



Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

***This File Contains Personal Identifiable
Information of Private Citizen(s).***

Certain information contained in this file is ***Exempt from Release*** under the Open Public Records Act (OPRA) (Public Law 2001, CHAPTER 404 (N.J.S.A. 47:1A-1 et seq.)) and Executive Orders issued by the Governor of New Jersey. The following information ***MUST*** be redacted prior to release:

- Social Security Numbers
- Drivers' License Numbers
- Unlisted Phone Numbers
- Credit Card Numbers
- Bank Account Numbers and Balances

For further information, consult with the Township Clerk, Township Archivist or Township Attorney prior to release.

A handwritten signature in black ink, appearing to read "Bryan J. Dickerson".

Bryan J. Dickerson, CA, CMR
Township Archivist

Issued: 8 January 2020



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

C20-001542

I. IDENTIFICATION

1. Proposed Work Site at: 1891 Lanes Mill Rd - Lanes Mill ES

2. Name of Owner in Fee: Brick Twp BOE
Tel. 732-785-3000 e-mail _____
Address 101 Hendrickson Ave Brick 08724
street municipality zip code

3. Ownership in Fee: Public ☒ Private _____
street municipality zip code

4. Principal Contractor: Northeast Roof Maintenance Tel. (732) 442-2020
Address 649 Catherine Street e-mail ahooey@nrm-inc.com
Perth Amboy, NJ 08861

License No. OR, if new home, Builder Reg. No. 13VH00474100 Exp. Date 03/31/2020
Home Improvement Contractor Registration No. or Exemption Reason _____
Federal Emp. ID No. 223328764 FAX: (732) 442-8099

5. Architect or Engineer Netta Architects, LLC Contact _____
Address 1084 Rte 22 West, Mountainside, NJ 07092 e-mail _____
Tel. 973-379-0006 FAX: _____

6. Responsible Person in Charge once Work has Begun Andrew Hooey
Tel. (732) 442-2020 FAX: (732) 442-8099

V. FEE SUMMARY (for office use only)		Update	Update
1. Building	\$		
2. Electrical	\$		
3. Plumbing	\$		
4. Fire Protection	\$		
5. Elevator Devices	\$		
6. Subtotal	\$		
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee	\$		
10. Subtotal	\$		
11. Cert. of Occupancy	\$		
12. Other	\$		
13. TOTAL	\$		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories 1

2. Height of Structure _____ ft.

3. Area — Largest Floor _____ sq. ft.

4. New Building Area _____ sq. ft.

5. Volume of New Structure _____ cu. ft.

6. Max. Live Load _____

7. Max. Occupancy Load _____

8. If Industrialized Building: State Approved _____ HUD _____

9. Total Land Area Disturbed _____ sq. ft.

10. Flood Hazard Zone _____

11. Base Flood Elevation _____ ft.

12. Wetlands yes _____ no _____

IIa. PROPOSED WORK

☐ Minor Work ☐ New Building ☐ Addition ☐ Demolition

☐ Repair ☐ Alteration ☒ Renovation Roofing ☐ Reconstruction

☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES
(Check all that apply)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates	Re-viewer
							Approval	Rejection
☒ Building	1,237,000				06/01/20	KEK		
☐ Electrical								
☐ Plumbing								
☐ Fire Protection								
☐ Elevator								
TOTAL COST	1,237,000 \$							

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: Select Group _____

3. Change in Use Group, Indicate Present: Select Group _____

4. No. of dwelling units: Total Units Income-restricted

Gained, Sale _____

Gained, Rental _____

Lost, Sale _____

Lost, Rental _____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: Select Group _____

3. Change in Use Group, Indicate Present: Select Group _____

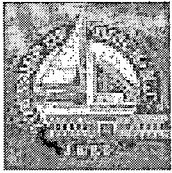
C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

DO YOU WANT:	1. ☐ Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks	4. ☐ Refrigeration Systems	6. ☐ Smoke Control Systems in Open Wells	12. ☐ Fire Alarm
1. ☐ Partial Releases	2. ☐ High Pressure Boilers	5. ☐ Cross-Connections/Backflow Preventers	9. ☐ Underground Storage Tanks	
2. ☐ Prototype Processing	3. ☐ Pressure Vessels	6. ☐ Hazardous Uses/Places of Assembly	10. ☐ Swimming Pools, Spas and Hot Tubs	
		7. ☐ Sprinklers/Standpipes	11. ☐ LPGas Tanks	



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 02/23/2021
Control Number C-20-001542
Permit Number 20-1100
Permit Issue Date 06/01/2020
Certificate Number 20-1100

Certificate
Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 1891 LANES MILL RD. Brick Township, NJ Block: 1210.28 Lot: 20 Qual: _____
Owner in Fee: BRICK TOWNSHIP BOARD OF EDUCATION
Owner Address: 101 HENDRICKSON AVE. BRICK NJ 08724
Telephone: _____
Contractor Northeast Roof Maint.
Address 649 Catherine Street Perth Amboy NJ 08861
Telephone: (732) 442-2020 Fax: _____ Federal Emp. Number: _____
License Number or Builders Registration Number: _____

Home Warranty Number: _____ Type of Warranty Plan: ☐ State ☐ Private

Use Group: E Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: ROOFING - - LANES MILL E.S.

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

☐ Total removal of lead-based paint hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

☐ Total removal of asbestos hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

Construction Official

Date Printed: 02/23/2021

U.C.C. F260 (rev. 08/05)

Fee: \$0.00

Check Number: _____

Collected By: _____

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name Northeast Roof Maintenance

Address 649 Catherine Street

Perth Amboy, NJ 08861

Telephone (732) 442-2020

Signature _____

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



CONSTRUCTION PERMIT

Date Issued 6/1/2020
Control # C-20-001542
Permit # 20-1100

IDENTIFICATION Block: 1210.28 Lot: 20 Qualifier _____
Work Site Location: 1891 LANES MILL RD. Brick Township, NJ Contractor Northeast Roof Maint.
Address: 649 Catherine Street Perth Amboy NJ 08861
Owner in Fee BRICK TOWNSHIP BOARD OF EDUCATION
101 HENDRICKSON AVE. BRICK NJ 08724 Telephone: (732) 442-2020
Lic. No. or Bldrs. Reg. No. 13VH00474100
Federal Employee No. _____
Telephone: _____

Is hereby granted permission to perform the following work:

- ☒ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

ROOFING - LANES MILL E.S.

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$1,237,000

D. J. [Signature]
Construction Official

6/1/20
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building _____ \$0
Electrical _____ \$0
Plumbing _____ \$0
Fire Protection _____ \$0
Elevator Devices _____ \$0
Other _____ \$0.00
DCA Training Fee _____ \$0
CO Fee _____
Other _____ \$0
Total _____ \$0
Check No. _____
Cash _____ \$0
Credit _____ \$0
Collected By _____

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

Township of Brick

ENGINEERING PLOT PLAN REVIEW CHECKLIST

REV-20-00162

BLOCK 942 LOT 99.01 DATE RECEIVED 4/30/20

PROPERTY ADDRESS 768 Princeton Ave

APPLICANT Bucchino General Contracting PHONE 609-658-2426 C
45 Whitehorse Ave.

ADDRESS Hamilton, NJ 08610

CONTRACTOR Bucchino General Contracting PHONE _____
45 Whitehorse Ave.

ADDRESS Hamilton, NJ 08610

TYPE OF WORK New Single Family HOME ZONING APPROVAL _____

FLOOD ZONE PFIRM AE-8 FLOOD ELEVATION _____

PANEL # _____ MAP # _____ DATE _____

PLANNING BOARD/BOARD OF ADJUSTMENT APPROVAL YES _____ NO _____

	THE FOLLOWING IS FOR OFFICE USE ONLY:	YES	NO	N/A
1	PLANS/DETAILS SIGNED & SEALED	✓	✓	
2	SCALE NOT LESS THAN 1"=50'	✓	✓	
3	EXISTING ELEVATIONS (NGVD IN FLOOD ZONE)	✓	✓	
4	PROPERTY LINES, CORNERS, BEARINGS & DISTANCES	✓	✓	
5	STREET, GUTTER, CURB & CENTER LINE ELEVATIONS	✓	✓	
6	CONTOURS 1' INCREMENTS	✓	✓	
7	ADJACENT DWELLING CORNERS & CORNER ELEVATIONS	✓	✓	
8	PROPOSED GRADING & ELEVATIONS	✓	✓	
9	GARAGE FLOOR/CRAWL SPACE/BASEMENT ELEVATION	✓	✓	
10	PROPOSED DWELLING DIMENSIONS & CORNER ELEVATIONS	✓	✓	
11	METHOD OF DRAINAGE	✓	✓	
12	NORTH ARROW	✓	✓	
13	DRIVEWAY WIDTH & TYPE	✓	✓	
14	DIMENSIONS/ACREAGE OF PARCEL/SETBACK LINES	✓	✓	
15	PROPERTY ADDRESS/BLOCK & LOT NUMBER	✓	✓	
16	SIDEWALK/CURB & APRONS	✓	✓	
17	PARKING AREAS	✓	✓	
18	UTILITY & CONNECTIONS: WATER, SEWER, GAS, ELECTRIC	✓	✓	
19	PLANTINGS, SEEDLINGS, SCREENINGS, FENCES & SIGNS	✓	✓	
20	STREET WIDTH, STREET NAME, RIGHT-OF-WAY WIDTH	✓	✓	
21	LIMITS OF CLEARING	✓	✓	
22	BASEMENT/DEDICATIONS/ENVIRONMENTAL CONSTRAINTS	✓	✓	
23	PRIOR APPROVALS: ARMY CORP/NJ DEP/SOIL EROSION, ECT.	✓	✓	
24	EXISTING STRUCTURES	✓	✓	
25	RETAINING WALL/SERVICE WALKS, OTHER MISC. ITEMS	✓	✓	

