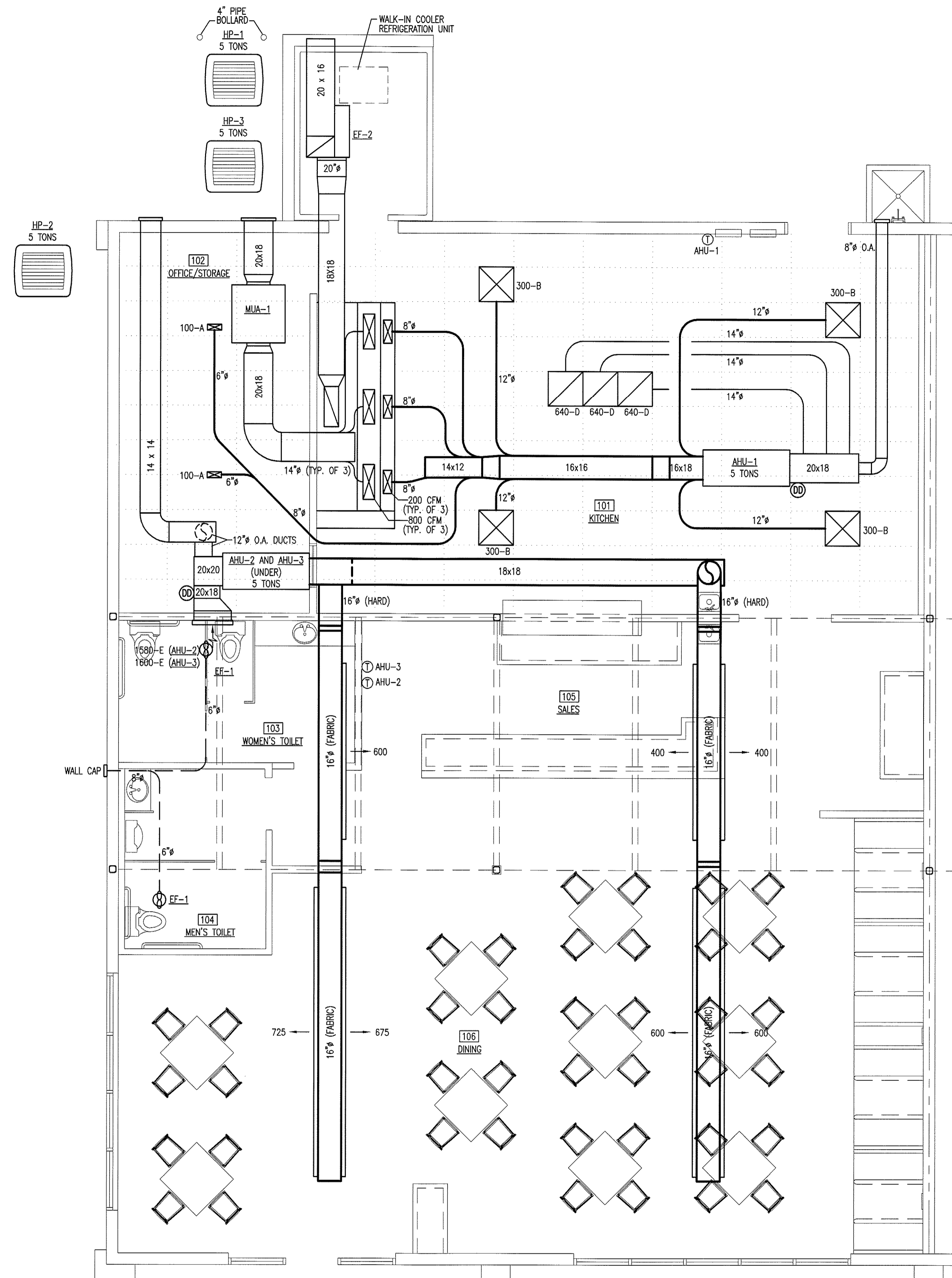


**Alamance Consulting Engineers**

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Phone: (336) 226-4117  
Fax: (336) 570-1926

**MECHANICAL NOTES:**

1. ALL HVAC EQUIPMENT AND DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL CODES.
2. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DUCTWORK, PIPING, AND ELECTRICAL REQUIREMENTS WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
3. ALL EQUIPMENT TO BE INSTALLED AS SUGGESTED BY MANUFACTURER.
4. INSULATE SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES BY WRAPPING WITH INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 5.0. DIMENSIONS SHOWN ARE INSIDE CLEAR AREA DIMENSIONS.
5. FIRST 10' FROM THE HVAC UNIT OF EXPOSED INTERIOR DUCTWORK MUST BE INSULATED WITH 1" DUCT LINER.
6. EQUIP RETURN AIR GRILLES WITH FILTERS.
7. MECHANICAL SYSTEM TO BE BALANCED AND TESTED AFTER INSTALLATION TO ASSURE PROPER OPERATION.
8. COORDINATE EXACT LOCATION OF THERMOSTATS WITH OWNER.
9. ANY FIRE RATED ASSEMBLY PENETRATIONS ARE TO BE PER CODE. CONTRACTOR SHOULD REVIEW ALL FIRE RATING PENETRATIONS.
10. BATHROOM EXHAUST FANS ARE TO BE FURNISHED, INSTALLED AND DUCTED TO OUTDOORS BY THE MECHANICAL CONTRACTOR. EXHAUST FAN TO BE WIRED BY THE ELECTRICAL CONTRACTOR.
11. SMOKE DETECTORS ARE TO BE PROVIDED IN RETURN AIR DUCT OF EACH UNIT AHEAD OF MAKE-UP AIR CONNECTIONS TO SHUT DOWN THE UNIT IN CASE OF FIRE.
12. SMOKE DETECTOR ACTUATION SHALL ACTIVATE AN AUDIBLE/VISUAL NOTIFICATION DEVICE LOCATED IN AN APPROVED LOCATION. SMOKE DETECTOR TROUBLE CONDITION SHALL ACTIVATE A VISIBLE OR AUDIBLE SIGNAL IN AN APPROVED LOCATION AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE.
13. EXHAUST FAN DISCHARGE TO BE AT LEAST TEN FEET AWAY FROM HVAC FRESH AIR IN-TAKE.
14. GAS PIPING BASED ON 2 PSI GAS PRESSURE. VERIFY ALL GAS LINES SIZES WITH GAS COMPANY.
15. ALL GAS PIPING TO BE BLACK STEEL PIPING WITH PROTECTIVE PAINT.
16. GAS REGULATORS FOR HVAC EQUIPMENT TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
17. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
18. DUCT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE INTENT OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL TRANSITIONS, OFFSETS, OR TURNS, IN THE DUCTWORK AND/OR PIPING, NOT SHOWN BUT REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
19. ALL DUCTWORK SHALL BE INSTALLED TIGHT AGAINST THE STRUCTURE UNLESS OTHERWISE NOTED OR SHOWN.
20. AIR DISTRIBUTION LOCATIONS SHOWN ON MECHANICAL PLANS ARE APPROXIMATE. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LOCATIONS.
21. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.
22. KITCHEN EXHAUST HOOD DUCTWORK TO BE 16 GAUGE STEEL MINIMUM. ALL JOINTS AND SEAMS ARE TO BE WELDED LIQUID TIGHT. AN APPROVED CLEAN-OUT DOOR TO BE PROVIDED AT EVERY CHANGE IN DIRECTION. DUCTWORK TO BE SLOPED AT 1" PER FOOT MINIMUM.
23. ANSUL HOOD SYSTEMS TO BE WIRED TO SHUT DOWN ALL COOKING EQUIPMENT UNDER IT IN CASE OF FIRE.
24. PRESSURE REGULATORS FOR GAS KITCHEN EQUIPMENT TO BE PROVIDED BY AND INSTALLED BY CONTRACTOR INSTALLING THE GAS PIPING.



**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE**

PRESCRIPTIVE  ENERGY COST BUDGET

THERMAL ZONE 8

EXTERIOR DESIGN CONDITIONS  
WINTER DRY BULB 90 °F  
SUMMER DRY BULB 75 °F

INTERIOR DESIGN CONDITIONS  
WINTER DRY BULB 68 °F  
SUMMER DRY BULB 78 °F  
RELATIVE HUMIDITY 50 %

BUILDING HEATING LOAD 85,183 BTU/HR  
BUILDING COOLING LOAD 14.68 TONS

MECHANICAL SPACING CONDITIONING SYSTEM UNITARY  
DESCRIPTION OF UNIT SPLIT SYSTEM W/ HEAT PUMPS

HEATING EFFICIENCY \_\_\_\_\_  
COOLING EFFICIENCY \_\_\_\_\_  
HEATING OUTPUT OF UNIT 178,200 BTU/HR  
COOLING OUTPUT OF UNIT 15 TONS

LIST EQUIPMENT EFFICIENCIES  
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEM)  
MOTOR HORSEPOWER \_\_\_\_\_ HP  
NUMBER OF PHASES \_\_\_\_\_  
MINIMUM EFFICIENCY \_\_\_\_\_ %  
MOTOR TYPE \_\_\_\_\_  
# OF POLES \_\_\_\_\_

DESIGNER STATEMENT:  
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT REQUIREMENTS OF NORTH CAROLINA STATE BUILDING CODES.

