

HDC

ADMINISTRATIVE APPROVALS

May 06, 2020

1. 403 Deer Street, Unit 13 (LUHD-120) -TBD
2. 3 Pleasant Street (LUHD-138) -TBD
3. 410-430 Islington Street (LUHD-139) -Recommended Approval

1. 403 Deer Street, Unit 13 - T.B.D.

Background: The applicant is seeking approval for adding gutters and downspouts to the buildings and for several changes in design that were undertaken during construction including the following:

- **Deck, Stairs and ADA Ramp** – Removal of the deck and minor dimensional changes.
- **Windows** – Full screens were added, dimensions changes and transom windows added.
- **Doors** – minor door design changes in moulding, flashing and casing.
- **Dormers** – Minor dimensional changes,
- **Lighting** – Different wall lights were substituted.

Staff Comment: T.B.D. **Note that several commissioners wanted to visit the property to see the changes first-hand as well as hear from the applicant at the meeting.**

Stipulations:

1. _____
2. _____
3. _____

Historic District Commission Work Session or Administrative Approval Application Add to a project

📅 Expiration Date	Active	⋮
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LUHD-120

Details
Submitted on Mar 02, 2020 9:59 PM

Attachments
6 files

Activity Feed
Latest activity on Apr 21, 2020

Applicant
Doug Palardy

Location
403 DEER ST, Unit 13-Jul, Portsmouth, NH 03801

Timeline

Add New

Application Completeness Review
Completed Apr 13, 2020 at 8:25am

Land Use Permit -- Planning Department Review and Fee Calculation
Completed Apr 14, 2020 at 11:36am

Application Permit Fee
Paid Apr 14, 2020 at 11:42am

HDC Admin Approval Letter of Decision
Issued Apr 21, 2020 at 11:42am

HDC Approval Received
In Progress

HDC Work Session(s) Complete
Review

Application Type

Please select application type from the drop down menu below
Administrative Approval

Project Information

Brief Description of Proposed Work *

Record minor changes to work done in 2019. Request approval for black seamless gutters for life safety.

Description of Proposed Work (Planning Staff)

several changes in design that were undertaken during construction and to install black, seamless gutters. The field changes implemented during construction include the following:

- Deck, Stairs and ADA Ramp – Removal of the deck and minor dimensional changes.
- Windows – Full screens were added, dimensions changes and transom windows added.
- Doors – minor door design changes in moulding, flashing and casing.
- Dormers – Minor dimensional changes.
- Lighting – Different wall lights were substituted.

Project Representatives

Enter one entry for each person in addition to the applicant who will be involved with this project and providing information to the City on behalf of the project.

Acknowledgement

I certify that the information given is true and correct to the best of my knowledge. *

By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction *

I hereby certify that as the applicant for permit, I am * Ⓜ

Owner of this property

If you selected "Other" above, please explain your relationship to this project. Owner authorization is required.

SEACOAST APART-HOTELS



PO Box 11, New Castle, NH 03854 (603) 501-9999

April 10, 2020

To: Historic District Commission, City of Portsmouth
Re: Administrative Approval for alterations to approved plan at 403 Deer St

Dear Commissioners -

Below please find the reasoning for minor adjustments to the original approved plan at 403 Deer Street on The Hill.

- Deck omitted. Non-Historic deck was removed due to severe rot and not replaced to maintain a more quiet, peaceful setting for guests and fellow members of The Hill Condo Association. (Page 1, Item A)
- Rebuilt stair access was shifted and widened due to ledge and to mirror the landing to the left. (Page 1, Item B)
- ADA ramp had to be altered to accommodate the Eversource's meter for the Condo Association meter for exterior lights that was previously mounted to our building. This was illegal and did not conform to code. I had no control to the location they chose to mount new meter pole. (Page 1, Item C)
- Full screens were added to windows.
- Dormers were altered slightly by contractors on site without my knowledge. (Page 2)
- Post caps on railings were installed in wood and not copper. Since no one can see the copper on the roof, the copper caps looked visually out of place. Wood seemed more accurate in the end.
- At time of opening, original lights were not available from manufacturer. An alternative historic light was used and has been favorably received by condo members as well as guests at the inn. We are asked often who makes them. (Page 3)
- Transoms were installed with 3 lites and doors with 9 lites without my knowledge. This was an oversight but does not distract from the historic integrity.
- Due to extreme rot on rear of building the casing of left door had to be adjusted on site. (Page 4)
- Dormer windows on sides were reduced on site by contractors. As the Commission was keen on having the smallest dormer possible, this assisted in reducing its visual impact. (Page 5)
- Flashing above doors. Where it was possible to save the existing copper flashing we did. It was previously painted over and was in good condition, so we did not replace.
- Door molding. Altered slightly due to manufacturers on-site measurements as opposed to architect renderings pre-construction. (Page 6)
- On-Site fire hydrant is the responsibility and ownership of The Hill Condo Association.

Lastly, due to life safety concerns with excessive iced over brick sidewalks and four entrance landings, I would like to seek administrative approval for black seamless gutters. This winter has been extremely challenging here and no amount of salt can keep up the ice. With black trim, doors, and windows, the black look will be the most discrete visually here. You see none of the copper roofing from outside the building, so making them the copper will stand out like a sore thumb. I truly feel that black would disappear and be less noticeable as I am sure there were no gutters at all here in 1809, but today's safety requires them.

Thank you in advance,
Doug Palardy, Owner

403 Deer Street (the Hill)
Land Use Compliance Report
Historic District Commission Approval

March 29, 2019 Administrative Approval: Sheet 10R – North Elevation

Alterations to the Approved Plan:

- A. 21'-11.5" x 11.5' deck omitted.
- B. Right stairs and landing shifted several feet to right (railing is no longer aligned with
- C. ADA ramp doglegs to right.

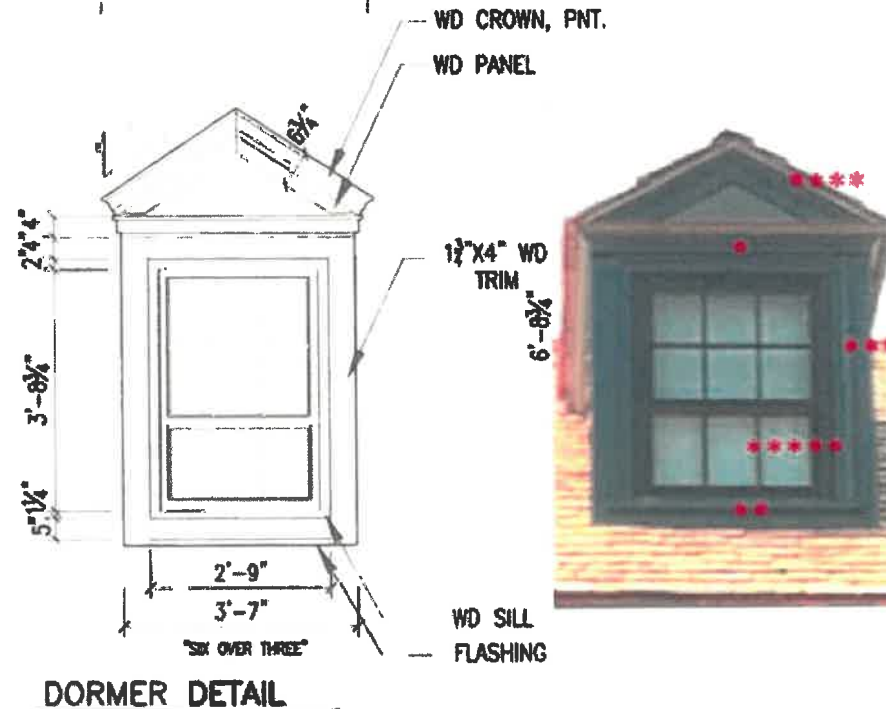


December 03, 2018 Administrative Approval: Sheet 8R – South Elevation

Alterations to the Approved Plan:

- A. Full screens added (all elevations).
- B. The following dormer details have been modified:
 - *4 inch trim deleted omitted.
 - **Sill lengthened.
 - ***Bead mold added.
 - ****6 inch detail omitted, crown mold modified.
 - ***** Bottom panes are not uniform in size with top sash.
 - *****Overall dormer dimensions have increased.

[Please see Below Detail for Corresponding “*” Details]



December 03, 2018 Administrative Approval: Sheet 16R – Proposed Materials

To be Completed:

1. Installation of copper post caps.

Alterations to the Approve Plan:

- A. Copper Smith Georgetown GT Wall Sconce light fixture omitted in favor of alternative fixture.



THE COPPER SMITH- GEORGETOWN
GT 18 WALL SCONCE



December 03, 2018 Administrative Approval: "Option 2" – North Elevation

Alterations to the Approved Plan:

- A. Transom lights reduced to 3 light.**
- B. Window and left entry door casings are no longer aligned.**
- C. Entry doors are now 9 light.**

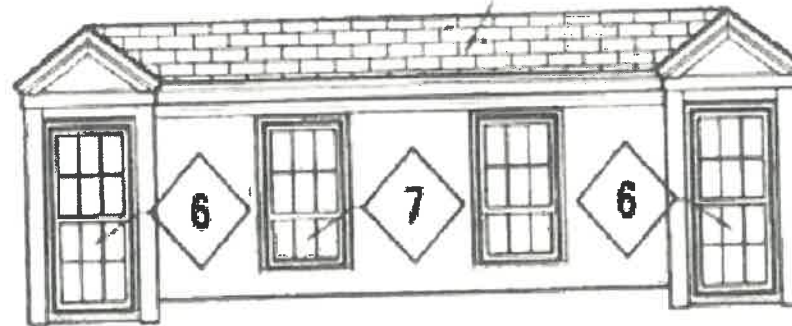


D. The following dormer details have been modified:

*Corner windows have been reduced in dimension.

**Bottom panes of center windows are not uniform in size with top sash.

***Dormer trim/casing details mirror modifications made on South Elevation.



December 03, 2018 Administrative Approval: Sheet 12R – Roof/Site Plan

To be Completed:

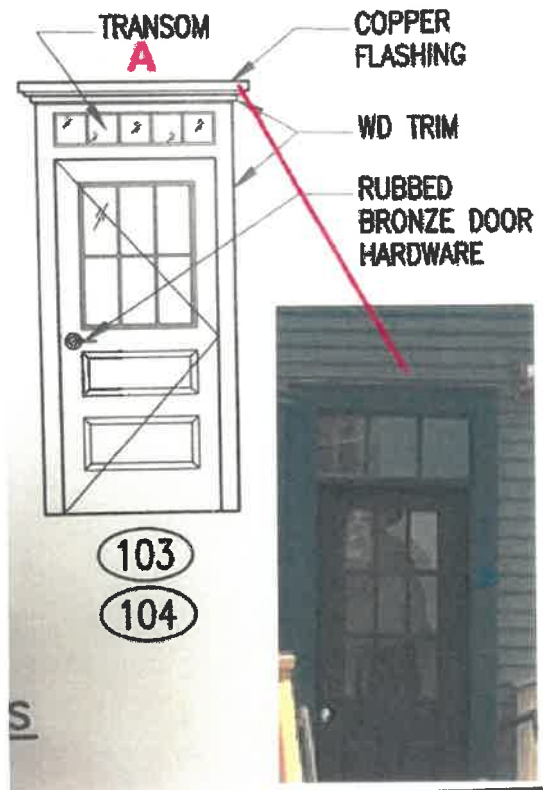
~~1. Trash/recycle enclosure.~~

\

October 26, 2018 Certificate of Approval: Sheet 9: East & West Elevations

Alterations to the Approved Plan:

A. Door Type 103 & 104 crown molding detail reduced in thickness.



October 26, 2018 Certificate of Approval: Miscellaneous Items

To be Completed:

1. Confirmation that stipulation 1 of the HDC letter of decision has been satisfied, "1 inch x 4 inch window casing shall be used."

2. Replacement fire hydrant. Please contact Jim Tow of the Water Department regarding new hydrant specifications (see below).

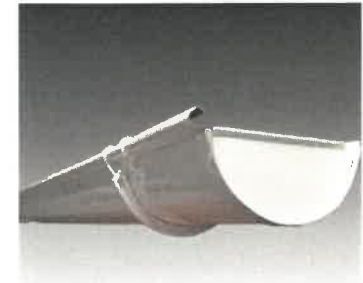


Half Round 6" Seamless Aluminum Gutters

- Combines the strength of .032 gauge aluminum and the distinctive beauty of old world styling.
- Available in 6" seamless aluminum in a wide variety of colors.
- Can be installed with hidden hangers or cast aluminum brackets.
- 3" Round downspouts are available in corrugated or plain finish in a wide variety of colors.



Hidden Hanger (Standard)



Stamped Hanger (Optional)

Color Chart

				
C01-Eggshell	A63-G. Cream	712-Wicker	250-Musket Brown	209-Scotch Red
				
204-Grecian Green	200-Black	187-Sand	102-Pearl Gray	080-Degree White

2. 3 Pleasant Street - TBD

Background: The applicant is seeking approval for changes to a previously approved design to:

1. **Solar Panels:** Add solar panels on uppermost roof.
2. **Parapet:** Change the parapet to copper from painted metal.
3. **Lighting:** Add exterior lighting (wall and string lighting).
4. **HVAC:** Add HVAC louvers, exhaust chimney, & mechanical equipment within rear roof well.
5. **Windows:** Modify window sizing and cladding type on 1st.
6. **Doors:** Modify door type and cladding on the 1st and 4th floors.
7. **Fence Enclosure:** Reduce the height of the fence enclosure for mechanicals.

Staff Comment: TBD

Stipulations:

1. _____
2. _____
3. _____

Historic District Commission Work Session or Administrative Approval Application - Add to a project

Expiration Date Active

LUHD-138

Details
Submitted on Apr 17, 2020 12:53 PM

Attachments
2 files

Activity Feed
Latest activity on Apr 17, 2020

Applicant
Tracy Kozak

Location
3 PLEASANT ST, Portsmouth, NH 03801

Timeline

Add New

- Application Completeness Review**
Completed Apr 30, 2020 at 3:16pm
- Land Use Permit -- Planning Department Review and Fee Calculation**
In Progress
- Application Permit Fee**
Payment
- HDC Approval Received**
Review

Application Type

Please select application type from the drop down menu below
Administrative Approval

Project Information

Brief Description of Proposed Work *
Minor revisions to previously approved application

Description of Proposed Work (Planning Staff)

Project Representatives

Enter one entry for each person in addition to the applicant who will be involved with this project and providing information to the City on behalf of the project.

Relationship to Project
Architect

If you selected "Other", please state relationship to project.

Full Name (First and Last)
Tracy Kozak

Business Name (if applicable)
JSA Inc

Mailing Address (Street)
273 Corporate Dr, Ste 100

City/Town
Portsmouth

State
NH

Zip Code
03801

3 PLEASANT STREET BRICK MARKET



DRAWING LIST:

- 1 COVER
- 2 SUMMARY
- 3 ELEVATIONS - west
- 4a ELEVATION - south, previously approved
- 4b ELEVATION - south, proposed
- 5 ELEVATIONS - east
- 6a ELEVATION - north, previously approved
- 6b ELEVATION - north, proposed
- 7 SITE LIGHTING PLAN
- 8 ROOF PLAN
- 9 3D PERSPECTIVE VIEWS
- 10 3D AXONOMETRIC VIEWS
- 11 VIGNETTES
- 12 WINDOW TYPES
- 13 DOOR TYPES

HDC - REVISIONS TO PREVIOUSLY APPROVED APPLICATION
APRIL 17, 2020

1

COVER

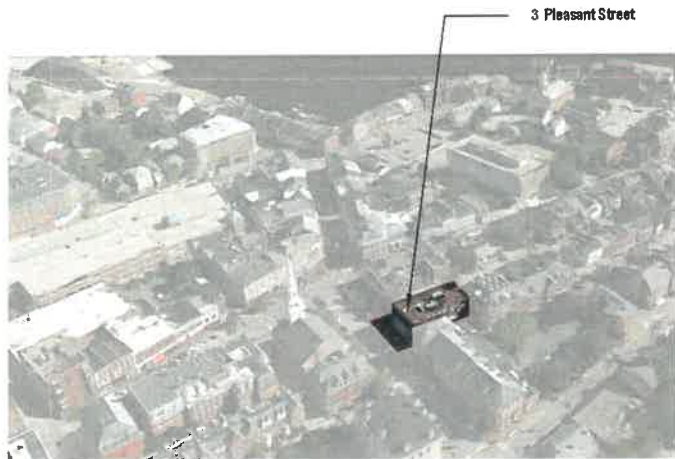
3 PLEASANT STREET at BRICK MARKET

SCALE:
HDC REVISIONS

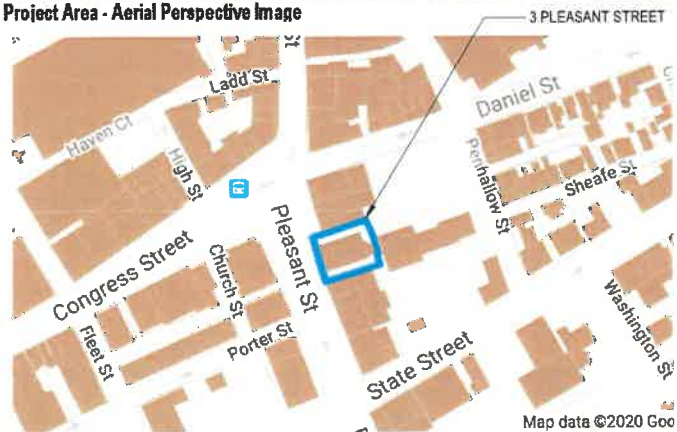
April 17, 2020

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Project Area - Aerial Perspective Image

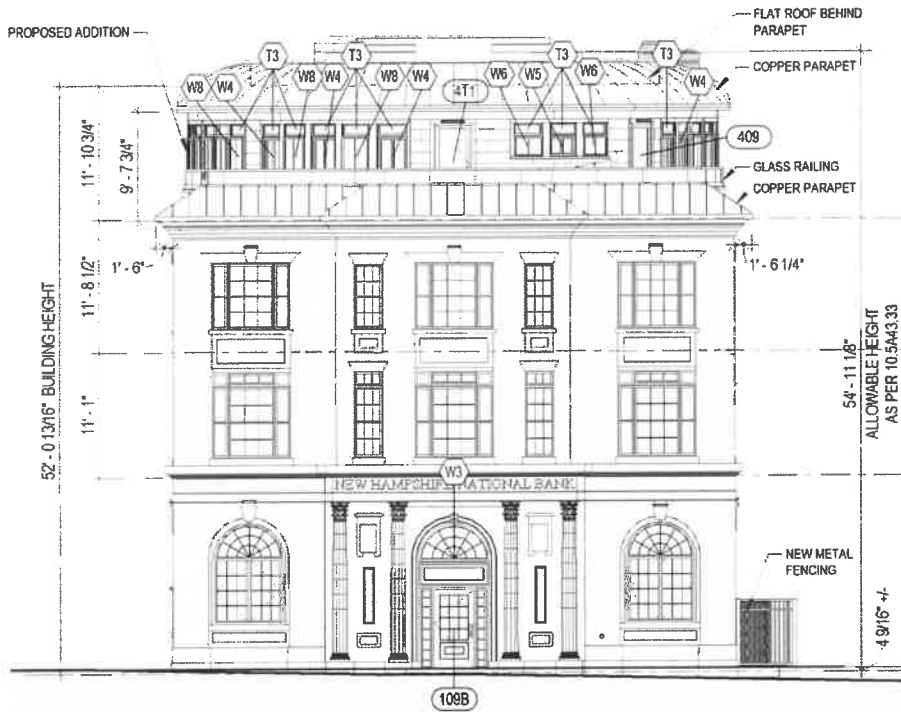


3 Pleasant Street at Brick Market

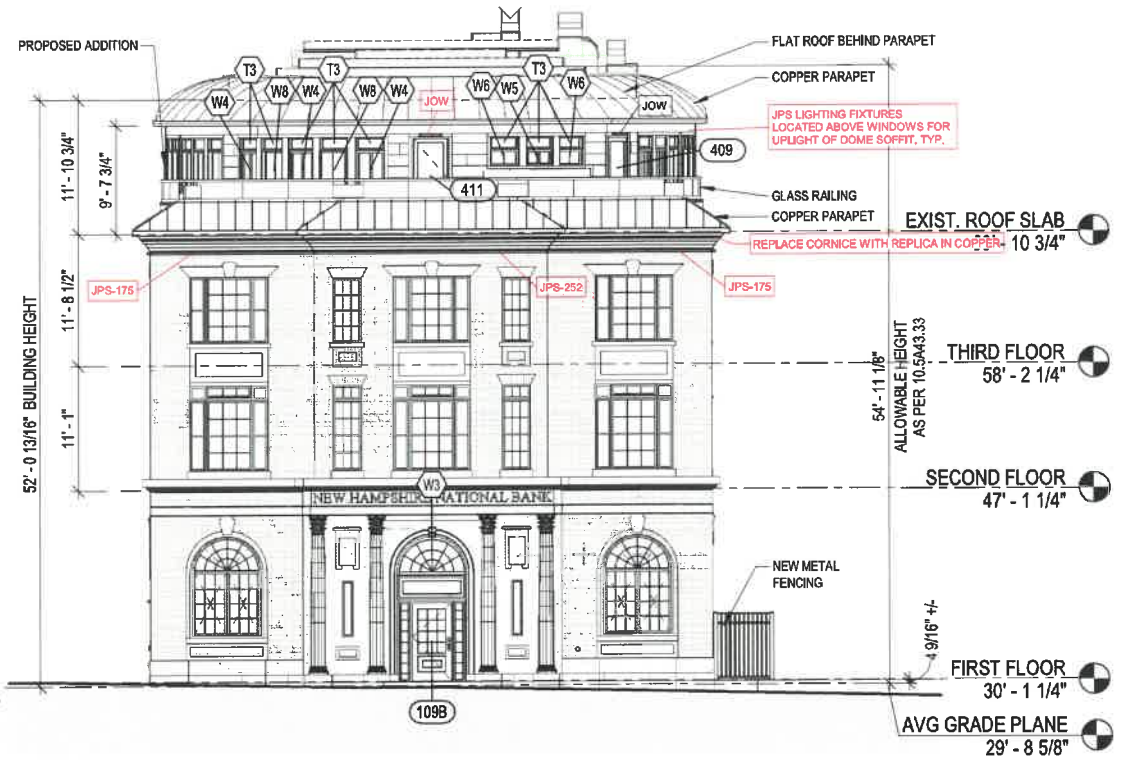
Historic District Commission Application, Revisions to previously approved application
April 17, 2020

Miscellaneous minor revisions per engineering and construction coordination:

1. **Roof** –
 - Photovoltaic Solar Panel Array is proposed located on uppermost roof.
 - Replace existing painted metal cornice with replica in copper to match parapet, due to structural condition of existing parapet substrate.
2. **Exterior lighting** –
 - Cantenary cable suspended lighting fixtures over side and rear alleys
 - Emergency egress lighting above doors
 - Cornice accent lighting
 - Recessed accent lighting within below grade area-wells.
3. **Mechanical** –
 - 2 Louvers on north alley elevation increased in size for ventilation for restaurant tenant, 1 louver added at new addition, south alley.
 - Kitchen exhaust chimneys increased in height on upper rear roof.
 - Additional and relocated mechanical units at rear roof well.
4. **Windows** –
 - Slightly reduced window sizes at fourth floor windows - W4, W6, & W8 per structural steel coordination.
 - Fanlight transoms over front and rear entry doors will be clear finished custom built mahogany, instead of copper-clad wood.
 - New construction 4th floor aluminum clad wood windows are revised from Kolbe Ultra, color: Shale; to Marvin Ultimate, color: Hampton Sage.
 - New construction east/rear elevation windows W7 & W15 and their adjacent trim to be aluminum clad wood (Marvin Ultimate) instead of copper clad wood.
5. **Doors** –
 - First floor entry doors (4) will be clear finished custom built mahogany, instead of copper-clad wood.
 - New doors on upper floor roof decks will be commercial aluminum storefront, instead of aluminum clad wood. Door manufacturer to be Kawneer medium stile or equivalent, factory finished color to match Marvin Windows Hampton Sage.
 - Window W9 at 2nd & 3rd floor balconies is revised from a full height window, to a combination sidelight unit with adjacent door.



