
Fwd: [External] HVAC Requirement Question

From Karen Coyne <kcoyne@warnernh.gov>

Date Thu 9/10/2026 9:36 AM

To Barak Greene <bgreene477@gmail.com>; Pier D'Aprile <warnerpb@icloud.com>; JamesG Gaffney <james.gaffney17@protonmail.com>; John Leavitt <joleavitt62g@gmail.com>; Michael Smith <msmith@warnernh.gov>; Micah Thompson <micahsthompson@gmail.com>; Bob Holmes <bobholmes1953@gmail.com>

Cc Landuse Secretary <landuse@warnernh.gov>

 5 attachments (3 MB)

Samsung_AM060FEZDCGAA_Submittal.pdf; Samsung_AM060FCMDCG_AA_Specification_Sheet.pdf; REV.1 Lot 40 Old Warner Lane - Calculations - Natural Ventilation..pdf; NP_Prelims_July152026.pdf; image.png;

Internal (kcoyne@warnernh.gov)

[Safe](#) [Spam](#) [Phish](#) [More...](#) [FAQ](#) [Protection by INKY](#)

FYI for Monday's hearing

Best Regards,
Karen Coyne
Chair, Warner Planning Board

Begin forwarded message:

From: Jason Ferguson <jason@nhhvacinc.com>

Date: September 10, 2026 at 9:33:14 AM EDT

To: Karen Coyne <kcoyne@warnernh.gov>, Work <ethan@naturalplaygrounds.com>

Cc: Elizabeth Labbe - Assessing <assessing@warnernh.gov>, Traci Beaurivage <traci@nhhvacinc.com>

Subject: Re: [External] HVAC Requirement Question

This email originated from outside of the organization. Do not click links or open attachments unless you are 100% sure that it is safe.

Hello All,

Please find the attached submittals for the HVAC equipment we are looking to install at 40 Old Warner Lane.

I have also attached the BTU load calculations for the space and the building specs.

The Heating BTU calculation is 358,000 BTUs

We are proposing to install (6) 60k Btu heat pumps totaling 360,000 BTUs

Feel free to contact me on my cell with any questions.

Jason Ferguson
Vice President of Operations
Cell: 603-513-9581

From: Karen Coyne <kcoyne@warnernh.gov>
Sent: Wednesday, September 9, 2026 8:42 PM
To: Work <ethan@naturalplaygrounds.com>
Cc: Elizabeth Labbe - Assessing <assessing@warnernh.gov>; Jason Ferguson <jason@nhhvacin.com>; Traci Beaurivage <traci@nhhvacin.com>
Subject: Re: [External] HVAC Requirement Question

Ethan,
Forgive me, I missed this, as the topic of HVAC appeared to be spam.
Let me see if I can find contact info for Scott. I have not met him personally, and I believe the assessing email here is Elizabeth Labbe's.

Elizabeth, do you happen to have direct contact information from Scott?

Best Regards,
Karen Coyne
Chair, Warner Planning Board

On Sep 9, 2026, at 8:36 PM, Work <ethan@naturalplaygrounds.com> wrote:

This email originated from outside of the organization. Do not click links or open attachments unless you are 100% sure that it is safe.

SAMSUNG

SUBMITTAL DATA

AM060FEZDCG/AA Multi-Position Air Handler (MPAH), R-32 DVM S Indoor Unit

Job Name: _____

Purchaser: _____

Submitted to: _____

Unit Designation: _____

Location: _____

Engineer: _____

Reference ☐ Approval ☐ Construction ☐

Schedule #: _____

General Information

- Compatible with R-32 DVM S2+, DVM S+ Water, and DVM S Mini systems
- The system shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.

Construction

- Insulated, galvanized steel.

Refrigerant System

- The heat exchanger shall be mechanically bonded aluminum fin to copper tube.
- Refrigerant flow shall be controlled by electronic expansion valve at the indoor unit
- The indoor unit shall include an R32 alarm output plug for simple notification or interlock of third-party equipment upon R32 leak detection (MIM-B14U accessory required).

Indoor Fan

- Three fan speeds and auto setting

Controls

- Control wiring shall be 2 X16 AWG wire.
- The unit shall be operated via a wired remote controller model MWR-WG01UN, purchased separately.
- Dual set temperature support when connected to supported controllers.
- Wired or wireless controllers must be purchased separately.

External Heat Control

- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat (MIM-B14U accessory required when controlling heating devices other than VHK-***C electric heat kits).
- External heat control configuration settings include outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (MIM-B14U accessory required when controlling heating devices other than VHK-***C electric heat kits).
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating (MIM-B14U accessory required when controlling heating devices other than VHK-***C electric heat kits).



- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating

Convenience

- Emergency Temperature Output (ETO) function: when indoor unit is in error status or when room temperature exceeds configurable temperature level, the system outputs a signal to an external source, e.g., backup system, building management system, alert device (ex: status light, warning lamp, buzzer).



Specifications AM060FEZDCG/AA

Model	Indoor Unit Model Number		AM060FEZDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	60,000
		Heating (Btu/h)	64,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	2.74
		Heating (A)	2.74
	MCA	A	7.5
	MOP	A	15
Evaporator Fan	Type		Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
	Consumption	Watts	590
	External Static Pressure	Standard ("WC)	0.40
		Min. / Max. ("WC)	0.1 / 1
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	1,113 / 1,391 / 1,769
		Heating (CFM)	1,113 / 1,391 / 1,769
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Refrigerant	High side	3/8
		Low side	3/4
	Condensate		3/4" FNPT
Dimensions	W X H X D	In.	24 1/2 X 58 11/16 X 21 13/16
	Weight	lbs.	175.00
	Duct Connections (W X H)	Supply (in.)	22 X 14 1/4
		Return (ID, in.)	24 1/2 X 21 13/16
Sound Pressure Level	Low / Med. / High	dB(A)	42 / 44 / 46
Safety	Certifications		UL 60335-2-40

