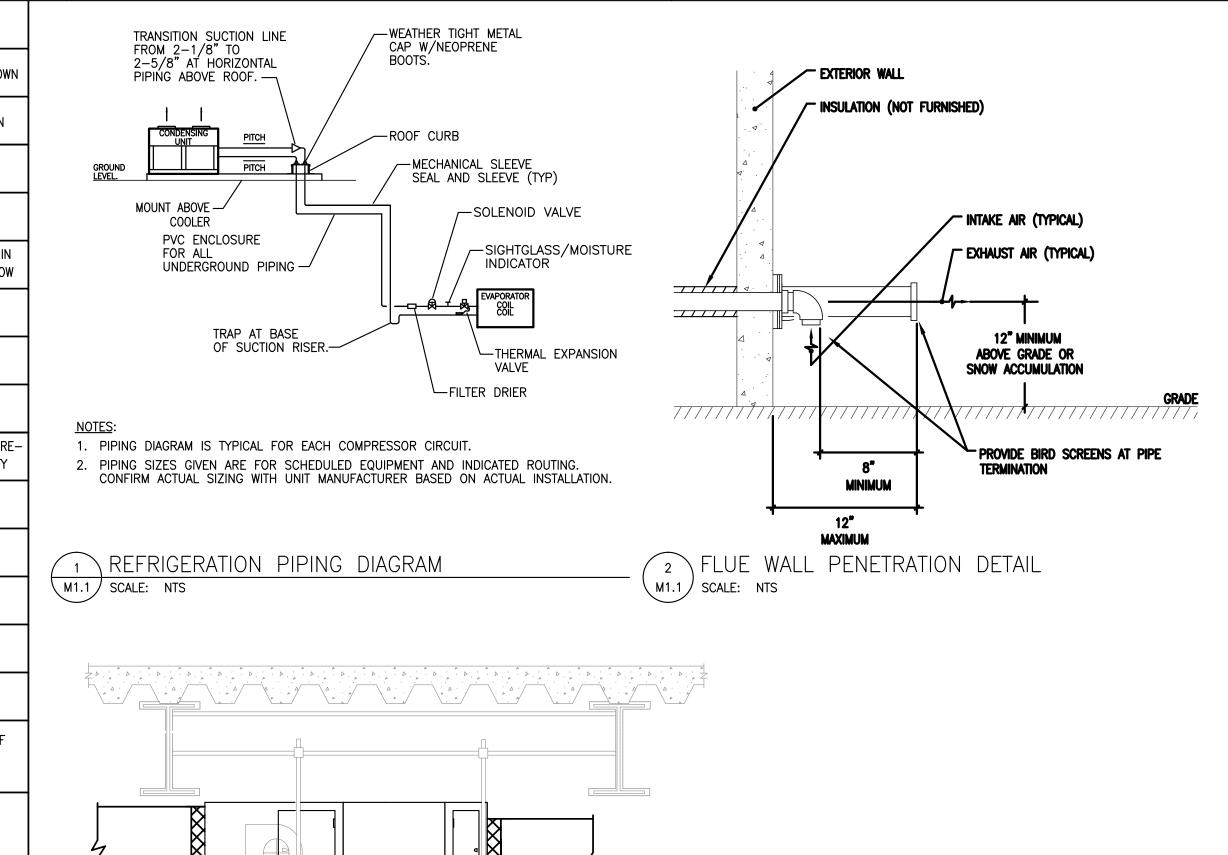
	PIPING SY	MBOL LIS	ST
\$—Ø	₩	ELBOWS/RISERS UF	P AND ELBOW/RISER DOWN
<i>⊱</i> ⊘	502 5€2	TEES, POINTING UF	P AND TEE, POINTING DN
\$	90 DEGREE ELBOW	<u> </u>	TEE
> ⊢	—S UNION	> [CAPPED PIPE
5	FLOW DIRECTION ARROW	۲ ۲	PITCH PIPE DOWN IN DIRECTION OF ARROW
Ф	BALL VALVE	∏ в	UTTERFLY VALVE
\bowtie	GATE OR GENERIC VALVE	◯ G	LOBE VALVE
ı₹ı	GAS COCK/PLUG VALVE	♦ B/	ALANCING VALVE
×	GAS COCK	I VN	ALANCING VALVE WITH PRE- ET BALANCING CAPABILITY
	CHECK VALVE	T PP PI	ete's plug
	VARIABLE FLOW VAI VF	F	LTER
P	PRESSURE GAUGE	(L) S.	TEAM TRAP
₽	PRESSURE/TEMPERATURE RELIEF VALVE	→ s	Trainer
	SUCTION DIFFUSER	I I X A I	TRAINER WITH LOW-OFF VALVE
×	NATURAL GAS PRESSURE REGULATOR OR PRESSURE REDUCING VALVE	/ \foralle{\sigma} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	TRAINER WITH BLOW-OFF ALVE, NIPPLES, AND APPED HOSE ADAPTER
艮	ELECTRICALLY OPERATED 2-WAY VALVE	▎	LECTRICALLY OPERATED -WAY VALVE



SUPPLY FAN—SECTION	CONNECT TO EXISTING—	
SUPPLY DUCT W FLEXIBLE CONNE	 MAKEUP AIR DUCT. INSTALL WITH FLEXIBLE CONNECTION.	