1 AS PREVIOUSLY APPROVED 12.6.19



2 FRONT (WEST) ELEVATION - PROPOSED
3/32" = 1'-0"



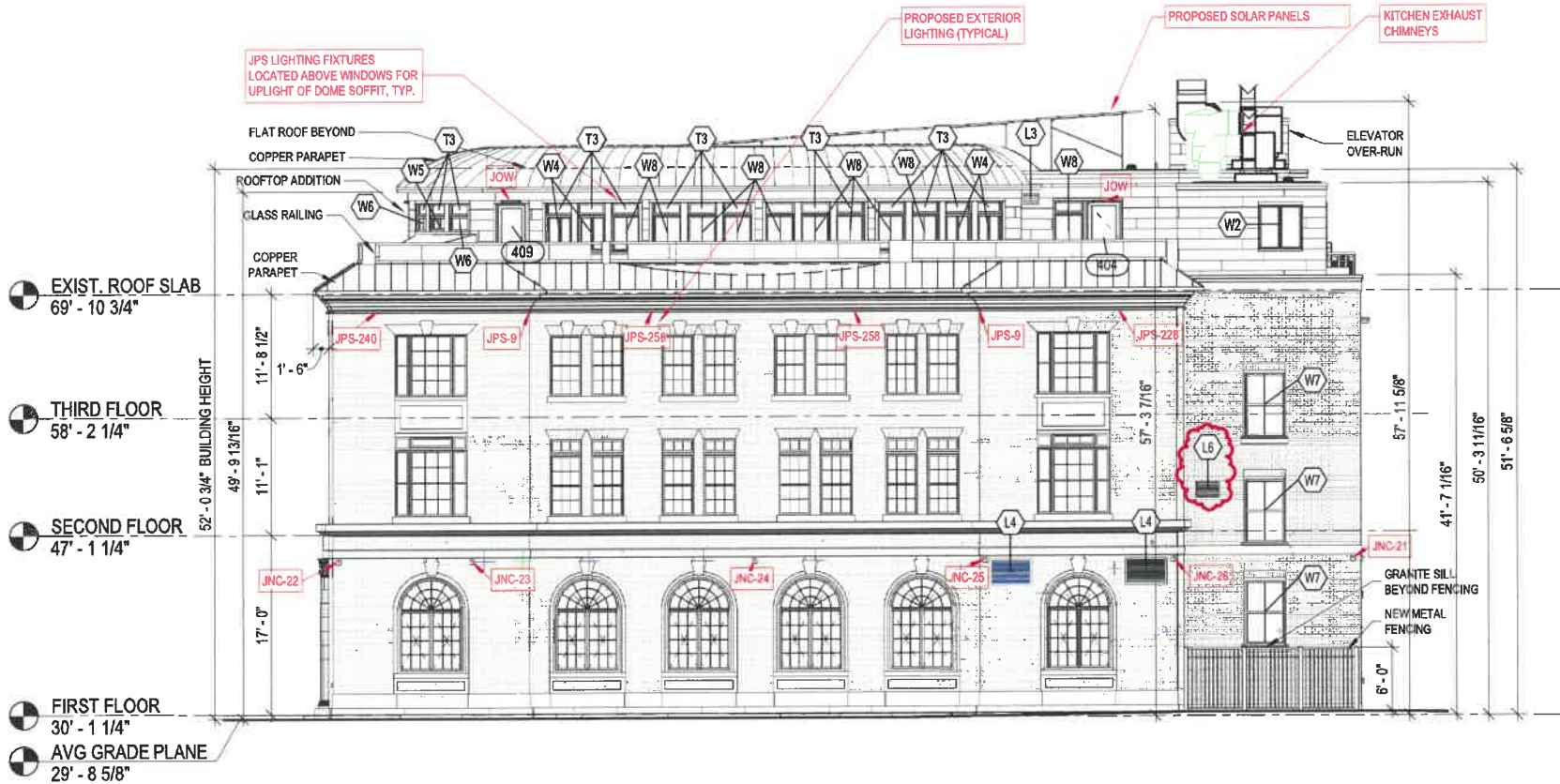
1 AS PREVIOUSLY APPROVED 12.6.19

4a ELEVATION - SOUTH, PREVIOUSLY APPROVED
 3 PLEASANT STREET at BRICK MARKET **JSA**

SCALE:
 HDC REVISIONS

April 17, 2020

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1 SOUTH ELEVATION - PROPOSED
3/32" = 1'-0"

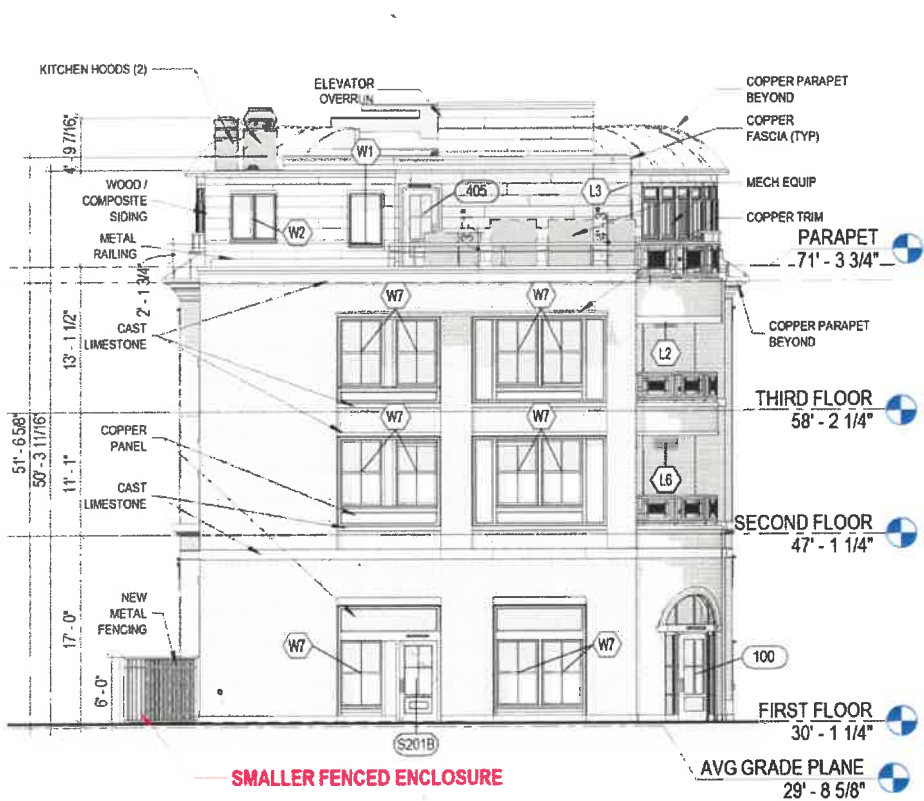
4b ELEVATION - SOUTH, PROPOSED
3 PLEASANT STREET at BRICK MARKET

SCALE: 3/32" = 1'-0"
HDC REVISIONS

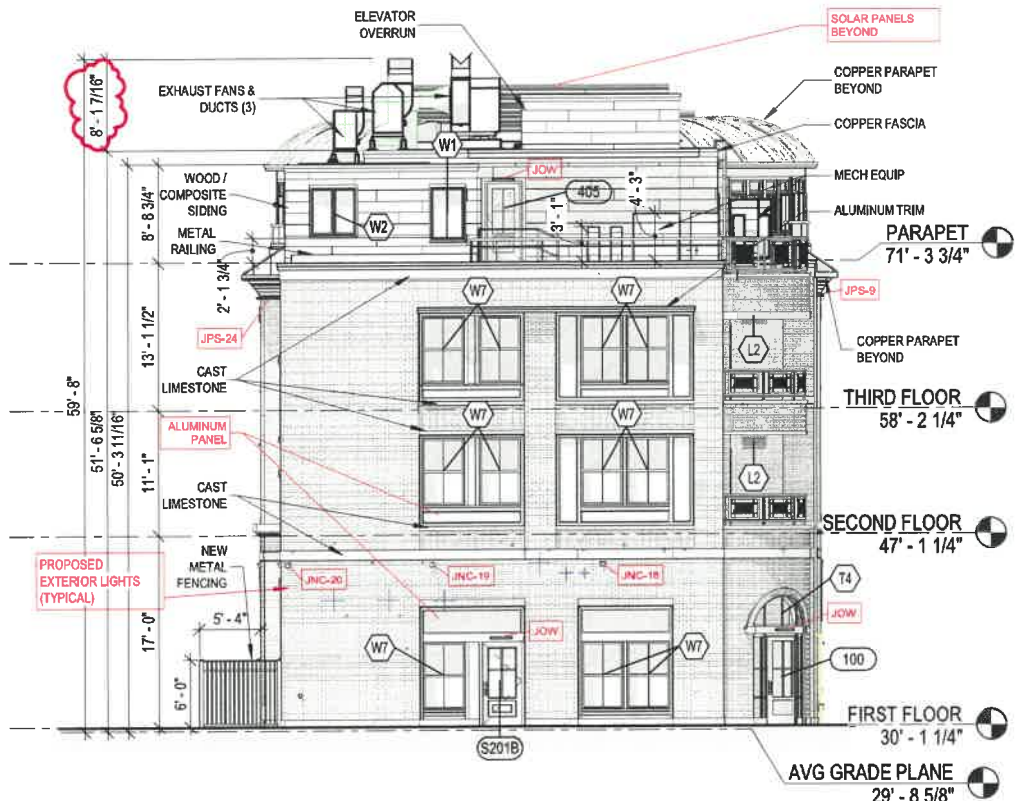
April 17, 2020

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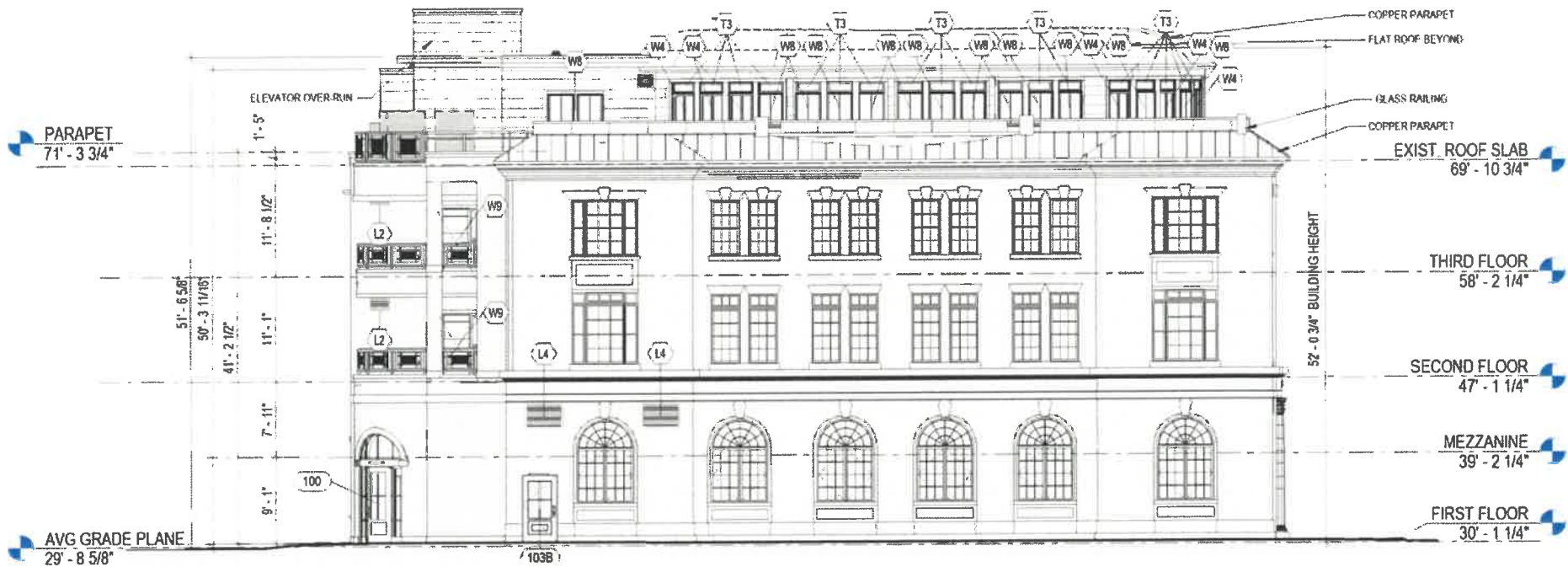




1 AS PREVIOUSLY APPROVED 12.6.19



2 EAST ELEVATION - PROPOSED
3/32" = 1'-0"



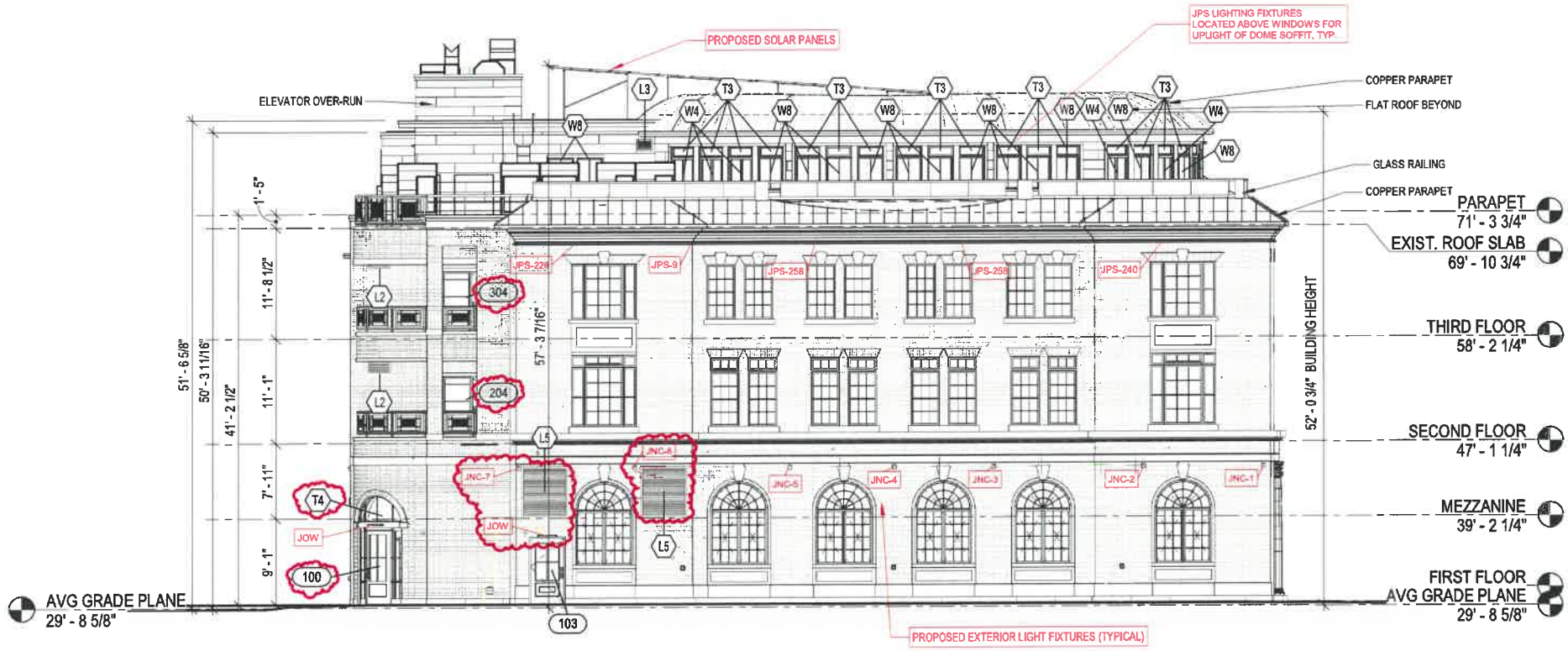
1 AS PREVIOUSLY APPROVED 12.6.19

6a ELEVATION - NORTH, PREVIOUSLY APPROVED
3 PLEASANT STREET at BRICK MARKET **JSA**

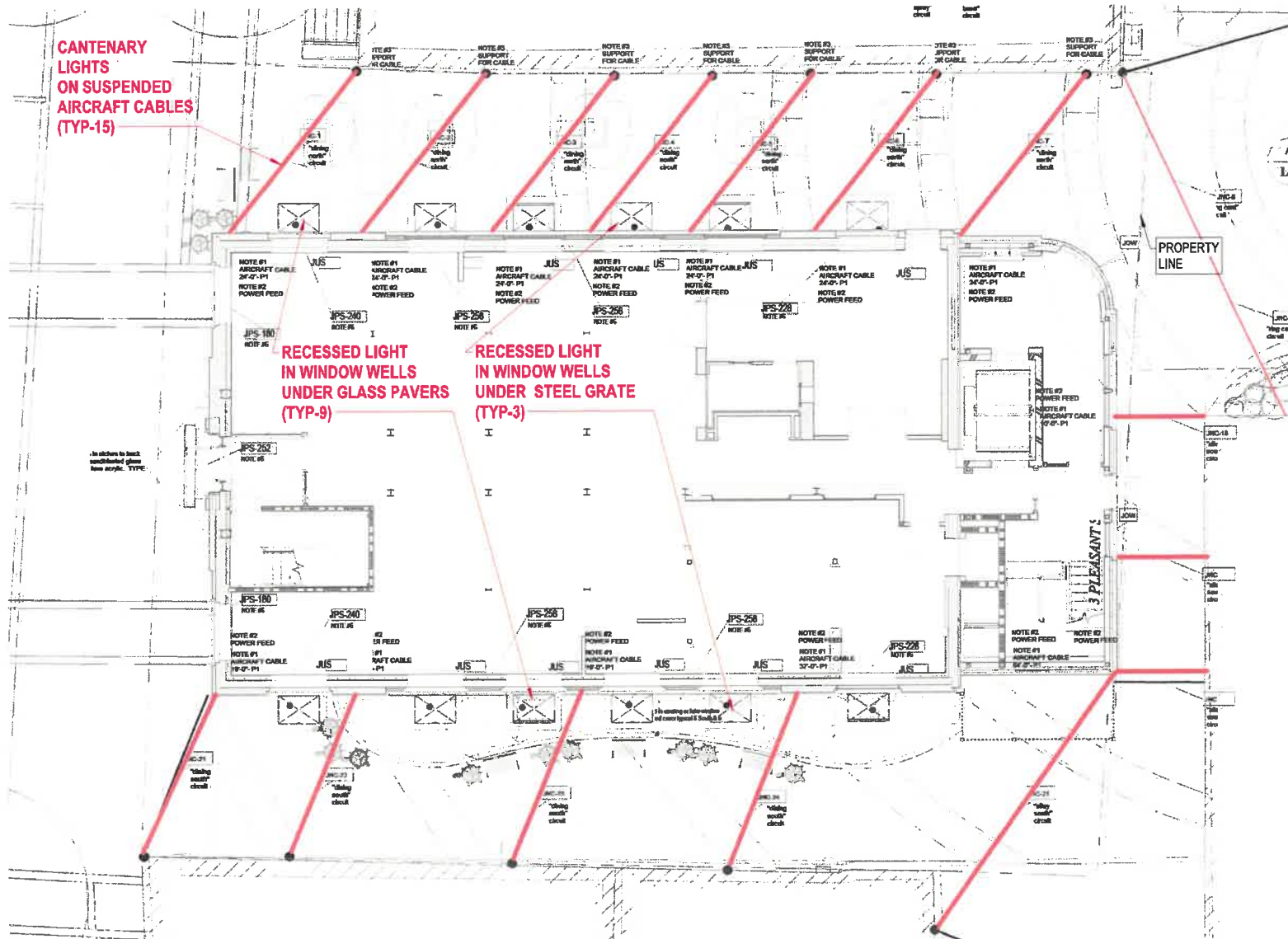
SCALE:
HDC REVISIONS

April 17, 2020

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2 NORTH ELEVATION - PROPOSED
3/32" = 1'-0"



