

GF-1/CU-1

GF-2/CU-2

SYMBO	LS & ABBREVIATIONS
	LEGEND
SYMBOL	DESCRIPTION
Ū	THERMOSTAT (PROGRAMMABLE)
\boxtimes	CEILING SUPPLY DIFFUSER
	CEILING RETURN GRILLE
X	SUPPLY DUCT SECTION
И	RETURN DUCT SECTION
CFM	CUBIC FEET PER MINUTE
	NATURAL GAS
I	UNION
ø	DIAMETER OR POWER PHASE
O.A.	OUTSIDE AIR
R.A.	RETURN AIR
S.A.	SUPPLY AIR
A.F.F.	ABOVE FINISHED FLOOR
\$	EXHAUST FAN/LIGHT COMBO
6	DUCT MOUNTED SMOKE DETECTOR

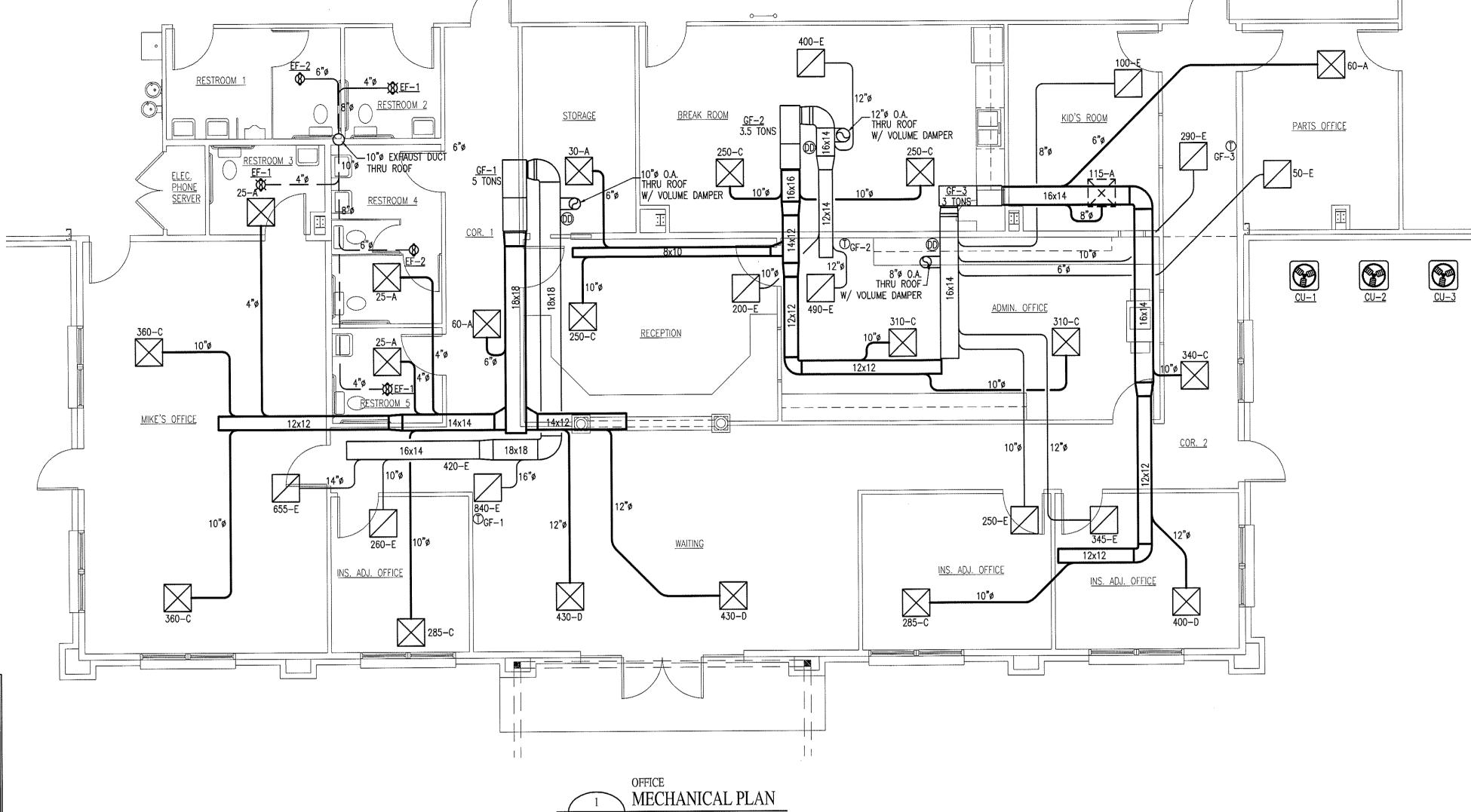
			EXHAUS	ST FAN	I SCHE	DULE				
MARK	MANUFACTURER	MODEL	TYPE	CFM	SP	MOTOR	POWER	SONES	WATTS	CONTROL
EF-1	GREENHECK	SP-A90-L	FAN/LIGHT	75	.125" W.G.	FHP	115/1ø	1.4	104	SWITCH
EF-2	GREENHECK	SP-A190	FAN	150	.125" W.G.	FHP	115/1ø	1.8	150	SWITCH
EF3*	GREENHECK	SBE-2H60-15	SIDEWALL	20,460	.125" W.G.	1-1/2 HP	277/1ø	23.0	2.399	CO2 SENSOR
EF-4*	GREENHECK	SBE-1H54-7	SIDEWALL	17,545	.125" W.G.	3/4 HP	277/1ø	13.4	1,656	CO2 SENSOR