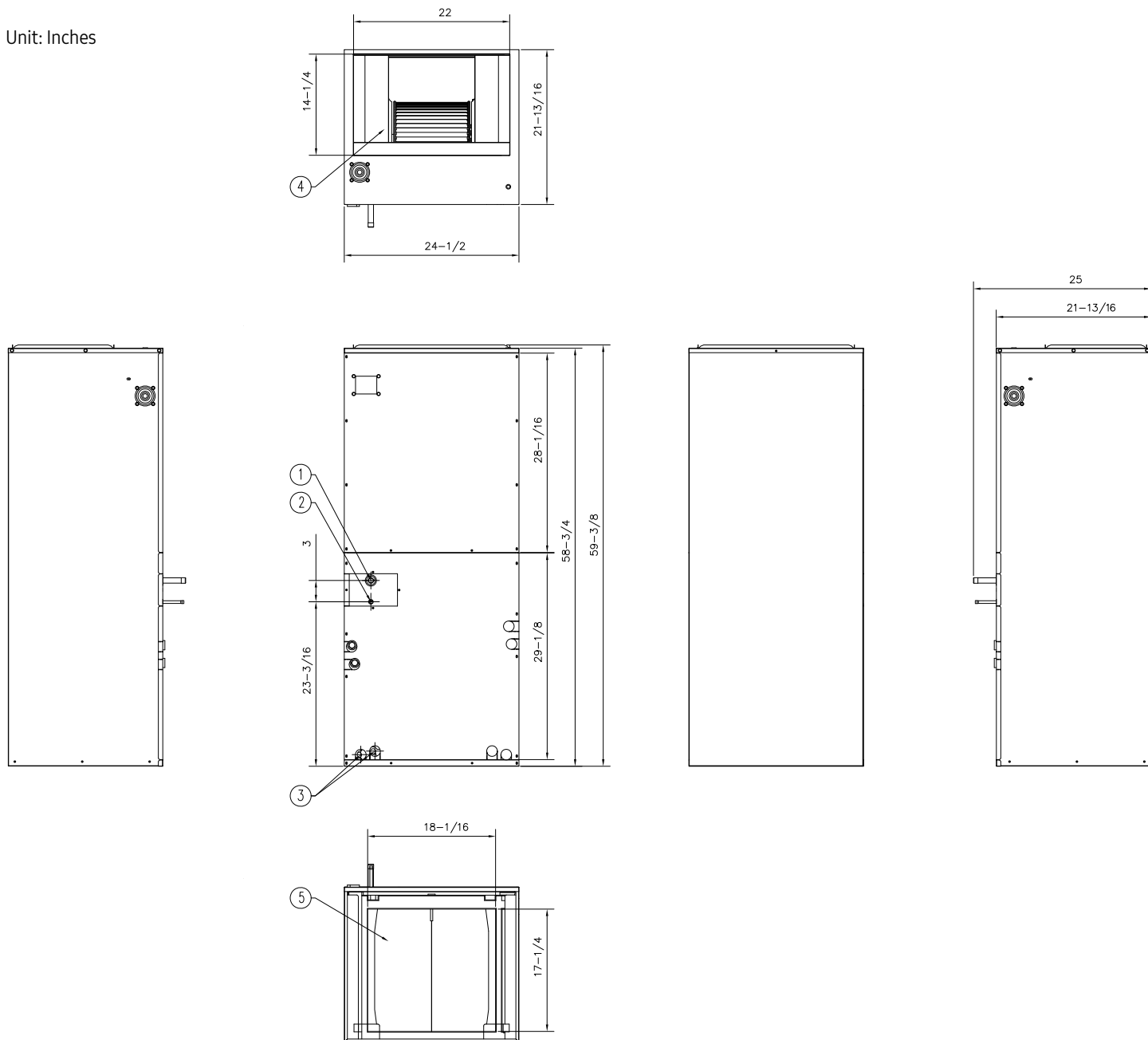
Accessories AM060FEZDCG/AA

Filter box		☐	VFB-3
Downflow kit		☐	VDK-3W
Wired controller	Advanced	☐	MWR-WG01UN
	Touchscreen	☐	MWR-SH12UN
Thermostat adapter (for connection to standard 24VAC thermostats)		☐	MIM-A60UN
Wireless signal control	Wireless signal receiver	☐	MRK-A10UN
	Wireless controller	☐	AR-CH01U
External temperature sensor		☐	MRW-TAU
External contact control interface module		☐	MIM-B14U
CN83 Pigtail (for 12VDC VENT output)		☐	DB39-01263A
Supplemental electric heat kit	5kW	☐	VHK-305C
	10kW	☐	VHK-310C
	15kW	☐	VHK-315C
	20kW	☐	VKH-320C

Dimensional Drawing

AM060FEZDCG/AA

Unit: Inches



No.	Description
1	Gas pipe connection (braze) (3/4)
2	Liquid pipe connection (braze) (3/8)
3	Drain pipe connection
4	Air outlet opening
5	Air inlet opening

SAMSUNG

SUBMITTAL DATA

AM060FCMDCG/AA DVM S Mini Series, Heat Pump Condensing Unit

Job Name: _____

Location: _____

Purchaser: _____

Engineer: _____

Submitted to: _____

Reference ☐ Approval ☐ Construction ☐

Unit Designation: _____

Schedule #: _____

General Information

- Compatible with Samsung R-32 DVM S indoor units (AM*****DCG/AA) and upcoming R-32 Universal Communication Kit.
- Active AI control enhances operational performance: AI Low Pressure Control can improve cooling speed up to 21%; AI High Pressure Control reduces unnecessarily high pressures, improving efficiency and reducing power consumption.
- Auto-restart after power loss
- Soft-start compressor minimizing current inrush

Construction

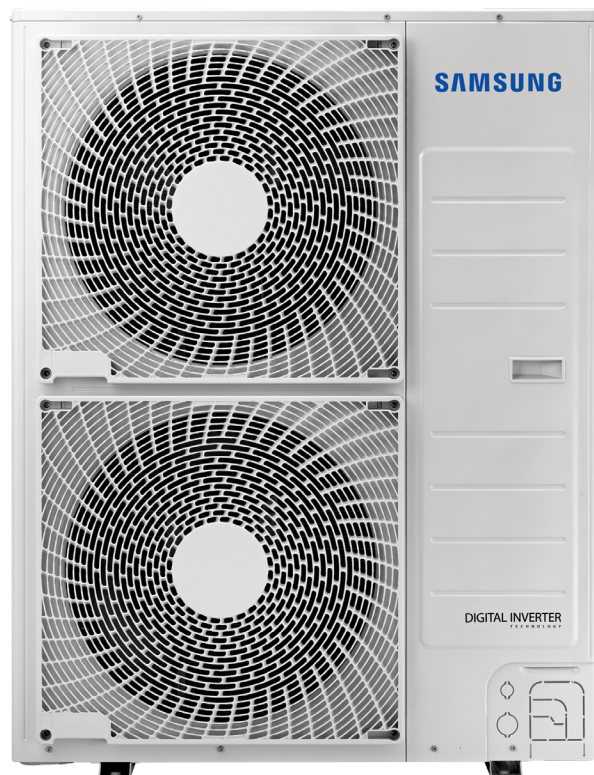
- Galvanized steel with a baked-on powder coated finish for durability.
- The heat exchanger shall be mechanically bonded aluminum fin to copper tube.

Refrigerant System

- The system shall utilize low-GWP R-32 refrigerant
- The compressors shall be hermetically sealed, inverter driven, flash injected scroll type.
- The outdoor unit shall pump down the refrigerant in the event an indoor unit detects a refrigerant leak. The sequence of operations shall include closing refrigerant isolation valves at the end of the pump down process to secure as much refrigerant as possible in the outdoor unit in the event of refrigerant leakage within an indoor door unit.
- Refrigerant flow shall be controlled by an EEV (electronic expansion valve) throughout the system.
- A flat plate subcooler device will improve capacity at extreme system refrigerant pipe lengths and reduce refrigerant noise.
- The system shall include an R32 alarm output plug on the indoor unit and outdoor unit for notification of R32 leak when an indoor unit refrigerant leak detector detects a leak (MIM-B14U accessories are required).

Controls

- Control wiring shall be 2 X 16 AWG wire.
- No additional interface modules/adapters are required when connecting to Samsung central control options.



Convenience

- The outdoor unit shall have snow accumulation prevention option setting to prevent snow drifting against an idle outdoor unit.
- Night-time Quiet Mode: reduction of operational sound during evening hours (automatic or manual activation).
- Maximum Current Control configurable from 50% - 100% via outdoor unit, wired controller or central control.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor or visit www.energystar.gov.

Specifications AM060FCMDCG/AA

Model	Outdoor Unit Model Number (US Code)		AM060FCMDCG/AA
Performance	Rated Capacity*	Cooling (Btu/h)	60,000
		Heating (Btu/h)	66,000
	Heating Capacity at 5°F OA, 70°F Indoor DB (Btu/h, Ducted)		47,000
	SEER2 (Ducted / Mixed / Non-ducted)		16.5 / 18.25 / 20
	EER2 (Ducted / Mixed / Non-ducted)		10 / 11 / 12
	HSPF2 (Ducted / Mixed / Non-ducted)		9.5 / 9.85 / 10.2
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253
	Nominal Current**	Cooling (A)	26.5
		Heating (A)	25.6
	Max. Breaker	Amps	40
	Min. Circuit Ampacity	Amps	32
Dimensions	W X H X D	In.	37 x 55-15/16 x 13
	Weight	lbs.	243.60
Sound Pressure Level	Cooling / Heating (high)		55 / 57
Operating Temperatures	Outdoor	Cooling	23 - 118°F (-5 - 48°C)
			0 - 118°F (-18 - 48°C) W/Baffle
		Heating	-22 - 75°F (-30 - 24°C)
Pipe Connections	High side		3/8
	Low side (suction)		3/4
	Max. Distance - ODU to IDU	ft.	492 (574 equivalent)
	Max. Line Set Length (total)	ft.	984
	Max. Vertical Separation	Outdoor to indoor (ft.)	IDU above ODU: 131, ODU above IDU: 164
		Highest to lowest indoor (ft.)	49
Refrigerant	Type		R-32
	Control Method		Electronic Expansion Valve (D)
	Factory Charge	oz.	105.8
Compressor	Type		Flash Injected, Inverter Driven Scroll
	RLA	Amps	19.3
Condenser Fan	Type		BLDC With Axial Type Fan (2)
	MOC / Watts / CFM (max.)		1.2 / 125W X 2 / 4,415
Corrosion Prevention	ISO-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 3,000 hours.		
Safety	Certifications		UL 60335-2-40
	Devices	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	

*Standard capacity is based on non-ducted rated capacity. Minimum and maximum capacity will vary based on connected indoor unit type, capacity, and quantity along with indoor and outdoor temperatures. Refer to system capacity tables for full capacity details.

