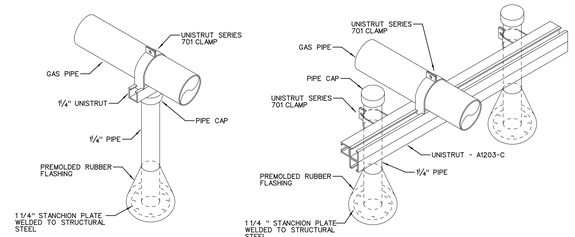
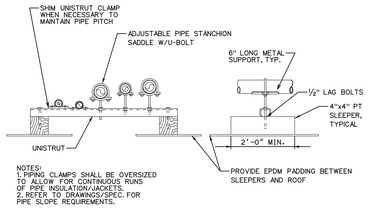


12 P4 GAS PIPING ANCHOR DETAIL
SCALE: NOT TO SCALE



13 P4 ROOFTOP PIPING SUPPORT DETAIL
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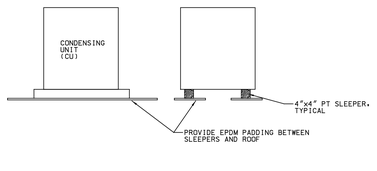
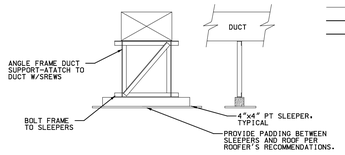


14 P4 CU SLEEPER DETAIL
SCALE: NOT TO SCALE



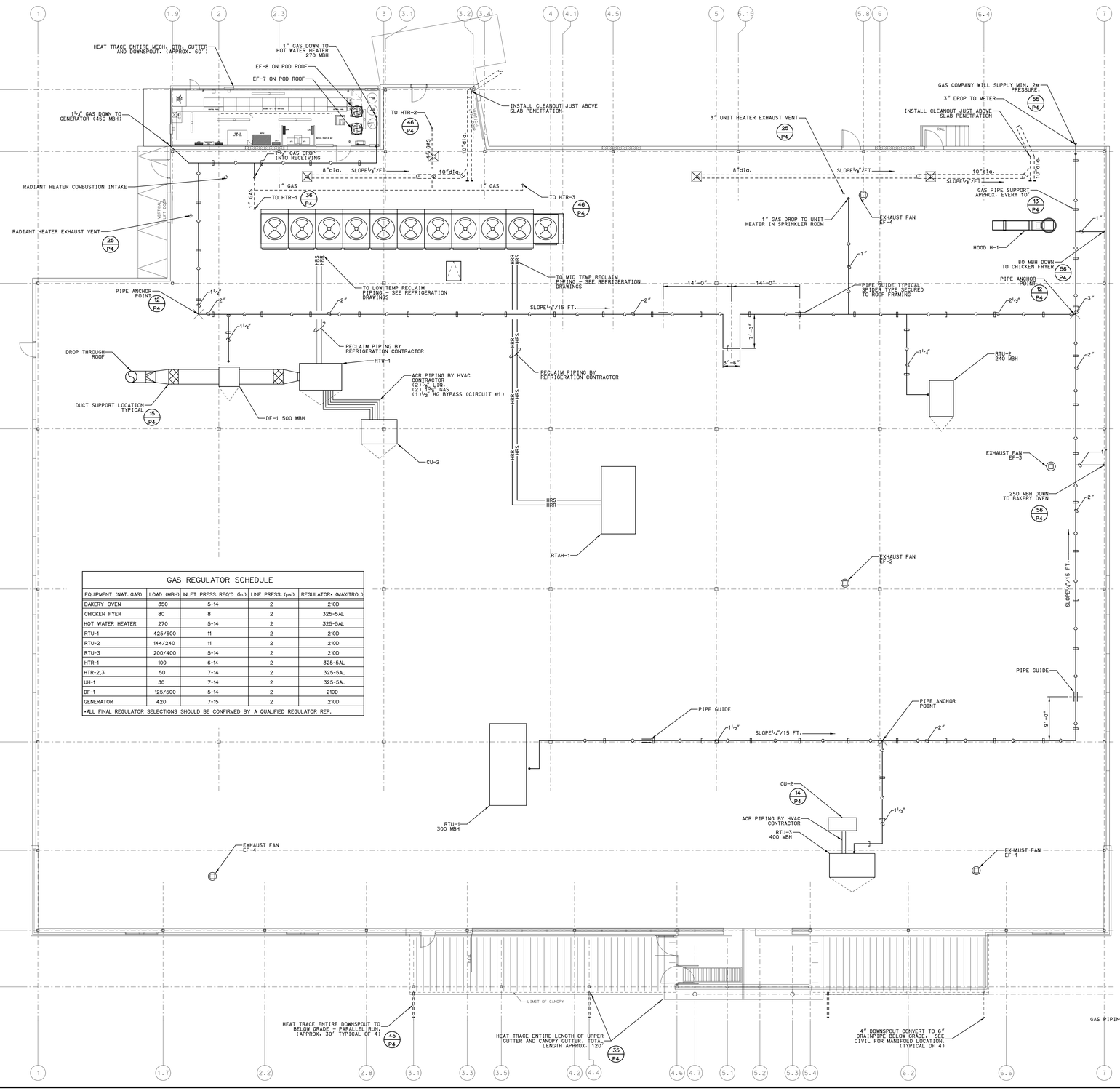
15 P4 ROOFTOP DUCT SUPPORT DETAIL
SCALE: NOT TO SCALE