* - EXTERIOR MOTORIZED LOUVERED VENTS FOR EXHAUST FAN INTAKE AIR ARE SIZED BASED ON LOUVERED VENTS HAVING 55% FREE AREA.

		OUTSIDE /	AIR CALC	ULATIONS (GF	⁻ -1)		
OCCUPANCY CLASSIFICATION (PER TABLE 403.3)	NET (GROSS) SQUARE FOOTAGE	OCCUPANCY LOAD PERSONS PER 1,000 S.F.	CALCULATED # OF PEOPLE	OUTSIDE AIR REQUIRED PER PERSON (CFM)	OUTSIDE AIR REQUIRED PER S.F. (CFM)	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)
WAITING	335	30	10	15	,	150	150
INSURANCE OFFICE 1	88	7	1	20	4-	20	20
CORRIDOR 1	(225)	_	+-+		0.05	11	15
MIKE'S OFFICE	404	7	3	20		60	60
		1			TOTAL OUTSIDE AIR	241	245

		OUTSIDE /	AIR CALC	ULATIONS (GF	- -2)		
OCCUPANCY CLASSIFICATION (PER TABLE 403.3)	NET (GROSS) SQUARE FOOTAGE	OCCUPANCY LOAD PERSONS PER 1,000 S.F.	CALCULATED # OF PEOPLE	OUTSIDE AIR REQUIRED PER PERSON (CFM)	OUTSIDE AIR REQUIRED PER S.F. (CFM)	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)
RECEPTION	187	60	3	15	_	45	45
ADMINISTRATION OFFICE	279	7	2	20	_	40	40
BREAK ROOM	303	50	15	15		225	225
	<u></u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·		TOTAL OUTSIDE AIR	310	310

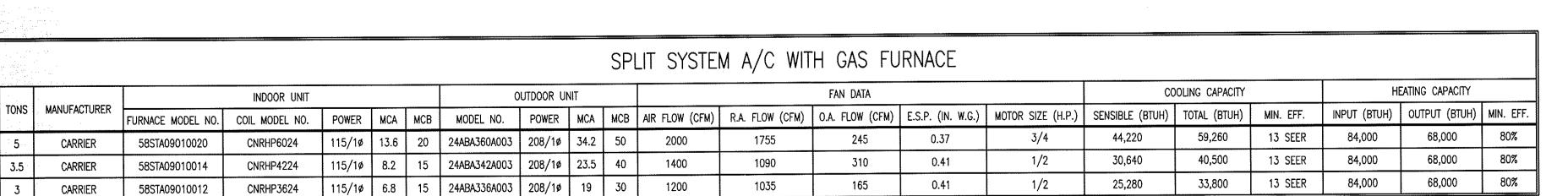
		OUTSIDE /	AIR CALC	ULATIONS (GF	- 3)		
OCCUPANCY CLASSIFICATION (PER TABLE 403.3)	NET (GROSS) SQUARE FOOTAGE	OCCUPANCY LOAD PERSONS PER 1,000 S.F.	CALCULATED # OF PEOPLE	OUTSIDE AIR REQUIRED PER PERSON (CFM)	OUTSIDE AIR REQUIRED PER S.F. (CFM)	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)
INSURANCE OFFICE 2	119	7	1	20		20	20
INSURANCE OFFICE 3	116	7	1	20		20	20
CORRIDOR 2	(292)	_	-	-	0.05	15	15
KID'S ROOM	124	50	6	15	Amin	90	90
PARTS OFFICE	130	7	1	20	-	20	20
					TOTAL OUTSIDE AIR	165	165