**Rated current based on highest combination ratio of non-ducted indoor units.

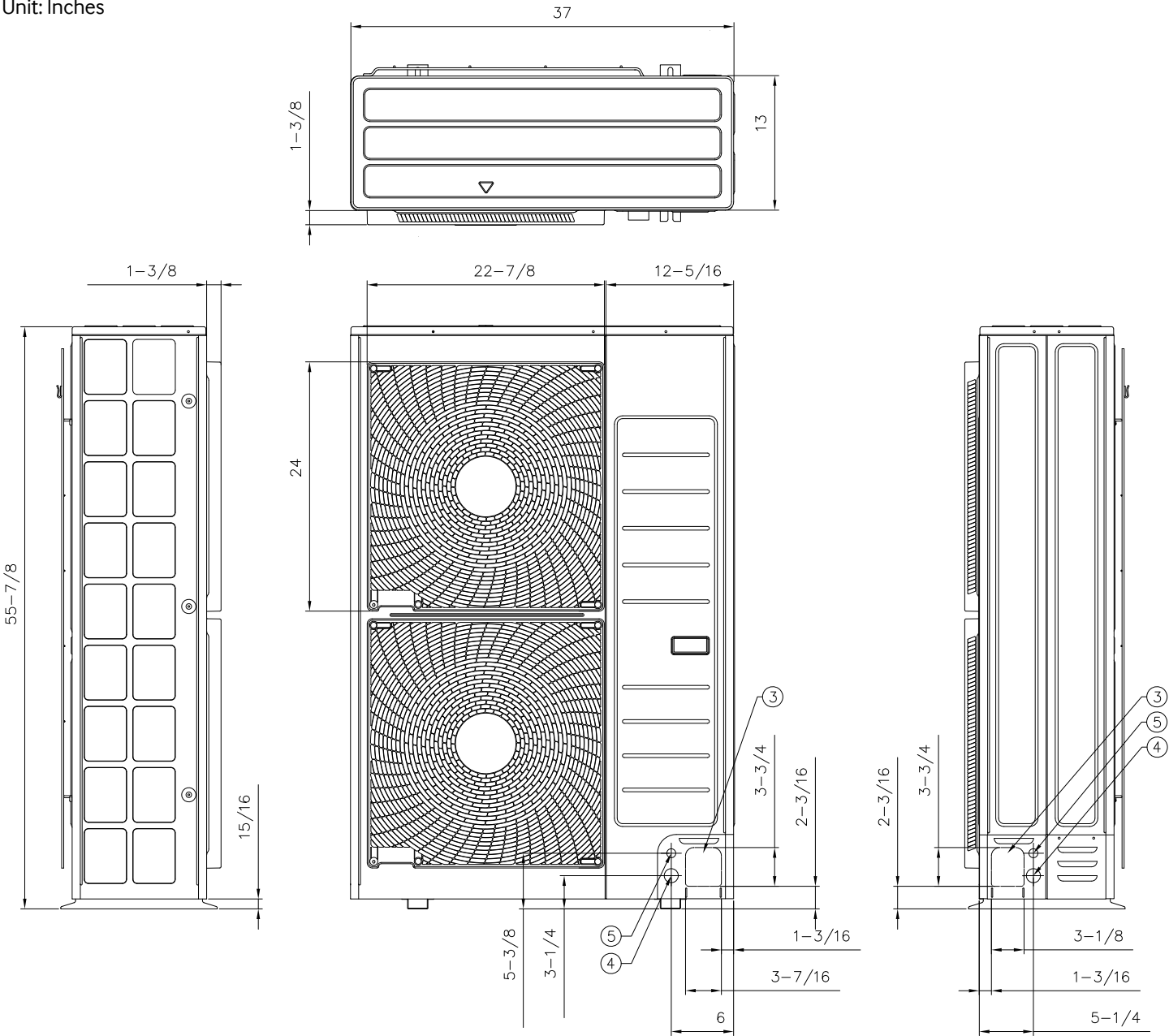
Accessories AM060FCMDCG/AA

Wind baffles	Front	☐ WBF-8M
	Back	☐ WBB-8M
Hail guard kit (includes back and side guards)		☐ HGK-8
Mode selector switch for HP systems		☐ MCM-C200U
Base pan heater kit		☐ MHC-015EEU
External contact control interface module (operation and error output, night silent mode manual activation)		☐ MIM-B14U
Wall bracket		☐ CKN-250

Dimensional Drawing

AM060FCMDCG/AA

Unit: Inches

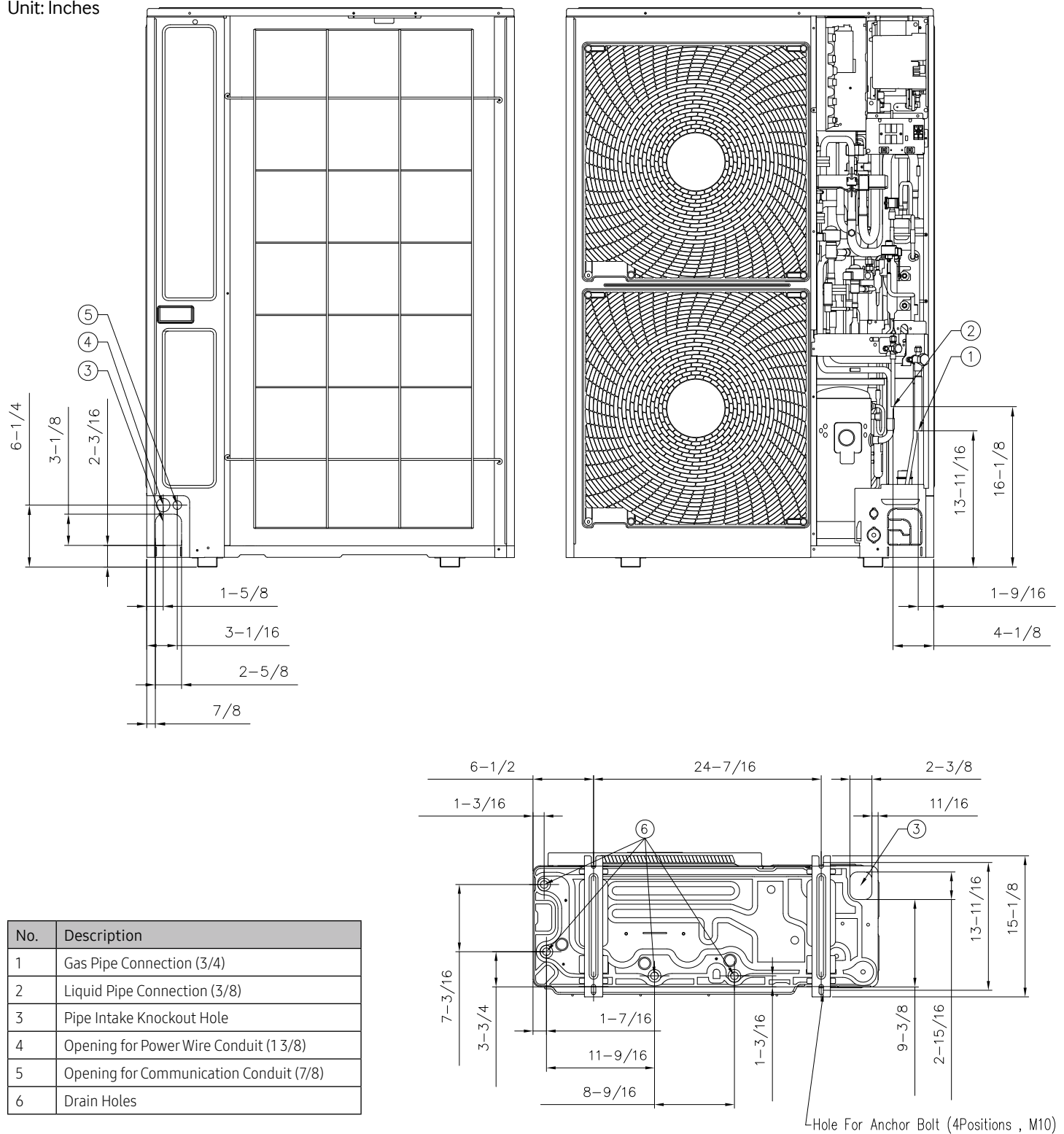


No.	Description
3	Pipe Intake Knockout Hole
4	Opening for Power Wire Conduit (1 3/8)
5	Opening for Communication Conduit (7/8)

Dimensional Drawing

AM060FCMDCG/AA

Unit: Inches



HOOKSET, NH

Project Information

 For: LOT 40 OLD WARNER LANE
 LOT 40 OLD WARNER LANE, WARNER, NH

 I.M.C Section 402 Natural Ventilation.
 The minimum openable door area to the outdoors
 exceeds 4% of the floor area.
 4% of the floor area = 750 sq. ft.
 Project total door area = 785 sq. ft.

