

**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

Revisions:

Date: September 17, 2024

Revisions:

---

---

---

---

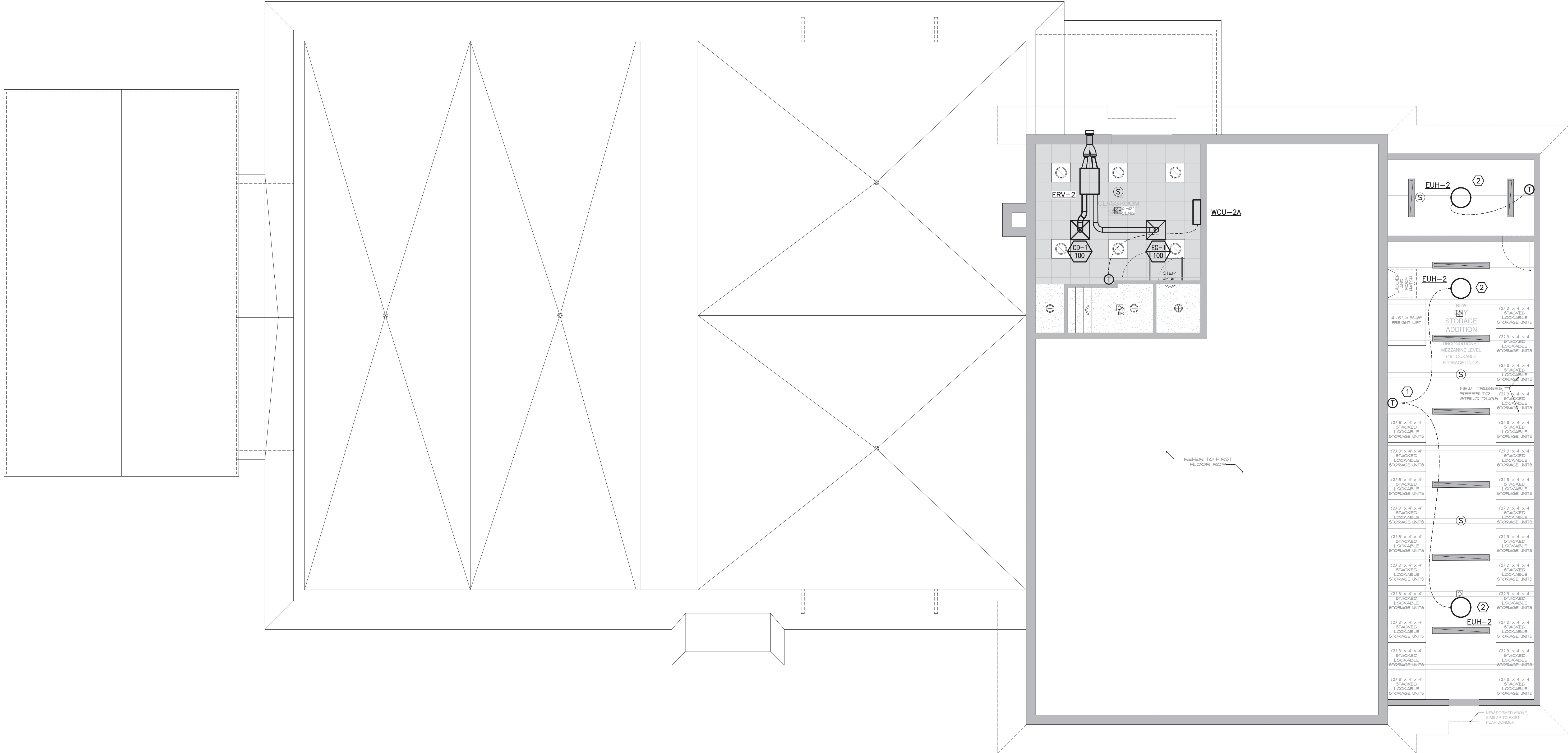
---



1. INSTALL ERV WEATHER HOODS PER MANUFACTURER'S RECOMMENDATIONS.
2. INSULATE AND INSTALL ALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE WEATHER SLEEVE FOR EXTERIOR REFRIGERANT PIPING; ROUTE PIPING IN SLEEVE EXCEPT FOR CONNECTIONS TO EXTERIOR UNITS.
4. ROUTE ALL INTERIOR EQUIPMENT CONDENSATE DRAINS TO NEAREST UTILITY SINK OR VENT STACK. PROVIDE CONDENSATE PUMPS AND, IF CONNECTING TO A VENT STACK, PROVIDE FUNNEL DRAINS WITH AIR GAPS.

- ① 4" Ø COMBUSTION AIR AND EXHAUST VENT LINE UP TO CONCENTRIC VENT ADAPTER BOX, THEN 6" Ø OUTER DUCT & 4" Ø INNER DUCT UP THROUGH ROOF.
- ② SUSPEND UH-1 FROM BOTTOM OF ROOF SUPPORT STRUCTURE PER MANUFACTURER'S INSTRUCTIONS AT 12'-0" A.F.F.
- ③ SINGLE THERMOSTAT TO CONTROL TWO UNIT HEATERS. PROVIDE RELAYS/ADAPTER KITS AS NECESSARY TO FACILITATE THIS CONTROL METHODOLOGY.
- ④ EXHAUST FAN TO BE OPERATED VIA SIGNAL FROM ROOM OCCUPANCY SENSOR. COORDINATE CONTROLS WITH ELECTRICAL CONTRACTOR.
- ⑤ DOAS TEMPERATURE SENSOR BELOW DROP CEILING FOR UNOCCUPIED OPERATION. COORDINATE FINAL LOCATION IN FIELD WITH ENGINEER.
- ⑥ DOAS PRESSURE SENSOR BELOW DROP CEILING FOR OCCUPIED OPERATION. COORDINATE FINAL LOCATION IN FIELD WITH ENGINEER.
- ⑦ MOUNT UNIT FROM ROOF STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS.





1 HVAC: CONSTRUCTION SECOND FLOOR DUCTWORK PLAN  
SCALE: 3/16"=1'-0"

GENERAL NOTES:

- INSTALL ERV WEATHER HOODS PER MANUFACTURER'S RECOMMENDATIONS.
- INSULATE AND INSTALL ALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE WEATHER SLEEVE FOR EXTERIOR REFRIGERANT PIPING; ROUTE PIPING IN SLEEVE EXCEPT FOR CONNECTIONS TO EXTERIOR UNITS.
- ROUTE ALL INTERIOR EQUIPMENT CONDENSATE DRAINS TO NEAREST UTILITY SINK. PROVIDE CONDENSATE PUMPS

CONSTRUCTION KEYED NOTES:

- SINGLE THERMOSTAT TO CONTROL TWO UNIT HEATERS. PROVIDE RELAYS/ADAPTER KITS AS NECESSARY TO FACILITATE THIS CONTROL METHODOLOGY.
- MOUNT UNIT FROM ROOF STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS.

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

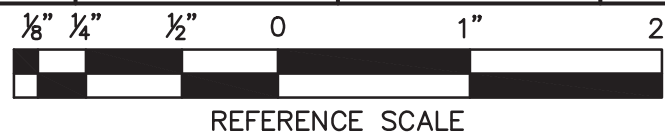
**FELLENER III**  
ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: WPB	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------



PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:

H1.02

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
109 N Division Street, Ste 100  
Peekskill, New York 10566  
PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25



City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1

Date: September 17, 2024

Revisions:

--	--

[illegible]

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. *Journal of the American Medical Association*, 2000; 283: 2689-2694.

1. *Journal of the American Medical Association*, 277: 1033-1034, 1997.

114.00

# HIU3

11.00



1. INSULATE AND INSTALL ALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE WEATHER SLEEVE FOR EXTERIOR REFRIGERANT PIPING; ROUTE PIPING IN SLEEVE EXCEPT FOR CONNECTIONS TO EXTERIOR UNITS.
3. ROUTE ALL EXTERIOR EQUIPMENT CONDENSATE DRAINS TO NEAREST UTILITY SINK. PROVIDE CONDENSATE PUMPS

**FELLENZER**   
ENGINEERING LLP

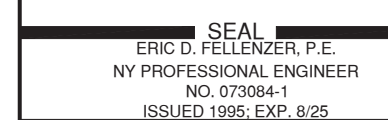
22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

DESIGNED BY: RW	DRAWN BY: WPB	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------

A horizontal reference scale with markings at 1/8", 1/4", 1/2", 0, 1", and 2". The scale is used for size comparison.

H1.03





City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S.B.L. - 32.20-9-1  
City of Peekskill - Westchester County

Revisions:

--	--


--

--	--

--	--

1000

4D1 02

# IPV

1000



1 DEMOLISH PTAC UNIT AND LOUVER. G.C. TO INFILL OPENING WITH BLOCK TO MATCH EXISTING. PATCH, SEAL AND REPAIR INTERIOR AND EXTERIOR WALL TO MATCH EXISTING.

1. COORDINATE DEMOLITION, INCLUDING PATCHING, SEALING, AND REPAIR WORK, WITH ARCHITECTURAL WORK.

# FELLENZER III

## ENGINEERING LLP


www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 11  
Poughkeepsie, NY 126  
t 845-454-9704 fx 855-320-87

DESIGNED BY: <div style="text-align: center;">RW</div>	DRAWN BY: <div style="text-align: center;">WPB</div>	APPROVED BY: <div style="text-align: center;">EDF</div>	FE PROJECT #: <div style="text-align: center;">23-369</div>
---	---	--	--

1/8"
3/8"
1/2"
0
1"
2"



REFERENCE SCALE



HVAC DEMOLITION NOTES:

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- REMOVE ALL EQUIPMENT, DUCTWORK AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL SUPPORTS AND HANGERS, HOUSEKEEPING PADS, DAMPERS, VALVES, FITTINGS, CONTROLS AND ASSOCIATED LOW VOLTAGE WIRING, AND ANY OTHER ASSOCIATED ACCESSORIES WHICH PERTAIN TO THE EQUIPMENT TO BE REMOVED.
- REMOVAL OF ALL POWER CONNECTIONS TO DEMOLITION ITEMS SHALL BE BY THE E.C.
- ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER, ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.
- DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT FOR CONNECTION TO NEW EQUIPMENT. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

GENERAL NOTES:

- THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL HVAC WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- ACCESS PANELS SHALL BE PROVIDED IN CEILINGS, WALLS, FLOORS, ETC., AS REQUIRED TO MAINTAIN ACCESSIBILITY TO VALVES, DAMPERS, TRAPS, COILS, ETC.
- PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS, FIRE DAMPERS, AND SMOKE DAMPERS.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND/OR SYSTEM.
- ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
- LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- ALL BRANCHES AND TAKE-OFFS SHALL BE EQUIPPED WITH VOLUME CONTROL DAMPERS. DAMPERS TO BE OPPOSED BLADE TYPE, 4" MAX. BLADE HEIGHT. VOLUME DAMPERS TO BE LOCATED AS NEAR TO THE POINT OF TAKE-OFF AS PRACTICAL.
- FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
- ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
- PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
- PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
- COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THE HVAC CONTRACTOR.
- THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- IT IS THE INTENTION THAT THESE SPECIFICATIONS, AND DRAWINGS ACCOMPANYING SAME, SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE HVAC SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON THE DRAWINGS AND NOT PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.
- IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

GAS PIPING NOTES:

- GAS PRESSURE WITHIN BUILDING SHALL NOT EXCEED 1/2 PSIG. PRIOR TO CONNECTION TO GAS SERVICE. ALL INDOOR ABOVE GROUND GAS PIPING (NOT COATED OR WRAPPED) SHALL BE TESTED WITH AIR PRESSURE AT 15 PSIG FOR A PERIOD OF 1 HOUR WITH NO LOSS IN PRESSURE. ALL COATED OR WRAPPED GAS PIPING SHALL BE TESTED W/AIR PRESSURE AT 100 PSIG FOR A MINIMUM OF 1 HOUR WITH NO LOSS IN PRESSURE.
- COORDINATE INSTALLATION AND FINAL CONNECTION OF GAS LINES WITH KITCHEN CONTRACTOR & G.C.
- ALL GAS PIPING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS NFPA-54.
- GAS PIPING UNDER SLABS, AND CROSSING CORRIDORS SHALL HAVE GAS TIGHT VENTED SLEEVES. (VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS).
- RELIEF VALVES AND NORMALLY OPEN VENT VALVES SHALL BE VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS.
- PRESSURE REGULATING & OVER PRESSURE PROTECTION DEVICES LOCATED OUTSIDE SHALL BE ENCLOSED IN A CABINET OR BE FENCED IN AN OUTSIDE AREA OF DURABLE STRUCTURAL MATERIALS WHICH WILL WITHSTAND ANY LOADS TO WHICH THEY MAY BE SUBJECTED.
- ALL GAS PIPING 3"ø & LARGER SHALL HAVE WELDED FITTINGS & CONNECTIONS. ALL GAS PIPING 2½" & SMALLER SHALL HAVE GAS-TIGHT THREADED CONNECTIONS WITH THREAD SEALANT APPROVED FOR NATURAL GAS SERVICE.
- CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR THE INSTALLATION OF THE NEW NATURAL GAS SERVICE TO BLDG. WITH LOCAL UTILITIES APPROXIMATELY THREE (3) WEEKS PRIOR TO START OF WORK. ALL GAS PIPING FROM MAIN UNDER STREET UP TO AND INCLUDING METER AT BLDG. SHALL BE BY UTILITY COMPANY. ALL TRENCHING, BEDDING & BACKFILL SHALL BE BY PLUMBING CONTRACTOR AS PER UTILITY COMPANY REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GAS PIPING FROM CONNECTION OF METER OUTLET TO THROUGHOUT BLDG. AS PER PLANS, SPECIFICATIONS, NYS FUEL GAS CODE, NFPA-54, LOCAL CODES, AS WELL AS UTILITY COMPANY REQUIREMENTS. PLUMBING CONTRACTOR SHALL COORDINATE SCHEDULING REQUIREMENTS WITH SITE CONTRACTOR AS WELL. PLUMBING CONTRACTOR SHALL APPLY & OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
- ALL GAS PIPING PASSING THROUGH MASONRY WALLS SHALL BE SLEEVED WITH SCH. 80 PVC.
- COORDINATE INSTALLATION OF GAS PIPING WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

DOAS CONTROL NOTES:

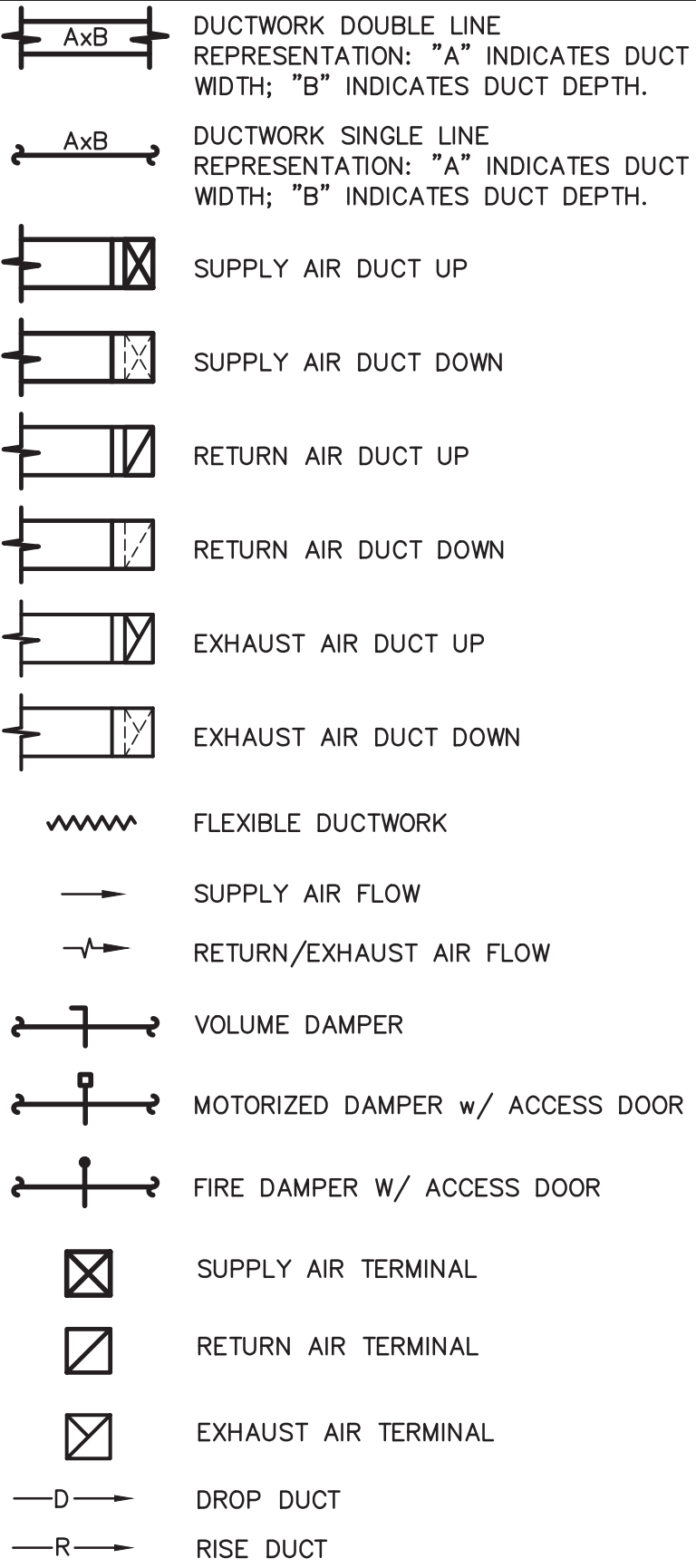
- THE DOAS SHALL BE ACTIVATED WHEN THE ROOM TEMPERATURE FALLS OUTSIDE OF THE ADJUSTABLE SET POINT RANGE.
- THE DOAS SHALL OPERATE AT 100% RETURN AIR UNTIL DETECTION OF ROOM OCCUPANCY VIA A RELAY FROM THE ROOM OCCUPANCY SENSOR. THE EC SHALL PROVIDE THE OCCUPANCY SENSOR AND THIS CONTRACTOR SHALL WIRE FROM THE SENSOR TO THE DOAS.
- UPON ACTIVATION, THE DOAS SHALL RUN AT ITS MINIMUM AIRFLOW RATE UNTIL THE TEMPERATURE SET POINT IS REACHED.
- THE DOAS SUPPLY FAN SHALL BE VFD DRIVEN.
- THE DOAS SHALL BE FED SIGNALS OF THE SPACE PRESSURE, AMBIENT PRESSURE, AND SPACE TEMPERATURE.
- ONCE OCCUPANCY IS DETECTED, THE UNIT SHALL ACTIVATE KEF'S K1A, K2A & K5A AND SWITCH TO 100% OUTDOOR AIR OPERATION.
- WHILE THE DOAS IS OPERATING AT ITS MINIMUM AIRFLOW RATE, IF THE SPACE PRESSURE SENSOR INDICATES THE SPACE IS NEGATIVELY PRESSURIZED, THE DOAS SHALL PROPORTIONALLY INCREASE ITS AIRFLOW UP TO ITS MAXIMUM FLOW UNTIL NEUTRAL PRESSURE IS DETECTED, THEN MAINTAIN THIS AIRFLOW. THERE SHALL BE AN ADJUSTABLE PRESSURE DEADBAND.
- WHILE THE DOAS IS OPERATING ABOVE ITS MINIMUM AIRFLOW RATE, IF THE SPACE PRESSURE SENSOR INDICATES THE SPACE IS POSITIVELY PRESSURIZED, THE DOAS SHALL PROPORTIONALLY DECREASE ITS AIRFLOW DOWN TO ITS MINIMUM AIRFLOW THEN MAINTAIN THIS AIRFLOW. THERE SHALL BE AN ADJUSTABLE PRESSURE DEADBAND.

DUCT INSULATION SCHEDULE			"JOHNS MANVILLE" AS STANDARD OR APPROVED EQUAL
INSIDE BUILDING THERMAL ENVELOPE	FIBERGLASS FLEXIBLE BLANKET, 1.0 LB/CF R=8.0 (INSTALLED @ 25% COMPRESSION)		
SERVICE	FACING	INSTALLED THICKNESS (IN.)	
SUPPLY/RETURN AIR	FSK	2"	
OUTDOOR AIR	FSK	2"	
EXHAUST AIR	-	NONE	
OUTSIDE BUILDING THERMAL ENVELOPE	FIBERGLASS FLEXIBLE BLANKET, 1.0 LB/CF R=12.0		
SERVICE	FACING	THICKNESS REQUIRED TO EXCEED ASHRAE 90.1 REQUIREMENTS	
SUPPLY/RETURN AIR	ASJ	4"	

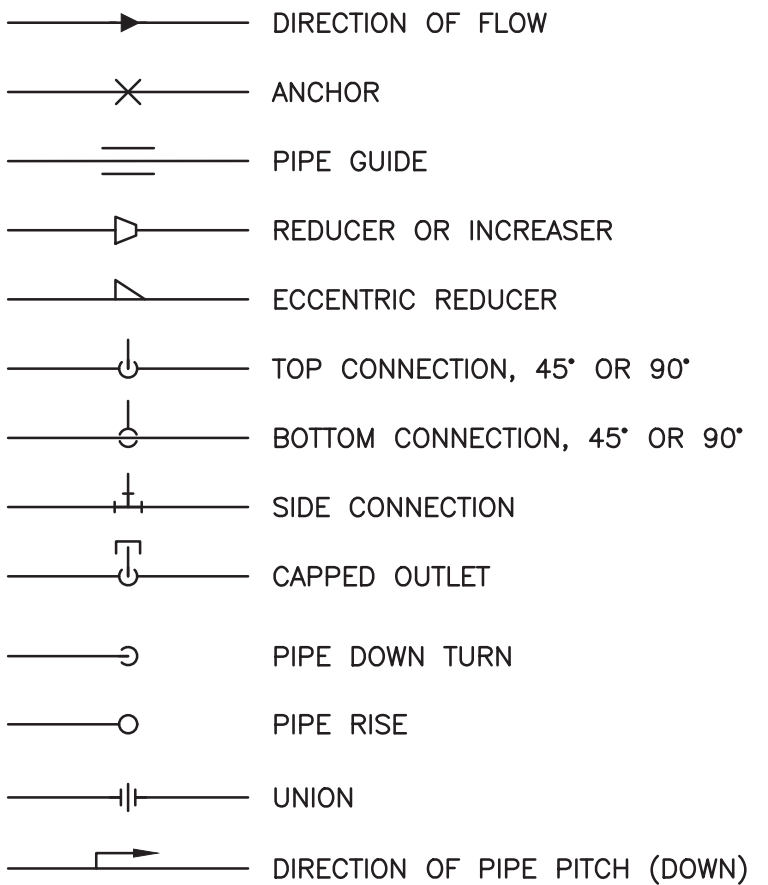
NOTES:

- ALL EDGES SHALL BE CLEAN CUT.
- ALL SEAMS AND BUTT JOINTS SHALL BE ADHERED AND SEALED USING ARMAFLEX 520 ADHESIVE. HORIZONTAL JOINTS SHALL BE AT BOTTOM OF DUCTS & PIPES.
- ALL EXPOSED ENDS CUTS SHALL BE COATED WITH ARMAFLEX 520 ADHESIVE.
- FOR ALL OUTDOOR EXPOSED DUCTWORK, THE HORIZONTAL SURFACE SHALL BE SLOPED TO PREVENT POOLING ON THE SURFACE OF COATED INSULATION (2" MIN.).
- ARMACELL ARMATUFF OR APPROVED EQUAL MAY BE USED IN LIEU OF THE EXTERIOR DUCT INSULATION/WEATHER RESISTANT SYSTEM DESCRIBED IN THE SCHEDULE ABOVE.

