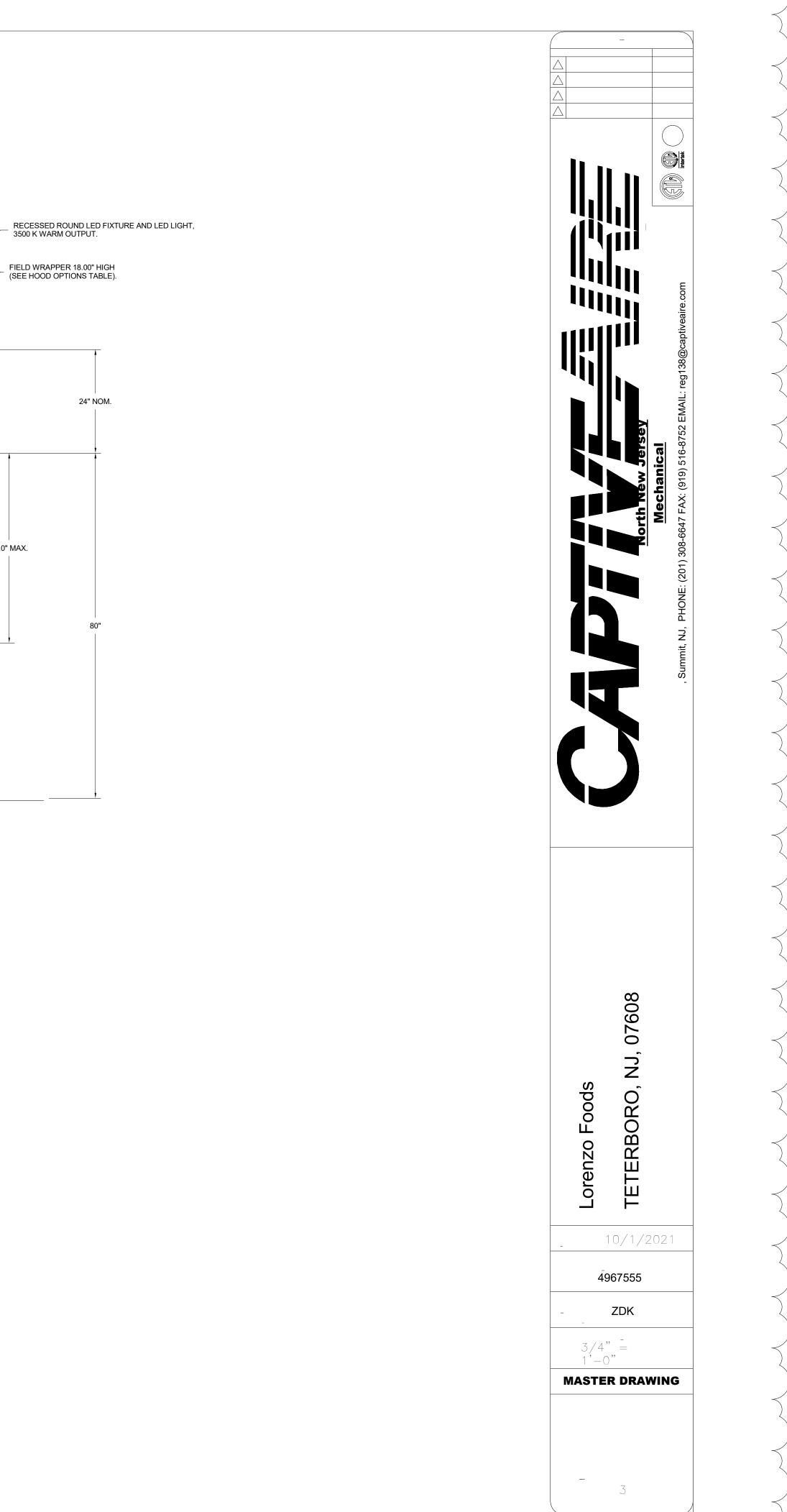
	., Summit, NJ, PHONE: (201) 308-6647 FAX: (919) 516-8752 EMAIL: reg138@captiveaire.com
Lorenzo Foods TETERBORO, NJ, 07608	
12/7/2 <b>4967555</b>	021
ZDK	
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MASTER DRAV	VING
- 2	





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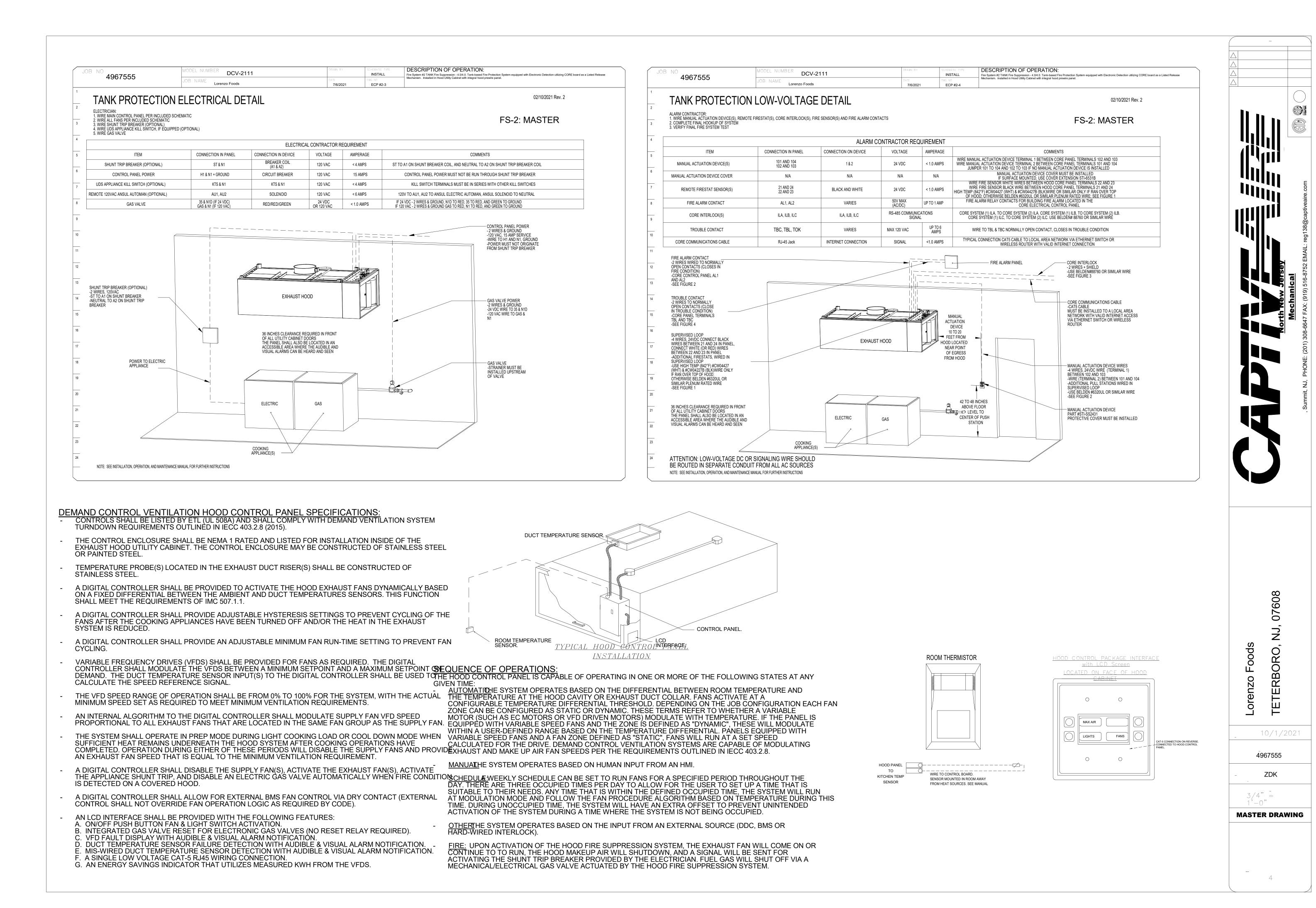


24" NOM.

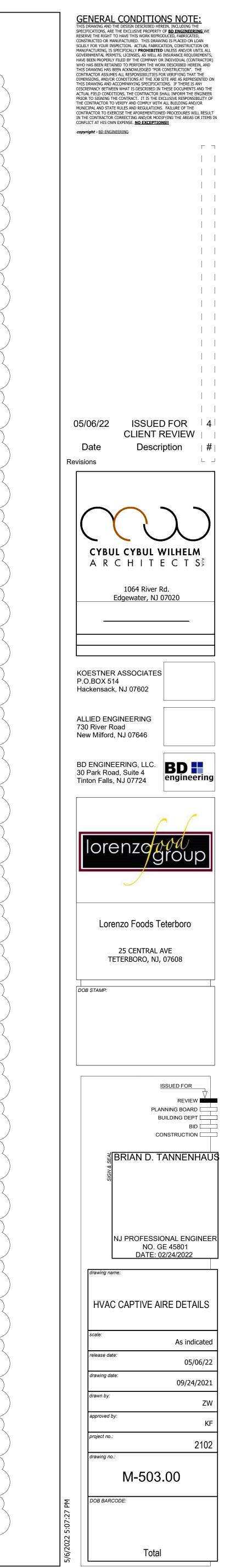
48.0" MAX.

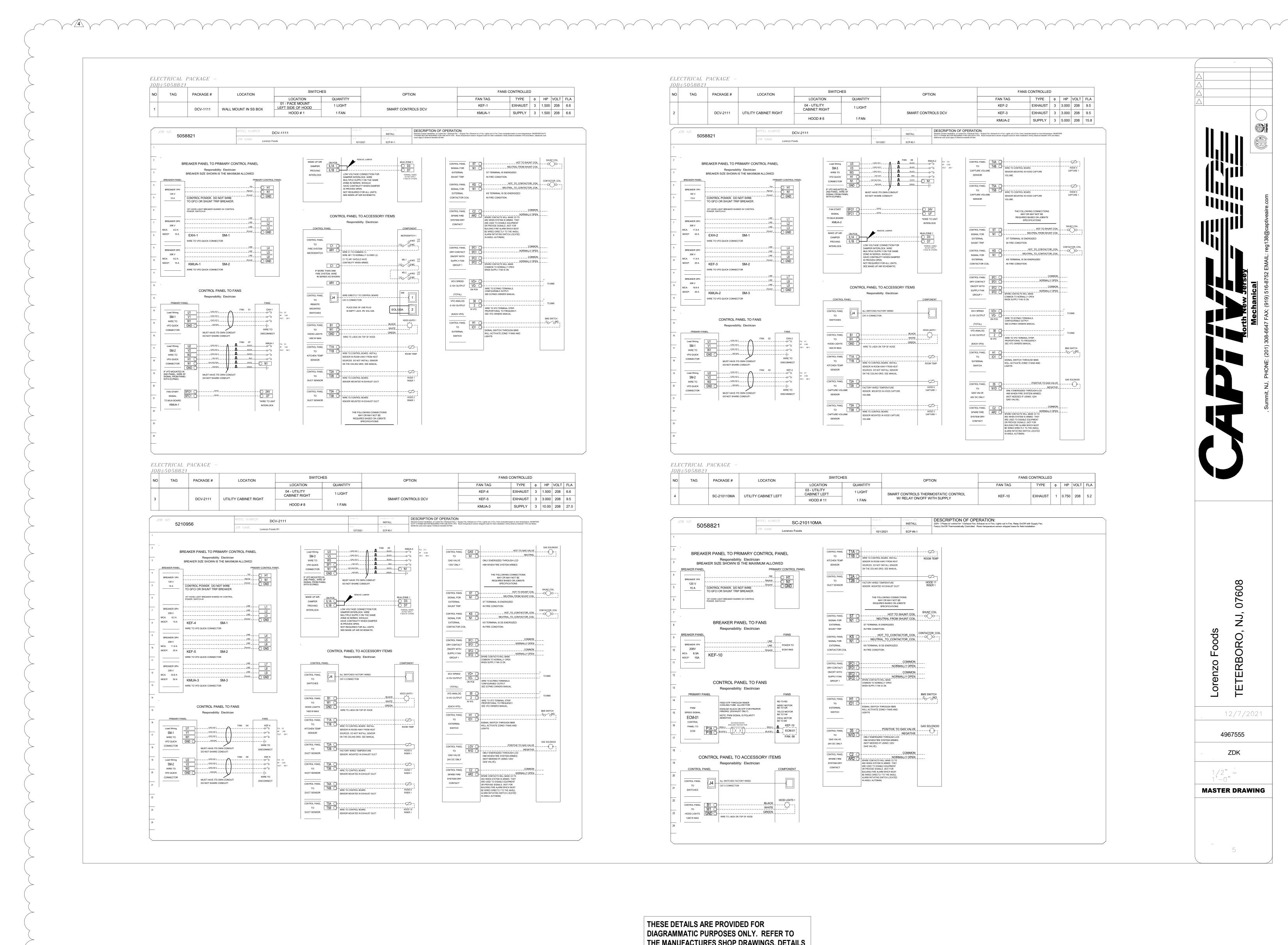
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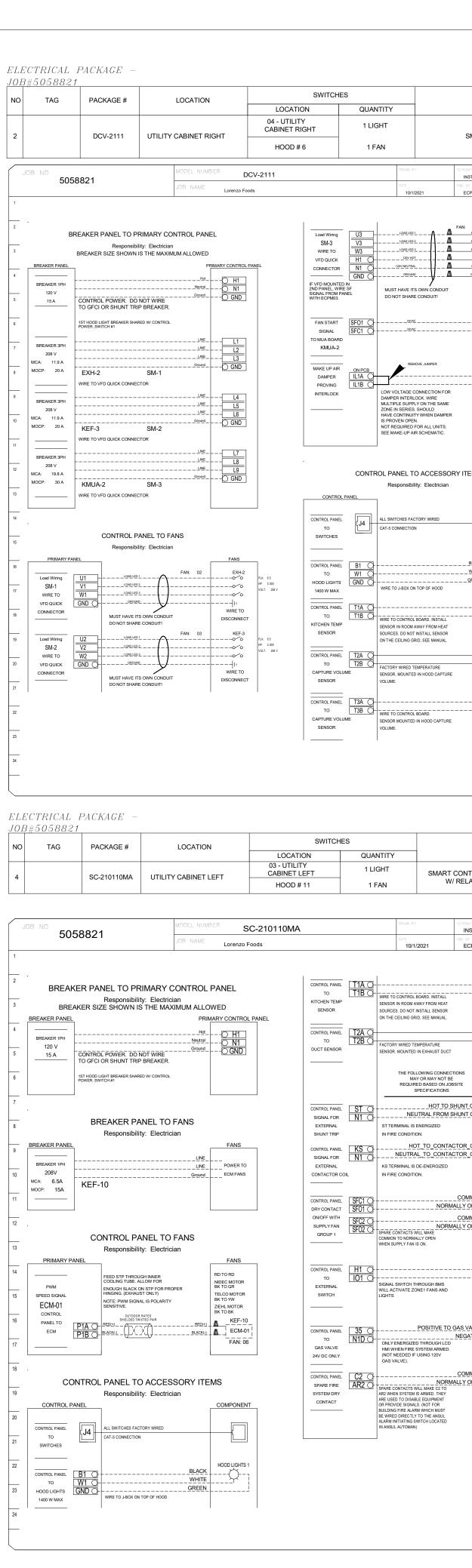




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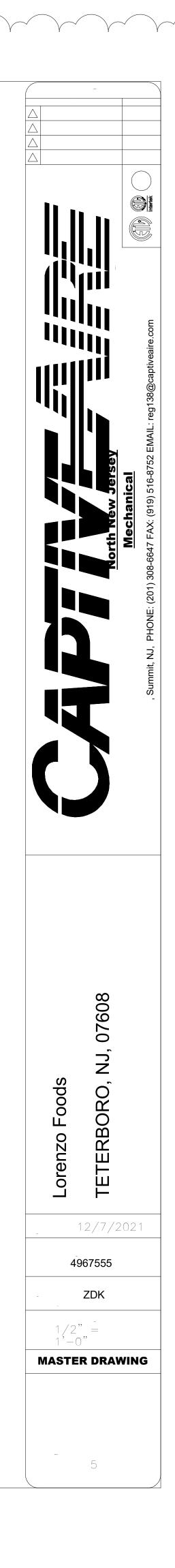


