

HDC

ADMINISTRATIVE APPROVALS

October 01, 2025

- | | | |
|----|--------------------------|-----------------------|
| 1. | 500 market Street | -Recommended Approval |
| 2. | 2 Market Square, Unit #2 | -Recommended Approval |
| 3. | 64 Mt. Vernon Street | -Recommended Approval |
| 4. | 235 Marcy Street | -Recommended Approval |
| 5. | 139 South Street, Unit A | -Recommended Approval |
| 6. | 50 Austin Street | -Recommended Approval |
| 7. | 112 New Castle Avenue | -Recommended Approval |
| 8. | 101 Chapel Street | -Recommended Approval |
| 9. | 93 State Street | -Recommended Approval |

1. 500 Market Street

-Recommended Approval

Background: The applicant is seeking approval for the installation of a condenser unit with screening; all conduit lines will feed directly into the building.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____



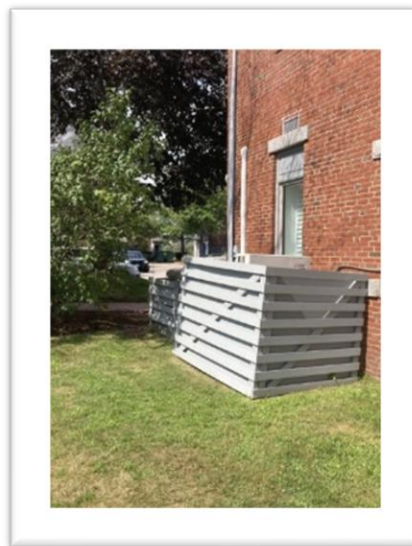
Property Management
Trusted. Seasoned. Leaders.

August 14, 2025

To whom it may concern –

The Nobles Island Condominium Association, located at 500 Market Street in Portsmouth, NH, would like to request the installation of a ground-level exterior condenser for the HVAC system, accompanied by a grey fence, to conceal the condenser from view.

This design and installation would match the other condensers on the property. The fence is made of wood and painted light grey. Please see the picture below for your reference.



Thank you for your time and consideration.

Michael Street
on behalf of the Nobles Island
Condominium Association Board of Directors

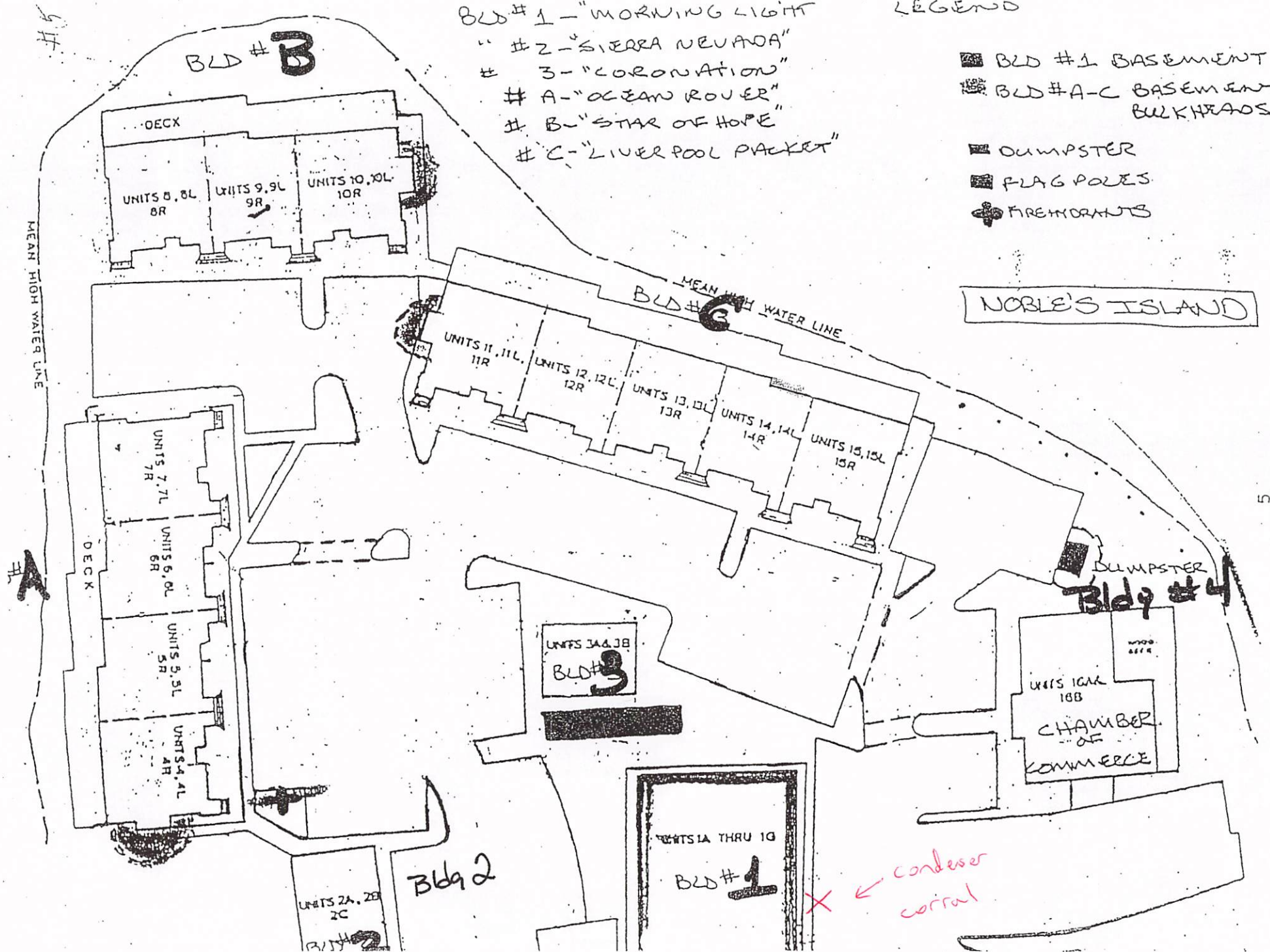
CPManagement
michaels@cpmanagement.com
603.778.6300

BLD #1 - "MORNING LIGHT"
 #2 - "SIERRA NEVADA"
 #3 - "CORONATION"
 #A - "OCEAN ROVER"
 #B - "STAR OF HOPE"
 #C - "LIVER POOL PACKET"

LEGEND

- BLD #1 BASEMENT
- BLD #A-C BASEMENT BULKHEADS
- DUMPSTER
- FLAG POLES
- ⊕ FIREHYDRANTS

NOBLE'S ISLAND







SAMSUNG

PANEL A1
CKT 38.40
WLBANK

2. 2 Market Square, Unit #2 -Recommended Approval

Background: The applicant is seeking approval for the installation of signage and lighting.

Staff Comment: Recommend Approval

Stipulations:

1. _____
2. _____
3. _____

EXTERIOR REVIEW FOR

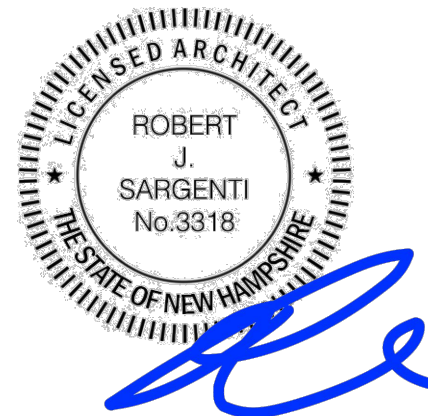


MARKET SQUARE 2 MARKET SQUARE E PORTSMOUTH, NH 03801



CONSULTANTS (ENGINEER):

SEAL:



OWNER
CONTACT: CRAIG DRYDEN
SEASALT CORNWALL
PHONE: 01326-44035
EMAIL: CRAIGDRYDEN@SEASALTCORNWALL.CO.UK

LANDLORD
PROJECT CONTACT: JEN KURANI
EMAIL: JENKURANI@GMAIL.COM

BUILDING DEPARTMENT
PORTSMOUTH INSPECTION DEPT.
1 JUNKINS AVE
PORTSMOUTH, NH 03801
PHONE: (603)610-7043

PROJECT MANAGER
CONTACT: COURTNEY MICHELNE
EMAIL: CMICHELNE@GMAIL.COM

ARCHITECT
CONTACT: CLAIRE GIACALONE
SARGENTI ARCHITECTS
234 E. COLORADO BLVD., SUITE #805
PASADENA, CA 91101
PHONE: 408.201.4809
EMAIL: CGIACALONE@SARGARCH.COM

MEP ENGINEER
CONTACT: AMIT ARASGONDA
NEARBY ENGINEERS
382 NE 191 ST., SUITE 49674
MIAMI, FLORIDA 33179
PHONE: (646)751-7497
EMAIL: AMILAS@NY-ENGINEERS.COM

GENERAL CONTRACTOR
CONTACT: JAMES AGRESTA
JA CARPENTRY, INC.
4444 SCOTTS VALLEY DRIVE, SUITE 9-C
SCOTTS VALLEY, CA 95066
PHONE: 831.431.6431
EMAIL: JIM@JACBUILD.COM

SCOPE OF WORK:
TENANT IMPROVEMENT OF 3,952 SQ FT SPACE FOR SEASALT CORNWALL WITHIN AN EXISTING COMMERCIAL BUILDING. WORK INCLUDES INTERIOR REMODELING, NEW PARTITION WALLS, CEILINGS, NEW MECHANICAL DISTRIBUTION, EXISTING ELECTRICAL EQUIPMENT WITH NEW POWER DISTRIBUTION, NEW PLUMBING, EXTERIOR WORK TO INCLUDE NEW LIGHTING, HAND PAINTED SIGNAGE, AND NEW PAINT AT EXISTING FACADE. EXISTING ROLLER CANOPY TO BE REMOVED.

CODE REVIEW INFORMATION:
APPLICABLE CODES: ALL WORK DONE UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS, DRAWINGS & CONSTRUCTION CRITERIA OF THE LANDLORD AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. ANY MODIFICATIONS TO THE CONTRACT WORK REQUIRED BY SUCH AUTHORITIES SHALL BE PERFORMED BY THE TENANT'S CONTRACTOR. ALL PERMITS AND LICENSES NECESSARY FOR THE EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE TENANT'S CONTRACTOR(S). APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

APPLICABLE BUILDING CODES:
BUILDING & STRUCTURAL: 2021 NEW HAMPSHIRE BUILDING CODE
PLUMBING: 2021 NEW HAMPSHIRE PLUMBING CODE
MECHANICAL: 2021 NEW HAMPSHIRE MECHANICAL CODE
ELECTRICAL: NATIONAL ELECTRICAL CODE (NFPA 70)/2020
ACCESSIBILITY: 2017 NEW HAMPSHIRE ACCESSIBILITY CODE, 2010 ADA STANDARDS
FIRE: 2021 NEW HAMPSHIRE FIRE CODE

1. BUILDING DATA:
A. OCCUPANCY GROUP: M (MERCANTILE)
B. TYPE OF CONSTRUCTION: 8 - FULLY SPRINKLERED
C. # OF EXITS REQUIRED: 2 REQUIRED
D. YES (EXISTING)
E. RESTROOM: 1 REQUIRED /1 PROVIDED
F. HI-LO DRINKING FOUNTAIN: 1 REQUIRED /1 PROVIDED
G. MOP SINK: 1 REQUIRED /1 PROVIDED

2. EXIT HARDWARE: ALL EXITS SHALL BE OPERABLE FROM THE INTERIOR OF TENANT SPACE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE. NO MANUALLY OPERATED EDGE OR SURFACE MOUNTED. FLUSH BOLTS SHALL NOT BE USED.

3. THE GENERAL CONTRACTOR IS EXPECTED TO BID ALL SUBCONTRACTOR TRADES. ALL SUBCONTRACTORS WISHING TO BID SHOULD SUBMIT THROUGH THE LISTED GENERAL CONTRACTOR. NO PARTIAL BIDS WILL BE ACCEPTED OR CONSIDERED.

4. OCCUPANT CALCULATIONS:

USE	GROSS AREA (SF)	LOAD FACTOR	LOAD
SALES AREA/ FITTING RM.	1,324	60 GROSS	23
OFFICE	75	150 GROSS	1
BREAK AREA	168	60 GROSS	3
HALLWAY	160	0 NET	-
STORAGE	2,143	300 GROSS	8
RESTROOMS	82	1 PER	1
			-
TOTAL SF LEASE SPACE:	3,952 S.F.		36

5. TOILET ROOM REQUIREMENTS [2021 NEW HAMPSHIRE PLUMBING CODE SECTION 403.1]:
(NUMBER OF FIXTURES BASED ON TOTAL OCCUPANT LOAD OF 36: 18 M / 18 F)

REQUIRED: PROVIDED:
A. WATER CLOSET: (1) - (1) GENDER NEUTRAL PROVIDED
B. LAVATORY: (1) - (1) PROVIDED
C. HI-LO DRINKING FOUNTAIN: (1) - (1) PROVIDED
D. SERVICE SINK: (1) - (1) PROVIDED

PER 2021 NEW HAMPSHIRE PLUMBING CODE SECTION 403.2, EXCEPTION #3 - SEPARATE FACILITIES SHALL NOT BE REQUIRED IN MERCANTILE OCCUPANCIES IN WHICH MAXIMUM OCCUPANT LOAD IS 100 OR FEWER.

NOT USED

SCALE
-

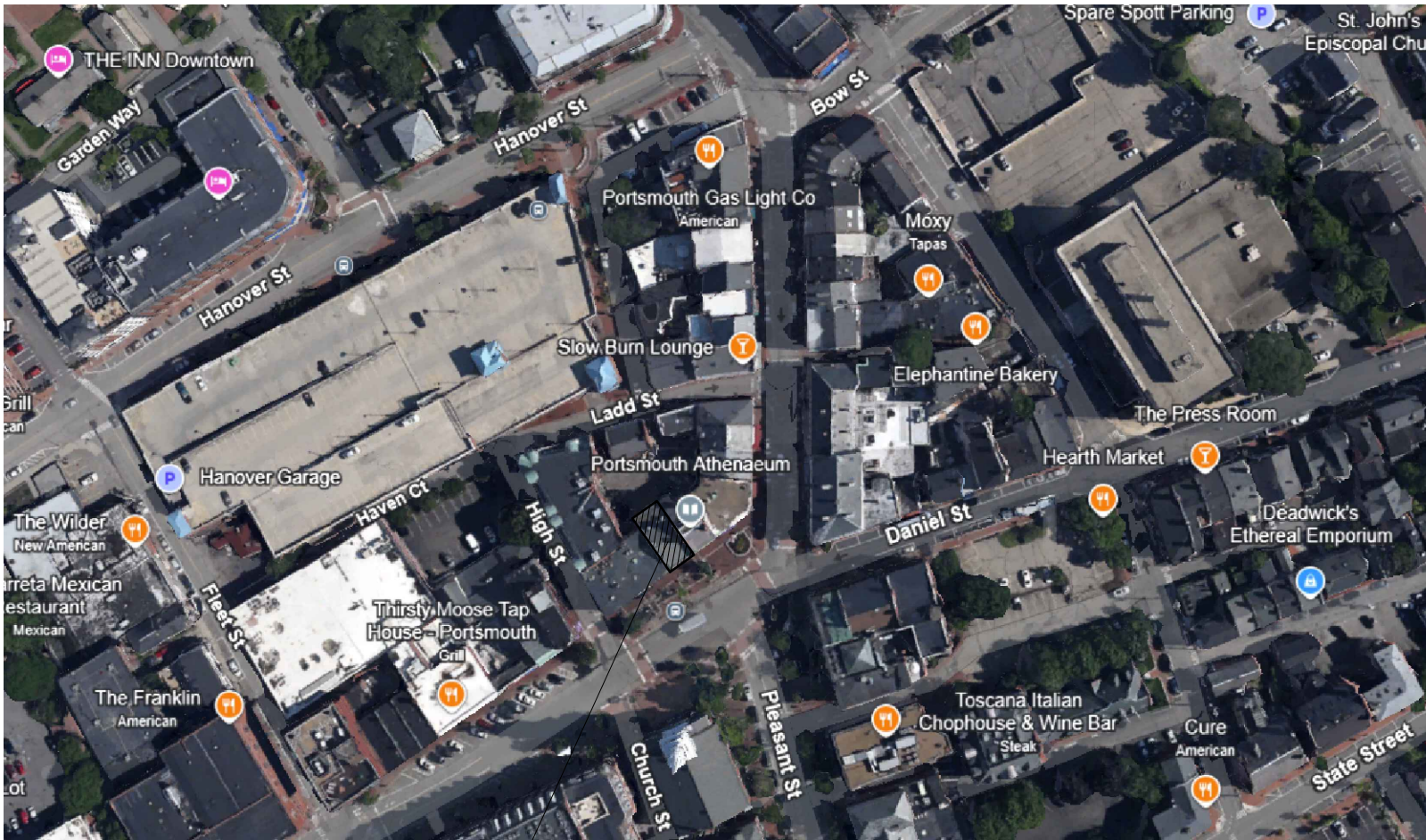
14

PROJECT DIRECTORY

SCALE
-

10

ALL WORK TO BE IN ACCORDANCE WITH THE HISTORIC DESIGN COMMISSION REQUIREMENTS AND MAINTAIN THE INTEGRITY OF THE EXISTING EXTERIOR CONDITIONS.



SEASALT CORNWALL
MARKET SQUARE
2 MARKET SQUARE E
PORTSMOUTH, NH 03801



SITE PLAN

SCALE
N.T.S.

15

GENERAL NOTES

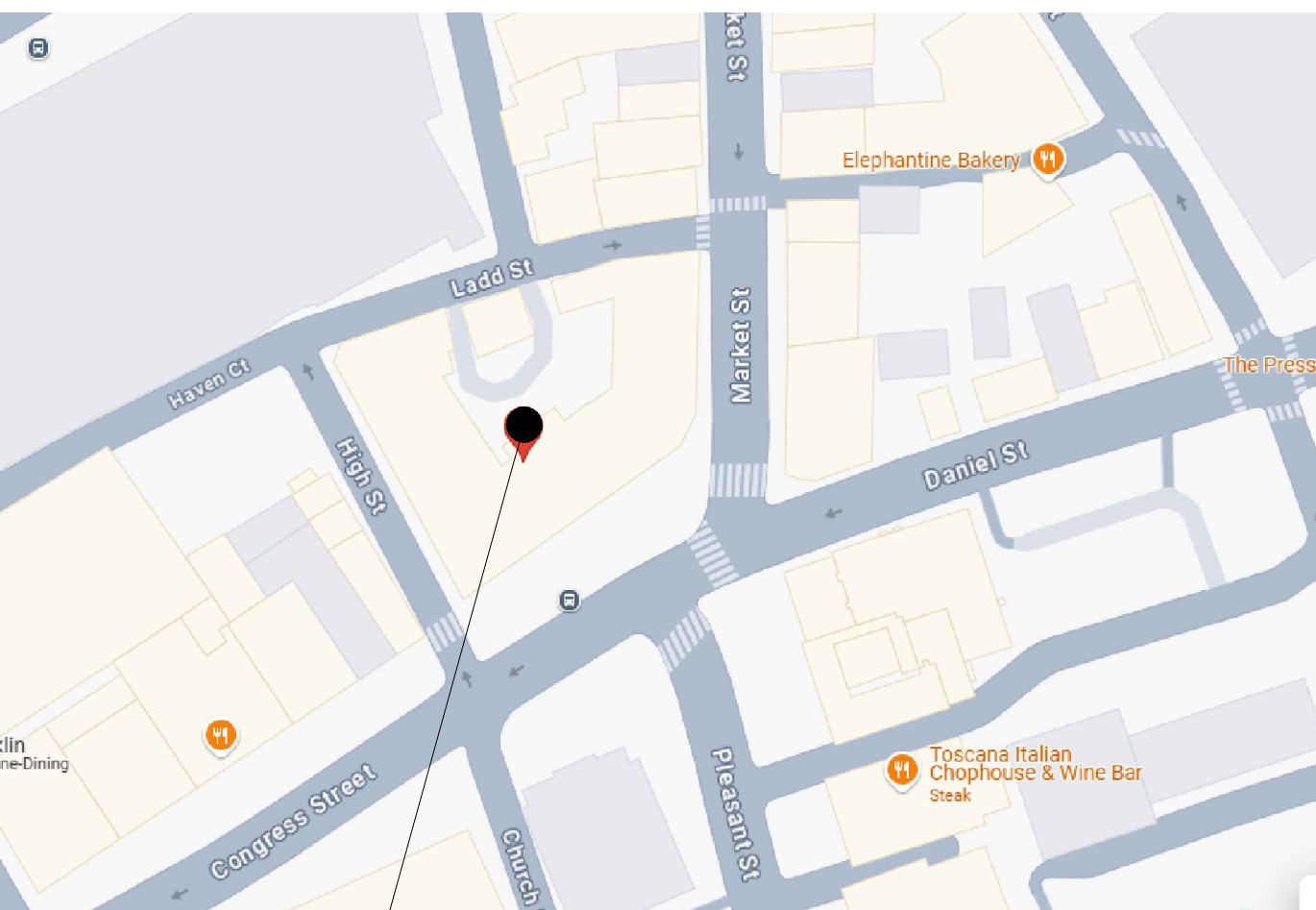
SCALE
-

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BUILDING DEPARTMENT DATA

SCALE
-

7



SEASALT CORNWALL
MARKET SQUARE
2 MARKET SQUARE E
PORTSMOUTH, NH 03801



VICINITY MAP

SCALE
N.T.S.

