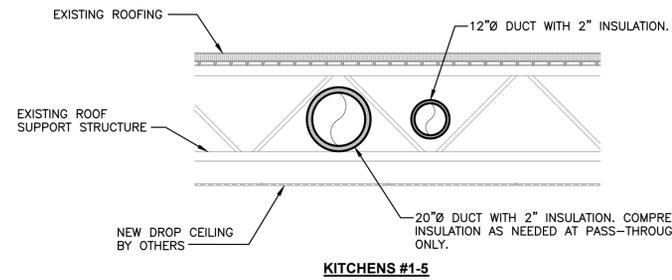
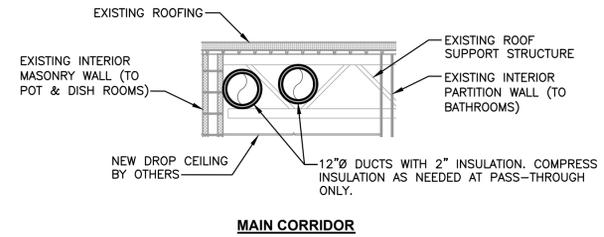


1 EXISTING HOT WATER HEATING BOILER PIPING DIAGRAM (TO BE REMOVED)
N.T.S.

- BOILER EQUIPMENT SCHEDULE:**
- ① COMBINATION LIGHT OIL & NATURAL GAS HYDRONIC HEATING BOILER, 600 MBH GROSS, 521.7 MBH IBR RATING.
 - ② 2 1/2" AIRTROL FITTING.
 - ③ 40 GALLON ASME COMPRESSION TANK WITH GLASS GAUGE.
 - ④ 1 1/2" INLINE PUMP, 30 GPM @ 12' HEAD.
 - ⑤ 1 1/2" INLINE PUMP, 27 GPM @ 18' HEAD.
 - ⑥ & ⑦ 175 PSIG WORKING PRESSURE, 300°F RATED TRIPLE DUTY VALVE.
 - ⑧ 3/4" BRASS PRESSURE REDUCING VALVE SET AT 12 PSIG.
 - ⑨ TANK AIRTROL FITTINGS.
 - ⑩ DOMESTIC WATER HEATER, 18.6 GPM BOILER WATER AT 200°F, 100°F PER MINUTE TEMPERATURE RISE.
 - ⑪ RELIEF VALVE.
 - ⑫ COMBINATION LIGHT OIL & NATURAL GAS FORCED DRAFT BURNER, 8 GPH #2 OIL BURNING AT 5.65 GPH, 120 MBH NATURAL GAS CAPACITY.



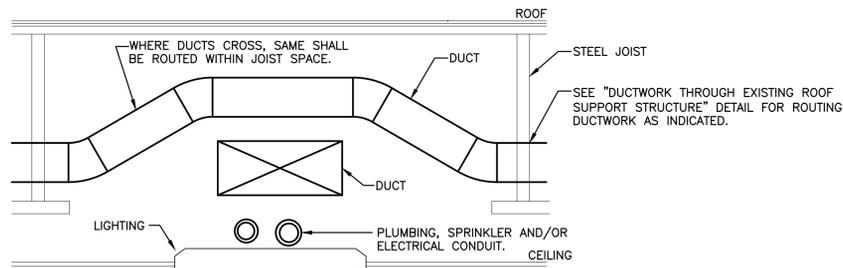
KITCHENS #1-5



MAIN CORRIDOR

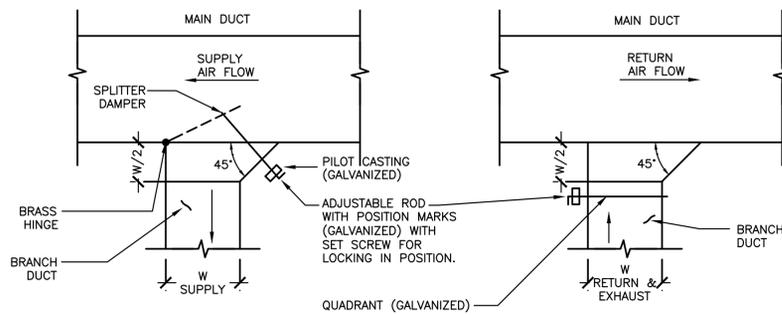
NOTE:
1. DO NOT INSULATE EXHAUST DUCTWORK.