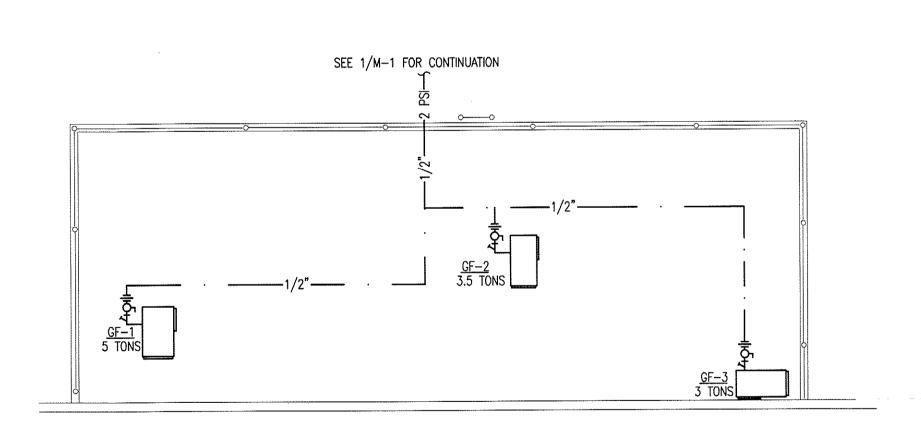


			NFRARE	D HEATE	R SCHE	DULE			
MARK	MANUFACTURER	MODEL	TUBE LENGTH	INPUT (BTUH)	OUTPUT (BTUH)	MIN. EFF.	POWER	WATTS	CONTROL
GH-1-8	SPACE-RAY	LTU100-30	30'	100,000	85,000	85% AFUE	120V/1ø	312	THERMOSTAT

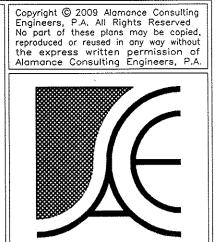
			AIR DI	STRIBUTI	ON SCI	HEDULE			
MARK	MANUFACTURER	NECK SIZE	PANEL SIZE	CFM RANGE	USE	TYPE	MODEL	MATERIAL	FILTER SIZE
Α	E.H. PRICE	6"ø	24x24	0-150	SUPPLY	STAMPED LOUVER FACE	SCD	STEEL	-
В	E.H. PRICE	8 " ø	24x24	151-250	SUPPLY	STAMPED LOUVER FACE	SCD	STEEL	_
С	E.H. PRICE	10"ø	24x24	251-375	SUPPLY	STAMPED LOUVER FACE	SCD	STEEL	_
D	E.H. PRICE	12 " ø	24x24	376-550	SUPPLY	STAMPED LOUVER FACE	SCD	STEEL	_
E	E.H. PRICE	22×22	24x24	0-1600	RETURN	non-filtered return grille	PDDR	STEEL	

E			
E	MODEL	MATERIAL	FILTER SIZE
PED FACE	SCD	STEEL	_
'ED Face	SCD	STEEL	_
PED FACE	SCD	STEEL	_
PED FACE	SCD	STEEL	_
TENCO	1		*****