16

ABBREVIATIONS

SCALE
-

12

SYMBOLS INDEX

SCALE
-

8

DRAWING INDEX

SCALE
-

4

DATE ISSUE

08/22/2025 ADMIN APPROVAL



EXISTING STOREFRONT PHOTOS

SCALE 2

- 1 EXISTING ROLLING CANOPY TO BE REMOVED
- 2 EXISTING STOREFRONT TO REMAIN AND BE REPAINTED
- 3 EXISTING BRICK TO REMAIN
- 4 EXISTING STEP TO REMAIN
- 5 NEW TRANSOM TO BE INSTALLED ABOVE EXISTING DOORMAT
- 6 EXISTING STOREFRONT GLAZING AND SYSTEM TO REMAIN. GC TO CLEAN AND PROTECT IN PLACE DURING CONSTRUCTION
- 7 NEW STOREFRONT ENTRY DOOR TO BE SIMILAR AND REPLACE EXISTING

NOT USED

SCALE N/A

5

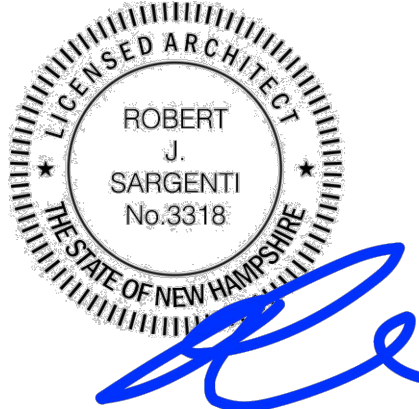
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SCALE 1/2" = 1'-0"

1

CONSULTANTS (ENGINEER):

SEAL:



SEASALT
CORNWALL

DATE	ISSUE
04/21/2025	DD SET
05/08/2025	100% SET
05/20/2025	PERMIT SET
08/5/2025	CONSTRUCTION SET

DATE	REVISION
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SEASALT CORNWALL
MARKET SQUARE
2 MARKET ST.
PORTSMOUTH, NH 03801

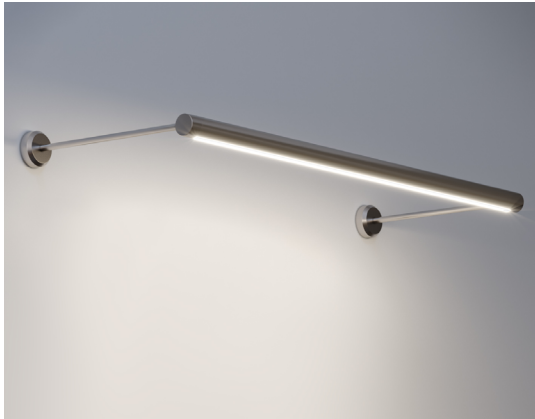
PROJECT INFORMATION:
DATE: 04/21/2025
PROJECT NUMBER: 11843-24

DRAWN BY: ZP
REVIEWED BY: CG

TITLE:
**EXISTING EXTERIOR
PHOTOS**

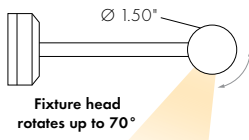
SHEET NUMBER:

A200



Features

- 24VDC Class 2 and IP68 rated for wet locations, fixtures made to order up to 232".
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- IP68 rated for wet locations
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- High Color Quality options offer premium quality and vibrant colors with R9 values up to 97
- High Efficacy options offer best in class output and efficacy with over 560 lm/ft and up to 71 lm/W
- Average Life (L70): 50,000hrs
- 3 Year warranty



Finish Options (see page 2 for additional information)

Base	<input type="checkbox"/> Silver Anodized
Powder Coat	<input type="checkbox"/> Black <input type="checkbox"/> Bronze <input type="checkbox"/> White
Premium	<input type="checkbox"/> Matte Black <input type="checkbox"/> Warm Nickel <input type="checkbox"/> Aged Brass <input type="checkbox"/> Polished Gold <input type="checkbox"/> Chrome



Technical Information

MODEL	High Color Quality		High Efficacy				High Efficacy	
OUTPUT OPTIONS	60X2HO	60X2VHO	HE48LO	HE48SO	HE48MO	HE48HO	HE64VHO	HE64XHO
Lumens Output (3000K) (with a Clear Lens)	337 lm/ft	421 lm/ft	134 lm/ft	185 lm/ft	247 lm/ft	397 lm/ft	502 lm/ft	565 lm/ft
Average Power Consumption (for a 4" section)	7.3 W/ft	9.4 W/ft	1.9 W/ft	2.8 W/ft	3.5 W/ft	6.5 W/ft	7.5 W/ft	9.6 W/ft
Efficacy	46 lm/W	45 lm/W	71 lm/W	66 lm/W	71 lm/W	61 lm/W	67 lm/W	59 lm/W
Max Run Length (in series)	26 ft	21 ft	48 ft	42 ft	33 ft	21 ft	15 ft	13 ft
Ambient Operating Temperature Range*	-15°F - 125°F (-25°C - 50°C)		-15°F - 125°F (-25°C - 50°C)				-15°F - 125°F (-25°C - 50°C)	-15°F - 115°F (-25°C - 45°C)

*Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

High Color Quality (60X2)

CCT	Multiplier (reference - 3000K)	TM-30			
		CRI	R _f	R _g	R ₉
2700K	0.97	97	96	99	93
3000K	1.00	96	95	99	92
3500K	1.01	96	95	100	94
4100K	1.34	97	96	102	92

High Efficacy (HE48/HE64)

CCT	Multiplier (reference - 3000K)	TM-30			
		CRI	R _f	R _g	R ₉
2700K	0.94	92	90	99	46
3000K	1.00	92	89	99	62
3500K	1.02	92	89	99	58
4000K	1.02	92	86	94	52

Ordering Code

MODEL	LENGTH ¹	OUTPUT	CCT	LENS ²	MOUNTING	FINISH ³
RUNWW-Runda Wall Wet	12" - 232" 2" increments	60X2HO-High 60X2VHO-Very High	27K-2700K 30K-3000K 35K-3500K 40K-4000K	C-Clear F-Frosted	4-4" Arm Length 6-6" Arm Length 12-12" Arm Length	BASE SA-Silver Anodized POWDER COAT BK-Black BZ-Bronze WH-White PREMIUM MBK-Matte Black WVN-Warm Nickel AB-Aged Brass PG-Polished Gold ⁴ CH-Chrome ⁴
	12" - 232" 2" increments	HE48LO-Low HE48SO-Standard HE48MO-Medium HE48HO-High HE64VHO-Very High HE64XHO-Max	27K-2700K 30K-3000K 35K-3500K 40K-4000K			

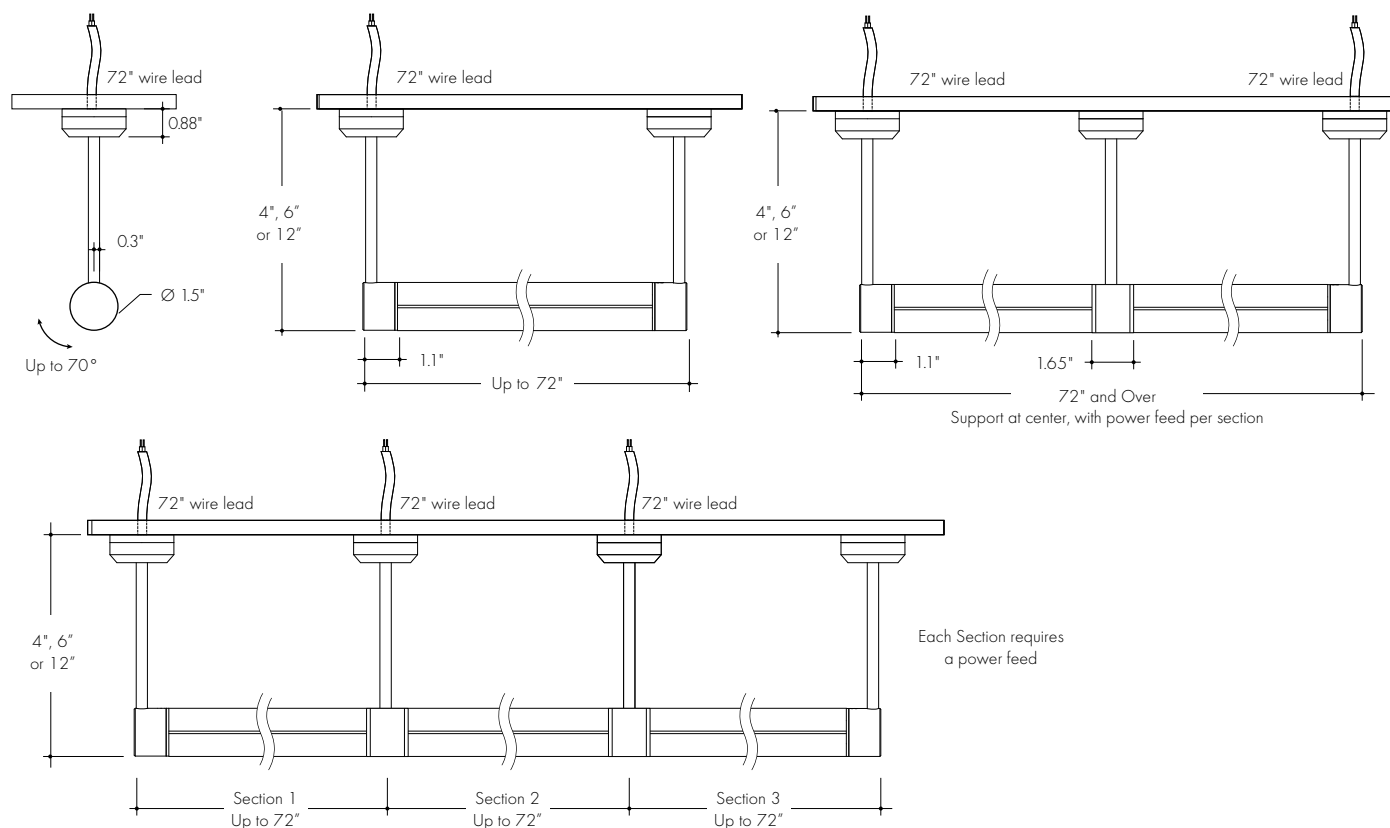
1 - Custom lengths and increments are available, please consult Inside Sales with specific request.

2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections, see multiplier charts to calculate specific efficacies.

3 - Non Base finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.

4 - Polished Gold and Chrome finishes have a maximum fixture length of 96".

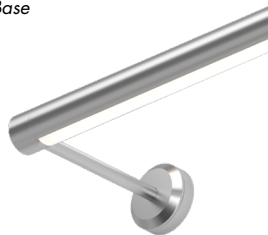
Product Dimensions



Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base finishes may have extended lead times.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.

Silver Anodized Base



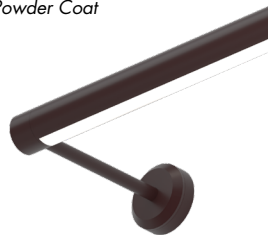
Silver Anodized is a soft silver with a clear finish.

Black Powder Coat



Black is a true deep black with a glossy finish.

Bronze Powder Coat



Bronze is a rich, dark brown with a satin finish.

White Powder Coat



White is a polar bright white and field paintable.

Matte Black Premium



Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel Premium



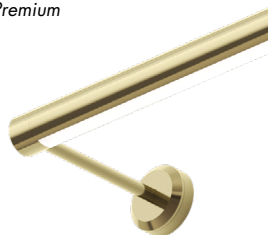
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass Premium



Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold Premium



Polished Gold is bright and radiant for a brilliant finish.

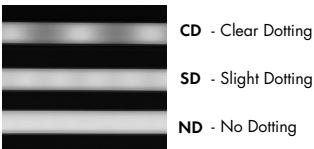
Chrome Premium



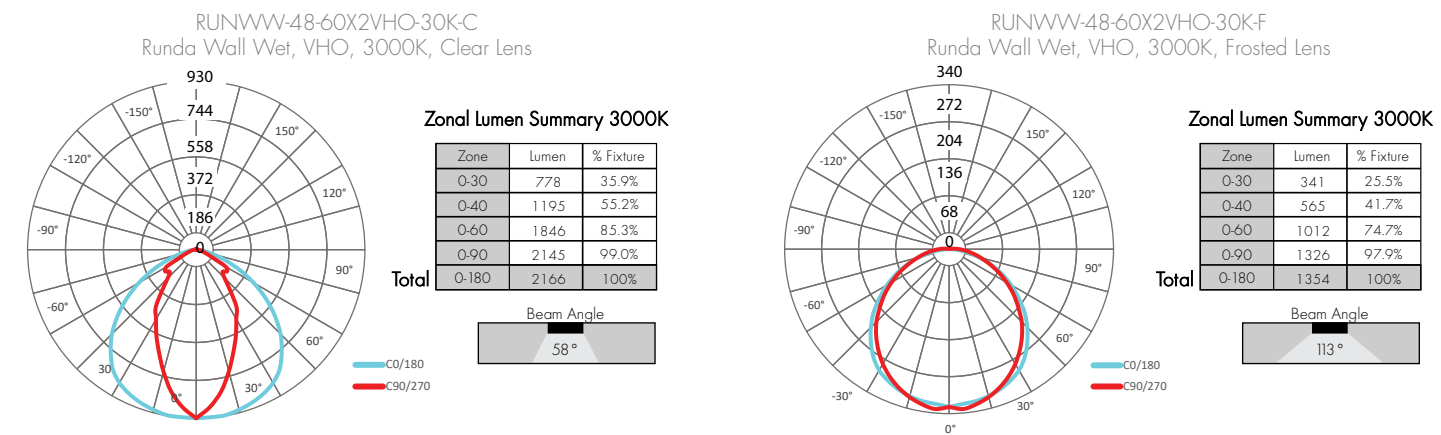
Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory							
	Clear Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
60X2HO	CD	CD	CD	CD	ND	ND	ND	ND
60X2VHO	CD	CD	CD	CD	ND	ND	ND	ND
HE48LO	CD	CD	CD	CD	ND	ND	ND	ND
HE48SO	CD	CD	CD	CD	ND	ND	ND	ND
HE48MO	CD	CD	CD	CD	ND	ND	ND	ND
HE48HO	CD	CD	CD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	ND	ND	ND	ND
Transmission Percentage	100%				69%			



Photometry



Power Consumption

Tested at Full Power with PS-UNI Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Color Quality (60X2)

Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts	
		HO	VHO			HO	VHO
12	11 6/16	8.3	10.4	47	46 8/16	27.1	34.7
13	12 12/16	8.3	10.4	48	47 15/16	27.7	35.3
14	—	—	—	49	—	—	—
15	14 3/16	8.3	10.4	50	49 5/16	28.2	36.0
16	15 9/16	8.9	11.3	51	50 12/16	29.3	37.4
17	17	9.5	12.1	52	—	—	—
18	—	—	—	53	52 2/16	29.9	38.1
19	18 6/16	10.1	12.9	54	53 9/16	31.0	39.5
20	19 13/16	11.3	14.5	55	54 15/16	31.5	40.2
21	—	—	—	56	—	—	—
22	21 3/16	11.9	15.3	57	56 6/16	32.1	40.9
23	22 10/16	13.1	16.9	58	57 12/16	33.1	42.3
24	—	—	—	59	—	—	—
25	24	13.7	17.7	60	59 3/16	33.7	43.0
26	25 7/16	14.3	18.5	61	60 9/16	34.8	44.4
27	26 13/16	15.5	20.2	62	62	35.3	45.1
28	—	—	—	63	—	—	—
29	28 4/16	16.1	20.9	64	63 6/16	35.9	45.8
30	29 10/16	17.3	22.4	65	64 13/16	36.9	47.0
31	—	—	—	66	—	—	—
32	31 1/16	17.9	23.2	67	66 3/16	37.4	47.6
33	32 7/16	19.1	24.7	68	67 10/16	38.4	48.7
34	33 14/16	19.7	25.4	69	—	—	—
35	—	—	—	70	69	38.9	49.3
36	35 4/16	20.3	26.2	71	70 7/16	39.4	49.9
37	36 11/16	21.6	27.7	72	71 13/16	40.4	51.1
38	—	—	—				
39	38 1/16	22.2	28.4				
40	39 8/16	23.3	29.9				
41	40 14/16	23.9	30.5				
42	—	—	—				
43	42 5/16	24.4	31.2				
44	43 11/16	25.5	32.6				
45	—	—	—				
46	45 2/16	26.0	33.3				

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE48)

Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts			
		LO	SO	MO	HO			LO	SO	MO	HO
12	10 13/16	1.7	2.5	3.5	5.7	47	46 4/16	6.7	10.2	12.6	23.9
13	12 12/16	1.7	2.5	3.5	5.7	48	—	—	—	—	—
14	—	—	—	—	—	49	48 3/16	6.9	10.7	13.3	24.7
15	14 12/16	1.7	2.5	3.5	5.7	50	—	—	—	—	—
16	—	—	—	—	—	51	50 3/16	7.1	11.2	13.9	25.4
17	16 11/16	2.0	3.0	4.0	7.2	52	—	—	—	—	—
18	—	—	—	—	—	53	52 2/16	7.4	11.7	14.5	26.3
19	18 11/16	2.4	3.5	4.6	8.7	54	—	—	—	—	—
20	—	—	—	—	—	55	54 2/16	7.7	12.3	15.1	27.4
21	20 10/16	2.7	3.9	5.2	10.2	56	—	—	—	—	—
22	—	—	—	—	—	57	56 1/16	8.0	12.9	15.7	28.5
23	22 10/16	3.0	4.4	5.8	11.7	58	—	—	—	—	—
24	—	—	—	—	—	59	58 1/16	8.4	13.5	16.4	29.5
25	24 9/16	3.4	4.9	6.4	13.2	60	—	—	—	—	—
26	—	—	—	—	—	61	60	8.7	14.0	17.0	30.6
27	26 9/16	3.7	5.4	7.0	14.7	62	62	9.0	14.6	17.6	31.6
28	—	—	—	—	—	63	—	—	—	—	—
29	28 8/16	4.1	5.9	7.5	15.8	64	63 15/16	9.4	15.2	18.2	32.6
30	—	—	—	—	—	65	—	—	—	—	—
31	30 8/16	4.4	6.4	8.1	16.8	66	65 15/16	9.7	15.6	18.7	33.7
32	—	—	—	—	—	67	—	—	—	—	—
33	32 7/16	4.8	6.9	8.7	17.9	68	67 14/16	10.0	16.1	19.2	34.7
34	—	—	—	—	—	69	—	—	—	—	—
35	34 7/16	5.0	7.2	9.0	18.5	70	69 14/16	10.4	16.5	19.8	35.7
36	—	—	—	—	—	71	—	—	—	—	—
37	36 6/16	5.4	7.7	9.6	19.5	72	71 13/16	10.7	17.0	20.3	36.7
38	—	—	—	—	—						
39	38 6/16	5.7	8.2	10.2	20.6						
40	—	—	—	—	—						
41	40 5/16	6.0	8.7	10.8	21.5						
42	—	—	—	—	—						
43	42 5/16	6.2	9.2	11.4	22.3						
44	—	—	—	—	—						
45	44 4/16	6.4	9.7	12.0	23.1						
46	—	—	—	—	—						

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE64)

Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts	
		VHO	XHO			VHO	XHO
12	10 8/16	7.6	9.7	47	46 13/16	27.6	35.1
13	12	7.6	9.7	48	—	—	—
14	13 8/16	7.6	9.7	49	48 6/16	28.2	35.9
15	—	—	—	50	49 14/16	29.5	37.6
16	15 1/16	7.6	9.7	51	—	—	—
17	16 9/16	8.9	11.3	52	51 6/16	30.1	38.4
18	—	—	—	53	52 14/16	31.4	40.2
19	18 1/16	9.5	12.1	54	—	—	—
20	19 9/16	10.7	13.6	55	54 7/16	32.0	41.1
21	—	—	—	56	55 15/16	33.3	42.9
22	21 2/16	11.4	14.4	57	—	—	—
23	22 10/16	12.6	16.0	58	57 7/16	34.0	43.8
24	—	—	—	59	58 15/16	35.2	45.5
25	24 2/16	13.2	16.8	60	—	—	—
26	25 10/16	14.5	18.3	61	60 7/16	36.5	47.3
27	—	—	—	62	62	37.2	48.2
28	27 2/16	15.1	19.1	63	—	—	—
29	28 11/16	16.4	20.7	64	63 8/16	38.4	50.0
30	—	—	—	65	—	—	—
31	30 3/16	17.0	21.4	66	65	39.1	50.8
32	31 11/16	18.2	23.0	67	66 8/16	40.4	52.5
33	—	—	—	68	—	—	—
34	33 3/16	18.9	23.8	69	68 1/16	41.0	53.4
35	34 12/16	20.1	25.3	70	69 9/16	42.3	55.1
36	—	—	—	71	—	—	—
37	36 4/16	20.7	26.1	72	71 1/16	42.9	55.9
38	37 12/16	22.0	27.6				
39	—	—	—				
40	39 4/16	22.6	28.4				
41	40 13/16	23.9	30.1				
42	—	—	—				
43	42 5/16	24.5	30.9				
44	43 13/16	25.7	32.6				
45	—	—	—				
46	45 5/16	26.4	33.4				

Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9	86.1	54.1	34.0	21.4	13.5
30	181.4	114.1	71.7	45.1	28.4	17.8	11.2
35	155.5	97.8	61.5	38.7	24.3	15.3	9.6
40	136.0	85.5	53.8	33.8	21.3	13.4	8.4
45	120.9	76.0	47.8	30.1	18.9	11.9	7.5
50	108.8	68.4	43.0	27.1	17.0	10.7	6.7
55	98.9	62.2	39.1	24.6	15.5	9.7	6.1
60	90.7	57.0	35.9	22.6	14.2	8.9	5.6
65	83.7	52.6	33.1	20.8	13.1	8.2	5.2
70	77.7	48.9	30.7	19.3	12.2	7.6	4.8
75	72.5	45.6	28.7	18.0	11.3	7.1	4.5
80	68.0	42.8	26.9	16.9	10.6	6.7	4.2
85	64.0	40.3	25.3	15.9	10.0	6.3	4.0
90	60.5	38.0	23.9	15.0	9.5	5.9	3.7
96	56.7	35.6	22.4	14.1	8.9	5.6	3.5

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

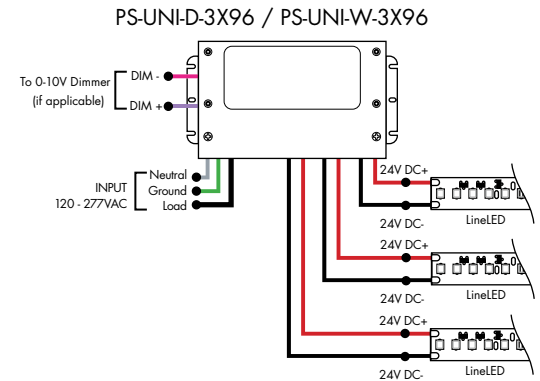
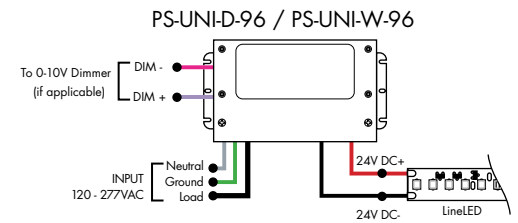
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	UNI-0-10V Dimming, Phase Dimming	D-Dry W-Wet	30-30 Watts 60-60 Watts 96-96 Watts 3x96-3x96 Watts	24-24 VDC

Compatibility: View a complete list of compatible dimmers on product page ([Link](#))

0-10V - 1% dimming
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart

MODELS	PS-UNI-W-30W	PS-UNI-W-60W	PS-UNI-W-96W	PS-UNI-W-3X96W
Length	6.50"	7.40"	8.66"	11.85"
Width	3.73"	3.73"	3.73"	4.32"
Depth	1.61"	1.61"	1.61"	1.81"

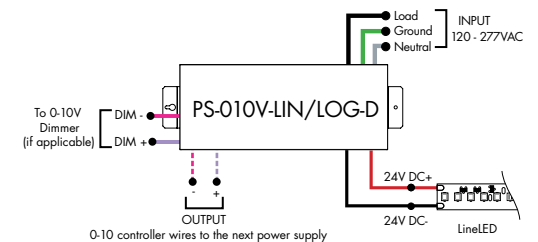
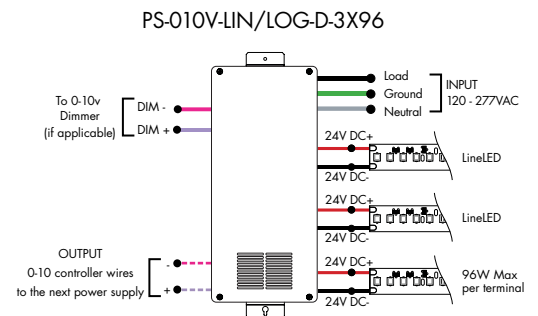
MODELS	PS-UNI-D-30W	PS-UNI-D-60W	PS-UNI-D-96W	PS-UNI-D-3X96W
Length	8.77"	8.77"	8.11"	9.94"
Width	4.27"	4.27"	5.60"	7.61"
Depth	1.83"	1.83"	1.83"	2.02"



Ordering Code 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	010V-LIN-0-10V Dimming (0.1%), Linear 010V-LOG-0-10V Dimming (0.1%), Logarithmic	D-Dry	96-96 Watts 3X96-3x96 Watts	24-24 VDC

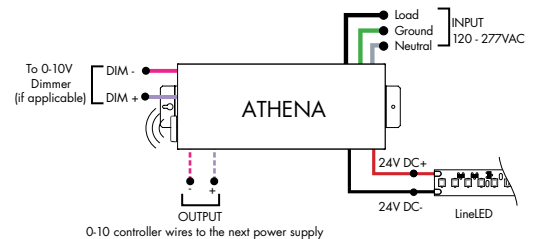
MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"



Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS-Power Supply, 120-277VAC	010V-LIN-0-10V Dimming, Linear 010V-LOG-0-10V Dimming, Logarithmic	D-Dry	96-96 W	24-24 VDC	AWNR-Athena

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"



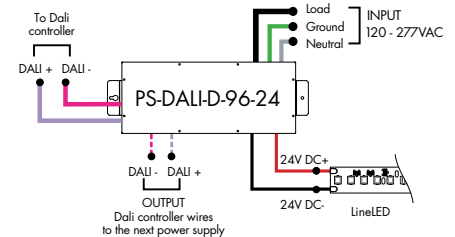
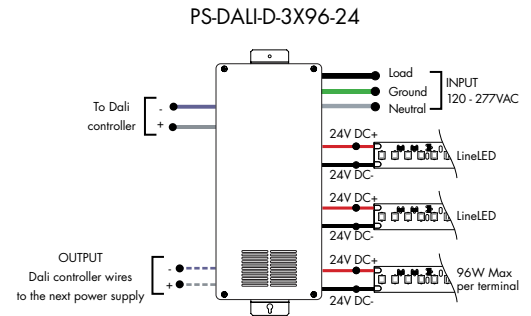
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Ordering Code DALI1 Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	DALI-DALI (0.1%)	D-Dry	96-96 Watts 3X96-3X96 Watts	24-24 VDC

Model	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

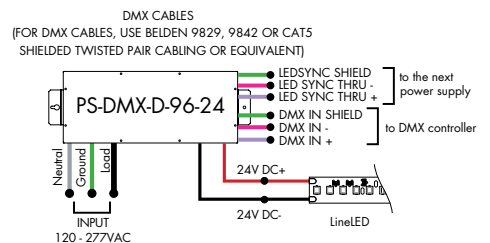
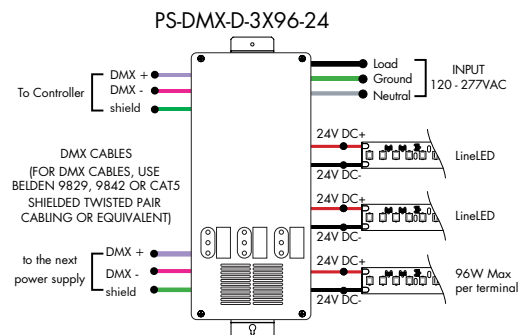


Ordering Code DMX Dimming Power Supplies 0.1% 120VAC - 277VAC Requires Zonal Control

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	DMX-DMX (0.1%)	D-Dry	96-96 Watts 3X96-3X96 Watts	24-24 VDC

*Zonal control power supplies. Control multiple tapes/zones using DMX channels.