2 DUCTWORK THROUGH EXISTING ROOF SUPPORT STRUCTURE
SCALE: 3/8"=1'-0"

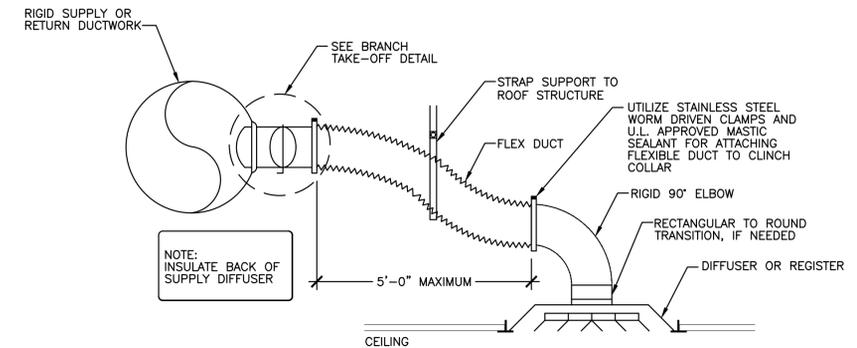


- NOTE:**
- THIS DETAIL IS SHOWN FOR COORDINATION PURPOSES. SHOP DRAWINGS SHALL REFLECT THIS COORDINATION EFFORT WHERE LIGHTING, DUCT AND/OR PIPING CROSS. CONTRACTORS SHALL REFER TO OTHER TRADE DRAWINGS FOR COORDINATION PURPOSES. WHERE DUCT, PIPE OR CONDUIT DO NOT CROSS, SAME SHALL BE INSTALLED AS TIGHT AS PRACTICAL.
 - THE FOLLOWING PRIORITIES SHALL BE MAINTAINED IF A ROUTING CONFLICT ARISES: LIGHTING, DUCT WORK, PIPING (INCLUDING WATER, ELECTRICAL AND SPRINKLER). THIS, HOWEVER, DOES NOT ALLEVIATE THE CONTRACTOR FROM PROPER COORDINATION WITH OTHER TRADES.
 - WHERE THE ABOVE CONFLICTS WITH CODE, CODE REQUIREMENTS SHALL PREVAIL.
 - ROUTE DUCT UNDER EXISTING MEMBERS OR THROUGH TRUSSES. MECHANICAL STRUCTURAL CONTRACTOR SHALL NOT PIERCE, CUT OR ALTER EXISTING STRUCTURAL MEMBERS.

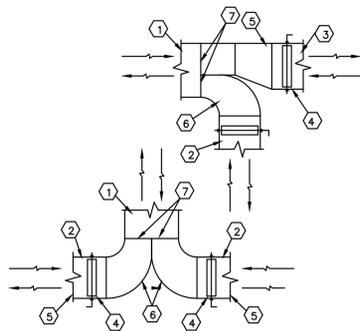
3 PLENUM COORDINATION DETAIL
N.T.S.



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



5 SUPPLY DIFFUSER/RETURN REGISTER AND FLEX DUCT DETAIL
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.

6 SPLIT DUCT DETAILS
N.T.S.

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.
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SEAL
ERIC D. FELLENZER, P.E.
NY PROFESSIONAL ENGINEER
NO. 073064-1
ISSUED 1999 EXP. 2025

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

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

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DESIGNED BY: RW	DRAWN BY: JCL	APPROVED BY: EDF	FE PROJECT #: 23-369
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1" = 2"
REFERENCE SCALE

Date: September 17, 2024

Revisions:

H7.01