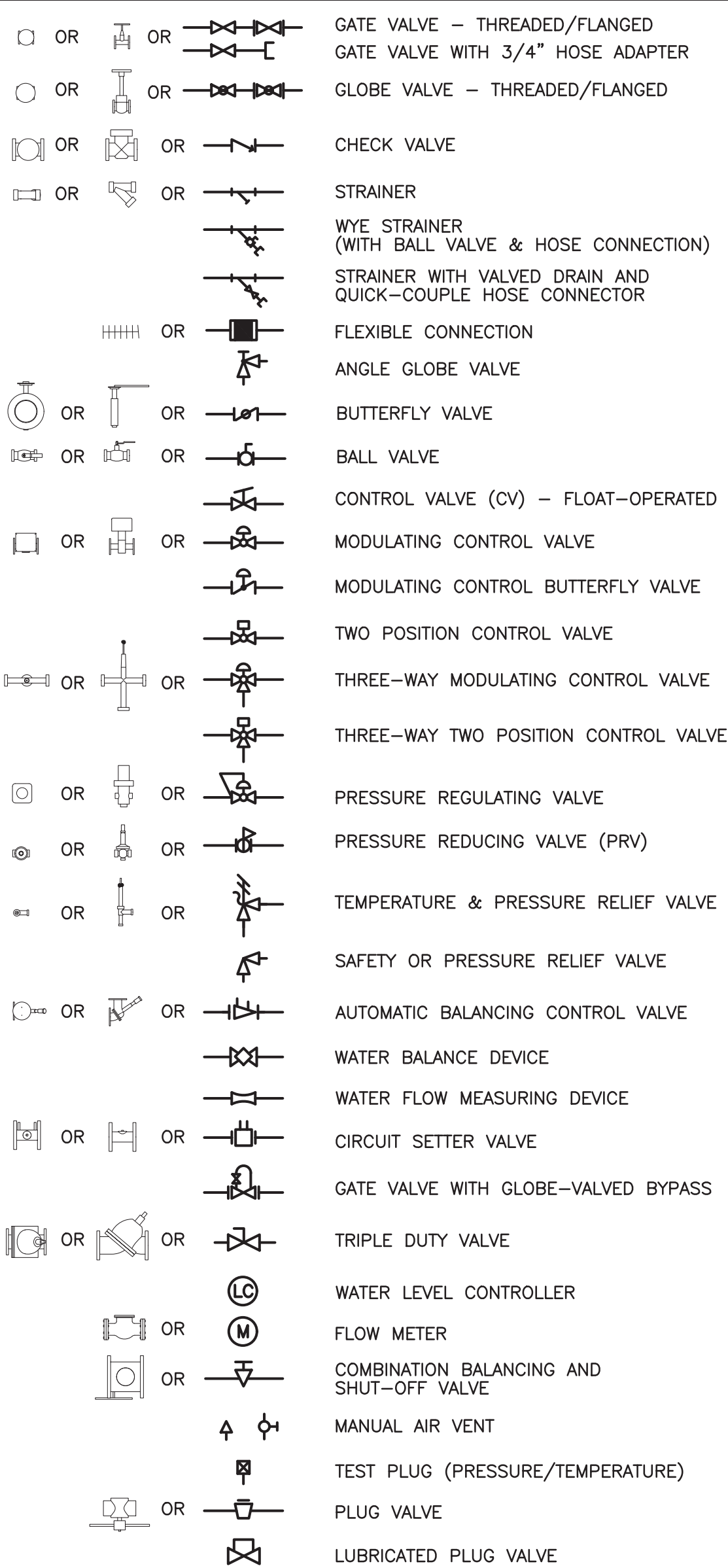
DUCTWORK SYMBOLS



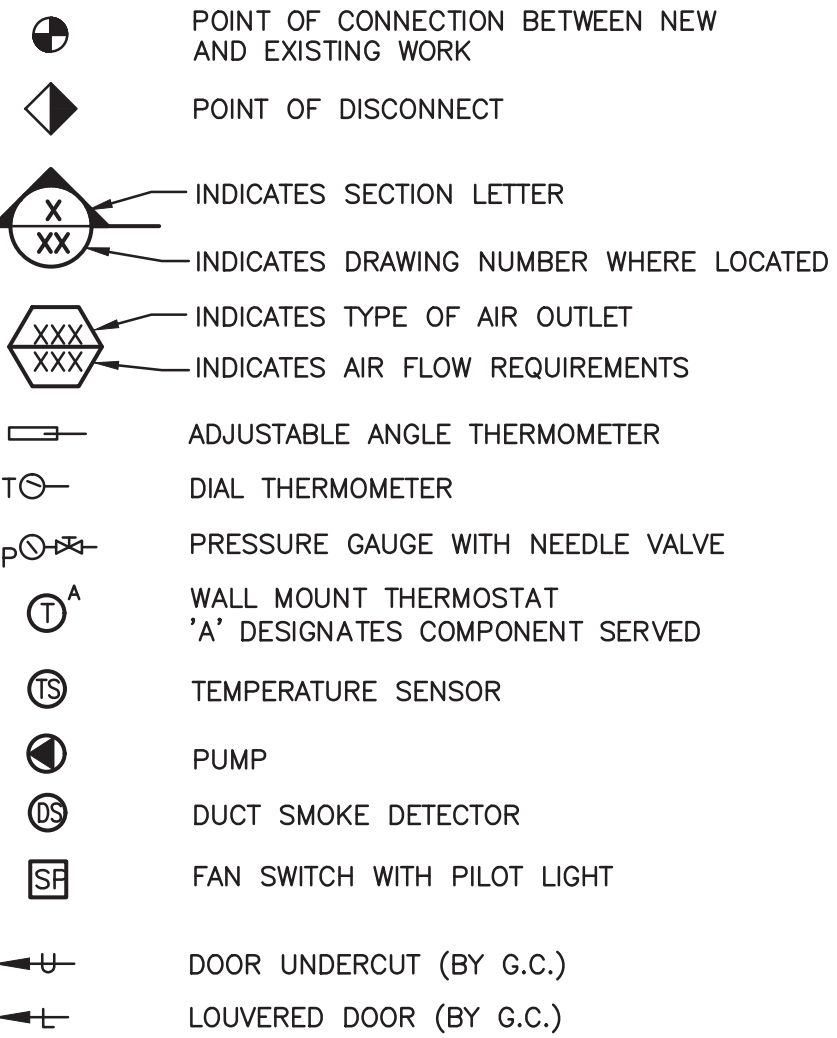
PIPING SYMBOLS



VALVE SYMBOLS



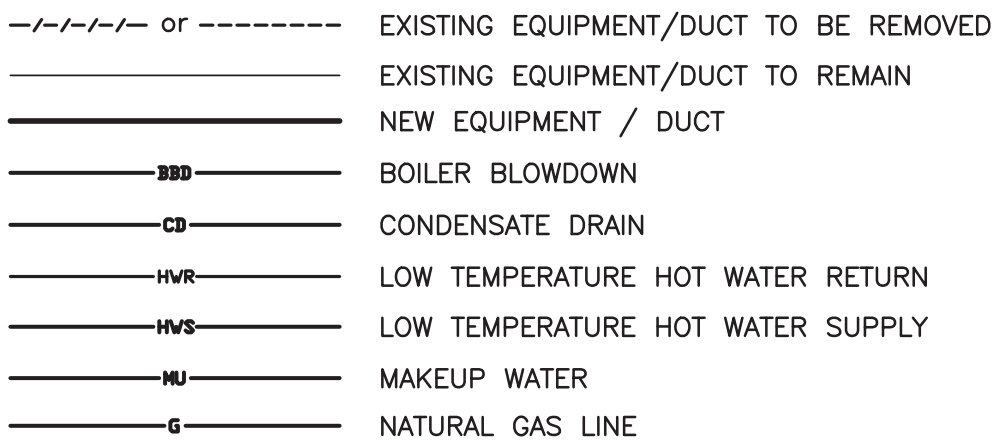
GENERAL SYMBOLS



ABBREVIATIONS

AC	AIR CONDITIONING UNIT	GPM	GALLONS PER MINUTE
ACT	ACOUSTIC CEILING TILE	H.C.	HVAC CONTRACTOR
ACCU	AIR COOLED CONDENSING UNIT	HF	HEPA FILTER
AD	ACCESS DOOR	HP	HORSEPOWER
AF	AFTER FILTER	HRP	HYDRONIC RADIANT CEILING PANEL
AFF	ABOVE FINISHED FLOOR	HV	HEATING AND VENTILATING UNIT
AFM	AIR FLOW MEASURING DEVICE	IV	INLET VANES
AHU	AIR HANDLING UNIT	LCD	LINEAR CEILING DIFFUSER
A.L.D.	AUTOMATIC LOUVER DAMPER (PNEUMATIC)	LFD	LAMINAR FLOW DIFFUSER
AP	ACCESS PANEL	LF	LINEAR FEET
BDD	BACK DRIFT DAMPER	LPG	LP GAS PIPING
BG	BOTTOM GRILLE (WALL TYPE)	LPR	LOW PRESSURE STEAM CONDENSATE
BR	BOTTOM REGISTER (WALL TYPE)	LPS	LOW PRESSURE STEAM
BTUH	BRITISH THERMAL UNITS/HOUR	LBS/HR	POUNDS PER HOUR
CC	COOLING COIL	MA	MIXED AIR
CD	CEILING DIFFUSER	MB	MIXING BOX
CFM	CUBIC FEET PER MINUTE	MD	MOTORIZED DAMPER
CG	CEILING GRILLE	MER	MECHANICAL EQUIPMENT ROOM
CLG	CEILING	MAX.	MAXIMUM
CO	CLEAN OUT	MBH	ONE THOUSAND BTUH
CP	CONDENSATE PUMP	MIN.	MINIMUM
CR	CEILING REGISTER	NOM.	NOMINAL
CUH	CABINET UNIT HEATER	OA	OUTSIDE AIR
CW	COLD WATER	P	PUMP
D	DRAIN	P.C.	PLUMBING CONTRACTOR
D <sub>b</sub>	DRY BULB TEMPERATURE, °F	PD	PRESSURE DROP (FEET OF WATER)
dB	DECIBELS	PF	PRE-FILTER
DN	DOWN	PCW	PROPYLENE GLYCOL-WATER SOLUTION
DP	DIFFERENTIAL PRESSURE	PH	PREHEAT
D <sub>p</sub>	DEW POINT TEMPERATURE, °F	PRV	PRESSURE REDUCING VALVE
DS	DUCT SMOKE DETECTOR	PSI	POUNDS PER SQUARE IN.
DX	DIRECT EXPANSION	RA	RETURN AIR
EA	EXHAUST AIR	RF	RETURN FAN
EAT	ENTERING AIR TEMP	RHC	REHEAT COIL
E.C.	ELECTRICAL CONTRACTOR	Rh	RELATIVE HUMIDITY
ECC	ENGINEERING CONTROL CENTER	RPZ	REDUCED PRESSURE ZONE
EER	ENERGY EFFICIENCY RATIO	SA	SUPPLY AIR
EF	EXHAUST FAN	SD	SMOKE DAMPER
EGW	ETHYLENE GLYCOL-WATER SOLUTION	Sp. Gr.	SPECIFIC GRAVITY
EMD	END OF MAIN DRIP (STEAM)	SH	STEAM HUMIDIFIER
ERC	ENERGY RECOVERY COIL	SP	STATIC PRESSURE
ERP	ELECTRIC RADIANT CEILING PANEL	SPD	SPLITTER DAMPER
ET	EXPANSION TANK	SPS	STATIC PRESSURE SENSOR
EUH	ELECTRIC UNIT HEATER	S.S.	STAINLESS STEEL
EXIST	EXISTING	TG	TOP GRILLE (WALL TYPE)
F.A.I.	FRESH AIR INTAKE	TR	TOP REGISTER (WALL TYPE)
FC	FLEXIBLE CONNECTION	TWU	THRU WALL UNIT
FCU	FAN COIL UNIT	UH	UNIT HEATER
FD	FIRE DAMPER	U.N.O.	UNLESS NOTED OTHERWISE
FLR	FLOOR	UV	UNIT VENTILATOR
F.O.R.	FUEL OIL RETURN	V	VALVE
F.O.S.	FUEL OIL SUPPLY	VD	VOLUME DAMPER
F/SP	FIRE PROTECTION CONTRACTOR	VE	VOLUME EXTRACTOR
F/SD	COMBINATION FIRE/SMOKE DAMPER	VI	VIBRATION ISOLATOR
FTR	FIN TUBE RADIATION	VIF	VERIFY IN FIELD
G	NATURAL GAS PIPE	W <sub>b</sub>	WET BULB TEMPERATURE, °F
G.C.	GENERAL CONTRACTOR	WFM	WATER FLOW MEASURING DEVICE
GH	GRAVITY HOOD	WMS	WIRE MESH SCREEN

HVAC LINE TYPES



LOW PRESSURE		DUCT GAUGE SCHEDULE		2000 FPM
FLAT OVAL DUCT DIM. OF MAJOR AXIS	ROUND DUCT	RECTANGULAR DUCT GREATEST DIMENSION	GAUGE GALVANIZED STEEL	
-	3" TO 8"	UP TO 12"	26	
UP TO 24"	9" TO 14"	13" TO 30"	24	
25" TO 48"	15" TO 36"	31" TO 54"	22	
49" TO 70"	-	55" TO 84"	20	

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENERZ ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENERZ III**  
ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: JCL	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------

¾" ¼" ½" 0 1" 2"

REFERENCE SCALE

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
103 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED. THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.

© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENERZ, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 070044-1  
ISSUED 1995 EXP. 8/25

PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:

H0.01



PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP  
CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER III**  
ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: WPB	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------

1/8" 1/4" 1/2" 0 1" 2"  
REFERENCE SCALE

HD1.01

1 HVAC: DEMOLITION FIRST FLOOR DUCTWORK PLAN

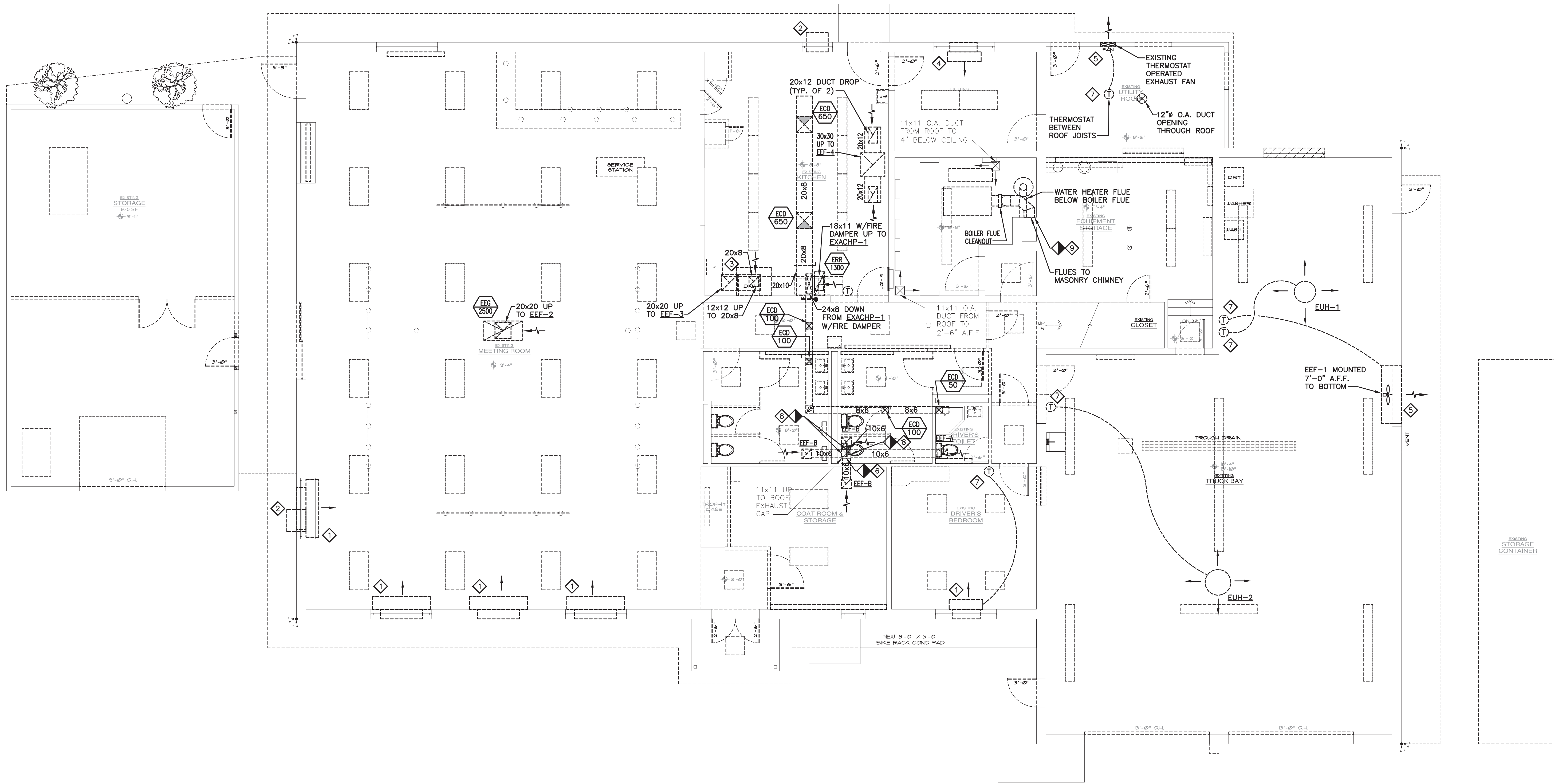
SCALE: 3/16"=1'-0"

DEMOLITION NOTE:

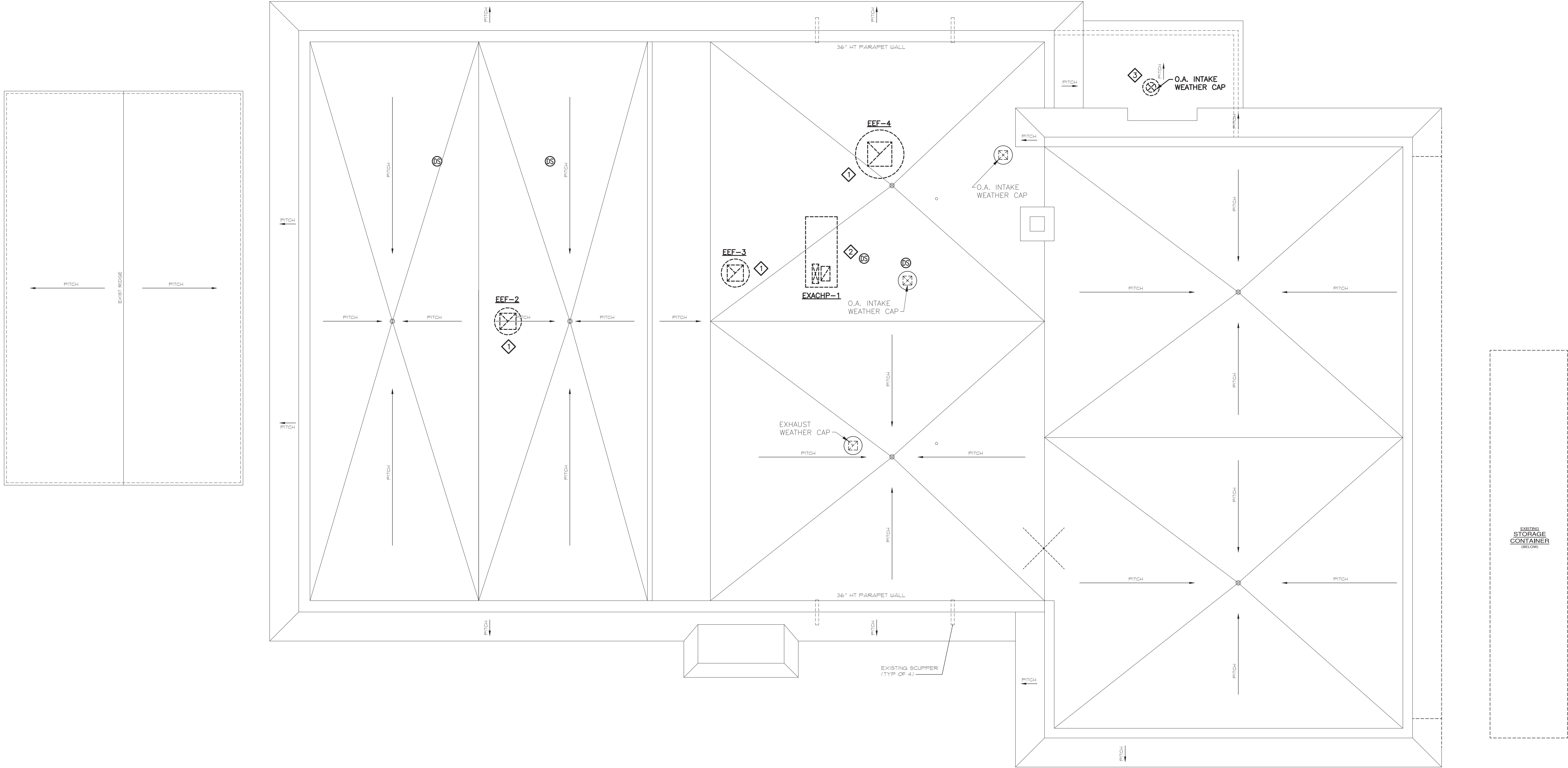
1. COORDINATE DEMOLITION, INCLUDING PATCHING, SEALING, AND REPAIR WORK, WITH ARCHITECTURAL WORK.

DEMOLITION KEYED NOTES:

- 1 DEMOLISH PTAC UNIT AND LOUVER. G.C. TO INFILL OPENING WITH BLOCK TO MATCH EXISTING. PATCH, SEAL AND REPAIR INTERIOR AND EXTERIOR WALLS TO MATCH EXISTING.
- 2 EXISTING THROUGH-WINDOW AIR CONDITIONER TO BE REMOVED. G.C. TO REMOVE EXTERIOR SUPPORTS IF PRESENT, THEN PATCH, SEAL, AND REPAIR TO MATCH EXISTING.
- 3 EXISTING DISHWASHER HOOD AND ASSOCIATED DUCTWORK TO BE REMOVED.
- 4 DEMOLISH PTAC UNIT AND LOUVER. CLEAN AND PREPARE OPENING TO RECEIVE NEW LOUVER AND UNIT.
- 5 DEMOLISH FAN AND CONTROLS. G.C. TO INFILL OPENING TO MATCH EXISTING. PATCH, SEAL AND REPAIR INTERIOR AND EXTERIOR WALLS TO MATCH EXISTING.
- 6 REMOVE EXHAUST FAN AND DUCTWORK BACK TO COMMON EXHAUST DUCT TO ROOF. PATCH AND SEAL COMMON DUCT FOR AIR-TIGHT OPERATION OF REMAINING FANS BEING REPLACED.
- 7 REMOVE THERMOSTAT AND CONTROL WIRING IN THEIR ENTIRETY.
- 8 REMOVE EXHAUST FAN AND DUCTWORK BACK TO COMMON EXHAUST DUCT TO ROOF. PREPARE OPENING TO RECEIVE NEW DUCTWORK FROM NEW EXHAUST FAN.
- 9 REMOVE FLUE/BREECHING DUCTING BACK TO CHIMNEY OPENING. GC TO PATCH AND REPAIR OPENING TO RECEIVE NEW FLUE.







1 HVAC: DEMOLITION ROOF EQUIPMENT PLAN  
SCALE: 3/16"=1'-0"

DEMOLITION KEYED NOTE:

- 1 REMOVE EXHAUST FAN. G.C. TO PATCH, SEAL, AND REPAIR OPENING TO MATCH EXISTING.
- 2 REMOVE ROOFTOP HEAT PUMP UNIT. G.C. TO PATCH, SEAL, AND REPAIR OPENING TO MATCH EXISTING.
- 3 REMOVE ROOFTOP OUTDOOR AIR INTAKE WEATHER CAP. G.C. TO PATCH, SEAL, AND REPAIR OPENING TO MATCH EXISTING.

DEMOLITION NOTE:

- 1. COORDINATE DEMOLITION, INCLUDING PATCHING, SEALING, AND REPAIR WORK, WITH ARCHITECTURAL WORK.

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER** III  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: WPB	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------

REFERENCE SCALE

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25

PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

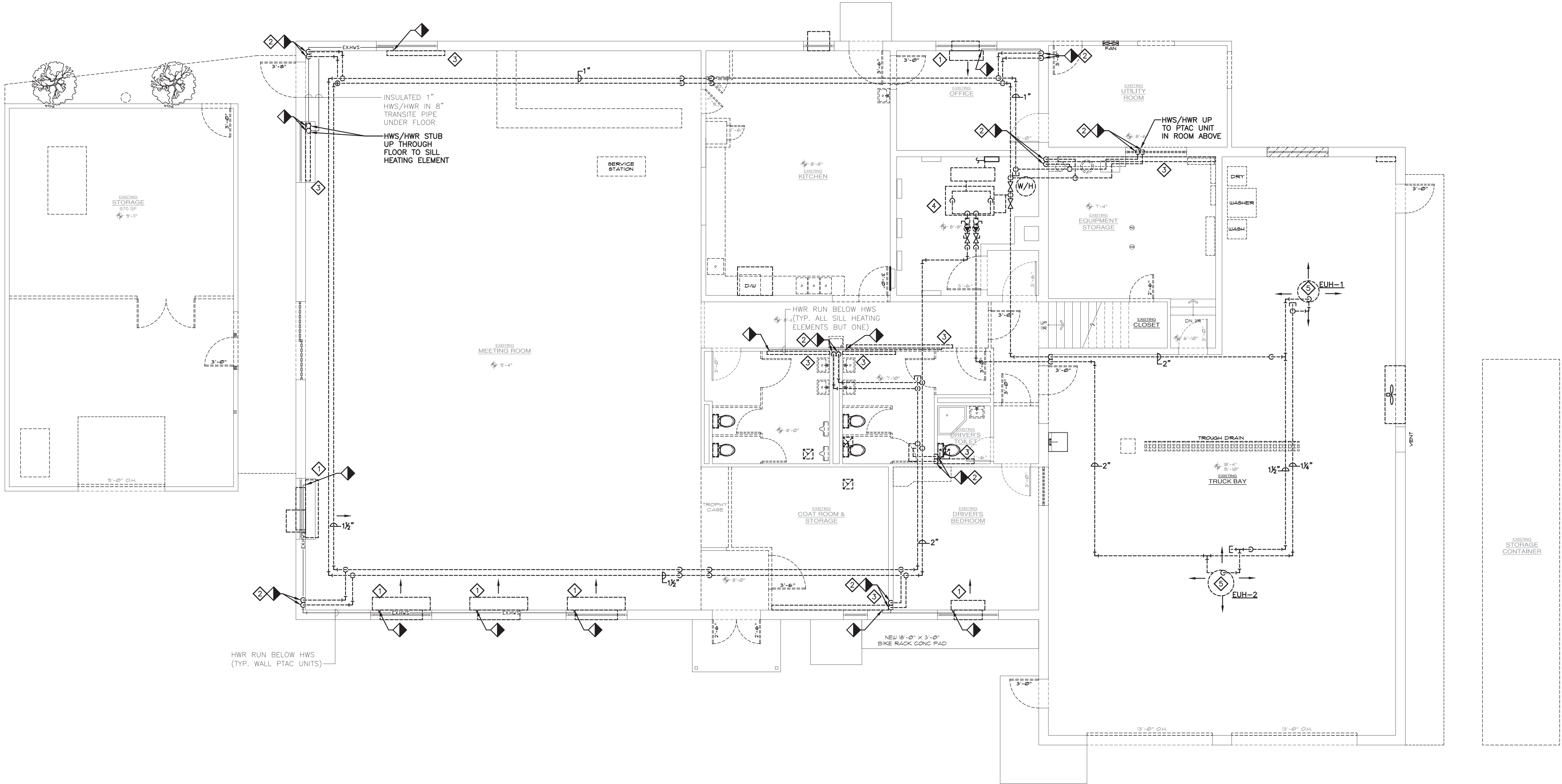
City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:


HD1.03



1 HVAC: DEMOLITION FIRST FLOOR HYDRONIC PLAN  
SCALE: 3/16"=1'-0"

DEMOLITION NOTES:

1. ALL HYDRONIC PIPING IS 1 1/4" UNLESS OTHERWISE NOTED.
2. REMOVE ALL HYDRONIC PIPING NOT RUN WITHIN WALLS OR UNDER SLAB. CUT BACK PIPES BEHIND THE WALL AND FLOOR, THEN CAP LINES TO ABANDON IN-PLACE. PATCH, SEAL, AND REPAIR WALLS AND FLOORS TO MATCH EXISTING.

DEMOLITION KEYED NOTES:

1. DEMOLISH PTAC HYDRONIC PIPING BACK TO WALL/FLOOR PENETRATION AND CAP TO ABANDON IN-PLACE. G.C. TO PATCH, SEAL AND REPAIR WALL/FLOOR TO MATCH EXISTING.
2. CUT AND CAP HYDRONIC PIPING BEHIND WALL/FLOOR PENETRATION. G.C. TO PATCH, SEAL AND REPAIR WALL/FLOOR TO MATCH EXISTING.
3. EXISTING FIN TUBE HEATING ELEMENT AND ENCLOSURE TO BE REMOVED. DEMOLISH HYDRONIC PIPING BACK THROUGH WALL/FLOOR AND CAP TO ABANDON IN-PLACE. G.C. TO PATCH, SEAL, AND REPAIR WALL/FLOOR TO MATCH EXISTING.
4. SEE DETAIL 1/H7.01 FOR HYDRONIC HEATING PIPING IN THIS AREA.
5. DEMOLISH HYDRONIC UNIT HEATER. G.C. TO PATCH, SEAL, AND REPAIR WALL/FLOOR TO MATCH EXISTING.

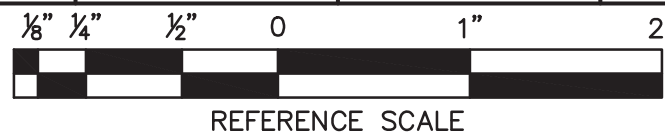
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP  
CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER** ENGINEERING LLP  
www.felip.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW DRAWN BY: WPB APPROVED BY: EDF FE PROJECT #: 23-369



PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:

HD2.01

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
108 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

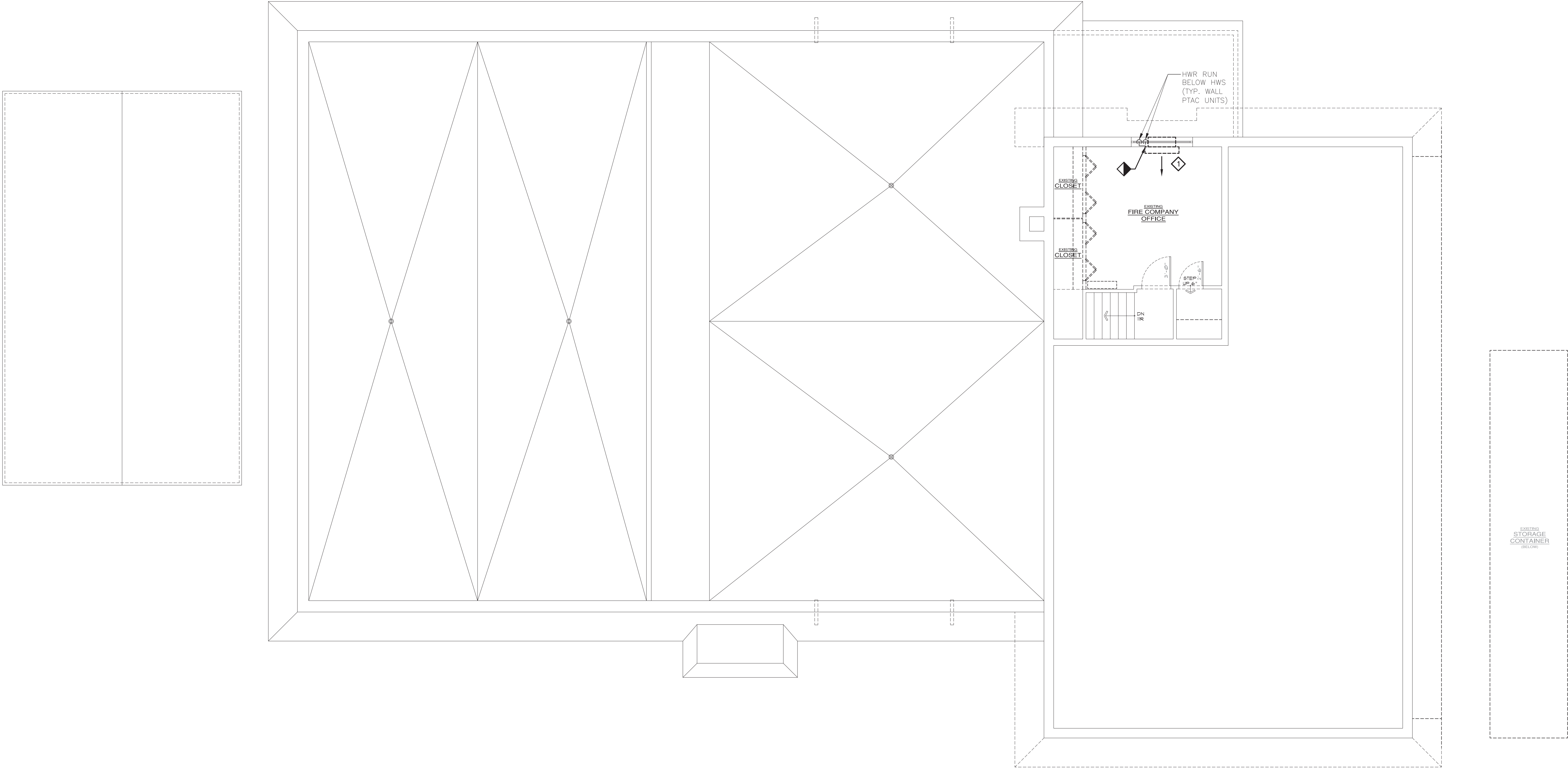
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.

© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25





1 HVAC: DEMOLITION SECOND FLOOR HYDRONIC PLAN  
SCALE: 3/16"=1'-0"

DEMOLITION KEYED NOTE:

- DEMOLISH PTAC HYDRONIC PIPING BACK THROUGH WALL/FLOOR PENETRATION AND CAP TO ABANDON IN-PLACE. G.C. TO PATCH, SEAL AND REPAIR WALL/FLOOR TO MATCH EXISTING.

DEMOLITION NOTES:

- ALL HYDRONIC PIPING IS 1/4" UNLESS OTHERWISE NOTED.
- REMOVE ALL HYDRONIC PIPING NOT RUN WITHIN WALLS OR UNDER SLAB. CUT BACK PIPES BEHIND THE WALL AND FLOOR, THEN CAP LINES TO ABANDON IN-PLACE. G.C. TO PATCH, SEAL, AND REPAIR WALLS AND FLOORS TO MATCH EXISTING.