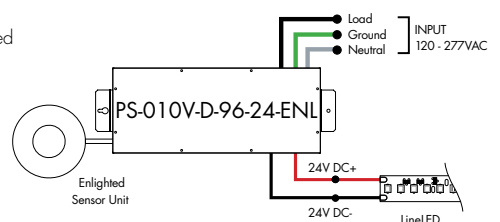
MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"



Ordering Code Enlighted Enabled Dimming Power Supplies 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS-Power Supply, 120-277VAC	010V-0-10V Dimming (1%)	D-Dry	96-96 Watts	24-24 VDC	ENL-0-10V Enlightened

Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"



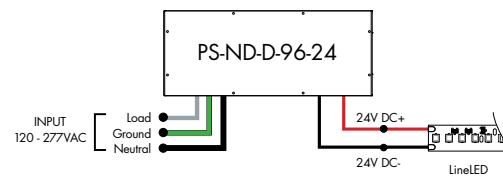
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Ordering Code Non-Dimming Power Supply 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
PS-Power Supply, 120-277VAC	ND-Non Dimming	D-Dry	96-96 Watts	24-24 VDC

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

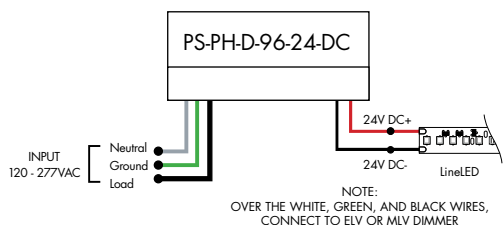


Ordering Code Phase Dimming Power Supply 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
PS-Power Supply, 120-277VAC	PH-Phase Dimming (Triac, ELV, MLV)	D-Dry	96-96 Watts	24-24 VDC	DC-Direct Current

MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart ([link](#))

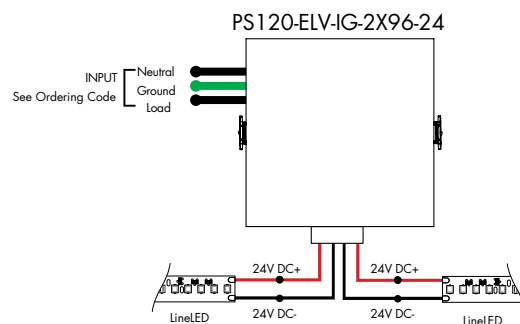
MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"



Ordering Code In-Ground Power Supplies

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
PS120-Power Supply, 120VAC PS240-Power Supply, 240VAC PS277-Power Supply, 277VAC	ELV-ELV Dimming (1%)	IG-In Ground	2X96-2X96 Watts	24-24 VDC

MODELS	2X96W
Length	8.40"
Width	8.30"
Depth	8.10"



Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.



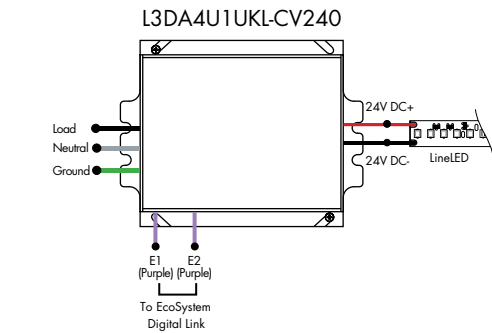
Luminii is a Lutron OEM Advantage Partner
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver
40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"



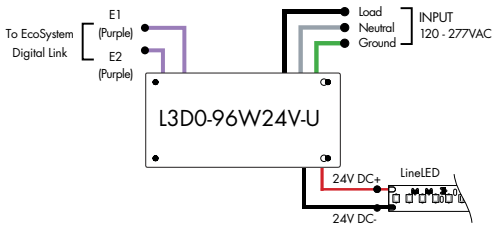
Luminii is a Lutron OEM Advantage Partner
Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™
96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



3. 64 Mt. Vernon Street

-Recommended Approval

Background: The applicant is seeking approval for changes to a previously approved design (changes to windows and doors for residential use, the omission of the chimney and side porch).

Staff Comment: Recommend Approval

Stipulations:

1. _____
2. _____
3. _____

Cyrus Beer
64 Mount Vernon St.
Portsmouth, NH 03801

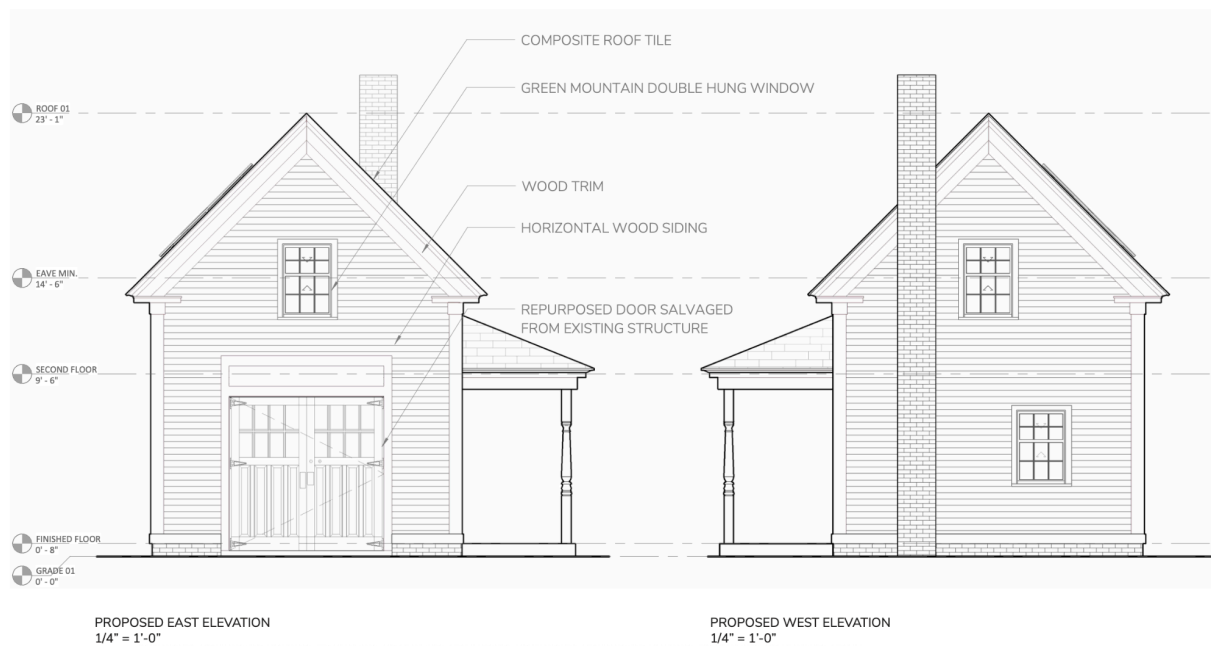
Subject: Proposed alterations to the accessory structure at 64 Mount Vernon St.

To the HDC

I would like to propose several changes to the original design approved in the Spring of 2024 to the accessory structure I am building in my back yard that I plan to turn into an ADU.

EAST / WEST ELEVATIONS

Approved design



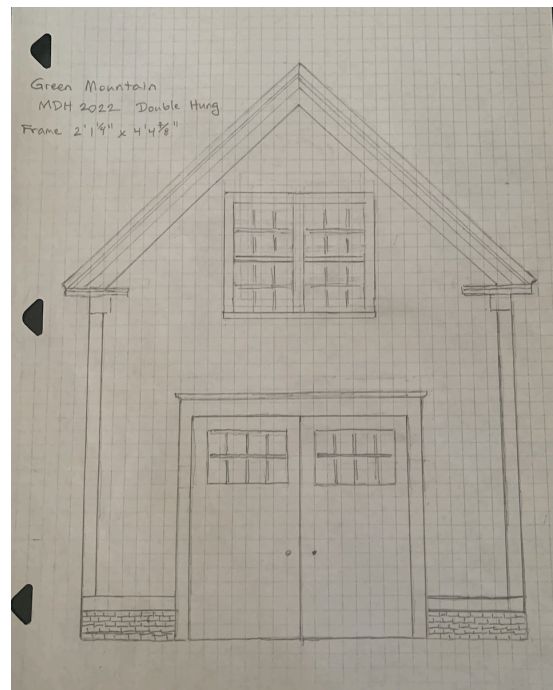
Proposed Changes

East Side

1. Replace barn doors with new in-kind custom wood barn doors. Doors will be made by Andrew Neubauer of Barrington NH who specializes in wood barn doors.

<https://carriagedoorsnh.com/>. The reason for this is the existing doors are just too warped to weather seal.

2. Replace single second floor window with a side by side pair of windows. This allows us to get more sunlight into the second floor with a smaller sized window, so that the first floor windows are larger than the second floor windows.



West Side

1. Do not build the chimney. On the exterior I don't have the setback and on the interior there is just not enough room for a wood stove or any type of fireplace.
2. Change the first floor window to a door. This is the natural egress to get into town as it is the most direct route. Note, the view here is severely restricted by a 10 foot concrete wall directly behind the structure as shown below, making this elevation almost impossible to see in the real world.
3. Change the second floor window to a double window to match the east side.



NORTH / SOUTH ELEVATIONS

Approved design

PROPOSED NORTH + SOUTH ELEVATION

7 OF 8



Proposed Changes

North Side

Do not build the porch. We realized that if and when we rent this out, if we give the new tenant this porch we are essentially giving them our whole back yard. Also the natural egress is to the west as it is the shortest distance to town. There is no reason to leave the structure on the north side except to come into our yard, which we do not want. The new proposed design matches the north side to the already approved south side as shown below by the framing I have already done.



South Side

No changes

4. 235 Marcy Street

-Recommended Approval

Background: The applicant is seeking approval for changes to a previously approved design (change to the rear addition footprint and window placement changes).

Staff Comment: Recommend Approval

Stipulations:

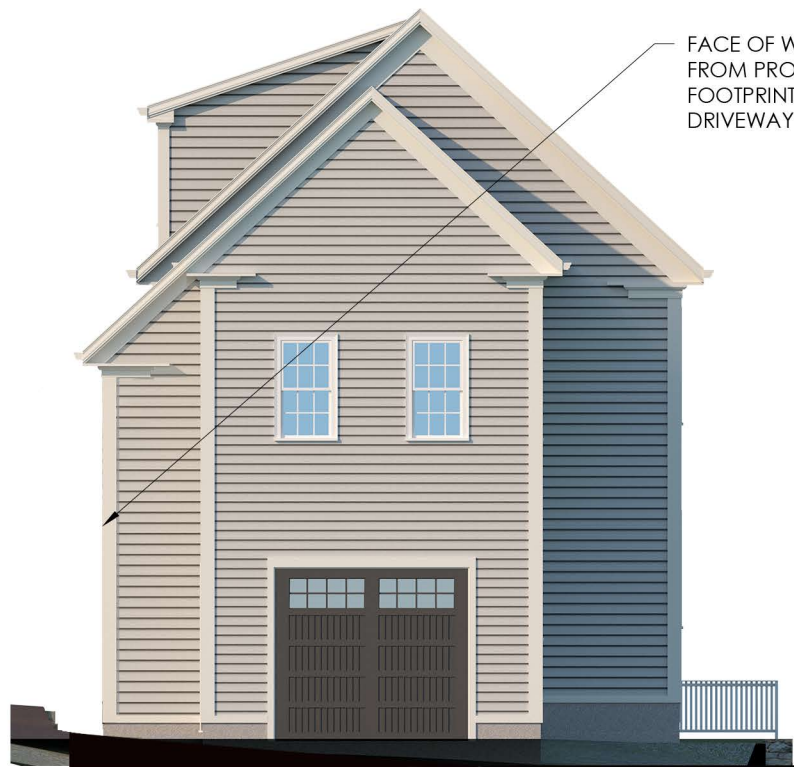
1. _____
2. _____
3. _____



(4/2/25) PREVIOUSLY APPROVED EAST ELEVATION



(4/2/25) PREVIOUSLY APPROVED SOUTH ELEVATION



PROPOSED EAST ELEVATION

WINDOW LOCATIONS HAVE BEEN MOVED TO ACCOMMODATE INTERIOR STAIR. THE INTERIOR STAIR WAS RELOCATED TO ACCOMMODATE EXISTING GRANITE LEDGE AT THE LOWER LEVEL.



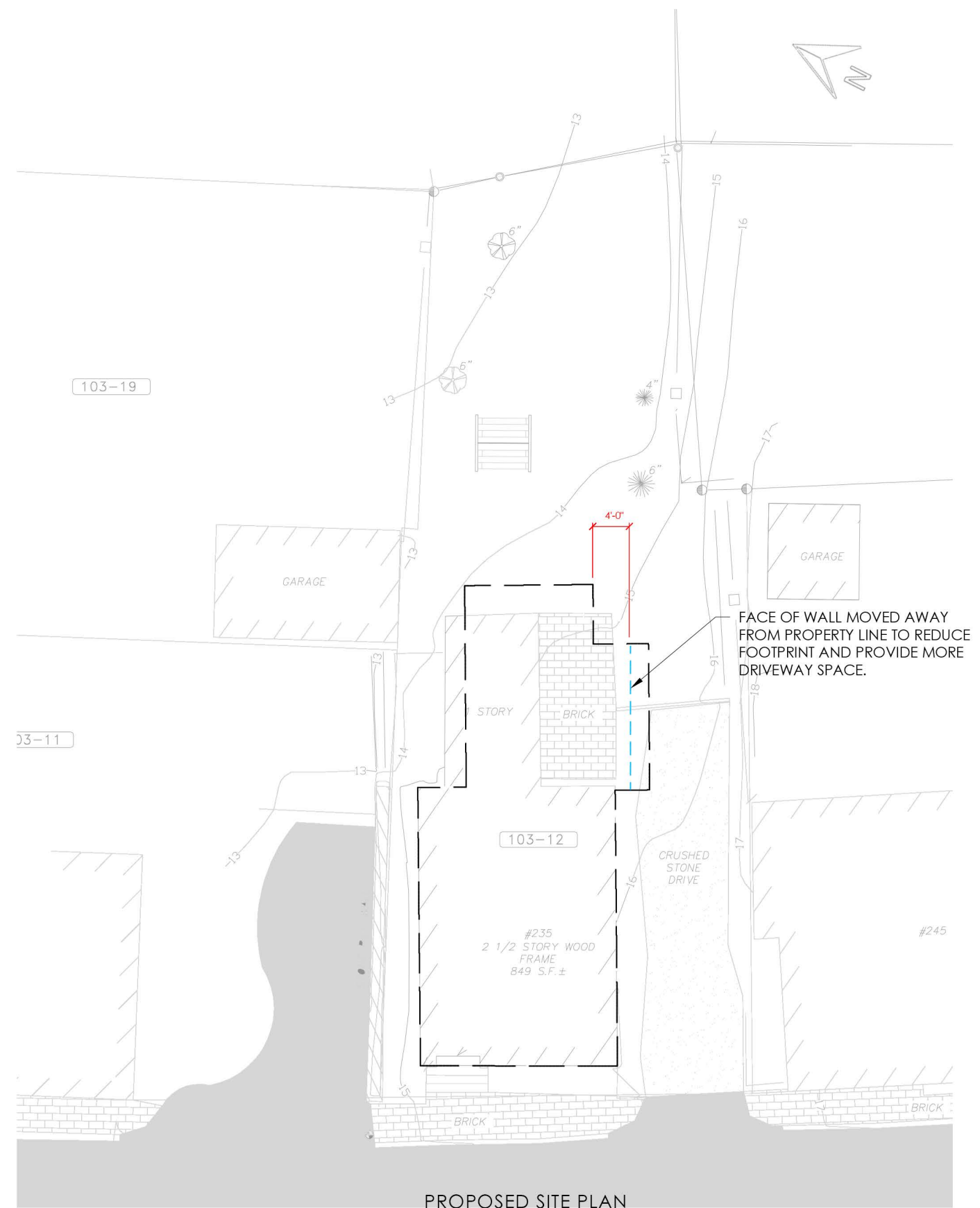
PROPOSED SOUTH ELEVATION

235 MARCY STREET
PORTSMOUTH, NEW HAMPSHIRE

PREVIOUSLY APPROVED & PROPOSED ELEVATIONS
SCALE: 1/8" = 1'-0"
HDC APPLICATION FOR ADMINISTRATIVE APPROVAL: OCTOBER 1, 2025



3.0



235 MARCY STREET
PORTSMOUTH, NEW HAMPSHIRE

SITE PLAN

HDC APPLICATION FOR ADMINISTRATIVE APPROVAL: OCTOBER 1, 2025



4.0

5. 139 South Street, Unit A

-Recommended Approval

Background: The applicant is seeking approval for changes to the previously approved design (change window manufacturer, revision of mutin patterns of new windows and French door to match the main house, change (2) rear replacement windows with matching square windows and rebuild access panels below front deck.

Staff Comment: Recommend Approval

Stipulations:

1. _____
2. _____
3. _____

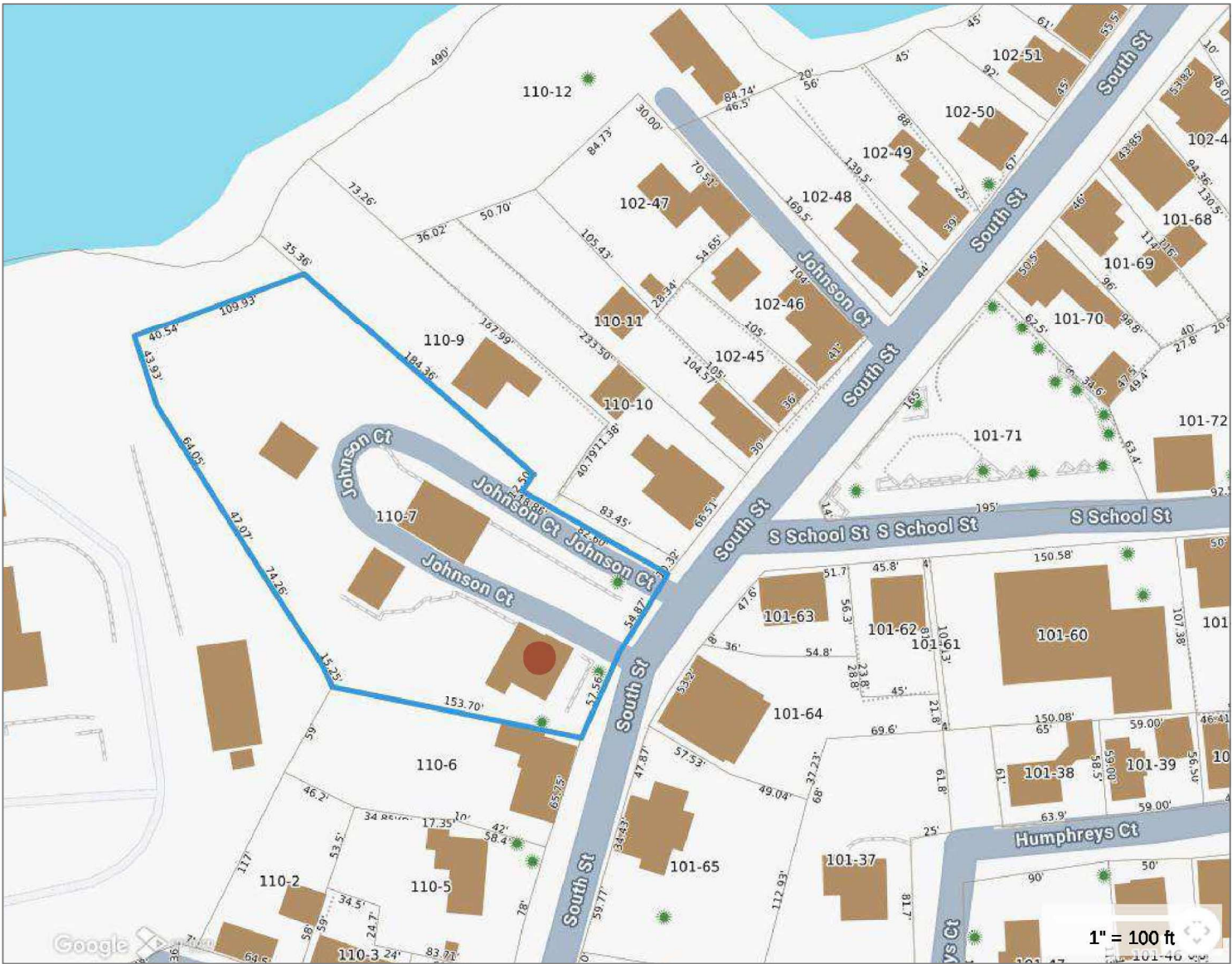


Table of Contents

1. Cover Sheet and Locus Map (139A South is part of a HOA)
2. Existing Condition Photos
3. Window Muntins Revisions & Conditions to be Updated
4. Window Muntin Revisions

Amendments to a Previously Approved Application

1. Change previously approved Marvin to LePage Aluminum Clad Windows and French Door2.
2. Revisions of muntin patterns in new Windows and French Door to match main house
3. Change (2) atypical replacement windows at back with (2) matching square awnings
4. Rebuild access panels to area below front deck



1. Front Elevation



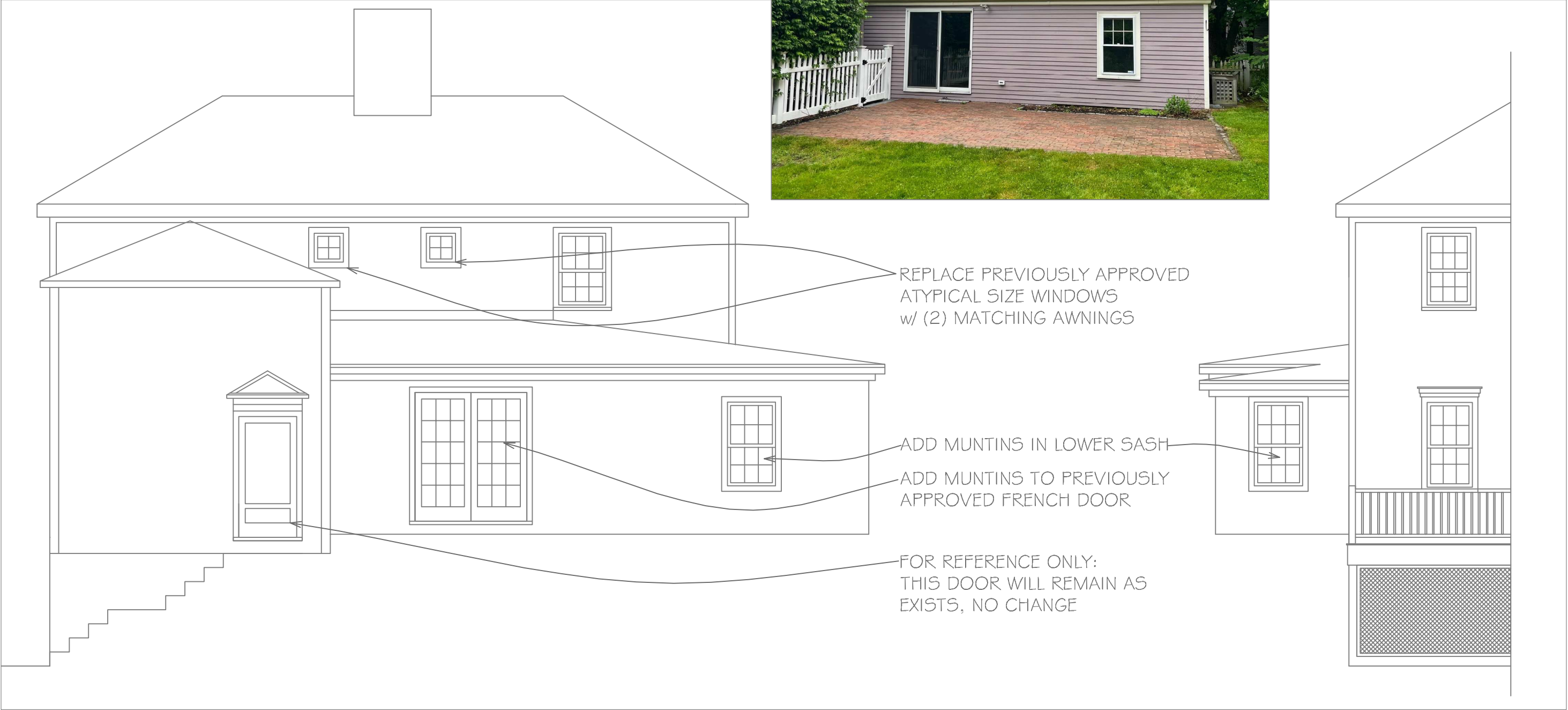
2. Right Side Elevation



3. Back Elevation



1. Right Side Elevation



1.Back Elevation

2.Partial Elevation from Street
(Showing Window in Back Addition)

139A South Street, Portsmouth, New Hampshire

Auger Building Company

Window and Muntin Pattern Changes

$\frac{3}{16}$ "=1'-0"

AA

9.2025

SHT. 4

6. 50 Austin Street

-Recommended Approval

Background: The applicant is seeking approval for a change in the approved window manufacturer (from Marvin to Andersen) the change will keep all window sizes the same, except for (1) window that will decrease in width by 6 inches to match the window opposite.