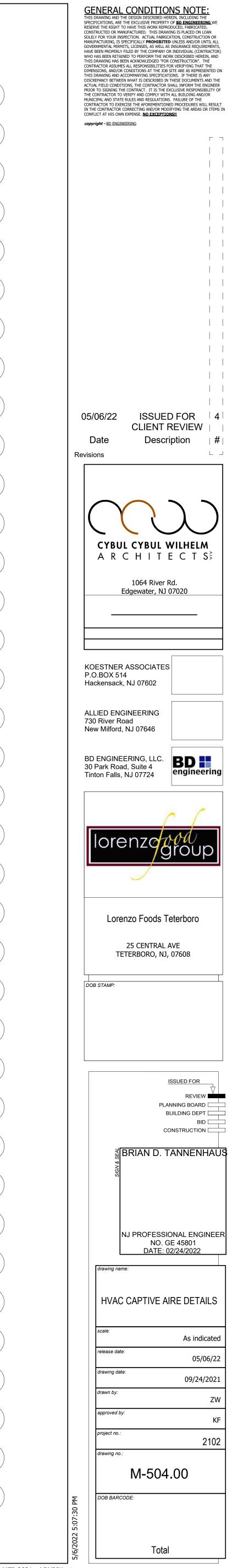




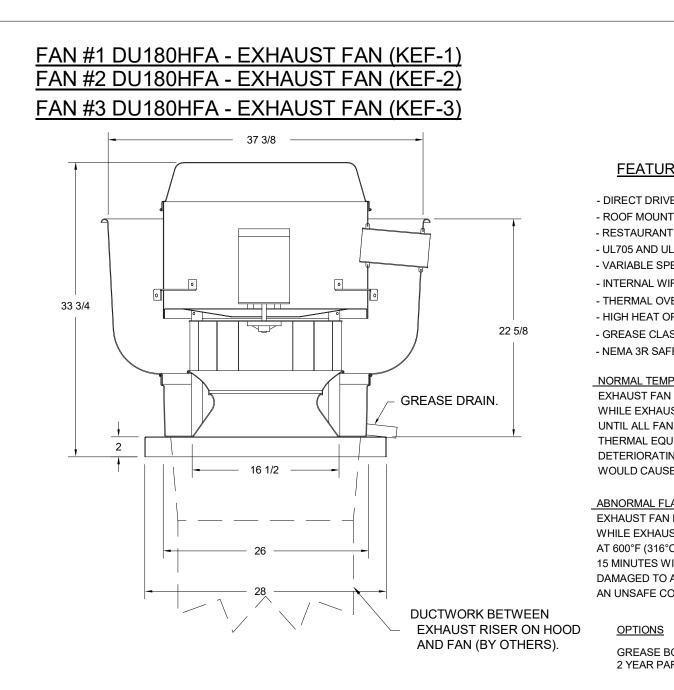
OF	TION	FANS CON					_
		FAN TAG	TYPE	φ	HP	VOLT	F
		KEF-2 E	XHAUST	3	3.000	208	
SMART CON	TROLS DCV	KEF-3 E	XHAUST	3	3.000	208	
		KMUA-2	SUPPLY	3	5.000	208	
SCHEMATIC TYPE INSTALL DWC NO ECP #2-1	DESCRIPTION OF Demand Cortrol Ventilation, vico DUTYS PHASE MOTOR RECOUR additional cost could apply if distan	ol for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate bas FOR USE WITH VFD. Room temperature sensor shipped loose for field installation. Verify (	sed on duct temperatur distance between VFD	e. INVER' and Moto	rer ;		
FAN:         08           BLACK	KMUA-2 → ○ ○ N1 I ·	CONTROL PANEL TO T4B WIRE TO CONTROL BOARD. SENSOR MOUNTED IN HOOD C VOLUME. CONTROL PANEL TO CAPTURE VOLUME SENSOR WIRE TO CONTROL BOARD. TO T5B WIRE TO CONTROL BOARD. SENSOR WIRE TO CONTROL BOARD. SENSOR VOLUME.			CA	1000 4 PTURE 1	
	24V UI* E TO UNIT ERLOCK ONE 1 D3 D7 UNIMA LAMES NOT APPLY NOT APPLY B 7 OTHERS	STICKTON IN STREMINAL IS ENERGIZE SHUNT TRIP IN FIRE CONDITION.	ON THE ON JOBSITE TIONS		0( 		
	IPONENT	SIGNAL FOR N1 C EXTERNAL CONTACTOR COIL CONTACTOR COIL CONTROL PANEL DRY CONTACT SFC1 C CONTOC PANEL SFC1 C CONTOC PANEL SFC1 C SFC1 C SFC	NORMALLY	MMON			
BLACK		DCV SPEED     V0+       0-10V OUTPUT     V0-       (TOTAL)     WIRE TO ECPH03 TERMINALS.       (TOTAL)     SEE ECPM03 OWNERS MANUA       VFD ANALOG     30       0-10V OUTPUT     2       (EACH VFD)     IN VFD       CONTROL PANEL     H1       TO     IO1       SWITCH     SIGNAL SWITCH THROUGH	 CY.  BMS				
e c	HOOD 6 APTURE 1 HOOD 3 APTURE 1	CONTROL PANEL TO GAS VALVE 24V DC ONLY CONTROL PANEL CONTROL PANEL SPARE FIRE SYSTEM DRY CONTACT CONTA	GH LCD IRMED. OV <u>OV</u> <u>COMMALLY</u> C2 TO IENT IENT IENT IR WUST SUL				

		OPTI									F	ANS C	ONTROLL	.ED			
		OPTI	UN							FAN TA	١G		TYPE	φ	HP	VOLT	FLA
		S THERM				ROL				KEF-1	0		EXHAUS	T 1	0.750	208	5.2
1				0.01													
IN	NTIC TYPE		220V 1 F	hase w	/ control	for 1 Exh	naust Far	PERA n, Exhaust Room ter	on in Fire, I	Lights out in sensor ship	Fire, Relay C ed loose for f	)n/Off with	Supply Fan,				
DWG NO	CP #4-1																
		ঢ়	<u>ج</u> ا														
T R		ROOM	TEMP														
СТ		HOOI RISE	D 11														
ECTIONS BE JOBSITE S																	
<u>O SHUNT</u> M SHUNT		SHUNT	COIL 10														
TACTOR_ TACTOR_			R_COIL														
	IMON																
RMALLY C	IMON																
		BMS SWI															
O GAS V. NEGA D D.	ALVE ATIVE	GAS SOL															
	IMON DPEN																

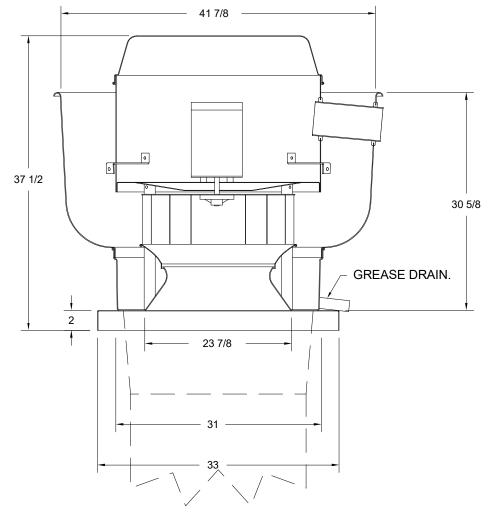




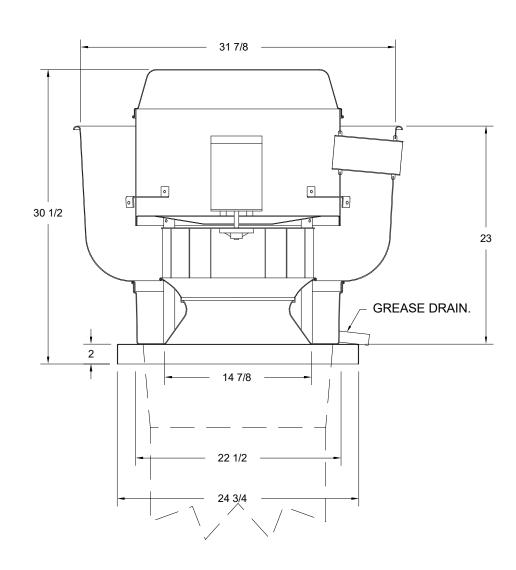
FAN INIT NO	52109 TAG			FAN UNIT I	MODEL #	MANUFACTU	RER CFM	ESP	RPM	MO <sup>-</sup> EN		HP	BHP	PHASE	VOLT	FLA		HARGE OCITY	≡	WEIGHT (LBS)	SONE	ΞS
1	KEF-1	1		DU180	HFA	CAPTIVEAIF	E 3150	0.750	1130	ODP,PF	EMIUM	1.500	1.0310	3	208	6.6	727	7 FPM		169	15.5	5
2	KEF-2	1		DU180	HFA	CAPTIVEAIF	RE 3175	1.500	1336	ODP,PF	EMIUM	3.000	1.7120	3	208	9.5	733	B FPM		183	19.9	9
3	KEF-3	1		DU180		CAPTIVEAI		1.500		ODP,PF			1.7120	3	208	9.5		3 FPM		183	19.9	
4 5	KEF-4 KEF-5	1		DU180		CAPTIVEAIF		1.000		ODP,PF			1.2740 1.8960	3	208 208	6.6 9.5		) FPM		176 183	23	
6	KEF-10	1		DU85		CAPTIVEAIF		1.000		TEAO			0.3760	1	208	5.2		6 FPM		88	11.2	
	FAN I		MATIC	DN -																		
°ANJ INIT <sup>#</sup> NO	52109 TAG	QTY		FAN UNIT	MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM		NCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONE
7	KMUA-1	1		A2-D.2	50-20D	20MF-2-MOD	A2-D.250	2000	2520	0.500	1109	ODP,P	REMIUM	1.500	0.7660	3	208	6.6	8.3A	15A	677	9.1
8	KMUA-2	1		A3-D.50	00-24D	24MF-3-MOD	A3-D.500	3500	5200	0.500	1261	ODP,P	REMIUM	5.000	3.9720	3	208	15.8	19.8A	35A	913	12
9	KMUA-3	1		A3-D.50	00-24D	24MF-3-MOD	A3-D.500	3500	5760	0.750	1427	ODP,P	REMIUM	10.000	5.7010	3	208	27.0	33.8A	60A	934	14.
10	KMUA-4	1		A3-D.50	00-24D	24MF-3-MOD	A3-D.500	3500	6600	0.500	1541	ODP,P	REMIUM	10.000	7.3480	3	208	27.0	35A	60A	966	16.
11	KMUA-5	1		A2-IBT-3	300-20D	20MF-2-MOD	A2-IBT-300	1200	3500	0.500	1342	ODP,P	REMIUM	2.000	1.5670	3	208	8.9	12.8A	20A	1200	12.
12	KMUA-6	1		A2-IBT-3	800-20D	20MF-2-MOD	A2-IBT-300	1200	3500	0.500	1342	ODP,P	REMIUM	2.000	1.5670	3	208	8.9	12.8A	20A	1200	12.
	FIRED											1										
ληλη Λίτ ΙΟ	(S)TAG		PUT Us	OUTPUT BTUs	TEMP RISE	REQUIRED INPL	T GAS PRESSI	JRE G	AS TYPE	BURN												
7	KMUA-1	_	528	161486	60°F	1 LB.	- 5 LB.	N	ATURAL	92												
8	KMUA-2			333226	60°F		- 5 LB.		ATURAL	92												
9	KMUA-3 KMUA-4		209 717	369112 422940	60°F		- 5 LB.		ATURAL	92												
11	KMUA-5	300	000	240000	63°F	1 LB.	- 5 LB.	N	ATURAL	80												
12	KMUA-6	300	000	240000	63°F	1 LB.	- 5 LB.	N	ATURAL	80												
<u>N</u> ANtr	ONS TAG																					
NÍT <sup>*</sup> NO	TAG	QTY					DESCRIPTION															
1	KEF-1	1		R PARTS W	ARRANTY.																	
2	KEF-2	1	2 YEA	R PARTS W	ARRANTY.																	
3	KEF-3	1	2 YEA		ARRANTY.																	
4	KEF-4	1		SE BOX.																		
		1			ARRANTY.																	
5	KEF-5	1		SE BOX. R PARTS V	ARRANTY.																	
6	KEF-10	1		SE BOX. /IRING PA	CKAGE - PWM S	IGNAL FROM ECPN	03 PREWIRE (	TELCO MO	TOR), CCW	ROTATIO	۱.											
		1			/ARRANTY. E GAUGE, 0-35".																	
		1	MANIF	OLD PRES	SURE GAUGE, -	5 TO 15" WC.																
		1	CURB	DUCT HAN	IGER.	ER FOR A2-D HOUS																
7	KMUA-1	1	VFD) -	THREE	WIRING PACKA	GE (REQUIRED AND	USED ONLY F	OR DCV OF	RPREWIRE	WIIH												
,		1			RED HEATER LO	OW CFM PROFILE F	ACKAGE - USE	D ON HEAT	FERS UNDE	R 2500												
		1		PSI HIGH G	GAS PRESSURE	REGULATOR.																
		1		IRE STAR	r. /Arranty.																	
		1	INLET	PRESSUR	E GAUGE, 0-35". SURE GAUGE, -	5 TO 15" W/C																
		1	МОТО	RIZED BAC	KDRAFT DAMPI	ER FOR A3-D HOUS	ING - MEETS A	MCA CLAS	S 1A RATIN	G.												
•		1	SEPAR	DUCT HAN RATE 120V THREE		GE (REQUIRED AND	USED ONLY F	OR DCV OF	R PREWIRE	WITH												
8	KMUA-2	1	PHASE	ONLY.	GAS PRESSURE	REGULATOR.																
		1	LOW F	IRE STAR	г.																	
		1	2 YEA	R PARTS W	ARRANTY.																	
		1			SURE GAUGE, - CKDRAFT DAMPI	5 TO 15" WC. ER FOR A4-D HOUS	ING - MEETS A	MCA CLAS	S 1A RATIN	G.												
		1	SEPAR			GE (REQUIRED AND	USED ONLY F	OR DCV OF	R PREWIRE	WITH												
9	KMUA-3	1	PHASE	THREE <u>EONLY.</u> PRESSUR	E GAUGE, 0-15#																	
		1	-		r. /ARRANTY.																	
		1			E GAUGE, 0-35".																	
		1			SURE GAUGE, -																	
		1				ER FOR A3-D HOUS R/ALARM INTERLO	-			G.												
10	KMUA-4	1		DUCT HAN PSI HIGH G	IGER. GAS PRESSURE	REGULATOR.																
		1	LOW F	IRE STAR	Г.																	
		1	VAV P	ACKAGE W	// MANUAL CON	TROL (VFD INCLUD	ED).															
		1			E GAUGE, 0-35". SURE GAUGE. (	) TO 10" WC, 1 FUR	NACE.															
		1	мото	RIZED BAC	KDRAFT DAMPI	ER FOR A2-I HOUSI	NG - MEETS AN															
		1	USED	ON THE IB	T HEATER,	RALARM INTERLO		Ϋ́Ν̈́ΟΝ-ĎĊV	PREWIRE	\$												
1/ 12	KMUA-5 / KMUA-6		BE SE	LECTED. D	DO NOT PROVID	E SUPPLY STARTE	RIN															
12		1	CLOG	GED FILTE	R SWITCH - NOT	FIFICATION ON HMI																
		1	LOAD	REACTOR	MOUNTED IN FA		,															
		1				VIRED IN IBT COMM RRANTY, 25 YEAR S				WARRANT	Y											
JRI	3																					
	ENGIBLIE FAN	<i>S</i> т	AG		WEIGHT	ITEM					SIZ	Έ										
1	# 1		F-1		41 LBS	CURB			'L X 20.000"  'L X 20.000"			,										
2	# 2 # 3		F-2 F-2		41 LBS 41 LBS	CURB	26.500"\	V X 26.500'	'L X 20.000"  'L X 20.000"	H ALONG	ENGTH	, RIGHT	/ENTED	HINGED	•							
3						1					-	_										
3 4 5	# 4 # 5		F-4 F-5		41 LBS 41 LBS	CURB CURB			'L X 20.000"  'L X 20.000"			I, RIGHT V I, RIGHT V										



# FAN #4 (KEF-4) - DU240HFA EXHAUST FAN FAN #5 (KEF-5) - DU240HFA EXHAUST FAN



# FAN #6 DU85HFA - EXHAUST FAN (KEF-10)



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# FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). - ROOF MOUNTED FANS. - RESTAURANT MODEL.

