BBAC DESIGN REVIEW HEARING | MAY 08, 2019

344 BEACON STREET

H+A

EXTERIOR SCOPE

344 Beacon Street - WORK AREAS

FRONT FACADE
- masonry cleaning
- recoat entry steps & stoop
- replace entry door
- replace security camera & door station
- replace brick walkway

REAR COURTYARD
- replace stone pavers
- new & replacement light fixtures and door hardware

GARAGE
- replace garage door & alley door
- replace light fixtures (existing locations)
- replace security camera (existing location)

LOWER DECK
- replace decking
- new outdoor kitchenette
- new mini-split condenser + screen wall
- replace light fixtures and planters (existing locations)
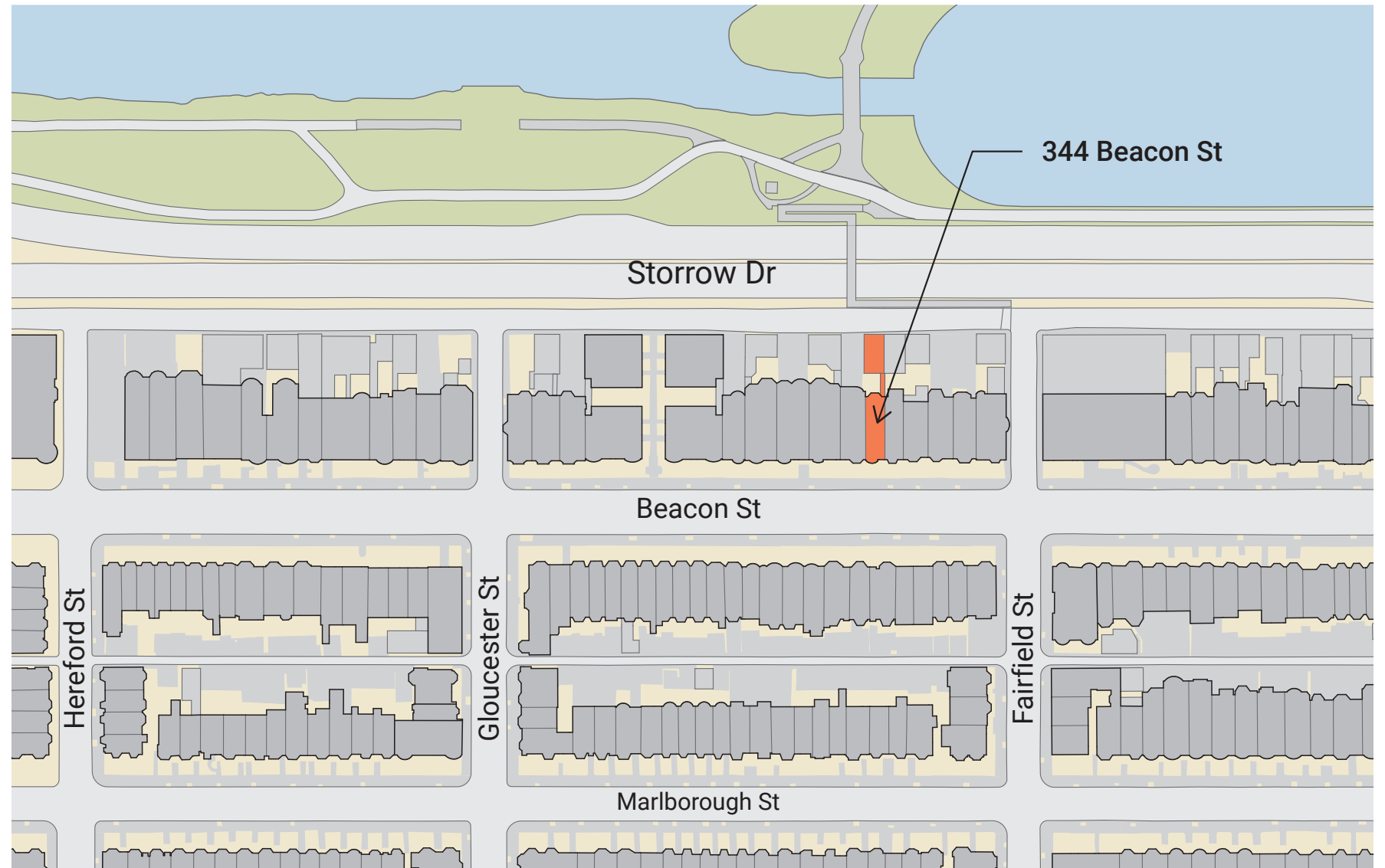- remove lattice screen

PENTHOUSE ROOF DECK
- replace decking & stair treads
- replacement light fixtures (existing locations)

UPPER ROOF DECK
- replace decking
- replace step lights
- new guardrail around existing skylight
- replace HVAC mechanical equip. and screen wall
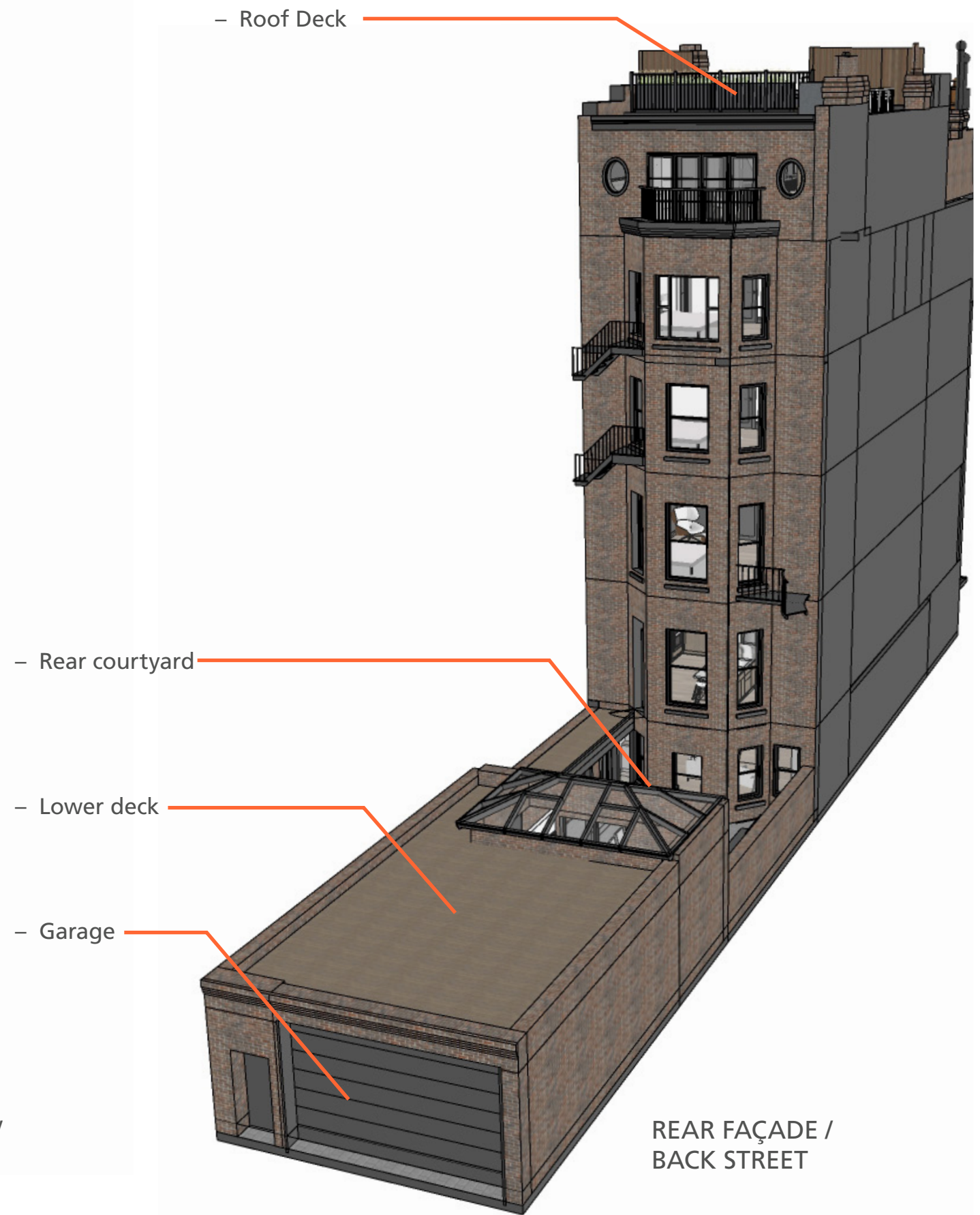- vegetated green roof trays @ roof edge
- replace chimney flue caps

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344 BEACON - FRONT FACADE

LOCUS PLAN

344 BEACON ST - LOCUS

H+A

– Roof Deck

– Penthouse/front deck

– Front facade

FRONT FAÇADE /
BEACON STREET

– Roof Deck

– Rear courtyard

– Lower deck

– Garage

REAR FAÇADE /
BACK STREET
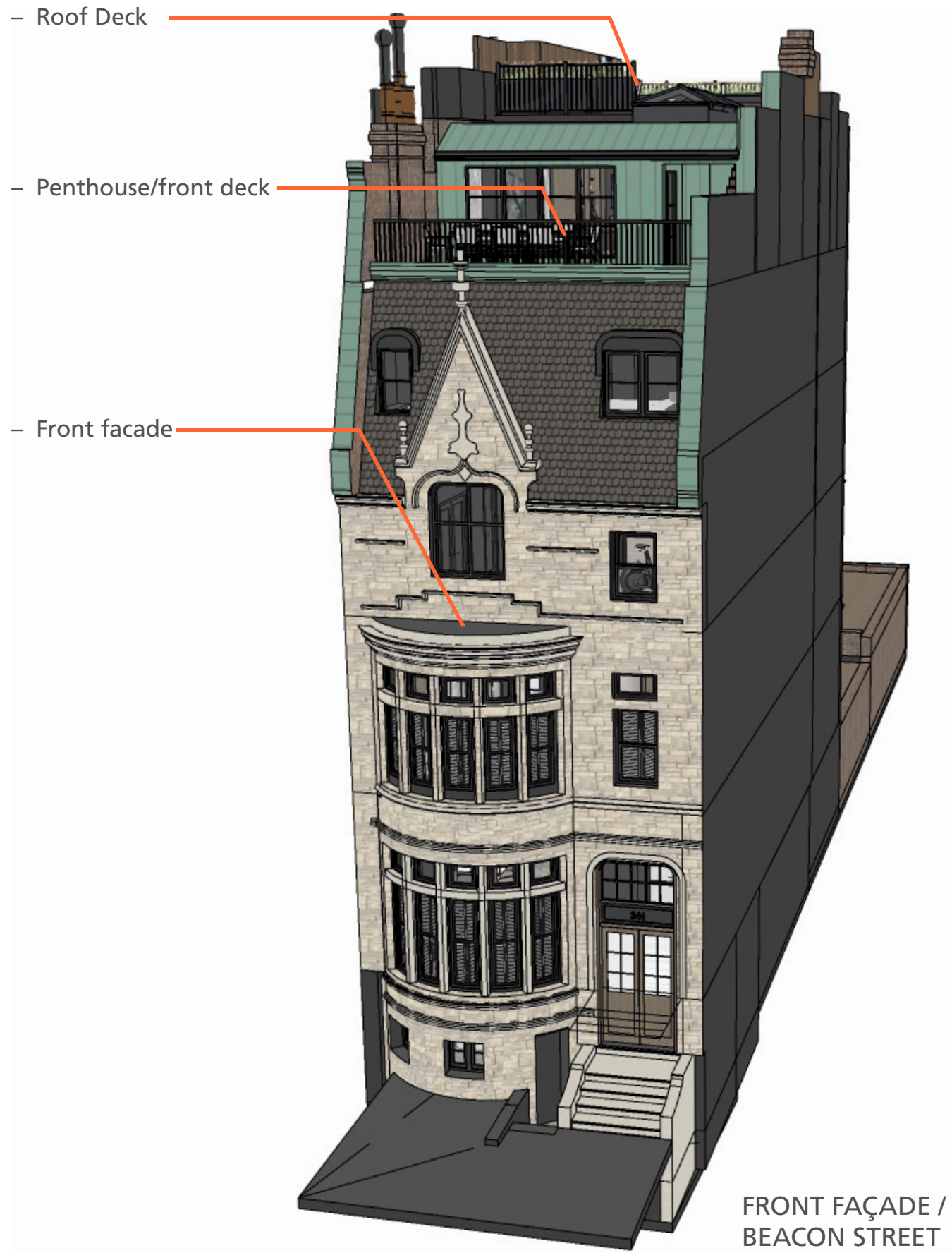
344 BEACON ST - WORK AREAS

344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019

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planade   Storrow Drive   grass buffer   Back Street   Garage   Rear Courtyard   344 Beacon Street   front yard   sidewalk   Beacon Street   sidewalk   front yard   361 Be

±78'-0"   ±9'-0"   ±27'-0"   ±40'-0"   ±21'-0"   150'-0"   ±17'-6"   ±14'-0"   ±46'-0"   ±14'-0"   ±17'-6"
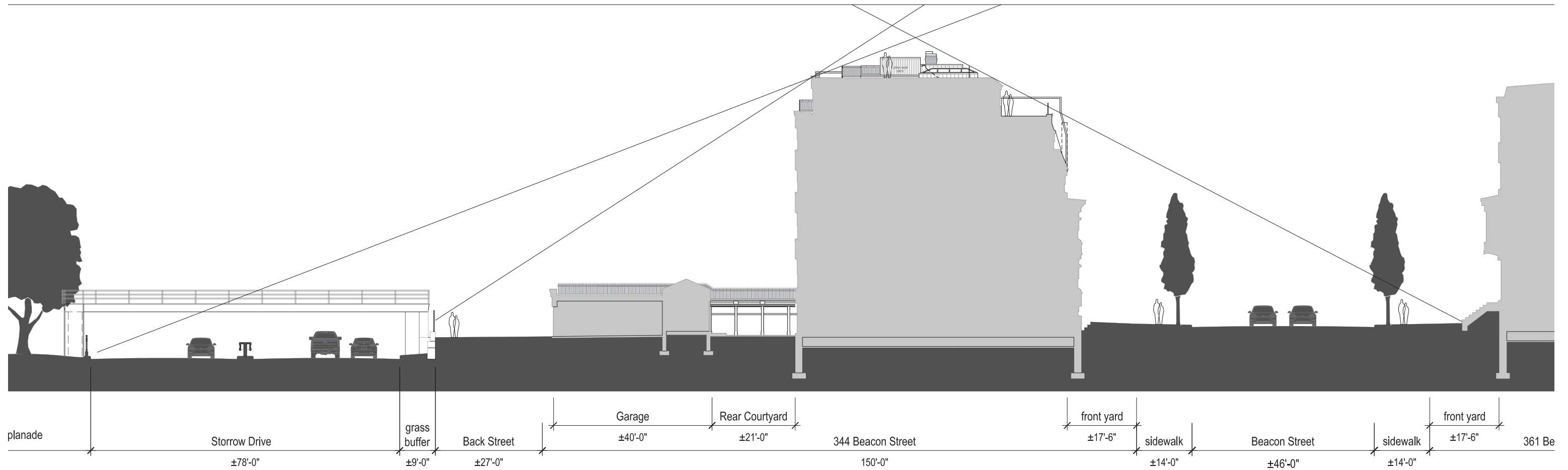
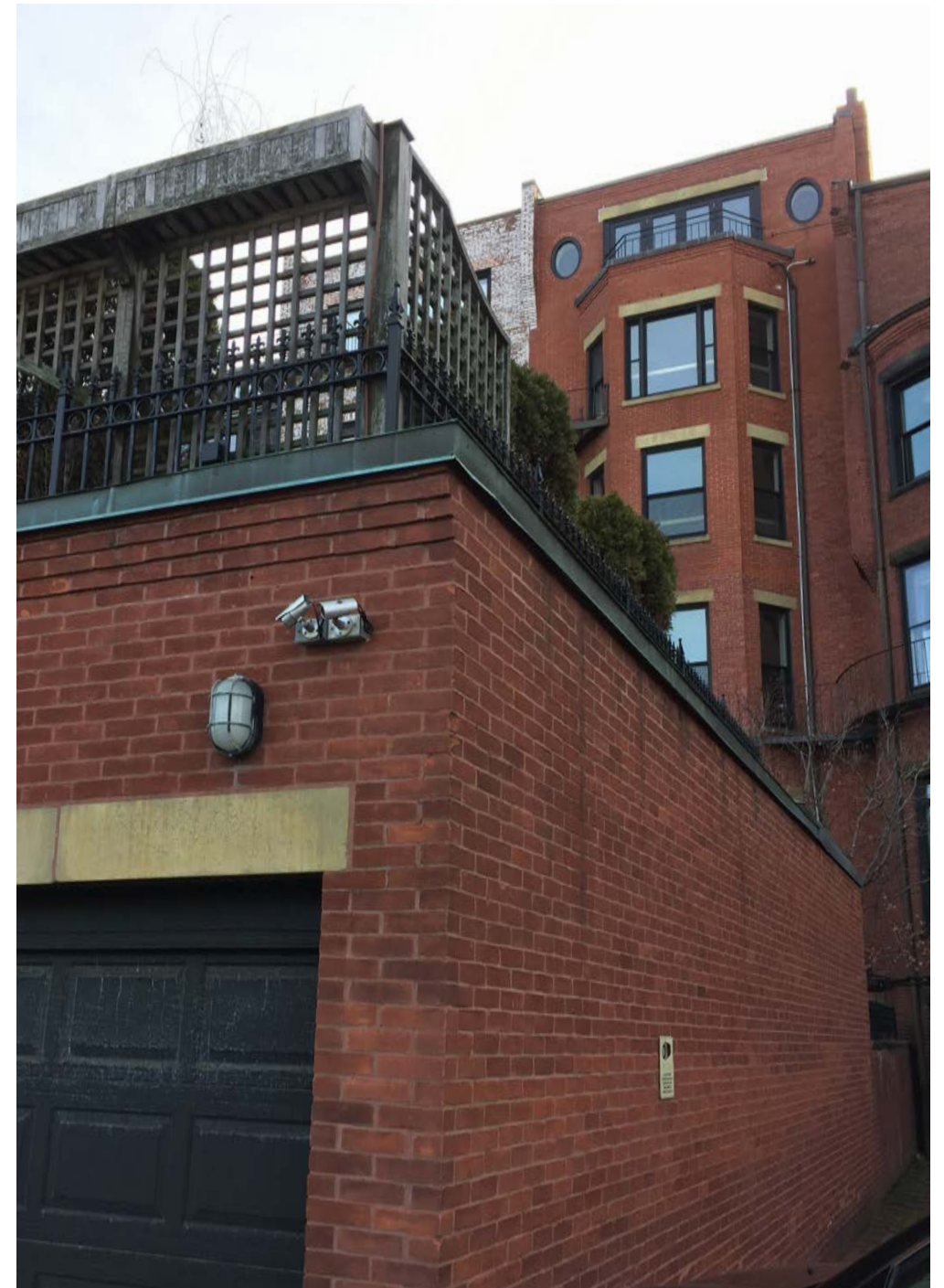**PROJECT SITE SECTION - SIGHT LINES**

344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019   5

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ROOF DECK ALTERATIONS - SITE LINES FROM BEACON STREET

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ROOF DECK ALTERATIONS - SITE LINES FROM BACK STREET

H+A

DETAIL VIEW @ RUSTICATED STONE

DETAIL VIEW OF FUNGAL GROWTH & MILDEW

DETAIL VIEW @ EXISTING BROWNSTONE STEPS

DETAIL VIEW @ EXISTING BROWNSTONE STEPS

Recoat brownstone stoop; match color of existing masonry
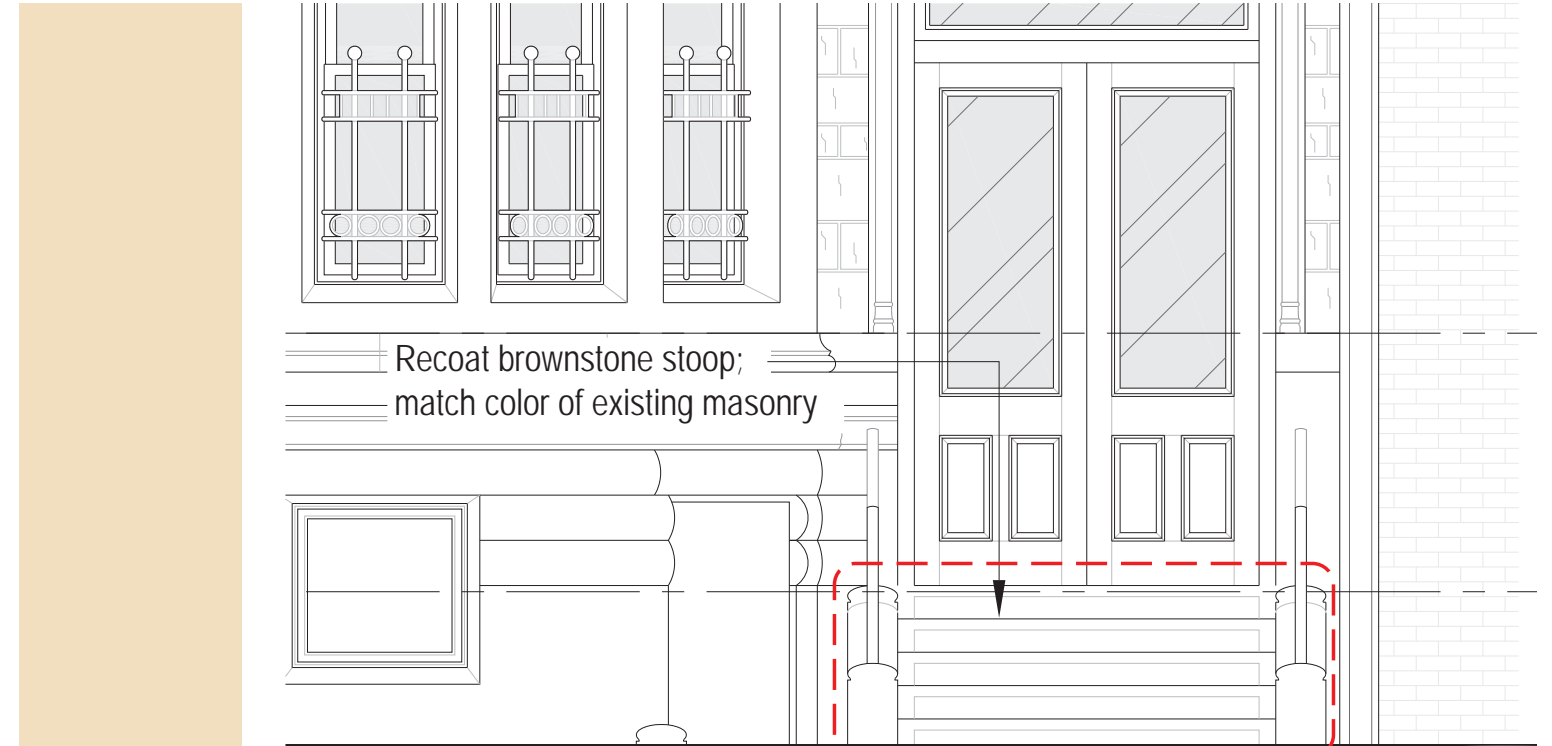
BAY NEAR FRONT ENTRY -
WASH DOWN BROWNSTONE MASONRY WITH LIGHT RESTORATION CLEANER;
WIRE BRUSHING, SANDBLASTING, AND OTHER ABRASIVE TECHNIQUES ARE PROHIBITED