PLOT PLAN REVIEW:

APPROVED ✓ REJECTED _____ SIGNED MA DATE 5/12/20

REVISION:

APPROVED _____ REJECTED _____ SIGNED _____ DATE _____

COMMENTS: _____



ELEVATOR SUBCODE TECHNICAL SECTION



Update

Date Received
Control #

Date Issued
Permit #

+B

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 942 Lot 99.01 Qualification Code _____
Work Site Location 768 Princeton Avenue
Brick, New Jersey 08724

Owner in Fee: MICHAEL BUCCHINO
Tel. _____ e-mail _____
Address 45 White Horse Ave, Hamilton, New Jersey 08610
street municipality zip code

Contractor/installer: Accredited Home Elevator Tel 609-660-8000
Address 127 South Main Street, Barnegat, NJ 08005 e-mail spappagallo@accelevator.com

Home Improvement contractor registration No. 13VH04317500

Federal Emp. ID No. 20-8058932 Fax: 609-660-8336

Maintenance/service contractor Same
Address _____ e-mail _____
Tel: _____ FAX: _____

B. ELEVATOR CHARACTERISTICS

Building Use Group R5 Building Registration Number _____
Manufacturer AHE Manufacturing Device I.D. _____
Machine Room Location Adjacent to shaft at first stop
No. of Stops 3 No. of Openings 1
Travel (ft.) 240 INCH Speed(fpm) 40FPM
Type of Control SAPB Type of operation AUTO
Passenger X 2Freight _____
Capacity (lbs.) 950LB
Year of Installation 2020 Year of alteration _____
Estimated Cost of Work \$ 22,149.35

JOB SUMMARY (Office use only)

PLAN REVIEW
[] No Plans Required
[] Building Plans and Elevator Specs
Date: _____ Approved by: _____
[] Elevator Layout Drawings
Date: 7/28/20 Approved by: [Signature]
Joint Plan Review Required:
[] Bldg. [] Elec. [] Plumb. [] Fire.
SUBCODE APPROVAL for PERMIT
Date: 7/28/20
Approved by: [Signature]

INSPECTIONS	Dates (Month/Day)				
	Type	Failure	Failure	approval	initial
Temporary					
Final					

SUBCODE APPROVAL for CERTIFICATE
[] CO [] CA
Date: _____ Approved by: _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application

Sign Here Scott Wallace JR
Print Name here Scott Wallace Jr Date: 6/11/2020

D. Technical Data

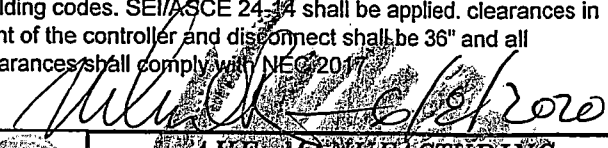
DESCRIPTION OF WORK: Installation of private residence elevator under
Elevator Mechanics License Number 17EM00002400

QTY	Item	FEE (office use only)
	Traction or Winding Drum	
	1 to 10 Floors	\$ _____
	Over 10 Floors	_____
	Hydraulic	_____
<u>1</u>	Roped Hydraulic	_____
	Escalator/Moving Walk	_____
	Dumbwaiter	_____
	Stairway Chairlift, Inclined and	_____
	Vertical Wheelchair Lifts and Man Lifts	_____
	Oil Buffers	_____
	Counterweight Governor and Safety's	_____
	Auxiliary Power Generator	_____
<u>1</u>	Alterations	_____
	Other <u>plan review</u>	_____
	Other _____	_____
Administrative Surcharge		\$ _____
State Permit Surcharge		\$ _____
Fee		_____
TOTAL		\$ _____
FEE		_____

AE-8

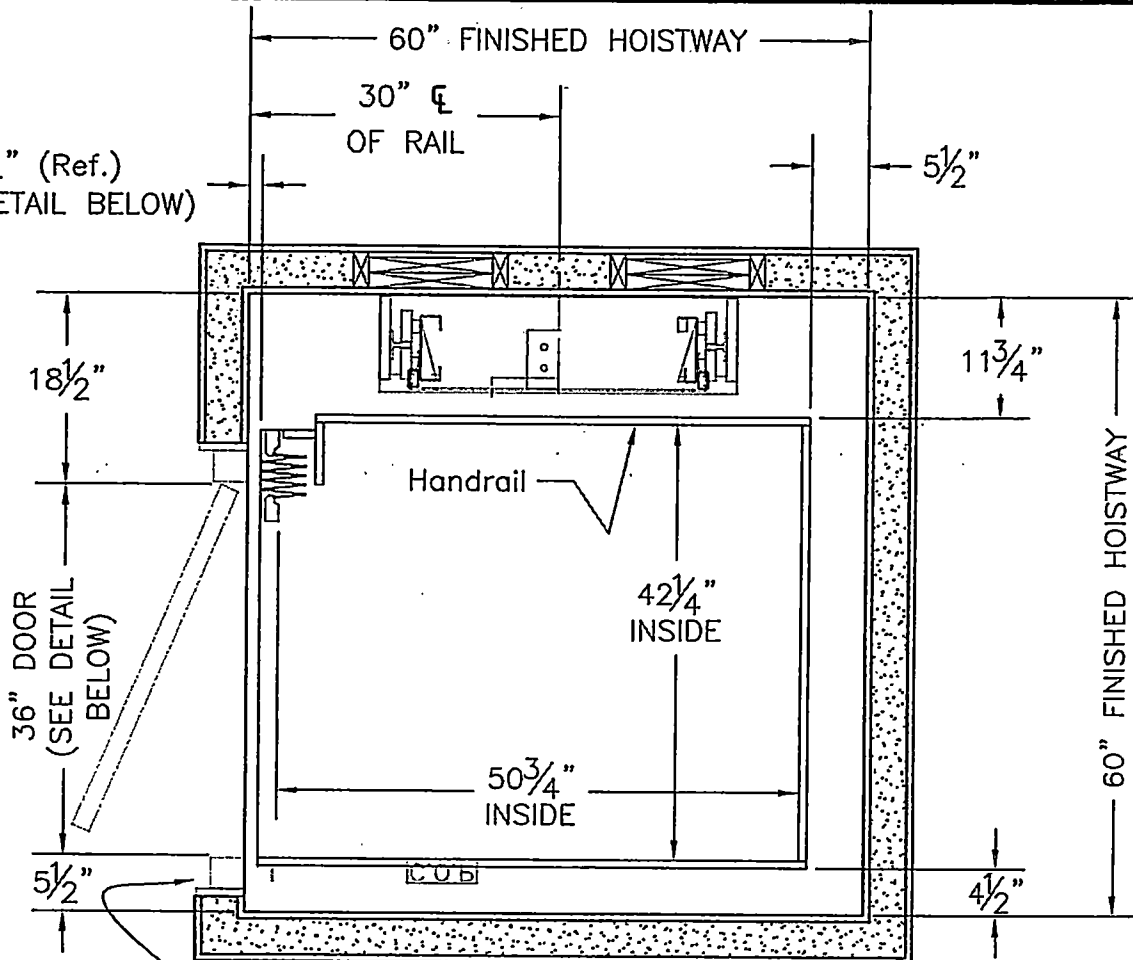
AHE MANUFACTURING

1:2 ROPED HYDRAULIC

MODEL		Main Electrical Supply	
Model Number:	ACC147	208/230 VAC Single Phase (30 Amp Dedicated)	
Rated Capacity:	950 #		
Car Weight (Inc. Frame):	800 #		
Pit Depth:	12 in		
Floor To Floor Travel:	240 in		
Overhead:	96 in		
Travel Speed:	40 fpm	120 VAC Single Phase (15 Amp Dedicated)	
Maximum Bracket Spacing:	60 inch		
CAB: Bristol		CONTROLS	
Clear Platform: Width: 42.25 x Depth: 50.75 Height: 7'-0" Panels: Oak Ceiling: Flat Finish: Clear Coat		Operation: Automatic Stops: 3 Final Limits: N/A Floor Connections: In Main Controller Additional Travel Cable: 0	
Car Operating Panel: Stainless Steel Stops: 3 Bezel Label: Standard Keyed: No		HOISTWAY Doors & Hardware: By Others Door Locks EMI/Porta: 3-RH Power Door Operator(s): No Hall Stations: Stainless Steel Keyed Hall Stations: No	
Cab Lighting: 2 Recessed Lighting Finish: Stainless Steel			
Handrail: Round Finish: Stainless Steel			
Flooring: Unfinished			
GATE		STANDARD FEATURES	
Style: Hard Hinged Accordion Gate Operator: Manual Size: 8 Panel x 80" DLP Vision Panels: 1 Gate Quantity: 1 Panel Style: Lt. Oak Vinyl		• UL Listed Controller & Motor • Type "A" Instantaneous Safeties (Roller) • Type "C" Safety (Rupture Valve) • 3/8" Wedge Rope Shackles • Guide Rail T89/B 8lbs. Per Ft.	
DRIVE SYSTEM		FLOOD ZONE: Yes	
Motor:	Submerged 3 HP 230V 1ph	BASE FLOOD ELEVATION: 8	
Pump:	35 L Screw pump	EQUIPMENT TO BE LOCATED 12" ABOVE BASE FLOOD ELEVATION.	
Estimated Working Pressure:	636psi	APPLICABLE CODES This Elevator Installation as defined in A17.1 will comply with ASME 17.1 2016 section 5.3, NEC 2017 and all applicable building codes. SEI/ASCE 24-14 shall be applied. clearances in front of the controller and disconnect shall be 36" and all clearances shall comply with NEC 2017.	
Estimated Pressure Relief:	795psi		
Valve:	2 speed/Man. lowering		
Piston:	2.75 in (70mm)		
Cylinder:	4.00 in (101mm)		
Hydraulic Oil:	AW32 30 Gal	AHE MANUFACTURING 227 Rt. 9 SOUTH BARNEGAT, NJ 08005 (800) 488-5905 1:2 ROPED HYDRAULIC SPECIFICATION SHEET	
Suspension Means:	(2) 3/8 7X19 Steel Core Air Craft Cable 14400# Breaking Strength	JOB NO: 1 Acc: 1 DATE: 6/9/20	
Hydraulic Line:	3/4" schedule 80 pipe	60 Princeton Ave, Brick, NJ	
Hydraulic Hose:	3" L X 3/4" Diameter		
Operating Temperature:	12,400 psi burst strength		
Buffer:	50-120 deg		
Stop Blocks:	Robber		
	N/A		