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER III**  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: WPB	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------

3/16" 1/8" 1/4" 3/8" 1/2" 3/4" 1" 2"

REFERENCE SCALE

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
100 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25

**PEEKSKILL FIREHOUSE KITCHEN INCUBATOR**

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1  
City of Peekskill - Westchester County

**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

Date: September 17, 2024

Revisions:

**HD2.02**

HOOD INFORMATION - JOB#6701720																			
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM (SIZES)					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENGTH	HEIGHT	BIA	END TO END			ROW		
1	KH-1	48B4 ND-2	CAPTIVEAIRE	4' 0"	450 DEG	I	MEDIUM	188	750		4"	10'	750	1375	+0.510"	0	430 SS WHERE EXPOSED	ALONE	ALONE
2	KH-2	48B4 ND-2	CAPTIVEAIRE	4' 0"	450 DEG	I	MEDIUM	188	750		4"	10'	750	1375	+0.510"	0	430 SS WHERE EXPOSED	ALONE	ALONE
3	KH-3	6924 ND-2-PSP-F	CAPTIVEAIRE	12' 0"	450 DEG	I	MEDIUM	200	2400		4"	16'	2400	1719	-1.062"	2050	430 SS WHERE EXPOSED	ALONE	ALONE
4	KH-4	6924 ND-2-PSP-F	CAPTIVEAIRE	12' 0"	450 DEG	I	MEDIUM	200	2400		4"	16'	2400	1719	-1.062"	2050	430 SS WHERE EXPOSED	ALONE	ALONE
5	KH-5	48B4 ND-2	CAPTIVEAIRE	4' 0"	450 DEG	I	MEDIUM	188	750		4"	10'	750	1375	+0.510"	0	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION			FILTER(S)			LIGHT(S)			UTILITY CABINET(S)							FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
HOOD NO	TAG	TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES		
												TYPE	SIZE	MODEL #	QUANTITY		
1	KH-1	CAPRATE SOLID FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO	RIGHT	12"x48"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	YES	544 LBS
2	KH-2	CAPRATE SOLID FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO	LEFT	12"x48"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	YES	544 LBS
3	KH-3	CAPRATE SOLID FILTER	9	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1100 LBS
4	KH-4	CAPRATE SOLID FILTER	9	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1100 LBS
5	KH-5	CAPRATE SOLID FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO							YES	334 LBS

HOOD OPTIONS		OPTION	
1	KH-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.	
		BACKSPASH 80.00" HIGH X 60.00" LONG 430 SS VERTICAL.	
		RISE SENSOR INSTALL 6IN PLEN.	
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
2	KH-2	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.	
		BACKSPASH 80.00" HIGH X 60.00" LONG 430 SS VERTICAL.	
		RISE SENSOR INSTALL 6IN PLEN.	
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
3	KH-3	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.	
		BACKSPASH 80.00" HIGH X 156.00" LONG 430 SS VERTICAL.	
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
4	KH-4	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.	
		BACKSPASH 80.00" HIGH X 156.00" LONG 430 SS VERTICAL.	
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
5	KH-5	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.	
		BACKSPASH 80.00" HIGH X 48.00" LONG 430 SS VERTICAL.	
		RISE SENSOR INSTALL 6IN PLEN.	
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.	

PERFORATED SUPPLY PLENUM(S)									
HOOD NO	TAG	PDS	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENGTH	RISE(S)
3	KH-3	Front	156'	14'	6'	MUA	10"	28"	683 0.212"
							10"	28"	683 0.212"
							10"	28"	683 0.212"
							10"	28"	683 0.212"
4	KH-4	Front	156'	14'	6'	MUA	10"	28"	683 0.212"
							10"	28"	683 0.212"
							10"	28"	683 0.212"
							10"	28"	683 0.212"

WALL-MOUNT UTILITY CABINET							
UTILITY CABINET(S)							
HOOD NO	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES	WEIGHT
			TYPE	SIZE	MODEL #	QUANTITY	
5	WALL MNT	12"x48"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	240.00 LBS

FIRE SYSTEM INFORMATION - JOB#6701720							
FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1	FS-1	TANK FS	4.0	20	18	FIRE CABINET RIGHT	RIGHT, HOOD 1
2	FS-2	TANK FS	4.0	20	18	FIRE CABINET LEFT	LEFT, HOOD 2
3	FS-3	TANK FS	4.0/4.0	40	37	FIRE CABINET RIGHT	RIGHT, HOOD 3
4	FS-4	TANK FS	4.0/4.0	40	37	FIRE CABINET LEFT	LEFT, HOOD 4
5	FS-5	TANK FS	4.0	20	18	WALL UTILITY CABINET LEFT	N/A

GAS VALVE(S)				
FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	FS-1	SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS
2	FS-2	SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS
3	FS-3	SC ELECTRICAL	1.250	CAPTIVEAIRE SYSTEMS
4	FS-4	SC ELECTRICAL	1.250	CAPTIVEAIRE SYSTEMS
5	FS-5	SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS

FOR QUESTIONS, CALL THE  
N. NJ & S. NY  
REGION 69  
PHONE: (201) 669 - 4982  
EMAIL: reg69@captivaire.com

#### SPECIFICATION: CAPRATE® GREASE-STOP® SOLID FILTER

THE CAPRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

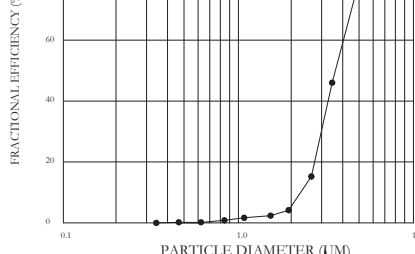
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

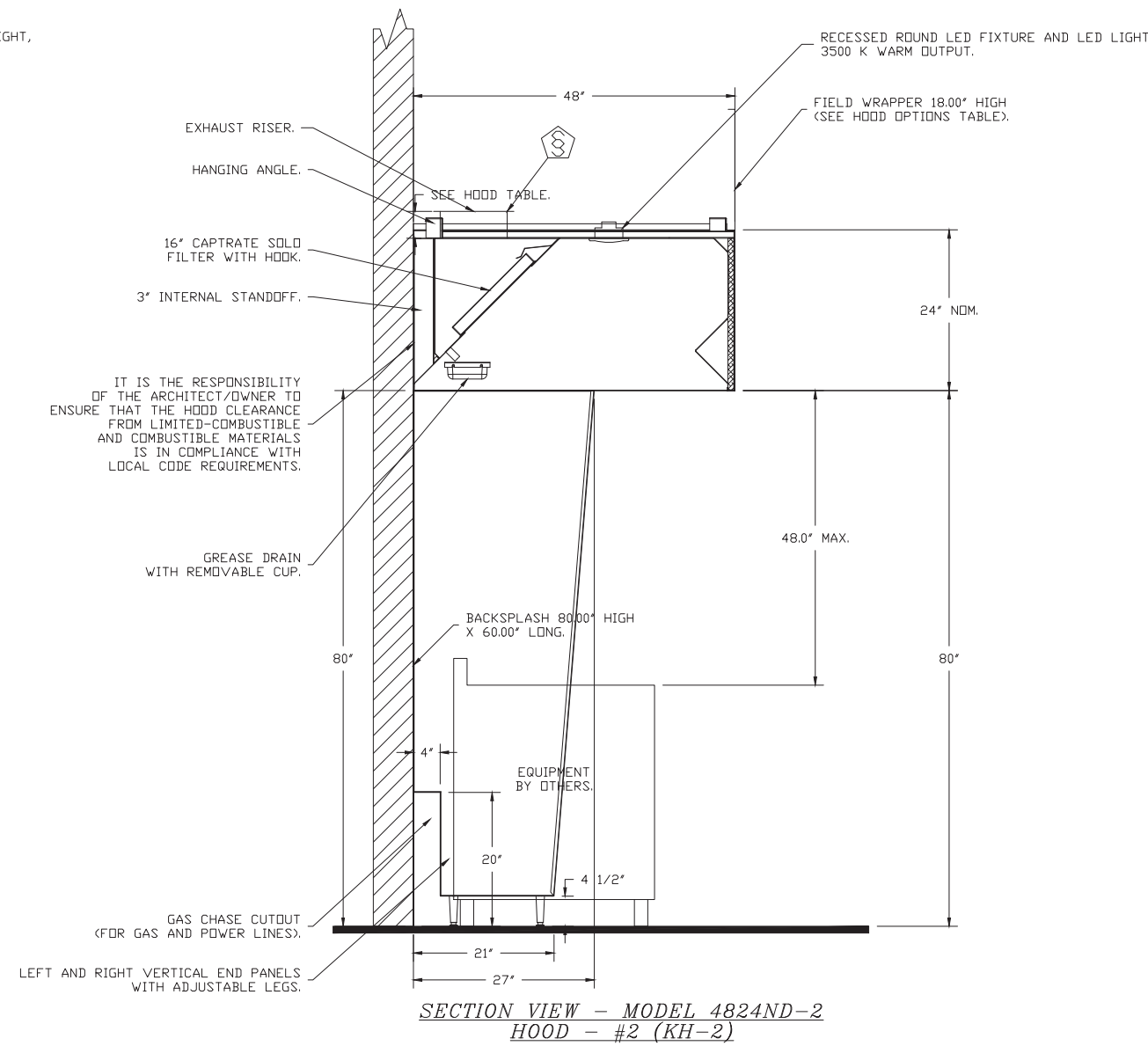
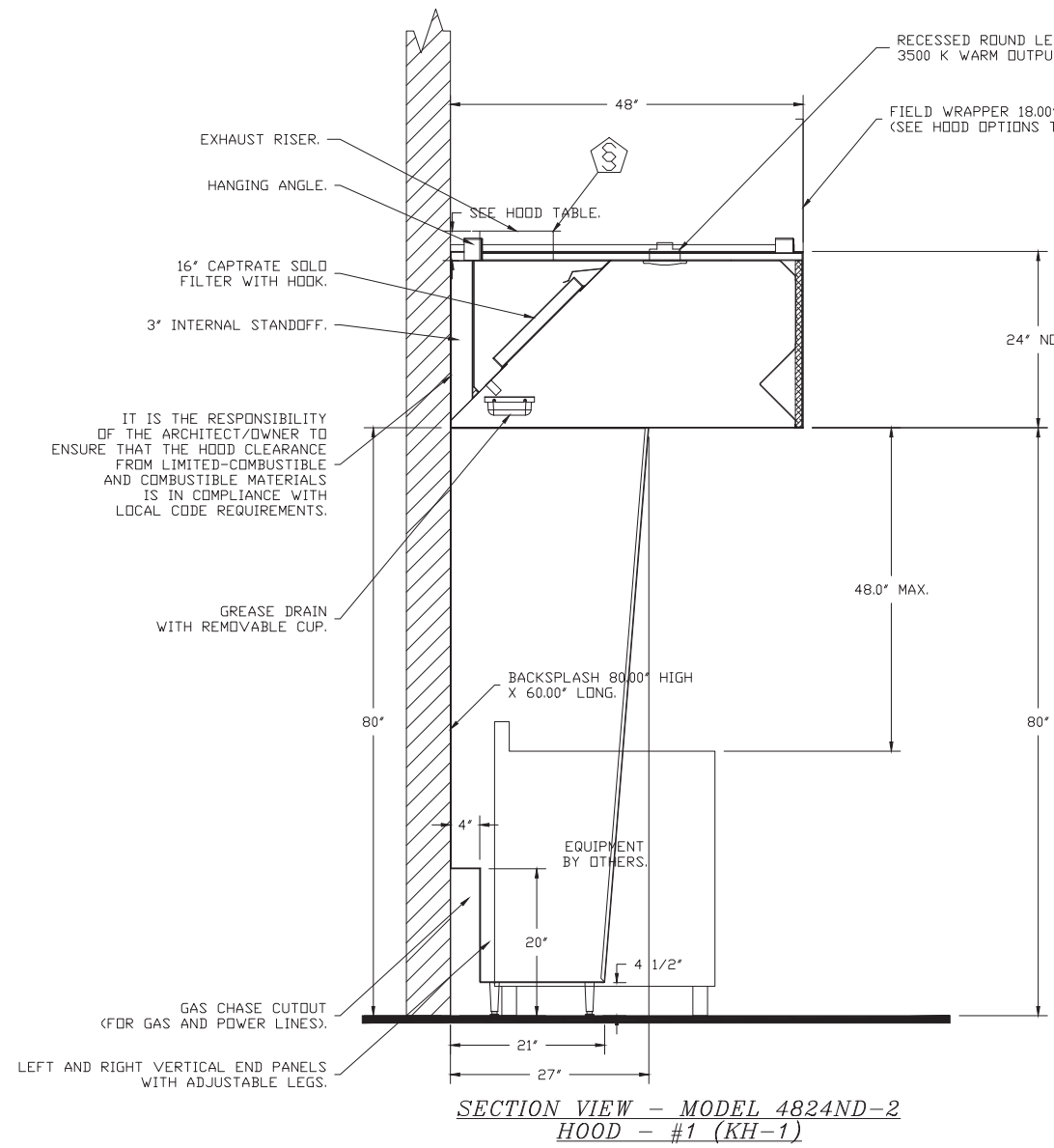
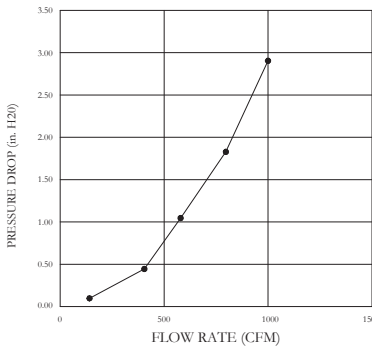
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 10 INCHES OF WATER GAUGE.

THE CAPRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2019-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS PARTICLE DIAMETER



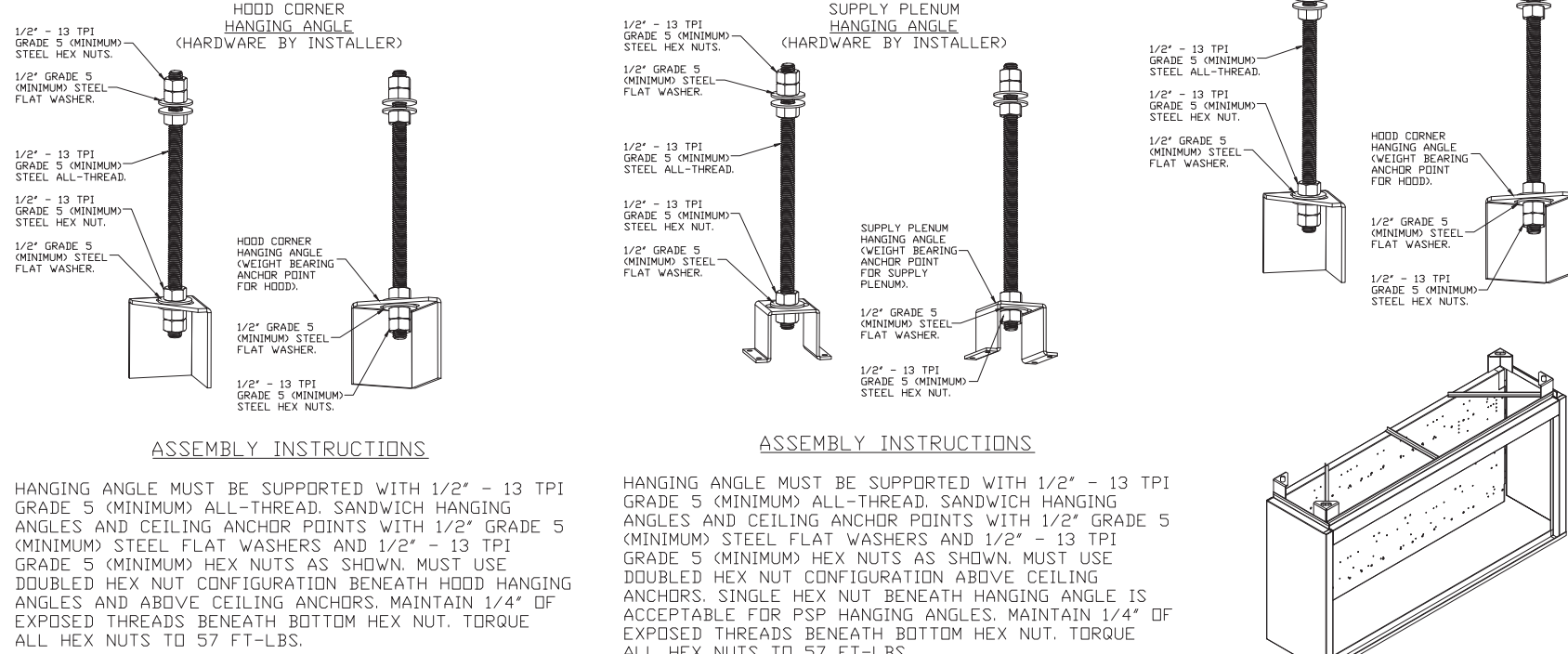
CAPRATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
NFPA 96,  
NSF STANDARD #2,  
UL STANDARD #1046,  
INT. MCH CODE (IMC),  
ULC-S649.



#### WALL-MOUNT UTILITY CABINET ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH UTILITY CABINET HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

CABINET TO BE HUNG BY HOOD INSTALLER. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.



REVISIONS

NO.	DATE	DESCRIPTION
1		

www.econ-air.com

N. NJ & S. NY

Peekskill, NJ 07070 PHONE: (201) 669 - 4882 FAX: 819472624 EMAIL: reg69@econair.com

econ·air

Peekskill Firehouse Kitchen Incubator R2

701 Washington Street,  
Peekskill, NY, 10566

DATE: 7/30/2024

DWG.#: 6784502

DESIGNED BY: billy.gast

SCALE: N.T.S.

MASTER DRAWING

SHEET NO. 1

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENERZ ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

FELLENERZ III

ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW

DRAWN BY: JCL

APPROVED BY: EDF

FE PROJECT #: 23-369

1" = 2'

REFERENCE SCALE

## PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B/L: 32-20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024  
Revisions:

H4.01

JTA  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
100 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

#### NOTES:

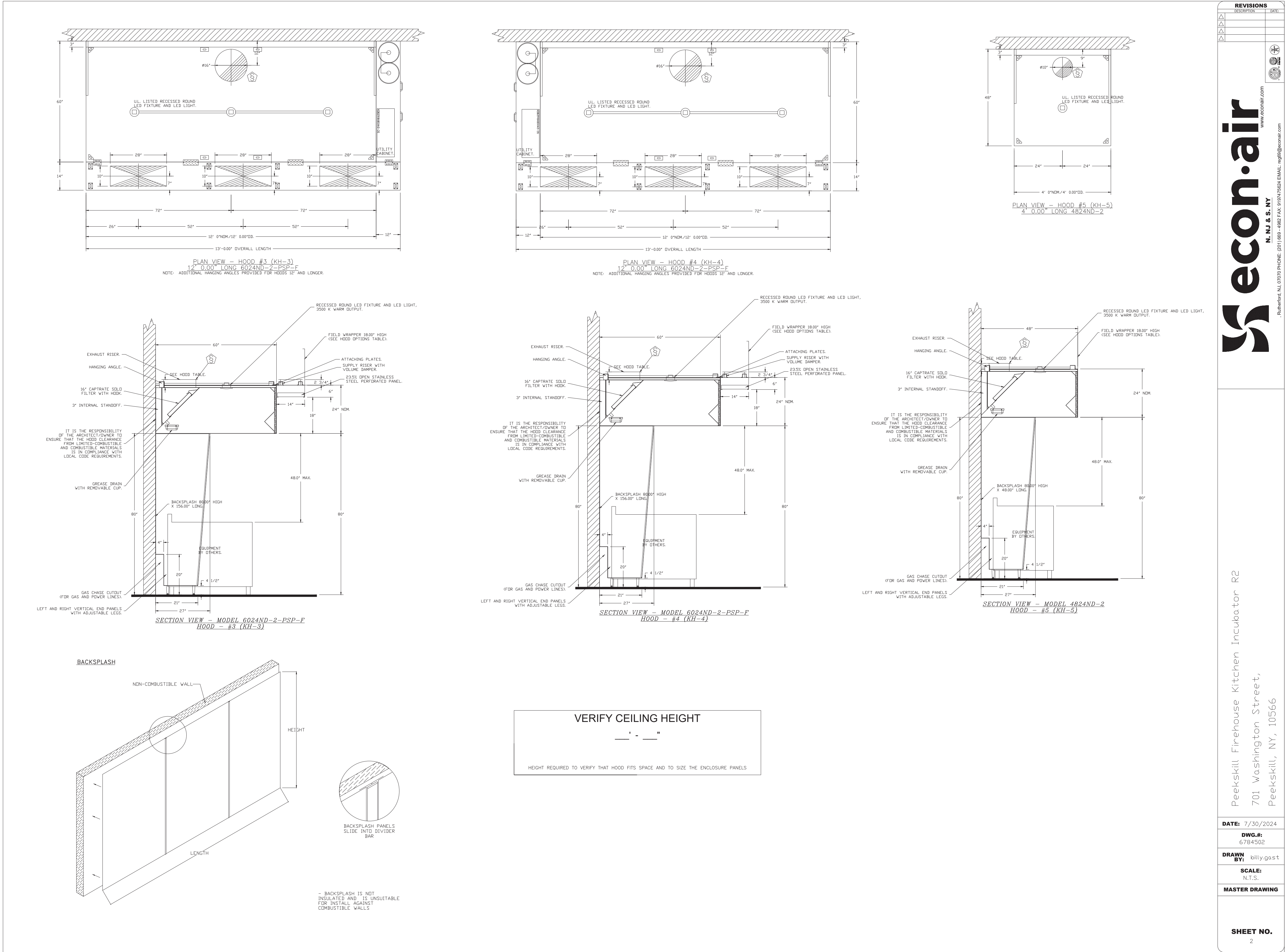
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.

© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25





REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		

**N. NJ & S. NY**  
www.econair.com  
Rutherford, NJ 07070 PHONE: (201) 880-1482 FAX: 919477624 EMAIL: rep@econair.com

Peekskill Firehouse Kitchen Incubator R2  
701 Washington Street,  
Peekskill, NY, 10566

DATE: 7/30/2024  
DWG.#: 6784502  
DRAWN BY: billy.gost  
SCALE: N.T.S.  
MASTER DRAWING

SHEET NO. 2

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENGER ENGINEERING, LLP  
CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENGER**  
ENGINEERING LLP  
www.felip.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369

REFERENCE SCALE

JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
108 N Division Street, Ste 100  
Peekskill, New York 10566  
PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

SEAL  
ERIC D. FELLENGER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073084-1  
ISSUED 1995 EXP. 8/25

**PEEKSKILL FIREHOUSE KITCHEN INCUBATOR**

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1  
City of Peekskill - Westchester County

**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

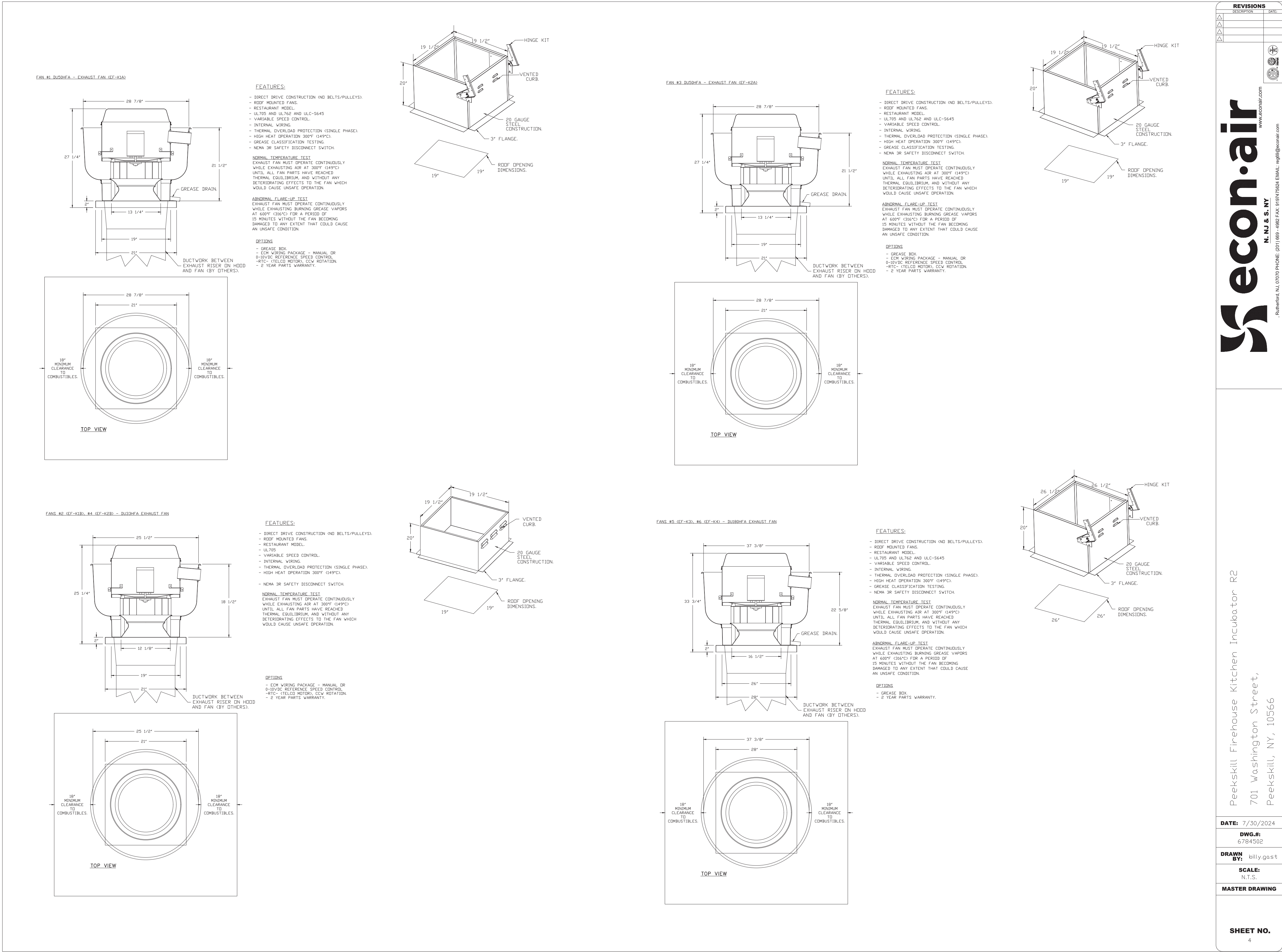
Date: September 17, 2024  
Revisions:


**H4.02**









UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP  
CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER III**  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369

1/8" 1/4" 3/8" 0 1" 2"  
REFERENCE SCALE

**H4.04**



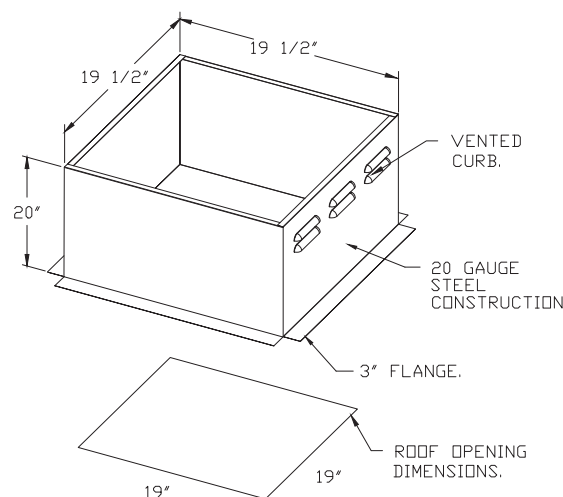
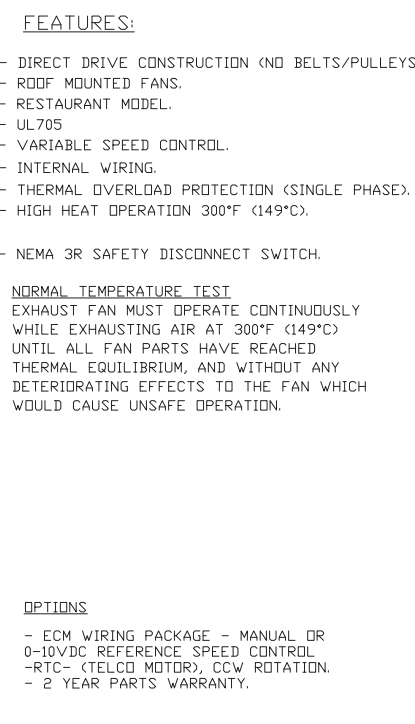
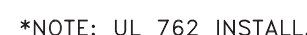
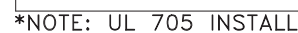


**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

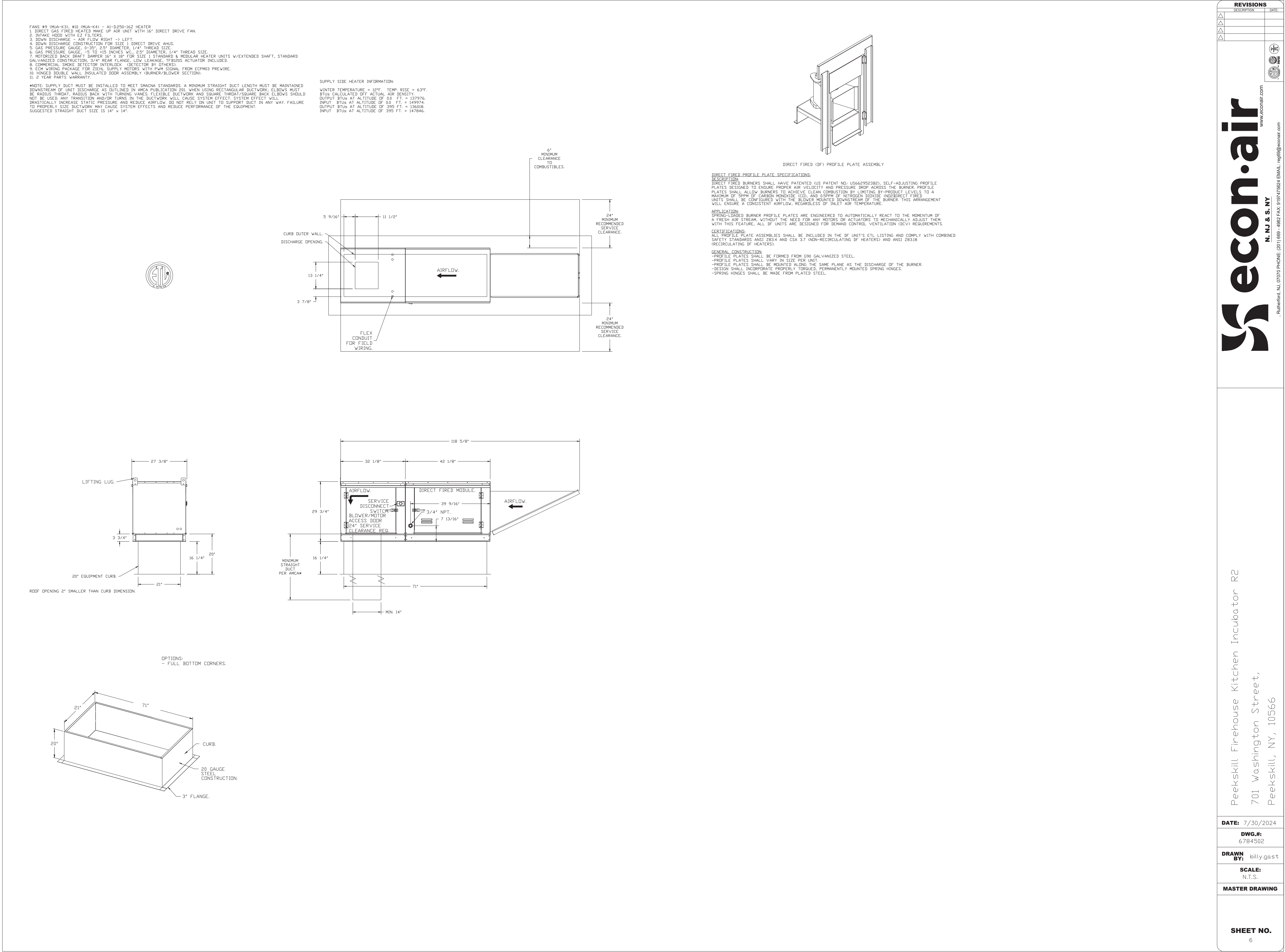
Date: September 17, 2024

REFERENCE SCALE

**SHEET NO.**  
5







PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:



Joseph G. Thompson Architect, PLLC  
109 N Division Street, Ste 100  
Peekskill, New York 10566

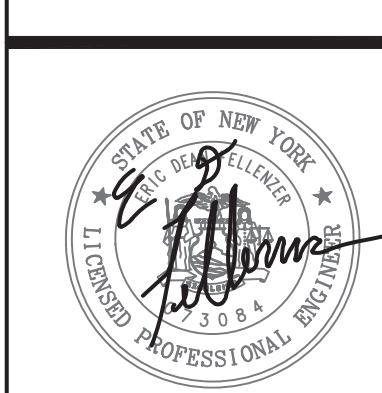
PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.

© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENZER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENZER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENZER III**  
ENGINEERING LLP

22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481 fx 845-343-4986  
181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704 fx 855-320-8735

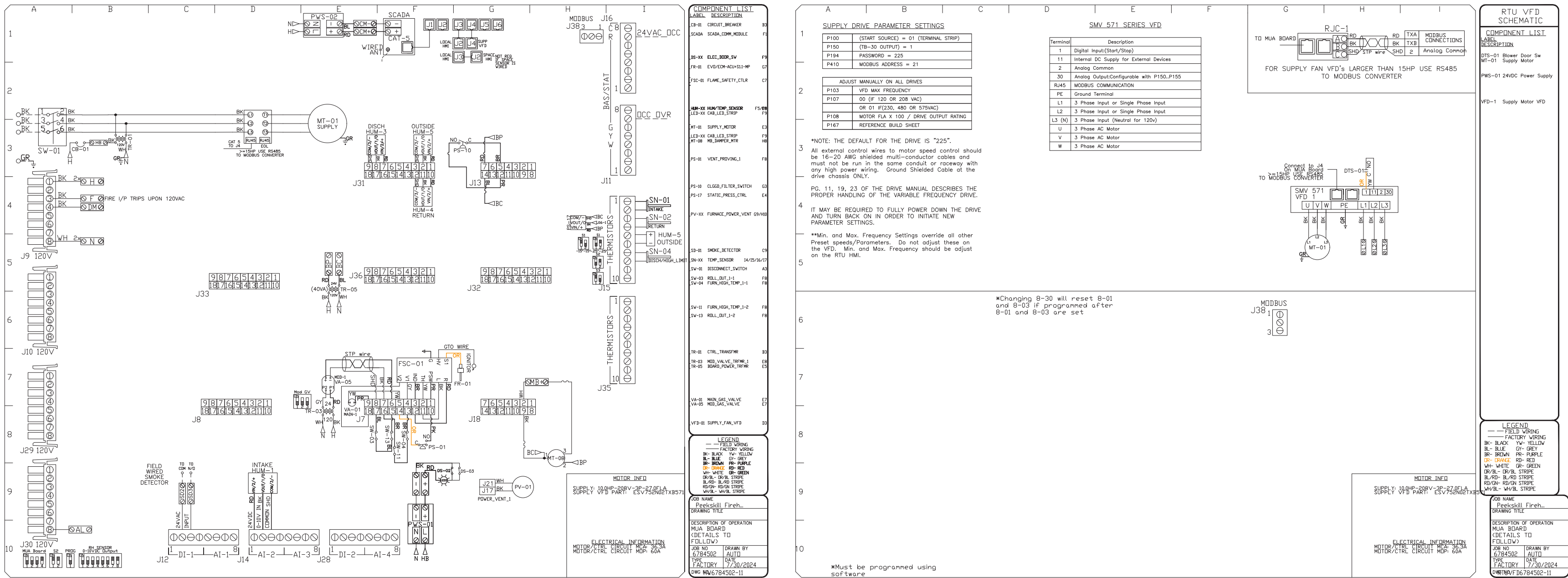
DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369



H4.06






$$\| \text{Dev} \|_2 = \left\| \begin{bmatrix} \text{Five} \\ \text{Four} \\ \text{Three} \\ \text{Two} \\ \text{One} \end{bmatrix} + \begin{bmatrix} \text{Six} \\ \text{Five} \\ \text{Four} \\ \text{Three} \\ \text{Two} \end{bmatrix} \right\|_2$$

DATE \_\_\_\_\_

RAV \_\_\_\_\_

IAS \_\_\_\_\_

ET  
8

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A  
LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF  
SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION L  
FELLENZER ENGINEERING, LLP  
CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENZER**  
ENGINEERING LLP

www.fellp.com

Mulberry St., Suite 2A,  
Detroit, MI 10940  
5-343-1481 fx 845-343-4986

181 Church St., S.  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-

ED BY:	DRAWN BY:	APPROVED BY:	FE PROJECT #
RW	JCL	EDF	23-3

1/8 1/4 1/2 0 1 2"

REFERENCE SCALE

# PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32.20-9-1

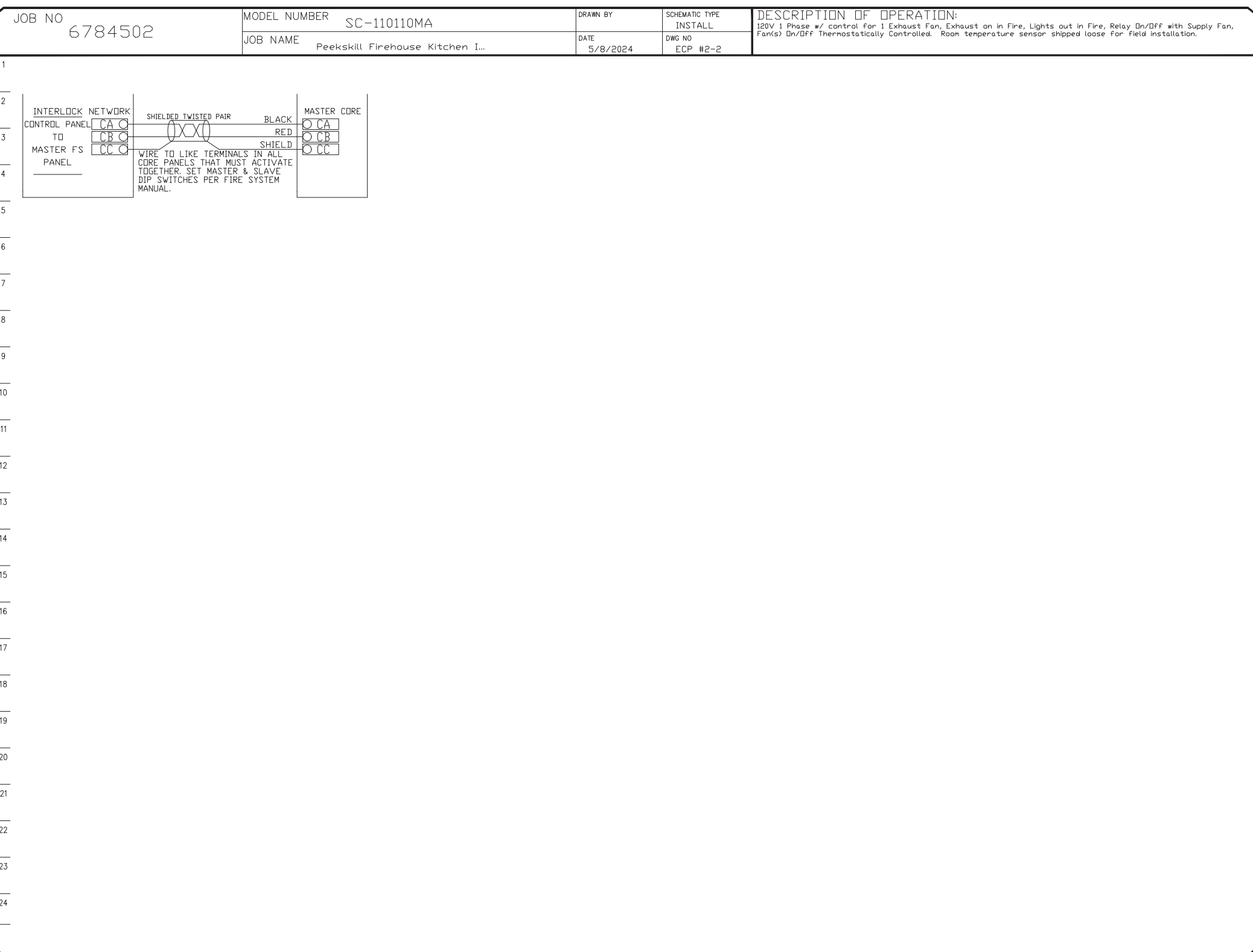
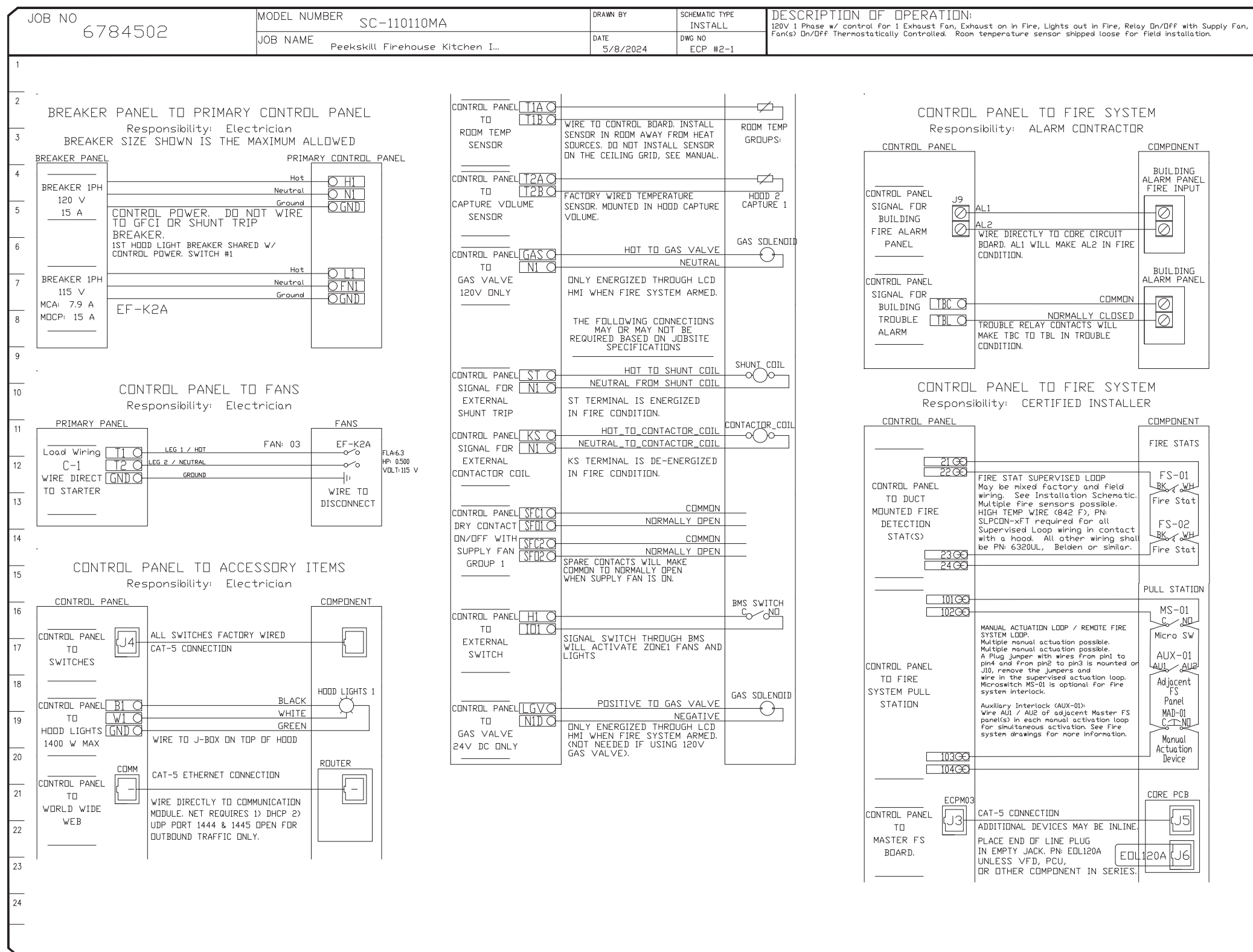
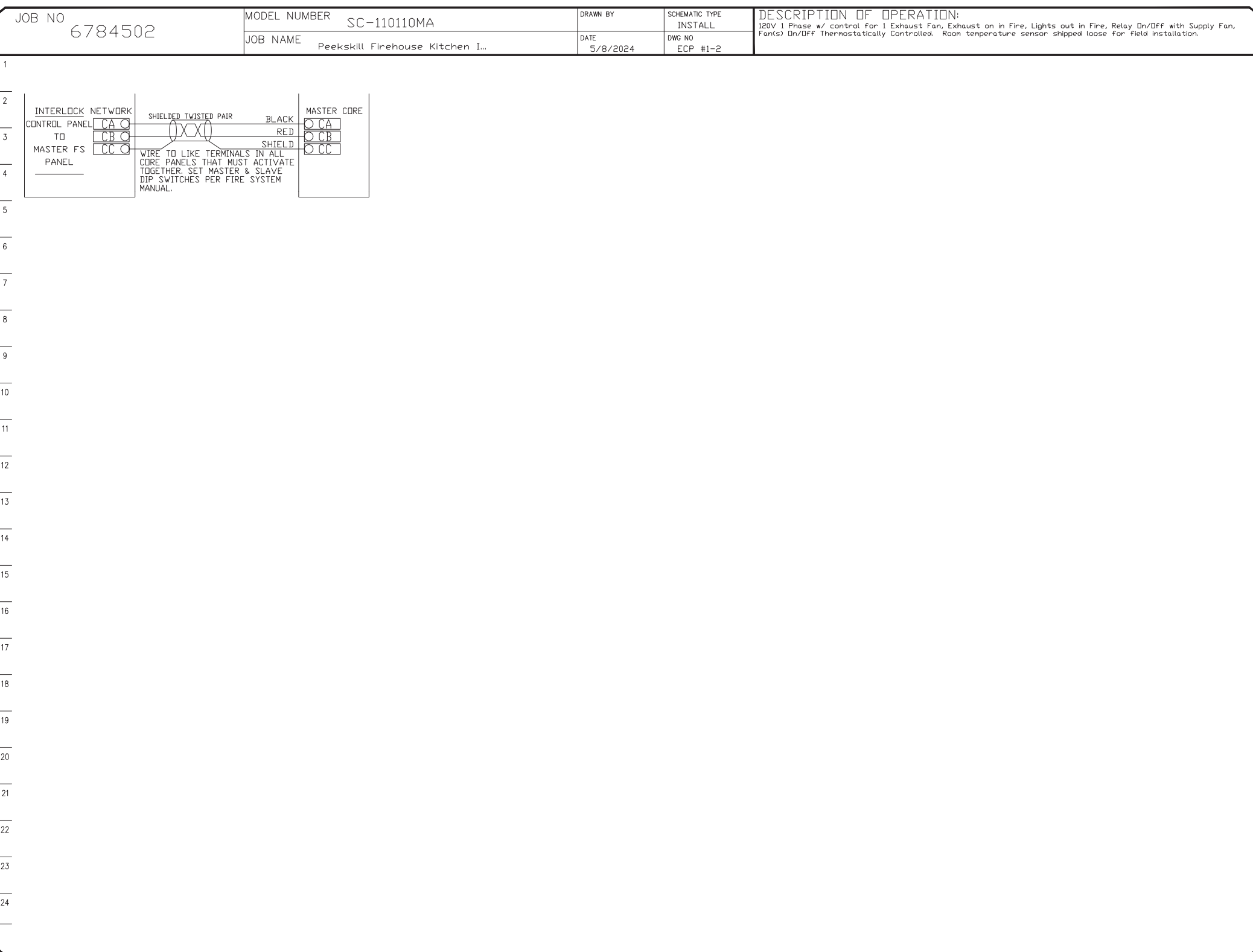
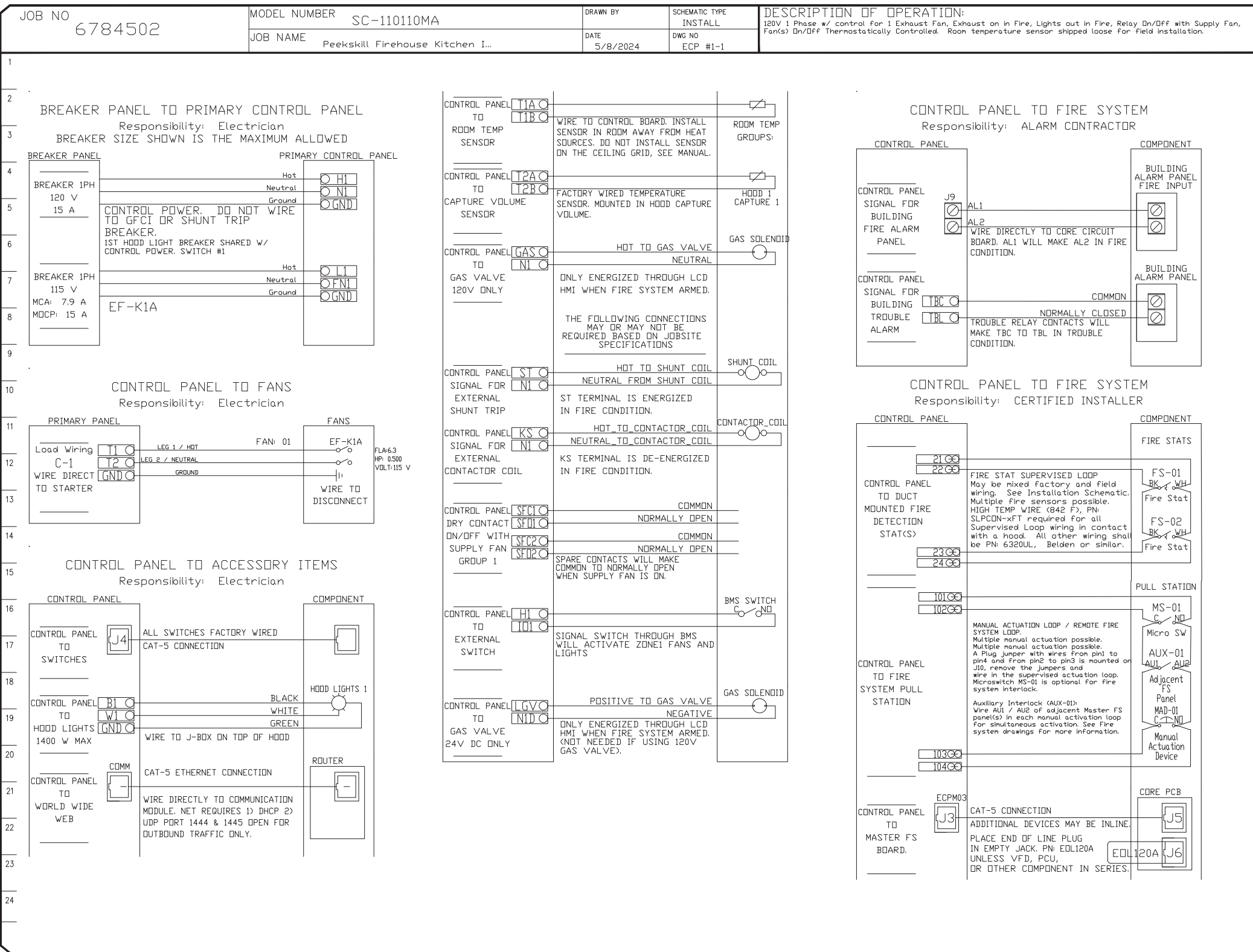
**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

Date: September 17, 20

Revisions:

## H4.08





Peekskill Firehouse Kitchen Incubator R2  
701 Washington Street,  
Peekskill, NY, 10566

SHEET NO.  
9

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER III**  
ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369

1" = 1'

REFERENCE SCALE

**PEEKSKILL FIREHOUSE KITCHEN INCUBATOR**

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

Date: September 17, 2024

Revisions:

**H4.09**

**Recon·air**  
N. NJ & S. NY  
Rumford, NJ 07070 PHONE: (201) 665 - 4082 FAX: (907) 7564 EMAIL: info@reconair.com

REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
108 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED. THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

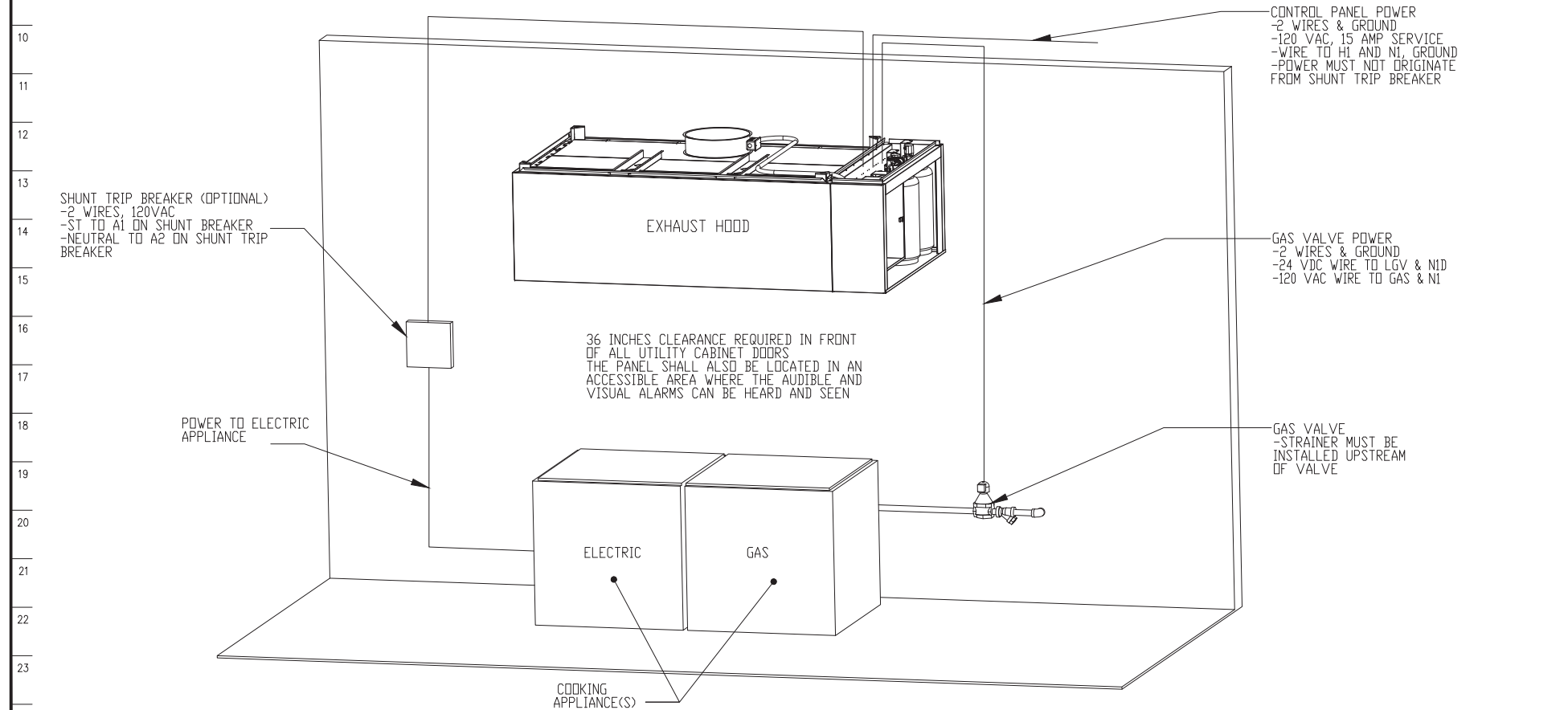
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.

© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

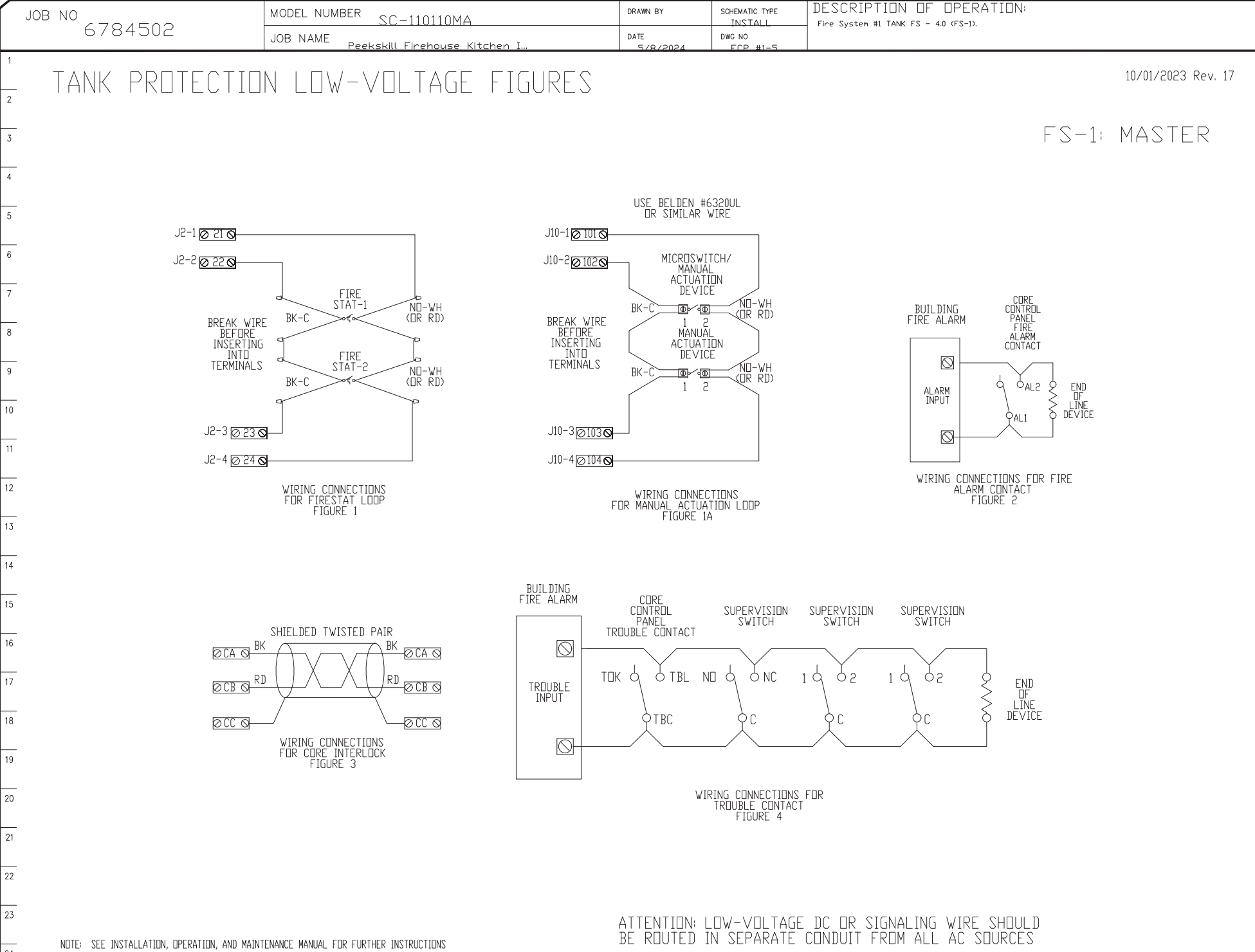
SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 2025



JOB NO	MODEL NUMBER	DATE	SCHEMATIC TYPE	DESCRIPTION OF OPERATION
6784502	SC-110110MA	5/8/2024	INSTALL	Fire System #1 TANK FS - 43 (FS-1)
Peekskill Firehouse Kitchen 1..				
TANK PROTECTION ELECTRICAL DETAIL				
FS-1: MASTER				
ELECTRICIAN				
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC				
2. WIRE ALL LANS PER INCLUDED SCHEMATIC				
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)				
4. WIRE 120VAC ANSUL AUTOMAN (OPTIONAL)				
5. WIRE GAS VALVE				
ELECTRICAL CONTRACTOR REQUIREMENT				
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE
SHUNT TRIP BREAKER (OPTIONAL)	ST & NI	BREAKER COIL ON & NO	120 VAC	< 4 AMPS
CONTROL PANEL POWER	HI & NI + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & NI	KTS & NI	120 VAC	< 4 AMPS
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AUI, AUI	SOLENOID	120 VAC	< 6 AMPS
GAS VALVE	LOV & NID OF 24 VDC (24V & NI OF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 10 AMPS
COMMENTS				
ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL				
CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER				
KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES				
120V TO AUI, AUI TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL				
IF 24 VDC - 2 WIRES & GROUND NID TO RED, LOV TO RED, AND GREEN TO GROUND				
IF 120 VAC - 2 WIRES & GROUND GAS TO RED, NI TO RED, AND GREEN TO GROUND				

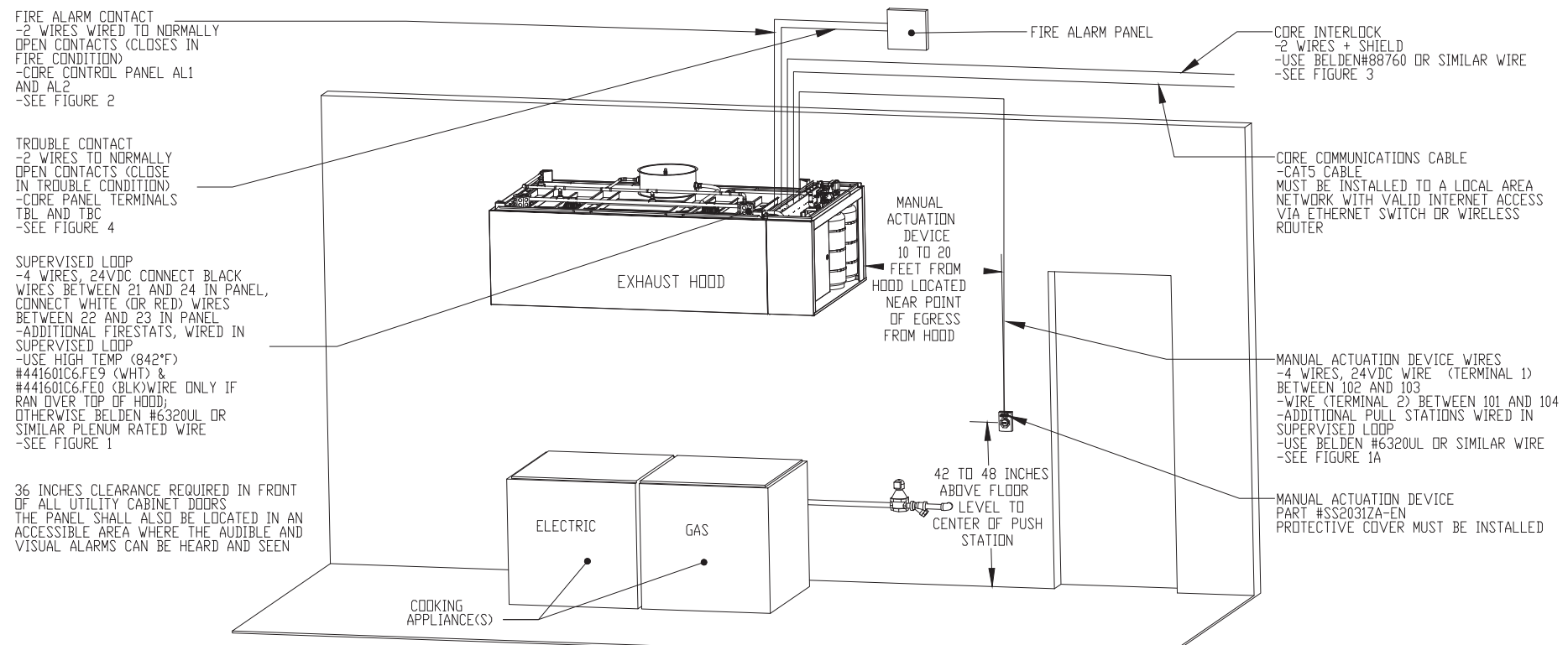


NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS



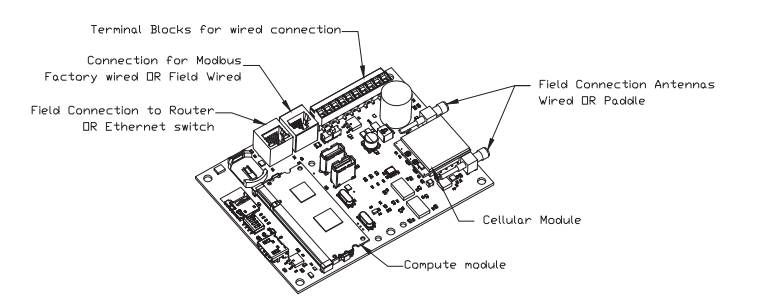
NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO	MODEL NUMBER	DATE	SCHEMATIC TYPE	DESCRIPTION OF OPERATION
6784502	SC-110110MA	5/8/2024	INSTALL	Fire System #1 TANK FS - 43 (FS-1)
Peekskill Firehouse Kitchen 1..				
TANK PROTECTION LOW-VOLTAGE DETAIL				
FS-1: MASTER				
ALARM CONTRACTOR				
1. WIRE MANUAL ACTUATION DEVICES REMOTE FIRESTATS, CORE INTERLOCKS, FIRE SENSORS AND FIRE ALARM CONTACTS				
2. WIRE FIRE SENSORS TO CORE SYSTEM				
3. VERIFY FINAL FIRE SYSTEM TEST				
ALARM CONTRACTOR REQUIREMENT				
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE
MANUAL ACTUATION DEVICES	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A
REMOTE FIRESTAT SENSORS	22 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (DC/AC)	UP TO 1 AMP
CORE INTERLOCKS	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL	
TROUBLE CONTACT	TBC, TBL, TDK	VARIES	MAX 120 VAC	UP TO 6 AMPS
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<10 AMPS
COMMENTS				
WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103				
WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104				
JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED				
IF SENSORS INSTALLED USE COVER EXTENSION 111-05501				
WIRE FIRE SENSORS WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23				
WIRE FIRE SENSORS BLACK WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23				
HIGH TEMP (842°F) 844/850/852/853 (WHT) & 844/850/852/853 (BLK) WIRE OR SIMILAR ONLY IF RAN				
IF 120V (120VAC) BELDEN 86760 OR SIMILAR PLAIN BELL WIRE USE FIGURE 1				
FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE				
CORE ELECTRICAL CONTROL PANEL				
CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA, TO CORE SYSTEM (3) CB, TO CORE SYSTEM (4) CC, TO CORE SYSTEM (5) CC, USE BELDEN 86760 OR SIMILAR WIRE				
WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSURES IN TROUBLE CONDITION				
TYPICAL CONNECTION (CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION)				



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS



**CASlink Monitor and Control**

Head control panel to support communications to cloud-based Building Management System.

Head Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.

Head Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.

Head Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST			
RTV Package	Function	RTV Package	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
WGA Discharge Temperature	MONITOR	WGA Discharge Temperature	MONITOR
Blower RTV Discharge Temperature	MONITOR	Blower RTV Discharge Temperature	MONITOR
Fan Speed	MONITOR	Disinfectant Fan(s)	MONITOR
Fan Amperage	MONITOR	Fan Fault(s)	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
RTV Fault(s)	MONITOR	RTV Fault(s)	MONITOR
Controller Fault(s)	MONITOR	RTV Filter Clog Percentage	MONITOR
Fan Fault(s)	MONITOR	Fine Condition	MONITOR
Fan Status	MONITOR	CO2 Flow System	MONITOR
RTV Fault(s)	MONITOR	Building Pressure	MONITOR
RTV Filter Clog Percentage	MONITOR	Fine But(s)	MONITOR & CONTROL
Fine Condition	MONITOR	Light(s) But(s)	MONITOR & CONTROL
CO2 Flow System	MONITOR	Rain But(s)	MONITOR & CONTROL
Building Pressure	MONITOR		
Prop Time But(s)	MONITOR & CONTROL		
Fine But(s)	MONITOR & CONTROL		
Light(s) But(s)	MONITOR & CONTROL		
Rain But(s)	MONITOR & CONTROL		

Peekskill Firehouse Kitchen Incubator R2  
701 Washington Street,  
Peekskill, NY, 10566

DATE: 7/30/2024  
DWG.#: 6784502  
DRAWN BY: killy.gast  
SCALE: N.T.S.  
MASTER DRAWING

SHEET NO. 10

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER** III  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369

0 1" 2"  
REFERENCE SCALE

# PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024  
Revisions:

H4.10

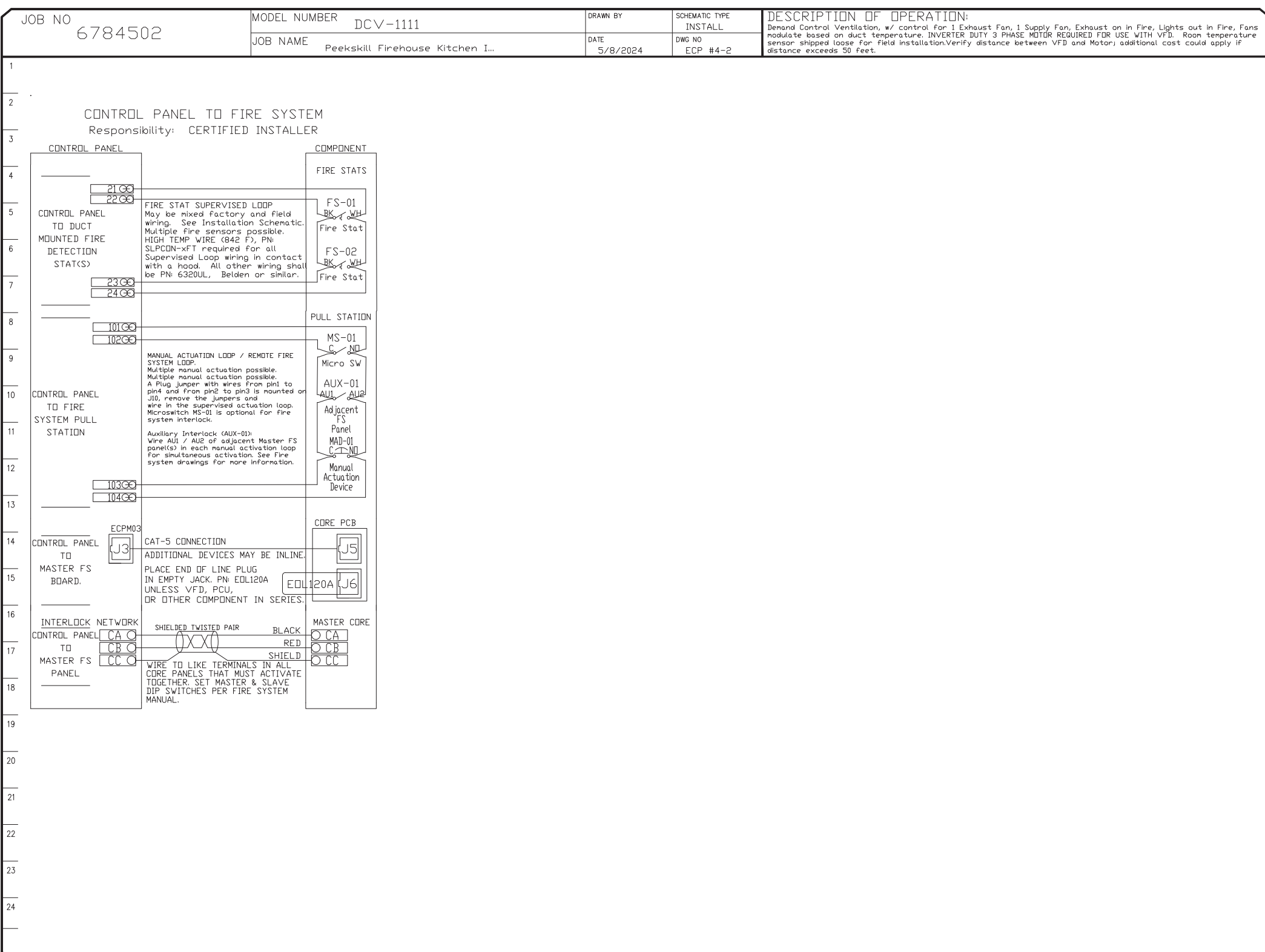
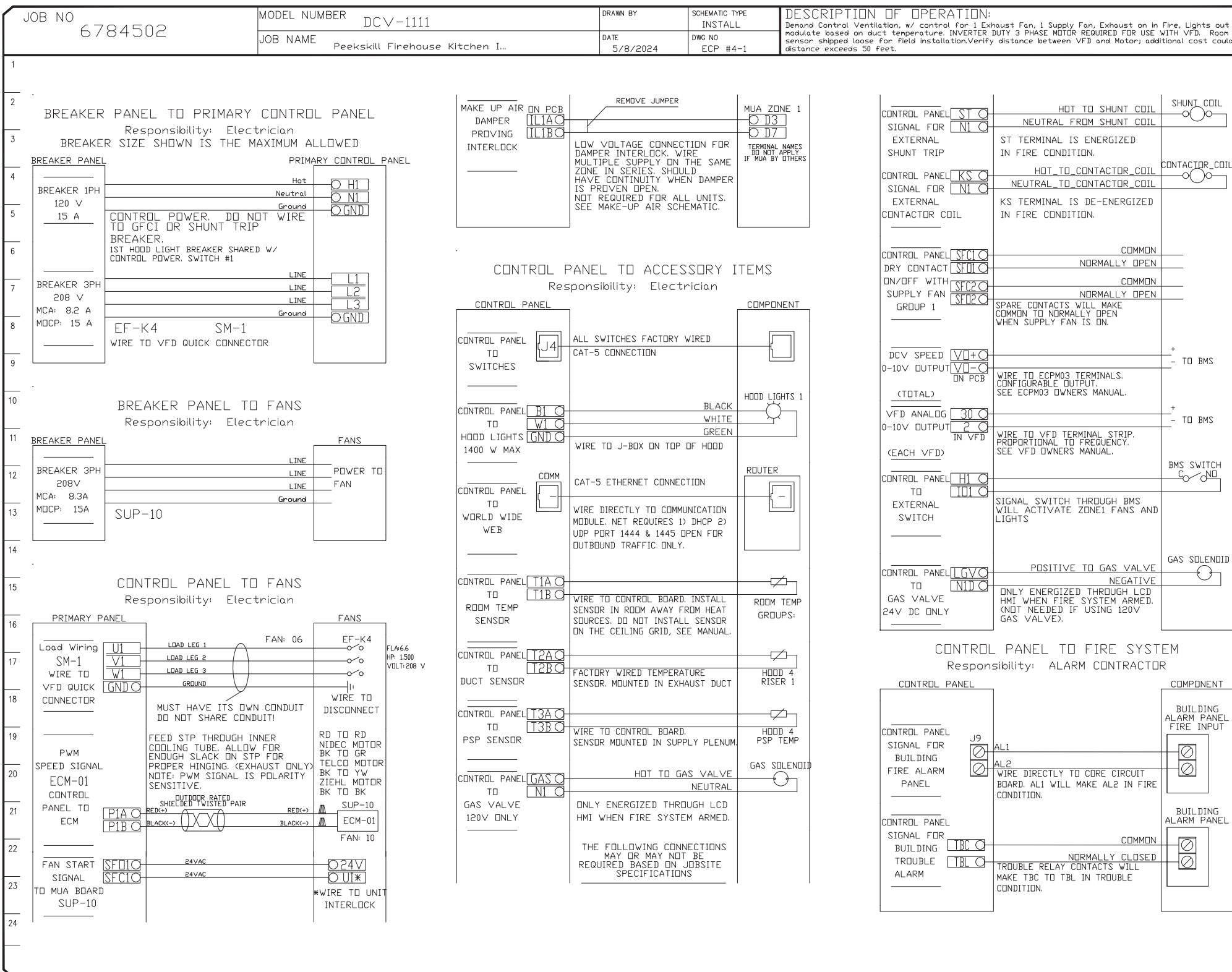
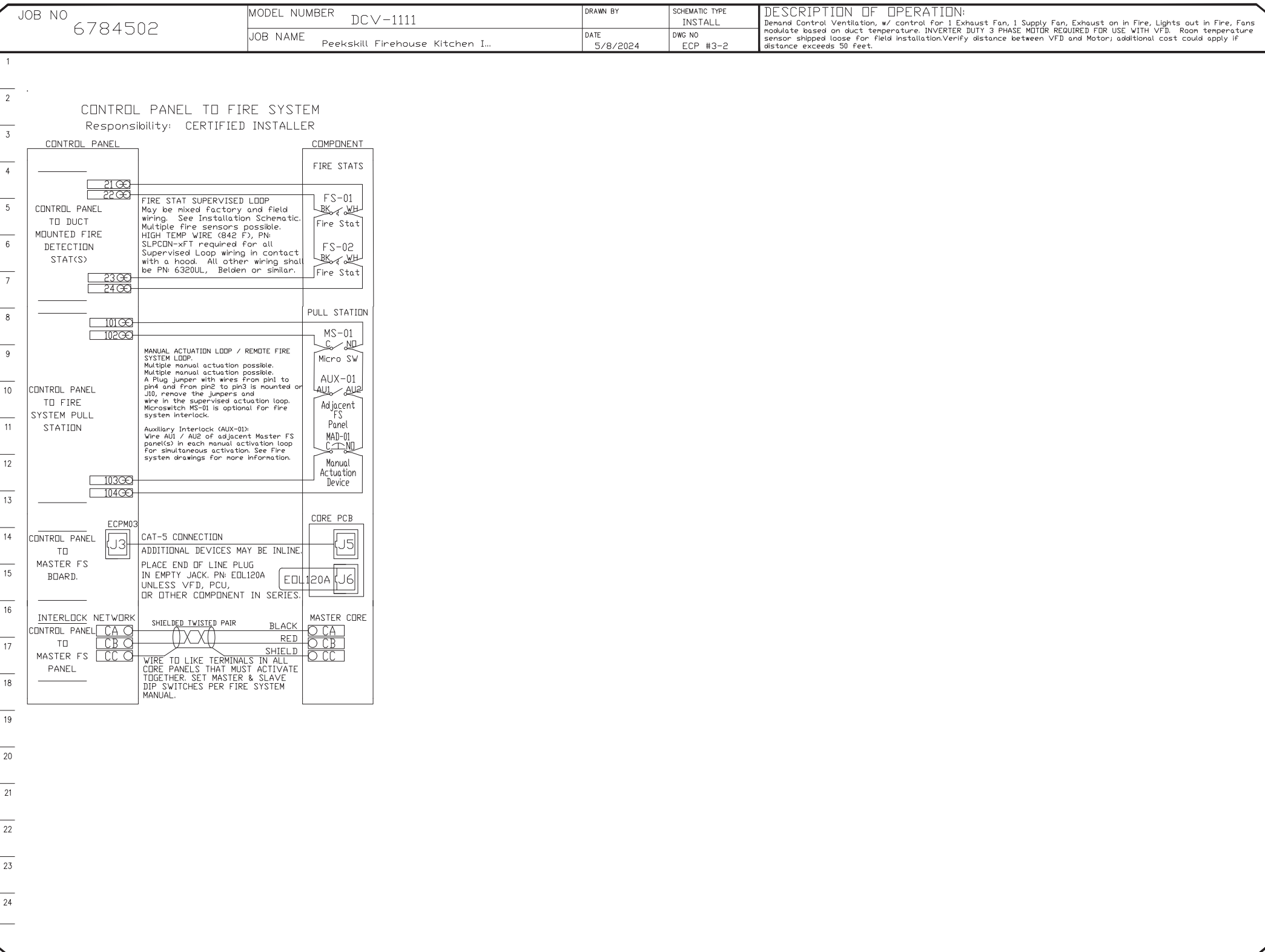
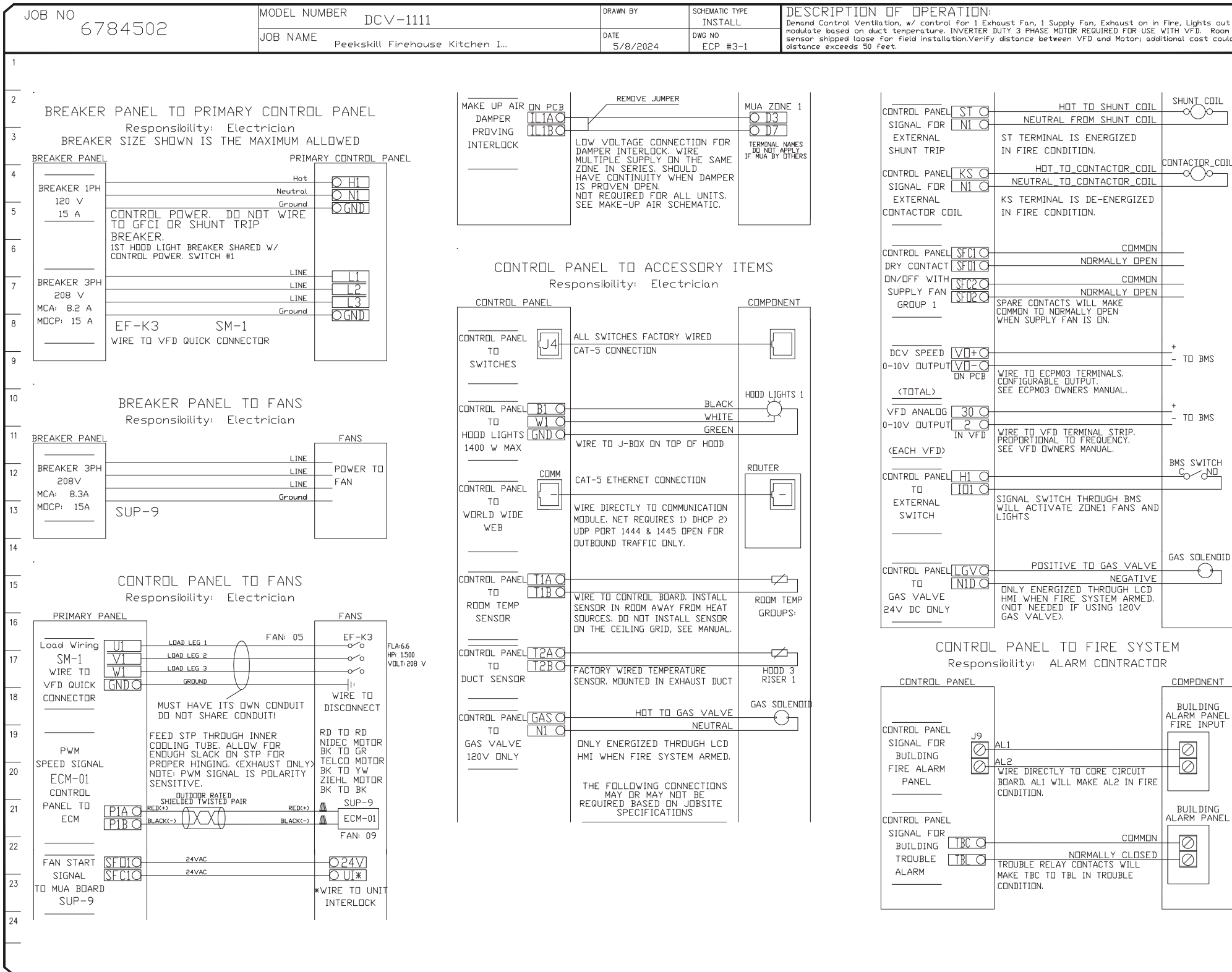
JOSEPH THOMPSON ARCHITECT  
Joseph G. Thompson Architect, PLLC  
100 N Division Street, Ste 100  
Peekskill, New York 10566  
PH: (845) 532-8156  
EM: joe@jthompsonarch.com  
NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

JTA  
JOSEPH THOMPSON ARCHITECT

Joseph G. Thompson Architect, PLLC  
100 N Division Street, Ste 100  
Peekskill, New York 10566  
PH: (845) 532-8156  
EM: joe@jthompsonarch.com

STATE OF NEW YORK  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25





Peekskill Firehouse Kitchen Incubator R2  
701 Washington Street,  
Peekskill, NY, 10566

DATE: 7/30/2024  
DWG.#: 6784502  
DRAWN BY: billy.gast  
SCALE: N.T.S.  
MASTER DRAWING

SHEET NO. 11

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENERZ ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENERZ III**  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369

1" = 2"  
REFERENCE SCALE

Date: September 17, 2024  
Revisions:

**PEEKSKILL FIREHOUSE KITCHEN INCUBATOR**  
City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

**DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION**

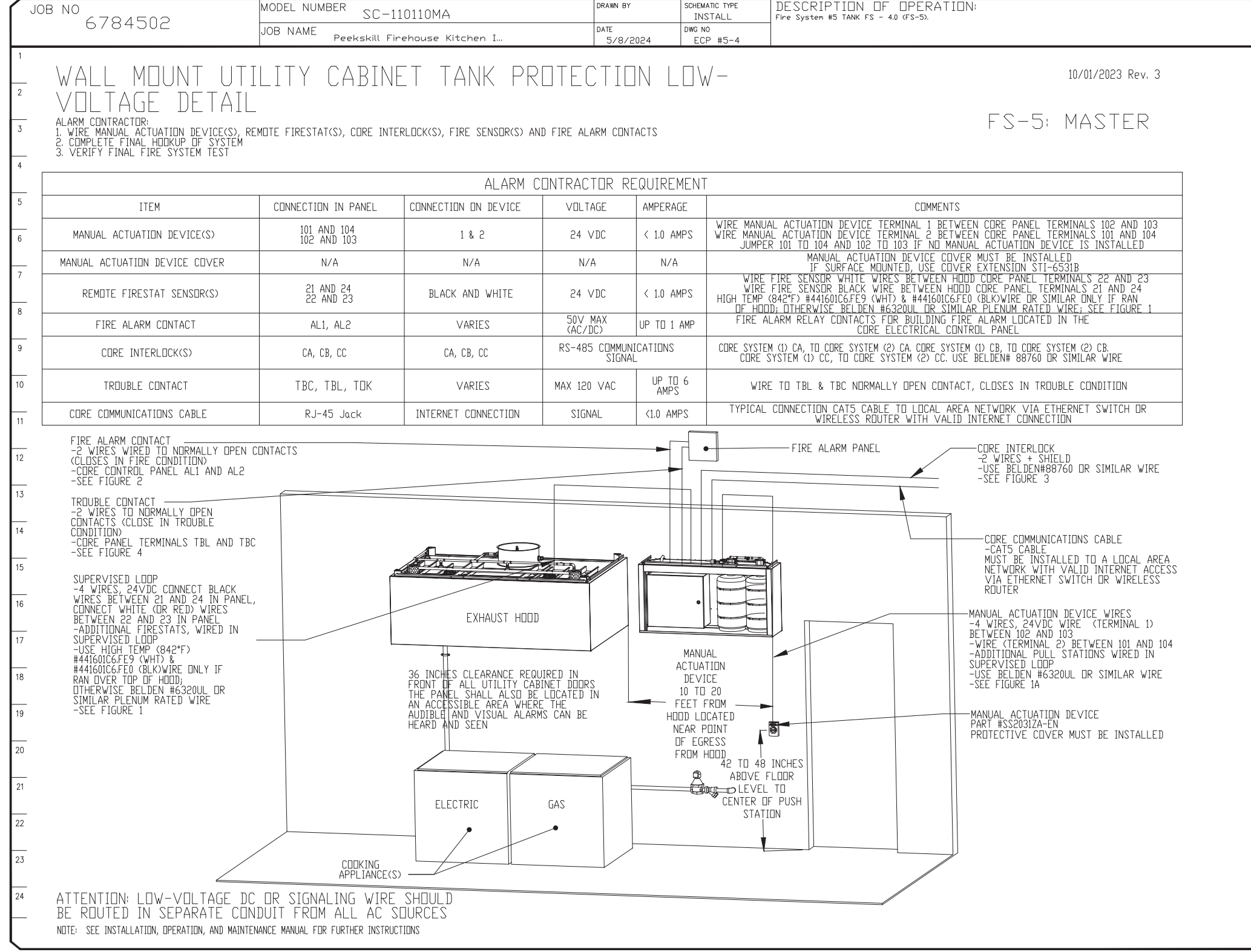
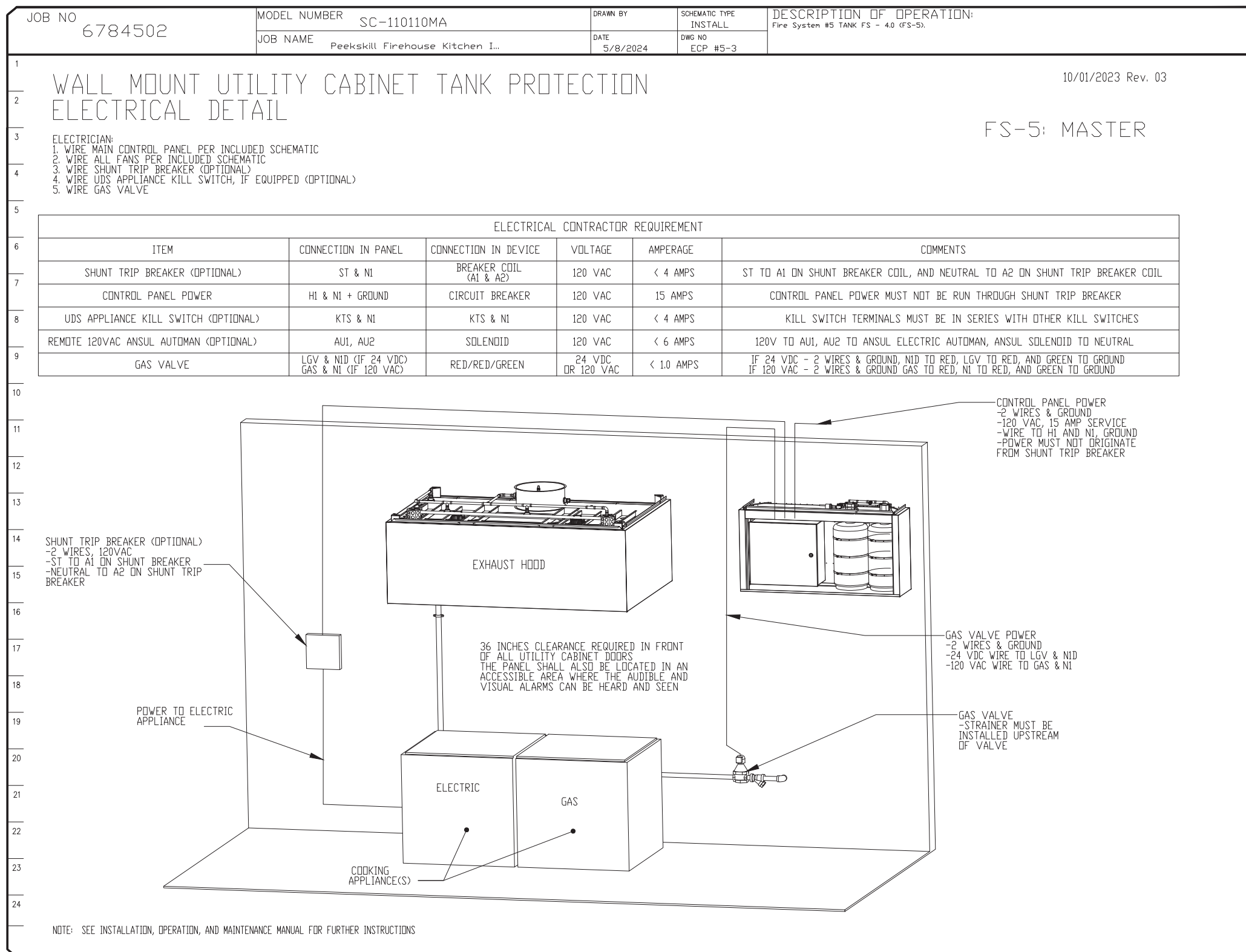
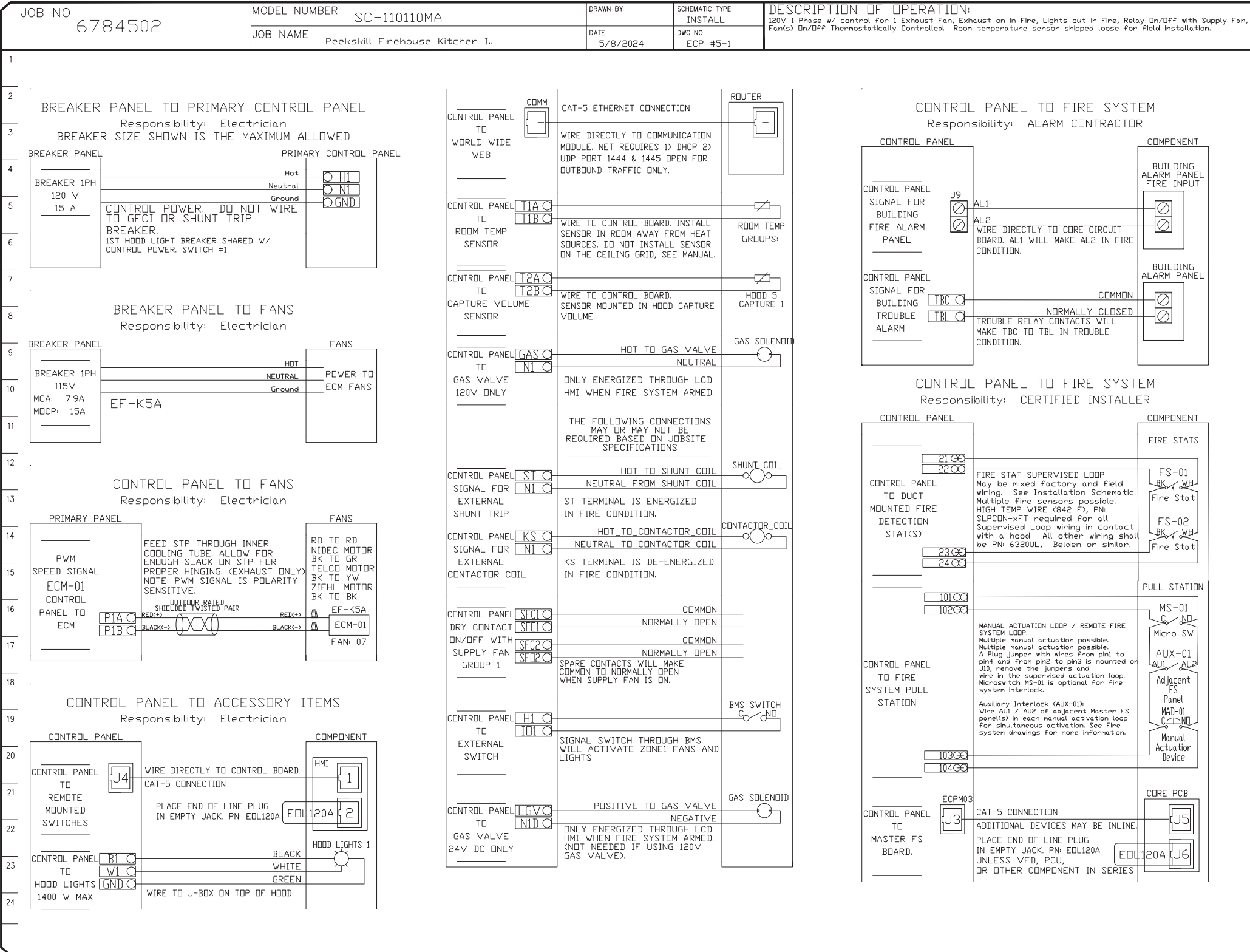
SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073046-1  
ISSUED 1995 EXP. 8/25

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY, IF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

Joseph G. Thompson Architect, PLLC  
109 N Division Street, Ste 100  
Peekskill, New York 10566  
PH: (845) 532-8156  
EM: joe@thompsonarch.com

**JTA**  
JOSEPH THOMPSON  
ARCHITECT





**REVISIONS**

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		

**econ·air**  
N.J. & N.Y.  
www.econair.com

Peekskill Firehouse Kitchen Incubator R2  
701 Washington Street,  
Peekskill, NY, 10566

DATE: 7/30/2024  
DWG.#: 6784502  
DRAWN BY: billy.gast  
SCALE: N.T.S.  
MASTER DRAWING

**SHEET NO.**  
12

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER III**  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW  
DRAWN BY: JCL  
APPROVED BY: EDF  
FE PROJECT #: 23-369

REFERENCE SCALE  
1" = 2"

**PEEKSKILL FIREHOUSE KITCHEN INCUBATOR**

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

Date: September 17, 2024

Revisions:

**H4.12**

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
109 N Division Street, Ste 100  
Peekskill, New York 10566

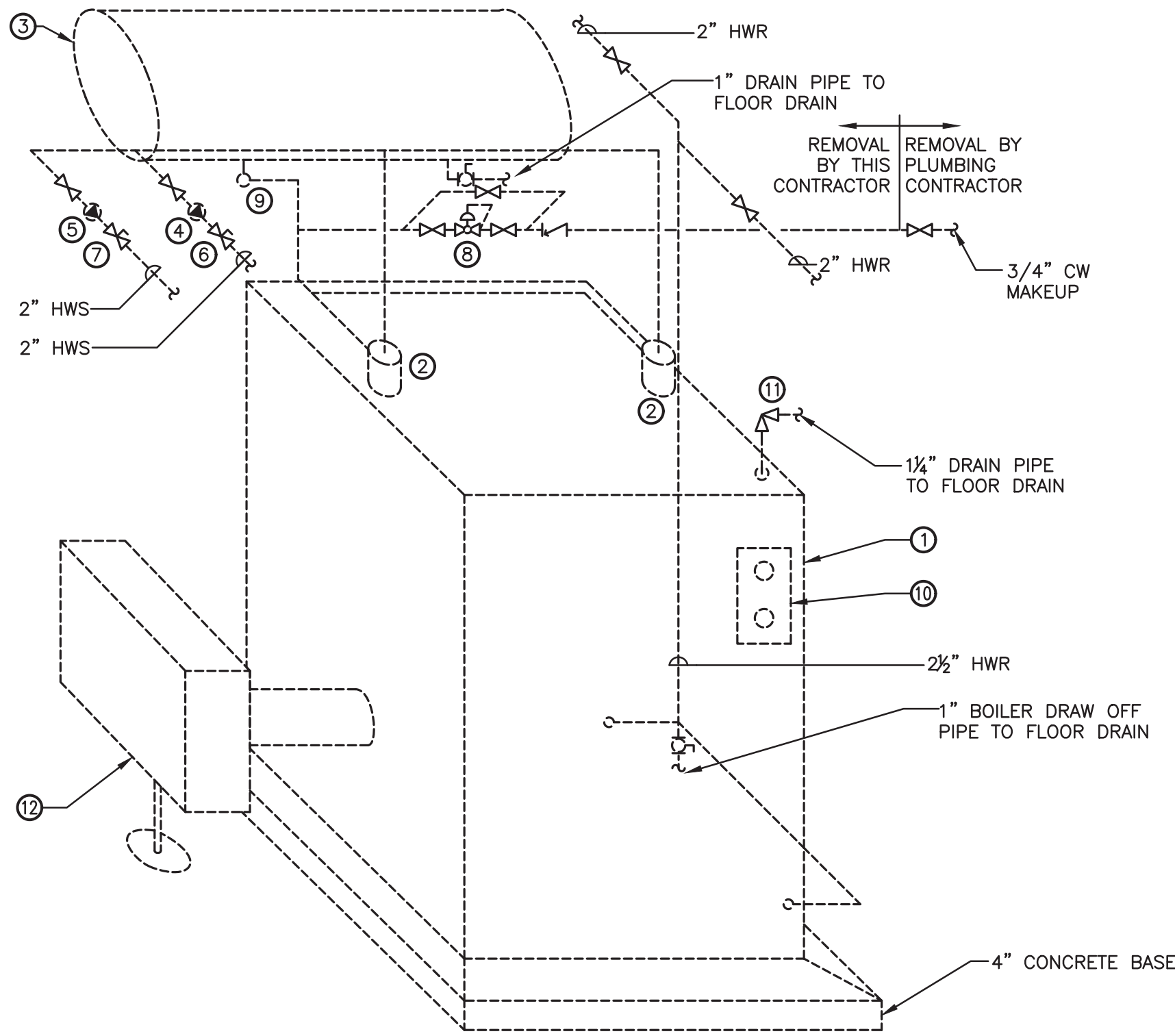
PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED. THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.

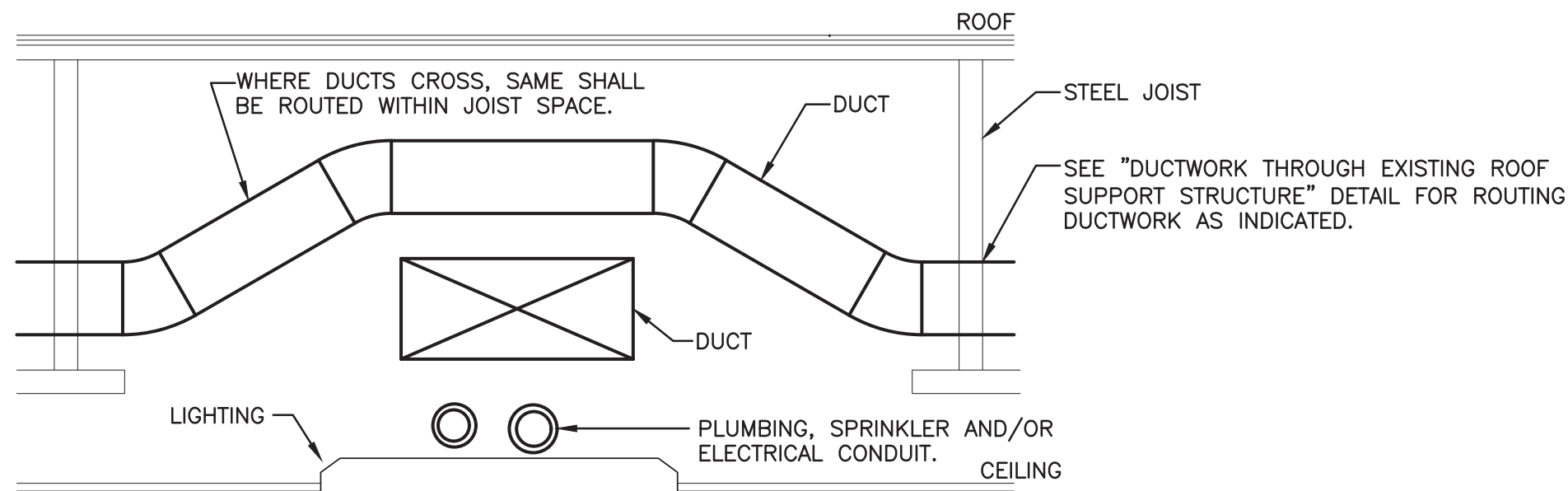
SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073046-1  
ISSUED 1995 EXP. 8/25



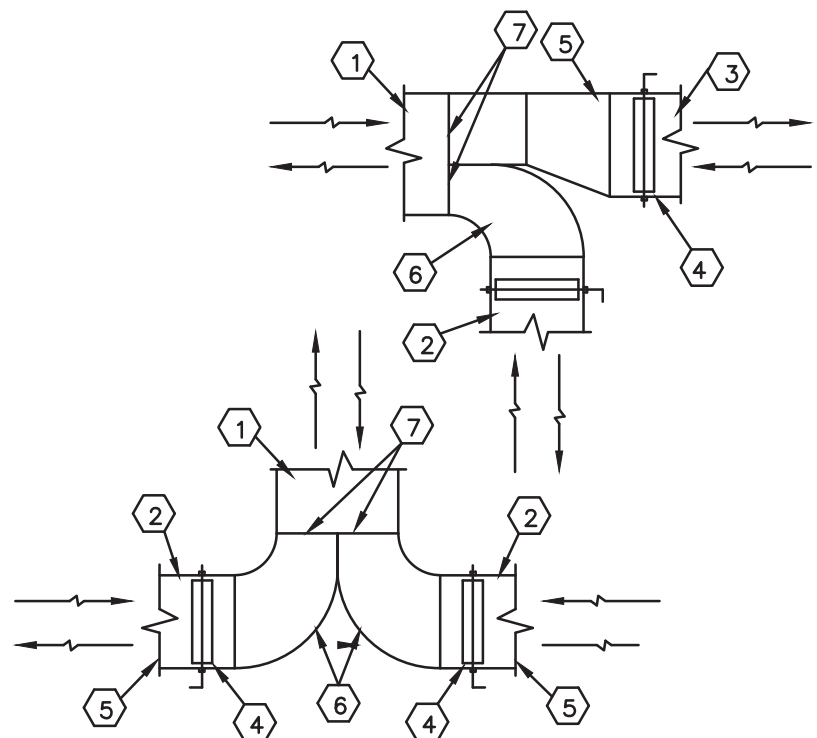
File Name: F:\2023\23-369 Peekskill Firehouse Kitchen IncubatorHVACH7.01 (DETAILS).dwg (Layout: H7.01)  
Date: Tue, Sep 17, 2024 - 10:09 AM (Name: wpb)



1 EXISTING HOT WATER HEATING BOILER PIPING DIAGRAM (TO BE REMOVED)  
N.T.S.



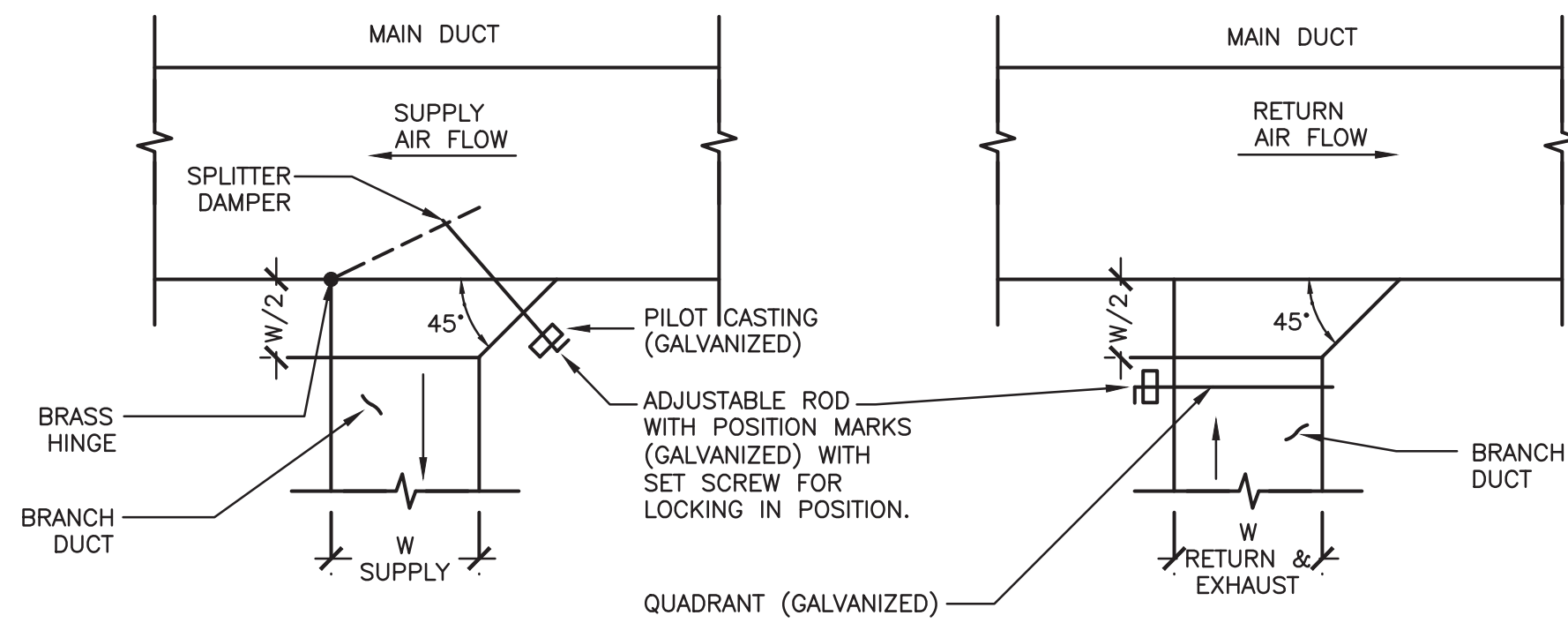
3 PLENUM COORDINATION DETAIL  
N.T.S.



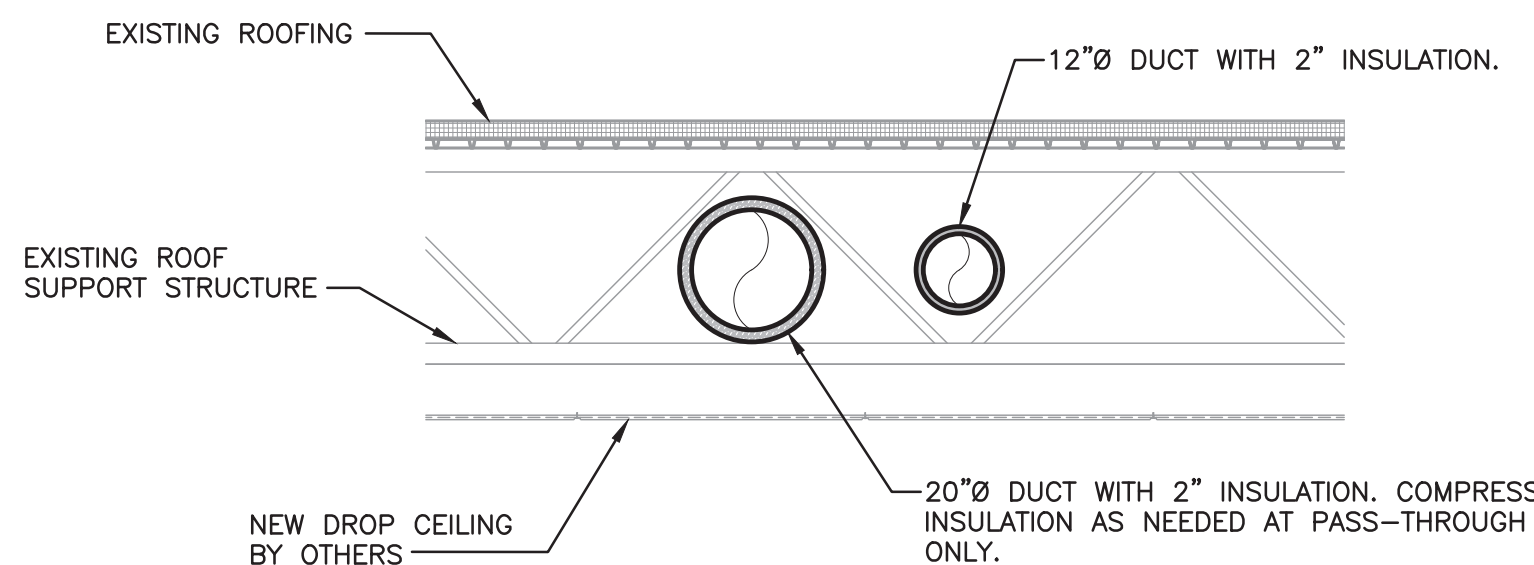
6 SPLIT DUCT DETAILS  
N.T.S.

- 1 MAIN SUPPLY, RETURN OR EXHAUST DUCT (LOW OR MEDIUM PRESS.)  
2 BRANCH DUCT (DIVERGING OR CONVERGING FLOW)  
3 MAIN OR BRANCH DUCT W/ DIVERGING OR CONVERGING FLOW  
4 VOLUME DAMPER AS INDICATED ON PLANS (TYP)  
5 TRANSITION AS REQUIRED  
6 RADIUSSED ELBOW TRANSITION  
7 DIMENSIONS OF SPLIT PER SMACNA DUCT MANUAL OR AS ON PLANS
- NOTE: FABRICATE SPLIT FITTINGS, ELBOWS, TRANSITIONS, ETC. PER LATEST EDITION OF SMACNA DUCT CONSTRUCTION MANUAL, AS INDICATED ON PLANS, OR AS DESCRIBED IN SPECIFICATION.
- PROVIDE DUCT SPLIT ARRANGEMENT AS SHOWN ON PLANS.

- BOILER EQUIPMENT SCHEDULE:**
- 1 COMBINATION LIGHT OIL & NATURAL GAS HYDRONIC HEATING BOILER, 600 MBH GROSS, 521.7 MBH IBR RATING.  
2 2½\"/>



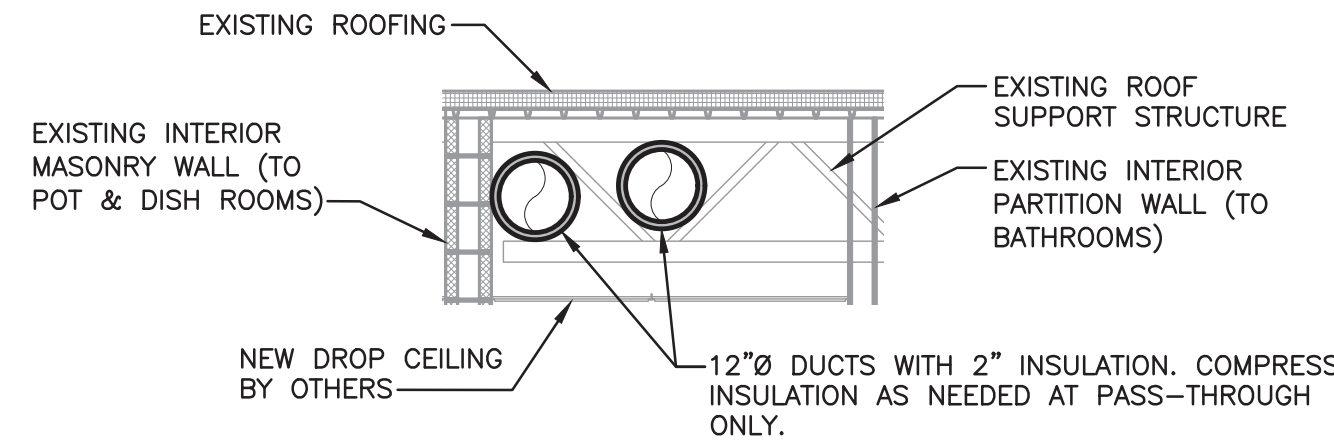
4 TYPICAL LOW PRESSURE BRANCH TAKE-OFF DETAIL  
N.T.S.



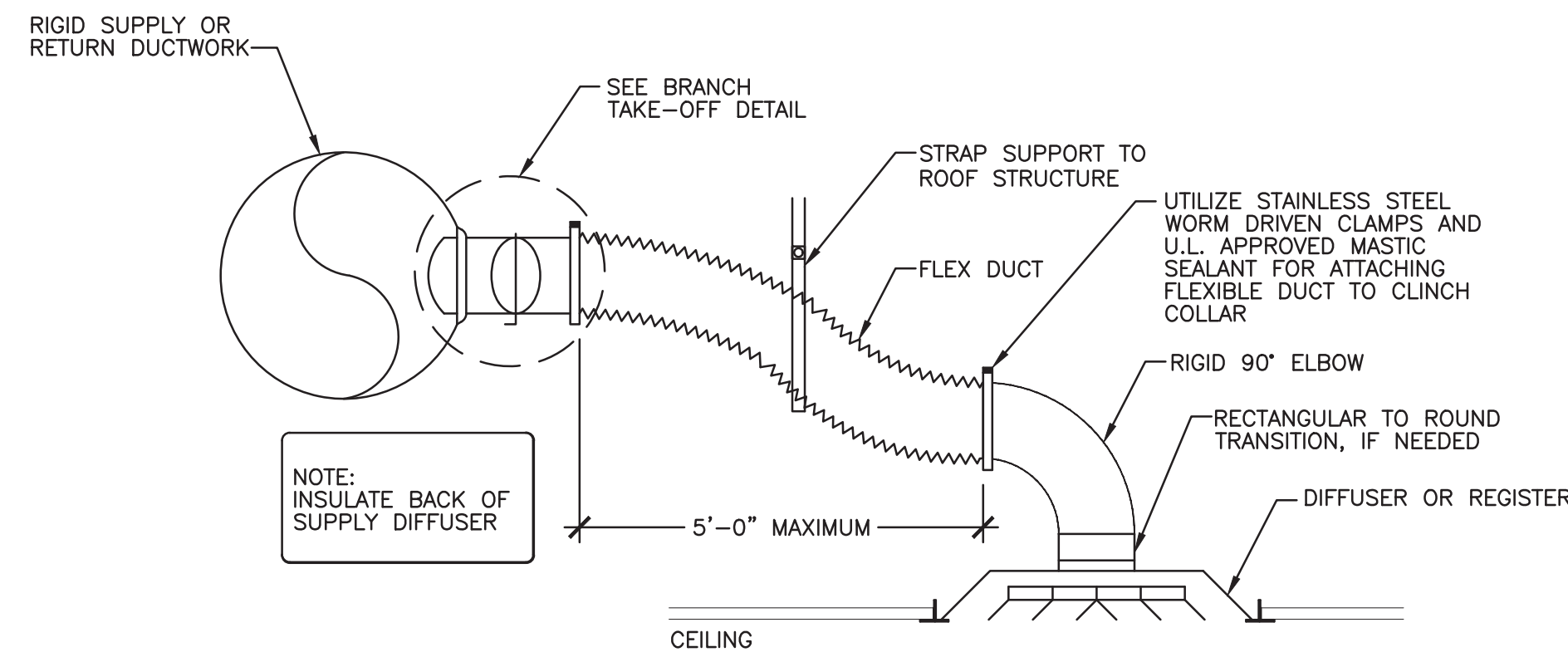
KITCHENS #1-5

- NOTE:  
1. DO NOT INSULATE EXHAUST DUCTWORK.