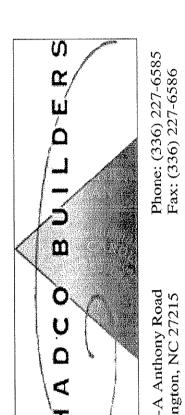




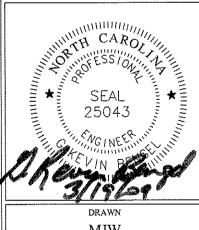




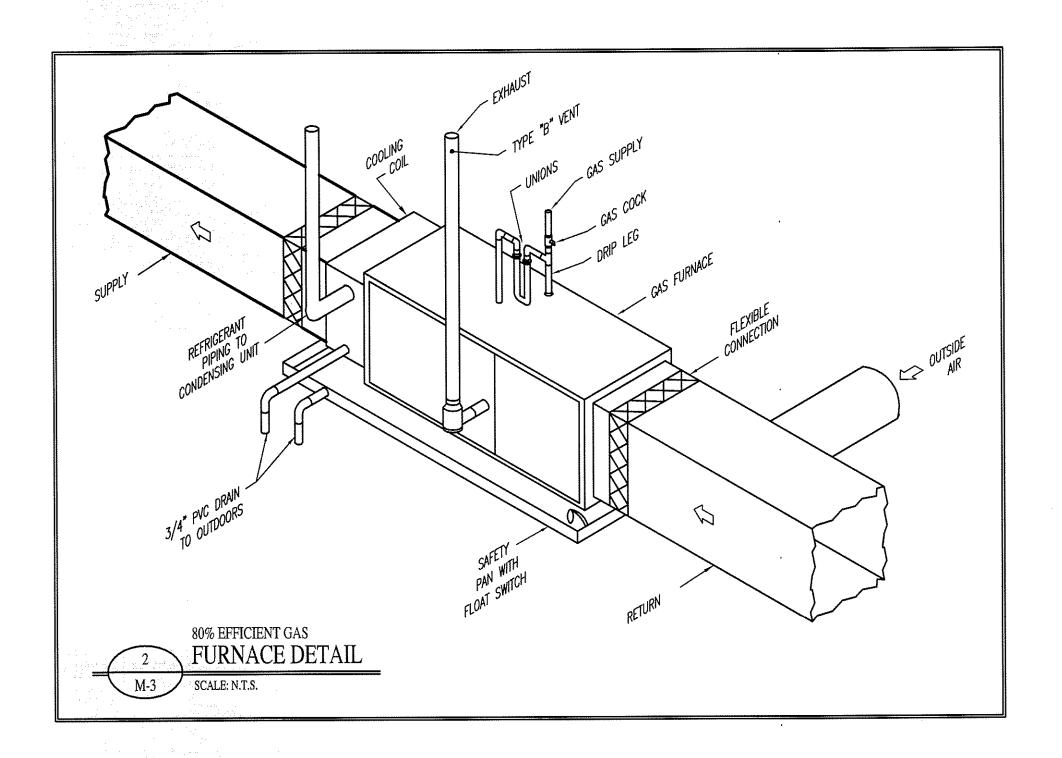
961-F Burlington Ave. Gibsonville, N.C. 27249 Phone: (336) 449-4558 Fax: (336) 449-5732