FLOORS
1-3

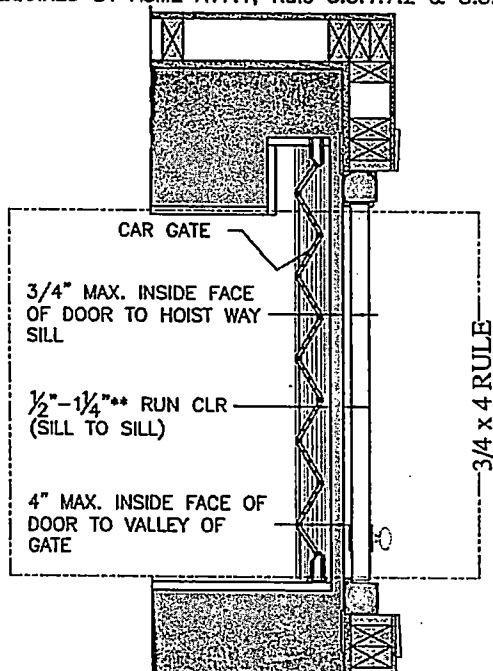
1/4" (Ref.)
(SEE DETAIL BELOW)



HALL STATIONS
TYPICAL ALL FLOORS

TYPICAL DOOR LOCATION DETAIL

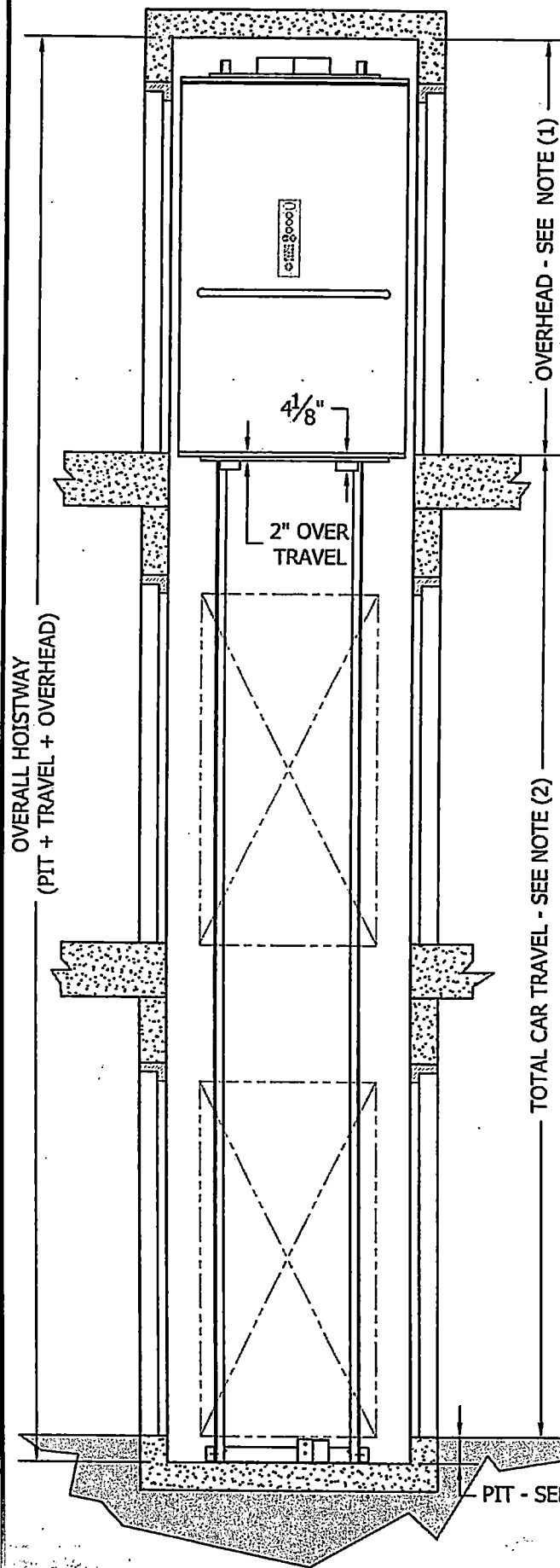
HORIZONTAL RUNNING CLEARANCES AS
REQUIRED BY ASME A17.1, Rule 5.3.1.7.2 & 5.3.1.8.3



NOTE:

THE STANDARD FLOORING FOR THIS ELEVATOR IS UNFINISHED PLYWOOD. IT IS DESIGNED TO ALLOW INSTALLATION OF CARPET OR HARDWOOD FLOORING SUPPLIED BY THE CONTRACTOR OR END USER.

APPROVED BY:	DATE:
<i>[Signature]</i>	6/8/2020
A.H.E. MANUFACTURING INC.	
121 RT 9 SOUTH	BARNEGAT, NJ (800) 483-5905
MODEL:	DEALER:
1:2-ROPE HYDRO	ACCREDITED HOME ELEVATOR
SCALE:	DRAWN BY:
NONE	JC
JOB:	Acc
768 Princeton Ave, Brick, NJ	



WORK BY OTHERS

1. A LOCKABLE, FUSED DISCONNECT SWITCH FOR ELEVATOR, PER NATIONAL ELECTRIC CODE, FUSED FOR 30 AMP. DUAL ELEMENT (TIME DELAY FUSE). THE FUSED DISCONNECT SWITCH IS TO BE FURNISHED WITH NORMALLY OPEN ELECTRICAL INTERLOCK CONTACTS.
2. A 120 VAC 20 AMP SINGLE PHASE POWER SUPPLY WITH LOCKABLE, FUSED, DISCONNECT SWITCH OR CIRCUIT BREAKER WITH FEEDER WIRING TO CONTROLLER FOR CAR LIGHTING PER N.E.C.
3. AN EXTERNAL MACHINE AREA MUST BE PROVIDED FOR THE OPERATING EQUIPMENT THAT MEETS N.E.C. REQUIREMENTS, ANSI A17.1 AND ALL LOCAL CODES. (See: Conceptual Machine Room Detail).
4. TELEPHONE CONNECTION IN MACHINE ROOM. (See: Conceptual Machine Room Detail).
5. THE ELEVATOR HOISTWAY SHOULD BE CONSTRUCTED IN ACCORDANCE WITH ANSI A17.1 AND ALL LOCAL CODES. NO ITEMS NOT DIRECTLY INVOLVED WITH THE FUNCTION OF THE ELEVATOR ARE ALLOWED IN HOISWAY.
6. HOISTWAY FRAMEWORK MUST BE PLUMB AND SQUARE WITHIN 1/2" OVER THE ENTIRE RISE. HOISTWAY DOORS TO BE INSTALLED PLUMB ONE ABOVE THE OTHER IN ACCORDANCE WITH A17.1 RULE 5.3.7.1.2 ALL WALLS AND SIDE MEMBERS MUST EXTEND FROM SILL TO BEAM.
7. ADEQUATE RAIL BRACKET SUPPORT MUST BE PROVIDED AS INDICATED ON SHOP DRAWINGS. (See: Load Bearing Wall Detail).
8. ALL SCREENS, RAILINGS, STEPS AND LADDERS AS REQUIRED FOR LEGAL HOISTWAY AND MACHINE ROOM.
9. BARRICADES OUTSIDE OF ELEVATOR HOISTWAY AS REQUIRED FOR PROTECTION OF WORKMEN, OTHER CONTRACTORS OR OCCUPANTS.
10. CUTOUTS TO ACCOMMODATE HALL PUSHBUTTONS ARE REQUIRED. ALL WALL PATCHING, PAINTING AND GROUTING BY GENERAL CONTRACTOR.
11. A FIXED VERTICAL LADDER TO PIT EXTENDING 42" ABOVE SILL OF BOTTOM TERMINAL ENTRANCE SHALL BE PROVIDED WHEN PIT EXCEEDS 36".
12. KNOCKOUT IN WALL BETWEEN HOISTWAY MACHINE ROOM FOR OIL AND ELECTRICAL LINES TO BE COORDINATED WITH ELEVATOR CONTRACTOR

NOTES:

- 1) 8'0" OVERHEAD REQUIRED FOR 7'-0" CAB HEIGHT. (INCLUDES 9" OF CARTOP CLEARANCE.) CAB HEIGHT OVER 7'-0" REQUIRES ADDITIONAL OVERHEAD.
- 2) MINIMUM FLOOR TO FLOOR TRAVEL IS 16" BETWEEN FLOORS (IF TRAVEL IS LESS THAN 16" CONSULT FACTORY)
- 3) CONSULT FACTORY FOR MINIMUM PIT DEPTH.
IMPACT LOAD @ PIT 4750 LBS (950# CAPACITY)
STATIC LOAD @ PIT 2900 LBS (950# CAPACITY)
- 4) CONSULT LOCAL AUTHORITY TO ENSURE COMPLIANCE WITH STATE AND LOCAL CODES.