Staff Comment: Recommend Approval

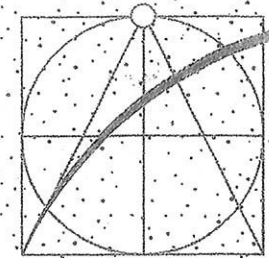
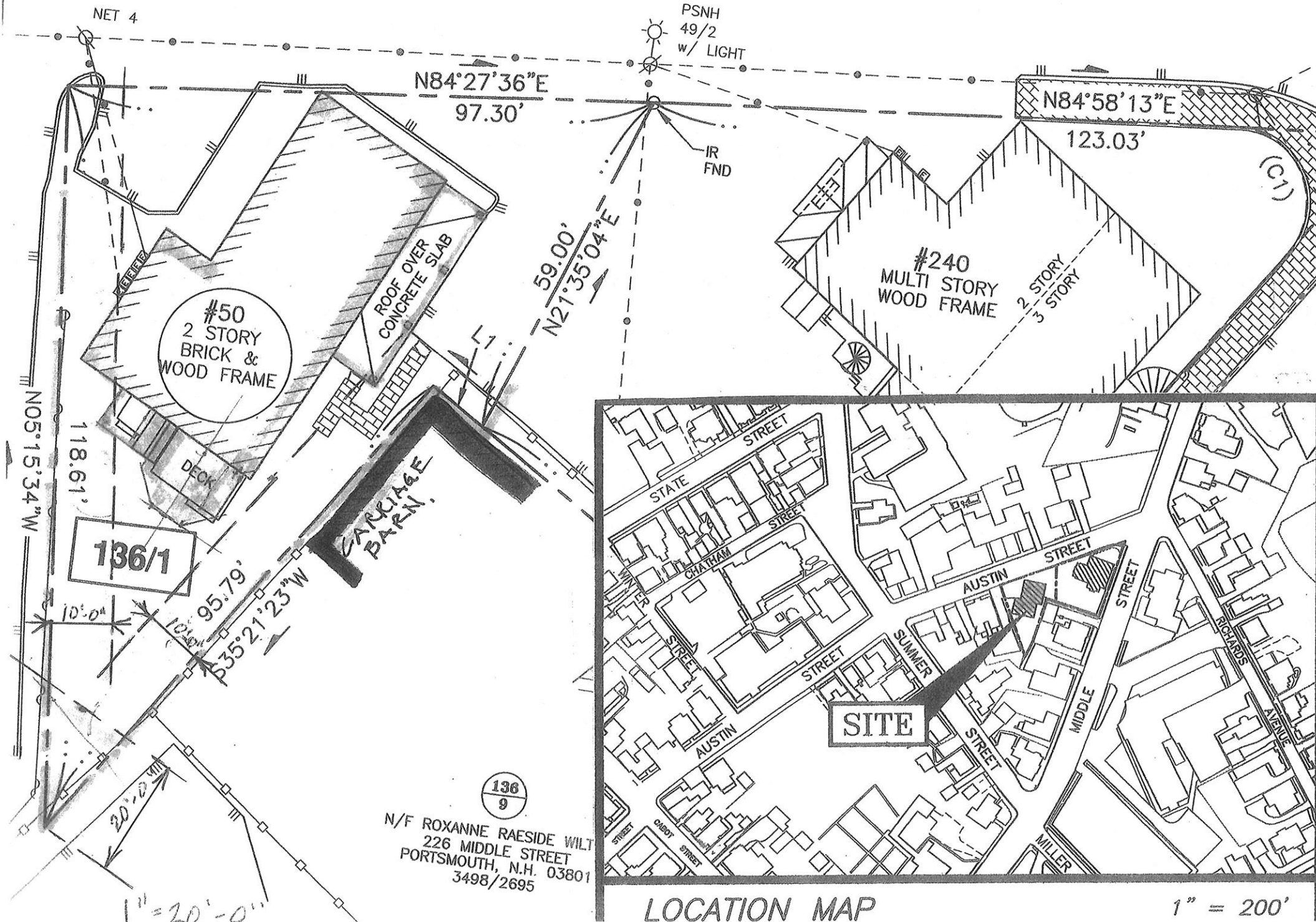
Stipulations:

1. _____
2. _____
3. _____

Original Submission

AUSTIN

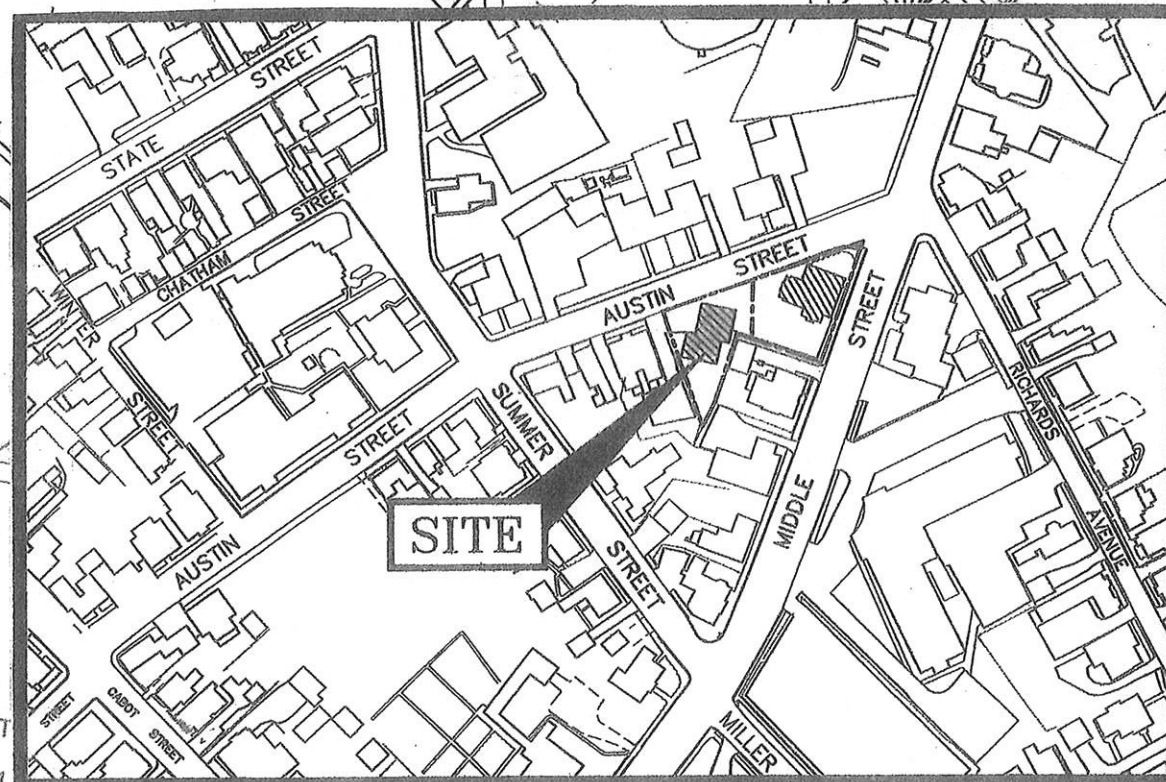
STREET



RAWLING
DESIGN
ASSOCIATES

DESIGNERS • PLANNERS

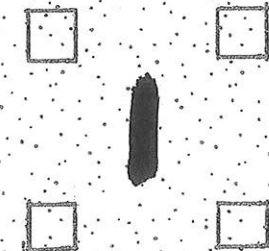
411 Middle Street
Portsmouth NH 03801
603.430.4013



LOCATION MAP

1" = 200'

50 AUSTIN ST.
PORTSMOUTH, NH
ADDITION
ENCLOSED PORT



01.18.25

10.521 Table of Dimensional Standards – Residential and Mixed Residential Districts

2

05.23.20

	R	SRA	SRB	GRA	GRB	GRC	GA/MH	MRO	MRB	50 AUSTIN
Minimum Lot Dimensions										
Lot area	5 acres	1 acre	15,000 sf	7,500 sf	5,000 sf	3,500 sf	5 acres	7,500 sf	7,500 sf	62474 62474
Lot area per dwelling unit	5 acres	1 acre	15,000 sf	7,500 sf	5,000 sf	3,500 sf	10,000 sf	7,500 sf	7,500 sf	
Continuous street frontage	NA	150'	100'	100'	80'	70'	N/A	100'	100'	97.30'
Depth	NA	200'	100'	70'	60'	50'	N/A	80'	80'	119' varies
Minimum Yard Dimensions										
Front	50'	30'	30' ¹	15'	5'	5'	30' ¹	5'	5' ¹	Coverage exist - 11448 11448
Side	20'	20'	10'	10'	10'	10'	25'	10'	10'	1448 1448
Rear	40'	40'	30'	20'	25'	20'	25'	15'	15'	1448 1448
Maximum Structure Dimensions										
Structure height	35'	35'	35'	35'	35'	35' ²	35' ²	40'	40'	Add. 200' 200'
Roof appurtenance height	8'	8'	8'	8'	8'	8'	8'	10'	10'	244' 244'
Building coverage	5%	10%	20%	25%	30%	35%	20%	40%	40%	27% 27%
Minimum open space	75%	50%	40%	30%	25%	20%	50%	25%	25%	45624 45624

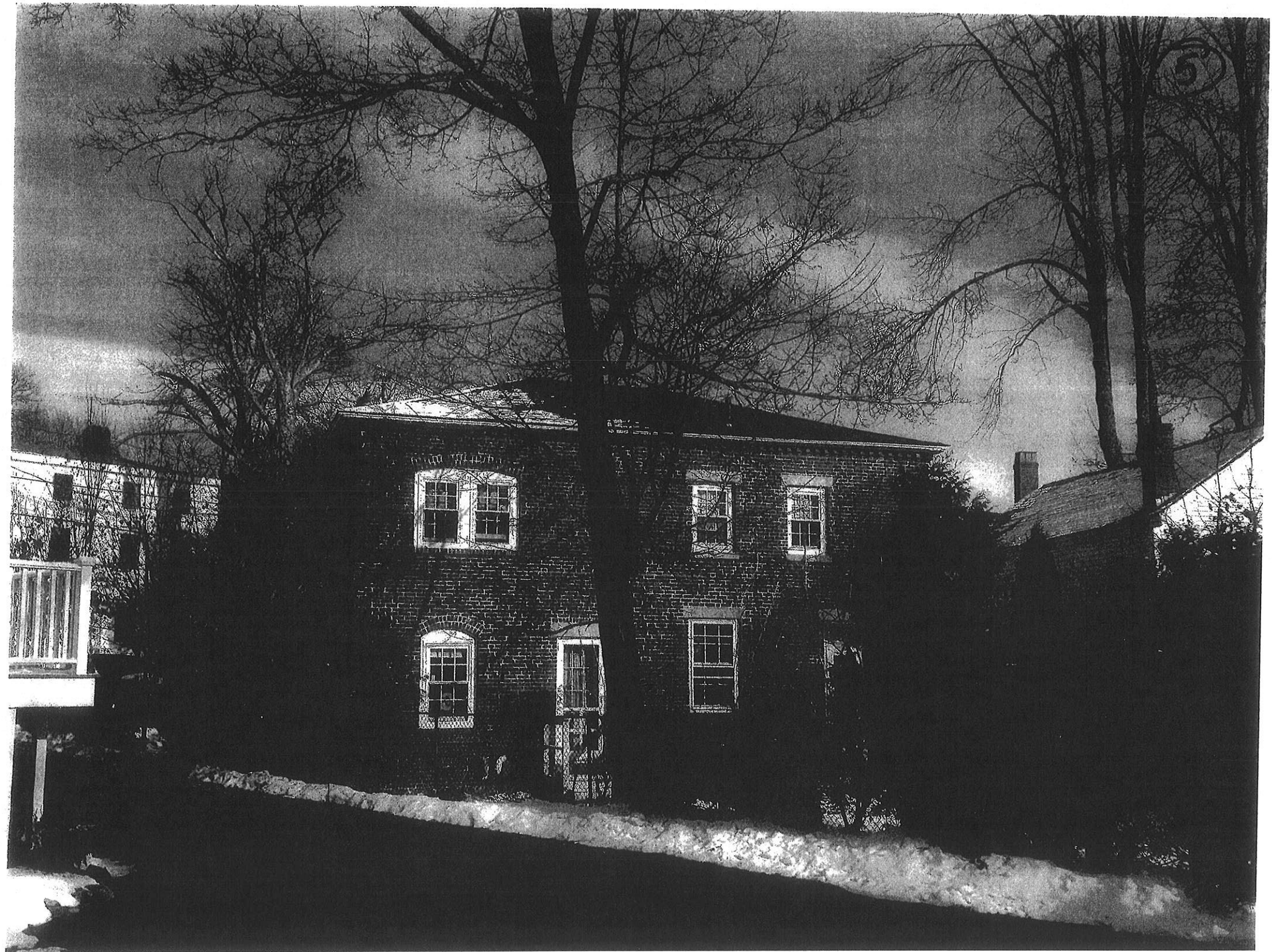
NA = Not Applicable NR = No Requirement

Notes:

- See Section 10.533 for special requirements on Lafayette Road.
- Within the General Residence C and Garden Apartment/Mobile Home Park districts an additional 8' of height may be added to the maximum structure height in order to provide for multifamily dwellings that include vehicular parking spaces located within the residential building itself, if the additional height results in increased open space when compared to a site plan showing what open spaces would remain if required parking spaces were located in the open and in accessory structures.











NEW TO MATCH



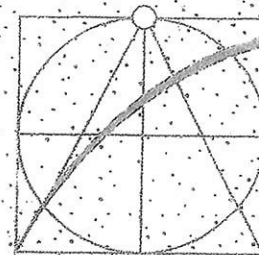


411 Middle Street
Portsmouth NH 03801
603.430.4013

50 AUSTIN ST.
PORTSMOUTH, NH
ADDITION
ENCLOSURE

01.18.25





RAWLING
DESIGN
ASSOCIATES

DESIGNERS • PLANNERS

411 Middle Street
Portsmouth NH 03801
603.430.4013

50 AUSTIN ST.
PORTSMOUTH, NH
ADDITION
ENCLOSED PORCH



10

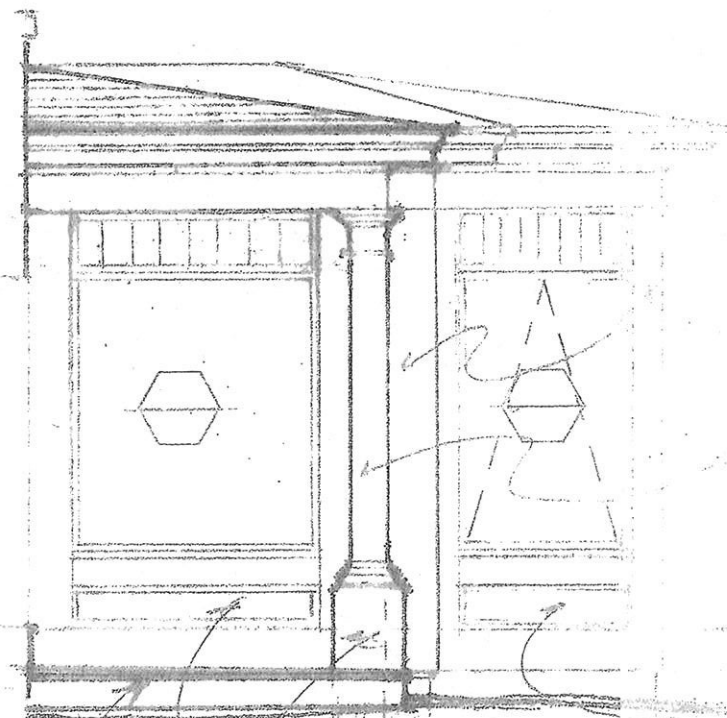


01.18.25



01.18.25

- DOOR ADDED
- WINDOW MODIFIED

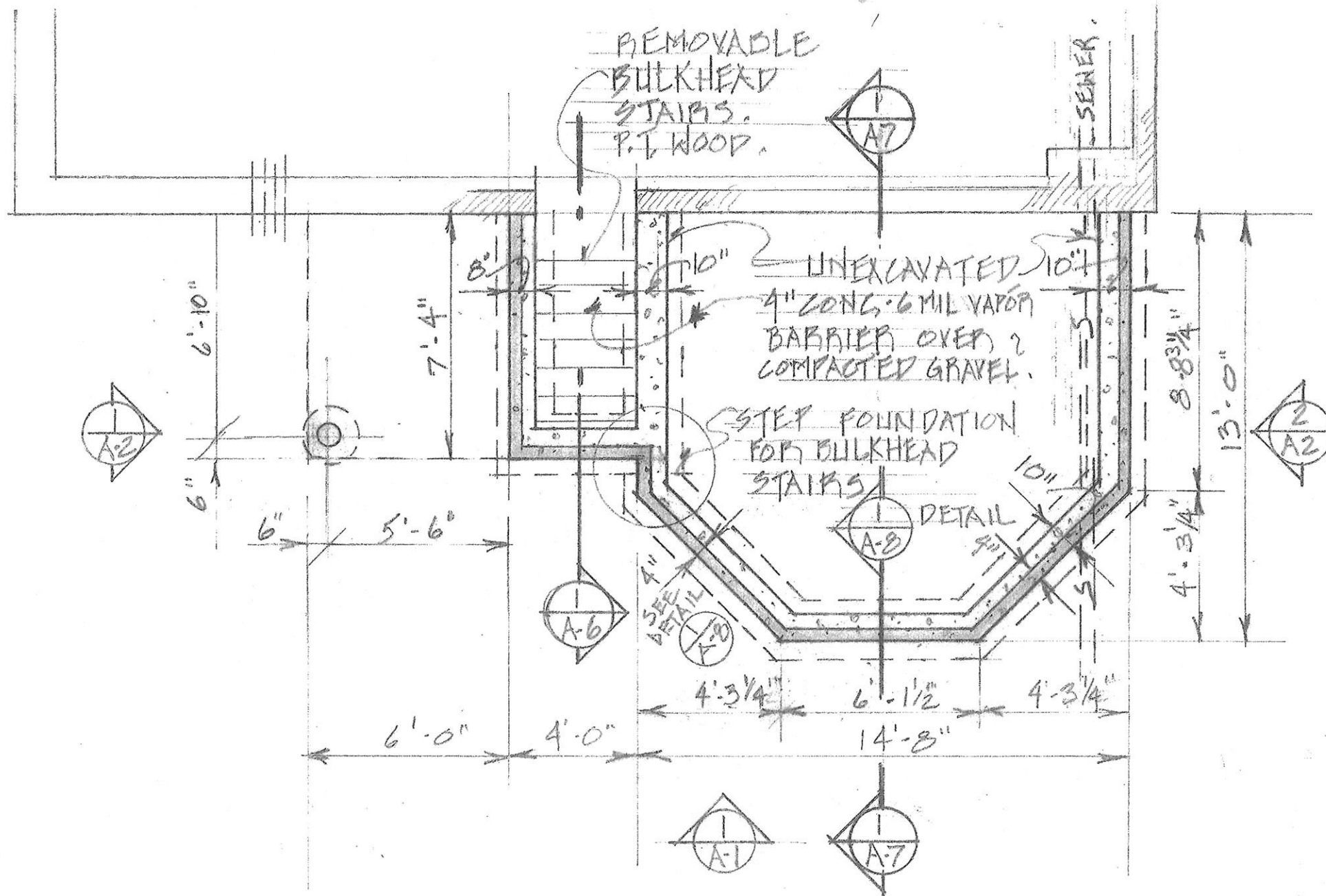


1 FRONT ELEVATION



2 REAR ELEVATION

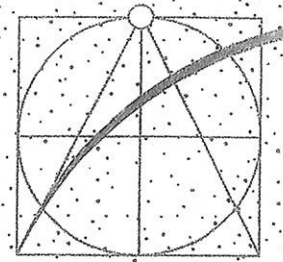
1.5



1
A-3

FOUNDATION PLAN

1/4" = 1'-0"



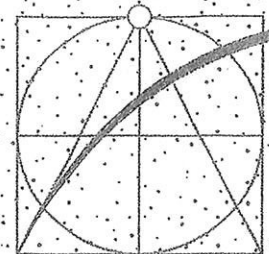
**RAWLING
DESIGN
ASSOCIATES**
DESIGNERS • PLANNERS