RECOAT ENTRY STEPS (MATCH COLOR OF EXISTING BROWNSTONE)

CLEAN EXISTING BROWNSTONE MASONRY & RECOAT BROWNSTONE STEPS

H+A

EXISTING ENTRY DOOR

ENTRY CIRCA 1942

PROPOSED ENTRY DOOR

House number to be painted in gold color; no larger than 6" in height

True Divided Lites (TDL)

FLAT WOOD PANEL, PTD
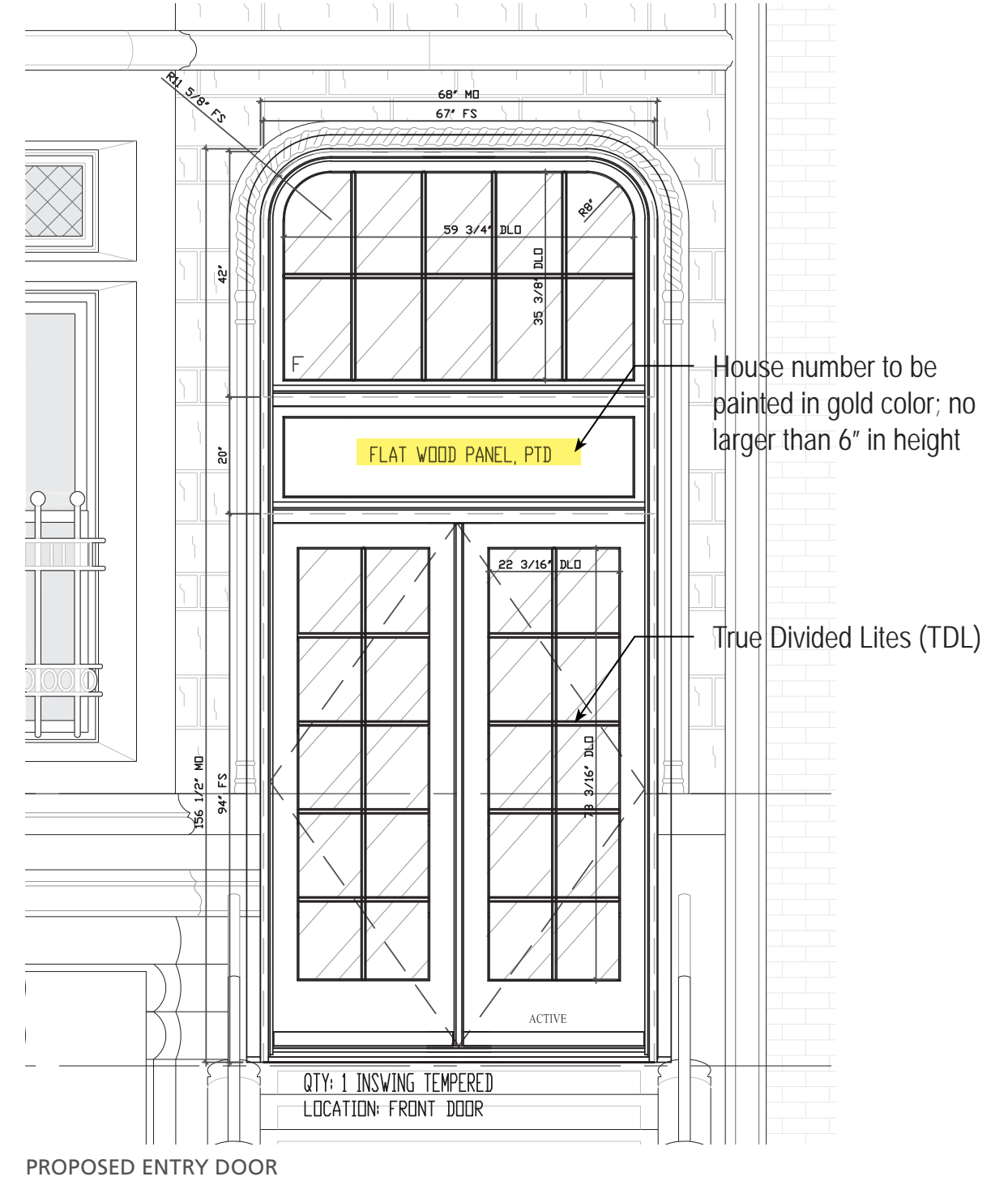
QTY: 1 INSWING TEMPERED
LOCATION: FRONT DOOR

REPLACE ENTRY DOOR

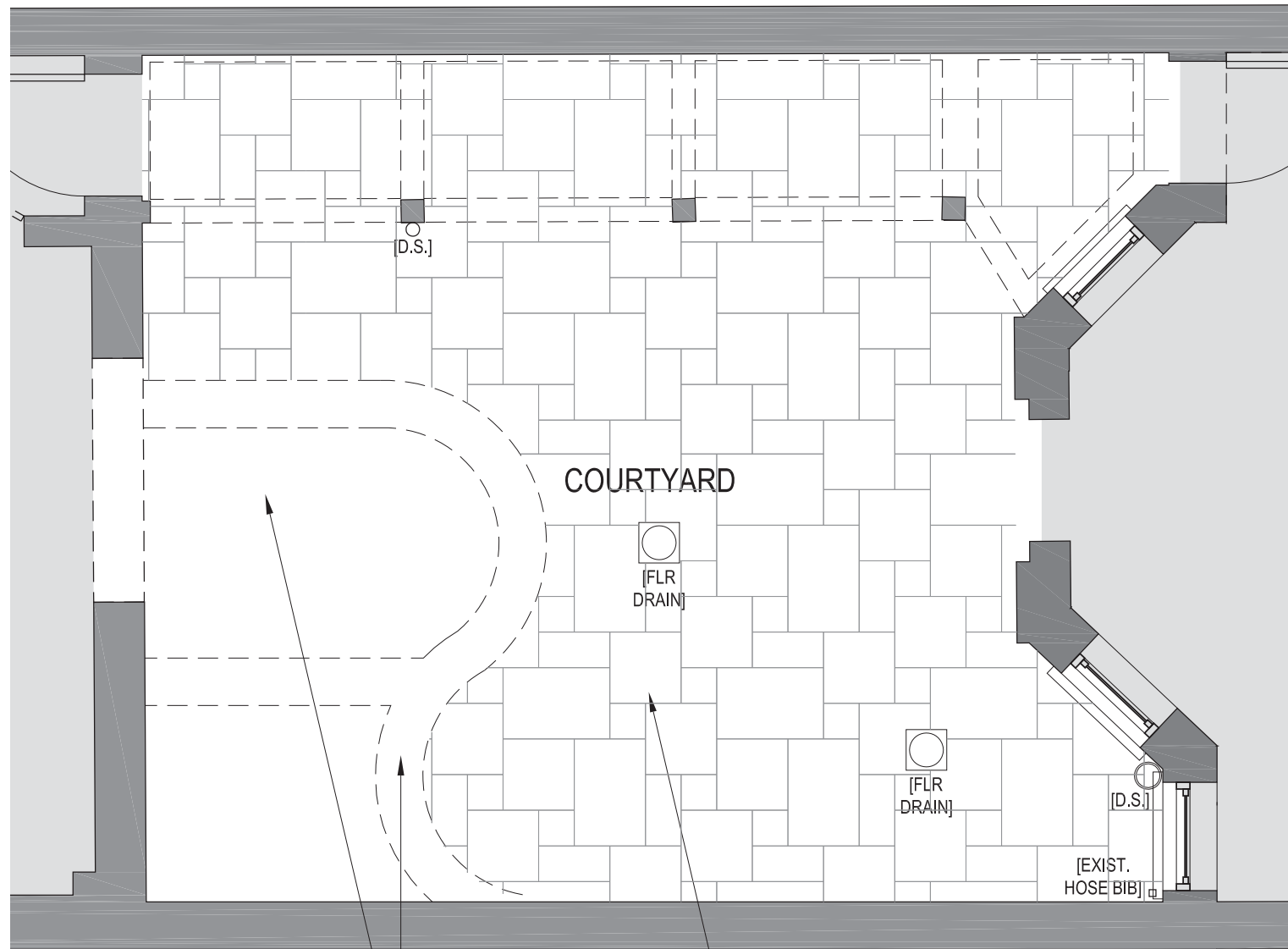344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019

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EXISTING BRICK WALKWAY

PROPOSED BRICK WALKWAY [BASKETWEAVE]

REPLACE BRICK WALKWAY FROM SIDEWALK

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H+A

REAR COURTYARD - EXISTING PAVERS

Left diagram labels:

[D.S.]

COURTYARD

[FLR DRAIN]

[FLR DRAIN]

[D.S.]

[EXIST. HOSE BIB]

Remove fountain + retaining walls

Remove pavers

REAR COURTYARD - PROPOSED NEW BLUESTONE PAVERS

Right diagram labels:

UP 7"

[D.S.]

CL COLLONADE OPENING

New door [see Sched.] in new M.O.; repair exter. as needed

G04

Sandstone border/tread (match exist. brownstone)

GARDEN COURTYARD

CL EXIST. DR

UP 7"

STEP UP 7"

[FLR DRAIN]

New dry-laid bluestone pavers [slope to exist. drains]
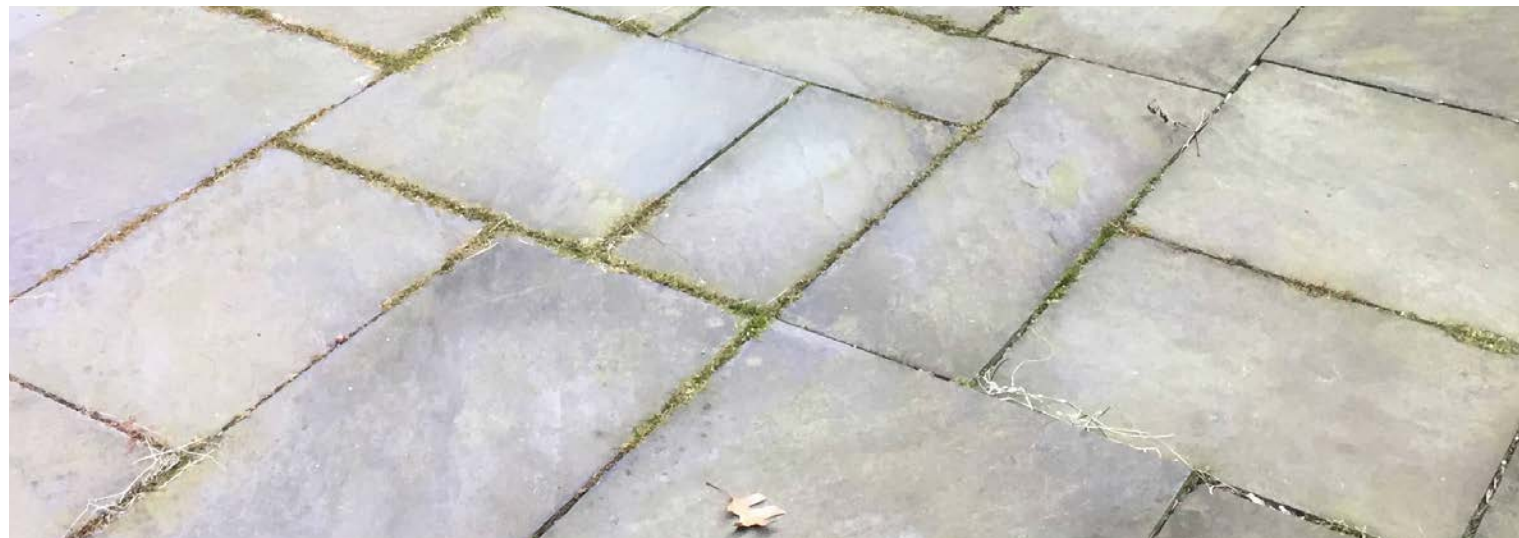
[FLR DRAIN]

[D.S.]

[EXIST. HOSE BIB]

Preserve exist. japanese maple tree

Rebuild raised planter (brick face + sandstone coping to match exist. brownstone)

REPLACE COURTYARD PAVERS
344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019   11

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EXISTING COURTYARD PAVERS
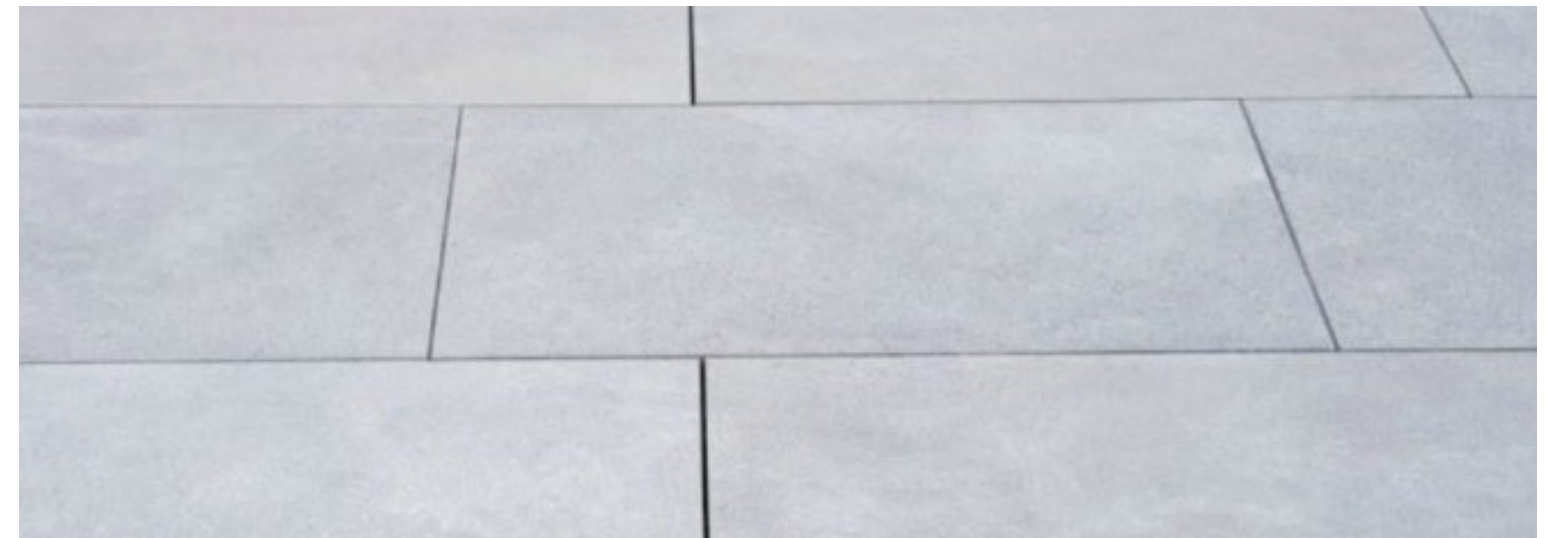
PROPOSED COURTYARD PAVERS [BLUESTONE]

REPLACE COURTYARD PAVERS

H+A

PROPOSED REAR DECK LIGHTING

FIRST FLOOR
+ 0' - 0"
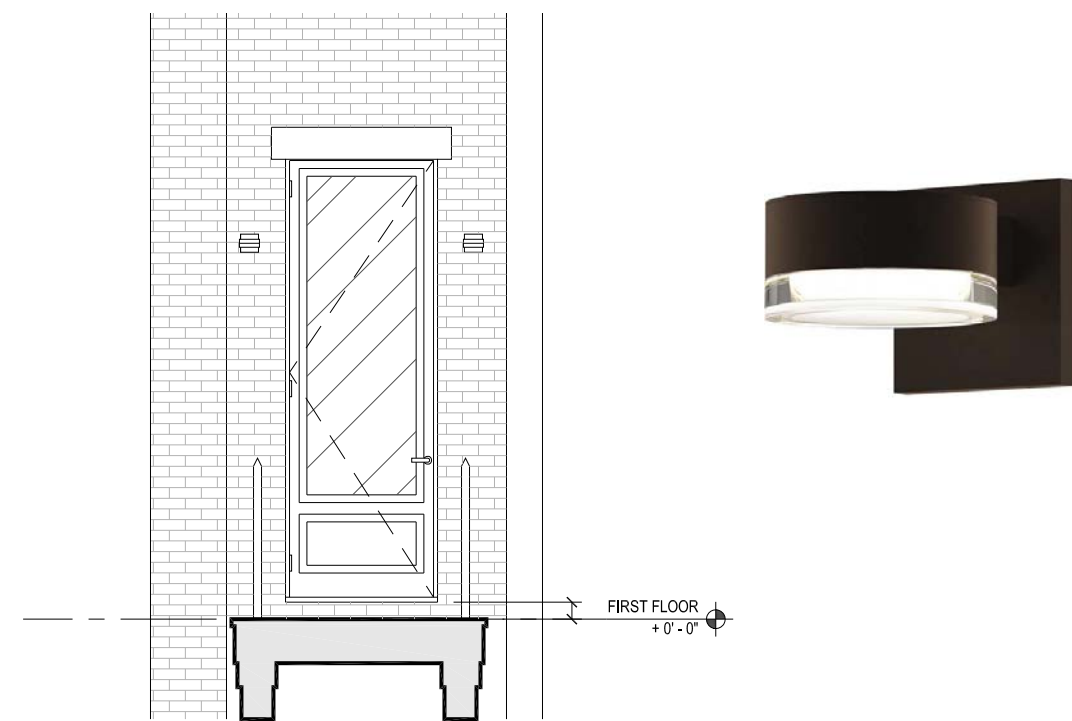
WALL SCONCES [QTY: 2]

EXISTING REAR DECK LIGHTING
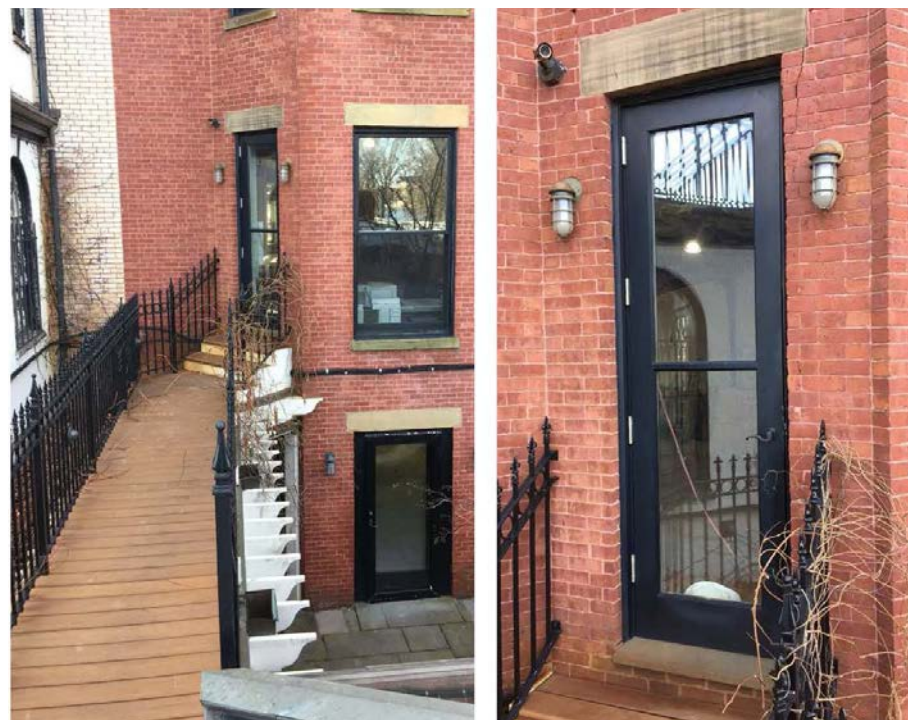
WALL SCONCES [QTY: 2]

PROPOSED COURTYARD LIGHTING

FAMILY ROOM ENTRY DOOR [REPLACE EXISTING]

SPA ENTRY DOOR [NEW], SURFACE MOUNT [REPLACE EXISTING]

SCONCES AT FAMILY ROOM ENTRY

COURTYARD SURFACE MOUNT

SCONCES AT SPA ENTRY

H+A

Remove wood lattice screen

Replace existing garage door & alley door

EXISTING GARAGE DOOR

WOOD GARAGE DOORS AT 348 BEACON ST (AS VIEWED FROM BACK STREET)

Replace exist. security camera

16'-0"

EQ.   EQ.   EQ.