**SYMBOLS & ABBREVIATIONS LEGEND**

SYMBOL	DESCRIPTION
Ⓧ	THERMOSTAT (PROGRAMMABLE)
⊠	CEILING SUPPLY DIFFUSER
⊡	CEILING RETURN GRILLE
→	SIDEWALL SUPPLY DIFFUSER
←	SIDEWALL RETURN OR EXHAUST GRILLE
CFM	CUBIC FEET PER MINUTE
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
Ⓧ	DUCT MOUNTED SMOKE DETECTOR

**WALL LEGEND**

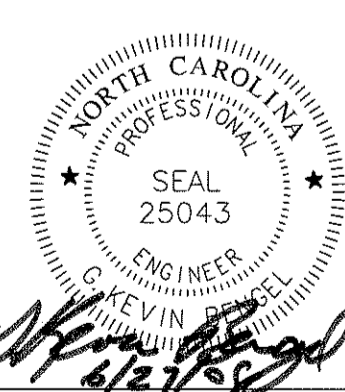
SYMBOL	DESCRIPTION
▬	2-HOUR RATED FIRE PARTITION

**KEY PLAN**

MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"

TENANT UPFIT FOR:  
**COLORADO CAFE**  
Gibsonville, North Carolina

DRAWING NAME  
MECHANICAL PLAN



DRAWN: TGW  
CHECKED: *6/18*  
DATE: 6/26/08  
SCALE: AS NOTED  
JOB NO.: 7147  
SHEET

**M-1**

AIR DISTRIBUTION SCHEDULE									
MARK	MANUFACTURER	NECK SIZE	PANEL SIZE	CFM RANGE	USE	TYPE	MODEL	MATERIAL	FILTER SIZE
A	METALARE	—	10x4	0-150	SUPPLY	SIDEWALL REGISTER	V4004SD	STEEL	—
B	METALARE	10"φ	24x24	281-450	SUPPLY	STAMPED LOWER FACE	5700-6	STEEL	—
C	METALARE	—	16x6	0-300	SUPPLY	SIDEWALL REGISTER	V4004SD	STEEL	—
D	METALARE	22x22	24x24	0-800	RETURN	RETURN FILTER GRILLE	SRHF	STEEL	20x20
E	METALARE	26x26	32x32	0-1800	RETURN	RETURN FILTER GRILLE	SRHF	STEEL	30x30

EXHAUST FAN SCHEDULE										
MARK	MANUFACTURER	MODEL	TYPE	CFM	SP	MOTOR	POWER	SONES	WATTS	CONTROL
EF-1	GREENHECK	SP-A190-L	FAN/LIGHT	150	0.125" W.G.	FHP	115/1φ	1.9	213	SWITCH
EF-2	CAPTIVE-AIRE	B18CARM	HOOD EXHAUST	3,000	1.7" W.G.	2 HP	208/3φ	—	2,162	HOOD CONTACTOR

SUPPLY FAN SCHEDULE										
MARK	MANUFACTURER	MODEL	TYPE	CFM	SP	MOTOR	POWER	SONES	WATTS	CONTROL
MAU-1	CAPTIVE-AIRE	INLINE2-G12	HOOD SUPPLY	2,400	0.75" W.G.	1 HP	208/3φ	—	1,189	HOOD CONTACTOR

OUTSIDE AIR CALCULATIONS (SYSTEM 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)
KITCHEN	570	20	*5	15	—	75	80
TOTAL OUTSIDE AIR						75	80