Zone: Two Zones

LWH: 150.0 x 125.0 x 20.0

1. DESIGN CONDITIONS - COOLING

(Jul 1700 LDT)

Outdoor Conditions	—>	Dry Bulb	89	RH	44	Moisture	Range	23	Wet Bulb	72
Indoor Conditions	—>		75		50					62
TOD Correction	—>		1							

Difference		14	26.8
------------	--	----	------

[Mult = 1.0] —

2. GLAZING SOLAR HEAT GAIN

(Lat = 43.21 °N, Const Wt = M)

Type	Orien	Area	Tilt	ShdF	IntShd	SCMult	SC	Sens/A	Sens
GLAZ-01	n	36	90	—	n	1.00	0.46	13.9	501
GLAZ-02	e	12	90	—	n	1.00	0.46	26.7	320
GLAZ-03	s	0	90	—	n	1.00	0.46	0	0
GLAZ-04	w	0	90	—	n	1.00	0.46	0	0

3. TRANSMISSION GAINS

Type	Orien	GrArea	NtArea	Uval	Grp	CLTD	Shad	Clr	Sens
GLAZ-01	n	36	36	0.300		10.7	N	-	617
GLAZ-02	e	12	12	0.300		10.7	N	-	359
GLAZ-03	s	0	0	0.300		-27	N	-	0
GLAZ-04	w	0	0	0.300		-27	N	-	0
WALL-01	n	2700	2639	0.040	A	5.0	N	m	528
WALL-02	n	0	0	0.060	B	-22	N	m	0
WALL-03	e	2500	1984	0.040	A	16.1	N	m	1280
WALL-04	e	0	0	0.060	B	-23	N	m	0
WALL-05	s	2700	2444	0.040	A	11.0	N	m	1073
WALL-06	s	0	0	0.060	B	-4.1	N	m	0
WALL-07	w	2500	2500	0.040	A	12.0	N	m	1197
WALL-08	w	0	0	0.060	B	-14	N	m	0
DOOR-01	n	25	25	0.341		10.7	-	-	91
DOOR-02	n	0	0	0.341		0	-	-	0
DOOR-03	e	0	0	0.341		6.6	-	-	0
DOOR-04	e	504	504	0.341		10.7	-	-	1839
DOOR-05	s	25	25	0.341		10.7	-	-	91
DOOR-06	s	231	231	0.341		10.7	-	-	843
DOOR-07	w	0	0	0.341		0	-	-	0
WALL-09	-	0	0	0.088		0	-	m	0
FLOR-01	-	1875	1875	0		0	-	-	0
CEIL-01	-	21600	21600	0.020	RC-1	25.0	-	m	10800

4. INTERNAL HEAT GAIN PEOPLE

Activity Schedule	ft²/prsn	#	Total people	Sensible Btuh/prsn	Latent Btuh/prsn	Sens	Latent
Factory 8ato8p	0	15	15	375	625	5625	9375
	0	0	0	0	0	0	0

LIGHTS

Lamp/blst + fixture Schedule	W/ft²	W	Total W	Factor	Space fract	Sens
Fluor MB + Rec trof 8ato8p	1.30	0	24375	1.20	1.0	99830
Fluor MB + Rec trof	0	0	0	1.20	1.0	0
Fluor MB + Rec trof	0	0	0	1.20	1.0	0
Fluor MB + Rec trof	0	0	0	1.20	1.0	0

APPLIANCES / PLUG LOADS

Application			Usage	Sensible	Latent	Sens	Latent
Schedule				Btuh	Btuh		
Plug load	W/ft²	W					
	1.00	0	1.00	3.412	0	63975	0
	#/ft²	#					
	0	0	1.00	0	0	0	0
	#/ft²	#					
	0	0	1.00	0	0	0	0
	#/ft²	#					
	0	0	1.00	0	0	0	0
	#/ft²	#					
	0	0	1.00	0	0	0	0
	#/ft²	#					
	0	0	1.00	0	0	0	0

MOTORS

Power (hp) Schedule	#/ft²	#	Total	Per mtr Btuh	Load factor	Sens
0	0	0	0	0	1.00	0
0	0	0	0	0	1.00	0
0	0	0	0	0	1.00	0

5. INFILTRATION

0	cfm	————>	x	db Temp Diff	14.3	x	1.09	Sens	Latent
		————>	x	Moist. Diff	26.8	x	0.67	0	0

6. SUBTOTAL COOLING LOAD FOR SPACE

Envelope	Sensible	Latent	188148	9375
Less external cooling	188k	9375		
Redistribution	0	0		
	0	0		

7. SUPPLY DUCT HEAT GAIN

Gain factor	0	x Line 6 Sensible Gain	0
-------------	---	------------------------	---

8. COOLING FAN SIZING

Sum of Duct Gain (7), Line (6) & Drawthru Fan = 188148
 (L 8 Sens) / (Xfer x Supply TD) = cfm
 Est Cooling cfm = (188148) / (1.09 x 20.0) = 8659
 Actual Cooling Fan > = 8659

9. VENTILATION

OA 0 cfm ———> x db Temp Diff 14.3 x 1.09 0
 ———> x Moist. Diff 26.8 x 0.67 0

10. RETURN AIR PLENUM

Lights Total power (W) 24375 0
 Transmission load (plenum upper surface) 0
 Space load credit (plenum lower surface) 0

11. RETURN DUCT HEAT GAIN

Gain factor 0 x Line 6 Sensible Gain 0

12. TOTAL COOLING LOADS ON EQUIPMENT (Btuh)

188148 9375

SPACE HEATING LOAD CALCULATION**13. HEATING DESIGN TEMPERATURE**

Heating TD = (Inside DB - Outside DB) = (60 - -11) = 71

[Mult = 1.0] —

14. TRANSMISSION LOSSES

Type	Expos	GrArea	NetArea	Uval	HTD	Loss
GLAZ-01	n	36	36	0.300	71.0	767
GLAZ-02	e	12	12	0.300	71.0	256
GLAZ-03	s	0	0	0.300	61.9	0
GLAZ-04	w	0	0	0.300	61.9	0
WALL-01	n	2700	2639	0.040	71.0	7495
WALL-02	n	0	0	0.060	67.2	0
WALL-03	e	2500	1984	0.040	71.0	5635
WALL-04	e	0	0	0.060	67.2	0
WALL-05	s	2700	2444	0.040	71.0	6941
WALL-06	s	0	0	0.060	67.2	0
WALL-07	w	2500	2500	0.040	71.0	7100
WALL-08	w	0	0	0.060	67.2	0
DOOR-01	n	25	25	0.341	71.0	605
DOOR-02	n	0	0	0.341	0	0
DOOR-03	e	0	0	0.341	60.0	0
DOOR-04	e	504	504	0.341	71.0	12202
DOOR-05	s	25	25	0.341	71.0	605
DOOR-06	s	231	231	0.341	71.0	5593
DOOR-07	w	0	0	0.341	0	0
WALL-09	-	0	0	0.088	0	0
FLOR-01	-	18750	18750	0.355	30.0	199687
CEIL-01	-	21600	21600	0.020	72.0	31104

15. INFILTRATION

1040 cfm x db Temp Diff 71.0 x 1.09 Loss 80222

16. SUBTOTAL HEATING LOAD FOR SPACE										358212
Envelope										358212
Less external heating										0
Less transfer										0
Redistribution										0
17. SUPPLY DUCT HEAT LOSS										
Loss factor 0 x Line 16 Loss										0
Less transfer										0
Redistribution										0
18. VENTILATION										
OA 0 cfm x db Temp Diff 71.0 x 1.09										0
19. HUMIDIFICATION										
Inside RH desired : 26.6 (Max = 7.7 for 1 pane)										
# of Glazing panes : 2.0 (Max = 26.6 for 2 pane)										
20. RETURN DUCT HEAT LOSS										
0 cfm x 0.44 g/100cfm/d = 0 gpd										0
Piping										0
21. TOTAL HEATING LOAD ON EQUIPMENT (Btuh)										358212
Loss factor x Line 16 Loss										