6'-8"

Single-panel inswing door

Rail & stile wood garage door
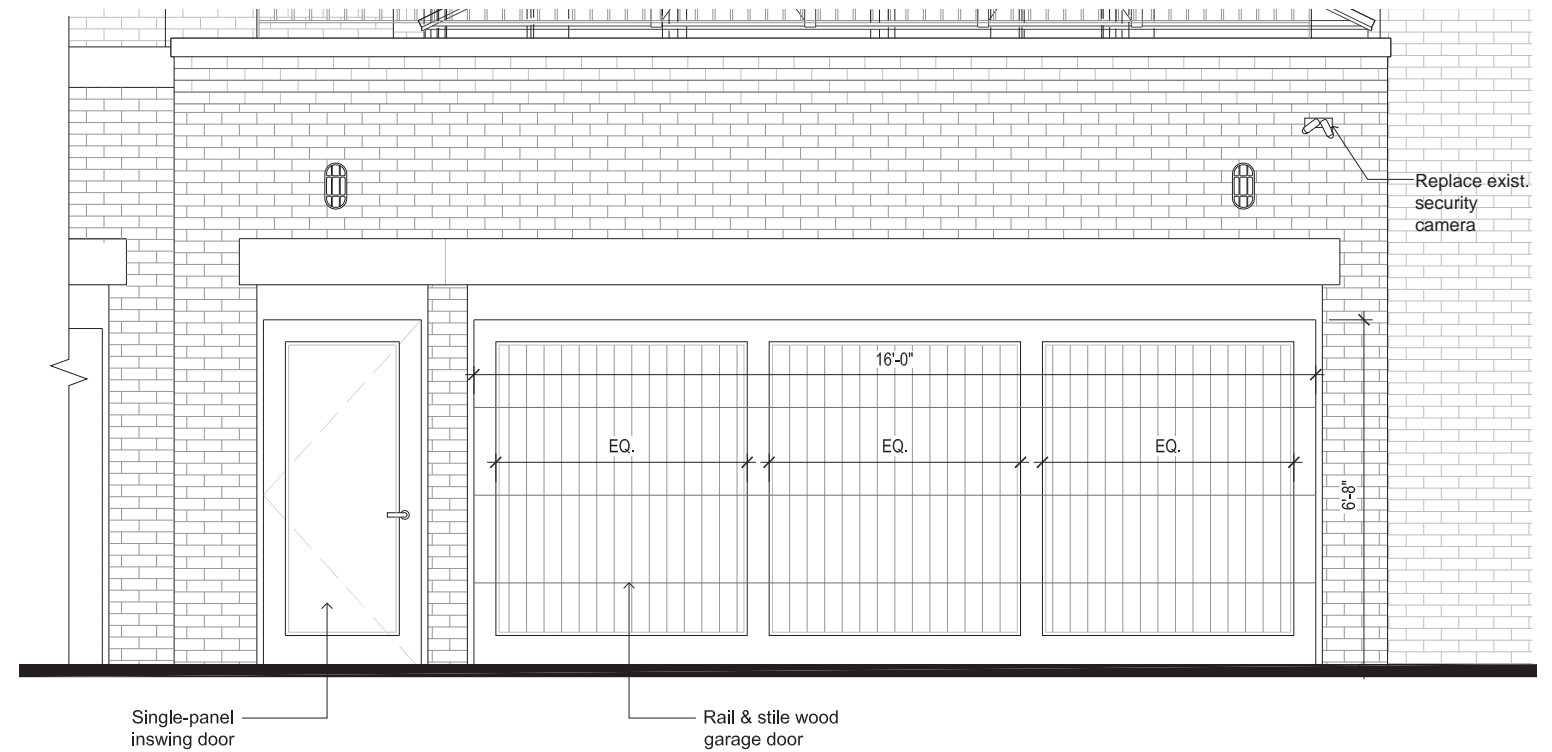
PROPOSED WOOD GARAGE DOOR & ALLEY DOOR

REPLACE GARAGE DOOR & ALLEY DOOR
344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019   14

H+A
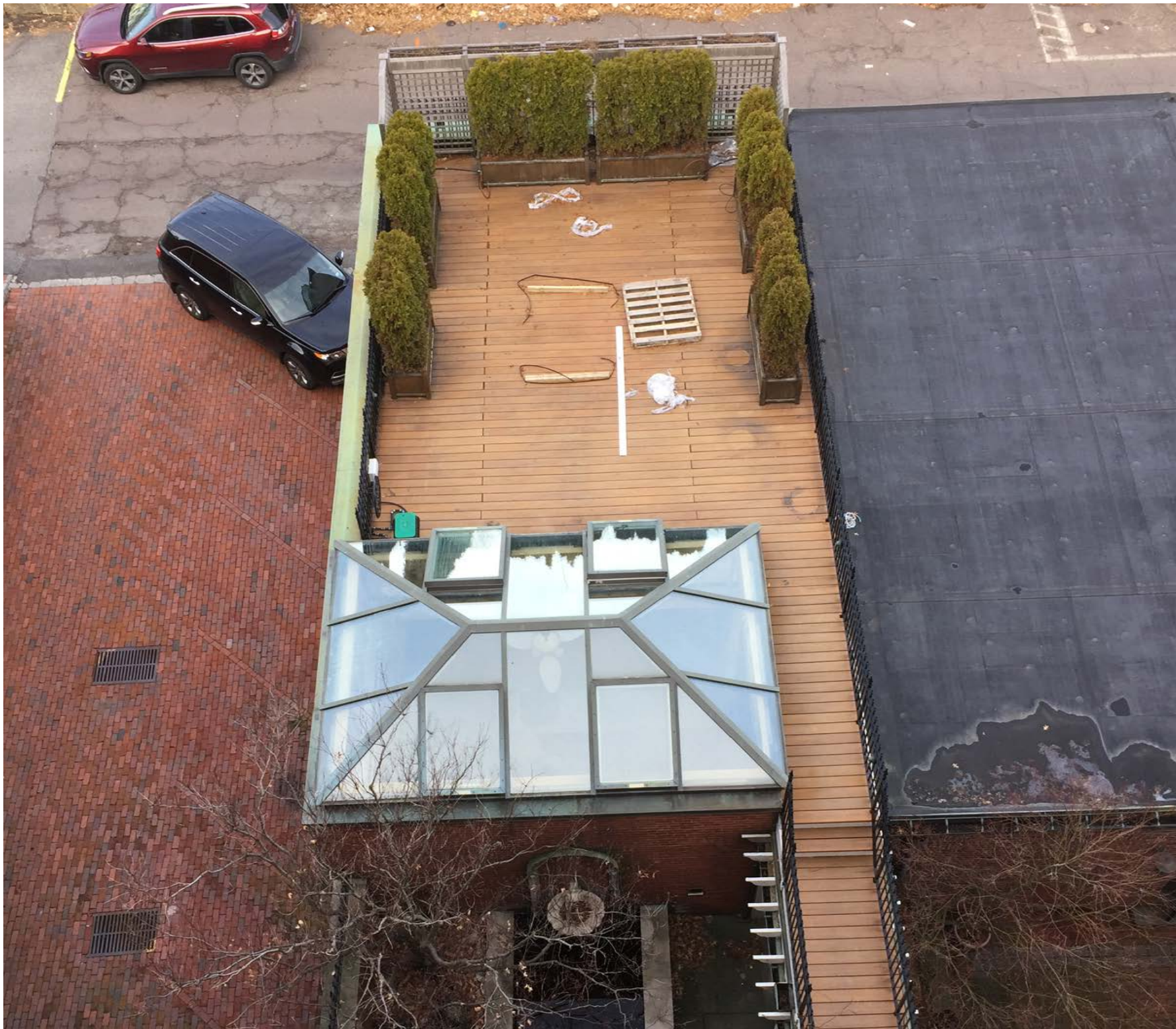
EXISTING LOWER DECK

EXISTING COMPOSITE DECKING

PROPOSED HARDWOOD DECKING [IPE]

REPLACE LOWER DECK - DECKING MATERIAL
344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019

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REPLACE LIGHT FIXTURES (EXISTING LOCATIONS)

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Outdoor Kitchenette - Plan
3   Scale: 1/2" = 1'-0"

BASE CAB.
U/C BEV CNTR
42" GRILL
BASE CAB.
A/C COND.
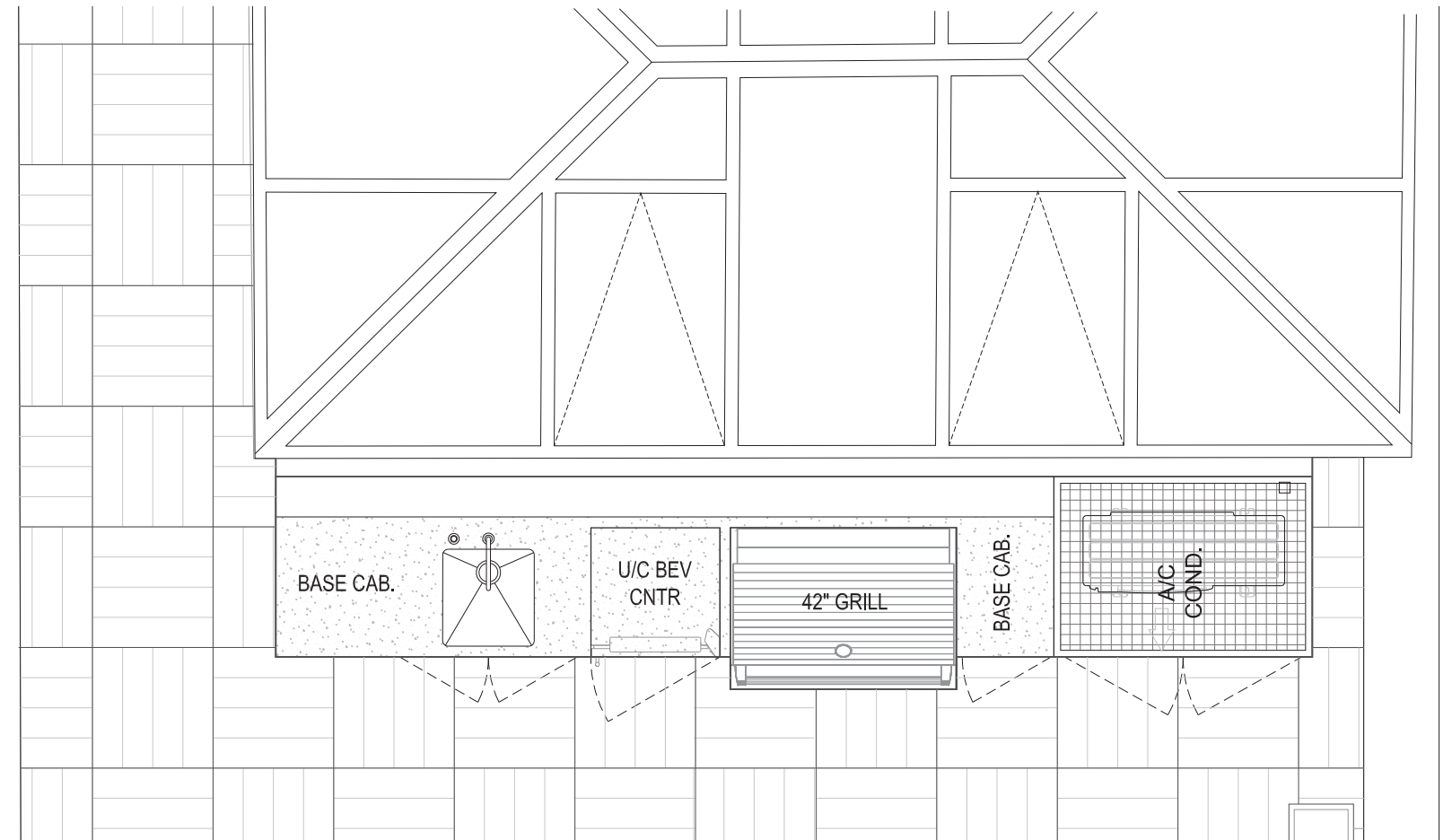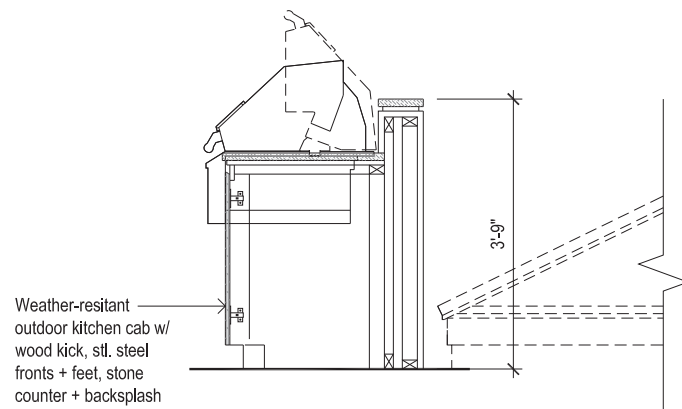
Outdoor Kitchenette - Section
2   Scale: 1/2" = 1'-0"

Weather-resistant outdoor kitchen cab w/ wood kick, stl. steel fronts + feet, stone counter + backsplash

3'-9"
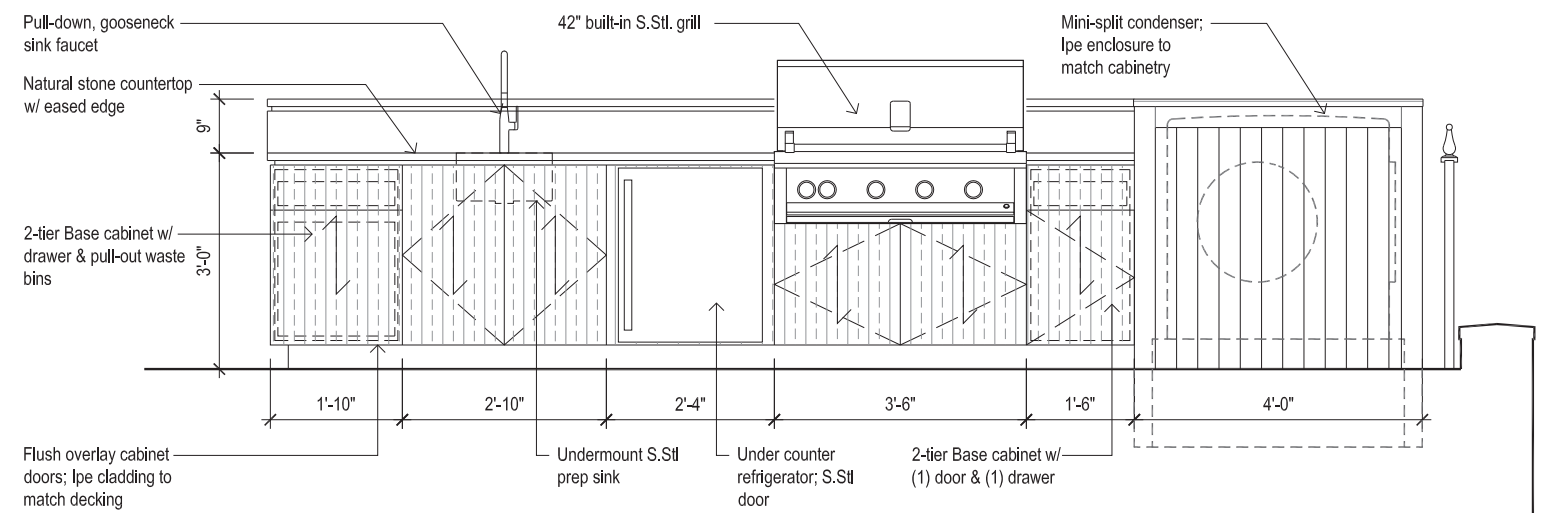
Outdoor Kitchenette - Front Elevation
1   Scale: 1/2" = 1'-0"

Pull-down, gooseneck sink faucet

42" built-in S.Stl. grill

Mini-split condenser; Ipe enclosure to match cabinetry

Natural stone countertop w/ eased edge

2-tier Base cabinet w/ drawer & pull-out waste bins

Flush overlay cabinet doors; Ipe cladding to match decking

Undermount S.Stl prep sink

Under counter refrigerator; S.Stl door

2-tier Base cabinet w/ (1) door & (1) drawer

9"   3'-0"

1'-10"   2'-10"   2'-4"   3'-6"   1'-6"   4'-0"

OUTDOOR KITCHENETTE - LOWER DECK
344 BEACON STREET | BBAC DESIGN REVIEW HEARING | MAY 08, 2019   17

H+A

VIEW FROM BACK STREET

VIEW FROM PEDESTRIAN BRIDGE

OUTDOOR KITCHENETTE - LOWER DECK

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New Vegetated Green roof trays

Existing Iron Railing

Replace Planters

Existing Elevator over-run

Replace Step Lights

Replace Wood Treads

Existing Skylight

New Guardrail

Existing Iron Railing

Exist. copper-clad chimney

Exist. brick chimney

Replace Flue Caps

Replace Rooftop Condensers

Replace Screen Wall

Abutter's exist. brick chimney

Replace Planters

Replace Penthouse Decking Material

Replace Upper Roof Deck Decking Material

Exist. decorative brick chimney

Abutter's exist. brick chimney
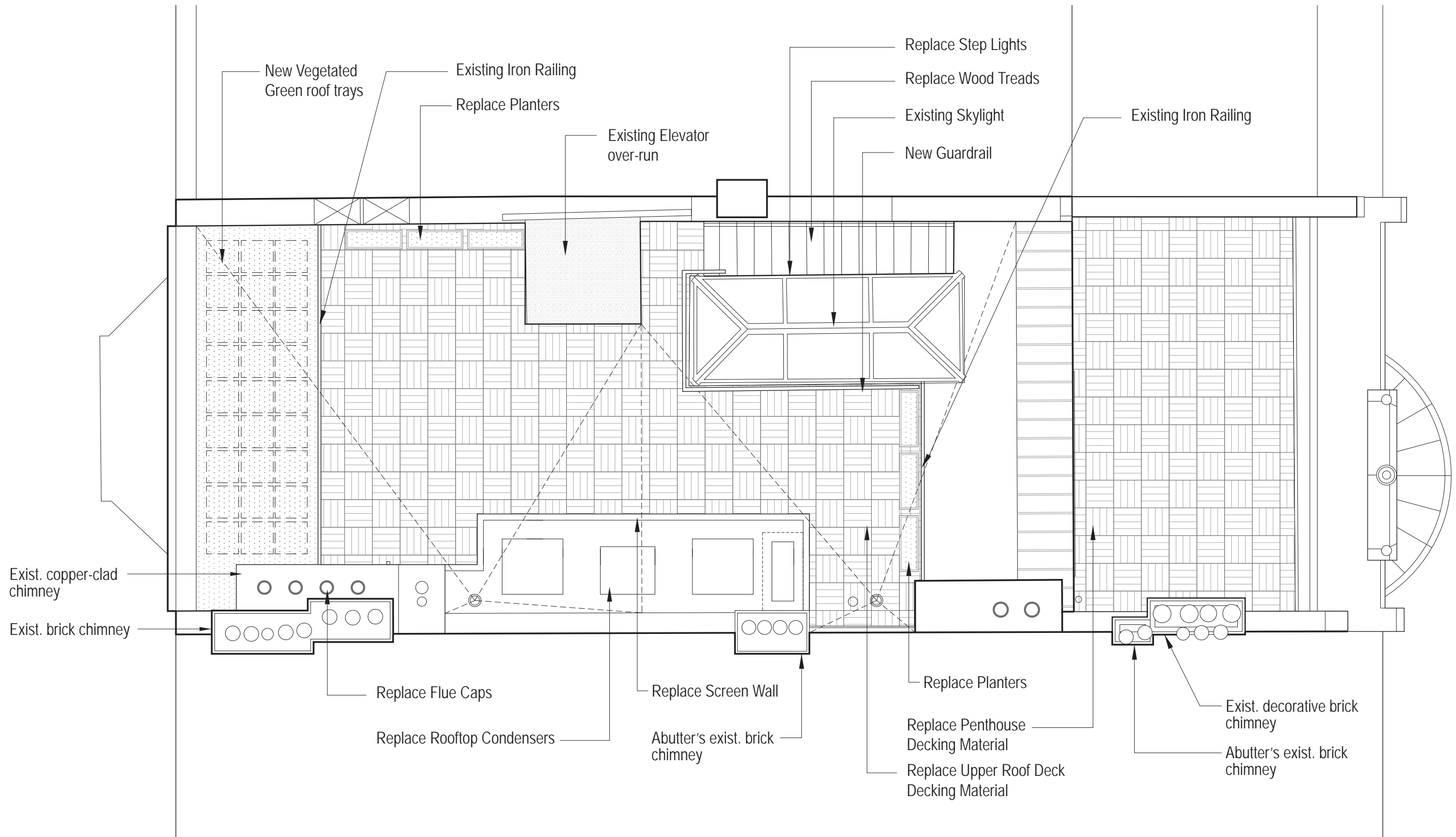
UPPER ROOF + PENTHOUSE DECK ALTERATIONS

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H+A

Remove bamboo arbor &
screen wall

Replace mech. screen wall

New mechanical equip.

Replace decking material

New Guardrail

Replace bamboo screen wall

Remove rubber roof tiles

PROPOSED ROOF TOP LAYOUT
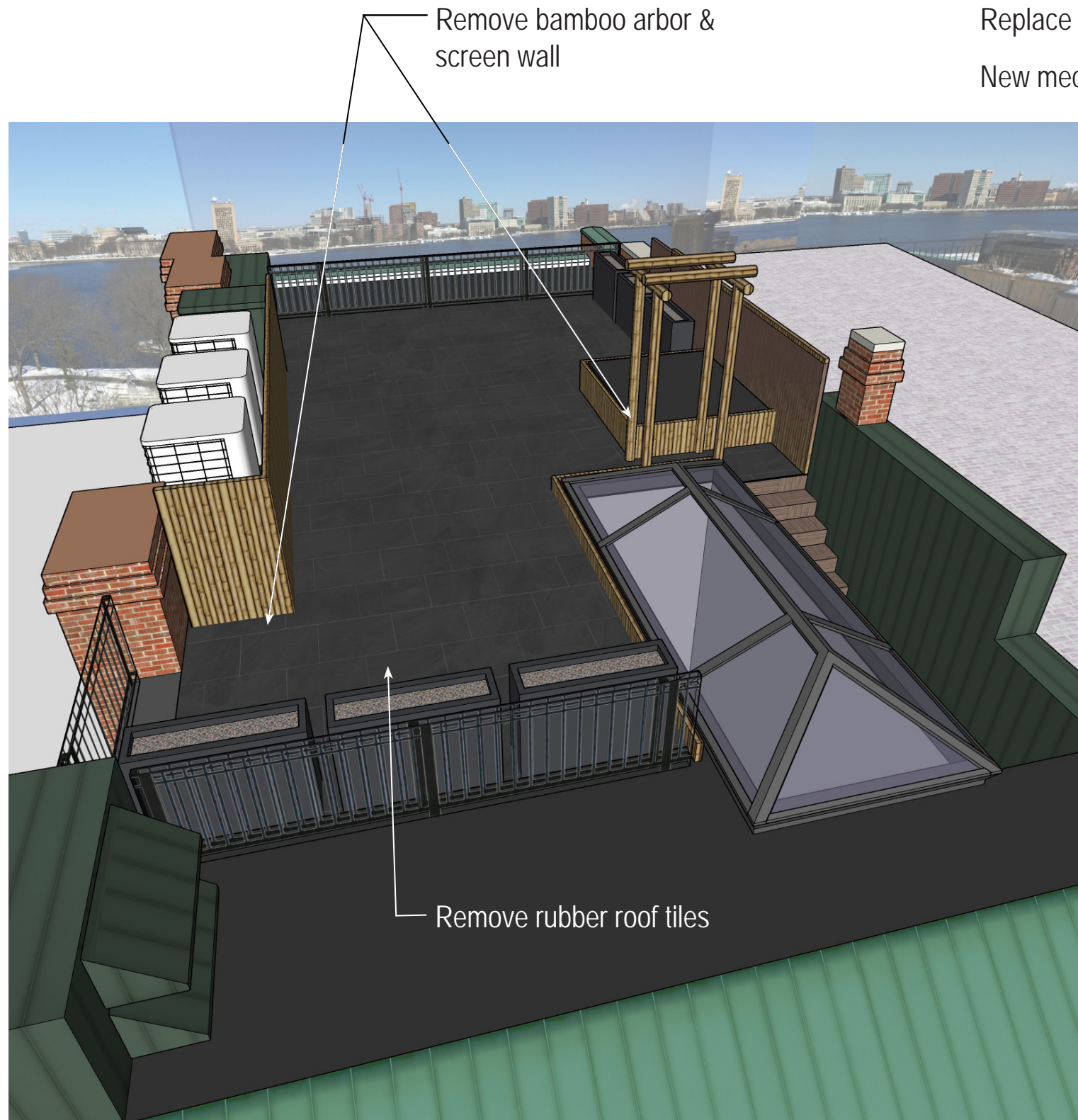
EXISTING ROOFTOP LAYOUT

12'-6"

4'-2"

4'-2"

4'-2"

Top of Guardail
42" above proposed deck level

3'-6"

Proposed Deck Level
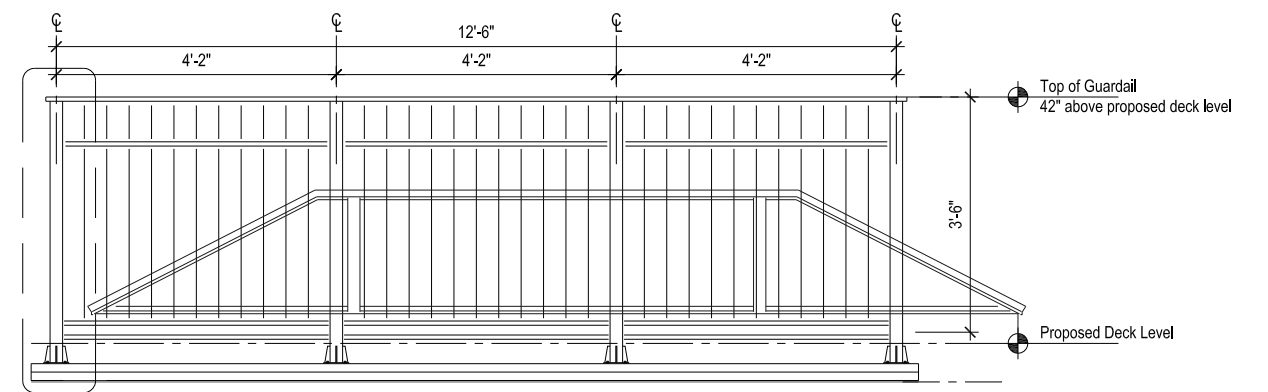
1

Roof Guardrail - Elevation

Scale

UPPER ROOF DECK ALTERATIONS

H+A

Remove wood deck tiles

Replace bamboo mech. screen

Remove bamboo screen walls

Remove rubber roof tiles

Ipê Wood Tiles
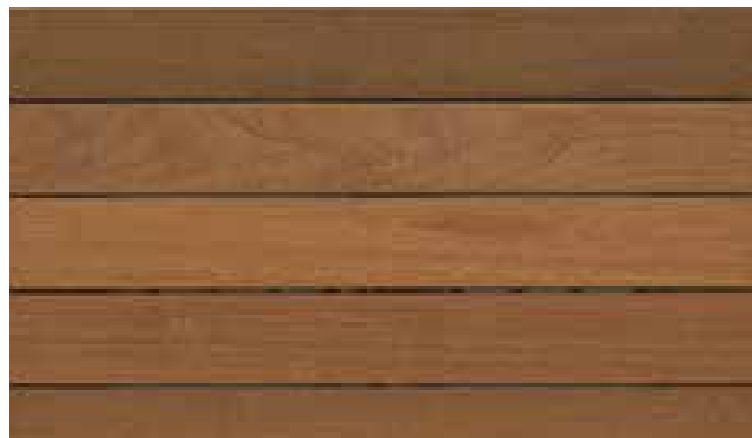
PROPOSED HARDWOOD DECKING [IPE]

REPLACE DECKING MATERIAL - PENTHOUSE DECK & UPPER ROOF DECK

H+A

EXISTING FRONT DECK LIGHTING

WALL SCONCES [QTY:3], SURFACE MOUNT LIGHT [QTY:1]

PROPOSED FRONT DECK LIGHTING

T.O. ROOF
+ 55' - 0"

10'-5½"

6'-10¼"

EQ.