- UL705 AND UL762 AND ULC-S645 - VARIABLE SPEED CONTROL.

- INTERNAL WIRING. - THERMAL OVERLOAD PROTECTION (SINGLE PHASE). - HIGH HEAT OPERATION 300°F (149°C). - GREASE CLASSIFICATION TESTING.

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

- NEMA 3R SAFETY DISCONNECT SWITCH.

ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

GREASE BOX. 2 YEAR PARTS WARRANTY.

# FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).

- ROOF MOUNTED FANS. - RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING. - THERMAL OVERLOAD PROTECTION (SINGLE PHASE). - HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING. - NEMA 3R SAFETY DISCONNECT SWITCH.
- NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY

DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION. ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS

AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

**OPTIONS** GREASE BOX.

2 YEAR PARTS WARRANTY.

# FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). - ROOF MOUNTED FANS.

- RESTAURANT MODEL. - UL705 AND UL762 AND ULC-S645

- VARIABLE SPEED CONTROL. - INTERNAL WIRING. - THERMAL OVERLOAD PROTECTION (SINGLE PHASE). - HIGH HEAT OPERATION 300°F (149°C). - GREASE CLASSIFICATION TESTING. - NEMA 3R SAFETY DISCONNECT SWITCH.

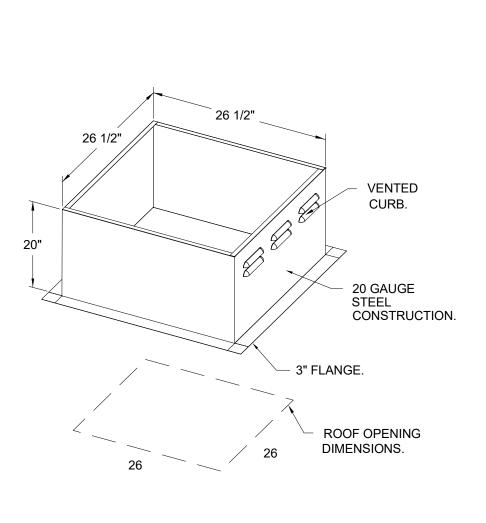
NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

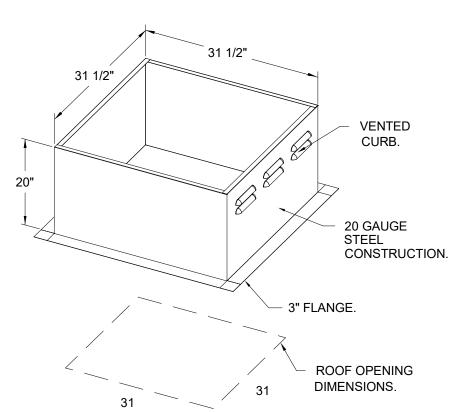
ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF

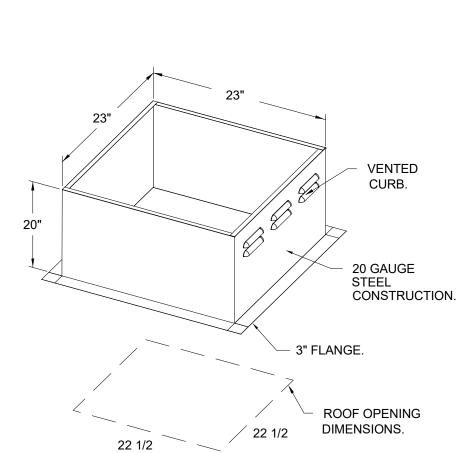
15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

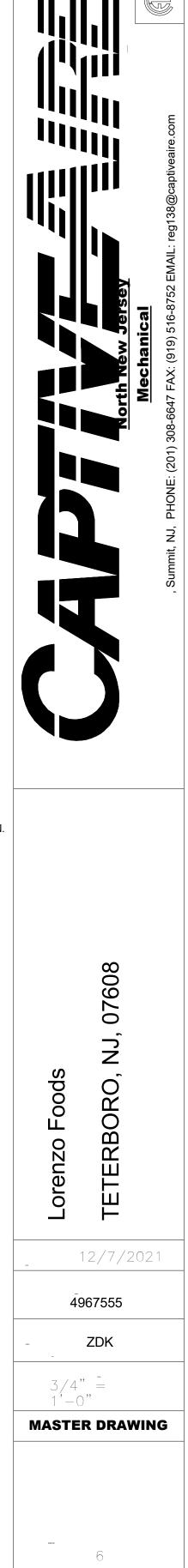
<u>OPTIONS</u> GREASE BOX.

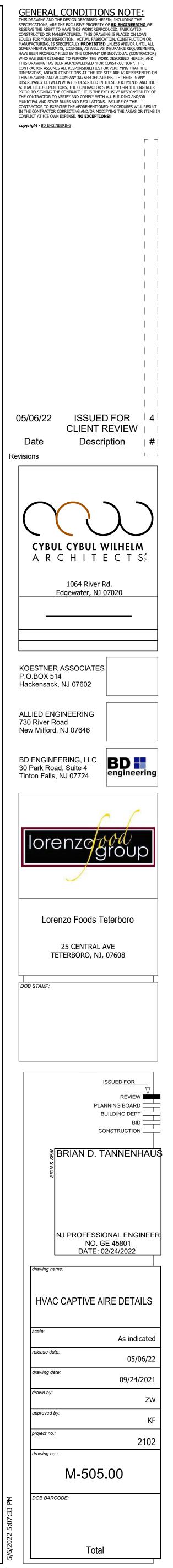
ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION. 2 YEAR PARTS WARRANTY.



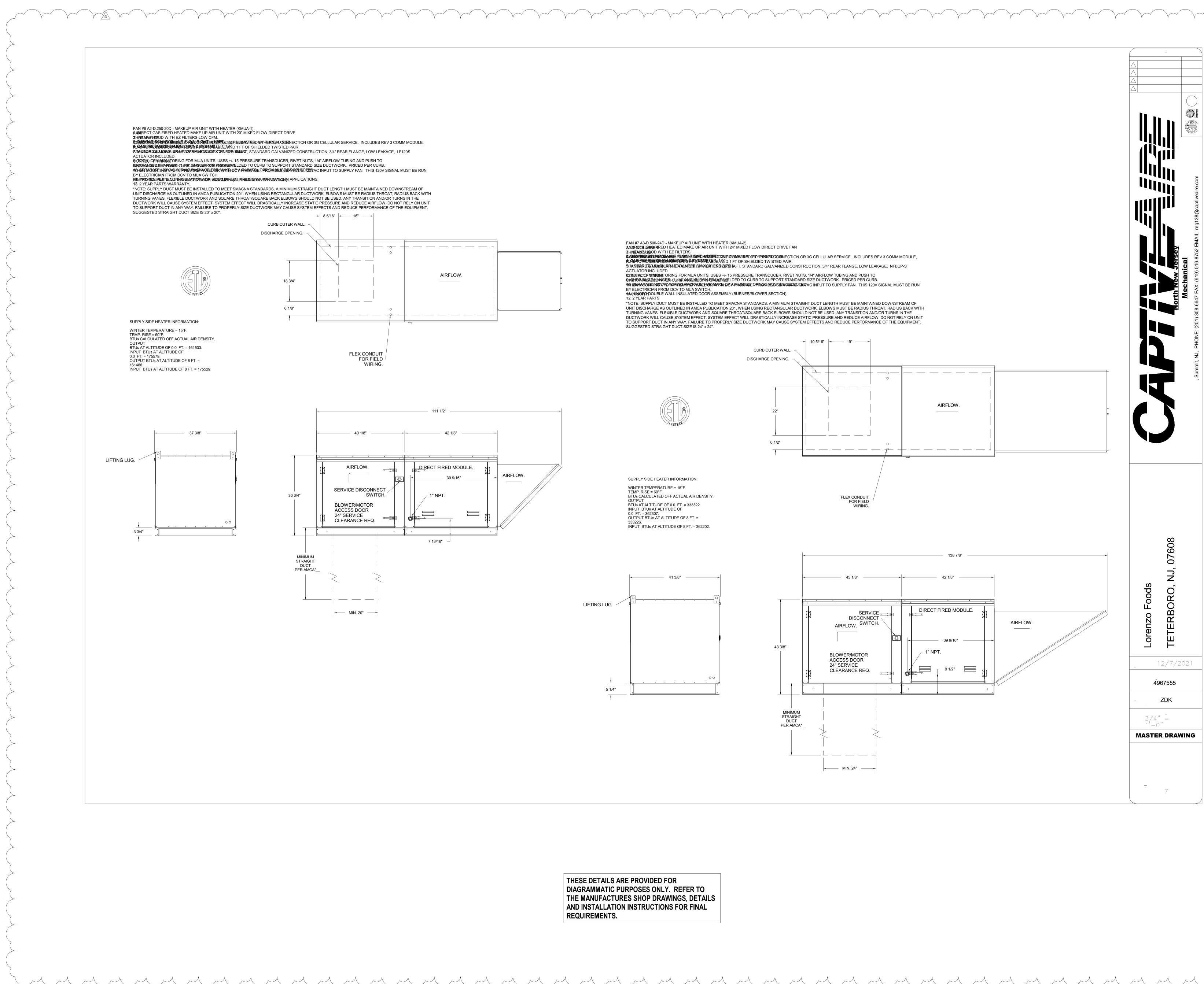


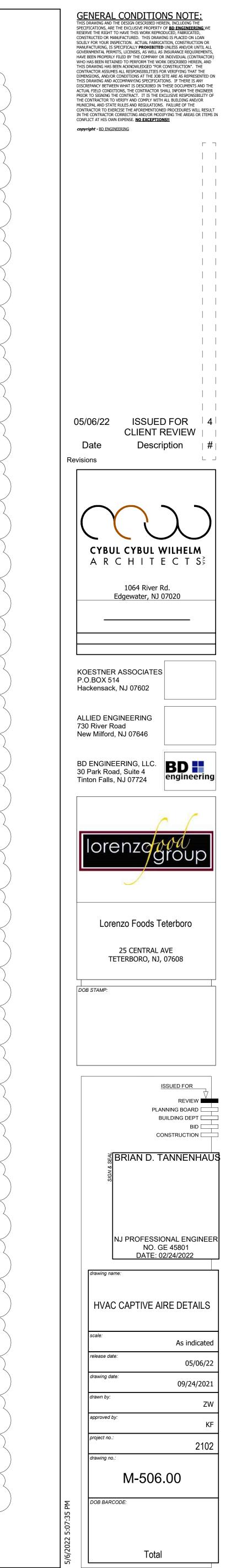


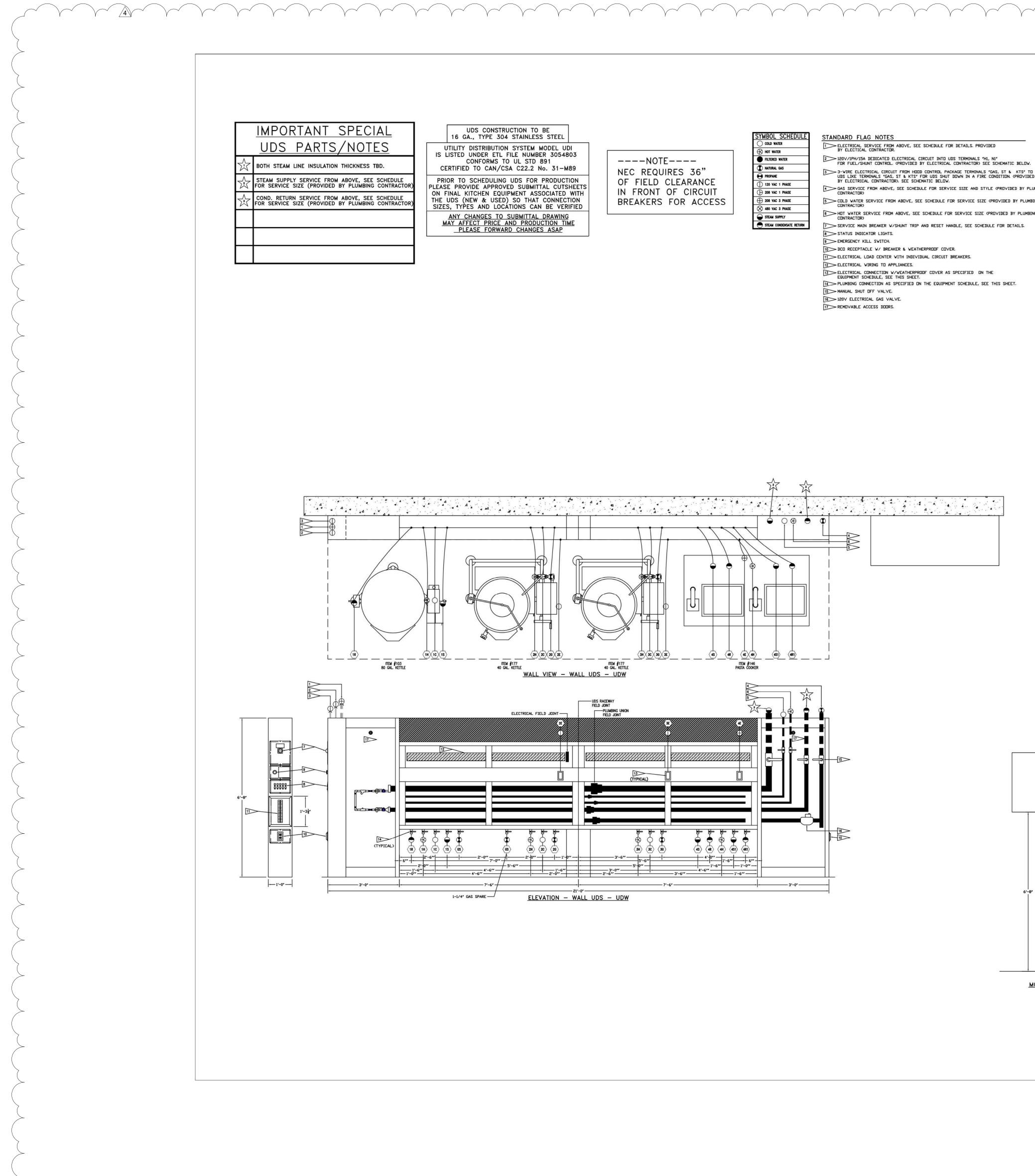




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SYN	BOL SCHEDUL
0	COLD WATER
B	HOT WATER
•	FILTERED WATER
٢	NATURAL GAS
0	PROPANE
Φ	120 VAC 1 PHASE
Φ	208 VAC 1 PHASE
$\oplus$	208 VAC 3 PHASE
$\otimes$	480 VAC 3 PHASE
0	STEAM SUPPLY
Õ	STEAM CONDENSATE RETURN