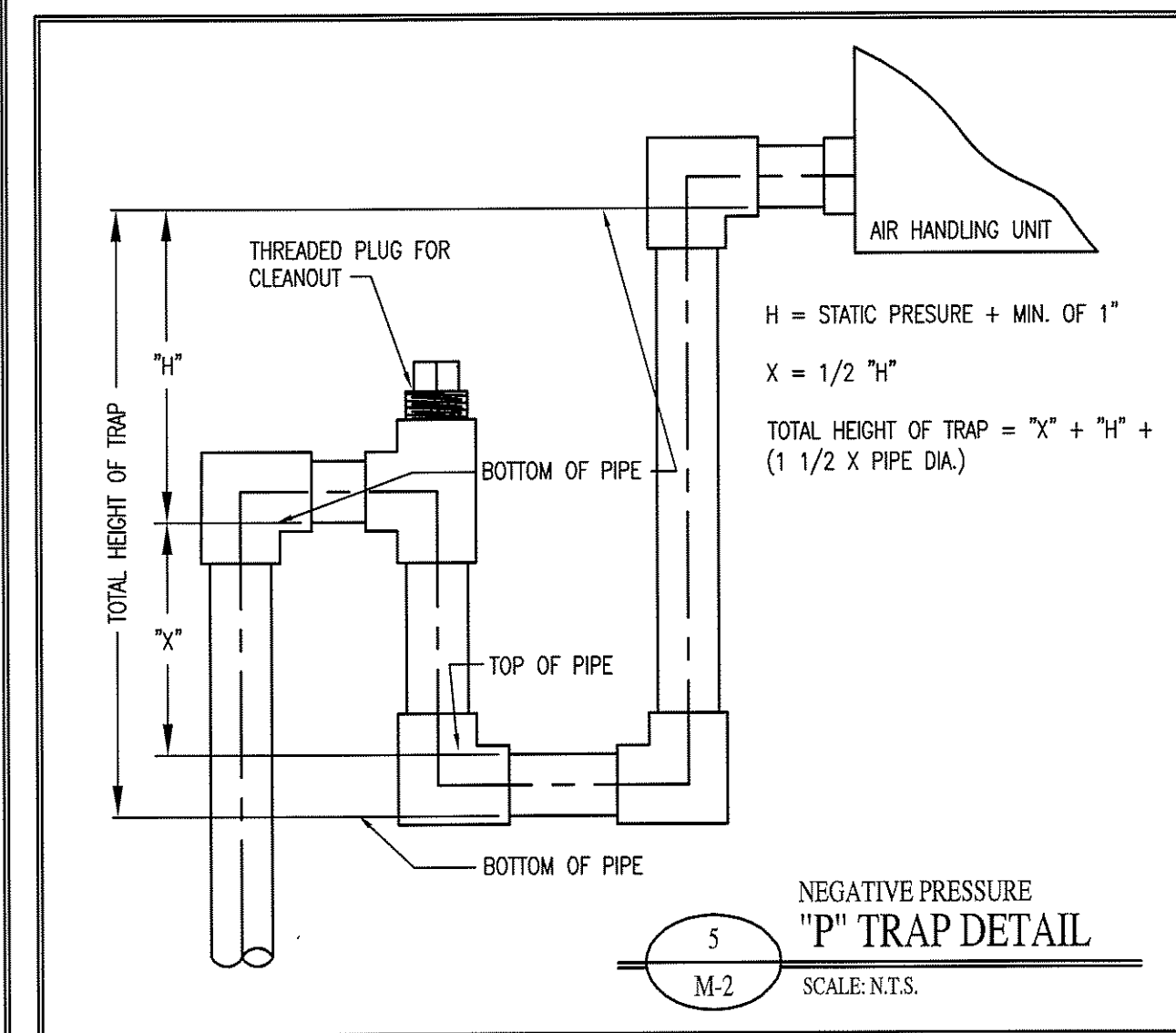
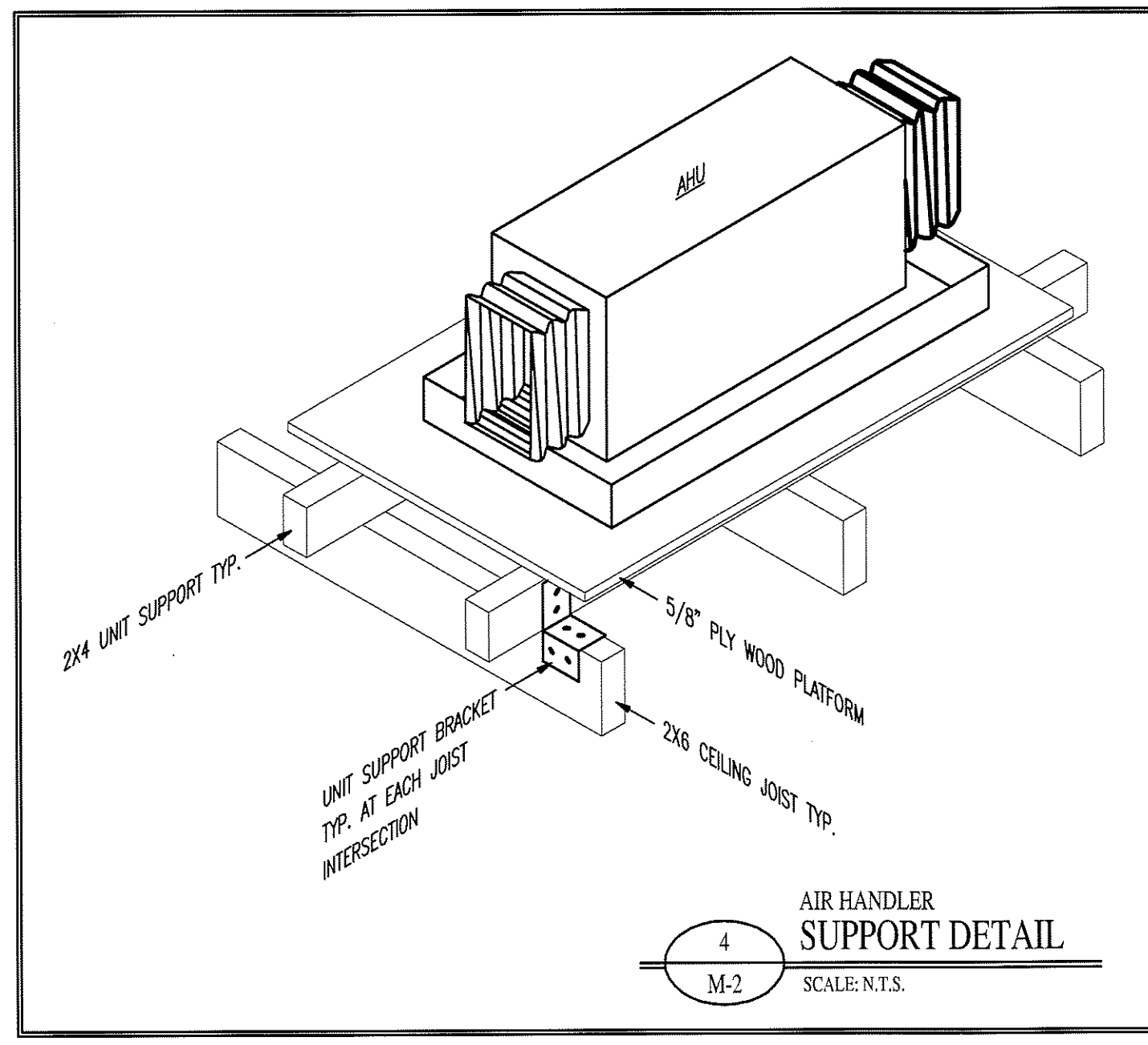
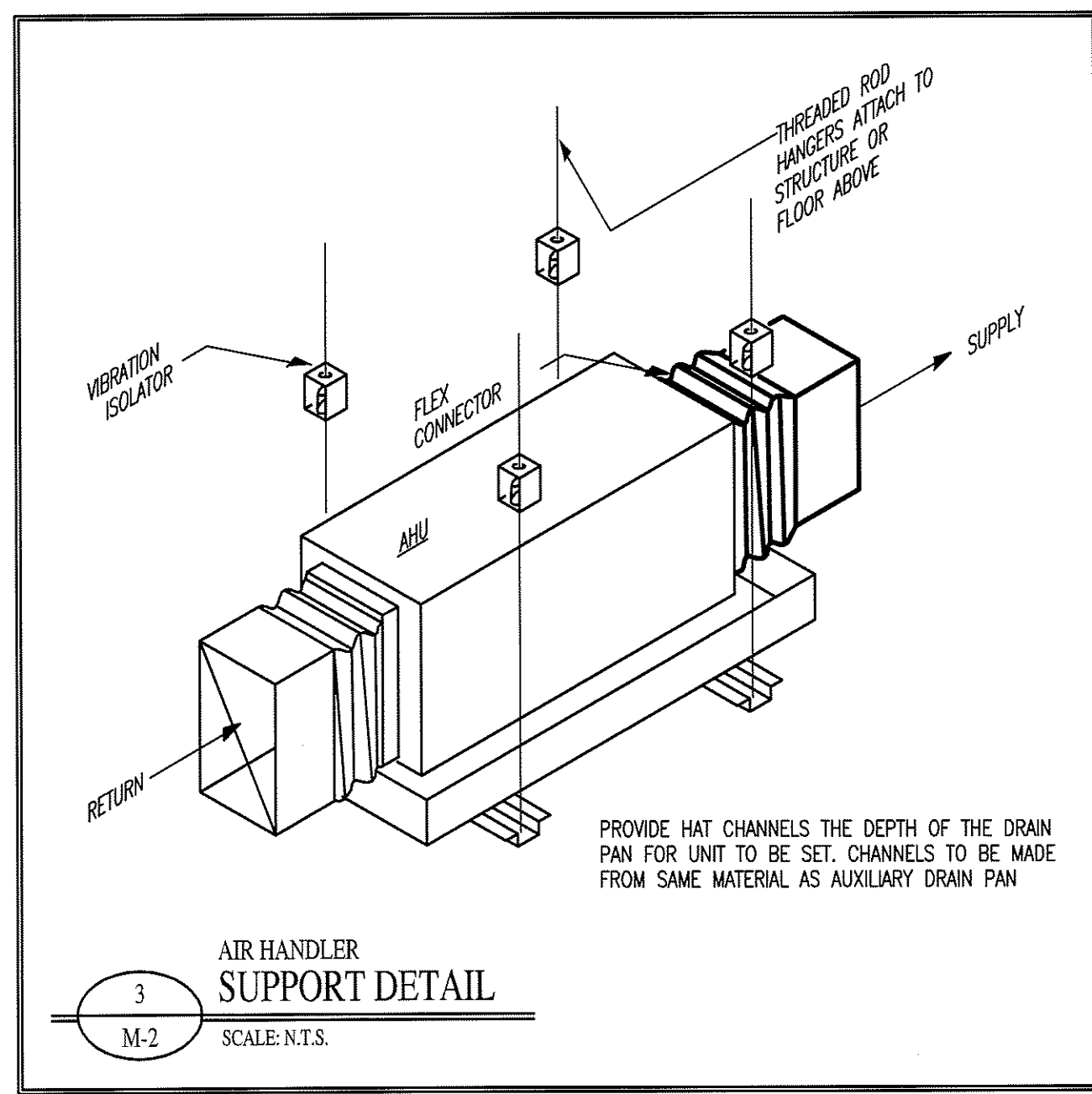
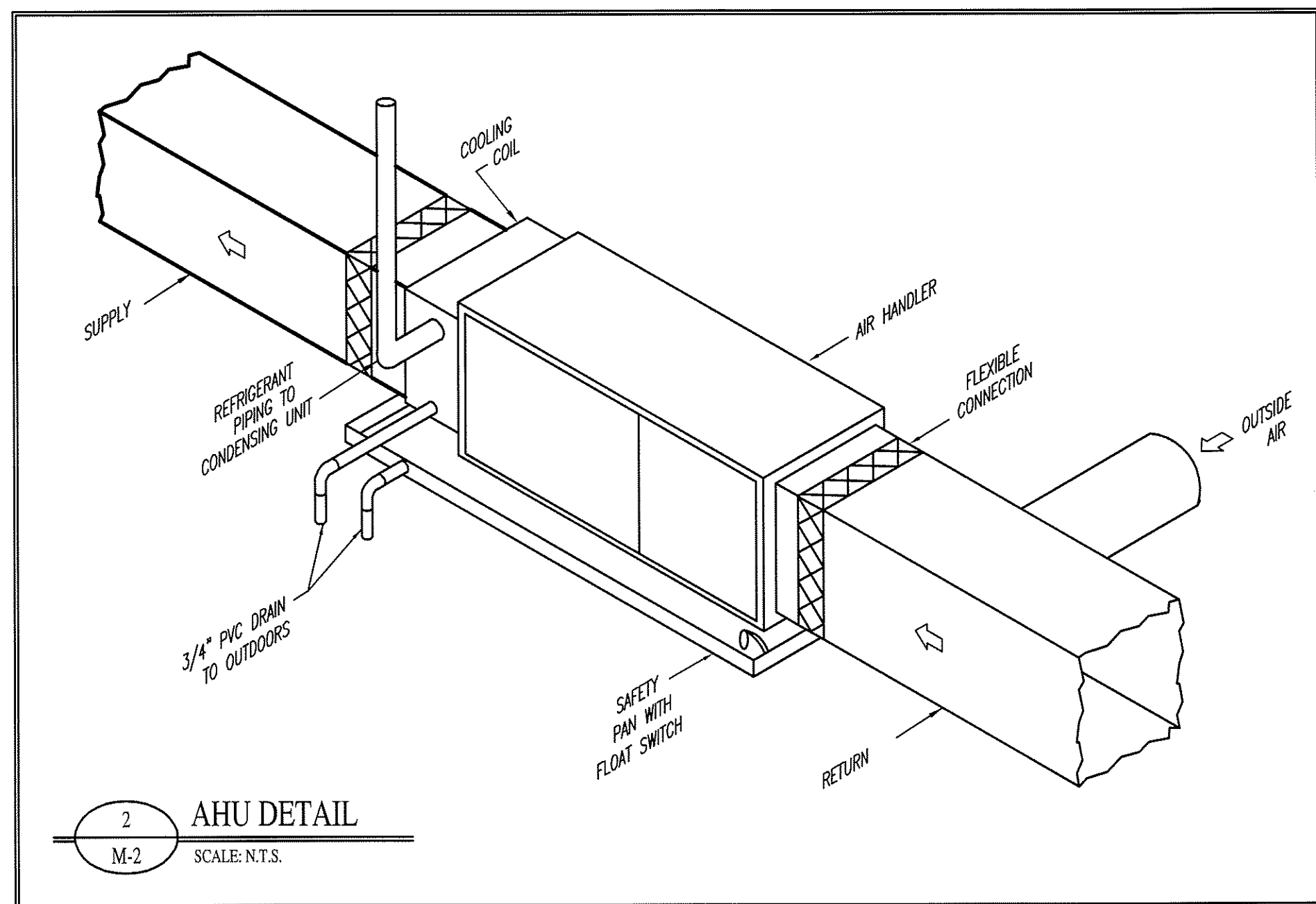
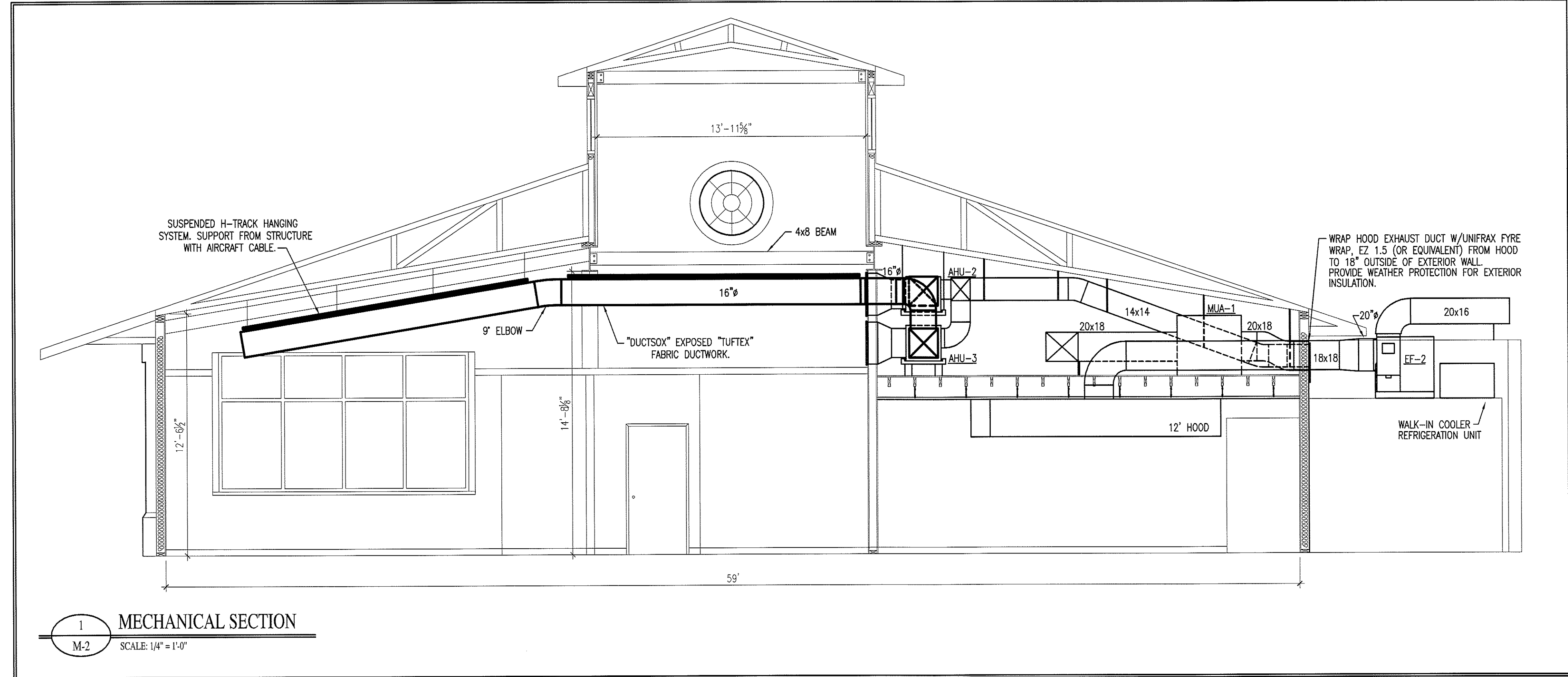
\* BASED ON OWNER'S RECOMMENDATION.