JOB SPECIFIC HOISTWAY SPECS

348	OVERALL HOISTWAY
96	OVERHEAD
240	FLOOR TO FLOOR TRAVEL
12	PIT DEPTH

APPROVED BY: *[Signature]* DATE: 6/5/2020

A.H.E. MANUFACTURING INC.
128 RT 9 SOUTH, BARNESVILLE, MD 21015-4555
TEL: 410-455-5903

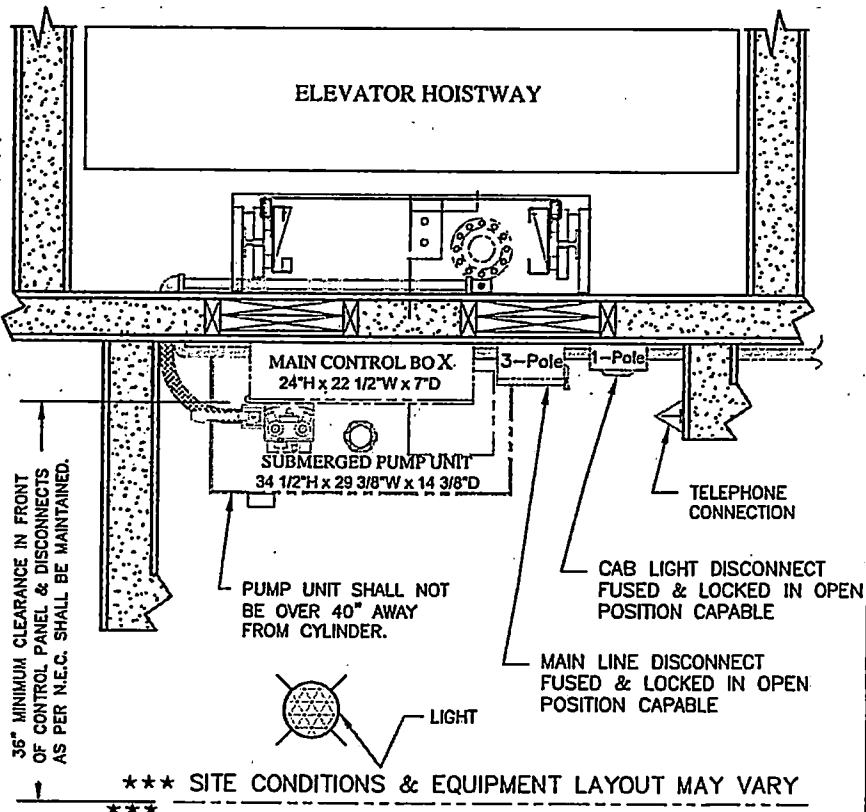
MODEL: 1:2 ROPED-HYDRO
SCALE: NONE DATE: 6/5/2020
AC-CREDITED HOME ELEVATOR
DRAWING NUMBER: Acc

JOB: 768 Princeton Ave. Brick, NJ

CONCEPTUAL MACHINE SPACE

NOTES:

- 1) LOCAL, STATE, & NATIONAL CODES MUST ALWAYS BE FOLLOWED.
- 2) CONTROL EQUIPMENT SHALL BE LOCATED EITHER ADJACENT OR REMOTE BUT ALWAYS EXTERNAL TO THE HOIST WAY IN A SPACE COMPLIANT WITH N.E.C.
- 3) ALL WORKING CLEARANCES SHALL CONCUR WITH N.E.C. IF CLOSING OF MACHINE ROOM/SPACE DOOR RESULTS IN CLEARANCES LESS THAN N.E.C. REQUIREMENTS, A MEANS OF SECURING THE DOOR IN THE OPEN POSITION SHALL BE SUPPLIED.
- 4) IF IN A FLOOD ZONE:
ALL ELEVATOR EQUIPMENT SHALL BE LOCATED ABOVE FLOOD PLANE AND UNIT SHALL BE EQUIPPED WITH PIT FLOAT SWITCH BY OTHERS AS PER SEI/ASCE 24-14
- 5) DEALER IS RESPONSIBLE FOR INSURING THAT THE MACHINE SPACE LAYOUT AND THE MACHINE LOCATION MEET CODE REQUIREMENTS IMPOSED BY LOCAL AUTHORITY HAVING JURISDICTION.

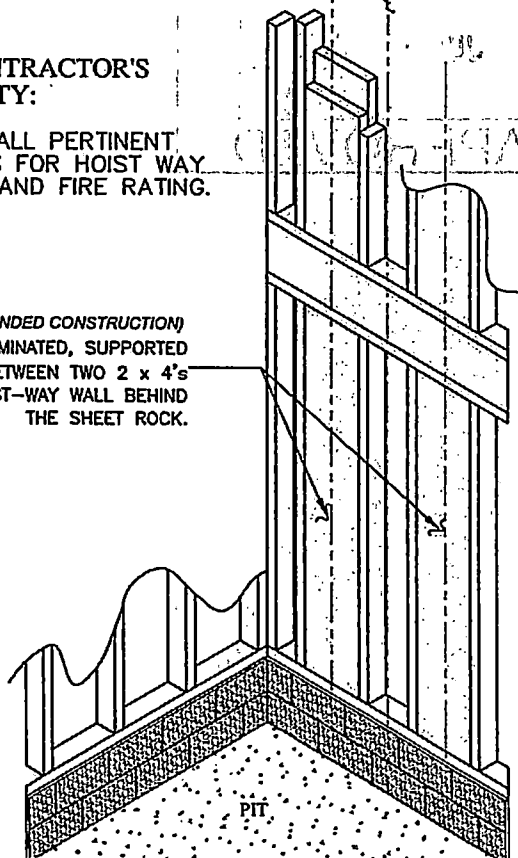


LOAD BEARING WALL

GENERAL CONTRACTOR'S RESPONSIBILITY:

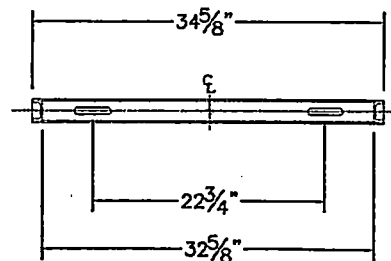
- 1) COMPLY TO ALL PERTINENT BUILDING CODES FOR HOIST WAY CONSTRUCTION AND FIRE RATING.
(See: Work By Others).

(RECOMMENDED CONSTRUCTION)
TWO 2 x 12's LAMINATED, SUPPORTED AND FASTENED BETWEEN TWO 2 x 4's RECESSED IN HOIST-WAY WALL BEHIND THE SHEET ROCK.

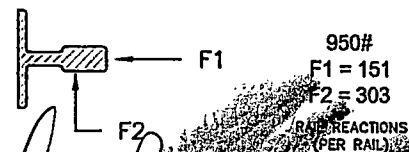


MOUNTING BRACKETS

RAIL CENTERLINE CAN BE LOCATED ON THE HOISTWAY PLAN VIEW DRAWING.



RAIL REACTIONS



APPROVED BY: *[Signature]* DATE: 6/2/2020

ACCREDITED HOME ELEVATOR

1:2 TROPED HYDRO

SCALE: NONE

DATE: 6/2/2020

DRAWN BY: J.C.

DRAWING NUMBER: Acc

768 Princeton Ave. Brick, NJ



ACCREDITED HOME ELEVATOR COMPANY

127 Route 9 South
Barnegat, NJ 08005

1-800-488-5905 609-660-8000
Fax: 609-660-8336

2501 Fire Road
Egg Harbor Twp, NJ 08234

7/6 Bldg. Review

June 30, 2020

Brick Township
Attn: Ray
Elevator Subcode Official

RECEIVED
JUL 02 2020
BUILDING

RE: FLOOD CERTIFICATE & MACHINE ROOM LOCATION

Enclosed you will find the drawings for the address below. Any expedition would be greatly appreciated. If you need further information, please feel free to contact us.

768 Princeton Avenue, Brick Township, NJ, 08724

Block: 942

Lot: 99.01

BFE = AE 8

Slab Elevation = 5'

Equipment location = 9'

Equipment will be located on a platform 1' above base flood elevation = 9'

Scott Wallace, Jr. :cg



Accredited Home Elevator



*Elevator & Electric
in plans*



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Eck-Air Inc.

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13vh01076400

Heat Load Summary Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room Name	Square Ft.	Heating Loss BTUH	Hydronic Heat Linear Ft.	Latent / Sensible Gain BTUH	Cooling Gain BTUH	Cooling Tons	Cooling CFM
FOYER	74	5846	9.74	1228 / 1422	2650	0.22	88
bed	207.24	5364	8.94	574 / 4229	4803	0.4	160
bath	63.64	1319	2.2	106 / 324	430	0.04	14
laundry	77.72	2665	4.44	129 / 3265	3394	0.28	113
powder	45.6	1194	1.99	76 / 1333	1408	0.12	47
closet	49.98	629	1.05	83 / 143	226	0.02	8
KIT	120	2088	3.48	199 / 502	701	0.06	23
DIN	154	4766	7.94	256 / 3796	4052	0.34	135
LIV	770	15920	26.53	2385 / 6353	8738	0.73	291
TOTALS	1563	39792	66.32	5036 / 21367	26403	2.2	879

Disclaimer

These computed results should be treated as estimates only and should be viewed as only one of the many tools required for a professional installation. The installing contractor's experience and expert judgement are also major factors in sizing and installing a complete system. The weather, customer usage, duct installation, and structure design may vary on each estimate and should be taken into account. Correct system sizing is based on the systems ability to meet both latent and sensible heat requirements, not just total BTUs.

Eck-Air Inc.

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Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 1 of 9

Room Specifications: FOYER

Room Length (Ft.) : 7.4
Room Height : 9
Room Width (Ft.) : 10
COOLING BTUH THIS ROOM : 2650

Calculated Results and Default Values

Area of Room (Square Feet.) : 74
Area of Room (Cubic Feet.) : 666
Heating BTUH This Room : 5846
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 88

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 6" Round Metal
Supply Grill Size (In.) : 10x6" Supply Grille
Return Round Duct Size (In.) : 6" Round Metal
Return Grill Size (In.) : 10x4" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : --
Supply Grill Size (In.) : --
Number of Runs Required : --
CFM per run : --

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

Supply Ducts
0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

Return Ducts
0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

Eck-Air Inc.

