June 21st, 2022
DRC SUMMARY MEETING

WALK-IN COOLER ADDITION

89 Bethlehem Pike,
Philadelphia PA 19118

FRENCH CAFÉ & MARKET
MATINES CAFÉ

Maison Bruc LLC
dba **MATINES CAFÉ**
Amanda & Arthur de Bruc de Montplaisir

WE ARE ASKING FOR YOUR SUPPORT IN THE ADDITION OF A WALK-IN COOLER IN REAR OF THE PROPERTY

- ☑ MINIMALLY INVASIVE
- ☑ CONVENIENT
- ☑ SAFE

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

AGENDA

1. Location Overview
2. Matines Café Overview
3. Walk-in Addition Overview
4. Follow-up questions from LUPZC meeting

Appendix - Community Feedback & Product Data

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LOCATION OVERVIEW

- Intersection of Bethlehem Pike & E. Chestnut Hill Ave
- RSA3/CMX2
- 1609 sq ft (1st floor + Basement)
- Owned by Bowman Properties Limited
- Use Permit ZP-2022-000416 - **Eating and Drinking Establishments - Prepared Food Shop**

A prepared food shop has all of the following characteristics:

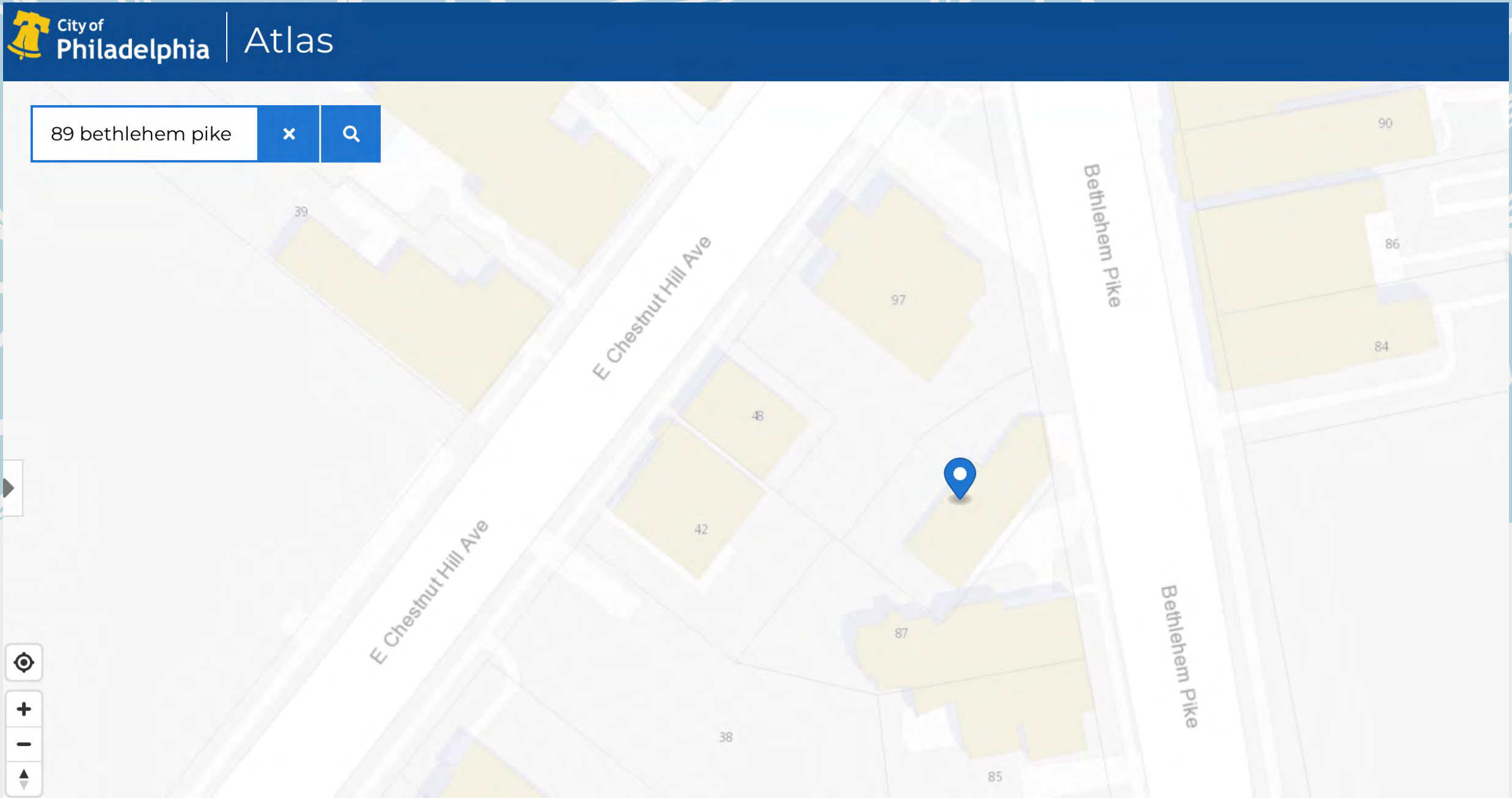
(.a) Includes customer seating on the lot. ***The number of seats shall be greater than 3 but shall not exceed 20 seats****; and*

(. b) Does not utilize commercial cooking appliances that have requirements for exhausting air contaminants.

View from Bethlehem Pike

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY


City of Philadelphia
Atlas
89 bethlehem pike
E Chestnut Hill Ave
E Chestnut Hill Ave
Bethlehem Pike
Bethlehem Pike
39
97
48
42
87
38
85
90
86
84

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

Side view of the building

Main entrance to the Café

Outdoor dining area

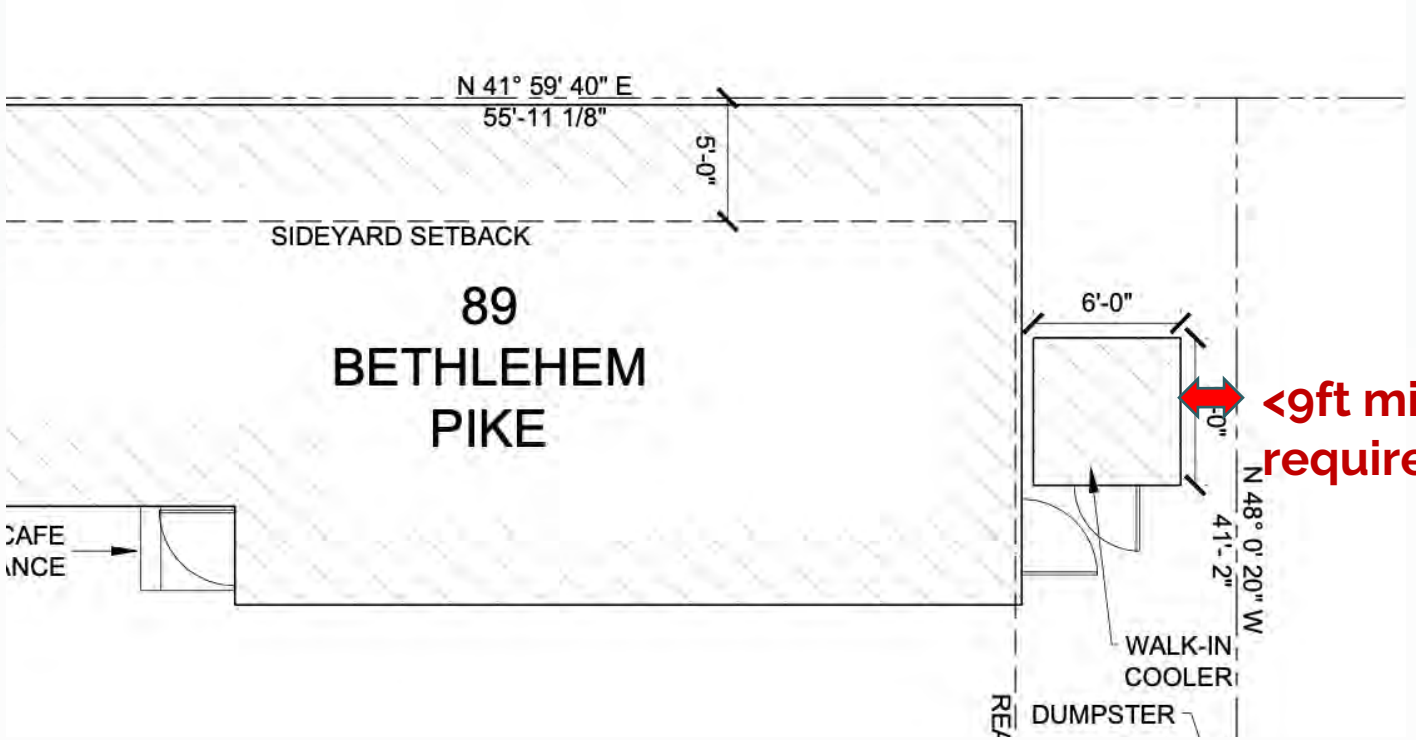
Rear view of the building

Employee entrance / Delivery access

WHY DO WE NEED A VARIANCE?

Zoning Application: ZP-2022-004455
Refusal date: 04/29/22 / ZBA hearing date: 07/13/22

Code Section(s):	Code Section Title(s):	Reason for Refusal:	
Table 14-701-3	*Minimum Rear Yard Depth (ft.)*	**REQUIRED**	**PROPOSED**
		9 ft.	*3 ft.*



Department of Licenses and Inspections

Notice of: ☒ Refusal ☐ Referral

Application Number: ZP-2022-004455	Zoning District(s): RSA3|CMX2 (Overlays: WWO, Open Space and Natural Resources - Steep Slope Protection, EDO)	Date of Refusal: 4/29/2022
Address/Location: 89 BETHLEHEM PIKE, Philadelphia, PA 19118-2820 Parcel [PWD Record]		Page Number: Page 1 of 1
Applicant Name: Amanda DE BRUC	Applicant Address: 514 KINGSTON ROAD ORELAND, PA 19075 USA	

Application for:

FOR THE ERECTION OF A DETACHED STRUCTURE (OUTDOOR WALK-IN PAVILION) FOR THE USE OF EATING AND DRINKING ESTABLISHMENTS- PREPARED FOOD SHOP (SIZE AND LOCATION AS SHOWN ON PLANS).

The permit for the above location cannot be issued because the proposal does not comply with the following provisions of the Philadelphia Zoning Code: (Codes can be accessed at www.phila.gov.)

Code Section(s):	Code Section Title(s):	Reason for Refusal:	
Table 14-701-3	Minimum Rear Yard Depth (ft.)	REQUIRED	PROPOSED
		9 ft.	3 ft.

ONE (1) ZONING REFUSAL

Fee to File Appeal: $100

Permit Owner:

BOWMAN PROPERTIES LIMITED

REEBA MERIN BABU
PLANS EXAMINER

4/29/2022
DATE SIGNED

<9ft minimum rear yard depth requirement. Requires a variance

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MATINES CAFÉ OVERVIEW

Matines Café is a quaint, upscale French eatery pairing specialty coffee drinks with an innovative selection of delicious baked goods, gourmet breakfast, brunch and lunch options.