MAKEUP AIR UNIT DETAIL

M1.1 SCALE: NONE

	DIFFUSERS, REGISTERS, AND GRILLES														
TAG	SERVICE	TYPE	DAMPER AT	BLADE ANGLE	CONSTRUCTION	FINISH	MANUFACTURER	MODEL	NOTES						
			AIR TERMINAL	OR CORE	MATERIAL			(BASIS OF DESIGN)							
D-1	SUPPLY	REGISTER	OPPOSED BLADE	ADJUSTABLE	ALUMINUM	#26 WHITE	TITUS	300FL	1, 2, 3, 4, 5						
D-2	SUPPLY	12"x12" SQ. DIFFUSER	SEE NOTES	N.A.	STEEL	#26 WHITE	TITUS	TMS	1, 2, 3, 4, 5						
D-3	EXHAUST	12"x12" SQ. DIFFUSER	SEE NOTES	N.A.	STEEL	#26 WHITE	TITUS	OMNI	1, 2, 3, 4, 5						
D-4	RETURN	REGISTER	OPPOSED BLADE	ADJUSTABLE	ALUMINUM	#26 WHITE	TITUS	350FL	1, 2, 3, 4, 5						
NOTES:															

- 1. FURNISH AND INSTALL VOLUME DAMPER FOR AIR FLOW BALANCING PURPOSES IN EACH DUCT TAKE-OFF TO A DIFFUSER, REGISTER OR GRILLE.
- 2. PROVIDE OPPOSED BLADE DAMPER OR REMOTELY OPERATED VOLUME DAMPER PER THE SPECIFICATIONS, FOR DIFFUSERS LOCATED IN CEILINGS
- THAT WILL NOT ALLOW ACCESS TO THE VOLUME DAMPER IN THE DUCT TAKE-OFF (SEE NOTE 1).

(2)L1,250,8ø,2-24,1W

— THROW

— LENGTH - NO. SLOTS — NECK SIZE

> — TYPE - QUANTITY

(2)D1,250,10×10,2W

—— THROW - NECK SIZE

– QUANTITY

THROW IS 4-WAY UNLESS INDICATED OTHERWISE THROW IS 2-WAY UNLESS INDICATED OTHERWISE

- 3. COORDINATE BORDER TYPES, PLASTER FRAMES, & MOUNTING METHODS WITH THE CEILING TYPE/WALL CONSTRUCTION AT EACH DIFFUSER, REGISTER, & GRILLE LOCATION. 4. FURNISH AND INSTALL DIFFUSERS, REGISTERS, AND GRILLES MANUFACTURED BY ONE OF THE FOLLOWING MANUFACTURERS:
- TITUS, PRICE, CARNES, KRUEGAR, METALAIRE, OR NAILOR.
- 5. FINAL DIFFUSER COLORS SHALL BE AS INDICATED ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

				VENT	TLATION	SCHED	ULE			
			MECHA	EQUIRED ANICAL ATION		ECHANICAL _ATION		sys ⁻	EMS	
ROOM No.	ROOM NAME	FLOOR AREA (SF)	SUPPLY AIR (CFM)	EXHAUST AIR (CFM)	SUPPLY AIR (CFM)	EXHAUST AIR (CFM)	ROOM FUNCTION	SUPPLY	EXHAUST	
	101 DINING AREA	825	1240	1240	1247	NOTE 1	DINING ROOM - PUB NO EQUIP.	AHU-1	KEF-1	
	102 SERVICE AREA	135	162	162	NO ⁻	TE 2	WORK ROOM	MAU-1	KEF-1	
	103 COOKING AREA	155	190	620	3125	3800	KITCHEN - PUBLIC	MAU-1	KEF-1	
	104 PREP AREA	180	216	216	NOTE 3	525	WORK ROOM	MAU-1	KEF-1	
	105 STORAGE AREA	110	N.R.	N.R.	0	0	STORAGE - INACTIVE	-	-	
	106 CLEANING AREA	100	120	120	203	NOTE 4	WORK ROOM	AHU-1	KEF-1	
	108 OFFICE AREA	105	65	50	NO ⁻	TE 5	OFFICE	AHU-1	KEF-1	
	109 MEN'S TOILET	60	N.R.	120	0	120	RESTROOM	-	TEF-1	
	110 WOMEN'S TOILET	65	N.R.	130	0	130	RESTROOM	-	TEF-1	
	111 HALL	65	N.R.	N.R.	0	0	CORRIDOR	-	-	
	TOTALS:	1,800	1,993	2,658	4,575	4,575		•	•	