EQ.

EQ.

EQ.   EQ.   EQ.   EQ.

FIFTH FLOOR
+ 44" - 10 1/2"
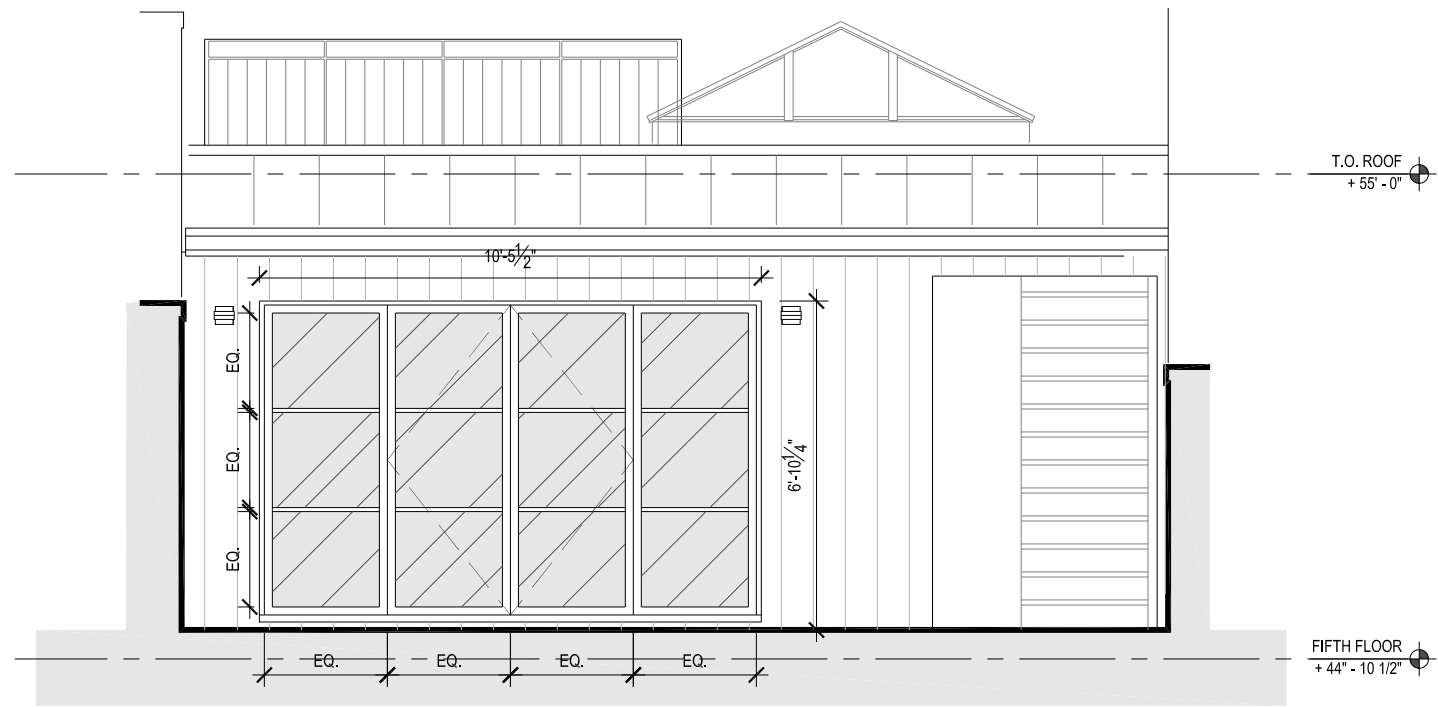
WALL SCONCES [QTY: 2], SURFACE MOUNT LIGHT [QTY:1]

ROOF DECK

[EXIST. HOSE
BIB + IRRIG.]

18'-7¼"

EXIST.
CONDENSER   CONDENSER   CONDENSER

4'-1"

brick
AFF]

Exist. copper-clad chimney
[FP flues; 42" AFF] to remain

Exist. copper-clad
chimney [plmbg stack;
42" AFF] to remain

Exist. roof drain
to remain

Abutter's exist.
brick chimney
[42" AFF]

Exist. stack
[verify active]

Exist. roof
drain to remain

Exist. copper-clad chimney
[bath + boiler exhausts;
42" AFF] to remain
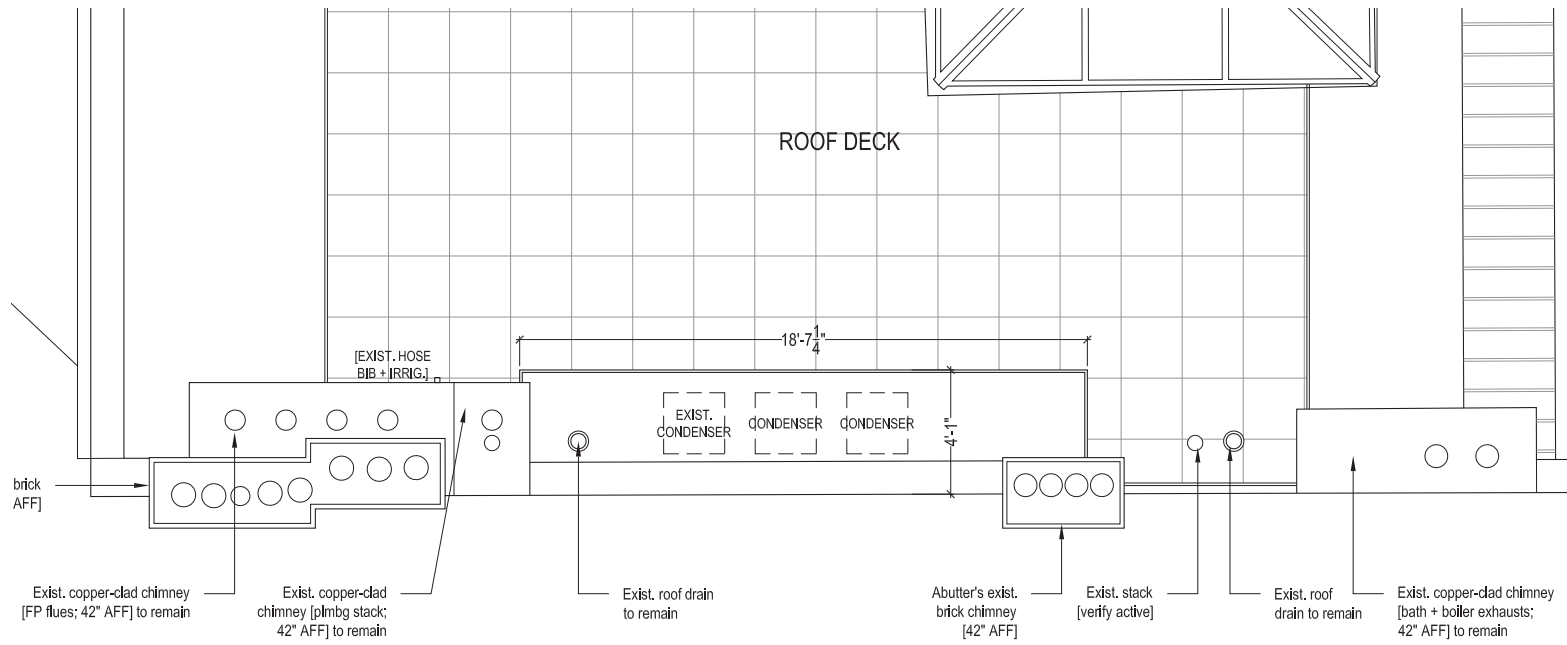
EXISTING ROOFTOP MECHANICAL LAYOUT

18'-7½"

60"

40"

Exist. HVAC condensers
(shown dashed)

Bamboo mech. screen

5'-0"

EXISTING MECHANICAL SCREEN WALL

ROOF DECK

New wood deck on
pedestals; repair
exist. memb.
roofing as needed

[EXIST. HOSE
BIB + IRRIG.]

19'-5½"

ACC-1 [35.5" D x
39" W x 45" H]

2'-0"

ACC-3 [35.5" D x
39" W x 45" H]

2'-0"

ACC-2 [34" D x 37"
W x 45" H]

1'-0"

HP-2

1'-0"

6"

New mini-split
condenser
[see HVAC]

brick
AFF]

Replace exist. con-
densers [see HVAC]

Exist. copper-clad chimney
[FP flues; 42" AFF] to remain

Exist. copper-clad
chimney [plmbg stack;
42" AFF] to remain

Exist. roof drain
to remain

Replace exist.
screen [removable
for service access]

Abutter's exist.
brick chimney
[42" AFF]

Exist. stack
[verify active]

Exist. roof
drain to remain

Exist. copper-clad chimney
[bath + boiler exhausts;
42" AFF] to remain

PROPOSED ROOFTOP MECHANICAL LAYOUT

19'-5½"

5'-0"

3'-7"

New HVAC condensers
(shown dashed)

New Ipe mech. screen

1'-0"

5'-0"
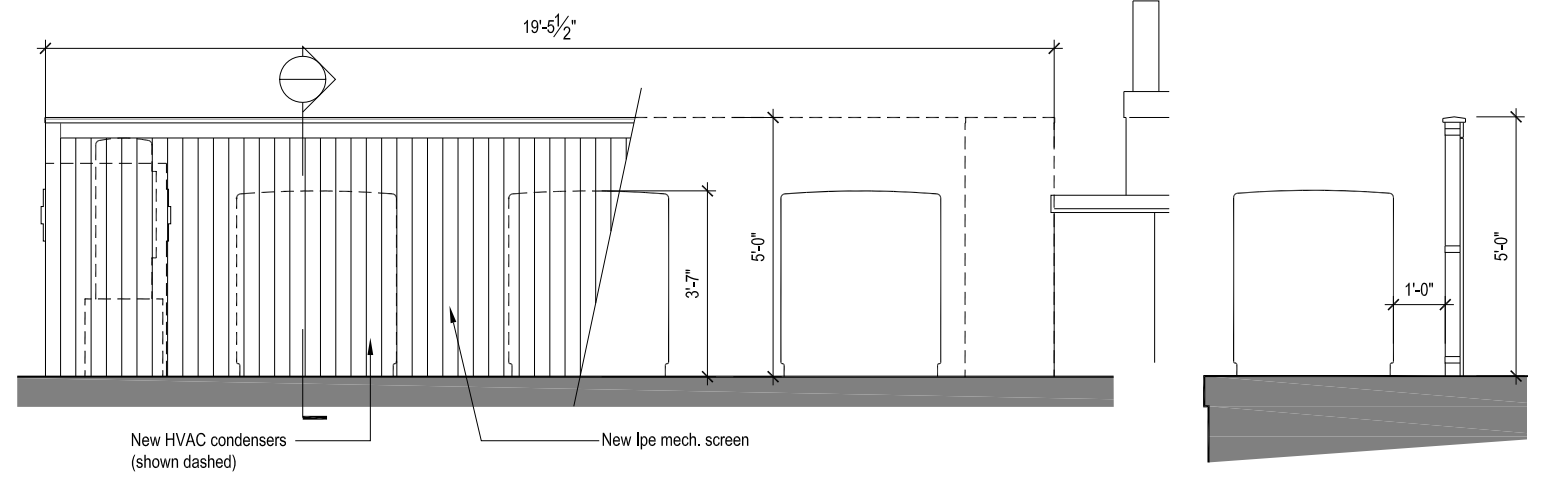
PROPOSED MECHANICAL SCREEN WALL

NEW ROOFTOP CONDENSERS + SCREEN WALL

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H+A

EXISTING MECHANICAL EQUP. SCREEN WALL
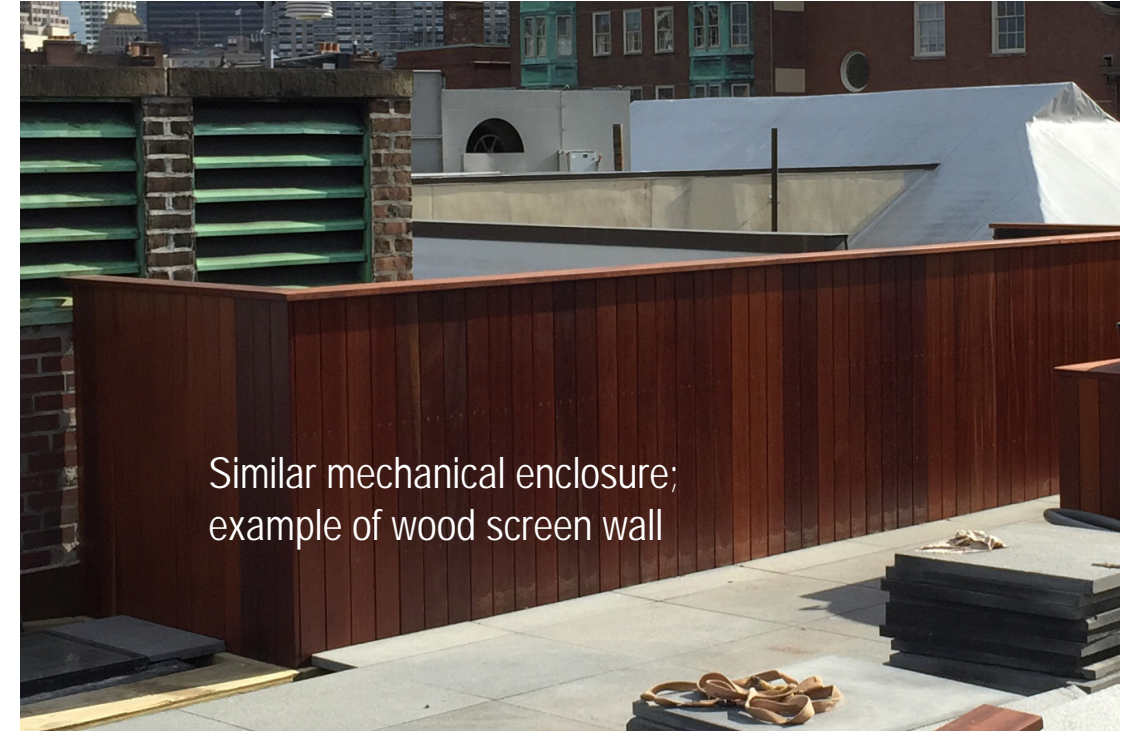
Similar mechanical enclosure; example of wood screen wall

PROPOSED MECHANICAL EQUIP. SCREEN WALL

ROOFTOP MECHANICAL EQUIP. - REPLACE PRIVACY SCREEN

H+A

Abutter's chimney;
clay chimney pots

Replace Existing Flue Caps

EXISTING CHIMNEY FLUE CAPS

EXISTING CHIMNEY FLUE CAPS

High-Wind Termination Cap

PROPOSED CHIMNEY FLUE CAPS

REPLACE CHIMNEY FLUE CAPS

H+A

PROSOCO ®

Enviro Klean®

NEXT GENERATION CLEANERS

SafRestorer®

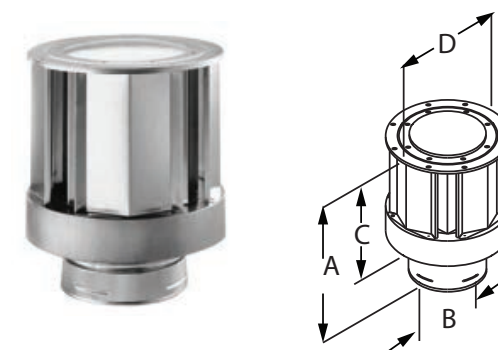Enviro Klean® SafRestorer® breaks the grip of stubborn atmospheric and carbon staining on masonry and stone for easy rinsing away. It restores the intended appearance of buildings soiled by decades of auto exhaust and other air pollutants. SafRestorer® also gets rid of soiling and hard-to-remove deposits on window glass, including white scum. This highly efficient liquid restoration cleaner is suitable for a wide variety of stone and masonry, including unpolished limestone and marble. Unlike many conventional restoration cleaners, low-odor, non-fuming SafRestorer® is safe for use around most architectural metal.

ADVANTAGES

- Fast and effective on most masonry surfaces.
- Safe for unpolished limestone and marble.
- Will not etch or discolor most glass, architectural metals or painted surfaces.
- Low-odor, non-fuming formulation.
- Contains no mineral acids.
- Effectively removes mud staining from clay brick surfaces.

Limitations

- May not be suitable for some polished stone and glazed surfaces.
- Repeated applications may damage glass and/ or glazing. ALWAYS TEST for acceptable results before overall application.
- Not intended for routine maintenance glass cleaning.
- Do not use on treated low-E glass; acrylic and polycarbonate sheet glazing; and glazing with surface-applied reflective, metallic or other synthetic coatings or films.

REGULATORY COMPLIANCE

VOC Compliance

Enviro Klean® SafRestorer® is compliant with all national, state and district VOC regulations.

TYPICAL TECHNICAL DATA

FORM	Clear, light yellow liquid Mild odor
SPECIFIC GRAVITY	1.11
pH	2.9
WT/GAL	9.15 lbs
ACTIVE CONTENT	not applicable
TOTAL SOLIDS	not applicable
VOC CONTENT	not applicable
FLASH POINT	not applicable
FREEZE POINT	28° F (–2° C)
SHELF LIFE	2 years in tightly sealed, unopened container

SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application and handling.

24-Hour Emergency Information: INFOTRAC at 800-535-5053

Product Data Sheet
Enviro Klean® SafRestorer®

PREPARATION

Protect people, vehicles, property and all surfaces not designated to be cleaned from product, splash, wind drift, residue, and rinse water. Protect/divert auto traffic and foot traffic. Clean when traffic is at a minimum.

Limit contact of cleaner with metal window frames, particularly architectural aluminum. If contact occurs, rinse immediately. In most cases, limited contact will not harm metal.

Surface and Air Temperatures

Best cleaning results are obtained when air and masonry surface temperatures are 40°F (4°C) or above. To avoid harm to masonry, do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist prior to application, let masonry thaw.

Equipment

Apply with an acid-resistant brush, heavy nap roller or low-pressure (50 psi max) spray. Do not atomize. Scrub heavily soiled surfaces with a nonabrasive brush or synthetic scrubbing pad.

Rinse spent cleaner and dissolved contaminants from the wall with masonry-washing equipment generating 400–1000 psi with a water flow rate of 6–8 gallons per minute. Use a 15–45° fan spray tip. Heated water (150–180°F; 65–82°C) may improve cleaning efficiency. Use adjustable equipment for reducing water flow-rates and rinsing pressure as needed for sensitive surfaces.

Rinsing pressures greater than 1000 psi and fan spray tips smaller than 15° may permanently damage sensitive masonry. Water flow-rates less than 6 gallons per minute may reduce cleaning productivity and contribute to uneven cleaning results.

Use only well maintained staging and scaffolding that is equipped with steel cable. Use polypropylene ropes and safety lines. Use acid-resistant dilution and application equipment.

Storage and Handling

Store in a cool, dry place with adequate ventilation. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature of 45–100°F (7–38°C). Do not double stack pallets. Dispose of in accordance with local, state and federal regulations.

APPLICATION

Read "Preparation" and the Safety Data Sheet before use. ALWAYS TEST a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

Dilution & Mixing

Enviro Klean® SafRestorer® may be used in concentrate or diluted with up to three parts fresh water. Conduct test panels to determine the mildest dilution ratio which produces the most effective cleaning solution. Always test to the final dilution producing desired cleaning results.

Do not alter or use for purposes other than specified.

BEST PRACTICES

Limit contact of cleaner with metal window frames, particularly architectural aluminum. If contact occurs, rinse immediately. In most cases, limited contact will not harm metal.

Conduct test panels to determine the mildest dilution ratio which produces the most effective cleaning solution. Always test to the final dilution producing desired cleaning results.

Apply with an acid-resistant brush, heavy nap roller or low-pressure (50 psi max) spray. Scrub heavily soiled surfaces with a nonabrasive brush or synthetic scrubbing pad.

Use only well maintained staging and scaffolding that is equipped with steel cable. Use polypropylene ropes and safety lines. Use acid-resistant dilution and application equipment.

Rinse spent cleaner and dissolved contaminants from the wall with masonry-washing equipment generating 400–1000 psi with a water flow rate of 6–8 gallons per minute. Use a 15–45° fan spray tip. Heated water (150–180°F; 65–82°C) may improve cleaning efficiency. Use adjustable equipment for reducing water flow-rates and rinsing pressure as needed for sensitive surfaces.

Never go it alone. If you have problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care, toll-free, at 800-255-4255.

Product Data Sheet
Enviro Klean® SafRestorer®

Typical Coverage Rates

Coverage varies based on porosity and texture. Always test.