HOOKSET, NH

Project Information

For: LOT 40 OLD WARNER LANE
LOT 40 OLD WARNER LANE, WARNER, NH

		Htg	Clg
Outside db	(°F)	-11	89
Outside RH	(%)	-	44
Outside wb	(°F)	-	72
Daily range	(°F)	-	23
Moisture diff.	(gr/lb)	-	27

		Htg	Clg
Inside db	(°F)	60	75
Inside RH	(%)	-	50
Inside wb	(°F)	-	62
Design TD	(°F)	71	14

Heating Equipment

Make	n/a
Model	n/a
AHRI ref.	n/a
Type	n/a
Efficiency	n/a
Heating Input	0 MBtuh
Heating Output	0 MBtuh
Humidifier	0 gpd
Leaving Air Temp	60.0 °F
Actual Heating Fan	8659 cfm

Cooling Equipment

Make	
Cond	
Coil	
AHRI ref.	
Type	Split AC
Efficiency	15 SEER
Sensible Cooling	0 MBtuh
Latent Cooling	0 MBtuh
Total Cooling	0 MBtuh
Leaving Air Temp	55.0 °F
Actual Cooling Fan	8659 cfm

System Type	PEAKCV
Fan Motor Heat Type	PACKAGE
Fan & Motor Combined Efficiency	0 %
Static Pressure Across Fan	0 in H2O

NAME	Area ft²	Heat Loss	Sensible Gain	Latent Gain	Htg cfm	Clg cfm	Time
Two Zones	18750	358212	188148	9375	8659	8659	Jul 1700 LDT
Building	18750	358212	188148	9375	8659	8659	Jul 1700 LDT

HOOKSET, NH

Project Information

For: LOT 40 OLD WARNER LANE
LOT 40 OLD WARNER LANE, WARNER, NH

Zone: Building

COOLING LOAD

1. DESIGN CONDITIONS		at Jul 1700 LDT	Peak load at Jul 1700 LDT		
Inside:	75 °F	Outside:	89 °F	TD:	14 °F
OutRH:	44 %	MoistDiff:	26.8 gr/lb	Mult:	1.0
				Ins.wb	62 °F
				Sensible	Latent
2. SOLAR RADIATION THROUGH GLASS				821	-
3. TRANSMISSION GAINS		Sensible		17896	-
Walls:	4078			-	-
Glass:	154			-	-
Doors:	2864			-	-
Partitions:	0			-	-
Floors:	0			-	-
Ceilings:	10800			-	-
4. INTERNAL HEAT GAIN		Sensible	Latent	169430	9375
Occupants:	5625		9375	-	-
Lights:	99830		-	-	-
Motors:	0		-	-	-
Appliances:	63975		0	-	-
5. INFILTRATION:		Outside air cfm:	0	0	0
6. SUBTOTAL:		Space load	Sensible	Latent	188148
Envelope	188148		9375	-	-
Less external	0		-	-	-
Redistribution	0		0	-	-
7. SUPPLY DUCT				0	-
8. SUBTOTAL:		Space load + supply duct		188148	-
Actual cfm:	8659	at supply TD:	20	-	-
9. VENTILATION:		Make-up air cfm:	0	0	0
10. RETURN AIR LOAD:		Lighting + plenum (net)		0	-
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				188148	9375

HEATING LOAD

13. DESIGN CONDITIONS		Mult:	1.0		
Inside:	60 °F	Outside:	-11 °F	TD:	71 °F
14. TRANSMISSION LOSSES				277990	
Walls:	27170			-	
Glass:	1022			-	
Doors:	19006			-	
Partitions:	0			-	
Floors:	199687			-	
Ceilings:	31104			-	
15. INFILTRATION:		Outside air cfm:	1040	80222	
16. SUBTOTAL:		Space load		358212	
Envelope	358212			-	
Less external	0			-	
Less transfer	0			-	
Redistribution	0			-	
17. SUPPLY DUCT:				0	
18. VENTILATION:		Make-up air cfm:	0	0	
19. HUMIDIFICATION				0	
Piping				0	
20. RETURN DUCT				0	
21. TOTAL HEATING LOAD ON EQUIPMENT				358212	