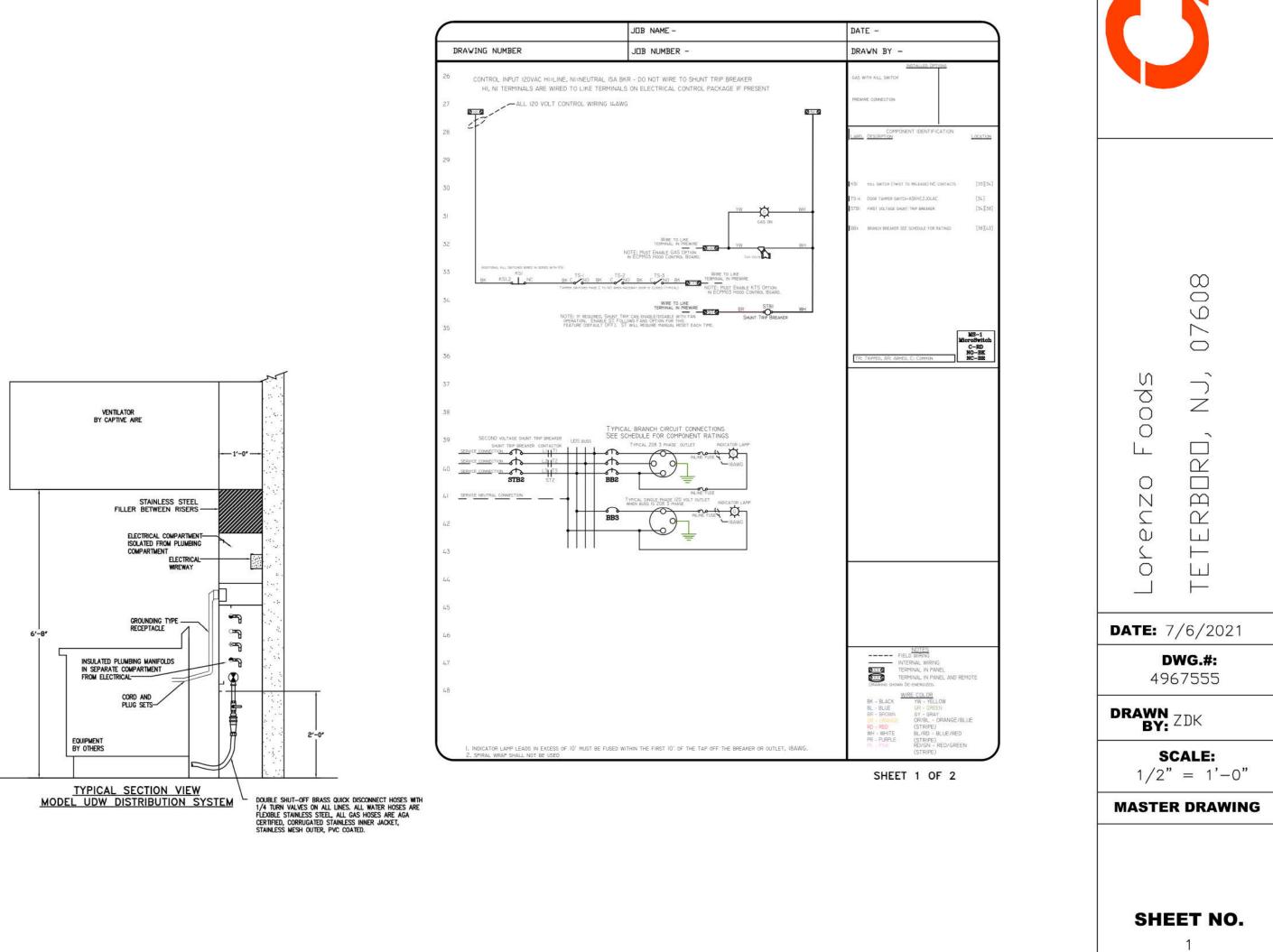
3 - WIRE ELECTRICAL CIRCUIT FROM HODD CONTROL PACKAGE TERMINALS 'GAS, ST & KTS' TO UDS LIKE TERMINALS 'GAS, ST & KTS' FOR UDS SHUT DOWN IN A FIRE CONDITION. (PROVIDED BY ELECTRICAL CONTRACTOR). SEE SCHEMATIC BELOW.

GAS SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE AND STYLE (PROVIDED BY PLUMBING CONTRACTOR)

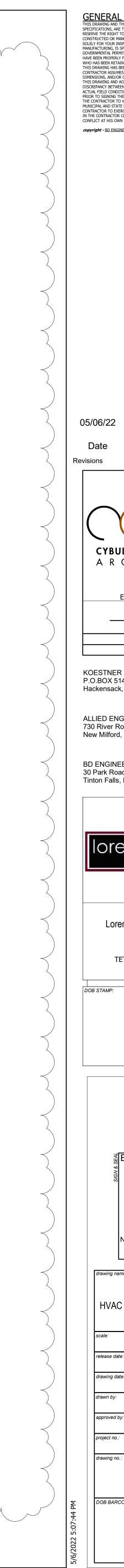
5 COLD WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE (PROVIDED BY PLUMBING CONTRACTOR) B HOT WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE (PROVIDED BY PLUMBING 

ELECTRICAL CONNECTION W/WEATHERPROOF COVER AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.

				UTILI	ΓY	DIS	ΓRΙ	BU	ГIС	N SYS	STEM	EQUI	PM	ΕN	ΤS	SCH	IEDI	JLE				
		E	QUIPMENT			EL	ECTRIC	AL		CIRCUIT	BREAKER	RECEPTACLE	G	AS	W	ATER		STEAM		CONNECTION	N	NOTES
CONN.#	ITEM	DESCRIPTION	MANUFACTURER	MODEL #	KW.	AMPS	HP	VOLT	PH	AMPS	POLES	PART #	SIZE	MBH	нот	COLD	SUPPLY	COLD RETURN	LBS/HR	TYPE	LENGTH	NOTES
1S	103	80 GAL. KETTLE	GROEN	DL-80	-	-	-		-		141	1	-	2	×	~	3/4"	240	-	QUICK DISCONNECT	5'	-
1R	103	80 GAL. KETTLE	GROEN	DL-80	-	-	353		-	100		æ	250	æ			3 <b>1</b> 0	3/4"	- 194	QUICK DISCONNECT	5'	-
1C	103	80 GAL. KETTLE	GROEN	DL-80	•	•							3	2		1/2"				QUICK DISCONNECT	5'	
1H	103	80 GAL. KETTLE	GROEN	DL-80	-	÷	-	÷	3	-	-	-	-	0	1/2"	-	<u>ن</u>	3	(-)	QUICK DISCONNECT	5'	7
2E	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T	1.2	10.0	-	120	1	20	1	DR20	~÷	÷	*	<u>.</u>	~	500	140	SUPPLIED	-	GFI BREAKER
2G	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T		-	18	- 14	10	()×:	-		3/4"	140	-	1	- 19		(-1	QUICK DISCONNECT	5'	÷
2C	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T		-	10	-	1993			-	-	×	-	1/2"	**		(*)	QUICK DISCONNECT	5'	-
2H	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T	-			17	-	117					1/2"					QUICK DISCONNECT	5'	
3E	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T	1.2	10.0	12.00	120	1	20	1	DR20	~		-		1.00	100	100	SUPPLIED		GFI BREAKER
3G	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T	-	-	823	4	100	323	- 32	1929	3/4"	140	-	$\sim$	~	123	120	QUICK DISCONNECT	5'	1
3C	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T		*	-		$\sim$	()#2			~	×	×	1/2"	$\sim$	300	(*)	QUICK DISCONNECT	5'	-
3H	177	40 GAL. KETTLE	CLEVELAND	KGL-40-T	-	÷	20 <b>4</b> -5		-			~			1/2"				(a)	QUICK DISCONNECT	5'	-
4E	146	PASTA COOKER	NILMA	DOUGH-O-MAT C40/2	1.5	4.2	-	208	3	15	3	L15-20R	-	-	-	-	-	-	-	CORD & PLUG	6'	GFI BREAKER
4S	146	PASTA COOKER	NILMA	DOUGH-O-MAT C40/2	-	2	12	4	-	(327)	-	9 <b>2</b> 5		2	-	-	3/4"	24	2	QUICK DISCONNECT	5'	-
451	146	PASTA COOKER	NILMA	DOUGH-O-MAT C40/2	-	-					-	-	-		-		3/4"	ΛΛΛ	-	QUICK DISCONNECT	5'	2 7
4R	146	PASTA COOKER	NILMA	DOUGH-O-MAT C40/2	-	-	14	-		-	-		- 22	<u>_</u>		- 22	-	W H2 W	Υ <u>-</u>	QUICK DISCONNECT	5'	-
4R1	146	PASTA COOKER	NILMA	DOUGH-O-MAT C40/2	•	-	16			-	-			3	3	6	÷	1/2"	-	QUICK DISCONNECT	5'	
4H	146	PASTA COOKER	NILMA	DOUGH-O-MAT C40/2		-	855			æ	190			÷	3/4"					QUICK DISCONNECT	5'	-
D1		DUPLEX OUTLET	-	-	-	-		120	1	20	1	DR20		÷	-		्र			FACTORY	•	GFI BREAKER
D2	55	DUPLEX OUTLET	-	-	-	-	87	120	1	20	1	DR20			-				570	FACTORY		GFI BREAKER
OTAL	CONNE	ECTED LOAD:	•	3.9	KW.	10.9	AMP	0.0	KW.	0.0	AMP	280	M	BH	Н	w.		STEAM SUPPL	Ŷ		EGEND	
UTURE	AVAIL	ABLE LOAD CA	PACITY:	10.5	KW.	29.1	AMP	0.0	KW.	0.0	AMP	270	M	BH		1"		3"		SB = STRAIG	PER HOUR (1000 HT BLADE PLUG ST LOCK PLUGS	
YSTEN	CAPA	CITY:		14.4	KW.	40.0	AMP	0.0	KW.	0.0	AMP	550	M	BH	C	.W.		COND. RETUR	N	PS = PIN 8 DCO = DUAL CO	SLEEVE PLUGS	TLET
ERVIC	SIZE:			120/208 V/ 3	PH/ 5	0 AMP			١	// PH/ AMF	,	1-1/2" IP	S SING	GLE		1"		1351		DIRECT = C	ONDUIT & WIRE	8 <sup>746</sup>



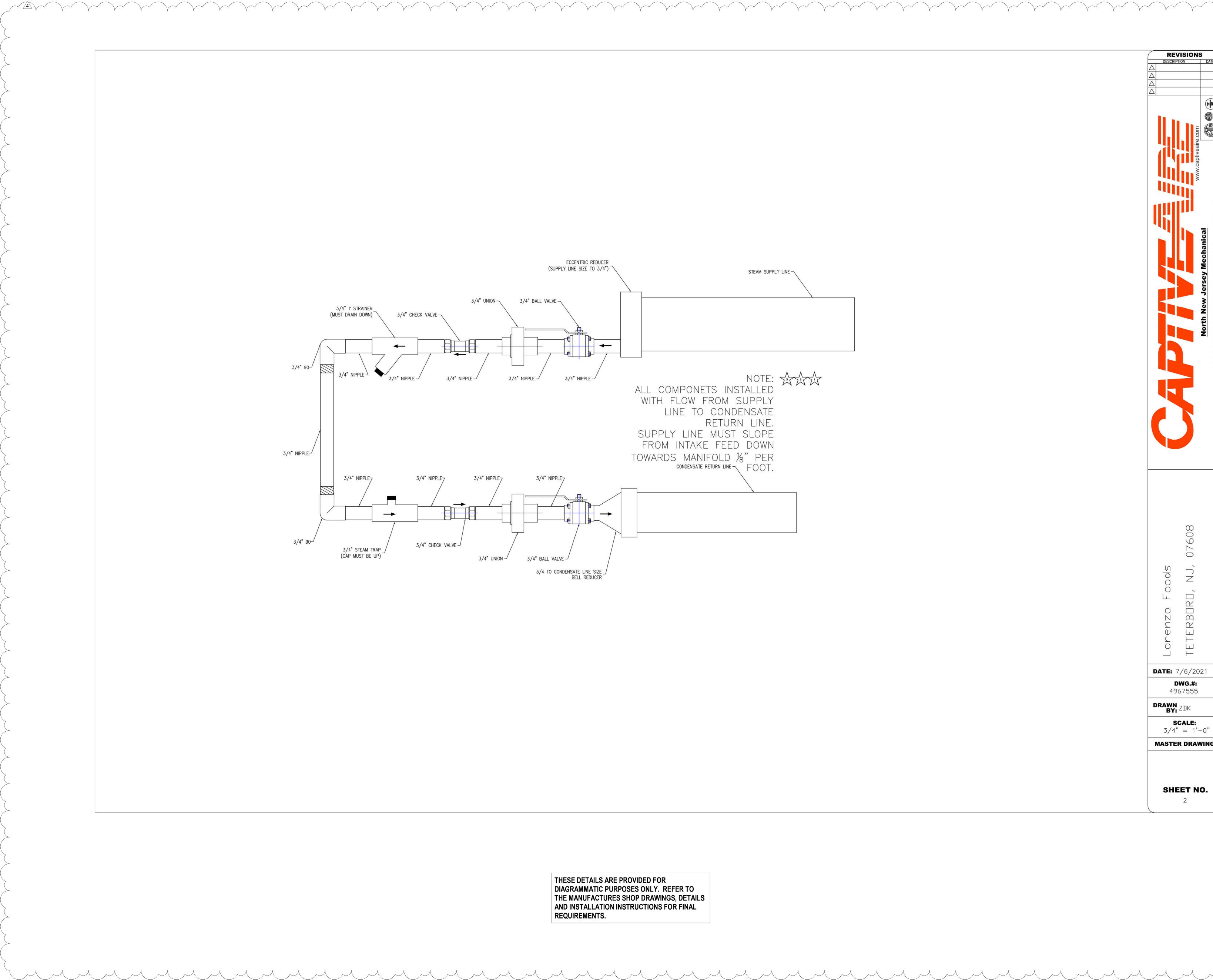
THESE DETAILS ARE PROVIDED FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO THE MANUFACTURES SHOP DRAWINGS, DETAILS AND INSTALLATION INSTRUCTIONS FOR FINAL **REQUIREMENTS.** 



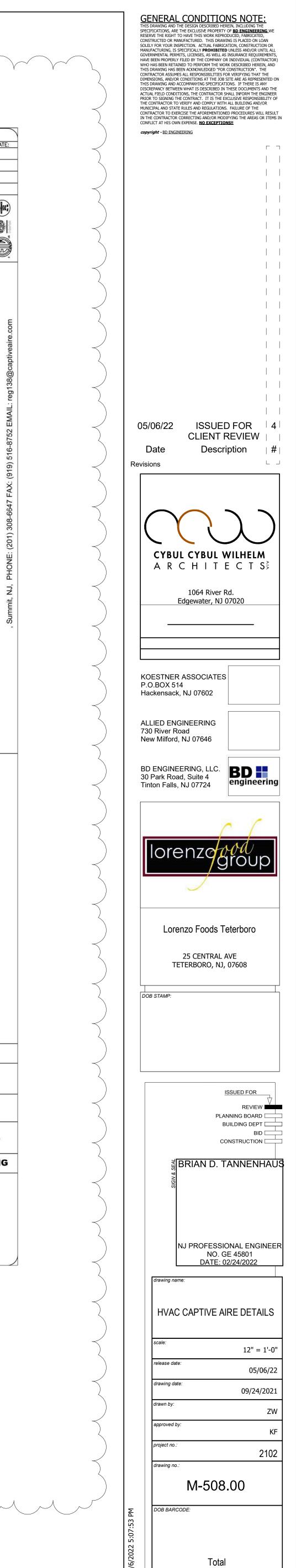
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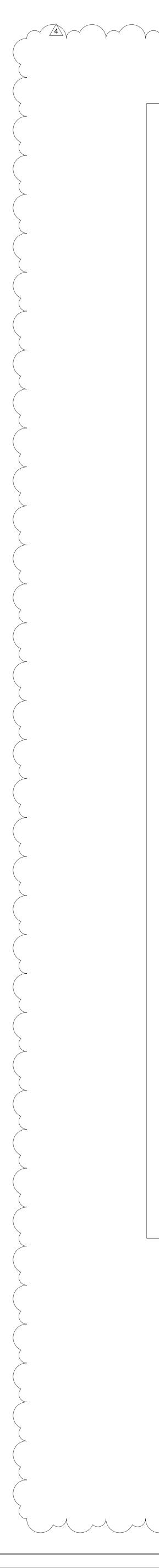
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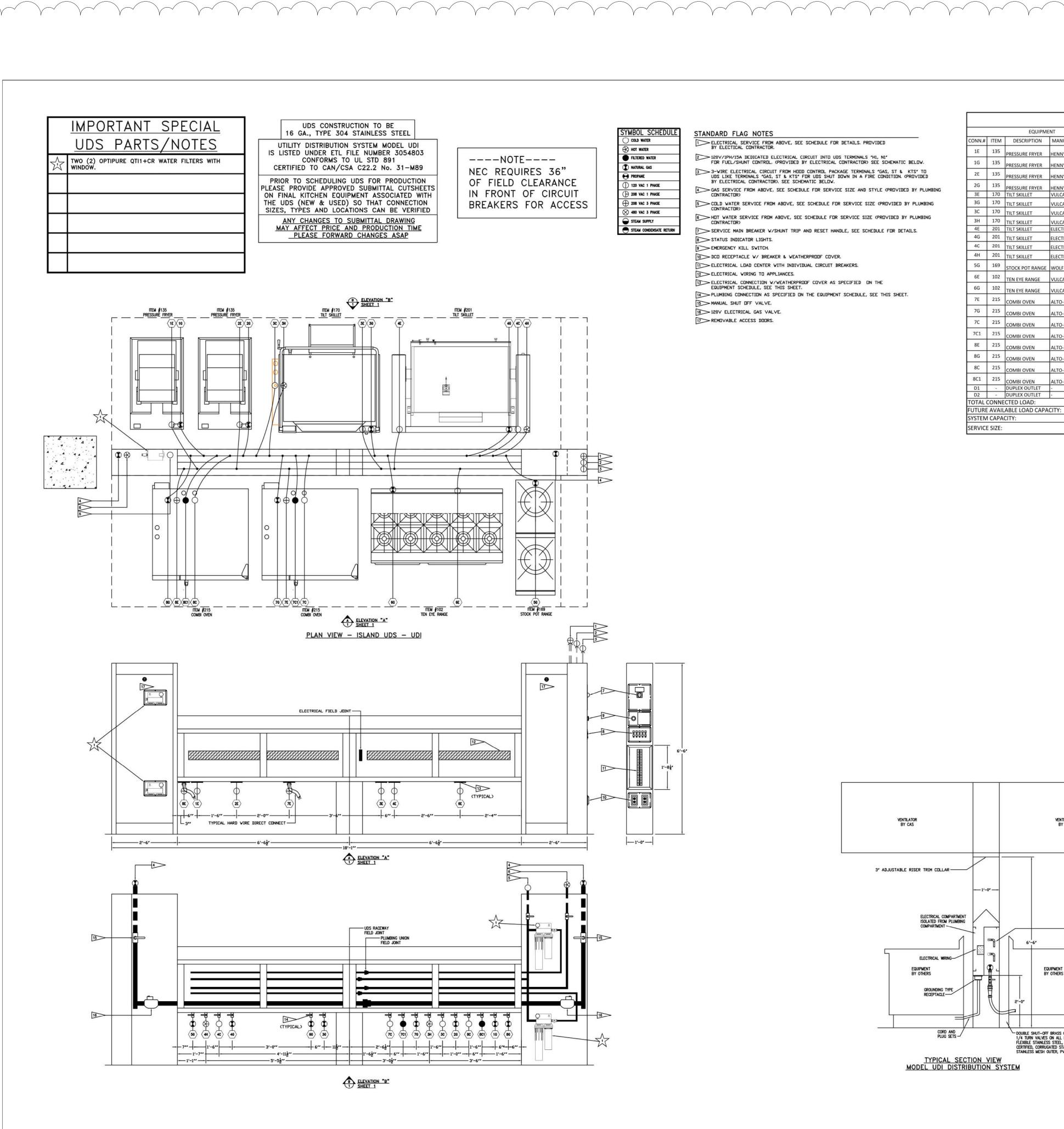




	/ISION	DATE:
		North New Jersey Mechanical , Summit, NJ, PHONE: (201) 308-6647 FAX: (919) 516-8752 EMAIL: reg138@captiveaire.com
	TETERBORD, NJ, 07608	21
D 49 DRAWN BY:	WG.#: 67555 ZDK CALE: ' = 1'-	-0"
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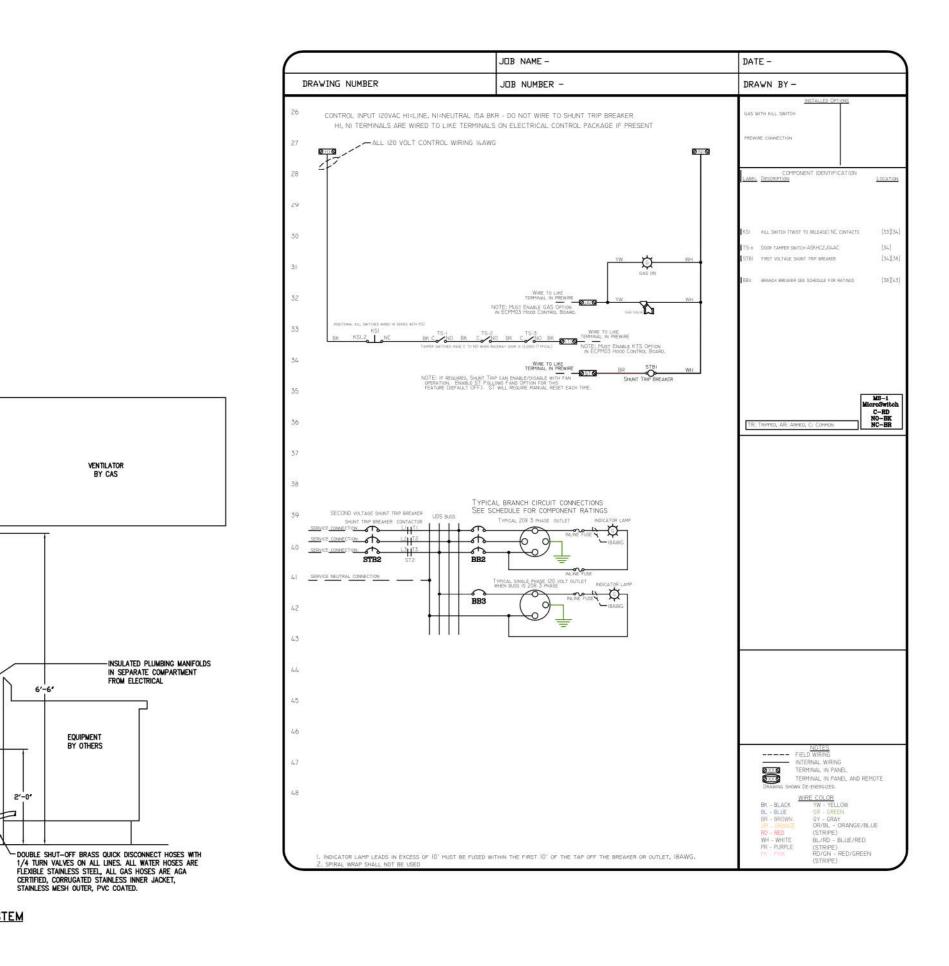


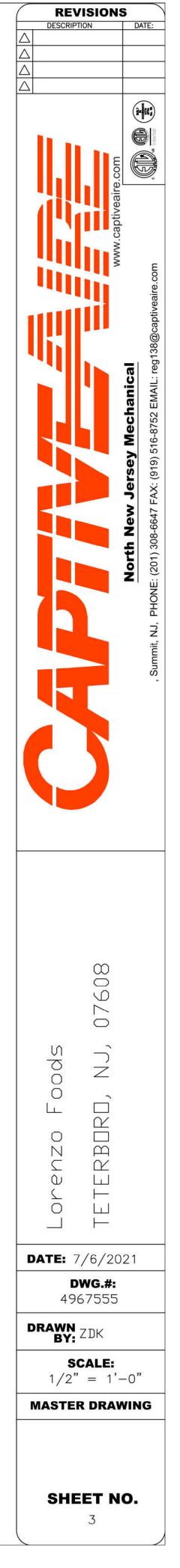
Equipment By others

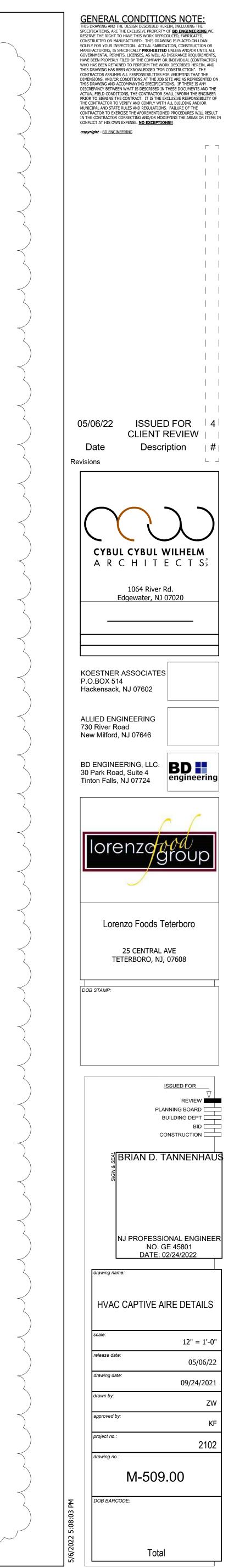
EQUIPMENT

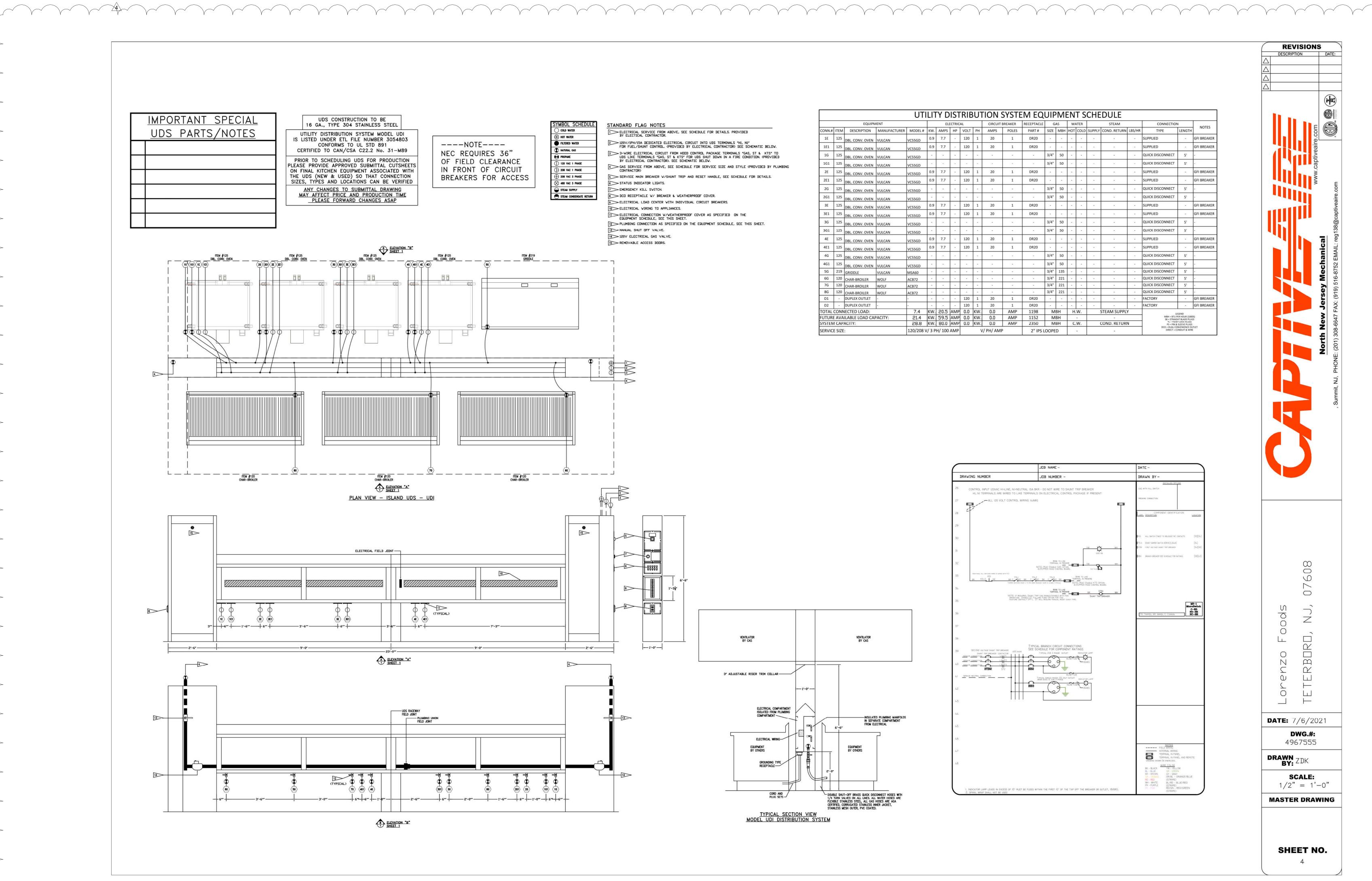
THESE DETAILS ARE PROVIDED FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO THE MANUFACTURES SHOP DRAWINGS, DETAILS AND INSTALLATION INSTRUCTIONS FOR FINAL **REQUIREMENTS.** 

NY PENNY         PFG-691         1.2         1.0         1         20         1         20         1         DR20         1									0.01							EDULE				
NY PENNY         PFG-691         1.2         1.0         1         20         1         20         1         DR20         1				ELE	ECTRIC	AL		CIRCUIT I	BREAKER	RECEPTACLE	G	AS	W	ATER		STEAM		CONNECTIO	1	NOTES
INT PENNY       PGG-691       I	JFACTURER	MODEL #	KW.	AMPS	HP	VOLT	PH	AMPS	POLES	PART #	SIZE	MBH	нот	COLD	SUPPLY	COND. RETURN	LBS/HR	TYPE	LENGTH	NOTES
NY PENNY     PFG-691     1.2     1.0     1     2.0     1     DR20     -     <	PENNY	PFG-691	1.2	10.0		120	1	20	1	DR20		100	ार ।			-	*	SUPPLIED		GFI BREAKER
INP PENNP         PFG-691         I <thi< th="">         I         I</thi<>	PENNY	PFG-691	2	328	-	12	-	12	2	2	3/4"	100	- 22	2	2	2	3	QUICK DISCONNECT	5'	9
INTERNITY       PFG-91	PENNY	PFG-691	1.2	10.0	2	120	1	20	1	DR20	3	1		2	12	2	3. F	SUPPLIED	-	GFI BREAKER
CAN       VG40       -       -       -       -       3/4"       120       -       -       -       QUICK DISCONNECT         CAN       VG40       -       -       -       -       -       -       -       1/2"       -       -       QUICK DISCONNECT         CAN       VG40       -       -       -       -       -       -       1/2"       -       -       -       QUICK DISCONNECT         CAN       VG40       -       -       -       -       -       -       1/2"       -       -       -       QUICK DISCONNECT         CAN       VG40       -       -       -       1       20       1       DR20       -       -       1/2"       -       -       QUICK DISCONNECT         CTROLUX       587028       -       -       -       -       -       3/4"       100       -       1/2"       -       -       QUICK DISCONNECT         CTROLUX       587028       -       -       -       -       -       1/2"       -       -       QUICK DISCONNECT         CTROLUX       587028       -       -       -       -       1/2"       -       -	PENNY	PFG-691	-	-	-	-	-	2	-		3/4"	100	-	14	-	2	-	QUICK DISCONNECT	5'	2
ICAN         VG40         I </td <td>N</td> <td>VG40</td> <td>1.1</td> <td>9.0</td> <td>-</td> <td>120</td> <td>1</td> <td>20</td> <td>1</td> <td>DR20</td> <td></td> <td>- (*)</td> <td></td> <td>. e</td> <td>( * ).</td> <td>-</td> <td>*</td> <td>SUPPLIED</td> <td></td> <td>GFI BREAKER</td>	N	VG40	1.1	9.0	-	120	1	20	1	DR20		- (*)		. e	( * ).	-	*	SUPPLIED		GFI BREAKER
CAN         VG40         - <td>N</td> <td>VG40</td> <td>-</td> <td>190</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>3/4"</td> <td>120</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>QUICK DISCONNECT</td> <td>5'</td> <td>71</td>	N	VG40	-	190	-		-		-		3/4"	120					-	QUICK DISCONNECT	5'	71
CAN         O         Image: Constraint of the constraint of	N	VG40	8	1.70		18								1/2"		-		QUICK DISCONNECT	5'	3
STROLUX       STROLUX       STROLUX       STROLUX       120       1       200       1       DR20       -	N	VG40			-	-	-		*	÷	-		1/2"	-	-		-	QUICK DISCONNECT	5'	-
CTROLIX       SA7028       C <thc< th="">       C       C       C       <th< td=""><td>ROLUX</td><td></td><td>1.2</td><td>10.0</td><td>-</td><td>120</td><td>1</td><td>20</td><td>1</td><td>DR20</td><td></td><td>( /ac.)</td><td>-</td><td>-</td><td>-</td><td></td><td>-</td><td>SUPPLIED</td><td>-</td><td>GFI BREAKER</td></th<></thc<>	ROLUX		1.2	10.0	-	120	1	20	1	DR20		( /ac.)	-	-	-		-	SUPPLIED	-	GFI BREAKER
CTROLOX       S87028       -       -       -       -       -       -       -       1/2"       -       -       -       QUICK DISCONNECT         LF       WSPR2F       -       -       -       -       -       -       -       -       1/2"       -       -       -       QUICK DISCONNECT         LF       WSPR2F       -       -       -       -       -       -       -       -       -       -       -       QUICK DISCONNECT         CAN       60SS-10B       0.5       4.0       -       120       1       DR0       -       -       -       -       -       -       -       -       -       -       -       -       QUICK DISCONNECT         CAN       60SS-10B       0.5       4.0       -       120       1       DR20       -       -       -       -       -       -       -       -       -       -       -       -       -       QUICK DISCONNECT         CAN       60SS-10B       -       9.6       -       208       3       15       3       -       -       -       -       -       -       -       -       - <th< td=""><td>ROLUX</td><td>587028</td><td>-</td><td>343</td><td>-</td><td>-</td><td>-</td><td>-</td><td>2</td><td>-</td><td>3/4"</td><td>100</td><td>-</td><td>12</td><td>2</td><td>-</td><td></td><td>QUICK DISCONNECT</td><td>5'</td><td>2</td></th<>	ROLUX	587028	-	343	-	-	-	-	2	-	3/4"	100	-	12	2	-		QUICK DISCONNECT	5'	2
INCOM       387028       I <thi< td=""><td>ROLUX</td><td>587028</td><td>2</td><td>(iii)</td><td></td><td>1</td><td>-</td><td>-</td><td>2</td><td>-</td><td>-</td><td><u>.</u></td><td>-</td><td>1/2"</td><td>-</td><td>-</td><td>-</td><td>QUICK DISCONNECT</td><td>5'</td><td>-</td></thi<>	ROLUX	587028	2	(iii)		1	-	-	2	-	-	<u>.</u>	-	1/2"	-	-	-	QUICK DISCONNECT	5'	-
LF       WSR2F       I       I       I       I       I       I       I       I       DR       DI       DR       DI       DI       DI       DI       DI       DI <t< td=""><td>ROLUX</td><td>587028</td><td>2</td><td>120</td><td>-</td><td>1</td><td>-</td><td>2</td><td>2</td><td>-</td><td>-</td><td>120</td><td>1/2"</td><td>2</td><td></td><td>-</td><td>-</td><td>QUICK DISCONNECT</td><td>5'</td><td>2</td></t<>	ROLUX	587028	2	120	-	1	-	2	2	-	-	120	1/2"	2		-	-	QUICK DISCONNECT	5'	2
CAN       BOSS-10B       I <thi< td=""><td></td><td>WSPR2F</td><td></td><td>1.70</td><td></td><td></td><td>-</td><td></td><td>6</td><td></td><td>3/4"</td><td>220</td><td>1.00</td><td></td><td>-</td><td>-</td><td>6</td><td>QUICK DISCONNECT</td><td>5'</td><td>3</td></thi<>		WSPR2F		1.70			-		6		3/4"	220	1.00		-	-	6	QUICK DISCONNECT	5'	3
CAN       605S-10B       C <thc< td=""><td>N</td><td>60SS-10B</td><td>0.5</td><td>4.0</td><td></td><td>120</td><td>1</td><td>20</td><td>1</td><td>DR20</td><td></td><td>1.0</td><td></td><td></td><td></td><td>-</td><td></td><td>SUPPLIED</td><td></td><td>GFI BREAKER</td></thc<>	N	60SS-10B	0.5	4.0		120	1	20	1	DR20		1.0				-		SUPPLIED		GFI BREAKER
OSSHAAM       CTP20-20G       C <thc< th="">       C       C</thc<>	N	60SS-10B	2	- 20	4	12	-	2	5	-	1"	358	- 22	<u>u</u>	2	2	-	QUICK DISCONNECT	5'	2
O-SHAAM       CTP20-20G       ·	SHAAM	CTP20-20G	2.0	9.6	-	208	3	15	3	-	-	-	-	2	ų.	2	2	DIRECT	8'	CONDUIT & WIR
O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT         O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT         O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT         O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT         O-SHAAM       CTP20-20G       ·	5HAAM	CTP20-20G	•			-	-				3/4"	266			-			QUICK DISCONNECT	5'	-
O-SHAAM       CTP20-20G       2.0       9.6       -       208       3       15       3       -       -       -       -       -       -       Direct       Direct         D-SHAAM       CTP20-20G       2       9.6       -       208       3       15       3       -       -       -       -       -       Direct	SHAAM	CTP20-20G	•			18	-			•	÷			3/4"	•	•	•	QUICK DISCONNECT	5'	-
O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT         O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT         O-SHAAM       CTP20-20G       ·       ·       ·       ·       ·       ·       ·       ·       ·       ·       QUICK DISCONNECT	SHAAM	CTP20-20G	-	1.00	-		-	-	-	-	-			3/4"	-		-	QUICK DISCONNECT	5'	FILTERED
O-SHAAM         CTP20-20G         ·	SHAAM	CTP20-20G	2.0	9.6		208	3	15	3		-		•	-	3			DIRECT	8'	CONDUIT & WIRI
	SHAAM	CTP20-20G	×	140	÷	3	-	ч.	×	*	3/4"	266	-	-	2	л.	4	QUICK DISCONNECT	5'	2)
D-SHAAM CTP20-20G	SHAAM	CTP20-20G	2			3	÷	4	2	2	12	1.4		3/4"	2	-	24	QUICK DISCONNECT	5'	2
	SHAAM	CTP20-20G	-	-		-	×	-	-	-	-	3	•	3/4"	-	×	-	QUICK DISCONNECT	5'	FILTERED
		÷		1	-		1		1		-	1	-	-		÷	×		-	GFI BREAKER
120 1 20 1 DR20 FACTORY		-	1												-	-		FACTORY		GFI BREAKER
					-					-							Y		LEGEND	
SB = STRAG AVVI 010 AVVI 1370 AVVI 1													-	-	-	-	145	SB = STE	TU PER HOUR (1	LUGS
28.8 KW. 80.0 AMP 0.0 KW. 0.0 AMP 2900 MBH C.W. COND. RETURN PS = PM & DCO = DUAL CO		28.8	KW.	80.0	AMP	0.0	KW.	0.0	AMP	2900	M	BH	C	.W.		COND. RETURN	N	PS = P	WIST LOCK PLU IN & SLEEVE PLU	JGS