CANTENERY LIGHTS ON SUSPENDED AIRCRAFT CABLES (TYP-15)

RECESSED LIGHT IN WINDOW WELLS UNDER GLASS PAVERS (TYP-9)

RECESSED LIGHT IN WINDOW WELLS UNDER STEEL GRATE (TYP-3)

7

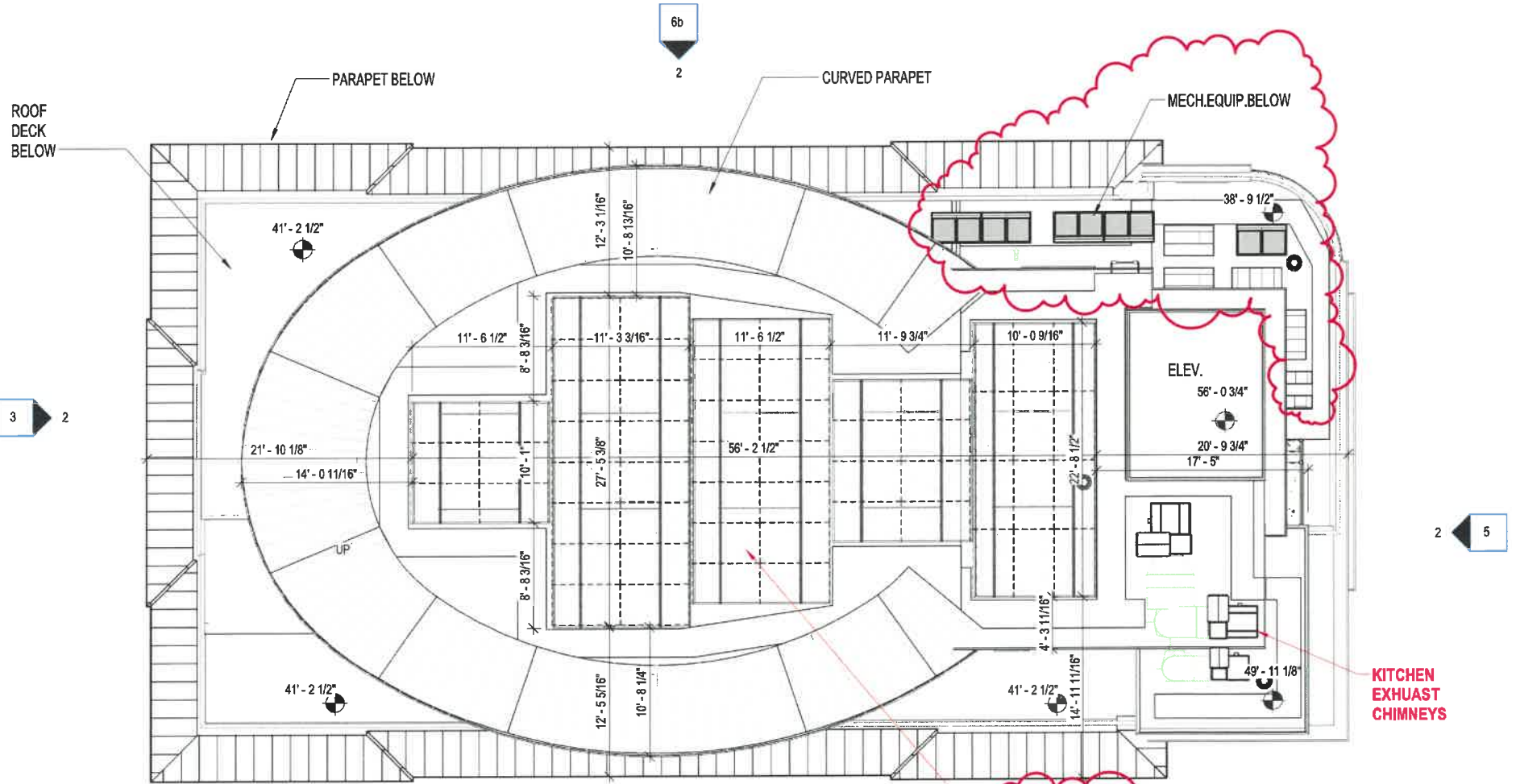
SITE LIGHTING PLAN
3 PLEASANT STREET at BRICK MARKET

SCALE: 3/32" = 1'-0"
 HDC REVISIONS

April 17, 2020

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

8 ROOF PLAN
3 PLEASANT STREET at BRICK MARKET

SCALE: 1/8" = 1'-0"
HDC REVISIONS

April 17, 2020

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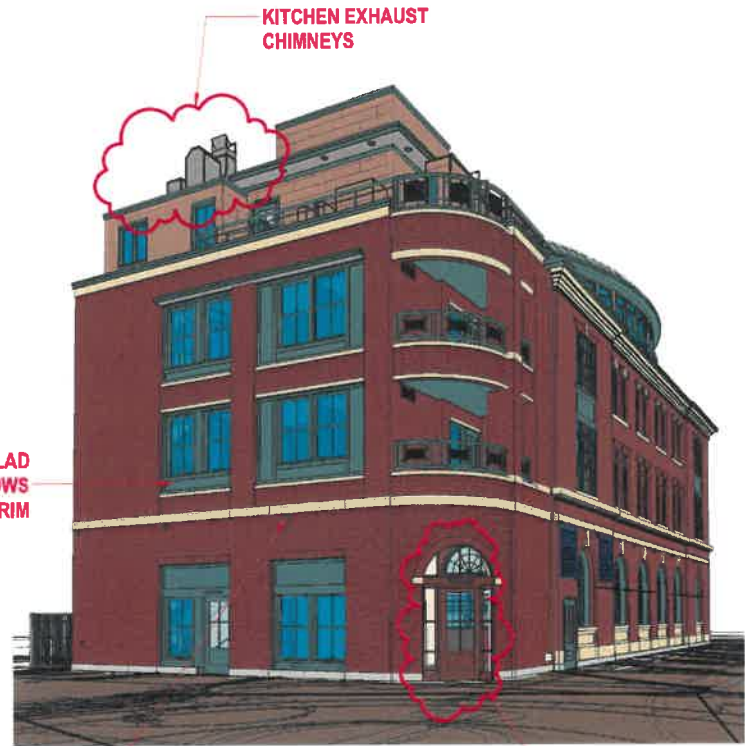


PROPOSED
EXTERIOR LIGHT
FIXTURES

1

FRONT NW PERSPECTIVE - FROM NORTH CHURCH

DOOR AND WINDOW
MATERIAL TO BE
MAHOGANY



KITCHEN EXHAUST
CHIMNEYS

ALUM CLAD
WOOD WINDOWS
& TRIM

2

REAR NE PERSPECTIVE - FROM PROPOSED REAR COURTYARD

DOOR AND TRANSOM
MATERIAL TO BE
MAHOGANY

9

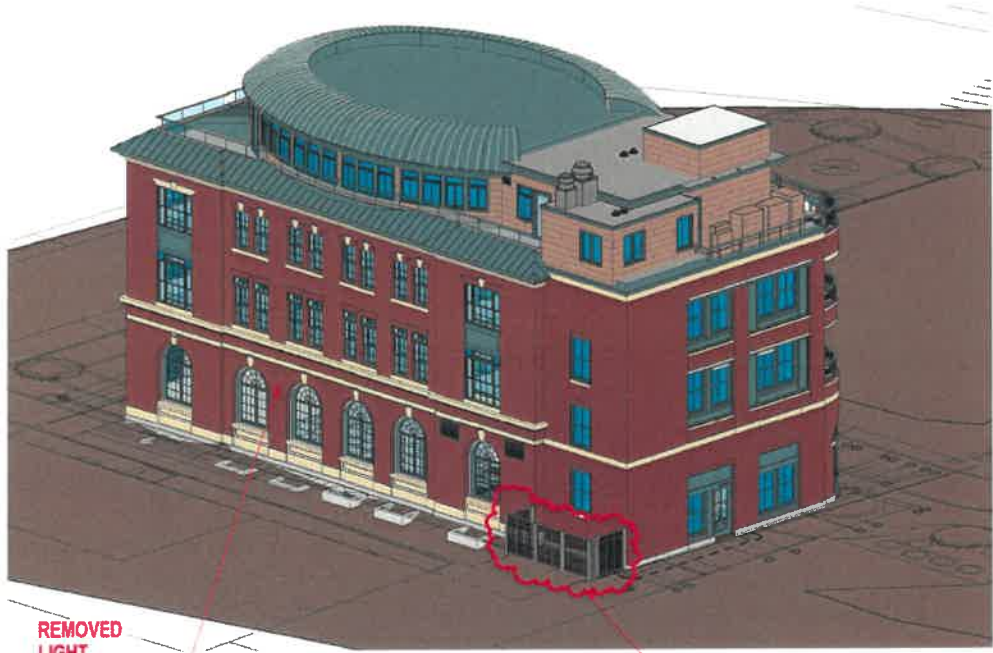
PERSPECTIVE VIEWS
3 PLEASANT STREET at BRICK MARKET

SCALE:
HDC REVISIONS

April 17, 2020

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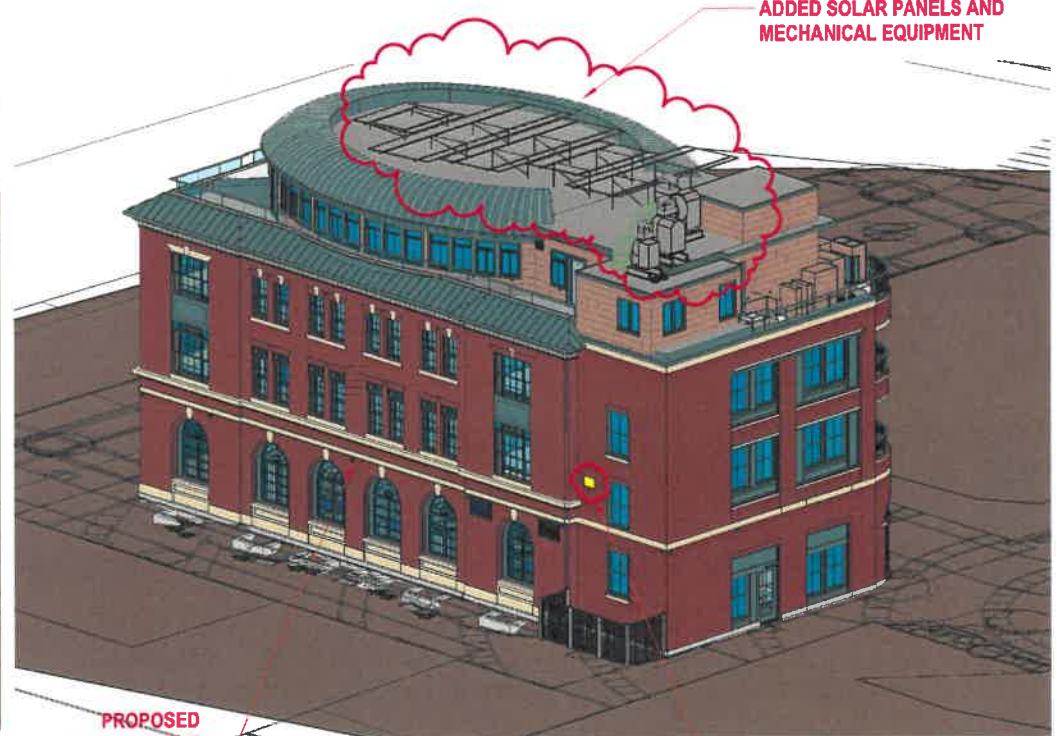




REMOVED
LIGHT
FIXTURES

SMALLER TRASH ENCLOSURE

1 AS PREVIOUSLY APPROVED 12.6.19



ADDED SOLAR PANELS AND
MECHANICAL EQUIPMENT

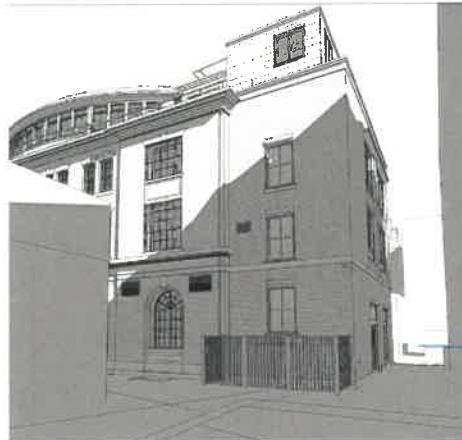
PROPOSED
EXTERIOR LIGHT
FIXTURES

MECHANICAL LOUVER

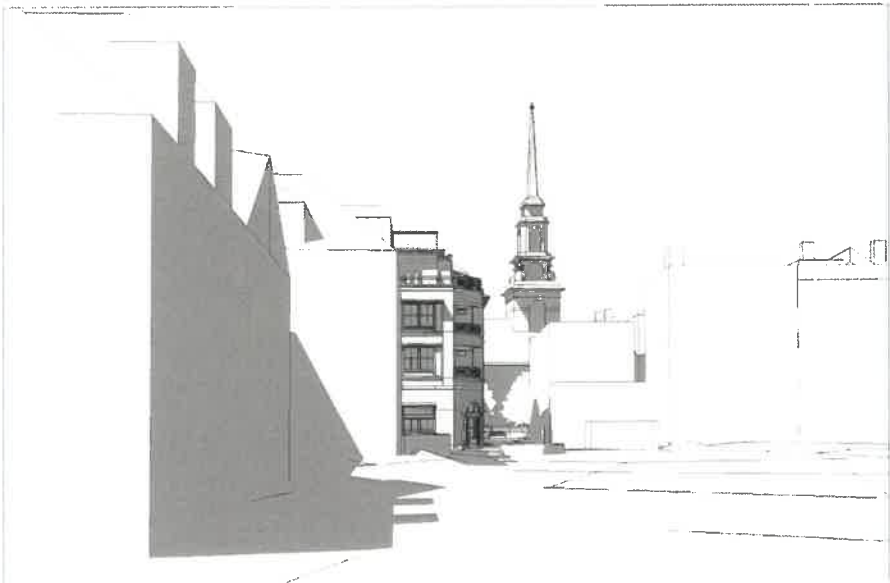
2 REAR SE AXONOMETRIC - PROPOSED



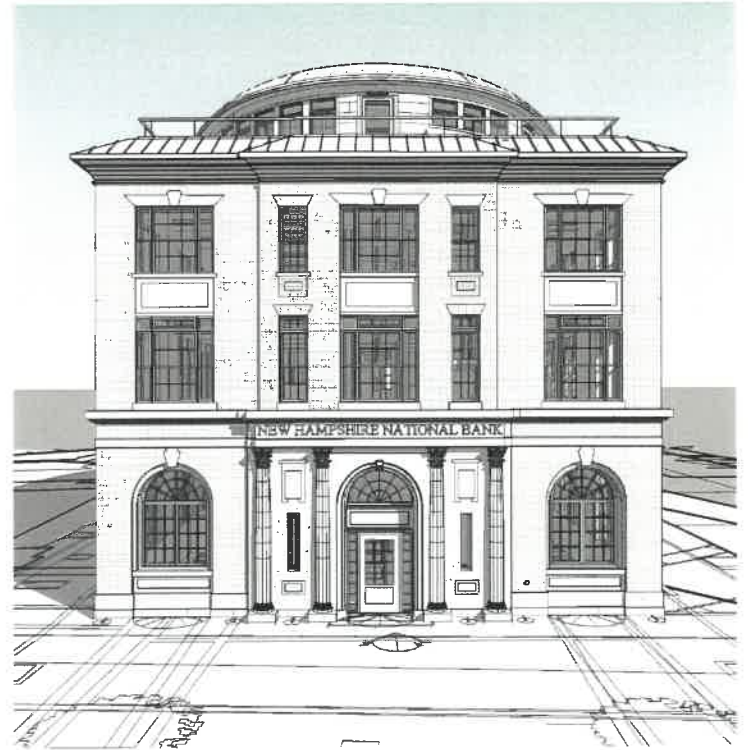
A
2 **CONTEXT VIGNETTES**



B



C



1 **VIEW FROM ACROSS STREET AT 20' HIGH**

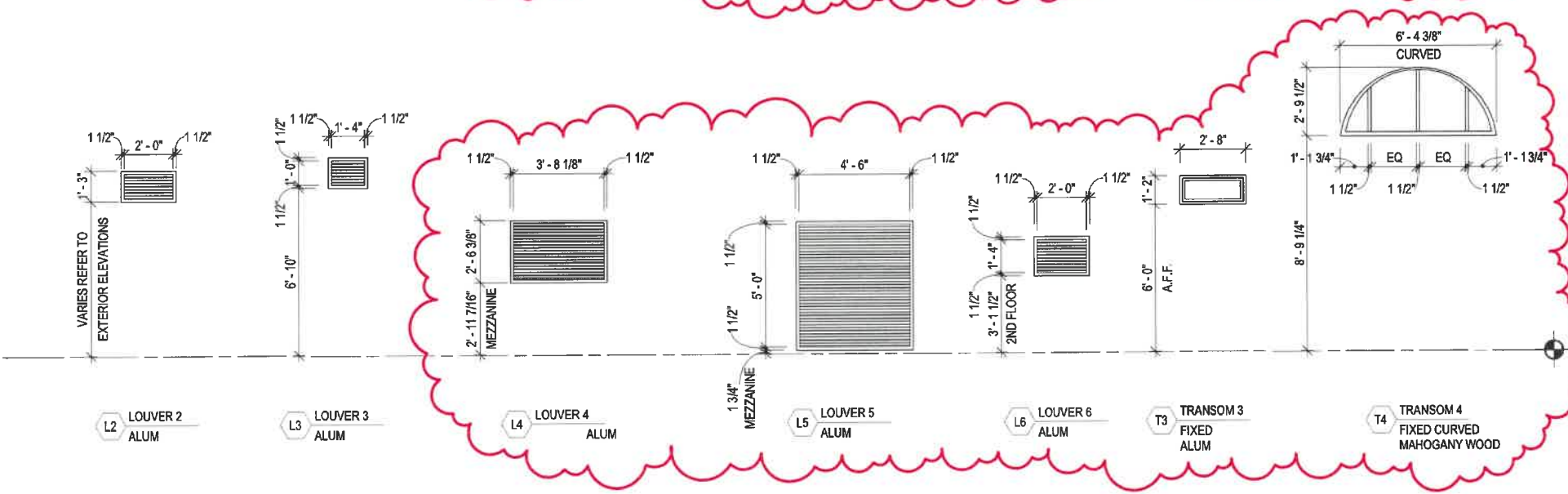
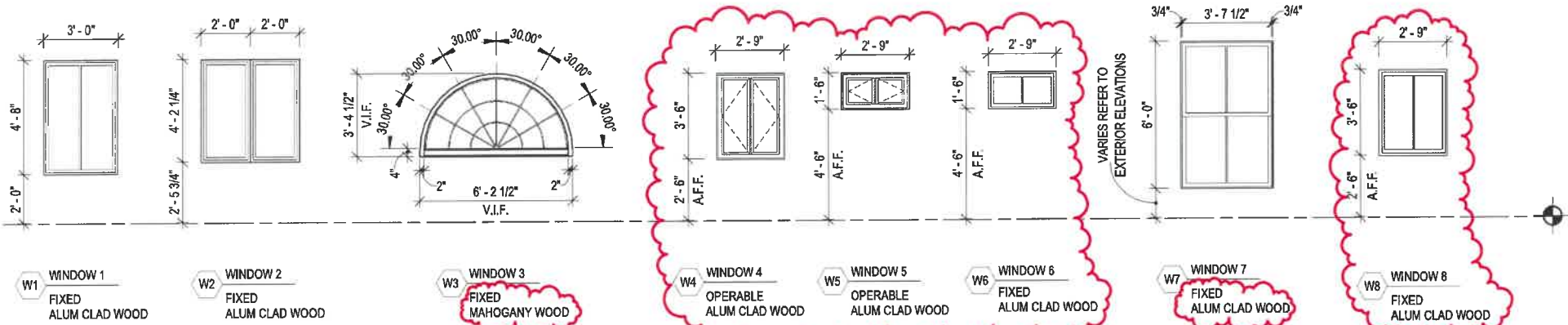
11 **VIGNETTES**
3 PLEASANT STREET at BRICK MARKET

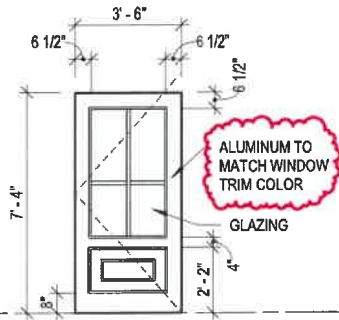
SCALE:
 HDC REVISIONS

April 17, 2020

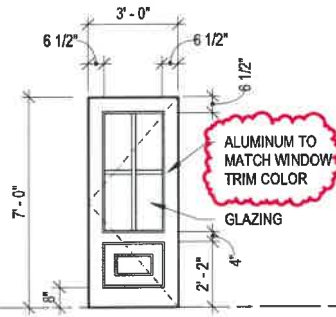
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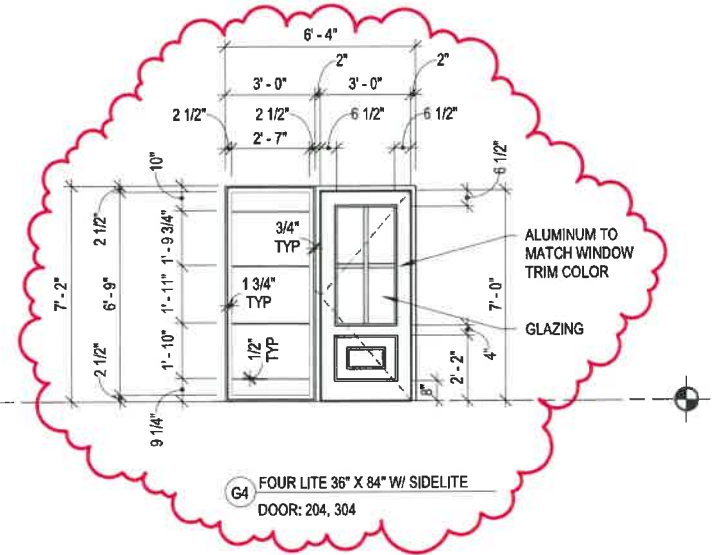




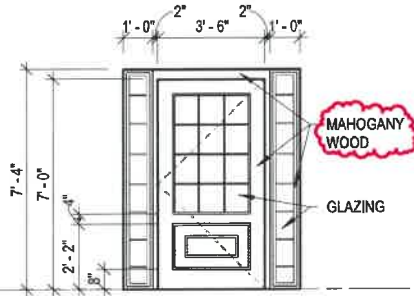
G4 FOUR LITE 42" X 88"
DOORS: 103, S201B



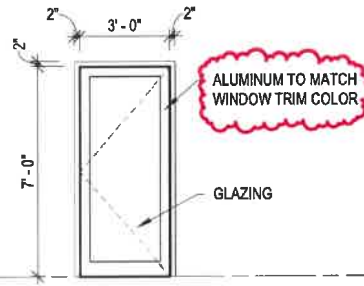
G4 FOUR LITE 36" X 84"
DOOR: 405



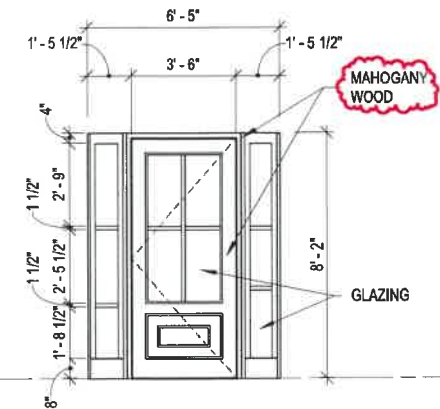
G4 FOUR LITE 36" X 84" W/ SIDELITE
DOOR: 204, 304



G12 TWELVE LITE - WITH SIDELITES
DOOR: 109B

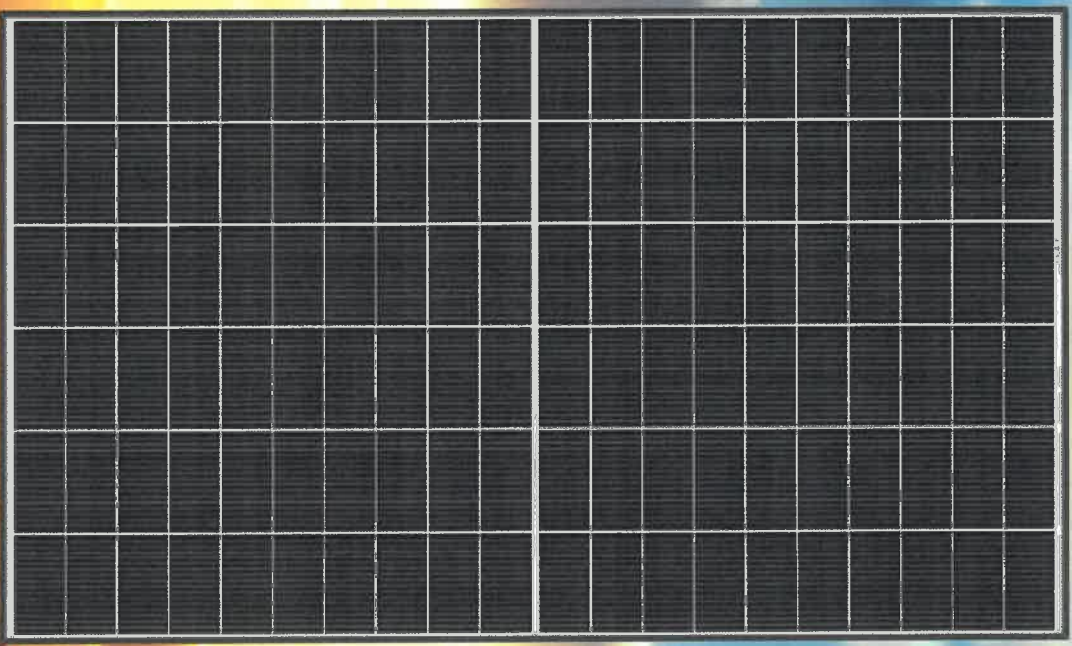


S STOREFRONT
DOORS: 404, 409, 411



G4 CURVED ENTRY DOOR - WITH SIDELITES AND TRANSOM
DOOR: 100

SOLAR'S MOST TRUSTED



REC ALPHA SERIES

380
WP
POWER

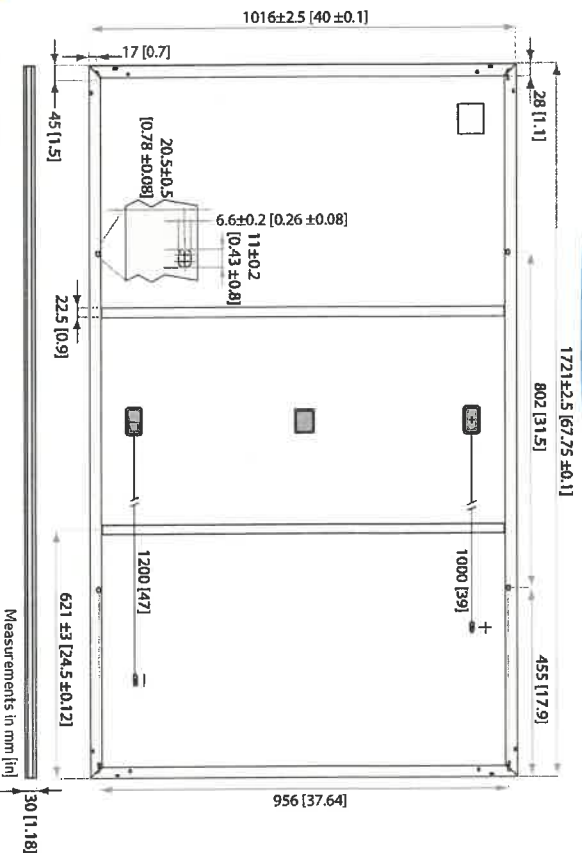


ELIGIBLE FOR

EXPERIENCE
α
PERFORMANCE

REC ALPHA SERIES

PRODUCT DATASHEET



GENERAL DATA

Cell type:	120Half-cut cells with REC heterojunction cell technology 6 strings of 20 cells in series	Connectors:	StäubliMC4PV4KBT4/KST4, 12AWG(4mm ²) In accordance with IEC 62852 IP68 only when connected
Glass:	0.13 in (3.2 mm) solar glass with anti-reflections surface treatment	Cable:	12AWG(4mm ²) PV wire, 39+47 in (1+1.2 m) In accordance with EN50618
Backsheet:	Highly resistant polymeric construction	Dimensions:	67.8x 40 x 1.2 in (1721 x 1016 x 30 mm) 18.8 sq ft (1.75 m ²)
Frame:	Anodized aluminum (black)	Weight:	43 lbs (19.5 kg)
Junction box:	3-part, 3bypass diodes, IP67 rated in accordance with IEC 62790	Origin:	Made in Singapore

ELECTRICAL DATA

Product Code: RECxxxxAA

Power Output - P _{max} (Wp)	360	365	370	375	380
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V _{MPP} (V)	36.7	37.1	37.4	37.8	38.1
Nominal Power Current - I _{MPP} (A)	9.82	9.85	9.9	9.94	9.98
Open Circuit Voltage - V _{oc} (V)	43.9	44	44.1	44.2	44.3
Short Circuit Current - I _{sc} (A)	10.49	10.52	10.55	10.58	10.61
Power Density (W/sqft)	19.15	19.41	19.68	19.94	20.21
Panel Efficiency (%)	20.6	20.9	21.2	21.4	21.7

NMOT

Power Output - P _{max} (Wp)	274	278	282	286	289
Nominal Power Voltage - V _{MPP} (V)	34.6	35.0	35.2	35.6	35.9
Nominal Power Current - I _{MPP} (A)	7.93	7.96	8.00	8.03	8.06
Open Circuit Voltage - V _{oc} (V)	41.4	41.5	41.6	41.6	41.7
Short Circuit Current - I _{sc} (A)	8.47	8.50	8.52	8.55	8.57

Values at standard test conditions (STC: air mass AM1.5, irradiance 1075W/sq ft (1000W/m²), temperature 77°F (25°C), based on a production spread with a tolerance of P_{max} ±V_{oc} ±I_{sc} ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800W/m², temperature 69°F (20°C), windspeed 3.3 ft/s (1m/s). *Where xxx indicates the nominal power class (P_{max}) at STC above.

CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 1703, UL 61730	PID
IEC 62804	Salt Mist
IEC 61701	Ammonia Resistance
IEC 62716	Fire Type Class 2
UL 1703	Dynamic Mechanical Load
IEC 62782	Hailstone (35mm)
IEC 61215-2:2016	Cyclic Wind Load
AS4040 2 NCC 2016	
ISO14001:2004, ISO 9001:2015, OHSAS18001:2007, IEC 62941	

WARRANTY

Standard	REC ProTrust
Installed by an REC Certified Solar Professional	No Yes Yes
System Size	All <25 kW 25-500 kW
Product Warranty (yrs)	20 25 25
Power Warranty (yrs)	25 25 25
Labor Warranty (yrs)	0 25 10
Power in Year 1	98% 98% 98%
Annual Degradation	0.25% 0.25% 0.25%
Power in Year 25	92% 92% 92%

See warranty documents for details. Conditions apply.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000V
Design load (+): snow	4666Pa (97.5 lbs/sq ft)*
Maximum test load (+):	7000 Pa (146 lbs/sq ft)*
Design load (-): wind	2666 Pa (55.6 lbs/sq ft)*
Maximum test load (-):	4000 Pa (83.5 lbs/sq ft)*
Max series fuse rating:	25A
Max reverse current:	25A

* Calculated using a safety factor of 1.5
See installation manual for mounting instructions

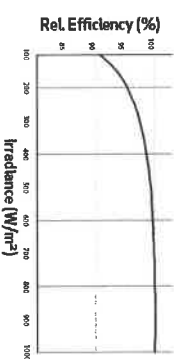
TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44°C (±2°C)
Temperature coefficient of P _{max} :	-0.26 %/°C
Temperature coefficient of V _{oc} :	-0.24 %/°C
Temperature coefficient of I _{sc} :	0.04 %/°C

*The temperature coefficients stated are linear values

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs around 2,000 people worldwide, producing 1.5 GW of solar panels annually.



www.recgroup.com



SUNMODO

OWN THE ROOF



SunModo offers the next generation Flat Roof Mount System with SunTurf™. The streamlined design is robust, versatile, and specially engineered for multiple configurations.

By spanning over roof obstructions, the system takes full advantage of the available roof surface thereby maximizing the PV system size and increasing your ROI.

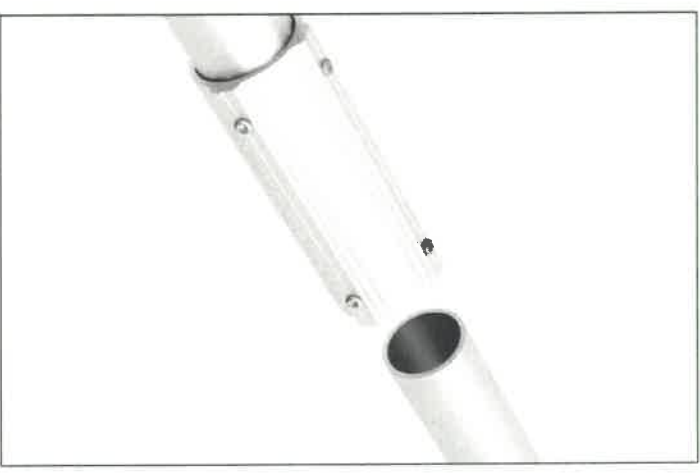
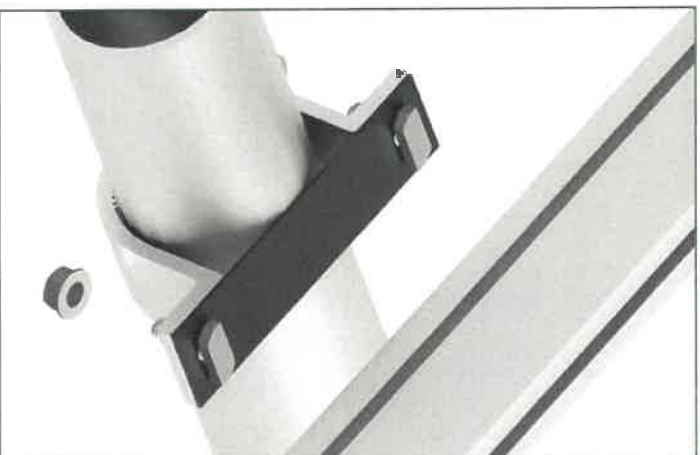
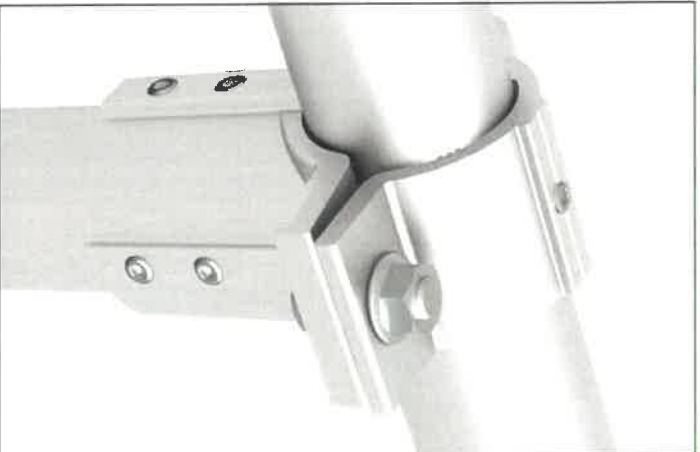
The SunTurf™ Roof Mount Advantage

- ✓ Elevated solar arrays to maximize roof space and system size.
- ✓ Easy access to roof surfaces for maintenance and repair.
- ✓ Components optimized for strength, durability and fast installation.
- ✓ Easily scalable from kilowatts to multimegawatts PV Arrays.
- ✓ UL 2703 Listed by Intertek.

Key Features of SunTurf™ Ground Mount System



The SunTurf™ flat roof system is perfect to elevate above obstructions such as HVAC, Pipes and Vents. The streamlined design combines the simplicity of a pipe-based system with next-level engineering. No drilling is required to attach the aluminum rails to the horizontal pipe. The system can be easily adjusted to account for multiple roof pitches on site.



Technical Data

Application	Flat Roof
Material	High grade aluminum, galvanized steel and 304 stainless steel hardware
Module Orientation	Portrait and landscape
Tilt Angle	Range between 10 to 50 degrees
Mounting Options	Wood roof joists, metal beams and concrete roof surfaces
Structural Integrity	IBC compliant, stamped engineering letters available
Certification	UL 2703 Listed by ETL
Warranty	20 Years



758 WESTBROOK STREET
SOUTH PORTLAND, ME 04106
(207)-221-6342

CLIENT:

3 PLEASANT ST

PROJECT ADDRESS:

3 PLEASANT ST,
PORTSMOUTH NH

SYSTEM TYPE:

BALLASTED ROOFTOP
PHOTOVOLTAIC ARRAY

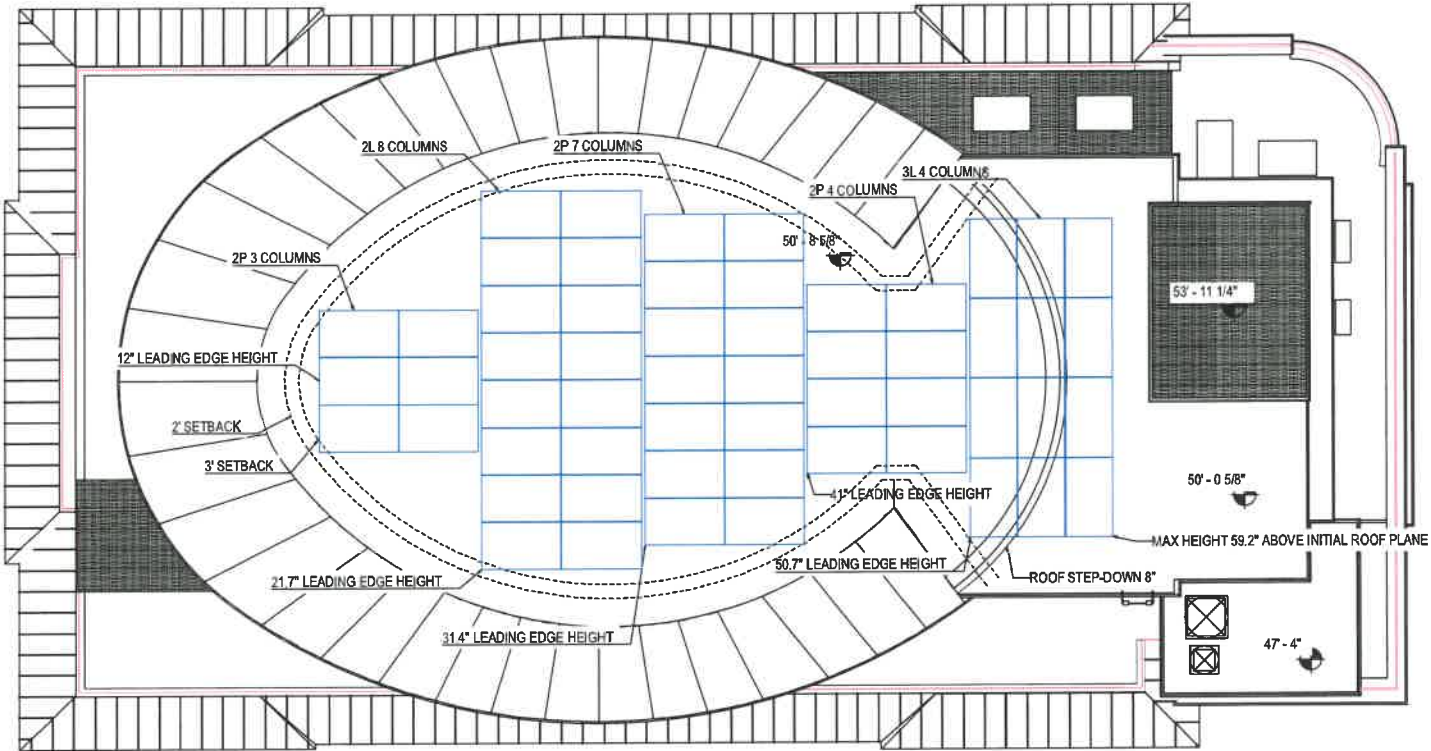
NOT FOR CONSTRUCTION

DATE	DESCRIPTION	BY

DESIGNED BY: SPJ
 PRINTED BY: BK 3 31
 SCALE: 1/4" = 1'-0"
 DATE: APRIL 15, 2019

PROJECT NAME:
 S00

© COPYRIGHT REVISION ENERGY
 THIS DRAWING IS PROVIDED AS IS



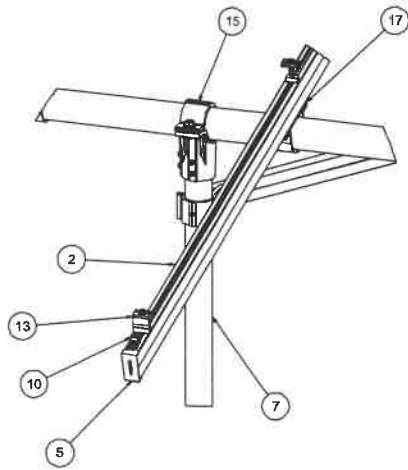
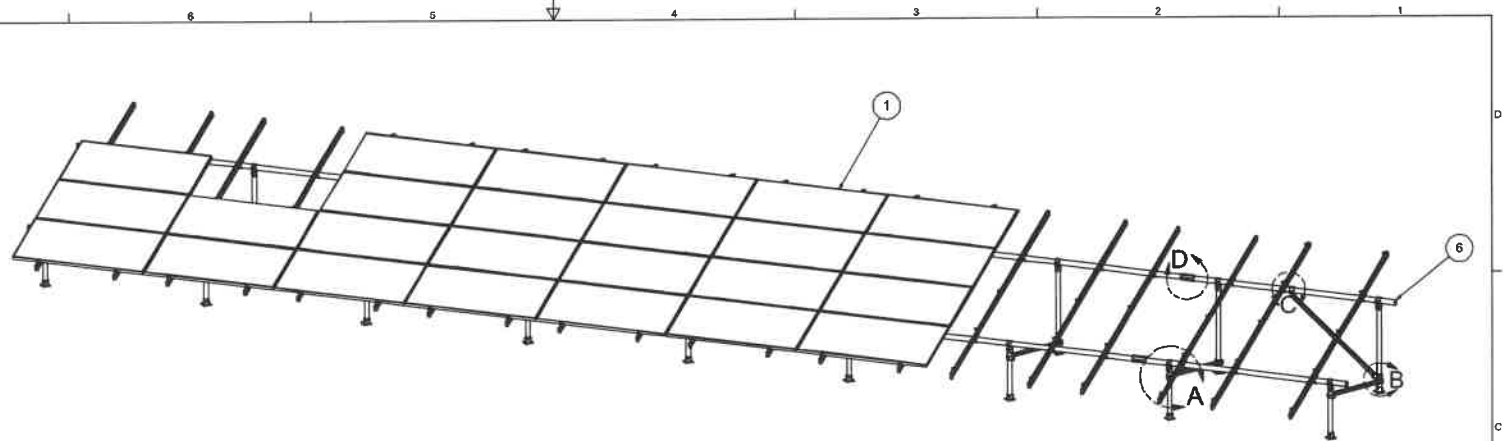
CONTINUOUS 4 DEGREE PITCH ACROSS FIVE SUB-ARRAYS
 WITH 3" BETWEEN EACH SUB-ARRAY.