OUTSIDE AIR CALCULATIONS (SYSTEMS 2 AND 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)
DINING	650	70	46	*10	—	460	800
OFFICE/STORAGE	140	7	1	20	—	20	20
TOTAL OUTSIDE AIR						480	820

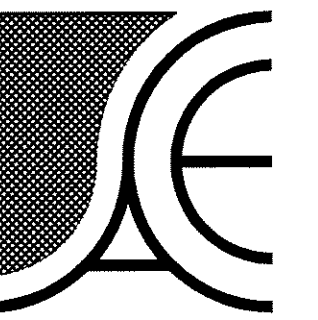
\* OUTSIDE AIR REQUIRED PER PERSON HAS BEEN REDUCED BY HALF DUE TO THE THREE HOUR DURATION PEAK OCCUPANCY PROVISIONS OF ASHRAE 62. SEE CODE INTERPRETATION BY NC DEPARTMENT OF INSURANCE DATED OCTOBER 6, 2004.

AIR BALANCE SCHEDULE (KITCHEN)			
UNIT	MAKE-UP AIR CFM	EXHAUST AIR CFM	REMARKS
EHF-1	—	3000	FRYER HOOD #1
MAU-1	2400	—	MAKE-UP AIR
AHU-1	80	—	AIR HANDLER
AHU-2	410	—	AIR HANDLER
AHU-3	410	—	AIR HANDLER
EF-1	—	150	MEN'S RESTROOM EXHAUST
EF-1	—	150	WOMEN'S RESTROOM EXHAUST
TOTAL	3300	3300	
TOTAL DIFF	3300 - 3300 = + 0 CFM		

SPLIT SYSTEM A/C WITH HEAT PUMP																						
MARK	TONS	MANUFACTURER	INDOOR UNIT				OUTDOOR UNIT				FAN DATA				COOLING CAPACITY			HEATING CAPACITY AT 47 °F (BTUH)	MINIMUM ELECTRIC HEAT CAPACITY	MINIMUM HEATING EFFICIENCY		
			MODEL NO.	STRIP HEAT	POWER	MCA	MCB	MODEL NO.	POWER	MCA	MCB	AIR FLOW (CFM)	R.A. FLOW (CFM)	O.A. FLOW (CFM)	E.S.P. (IN. W.G.)	MOTOR SIZE (H.P.)	SENSIBLE (BTUH)				TOTAL (BTUH)	MIN. EFF.
AHU-1/HP-1	5	CARRIER	FX4CNF060	11.3 KW	208/3φ	47.7	50	25HPA360	208/1φ	34.7	50	2,000	1,920	80	0.35	3/4 HP	43,670	55,710	13 SEER	59,500	2.9 KW	8.0 HSPF
AHU-2/HP-2	5	CARRIER	FX4CNF060	11.3 KW	208/3φ	47.7	50	25HPA360	208/1φ	34.7	50	2,000	1,580	420	0.35	3/4 HP	43,670	55,710	13 SEER	59,500	9.1 KW	8.0 HSPF
AHU-3/HP-3	5	CARRIER	FX4CNF060	11.3 KW	208/3φ	47.7	50	25HPA360	208/1φ	34.7	50	2,000	1,600	400	0.35	3/4 HP	43,670	55,710	13 SEER	59,500	8.7 KW	8.0 HSPF



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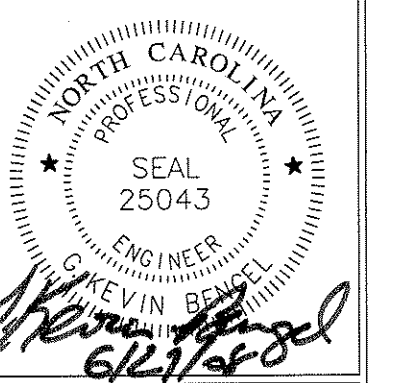


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TENANT UPPIT FOR:  
**COLORADO CAFE**  
Gibsonville, North Carolina

DRAWING NAME  
**MECHANICAL NOTES AND DETAILS**



DRAWN  
TGW  
CHECKED  
DATE  
6/26/08  
SCALE  
AS NOTED  
JOB NO.  
7147  
SHEET

**M-2**

**HOOD INFORMATION**

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM					SUPPLY PLENUM					HOOD CONSTRUCTION	HOOD CONFIG.		
				TOTAL EXH. CFM	WIDTH	LENG.	DIA.	CFM	S.P.	TOTAL SUP. CFM	WIDTH	LENG.	DIA.		CFM	S.P.	END TO END
1	5424 ND-2	12' 0.00"Nom 12' 0.00"OD	450 Deg.	3000	10"	28"		3000	-1.122	0					430 SS Where Exposed	ALONE	N/A
2	266 MISC ACPSP-ONLY	13' 0.00"Nom 13' 0.00"OD	300 Deg.	0						2400					430 SS Where Exposed	ALONE	N/A

**HOOD INFORMATION**

HOOD NO.	FILTER(S)			LIGHT(S)			UTILITY CABINET(S)			FIRE SYSTEM PIPING	HOOD WEIGHT				
	TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD	LOCATION	TYPE			SIZE	ELECTRICAL MODEL #	QUANTITY	SWITCHES LOCATION
1	Stainless Steel (High E)	4	16"	16"	7	Incandescent Light Fix	NO	Left	PYROCHEM	4.6 GAL	EMS11102	1 Light 1 Fan 1 Other	Outside	YES	670 LBS.
2					0									NO	216 LBS.

**PERFORATED SUPPLY PLENUM(S)**

HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	RISER(S)		
					WIDTH	LENG.	DIA.
2	Front	156"	10"	6"	6"	16"	346
					6"	16"	346
					6"	16"	346
					6"	16"	346
Back	156"	16"	6"	8"	24"	800	
				8"	24"	800	
				8"	24"	800	
				8"	24"	800	

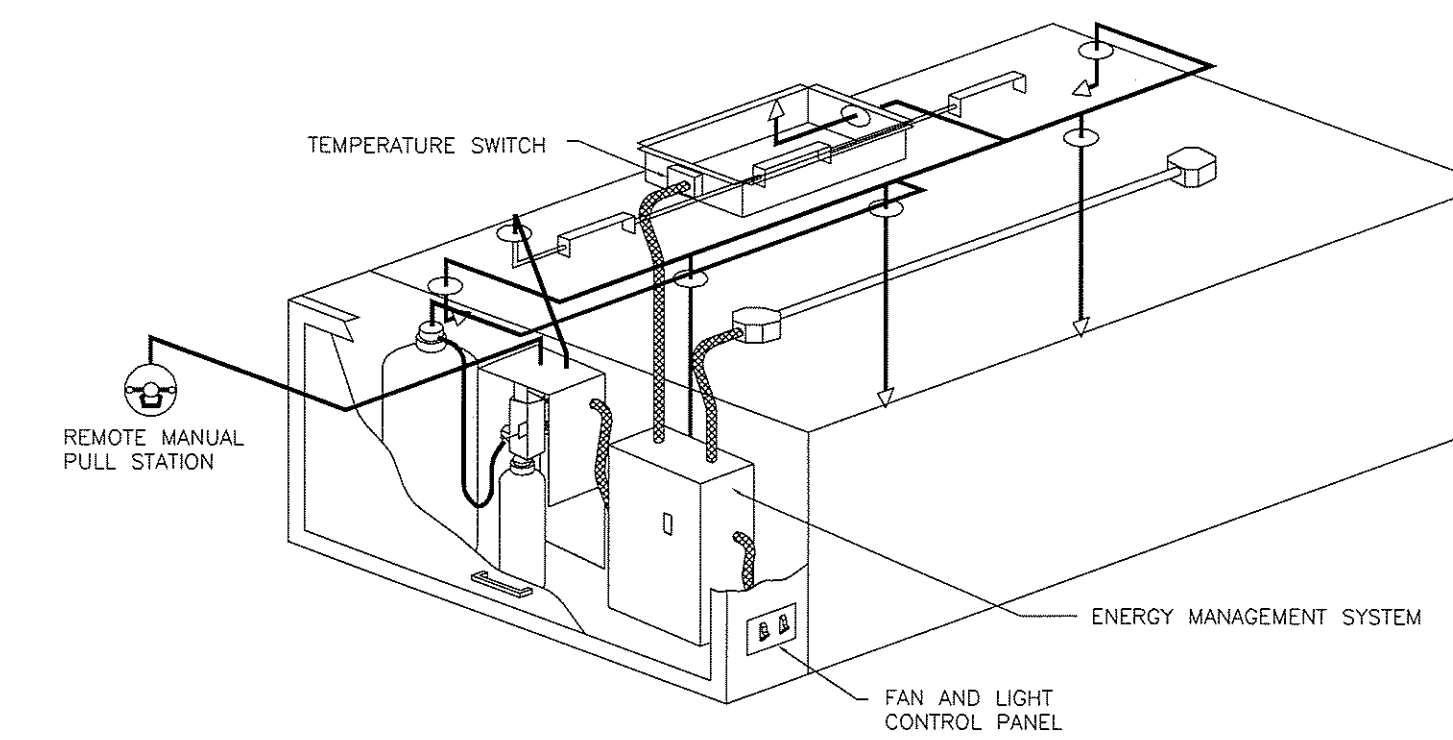
**HOOD OPTIONS**

HOOD NO.	OPTION
1	FIELD WRAPPER 17.00" High Left, Right,
	RIGHT END PANEL 54" Top Width, 48" Bottom Width, 45" High 430 SS
	LEFT END PANEL 54" Top Width, 48" Bottom Width, 45" High 430 SS
2	FIELD WRAPPER 17.00" High Front,
	WRAPPER CHANNEL - Left, Right,