PIPING LEGEND

	-	GAS PIPING
HRS HRS	-	LOW TEMP DIRECT HEAT RECLAIM SUPPLY
HRR HRR	-	LOW TEMP DIRECT HEAT RECLAIM RETURN
HRS HRS	-	MID TEMP DIRECT HEAT RECLAIM SUPPLY
HRR HRR	-	MID TEMP DIRECT HEAT RECLAIM RETURN

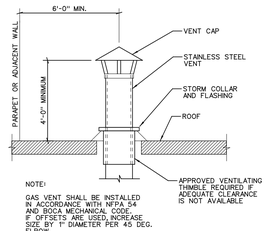
CONNECTED GAS LOAD	
USE	MBH
COOKING	430
HEATING	1930
DOMESTIC HOT WATER	270
GENERATOR	450
TOTAL	3080

NOTES:
1. GAS PIPING SHALL SLOPE A MIN. OF 1/4"/15FT. I.A.W. NFPA 54. "THE NATIONAL FUEL GAS CODE.'
2. GAS PIPING SIZES BASED ON 2 PSIG AT METER. LOW PRESS. REGULATOR TO APPLIANCE 11" W.C. W/ 0.5"W.C. PRESSURE DROP.

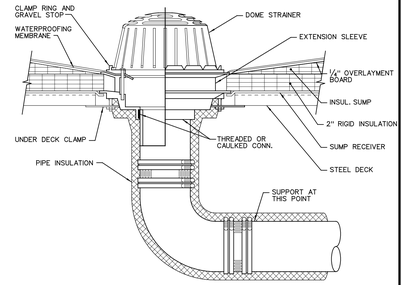


GAS REGULATOR SCHEDULE				
EQUIPMENT (NAT. GAS)	LOAD (MBH)	INLET PRESS. REQ'D (in.)	LINE PRESS. (psi)	REGULATOR* (MAXITROL)
BAKERY OVEN	350	5-14	2	210D
CHICKEN FYER	80	8	2	325-5AL
HOT WATER HEATER	270	5-14	2	325-5AL
RTU-1	425/600	11	2	210D
RTU-2	144/240	11	2	210D
RTU-3	200/400	5-14	2	210D
HTR-1	100	6-14	2	325-5AL
HTR-2,3	50	7-14	2	325-5AL
UH-1	30	7-14	2	325-5AL
DF-1	125/500	5-14	2	210D
GENERATOR	420	7-15	2	210D

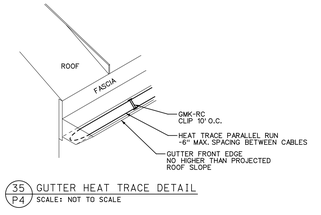
*ALL FINAL REGULATOR SELECTIONS SHOULD BE CONFIRMED BY A QUALIFIED REGULATOR REP.



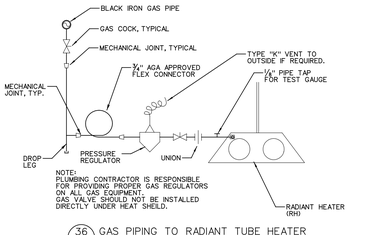
25 P4 GAS VENT DETAIL
SCALE: NOT TO SCALE



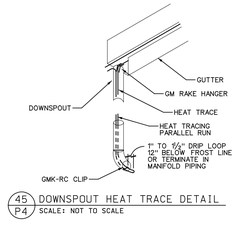
26 P4 ROOF DRAIN DETAIL
SCALE: NOT TO SCALE



35 P4 GUTTER HEAT TRACE DETAIL
SCALE: NOT TO SCALE



36 P4 GAS PIPING TO RADIANT TUBE HEATER
SCALE: NOT TO SCALE



45 P4 DOWNSPOUT HEAT TRACE DETAIL
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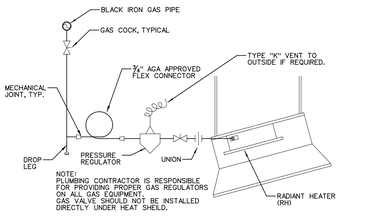
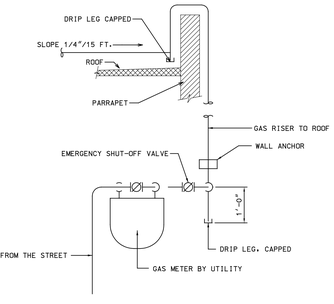
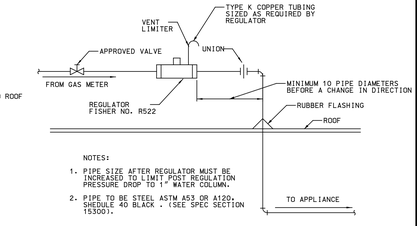


46 P4 GAS PIPING TO RADIANT HEATER (RH) DETAIL
SCALE: NOT TO SCALE



55 P4 GAS METER DETAIL
SCALE: NOT TO SCALE



56 P4 GAS CONNECTION DETAIL
SCALE: NOT TO SCALE

Hannaford Bros. Co.
PO Box 1000
Portland, ME 04104
(207) 883-2911
Engineering Design Services

NO	REVISIONS	BY	DATE

NO	REVISIONS	BY	DATE
0	ISSUED FOR CONSTRUCTION	MEM	8/30/04

PROJECT TITLE
Hannaford
Riverside Street
Portland, Maine

SHEET TITLE
Rooftop Piping Plan

scale	1/8" = 1'-0"
design	M.Morin
drawn	M.Morin
checked	Dept
proj mgr	BOM
date	AUGUST, 2004

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SHEET
P-4
proj no. PRSSA

05/07/2004 03:07:08 PM
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MODEL NAME: Default