SYSTEM SUMMARY			
DC SYSTEM SIZE	20.160 KW DC		
AC SYSTEM SIZE	8.000 KW AC		
PROJECT TYPE	ROOF MOUNT		
TILT / AZIMUTH	4° / 251°		

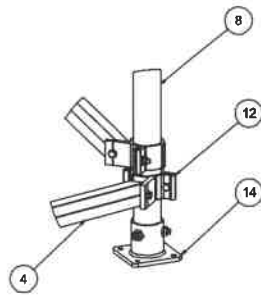
EQUIPMENT SUMMARY		
ITEM	DESCRIPTION	QTY
MODULE	REC360AA (360W)	56
INVERTER	SOLAREDDGE SE9KLS	2
OPTIMIZER	SOI ARRIDGE P370	56
RACKING	SUNMODE SUNTURF	-

NOTES: UNLESS OTHERWISE SPECIFIED

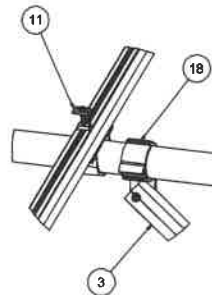
1. THIS DRAWING IS NOT FOR CONSTRUCTION UNTIL ENGINEERING HAS REVIEWED AND STAMPED THIS DOCUMENT.
2. DIMENSIONS SHOWN ARE INCHES.
3. THE SELF-BONDING SYSTEM AND SINGLE GROUND LUG IS FOR USE WITH PV MODULES THAT HAVE A MAXIMUM SERIES FUSE RATING OF 30A.
4. MATERIALS ARE AS SPECIFIED OR EQUIVALENT:
HARDWARE: 304 STAINLESS STEEL
FABRICATED EXTRUDED PARTS: 6005-T5 ALUMINUM ALLOY
FABRICATED DIE CAST PARTS: ANSI/AA A380 ALUMINUM ALLOY
STEEL PIPE: SCHEDULE 40 GALVANIZED
ALUMINUM PIPE: SCHEDULE 10 ANODIZED
5. THE MAXIMUM PERMISSIBLE LENGTH OF ANY STRUCTURE SHALL BE 200 FT. FOR SYSTEMS USING A SHARED RAIL CONFIGURATION, A THERMAL BREAK IS REQUIRED IN THE RAIL EVERY 40 FT. PER THE DRAWING DETAILS.
6. 4LX10-7M-15DEG-STR.
7. 4 OF 4 ARRAYS TYPE.
8. 1 ARRAY TOTAL



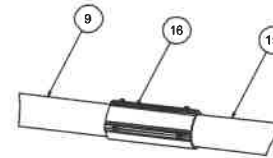
DETAIL A



DETAIL B



DETAIL C

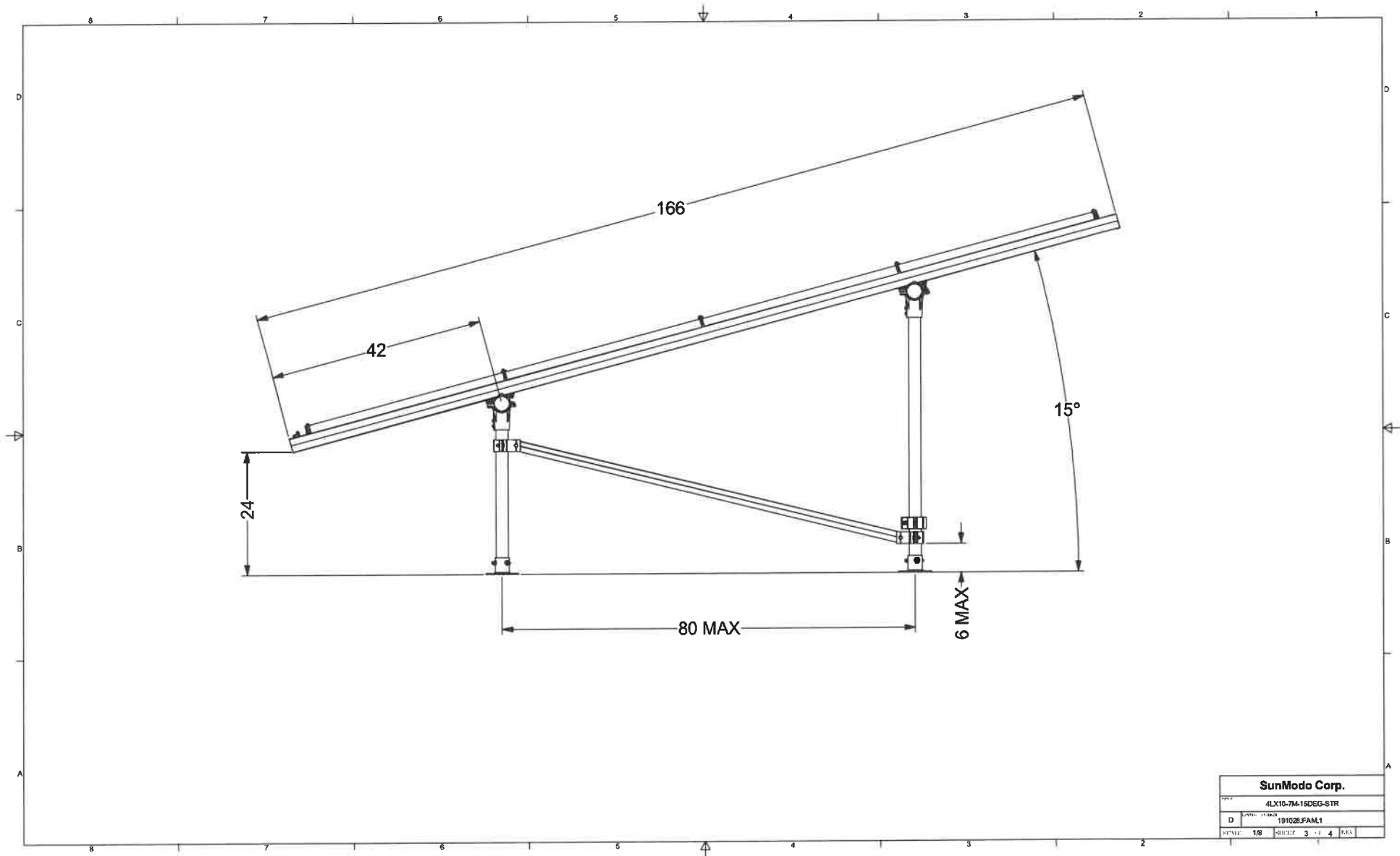


DETAIL D

19	A21168-124	PIPE, HSS, 2.875" OD X 12 GAUGE, L=124	2
18	K10222-001	2.5" PIPE CLAMP KIT	2
17	K10343-004	2.5" AL PIPE U-BOLT KIT	40
16	K10342-001	2.5" PIPE SPLICE KIT	8
15	K10341-001	2.5" PIPE TEE KIT	18
14	K10268-005	2.0" GALVANIZED PIPE BASE KIT	16
13	K10224-140	END CLAMP KIT WITH COLLAR	40
12	K10219-001	2" AL PIPE CLAMP KIT	20
11	K10180-001	GROUNDING MID-CLAMP KIT WITH T COLLAR BOLT AND GROUNDING BASE	46
10	K10179-001	SELF-GROUNDING LUG KIT	10
9	A21168-166	PIPE, HSS, 2.875" OD X 12 GAUGE, L=166	8
8	A21165-053	PIPE, HSS, 2.375" OD X 12 GAUGE, L=53	9
7	A21165-031	PIPE, HSS, 2.375" OD X 12 GAUGE, L=31	9
6	A20380-001	2.5" PIPE END CAP	4
5	A20297-001	END CAP HR300 GRAY	40
4	A20164-078	1.5X2 AL TUBE BRACE, L=78	9
3	A20164-086	1.5X2 AL TUBE BRACE, L=86	2
2	A20288-186	RAIL HR300/SUNTURF, L=186	20
1		PANEL:1970X990X40mm	33
ITEM	PART NUMBER	DESCRIPTION	QTY

4LX10-7M-15DEG-STR
 191028.FAM.1
 SCALE 1/32 SHEET 1 of 4

THIS DRAWING IS CONFIDENTIAL PROPERTY OF SUNMODO AND ITS CONTENTS MAY NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF SUNMODO CORP.



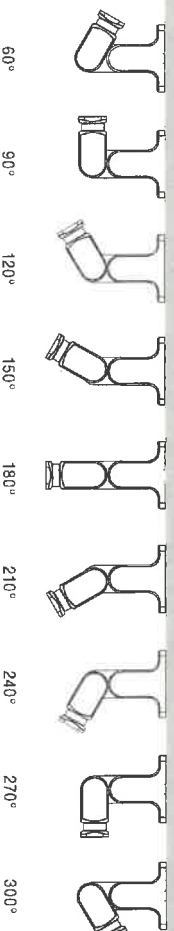
SunModo Corp.			
TYPE	4LX10-7M-15DEG-STR		
D	DATE	191028.FAM.1	
SPAC	1/8	SHEET	3 OF 4 MAX



Q-ANGLE ACCESSORIES - EXTRUSIONS/FIXTURES

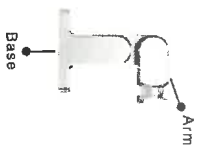
PRODUCT **Q-ANGLE**
QUANTITY

Sold in pairs

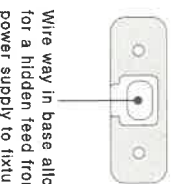


FEATURES

- Mounting accessory for Q-Tran Extrusions
- Offset lighting to illuminate signs, artwork, etc
- Free moving rotating head which can be locked into specific angles
- Preset dial notches for easy adjustments from 60° to 300°
- Wall, ceiling, or floor mounted
- Indoor/Outdoor use

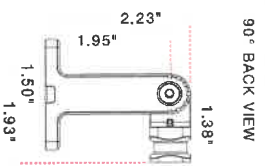


Phillips screw to lock in specific angle

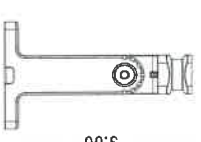


Wire way in base allows for a hidden feed from power supply to fixture

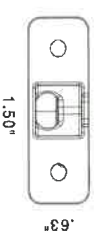
DIMENSIONS



90° BACK VIEW

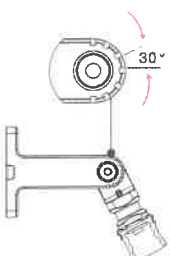
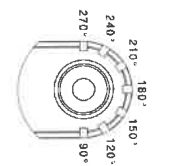


180° BACK VIEW



BASE: BOTTOM VIEW

ANGLE DIAL MARKINGS



FINISH COLOR: BLACK

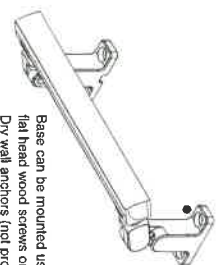
COMPATIBLE PRODUCTS

Extrusions: ALL

Fixtures: BOXA, KUNY, ZALA

WEIGHT LIMIT

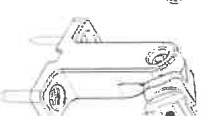
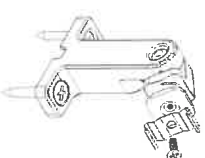
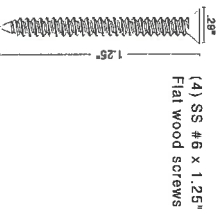
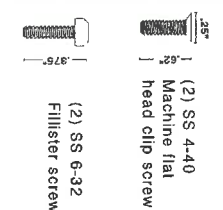
6lbs. per Q-ANGLE



Base can be mounted using flat head wood screws or Dry wall anchors (not provided).

INCLUDED PARTS

- 2 Q-ANGLE Assembly
- 4 SS #6 x 1.25" Flat head wood screws
- 2 SS 4-40 Flat head clip screw
- 2 SS 6-32 Fillister screw



SS 4-40 Flat head clip screw
Extrusion Mounting Clip*
SS #6 x 1.25" Flat head wood screws

*Mounting clips included with Extrusions. All clips are compatible with Q-Angle. Squeeze clips to ensure tightness.

NOTES: • Field modifications are not covered under Q-Tran warranty

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



V/MATTS	RATED	CCT - LUMENS/CRI	² CONNECTOR/ WIRE IN	² CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
SW24/1.5	WET	30	BW	N/A	VARIOUS
Voltage: 24 VDC Wattage: 1.5 W/ft					
DRY	DRY	20 - 2000K 144/94 22 - 2200K 149/96 24 - 2400K 154/97	¹ BW	¹ BW	¹ 7-68" OR ² MATCH Matches EXT length ordered
			¹ BRL	¹ BRL	¹ Increments
			¹ CLS	¹ CLS	¹ Increments
DMP	DMP	24 - 2400K ***/94 27 - 2700K 130/96 30 - 3000K 138/98	¹ BW	¹ BW	¹ 180" OR ² MATCH Matches EXT length ordered
			¹ BRL	¹ BRL	¹ Increments
			¹ CLS	¹ CLS	¹ Increments
ENC	ENC	40 - 4000K 154/95	¹ BW	¹ BW	¹ Increments OR ² MATCH Matches EXT length ordered
			¹ BRL	¹ BRL	¹ Increments
			¹ CLS	¹ CLS	¹ Increments
WET	WET	20 - 2000K 123/94 22 - 2200K 128/96 24 - 2400K 131/95	¹ BW	¹ BW	¹ 180" OR ² MATCH Matches EXT length ordered
			¹ BRL	¹ BRL	¹ Increments
			¹ CLS	¹ CLS	¹ Increments
WET	WET	27 - 2700K 131/94 30 - 3000K 141/94 35 - 3500K 155/94 40 - 4000K 161/95	¹ BW	¹ BW	¹ 180" OR ² MATCH Matches EXT length ordered
			¹ BRL	¹ BRL	¹ Increments
			¹ CLS	¹ CLS	¹ Increments

ENC RATED STRIP ARE NOT FIELD OUTTABLE

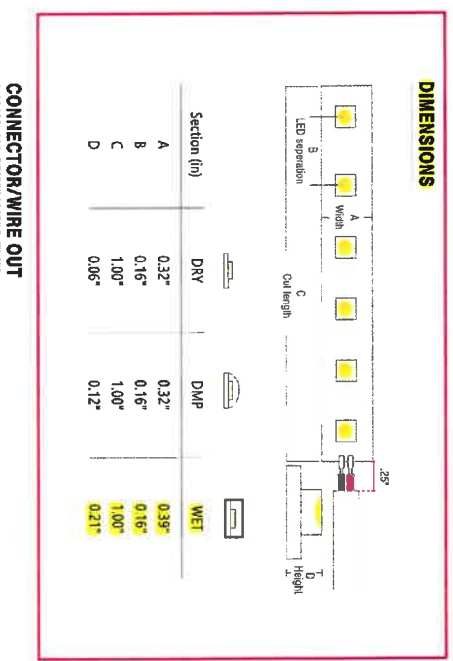
NOTES:

- Field modifications must comply with Q-Tran's installation methods otherwise warranty is null and void
- All data has +/- 5% tolerance
- 6 year warranty
- NETL Listed for install in Storage Areas with Chilling, NEC Field 410.2 and 410.16
- When assembled as a fixture, at Q-Tran facility (Not applicable for encapsulation)
- Title 24 - J48-2016 Strip: Dry rated, 2200K and above

TECHNICAL INFORMATION (L70 = 30000 HRS)

*Tested with SW24/1.5-DRY

CCT	Lumen/ft	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
2000K	144	94	64	89	104
2200K	149	96	93	95	103
2400K	154	97	94	95	102
2700K	163	97	98	95	102
3000K	172	98	98	94	101
3500K	179	98	98	92	101
4000K	173	95	86	89	100



CONNECTOR/WIRE OUT

CONNECTOR/WIRE IN

¹ BW	BRL	CLS
Bare Wire 24"	Male Barrel 6"	Not soldered DRY ONLY

CONNECTOR/WIRE OUT

¹ BW	BRL	CLS
Bare Wire 24"	Female Barrel 6"	Not soldered

COMPATIBLE EXTRUSIONS

SLIM	WIDE	ROUND	VEGA	TORO	TRES	LALO	ARKA	TELA	VEVE	FLUR	LATO	MDIN
<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> ENC	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> ENC	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> ENC	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> ENC	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> DRY <input checked="" type="checkbox"/> DMP <input checked="" type="checkbox"/> WET

PROJECT NAME _____ DATE _____ COMPANY _____ TYPE _____ NOTE _____

The Brightest Idea is Emergency Lighting

GENERAL DESCRIPTION

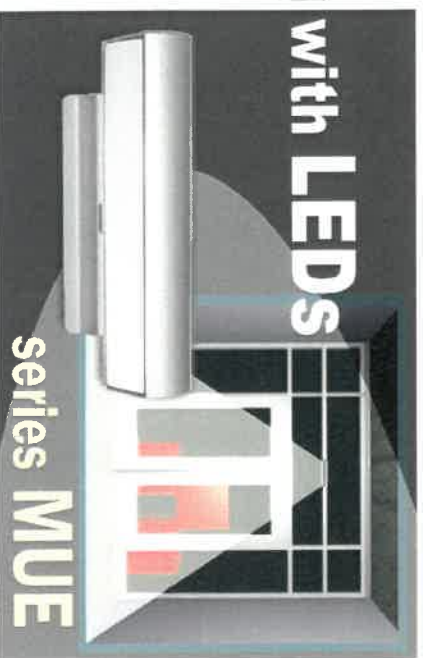
Operating in emergency mode or optional normal-on, this fixture is designed to mount directly on structural mullion beams used in typical glass-fronted entrances, with vertical surface as small as 2". This fixture has full 90° cut-off and will provide efficient emergency lighting in front of egress doorways, or along extended pathways.

CONSTRUCTION

- Rugged extruded aluminum housing with stainless hardware is corrosion proof.
- Wet location listed UL 924. Certified IP66.
- Uniform, high brightness lighting over the path of egress.
- Full 90° cut-off.
- Three versions are available:
 - RE**= Central Battery System Series CBS or other qualified source 12V- 24 VDC.
 - BB**= Battery backup from Remote Battery Supply Series RPS.
 - AC**= 120/ 277 VAC supply.

ELECTRONICS

- Dual operation from either a battery or optional normally on power source.
- Lamps are connected in parallel-series strings, as required to meet requirements of NEC and Life Safety Codes. Lighting continues even after failure of One lamp or circuit.
- LED color temperature standard 5300K; available color temperatures from 2900K, 3200K, to 3800K.



ENERGY EFFICIENT OPERATION

- Dual function operation for optional normally on night or security lighting as well as emergency lighting.
 - Very low power consumption in optional night/ security mode. The security lighting circuit is independent of emergency lighting and may be switched manually, by an exterior photocell, or other automatic means.
 - Over 50,000 hour lamp life in normal use.
 - IES photometric data available for all models.
- ## CODES
- Manufactured and tested to UL Standard 924 and NFPA Life Safety Code 101.

WARRANTY

- 5 year total customer satisfaction warranty. For Details see product catalog technical data section.