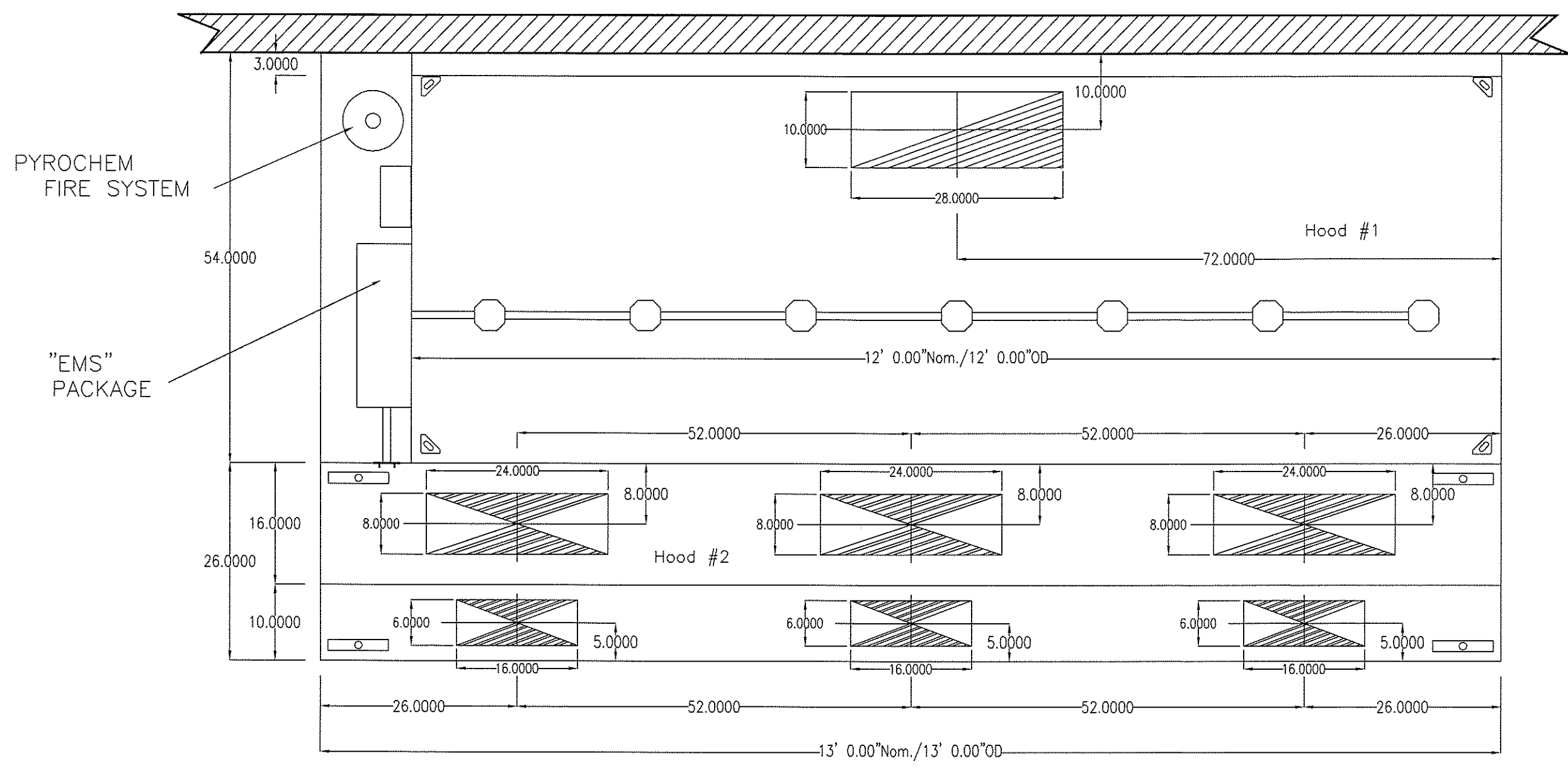
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NSF  
BUILT IN ACCORDANCE WITH NFPA No. 96  
E.T.L. LISTED

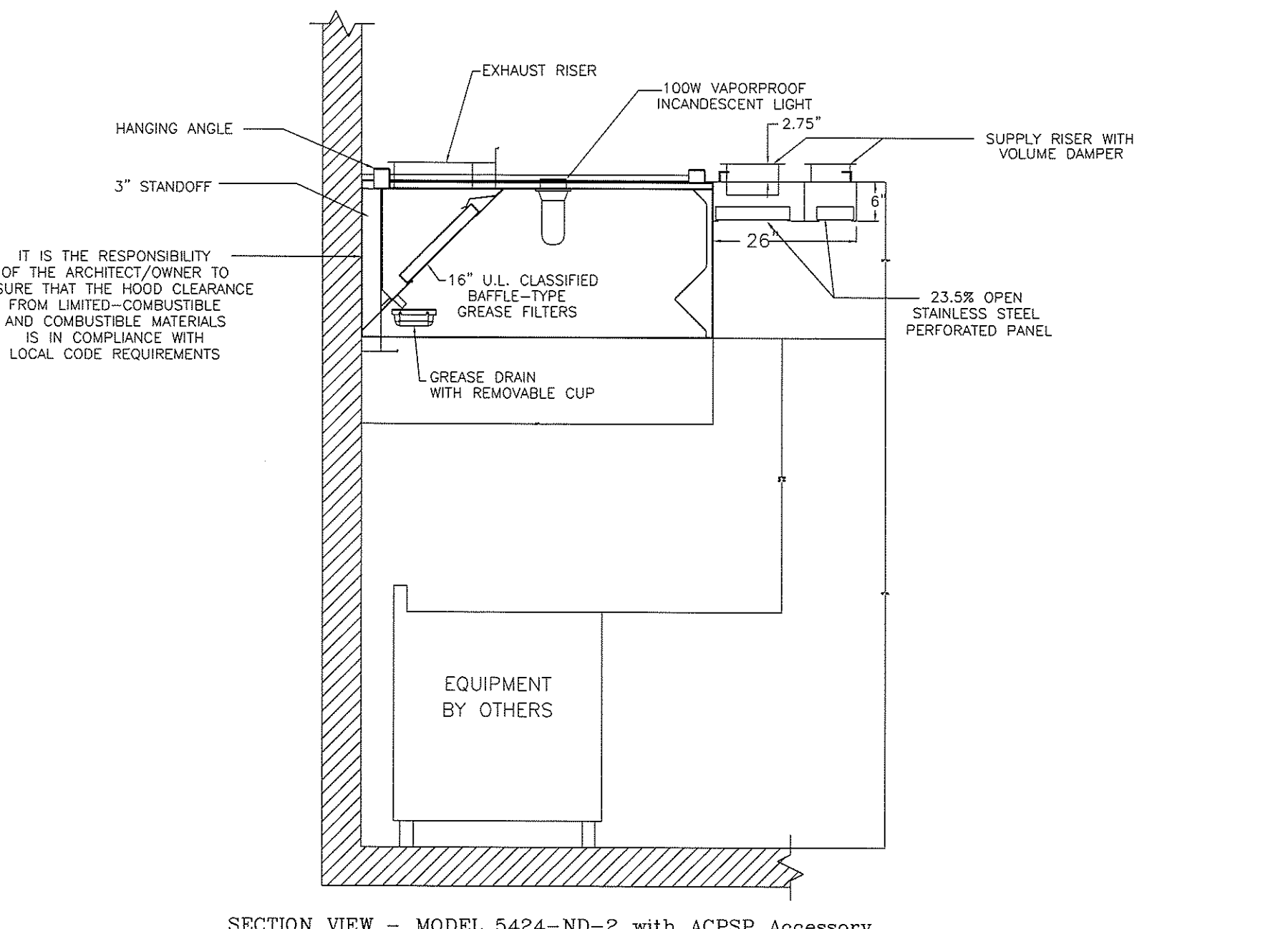
NFPA #96  
NSF  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001



TYPICAL ENERGY MANAGEMENT SYSTEM INSTALLATION



PLAN VIEW - MODEL ND2-ACPSP



SECTION VIEW - MODEL 5424-ND-2 with ACPSP Accessory

\*\*\* NOTE \*\*\*

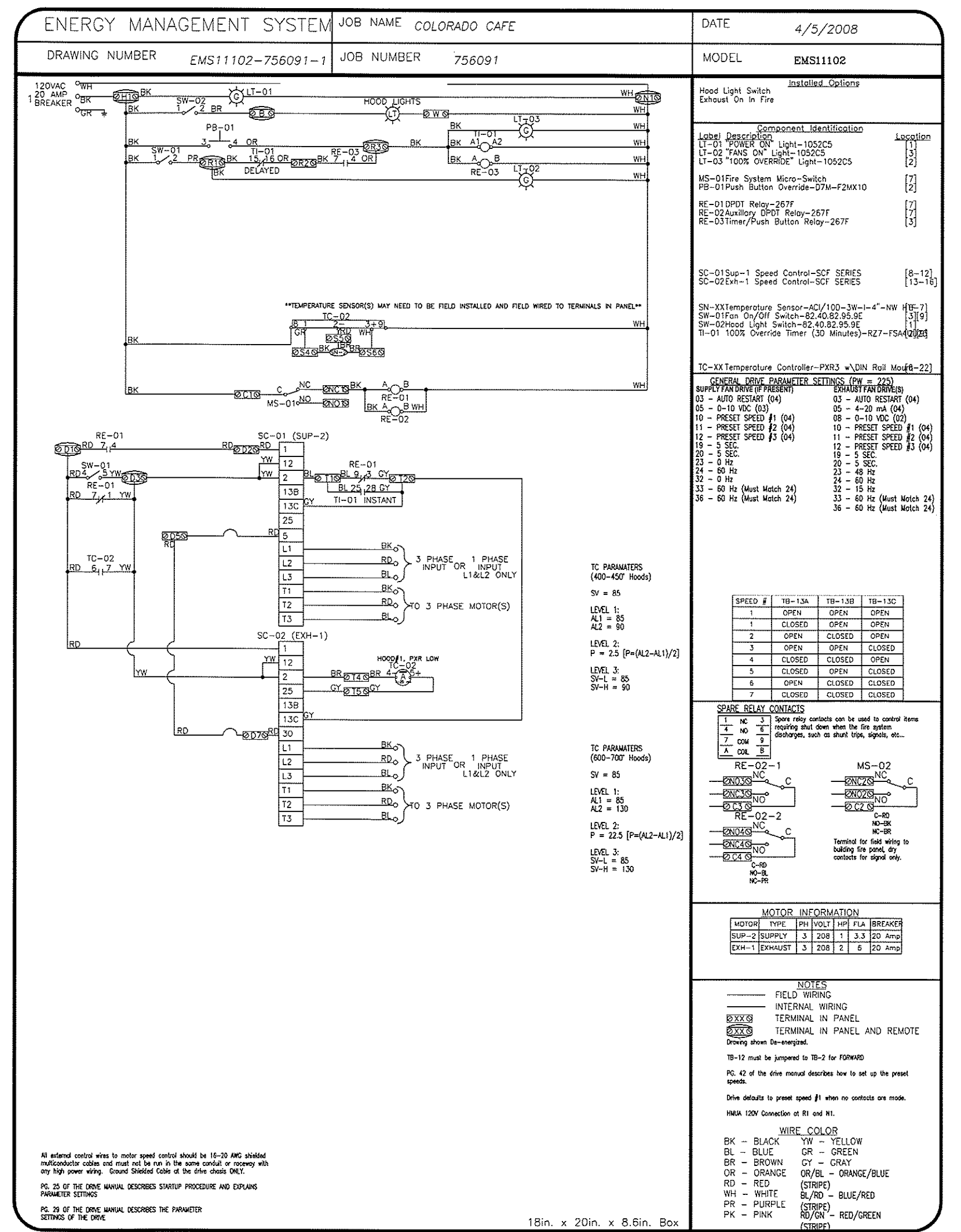
ALL WALLS THAT COME WITHIN 18" OF HOOD MUST BE METAL STUDS AND SHEETROCK. WOOD STUDS NOT ALLOWED.