- 150–400 sq.ft. per gallon of undiluted cleaner
- 14–37 sq.m. per gallon of undiluted cleaner

Application Instructions

Brick and Stone

1. Working from the bottom to the top, thoroughly prewet the surface with fresh water.
2. Apply the cleaning solution freely from the bottom of the work area to the top.
3. Let the cleaning solution stay on the wall 5–15 minutes. If the cleaner starts to dry, reapply.
4. Reapply the cleaning solution to heavily soiled areas. Scrub gently.
5. Working from the bottom to the top, thoroughly rinse treated surfaces with clean water. Make sure to flush all spent cleaner and dissolved soiling from the surface, surface pores and adjacent non masonry surfaces.

Glass

Working from the bottom to the top, thoroughly prewet the glass with fresh water. Apply in concentrate directly to window. Let cleaner dwell for no more than five minutes. Thoroughly rinse spent cleaner and dissolved contaminants off glass with lots of fresh water.

NOTE: Repeated applications may damage glass and/or glazing. ALWAYS TEST for acceptable results before overall application.

Cleanup

Clean equipment with fresh water.

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose**. The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care – technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, for the name of the PROSOCO representative in your area.

conproco®

Matrix TR

Brush or trowel applied, polymer modified, cementitious repair mortar for thin repairs to natural and cast stone.

Performance Characteristics

Low shrinkage
- Maintains integrity of repair, resists cracking.

Thermal compatibility
- Prevents delamination due to temperature change.

Durable
- Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance.

Very low permeability
- Resistant to deicing salts, carbonation, chloride, and chemical attack.

Breathability
- Will not cause damage to structure by restricting moisture vapor flow.

Complete kit
- Pre-measured, two component system in one container.

Extensive color spectrum
- Available in 11 standard colors and custom color matching.

Surface Preparation
- Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper bond.
- Apply _Conpro Start_ where a consolidant is of benefit.
- Pre-treat static cracks and voids with _Injection Grout_ where applicable.
- Saturate substrate with clean water, (saturated surface dry/SSD).
- Mechanically prepare surface to be open-pored and textured (CSP 3). Refer to ICRI Surface Preparation Guide 03732 for information about surface preparation.

Priming
- No priming is required under normal circumstances.

Mixing
- Mechanically mix using a low speed drill (400-600 rpm) and mixing paddle.
- Thoroughly shake K-88 Admix to disperse the pigment.
- Mix 3 parts powder to 1 part K-88 Admix.
- Mix continuously for 3 minutes to a uniform, lump-free consistency.
- Allow to "breathe" for 1 minute and remix for 1 minute. This will improve workability and open time.
- Do not overmix, as this will entrain excess air.
- Do not re-temper.

Application
- At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.
- Apply material with a stiff bristle brush or trowel.
- Work material into substrate to promote proper adhesion.
- Coat individual stones (not continuous over mortar joints) a maximum thickness of 1/16 inch.
- Finish with either a sponge float or trowel.
- Do not overwork the finish.

Curing
- Protect repair from direct sunlight, wind, rain condensation and frost during curing period.

Clean Up
- Clean tools and equipment with water immediately after use.
- Cured material must be removed mechanically.

Matrix TR

Coverage/Yield
- **10 lb. kit** - 20 ft² @ 1/16 inch.

Product Handling
Packaging
- 10 lb. kit contains 8.36 lbs. of powder and 2.1 lbs. of K-88 Admix in plastic pails.

Shelf Life
- 18 months when properly stored.

Storage
- Transport and store in cool, clean, dry conditions in unopened containers.
- High temperature or high humidity will reduce shelf life.
- Protect K-88 Admix from freezing.

Limitations
- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 50°F for 24 hours. Refer to ACI Cold Weather Application Guidelines.
- Protect application from precipitation condensation and high wind for at least 24 hours.
- Do not re-temper, polymer modified materials.
- Avoid overworking material during placement.
- Do not apply curing compounds.
- Do not allow polyethylene or burlene to touch surface while curing as this will cause whitening of the material.

Health and Safety
- Product is alkaline.
- Do not ingest.
- Avoid breathing dust.
- Avoid contact with skin and eyes.
- Refer to Safety Data Sheet (SDS) for additional information.

First Aid
- In case of skin contact, wash thoroughly with soap and water.
- For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional.
- For respiratory problems, remove person to fresh air.

Disposal
- Dispose of material in accordance with local, state and federal regulations.

Technical Data

Physical state and appearance		Dry pigmented powder and liquid		

Base
  Powder
  Liquid admix
		
		Portland cement
		Acrylic polymer		

pH	Wet mix	>12		
Liquid/dry material ratio		0.33		
Dry bulk density	ASTM C188	93 lbs./ft.³		
Density	Hardened	118 lbs./ft.³		
Setting time @ 1/8 inch thickness	ASTM C953	Initial 15 minutes – Final 30 minutes		
Durometer hardness	ASTM D2240	70		
Water vapor transmission	ASTM E96	5.1 perms		
Accelerated weathering	ASTM G154	2000 hours – excellent – no effect		
		7 days	**14 Days**	**28 days**
Compressive strength - psi	ASTM C109	4000	5100	6200
Tensile strength – psi	ASTM C307	200	250	350

conproco®

17 PRODUCTION DRIVE, DOVER, NH 03820
TELEPHONE 800.258.3500 • FAX 603.743.5744 • WEB ADDRESS www.conproco.com

conproco®

Masonry Restoration Standard Colors

Matrix

Matrix TR

Injection Grout

RePoint

K1
Light Limestone

K2
Medium Limestone

K3
Dark Limestone

K4
Sandstone

K5
Dark Sandstone

K6
Terracotta

K7
Light Brownstone

K8
Brownstone with Mica

K9
Dark Brownstone

K10
Union Brownstone

K11
Precast

Difference in Color
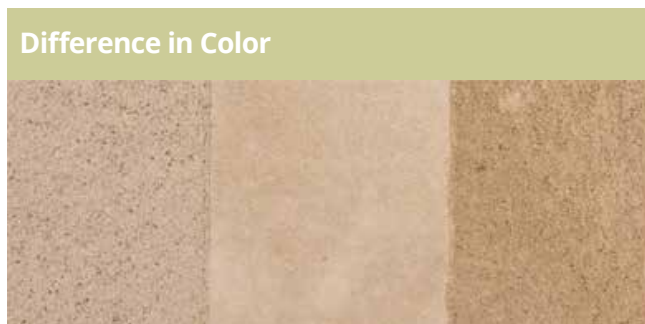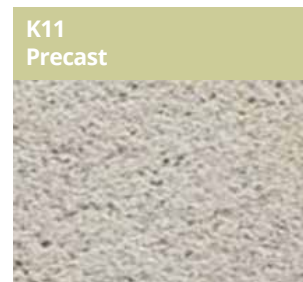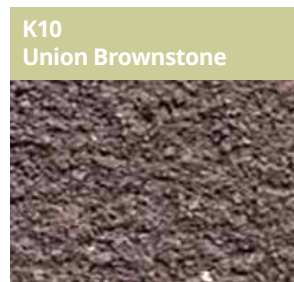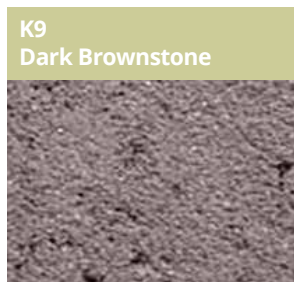
Created by...
shaved finish (left) smooth finish (center)
sandblast finish (right)

Each of the listed products are available in colors K1-K-11.

This color card is to provide an approximation of the color.

Always request a sample of the product in desired color for accurate matching.

The colors shown are standard for Matrix, Matrix TR (formerly Mimic TR), Injection Grout and RePoint.

Color matching is available for each of these products with the exception of Injection Grout.

Refer to current data bulletin for application and finishing detail for each product.

For custom color matching contact Conproco customer support at 800.258.3500.

MATTE BLACK FINISH

WATER STREET
LAKEWOOD NEW YORK

MN Edge Detail

L

MN Edge Detail - Square Profile

	Part Number	Width	Height
L	21500	2-1/2"	20"

The large escutcheon is used primarily on exterior doors or very large interior doors, including the following applications:

- Thumbpiece x thumbpiece entry sets
- Thumbpiece x lever or knob (typically large escutcheon on exterior side only)
- Mortise or tubular privacy & passage sets
- Full and half dummy sets
- Push plates and pull plates

21500 Escutcheon
22007 Thumbpiece
7813   Entry Handle

22043
THUMBPIECE

EP74

32

03/01/2019

VIM-3140

4MP H.265 Motorized IR Bullet Camera

- H.265 Codec
- Up to 2560 x 1440 High Resolution
- IR Range: 30-50m (98.4 - 164ft)
- Triple Streams
- Smart Video Quality Diagnosis
- Audio I/O 1/1, Alarm I/O 2/0, MicroSD Slot, Up to 128GB
- Operating Temps:
    - -30°C ~ 60°C (-22°F ~ 140°F) – IR Off
    - -30°C ~ 40°C (-22°F ~ 104°F) – IR On
- Indoor/Outdoor
- Compatible with Visualint Touch Arming & Disarming Station

CAMERA

Model	VIM-3140
Image Sensor	1/3" OV CMOS
Core Processor	ARM9 Architecture
Operating System	Embedded Linux
Signal System	PAL/NTSC
Minimum Illumination	Color: 0.3 Lux @ (F1.4, AGC On) B/W: 0.01 Lux @ (F1.4, AGC on); 0 Lux with IR
Shutter Time	1s to 1/100,000s
Lens	2.8 – 12mm, Motorized Lens, Angle of View: 90.8^o ~ 32.1^o
Lens Mount	Φ14
Auto Iris	DC Drive
Day & Night	IR Cut Filter with Auto Switch
Wide Dynamic Range	120 dB
Digital Noise Reduction	3D DNR
Focus	Auto

COMPRESSION STANDARD

Video Compression	H.265/H.264 HP/MP/BP/M-JPEG
Bit Rate	32Kbps ~ 16Mbps
Audio Compression	G.711A/G.711U/ADPCM/AAC
Bit Rate	G711 8KHz, 64kbps ADPCM 8KHz, 32kbps AAC 48KHz, 96-320kbps

IMAGE

Max. Image Resolution	2560x1440
Frame Rate	PAL: 1440p@25fps, QXGA@25fps, 960p@25fps, 720p@25fps, Up to 1280x720@50fps NTSC: 1440p@25fps, QXGA@30fps, 1080p@30fps, 960p@30fps, 720p@30fps, Up to 1280x720@60fps
Triple Stream	Mainstream: 1440P (2560x1440) Substream: D1 (704x576) 3rd Stream:CIF (352x288)
Image Settings	Brightness, Saturation, Contrast, Flip Mode Adjustable by Client Software or Web Browser
HLC	Yes
Smart Defog	Yes
Corridor	Yes
EIS	Yes
ROI	4 Zones
Privacy Mask	4 Zones
Picture Overlay	200 x 200, BMP 24bit, Zone Configurable
OSD	16x16, 32x32, 24x24, 48x48, 64x64, 96x96 Size Letters Such as Week, Date, Time, Total 5 Regions

NETWORK

|	
Browser	IE10+, Firefox24 on Windows
Protocols	IPv4/IPv6/HTTP/802.1x/FTP/SMTP/UPnP/SNMP/DNS/DDNS/ NTP/RTSP/TCP/UDP/DHCP/PPPoE
User Permission	4 Level/8 Users
Remote Connection	4 Users Access at the Same Time
System Compatibility	ONVIF (Profile S)

INTERFACE

Audio Input	1-ch
Audio Output	1-ch
Communication Interface	1-ch RJ45 10M/100M Ethernet Interface
Alarm Input	2-ch
Alarm Output	1-ch
Video Output	1-ch Vp-p Composite Output (75Ω, BNC)
On-Board Storage	Micro SD Card Slot, up to 128GB
Extension	1xUSB

GENERAL

Operating Conditions	-30°C ~ 60°C (-22°F ~ 140°F) – IR Off -30°C ~ 40°C (-22°F ~ 104°F) – IR On 0 ~ 95% RHG
Power Supply (not included)	12VDC ±20%, PoE (802.3af)
Power Consumption	3.2W (IR Off) (ICR Instant Switch 8.5W) 7.4W (IR On)
Circuit Protection	TVS 6000V, Lightning/Surge 2000V Protection
Impact Protection	IP67
IR Range	30-50m (98.4-164ft)
IR LEDs	54pcs, φ5 Array IR LEDs
Dimensions	337 x 107 x 107mm (13.2 x 4.2 x 4.2in) (Measurement taken when sunshield is not fully extended)
Weight	1.3kg/2.87lbs (IP Camera only), 1.6kg/3.5lbs (with Packing Box)

VIDEO CONTENT ANALYSIS (included as standard)

High Performance	Advanced tracking algorithm, low false alarm rate
Detection Zones	Minimum/maximum object size classification
Detection Behavior	Tripwire/Perimeter/Object Abandoned/Object Removed/ Loitering/Scene Change/Blur Image/Abnormal Audio
On-Screen Display	Real-time display of tracking data and events
Tamper Detection	Detect camera tampering
Alert Hold-Off Time (Entry Route)	Selectable from 1 to 300 seconds

Optional Junction Box (VI-JB)
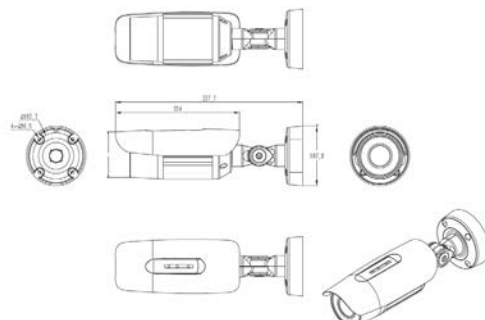
EL-DB-BR | EL-DB-NI | EL-DB-BK   INTERNATIONAL

Intelligent Video Doorbell

Security and Convenience at Your Front Door.

The ELAN Video Doorbell uses the award-winning ELAN user interface to answer the door from anywhere using phones, tablets or touch-panels. With a low profile, small footprint and popular colors, it fits elegantly with any front door décor.

Always know when someone is approaching the door with automatic notifications anytime movement is detected or monitor doors remotely via the high definition camera through the ELAN interface on phones or tablets.

And with IntelliVision™ advanced motion analytics, the ELAN video doorbell accurately distinguishes

between people and moving objects such as passing cars and swaying trees, all but eliminating false alerts. In addition to delivering automatic and authentic movement-based notifications of someone approaching the door, as an additional safety measure, the Intelligent Doorbell's camera tamper feature sends a notice if the camera is covered, such as by a hand.

The doorbell camera seamlessly integrates with ELAN Surveillance for video recording and

monitoring. It's camera acts as one of the ELAN systems' surveillance cameras, allowing full playback control through the ELAN user interfaces.

And now, it's easier than ever to install a video doorbell in an ELAN system. With ELAN discovery, PoE, and compatibility with legacy ELAN door station brackets (DBK1000), the ELAN door station is perfect for any job

EL-DB-BR | EL-DB-NI | EL-DB-BK   IP Video Doorbell

ORDER NOS. EL-DB-BR | EL-DB-NI | EL-DB-BK

- IntelliVision advanced motion analytics nearly eliminates false positive motion alerts.

- Integrates with ELAN Surveillance. Can be added to a channel on the ELAN NVR or used standalone.

- Light ring around doorbell button tunable to any color.

- PoE enabled.

- Metal faceplate stands up to weather, IP65 rated.

- Integrates with existng doorbells to ring standard doorbell chimes.

- Includes a relay to open electronic door strikes or gates. Detects status of relay to show whether a gate or door is locked or unlocked.

- Matching surface mount kit available.

- Auto-Discover/Auto-Configure with ELAN Configuration Software.

- Fits within legacy ELAN door station mounting bracket for upgrade.

- Adjustable proximity sensor detects movement for sending notifications via an ELAN controller.

GENERAL	
Colors	Satin Nickel, Oil Rubbed Bronze, Black
Faceplate	Anodized Aluminum
Mounting	In-wall / Surface
Doorbell Button	Anodized aluminum with light ring
Light Ring	Tunable color via software
Optional Surface Mount Enclosure	Anodized Aluminum

WEIGHT / DIMENSIONS	
Faceplate Size	3.5 X 5.67 X .375in / 89 X 144 X 9.5mm
Weight	0.55 lbs / .25 Kg
In-Wall Mounting Enclosure	2.75 X 4.56 X 1.97 in / 70.2 X116 X 50 mm
Surface Mounting Enclosure	3.5 X 5.67 X 1.3 in / 89 X 144 X 33 mm

CONNECTIONS	
Power	PoE - IEEE 803.2 at / 12VDC, 2A
Ethernet	100 Mbps
Door Chime Relay	24Vac, 2A
Door Strike Relay	24Vac, 2A
Door Sensor	Dry contact detection

ENVIRONMENTAL	
Temperature Range	-31F to 140 F / 35 C to 60 C
Humidity Tolerance	Up to 90%
Protection Rating	IP65
Compliance	RoHS, Reach, FCC Class B, CE (TBD)

CAMERA	
Resolution	720p
FPS	30
Field of View	140 degrees
Low Light / Night	RoHS, Reach, FCC Class B, CE (TBD)
Exposure	Automatic
Monitoring	Integrates with ELAN surveillance (NVR)

MICROPHONE / SPEAKER	
Audio	Full-Duplex
Processing	Echo / Noise cancellation
Volume, Equalization, Sensitivity	Adjustable in software

PROXIMITY SENSOR	
Type	Passive Infra-Red (PIR)
Detection	IntelliVision Analytics reduces false positives up to 99%
Range	Up to 5M, adjustable in software
Field of View	120 degrees

ELAN®
Your world, made simple.™

www.elanhomesystems.com

Rev-A   08/2018

WATER STREET
LAKEWOOD NEW YORK

MATTE BLACK FINISH

MN Edge Detail

N

MN Edge Detail - Square Profile

	Part Number	Width	Height
N	21504	1-1/2"	11"

Lever will not be textured

The narrow escutcheon plate is used on any door with a narrow stile. Applications include:

- Multipoint profile cylinder entry sets
- Multipoint American cylinder entry sets
- Multipoint, mortise & tubular privacy or passage sets
- Full or half dummy sets

All escutcheons made to order.
Custom sizes and profiles available.

21504   Escutcheon

23064 Lever

03/01/2019

Tekna Ilford Wall-C Wall Light with Dark Bronze Finish and Clear Glass

Estimated Production Time 7-8 weeks

Shipping: Rates vary by destination and complexity
Request a quote

Ships From: Lokeren, Belgium

Eclectic wall light in dark bronze with outside fitted clear or frosted glass, closed top and open bottom. Wall bracket in bronze lacquered aluminium with forcible transit. For outdoor use (IP43).

There are various standard and special finishes available upon request.

CREATOR	PLACE OF ORIGIN	CONDITION	REFERENCE NUMBER
Tekna (Manufacturer)	Belgium	New	LU3901311465243

PRODUCTION TYPE
Current Production

DATE OF MANUFACTURE
Contemporary

DIMENSIONS
H 20.04 in. x W 9.93 in. x D 13.31 in.
H 50.9 cm x W 25.2 cm x D 33.8 cm

IN THE STYLE OF
Modern

PERIOD
21st Century

SELLER LOCATION
New York, NY

MATERIALS AND TECHNIQUES
Frosted Bronze, Glass

SELLER REFERENCE NUMBER
800.49.519-C

RETURN POLICY
This item cannot be returned.
View details

ONLINE PAYMENT METHODS
1stdibs accepts the following payment methods

Tekna Ilford Wall Light on Bracket 700 with Dark Bronze Finish and Clear Glass

Estimated Production Time 5-6 weeks

Shipping: Rates vary by destination and complexity
Request a quote

Ships From: Lokeren, Belgium

Eclectic wall light in dark bronze with outside fitted clear glass, closed top and open bottom. Wall bracket in bronze lacquered inox with forcible arm. For outdoor use (IP43).

There are various standard and special finishes available upon request.

CREATOR
Tekna (Manufacturer)

PRODUCTION TYPE
Current Production

IN THE STYLE OF
Modern

PLACE OF ORIGIN
Belgium

DATE OF MANUFACTURE
Contemporary

PERIOD
21st Century

MATERIALS AND TECHNIQUES
Bronze, Glass

CONDITION
New

DIMENSIONS
H 34.61 in. x W 9.93 in. x D 17.84 in.
H 87.9 cm x W 25.2 cm x D 45.3 cm

SELLER LOCATION
New York, NY

SELLER REFERENCE NUMBER
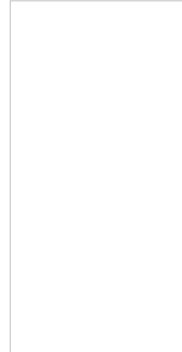800.07.719-C

REFERENCE NUMBER
LU3901311464233

RETURN POLICY
This item cannot be returned.
View details

ONLINE PAYMENT METHODS
1stdibs accepts the following payment methods

reals LED Surface Mount

7309.XX.FH.72-WL

DIMENSIONS

Height	2.5"
Diameter	5"
Canopy/Backplate/Base	5"
Fixture Weight	2 lbs.

ELECTRICAL SPECS

Bulb Type	Integral LED
Bulb Quantity	1
Bulb Included?	Yes
Wattage	10
Initial Lumens	1040
Input Voltage	120VAC
CCT	3000K
CRI	90
Power Supply Type	Driver
Power Supply Quantity	1
Power Supply Location	Outlet Box
Dimming Type	TRIAC/ELV

SHIPPING

Carton 1 L x W x H	9" x 9" x 6"
Carton 1 GW	3 lbs.

SHADE 1

Quantity	1
Color	Clear
Material	Clear Polycarbonate
Height	0.75"

AVAILABLE FINISHES

Textured Bronze (.72)
Textured Gray (.74)
Textured White (.98)

GENERAL LISTINGS

cETL
cUL
Wet Location

PROJECT

QUANTITY

NOTES
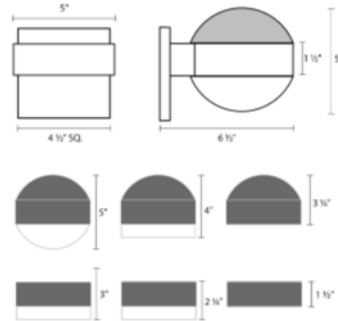
DIMENSIONS

Height	2.5"
Width	5"
Extension	6.5"
Minimum Extension	6.5"
Maximum Extension	6.5"
Fixture Weight	3 lbs.

ELECTRICAL SPECS

Bulb Type	Integral LED
Bulb Quantity	1
Bulb Included?	Yes
Wattage	10
Initial Lumens	1040
Input Voltage	120VAC
CCT	3000K
CRI	90
Power Supply Type	Driver
Power Supply Quantity	1
Power Supply Location	Outlet Box
Dimming Type	TRIAC/ELV

SHIPPING

Carton 1 L x W x H	9" x 10" x 9"
Carton 1 GW	4 lbs.

SHADE 1

Quantity	1
Color	Clear
Material	Clear Polycarbonate
Height	0.75"

AVAILABLE FINISHES

Textured Bronze (.72)

Textured Gray (.74)

Textured White (.98)

GENERAL LISTINGS

cETL

cUL

Wet Location

PROJECT

QUANTITY

NOTES

No project is complete without it!