FIGURE SCHEDULE

MODEL	CATALOG NO
APPROVAL	JOB INFORMATION



Moonlite LED®
LED Outdoor Egress Emergency with Night Lighting Option

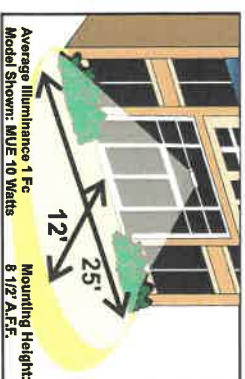
Mullion Mount Emergency Light Series MUE

SUGGESTED SPECIFICATIONS:

Supply and install the MOONLITE LED Series MUE Mullion Mount emergency lighting fixture manufactured by Signtex Lighting Inc. The MUE assembly shall be listed for installation in wet locations in compliance with UL 924 and IP66 standards and shall be capable of operating from Signtex remote power supply Series RPS, the Signtex central battery system Series CBS, or from other remote power sources supplying 12-24 VDC or VAC. Upon loss of AC building power, emergency models shall operate for a minimum of 90 minutes in compliance with UL Standard 924 and NFPA150C 101.

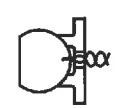
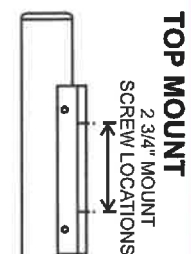
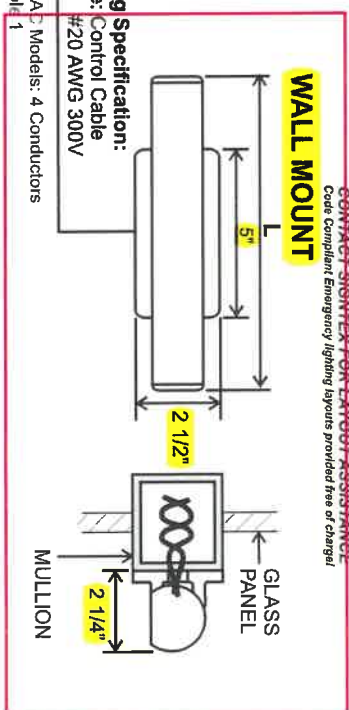
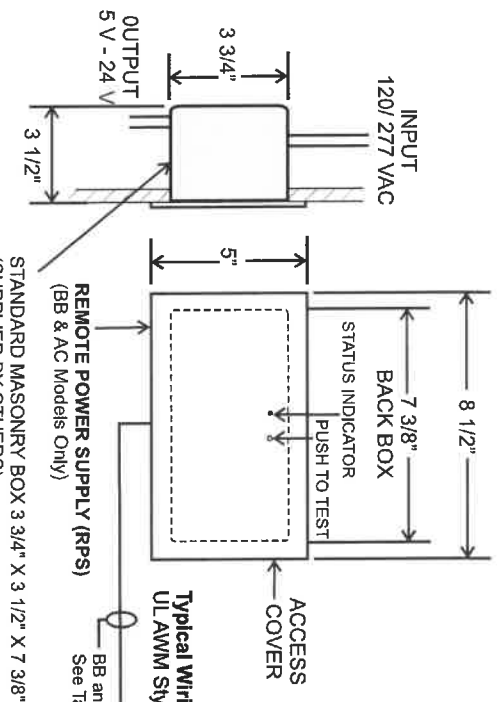
SPACING GUIDE

MUE 5.18.15



Average Illuminance 1fc
 Model Shown: MUE 10 Watts
 Mounting Height: 8 1/2" A.F.F.
 NOTE: FOR REFERENCE ONLY; STANDARD REFLECTANCES 80/50/20; SIGNTEX IS NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS.
CONTACT SIGNTEX FOR EXACT SPACING
 Code Compliant Emergency lighting layouts provided free of charge!

MOUNTING DATA & DIMENSIONS:



STANDARD MASONRY BOX 3 3/4" X 3 1/2" X 7 3/8"
 (SUPPLIED BY OTHERS)
 TYPICAL STOCK MODELS:
 CROUSE HINDS #TTP693
 RACO # 698

TABLE 1

MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE		LENGTH TABLE	
WIRING SIZE AWG	LENGTH (FT)	POWER	L
#18	MUEBB	25	10"
#16		50	19"
#14		75	
#12		125	

*RE & AC Models Only

SECURITY LIGHTING CONTROL

RE Models: Requires SEC Option 'S' with CBL
BB Models: Requires Option '-SB120' for connection to 120 VAC
 Requires Option '-SD277' for connection to 277 VAC
BB-DG Models: Requires Option '-SD' for connection to 120/ 277 VAC

RPS SELF-TEST DIAGNOSTIC FUNCTIONS

BB MODELS WITH DG FUNCTION

STATUS	LED DISPLAY
NORMAL FULL CHARGE	GREEN ON
NORMAL PAST CHARGE	ORANGE ON
FAILED BATTERY	RED FLASH FAST
FAILED LAMP	GREEN FLASH
FAILED TRANSFER	ORANGE FLASH
FAILED CHARGER	RED FLASH SLOW

FIGURE ORDERING INFORMATION: EXAMPLE: MUEBB10AW-DG MUE BB 10 A W -DG

MODEL SERIES	OPERATION	POWER	HOUSING COLOR	MOUNT	OPTIONS
MUE	RE= Central Battery or other 12- 24 VDC Remote Source BB= Battery Backup (Includes RPS) AC= No Battery (Includes RPS)	10= 10 Watts Emergency & Normal On Power 20= 20 Watts Emergency & Normal On power (RE & AC Models Only)	W= Satin White A= Aluminum B= Dark Bronze X= Custom	T= Top W= Wall	DG= Self-Test Diagnostics (BB Models Only) SB120= Security Lighting with Control Switch for Standard BB Operation (120V) SD277= Security Lighting with Control Switch for Standard BB Operation (277V) SD= Security Lighting with Control Switch for BB Operation with DG option (120/ 277V) CW1= Custom Window Filter- 3800K CW2= Custom Window Filter- 3200K CW3= Custom Window Filter- 2900K DAC= Dual AC Input 2HT= 2" Canopy Height 5HT= 5" Canopy Height

SUITABLE FOR WET LOCATIONS
 AMBIENT TEMPERATURE LIMITS:
 -40° C to +50° C

DISTRIBUTOR:

Specifications and Dimensions subject to change without notice.



Project Name

Fixture Type

ZXL16-CAT

LED Catenary . ZXL16 Series



Product Features

- A unique catenary system including fixtures, turnbuckle, suspension cable, power cable for outdoor or indoor illumination.
- ETL outdoor wet location listed. IP65 standard.
- Machined from solid billet 6061-T6 corrosion resistant aluminum.
- Modular components - field changeable LED module & beam spread reflectors.

Specification

Materials: Machined from billet 6061-T6 corrosion resistant aluminum with 304 stainless steel hardware. Available in 304/316 stainless steel or 360 brass upon request.

Glare Shield: 3 optional glare shields(GSL-1long, GSA-angled GSS-short) for additional glare control. See page 3 for details.

Fixture Weight: 1lb.

Voltage: 12V AC/DC. Requires remote step down transformer.

Wattage: 5, 7 or 10W HK LED.

Dimmability: MLV or ELV.

Light Source: CRI 83. Available in CRI95 upon request. The chromaticity range is within a 3-step MacAdam Ellipse. Standard CCT options are 2700K, 3000K, 4000K.

Lamp Base / Socket: Innovative cone-shaped lamp base and receptacle socket maximize the surface contact area to dissipate heat more effectively. See "Resources" for details.

Finish: Polyester powder coat on all aluminum materials with RoHS compliant procedures. Anodized finish is available. Stainless steel and brass models are provided with brushed surface.

Optical Accessories: Accepts up to 3 accessories (hexcel louver, optical lenses, dichroic color filters, etc.). Secured in place with metal snap ring.

Mounting Method: Custom hook mechanism on top of fixture that utilizes set screws to secure fixture(s) on the suspension cable and to lock the position of fixture on the cable.

Turn Buckle(Optional): Allows fine tuning of the tension on the support cable. up to 1.50" of adjustment.

Power Cable(Optional): 18/2 STW cable, dia 0.29".

Suspension Cable(Optional): 7x7 stainless steel wire rope, maximum diameter is 5/32", capacity 450lbs.

Ordering Guide

SERIES	MATERIAL	OPTIONAL GLARE SHIELD	VOLTAGE	WATTAGE	CCT	OPTICS	FINISH	OPTIONAL SELECT UP TO 3 OPTICAL ACCESSORIES	OPTIONAL MOUNTING ACCESSORIES
ZXL16-CAT	BLANK Aluminum(Standard) NBR Natural Brass NSS Natural Stainless Steel CU Natural Copper	GSL GSA GSS	12V	5 SW 7 7W 10 10W	27 2700K 30 3000K 40 4000K	20 20° 33 33° 44 44° 57 57°	Standard BK Black Powder Coat BZ Bronze Powder Coat WT White Powder Coat Premium ABK Anodized Black ACL Anodized Clear CC Custom Powder Coat	LVR Hexcel Louver OSL Overall Spread Lens LSL Linear Spread Lens SOL Soft Focus DF Dichroic Filter	See page 3 for quick reference, or ACCESSORIES link for detailed specification.

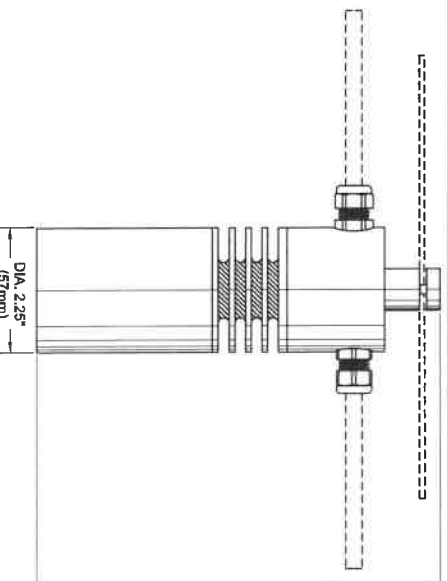
Remote Step Down Transformer for 12V fixture(Optional).

See [ACCESSORIES](#) link for detailed specification.

Model	Wattage(VA)	Primary Voltage(VAC)	Secondary Volt(VAC)	Dimming Method	Characters
TXM	20 40 50 60 100	120 or 277	12	MLV	Outdoor, Wall Mount, Compact
TXS	150	120	Multi-tap of 12, 13, 14, 15 VAC	MLV	Outdoor, Wall mount, Stainless Steel Case
IGT	50 100	120	12	MLV	In grade

Product Drawings

NOTE: Specification and dimensions subject to change without notice.



TYPE JNC-#

JNC - SUSPENDED CANTENARY LIGHTS AT ALLEYS

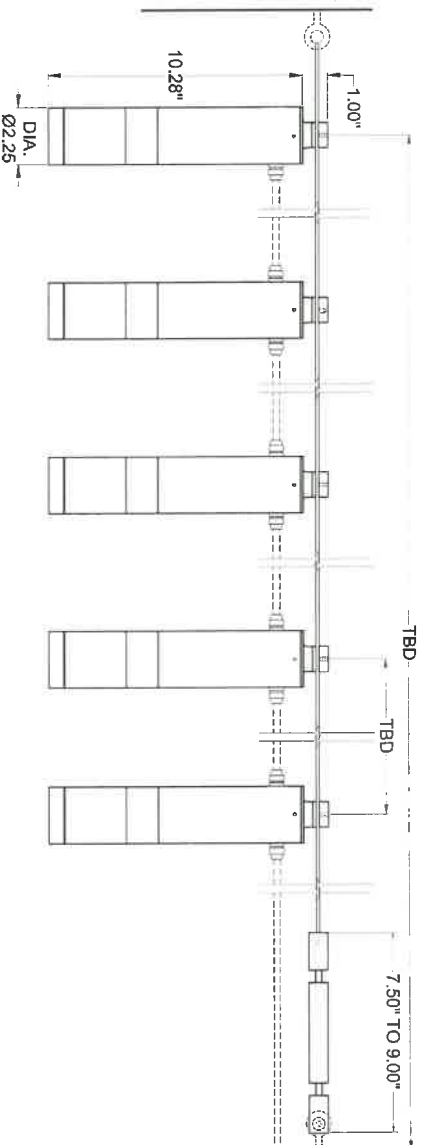
MODEL ZX116i-CAT

SUSPENSION

LED ACCENT & AREA

- The ZX16i-CAT is a very compact quality lighting solution for accent or area illumination in an architectural or landscape application. Designed with a modernist edge, it is machined from anti-corrosion silicone magnesium aluminum alloy
- Equipped with an integral LED driver this fixture is ready to go out of the box. No remote ballast required.
- Anodized finish, or polyester coating with chromate conversion substrate surface
- Ozone, aging and weather resistant silicone shore 70 and 40 O-rings are used to hermetically seal and protect the fixture
- Stainless steel hardware

1/2" AIRCRAFT CABLE by others



ZXL-16i-CAT-ACL-BK-WITH 0.5" SSWR-10 WATT-120

SPECIFICATION

NOTE: Specifications and Dimensions subject to change without notice.

MATERIAL: Housing/Cap/Stem
Machined silicone magnesium aluminum alloy (6061-T6) resistant to corrosion, stainless steel (SS304) hardware
Brass and stainless steel versions available upon request

VOLTAGE: 120 / 277 Volt AC
WATTAGE: 5 / 7 / 10Watt
LAMP: Nichia LED
COLOR TEMP.: 2700K/3000K/4000K

SERIES: ZXL **MODEL:** 16i-CAT **CODE** ZXL16i-CAT

FINISHES: Anodized

black ABK
clear ACL

Polyester coating with chromate conversion substrate surface.
black BK
bronze BZ
white WT

Custom colors available. Please provide international color code.

ORDER INFORMATION: Number sample: ZXL 16i-CAT-ACL-BK
=ZXL 16i-CAT in anodized clear finish
custom color PCC
Black

PROJECT: BRICK MARKET

TYPE: JNC-#

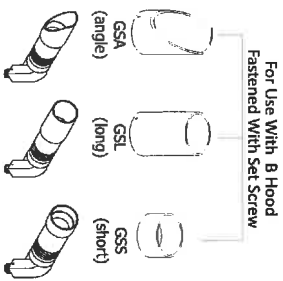


HK LIGHTING GROUP
3529 Old Conejo Road, #118
Newbury Park, CA 91320
Phone: 805.480.4881
Fax: 805.480.4811
E-mail: sales@hklightinggroup.com

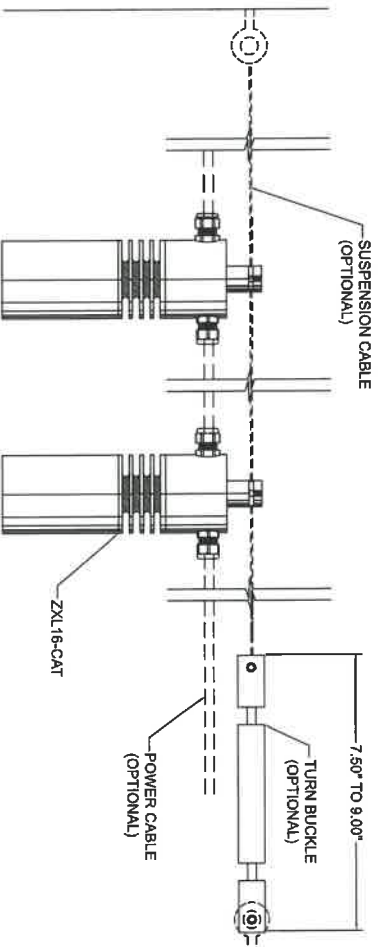


Product Options & Accessories

Optional Glare Shield



Mounting Accessories



Suspension Cable:



Power Cable:



Turn Buckle:



Notes

INTERIOR PRODUCT FEATURES
DESIGNED TO INSPIRE

- 1
RICH WOOD INTERIOR
Offers beauty and warmth with six standard wood species and ten interior finish options.
- 2
NARROW CHECKRAIL
Provides a sleek aesthetic to maximize daylight opening while maintaining historical accuracy.
- 3
DESIGN VERSATILITY
With an array of simulated divided lite patterns, interior and exterior color options, ten hardware finishes, and hundreds of roundtop sizes.
- 4
EXCLUSIVE AUTOLOCK
Activates when the sashes are closed, locking the window.
- 5
FIRST-RATE ENERGY EFFICIENCY
Meet ENERGY STAR® standards in energy efficiency with multiple glass options for various regions, climates and weather needs.
- 6
SASH BALANCE SYSTEMS
Enable smooth operation even at the largest sizes.



EXTERIOR PRODUCT FEATURES
ENGINEERED FOR PERFORMANCE

- 7
DURABLE EXTERIOR CLADDING
Made with the industry's highest level of certification, AAMA 2605, extruded aluminum and backed by a 20-year warranty against chalking and fading.
- 8
ALUMINUM INTER-LOCK
Eliminates drafts and improves the window's overall structural integrity.
- 9
EXPANSIVE SIZES
Up to 5 feet wide by 10 feet high.
- 10
TRADITIONAL SILL BEVEL
The 14-degree bevel provides optimal water management while maintaining a classic look.
- 11
SUPERIOR WEATHER PERFORMANCE
The window's performance ratings are top in class, including CW-PG30 through CW-PG50 and LC-PG50 on most sizes and IZ3 certified coastal options.

Left window shown in Cherry with Wheat stain and Antique Brass hardware.

Right window shown in Suede aluminum cladding.



CLAD COLORS

Marvin's low-maintenance, clad-wood products feature an extruded aluminum commercial-grade exterior finish for superior resistance to fading and chalking. Marvin's palette of nineteen durable colors includes a spectrum of rich colors and three fresh, pearlescent finishes.

COPPER PEARLESSENT	BRIGHT SILVER PEARLESSENT	LIBERTY BRONZE PEARLESSENT	CASHMERE	STONE WHITE	COCONUT CREAM
SIERRA WHITE	CLAY	PEBBLE GRAY	SLATE	GUNMETAL	CADET GRAY
CASCADE BLUE	HAMPTON SAGE	EVERGREEN	WINEBERRY	BAHAMA BROWN	BRONZE
EBONY					

Custom Colors: no matter what your inspiration for a custom window color, Marvin® will match it. You get any color your heart desires, with your own personal custom color name and 20-year warranty.

ANY COLOR YOU WANT

WOOD SPECIES

The Marvin® Ultimate Casement Window is available with a wood exterior of Pine, Mahogany or Vertical Grain Douglas Fir. Wood interiors are available in six species. Wood is a product of nature and will vary in color, texture and grain.



INTERIOR FINISH OPTIONS

Marvin is proud to offer six attractive stain options. Every piece of wood is put through our proprietary multi-step, integrated conditioning and staining process. As part of this process, the wood is conditioned, sanded and baked to ensure a more ideal, lasting and beautiful finish.



Note: Stain colors are shown on Pine. To see all six beautiful finishes, visit MarvinWindows.com.

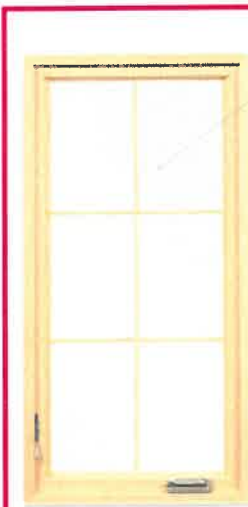
ULTIMATE CASEMENT STYLES



Casement and Picture windows with Satin Nickel hardware

FULL FRAME OR NARROW FRAME

The Ultimate Casement and Ultimate Casement Narrow Frame windows are the most versatile and innovative casement windows ever produced. Featuring concealed multi-point locks, a patented Wash Mode, and durable hardware that operates smoothly even at the largest sizes.



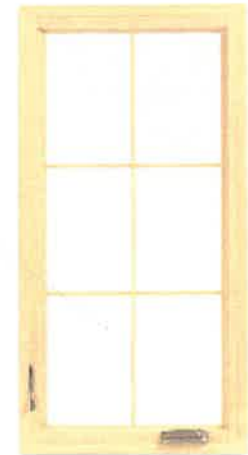
ULTIMATE CASEMENT
A recessed sash for a traditional look, plus a full jamb offers design flexibility for new construction or full frame replacement.



ULTIMATE CASEMENT
4 1/2" FULL JAMB

ULTIMATE CASEMENT NARROW FRAME
A flush sash to the exterior and narrow jamb depth make this window an easy choice for frame-in-frame replacement or more contemporary new construction applications.

JAMBS + PROFILES
The Ultimate Casement has a recessed sash for a traditional or historic look. The Ultimate Casement Narrow Frame has a flush-to-frame sash for a contemporary look.



ULTIMATE CASEMENT NARROW FRAME
2 1/4" NARROW JAMB

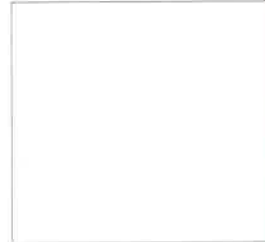
DIVIDED LITES



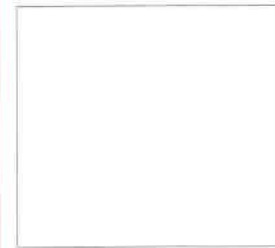
DIVIDED LITES

The look of multiple, individual panes of glass in a window sash is popular in a wide range of architectural styles—from historic replications to modern farmhouses. For those who seek historical accuracy, authentic divided lites utilize many individual glass panes in a single window. Simulated divided lites, available in a number of different styles, mimic the look of individual panes of glass in a window sash without sacrificing the energy efficiency of a single pane of glass. Our custom capabilities allow us to create almost any divided lite pattern to match your design style.