FOR QUESTIONS, CALL THE  
PIEDMONT NORTH CAROLINA OFFICE  
LONNIE GRANT (REGIONAL MANAGER)  
PHONE: 336-996-8484, FAX: 336-996-0418  
EMAIL: reg30@captiveaire.com

**ENERGY MANAGEMENT SYSTEM WIRING**

**ELECTRICAL PACKAGES**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES	ROOFTOP STARTERS	OPTION	FANS CONTROLLED
1	EMS11102		Utility Cabinet Left Hood # 1	Utility Cabinet Left Hood # 1 1 Light 1 Fan 1 Other		Exhaust in Fire	Type # H.P. VOLT. FLA Supply 3 1.000 208 3.3



JOB	COLORADO CAFE
LOCATION	GRAHAM, NC
DATE	4/5/2008
DWG #	COLORADOCAFE
REV.	1.00
JOB #	756091
DRAWN BY	LAG
SCALE	NTS

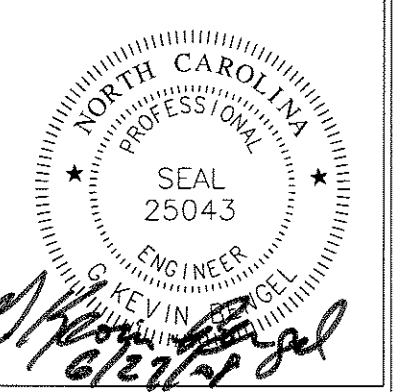
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TENANT UPFIT FOR:  
**COLORADO CAFE**  
Gibsonville, North Carolina

DRAWING NAME  
**HOOD DETAILS**



DATE  
6/26/08

SCALE  
AS NOTED

FOR NO.  
7147

SHEET

**M-3**

FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	EXHAUST FAN									SUPPLY FAN									
		MODEL	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA
1	BI18CARM	BI18CARM		3000	1.700"	1301	2.000	3	208	6.0										
2	INLINE2-G12									G12	INLINE.2		2400	0.750"	795	1.000	3	208	3.3	

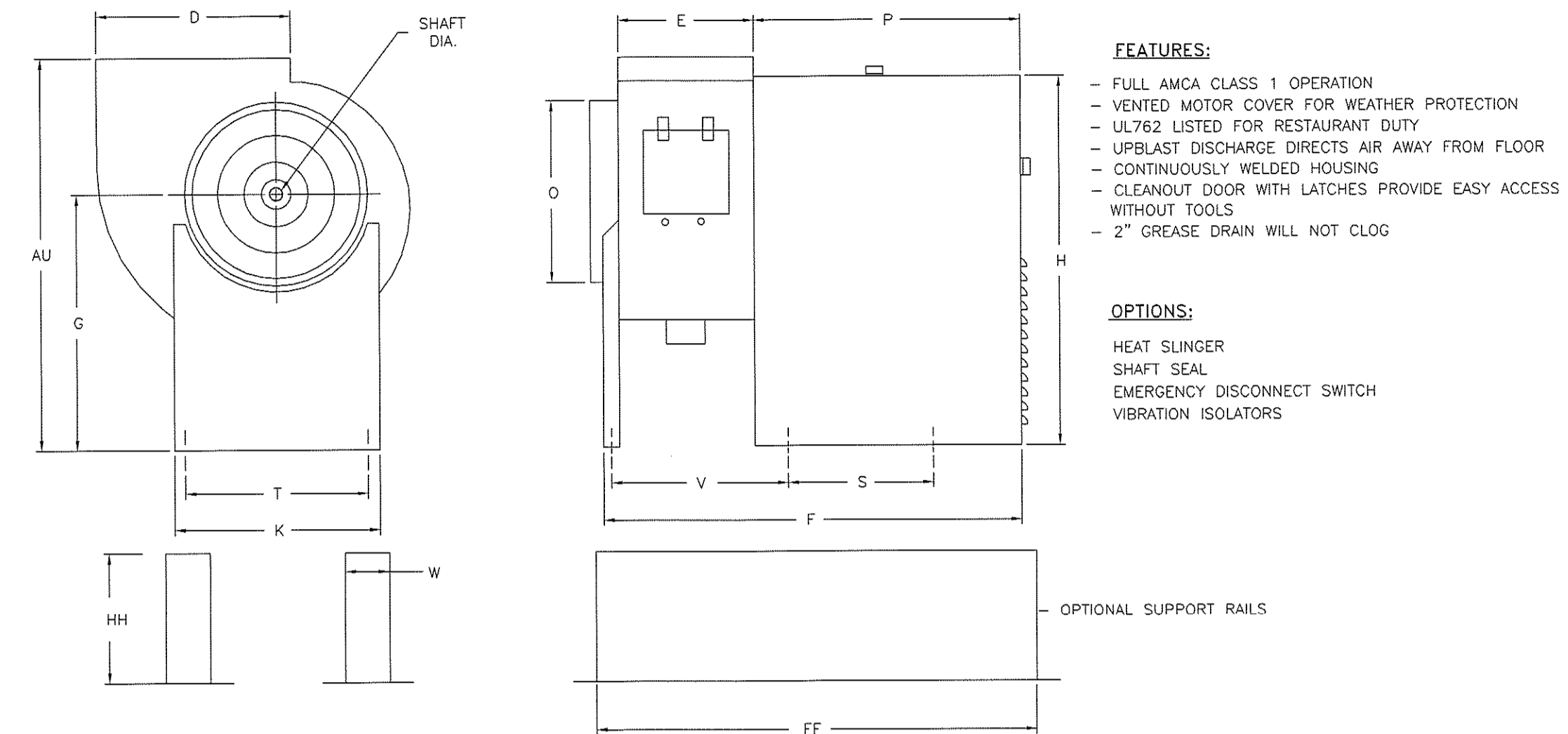
FAN OPTIONS

FAN NO.	OPTION (Qty. - Descr.)
1	1 - Exhaust Fan Grease Cup (Utility Set)
2	1 - Vibration Isolation Ceiling Hangers for INLINE fans (set of 4)

CURB ASSEMBLIES

NO.	ON FAN	ITEM	SIZE
1	# 1	Curb	4.000"W x 48.000"L x 10.000"H

BI SERIES RESTAURANT DUTY UTILITY SET



- FEATURES:**
- FULL AMCA CLASS 1 OPERATION
  - VENTED MOTOR COVER FOR WEATHER PROTECTION
  - UL762 LISTED FOR RESTAURANT DUTY
  - UPBLAST DISCHARGE DIRECTS AIR AWAY FROM FLOOR
  - CONTINUOUSLY WELDED HOUSING
  - CLEANOUT DOOR WITH LATCHES PROVIDE EASY ACCESS WITHOUT TOOLS
  - 2" GREASE DRAIN WILL NOT CLOG