2 DUCTWORK THROUGH EXISTING ROOF SUPPORT STRUCTURE  
SCALE: 3/8\"/>



MAIN CORRIDOR



5 SUPPLY DIFFUSER/RETURN REGISTER AND FLEX DUCT DETAIL  
N.T.S.

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

**FELLENER III**  
ENGINEERING LLP  
www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: JCL	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------

1\"/>

PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024  
Revisions:

H7.01

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

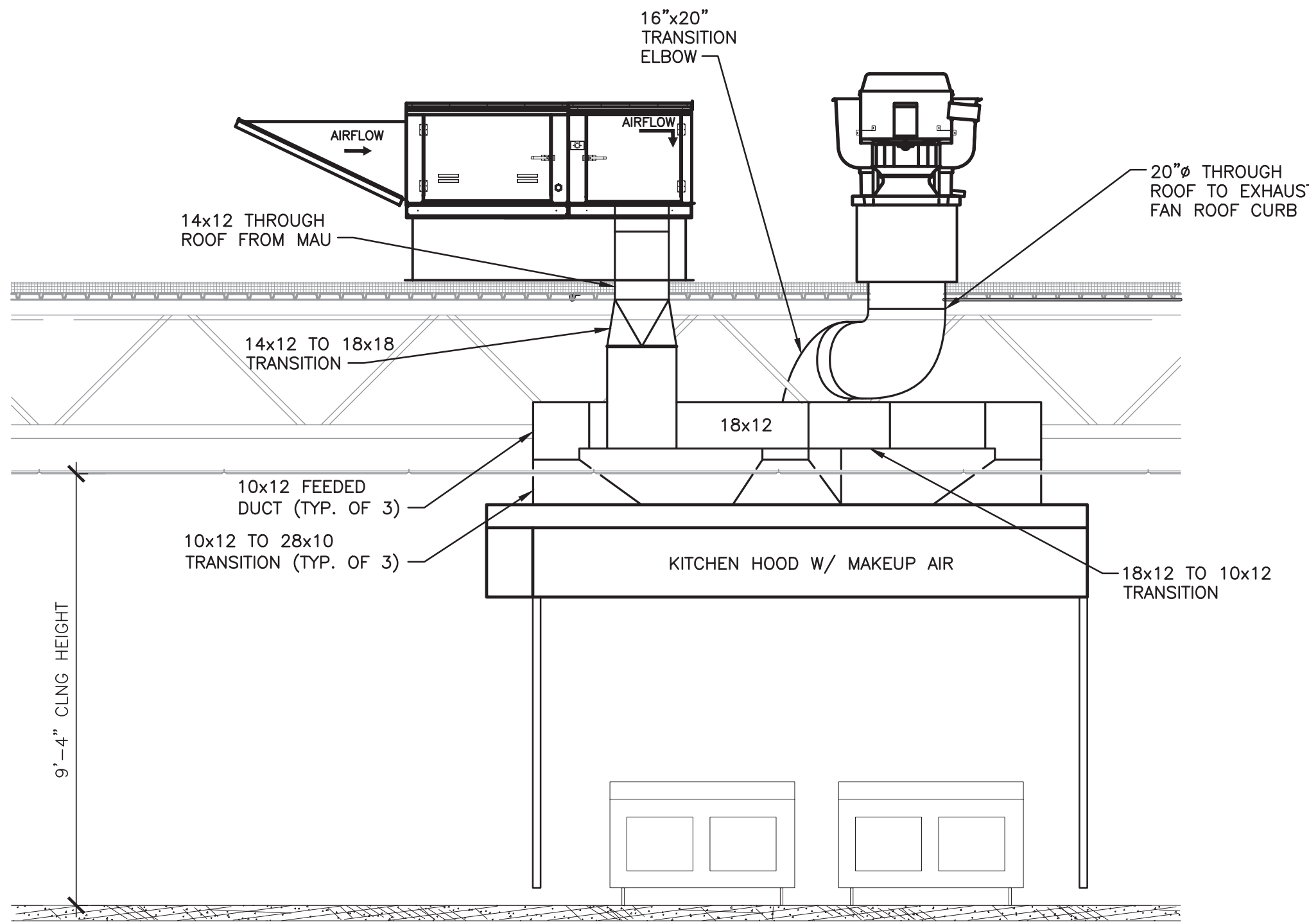
Joseph G. Thompson Architect, PLLC  
109 N Division Street, Ste 100  
Peekskill, New York 10566  
PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.  
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



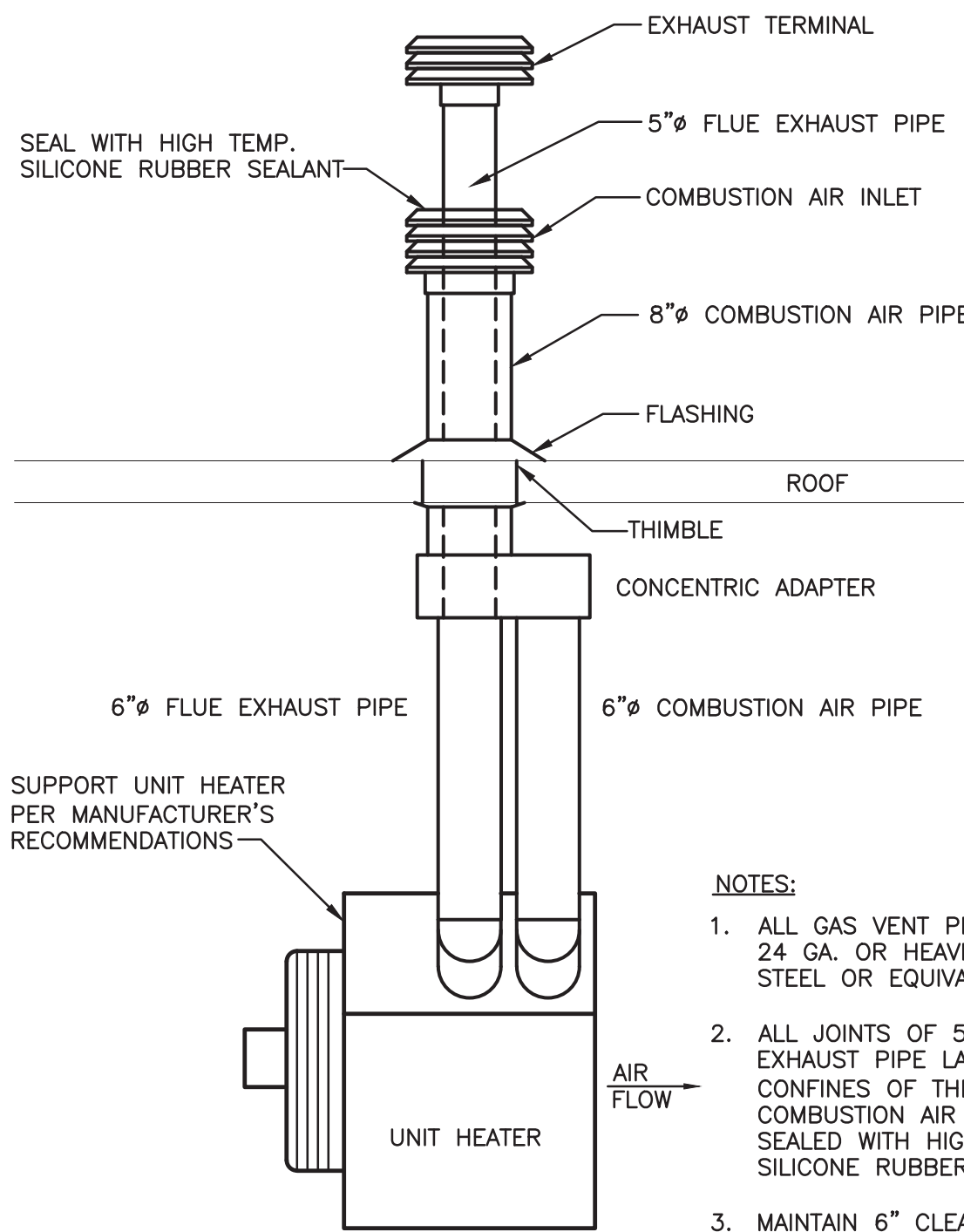
SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25





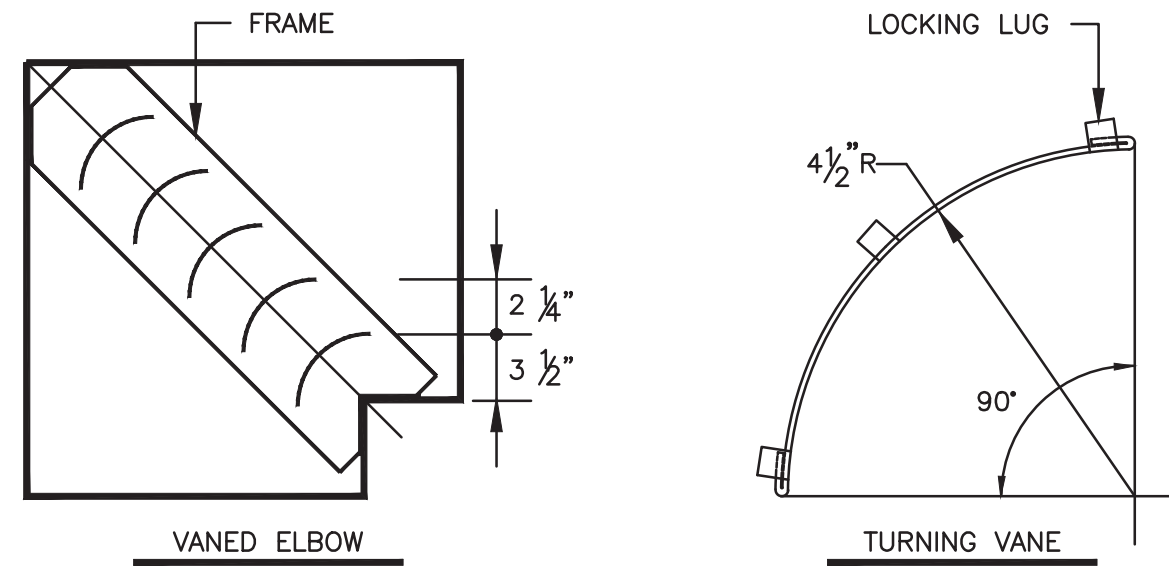
- NOTES:
- KITCHEN 3 ARRANGEMENT SHOWN. KITCHEN 4 ARRANGEMENT IS MIRRORED.

1 KITCHEN HOOD WITH MAKEUP AIR DUCTWORK DETAIL  
SCALE: 3/8"=1'-0"



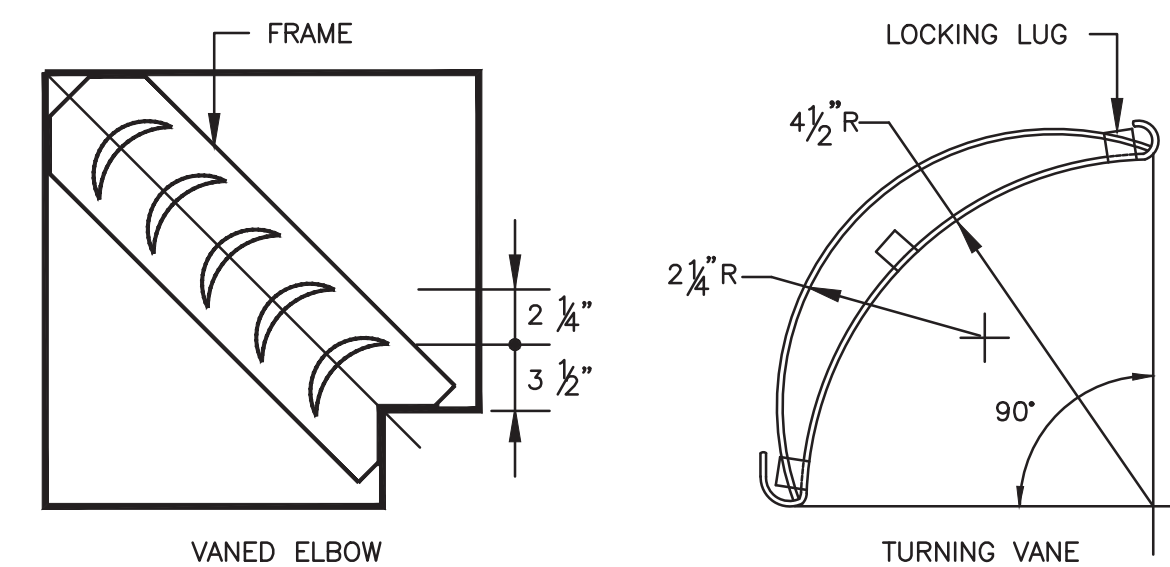
- NOTES:
- ALL GAS VENT PIPING SHALL BE 24 GA. OR HEAVIER GALVANIZED STEEL OR EQUIVALENT.
  - ALL JOINTS OF 5"Ø FLUE EXHAUST PIPE LAYING WITHIN THE CONFINES OF THE 8"Ø COMBUSTION AIR PIPE TO BE SEALED WITH HIGH TEMPERATURE SILICONE RUBBER SEALANT.
  - MAINTAIN 6" CLEARANCE TO COMBUSTIBLE MATERIALS FOR ALL GAS VENT PIPING.

2 UNIT HEATER VENT PIPING DETAIL  
N.T.S.



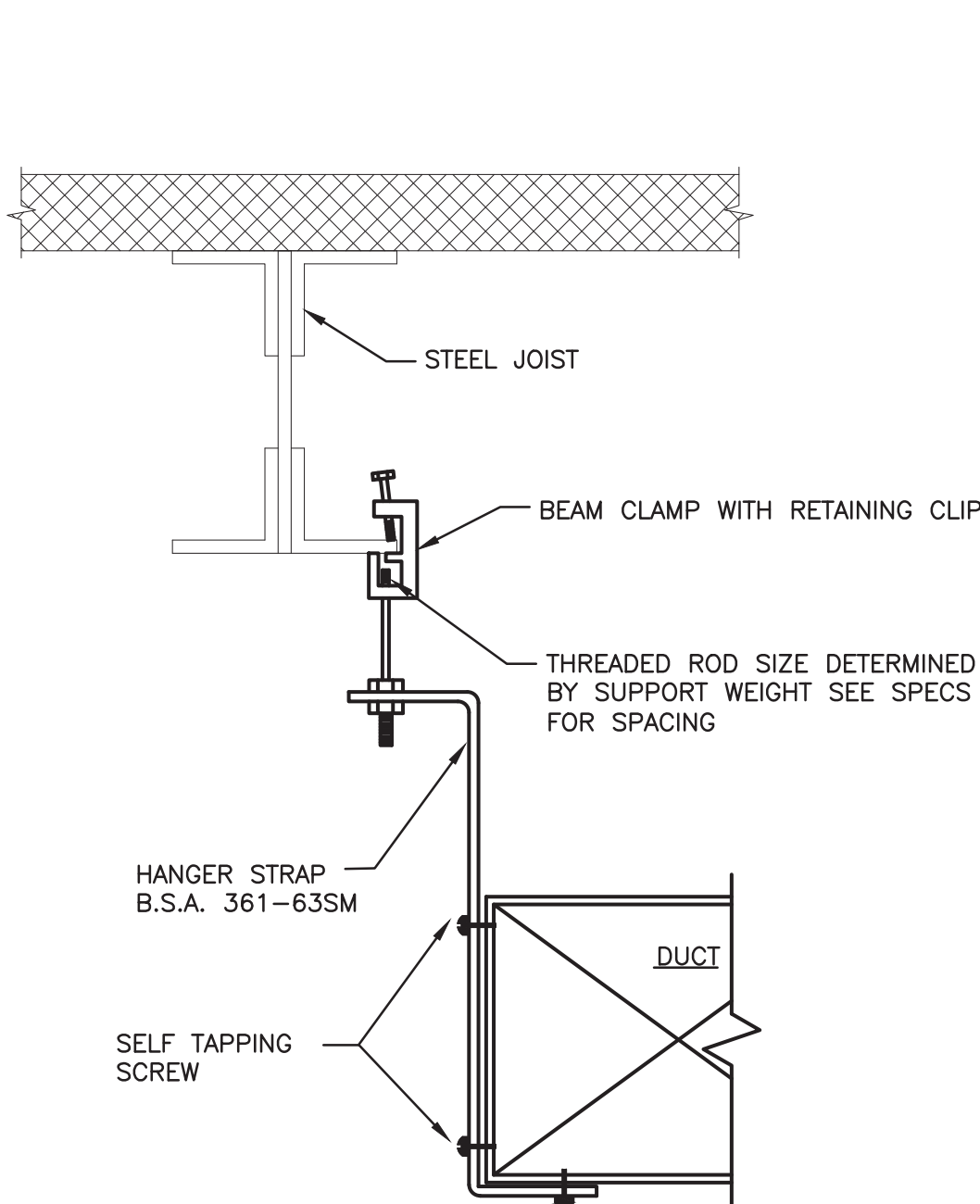
- NOTES:
- LOCKING LUGS INTEGRAL WITH VANE.
  - MAXIMUM UNSUPPORTED VANE LENGTH 36".
  - FRAMES BOLTED OR RIVETED TO ELBOW.
  - VANES AND FRAMES - SAME GAUGE AS ELBOW.

SINGLE THICKNESS TURNING VANES FOR SQUARE ELBOW FOR MAXIMUM DUCT WIDTHS TO 12"



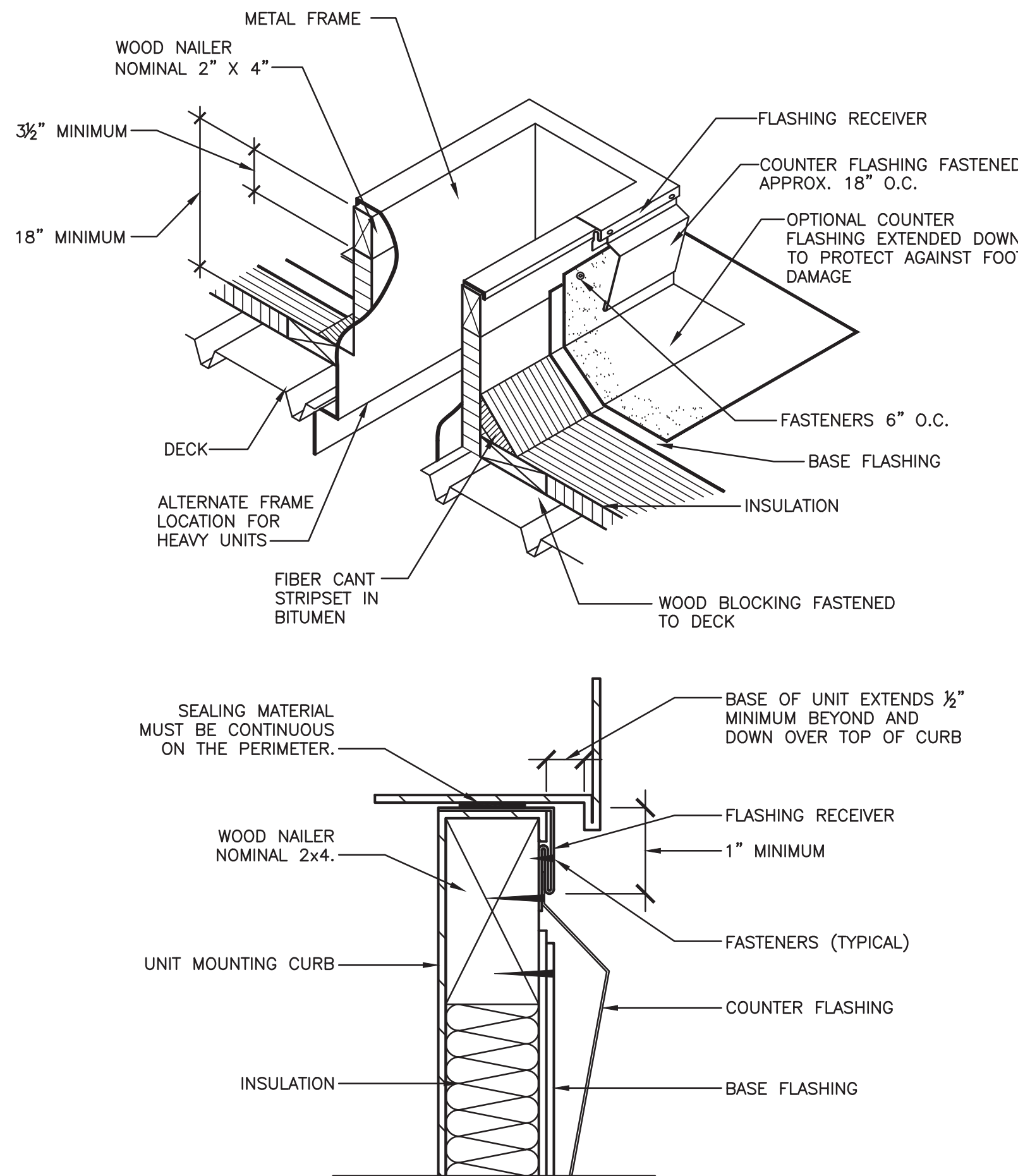
- NOTES:
- LOCKING LUGS INTEGRAL WITH VANE.
  - MAXIMUM UNSUPPORTED VANE LENGTH 48".
  - FRAMES BOLTED OR RIVETED TO ELBOW.
  - VANES AND FRAMES - SAME GAUGE AS ELBOW.

DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOW FOR DUCT WIDTHS 13" & LARGER

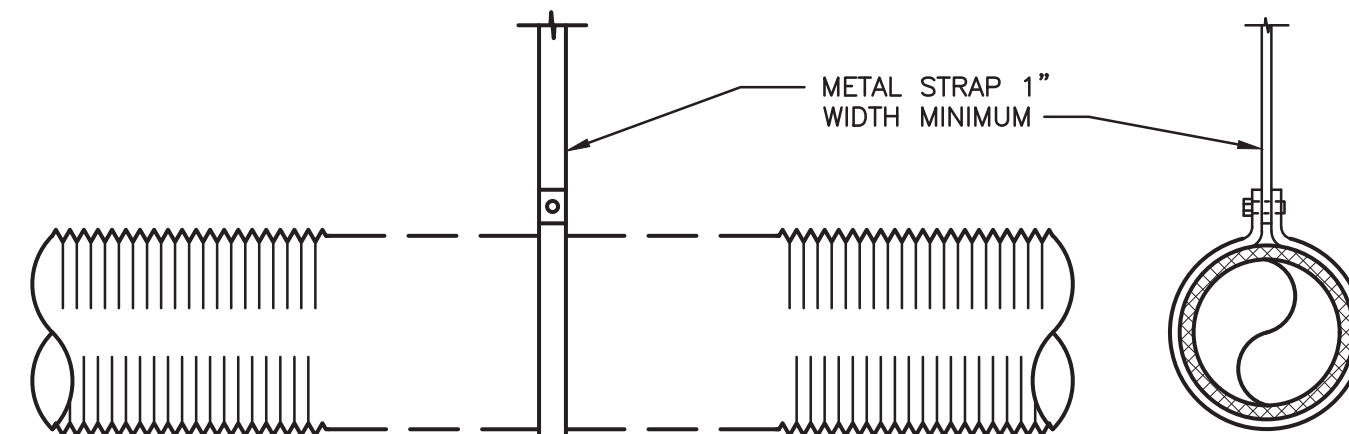


- NOTES:
- DUCTS SHALL NOT BE HUNG FROM OR SUPPORTED BY HUNG CEILING.
  - FOR DUCTS NOT EXCEEDING 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1/16".
  - FOR DUCTS LARGER THAN 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1" BY 1/8".
  - FOR ALL DUCTS, HANGERS SHALL BE TURNED UNDER AND FASTENED TO THE BOTTOM OF DUCT AS SHOWN ABOVE.
  - WHERE CROSS-SECTIONAL AREA OF DUCT EXCEEDS 8 SQ. FT., HANGERS SHALL BE NOT MORE THAN 4 FT. ON CENTER.

4 METHOD OF HANGING DUCTWORK  
N.T.S.

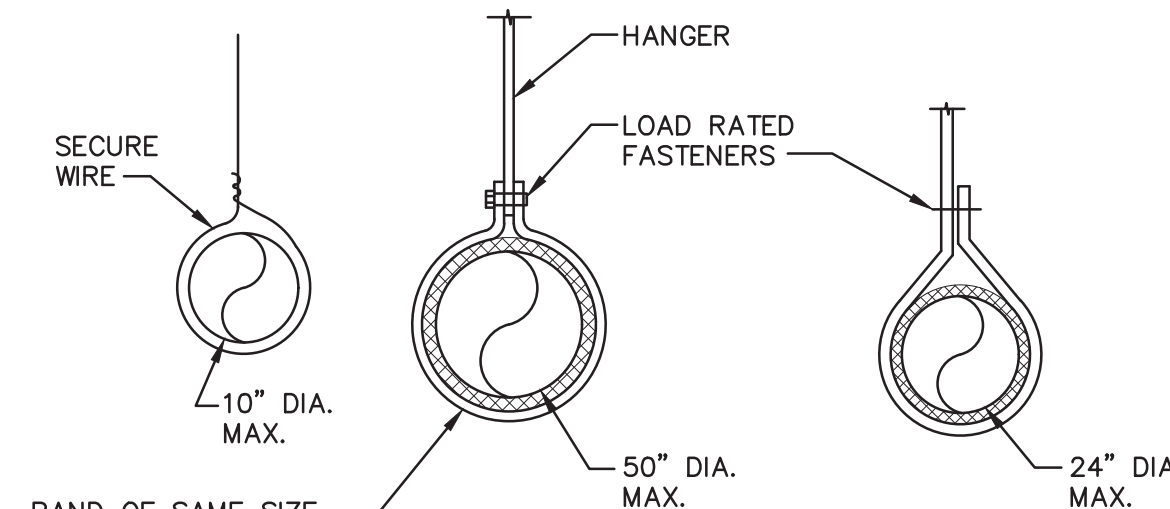


5 ROOFTOP CURB DETAIL  
N.T.S.



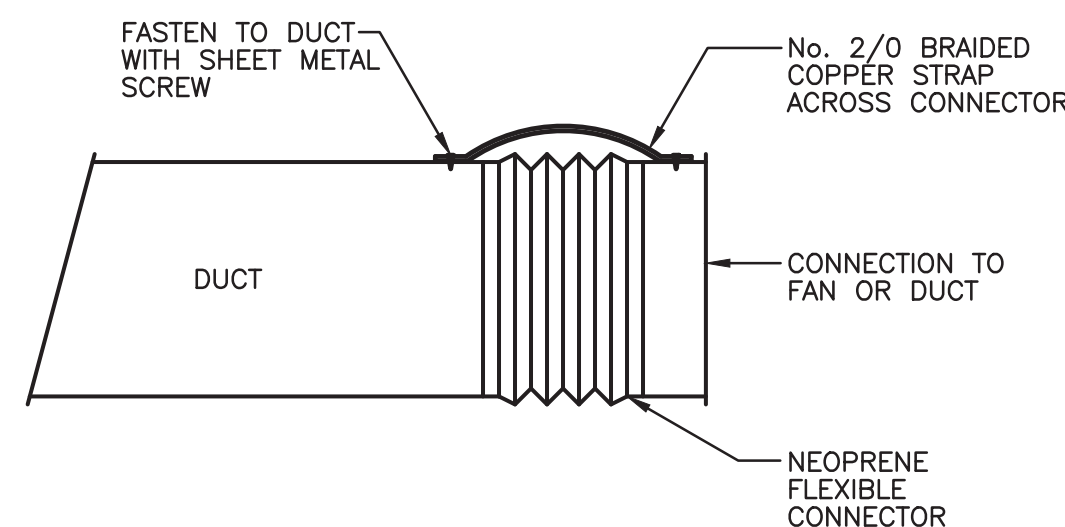
- NOTES:
- DUCT SHOULD EXTEND STRAIGHT FOR A MINIMUM OF 3 DUCT DIAMETERS BEFORE BENDING.
  - SUPPORT SYSTEM MUST NOT BEND DUCT OR CAUSE OUT OF ROUND SHAPE.
  - MAXIMUM SAG 1/2" PER FOOT OR SUPPORT SPACING.
  - 5'-0" MAXIMUM FLEX DUCT LENGTH.

6 FLEX DUCT SUPPORT  
N.T.S.



- NOTE:  
HANGERS MUST NOT DEFORM DUCT SHAPE.