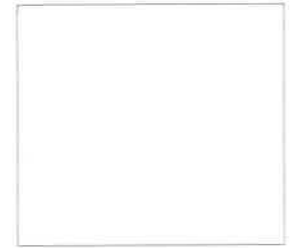
putty profile at exterior side



SIMULATED DIVIDED LITE (SDL)
SDL bars are permanently adhered to both sides of the glass. Simulated Divided Lites with Spacer Bars (SDLs) are an energy-efficient way to create the look of authentic divided lites.

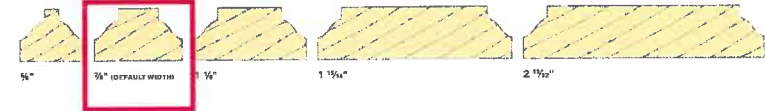


AUTHENTIC DIVIDED LITE (ADL)
Separate panes of glass are glazed between bars—the way windows have been made since the beginning. Available exclusively with wood exterior units.



GRILLES-BETWEEN-THE-GLASS (GBG)
Grilles are permanently installed between the glass panes. This low-maintenance grille offers the look of a divided lite pattern with the ease of cleaning just one pane of glass. Available with different interior and exterior colors.

FIVE STANDARD BAR WIDTHS



STICKING AND PROFILES

Sticking refers to the interior profiles of your wood window. Choose from the standard Ogee profile (used on traditional projects) or the optional clean, contemporary Square sticking.



OGEE

SQUARE



SQUARE STICKING

EXTERIOR CASINGS + SUBSILLS



Brick Mould Casing and special subsill with custom mullion cover in Hampton Sage

EXTERIOR CASINGS + SUBSILLS

Adding Marvin clad or wood casings and subsills to your windows and doors provides great architectural detail to any home. Our clad casings are made of ultra-durable extruded aluminum, which features a beautiful factory applied finish that resists chalking, fading, pitting, corrosion, and marring. Casing profiles are consistent around a window or door, except for the Potter casing profile, which has a taller head. Custom casings and subsills are also available.

at brick locations



**BRICK MOULD CASING
WITH A246 SUBSILL**



**FLAT CASING
WITH A246 SUBSILL**



**COLUMBUS CASING
WITH A1450 SUBSILL**



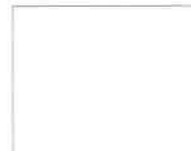
**RIDGELAND CASING
WITH A1453 SUBSILL**



**GRAYSON CASING
WITH A1451 SUBSILL**



**THORTON CASING
WITH A1450 SUBSILL**



**STRATTON CASING
WITH A1453 SUBSILL**



**POTTER CASING
WITH A217 SUBSILL**



Grayson Casing in Bronze



Potter Casing with A1451 Subsill in Cascade Blue

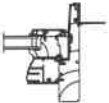
ULTIMATE CASEMENT

SECTION DETAILS - OPERATING

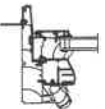
SCALE: 1=1

Retractable Screen

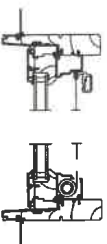
HEAD



SILL



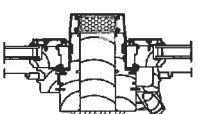
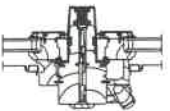
JAMB



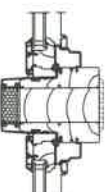
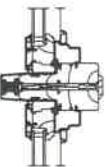
MULLIONS

3/8" MULL REINFORCEMENT SOLID SPACE
(3/8, 1, 2, 3, 4 & 6")

HORIZONTAL



VERTICAL



Mulling information (Double-click to highlight & copy/paste to browser search window):
<https://www.marvin.com/WebDoc/Marvin%20ADM%20Mulls%20All.pdf>
Interior Trim Provided for mulls up to 2"

MARVIN[®]



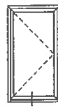
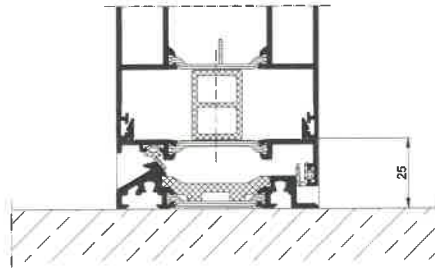
**KAWNEER - EXTERIOR ALUMINUM DOORS AT UPPER FLOOR
ROOF DECKS & BALCONIES**

AA®720 Door Systems

Full details can be downloaded from our website www.kawneer.co.uk

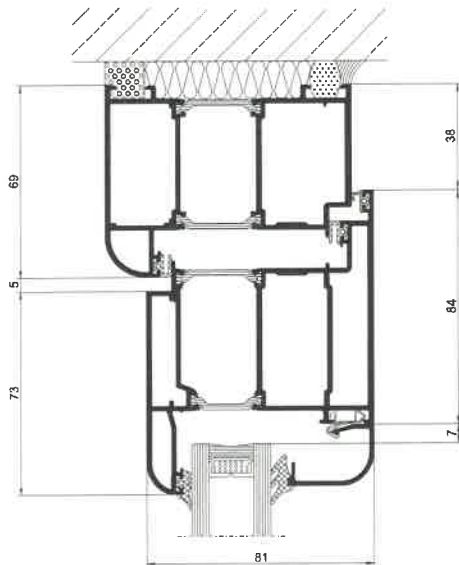
Inward Opening

Standard Door Threshold

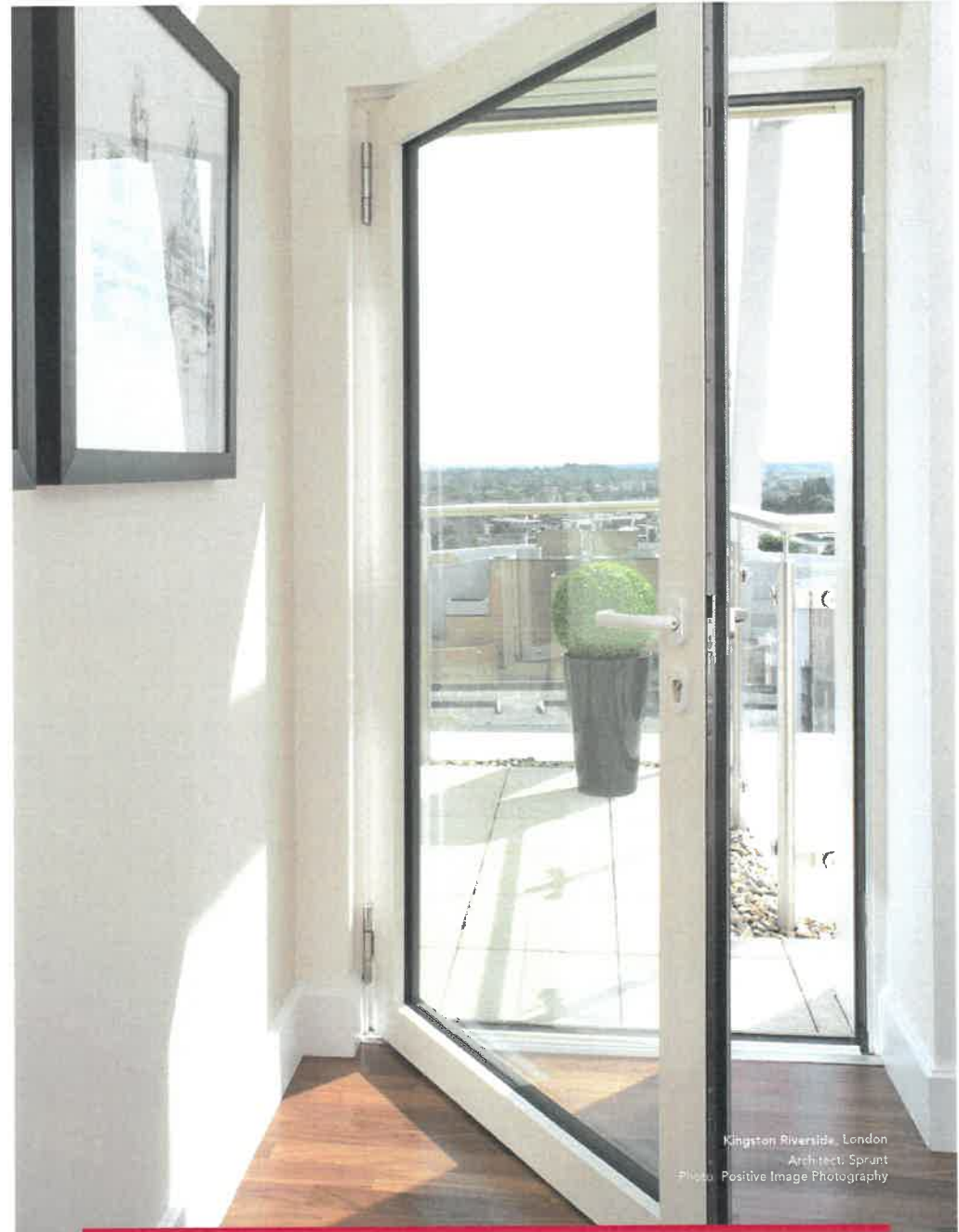


H53-01
Viewed Externally

Design Door Head Detail



H61-11
Viewed Externally

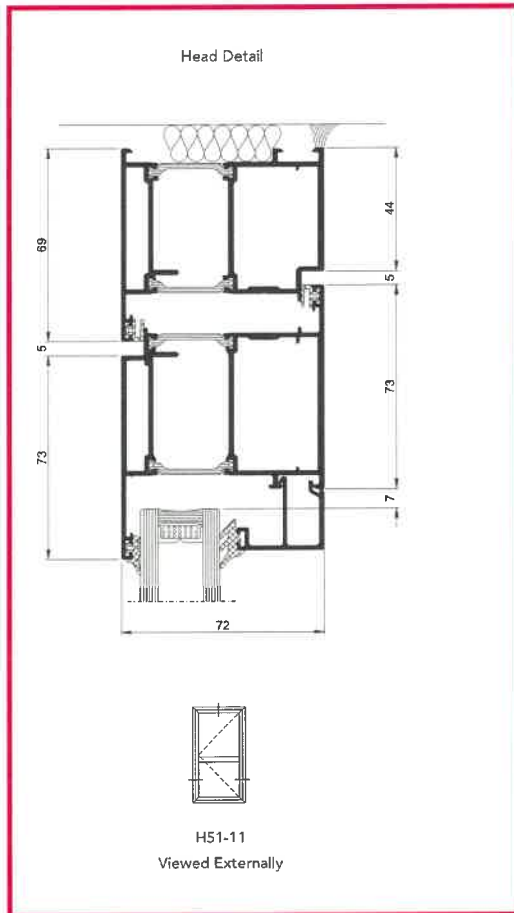


Kingston Riverside, London
Architect: Sprunt
Photo: Positive Image Photography

AA®720 Door Systems

Full details can be downloaded from our website www.kawneer.co.uk

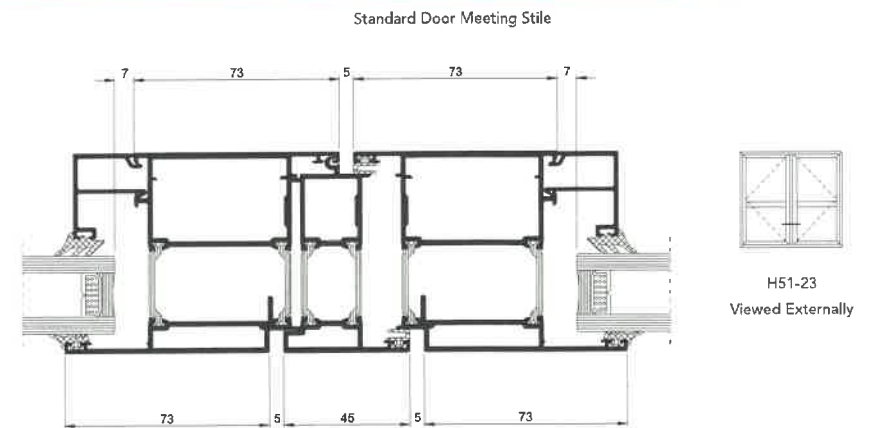
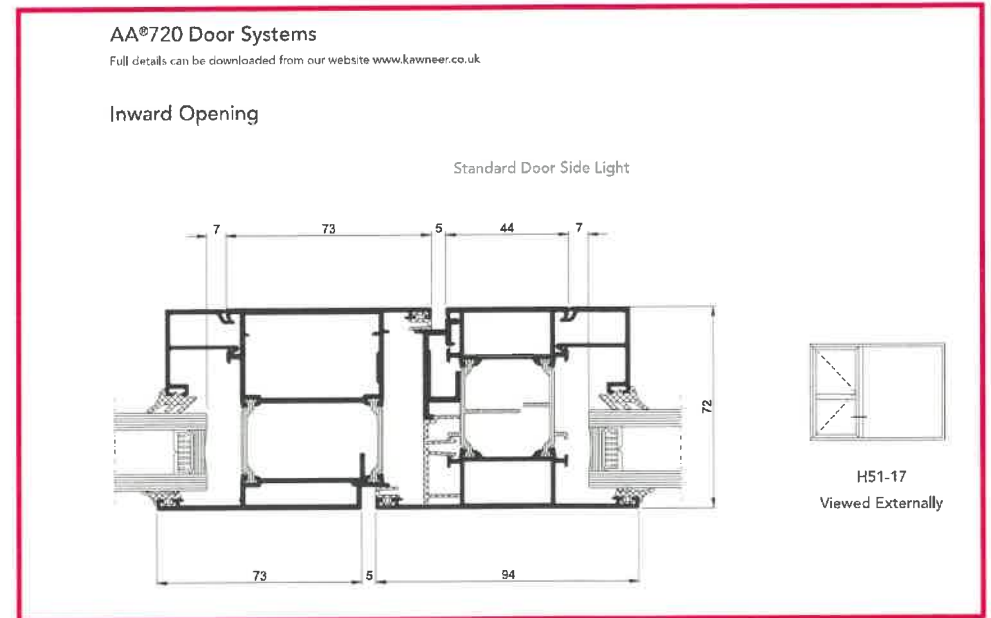
Inward Opening



AA®720 Door Systems

Full details can be downloaded from our website www.kawneer.co.uk

Inward Opening



AA®720 Door Systems

Typical Elevations

Full details can be downloaded from our website www.kawneer.co.uk

Elevation	Title	Website CAD ref. no.	
Single Leaf Door	Double Leaf Door	Open-in	Open-out
		H51-12, H51-15, H51-16	H51-11, H51-13
		H53-2, H53-6, H53-7	H53-1, H53-5, H53-7
		H51-14	H51-14
		H51-12, H51-15, H51-16	H51-11, H51-13
		H51-22, H51-32	H51-22, H51-23
		H53-4	
		H55-14, H55-15	H55-12, H55-13
		H53-2, H53-6, H53-7	H53-1, H53-5, H53-7
		H51-14	H51-14
		H51-12, H51-15, H51-16	H51-11, H51-13
		H51-22, H51-32	H51-22, H51-23
		H51-53	H51-52
		H51-15, H51-16	H51-13
		H53-2, H53-6, H53-7	H53-1, H53-5
		H51-14	H51-14
		H51-12, H51-15, H51-16	H51-11, H51-13
		H51-22, H51-32	H51-22, H51-23
		H51-18, H51-19	H51-17
		H51-20	H51-20
		H51-20, H51-21	H51-20, H51-21
		H53-8, H53-9	H53-8, H53-9
		H51-12	H51-11
		H53-2, H53-6, H53-7	H53-1, H53-5, H53-7
		H51-12	H51-11
		H51-22, H51-32	H51-22, H51-23
		H51-20	H51-20
		H51-20	H51-20
		H53-8, H53-9	H53-8, H53-9
		H51-53	H51-52
			H53-1, H53-5, H53-7
			H53-8, H53-9
			H51-45
			H51-46
			H51-47
			H51-48
			H51-49

Elevation	Title	Website CAD ref. no.	
Single Leaf Door	Double Leaf Door	Open-in	Open-out
		H53-2, H53-6, H53-7	H53-1, H53-5, H53-7
		H51-22, H51-32	H51-22, H51-23
		H51-20	H51-20
		H51-20	H51-20
		H53-8, H53-9	H53-8, H53-9
		H51-26, H51-34	H51-26
		H51-27, H51-35	H51-28
		H51-28	H51-28
		H51-29	H51-29
		H51-30	H51-30
		H55-23	
		H55-24, H55-25, H55-26	
		H55-23	
			H53-1, H53-12
			H53-13, H53-12
			H51-16
			H53-1, H53-2, H53-4



3. 410-420 Islington Street - Recommended Approval

Background: The applicant is seeking approval for changes to a previously approved design to:

1. **Trash Enclosure:** Adjustment to trash enclosure at 412.
2. **Columns:** Make column adjustment at 418/420.
3. **HVAC:** Add mechanical vents at 422/424 and add wall-mounted mechanical vents at 422/424.
4. **Trim:** Make a water table adjustment at 422/424.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

Historic District Commission Work Session or Administrative Approval Application · Add to a project

Expiration Date Active

LUHD-139

Details
Submitted on Apr 29, 2020 4:33 PM

Attachments
2 files

Activity Feed
Latest activity on Apr 30, 2020

Applicant
Danielle Cain

Location
410 ISLINGTON ST, Portsmouth, NH 03801

Timeline

Add New

- Application Completeness Review**
Completed Apr 30, 2020 at 10:32am
- Land Use Permit -- Planning Department Review and Fee Calculation**
Completed Apr 30, 2020 at 11:11am
- Application Permit Fee**
Paid Apr 30, 2020 at 11:34am
- HDC Approval Received**
In Progress

Application Type

Please select application type from the drop down menu below
Administrative Approval

Project Information

Brief Description of Proposed Work *

- ADJUSTMENT TO TRASH ENCLOSURE AT 412
- COLUMN ADJUSTMENT AT 418/420
- ADDITIONAL MECHANICAL VENTS AT 422/424
- WALL MOUNTING MECHANICAL EQUIPMENT AT 422/424
- WATER TABLE ADJUSTMENT AT 422/424

Description of Proposed Work (Planning Staff)

Project Representatives

Enter one entry for each person in addition to the applicant who will be involved with this project and providing information to the City on behalf of the project.

Acknowledgement

I certify that the information given is true and correct to the best of my knowledge. *

By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction *

I hereby certify that as the applicant for permit, I am *

Other

If you selected "Other" above, please explain your relationship to this project. Owner authorization is required.