17 cathy drive robbinsville, nj 08691
Phone: 609 209 7863 Fax: 609 443 9696 E-mail: ecksairinc@optonline.net
13vh01076400

Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 2 of 9

Room Specifications: bed

Room Length (Ft.) : 15.7
Room Height : 9
Room Width (Ft.) : 13.2
COOLING BTUH THIS ROOM : 4803

Calculated Results and Default Values

Area of Room (Square Feet.) : 207.24
Area of Room (Cubic Feet.) : 1865.16
Heating BTUH This Room : 5364
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 160

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 8" Round Metal
Supply Grill Size (In.) : 12x6" Supply Grille
Return Round Duct Size (In.) : 8" Round Metal
Return Grill Size (In.) : 12x6" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : --
Supply Grill Size (In.) : --
Number of Runs Required : --
CFM per run : --

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

Supply Ducts
0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

Return Ducts
0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

Eck-Air Inc.

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13vh01076400

Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 3 of 9

Room Specifications: bath

Room Length (Ft.) : 8.6
Room Height : 9
Room Width (Ft.) : 7.4
COOLING BTUH THIS ROOM : 430

Calculated Results and Default Values

Area of Room (Square Feet.) : 63.64
Area of Room (Cubic Feet.) : 572.76
Heating BTUH This Room : 1319
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 14

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 5" Round Metal
Supply Grill Size (In.) : 8x4" Supply Grille
Return Round Duct Size (In.) : 5" Round Metal
Return Grill Size (In.) : 8x4" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : --
Supply Grill Size (In.) : --
Number of Runs Required : --
CFM per run : --

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

Supply Ducts
0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

Return Ducts
0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

Eck-Air Inc.

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13vh01076400

Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 4 of 9

Room Specifications: laundry

Room Length (Ft.) : 11.6
Room Height : 9
Room Width (Ft.) : 6.7
COOLING BTUH THIS ROOM : 3394

Calculated Results and Default Values

Area of Room (Square Feet.) : 77.72
Area of Room (Cubic Feet.) : 699.48
Heating BTUH This Room : 2665
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 113

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 7" Round Metal
Supply Grill Size (In.) : 12x6" Supply Grille
Return Round Duct Size (In.) : 7" Round Metal
Return Grill Size (In.) : 10x6" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : —
Supply Grill Size (In.) : —
Number of Runs Required : —
CFM per run : —

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

Supply Ducts
0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

Return Ducts
0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

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13vh01076400

Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 5 of 9

Room Specifications: powder

Room Length (Ft.) : 6
Room Height : 9
Room Width (Ft.) : 7.6
COOLING BTUH THIS ROOM : 1408

Calculated Results and Default Values

Area of Room (Square Feet.) : 45.6
Area of Room (Cubic Feet.) : 410.4
Heating BTUH This Room : 1194
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 47

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 5" Round Metal
Supply Grill Size (In.) : 8x4" Supply Grille
Return Round Duct Size (In.) : 5" Round Metal
Return Grill Size (In.) : 8x4" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : --
Supply Grill Size (In.) : --
Number of Runs Required : --
CFM per run : --

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Ducts
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

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13vh01076400

Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 6 of 9

Room Specifications: closet

Room Length (Ft.) : 9.8
Room Height : 9
Room Width (Ft.) : 5.1
COOLING BTUH THIS ROOM : 226

Calculated Results and Default Values

Area of Room (Square Feet.) : 49.98
Area of Room (Cubic Feet.) : 449.82
Heating BTUH This Room : 629
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 8

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 5" Round Metal
Supply Grill Size (In.) : 8x4" Supply Grille
Return Round Duct Size (In.) : 5" Round Metal
Return Grill Size (In.) : 8x4" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : —
Supply Grill Size (In.) : —
Number of Runs Required : —
CFM per run : —

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
150 to 200 CFM : 8" Round Metal
200 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

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Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 7 of 9

Room Specifications: KIT

Room Length (Ft.) : 10
Room Height : 9
Room Width (Ft.) : 12
COOLING BTUH THIS ROOM : 701

Calculated Results and Default Values

Area of Room (Square Feet.) : 120
Area of Room (Cubic Feet.) : 1080
Heating BTUH This Room : 2088
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 23

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 5" Round Metal
Supply Grill Size (In.) : 8x4" Supply Grille
Return Round Duct Size (In.) : 5" Round Metal
Return Grill Size (In.) : 8x4" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : --
Supply Grill Size (In.) : --
Number of Runs Required : --
CFM per run : --

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
150 to 200 CFM : 8" Round Metal
200 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

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Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 8 of 9

Room Specifications: DIN

Room Length (Ft.) : 15.4
Room Height : 9
Room Width (Ft.) : 10
COOLING BTUH THIS ROOM : 4052

Calculated Results and Default Values

Area of Room (Square Feet.) : 154
Area of Room (Cubic Feet.) : 1386
Heating BTUH This Room : 4766
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 135

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 7" Round Metal
Supply Grill Size (In.) : 12x6" Supply Grille
Return Round Duct Size (In.) : 8" Round Metal
Return Grill Size (In.) : 12x6" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : --
Supply Grill Size (In.) : --
Number of Runs Required : --
CFM per run : --

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM :
351 to 600 CFM :
601 to 900 CFM :
901 to 1200 CFM :

Supply Ducts
10" Round Metal
12" Round Metal
14" Round Metal
16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Ducts
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM :
1001 to 1200 CFM :
1201 to 1400 CFM :
1401 to 1500 CFM :
1501 to 1600 CFM :
1601 to 1620 CFM :
1801 to 2000 CFM :
2001 to 2500 CFM :
2501 to 3000 CFM :
3001 to 3500 CFM :
3501 to 4000 CFM :

Return Ducts
19" Round Metal
21" Round Metal
23" Round Metal
24" Round Metal
25" Round Metal
26" Round Metal
27" Round Metal
31" Round Metal
34" Round Metal
36" Round Metal
39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.

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Duct Sizing Report for BUCCHINO/BRICK ZONE ONE LOT99-BLK942

Room 9 of 9

Room Specifications: LIV

Room Length (Ft.) : 35
Room Height : 9
Room Width (Ft.) : 22
COOLING BTUH THIS ROOM : 8738

Calculated Results and Default Values

Area of Room (Square Feet.) : 770
Area of Room (Cubic Feet.) : 6930
Heating BTUH This Room : 15920
Air Handler Design CFM Per Ton : 400
Minimum Air Handler CFM : 879
CFM FOR THIS ROOM : 291

Single Run Room Duct and Grill Size

Supply Round Duct Size (In.) : 10" Round Metal
Supply Grill Size (In.) : 14x8" Supply Grille
Return Round Duct Size (In.) : 11" Round Metal
Return Grill Size (In.) : 12x10" Return Grille

Multiple Run Room Duct and Grill Size

(To keep room supply CFM under 200 per run)
Supply Round Duct Size (In.) : 7" Round Metal
Supply Grill Size (In.) : 12x6" Supply Grille
Number of Runs Required : 2
CFM per run : 145.5

Single Central Return Air Duct and Grill Size

Return Duct Size (In.) : 18" Round Metal
Return Grill Size (In.) : 20x18" Return Grille

Multiple Central Return Air Duct and Grill Size

Return Duct Size (In.) : 14" Round Metal
Return Grill Size (In.) : 18x12" Return Grille
Number of Runs Required : 2
CFM per run : 439.5

Duct Sizing Specifications - Supply

Supply Ducts
0 to 50 CFM : 5" Round Metal
50 to 100 CFM : 6" Round Metal
100 to 150 CFM : 7" Round Metal
151 to 200 CFM : 8" Round Metal
201 to 275 CFM : 9" Round Metal

Supply Grills
8x4" Supply Grille
10x6" Supply Grille
12x6" Supply Grille
12x6" Supply Grille
14x6" Supply Grille

276 to 350 CFM : 10" Round Metal
351 to 600 CFM : 12" Round Metal
601 to 900 CFM : 14" Round Metal
901 to 1200 CFM : 16" Round Metal

Supply Grills
14x8" Supply Grille
12x12" Supply Grille
18x10" Supply Grille
18x12" Supply Grille

Duct Sizing Specifications - Returns

Return Ducts
0 to 50 CFM : 5" Round Metal
51 to 100 CFM : 6" Round Metal
101 to 125 CFM : 7" Round Metal
126 to 175 CFM : 8" Round Metal
176 to 225 CFM : 9" Round Metal
226 to 300 CFM : 11" Round Metal
301 to 400 CFM : 12" Round Metal
401 to 500 CFM : 14" Round Metal
501 to 600 CFM : 15" Round Metal
601 to 700 CFM : 16" Round Metal
701 to 800 CFM : 17" Round Metal
801 to 900 CFM : 18" Round Metal

Return Grills
8x4" Return Grille
10x4" Return Grille
10x6" Return Grille
12x6" Return Grille
12x8" Return Grille
12x10" Return Grille
16x10" Return Grille
18x12" Return Grille
20x12" Return Grille
24x12" Return Grille
18x18" Return Grille
20x18" Return Grille

901 to 1000 CFM : 19" Round Metal
1001 to 1200 CFM : 21" Round Metal
1201 to 1400 CFM : 23" Round Metal
1401 to 1500 CFM : 24" Round Metal
1501 to 1600 CFM : 25" Round Metal
1601 to 1620 CFM : 26" Round Metal
1801 to 2000 CFM : 27" Round Metal
2001 to 2500 CFM : 31" Round Metal
2501 to 3000 CFM : 34" Round Metal
3001 to 3500 CFM : 36" Round Metal
3501 to 4000 CFM : 39" Round Metal

Return Grills
24x18" Return Grille
30x18" Return Grille
24x24" Return Grille
36x18" Return Grille
36x18" Return Grille
40x18" Return Grille
36x24" Return Grille
48x20" Return Grille
48x24" Return Grille
60x24" Return Grille
60x30" Return Grille

Room Notes

Disclaimer

The original factory round duct and grill sizes are based on a static pressure of 0.1 inch Mercury. The return grills are sized to approximately 2.7 CFM per Sq. In. of grill area. These are the values the program is shipped with. This program also allows the user to change the initial suggested sizes to those design sizes most suited or required in your area and we strongly suggest you do. While proper sizing is critical, sound judgement by professionals with proficient skill in design and installation is also required to assure proper airflow.