HOOKSET, NH

Project Information

For: LOT 40 OLD WARNER LANE
LOT 40 OLD WARNER LANE, WARNER, NH

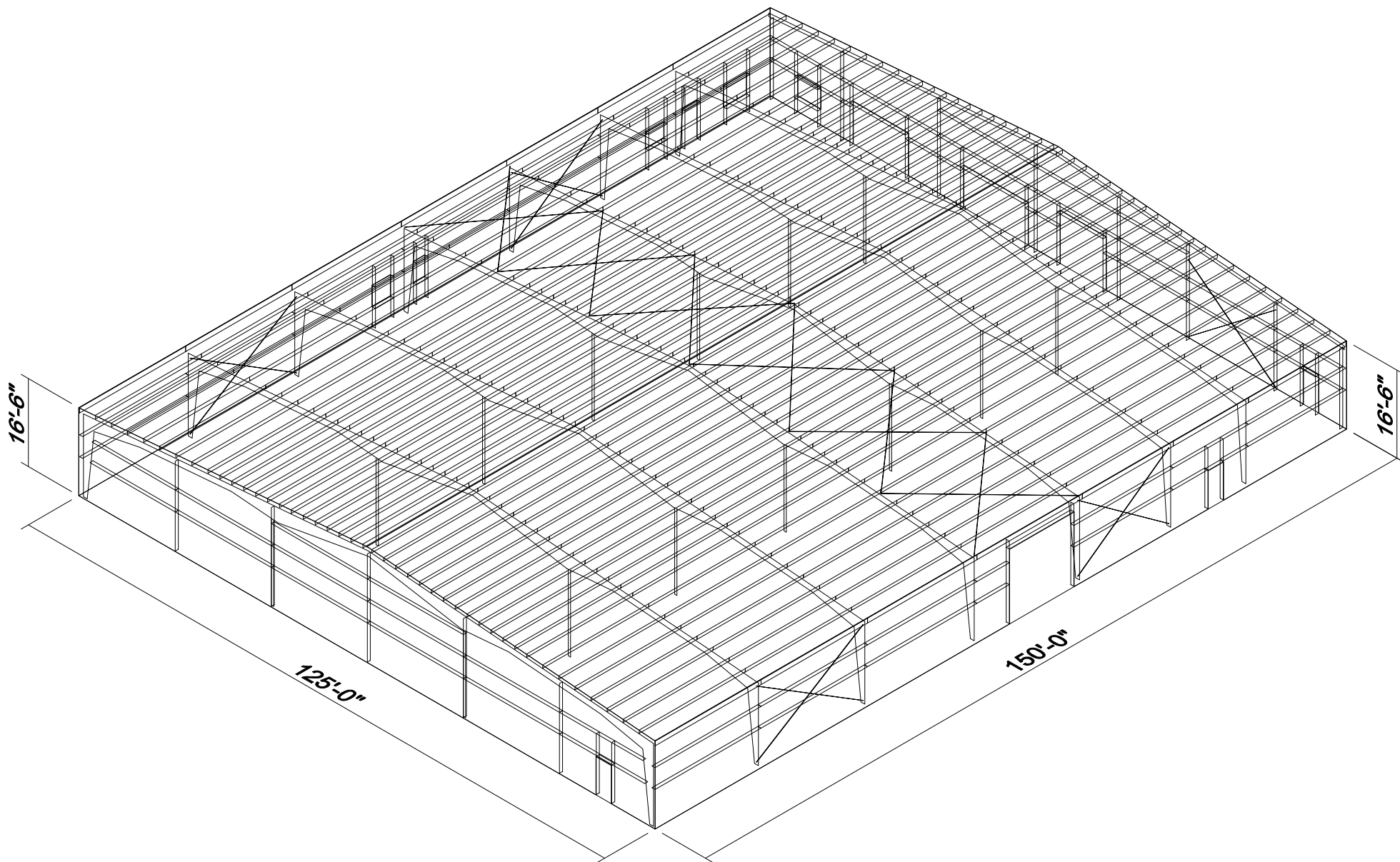
Zone: Two Zones

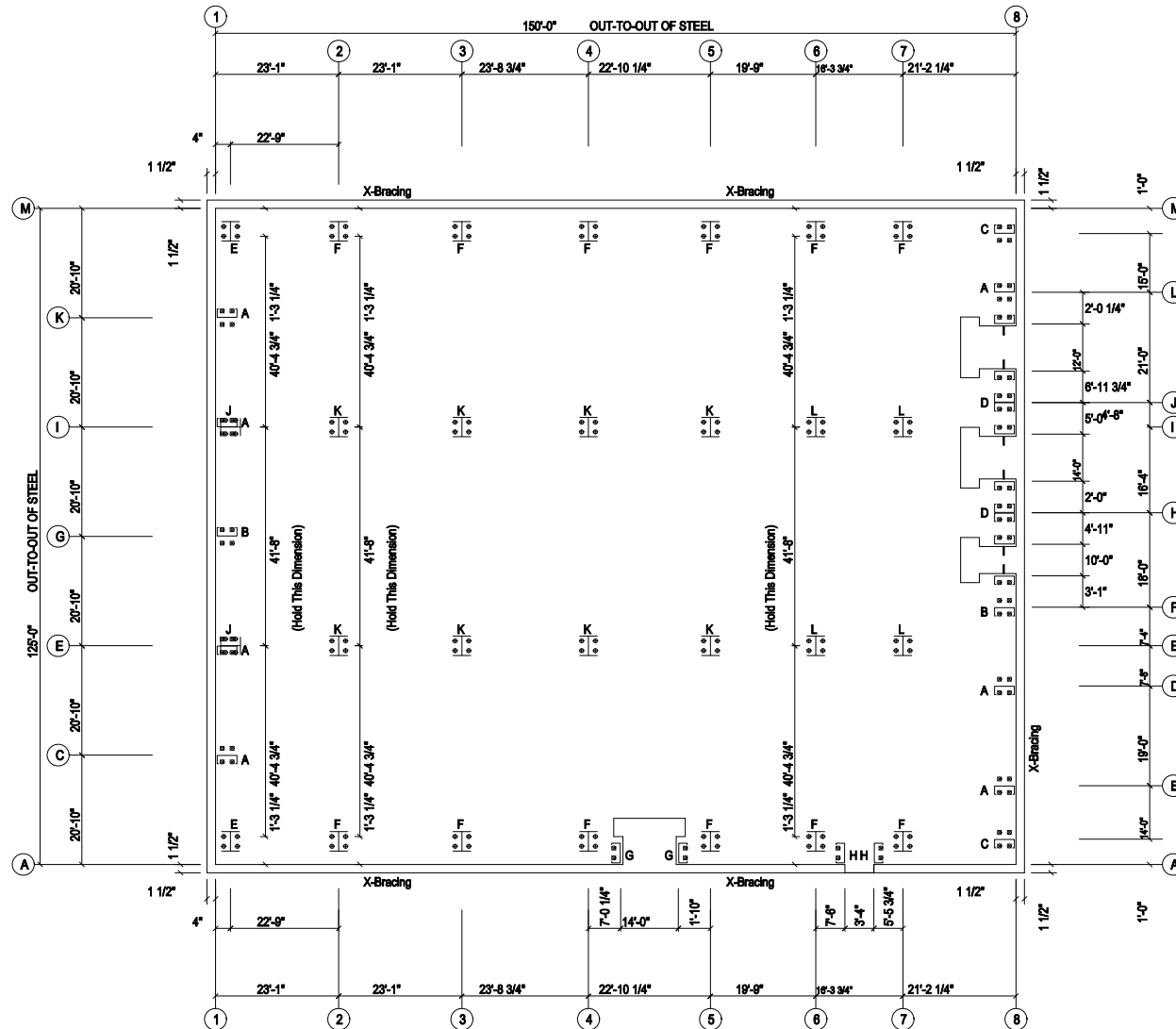
COOLING LOAD

1. DESIGN CONDITIONS		at Jul 1700 LDT	Peak load at Jul 1700 LDT		
Inside:	75 °F	Outside: 89 °F	TD: 14 °F		
OutRH:	44 %	MoistDiff: 26.8 gr/lb	Mult: 1.0	Ins.wb	62 °F
				Sensible	Latent
2. SOLAR RADIATION THROUGH GLASS				821	-
3. TRANSMISSION GAINS		Sensible		17896	-
Walls:	4078			-	-
Glass:	154			-	-
Doors:	2864			-	-
Partitions:	0			-	-
Floors:	0			-	-
Ceilings:	10800			-	-
4. INTERNAL HEAT GAIN		Sensible	Latent	169430	9375
Occupants:	5625		9375	-	-
Lights:	99830		-	-	-
Motors:	0		-	-	-
Appliances:	63975		0	-	-
5. INFILTRATION:		Outside air cfm:	0	0	0
6. SUBTOTAL:		Space load	Sensible	Latent	188148
Envelope	188148		9375	-	-
Less external	0		-	-	-
Redistribution	0		0	-	-
7. SUPPLY DUCT				0	-
8. SUBTOTAL:		Space load + supply duct		188148	-
Actual cfm:	8659	at supply TD:	20	-	-
9. VENTILATION:		Make-up air cfm:	0	0	0
10. RETURN AIR LOAD:		Lighting + plenum (net)		0	-
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				188148	9375

HEATING LOAD

13. DESIGN CONDITIONS		Mult: 1.0	
Inside:	60 °F	Outside: -11 °F	TD: 71 °F
14. TRANSMISSION LOSSES			277990
Walls:	27170		-
Glass:	1022		-
Doors:	19006		-
Partitions:	0		-
Floors:	199687		-
Ceilings:	31104		-
15. INFILTRATION:		Outside air cfm:	1040
16. SUBTOTAL:		Space load	358212
Envelope	358212		-
Less external	0		-
Less transfer	0		-
Redistribution	0		-
17. SUPPLY DUCT:			0
18. VENTILATION:		Make-up air cfm:	0
19. HUMIDIFICATION			0
Piping			0
20. RETURN DUCT			0
21. TOTAL HEATING LOAD ON EQUIPMENT			358212





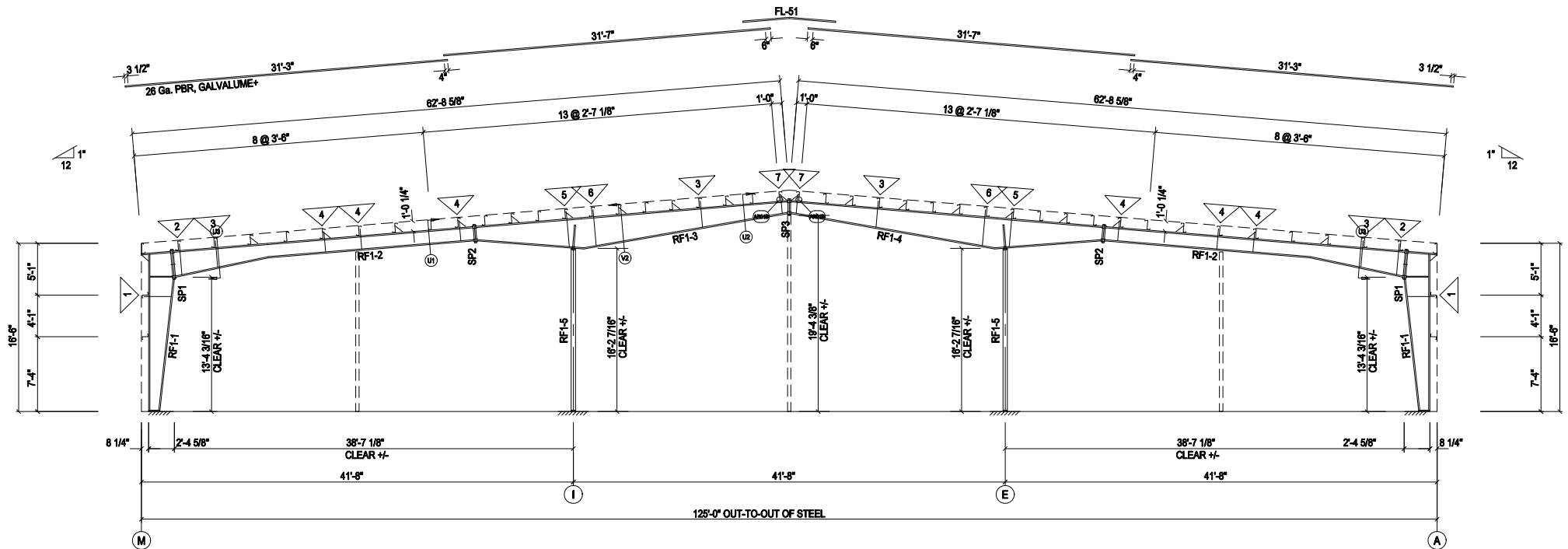
⊗ Dia= 5/8"
⊕ Dia= 3/4"

ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL		DET		DES

DESCRIPTION	
BUYER / CUSTOMER	MAMMOTH BUILDING SYSTEMS, LLC
END USER	NATURAL PLAYGROUNDS
END USE	COMMERCIAL - MIXED USE
STREET	LOT 40 OLD WARNER LANE
CITY, STATE, ZIP	WARNER, NH 03278
COUNTY	MERRIMACK
S.O.#	130913
JOB#	
SCALE	N.T.S.
DWG#	

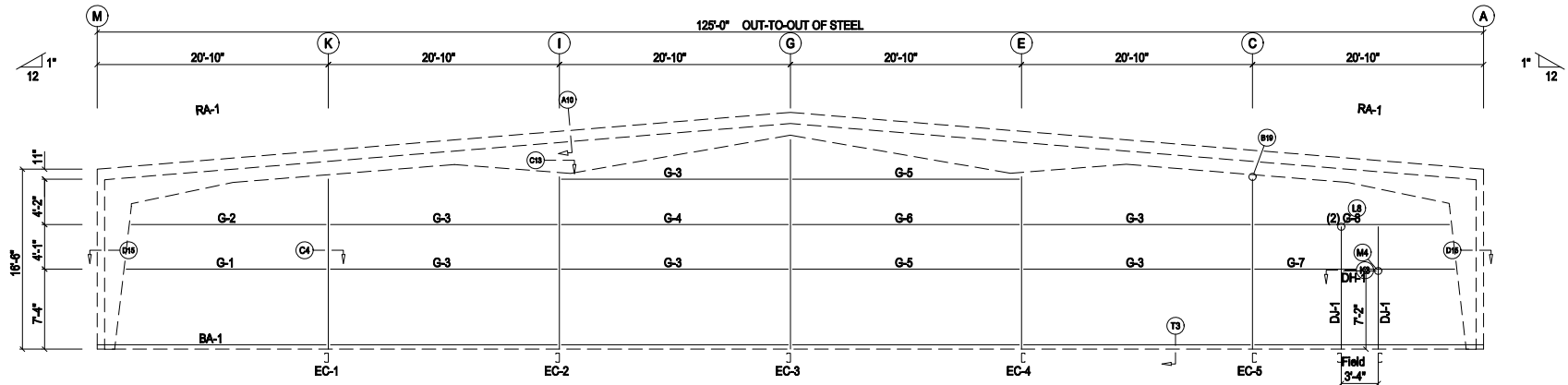
SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT THE ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.



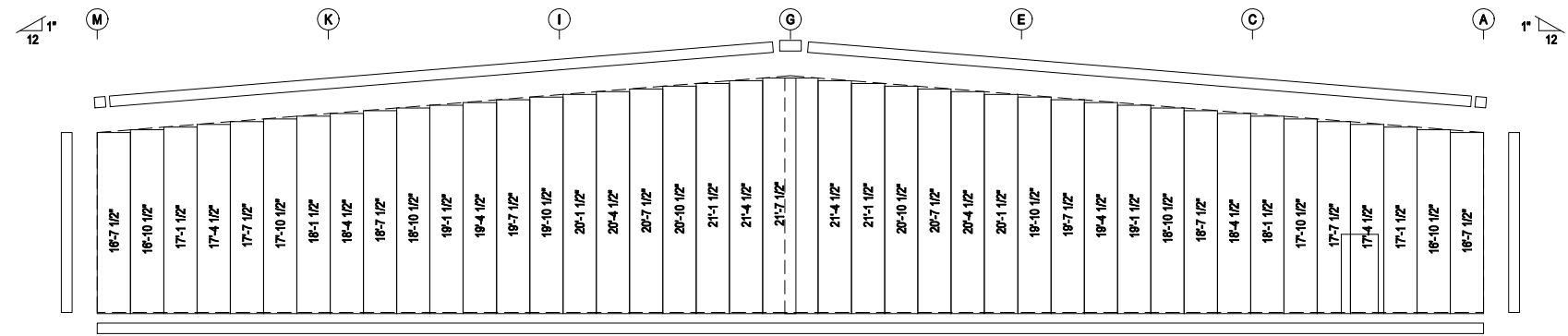
RIGID FRAME ELEVATION: FRAME LINE 1

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES	DESCRIPTION				SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT THE ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.			
A	APPROVAL		DET		DES	RIGID FRAME ELEVATION							
						BUYER / CUSTOMER	MAMMOTH BUILDING SYSTEMS, LLC						
						END USER	NATURAL PLAYGROUNDS						
						END USE	COMMERCIAL - MIXED USE						
						STREET	LOT 40 OLD WARNER LANE						
						CITY, STATE, ZIP	WARNER, NH 03278						
						COUNTY	MERRIMACK						
						S.O.#	130913	JOB#		SCALE	N.T.S.	DWG#	

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	1/2"	1 1/4"



ENDWALL FRAMING: FRAME LINE 1



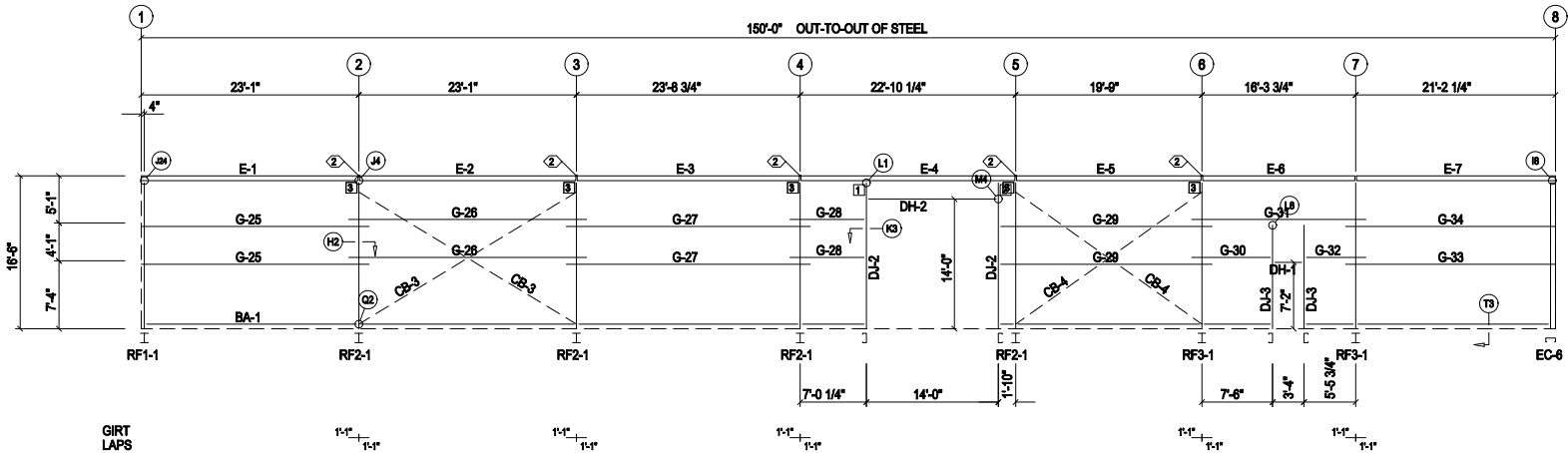
ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 28 Ga. PBR - SIG 200 WALL