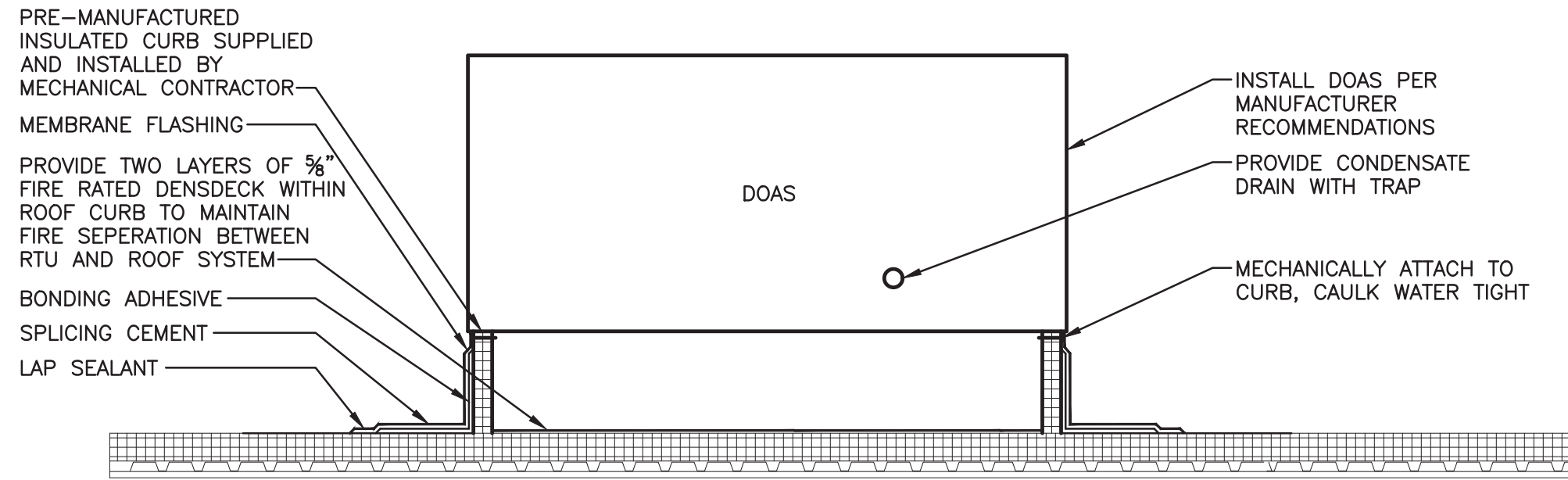
7 ROUND DUCT HANGING DETAIL  
N.T.S.



8 FLEXIBLE CONNECTOR GROUND STRAP  
N.T.S.



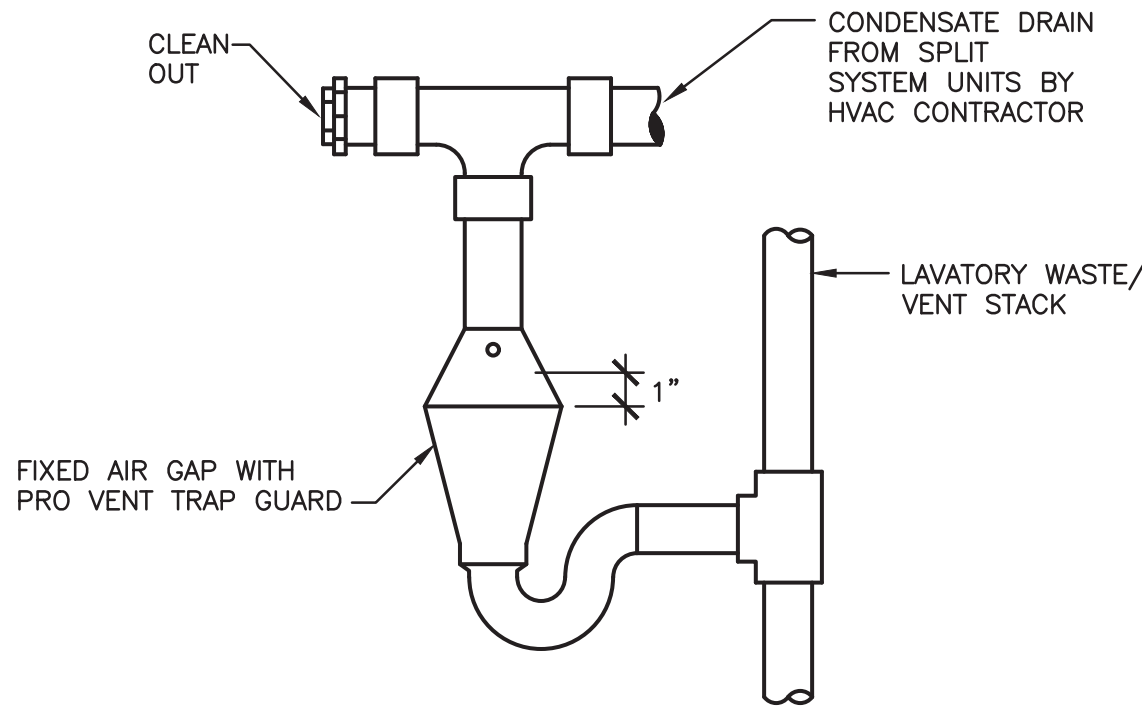
File Name: F:\2023\23-389 Peekskill Firehouse Kitchen IncubatorHVACH7.03 (DETAILS).dwg (Layout: H7.03 )  
Date: Tue, Sep 17, 2024 - 10:09 AM (Name: wpb)



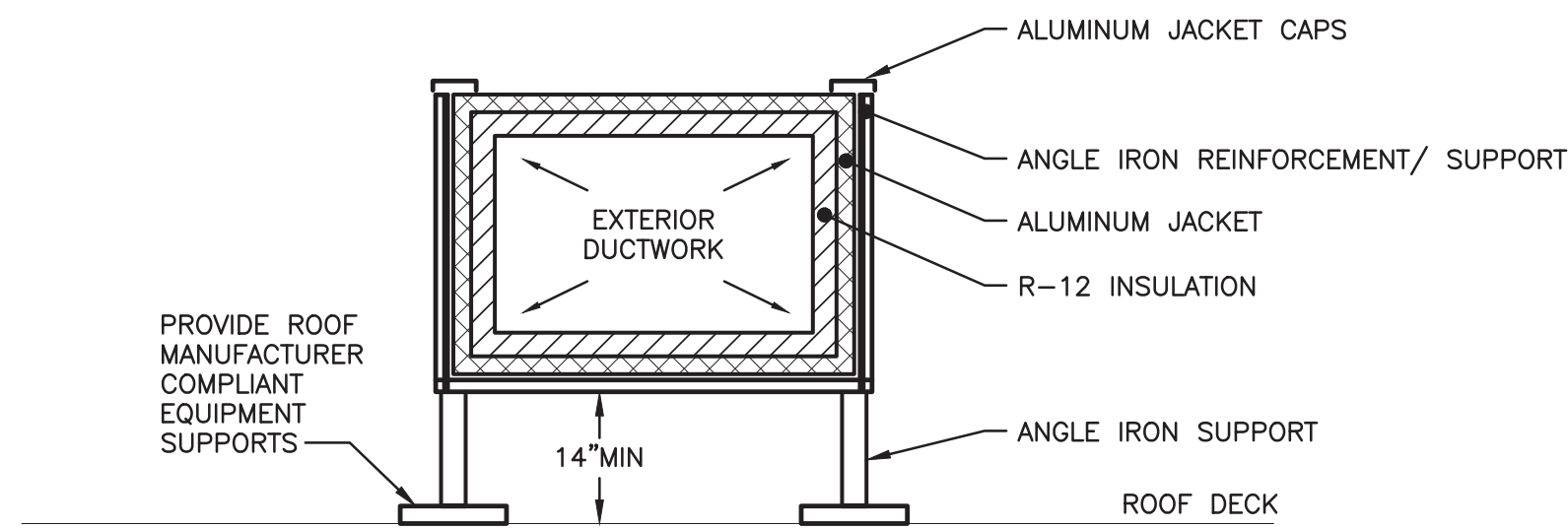
NOTE:

1. PROVIDE DOAS WITH BOTH SUPPLY AND RETURN DUCT SMOKE DETECTORS.

1 GAS FIRED DOAS UNIT DETAIL  
N.T.S.



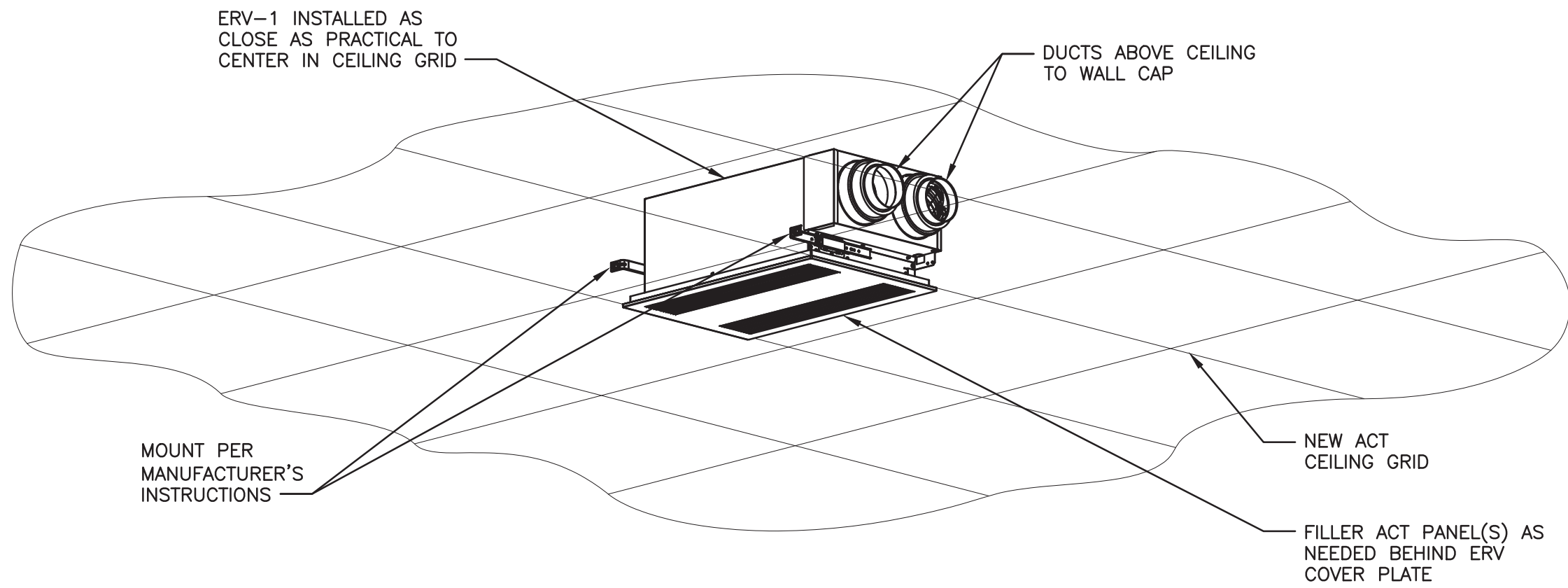
2 SPLIT SYSTEM CONDENSATE DRAIN DETAIL  
N.T.S.



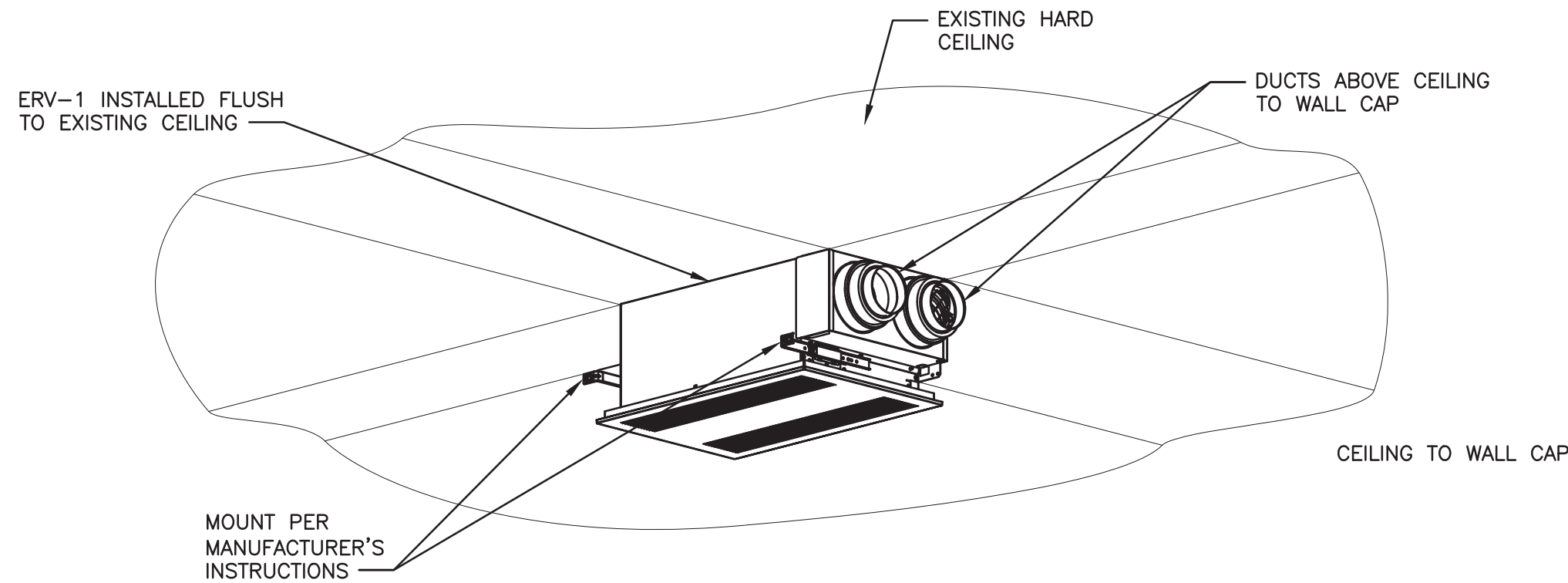
NOTES:

1. SEAL ALL DUCTWALL PENETRATIONS AT POINTS OF SUPPORT ATTACHMENT AND REINFORCEMENT ATTACHMENT.
2. WATERPROOF ALL SEAMS AND JOINTS IN DUCTS.

3 EXTERIOR INSULATED DUCTWORK DETAIL  
N.T.S.



4 ERV-1 INSTALLATION DETAIL (DROP CEILING)  
N.T.S.



5 ERV-1 INSTALLATION DETAIL (HARD CEILING)  
N.T.S.

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENZER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

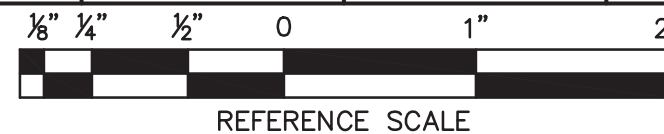
**FELLENZER III**  
ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW	DRAWN BY: JCL	APPROVED BY: EDF	FE PROJECT #: 23-369
--------------------	------------------	---------------------	-------------------------



PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024

Revisions:

H7.03

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
108 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

NOTES:




IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENZER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073044-1  
ISSUED 1995 EXP. 8/25



AIR OUTLET SCHEDULE											"NAILOR" AS STANDARD OR APPROVED EQUAL
SYMBOL	TAG	CFM RANGE	NECK SIZE	FACE SIZE	APPLICATION	MODEL NO.	ACCESSORIES	FRAME TYPE	MAX S.P.	FINISH	REMARKS
	CD-I	0 - 150	6" Ø	24 x 24	SUPPLY AIR CEILING DIFFUSER (4-WAY, 4A)	6400-OA	OBD, SR-O	L	0.080	BW - BRITISH WHITE	SEE NOTES
		151 - 230	8" Ø								
		231 - 375	10" Ø								
		376 - 525	12" Ø								
		526 - 700	14" Ø								
		701 - 950	16" Ø								
		951 - 1200	18" Ø								
		1201 - 1400	20" Ø								
	RR-I	0 - 150	6 x 6	24 x 24	RETURN AIR CEILING REGISTER	5IEC-O	OBD	L	0.080	BW - BRITISH WHITE	SEE NOTES
		151 - 275	8 x 8								
		276 - 450	10 x 10								
		451 - 675	12 x 12								
		676 - 900	14 x 14								
		901 - 1200	16 x 16								
		1201 - 1550	18 x 18								
		1551 - 1900	20 x 20								
	EG-I	0 - 150	6 x 6	24 x 24	EXHAUST AIR CEILING GRILLE	5IEC-O	OBD	L	0.080	BW - BRITISH WHITE	SEE NOTES
		151 - 275	8 x 8								
		276 - 450	10 x 10								
		451 - 675	12 x 12								
		676 - 900	14 x 14								
		901 - 1200	16 x 16								
		1201 - 1550	18 x 18								
		1551 - 1900	20 x 20								

- NOTES:**
- ALL AIR OUTLETS SHALL BE HEAVY DUTY CONSTRUCTION.
  - REGISTERS & CEILING DIFFUSERS SIZES THAT ARE NOT INDICATED ON THIS SCHEDULE ARE SHOWN ON THE FLOOR PLANS.
  - ALL CEILING DIFFUSERS ARE 4 WAY DIRECTIONAL THROW UNLESS OTHERWISE INDICATED.
  - ALL DIFFUSERS, REGISTERS, AND GRILLES TO BE SUPPORTED FROM STRUCTURE ABOVE AS PER MANUFACTURER'S RECOMMENDATIONS AND SMACNA STANDARDS.
  - ALL DIFFUSERS, REGISTERS, AND GRILLES INSTALLED IN ACOUSTICAL CEILINGS SHALL BE PROPERLY SIZED FOR NARROW LINE CEILING GRID, COORDINATED WITH CEILING GRID MATERIAL.
  - ALL BACK PANS & PLENUMS SHALL HAVE FLAT BLACK MATTE FINISH.
  - ALL 2'x4' CEILING GRIDS CONTAINING A 2'x2' DIFFUSER, REGISTER, OR GRILLE SHALL BE PROVIDED WITH AN ADDITIONAL TEE SUPPORT BETWEEN THE CEILING AND THE AIR OUTLET.

ENERGY RECOVERY VENTILATORS SCHEDULE										"PANASONIC" AS STANDARD OR APPROVED EQUAL				
TAG	LOCATION	MODEL NO.	WEIGHT (LBS)	AIRFLOW DATA			ENTHALPY EFFECTIVENESS		ELECTRICAL DATA				REMARKS	
				SUPPLY CFM	EXHAUST CFM	STATIC PRESSURE (IN. W.C.)	HEATING (AT 60 CFM, 32°F OAT)	COOLING (AT 56 CFM, 95°F OAT)	VOLTS	Ø	HZ	MCA		MOCp
ERV-1	SMALL ROOMS & CORRIDOR	FV-06VEI	21.2	<60	<60	0.1	63%	50%	120	1	60	3	15	SEE NOTES
ERV-2	CONFERENCE ROOM	FV-10VEC2H	50	100	100	0.1	77%	55%	120	1	60	3	15	SEE NOTES

- NOTES:**
- PROVIDE WITH EXTERIOR WALL CAPS.
  - UNIT SHALL OPERATE BASED ON OCCUPANCY SIGNAL FROM ROOM OCCUPANCY SENSOR(S). COORDINATE WITH ELECTRICAL CONTRACTOR. THIS CONTRACTOR TO PROVIDE TRANSFORMERS, RELAYS, ETC. AS NEEDED FOR THIS OPERATION METHOD.

ELECTRIC UNIT HEATER SCHEDULE										"MODINE" AS STANDARD OR APPROVED EQUAL		
TAG	LOCATION	CFM	MODEL NO.	HEATING OUTPUT (KW)	HEATING AIR DATA		ELETRICAL DATA				WEIGHT (LBS)	REMARKS
					EAT (°F)	LAT (°F)	VOLTS/Ø/HZ	MCA	MOCP	MOTOR HP		
EUH-1	DRY STORAGE	800	VE-50	7.5	9.2	40.2	208/3/60	26.3	30	1/15	64	SEE NOTES
EUH-2	STORAGE	940	VE-100	10.0	9.2	45.2	208/3/60	31.0	40	1/15	70	SEE NOTES

- NOTES:**
- PROVIDE UNIT WITH DISCONNECT.
  - PROVIDE UNIT WITH HANGING BRACKETS.
  - PROVIDE UNIT WITH WALL MOUNTED THERMOSTAT.

EXHAUST FAN SCHEDULE										MANUFAC' STANDARD OR
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL NO.	CFM	ESP (IN. W.C.)	ELECTRICAL			
							V/Ø/HZ	MCA	MOCP	
EF-1	MEN'S RESTROOM	CEILING MOUNTED	PANASONIC	FV-1115VQI	150	0.25	120/1/60	0.31	15	
EF-2	WOMEN'S RESTROOM	CEILING MOUNTED	PANASONIC	FV-0511VQI	80	0.25	120/1/60	0.27	15	
EF-3	SINGLE RESTROOM	CEILING MOUNTED	PANASONIC	FV-0511VQI	110	0.25	120/1/60	0.27	15	
EF-4	STORAGE ROOM	ROOF MOUNTED	GREENHECK	G-080-VG	200	0.5	120/1/60	1.90	15	
EF-5	GARAGE	ROOF MOUNTED	GREENHECK	G-095-VG	500	0.5	120/1/60	3.50	15	

- NOTES:**
- PROVIDE RELAY TO OPERATE FAN BASED ON OCCUPANCY SENSOR SIGNAL IN ROOM.

PACKAGED TERMINAL AIR CONDITIONING UNIT SCHEDULE															"GE APPLIANCES" AS STANDARD OR APPROVED EQUAL		
TAG	LOCATION	MODEL NO.	CFM		COOLING DATA		HEATING DATA		REFRIGERANT	EER	COP	ELECTRICAL DATA			SIZE (W x H x D)	WEIGHT (LBS)	REMARKS
			OUTDOOR AIR RANGE	TOTAL AIR RANGE	SENSIBLE HEAT RATIO (%)	TOTAL CAPACITY (MBH)	HEAT PUMP (MBH)	BACKUP HEAT (KW)				VOLTS/Ø/HZ	MCA	MOCP			
PTAC-I	BREAK ROOM	AZ65HI2DBM	25 - 50	300 - 410	73	11.4	10.0	3.9	R-410A	11.2	3.5	208/1/60	21.2	30	42" x 16" x 20-13/16"	133	SEE NOTES

- NOTES:**
- PROVIDE WITH UNIT-MOUNTED THERMOSTAT.
  - PROVIDE UNIT WITH CONDENSATE DRAIN. PIPE TO OUTSIDE BUILDING AND PATCH, SEAL, AND REPAIR WALL PENETRATION TO BE WATER-TIGHT & MATCH EXISTING FINISH.

GAS FIRED UNIT HEATER SCHEDULE																	"MODINE" AS STANDARD OR APPROVED EQUAL		
TAG	LOCATION	CFM	MODEL NO.	FUEL			GAS CONNECTION (IN)	OA/VENT DIAMETER (IN)	EFFICIENCY	HEATING (MBH)		HEATING AIR DATA		ELETRICAL DATA				WEIGHT (LBS)	REMARKS
				TYPE	CFH	INLET PRESSURE (IN. W.C.)				INPUT	OUTPUT	EAT (°F)	LAT (°F)	VOLTS/Ø/HZ	FLA	MOCp	MOTOR HP		
UH-I	GARAGE	990	HDS-60	NAT. GAS	57.9	6 - 14	1/2	4	82%	60.0	49.2	9.2	54.2	120/1/60	2.4	15	1/12	80	SEE NOTES

- NOTES:**
- PROVIDE UNIT WITH DISCONNECT.
  - PROVIDE UNIT WITH HANGING BRACKETS.
  - PROVIDE UNIT WITH WALL MOUNTED THERMOSTAT.
  - PROVIDE UNIT WITH VERTICAL VENT CONCENTRIC ADAPTER BOX.

SPLIT-SYSTEM HEAT PUMP UNIT SCHEDULE (OUTDOOR UNITS)													"MITSUBISHI" AS STANDARD OR APPROVED EQUAL	
UNIT TAG*	MODEL NO.	IEER/SEER	EER	COP AT 47°F	COOLING & HEATING DATA				REFRIGERANT TYPE	UNIT WEIGHT (LBS)	ELECTRICAL DATA			REMARKS
					COOLING AT 95°F (MBH)	HEATING AT 5°F (MBH)	COOLING MODE OPERATING RANGE (°F)	HEATING MODE OPERATING RANGE (°F)			VOLTS/Ø/HZ	MCA	MOCP	
HP-1	PUZ-HA24NHAI	19.5	12.6	3.96	24.0	26.0	23 - 115	-13 - 70	R410A	190	208/1/60	17	30	2, 3
HP-2	MXZ-SM36NAMHZ	23.0	15.0	4.00	36.0	42.0	23 - 115	-13 - 59	R410A	278	208/1/60	42	50	1, 2, 3

- \* LETTERED SUFFIX ON DRAWINGS INDICATES OUTDOOR UNIT HAS INDOOR UNITS WITH THE SAME SUFFIX GROUPED TOGETHER ON IT.

- NOTES:**
- PROVIDE UNIT WITH A MULTI-PORT MAIN BRANCH BOX. BRANCH BOX TO BE POWERED FROM OUTDOOR UNIT. SEE SPLIT-SYSTEM HEAT PUMP CONNECTIONS SCHEDULE FOR MODEL NUMBER.
  - PROVIDE UNIT WITH PANEL HEATERS AND SNOW/HAIL GUARDS OR WIND BAFFLES AS APPROPRIATE.
  - PROVIDE UNIT WITH A NEMA-3R DISCONNECT SWITCH AND 24" STAND.

SPLIT-SYSTEM HEAT PUMP UNIT SCHEDULE (INDOOR UNITS)											"MITSUBISHI" AS STANDARD OR APPROVED EQUAL
UNIT TAG*	UNIT TYPE	SERVICE	MODEL NO.	COOLING & HEATING DATA		MAXIMUM CFM	REFRIGERANT TYPE	UNIT WEIGHT (LBS)	ELECTRICAL DATA		REMARKS
				COOLING AT 95°F (MBH)	HEATING AT 47°F (MBH)				VOLTS/Ø/HZ	MCA	
CCU-1	CEILING CASSETTE	CONFERENCE ROOM	SLZ-KF12NAI	12.0	13.0	335	R410A	31	208/1/60	1	SEE NOTES
WCU-1	WALL CASSETTE	OFFICES & VESTIBULE	MSZ-GS06NA-UI	6.0	7.2	390	R410A	23	208/1/60	1	SEE NOTES
WCU-2	WALL CASSETTE	CLASSROOM	PKA-A18LA	24.0	26.0	775	R410A	46	208/1/60	1	SEE NOTES

- \* LETTERED SUFFIX ON DRAWINGS INDICATES UNITS ARE GROUPED TOGETHER ON OUTDOOR UNIT WITH SAME SUFFIX.

- NOTES:**
- INDOOR UNIT IS POWERED OFF OF OUTDOOR UNIT. ELECTRICAL DATA SHOWN IS FOR CONNECTION BETWEEN OUTDOOR AND INDOOR UNIT. SEE SPLIT-SYSTEM HEAT PUMP SCHEDULE (OUTDOOR UNITS) FOR OUTDOOR UNIT ELECTRICAL DATA.
  - PROVIDE INDOOR UNIT WITH A WALL MOUNTED PROGRAMMABLE THERMOSTAT.
  - PROVIDE INDOOR UNIT WITH A FILTER BOX AND MERV 13 FILTER.
  - PROVIDE INDOOR UNIT WITH A CONDENSATE PUMP WITH RESERVOIR AND SENSOR. PIPE CONDENSATE TO NEAREST VENT STACK OR UTILITY SINK. PROVIDE WITH FUNNEL DRAIN

SPLIT SYSTEM HEAT PUMP CONENCTIONS SCHEDULE									"MITSUBISHI" AS STANDARD OR APPROVED EQUAL	
OUTDOOR UNIT*	NUMBER OF INDOOR UNITS	BRANCH BOX NEEDED?	BRANCH BOX DATA					REMARKS		
			MODEL NO.	LOCATION	MAX CONNECTIONS	# PLUGGED CONNECTIONS	WEIGHT		ELECTRICAL DATA VOLTS/Ø/HZ MCA	
HP-1A	1	NO, DIRECT CONNECTION	-	-	-	-	-	-	3	
HP-2B	4	YES	PAC-MKA52BC	INDOORS	5	1	23.4	208/1/60	1, 2	
HP-1C	1	NO, DIRECT CONNECTION	-	-	-	-	-	-	3	

- \* LETTERED SUFFIX ON DRAWINGS INDICATES UNITS ARE CONNECTED TOGETHER WITH OTHER UNITS SHARING THE SAME SUFFIX.

- NOTES:**
- BRANCH BOX IS POWERED OFF OF OUTDOOR UNIT. ELECTRICAL DATA SHOWN IS FOR CONNECTION BETWEEN OUTDOOR AND BRANCH BOX.
  - PROVIDE WITH BRANCH BOX ENCLOSURE. MOUNT BRANCH BOX INDOORS PER MANUFACTURER'S RECOMMENDATIONS.
  - CONNECT INDOOR UNIT DIRECTLY TO OUTDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS.

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795

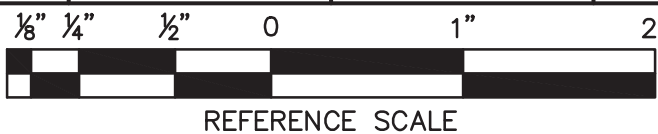
**FELLENER III**  
ENGINEERING LLP

www.fellp.com

22 Mulberry St., Suite 2A,  
Middletown, NY 10940  
t 845-343-1481 fx 845-343-4986

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704 fx 855-320-8735

DESIGNED BY: RW    DRAWN BY: JCL    APPROVED BY: EDF    FE PROJECT #: 23-369



PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)  
701 Washington Street  
Peekskill, New York 10566  
S-B-L: 32-20-9-1  
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024  
Revisions:

H8.01

**JTA**  
JOSEPH THOMPSON  
ARCHITECT

Joseph G. Thompson Architect, PLLC  
108 N Division Street, Ste 100  
Peekskill, New York 10566

PH: (845) 532-8156  
EM: joe@jthompsonarch.com

**NOTES:**  
IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.  
© JOSEPH G THOMPSON ARCHITECT, PLLC. ALL RIGHTS RESERVED.



SEAL  
ERIC D. FELLENER, P.E.  
NY PROFESSIONAL ENGINEER  
NO. 073084-1  
ISSUED 1995 EXP. 8/25