True high end custom wood carriage
and traditional style overhead garage doors built per order.
Save time, money and get a more consistent look
in your project by getting all your products
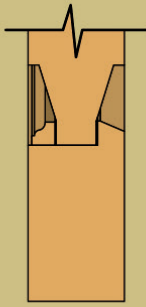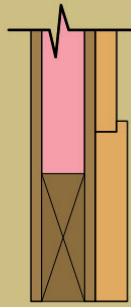from the same manufacturer.

BELISLE
ARCHITECTURAL WINDOWS AND DOORS

A **NATURAL** CHOICE

THE OVERHEAD GARAGE DOOR

SOLID WOOD
2 ¼" thick, Solid wood, in Western Red Cedar, White Oak, Douglas fir and Mahogany. Raised, flat or "V" groove panels available.

INSULATED CORE
2 ¼" thick, Veneer sub-frame with foam insulated core, Unlimited design laminated at exterior, in Western Red Cedar, White Oak, Douglas fir and Mahogany. Flat or "V" groove panels available.

GLASS & MUNTINS
Custom glass inserts available, Lowe + argon double insulated glass, ⅞" SDL or 1 ¼" TDL muntins, there is no limitations in the design, shape, and type of glass to use.

DOOR OPENER
European-engineered and built to surpass the highest garage door system standards in the industry. The soft start/soft stop system from Garaga guarantees years of silent, smooth and trouble-free operation.

15 years LIMITED WARRANTY

COMPONENTS

DECORATIVE HARDWARE
The decorative hardware from Garaga reproduces the effect of forged iron hinges and handles found on traditional carriage house doors. It adds a touch of refinement that has maintained its charm over the years.

DOORS KNOCKERS

STANDARD

LIS

COTTAGE

LEGEND

1. Shaft and spring
2. Rail
3. Door opener
4. Ball bearing hinge
5. Meeting rail
6. Flexible bottom seal
7. Weather-stripping
8. Glass insert

OPTIONS
Take your Belisle overhead garage door to another level. Add Wood jambs, weather-stripping cover to match the door, and decorative mouldings around the panels. We can even pre-finish your door prior to assembly in our state of the art paint shop.
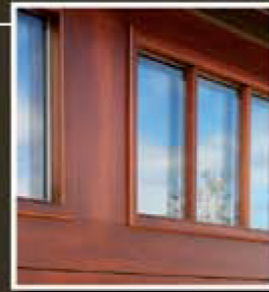
BELISLE
ARCHITECTURAL WINDOWS AND DOORS

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HARDWARE AND ACCESSORIES BY

GARAGA®

September 2018

BEAUTY, LONGEVITY AND EXCEPTIONAL VALUE

BISON WOOD TILES

Bison Wood Tiles offer the design flexibility to create versatile, unique outdoor spaces. Commercial grade, responsibly harvested, hardwood tiles weather well, and are available in standard and FSC® Certified species.

- Commercial Grade
- Species Include: Bamboo, Cumaru, Garapa, Ipê, Mahogany, and Massaranduba
- Exclusive Bison FS-1 Fastening Kit & Continuous Kerf Cut Design* allows easy tile attachment, removal, and replacement
- Modular sizes 2' x 2', 4' x 2', 6' x 2', 8' x 2', and 30" x 30"
    - Pedestals to be spaced on a 2' grid for all Bison Wood Tile sizes*
- Custom sizes available
- FSC Certified (SCS-COC-002585) species available
- Full System Warranty with Bison Pedestals
- Bison Ipê Wood Tile Systems Meet:
    - ASTM E108-07a Class A Fire Rating
    - ASTM C1028-07 Slip Resistance
    - ASTM TAS108-95 Wind Uplift
    - Seismic Design Categories (SDC) A-F

FSC
www.fsc.org
FSC® C013454

The mark of
responsible forestry

*Bison 30" x 30" Wood Tiles installed on a 30" grid.

Bison Fastening Kit†
Model: FS-1

Installation

Bison recommends the use of Bison Pedestals and the FS-1 Fastening Kit† when installing Bison Wood Tiles. The Bison Pedestal/Wood Tile System installs quickly, securely, and allows single tile removal after installation, if needed. The FS-1, available exclusively from Bison, fastens wood tiles to the pedestals without penetrating or damaging the wood. Place the FS-1 washer between the bottom rail of the tile and the upper slat. Screw the long FS-1 screw through the FS-1 washer, into the center hole of the tab set and into the pedestal. Make sure that the washer secures all corners of the wood tiles and then tighten. To remove a wood tile, use a screwdriver to loosen the long screw and rotate the washer to release the wood tile.

Testing

Bison Ipê Wood Tiles meet or exceed these standards.

Note: Customer to verify acceptable uses for each project according to the presiding building code authority. All products to be installed per the most recent Bison Innovative Products specifications at the time of installation.

Environmental	FSC Certification	Call for Available Species
Slip Resistance	ASTM C1028	SCOF Dry .90 and Wet .72
Solar Reflective Indices	ASTM E 1980-11	45 (Average) New 36 (Average) Weathered One Year
Solar Reflectance	ASTM C1549-09	0.321 New 0.403 Weathered One Year
Hemispherical Emittance	ASTM C1371-04a	0.894 New 0.925 Weathered One Year
Wind Uplift on Pedestals	FBC TAS-108	Aerodynamic Multiplier
Seismic	ICC ES AC-156	For use in Seismic Zones A-F with Bison Seismic System & Installation Guidelines
Fire – Flame Spread	ASTM E108-07a	Class A
Fire – Smoke Spread	ASTM E-84-08A	Class B
Fire – SF WUI Under-Flame Test	SFA 12-7-A-4 Part A	Pass
Concentrated Load on Pedestals	ICC ES AC300-2010	1250 lbs/psf FoS:3
Uniform Load on Pedestals	ICC ES AC300-2010	1250 lbs/psf FoS:3
Installation Temperature	NRCA Standard	40° F and above
Max. Bison Pedestal Height	Bison	36" with Bison Bracing System

Sourcing

Bison ensures that the tropical hardwoods used in all our wood tile products are harvested from sustainable sources. Bison Wood Tiles are constructed from premium grade remnants from the flooring and furniture industries that comply with strict regulations regarding extraction, milling, and transport. All Bison Wood Tiles meet the IBAMA (Brazilian Institute of Environment and Renewable Resources) requirements that show Proof of Origin and Legal Harvesting. Bison Wood Tiles also comply with US Lacey Act requirements.

Ipê Wood Tiles

Model: WT-IPE-24-SMOOTH
       WT-IPE-24-RIBBED
       WT-IPE-3030-10-SMOOTH
Fire Rating: Class A*
Species: Ipê
Color: Brown**
Janka Hardness Rating: 3,680 lbs.
Dimensions: 23.875" x 23.875" x 1.69"
            29.875" X 29.875" X 1.69"
Weight: 24 lbs. / 34 lbs.
Weight PSF: 6 PSF / 5.4 PSF
Bison Continuous Kerf©
cut design***

Model: WT-IPE-48
Fire Rating: Class A*
Species: Ipê
Surface: Smooth or Ribbed
Color: Brown**
Janka Hardness Rating: 3,680 lbs.
Dimensions: 47.9375" x 23.875" x 1.69"
Weight: 48 lbs.
Weight PSF: 6 PSF
Bison Continuous Kerf©
cut design***

*Meets and Exceeds ASTM E108-07a Class A Spread of Flame Test.
**Wood tile colors may differ than pictured and change without notice.
***Patent Pending.

BLANCO

FEATURED MODEL

518168 Bar Bowl, 8" bowl depth

FEATURES

• Required outside cabinet: 21"
• 18 gauge, 304 series stainless steel
• Premium 18/10 chrome/nickel content
• Satin Finish
• Rear drain placement
• Sound deadening pads

OPTIONAL ACCESSORIES

Stainless Steel Sink Grid: 223200

CODE/STANDARDS COMPLIANCE

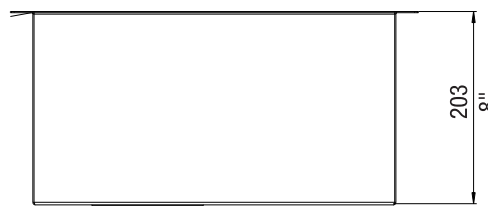ASME 112.19.3-00
IAPMO/UPC listed

NOMINAL DIMENSIONS   Model 518168 shown

OVERALL	CUT OUT SIZE	BOWL DEPTH	DRAIN
17" x 17"	Template provided with approximate 1/8" reveal	8"	3-1/2"

DXF cutout templates available on our website.
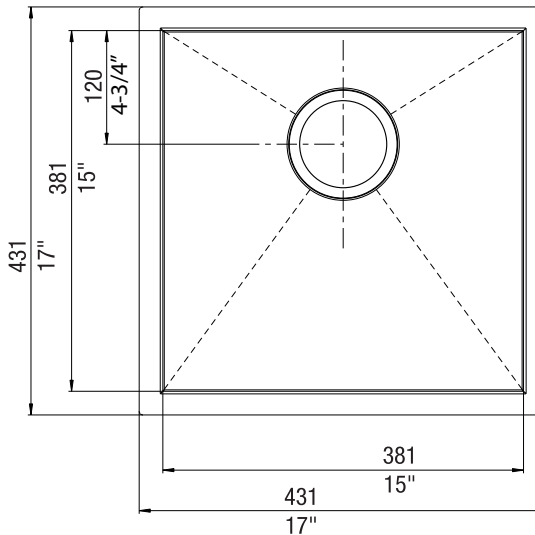
JOB INFORMATION

Job Name:

Contact:

Date Specified:

Specifier:

Contractor:

BLANCO AMERICA
800.451.5782
www.blancoamerica.com

© 2013 BLANCO AMERICA

7/13   SPEC-003

MOM FRIENDLY. DAD READY.™

User Manual / Installation Instructions

Outdoor Gooseneck Pull Down Faucet (LPFK)

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: Ensure all water lines to the faucet are shut down before beginning any work. Make sure you READ and UNDERSTAND these instructions BEFORE installation. If you have any questions or concerns prior to, or during service, please call Customer Care/ Tech. Support at 888-289-5969, Mon.– Fri. 6AM to 4:30PM, and Saturdays from 8AM to 1PM Pacific Time.

This product is designed for indoor or outdoor installation. Improper installation, adjustment, alteration, service or maintenance can cause personal or property damage and may void the warranty. Read this manual thoroughly before installation, use or service.

Philips head screwdriver, a small rag and gloves are recommended.

IF SHIPMENT ARRIVED DAMAGED:

1. VISIBLE LOSS OR DAMAGE: Be certain this is noted on freight bill or express receipt and signed by person making the delivery.
2. FILE CLAIM FOR DAMAGES IMMEDIATELY, regardless of extent of damage.
3. CONCEALED LOSS OR DAMAGE: If damage is unnoticed until merchandise is unpacked, notify transportation company or carrier immediately and file a "concealed damage" claim with them. This should be done within (15) days of date delivery is made to you. Be sure to retain container for inspection. We cannot assume responsibility for damage or loss incurred in transit.

2 LYNX

Replacement Parts
LPFK
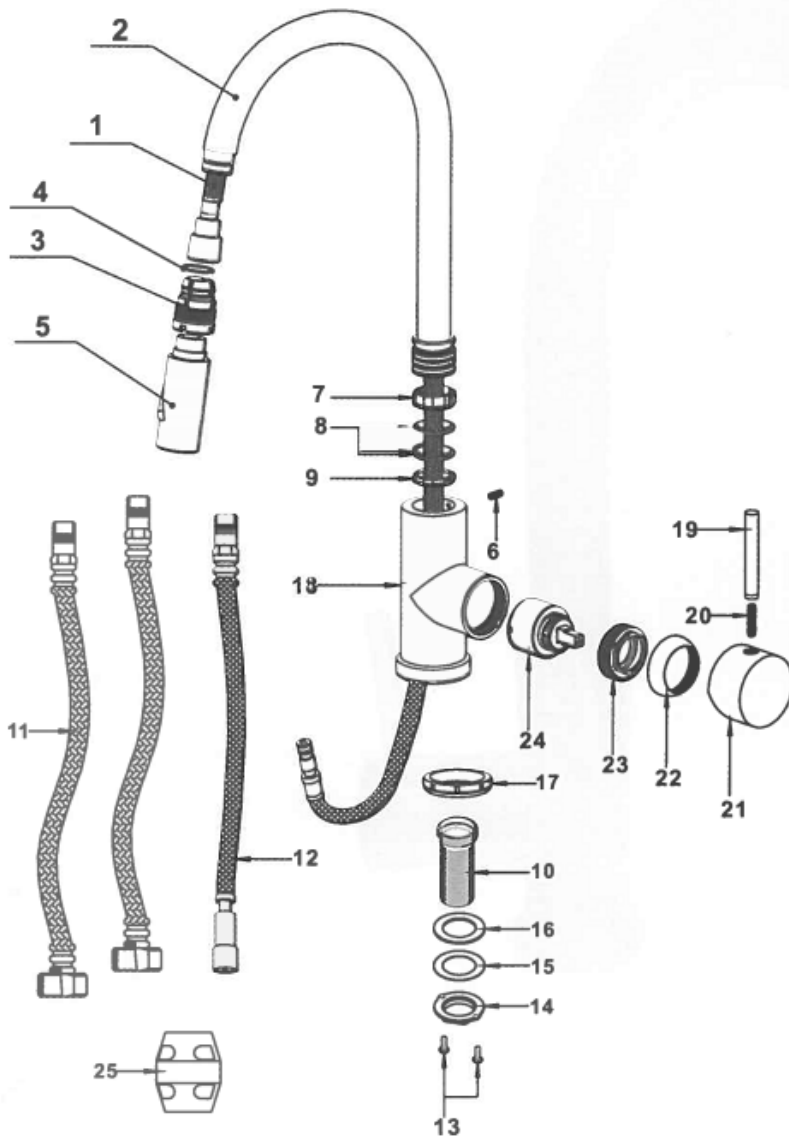
1	Hose
2	Spout
3	Plastic cover
4	O-ring
5	Sprayer
6	Set screw
7	Sleeve
8	O-rings
9	Sleeve
10	Extension pipe
11	Hot & cold water lines
12	Quick-connection hose
13	Screws
14	Locking nut
15	Metal washer
16	Rubber washer
17	Rubber washer
18	Faucet body
19	Handle lever
20	Set screw
21	Handle body
22	Cartridge cover
23	Locking nut
24	Cartridge
25	Weight

3 LYNX

UC-24RO

FEATURES

Controls temperature within one degree of setpoint

Locks in cold air to ensure freshness with magnetic door seals

Control brightness of interior

Clean shelves easily with adjustable spill-proof glass shelving

Locate items quickly with utility bins

ACCESSORIES

Dual Installation Kit

Accessories are available through an authorized dealer.
For local dealer information, visit subzero-wolf.com/locator.

PRODUCT DETAILS

REFRIGERATOR

• 3 glass shelves (2 adjustable; 1 stationary)

• 3 door bins

• 1 storage bin

SUB·ZERO

## PRODUCT SPECIFICATIONS

Model	UC-24RO
Dimensions	23 7/8"W x 34"H x 24"D
Door Clearance	25 3/8"
Weight	130 lbs
Refrigerator Capacity	5.7 cu. ft.
Electrical Supply	115 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Receptacle	3-prong grounding-type, GFCI

ELECTRICAL

LEFT SIDE OF OPENING

2" (51)   15 1/2" (394)   3" (76)

FLOOR
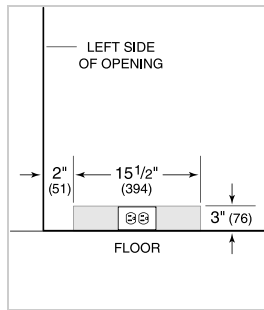
NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

INTERIOR VIEW
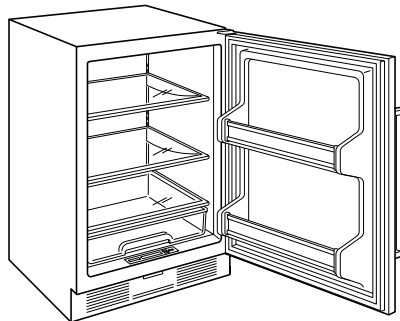
This illustration is intended for interior reference only and may not represent the exterior of the model being specified.

DIMENSIONS

23 7/8" (606)   24" (610)

34" (864)

4" (102)

25 3/8" (645)

2 3/8" (60)

STANDARD INSTALLATION

24" (610) OPENING DEPTH

TOP VIEW

34 1/2" (876) OPENING HEIGHT

24" (610) OPENING WIDTH

SIDE VIEW

FRONT VIEW
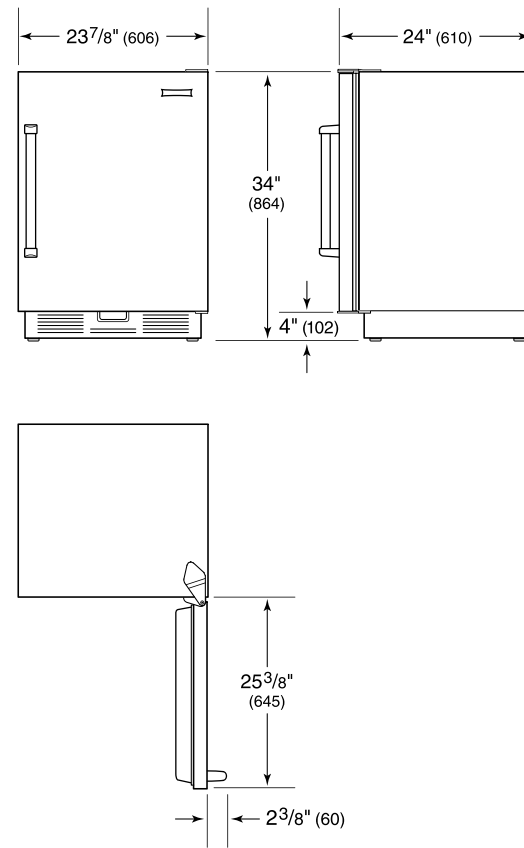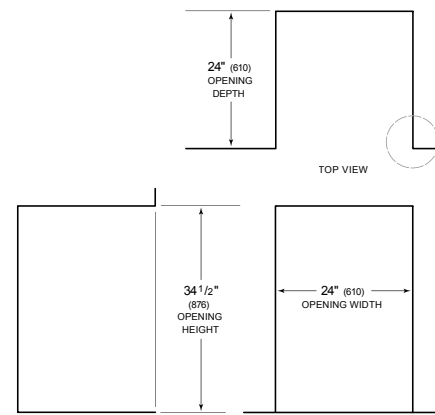
NOTE: 3 1/2" (89) finished returns will be visible and should be finished to match cabin

3/4" (19) TYPICAL

3 1/2" (89) FINISHED RETURN

24" (610)

FRAMELESS CABINETRY

3/4" (19) TYPICAL

3 1/2" (89) FINISHED RETURN

FILLER

24" (610)

FRAMED CABINETRY

Multi-Purpose Ceramic Infrared Rotisserie

Under-Hood Lighting

Laser Cut Stainless Steel Grate – 5/16" thick

Split Shelf (42" model only)

www.hestanhome.com

phone 888.905.7463

3375 E. La Palma Ave., Anaheim, CA 92806
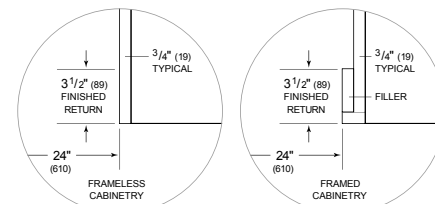
- Available in 30", 36", and 42" widths
- Horizon HoodTM with spring-assisted hinges to hold at desired heights*
- Motion activated Stadium LightsTM with halogen under-hood lighting*
- Multi-purpose built-in ceramic infrared rotisserie / searing / finishing burner* from 12,000 to 18,000 Btu/hour (depending on model) with simple touch on function
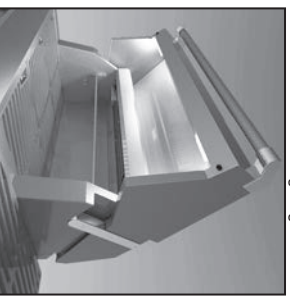- Patented high performance 321SS tubular Trellis BurnerTM at 25,000 Btu/hour each
- Patented 5/16" thick stainless steel DiamondCut CratesTM lasered in-house
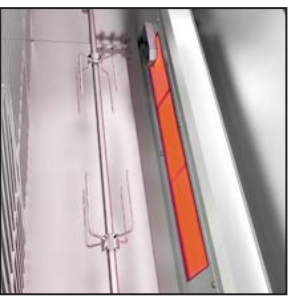- High performance variable ceramic infrared sear burner at 25,000 Btu/hour each

- Symmetrical flip to clean radiant tray with monogrammed ceramic briquettes*
- 519 square inch total grilling surface for 30" model. 647 square inch total grilling surface for 36" model. 774 square inch total grilling surface for 42" model.
- Warming rack - 189 square inches for the 30", 236 square inches for the 36" and 282 square inches for the 42" unit.
- Concealed chain driven whisper quiet rotisserie motor system with a single speed, 6 rpm, 50 in-lbs motor
- MarquiseTM accented control panel and hood handle with commercial grade end caps
- 1/4" thick stainless steel DiamondCut CratesTM warming rack, lasered in-house with 3 vertical positions. Concealed storage when not in use.
- Split shelf warming rack (42" model only) features an upper shelf position for browning and melting under the infrared rotisserie burner, and a lower shelf position to keep food warm.
- Hot surface ignition system with lighting assist function
- Lifetime warranty on welded body, DiamondCut CratesTM and warming racks, Trellis BurnersTM, variable sear burners, and rotisserie burner

- Infinite position monogrammed removable smoker and handle for wood chips or smoker pellets
- Heavy gauge welded body construction
- LED front control panel lighting with simple touch on function
- Monogrammed temperature gauge with cooking zone markings
- Stainless steel removable drip tray for ease of cleaning
- Patented Zamak die-cast knobs, burner indicators and bezels
- Porcelain broiling pan with stainless steel rotisserie spit and forks
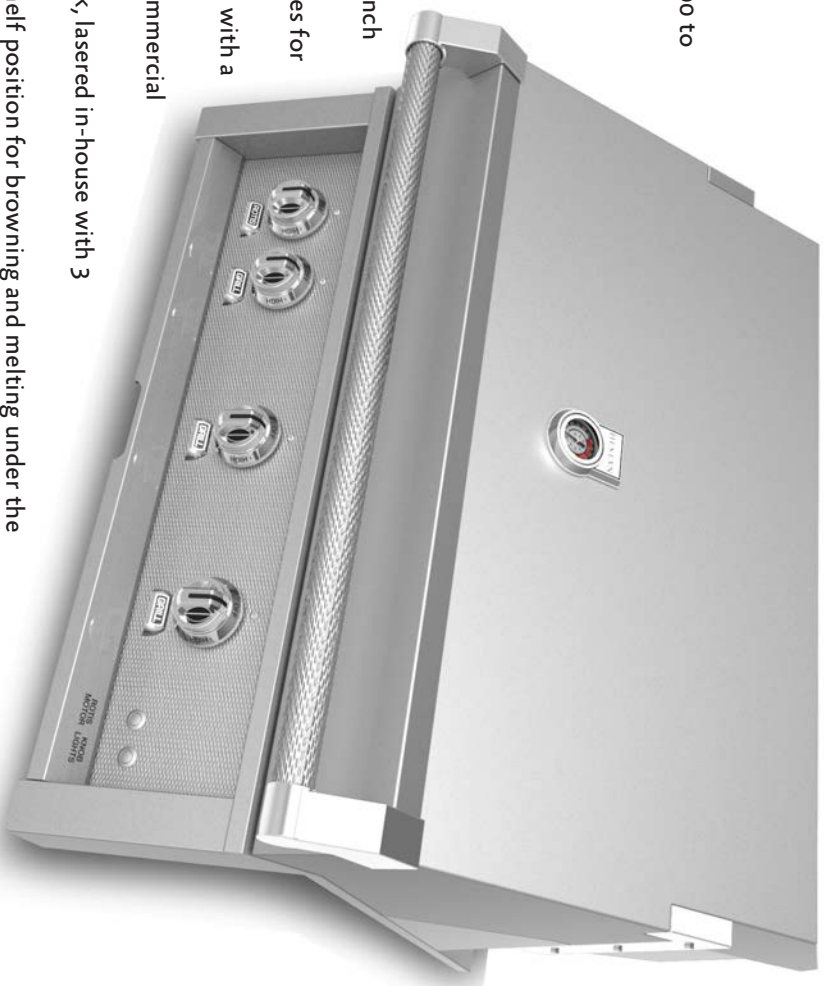
HESTAN

36" Model Shown

OPTIONS & ACCESSORIES

- Natural Gas (NG) or Liquid Propane (LP)
- Twelve (12) Hestan signature color finishes
- Carbon Fiber Vinyl Cover
- Gas conversion kits (NG/LP)
- Variable Sear Burner conversion kit
- Trellis BurnerTM conversion kit
- High altitude kit

*= patent pending

BUILT-IN GRILLS

HESTAN

BUILT-IN GRILLS

INSULATED JACKETS

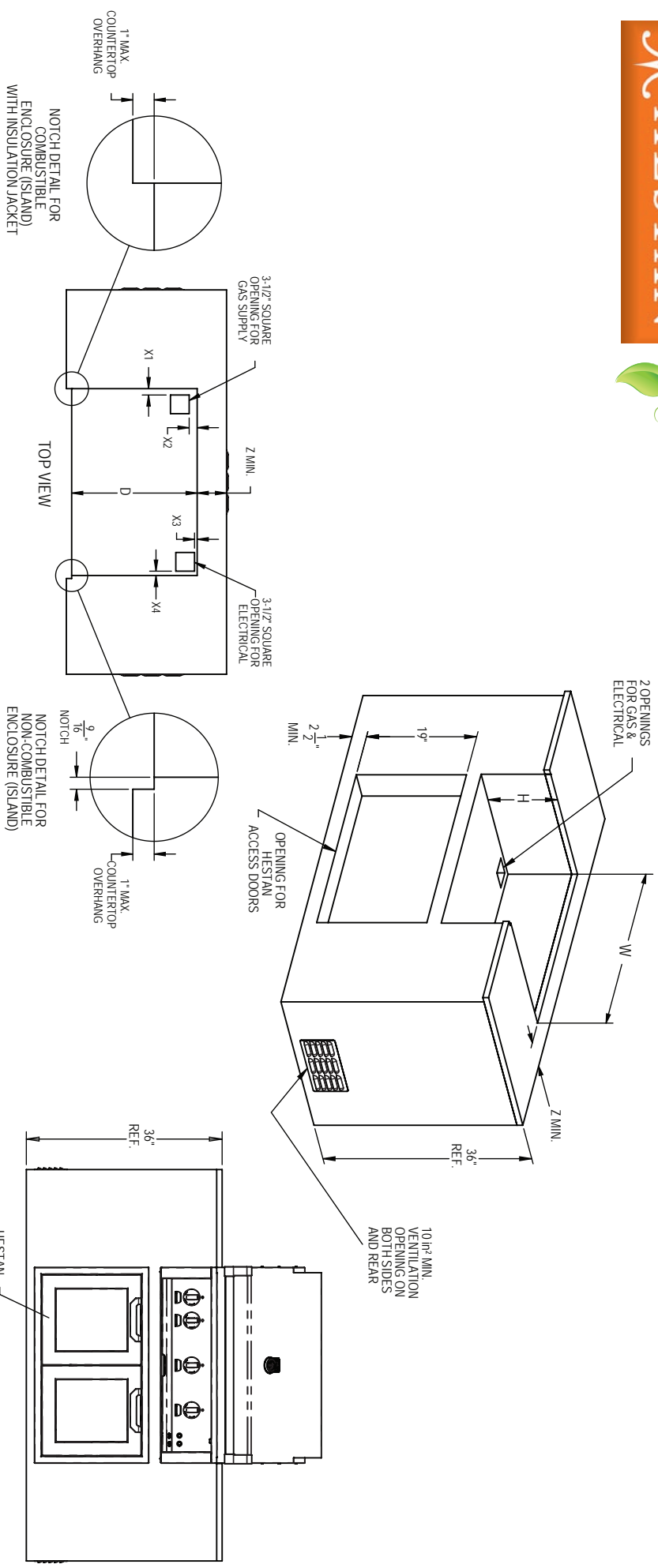| Model Number	Description	W (in.)	D (in.)	H (in.)	X1 (in.)	X2 (in.)	X3 (in.)	X4 (in.)	Z (in.)
ACIJ30	Insulated Jacket, 30"	35	25-3/8	12-13/16	4-3/16	3-1/8	1-1/2	3-13/16	3-7/8
ACIJ36	Insulated Jacket, 36"	41	25-3/8	12-13/16	4-3/16	3-1/8	1-1/2	3-13/16	3-7/8
ACIJ42	Insulated Jacket, 42"	47	25-3/8	12-13/16	4-3/16	3-1/8	1-1/2	3-13/16	3-7/8

Built - In Models

Models	Description	W (in.)	D (in.)	H (in.)	X1 (in.)	X2 (in.)	X3 (in.)	X4 (in.)	Z (in.)	Total Btu's
G_BR30-NG / -LP	30" Grill Built-in	29	23-1/2	11-1/2	1-3/16	1-1/2	1/4	13/16	5-1/2	62000
G_BR36-NG / -LP	36" Grill Built-in	35	23-1/2	11-1/2	1-3/16	1-1/2	1/4	13/16	5-1/2	89000
G_BR42-NG / -LP	42" Grill Built-in	41	23-1/2	11-1/2	1-3/16	1-1/2	1/4	13/16	5-1/2	118000

_ = specify burner configuration

A= all Trellis Burners

M= Sear and Trellis Burners

S= all Sear Burners

Cutout Dimensions

1" MAX COUNTERTOP OVERHANG

NOTCH DETAIL FOR COMBUSTIBLE ENCLOSURE (ISLAND) WITH INSULATION JACKET

3 1/2" SQUARE OPENING FOR GAS SUPPLY

TOP VIEW

3 1/2" SQUARE OPENING FOR ELECTRICAL

NOTCH DETAIL FOR NON-COMBUSTIBLE ENCLOSURE (ISLAND)

9/16" NOTCH

1" MAX COUNTERTOP OVERHANG

2 OPENINGS FOR GAS & ELECTRICAL

OPENING FOR HESTAN ACCESS DOORS

2-1/2" MIN

19"

Z MIN.

10 in² MIN VENTILATION OPENING ON BOTH SIDES AND REAR

HESTAN ACCESS DOORS (SOLD SEPARATELY)

36" REF.

36" REF.

GAS REQUIREMENTS : ½" NPT gas connection. Minimum gas supply is 7" water column for natural gas and 11" for propane. Operating pressure at the manifold is 4" water column for natural gas and 10" for propane. All units require a regulated gas supply. (included)

ELECTRICAL REQUIREMENTS : 120V, 60Hz, 6 amps

c ETL us CLASSIFIED Intertek

Hestan Outdoor products are approved for outdoor use only. Hestan Commercial Corporation reserves the right to change materials and specifications without notice. Specify type of gas when ordering.

011020 REV D

BK Lighting
Yacht Star Outdoor LED Path/Step Light
Fixture: YS-LED-e68-BSW
Power Supply: TR150-120

TYPE

F11

YACHT STAR™ | YS

Power of 'e'
(BKSSL®)

MR11 Halogen

MATERIAL

ALU

BR

SS

FOR USE WITH

Power Supplies

Options

"Simple yet elegant, the Yacht Star™ has exceeded expectations when lighting stairways and seating walls. Our clients have been thrilled and so have we. When I think of landscape lighting B-K is on the top of my list."

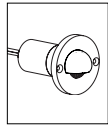*Eric Dorsch, Wesley Stout Associates, LLC, BKU Fall 2013*

B-K LIGHTING | ARCHITECTURAL RECESSED

Shown in
Bronze Satin (BZP) finish

3 3/8"
(86mm)

1 1/4"
(32mm)

1 5/8" Dia.
(41mm)

3" Dia.
(76mm)

Lighting Specifications

BK Lighting
Yacht Star Outdoor LED Path/Step Light
Fixture: YS-LED-e68-BSW
Power Supply: TR150-120

TRIPhase®
TECHNOLOGIES

TYPE

F11

the power of **e**
BKSSL

Core Drill Installation Instructions

YS™ / YSL™ / CH™ / CHL™
Solid State LED - Core Drill

⚠ **Warning**   ⚡ **Low Voltage**

TOOLS & MATERIALS NEEDED:	
	5/64" Allen Wrench
	Drill with 2" Core Drill Bit
	Waterproof Wire Connectors
By Others	Mounting Hardware

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted fixture is HOT!
WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
Turn off/unplug and allow to cool before replacing LED. Fixture gets HOT quickly! Contact only switch/plug when turning on. Do not touch hot lens, guard, or enclosure. Keep fixture away from materials that may burn. Do not operate the luminaire fitting with a missing or damaged shield. Do not touch the source at any time. Use a soft cloth or gloves. Oil from skin may cause damage.
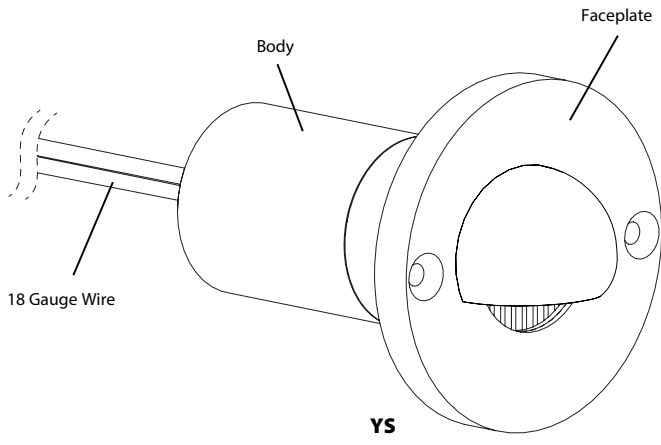**SAVE THESE INSTRUCTIONS**

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

• Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.

• Follow product label information and instructions.

• Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.

• Before wiring to power supply and during servicing, turn off and lock out power at fuse or circuit breaker before service.

• The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.

• Do not block light emanating from product in whole or part, as this may cause an unsafe condition.

• Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

• Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

• Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

• All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS
· **Suitable for wet location**   · **Additionally suitable for mounting within 4 ft. of the ground**   · **Type Non-IC**

Please refer to the low voltage design guide at www.bklighting.com/lvguide before installation for proper wire selection.

Body

Faceplate

18 Gauge Wire

YS

This set of instructions works for:

YS - Yacht Star™
YSL - Louvered Yacht Star™
CH - Chart Star™
CHL - Louvered Chart Star™

YS   YSL
CH   CHL
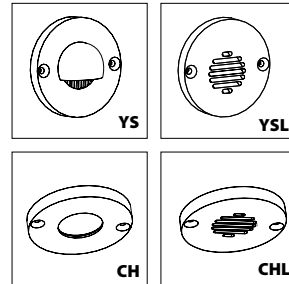
IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED	REFERENCE NUMBER
3-9-17	INS000926

STANDARD PLANTER

DIMENSIONS VARY | PRODUCT IS MADE TO ORDER

MANUFACTURED FROM:
.125" ASTM A240 STAINLESS STEEL
T-304 (T-316L BY REQUEST),
.125" CORTEN STEEL ASTM A588
OR .125" ALUMINUM ASTM B-209, 5052 ALLOY
WITH A POLYESTER BASED ARCHITECTURAL/MARINE
GRADE POWDER COAT FINISH
AVAILABLE IN STANDARD FINISHES OR IN ANY RAL COLOR

PLANTERWORX 987 ESSEX ST BROOKLYN NY 11208
T 718.963.0564 F 718.963.0565
PLANTERWORX.COM

VARIES

VARIES

VARIES

VARIES

VARIES

VARIES

STANDARD PLANTER
DIMENSIONS VARY | PRODUCT IS MADE TO ORDER

MANUFACTURED FROM:
.125" ASTM A240 STAINLESS STEEL
T-304 (T-316L BY REQUEST),
.125" CORTEN STEEL ASTM A588
OR .125" ALUMINUM ASTM B-209, 5052 ALLOY
WITH A POLYESTER BASED ARCHITECTURAL/MARINE
GRADE POWDER COAT FINISH
AVAILABLE IN STANDARD FINISHES OR IN ANY RAL COLOR

The GreenGrid® G4 Green Roof System incorporates all of the various components of a multi-layer green roof system into a simple, self-contained module. The key components are detailed below.
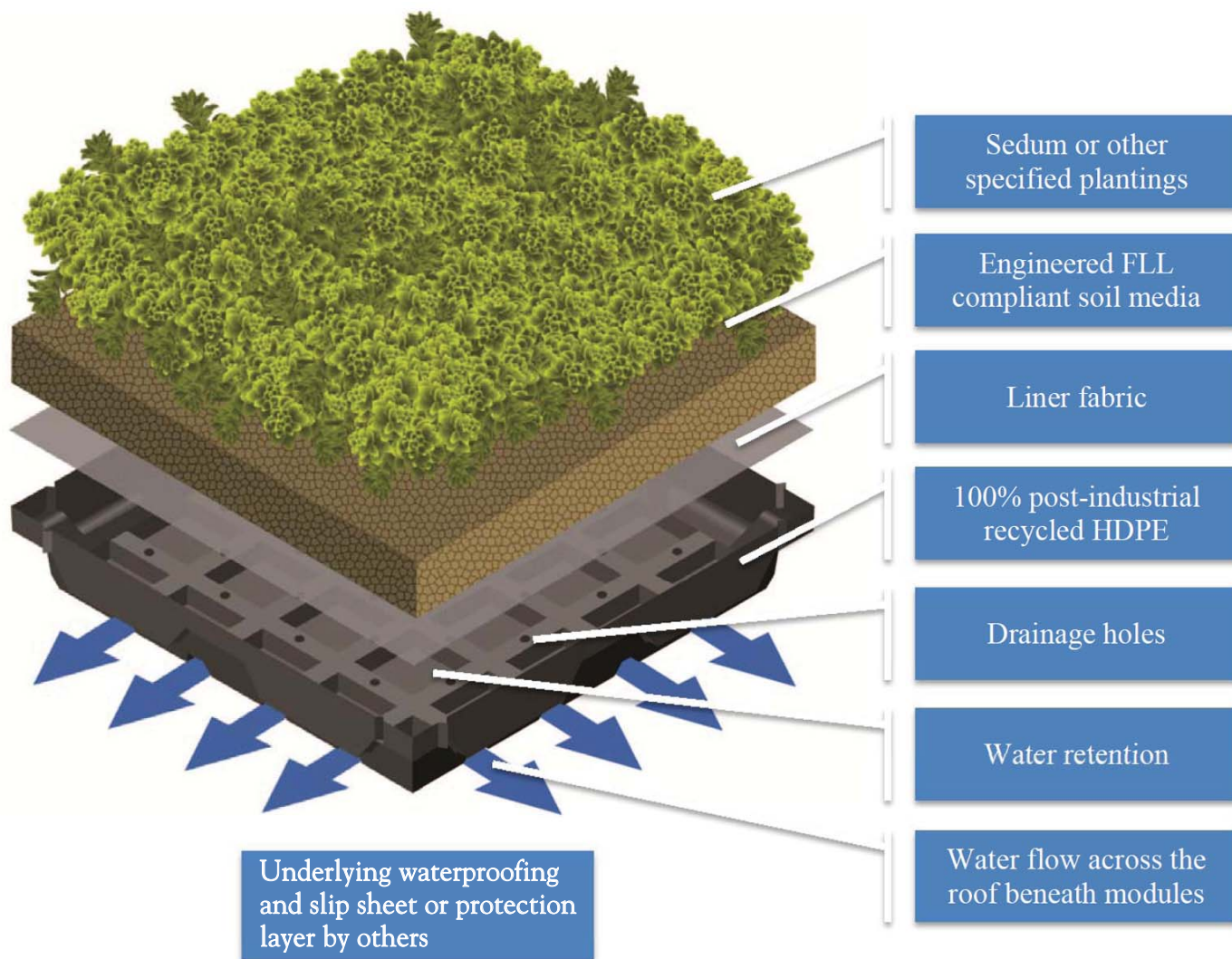
Sedum or other specified plantings

Engineered FLL compliant soil media

Liner fabric

100% post-industrial recycled HDPE

Drainage holes

Water retention

Water flow across the roof beneath modules

Underlying waterproofing and slip sheet or protection layer by others

© Copyright 2015
B-GG-9 3/15

888-404-4743
www.GreenGridRoofs.com

WESTON
SOLUTIONS

The New Seamless GreenGrid Modular Vegetative Green Roof System

GreenGrid®ROOFS
Engineered to Perform
Designed to Inspire

The 4th Generation GreenGrid® Module Has Arrived

These new zero-edged modules are the 4th generation of GreenGrid®, keeping the functionality of the original modular green roof system, but adding a more aesthetic zero-edge design, enhanced design versatility, and maximized stormwater retention.

Unlike hybrid /subterranean modular systems and traditional layered systems, G4 modules can be easily accessed and removed to perform maintenance or repairs to the underlying roof without damaging the vegetation. Additionally, G4 modules are specifically designed to maximize stormwater control, featuring deeper built-in reservoirs for additional stormwater retention.

GreenGrid offers versatility and design flexibility, with modules available in three different depths for a variety of planting options. Modules can be pre-grown at our nurseries to meet plant coverage specifications up to 95% and delivered to the job site to create an instant mature green roof. This translates to a successful green roof with less up-front maintenance, plus a beautiful look from day one. In addition, GreenGrid modules can be custom cut with curves or angles.

www.GreenGridRoofs.com

GreenGrid Extensive (4.25-inch)


```
2"
4 1/4"
1"      3"    3 1/2"
MOLDED CHANNEL
FOR LATERAL
IRRIGATION SUPPLY LINES
```
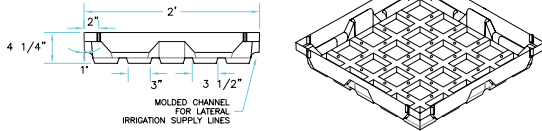
GreenGrid Semi-Intensive (6-inch)


```
2"
6"
1"      3"    3 1/2"
```
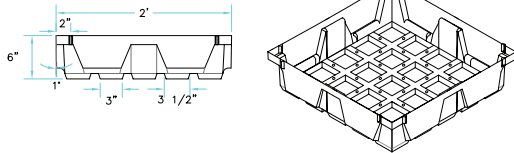
GreenGrid Intensive (8-inch)


```
2"
8"
1"      3"    3 1/2"
```
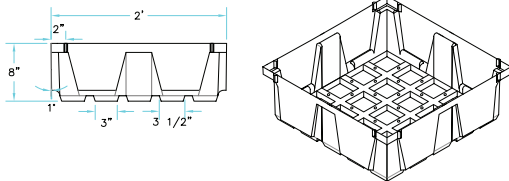
Pre-Vegetated 4.25-inch Module

TOP VIEW

3 ½"x3 ½" WATER RETENTION RESERVOIRS

BOTTOM DRAINAGE HOLES 1/4" DIAMETER

ALIGNMENT NOTCHES
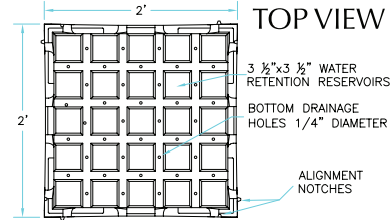
GreenGrid Component	Specification Description and Notes			
G4 System Modules	Dimensions (W x L)		Depth (D)	
	Standard Units	SI Units	Standard Units	SI Units
Extensive	24 in. x 24 in. [OD ± 1/8 in.]	60.96 cm x 60.96 cm [OD ± 0.318 cm]	4.25 in.	10.80 cm
Semi-Intensive			6.0 in.	15.24 cm
Intensive			8.0 in.	29.32 cm
Weight Range	Approximate Minimum [Note 1]		Approximate Maximum [Note 1]	
Extensive	26 lbs/sf	126.9 kg/m^2	30 lbs/sf	146.5 kg/m^2
Semi-Intensive	39 lbs/sf	190.4 kg/m^2	44 lbs/sf	214.8 kg/m^2
Intensive	52 lbs/sf	253.9 kg/m^2	58 lbs/sf	283.2 kg/m^2
Drainage Clearance	3/4 in.	1.91 cm	All size modules	
Module Material	Wall Thickness		100% pre-consumer high molecular weight polyethylene. Protected with UV inhibitors and stabilizers (20 year warranty standard)	
Extensive	0.187 in. [187 mil]	4.75 mm		
Semi-Intensive	0.200 in. [200 mil]	5.08 mm		
Intensive	0.225 in. [225 mil]	5.72 mm		
Module Color	Black [custom colors available upon request]			
Filter Layer	Spunbonded polypropylene geotextile			
Growing Medium	Proprietary engineered blend of organic and inorganic components. Blended to satisfy FLL guidelines. Custom blends available to meet project-specific needs [e.g., weight, water holding capacity, etc.].			
Vegetation	Succulent groundcovers, conventional perennials and grasses, and/or native forbs and grasses. Consult Weston GreenGrid horticulturists for specific recommendations.			
Typical Underlayment	New or existing single-ply EPDM, TPO, PVC, BUR, or hot/cold fluid applied membranes. Contact selected waterproofing system manufacturer for specific requirements and/or materials compatibility.			
Module Connectors	Nylon/Plastic panel fasteners or zip ties. 1/4 in. (0.64 cm) drill hole diameter required.			
Irrigation Systems	Proprietary system designed based on project-specific requirements.			

Note 1: All weights are presented with growing media at maximum water-holding capacity. Conservative estimates for vegetation and module weight per SF have been included in above weight ranges. Weights may vary based on requirements for project-specific vegetation selections and variations in regional materials incorporated into engineered growing media. Consult GreenGrid representative for further information.

Local contacts are available on our Web site www.GreenGridRoofs.com or contact our headquarters office at 888-404-4743

SIDE VIEW

4 1/4"

1°

2"

3"

3 1/2"

2'

TOP VIEW

B

A

B

A
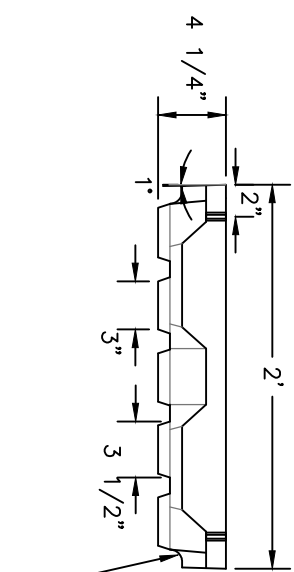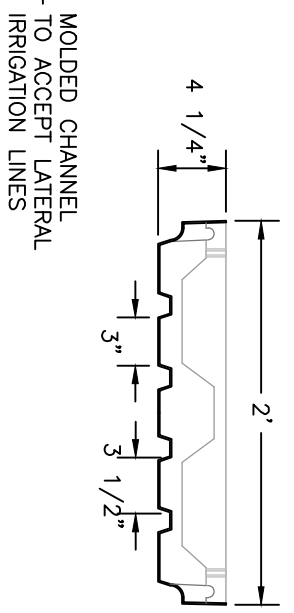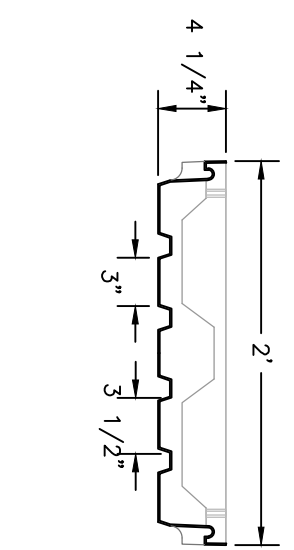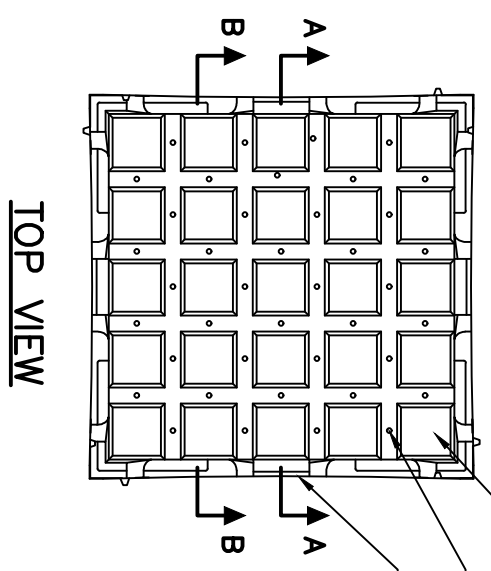
3"x3 ½" WATER RETENTION RESERVOIRS (3/4" DEPTH)

BOTTOM DRAINAGE HOLES 1/4" DIAMETER

INTEGRATED HANDLES
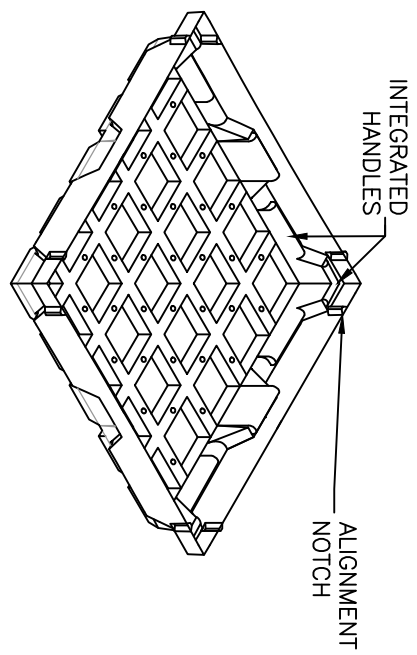
CROSS SECTION A-A

4 1/4"

3"

3 1/2"

2'

MOLDED CHANNEL TO ACCEPT LATERAL IRRIGATION LINES

ISOMETRIC VIEW

INTEGRATED HANDLES

ALIGNMENT NOTCH

CROSS SECTION B-B

4 1/4"

3"

3 1/2"

2'

WESTON
SOLUTIONS℠

Weston Solutions, Inc.
& GreenGrid
124 Hebron Ave., Suite 3B
Glastonbury, CT 06033
888-404-4743

GREENGRID G4 MODULE DESIGN
2'x2'x4.25" MODULE

Submittal

Split System Cooling

4TTR6061C1000A
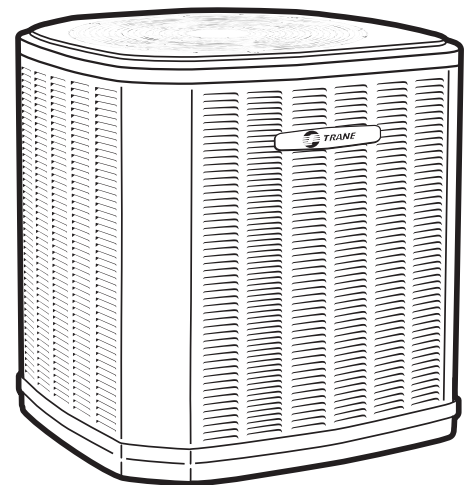
Note: *"Graphics in this document are for representation only. Actual model may differ in appearance."*

TAG:_____

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

October 2015   **4TTR6061C-SUB-1A-EN**   Ingersoll Rand

SERVICE PANEL

ELECTRICAL AND REFRIGERANT
COMPONENT CLEARANCES
PER PREVAILING CODES.
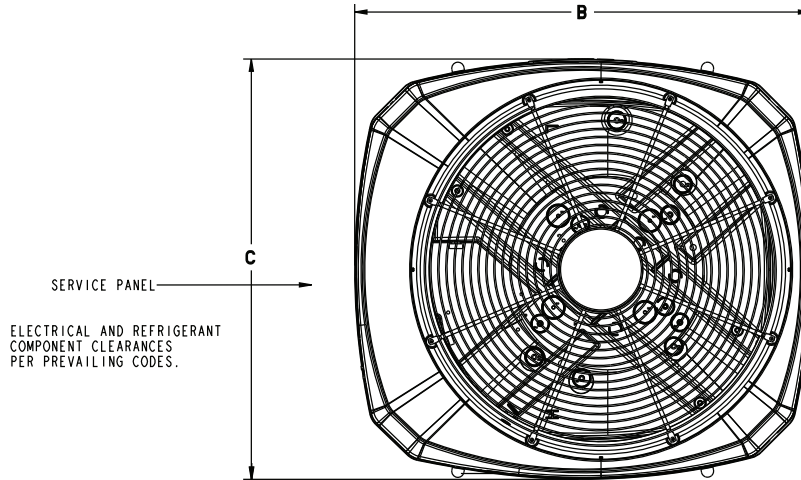
TOP DISCHARGE AREA SHOULD BE
UNRESTRICTED FOR AT LEAST 1524 (5 FEET)
ABOVE UNIT. UNIT SHOULD BE PLACED SO ROOF
RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT,
AND SHOULD BE AT LEAST 305 (12") FROM WALL AND
ALL SURROUNDING SHRUBBERY ON TWO SIDES.
OTHER TWO SIDES UNRESTRICTED.

ELECTRICAL SERVICE
PANEL

25 (1)

22.2 (7/8) DIA. HOLE
LOW VOLTAGE
28.6 (1-1/8) DIA. K.O. WITH
22.2 (7/8) DIA. HOLE IN CONTROL
BOX BOTTOM FOR ELECTRICAL
POWER SUPPLY

K.O. FOR ALTERNATE
ELECTRICAL ROUTING

LIQUID LINE SERVICE VALVE,
"E" I.D. FEMALE BRAZE
CONNECTION WITH 1/4" SAE
FLARE PRESSURE TAP FITTINGS.

GAS LINE 1/4 TURN BALL SERVICE VALVE, "D"
I.D. FEMALE BRAZED CONNECTION WITH 1/4" SAE
FLARE PRESSURE TAP FITTING.

Model	Base	A	B	C	D	E	F	G	H	J	K
4TTR6061C	4	1147 (45–1/8)	946 (37–1/4)	870 (34–1/4)	7/8	3/8	152 (6)	98 (3–7/8)	219 (8–5/8)	86 (3–3/8)	813 (32)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz*	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
4TTR6061C	74	68	56	63	73	69	64	59	51
Note: Rated in accordance with AHRI Standard 270–2008				*For Reference Only					

2

TTR6061C-SUB-1A-EN

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Product Specifications

OUTDOOR UNIT [a] [b]	4TTR6061C1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. BRCH. CIR. AMPACITY	32
BR. CIR. PROT. RTG. — MAX. (AMPS)	50
COMPRESSOR	CLIMATUFF®-SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	23.7 — 152.5
FACTORY INSTALLED	
START COMPONENTS [e]	NO (Uses BAYKSKT263)
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	27.6 — 1
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	5400
NO. MOTORS — HP	1 — 1/3
MOTOR SPEED R.P.M.	850
VOLTS/PH/HZ	200/230/1/60
F.L. AMPS	2.80
OUTDOOR COIL — TYPE	SPINE FIN™
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	30.79
TUBE SIZE (IN.)	3/8
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	10 LBS., 15 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	1–1/8
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	51 x 35.1 x 38.7
WEIGHT	
SHIPPING (LBS.)	317
NET (LBS.)	280

[a] Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.

[b] Rated in accordance with AHRI standard 270.

[c] Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.

[d] This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.

[e] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.

[f] Standard Air — Dry Coil — Outdoor

[g] This value approximate. For more precise value see unit nameplate.

[h] For standard, recommended linear length and lift applications, see the Subcool Charging Chart on page 5. For greater lengths and other applications, consult refrigerant piping software Pub. No. 32-3312-xx (xx denotes latest revision).

[i] Trane outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit and 15 feet of tested connecting lines. If connecting line length exceeds 15 feet, then final refrigerant charge adjustment is necessary. Each additional foot over 15 feet requires 0.6 lbs of refrigerant. See the Installer's Guide for full charging instructions.

Mechanical Specification Options

General

The Outdoor Units are fully charged from the factory for up to 15 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish on all louvered panels and the fan top panel. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test . The base is made of a CMBP-G30 weatherproof material to resist corrosion.

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and high pressure switch. High and low pressure controls are inherent to the compressor. A factory supplied liquid line drier is standard. Some models may require field installation.

Compressor

The compressor features internal over temperature, pressure protection and total dipped hermetic motor. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

Evaporator Defrost Control — See Low Ambient Cooling.

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MITSUBISHI ELECTRIC
COOLING & HEATING

P-SERIES

SUBMITTAL DATA: PKA-A30KA4 & PUY-A30NHA4 (-BS)
30,000 BTU/H WALL-MOUNTED AIR-CONDITIONING SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐Reference ☐Approval ☐Construction	
System Designation:	Schedule No.:	

Indoor Unit: PKA-A30KA4

Outdoor Unit: PUY-A30NHA4 (-BS)

GENERAL FEATURES
• Wall-mounted indoor unit for residential and commercial applications
• Shiny-white–exterior plastic; compact design
• Quiet operation—both indoor and outdoor units
• Self-check function—integrated diagnostics
• Limited warranty: five years parts and seven years compressors

UNIT OPTION
☐ Standard Model…………….........……..................PUY-A30NHA4
☐ Sea Coast (BS) Model……..………………..PUY-A30NHA4-BS

OPTIONAL ACCESSORIES
Indoor Unit
☐ Mini Condensate Pump (SI1730-230, 230V)
☐ L-Connector Pipe (PAC-SC84PI; for left side unit piping installation)

Outdoor Unit
☐ Drain Pan (PAC-SG63DP)
☐ Drain Socket (PAC-SG61DS)
☐ Three-pole Disconnect Switch (TAZ-MS303)
☐ Wind Baffle (WB-PA2)
☐ Air Outlet Guide (PAC-SG59SG)
☐ Mounting Base (DSD-400N)
☐ Mounting Pad (ULTRILITE2)
☐ Wall-mounting Brackets (CWMB1)

Controller Options
☐ Wireless Wall-mounted Remote Controller Kit (MHK1)*
☐ Portable Controller (MCCH1)*
☐ Outdoor Air Sensor (MOS1)*
*See Submittal for information on each option.
☐ Wired Wall-mounted Controller (PAR-21MAAU)
☐ M-NET Adapter (PAC-SF81MA)
☐ CN51 Connector for Multiple Remote Controller Adapters/Duct Fan Controller (PAC-725AD)
☐ CN32 Connector for Remote On/Off (PAC-715AD)
☐ Remote Temperature Sensor (PAC-SE41TS)
☐ Remote Operation Adapter - Display and On/Off (PAC-SF40RM)
☐ Hand-held Wireless Remote Controller (PAR-FL32MA; req. PAR-FA32MA-E)
☐ Wireless Signal Receiver Module (PAR-FA32MA-E)
☐ Lockdown Bracket for Hand-held Controller (RCMKP1CB)
☐ Control/Service Tool (PAC-SK52ST)

SEACOAST PROTECTION
• External Outer Panel: Phosphate coating + Acrylic-Enamel coating
• Fan Motor Support: Epoxy resin coating (at edge face)
• Separator Assembly ; Valve Bed: Epoxy resin coating (at edge face)
• Screws (used outer side): Zinc nickel coating 5μm + Polyvinylidene chloride coating

"Blue Fin" treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants.

Specifications are subject to change without notice.
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Cooling*

Rated Capacity . . . . .30,000 Btu/h
Minimum Capacity . . . . .12,000 Btu/h
SEER . . . . .15.5 Btu/h/W
EER . . . . 7.3 Btu/h/W
Total Input . . . . 4,130 W

* Rating Conditions per AHRI Standard

Cooling | Indoor: 80º F (27º C) DB / 67º F (19º C) WB
Cooling | Outdoor: 95º F (35º C) DB / 75º F (24º C) WB

Electrical Requirements

Power Supply . . . . 208 / 230V, 1-Phase, 60 Hz
Recommended Fuse/Breaker Size. . . . . .30 A

Voltage

Indoor - Outdoor S1-S2 . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . .DC ±24V

OPERATING CONDITIONS

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95º F (35º C) DB 71º F (22º C) WB	115º F (46º C) DB
	Minimum	67º F (19º C) DB 57º F (14º C) WB	0º F** (-18º C) DB

** With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23º F (-5º C) DB.

Indoor Unit

MCA . . . . 1 A
Blower Motor (ECM) . . . . 0.36 F.L.A.
Blower Motor Output. . . . . .56 W
Airflow (Lo - Mid - Hi) . . . . 635 - 705 - 775 Dry CFM
570 - 635 - 700 Wet CFM
Air Filter . . . . Polypropylene Honeycomb
Sound Pressure Level (Lo - Mid - Hi). . . . . .39 - 42 - 45 dB(A)
SHF 0.70
Moisture Removal. . . . . 8.1 pt./h

DIMENSIONS	UNIT INCHES / MM
W	46-1/16 / 1,170
D	11-5/8 / 295
H	14-3/8 / 365

Weight. . . . . .46 lbs. / 21 kg
External Finish . . . . Munsell No. 1.0Y 9.2 / 0.2
Field Drainpipe Size O.D. . . . . .5/8" / 16 mm

Outdoor Unit

Compressor . . . . DC Inverter-driven Twin Rotary
MCA . . . . 25 A
MOCP. . . . . 40 A
Fan Motor (ECM) . . . . 0.75 F.L.A.
Sound Pressure Level
  Cooling . . . . .48 dB(A)

DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

Weight . . . . .163 lbs. / 74 kg
External Finish . . . . .Munsell No. 3Y 7.8 / 1.1
Refrigerant Type. R410A
Refrigerant Pipe Size O.D.
  Gas Side . . . . 5/8" / 15.88 mm
  Liquid Side. . . . . 3/8" / 9.52 mm
Max. Refrigerant Pipe Length. 165' / 50 m
Max. Refrigerant Pipe Height Difference . . . . 100' / 30 m
Connection Method . . . . .Flared

Notes:

Unit: inch (mm)

Top side

16-11/16 (423.7) 17 (431.7)

2-9/16 (65.2)

5-17/32 (140.3)

7/16 (11)

Left side

Knockout hole for left piping

A

2-3/32 (53)
1/4 (32)
23/32 (18)
1-3/16 (30)
1-3/8 (35)
2-19/32 (66)

Front side

14-3/8 (365)

2-29/32 (74) 33-21/32 (855) 9-1/2 (241)
46-1/16 (1170)

Right side

Mount board

C

11-5/8 (295) 3/16 (5)

Knockout hole for right piping

Front side (Grille open)

Operation lamp
DEFROST/STAND BY lamp
Receiver

Filter hook

Terminal block for Outdoor unit
Terminal block for power supply (option)
Terminal block for
MA-remote controller (only PKA-A-KA models)
Emergency operation switch
(cooling / heating)

17-15/32 (444) (Gas pipe)
18-31/32 (482) (Liquid pipe)
23-1/32 (585) (Drain hose)

4-27/32 (123)
6-1/16 (154)
5-9/32 (134)

Under side

Sleeve (Field supplied)	Through hole
φ2-15/16 (φ75)	φ2-15/16~φ3-5/32 φ75~φ80

B Vane (auto) Louver (manual) B

Knockout hole for lower piping

Piping connection

① Liquid pipe	Refrigerant pipe: 3/8 O.D. (φ9.52)
	Flared connection: 3/8F
② Gas pipe	Refrigerant pipe: 5/8 O.D. (φ15.88)
	Flared connection: 5/8F
③ Drain hose	5/8 (φ16) O.D.

Knockout hole for piping

C B A

2-5/8(67)
3-1/32(77)
2-9/16(65)
3-1/32(77)
3-1/32(77)
2-5/8(67)

5/16(7.8)
13/32 (10.7)
13/32 (87)
5/16(7.8)

2-9/16(65) 3-1/32(77) 2-9/16(65)

Center measurement hole φ3/32 (φ2.5)
2-1/8 (54)
Mount board

4-Φ11/32 (Φ9) Bolt hole

20-3/8 (517.4)
20-3/8 (454)
17-7/8 (439)
17-3/32 (408.5)
15-1/8 (384)
4-11/32 (384)

4-11/32 (110)
2-3/8 (60)
13/32 (10)
13/32 (10)
2-3/8 (60)
4-11/32 (110)
1-6 (3)

12-3/8 (314)
14-11/32 (364)
16-1/16 (408.5)
16-3/32 (408.5)
17-9/32 (439)
17-7/8 (454)
18-5/16 (465.5)

Indoor unit outline

75-Φ3/16 (Φ5.1)
Tapping screw hole

5/8 (15.5)
31/32 (25)
1-31/32 (50)
2-15/16 (75)
3-15/16 (100)
4-19/32 (117)
4-29/32 (125)
5-19/32 (142)
7-9/16 (192)
9-17/32 (242)
11 (279.5)
11-1/2 (292)

1-1/4 (32)
31/32 (25)
1/2 (12.5)
1/2 (12.5)
1-15/32 (37.5)
2-15/32 (62.5)
3-7/16 (87.5)
4-1/8 (104.5)
5-3/32 (129.5)
6-9/16 (167)
8-17/32 (217)
9-1/32 (229.5)
10-13/32 (264)
11-1/2 (292)
12-5/32 (308.5)
12-1/4 (311)

23-1/32 (585)
20-7/8 (530.5)
16-15/16 (430.5)
15-1/8 (384)
13-11/32 (339)

Wall hole for left rear piping
Knockout hole for left rear piping
2-15/16x18-29/32 (75×480)

7-7/16 (189)
0

8-17/32 (216.5)
R1-15/32 (R37.5)
13-11/32 (339)
13-3/4 (349.2)
15-1/8 (384)
17-11/16 (449.2)
23-1/32 (585)

Wall hole for right rear piping

Required space (Indoor unit)

Min. 1-7/8 (48)
Air inlet
Air outlet
Min. 2 (50.5)
Min. 9/32 (7)
Min. 9-27/32 (250)
Min. 2-27/32 (72.4) Min. 8-21/32 (220)

Unit: mm (inch)

1 Clearance Area (Around unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10×W3/8〉) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: front, right, rear and below.

Example of Notes

① ····Refrigerant GAS pipe connection (FLARE)φ15.88<5/8>
② ····Refrigerant LIQUID pipe connection (FLARE)φ 9.52<3/8>
*1 ····Indication of STOP VALVE connection location.

Piping Knockout Hole Details
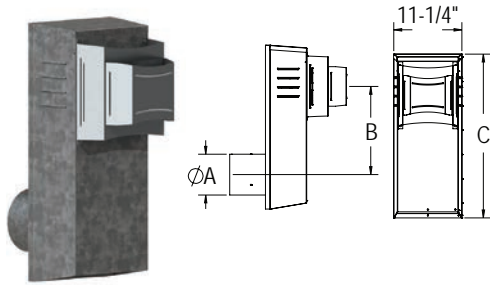
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Snorkel H2 Termination Cap

Use for horizontal through-the-wall termination when a vertical rise is desired in the system to meet appliance manufacturer recommended minimum heights. Do not enclose in the wall or install below grade. Provides improved performance in high wind conditions. Features an adjustable air intake and interchangeable shroud (shroud is included and required for all installations). Check with appliance manufacturer for approval and air throttle setting. Patent Pending.

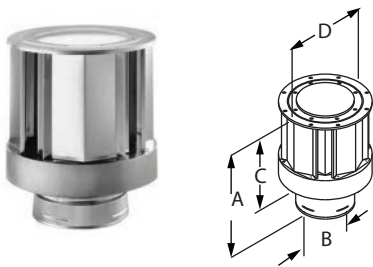| SIZE	ORDER #	STOCK #	A	B	C
4" x 6 ⅝"	46DVA-H2-SNK14	810012915	6 ¾"	14 ½"	27"
4" x 6 ⅝"	46DVA-H2-SNK36	810012916	6 ¾"	37"	49 ½"
5" x 8"	58DVA-H2-SNK14	810012917	8 ⅛"	15"	28"
5" x 8"	58DVA-H2-SNK36	810012918	8 ⅛"	37 ½"	50 ½"

Horizontal Windguard
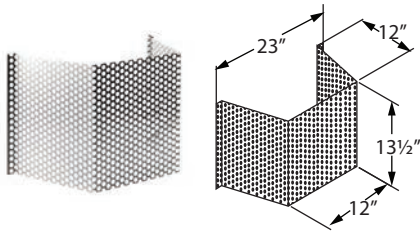
Use with through-the-wall termination cap where high winds are present. Also use as a safety heat shield to prevent children or others from coming into contact with the vent termination cap.
Fits both 4" x 6 ⅝" and 5" x 8" terminations.

SIZE	ORDER #	STOCK #
4" x 6 ⅝" & 5"x 8"	46DVA-WG	810001357

High-Wind Termination Cap

Use for vertical terminations only. Provides improved performance in high wind conditions. For vertical terminations only. Available in aluminum.

SIZE	ORDER #	STOCK #	A	B	C	D
4" x 6 ⅝"	46DVA-VCH	810001359	12 ⅜"	6 ⅝"	7 ⅝"	10 ½"
5" x 8"	58DVA-VCH	810001432	12 ⅜"	8"	7 ⅝"	10 ½"