Open year-round,
7 days, 8am to 5pm

Kid & family friendly
Outdoor seating
Delivery options

FRENCH CAFÉ & MARKET
MATINES
CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

MATINES CAFÉ - MENU

89 Bethlehem Pike Chestnut Hill

MATINES CAFÉ

all-day breakfast favorites

matines breakfast croissant ... our signature scrambled eggs with cheddar, swiss or brie cheese served with mixed greens - add bacon, black forest ham, prosciutto ham, turkey sausage add smoked salmon
truffle breakfast croissant ... white truffle scrambled eggs, shaved parmesan cheese, bacon, fresh black pepper - served with mixed greens
quiche lorraine ... bacon, caramelized onions, cheese - served with mixed greens
quiche aux légumes ... roasted veggies, basil pesto, cheese - served with mixed greens
very berry belgian waffle ... topped with berries, lemon zest, whipped cream, raspberry drizzle
decadent belgian waffle ... topped with nutella, candied bacon, whipped cream, maple syrup drizzle
perfect parfait ... low-fat greek vanilla yogurt, honey roasted granola, berries, honey, pumpkin seeds

gourmet sandwiches

served with mixed greens

provence baguette ... mozzarella, prosciutto ham, sundried tomatoes, shaved parmesan, basil pesto, arugula
normandie baguette ... brie cheese, pear, black forest ham, walnuts, fig jam, mixed greens
versailles baguette ... grilled chicken, smashed avocado, shaved parmesan, white truffle aioli, arugula
parisian baguette ... black forest ham, swiss cheese, bacon, salted butter - served warm
smoked salmon croissant ... smashed avocado, tzatziki cream, cucumber, lemon zest, mixed greens
chicken salad croissant ... rotisserie chicken, pecans, cranberries, mixed greens
mozzarella croissant melt ... basil pesto, sundried tomatoes
brie, honey & walnut croissant melt
ham & swiss croissant melt

tartines

open faced toasted country bread served with mixed greens

smashed avocado tartine ... feta cheese, radish, pumpkin seeds, chili flakes, microgreens
smoked salmon tartine ... cucumber, red onions, tzatziki cream, lemon zest, microgreens
cottage cheese tartine ... fresh blueberries, fig jam, candied bacon, black pepper, arugula

salads & soups

served with french baguette - add chicken add smoked salmon

jardin ... mixed greens, cucumber, feta cheese, smashed avocado, herbes de provence
soleil ... arugula, mozzarella cheese, prosciutto ham, sundried tomatoes, basil pesto
caesar ... mixed greens, grilled chicken, shaved parmesan, candied bacon, croutons
grain medley ... whole grains, grilled veggies, radish, cucumber, lemon zest, mixed greens add feta
soupe à l'oignon gratinée ... traditional french onion soup topped with melted cheese & croutons
seasonal soup cup bowl

sides

belgian waffle
low-fat vanilla greek yoghurt
scrambled eggs
fresh berries cup
toasted baguette or country bread with butter & french preserves

boulangerie

see counter for availability and specials

butter croissant
chocolate croissant
almond croissant
lemon fan
maple pecan braid
blueberry & cream braid
chocolate & hazelnut braid
macaron
macaron assortment (6)
apple & berry pie
seasonal pound cake

petite matines meal

- for your little ones -
served with cucumber, fruit pouch or chips & a glass of A1, O1, milk or a petite drink

grilled cheese croissant ... with cheddar & swiss cheese
egg & chick ... grilled chicken & scrambled eggs
nutella or strawberry jam croissant
mini parfait

petite drinks

served warm or cold

babyccino ... frothy milk dusted with cocoa powder
unicorn chocolate milk ...cocoa, whipped cream, rainbow sprinkles
crazy raspberry milk ... raspberry syrup, whipped cream, rainbow sprinkles

monin syrups

vanilla, sugar free vanilla, hazelnut, salted caramel, pecan praline, lavender, raspberry, simple syrup

milk alternatives
almond, oat, coconut

large add a shot

coffee bar by La Colombe

all drinks can be served decaffeinated, hot or iced

drip coffee
cold brew
café au lait
americano
espresso
macchiato
latte
flat white
cappuccino
mocha latte
seasonal latte
tonic espresso

tea bar by Tea Forté

(b) black, (g) green, (w) white, (h) herbal

deluxe tea over ice ... ceylon gold (b), mango peach (g), ginger pear (w), raspberry nectar (h)
hot tea ... english breakfast (b), earl grey (b), orchid vanilla (b), jasmine green (g), lemon sorbetti (g), moroccan mint (g), african rooibos solstice (h), chamomile citron (h)

bombay chai tea latte ... spiced chai tea (b), vanilla
matcha tea latte ... matcha tea (g), simple syrup
london fog tea latte ... earl grey (b), vanilla, lavender buds
sweet blossom tea latte ... sweet berries & blossoms rooibos (h), honey, rose buds

hot chocolate/chocolate milk orange juice/apple juice coke/diet coke evian/perrier

MATINES CAFÉ

order at matinescafe.com follow us @matinescafe

PLEASE INFORM US IF A PERSON IN YOUR PARTY HAS A FOOD ALLERGY.
Our food is prepared in an open kitchen and is exposed to wheat, egg, tree nuts, dairy, soy, and/or fish allergens

89 Bethlehem Pike, Chestnut Hill, Philadelphia PA 19118

artwork by Andrina Manon

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

IMPACT ON THE CHESTNUT HILL COMMUNITY

- Improve the vibrancy & attractiveness of the Bethlehem Pike neighborhood
- Local employment: 10+ part & full time positions, year round, with and without experience
- Enrich the culinary scene of Chestnut Hill with an authentic French café
- No late hours, no loud music
- Relieve Germantown Ave congestion

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

MATINES CAFÉ - OWNERS BACKGROUND

Solid business & hospitality background

- Amanda has a Master's degree in Marketing & 7+ years working in Advertising for worldwide accounts (Gucci, Yves Saint Laurent, Nestlé)
- Arthur has a Master's degree in Art History & is a self-taught chef
- We designed, owned & operated **Café M** in Savannah, GA
  - ✓ **Top 10 Restaurants in Savannah** on TripAdvisor from 2016 to 2020, Certificate of Excellence since 2017
  - ✓ Voted **"Best Breakfast in Georgia" by People Magazine** in 2018
- We helped design and launch **Café Soleil** in St Petersburg, FL in 2014 and **Le Petit Paris** restaurants in Jacksonville, FL in 2019. Family owned.

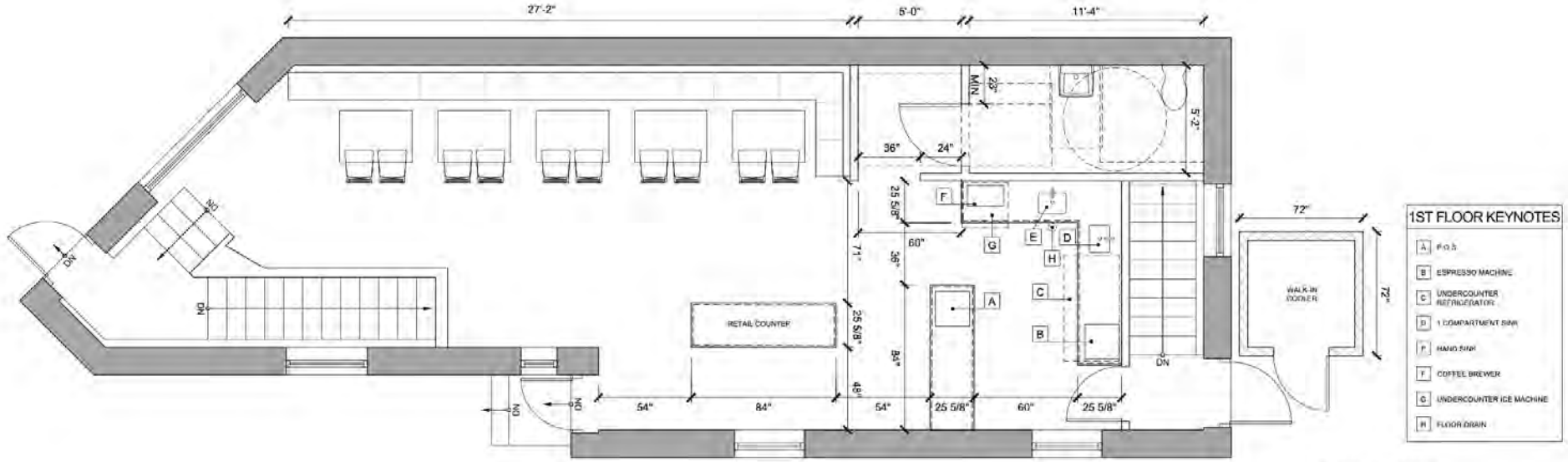
Strong affinity with historic buildings and locations

- We grew up in Paris, France & love travelling
- Arthur's family has been living in the same chateau since the 11th century!
- We opened a café in Savannah, GA and are familiar with regulations regarding historical buildings
- **This is why we are excited to open shop in Chestnut Hill**

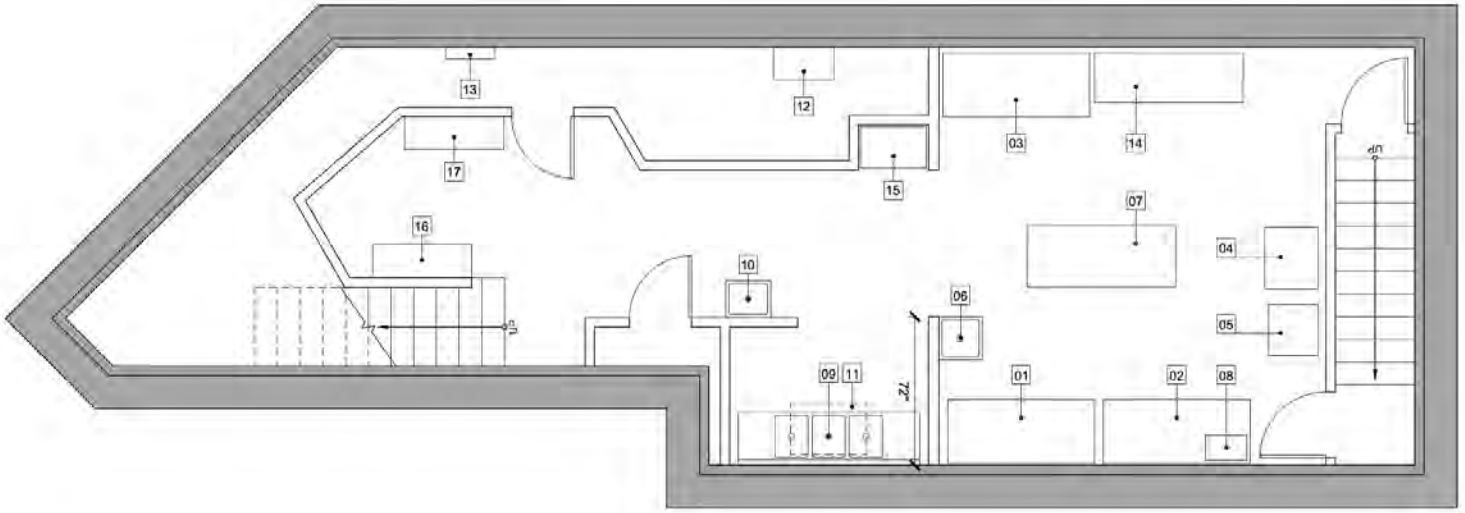
FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

FLOOR PLANS



2 1ST FLOOR
3/16" = 1'-0"



1 BASEMENT
3/16" = 1'-0"

Architecture
270 W. Walnut Lane, 1st Floor
Philadelphia, PA 19144
267-297-7086

89 BETHLEHEM PIKE
PHILADELPHIA PA 19118

CLIENT:
BOWMAN PROPERTIES
8238 GERMANTOWN AVENUE
PHILADELPHIA 19118

PROJECT NUMBER:	1803
PROJECT PHASE:	---
PROJECT MANAGER:	---
DRAWN BY:	NW
CHECKED BY:	JC
SCALE:	AS NOTED
DATE:	01.20.22

REFERENCES & REVISIONS:
1 REVISED PLANS 02.14.22
2 REVISED PLANS 02.23.22
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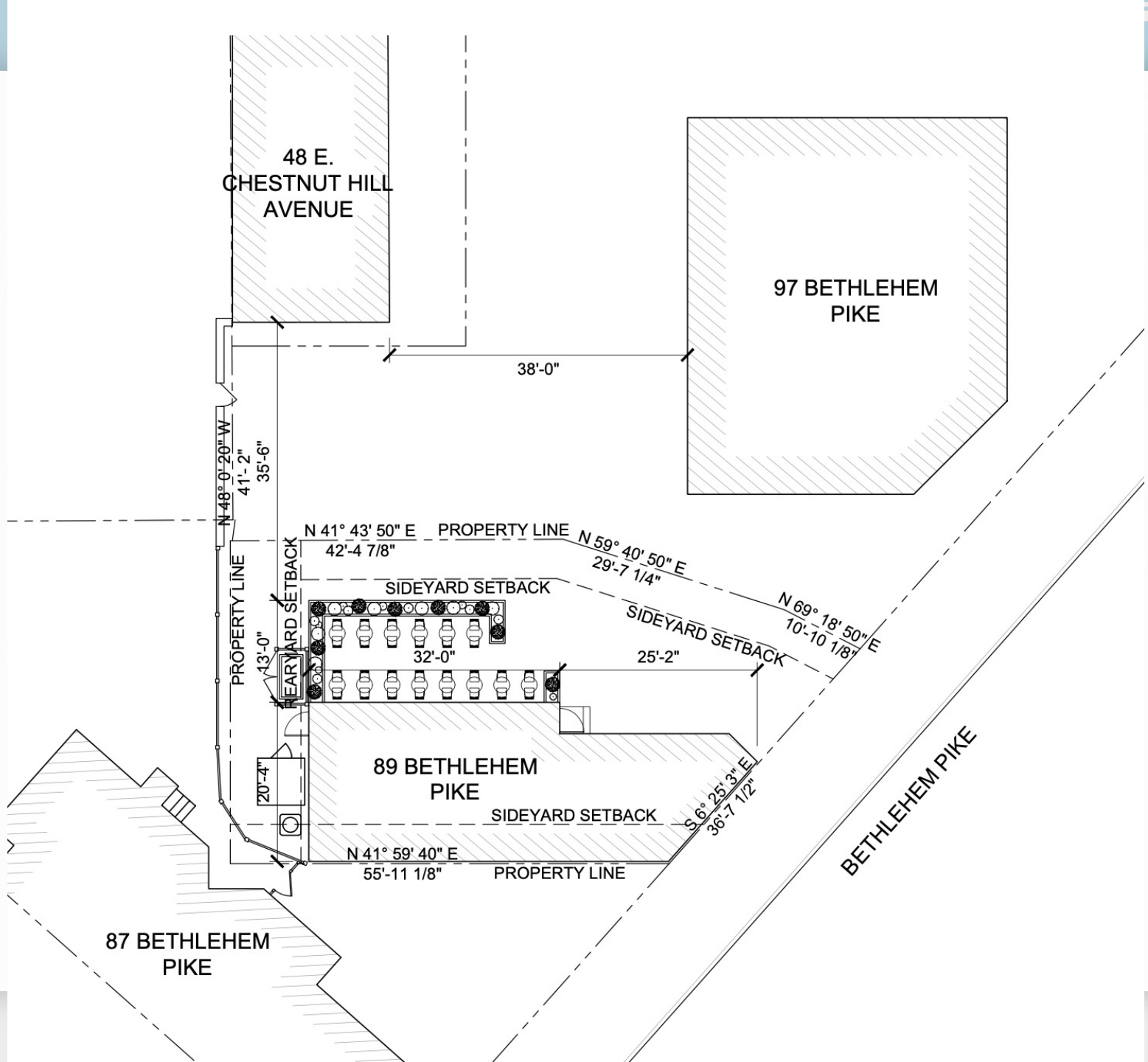
SHEET NAME:
FLOOR PLANS

SHEET NUMBER:
2 OF 2

SITE PLAN



C2 Architecture
270 W. Walnut Lane, 1st Floor
Philadelphia, PA 19144
267-297-7688

INTERIOR FIT-OUT WITH OUTDOOR SEATING & WALK-IN COOLER

89 BETHLEHEM PIKE
PHILADELPHIA PA 19118

CLIENT:
BOWMAN PROPERTIES

8238 GERMANTOWN AVENUE
PHILADELPHIA 19118
-

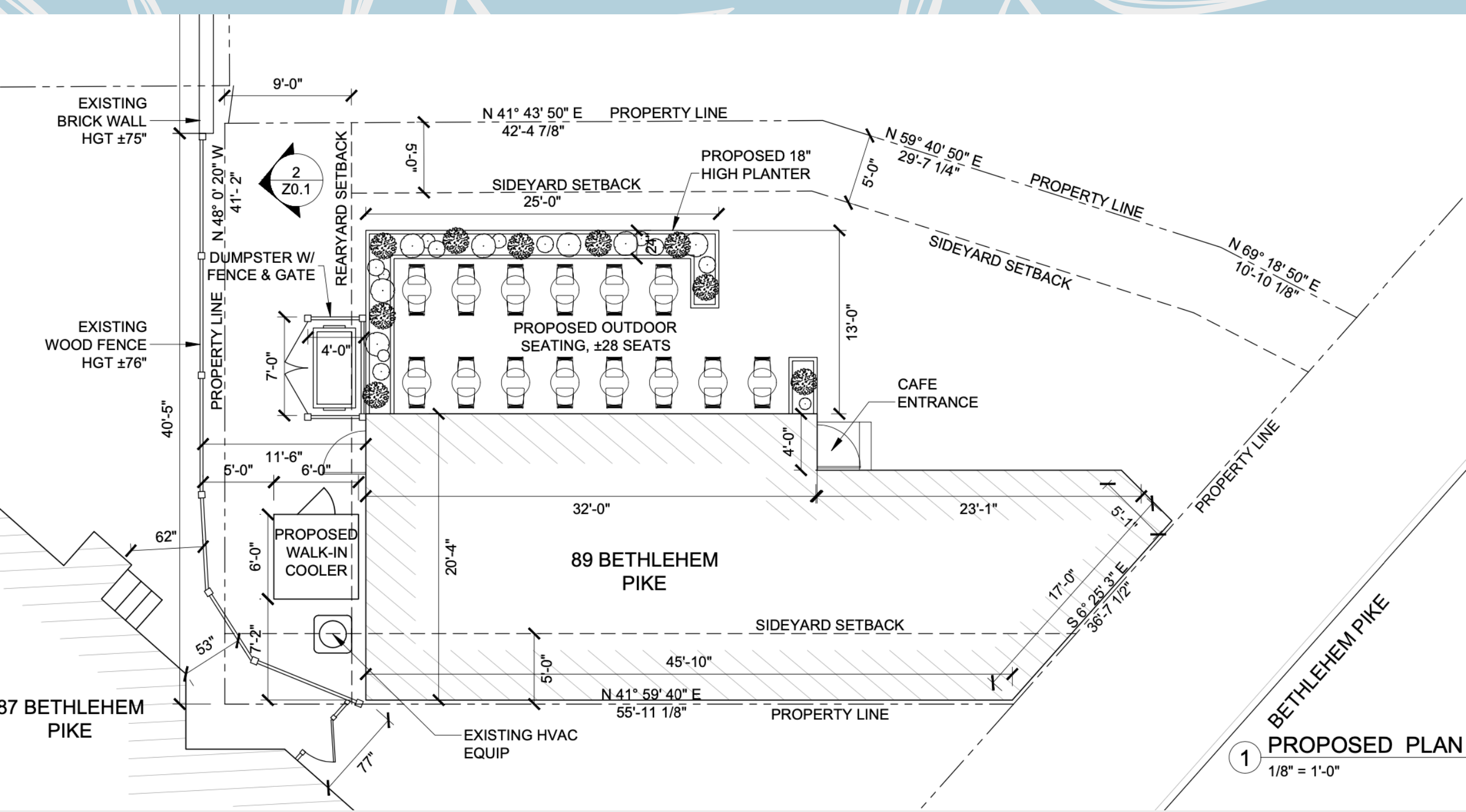
PROJECT NUMBER:	1802
PROJECT PHASE:	—
PROJECT MANAGER:	—
DRAWN BY:	RW
CHECKED BY:	JC
SCALE:	AS NOTED
DATE:	01.20.22

REFERENCES & REVISIONS:

-	—
-	—
-	—

SHEET NAME:
ZONING

SHEET NUMBER:
Z0.0



1 PROPOSED PLAN
1/8" = 1'-0"


CAFE
CAFÉ DE L'ÉPOQUE


ONE WAY

AGENDA

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WHY DO WE NEED A WALK-IN?

- In order to properly operate the café, we need a walk-in freezer to serve as a **BACK UP UNIT** to the indoor freezer
  - ✓ Larger storing capacity => Fewer truck deliveries over the week
  - ✓ Access to the walk-in only once or twice a day, to restock the indoor freezer
- A walk-in freezer cannot fit in the basement (a minimum of 82" is required vs 79" available)
- Installing the unit in the rear of the property is the most convenient & safe location
  - ✓ For employees and delivery access: **direct access to the back door**
  - ✓ For the neighbors & the general public: **tucked away behind the building, not visible from the public right of way, & it respects the general harmony of the building**
  - ✓ For the customers: **frees up space outdoor seating**

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

WALK-IN SPECS

- NORL-KODF7766-C is a small, **low profile 6x6 unit**, with a 1HP compressor
- The noise emitted is **NOT SUPERIOR to the noise from an HVAC unit**
- The noise is **NOT CONTINUOUS**; it works the same way as an HVAC unit alternating from running phase to resting phase. During the resting phase, the unit is completely silent.
- Given our intended use of the unit and its size, the inside temperature will not actively be breached more than twice a day, cutting down drastically the need for the unit to be in running mode.

NORL-KODF7766-C
Kold Locker™, Outdoor -10°F Freezer, 6' x 6' x 7'-7" H, with floor, 26 gauge embossed coated steel interior & exterior finish, self-closing door, locking deadbolt handle, membrane roof, Capsule-Pak™ ceiling mount, 1 HP, 208-230v/60/1-ph

Email from Norlake Sales Rep, Ty Whitehorn

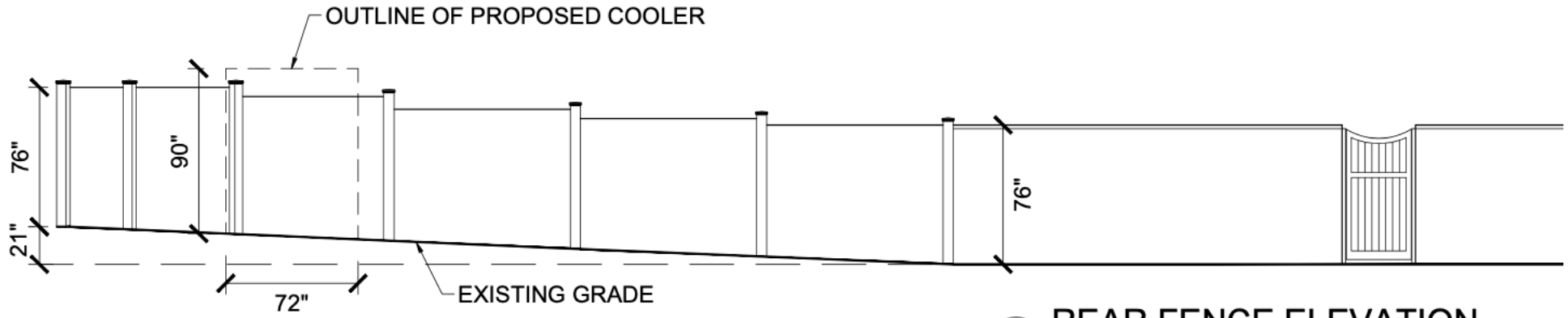
twhitehorn@refsg.com (715) 386-2323

Ty Whitehorn
À moi

25 mai 2022 08:52 (il y a 2 jours)

Amanda,
After speaking with you, I wanted to confirm that the outdoor freezer will not be any louder than a typical HVAC unit. Also, the freezer does not run continuously. It will shut off once it reaches the desired temperature and turn back on a few minutes. Also, with it being a back-up freezer, it shouldn't have to run any more than the minimum run time required.

REAR FENCE ELEVATION



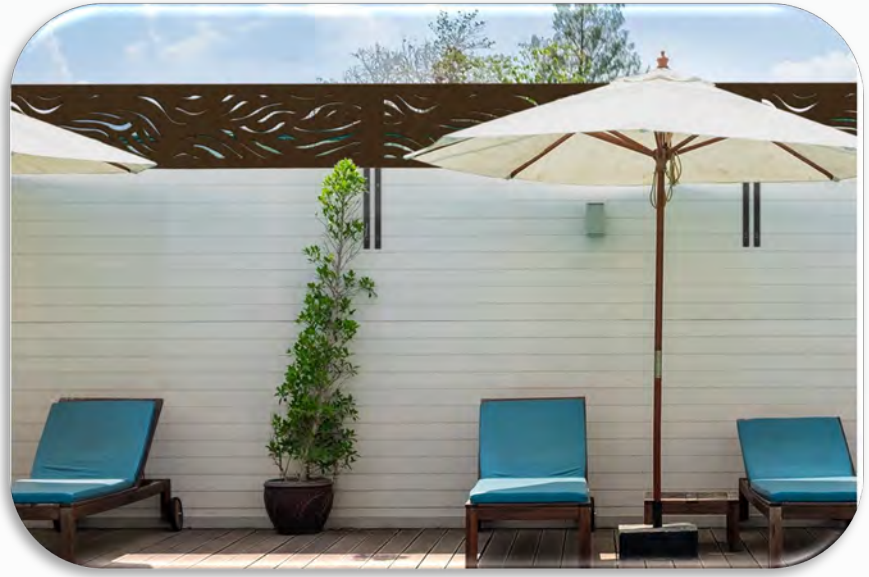
The unit will sit at approximately the same height as the existing separation fence around the property

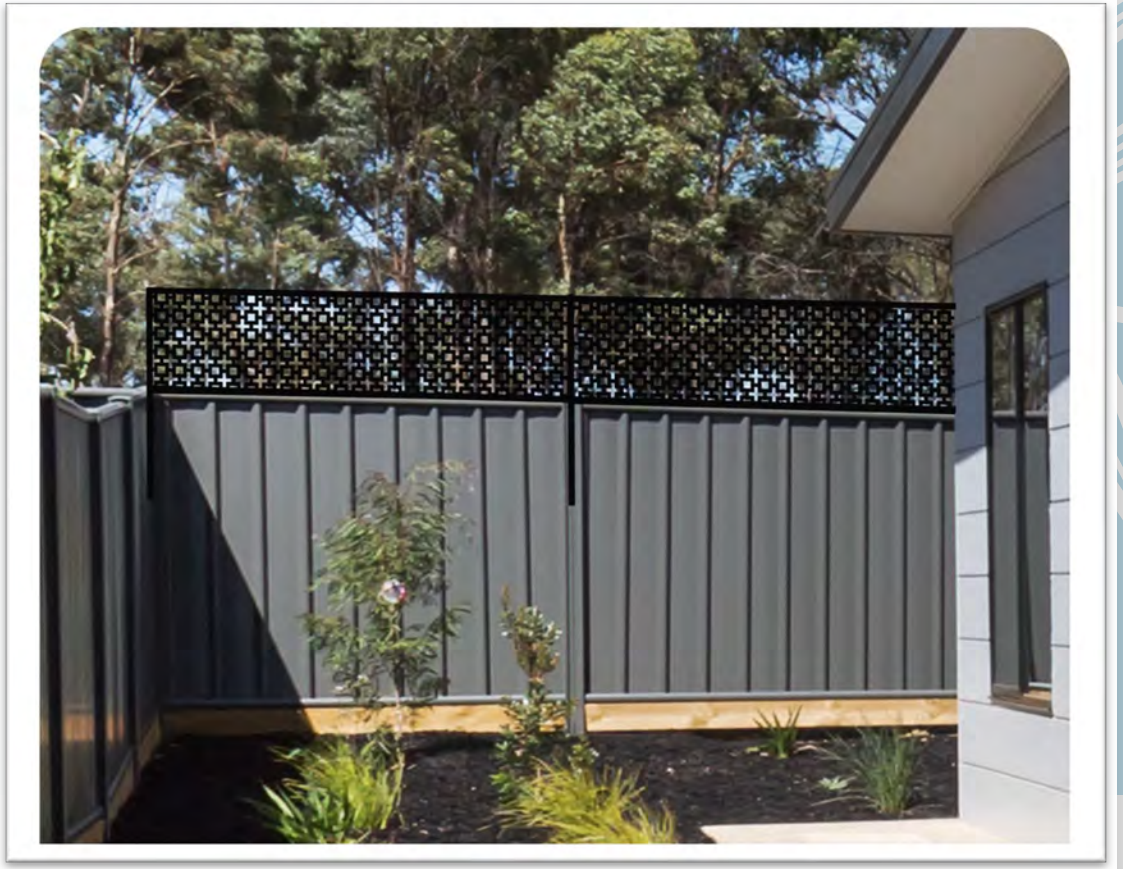
FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

CONCEALING THE UNIT

A 16” decorative lattice fence extension will be added to the adjoining portion of the fence to conceal the unit. It will be color matched to the existing fence.





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MATINES CAFÉ

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LUPZC JUNE 2nd MEETING FEEDBACK

We received a vote of provisional support from the board, providing that we address these two items:

1. Speak to our landlord about the possibility of closing off the driveway access to Bethlehem Pike so we would have more options for where to place outdoor seating, and thus the walk-in unit.

2. Speak to an acoustical engineer to obtain their perspective on the impact of noise on our neighbor at 87 Bethlehem, and to possibly recommend noise-decreasing solutions

1. CLOSING OFF THE ACCESS TO BETHLEHEM PIKE

The parking lot is currently used by 4 separate tenants / all the buildings owned by Bowman Properties. At this time, closing off the access to Bethlehem Pike would negatively impact the flow of circulation and is not something Bowman Properties is considering.

2. ACOUSTIC ENGINEER FINDINGS

We hired Christopher Brooks, from Acoustic Distinctions, in order to determine how the addition of the walk-in would impact the noise level experienced by the residents of 87 Bethlehem Pike.

Acoustic Distinctions (AD) is a U.S.-based acoustics and AV system specialty consulting firm that works as an integral design partner with owners, architects, engineers, and contractors. Our firm provides expertise to enhance the end-user experience in any setting where communication occurs: performing arts, education, media and broadcast, corporate offices, government, worship, museum and cultural resources, residential, and mixed-use. AD's insights have been gained through three+ decades of collaboration on a diverse portfolio of distinctive projects worldwide.

Christopher Brooks, Senior Associate, Acoustics

In his 25 year consulting career, Chris has worked on acoustics for educational facilities, auditoriums, performing arts centers and civic facilities. He offers extensive experience in programming and design for both public and privately-funded projects—helping to find a balance among program, budget and schedule. A musician and performer, Chris offers strong insights into the end-user experience.

Chris writes extensively, with publications including Architectural Acoustics (McFarland 2002) and contributor to the Integrative Design Guide to Green Building (Wiley Publishing, 2009).

Email

Credentials

Staying current and connected:

Professional affiliations

As active members in numerous professional associations, AD's team stays current on standards of practice and industry trends.

- Acoustical Society of America
- American Institute of Architects
- American Society of Heating, Refrigeration and Air Conditioning Engineers
- ASTM International
- Audio Engineering Society
- InfoComm International
- National Association of Broadcasters
- United States Institute for Theatre Technology
- Synergetic Audio Concepts
- TEC Foundation for Excellence in Audio
- CMA, Chamber Music America
- IAVM, International Association of Venue Managers
- LHAT League of Historic American Theaters
- NASM, National Association of Schools of Music
- SCUP, Society for College and University Planners

Recognized projects of distinction:

Honors and awards

AD's team has contributed to numerous projects that have been recognized for design excellence. Recent samples include:

- AIA Architecture Award, 2021 – Loghaven Artist Residency, Knoxville, TN
- AIA Institute Honor Award for Architecture, 2013 – The Barnes Foundation, Philadelphia, PA
- AIA Minnesota Honor Award, 2018 – Carleton College, Music and Performance Commons, Northfield, MN
- AIANY Architecture Merit, 2013 – Center for the Advancement of Public Action, Bennington College, Bennington, VT
- AIANY Design Award, 2018 – Princeton University Andlinger Center for Energy and the Environment, Princeton, NJ
- AIANY Excelsior Design Award of Distinction, 2020 – CityTech Academic Building, Brooklyn, NY
- Architizer A+ Award for Architecture + Urban Transformation, 2013 – ArtsQuest Center at SteelStacks, Bethlehem, PA
- Avenue of the Americas Association, Technology Innovation Award, 2018 – Take-Two Interactive Software, New York, NY
- BD+C Building Teams Gold Award, 2020 – CityTech Academic Building, Brooklyn, NY
- Boston Society of Architects Citation for Design Excellence Award, 2014 – Hamilton College, Ruth and Elmer Wellin Museum of Art, Clinton, NY
- ENR Higher Ed/Research Best Project, 2020 – CityTech Academic Building, Brooklyn, NY
- Lucy G. Moses Preservation, 2014 – New York City Hall Council Chambers, New York, NY
- Royal Architectural Institute of Canada Awards of Excellence – Certicate of Merit, 2019 – West Block Rehabilitation Project, Ottawa ON
- US Institute of Theatre Technology (USITT) Merit Award, 2016 – SUNY at Potsdam Performing Arts Center, Potsdam, NY

ACOUSTIC DISTINCTIONS
DESIGN IN HARMONY

New York, NY
Stamford, CT
Los Angeles, CA
Lancaster, PA

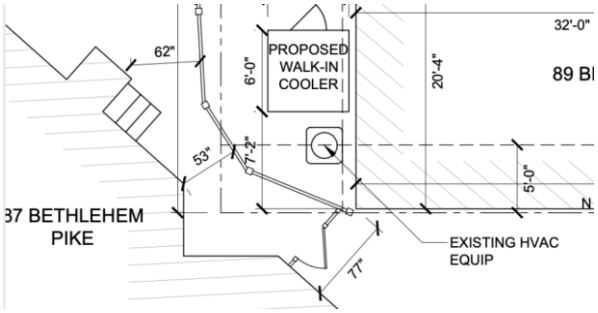
Subject: **Noise Impact Walk-in Cooler Addition**

Project: Matines Café 89 Bethlehem Pike

Date: 16 June 2022

Summary

This memo discusses what effect the addition of a Norlake outdoor 6x6 walk-in cooler adjacent to 89 Bethlehem Pike will have on the noise level experienced by the residents of 87 Bethlehem Pike.



The sound level of the existing HVAC unit and the sound level of the proposed walk-in cooler sound level are used to calculate the sound level of the two units operating simultaneously

Existing Condition

Existing HVAC unit

The existing HVAC unit is a Carrier 24ABB3 35. The sound level, measured at 1 meter, is 75 dBA. See attached production information for more details.

It is our understanding that this unit has not been considered problematic by the residents of 87 Bethlehem Pike.

Proposed Addition

The proposed unit is a Norl-KODF7766-C Kold Locker Outdoor -10° F Freezer (see attached bill of sale).

The manufacturer, Nor-Lake does not provide laboratory sound level measurements. However, they have stated that sound levels are between 60 and 70 dBA (assumed to be measured at 1 meter).

It was possible to get sound level data from the manufacturers of a similar, but slightly larger, unit, with a 1.5 HP compressor. The proposed unit has a 1 HP compressor. It is reasonable to assume that the more powerful unit will be louder than the proposed unit. The manufacturer of this similar 1.5HP unit states that the sound level generated by this unit is 68 dBA (see attached product information).

For this calculation, we looked at the range of levels from 60 to 70 dBA.

Combining Sound Levels

The residents of 87 Bethlehem Pike are concerned that the addition of the new cooler will add significantly to the existing noise level.

Decibels are a logarithmic unit. To add decibels, one does not simply add. In other words, 75 dBA (the current HVAC unit) plus 70 dBA (the proposed cooler) does *not* result in 146 dBA (which would be like standing next to a jackhammer), but rather as follows:

The formula for adding decibels is:

$$L_{sum} = 10 \times log_{10}(10^{\frac{L_1}{10}} + 10^{\frac{L_2}{10}})$$

where:

L_{sum}= the total sound level from both units running simultaneously.

L_1= the existing air conditioner unit (75 dBA)

L_2= the proposed walk-in cooler (60 - 70 dBA max)

Plugging in these figures:

- for the worst case (70 dBA): $10 \times log_{10}(10^{\frac{75}{10}} + 10^{\frac{70}{10}})$ = 76 dBA
- for the best case (60 dBA): $10 \times log_{10}(10^{\frac{75}{10}} + 10^{\frac{60}{10}})$ = 75 dBA

An increase of 1 decibel is not noticeable. Thus, at the very worst, the additional noise from the cooler will not be noticeable.

Plan B

Since Nor-Lake has not provided laboratory-measured sound level data, we have had to estimate based on what they say and on other data. Thus, a plan B is warranted. What should be done if the cooler arrives and produces sound levels significantly higher than the levels cited by the manufacturer?

All the noise from the cooler is generated by the compressor that sits on top. To address this, mount a four-sided sound-barrier box, four-feet high, open at the top directly on top of the unit. As can be seen from the photo, there is plenty of room to construct such a noise barrier.

Construct using a barrier product with an interior sound-absorbing surface. See product information for the Kinetics NoiseBlock. For both the product and implementation, contact:

J.A. Brown
1013 Conshohocken Rd Suite 213
Conshohocken, PA 19428
(610) 832-0400

Conclusion

Based on the information available, the new unit is unlikely to significantly add to the current noise levels. But if more sound-reduction is required, this will be easy and straightforward to implement.

CHRISTOPHER BROOKS LEED AP
SENIOR ASSOCIATE
717.291.9123 direct
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cbrooks@ad-ny.com

ACOUSTIC DISTINCTIONS
New York • Stamford • Los Angeles • Lancaster
925 Virginia Avenue
Lancaster, PA 17603
AcousticDistinctions.com

Maison Bruc LLC
dba **MATINES CAFÉ**

THANK YOU

Amanda & Arthur

de Bruc de Montplaisir

info@matinescafe.com

727-902-7729

AGENDA

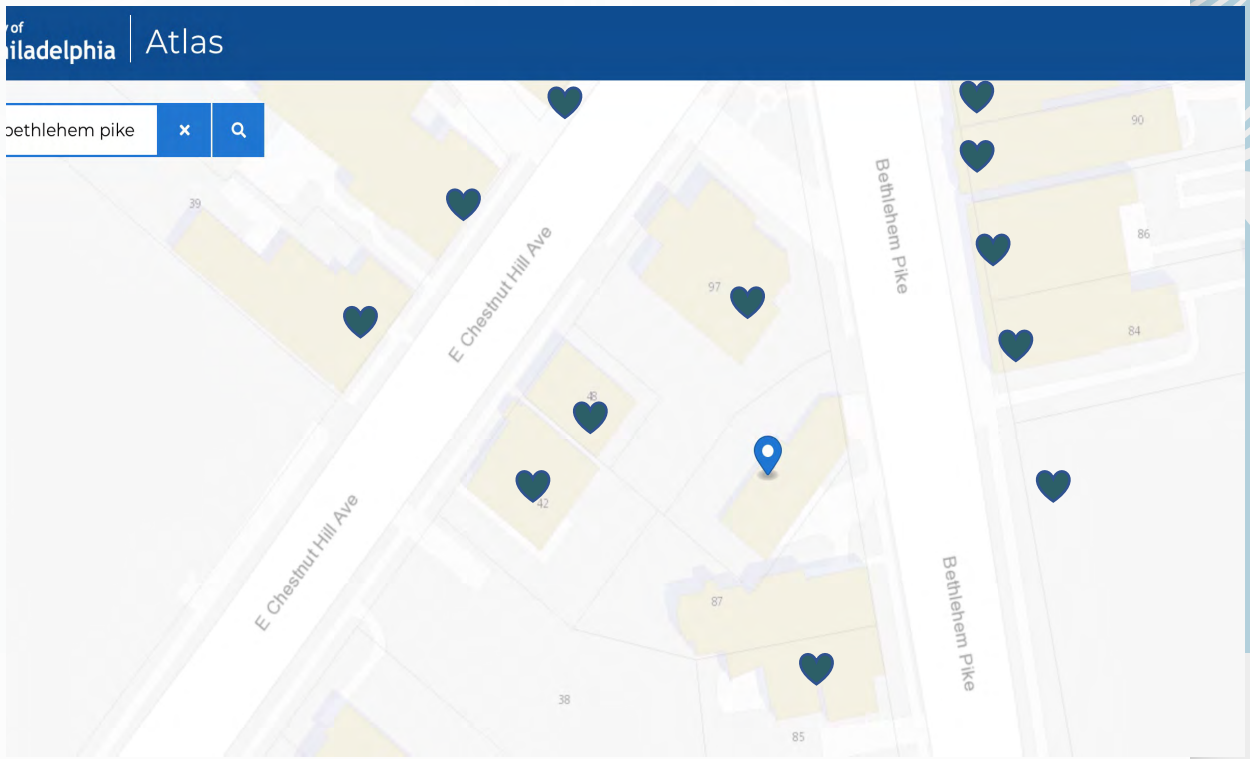
1. Location Overview
2. Matines Café Overview
3. Walk-in Addition Overview
4. Follow-up questions from LUPZC meeting

Appendix - Community Feedback & Product Data

COMMUNITY REACH & FEEDBACK

- All 38 neighbors, within the 250ft radius were informed of the public hearing meeting by mail sent out on May 17th
- We went door to door to meet the adjoining neighbors to explain our variance application
- Very positive & enthusiastic feedback regarding the Café:

  "French café", "coffee", "proximity", "outdoor dining", "revive the neighborhood", "sorely needed in this section of town"
- No concerns or opposition to the addition of a walk-in unit from 12 adjoining neighbors.

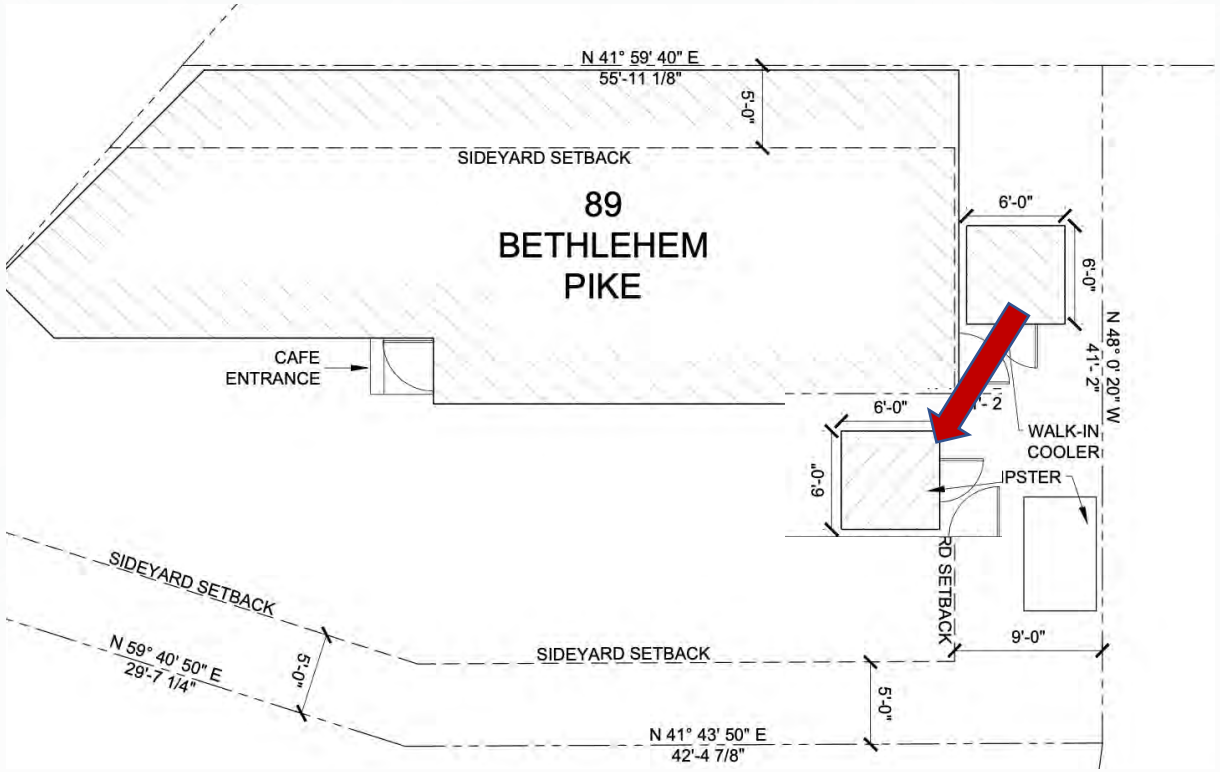


LETTERS OF SUPPORT TO OUR VARIANCE APPLICATION

FRENCH CAFÉ & MARKET
MATINES CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

SUGGESTED ALTERNATE LOCATION



Placing the unit on the side of the building, in lieu of a major portion of our outdoor seating area, would result in:

- **Loss of 25 to 35% of the revenue generated by outdoor seating**
- Loss of the take-out window
- Darkening the Café (completely blocking off one of the only 2 windows on that wall).

Given the money we would be injecting in this project, losing 25+% of the outdoor revenue would **seriously harm our profitability**, especially if we find ourselves in another covid lock-down with limited or no indoor seating. This option would be a deal breaker.

FRENCH CAFÉ & MARKET
MATINES
CAFÉ

89 BETHLEHEM PIKE: ADDITION OF A WALK-IN COOLER IN REAR OF PROPERTY

24ABB3
Comfort™ 13 Air Conditioner with Puron® Refrigerant
1–1/2 to 5 Nominal Tons

Carrier
turn to the experts

Product Data

Puron

Comfort SERIES

Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 24ABB has been designed utilizing Carrier's non-ozone depleting Puron refrigerant.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 13 SEER/ up to 11 EER (based on tested combinations)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 71 dBA

Comfort

- System supports Edge® Thermidistat™ or standard thermostat controls

Reliability

- Non-ozone depleting Puron® refrigerant
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

WeatherArmor™ protection package:

- Solid, durable sheet metal construction
- Dense wire coil guard
- Baked-on, complete outer coverage, powder paint

Applications

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C)) with accessory kit

ELECTRICAL DATA

UNIT SIZE– VOLTAGE, SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		
18–34	208/230/1	253	197	47.5	9.0	0.50	11.8	20
24–35				62.9	10.9	0.70	14.3	25
30–33				67.8	12.8	0.60	16.6	25
36–35				79.0	13.6	1.10	18.1	30
42–30				112.0	17.9	1.10	23.5	40
48–36				93.0	18.3	1.40	24.3	40
60–34				125.0	22.1	1.40	29.0	50
30–51	208/230–3	253	187	58.0	8.3	0.77	11.2	20
36–51				71.0	10.5	1.40	14.5	20
42–50				88.0	13.5	1.10	18.0	30
48–51				83.1	13.1	1.40	17.8	30
60–52				110.0	16.0	1.40	21.4	30
36–61	460–3	506	414	38.0	5.6	0.70	7.7	15
42–60				44.0	6.0	0.60	8.1	15
48–61				41.0	6.1	0.70	8.3	15
60–62				52.0	7.8	0.70	10.5	15
36–11	575–3	532	518	36.5	3.8	0.50	5.3	15
48–11				33.0	4.4	0.50	6.0	15
60–12				38.9	5.7	0.50	7.6	15

* Permissible limits of the voltage range at which the unit will operate satisfactorily.
** Time–Delay fuse.
FLA – Full Load Amps
LRA – Locked Rotor Amps
MCA – Minimum Circuit Amps
RLA – Rated Load Amps
NOTE: Control circuit is 24–V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.
Complies with 2007 requirements of ASHRAE Standards 90.1

A-WEIGHTED SOUND POWER LEVEL

24ABB3 UNIT SIZE	STANDARD RATING dBA	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–34	71	64.0	62.0	63.0	68.0	64.0	62.0	57.0
24–35	74	50.9	60.6	66.4	71.0	65.5	61.1	59.2
30–33	72	54.8	59.3	65.1	68.2	66.4	61.6	57.3
30–51	74	55.0	63.5	68.5	68.5	65.5	61.0	54.0
36–35	75	50.5	61.0	64.5	67.0	62.5	60.0	52.5
36–51, 61, 11	75	59.5	63.0	68.5	70.0	65.5	61.5	53.5
42–30, 50, 60	78	57.5	65.0	71.0	73.0	70.5	67.5	62.5
48–36	76	55.5	62.9	69.6	71.2	69.5	66.3	59.1
48–51, 61, 11	80	58.5	67.5	73.5	75.0	70.5	67.5	64.5
60–34	79	57.5	67.0	72.0	75.0	72.5	68.0	61.0
60–52, 62, 12	79	59.5	69.5	72.5	73.5	71.0	68.0	63.5

NOTE: Tested in accordance with AHRI Standard 270–2008 (not listed in AHRI).

A-WEIGHTED SOUND POWER LEVEL WITH SOUND SHIELD

UNIT SIZE	STANDARD RATING dBA	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–34	70	66.0	64.0	64.0	67.0	63.0	60.0	54.0
24–35	74	51.1	61.3	66.6	71.2	65.0	60.0	55.6
30–33	72	51.9	59.3	64.8	67.3	65.2	61.1	54.8
30–51	73	55.5	64.0	68.0	67.0	64.0	60.0	52.5
36–35	75	51.0	62.0	64.5	65.5	62.0	59.5	51.5
36–51, 61, 11	74	59.5	63.0	68.0	69.5	65.0	60.5	50.5
42–30, 50, 60	77	57.5	65.0	70.5	72.0	70.0	67.0	62.0
48–36	75	55.8	62.6	69.7	70.6	68.7	65.4	58.6
48–51, 61, 11	79	60.5	67.5	73.5	74.5	71.0	68.0	63.5
60–34	79	57.5	68.0	72.5	74.5	72.5	68.0	60.5
60–52, 62, 12	78	60.5	69.5	72.5	73.0	71.0	67.5	61.5

NOTE: Tested in accordance with AHRI Standard 270–2008 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE– VOLTAGE & SERIES	REQUIRED SUBCOOLING °F (°C)
18–34	14 (7.8)
24–35	10 (5.6)
30–33, 51	10 (5.6)
36–35	11 (6.1)
36–51, 61, 11	14 (7.8)
42–30, 50, 60	10 (5.6)
48–36	13 (7.2)
48–51, 61, 11	15 (8.3)
60–34	15 (8.3)
60–52, 62, 12	10 (5.6)

Customer #203028

TOTAL
$14,607.00

Bill To

Amanda
Matines Cafe
89 Bethlehem Pike
Philadelphia PA 19118
United States

Ship To

Amanda
Matines Cafe
89 Bethlehem Pike
Philadelphia PA 19118
United States

Terms	Customer Customer PO #	Shipping Method	Sales Rep
Cash In Advance		Best Available	Jeff Hussar

Quantity Ordered	Line Number	Item	Unit of Measure	Unit Price	Extended Price
1		**NORL-KODF7766-C** Kold Locker™, Outdoor -10°F Freezer, 6' x 6' x 7'-7" H, with floor, 26 gauge embossed coated steel interior & exterior finish, self-closing door, locking deadbolt handle, membrane roof, Capsule-Pak™ ceiling mount, 1 HP, 208-230v/60/1-ph	1each	$13,219.00	$13,219.00
1		**NORL-COMPRESSOR WARRANTY** 5 Yr. Compressor Warranty	1each	$237.00	$237.00
		NOTE-Declined Extended Warranty Customer declines Burkett extended warranty offer, standard manufacturer warranty applies. If you would like to add this warranty to your order, please contact your Sales Representative within 1 year of this order. Thank you!			
1		**NORL-Call Ahead** Call Ahead : Amanda @ 727-902-7729	1each	$0.00	$0.00
1		**NORL-Liftgate**	1each	$69.00	$69.00

We appreciate your business! Invoices more than 30 days past due may be subject to a monthly finance charge not to exceed 2%. Returned checks are subject to a $30.00 NSF fee. Title to all merchandise remains with the seller until paid in full. All used equipment come with a 90 day parts and labor warranty from delivery date. All products must be inspected at delivery and all damages must be noted on the delivery receipt. Unused products may be returned in original packaging within 30 days of delivery with a valid RMA from our customer service department. Non-defective product returns are subject to a 35% restocking fee and return freight charges. Exchange orders must be prepaid in full. Contact our Accounting department at 419-720-8192 with any questions.

Subtotal	$13,525.00
Shipping	$0.00
Discount	
Total Tax	$1,082.00
Total	$14,607.00
Amount Paid	$14,607.00
Amount Due	$0.00

SO336456

Burkett
Restaurant Equipment & Supplies

Burkett Restaurant Equipment
28740 Glenwood Rd
Perrysburg OH 43551
United States

Sales Order
#SO336456
5/3/2022

Terms & Conditions
Effective 4/1/2019

REFRIGERATION SYSTEM
Turbo air

4184 E. Conant St.
Long Beach, CA 90808
Tel. 888-900-1002
Fax. 310-900-1088
www.turboairinc.net

Project :	
Model # :	
Item # :	Qty :
Approval :	

Condensing Unit

Model : TSO15XR404A2

FEATURES / BENEFITS

- Blue anti-corrosion-fin increases the life span of the coil.
- Seamless inner groove copper tube increases the heat exchange rate by reducing the space between the fin and copper tube.
- Highest quality compressor in the world.

Copeland

- Head pressure control stabilizes the freezing of liquid line, minimizes formation of flash gas to increase efficiency of the system, and prevents compressor damage by controlling high pressure.
- Experienced engineers have designed the system for maximum efficiency.
- Fan Blades: Specifically matched with motors and coil for maximum air movement and cooling.
- Control box is designed for easy installation.
- Low pressure control is adjustable.
- All the parts are compliant with industry standards and interchangeable with readily available parts.
- Wiring: Easily accessible. Compressor comes with a wiring harness that is manufactured with connections that will not come loose with vibration.
- Control box and service valves are located outside for easy service.
- Base: Heavy duty steel. Legs are 2-1/6” tall
- Cabinet: Prepainted with galvanized body. Protects against corrosion.
- All products carry UL, cUL, ISO 9001 approvals.

Condensing Unit

Model : TS015XR404A2

PERFORMANCE CHART

R448/449A

	0°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
90'F(AMBIENT)	9330	7492	6655	5936	5277	4640	4063	3540
95'F	8972	7172	6430	5746	5079	4472	3920	3416
100'F	8612	6902	6200	5513	4880	4303	3800	3290
110'F	7888	6470	5786	5159	4547	4045	3560	3104

R404A

	0°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
90'F(AMBIENT)	9660	7864	7134	6370	5718	5114	4510	3964
95'F	9127	7452	6777	6060	5448	4838	4270	3794
100'F	8593	7039	6414	5747	5127	4608	4071	3590
110'F	-	-	5760	5183	4647	4148	3685	3296

SPECIFICATION

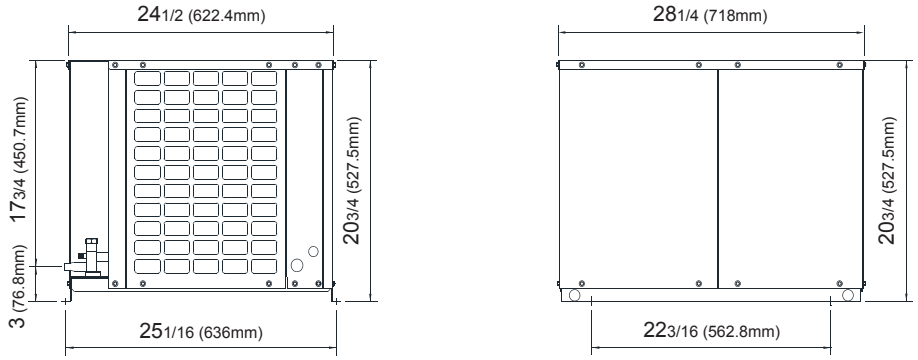
	TS015XR404A2
Compressor	ZF06KAE-PFV
Line Size	3/8” Liquid 5/8" Suction
Refrigerant (Receiver 90%)	8 lbs
Fan Data	1 Fan (1503CFM)
Dimensions	24.5(D) x 28.25(W) x 20.75(H)
Net Weight	178 lbs
Power Supply	208-230/1ph/60hz
Compressor Amp	13.6(RLA), 68(LRA)
MCA/MOPD	17.5/30
Sound dBA	68
AWEF Value (R-404A, R-448A / R-449A)	3.1, 3.1

Design and specifications subject to change without notice

■ **WARRANTY :** 1 Year Compressor Warranty (4 Year extended warranty available)
1 Year Fan Motor and Parts Warranty

PLAN VIEW

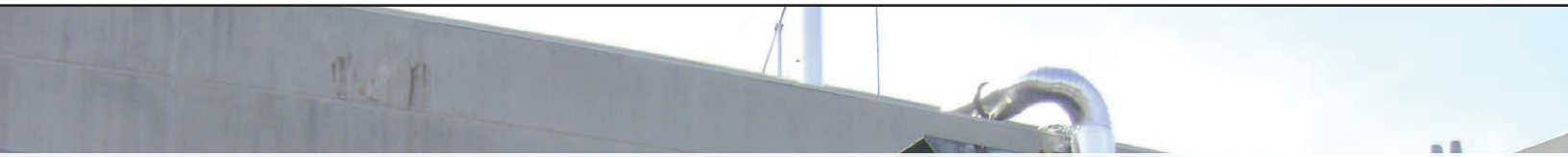
(unit : inch)



Ver.20201203

■ **Toll Free** : 888-900-1002

KINETICS Noise Control®



NOISEBLOCK™ Modular Panel Enclosure Systems

Commercial | Industrial | Environmental

NOISEBLOCK™ Panel Systems:
Commercial, Industrial, and Environmental Applications

Noise control in commercial, industrial, or environmental systems is an important element of the design process. Whether it is to comply with municipal ordinances, conform to OSHA standards or to achieve occupant comfort, designing a system to the required noise level takes knowledge and experience. For over 55 years **KINETICS NOISE CONTROL, INC.** has been delivering noise control solutions to meet the needs of many industries.

KINETICS designs and manufactures a complete line of modular engineered systems incorporating the **NOISEBLOCK™** acoustic panel. This double-walled acoustic panel can be quickly and easily assembled into a variety of plenum, equipment enclosure, or process enclosure configurations; and are designed to provide a high level of sound absorption and transmission loss.

KINETICS offers a complete design and engineering service, including acoustic, structural and ventilation provisions. This allows us to deliver custom, cost effective products and solutions that will fit your system and meet your needs.

Commercial Applications

The mitigation of noise from heating and cooling systems in modern commercial projects is an important aspect in any building design. **KINETICS** engineers and manufactures complete pressurized plenum enclosures for a wide array of HVAC installations. **NOISBLOCK™** pressurized plenums are designed to provide effective noise control, structural integrity, along with full access for maintenance and inspection.

Applications

- Built-up and Custom Air Handlers
- Double Wall Panel Duct
- Fan Enclosures
- HVAC Mixing Plenums
- Mechanical Equipment
- Relief / Outside Air Plenums
- Supply / Return Plenums

Field Assembled **NOISEBLOCK™** AHU Casing

Industrial Applications

In-Plant **NOISEBLOCK™** Equipment Enclosure

Worker safety has taken on increasing importance for industrial facilities, and as such, noise reduction initiatives have become an essential goal of the industry. Whether it is to comply with increasingly strict OSHA regulations, or to reduce hearing loss claims against an insurer, worker safety is now in the forefront. **NOISEBLOCK™** enclosures are a key design element in bringing industrial, process and manufacturing facilities to safer noise levels and to help make a better work environment for all involved.

Applications

- Backup/Constant Power Generators
- Compressors
- In-Plant Office
- Manufacturing Equipment
- Paint Booths
- Positive Displacement Blowers
- Processes
- Test Chambers
- Vacuum Blowers
- Ventilation Fans
- Pumps
- Saws
- Punch Presses

Environmental Applications

Process Blower **NOISEBLOCK™** Enclosure

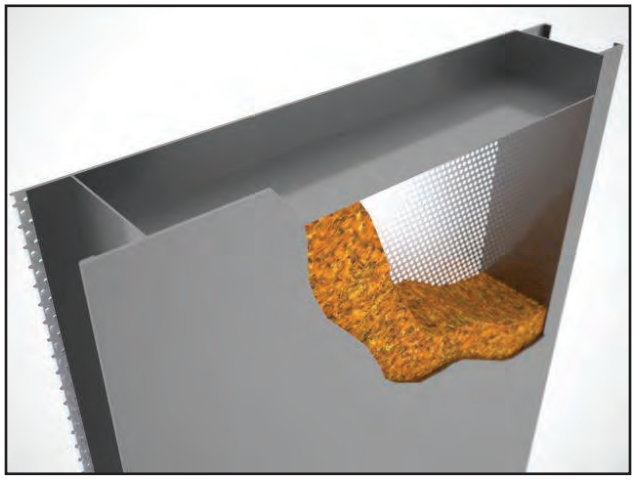
With residential areas encroaching on industrial and commercial areas, environmental noise is a main concern for communities. It is common for commercial and industrial facilities to have mechanical or process equipment located outside of the building, where the noise generated from this equipment was once not a concern, it is now. To mitigate outside noise sources a partial or complete **NOISEBLOCK™** panel enclosure can be used. **KINETICS** engineers their enclosures with special design considerations for outdoor use, such as wind and snow loading, weather protection, proper roof design to avoid water pooling, waterproofing, and the use of special materials. **KINETICS** can provide a complete engineered system to account for all acoustic, structural and ventilation aspects.

Applications

- Air-Cooled Chillers
- Cooling Towers
- LNG Terminal Process Equipment
- Wastewater Treatment Plant Process Blowers
- Generators
- Fans
- Blowers

NOISEBLOCK™ Panel Types

Type STL acoustic panels are fabricated of various thicknesses and materials depending on the level of noise control required for a particular application. Standard **KINETICS NOISEBLOCK™** type STL panels are fabricated with an outer solid shell of 18 gage and inner perforated shell of 22 gage steel. Panels are stiffened with 18 gage internal channels and edge rails. The acoustic grade fill is 2.5 to 6 pcf long strand fiberg ass or mineral wool, depending on the application, are inert, mildew resistant, vermin proof and incombustible. Standard panels are 4" thick, but optional 2" and 6" panels are available to meet special requirements.



Typical STL panel detail: solid outer shell, media, and perforated inner shell.

Type HTL acoustic panels are designed for applications where a higher transmission loss is required. Standard **KINETICS** type HTL panels are fabricated with an outer solid shell of 16 gage and inner perforated shell of 22 gage steel with a high mass septum added for increased acoustic performance. Panels are stiffened with 18 gage internal channels and edge rails. The acoustic grade fill is 2.5 to 6 pcf long strand fibe - glass or mineral wool depending on the application and are inert, mildew resistant, vermin proof and incombustible. Panels are available in 4" or 6" thickness.

Typical groove and tongue (GT) panel joint

Materials

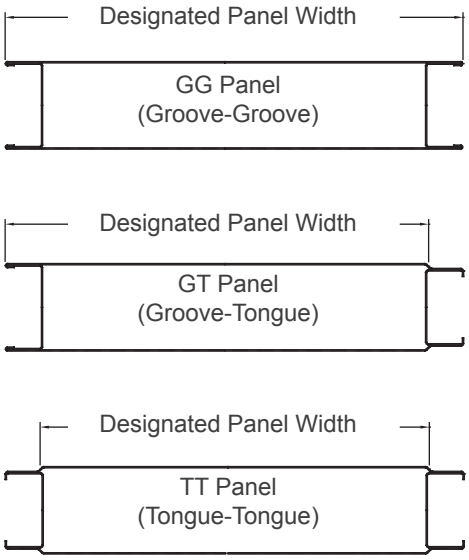
Outer and inner shell materials are available in standard galvanized steel, Type G90, mill phosphatized (satin) finish galvanized steel (readily paintable), stainless steel, Types 304 and 316, aluminum and aluminized steel. Standard material gages for solid outer shell are 18 ga. and 16 ga., perforated (23% open area) inner shell is 22 gage. Septum panels and panels with solid outer and inner shells are available. Factory applied powder-coat finish is available as an additional option.

All internal sound absorbing media used in **NOISEBLOCK™** panels meet the requirements of NFPA-90A and surface burning characteristics per ASTM E84, with maximum flame spread rating of 25 and smoke developed rating of 50. Other media are available offering more stringent flame spread index and smoke developed index. The media is available both unlined, lined or bagged using a specialized film or cloth barrier and acoustic spacer. The insulation is under compression so as not to allow settling of acoustic media within the panel.

Standard Panel Dimensions

NOISEBLOCK™ acoustic panels are available in standard designated widths of 21.625" and 45.625", and standard lengths up to 144". Other width and lengths are available by special order. Most **NOISEBLOCK™** enclosure and plenum systems incorporate as many standard panels as possible and then finished with non standard panels. For pressurized plenum systems the maximum panel width is determined by the internal operating static pressure (positive or negative), simply supported panel span and allowable panel deflection

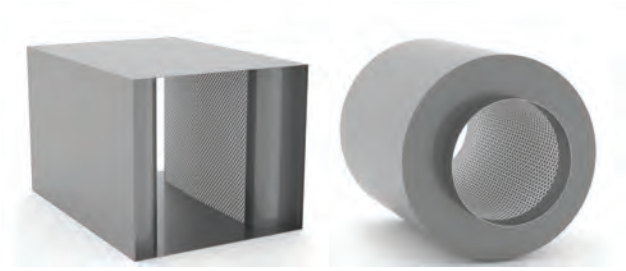
NOISEBLOCK™ Panel Joint



Panel connection style and width reference. Tongue and groove connections are standard for 16 gage shell and lighter. Heavier gages incorporate H-joiners.

Silenced Ventilation Systems

KINETICS engineers will work with you to properly design wall or roof mounted, silenced forced/passive ventilation systems. **KINETICS** ensures the enclosed equipment or process is properly ventilated as to prevent overheating. **KINETICS** does this by choosing from our expansive product line of circular (VCS), rectangular straight (VRS) and elbow (VES) absorptive



or reactive silencers and fixed-blade acoustic louvers (VAL/VAC/VPL). All are backed by independent testing per ASTM E477 and/or ASTM E90 in NVLAP accredited laboratories.

Accessories

NOISEBLOCK™ acoustic panel systems offer many accessory items: forced or passive silenced ventilation systems, windows, single and double leaf access doors, removable panel wall and roof sections, structural steel components, and factory painting.

Acoustic Performance Data

NOISEBLOCK panel acoustic performance is backed by independent testing in a NVLAP accredited laboratory. When tested in accordance with *ASTM C423, Standard Method of Test for Sound Absorption of Acoustic Materials in Reverberant Rooms,* the panel assembly shall have the following minimum airborne sound absorption:

Model	Construction[3]	Sound Absorption						NRC[4]
		125	250	500	1000	2000	4000	
STL-2[1]	18 ga. solid / 22 ga. perforated	0.15	0.66	1.07	1.06	0.97	0.86	0.95
STL-2[1]	16 ga. solid / 22 ga. perforated	0.15	0.66	1.07	1.06	0.97	0.86	0.95
STL-4[2]	18 ga. solid / 22 ga. perforated	0.60	1.13	1.12	1.09	1.03	0.91	1.00
STL-4[2]	16 ga. solid / 22 ga. perforated	0.60	1.13	1.12	1.09	1.03	0.91	1.00
HTL-4[2]	16 ga. solid / 22 ga. perforated + septum	0.60	1.13	1.12	1.09	1.03	0.91	1.00

When tested in accordance with *ASTM E90, Standard Recommended Practice for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions*, the panel assembly shall have the following minimum airborne sound transmission loss:

Model	Construction[3]	Transmission Loss, dB						STC[5]
		125	250	500	1000	2000	4000	
STL-2[1]	18 ga. solid / 22 ga. perforated	17	23	34	47	55	57	37
STL-2[1]	16 ga. solid / 22 ga. perforated	19	25	35	48	56	60	39
STL-4[2]	18 ga. solid / 22 ga. perforated	21	28	39	48	56	58	40
STL-4[2]	16 ga. solid / 22 ga. perforated	24	32	41	51	60	66	43
HTL-4[2]	16 ga. solid / 22 ga. perforated + septum	27	34	48	61	66	70	48

The acoustic performance of **NOISEBLOCK** panel systems is not degraded through prolonged exposure to noise, vibration, pressure differential, dampness, wind, rain or snow.

[1] (2) = 2-inch thickness
[2] (4) = 4-inch thickness
[3] solid inner skin available
[4] Noise Reduction Coefficient (NRC) is the average of coefficients at 250, 500, 1K and 2K Hz, expressed in the nearest integra multiple of 0.05.
[4] Sound Transmission Class (STC) is determined by comparing test data with a set of standard STC contours as described in *ASTM E413, Standard Classification for Determination of Sound Transmission Class*.

Achievable Noise Reduction

NOISEBLOCK™ enclosure systems offer typical noise reductions of 20-35 dBA. Special custom systems incorporating heavier (thicker gage) panel shell, thicker panels or an enclosure within an enclosure are available to achieve higher levels of noise reduction.

Thermal Performance

The insulation materials used in **NOISEBLOCK™** panels at 75˚F have maximum thermal conductance values of 0.06 BTU/hr-ft^2-˚F (4" thick) and 0.12 BTU/hr-ft^2-˚F (2 inch thick). Thermal resistance values are R17 (4" thick) and R8 (2" thick). Other insulation materials yielding higher thermal performance values are available.

Windows

Observation windows are available as double-pane, wire reinforced, or tempered safety glass. The windows are held in place with a flexible acoustic, airtight seal and separated by an airspace of the same thickness as the **NOISEBLOCK™** panel. Depending on window size it can be factory installed or shipped and field installed. High STC rated windows are available were maximum noise control is required.

Doors

A complete line of single and double leaf **NOISEBLOCK™** access doors are available in various sizes and can be incorporated to meet a variety of needs such as personnel and machinery access. Single and double leaf access doors are available with industrial grade strap hinges (swing right/left, in/out) and panic/passage hardware (keyed locks or sliding hardware are available as an option). The maximum single leaf door size is 48" wide x 96" high and the maximum double leaf door size is 144" wide x 144" high. Door thicknesses match adjacent panel thickness, construction, and acoustic performace.

Pressurized plenum single leaf doors are available in various sizes and have acoustic edge and bottom seals, doors are factory pre-hung, insulated and equiped with 2 or 3 strap hinges with Ventlok latches. (zinc and aluminum non-corrosive alloy). Double-pane, wire reinforced view ports are an available option.

Removable Panels

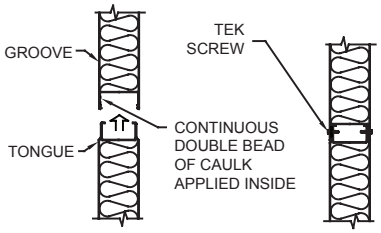
NOISEBLOCK™ removable access panels for walls and roofs can be located and sized as required for easy access to interior equipment for maintenance, service, or repair. The construction of removable panels is the same as the surrounding panels. Depending on the size and frequency of use, removable panels incorporate Ventlock latches or bolted connections. Roof access panels for outdoor applications can be designed for sloped roofs or can incorporate a rasied curb for flat roofs. Lifting lugs and special flashing are included as required

Structural Steel Components

Structural steel components and welded assemblies are designed for either field welding or bolt together assembly. Standard structural items are shipped with one factory coat of primer for protection during shipping. **KINETICS** can supply structural items with hot-dip galvanized coated finish or factory painted with either a wet paint or powder-coat finish depending on size and specificatio

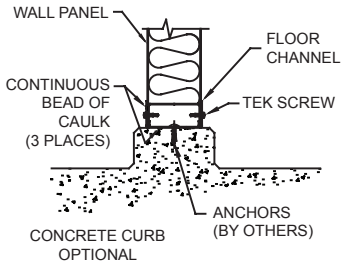
Standard Construction and Connection Details