411 Middle Street
Portsmouth NH 03801
603.430.4013

50 AUSTIN ST
PORTSMOUTH, NH
ADDITIONAL
ENCLOSED FORMS

01.18.25

14310



RAWLING
DESIGN
ASSOCIATES

DESIGNERS • PLANNERS

411 Middle Street
Portsmouth NH 03801
603.430.4013

50 AUSTIN ST.
PORTSMOUTH, NH
ADDITION
ENCLOSED PORCH



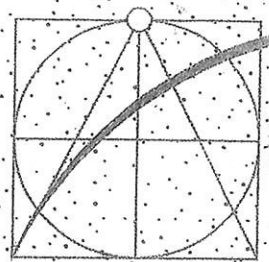
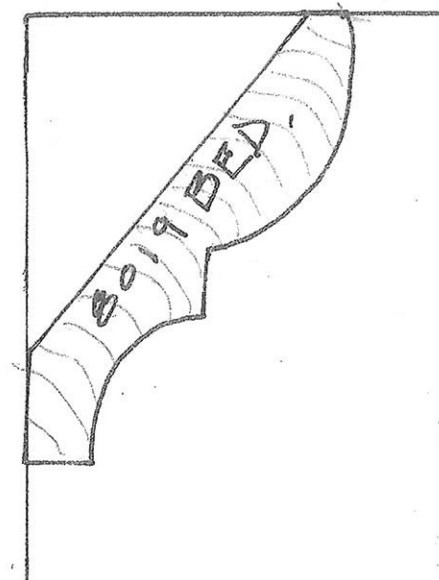
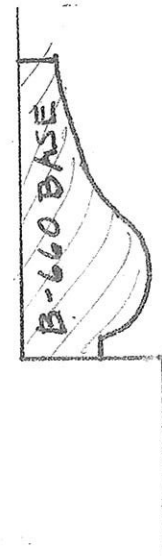
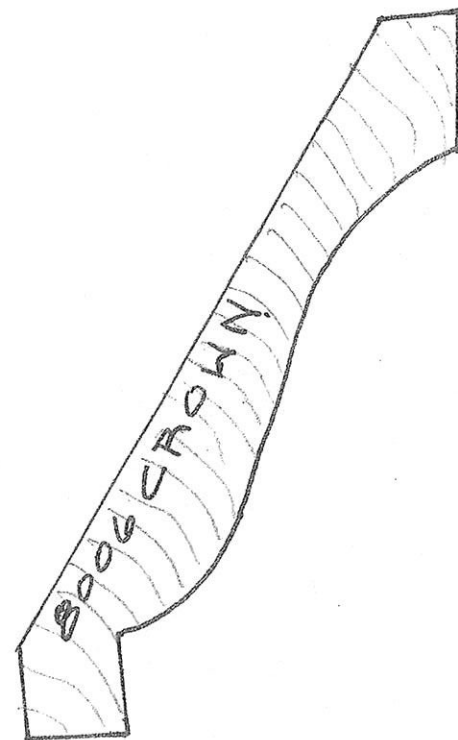
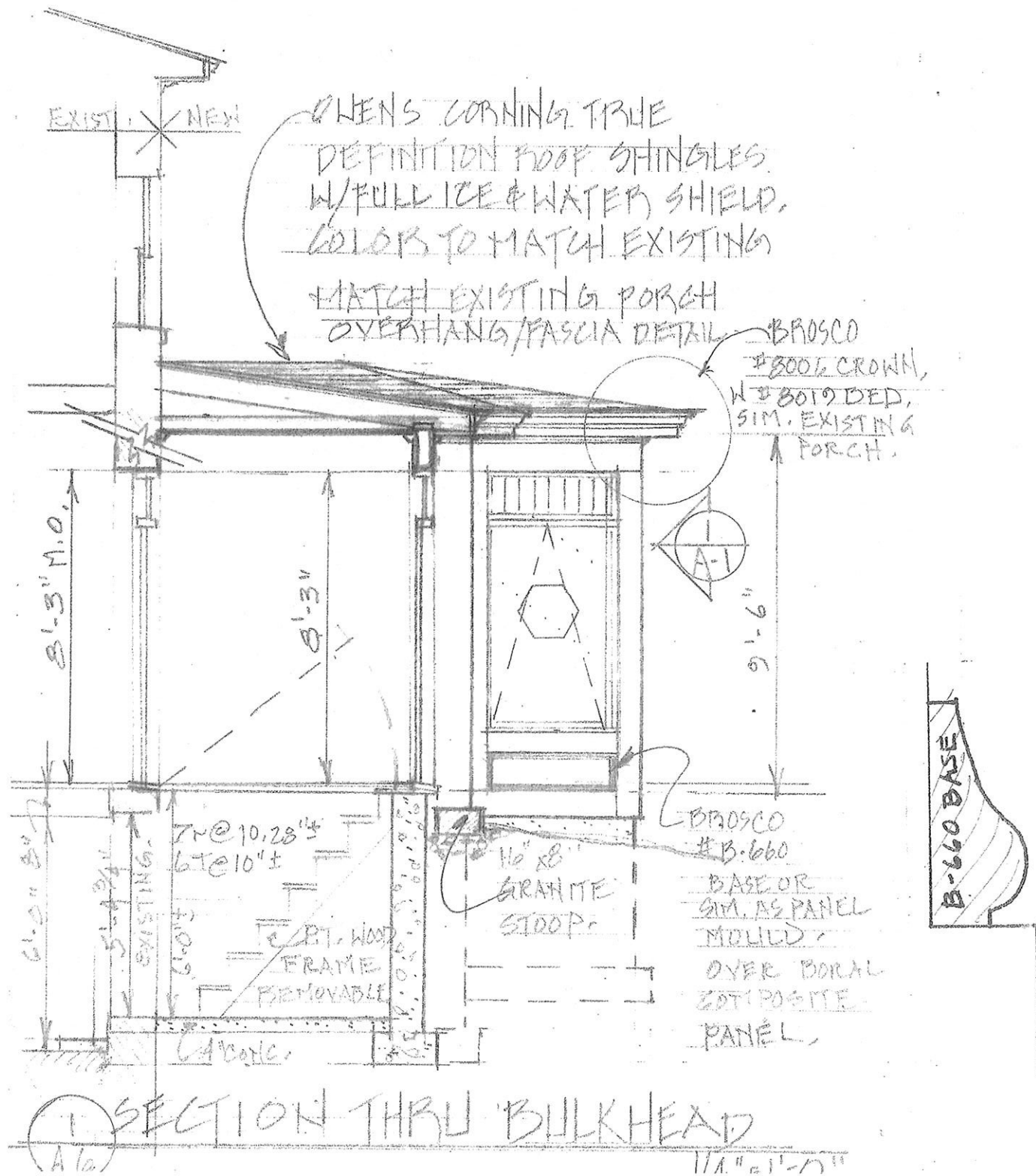
1
A-5

ROOF PLAN

1/4"=1'-0"

13

01.18.25



RAWLING
DESIGN
ASSOCIATES
DESIGNERS • PLANNERS

411 Middle Street
Portsmouth NH 03801
603.430.4013

50 ALLEN ST.
PORTSMOUTH, NH
ENCLOSURE
ENCLOSURE



14

01.18.25

Round Tapered **PERMA**Cast® Columns

COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTHS AVAIL. (ft.)
6"	5 1/4"	4 3/4"	9"	1 1/4"	1 1/4"	3/8"	3/4"	1 1/4"	1 3/8"	8"	1"	6 1/4"	3 3/8"	4 1/2"	4, 6, 8
8"	7 1/4"	6 1/4"	10 1/4"	1 3/4"	1 3/4"	3/4"	1 1/8"	1 1/4"	1 1/2"	9 1/4"	1 1/2"	2 1/4"	4 1/4"	4 1/4"	5, 6, 8, 10, 12
10"	9 1/4"	8 1/4"	13 1/4"	2 1/4"	2 1/4"	3/4"	1 1/8"	1 1/4"	1 3/4"	11 1/4"	1 3/4"	2 3/4"	5 1/4"	5 1/4"	6, 8, 10, 12, 14, 16, 18
12"	11 1/4"	9 3/4"	16 1/4"	2 3/4"	2 3/4"	7/8"	1 1/8"	1 3/4"	2 1/4"	13 1/4"	3/4"	2 3/4"	6 1/4"	5 3/4"	8, 10, 12, 14, 16, 18, 20, 22, 24, 26
14"	13 1/4"	11 1/4"	19 1/4"	3 1/4"	3 1/4"	1 1/8"	1 1/8"	2"	2 3/4"	17"	7/8"	2 3/4"	7 1/4"	7"	10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30
16"	15 1/4"	13 1/4"	22"	3 3/4"	3 3/4"	1 1/8"	1 1/8"	2 1/4"	2 3/4"	19 1/4"	1"	3"	8 3/8"	8"	12, 14, 16, 18, 20, 22, 24, 26, 28, 30
18"	17 1/4"	15 1/4"	24 1/4"	4"	4"	1 1/8"	1 1/8"	2 3/4"	3"	22 1/4"	1 1/4"	10 1/4"	9 1/4"	8 3/8"	14, 16, 18, 20, 22, 24, 26, 28, 30
20"	19 1/4"	17 1/4"	27"	4 3/4"	4 3/4"	2"	1 1/8"	2 3/4"	3 1/4"	24 1/4"	1 1/2"	10 3/4"	11 1/4"	9"	16, 18, 20, 22, 24, 26, 28, 30
22"	21 1/4"	19 1/4"	30 1/4"	5"	5"	2"	1 1/8"	3"	3 3/4"	27 1/4"	1 1/2"	10 3/4"	12"	10 3/4"	18, 20, 22, 24, 26, 28, 30
24"	23 1/4"	21 1/4"	33 1/4"	6"	5 3/4"	2 1/4"	2"	3 1/4"	4"	30 1/4"	1 1/2"	10 3/4"	13 1/4"	11 1/4"	20, 22, 24, 26, 28, 30
28"	28"	24 1/4"	38"	6 3/4"	6 1/4"	2 3/4"	2 1/4"	3 3/4"	4 1/4"	33 1/4"	1 3/4"	10 3/4"	15 1/4"	11 3/4"	20, 22, 24, 26, 28, 30
30"	29 1/4"	26 1/4"	41 1/4"	6 3/4"	5 3/4"	2 3/4"	3"	4"	4 3/4"	38 1/4"	1 3/4"	10 3/4"	14 1/4"	14 1/4"	20, 22, 24, 26, 28, 30

*There may be a variance of up to 1/4" in all dimensions. Fluted columns available in all diameters. See page 16 for Parallel dimensions. See page 18 for Decorative Capital dimensions. □ Standard Fluted Column (Fluted in mold)

• Split columns are not load bearing.

COLUMN-LOC®

Column-Loc® creates a continuous connection from floor to beam/header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal and high wind areas. Currently available for 8" and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with and without threaded rod in lengths up to 12'.



PLUMB-FIT®

To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the Plumb-Fit® patented (Patent 9689674) installation system included.

ROUND PERMACAST® PORCH INSTALLATION BRACKET

The HB&G Porch Installation Bracket includes the bracket and all required hardware. The bracket fits 20" - 30" Plain Round PermaCast® Columns and will secure a 2nd story porch to our PermaCast® Columns. Three brackets are required for each column.



ROUND PERMACAST® INSIDE DIMENSIONS

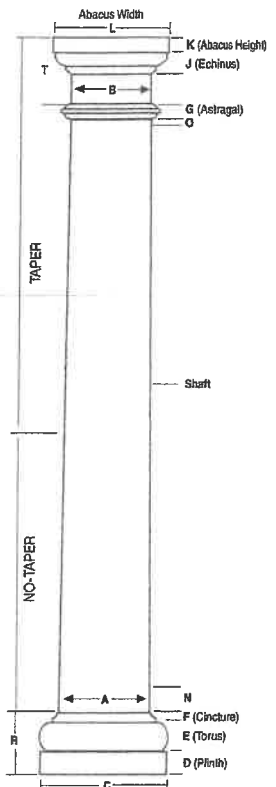
Inside dimension may vary up to 1/8". Splitting a column will decrease inside dimension 1/8".



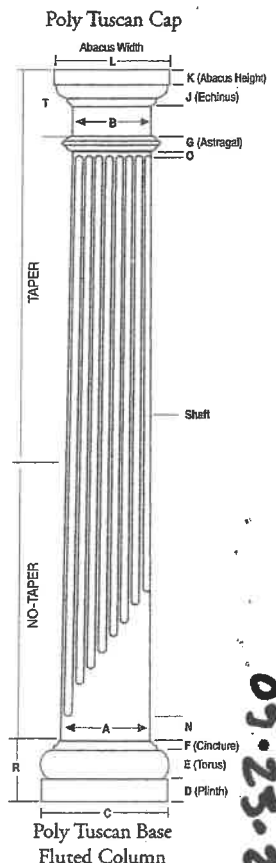
COLUMN SIZE	TOP I.D.	BOT I.D.
6"	3 3/8"	4 1/8"
8"	5 1/8"	6 1/8"
10"	7 1/8"	8 1/8"
12"	8 3/8"	10 1/8"
14"	10 1/8"	12 1/8"
16"	12 1/8"	14 1/8"
18"	14 1/8"	16 1/8"
20"	16 1/8"	18 1/8"
22"	18 3/8"	20 1/8"
24"	20 1/8"	22 1/8"
28"	22 3/8"	26 1/8"
30"	25 1/8"	28 1/8"

*Plain columns only

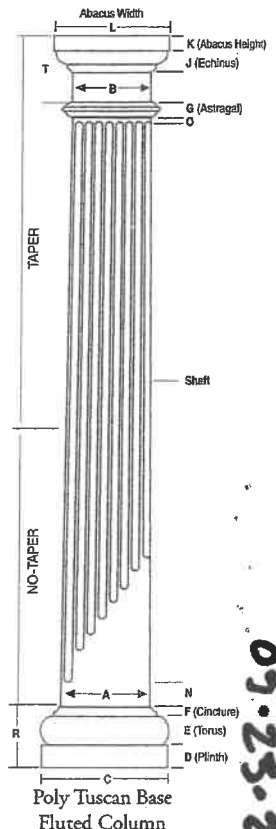
Poly Tuscan Cap



Poly Tuscan Base Plain Column

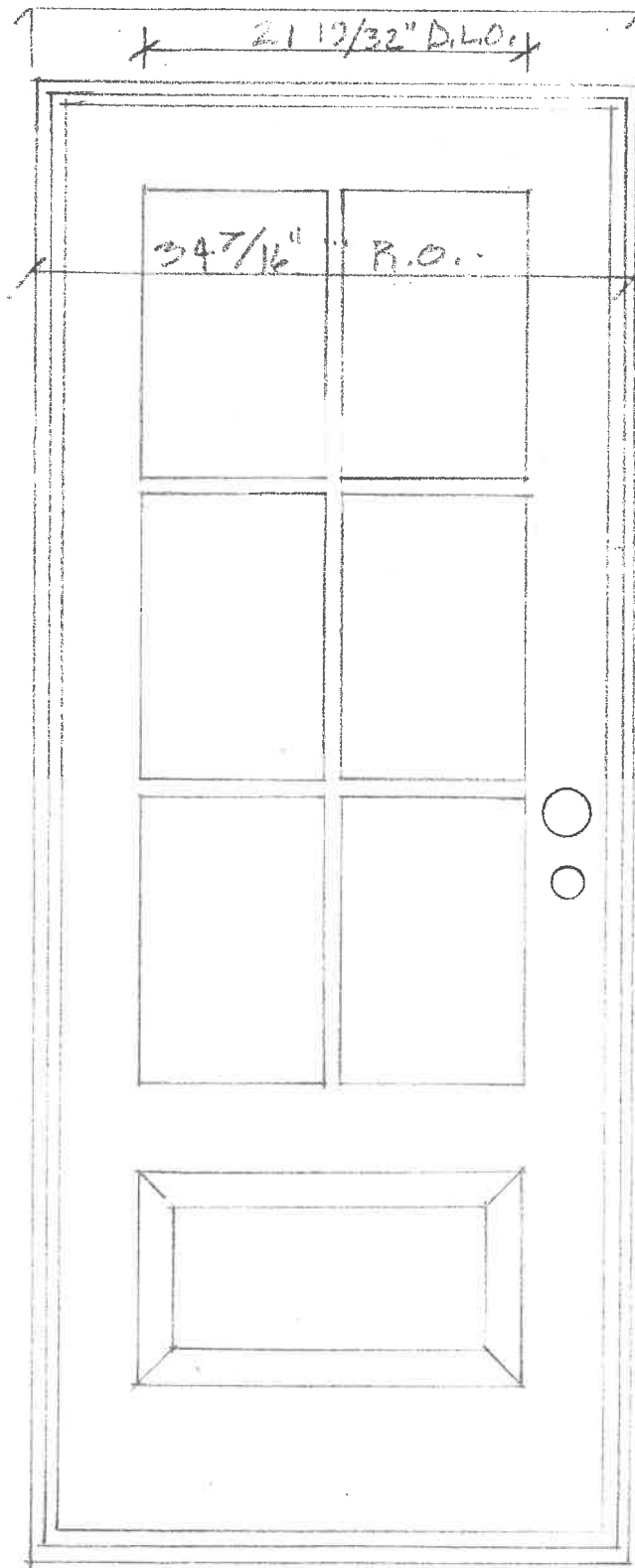


Poly Tuscan Cap



Poly Tuscan Base Fluted Column

05.25.20
14



Therma-Tru Fiberglass - 50 L/W/G/64s

LEAD GLASS - SIMULATED DIVIDED LIGHTS W/ BRONZE
GRILLES BETWEEN GLASS CONTAINING MULTIPLE GLASS

15

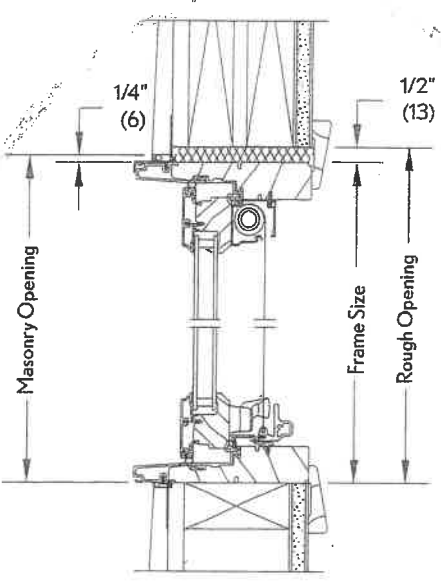
05-23-2

16
05:23:2

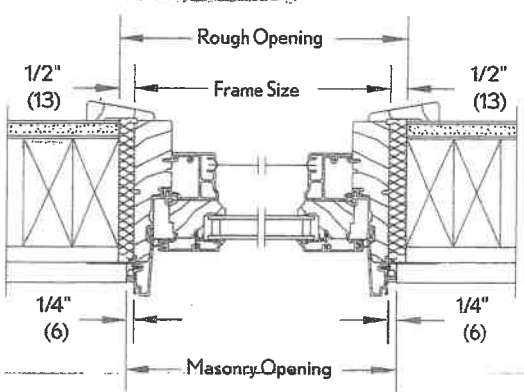
Marvin

CLAD ULTIMATE PUSH OUT AWNING

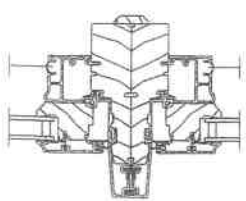
CONSTRUCTION DETAILS



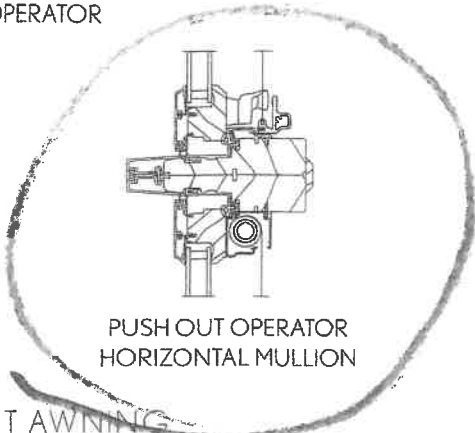
PUSH OUT
HEAD JAMB AND SILL - OPERATOR



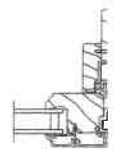
PUSH OUT
JAMB - OPERATOR



PUSH OUT OPERATOR
VERTICAL MULLION



PUSH OUT OPERATOR
HORIZONTAL MULLION



PUSH OUT
VERTICAL

CLAD ULTIMATE AWNING/PUSH OUT AWNING

Max. Ops. (mm)	1-4 1/2 (419)	1-6 1/2 (469)	1-8 1/2 (520)	2-1 1/2 (622)	2-2 1/2 (673)	2-4 1/2 (723)	2-6 1/2 (774)	2-8 1/2 (825)	3-1 1/2 (876)	3-4 1/2 (928)
Rough Opn. (mm)	1-5 (431)	1-7 (482)	1-9 (533)	2-1 (635)	2-3 (688)	2-5 (736)	2-7 (787)	2-9 (838)	3-1 (890)	3-5 (1041)
Frame Size (mm)	1-4 (406)	1-6 (457)	1-8 (508)	2-0 (609)	2-2 (660)	2-4 (711)	2-6 (762)	2-8 (812)	3-0 (914)	3-4 (1016)
Glass Size (mm)	11 9/32 (287)	13 9/32 (337)	15 9/32 (388)	19 9/32 (490)	21 9/32 (541)	23 9/32 (591)	25 9/32 (642)	27 9/32 (693)	31 9/32 (795)	35 9/32 (896)
	CUPAWN1614	CUPAWN1614	CUPAWN2014	CUPAWN2414	CUPAWN2614	CUPAWN2814	CUPAWN3014	CUPAWN3214	CUPAWN3614	CUPAWN4014
	CUPAWN1614	CUPAWN1614	CUPAWN2014	CUPAWN2414	CUPAWN2614	CUPAWN2814	CUPAWN3014	CUPAWN3214	CUPAWN3614	CUPAWN4014
	CUPAWN1616	CUPAWN1616	CUPAWN2016	CUPAWN2416	CUPAWN2616	CUPAWN2816	CUPAWN3016	CUPAWN3216	CUPAWN3616	CUPAWN4016
	CUPAWN1616	CUPAWN1616	CUPAWN2016	CUPAWN2416	CUPAWN2616	CUPAWN2816	CUPAWN3016	CUPAWN3216	CUPAWN3616	CUPAWN4016

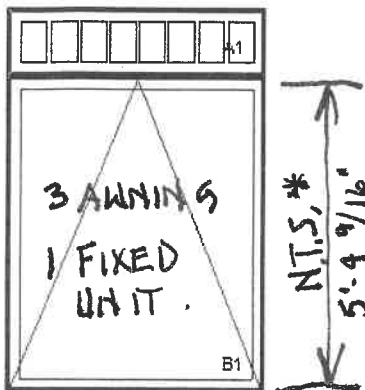
W/5LT.

BAY & COVERED PORCH.

Maher, Sky
awnings

Quote Number: GMFJTYH

MARVIN



As Viewed From The Exterior

Entered As: Size by Units
RO 61" X ~~86 3/4"~~
Egress Information A1, B1
No Egress Information available.

B1-AWNINGS
WAWN ~~7264T~~
6064T.

* REPRESENTATIONAL
DIAGRAM-UNIT
MODIFIED LENGTH &
OPERATIONS TO
1 FIXED UNIT.

1W2H - Rectangle Assembly
Assembly Rough Opening
61" X 86 3/4"

Unit: A1
Ultimate Awning - Stationary
CN 6016
Rough Opening 61" X 15 5/8"
Frame Size 60" X 15 1/8"
Stone White Clad Sash Exterior
Painted Interior Finish - White - Pine Sash Interior
IG - 3/4"
Low E2
Capillary Tube
Stainless Perimeter and Spacer Bar
7/8" SDL - With Spacer Bar - Stainless
Rectangular - Special Cut 8W1H
Stone White Clad Ext - Painted Interior Finish - White - Pine Int
Ogee Interior Glazing Profile
Standard Bottom Rail
White Weather Strip
Solid Wood Covers

Unit: B1
Ultimate Awning - Roto Operating
CN 6072
Rough Opening 61" X ~~71 5/8"~~
Frame Size 60" X ~~71 1/8"~~
Stone White Clad Sash Exterior
Painted Interior Finish - White - Pine Sash Interior
IG - 1 in - 1 Lite
Tempered Low E2 w/Argon
Stainless Perimeter Bar
Ogee Interior Glazing Profile
Standard Bottom Rail
White Weather Strip
Matte Black Folding Handle
Matte Black Multi - Point Lock
Aluminum Screen
White Surround
Charcoal Hi-Transparency Fbrgls Mesh
Standard Mull Charge
6 9/16" Jambs
AL Nailing Fin
***Note: This configuration meets a minimum structural performance of DP 20 through either physical testing or calculations in accordance with AAMA 450 and building code requirements. Mull certification ratings may vary from individual unit certification ratings. Reference the mulling chapter of the ADM for additional information.
***Note: Capillary tubes will be added to ALL Low E glass types without Argon.
***Note: Unit Availability and Price is Subject to Change

Line #5	Mark Unit:			
Qty: 1				

MARVIN

Stone White Clad Exterior
Painted Interior Finish - White - Pine Interior
Ultimate Inswing French Door 4 9/16" - X Left Hand
CN 2868
Rough Opening 34 7/16" X 82 1/2"
Traditional Panels
Stone White Clad Sash Exterior
Painted Interior Finish - White - Pine Sash Interior
IG
Tempered Low E2 w/Argon
Stainless Perimeter and Spacer Bar
7/8" SDL - With Spacer Bar - Stainless
Rectangular - Special Cut 3W3H
Stone White Clad Ext - Painted Interior Finish - White - Pine Int
Ogee Interior Glazing Profile
Stamped Raised Panel Visible Panel Height 12 1/64"

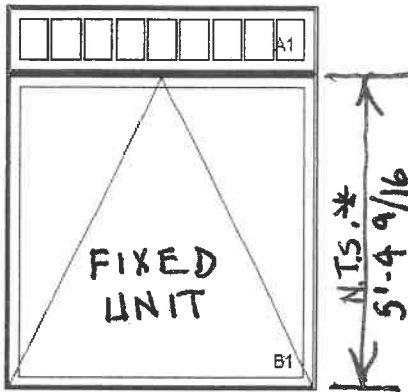
05.23.20
(17)

LINE ITEM QUOTES

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes. Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

Line #3	Mark Unit: 663/4 mullid unit			
Qty: 1				

MARVIN



As Viewed From The Exterior

Entered As: Size by Units
RO 73" X ~~66 3/4~~"
Egress Information A1, B1
No Egress Information available.