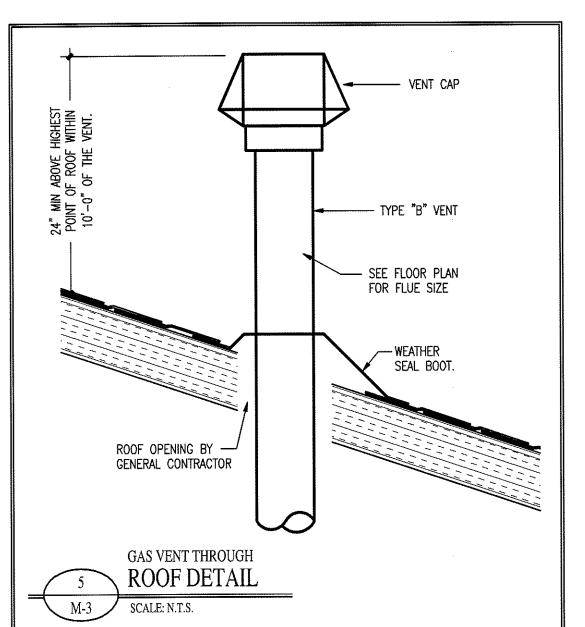


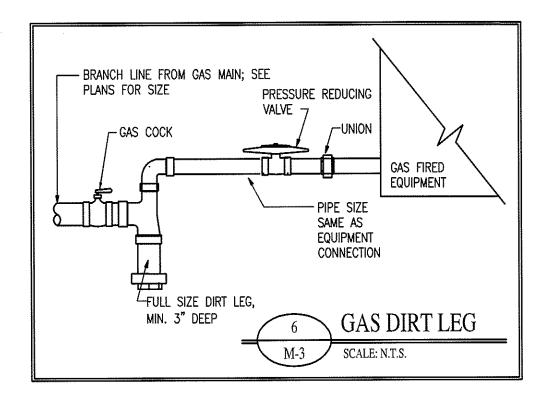
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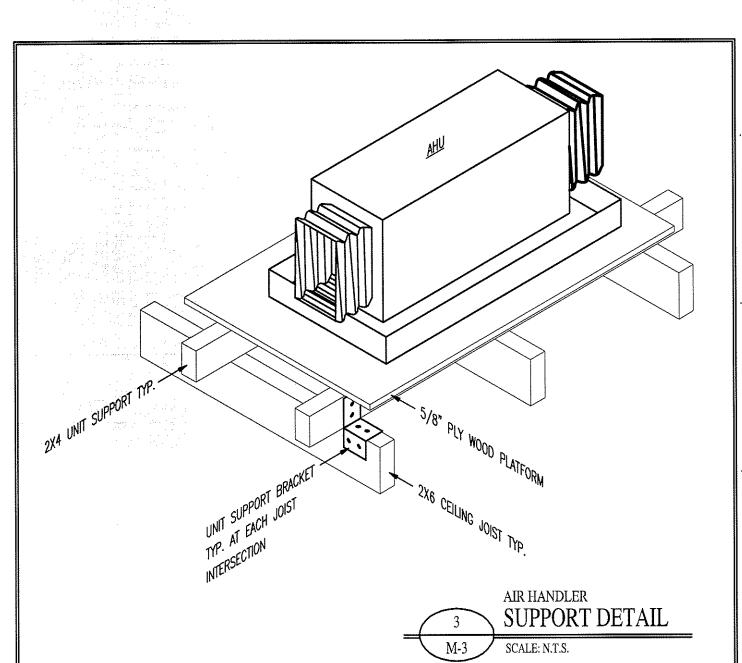
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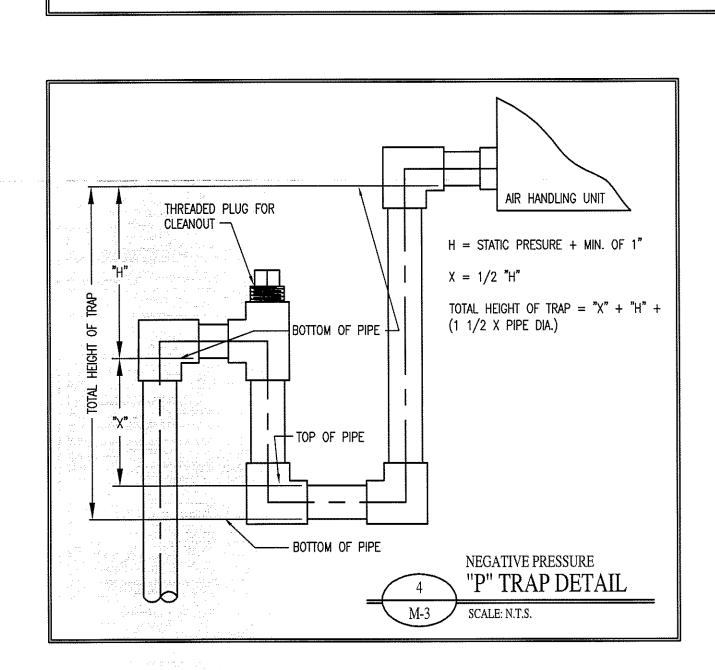