- 1. 1247 CFM EXHAUST TRANSFER TO COOKING AREA 103.
- 2. 162 CFM SUPPLY RELIEF FROM COOKING AREA 103 & 162 CFM EXHAUST TRANSFER TO COOKING AREA 103.
- 3. 216 CFM SUPPLY RELIEF FROM COOKING AREA 103.
- 4. 120 CFM EXHAUST TRANSFERRED TO PREP AREA 104.
- 5. 65 CFM SUPPLY TRANSFERRED FROM CLEANING AREA 106 & 65 CFM EXHAUST TRANSFERRED TO PREP AREA 104.

TOTAL ACTUAL CONTINUOUS	4,575				
TOTAL CONTINUOU	-				
	? YES				
The total actual continuous exhaust cfm must be	e between 90%				
and 100% of the code required outside air.					
HEATING SCH	EDULE				
CODE VEN	TILATION CFM:	1,993			
ACTUAL OUTSIDE AIR CFM (MIN. 33-1/	3% OF ABOVE):	4,575			
VENTILATIO	397				
BUILDIN	68.7				
TOTAL HEATIN	466				
HEATING EQUIPMENT	OUTPUT				
OUTPUT CAPACITY (MBH)	TAG	(MBH)			
OUTFUT CAFACITT (WIDIT)					
COTFOT CAPACITY (MISH)	AHU-1				
COTFOT CAFACITT (MIDIT)	MAU-1	304			
OUTFOT GAP ACITT (MIDIT)		304 104			
OUTFUT CAPACITT (MIDIT)	MAU-1	304 104			
TOTAL HEATING EQUIP. OUT	MAU-1 WSHP-1 WSHP-2	304 104 104			
· ,	MAU-1 WSHP-1 WSHP-2	304 104 104			
TOTAL HEATING EQUIP. OUT	MAU-1 WSHP-1 WSHP-2 PUT CAPACITY:	126 304 104 104 638			
· ,	MAU-1 WSHP-1 WSHP-2 PUT CAPACITY:	304 104 104 638			

outside temperature is minus 10° F.

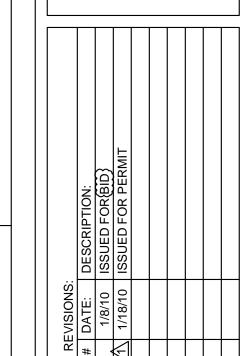
Owner, Contractor or Owner's licensed engineer representative.

PRESSURIZATION SCHEDULE

ACTUAL OUTSIDE AIR CFM (MIN. 33-1/3% OF ABOVE):

CODE VENTILATION CFM:

	MAKE UP AIR UNIT (MUA) SCHEDULE																					
TAG	AREA	HEATING - NATURAL GAS						SUPPLY FAN				FILTER		ELECTRICAL			WEIGHT	MANUFACTURER	MODEL	NOTES		
	SERVED MBH MBH EAT LAT STAGES AGA			AGA	CFM	MIN OA	TYPE	DRIVE	E.S.P.	MOTOR	TYPE	THICKNESS	VOLTS/PH/HZ	MCA	MOCP	1		(BASIS OF DESIGN)	1			
		INPUT	OUTPUT	DB	DB		EFF (%)		CFM		TYPE	(IN. WC)	(H.P.)		(IN.)							1
MUA-1	KITCHEN	550.0	332.0	-10.0	77.4	2	60%	3,500	3,500	FC	BELT	1.00	3.00	DISPOSABLE	2	208-3-60	12.0	15	915	RUPP AIR	D500-G15	1
NOTES:	OTES:																					
1.	PROVIDE MAKE	UP AIR UNIT	rs with 2 Po	NOITIEC	OUTSI	DE AIR DAM	IPERS (OPI	EN-CLOSE	E) AND WE	ATHER H	OODS.											



PHONE: 815-369-9155 FAX: 815-369-4495 WWW.LINGLEDESIGN.COM

WEST MAIN STREET LENA, IL 61048 158

NGLE DESIGN GROUP,IN

1488 Bond Street, Suite 100
Naperville, Illinois 60563–6503
(P) 630.357.0164
ILLNOIS LICENSE NO. 184–001442
LEI Comm. No. 24090046.000
COPYMENT ® 2010

e G

aine

© ALL DRAWINGS AND WRITTEN MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF THE ARCHITECT. THEY MAY NOT BE REVISED, COPIED,

REUSED, OR DISCLOSED IN ANY MANNER WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT.

PROJECT NUMBER: 09-116 DRAWN BY: CHECKED BY:

MECHANICAL SYMBOLS **DETAILS** & SCHEDULES

SHEET NUMBER:

