

**CITY OF BETHLEHEM, PENNSYLVANIA
CODE BOARD OF APPEALS**

APPLICATION FOR APPEAL
SUBMIT \$100.00 FEE & ORIGINAL PLUS (6) COPIES

PROPERTY ADDRESS 941 6th AVENUE

OWNER CHRISTOPHER AND EMILY PALUBINSKI PHONE (215) 421-8826

OWNER'S ADDRESS 941 6th AVENUE

APPLICANT GREG TEITSWORTH CARPENTRY LLC PHONE (484) 695-1680

APPLICANT'S ADDRESS 225 W. MOUNTAIN RO. WIND GAP, PA 18091

APPLICANT'S EMAIL GXT121@gmail.com

REASON FOR APPEAL:


- The true intent of the Act or Uniform Construction Code was incorrectly interpreted.
- The provisions of the Act do not apply.
- An equivalent form of construction is to be used.
- Extension of time.

List section(s) of the Act which are being appealed and a brief description of remedy sought.

THE IRC R305.1, R305.1.1 (2018) - CEILING HEIGHT.
IRC 303-310 HABITABLE ROOMS IN GENERAL.

THE MAXIMUM CEILING HEIGHT IS 82"
NOT 84" as required by code.

THE HOME IS WELL OVER 50 years old and
BUILT WHEN THIS CODE WAS NOT A CONSIDERATION.
WE INTEND TO ADD TWO 400 CFM FANS TO
EXTERIOR TO COMPENSATE FOR THE REDUCED HEIGHT.

Signature  Date 1/12/2022

Description of work and reason for appeal:
Palubinski Residence: 941 6th Avenue Bethlehem, PA

Finish basement recreation room and bathroom:

The ceiling in the basement of the Palubinski residence is 82" from poured concrete floor to finished plaster. This existing condition does not allow for a finished height of 84" or 7' as specified in the 2018 edition of the IRC section R305.1 or 305.1.1. Section 301-310 gives all the conditions of habitable rooms and further explanation if applicable for review.

In order to satisfy the spirit of the rule we will provide two 400 cfm exhaust fans. These exhaust fans will be connected to hardwired smoke detectors through the use of a relay made by the smoke detector manufacturer.

The objective of installing the automated smoke detector triggered exhaust is to clear smoke at the ceiling level in the event of a fire in the basement. This would give the occupants equivalent time to exit the premises as a ceiling height 2" higher would allow.

Relay to be used- RM4 manufactured by First Alert

Exact fans to be used to be determined based on field conditions and best ventilation options when existing plaster ceiling is opened at beginning of construction. A preferred option is included for example.

Smoke Detectors are to be First Alert Brand compatible with relay.

Calculation used to determine fan size-

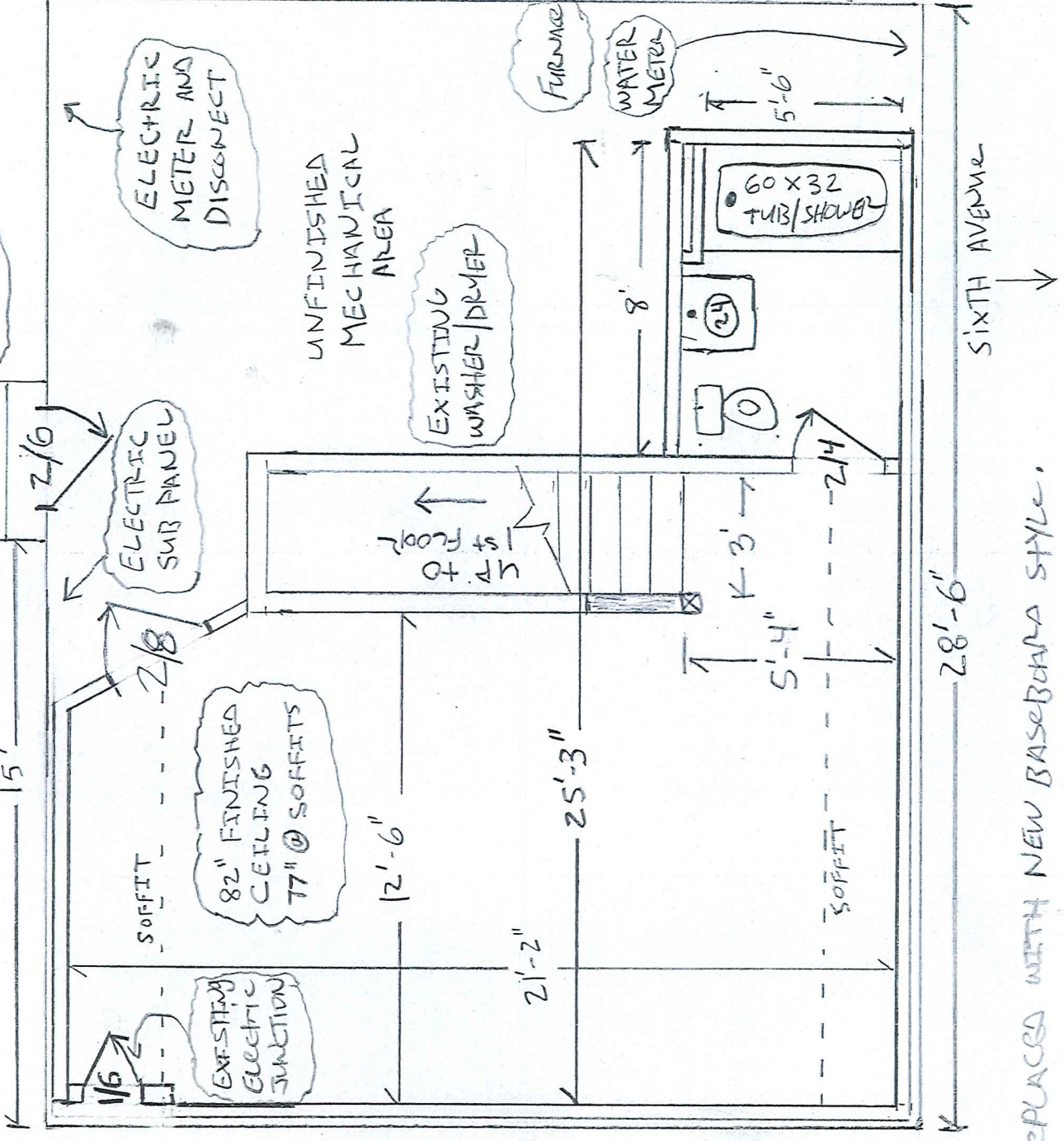
Area x Height x Air Change Per Hour/ 60 = CFM

627 square feet x 6.83 feet x 10 air changes per hour/60
equals = 713.735 CFM required

Thank you for your consideration,
Greg Teitsworth Carpentry LLC
225 W. Mountain Road
Wind Gap, PA 18091
(484)695-1680
gxt121@gmail.com

PALUBINSKI RESIDENCE (BASEMENT)
 941 6th AVENUE
 BETHLEHEM, PA 18018

* ORIGINAL PLAN
 SUBMITTED 12/21



- 1/4" = 1'
- NOTES:
- FINISH BASEMENT
 - 12'-6" x 21'-2" FAMILY ROOM
 - 5'-6" x 8' FULL BATHROOM.
 - 8 RECESSED LIGHTS TO BE INSTALLED.
 - 8 NEW SWITCHES TO BE INSTALLED.
 - GFCI AND BATHROOM VENTILATION FAN TO BE INSTALLED.
 - 2x4 WALLS TO BE INSULATED WITH R13 PAPER FACED INSULATION.
 - EXISTING PLASTER CEILING TO REMAIN.
 - EXISTING RADIATORS TO BE REPLACED WITH NEW BASEBOARD STYLE.

1/12/2022 REVISION WITH FAN AND SMOKE DETECTORS

PALURINSKI RESIDENCE (BASEMENT)

941 6th AVENUE

BETHLEHEM, PA 18018

1/4" = 1'  = FAN

 = SMOKE DETECTOR

NOTES:

FINISH BASEMENT

12'-6" x 21'-2"

FAMILY ROOM

5'-6" x 8' FULL

BATHROOM.

8 RECESSED LIGHTS

TO BE INSTALLED.

8 NEW SWITCHES

TO BE INSTALLED.

GFCI AND BATHROOM

VENTILATION FAN

TO BE INSTALLED.

2x4 WALLS TO BE

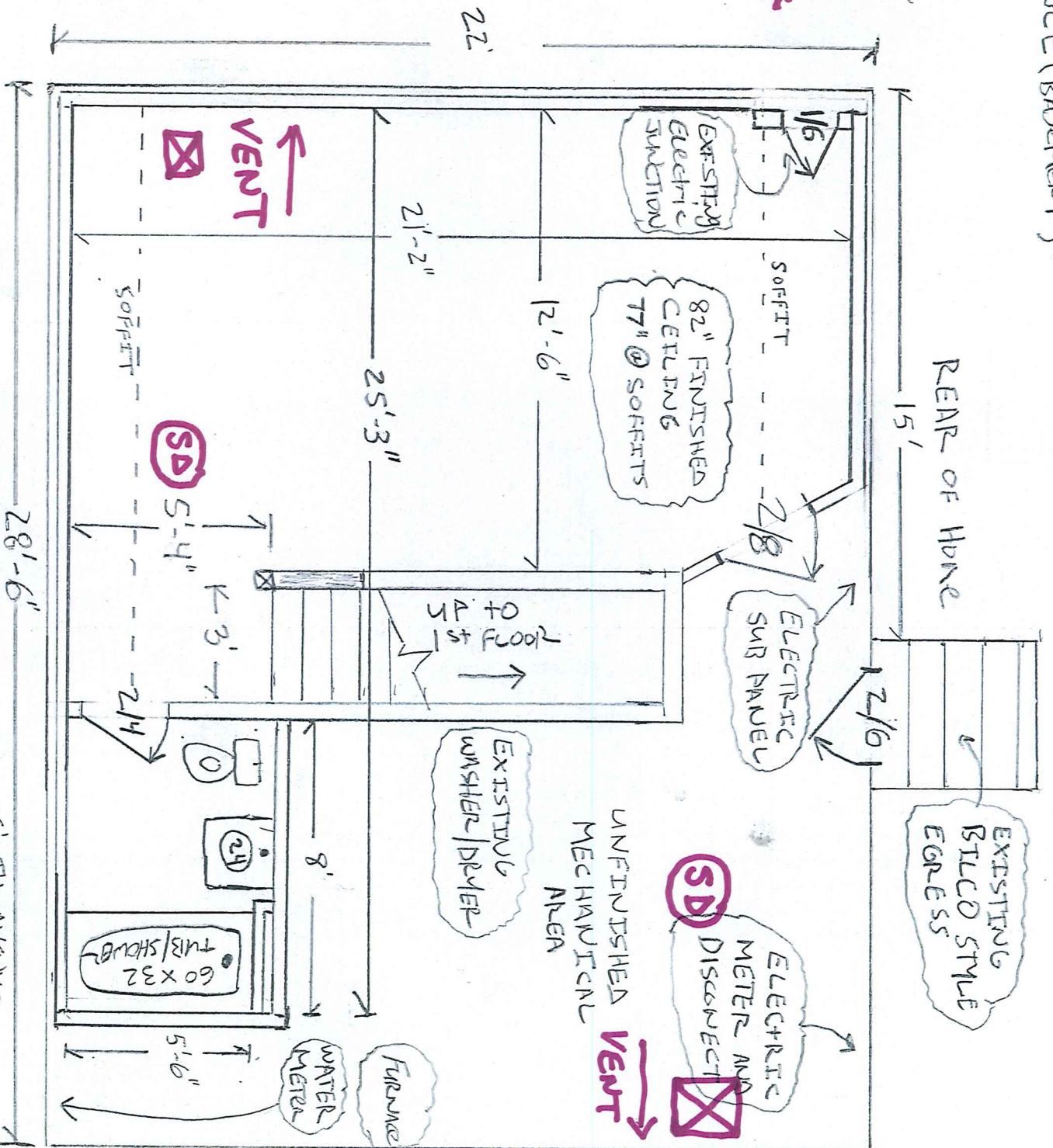
INSULATED WITH R13

PAPER FACED INSULATION.