Architect

INTERNAL USE ONLY -- Historic District Commission Review and Approval

HDC Certificate of Approval Granted

HDC Approval Date

ISLINGTON COMMONS

HISTORIC DISTRICT COMMISSION, MAY 2020



#410

#412

#430

GENERAL PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THREE PARCELS LOCATED AT 410, 420 AND 430 ISLINGTON STREET. THE LOTS CURRENTLY CONTAIN A TOTAL OF 7 EXISTING DWELLING UNITS. THE LOT LINES SHALL BE ADJUSTED TO ACCOMMODATE THE RENOVATION OF EACH EXISTING BUILDING SUCH THAT, THE NUMBER OF EXISTING UNITS WILL BE REDUCED TO FOUR (4) AND SEVEN (7) NEW DWELLING UNITS WILL BE ADDED. THE RESULT WILL BE A TOTAL OF 11 DWELLING UNITS ON THE SITE. THE FOLLOWING IS INCLUDED IN THIS PACKAGE:

- ADJUSTMENT TO TRASH ENCLOSURE AT 412
- COLUMN ADJUSTMENT AT 418/420
- ADDITIONAL MECHANICAL VENTS AT 422/424
- WALL MOUNTING MECHANICAL EQUIPMENT AT 422/424
- WATER TABLE ADJUSTMENT AT 422/424

CURRENT SCOPE

ZONING SUMMARY:

ZONING DISTRICT: CD4-L2

LOT SIZE: 40,075 SF

REQUIRED LOT AREA PER DWELLING UNIT: 3,000 SF

BUILDING HEIGHT: 35'-0" MAX

GROUND FLOOR ABOVE SIDEWALK: 3'-0" MAX

MIN GROUND STORY HEIGHT: 11'-0"



woodburn & company
ARCHITECTS

Islington Commons
LANDSCAPE PLAN
410-432 Islington Street Portsmouth, New Hampshire

SCALE: 1/2" = 1'-0"
DRAWN BY: SNH
CHECKED BY: RHF
PROJECT NO.: 2017008
DATE: 04/29/20

L-1

MARKET SQUARE
ARCHITECTS
100 Co. Street, Suite 1208
Portsmouth, NH 03801
PH: 603.531.0222
info@market-square.com

HISTORIC DISTRICT COMMISSION
ADMINISTRATIVE APPROVAL
MAY 2020

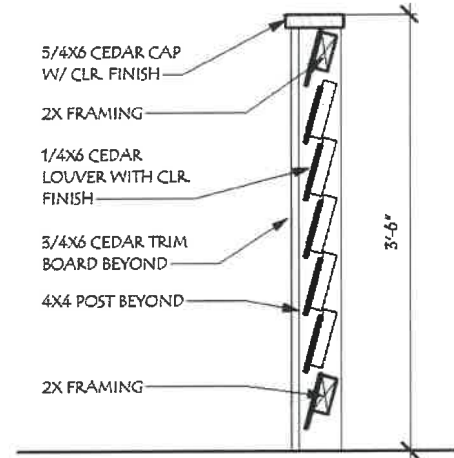
ISLINGTON COMMONS
412 ISLINGTON STREET
PORTSMOUTH, NH 03801

Revisions	Description	Date

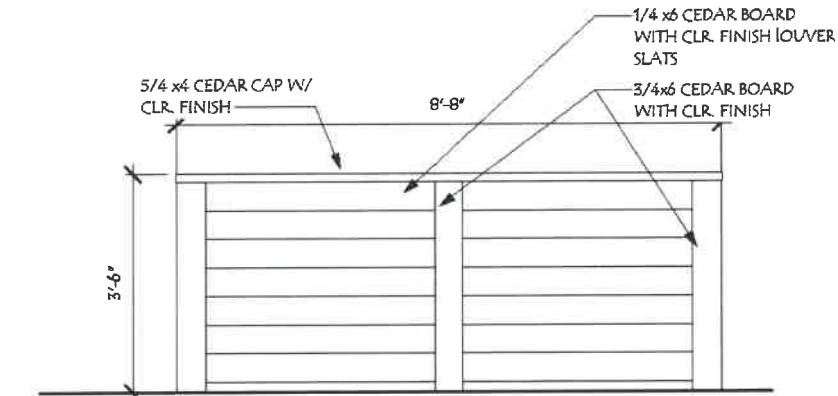
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1	DRAWN BY: SNH
	CHECKED BY: RHF
	PROJECT NO.: 2017008
	DATE: 04/29/20



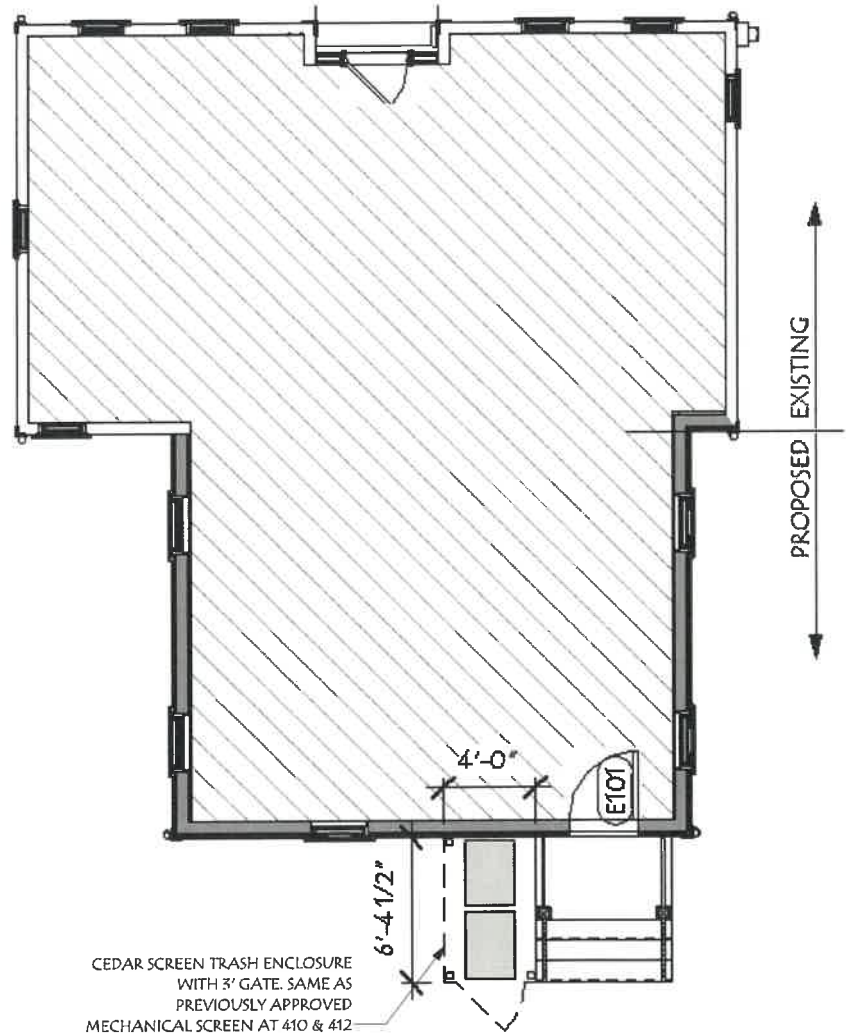
EXAMPLE OF A SIMILAR SCREEN



② SCREEN SECT AS PREVIOUSLY APPROVED FOR MECHANICAL SCREEN FOR 410 & 412
 1" = 1'-0"



① SCREEN ELEV AS PREVIOUSLY APPROVED FOR MECHANICAL SCREEN FOR 410 & 412
 1/2" = 1'-0"



CEDAR SCREEN TRASH ENCLOSURE WITH 3' GATE. SAME AS PREVIOUSLY APPROVED MECHANICAL SCREEN AT 410 & 412

412 FLOOR PLAN PREVIOUSLY APPROVED

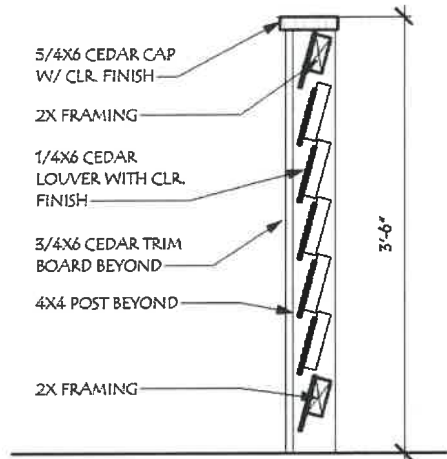
Revisions #	Description	Date

SCALE:	DATE:
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PROJECT NO.:	
DATE:	

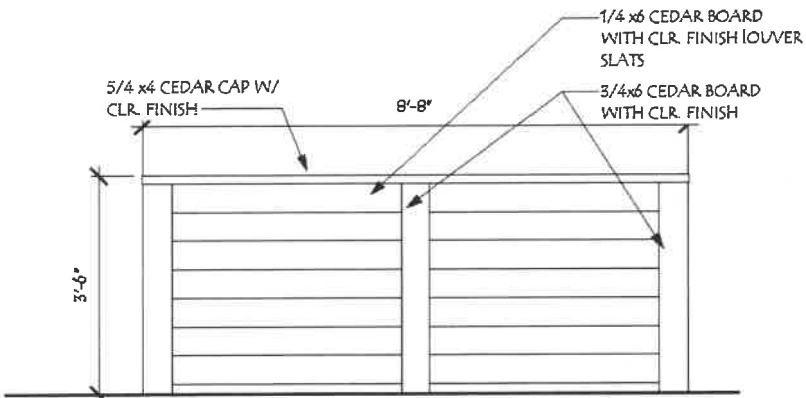
TITLE:	2
412 TRASH ENCLOSURE	



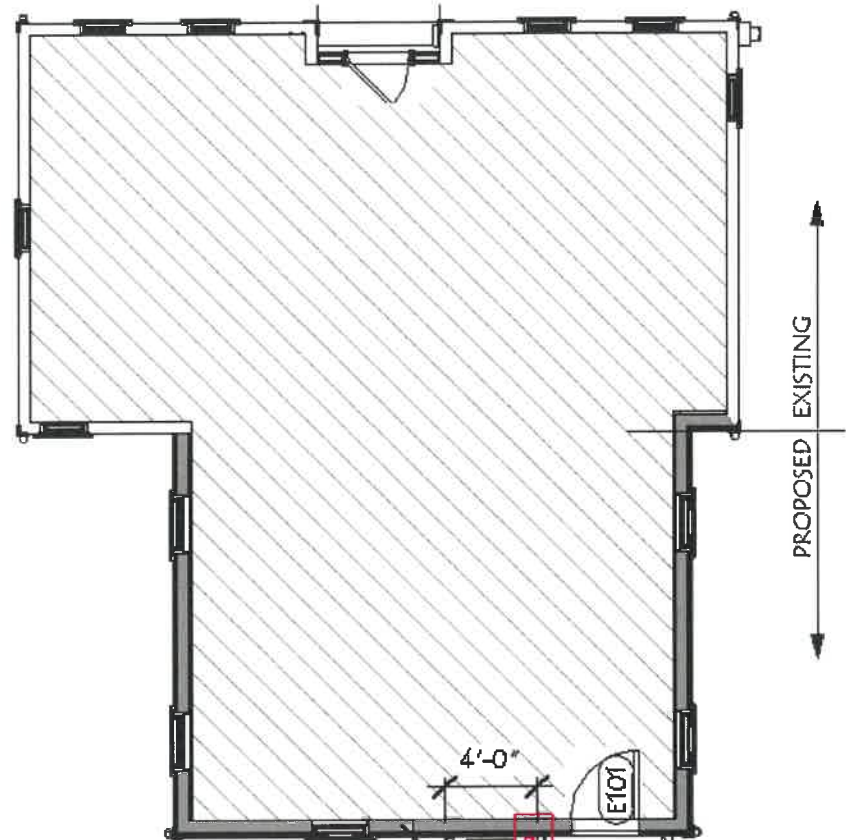
EXAMPLE OF A SIMILAR SCREEN



② SCREEN SECT AS PREVIOUSLY APPROVED FOR MECHANICAL SCREEN FOR 410 & 412
 1" = 1'-0"



① SCREEN ELEV AS PREVIOUSLY APPROVED FOR MECHANICAL SCREEN FOR 410 & 412
 1/2" = 1'-0"



CEDAR SCREEN TRASH ENCLOSURE WITH 3' GATE. SAME AS PREVIOUSLY APPROVED MECHANICAL SCREEN AT 410 & 412

NOTE: ADD "THIRD" SIDE OF TRASH ENCLOSURE

412 FLOOR PLAN PREVIOUSLY APPROVED

HISTORIC DISTRICT COMMISSION ADMINISTRATIVE APPROVAL MAY 2020	
ISLINGTON COMMONS 412 ISLINGTON STREET PORTSMOUTH, NH 03801	
SCALE: DRAWN BY: SNH CHECKED BY: B/H PROJECT NO.: 2017008 DATE: 04/29/20	REVISIONS: # Description Date
TITLE: 412 TRASH ENCLOSURE	3

NOTE: PREVIOUSLY APPROVED COLUMN DESIGN IS NO LONGER AVAILABLE. PROPOSED COLUMN IS THE SAME SIZE AND VERY SIMILAR WITH A ROUNDED SECONDARY CAP/BOTTOM AND A MINIMAL NECK TRIM.

Caulk-N-Walk
Round Tapered Smooth Columns

Caulk-N-Walk White Seamless Column

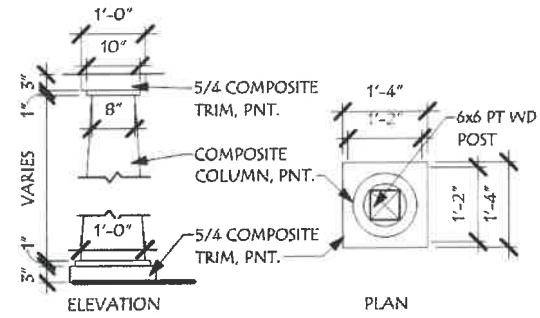
- The first white seamless column with a satin finish. No more peeling lines to sand.
- Patented polyurethane Tuscan capital painted white with foam ring insert that fits snug around the column.
- White composite base. Durable architectural casted fiber stands up to wear and tear.
- Capac around the bottom of the capital and top of the base and walk away.
- Everything included in one box - Column, Cap and Base, Installation Instructions, Base ring with pre-drilled holes, Base ring target, Installation disc with pre-drilled holes, Plumb bob with spirit level and string, New Tapcon® screws, Wood Glue.
- Unlimited Lifetime Warranty.
- Made in the U.S.A.
- Paint Optional.

Column Diameter x Height	Smooth	Lead Weight Lbs.	SPLIT FIT	Spill for Plaster
8" x 8'-0"		10,000		
8" x 8'-4"		10,000		
8" x 10'-0"		10,000		
10" x 8'-4"		14,000		
10" x 8'-0"		14,000		
10" x 10'-0"		14,000		
12" x 8'-4"		18,000		
12" x 8'-0"		18,000		
12" x 10'-0"		18,000		

Features: **plumb perfect** Installation System

COL-4 Brookway-Smith Company JULY 2016

418/420 ENTRY COLUMN CUT SHEET- PROPOSED



418/420 ENTRY COLUMN- PREVIOUSLY APPROVED



418/420 NORTH ELEVATION- PREVIOUSLY APPROVED

MARKET SQUARE ARCHITECTS
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HISTORIC DISTRICT COMMISSION ADMINISTRATIVE APPROVAL MAY 2020

ISLINGTON COMMONS
412 ISLINGTON STREET
PORTSMOUTH, NH 03801

Revisions	Description	Date

SCALE:	3/8"	Character:	2017008	DATE:	06/29/20
DRAWN BY:		CHECKED BY:		PROJECT NO.:	4/29/2020 4-3D-08 PM

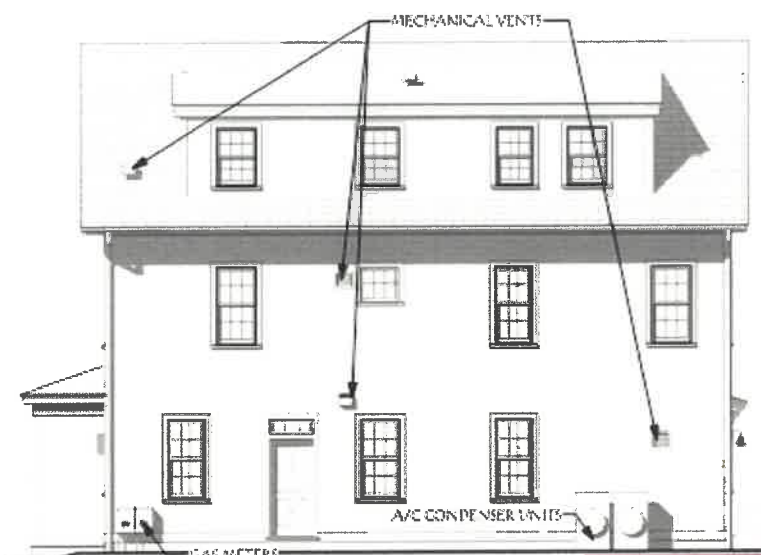
TITLE: 418/420 ENTRY COLUMNS
4

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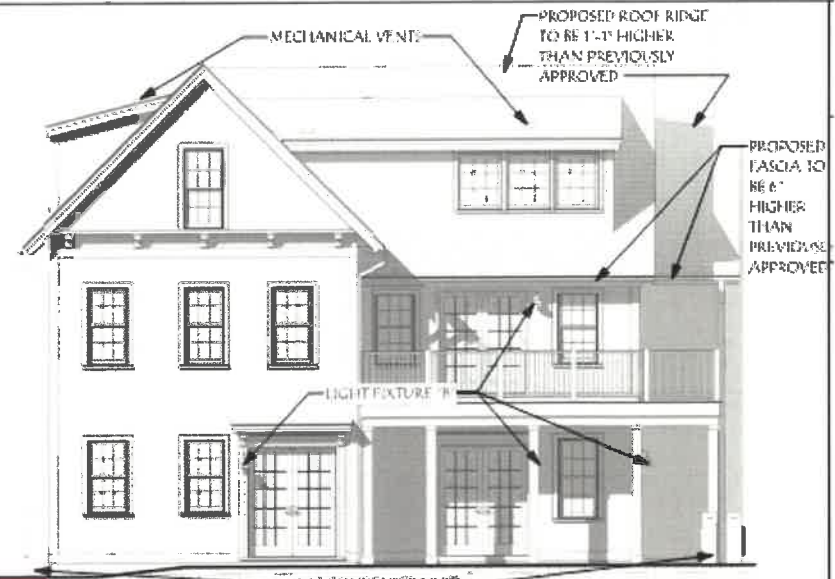
Revisions	Description	Date

AUTHOR	CHECKER	DATE

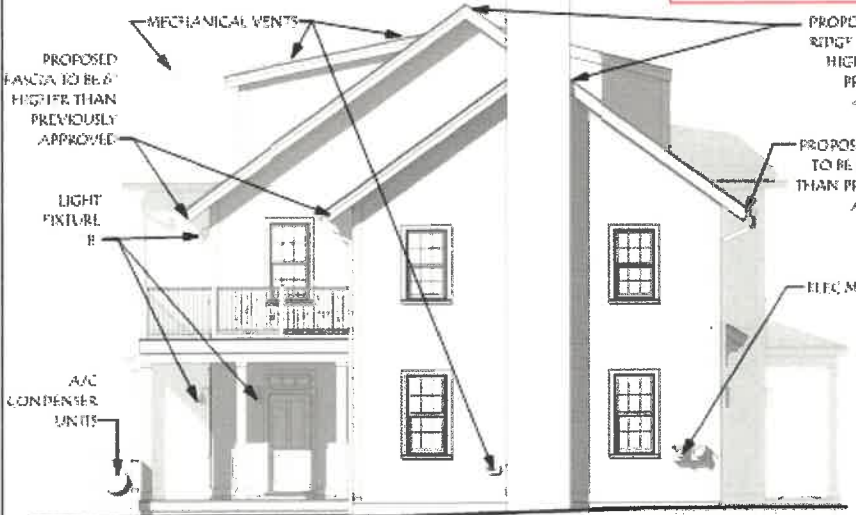
TITLE	PROJECT NO.	DATE
422/424 EXTERIOR ELEVATIONS	5	4/29/20



④ 422/424- WEST ELEVATION
 10' x 14'



② 422/424- SOUTH ELEVATION
 10' x 14'



③ 422/424- EAST ELEVATION
 10' x 14'

PREVIOUSLY APPROVED



① 422/424- NORTH ELEVATION
 10' x 14'



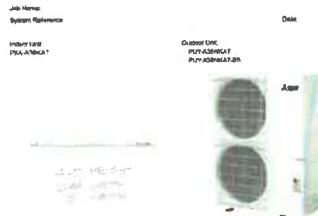
**Essential Collection
One-Light Small Wall
Lantern**

by Progress Lighting
Collection Name: Essential
Catalog ID: P6059-31

Outdoor one-light small wall lantern with a white linen glass shade in a Black finish.

- H-L: Small Wall Lantern (6 in) White Linen glass shade.
- Black finish.
 - White linen glass.
 - Powdercoat finish.
- 5 7/8" W X 8 11/16" H

LIGHT FIXTURE "B" AT 422/424 & 426
PREVIOUSLY APPROVED

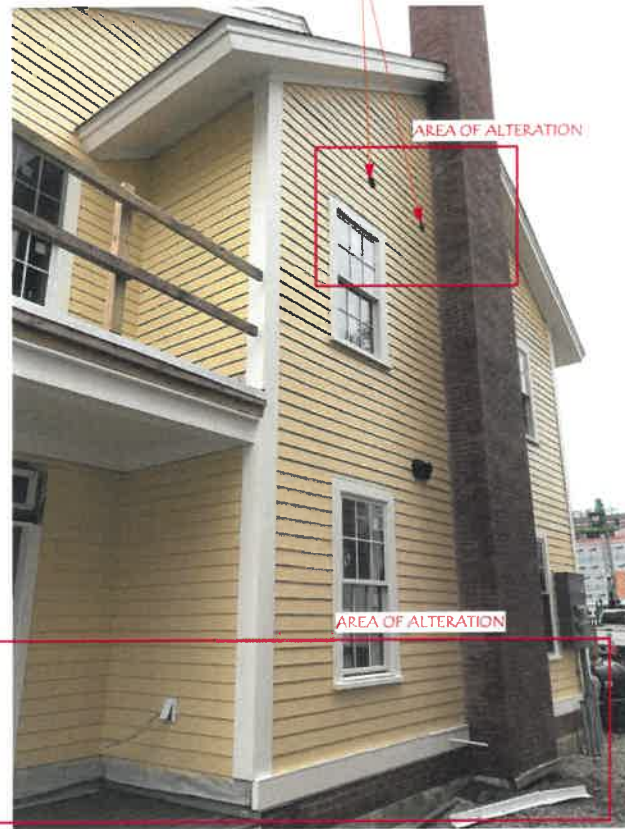


**MECHANICAL UNITS-
PREVIOUSLY APPROVED**

NOTE:
PREVIOUSLY APPROVED MECHANICAL UNITS
PROPOSED TO BE WALL MOUNTED INSTEAD
OF PLACED ON GRADE



**WALL MOUNTED HVAC EQUIPMENT-
SIMILAR INSTALLATION**



418/420 EAST ELEVATION



418/420 WEST ELEVATION

NOTE:
WATER TABLE IS ADJUSTED TO ACCOMODATE STRUCTURAL REQUIREMENTS OF
THE PORCHES



HISTORIC DISTRICT COMMISSION
ADMINISTRATIVE APPROVAL
MAY 2020

ISLINGTON COMMONS
412 ISLINGTON STREET
PORTSMOUTH, NH 03801

Revisions #	Description	Date

SCALE:	Autor	Checker	20/DOOR	04/29/20
DRAWN BY:				
CHECKED BY:				
PROJECT NO.:				
DATE:				

TITLE:	422/424 EXTERIOR ELEVATIONS	6
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FIRE ALARM STROBE IMAGE

NOTE:
FINAL SELECTION OF FIRE ALARM STROBE TO BE COORDINATED WITH THE FIRE DEPARTMENT



NOTE:
PROPOSED WATER TABLE IS ADJUSTED TO ACCOMMODATE STRUCTURAL REQUIREMENTS OF THE PORCHES

418/420 NORTH ELEVATION

#	Revisions Description	Date

SCALE:	Author:	Checker:
DRAWN BY:	2017008	04/29/20
CHECKED BY:		
PROJECT NO.:		
DATE:		

TITLE:	7
422/424 EXTERIOR ELEVATIONS	