- OPTIONS:**
- HEAT SLINGER
  - SHAFT SEAL
  - EMERGENCY DISCONNECT SWITCH
  - VIBRATION ISOLATORS

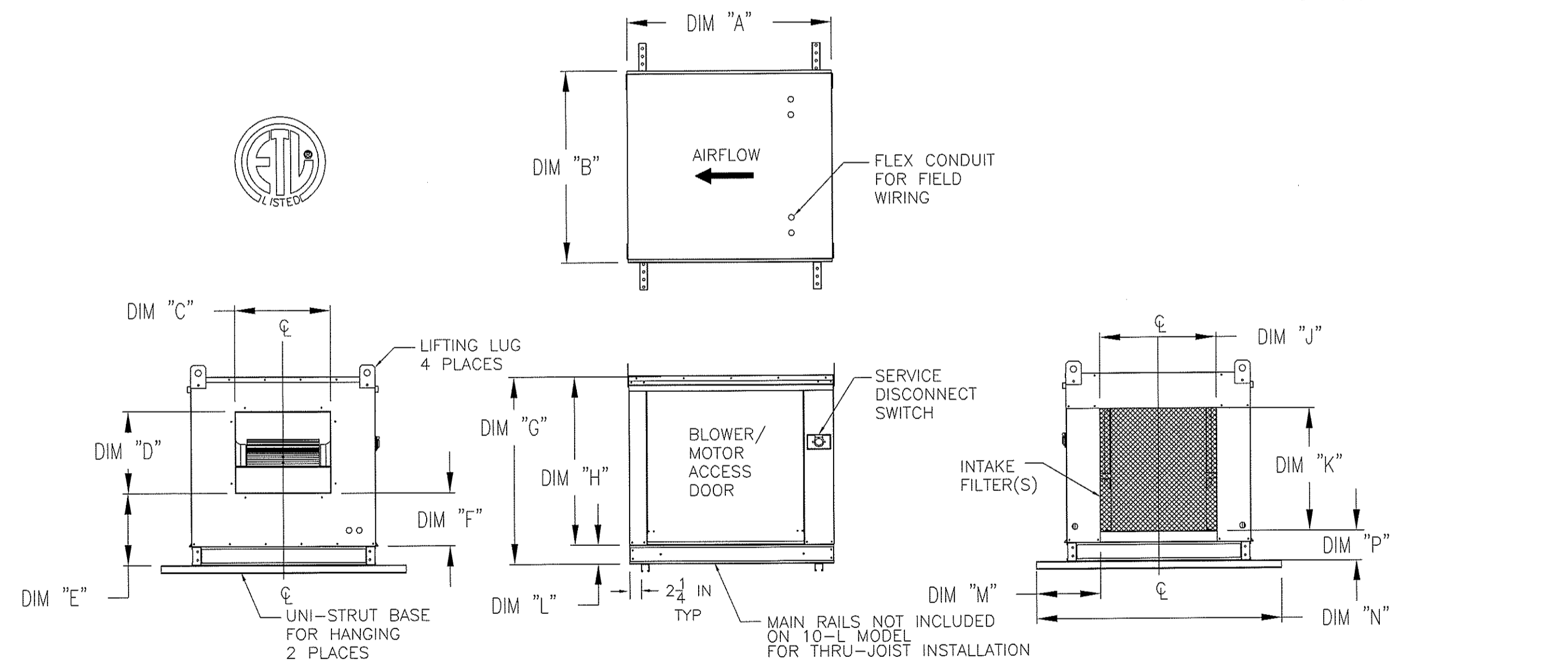
UL762 Utility Set REV#4 01/07/2005

GENERAL & RESTAURANT DUTY UTILITY SET DIMENSIONAL DATA

FAN MODEL	AU	D	E	F	G	H	K	O	P	S	T	V	SHAFT DIA.	APPROX SHIPPING (LBS)	HH	W	FF
BI10	23 5/8	11 5/16	8 1/4	27 3/4	15 1/4	21 5/16	13 3/16	11	17 1/4	11 3/4	11 7/16	N/A	3/4	90	10	4	36
BI12	30 1/16	13	9 7/8	33 1/4	20 1/16	29 1/8	16 9/16	12 7/16	21 1/8	11 1/2	14 11/16	13 1/8	1	165	10	4	36
BI13	30 13/16	14 3/8	10 3/4	34 1/8	20 1/16	29 1/8	16 9/16	14 3/8	21 1/8	11 1/2	14 11/16	14	1	170	10	4	36
BI15	31 13/16	15 3/4	12	35 3/8	20 1/16	29 1/8	16 9/16	15 7/8	21 1/8	11 1/2	14 11/16	15 1/4	1	180	10	4	48
BI16	34 11/16	17 5/8	13 1/8	36 1/2	22	31	16 7/16	17 3/8	21 1/8	11 1/2	14 11/16	16 3/8	1 3/16	200	10	4	48
BI18	35 13/16	19 3/8	14 1/2	37 7/8	22	31	16 9/16	19 3/8	21 1/8	11 1/2	14 11/16	17 3/4	1 3/16	220	10	4	48
BI20	42 15/16	21 1/4	15 3/4	46 7/16	28	40 7/8	25 1/4	21 1/4	27 11/16	14 5/8	22 3/4	19 3/4	1 3/16	405	10	4	60
BI22	44 3/8	23 5/8	17 5/8	48 5/16	28	40 7/8	25 1/4	23 5/8	27 11/16	14 5/8	22 3/4	21 5/8	1 3/16	430	10	4	60
BI24	49 13/16	26	19 3/8	51 5/16	32	46 1/2	29 15/16	26	28 15/16	18 9/16	25 1/2	23 3/8	1 7/16	490	10	4	60
BI27	51 7/16	28 5/8	21 1/4	53 3/16	32	46 1/2	28 15/16	28 5/8	28 15/16	18 5/16	25 1/2	23 3/8	1 7/16	525	10	4	60
BI30	64 11/16	31 3/4	23 5/8	57 5/8	43 5/16	64 3/4	43 3/8	31 3/4	32	17	41	28 9/16	1 11/16	800	10	4	69
BI33	65 5/8	34 7/8	26	60	43 5/16	64 3/4	43 3/8	35	32	17	41	30 15/16	1 11/16	875	10	4	69
BI36	68 13/16	38 5/8	28 3/4	62 3/4	43 7/16	64 3/4	43 3/8	38 3/4	32	17	41	33 11/16	1 15/16	915	10	4	69

INLINE FILTERED SUPPLY FAN

INLINE REV#8 12/23/2004



UNIT INFORMATION				UNIT DIMENSIONS													
BLOWER	FILTER SIZE	BLOWER SIZE	WEIGHT (lbs)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
10"-L	(1) 16IN x 20IN	10 IN	195	32 1/8	27 3/8	13 1/4	11 1/2	N/A	8 1/8	N/A	22 1/16	16	18	N/A	5 1/16	36	2 1/8
10"	(1) 16IN x 20IN	10 IN	220	32 1/8	27 3/8	13 1/4	11 1/2	11 13/16	8 1/8	29 3/4	26 1/16	16	18	3 3/4	5 1/16	48	5 3/4
12"	(1) 20IN x 25IN	12 IN	350	40 1/8	37 3/8	15 3/4	13 9/16	13 1/16	9 3/8	36 3/4	33 1/16	22 3/4	24	3 3/4	6 11/16	48	5 3/4
15"	(1) 20IN x 25IN	15 IN	375	40 1/8	37 3/8	18 3/4	16	14	10 5/16	36 3/4	33 1/16	22 3/4	24	3 3/4	6 11/16	48	5 3/4
18"	(2) 20IN x 25IN	18 IN	470	45 1/8	41 3/8	22	19	17 15/16	12 5/8	43 3/8	38 1/16	30	30	5 1/4	5 1/16	60	7 1/2

- NOTES:
- 1) ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.
  - 2) ACCESS DOORS LOCATED ON BOTH SIDES OF UNIT.
  - 3) INSULATED CONSTRUCTION.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

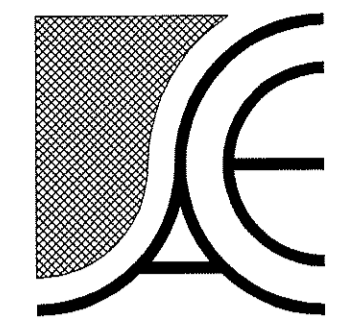
NFPA #96  
NSF  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001

FOR QUESTIONS, CALL THE  
PIEDMONT NORTH CAROLINA OFFICE  
LONNIE GRANT (REGIONAL MANAGER)  
PHONE: 336-996-8484, FAX: 336-996-0418  
EMAIL: reg30@captiveaire.com



JOB	COLORADO CAFE
LOCATION	GRAHAM, NC
DATE	4/5/2008
DWG #	COLORADOCAFE
REV.	1.00
JOB #	756091
DRAWN BY	LAG
SCALE	NTS

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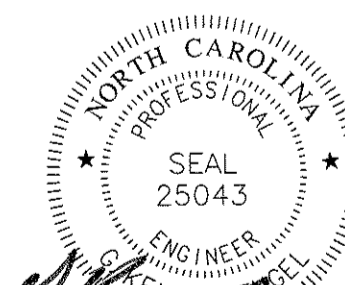


**Alamance Consulting Engineers**

200 N. Main St., Suite B  
Graham, N.C. 27253  
Phone: (336) 226-4117  
Fax: (336) 570-1926

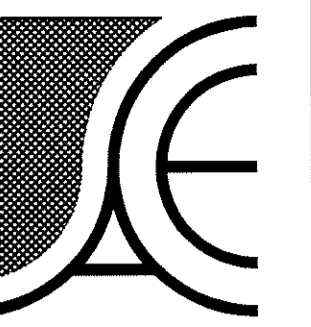
TENANT UPFIT FOR:  
**COLORADO CAFE**  
Gibsonville, North Carolina