DETAIL 1



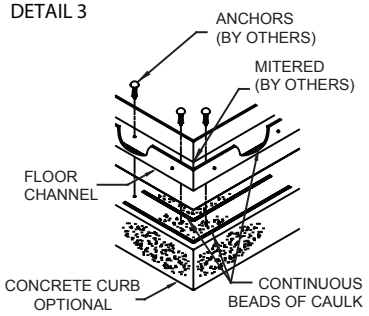
T & G PANEL ASSEMBLY DETAIL

DETAIL 2



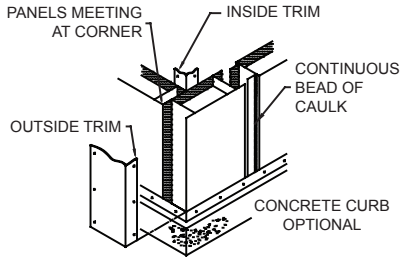
WALL TO CURB DETAIL

DETAIL 3



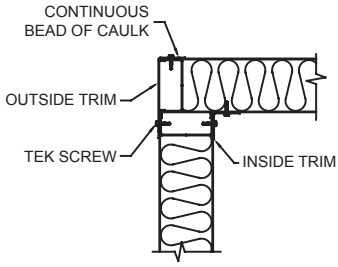
BASE CHANNEL CORNER DETAIL

DETAIL 4



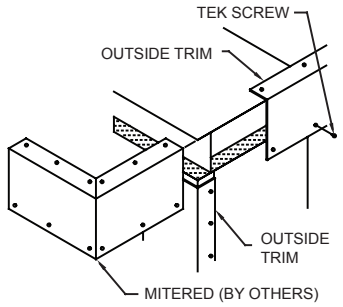
CORNER ASSEMBLY DETAIL

DETAIL 5



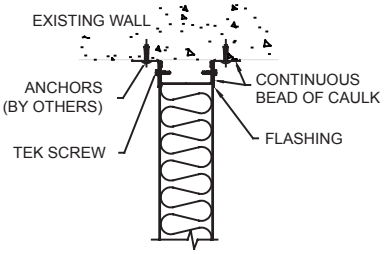
CORNER DETAIL

DETAIL 6



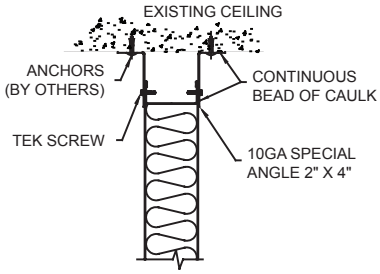
OUTSIDE TRIM CORNER DETAIL

DETAIL 7



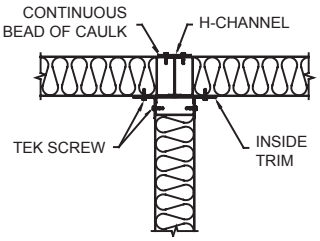
WALL PANEL TO BUILDING WALL

DETAIL 8



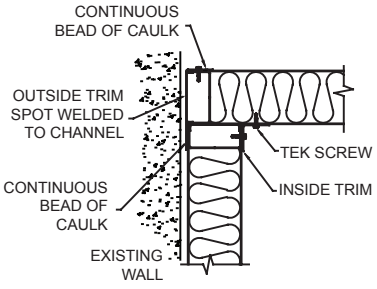
WALL PANEL TO BUILDING CEILING

DETAIL 9



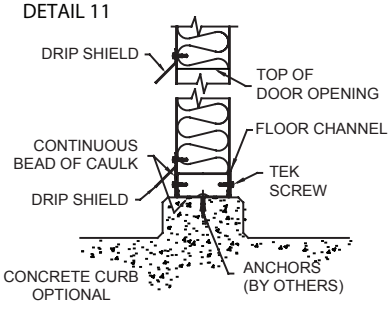
INTERIOR PANEL CONNECTION

DETAIL 10



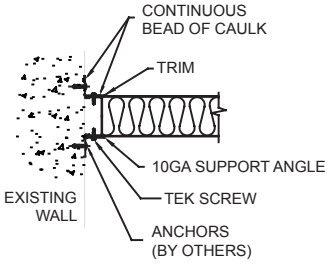
REDUCED CLEARANCE OUTSIDE TRIM DETAIL

DETAIL 11



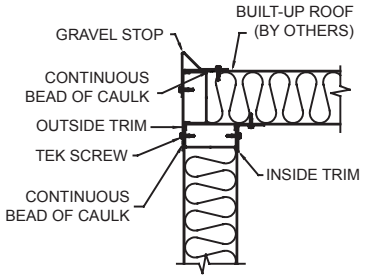
DRIP SHIELD DETAIL

DETAIL 12



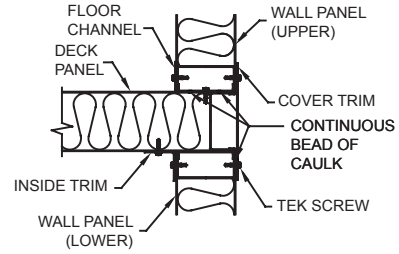
ROOF PANEL TO BUILDING CEILING

DETAIL 13



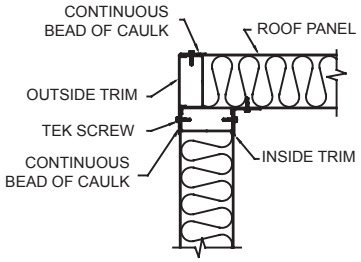
GRAVEL STOP (OUTDOOR) DETAIL

DETAIL 14



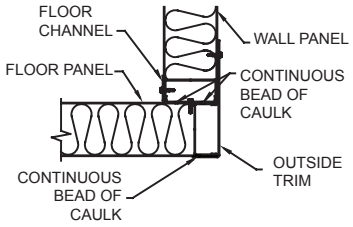
INTERMEDIATE DECK DETAIL

DETAIL 15



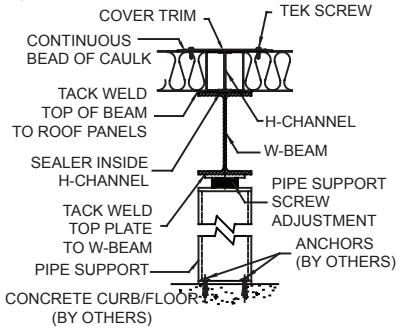
WALL TO ROOF JOINT

DETAIL 16



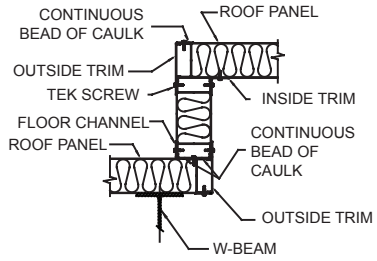
FLOOR PANELS

DETAIL 17



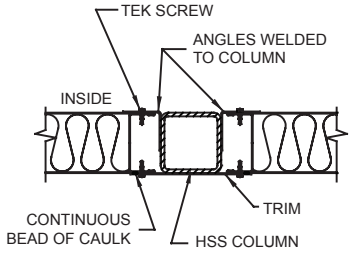
STRUCTURAL ROOF SUPPORT

DETAIL 18



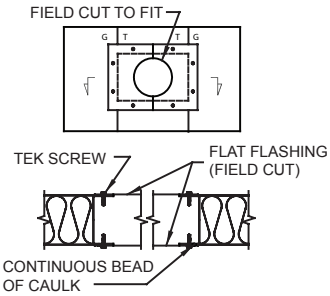
90° ROOF OFFSET WITH SUPPORT

DETAIL 19



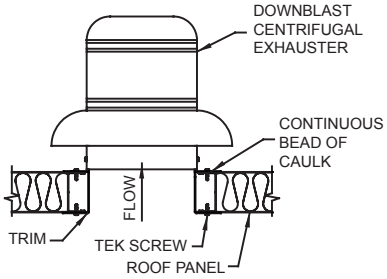
WALL PANEL TO HSS COLUMN

DETAIL 20



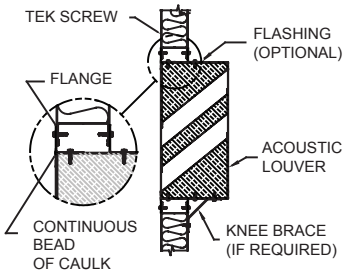
FIELD CUT FLASHING DETAIL

DETAIL 21



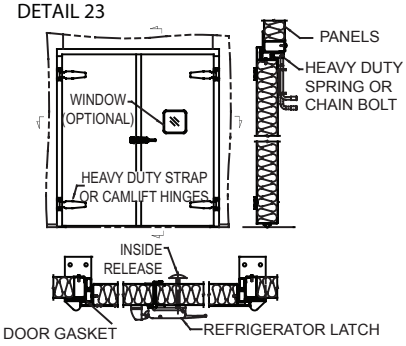
DOWNBLAST CENTRIFUGAL EXHAUSTER

DETAIL 22



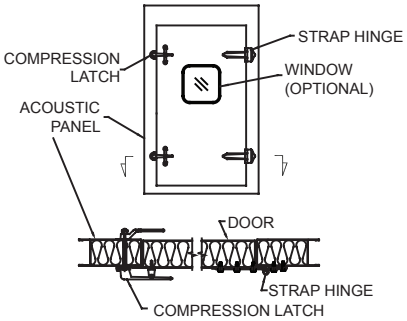
ACOUSTICAL LOUVER INSTALLATION

DETAIL 23



ACOUSTICAL DOUBLE DOOR

DETAIL 24



SINGLE DOOR IN PANEL

Engineering Services

Structural Performance

NOISEBLOCK™ acoustic panel enclosures and plenum systems are structurally designed for internal and external loading (± internal static pressure, wind loads, snow loads, live and dead loads as well as seismic) per industry standards following the applicable IBC building codes. Available options include copies of the structural steel calculations and PE stamp. **KINETICS** engineering group uses the latest AutoCAD software and can incorporate your equipment or system AutoCAD layout into our submittals to assure proper clearances and access locations.

Installation Guidelines

KINETICS supplies complete AutoCAD submittal, piece-marked installation drawings and bill of materials which correspond to the factory piece-marked panel system components. This piece-marking notation allows for easy installation of any system by referencing the numbers associated on the project specific assembly drawings and details. Typcial enclosure and plenum systems incorporate six standard components, **NOISEBLOCK™** tongue and groove panels, base channel, inside and outside trim pieces, fasteners, sealant and door(s).

Installation Planning Tips

1. Review the **KINETICS** supplied job specific, piece-marked, installation drawings and compare against the supplied bill of materials.

2. Prior to delivery of product, clear an area near where the panels are to be installed so they can be conveniently stored. To save time and labor move panels directly from the truck to this area. Make sure the necessary material handling equipment is available, including lifts for unloading and carts for moving panels across the floor to the installation site.

3. Near the installation area stack the panels on end and lengthwise with piece marks exposed. This will save time from moving and restacking panels as the enclosure is installed. If more than one enclosure is involved separate panels by drawing number as referenced on the bill of materials.

4. Typical tools and equipment required for successful installation are: ladder, extension cord, lifts, portable lighting, masonry and metal drill, metal cutting saw, tape measure, caulking gun, come a long.

5. Summary of Installation:
   - Locate base channel
   - Set corner panels
   - Install wall, partition and door panels
   - Add wall trim inside and outside
   - Install structural components (if required)
   - Add roof panels
   - Add roof trim inside and outside
   - Complete enclosure

Packaging

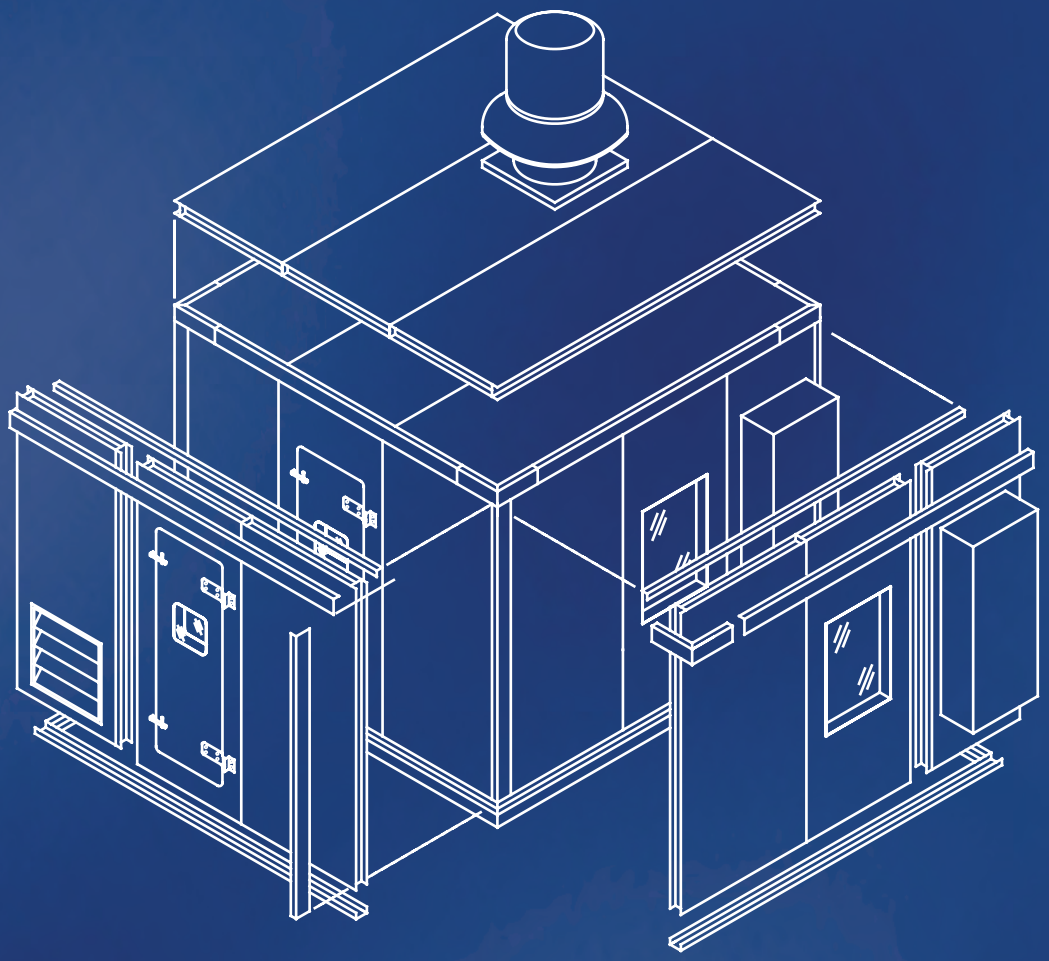
NOISEBLOCK™ panel systems are knocked-down (unassembled), standard palletized, banded and shrink wrapped before shipping. All panels, trim items including optional items are piece-marked to correspond to piece-marked installation drawings and details supplied with every order. Inside and outside trim are supplied in standard 10'-0" lengths to be field cut to required lengths. Standard shipments are sent in a closed trailer but flatbed shipments are available per special request

Standard Skid Packaging

Export Crate Packaging

Finish

NOISEBLOCK panel systems are available factory powder-coat finish per selection of POWDURA® RAL Series Super Durable TGIC FREE Polyester Powder Coatings, color matching or mill/unpainted.



KINETICS Noise Control®

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