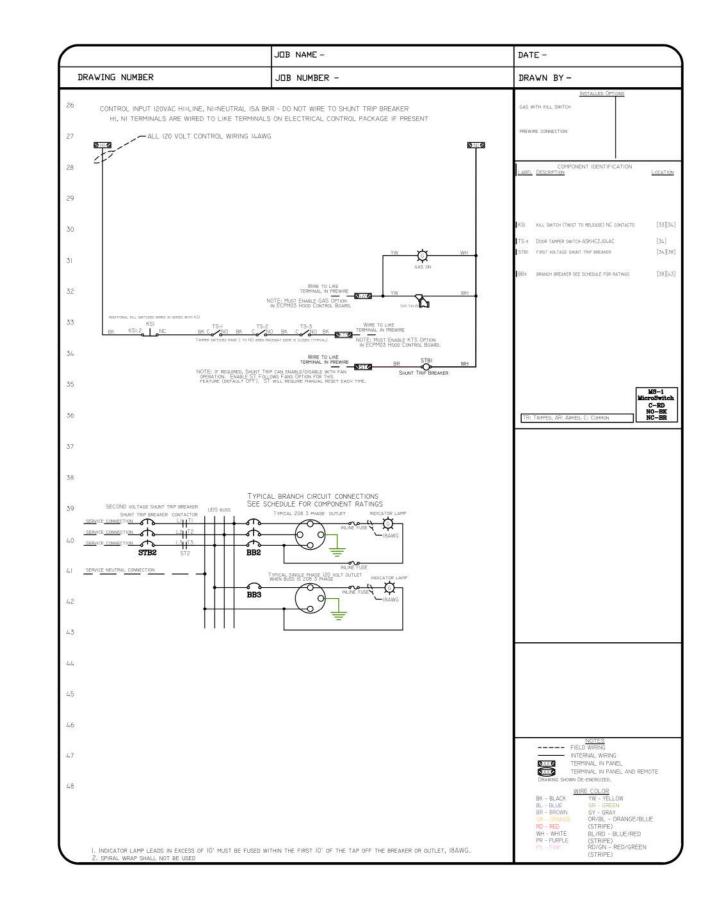


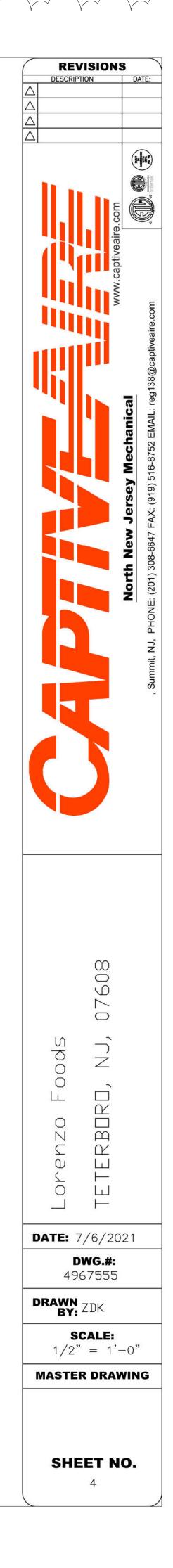


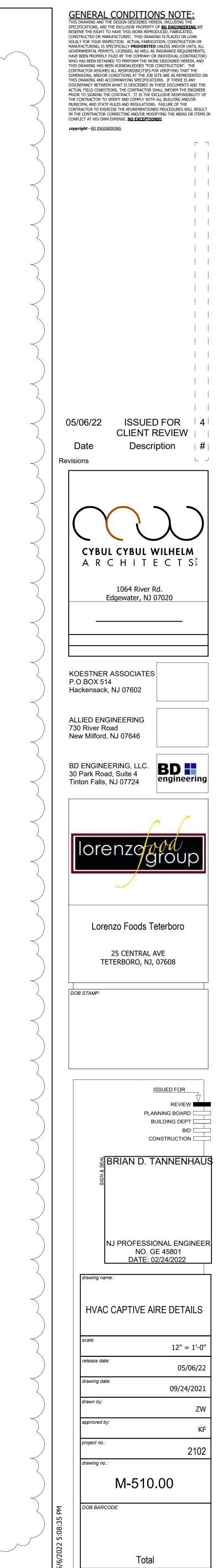




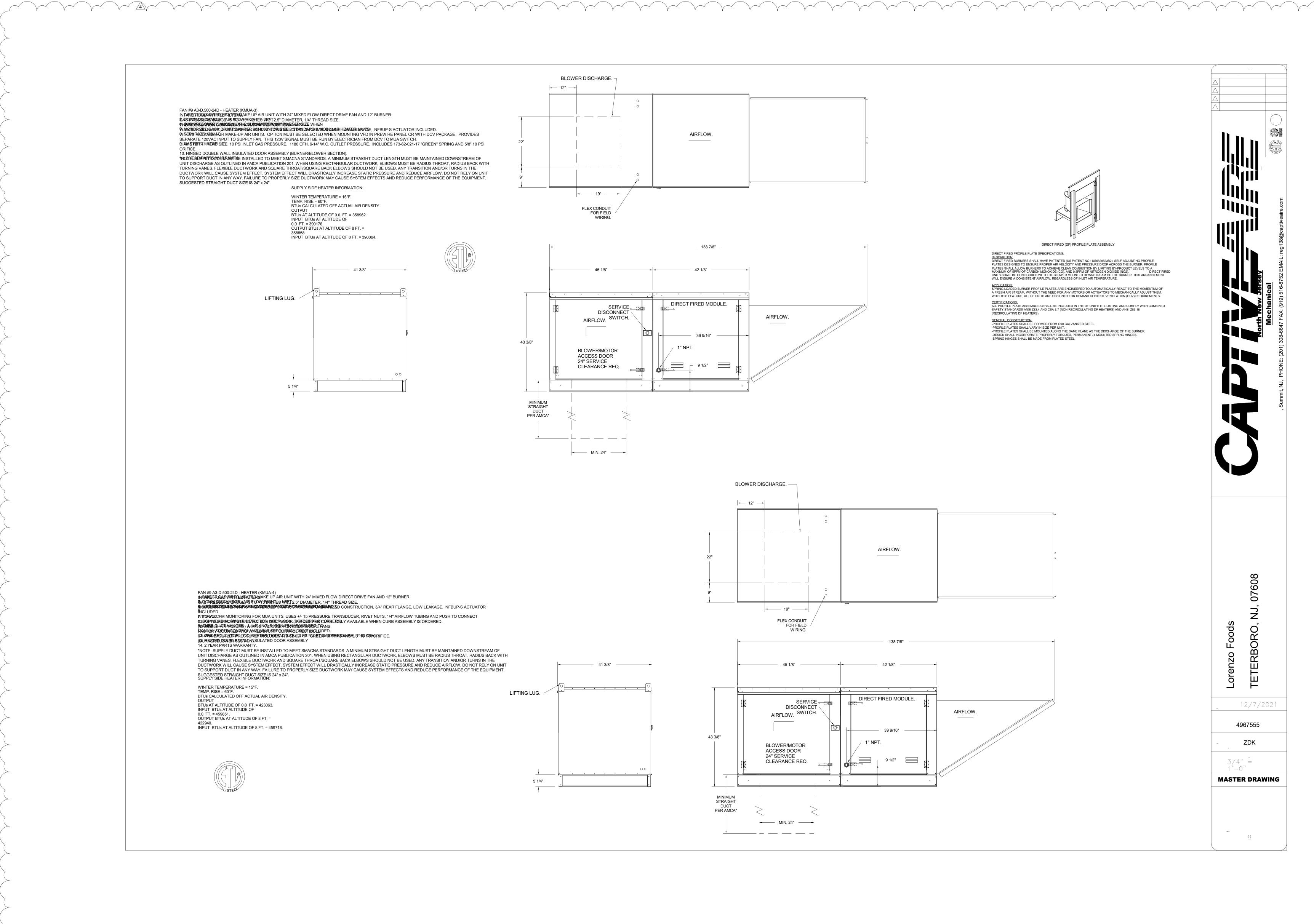
			ELE	ECTRIC	AL		CIRCUIT	BREAKER	RECEPTACLE	G	AS	WA	ATER		STEAM	1	CONNECTIO	N	
JRER	MODEL #	KW.	AMPS	HP	VOLT	PH	AMPS	POLES	PART #	SIZE	MBH	нот	COLD	SUPPLY	COND. RETURN	LBS/HR	TYPE	LENGTH	NOTES
	VC55GD	0.9	7.7		120	1	20	1	DR20		-	•	-	-	-	-	SUPPLIED	•	GFI BREAKE
	VC55GD	0.9	7.7		120	1	20	1	DR20	57	्र				ā	R	SUPPLIED		GFI BREAKE
	VC55GD	-	- 22	-	5	-			-	3/4"	50	-	- 24	- ar	-	÷	QUICK DISCONNECT	5'	-
	VC55GD	8		4	-8	14	27	2	12	3/4"	50	14	-	- e :	2	÷	QUICK DISCONNECT	5'	а
	VC55GD	0.9	7.7		120	1	20	1	DR20	a.			-		-		SUPPLIED		GFI BREAKE
	VC55GD	0.9	7.7		120	1	20	1	DR20						-		SUPPLIED		GFI BREAKE
	VC55GD	-		-			-		-	3/4"	50		-	-	-	-	QUICK DISCONNECT	5'	-
	VC55GD	4	-	2 22	21	-		3		3/4"	50	्र	- 12	-	2	-	QUICK DISCONNECT	5'	2
	VC55GD	0.9	7.7		120	1	20	1	DR20		-	~		-	-		SUPPLIED		GFI BREAKE
	VC55GD	0.9	7.7	14	120	1	20	1	DR20				-	-	-	-	SUPPLIED	3-2	GFI BREAKE
_					-			-		3/4"	50			-	,	-	QUICK DISCONNECT	5'	-
	VC55GD	-			-		-		-	3/4"	50				-		QUICK DISCONNECT	5'	-
	VC55GD	0.9	7.7	12	120	1	20	1	DR20	12	62	322	2	2 2	2	2	SUPPLIED	121	GFI BREAKE
	VC55GD	0.9	7.7		120	1	20	1	DR20	-		-		-			SUPPLIED	-	GFI BREAKE
	VC55GD						12			3/4"	50						QUICK DISCONNECT	5'	-
	VC55GD				-		-	-	-	3/4"	50		-	-	-	-	QUICK DISCONNECT	5'	~
	VC55GD MSA60				-				-	3/4"	135		-	-	-	-	QUICK DISCONNECT	5'	-
	ACB72	· .	12	<u>_</u>	- 21	<u></u>	-		12	3/4"	221	-	<u> </u>	<u>.</u>	<u> </u>		QUICK DISCONNECT	5'	2
	ACB72	÷.		- Sa	-		-	2	2	3/4"	221	1	<u>.</u>		2	2	QUICK DISCONNECT	5'	2
	ACB72	2		<u> </u>	2		-	2		3/4"	221		<u>_</u>	<u>.</u>	-	2	QUICK DISCONNECT	5'	-
	-	-		-	120	1	20	1	DR20	-	12		-	-	-		FACTORY		GFI BREAKE
	-	-			120	1	20	1	DR20		-		-		-	-	FACTORY	-	GFI BREAKE
	7,4	κw.	20.5	AMP	0.0	κw.	0.0	AMP	1198	м	BH	H.	W.		STEAM SUPPLY	Y			
	21.4	KW.		AMP	0.0	KW.	0.0	AMP	1152	M	BH		4		-	i i	MBH = BTU	EGEND PER HOUR (100 HT BLADE PLUC	
	28.8	KW.		AMP	0.0	KW.	0.0	AMP	2350	M	вн	C.	w.		COND. RETURI	N	TL - TWB PS = PIN 8	SLEEVE PLUGS	
	120/208 V	// 3 P	H/ 100	AMP		v	/ PH/ AMF	, ,	2" IPS L	OOPF	D		4		24		DCO = DUAL CO DIRECT = C	INVENIENCE OU ONDUIT & WIR	

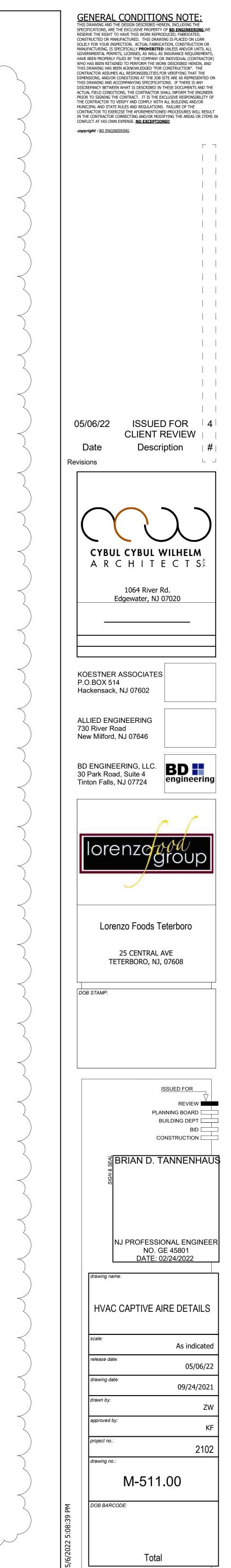


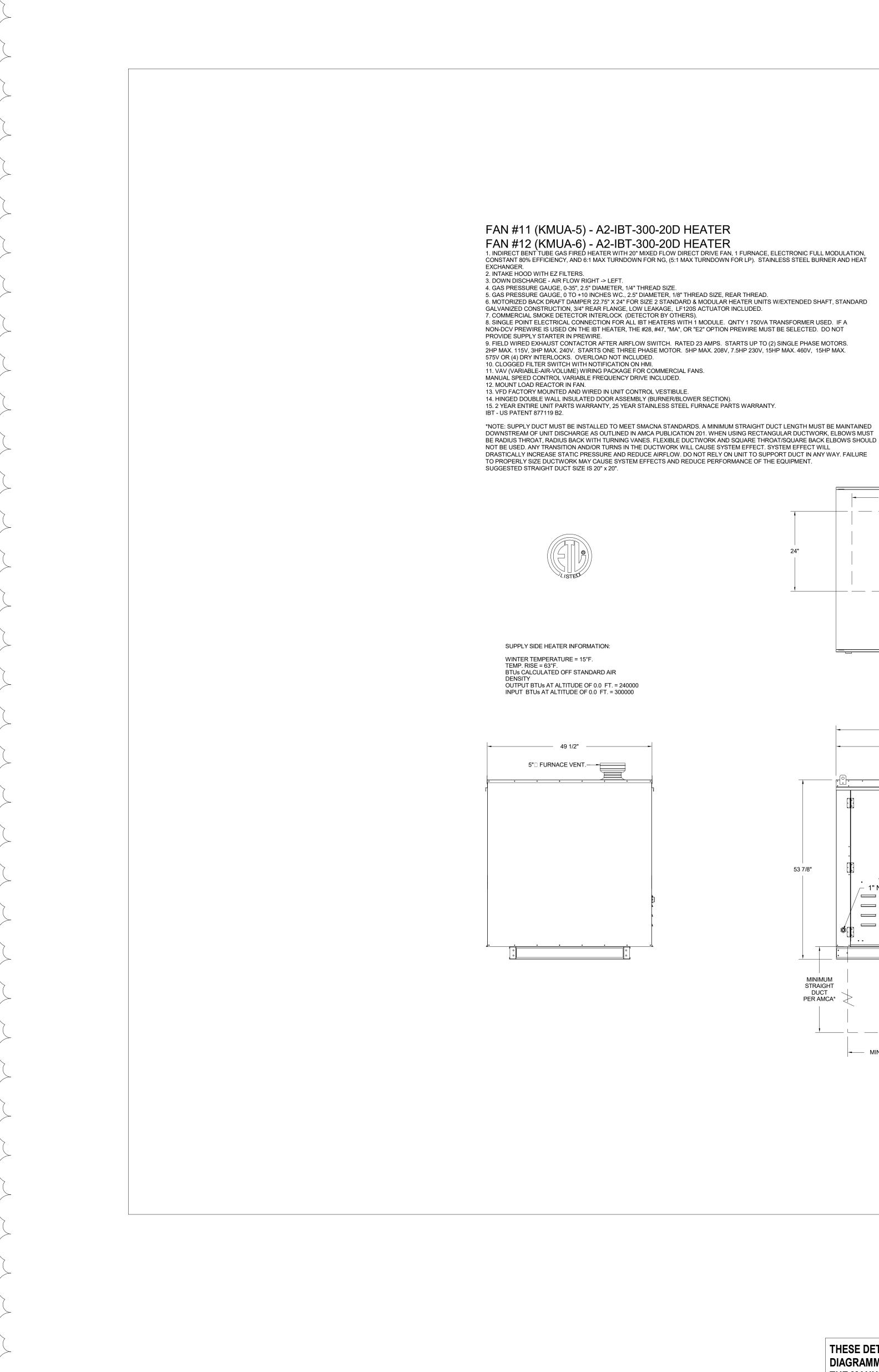




ZW





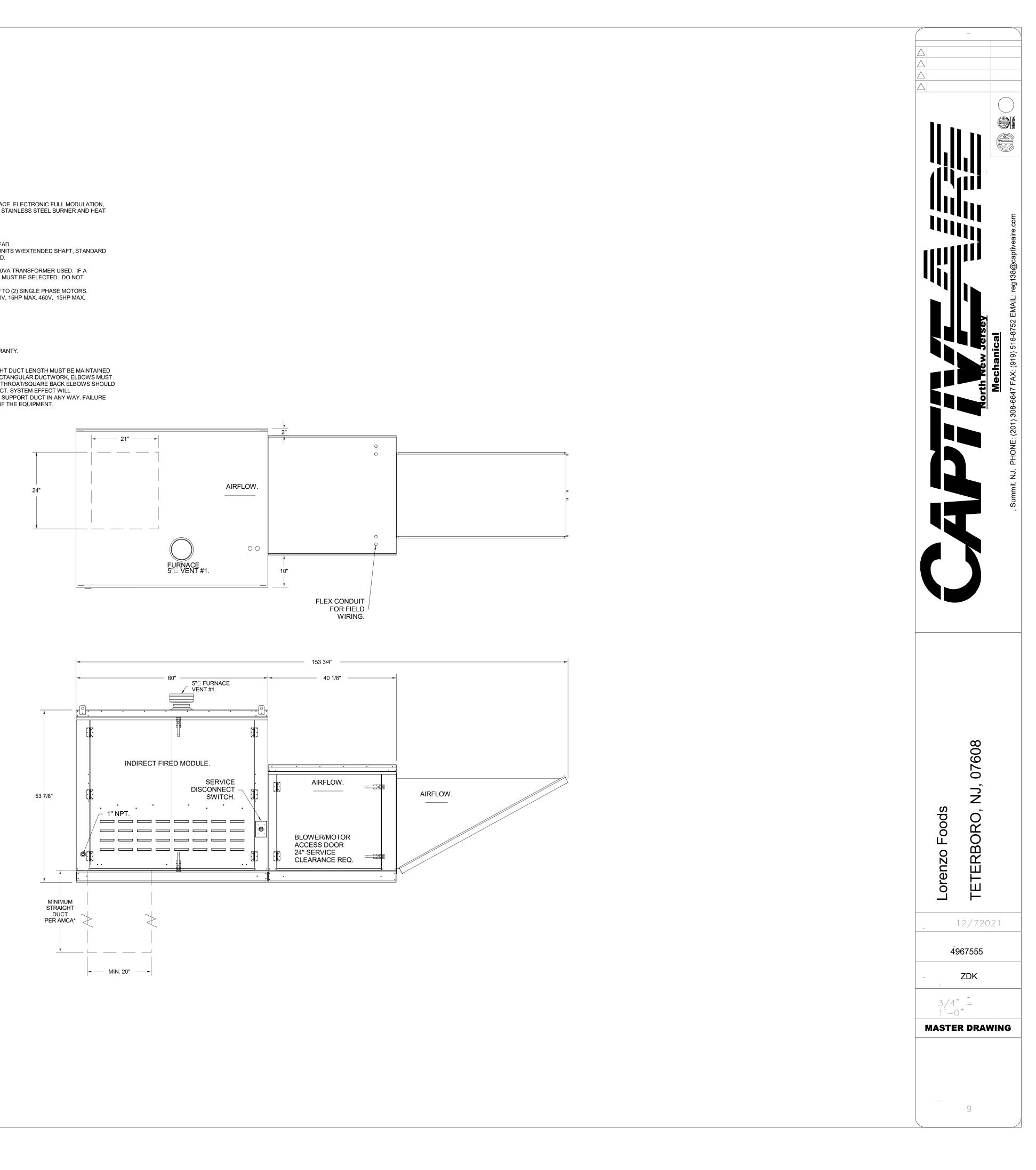


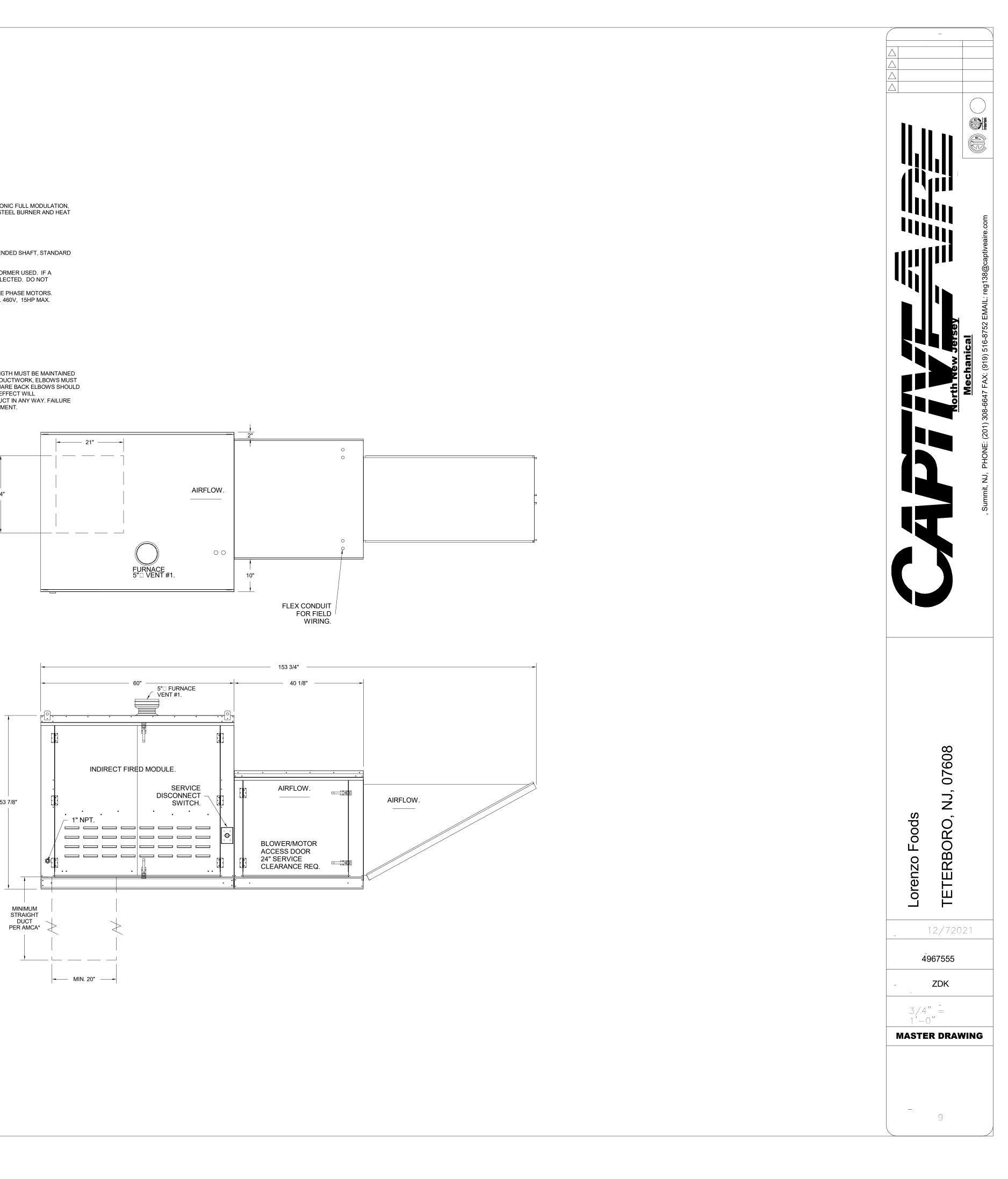
8. SINGLE POINT ELECTRICAL CONNECTION FOR ALL IBT HEATERS WITH 1 MODULE. QNTY 1 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE IS USED ON THE IBT HEATER, THE #28, #47, "MA", OR "E2" OPTION PREWIRE MUST BE SELECTED. DO NOT

9. FIELD WIRED EXHAUST CONTACTOR AFTER AIRFLOW SWITCH. RATED 23 AMPS. STARTS UP TO (2) SINGLE PHASE MOTORS.

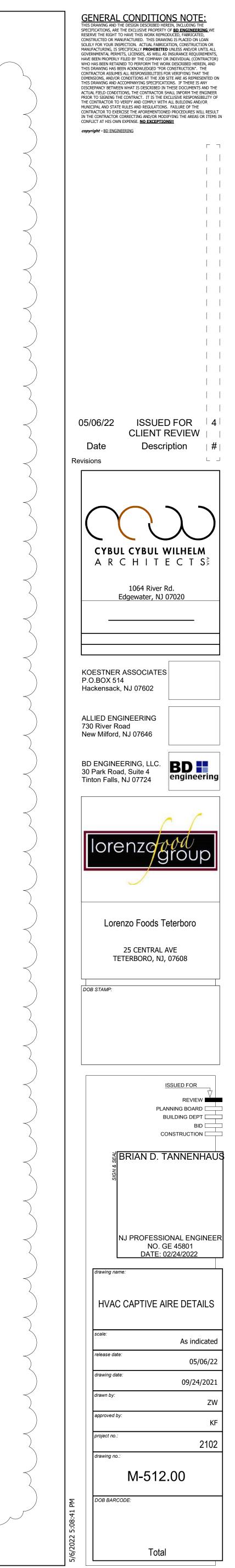
\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST

NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE

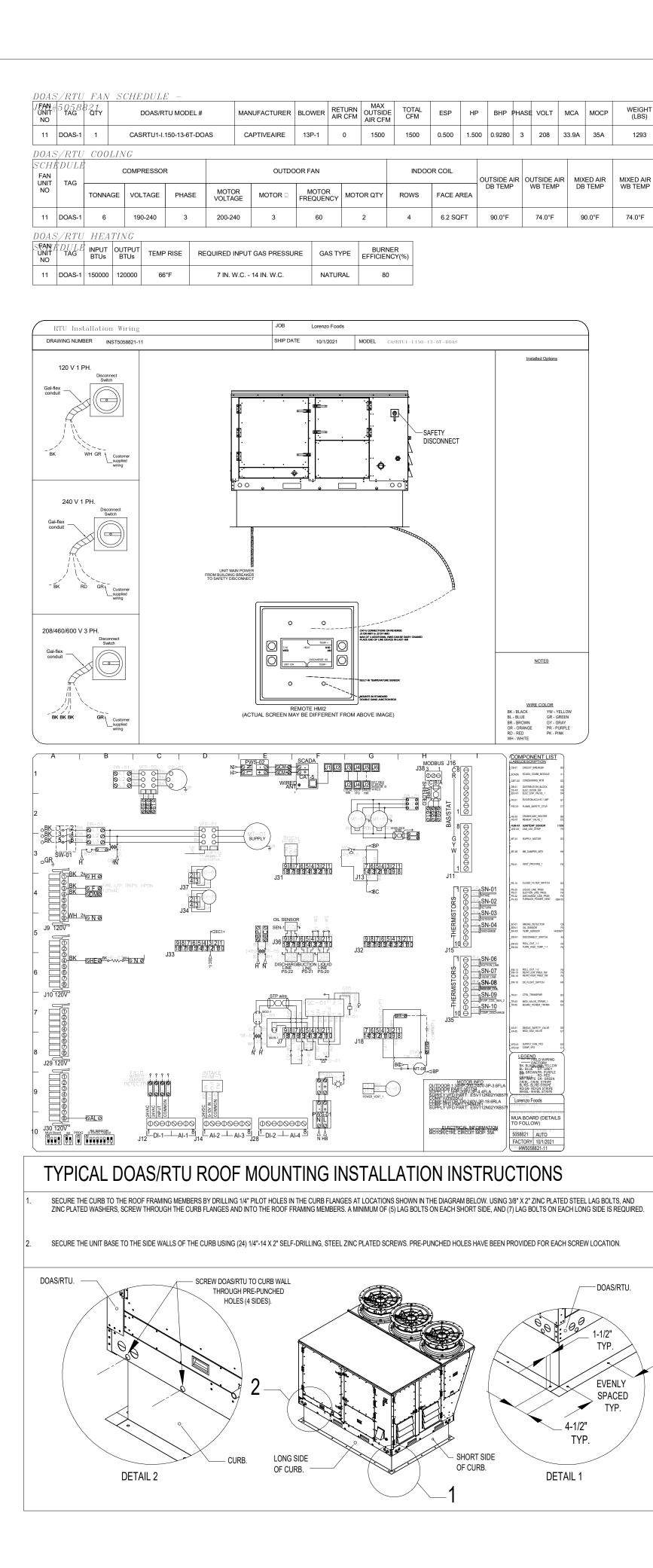




THESE DETAILS ARE PROVIDED FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO THE MANUFACTURES SHOP DRAWINGS, DETAILS AND INSTALLATION INSTRUCTIONS FOR FINAL REQUIREMENTS.



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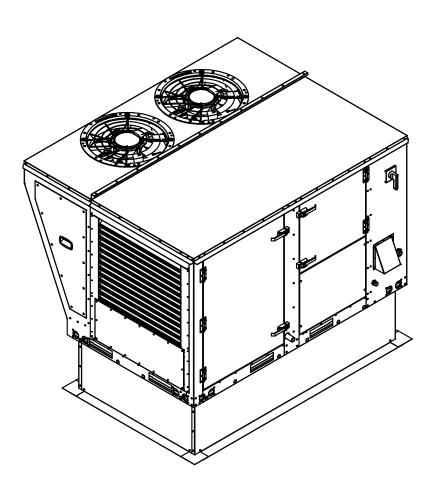
EIGHT (LBS)													
1293													
					1								
ED AIR TEMP	LEAVING DB TEMP	LEAVING WB TEMP	LEAVING DP TEMP	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	REHEAT LEAVING DB TEMP	REHEAT LEAVING WB TEMP	DESIRED REHEAT CAPACITY	MAX REHEAT CAPACITY	REHEAT LEAVING RELATIVE HUMIDITY	MOISTURE REMOVAL RATE	IEER
.0°F	59.7°F	56.9°F	55.1°F	84.0 MBH	48.0 MBH	36.0 MBH	70.0°F	64.2°F	17.2 MBH	56 MBH	73	32.7 LBS/HR	19.5

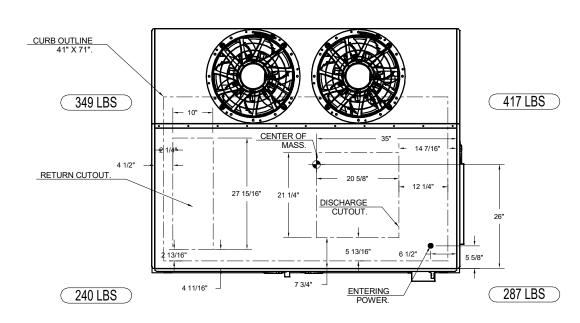
# FAN #11 CASRTU1-I.150-13-6T-DOAS - HEATER (DOAS-1)

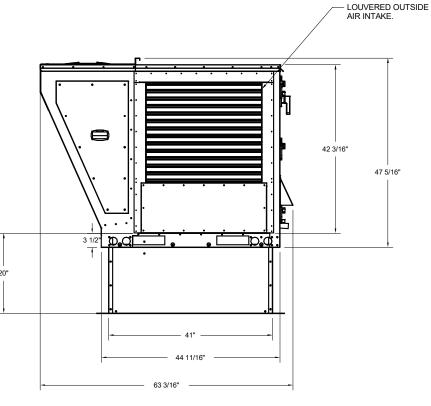
# NOTES:

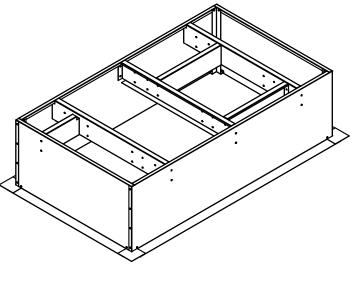
- 1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL

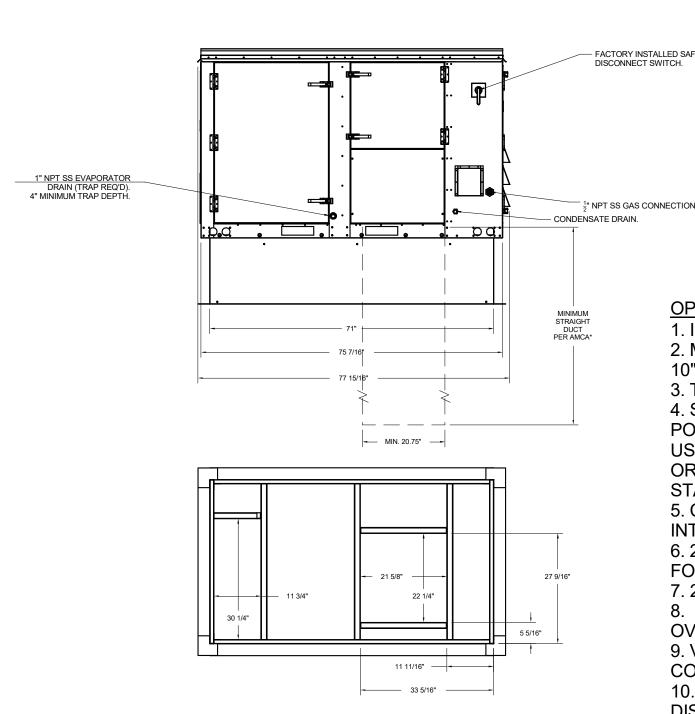
DENOTES CORNER WEIGHT. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.











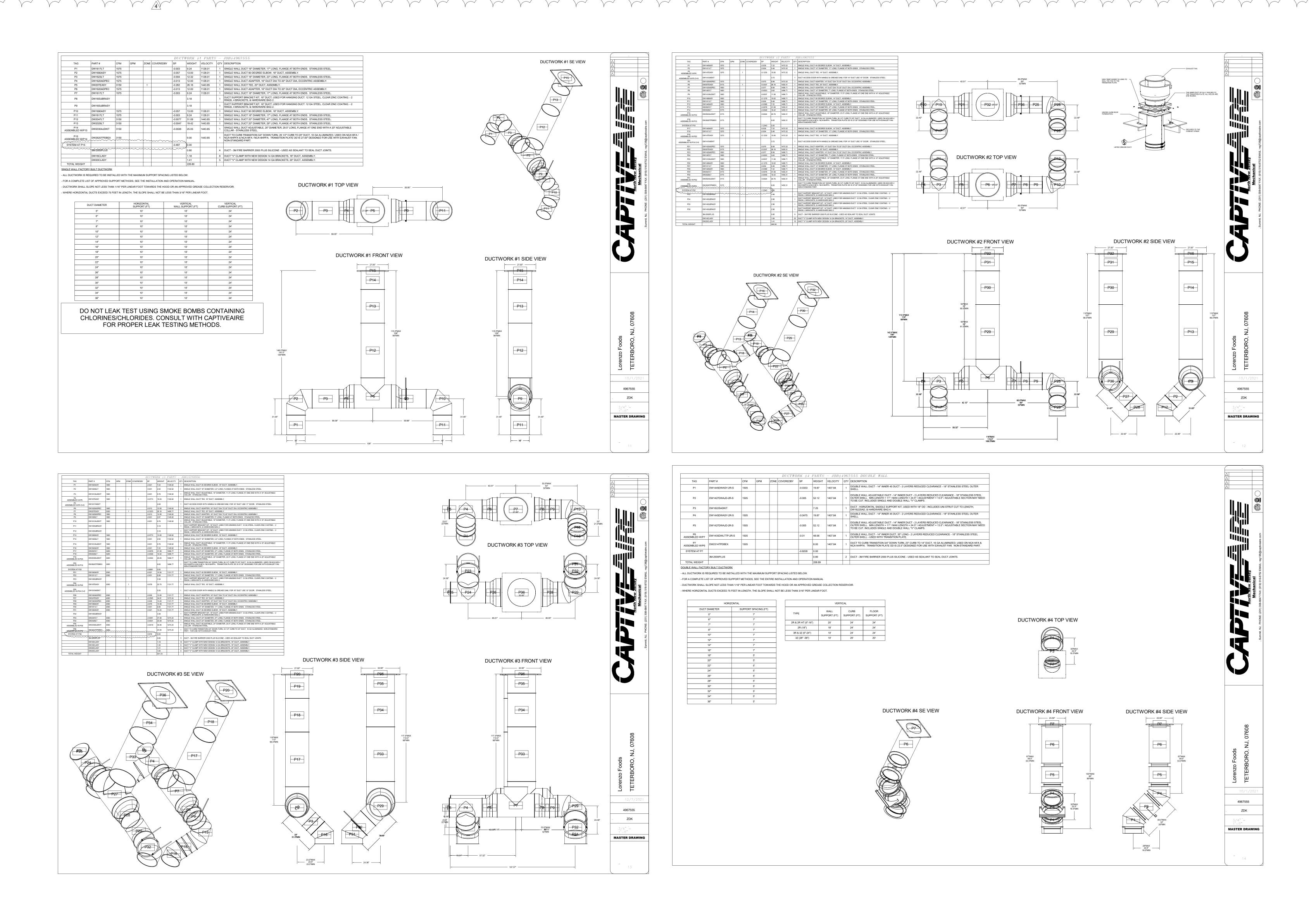
DETAILS).

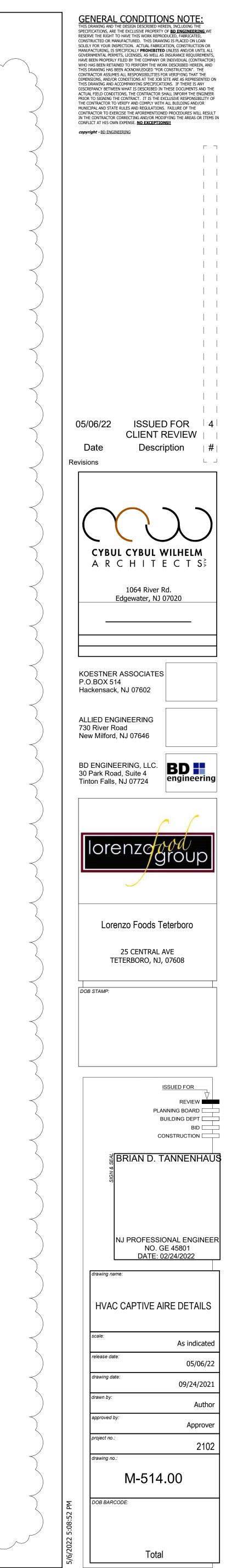
\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20.75" x 21.5".

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