DRAWING NAME  
HOOD DETAILS



DRAWN  
TGW  
CHECKED  
GAB  
DATE  
6/26/08  
SCALE  
AS NOTED  
JOB NO.  
7147  
SHEET

M-4

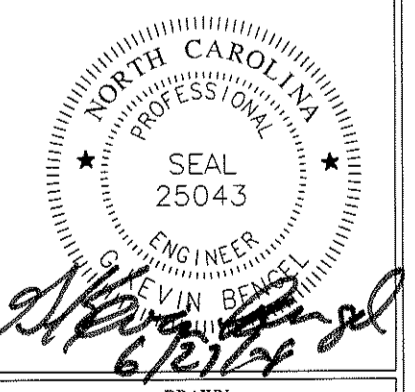


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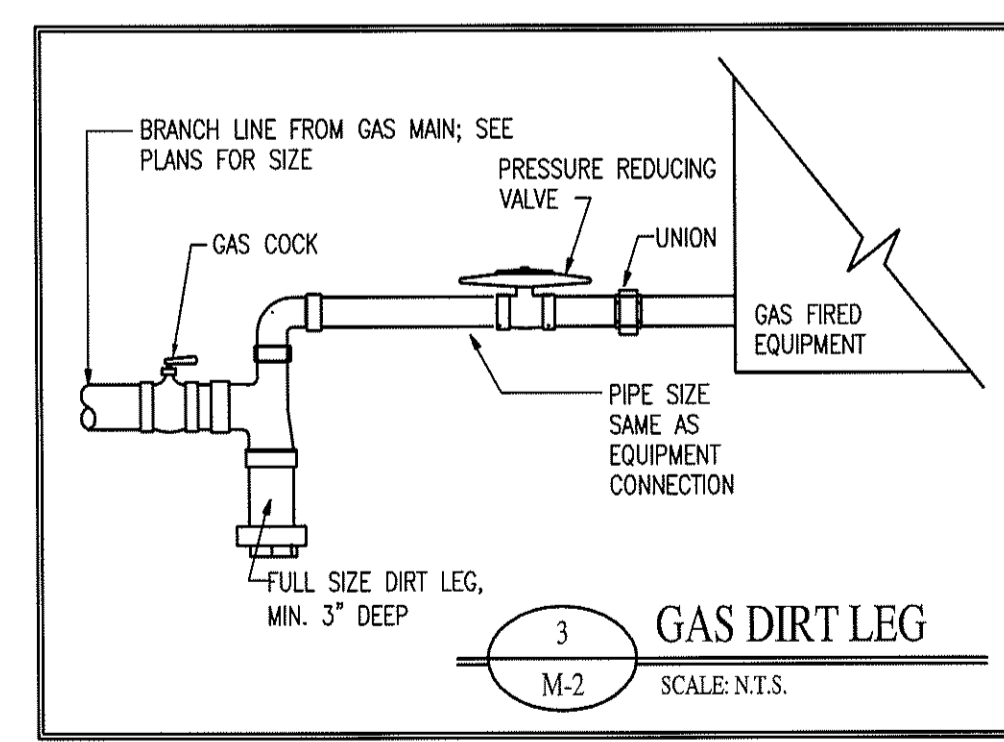
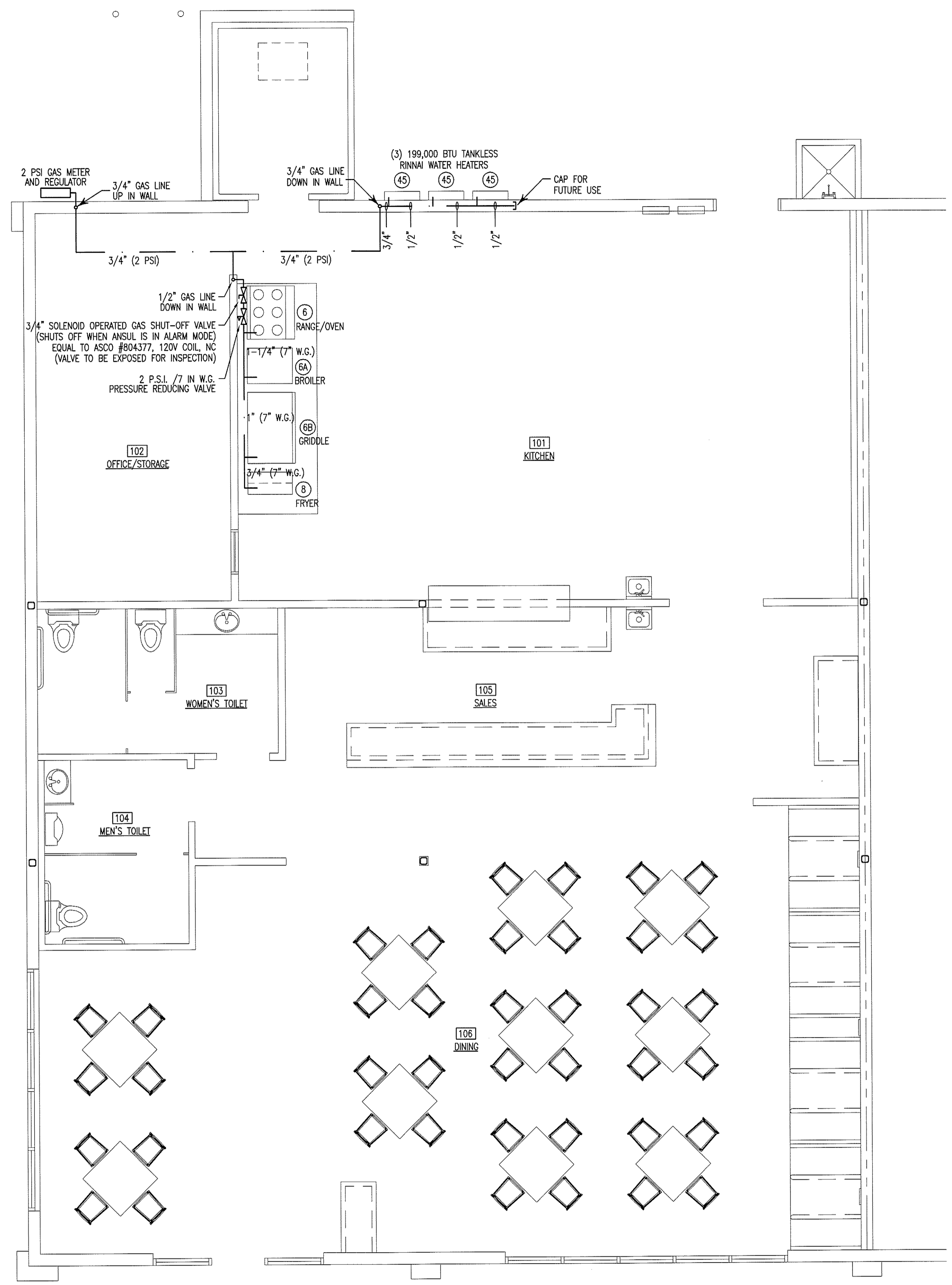
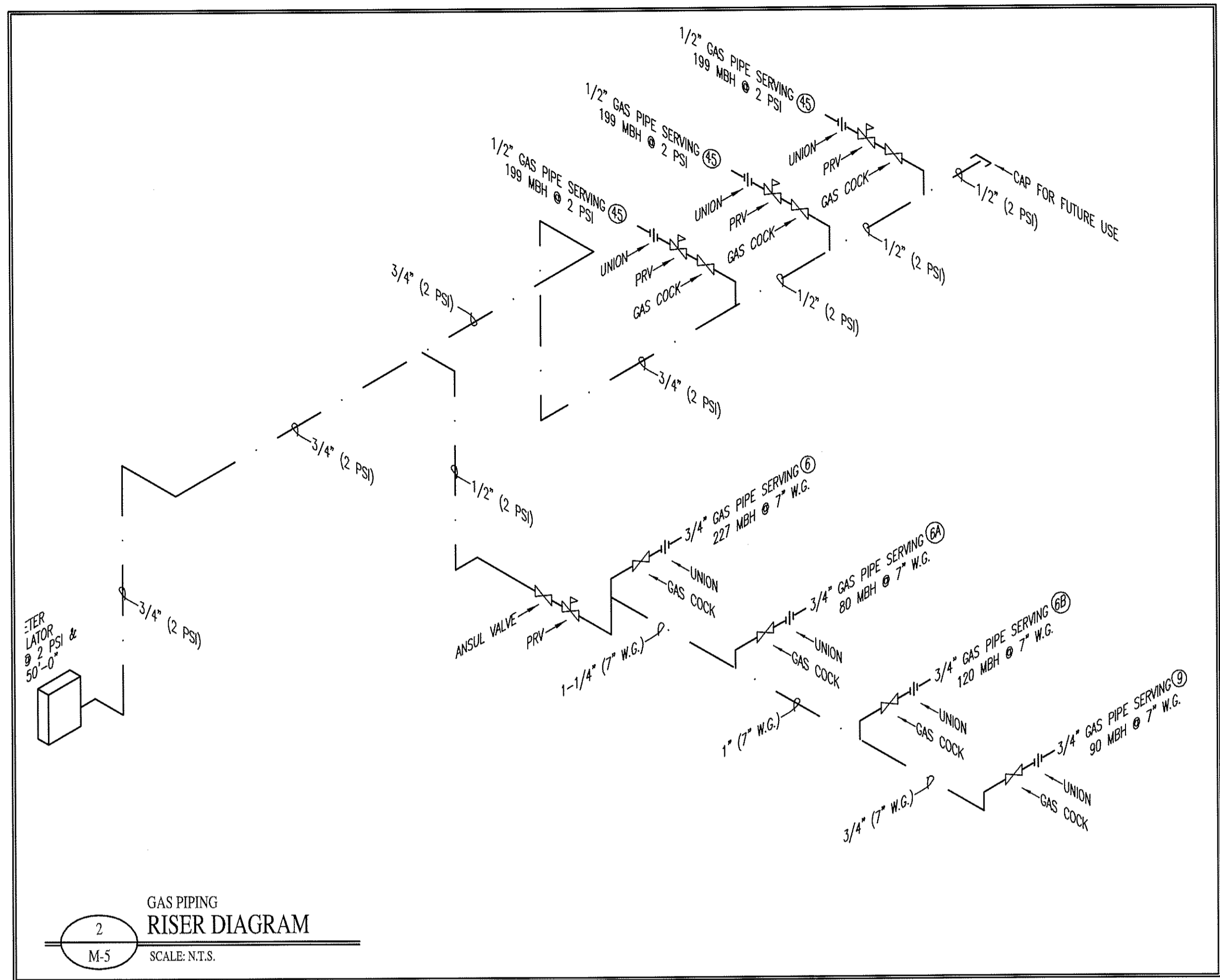
TENANT UPFIT FOR:  
**COLORADO CAFE**  
Gibsonville, North Carolina

DRAWING NAME  
GAS PIPING PLAN



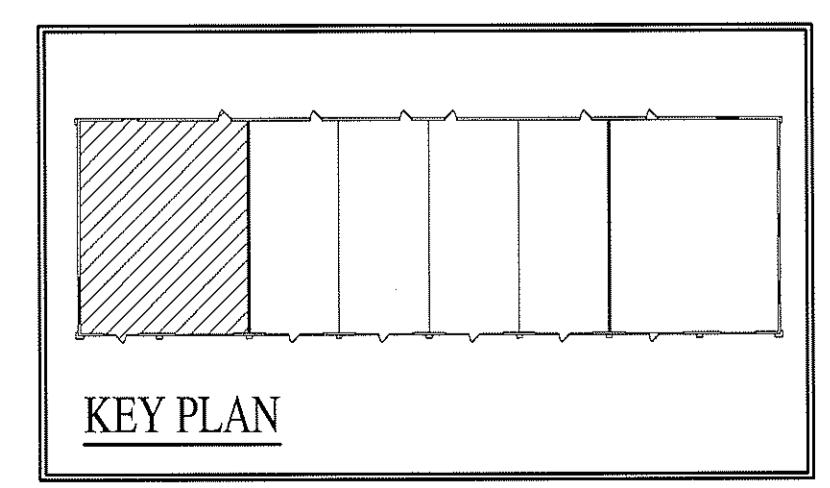
DRAWN: TGW  
CHECKED: Srd  
DATE: 6/26/08  
SCALE: AS NOTED  
JOB NO: 7147  
SHEET

**M-5**



GAS EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	BTU/hr. INPUT
6	RANGE/OVEN	227,000
6A	BROILER	80,000
6B	GRIDDLE	120,000
6	GAS FRYER	90,000
45	GAS WATER HEATER	199,000
45	GAS WATER HEATER	199,000
45	GAS WATER HEATER	199,000
TOTAL		1,114,000 @50' T.D.L.

WALL LEGEND	
SYMBOL	DESCRIPTION
[Hatched Box]	2-HOUR RATED FIRE PARTITION



PIPING LEGEND	
SYMBOL	DESCRIPTION
[Dashed Line]	GAS PIPING

WALL LEGEND	
SYMBOL	DESCRIPTION
[Hatched Box]	1-HOUR RATED FIRE PARTITION