N9MSB

PS 90

Product Specifications

92.1% AFUE, Single Stage, PSC Gas Furnace

EASIER TO SELL

- 92.1% AFUE, all models all positions, California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for Twinning applications (0601714 through 1202420) with accessory (order separately)
- Approved for Manufactured Housing/Mobile Home applications (0401410 through 1202420) with accessory (order separately)

TOUGHER

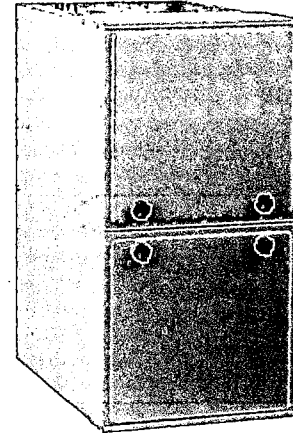
- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ aluminized steel primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct Ignition with Silicon Nitride ignitor
- High quality, corrosion-resistant, prepainted steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal & electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

WARRANTY *

- 20 heat exchanger limited warranty
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



Illustrations and photographs are only representative.
Some product models may vary.



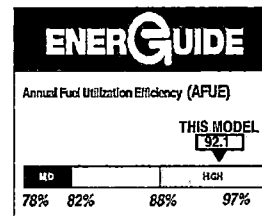
WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD

Failure to follow this warning could result in personal injury, death, and/or property damage.

This furnace is not designed for use in recreation vehicles or outdoors. This furnace is designed for use in manufactured (Mobile) homes when an optional Mobile Home accessory kit is installed.

Failure to follow this warning could result in personal injury, death, and/or property damage.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Dimensions H x W x D Inches (Millimeters)	Shipping Wt. Lbs (Kg)
N9MSB0401410A	40,000	92.1%	625-905	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	123 (55)
N9MSB0601410A	60,000	92.1%	675-1130	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	127 (57)
N9MSB0601714A	60,000	92.1%	650-1420	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	144 (65)
N9MSB0801716A	80,000	92.1%	810-1600	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	154 (69)
N9MSB0802120A	80,000	92.1%	1225-2025	35 x 21 x 29-1/2 (889 x 533 x 750)	162 (73)
N9MSB1002114A	100,000	92.1%	695-1565	35 x 21 x 29-1/2 (889 x 533 x 750)	169 (76)
N9MSB1002120A	100,000	92.1%	1225-2145	35 x 21 x 29-1/2 (889 x 533 x 750)	169 (76)
N9MSB1202420A	120,000	92.1%	1245-2065	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	186 (84)

PRODUCT SPECIFICATIONS
Gas Furnace: N9MSB
PHYSICAL DATA

UNIT SIZE (NATURAL GAS Ratings)				0401410A	0601410A	0601714A	0801716A
Input	Heat	(BTUH)		40,000	60,000	60,000	80,000
Output	Heat	(BTUH)		39,000	58,000	58,000	78,000
Efficiency	AFUE % (ICS)			92.1			
Certified Temperature Rise Range °F (°C)				40-70(22-39)			
UNIT SIZE (NATURAL GAS Ratings)				0802120A	1002114A	1002120A	1202420A
Input	Heat	(BTUH)		80,000	100,000	100,000	120,000
Output	Heat	(BTUH)		78,000	97,000	97,000	117,000
Efficiency	AFUE % (ICS)			92.1			
Certified Temperature Rise Range °F (°C)				40-70(22-39)			

ICS — Isolated Combustion System

AIRFLOW CAPACITY AND BLOWER DATA

UNIT SIZE			0401410A	0601410A	0601714A	0801716A
Certified External Static Pressure in.w.c.(kPa)	Heating		0.10(.025)	0.12(.05)	0.12(.05)	0.15(.38)
	Cooling		.5 (.125)			
Airflow Delivery @ Rated ESP (CFM)	Heating		820	840	980	1040
	Cooling		905	1130	1420	1600
Cooling Capacity (tons) @ 400, 350 CFM/ton	400 CFM/ton		2	2.5	3.5	4
	350 CFM/ton		2.5	3	4	4.5
Direct-Drive Motor Type			PSC – Permanent Split Capacitor			
Direct-Drive Motor HP			0.5	0.5	0.5	0.75
Motor Full Load Amps			6.2	6.2	6.8	7.9
RPM Range			500-1150			
Speed Selections			4	4	5	5
Blower Wheel Dia x Width		inches	11 x 7	11 x 7	11 x 8	11 x 8
Air Filtration System			Field Supplied			
Filter Used for Certified Watt Data			NAHA00806FB		NAHA00506FB	
UNIT SIZE			0802120A	1002114A	1002120A	1202420A
Certified External Static Pressure in.w.c.(kPa)	Heating		0.15(.38)	0.20(.050)	0.20(.050)	0.20(.050)
	Cooling		.5 (.125)			
Airflow Delivery @ Rated ESP (CFM)	Heating		1500	1565	1520	2210
	Cooling		2025	1565	2145	2065
Cooling Capacity (tons) @ 400, 350 CFM/ton	400 CFM/ton		5	4	5	5
	350 CFM/ton		5.5	4.5	6	6
Direct-Drive Motor Type			PSC – Permanent Split Capacitor			
Direct-Drive Motor HP			0.75	0.75	0.75	0.75
Motor Full Load Amps			13.8	6.5	13.8	14.1
RPM Range			500-1150			
Speed Selections			5	5	5	5
Blower Wheel Dia x Width		inches	11 x 10	11 x 10	11 x 10	11 x 11
Air Filtration System			Field Supplied			
Filter Used for Certified Watt Data			NAHA00606FB		NAHA00706FB	



N4A3

Performance Series

Product Specifications

EFFICIENT 13 SEER AIR CONDITIONER

ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1-1/2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

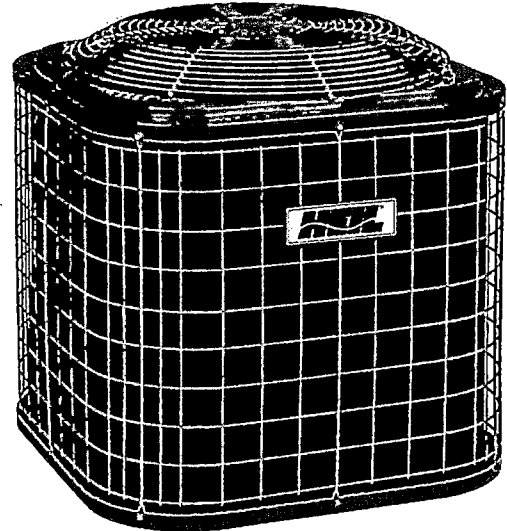
BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) grille spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
N4A318AKB	1-1/2	18,000	11.8	20	25-5/16 x 23-1/8 x 23-1/8 (643 x 587 x 587)	130 / 107 (59 / 49)
18GKB	same model with 3/8" (10mm) spacing inlet grille (hail guard)					
N4A324AKB	2	24,000	17.6	25	25-5/16 x 23-1/8 x 23-1/8 (643 x 587 x 587)	134 / 110 (61 / 50)
24GKB	same model with 3/8" (10mm) spacing inlet grille (hail guard)					
N4A330AKC	2-1/2	30,000	16.8	25	28-11/16 x 23-1/8 x 23-1/8 (729 x 587 x 587)	136 / 111 (62 / 50)
30GKC	same model with 3/8" (10mm) spacing inlet grille (hail guard)					
N4A336AKB	3	36,000	21.5	30	31-13/16 x 25-3/4 x 25-3/4 (808 x 654 x 654)	170 / 141 (77 / 64)
36GKB	same model with 3/8" (10mm) spacing inlet grille (hail guard)					
N4A342AKA	3-1/2	42,000	23.5	40	32-5/16 x 31-3/16 x 31-3/16 (821 x 792 x 792)	208 / 180 (94 / 82)
42GKA	same model with 3/8" (10mm) spacing inlet grille (hail guard)					
N4A348AKB	4	48,000	26.2	40	35-3/4 x 31-3/16 x 31-3/16 (908 x 792 x 792)	215 / 178 (98 / 81)
48GKB	same model with 3/8" (10mm) spacing inlet grille (hail guard)					
N4A360AKC	5	60,000	34.2	50	25-1/2 x 31-3/16 x 31-3/16 (648 x 792 x 792)	218 / 184 (99 / 84)
60GKC	same model with 3/8" (10mm) spacing inlet grille (hail guard)					

PHYSICAL DATA							
Model Size	18	24	30	36	42	48	60
Nominal Cooling Capacity (BTU/hr)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Nominal SEER	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Sound Rating (dBA)**	72	76	74	75	78	80	78
PSC Fan Motor HP	1/12	1/10	1/10	1/4	1/5	1/4	1/4
Fan RPM (single speed)	1100	1100	1100	1100	1100	1100	800
Fan CFM	1792	2218	2218	2954	3167	3365	3365
Coil Face Area ft ² (m ²)	8.40 (.78)	8.40 (.78)	9.80 (.91)	13.13 (1.22)	17.25 (1.6)	19.40 (1.8)	12.93 (1.2)
Coil Rows – fins per inch	1 – 20	1 – 25	1 – 25	1 – 25	1 – 25	1 – 25	2 – 20
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
Recommended Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Recommended Line Set Vapor Tube Diameter in. (mm)	3/4 (19)*	3/4 (19)*	3/4 (19)*	7/8 (22)*	7/8 (22)*	7/8 (22)*	1 1/8 (29)*
* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to "Long Line" installations. When the total equivalent line length exceeds 80 feet (24.4m) or there is more than 20 feet (6.1m) vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets.							
Factory Charge R-410A lbs. (kg)	3.50 (1.59)	3.80 (1.72)	4.10 (1.86)	5.34 (2.42)	5.84 (2.65)	7.00 (3.18)	8.19 (3.71)
Required Subcooling ° F (° C)	10 (6)	10 (6)	10 (6)	14 (8)	10 (6)	15 (8)	13 (7)
Weight, shipping lbs. (kg)	130 (59)	134 (61)	136 (62)	170 (77)	208 (94)	216 (98)	218 (99)
Weight, operating lbs. (kg)	107 (49)	110 (50)	111 (50)	141 (64)	180 (82)	179 (81)	184 (84)