EXISTING PLASTER

CEILING TO REMAIN.

EXISTING RADIATORS TO BE REPLACED WITH NEW BASEBOARD STYLE.



Specification Submittal Data / Panasonic Ventilation Fan

Description

Ventilating fan shall be low noise remote mount type rated for continuous run. Fan shall be ENERGY STAR® rated and certified by the Home Ventilating Institute (HVI). Evaluated by Underwriters Laboratories and conform to both UL and cUL safety standards.

Motor/Blower:

- Four-pole totally enclosed condenser motor rated for continuous run.
- Power rating shall be 120 volts and 60 Hz.
- Fan shall be UL listed for tub/shower enclosure when used with a GFCI branch circuit wiring.
- Motor equipped with thermal-cut-off fuse.

Housing:

- Galvanized steel body for long-life.
- Insulated housing to prevent condensation and noise.
- Tapered duct adapter for easy connection.

Easy Installation:

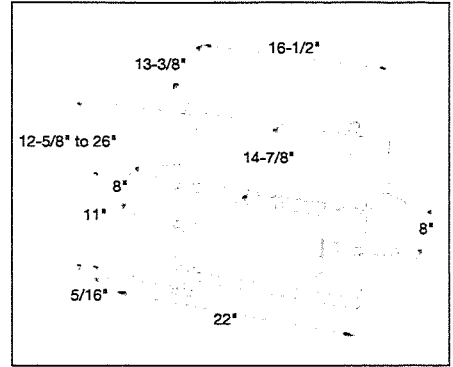
- 5 positions installation.
- Joist, truss and suspension brackets included.

Warranty:

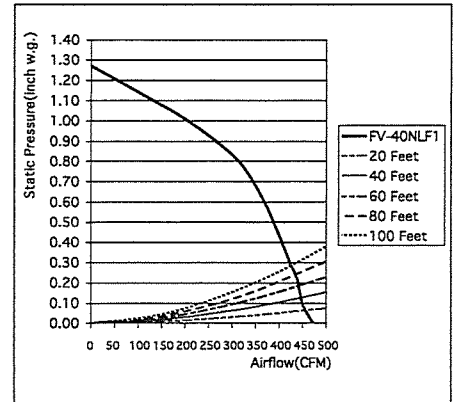
- 3-Year limited warranty.

Architectural Specifications:

Ventilating fan shall be remote mount, ENERGY STAR rated, with no less than 440 CFM as certified by the HVI at .2 static pressure in inches water gauge. Power consumption shall be no greater than 132 Watts, and energy efficiency rating shall be no less than 3.3 CFM/Watt. The motor shall be the totally enclosed, four pole condenser type engineered to run continuously. Power rating shall be 120v/60Hz. Housing shall be insulated to reduce condensation. Duct diameter shall be no less than 8". Fan shall be UL and cUL listed for tub/shower enclosure when used with GFCI branch circuit wiring. Brackets shall be provided for joist, truss or suspension installations. ASHRAE 62.2, LEED, ENERGY STAR IAP, CA Title 24, EarthCraft and WA Ventilation Code complaint.



FV-40NLF1



Specifications: WhisperLine FV-40NLF1					
Static Pressure in Inches w.g.	Air Volume (CFM)	Power Consumption (Watts)	Energy Efficiency (CFM / Watts)	Speed (RPM)	Current (amps)
0.2	440	132	3.3	1150	1.1
0.3	425	128			
0.4	408	122			

For complete Installation Instructions visit www.panasonic.com/building

Model	Quantity	Comments	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date:

Panasonic Home and Environment Company
Division of Panasonic Corporation of North America
One Panasonic Way
Secaucus, NJ 07094
www.panasonic.com/building



RM4 ACCESSORY RELAY

120V AC, 60 HZ, .02 AMP



**Works with all First Alert® and BRK®
"Smart Interconnect" CO Alarms**

**Interconnects smoke alarms, carbon
monoxide alarms, and heat alarms with:**

- Lights
- Exit Signals
- Exhaust Fans
- Sirens
- Escape Lights
- Other Auxiliary Devices