FIXED UNIT
7264T.

*REPRESENTATIONAL
DIAGRAM - B1 UNIT
MODIFIED LENGTH, &
OPERATION TO FIXED.

Stone White Clad Exterior
Painted Interior Finish - White - Pine Interior
1W2H - Rectangle Assembly
Assembly Rough Opening
73" X ~~66 3/4~~"

Unit: A1
Ultimate Awning - Stationary
CN 7216
Rough Opening 73" X 15 5/8"
Frame Size 72" X 15 1/8"
Stone White Clad Sash Exterior
Painted Interior Finish - White - Pine Sash Interior
IG - 3/4"
Low E2
Capillary Tube
Stainless Perimeter and Spacer Bar
7/8" SDL - With Spacer Bar - Stainless
Rectangular - Special Cut 9W1H
Stone White Clad Ext - Painted Interior Finish - White - Pine Int
Ogee Interior Glazing Profile
Standard Bottom Rail
White Weather Strip
Solid Wood Covers

Unit: B1
Ultimate Awning - Roto Operating
CN 7272
Rough Opening 73" X ~~71 5/8~~" 5'-4 9/16"
Frame Size 72" X 71 1/8"
Stone White Clad Sash Exterior
Painted Interior Finish - White - Pine Sash Interior
IG - 1 in - 1 Lite
Tempered Low E2 w/Argon
Stainless Perimeter Bar
Ogee Interior Glazing Profile
Standard Bottom Rail
White Weather Strip
Matte Black Folding Handle
Matte Black Multi - Point Lock
Aluminum Screen
White Surround
Charcoal Hi-Transparency Fbrgls Mesh

Standard Mull Charge
6 9/16" Jambs
AL Nailing Fin
***Note: This configuration meets a minimum structural performance of DP 20 through either physical testing or calculations in accordance with AAMA 450 and building code requirements. Mull certification ratings may vary from individual unit certification ratings. Reference the mulling chapter of the ADM for additional information.
***Note: Capillary tubes will be added to ALL Low E glass types without Argon.
***Note: Unit Availability and Price is Subject to Change

Line #4	Mark Unit: 5-18 mullid unit			
Qty: 4				

Stone White Clad Exterior
Painted Interior Finish - White - Pine Interior

05.23.20
18

Window to decrease in width

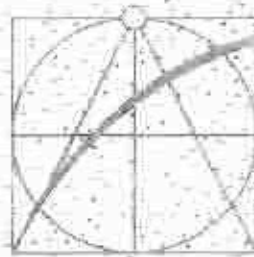
- 01.18.25
- DOOR ADDED
 - WINDOW MODIFIED

MODIFIED
TO MATCH
OPPOSITE
WINDOW

MATCH
WINDOW
DOOR &
TRANSOM
DETAILS

CLAWN
4364

347/116 NO
DOOR



RAWLING
DESIGN
ASSOCIATES

DESIGNER - PLANNER

411 Middle Street
Portsmouth, NH 03801
603.430.4013

50 ALBERT ST.
PORTSMOUTH, NH
03801
ENCLOSURE

10

7. 112 New Castle Avenue

-Recommended Approval

Background: The applicant is seeking approval for the replacement of an existing chimney with a faux chimney.

Staff Comment: Recommend Approval

Stipulations:

1. _____
2. _____
3. _____

Renovation Plan - Chimney
112 New Castle Ave.
Portsmouth, NH 03801
September 12, 2025

Last month, we asked the HDC to consider our request to remove the heating chimney from our house at 112 New Castle Ave. See the two figures below for a picture of the house and chimney, respectively. The chimney hole would have been infilled with asphalt roof shingles, matching the existing roof. This request was denied.

We would also like to update HDC on some of the HVAC design with regard to locations of HVAC equipment and exterior wall penetrations for various vents.

For the chimney, we would now like HDC to consider removal of the entire chimney with construction of a new faux stack, matching the visual appearance of the existing chimney stack in all details. The construction would include:

1. A new thin brick veneer faux stack built with plywood
2. Using the same dimensions as the existing – approximately 16" x 20" x 5'4" high
3. Installed in the same location as the existing chimney.
4. If usable, the cap would be reused. Otherwise, the cap would be new and matched as close as possible to the existing cap.
5. Thin brick for the veneer constructed from the actual chimney brick that would be sliced in the appropriate thickness.

As we stated before, we would like to remove the heating chimney for several reasons: to gain function in the kitchen from opening the wall between the kitchen and dining room; to add space to a small bedroom on the second floor; and to avoid the future cost of maintaining an unnecessary chimney. Our proposed switch to a heat pump system would negate the need for a chimney.

Here is more up-to-date information on the locations of various HVAC and plumbing vents.

1. Plumbing vents - The existing vent location in the kitchen corner will continue to be used for the kitchen and main bath plumbing vents. The venting for the relocated half bath and new beverage sinks will be as close to the heating chimney as possible and in the least visible location. The new en suite bath will likely be vented on the rear facing gable over the living room.
2. HVAC exhaust vents – The main bath will keep the existing exhaust fan location in the rear of the house. The relocated half bath exhaust fan will be installed about three feet forward of and slightly higher than the existing stove exhaust vent. The existing stove vent will be abandoned and in-filled with clapboard. The new en suite exhaust will likely be high on the exterior dining room wall or in its soffit.

3. HVAC equipment – the HVAC condenser will be located on the ground and in the alcove behind the living room extension and is more suitable than the originally proposed location on the rear kitchen corner of the house. The original location is complicated by exterior irrigation piping. Three mini-splits for the first floor will be located high on the rear facing living room wall, high on the dining room wall inside the alcove where the HVAC condenser will be located and high on the sunroom rear wall. The second floor HVAC equipment will be in the attic.

112 New Castle Ave.
Portsmouth, NH 03801

Figure 1
Front of House



112 New Castle Ave.
Portsmouth, NH 03801

Figure 2
Existing Chimney to be Removed



8. 101 Chapel Street

-Recommended Approval

Background: The applicant is seeking approval for a change to a previously approved design (change solar panel layout to accommodate for fire safety access).

Staff Comment: Recommend Approval

Stipulations:

1. _____
2. _____
3. _____

SCOPE OF WORK

SYSTEM SIZE: 20.88kW DC, 15.84kW AC
MODULES: (48) HD HUNDAYI HIN-T435NF(BK) 435W
INVERTERS: (48) ENPHASE: IQ8M-72-2-US MICROINVERTERS
RACKING: IRONRIDGE AIRE RAIL A1
ATTACHMENT: IRONRIDGE AIRE DOCK, WITH L-FOOT

EXISTING SYSTEM:
SYSTEM SIZE: 22.95kW DC, 17.55kW AC
MODULES: (54) HANWHA QCELLS Q.TRON BLK M-G2+ 425W
INVERTERS: (54) ENPHASE: IQ8M-72-2-US MICROINVERTERS

ARRAY TILT: #1 - 27°
ARRAY AZIMUTH: #1 - 59°

ELECTRICAL INFORMATION
UTILITY COMPANY: EVERSOURCE
MAIN SERVICE AMPERAGE: 400A

BUILDING INFORMATION: TWO STORY HOUSE
APN #: PRSM106553
ROOF TYPE: COMP. SHINGLE
NUMBER OF LAYERS: 01
ROOF TRUSSES: 2"X8" @ 24" O.C.

CODE SUMMARY

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODE
2021 NFPA 1 AS AMENDED BY SAF-FMO 300
2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL RESIDENTIAL CODE (IRC)
2018 INTERNATIONAL ENERGY CONSERVATION CODE (IEC)
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL PLUMBING CODE (IPC)
2023 NATIONAL ELECTRICAL CODE (NEC)
STATE FIRE CODE SAF-C 6000

SHEET INDEX

PV-0 COVER SHEET
PV-1 SITE PLAN
PV-2 ARRAY DETAIL
PV-2A STRING LAYOUT
PV-3 ATTACHMENT DETAILS
PV-4 ELECTRICAL LINE DIAGRAM
PV-5 ELECTRICAL CALCULATION
PV-6 PLACARDS
PV-7+ MANUFACTURER SPEC SHEET

GENERAL NOTES:

- PV INSTALLATION COMPLIES WITH THE NEC 2023 ARTICLE 690.12(B)(2).
- PHOTOVOLTAIC SYSTEM IS UNGROUNDED. NO CONDUCTORS ARE SOLIDLY GROUNDED IN THE INVERTER.
- MODULES CONFORM TO AND ARE LISTED UNDER UL 1703.
- INVERTER CONFORMS TO AND IS LISTED UNDER UL 1741.
- RACKING CONFORMS TO AND IS LISTED UNDER UL 2703.
- RAPID SHUTDOWN REQUIREMENTS MET WHEN INVERTERS AND ALL CONDUCTORS ARE WITHIN ARRAY BOUNDARIES PER NEC 690.12(1).
- ARRAY DC CONDUCTORS ARE SIZED FOR DERATED CURRENT.
- 14.32 AMPS MODULE SHORT CIRCUIT CURRENT.
- 22.34 AMPS DERATED SHORT CIRCUIT CURRENT [690.8 (a) & 690.8 (b)].

LEGEND AND ABBREVIATIONS

UM

UTILITY METER

MP

MAIN PANEL

SP

SUB-PANEL

LC

PV LOAD CENTER

PM

DEDICATED PV METER

INV

INVERTER(S) WITH INTEGRATED DC DISCONNECT AND AFCI

AC

AC DISCONNECT(S)

DC

DC DISCONNECT(S)

AC

FUSED AC DISCONNECT

CB

COMBINER BOX

ATS

AUTOMATIC TRANSFER SWITCH

ENPHASE MICROINVERTER

SOLAR MODULES

RAIL

STANDOFFS & FOOTINGS

CHIMNEY

ATTIC VENT

FLUSH ATTIC VENT

PVC PIPE VENT

METAL PIPE VENT

T-VENT

SATELLITE DISH

PROPERTY LINE

INTERIOR EQUIPMENT SHOWN AS DASHED

HARDSCAPE

FIRE SETBACKS

ACCESS PATHWAY

A

AC

AFCI

AZIM

COMP

DC

(E)

EXT

FRM

INT

LBW

MAG

MSP

(N)

NTS

OC

PRE-FAB

PSF

PV

TL

TYP

V

W

AMPERE

ALTERNATING CURRENT

ARC FAULT CIRCUIT INTERRUPTER

AZIMUTH

COMPOSITION

DIRECT CURRENT

EXISTING

EXTERIOR

FRAMING

INTERIOR

LOAD BEARING WALL

MAGNETIC

MAIN SERVICE PANEL

NEW

NOT TO SCALE

ON CENTER

PRE-FABRICATED

POUNDS PER SQUARE FOOT

PHOTOVOLTAIC

TRANSFORMERLESS

TYPICAL

VOLTS

WATTS

1
PV-0
AERIAL VIEW
SCALE: NTS

2
PV-0
VICINITY MAP
SCALE: NTS

ADDITIONAL NOTE:

- EXPANSION SYSTEM. PROJECT INCLUDES SKIRT ON THE LEFT, RIGHT, AND BOTTOM OF THE ARRAY.
- THE SREC ACCOUNT IS UNDER GERALD SIMPKINS, cunstlue1214@gmail.com
- 400AMP SINGLE PHASE SERVICE.
- LOWER EDGE OF EACH ROOF HAS A METAL SECTION, STANDING SEAM.

603 SOLAR
24 CHARTER ST.
EXETER, NH 03833
(603) 570-2607

REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

ST. JOHN'S EPISCOPAL CHURCH

100 CHAPEL ST,
PORTSMOUTH, NH 03801
PHONE #: (603) 988-8347
EMAIL: reginhny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
STEVE

SHEET NAME
COVER SHEET

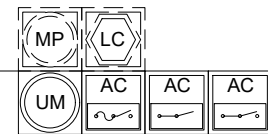
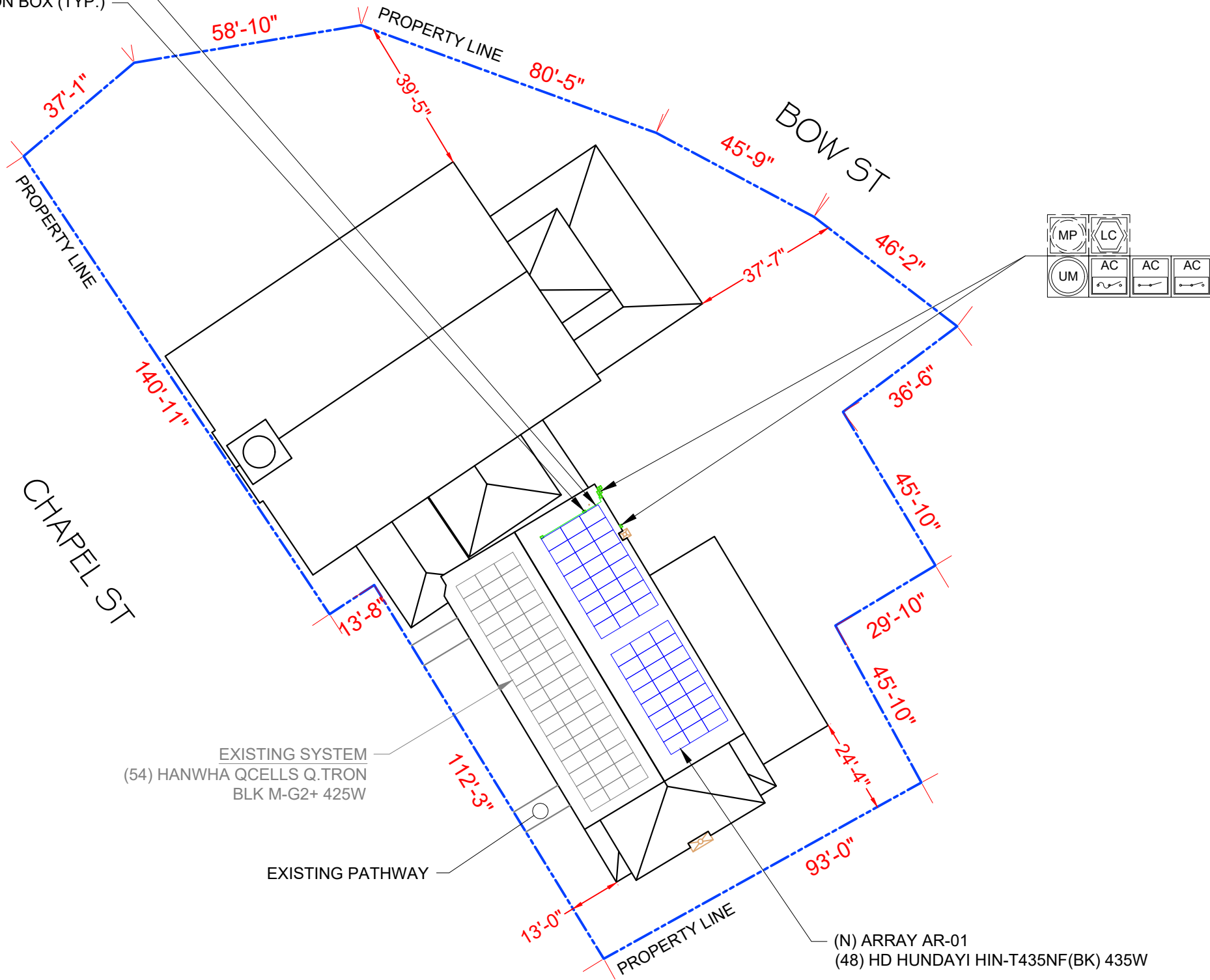
SHEET SIZE
ANSI B 11" X 17"

SHEET NUMBER
PV-0



(N) 3/4" EMT CONDUIT RUN

(N) JUNCTION BOX (TYP.)



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EMAIL: reginnhny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

STEVE

SHEET NAME

SITE PLAN

SHEET SIZE

**ANSI B
11" X 17"**

SHEET NUMBER

PV-1

1

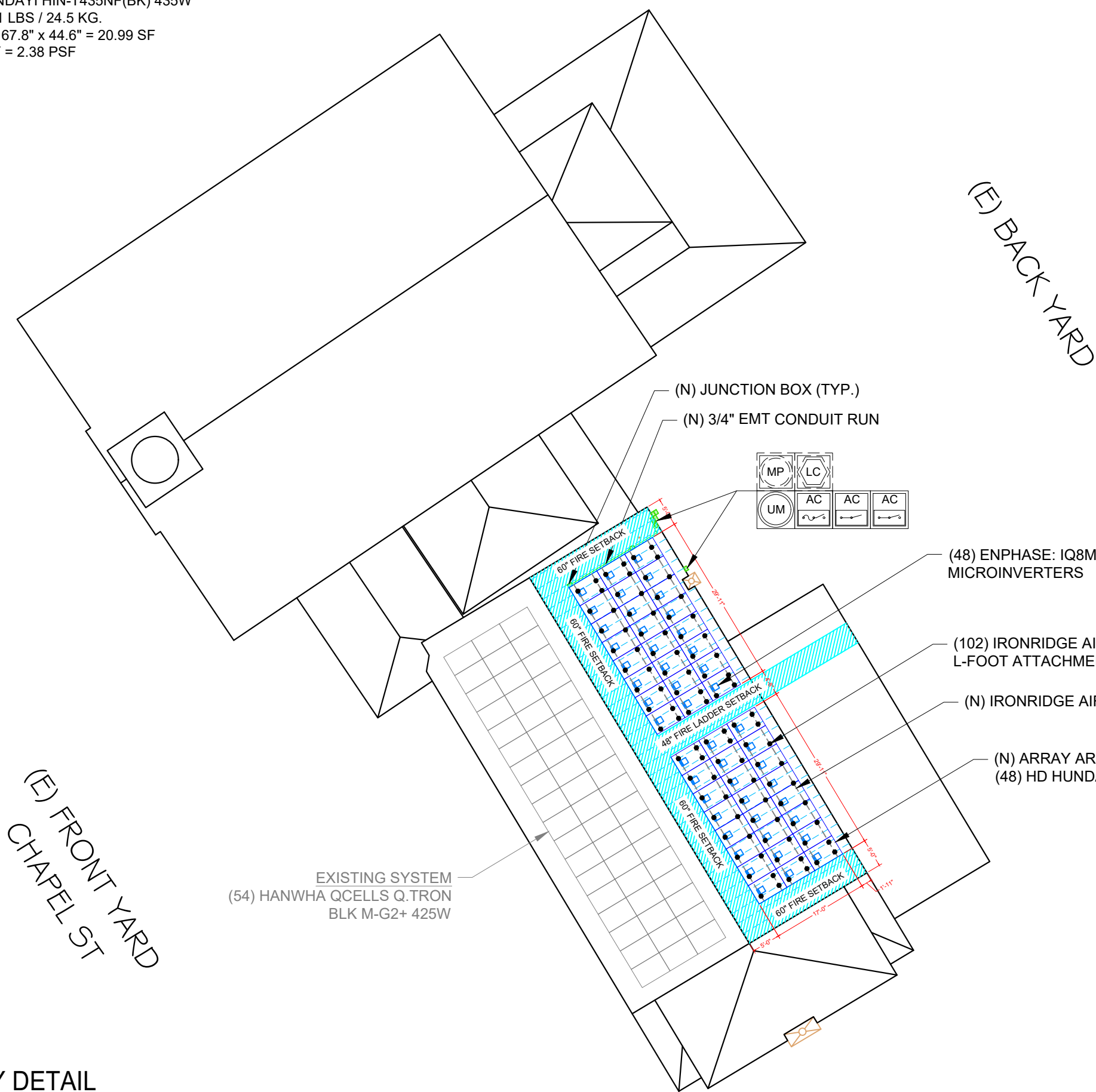
SITE PLAN

PV-1

SCALE: 1/32" = 1'-0"

MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 48 MODULES
MODULE TYPE = HD HUNDAYI HIN-T435NF(BK) 435W
MODULE WEIGHT = 50.01 LBS / 24.5 KG.
MODULE DIMENSIONS = 67.8" x 44.6" = 20.99 SF
UNIT WEIGHT OF ARRAY = 2.38 PSF



ROOF DESCRIPTION				
ROOF TYPE			COMP. SHINGLE	
ROOF	ARRAY TILT	AZIMUTH	TRUSSES SIZE	TRUSSES SPACING
#1	27°	59°	2"X8"	24" O.C.
ARRAY AREA				
ROOF	# OF MODULES	ARRAY AREA (Sq. Ft.)	ROOF AREA (Sq. Ft.)	ROOF AREA COVERED BY ARRAY (%)
#1	48	2140.98	6677.88	32.06

603

SOLAR

603 SOLAR

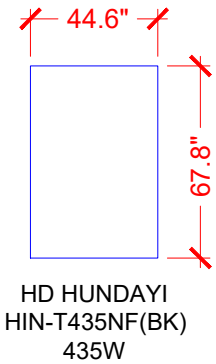
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(603) 570-2607

REVISIONS		
DESCRIPTION	DATE	REV

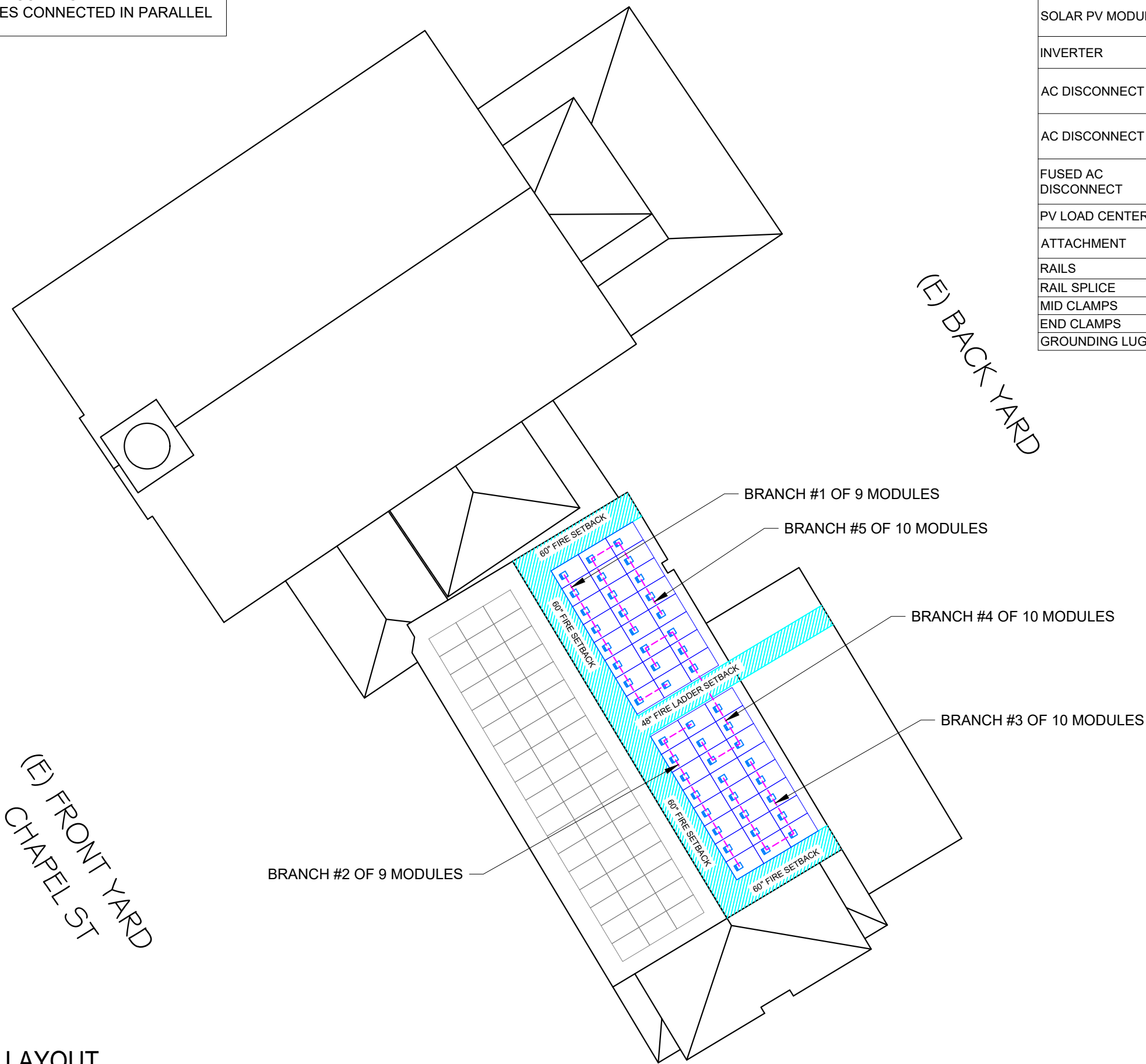
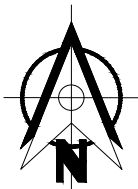
PROJECT NAME & ADDRESS