ELECTRICAL DATA (208/230–1–60, voltage range 197V – 253V)							
Model Size	18	24	30	36	42	48	60
Minimum Circuit Ampacity – MCA (amps)	11.8	17.6	16.8	21.5	23.5	26.2	34.2
Maximum OverCurrent Protective device – MOCP (amps)	20	25	25	30	40	40	50
Compressor RLA (Rated Load Amps) LRA (Locked Rotor Amps)	9.0 48.0	13.5 58.3	12.8 64.0	15.3 77.0	17.9 112.0	19.9 109.0	26.4 134.0
Fan Motor FLA (Full Load Amps)	.5	.77	.77	1.4	1.1	1.4	1.2

**Sound Rating tested in accordance with ARI Standard 270–95 (not listed with ARI).



N8MSN, N8MSL

PS 80

Product Specifications

80% Single Stage Heating Furnace

EASIER TO SELL

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC and 115 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes with approved kit
- N8MSL California NOx approved

TOUGHER

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

QUIETER

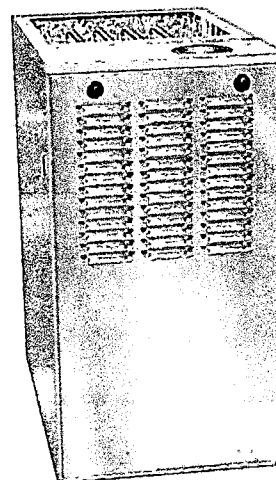
- In-shot burners

EASIER TO INSTALL AND SERVICE

- 33 1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

WARRANTY *

- 20 year heat exchanger limited warranty
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



Illustrations and photographs are only representative.
Some product models may vary.

WARNING

This furnace is not designed for use in mobile homes, trailers, or recreational vehicles. Such use could result in property damage and/or death.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

ISO 9001:2000



Model	Size	Input (MBTUH)	Efficiency AFUE	Cooling Capacity @ .5 in. w.c. (125 Pa)	Dimensions H x W x D Inches (Millimeters)	Shipping Wt. Lbs(Kg)
N8MSN N8MSL	0451408A	44,000	80%	2.0 TON	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)
	0451412A	44,000	80%	3.0 TON	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	107 (49)
	0701408A	66,000	80%	2.0 TON	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	111 (50)
	0701412A	66,000	80%	3.0 TON	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	115 (52)
	0701716A	66,000	80%	4.0 TON	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57)
	0901714A	88,000	80%	3.5 TON	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	127 (58)
	0902120A	88,000	80%	5.0 TON	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)
	1102122A	110,000	80%	5.0 TON	33-1/3 x 21 x 29 (847 x 533 x 737)	152 (69)
	1352116A	132,000	80%	4.0 TON	33-1/3 x 21 x 29 (847 x 533 x 737)	149 (68)
	1352422A	132,000	80%	5.0 TON	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	163 (74)

Specifications are subject to change without notice

441 11 1401 01 July 2010

PRODUCT SPECIFICATIONS
Gas Furnace: N8MSN & N8MSL

PHYSICAL DATA						
NATURAL GAS		0451408A	0451412A	0701708A	0701412A	0701416A
OUTPUT CAPACITY BTUH* (Nonweatherized ICS) †	N8MSL Upflow; all N8MSN	35,000	36,000	53,000	54,000	53,000
	N8MSL Downflow/Horizontal	34,000	34,000	51,000	51,000	51,000
INPUT BTUH*	N8MSL Upflow; all N8MSN	44,000	44,000	66,000	66,000	66,000
	N8MSL Downflow/Horizontal	42,000	42,000	63,000	63,000	63,000
AFUE%*	Nonweatherized ICS	80.0	80.0	80.0	80.0	80.0
TRANSFORMER (24 volt)		40 VA				
CERTIFIED TEMP RISE RANGE °F (°C)		30–60 (17–33)	20–50 (11–28)	40–70 (22–39)	30–60 (17–33)	25–55 (14–30)
CERTIFIED EXT STATIC PRESSURE	Heating	0.10	0.10	0.12	0.12	0.12
	Cooling	0.50	0.50	0.50	0.50	0.50
AIRFLOW CFM‡	Heating	920	1250	720	1195	1450
	Cooling	845	1160	900	1200	1530
LIMIT CONTROL		SPST				
HEATING BLOWER CONTROL		Solid-State Time Operation				
BURNERS (Monoport)		2	2	3	3	3
GAS CONNECTION SIZE		1/2 inch NPT				
GAS VALVE (Redundant) Manufacturer		White-Rodgers				
Minimum Inlet Pressure (in. w.c.)		4.5 (Natural Gas)				
Maximum Inlet Pressure (in. w.c.)		13.6 (Natural Gas)				
IGNITION DEVICE		Hot Surface				
COOLING CAPACITY (tons)		2.0	3.0	2.0	3.0	4.0

NATURAL GAS		0901714A	0902120A	1102122A	1352116A	1352422A
OUTPUT CAPACITY BTUH* (Nonweatherized ICS) †	N8MSL Upflow; all N8MSN	71,000	71,000	89,000	107,000	107,000
	N8MSL Downflow/Horizontal	68,000	68,000	85,000	102,000	102,000
INPUT BTUH*	N8MSL Upflow; all N8MSN	88,000	88,000	110,000	132,000	132,000
	N8MSL Downflow/Horizontal	84,000	84,000	105,000	126,000	126,000
AFUE%*	Nonweatherized ICS	80.0	80.0	80.0	80.0	80.0
TRANSFORMER (24 volt)		40 VA				
CERTIFIED TEMP RISE RANGE °F (°C)		40–70 (22–39)	25–55 (14–30)	30–60 (17–33)	50–80 (28–44)	40–70 (22–39)
CERTIFIED EXT STATIC PRESSURE	Heating	0.15	0.15	0.20	0.20	0.20
	Cooling	0.50	0.50	0.50	0.50	0.50
AIRFLOW CFM‡	Heating	1375	1990	1900	1525	1850
	Cooling	1385	2025	2220	1710	2110
LIMIT CONTROL		SPST	SPST			
HEATING BLOWER CONTROL		Solid-State Time Operation				
BURNERS (Monoport)		4	4	5	6	6
GAS CONNECTION SIZE		½ inch NPT				
GAS VALVE (Redundant) Manufacturer		White-Rodgers				
Minimum Inlet Pressure (in. w.c.)		4.5 (Natural Gas)				
Maximum Inlet Pressure (in. w.c.)		13.6 (Natural Gas)				
IGNITION DEVICE		Hot Surface				
COOLING CAPACITY (tons)		3.5	5.0	5.0	4.0	5.0

* Gas input ratings are certified for elevations to 2000 ft. (610 M). In USA, for elevations above 2000 ft. (610 M), reduce ratings 4 percent for each 1000 ft. (305 M) above sea level. Refer to National Fuel Gas Code NFPA 54/ANSI Z223.1—2009 Table F.4 or furnace Installation Instructions.

† Capacity in accordance with U.S. Government DOE test procedures.

‡ Airflow shown is for bottom only return—air supply in comfort mode (as shipped). For air delivery above 1800 CFM, see Air Delivery Table for other options. A filter is required for each return-air supply.

ICS — Isolated Combustion System

ELECTRICAL DATA

N8MSN & N8MSL	VOLTS HERTZ PHASE	OPERATING VOLTAGE RANGE		MAXIMUM UNIT AMPS	MAXIMUM LENGTH FT (M)‡	MAXIMUM FUSE OR CKT BKR AMPS†	MINIMUM WIRE GAGE
		Maximum*	Minimum*				
0451408A	115-60-1	127	104	5.4	49 (14.9)	15	14
0451412A	115-60-1	127	104	7.0	39 (11.8)	15	14
0701408A	115-60-1	127	104	5.0	52 (15.8)	15	14
0701412A	115-60-1	127	104	6.8	40 (12.1)	15	14
0701716A	115-60-1	127	104	9.5	29 (8.8)	15	14
0901714A	115-60-1	127	104	8.2	34 (10.3)	15	14
0902120A	115-60-1	127	104	13.6	32 (9.7)	20	12
1102122A	115-60-1	127	104	14.8	30 (9.1)	20	12
1352116A	115-60-1	127	104	10.2	27 (8.2)	15	14
1352422A	115-60-1	127	104	14.4	30 (9.1)	20	12

* Permissible limits of the voltage range at which unit operates satisfactorily.

† Time-delay type is recommended.

‡ Length shown is as measured 1 way along wire path between unit and service panel for maximum 2 percent voltage drop.

TOWNSHIP OF BRICK

DEBRIS FORM

WORK SITE ADDRESS: 768 Princeton Ave

BLOCK: 942 LOT: 99

CONTRACTOR: Bucchino General Contracting
45 Whitehorse Ave.
Hamilton, NJ 08610

CONTRACTOR'S ADDRESS: _____

Type of Construction(minor, new home): New Home

Type of Debris (shingles, siding, wood, etc.): All

Party responsible for removal: MAZZA

Dumpster Size: 30 yard

Destination of Debris: _____

Any recyclable material must be delivered to an approved recycling center and receipts provided to the Building Department along with tipping receipts for non-recyclables.