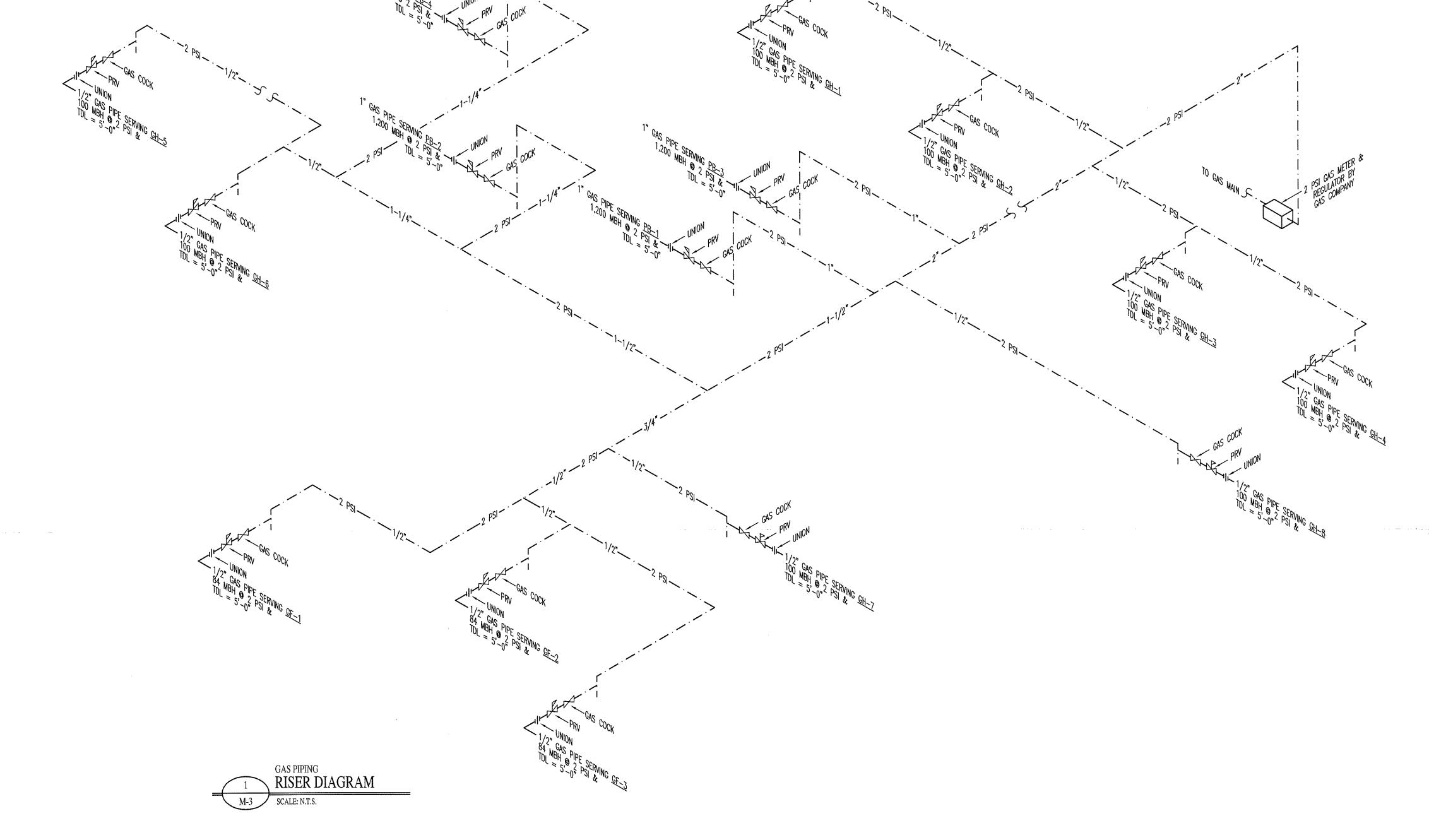


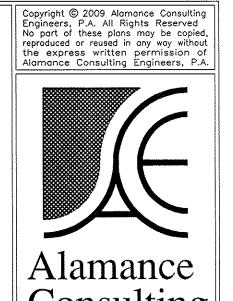


	EQUIPMENT SO	
MARK	DESCRIPTION	BTU/hr. INPUT
<u>GF-1</u>	GAS FURNACE	84,000
<u>GF-2</u>	GAS FURNACE	84,000
<u>GF-3</u>	GAS FURNACE	84,000
<u>PB-1</u>	PAINT BOOTH	1,200,000
<u>PB-2</u>	PAINT BOOTH	1,200,000
<u>PB-3</u> `	PAINT BOOTH	1,200,000
<u>PB-4</u>	PAINT BOOTH	1,200,000
<u>GH-1</u>	gas tube heater	100,000
<u>GH-2</u>	GAS TUBE HEATER	100,000
<u>GH-3</u>	GAS TUBE HEATER	100,000
<u>GH-4</u>	GAS TUBE HEATER	100,000
<u>GH-5</u>	GAS TUBE HEATER	100,000
<u>GH-6</u>	GAS TUBE HEATER	100,000
<u>GH-7</u>	gas tube heater	100,000
<u>GH-8</u>	gas tube heater	100,000
	TOTAL	5,852,000 @250' T.D.L.









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HADCO BUILDE.

W BUILDING FACILITY:
ARRELL ALLEN
ODY SHOP

DRAWING NAME

MECHANICAL

DETAILS

SEAL 25043

DRAWN
MJW

CHECKED

MJW

CHECKED

PATE

3/18/09

SCALE

AS NOTED

JOB NO.

9008

SHEET

M-3