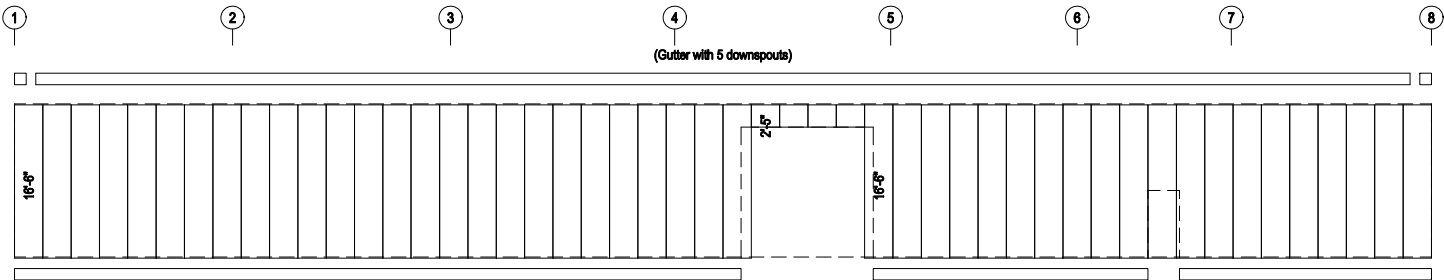
ISSUE	DESCRIPTION	DATE	DRN	CHK	DES	DESCRIPTION				ENDWALL FRAMING	SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT THE ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.		
A	APPROVAL		DET			BUYER / CUSTOMER	MAMMOTH BUILDING SYSTEMS, LLC						
						END USER	NATURAL PLAYGROUNDS						
						END USE	COMMERCIAL - MIXED USE						
						STREET	LOT 40 OLD WARNER LANE						
						CITY, STATE, ZIP	WARNER, NH 03278						
						COUNTY	MERRIMACK						
						S.O.#	130913	JOB#		SCALE		N.T.S.	DWG#

SPECIAL BOLTS					
ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A325	1/2"	1 1/4"	0

CONNECTION PLATES		
FRAME LINE A		
ID	QUAN	MARK/PART
1	1	CC51L
2	1	CC51R
3	5	CC12A



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 28 Ga. PBR - SIG 200 WALL

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES	DESCRIPTION	SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT THE ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.
A	APPROVAL		DET		DES	BUYER / CUSTOMER	MAMMOTH BUILDING SYSTEMS, LLC
						END USER	NATURAL PLAYGROUNDS
						END USE	COMMERCIAL - MIXED USE
						STREET	LOT 40 OLD WARNER LANE
						CITY, STATE, ZIP	WARNER, NH 03278
						COUNTY	MERRIMACK
						SIG #	130913
						JOB#	
						SCALE	N.T.S.
						DWG#	

CONNECTION PLATES FRAME LINE M		
☐ ID	QUAN	MARK/PART
3	5	CC12A



PANELS: 28 G8, PBR - SIG 200 WALL

[illegible]

DESCRIPTION		SIDEWALL FRAMING	
BUYER / CUSTOMER		MAMMOTH BUILDING SYSTEMS, LLC	
END USER		NATURAL PLAYGROUNDS	
END USE		COMMERCIAL - MIXED USE	
STREET		LOT 40 OLD WARNER LANE	
CITY, STATE, ZIP		WARNER, NH 03278	
COUNTY		MERRIMACK	
S.O.#	130613	JOB#	
		SCALE	N.T.S.
		DWG#	

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT THE ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

Re: Review request for Map 3, Lot 40 - Natural Playgrounds Site Plan

From Landuse Secretary <landuse@warnernh.gov>

Date Wed 9/23/2026 1:01 PM

To Nancy Martin <nancyrobinettemartin@gmail.com>

Hi Nancy,

I read through the [draft Sept 14th PB meeting minutes](#) and a specific chemical or brand name was not mentioned. The discussion regarding chemicals used in their operations can be found in the linked minutes starting on Page 10, Lines 44-48.

Please let me know if you have any additional questions. Happy to be of assistance.

Peg

Margaret Bastien, P.E.

Land Use Office

PO Box 265

5 East Main Street

Warner, NH 03278-0059

Land Use Office: (603) 456-2298 Ext. 7

landuse@warnernh.gov

Office hours: Mon-Tues, 9am to noon, Weds, 1-4pm. By appointment otherwise.

Please note that all communication to and from this e-mail address is subject to NH RSA 91-A which affords the public access to this information, with the exception of limited, sensitive information.

From: Nancy Martin <nancyrobinettemartin@gmail.com>

Sent: Thursday, September 17, 2026 1:38 PM

To: Landuse Secretary <landuse@warnernh.gov>

Subject: Re: Review request for Map 3, Lot 40 - Natural Playgrounds Site Plan

External (nancyrobinettemartin@gmail.com)

[Graymail](#) [Spam](#) [Phish](#) [More...](#) [FAQ](#) [Protection by INKY](#)

This email originated from outside of the organization. Do not click links or open attachments unless you are 100% sure that it is safe.

I heard that too, I just wondered if they named the preservative.

On Wed, Sep 16, 2026 at 1:01 PM Landuse Secretary <landuse@warnernh.gov> wrote:

Nancy,

Yes, I do believe that question was asked. Their response was something to the effect, the least harmful preservative, and they said they would send the MSDS (material safety data sheet).

Peg

Margaret Bastien, P.E.

Land Use Office

PO Box 265

[5 East Main Street](#)

[Warner, NH 03278-0059](#)

Land Use Office: [\(603\) 456-2298 Ext. 7](#)

landuse@warnernh.gov

Office hours: Mon-Tues, 9am to noon, Weds, 1-4pm. By appointment otherwise.

From: Nancy Martin <nancyrobinettemartin@gmail.com>

Sent: Wednesday, September 16, 2026 10:43 AM

To: Landuse Secretary <landuse@warnernh.gov>

Subject: Re: Review request for Map 3, Lot 40 - Natural Playgrounds Site Plan

This email originated from outside of the organization. Do not click links or open attachments unless you are 100% sure that it is safe.

Was the question asked last night what the company uses to preserve the wood they use on their playground equipment?

On Tue, Sep 15, 2026 at 11:05 AM Landuse Secretary <landuse@warnernh.gov> wrote:

Good morning,

Before the Planning Board is a site plan review for construction of a commercial building, off Warner Rd/Kearsarge Ave., to be used by Natural Playground for the manufacturing of playground equipment. Please review the attached application and site plan.

The application and site plan can also be found at [Map 30 Lot 4 Site Plan Review Application and Site Plan Set](#). Paper copies are available at the Town Hall in the Land Use office.

The application for site plan review was accepted as complete by the Planning Board during last night's meeting. The continuation of the public hearing for this application takes place on Monday, September 28, 2026. Please submit your comments and questions to the Land Use office, landuse@warnernh.gov, no later than noon on Sept. 28th .

Do not hesitate to reach out should you have questions or need additional information.

Thank you,

Peg

Margaret Bastien, P.E.

Land Use Office

PO Box 265

[5 East Main Street](#)

[Warner, NH 03278-0059](#)

Land Use Office: [\(603\) 456-2298 Ext. 7](#)

landuse@warnernh.gov

Office hours: Mon-Tues, 9am to noon, Weds, 1-4pm. By appointment otherwise.

Re: Review request for Map 3, Lot 40 - Natural Playgrounds Site Plan

From Herm Blanchette - Director Public Works <dpw@warnernh.gov>

Date Thu 9/17/2026 2:14 PM

To Landuse Secretary <landuse@warnernh.gov>

Internal (dpw@warnernh.gov)

[Safe](#) [Spam](#) [Phish](#) [More...](#) [FAQ](#) [Protection by INKY](#)

Hello, I went down and checked the site, it will need a driveway permit.
Thank you!

From: Landuse Secretary <landuse@warnernh.gov>

Sent: Tuesday, September 15, 2026 11:03 AM

To: Bill Chandler - PD <wchandler@warnernh.gov>; Jonathan France - FD <wfd@warnernh.gov>; Nancy Martin <nancyrobinettemartin@gmail.com> <nancyrobinettemartin@gmail.com>; Herm Blanchette - Director Public Works <dpw@warnernh.gov>

Subject: Review request for Map 3, Lot 40 - Natural Playgrounds Site Plan

Good morning,

Before the Planning Board is a site plan review for construction of a commercial building, off Warner Rd/Kearsarge Ave., to be used by Natural Playground for the manufacturing of playground equipment. Please review the attached application and site plan.

The application and site plan can also be found at [Map 30 Lot 4 Site Plan Review Application and Site Plan Set](#). Paper copies are available at the Town Hall in the Land Use office.

The application for site plan review was accepted as complete by the Planning Board during last night's meeting. The continuation of the public hearing for this application takes place on Monday, September 28, 2026. Please submit your comments and questions to the Land Use office, landuse@warnernh.gov, no later than noon on Sept. 28th .

Do not hesitate to reach out should you have questions or need additional information.

Thank you,
Peg

Margaret Bastien, P.E.

Land Use Office

PO Box 265

5 East Main Street

Warner, NH 03278-0059

Land Use Office: (603) 456-2298 Ext. 7

landuse@warnernh.gov

Office hours: Mon-Tues, 9am to noon, Weds, 1-4pm. By appointment otherwise.