Generator's Certification: "Under penalty of criminal and civil prosecution for the making or submission of false statements, representations or omissions, I declare, on behalf of the generator that the contents of this document are fully and accurately described above and have been disposed of in accordance with all applicable State and Federal laws and regulations, and I have been authorized in writing, to make such declaration by the person in charge of the generator's operation."

Michael Bucchino
Signature

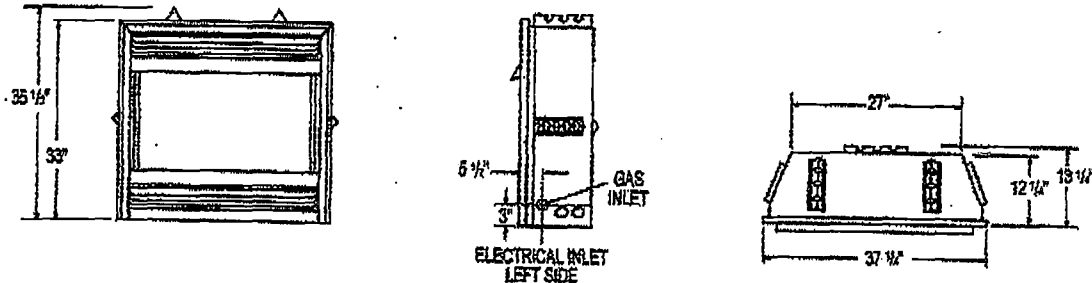
3/28/2020
Date

Michael Bucchino
Print Name

BVF36

4

2.1 DIMENSIONS



2.2 GENERAL INSTRUCTIONS

CARBON MONOXIDE POISONING MAY LEAD TO DEATH EARLY SIGNS OF CARBON MONOXIDE POISONING RESEMBLE THE FLU, WITH HEADACHE, DIZZINESS AND/OR NAUSEA. IF YOU HAVE THESE SIGNS, THE HEATER MAY NOT BE WORKING PROPERLY. GET FRESH AIR AT ONCE! HAVE HEATER SERVICED. SOME PEOPLE—PREGNANT WOMEN, PERSONS WITH HEART OR LUNG DISEASE, ANEMIA, THOSE UNDER THE INFLUENCE OF ALCOHOL, THOSE AT HIGH ALTITUDES— ARE MORE AFFECTED BY CARBON MONOXIDE THAN OTHERS.
THE APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE RATING PLATE. THIS APPLIANCE IS NOT CONVERTIBLE FOR USE WITH OTHER GASES.
OBJECTS PLACED IN FRONT OF THE HEATER SHOULD BE KEPT A MINIMUM OF 48" AWAY FROM THE FRONT FACE OF THE APPLIANCE.
USE ONLY WOLF STEEL APPROVED OPTIONAL ACCESSORIES AND REPLACEMENT PARTS WITH THIS APPLIANCE. USING NON-LISTED ACCESSORIES AND REPLACEMENT PARTS (BLOWERS, LOUVRES, TRIMS, GAS COMPONENTS, VENT COMPONENTS, ETC.) COULD RESULT IN A SAFETY HAZARD AND WILL VOID THE LIMITED LIFETIME WARRANTY.
NOT DESIGNED FOR USE WITH A GLASS DOOR. SCREEN MUST BE CLOSED WHEN APPLIANCE IS IN OPERATION.
THIS APPLIANCE MUST NOT BE INSTALLED IN A BEDROOM OR BATHROOM.

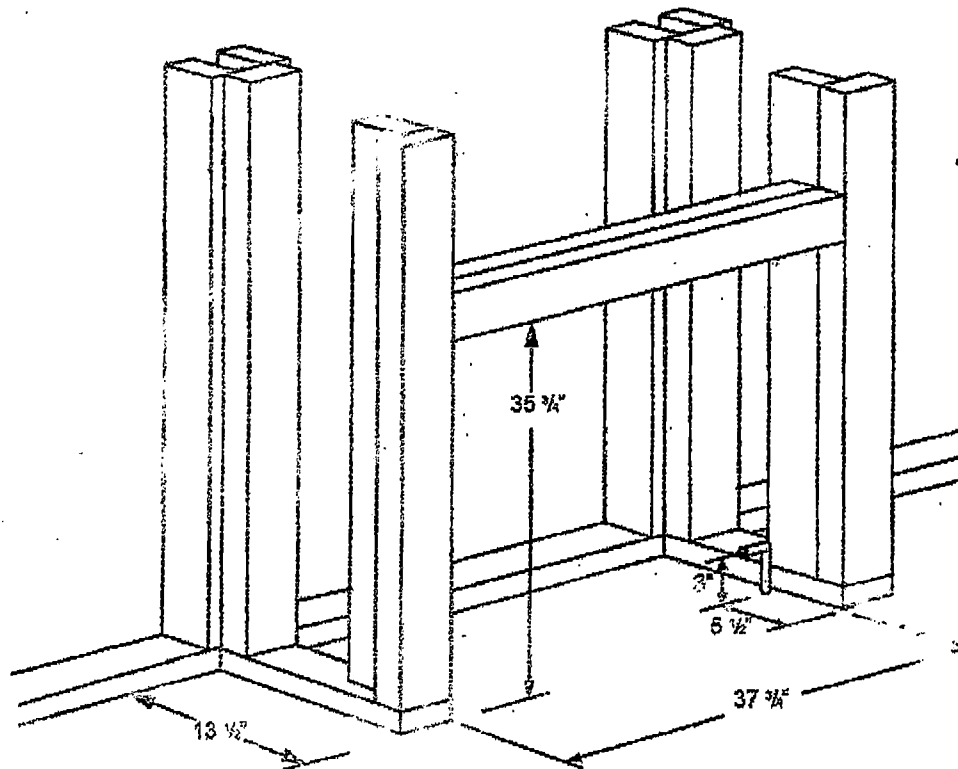
This gas appliance should be installed and serviced by a qualified installer to conform with local codes. Installation practices vary from region to region and it is important to know the specifics that apply to your area, for example: in Massachusetts State:

- The appliance off valve must be a "T" handle gas cock.
- The flexible connector must not be longer than 36".
- The appliance is not approved for installation in a bedroom or bathroom unless the appliance is a direct vent sealed combustion product.
- A carbon monoxide detector is required in all rooms containing gas fired appliances.
- **WARNING:** This product must be installed by a licensed plumber or gas fitter when installed within the commonwealth of Massachusetts.
- Un-vented room appliance shall be installed in accordance with 527 CMR 30.00 and 248 CMR 3.00 through 7.00.
- Sellers of un-vented propane or natural gas-fired space / room appliances shall provide to each purchaser a copy of 527 CMR 30.00 upon the sale of the appliance from http://www.napoleonfireplaces.com/Webstore/installation_manuals/mass_requirements.pdf

GVF36

11

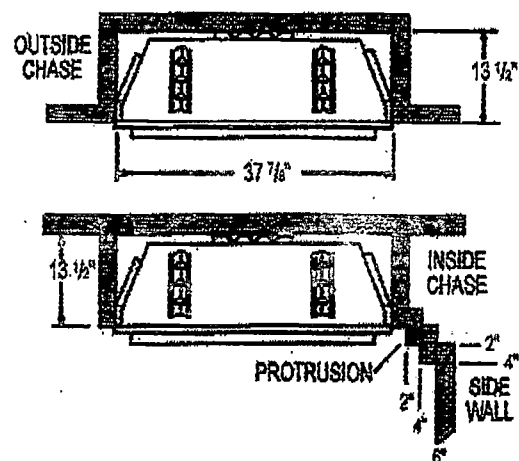
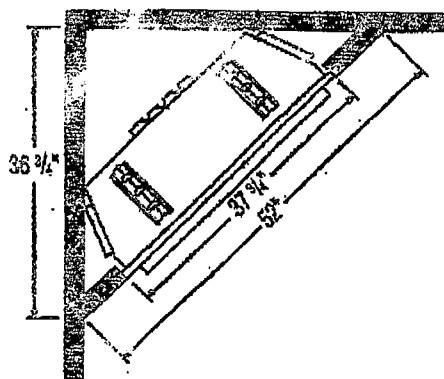
It is best to frame your fireplace after it is positioned. Use 2x4's and frame to local building codes.



4.1 MINIMUM CLEARANCE TO COMBUSTIBLES

Combustible protrusions such as mantels and shelves may occur at or after a minimum distance of 2" away from the side of the appliance. Thereafter, the depth of any protrusions must be of equal to or less than the distance from the side of the appliance up to a depth of 6", after which no greater clearance than 6" is required. This can be considered a side wall with no length boundary.

Minimum clearance to combustible construction from appliance:	
Sides, back, bottom & top of the unit	0 inch
Recessed depth	13 1/2 inches



TOWNSHIP OF BRICK

ADDRESS:

768 Princeton Ave.

CONSTRUCTION PERMIT FEES:

BUILDING

\$

ELECTRIC

\$

PLUMBING

\$

FIRE

\$

STATE PERMIT FEE

\$

CERTIFICATE OF OCCUPANCY

\$

PROTOTYPE PROCESSING
(LESS 25%)

\$

STATE PLAN REVIEW (LESS
25%)

\$

SUBTOTAL \$

PRIOR APPROVAL FEES:

ZONING

\$

ENGINEERING

\$

SUBTOTAL \$

4183 + 575 + 297 =

TOTAL PERMIT FEE: \$

5055.-

PLEASE NOTE PAYMENT FOR PERMITS AND AFFORDABLE HOUSING ARE SEPARATE.

AFFORDABLE HOUSING FEES:

PRELIMINARY \$

1944.-

CALLER'S NAME

CW

DATE

7/30/20

SPOKE TO

Mike

(HOMEOWNER/CONTRACTOR)