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100 CHAPEL ST.,
PORTSMOUTH, NH 03801
PHONE #: (603) 988-8347
EMAIL: reginmny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
STEVE
SHEET NAME
ARRAY DETAIL
SHEET SIZE
ANSI B 11" X 17"
SHEET NUMBER
PV-2



- (48) HD HUNDAYI HIN-T435NF(BK) 435W MODULE
- (2) BRANCH OF 9 MODULES CONNECTED IN PARALLEL
- (3) BRANCH OF 10 MODULES CONNECTED IN PARALLEL



BILL OF MATERIALS		
EQUIPMENT	QTY	DESCRIPTION
SOLAR PV MODULE	48	HD HUNDAYI HIN-T435NF(BK) 435W MODULES
INVERTER	48	ENPHASE: IQ8M-72-2-US MICROINVERTERS
AC DISCONNECT	1	AC DISCONNECT: 240V, 200AMP, NEMA 3R, UL LISTED LOCKABLE AND NON-FUSIBLE
AC DISCONNECT	1	AC DISCONNECT: 240V, 200AMP, LOCKABLE KNIFE HANDLE DISCONNECT
FUSED AC DISCONNECT	1	AC DISCONNECT: 240V, 200AMP, FUSED NEMA 3R, UL LISTED WITH 175A FUSES
PV LOAD CENTER	1	200A PV LOAD CENTER, 240V
ATTACHMENT	102	IRONRIDGE AIRE DOCK, WITH L-FOOT ATTACHMENTS
RAILS	30	IRONRIDGE AIRE RAIL A1 170"
RAIL SPLICE	24	SPLICE KIT
MID CLAMPS	84	MID CLAMP
END CLAMPS	24	END CLAMP
GROUNDING LUG	6	IRONRIDGE LUG

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REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

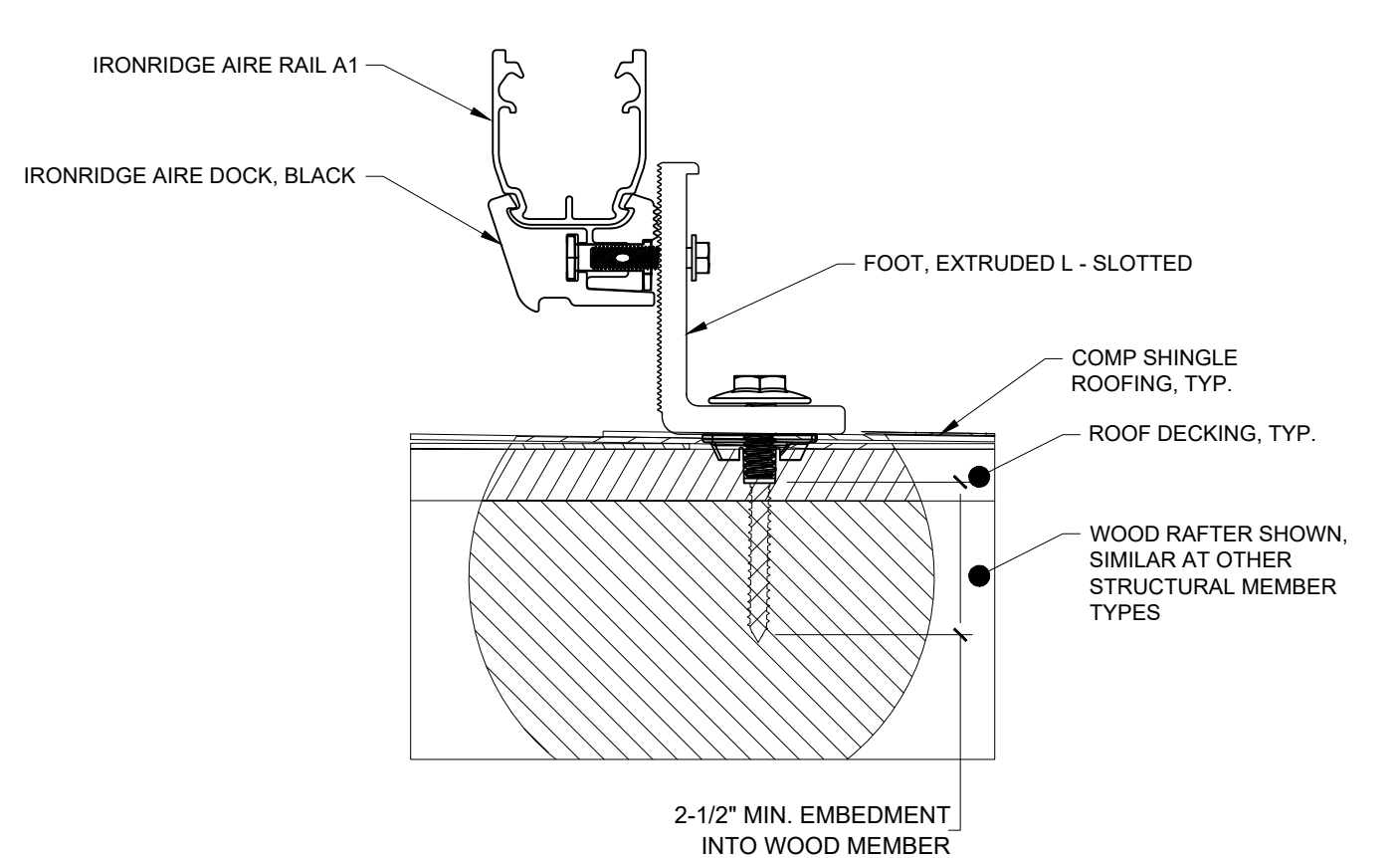
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100 CHAPEL ST.,
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PHONE #: (603) 988-8347
EMAIL: reginhnny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
STEVE

SHEET NAME
STRING LAYOUT

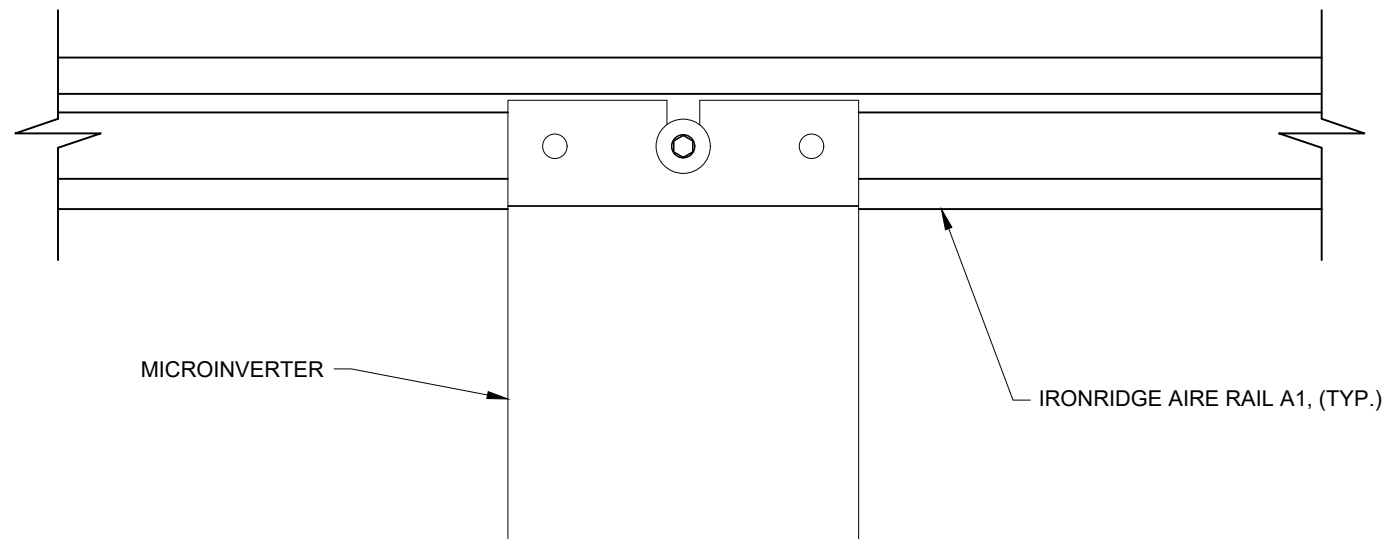
SHEET SIZE
ANSI B
11" X 17"

SHEET NUMBER
PV-2A



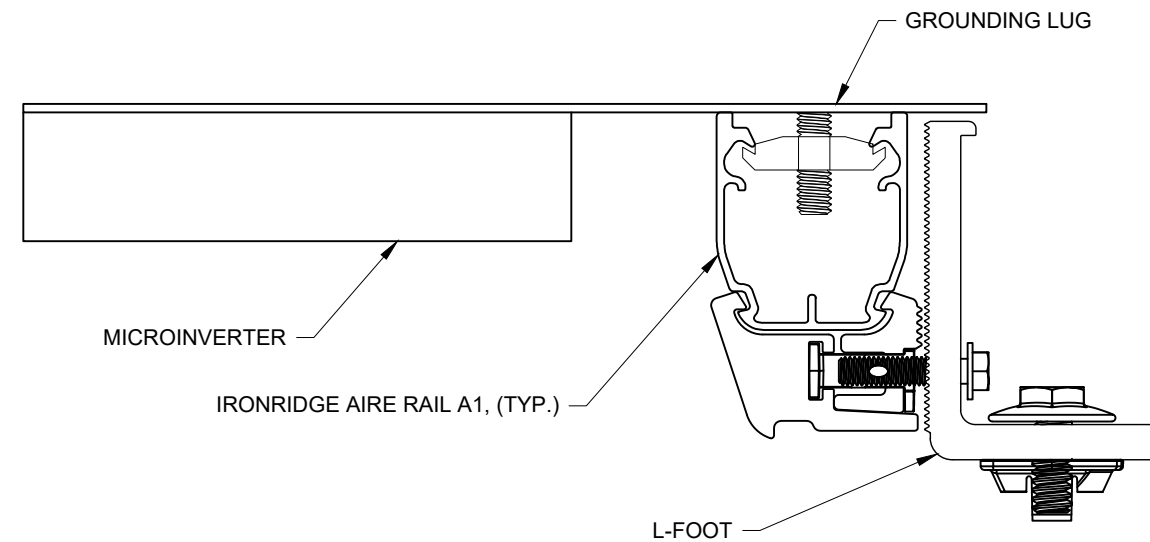
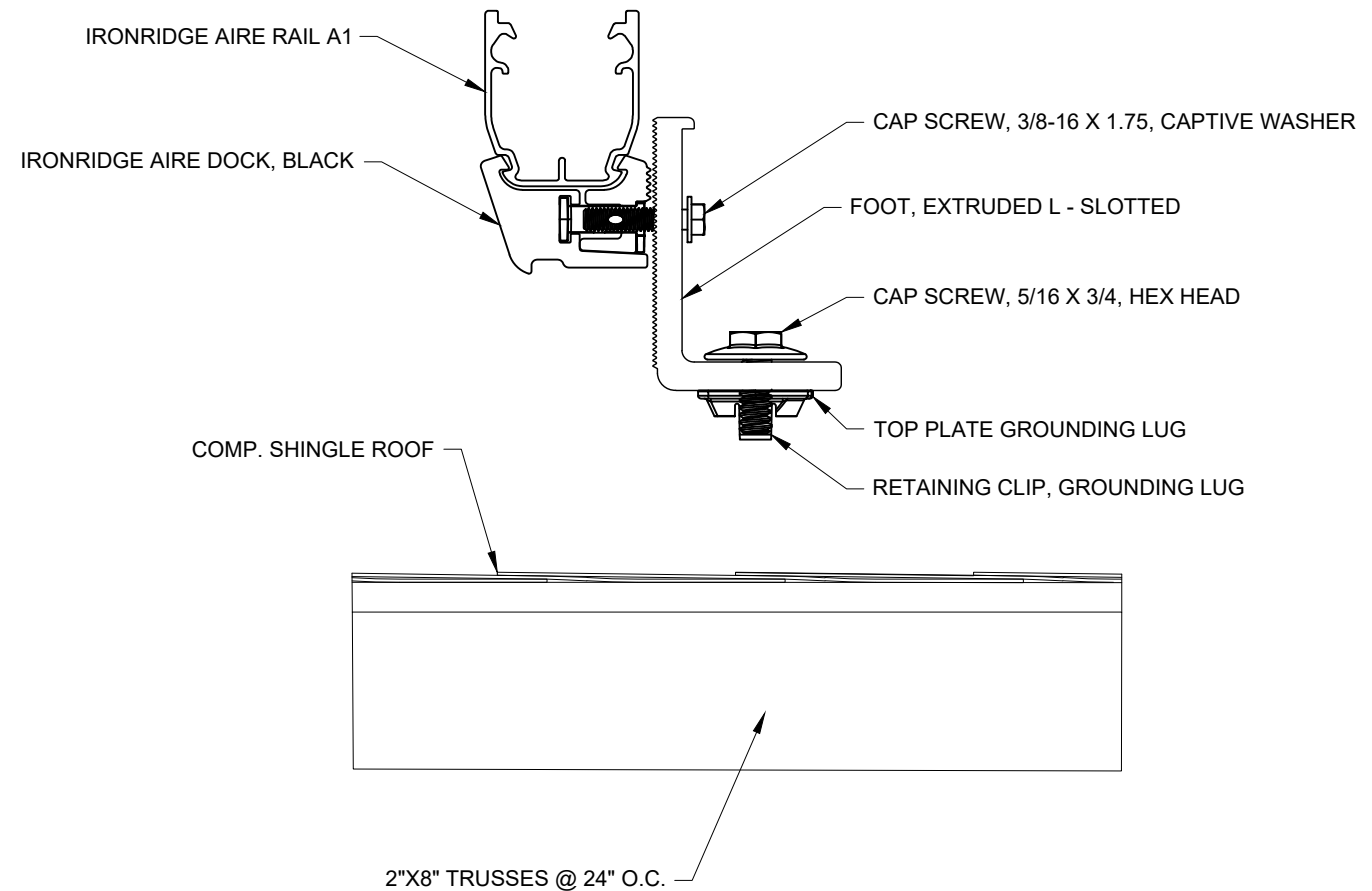
1 ATTACHMENT DETAIL

PV-3 SCALE: NTS



2 MICROINVERTER DETAIL

PV-3 SCALE: NTS



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REVISIONS		
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 EMAIL: reginmny@outlook.com
 20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

STEVE

SHEET NAME

ATTACHMENT DETAILS

SHEET SIZE

**ANSI B
11" X 17"**

SHEET NUMBER

PV-3

AC CONDUCTOR AMPACITY CALCULATIONS:
FROM ROOF TOP JUNCTION BOX TO PV LOAD CENTER

AMBIENT TEMPERATURE ADJUSTMENT FOR EXPOSED CONDUIT
PER NEC 310.15(B)(2)(c): + 22°
EXPECTED WIRE TEMP (°C): 33° + 22°
TEMP CORRECTION PER TABLE 310.15: 0.76
#OF CURRENT CARRYING CONDUCTORS: 6
CONDUIT FILL CORRECTION PER NEC 310.15(B)(2)(a): 0.80
CIRCUIT CONDUCTOR SIZE: 10 AWG
CIRCUIT CONDUCTOR AMPACITY: 40A

REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(A&B):
1.25 X MAX AC OUTPUT CURRENT X # OF INVERTERS PER STRING
BRANCH #1 & #2 : 1.25 X 1.35 X 9 = 15.19A
BRANCH #3 TO #5 : 1.25 X 1.35 X 10 = 16.88A

DERATED AMPACITY OF CIRCUIT CONDUCTOR PER NEC TABLE 310.15
TEMP CORR. PER NEC TABLE 310.15 X
CONDUIT FILL CORR. PER NEC 310.15(B)(2)(a) X
CIRCUIT CONDUCTOR AMPACITY = 0.76 X 0.80 X 40 = 24.32A

AC CONDUCTOR AMPACITY CALCULATIONS:
FROM PV LOAD CENTER TO FUSED AC DISCONNECT

EXPECTED WIRE TEMP (°C): 33°
TEMP CORRECTION PER NEC TABLE 310.15: 0.96
CIRCUIT CONDUCTOR SIZE: 2/0 AWG
CIRCUIT CONDUCTOR AMPACITY: 195A
#OF CURRENT CARRYING CONDUCTORS: 3
CONDUIT FILL PER NEC 310.15(B)(2)(a): 1
REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(B):
1.25 X OUTPUT CURRENT OF LOAD CENTER
1.25 X 1.35 X 48 = 81.00A + (E) 91.13A = 172.13A

DERATED AMPACITY OF CIRCUIT CONDUCTORS PER NEC TABLE 310.15:
TEMP CORR. PER NEC 310.15 X
CONDUIT FILL CORR. PER NEC 310.15(B)(2)(a) X
CIRCUIT CONDUCTOR AMPACITY =
0.96 X 1.00 X 195 = 187.2A

ELECTRICAL NOTES

- 1. NO DC CONDUCTORS PRESENT.
- 2. ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION.
- 3. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT.
- 4. WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
- 5. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS.
- 6. WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
- 7. ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 8. MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION AND WHERE REQUIRED.
- 9. MODULE SUPPORT RAIL TO BE BONDED TO COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG.
- 10. THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE.

ENPHASE: IQ8M-72-2-US MICROINVERTERS		
Input Data (DC)		
	Recommended Input Power (STC)	260-460W +
	Maximum Input DC Voltage	60V
	Peak Power Tracking Voltage	16V-58V
	Operating Range	22V-58V
	Min. / Max. Start Voltage	60V
	Max DC Short Circuit Current	25A
Output Data (AC)		
	Peak Output Power	330W
	Nominal Output Current	1.35A
	Nominal Voltage / Range	240V/211-264V
	Nominal Frequency / Range	60 Hz
	Extended Frequency / Range	47-68 Hz
	Power Factor at rated power	1.0
	Maximum unit per 20A Branch Circuit	11 (240 VAC)

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT
.80	4-6
.70	7-9
.50	10-20

AMBIENT TEMPERATURE SPECS	
RECORD LOW TEMP	-21°
AMBIENT TEMP (HIGH TEMP 2%)	33°
CONDUIT HEIGHT	0.5"
ROOF TOP TEMP	55°
CONDUCTOR TEMPERATURE RATE	90°



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24 CHARTER ST.
EXETER, NH 03833
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REVISIONS		
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100 CHAPEL ST,
PORTSMOUTH, NH 03801
PHONE #: (603) 988-8347
EMAIL: reginnhny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
STEVE

SHEET NAME
ELECTRICAL CALCULATION

SHEET SIZE
ANSI B 11" X 17"

SHEET NUMBER
PV-5

⚠️

WARNING

ELECTRICAL SHOCK HAZARD

TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION:
INVERTER(S), AC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).

⚠️

WARNING

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL.

⚠️

WARNING

INVERTER OUTPUT CONNECTION

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER (IF APPLICABLE).

⚠️

WARNING

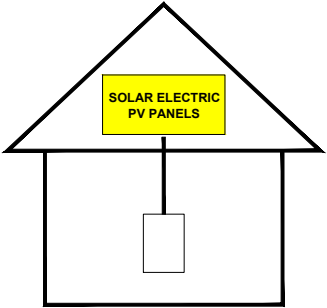
PHOTOVOLTAIC SYSTEM COMBINER PANEL

DO NOT ADD LOADS

LABEL LOCATION:
PHOTOVOLTAIC AC COMBINER (IF APPLICABLE).

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.



LABEL LOCATION:
ON OR NO MORE THAT 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.

PHOTOVOLTAIC AC DISCONNECT

MAXIMUM AC OPERATING CURRENT: 172.13 AMPS

NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF INTERCONNECTION.

DATA PER PANEL

NOMINAL OPERATING AC VOLTAGE -	240	V
NOMINAL OPERATING AC FREQUENCY-	60	Hz
MAXIMUM AC POWER-	325	VA
MAXIMUM AC CURRENT-	1.35	A
MAXIMUM OVERCURRENT DEVICE RATING FOR AC MODULE PROTECTION PER CIRCUIT-	20	A

LABEL LOCATION:
COMBINER BOX

- NOTES AND SPECIFICATIONS:
- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE 2023 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
 - SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
 - LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
 - LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
 - SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
 - DO NOT COVER EXISTING MANUFACTURER LABELS.

603 SOLAR

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PHONE #: (603) 988-8347
EMAIL: regimnhny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

STEVE

SHEET NAME

PLACARDS

SHEET SIZE

ANSI B
11" X 17"

SHEET NUMBER

PV-6

HD HYUNDAI SOLAR MODULE

NF(BK) Series

Premium N-Type TOPCon Module

HIN-T430NF(BK) | HIN-T435NF(BK) | HIN-T440NF(BK)



22.53%
High Efficiency



High-End
TOPCon
Technology



Higher
Bifaciality



Long-Term
Reliability



Compatible
with Carport
Applications



For Residential
(Full Black Design)

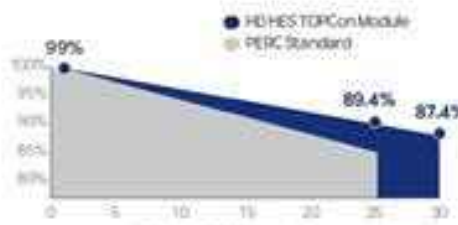
HD Hyundai's Warranty Provisions

25
YEARS

• 25-Year Product Warranty
Materials and workmanship

30
YEARS

• 30-Year Performance Warranty
First year degradation: 1%
Linear warranty after initial year
with 0.41% annual degradation,
87.4% is guaranteed up to 30 years



*Refer to HD HES standard warranty for details

Certification



ISO 9001: Quality management system
ISO 14001: Environmental management system
ISO 45001: Occupational health and safety management system
UL 61739-1: Photovoltaic (PV) module safety test code (250)
UL 61739-2: See www.ul.com/ul61739
IEC 61215: Performance comparison testing
IEC 61215: Performance comparison testing
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IEC 61215: Performance comparison testing

Electrical Characteristics

HiN-TxxxNF(BK)		HiN-T430NF(BK)		HiN-T435NF(BK)		HiN-T440NF(BK)	
Item	Unit	BNPI			BNPI	BNPI	
Nominal output (Pmax)	W	430	476	435	482	440	488
Open circuit voltage (Voc)	V	38.4	38.4	38.6	38.6	38.8	38.8
Short circuit current (Isc)	A	14.25	15.79	14.32	15.87	14.39	15.94
Voltage at Pmax (Vmpp)	V	31.9	31.9	32.1	32.1	32.3	32.3
Current at Pmax (Impp)	A	13.48	14.94	13.56	15.02	13.63	15.10
Module efficiency	%	22.02		22.28		22.53	
Power Class Sorting	W	0 ~ +5					
Temperature coefficient of Pmax	%/K	-0.30					
Temperature coefficient of Voc	%/K	-0.25					
Temperature coefficient of Isc	%/K	0.046					
Bifaciality	%	80%±10%					

*STC: Irradiance 1,000 W/m², cell temperature 25°C, AM=1.5 / Test uncertainty for Pmax ±3%, Voc ±3%, Isc ±3%

**The electrical properties of BNPI are measured under the irradiance corresponding to 1000 W/m² on the module front and 135 W/m² on the module rear.

Additional Power Gain from rear side

Pmpp gain	Pmpp[W]	Vmpp[V]	Impp[A]	Voc[V]	Isc[A]
5%	458	32.30	14.18	38.80	14.97
15%	493	32.30	15.27	38.80	16.12
25%	528	32.40	16.36	38.90	17.27

*Electrical characteristics with different rear power gain (reference to 440W)

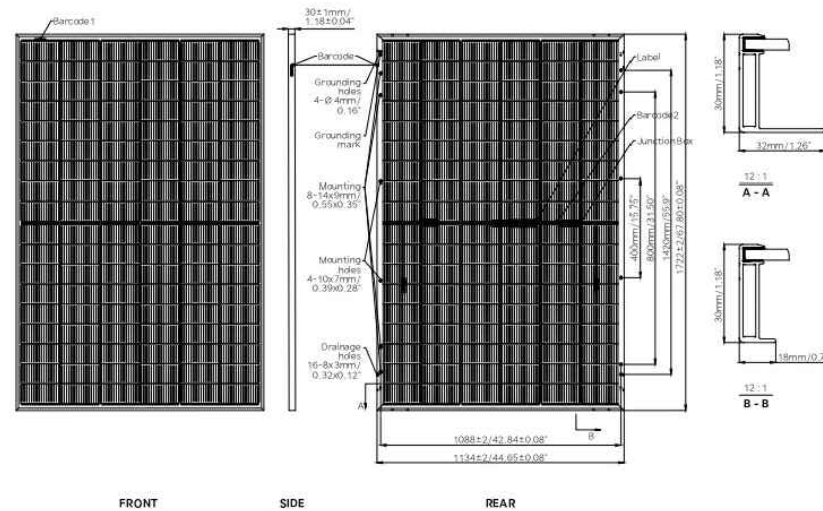
Mechanical Characteristics

Dimensions	1,722mm (L) x 1,134mm (W) x 30mm (H) (67.8in x 44.6in x 1.2in)
Weight	24.5 kg (50.01lbs)
Solar Cells	N-Type TOPCon, 108 (6x18) monocrystalline 16BB half-cut bifacial cells
Output Cables	Cable : (+)1,200mm(47.2in), (-)1,200mm(47.2in) / Customized length available Connector : Stäubli MC4 genuine Connector / Compatible, IP68
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 2.0mm(0.08in) semi-tempered solar glass with high transmittance and anti-reflective coating Rear : 2.0mm(0.08in) semi-tempered solar glass
Frame	Anodized aluminum alloy

Shipping Configurations

Packing Direction	Vertical	Packing pallet weight (kg)	912
Container Size (HC)	40'	Modules Per Pallet (pcs)	36
Pallets Per Container	22	Modules Per Container (pcs)	792

Module Diagram (unit : mm)

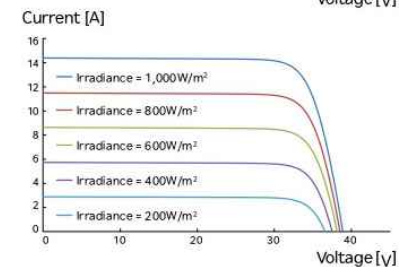
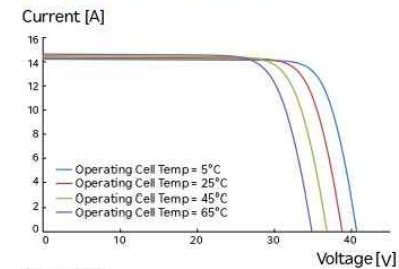


Installation Safety Guide

- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not handle or install modules when they are wet.

Nominal Module Operation Temperature	44°C ± 2°C
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1,500 V
Maximum Reverse Current	30A
Maximum Test Load *See Installation Manual	Front 5,400Pa *Rear 5,400Pa
Fire Performance	Type 29

I-V Curves (HIN-T440NF(BK))



Sales & Marketing
hes.sales@hd.com

HD Hyundai Energy Solutions reserves the right to update or modify the specifications and features listed in this datasheet without prior notice. Always check the latest version of the datasheet for accurate information. Before using the product, please refer to the Installation and Operation Manual and Warranty. We retain the right of final interpretation.



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SALES PERSON

STEVE

SHEET NAME

DATA SHEET

SHEET SIZE

ANSI B
11" X 17"

SHEET NUMBER

PV-7



DATA SHEET



IQ8M and IQ8A Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, software defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has superfast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the IQ Battery, IQ Gateway, and the Enphase App monitoring and analysis software.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.



IQ8 Series Microinverters are UL listed as PV Rapid Shutdown Equipment and conform with various regulations, when installed according to manufacturer's instructions.

*Only when installed with IQ System Controller 2, meets UL 1741.
**IQ8M and IQ8A support split-phase, 240V installations only.

Easy to install

- Lightweight and compact with plug-n-play connectors
- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- Produce power even when the grid is down*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

Microgrid-forming

- Complies with the latest advanced grid support**
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) and IEEE 1547:2018 (UL 1741-SB 3rd Ed.)

Note:

IQ8 Microinverters cannot be mixed together with previous generations of Enphase microinverters (IQ7 Series, IQ6 Series, etc.) in the same system.

IQ8M and IQ8A Microinverters

INPUT DATA (DC)		IQ8M-72-2-US	IQ8A-72-2-US
Commonly used module pairings ¹	W	260 – 460	295 – 500
Module compatibility		54-cell / 108 half-cell, 60-cell / 120 half-cell, 66-cell / 132 half-cell and 72-cell / 144 half-cell	
MPPT voltage range	V	30 – 45	32 – 45
Operating range	V	16 – 58	
Min. / Max. start voltage	V	22 / 58	
Max. input DC voltage	V	60	
Max. continuous input DC current	A	12	
Max. input DC short-circuit current	A	25	
Max. module I _{sc}	A	20	
Overvoltage class DC port		II	
DC port backfeed current	mA	0	
PV array configuration		1x 1 Ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit	
OUTPUT DATA (AC)		IQ8M-72-2-US	IQ8A-72-2-US
Peak output power	VA	330	366
Max. continuous output power	VA	325	349
Nominal (L-L) voltage / range ²	V	240 / 211 – 264	
Max. continuous output current	A	1.35	1.45
Nominal frequency	Hz	60	
Extended frequency range	Hz	47 – 68	
AC short circuit fault current over 3 cycles	Arms	2	
Max. units per 20 A (L-L) branch circuit ³		11	
Total harmonic distortion		<5%	
Overvoltage class AC port		III	
AC port backfeed current	mA	30	
Power factor setting		1.0	
Grid-tied power factor (adjustable)		0.85 leading – 0.85 lagging	
Peak efficiency	%	97.8	97.7
CEC weighted efficiency	%	97.5	97
Night-time power consumption	mW	60	
MECHANICAL DATA			
Ambient temperature range		-40°C to +60°C (-40°F to +140°F)	
Relative humidity range		4% to 100% (condensing)	
DC Connector type		MC4	
Dimensions (H x W x D)		212 mm (8.3”) x 175 mm (6.9”) x 30.2 mm (1.2”)	
Weight		1.08 kg (2.38 lbs)	
Cooling		Natural convection – no fans	
Approved for wet locations		Yes	
Pollution degree		PD3	
Enclosure		Class II double-insulated, corrosion resistant polymeric enclosure	
Environ. category / UV exposure rating		NEMA Type 6 / outdoor	
COMPLIANCE			
Certifications	CA Rule 21 (UL 1741-SA), UL 62109-1, IEEE 1547:2018 (UL 1741-SB 3 rd Ed.), FCC Part 15 Class B, ICES-0003 Class B, CAN / CSA-C22.2 NO. 107.1-01 This product is UL Listed as PV Rapid Shutdown Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.		

(1) Pairing PV modules with wattage above the limit may result in additional clipping losses. See the compatibility calculator at <https://link.enphase.com/module-compatibility>. (2) Nominal voltage range can be extended beyond nominal if required by the utility. (3) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.



603 SOLAR

24 CHARTER ST.
EXETER, NH 03833
(603) 570-2607

REVISIONS

DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

ST. JOHN'S EPISCOPAL CHURCH

100 CHAPEL ST.,
PORTSMOUTH, NH 03801

PHONE #: (603) 988-8347

EMAIL: reginnhny@outlook.com

20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

STEVE

SHEET NAME

DATA SHEET

SHEET SIZE

ANSI B
11" X 17"

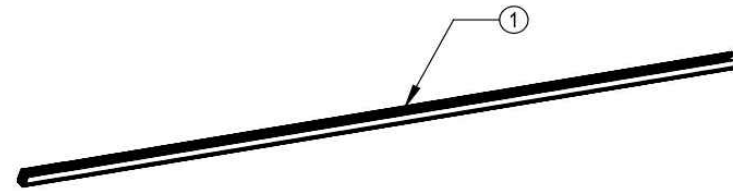
SHEET NUMBER

PV-8



AIRE RAIL A1

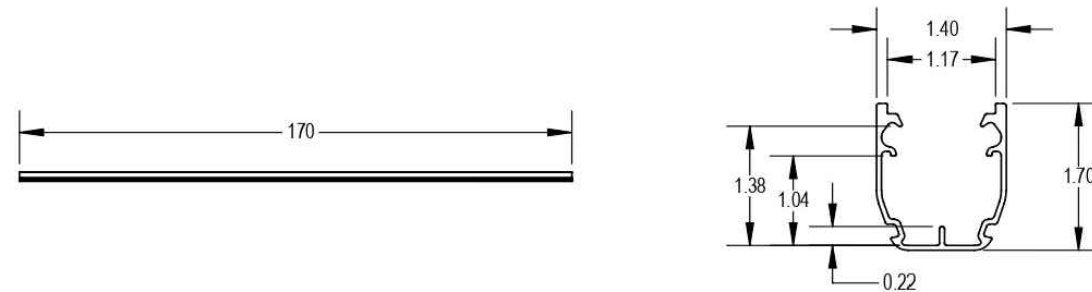
Cut Sheet



ITEM NO	DESCRIPTION	QTY IN KIT
1	Aire Rail, A1, Black(or Clear), 170	1

Part Number	Description
AE-A1-170B	AIRE RAIL, A1, BLACK, 170
AE-A1-170M	AIRE RAIL, A1, MILL, 170

1) Aire A1



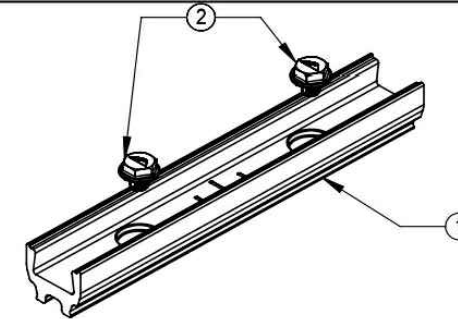
Part Number	Material	Value
AE-A1-170B	6000-Series Aluminum	Black
AE-A1-170M	6000-Series Aluminum	Clear

v1.0



AIRE TIE, A1

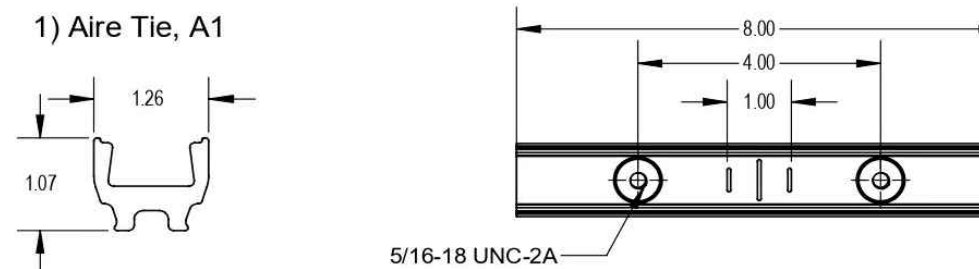
Cut Sheet



ITEM NO	DESCRIPTION	QTY IN KIT
1	Aire Tie, A1	1
2	Aire Splc Bolt, Hex	2

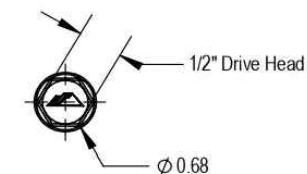
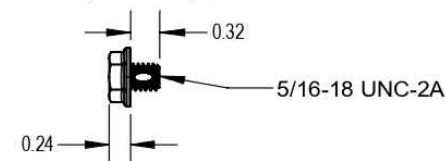
Part Number	Description
AE-A1TIE-01-M1	AIRE TIE, A1 (BONDED SPLICE)

1) Aire Tie, A1



Property	Value
Material	6000 Series Aluminum
Finish	Mill

2) Aire Splc Bolt, Hex



Property	Value
Material	300 Series Stainless Steel
Finish	Clear

v1.0



603 SOLAR
24 CHARTER ST.
EXETER, NH 03833
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REVISIONS

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PROJECT NAME & ADDRESS

ST. JOHN'S EPISCOPAL CHURCH
100 CHAPEL ST.,
PORTSMOUTH, NH 03801
PHONE #: (603) 988-8347
EMAIL: regimhny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

STEVE

SHEET NAME

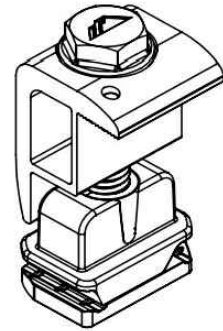
DATA SHEET

SHEET SIZE

ANSI B
11" X 17"

SHEET NUMBER

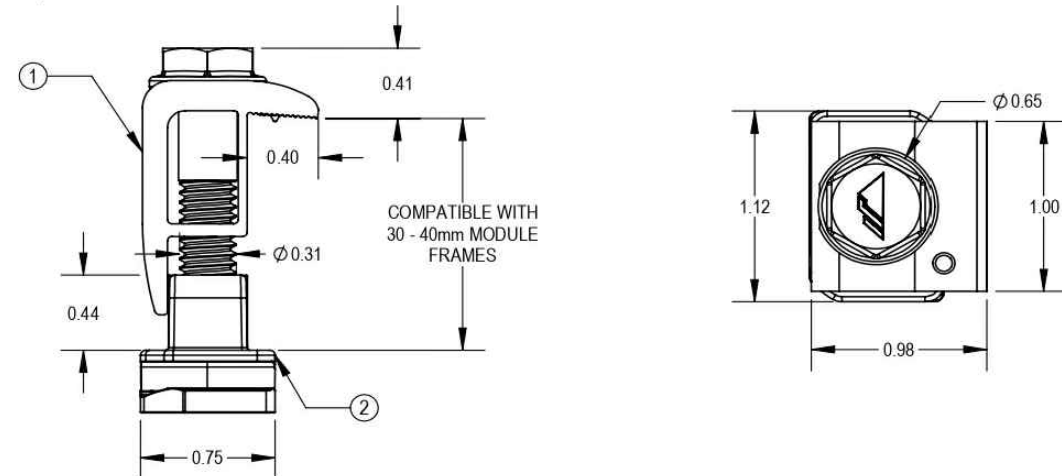
PV-9



ITEM NO	DESCRIPTION	QTY IN KIT
1	Aire Lock End, Black	1

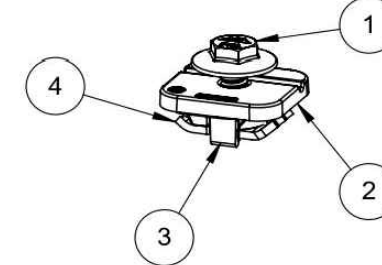
Part Number	Description
AE-END-01-B1	AIRE LOCK END, BLACK

1) Aire Lock End



Item No	Material	Value
1	300 Series Stainless Steel	Clear and Black
2	Polypropelene	Black

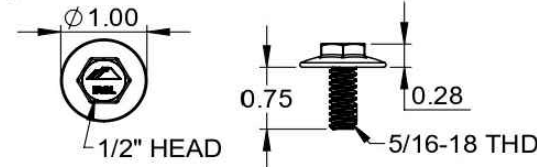
v1.0



ITEM NO.	DESCRIPTION	QTY IN KIT
1	CAP SCREW, 5/16 X 3/4, HEX HEAD	1
2	TOP PLATE GROUNDING LUG	1
3	RETAINING CLIP, GROUNDING LUG	1
4	T-NUT, SHEET METAL	1

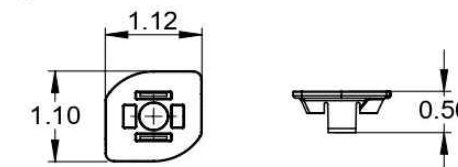
PART NUMBER	DESCRIPTION	WIRE SIZE RANGE (AWG)
AE-LUG-01-M1	AIRE LUG	6-10

1) CAP SCREW, 5/16 X 3/4



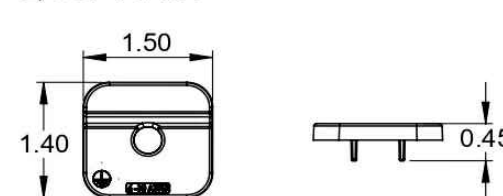
Property	Value
Material	300 Series Stainless Steel
Finish	Clear

3) RETAINING CLIP



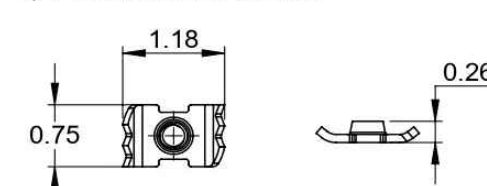
Property	Value
Material	Polypropylene
Finish	Black

2) TOP PLATE



Property	Value
Material	Tin Plated Aluminum
Finish	Clear Matte

4) T-NUT, SHEET METAL



Property	Value
Material	300 Series Stainless Steel
Finish	Clear

v1.0

REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

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PORTSMOUTH, NH 03801
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EMAIL: regimhny@outlook.com
20.88kW DC PHOTOVOLTAIC SYSTEM

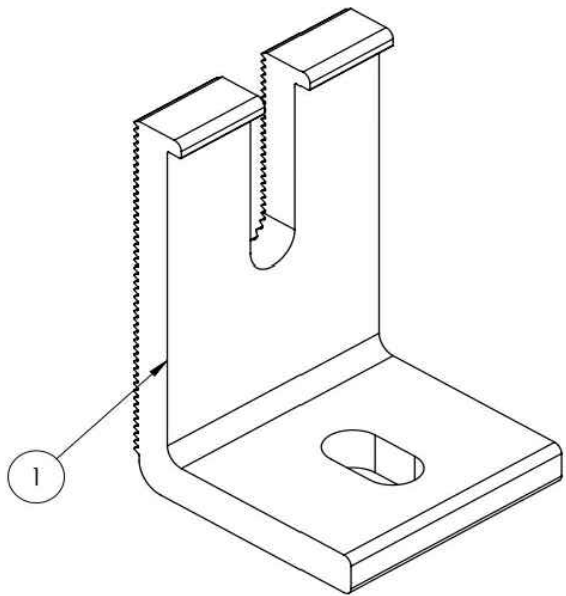
SALES PERSON
STEVE

SHEET NAME
DATA SHEET

SHEET SIZE
ANSI B
11" X 17"

SHEET NUMBER
PV-10

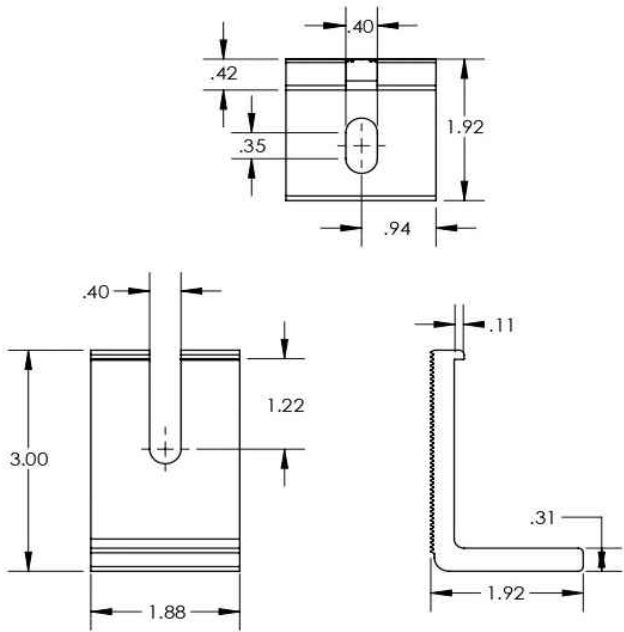
L-Foot



ITEM NO	DESCRIPTION	QTY IN KIT
1	FOOT, EXTRUDED L - SLOTTED	4

PART NUMBER	DESCRIPTION
FM-LFT-003	Kit, 4Pcs, Slotted L-Foot, Mill
FM-LFT-003-B	Kit, 4Pcs, Slotted L-Foot, Black

1) Foot, Extruded L - Slotted



v1.11

603 SOLAR
24 CHARTER ST.
EXETER, NH 03833
(603) 570-2607

REVISIONS

DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

ST. JOHN'S EPISCOPAL CHURCH

100 CHAPEL ST.,

PORTSMOUTH, NH 03801

PHONE #: (603) 988-8347

EMAIL: regimhny@outlook.com

20.88kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

STEVE

SHEET NAME

DATA SHEET

SHEET SIZE

ANSI B
11" X 17"

SHEET NUMBER

PV-11

9. 93 State Street

-Recommended Approval

Background: The applicant is seeking approval to install shutters on the Chapel Street side of the structure to match the State Street shutters.

Staff Comment: Recommend Approval

Stipulations:

1. _____
2. _____
3. _____



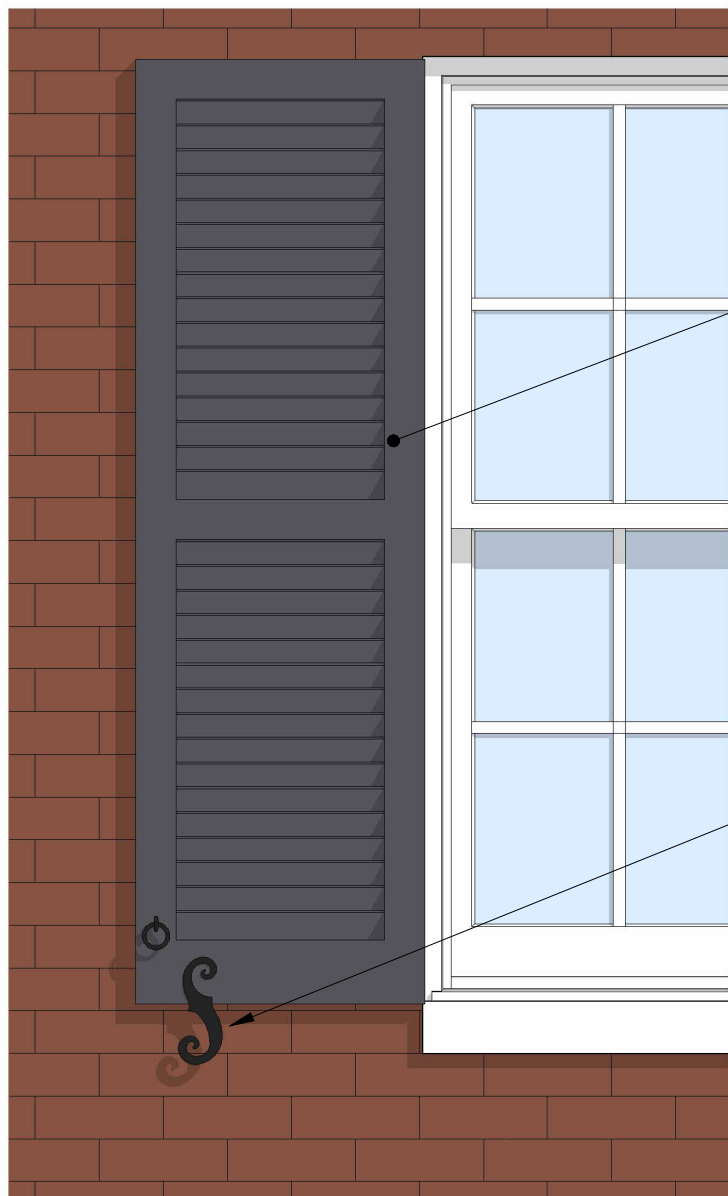
HISTORICAL PHOTO - STATE STREET - CIRCA 1970s

BISHOP CAP REPLACEMENT
WITH VENT CAP APPROVED PER
HDC MEETING 8/06/2025

REQUEST TO ADD
MATCHING BLACK
SHUTTERS TO CHAPEL
STREET WINDOWS.
SHUTTERS TO BE
HISTORICALLY
ACCURATE WOOD
SHUTTERS WITH CROSS
RAIL POSITION TO
ALIGN WITH WINDOW
SASH 3" +/- RAILS AND
1 3/4" STILES



EXTERIOR PERSPECTIVE - VIEW FROM CORNER OF STATE & CHAPEL STREET
PROPOSED SHUTTERS ON CHAPEL STREET NOT SHOWN IN THIS VIEW



SHUTTERS TO MATCH PROPOSED
SHUTTERS ON STATE STREET
FACADE.

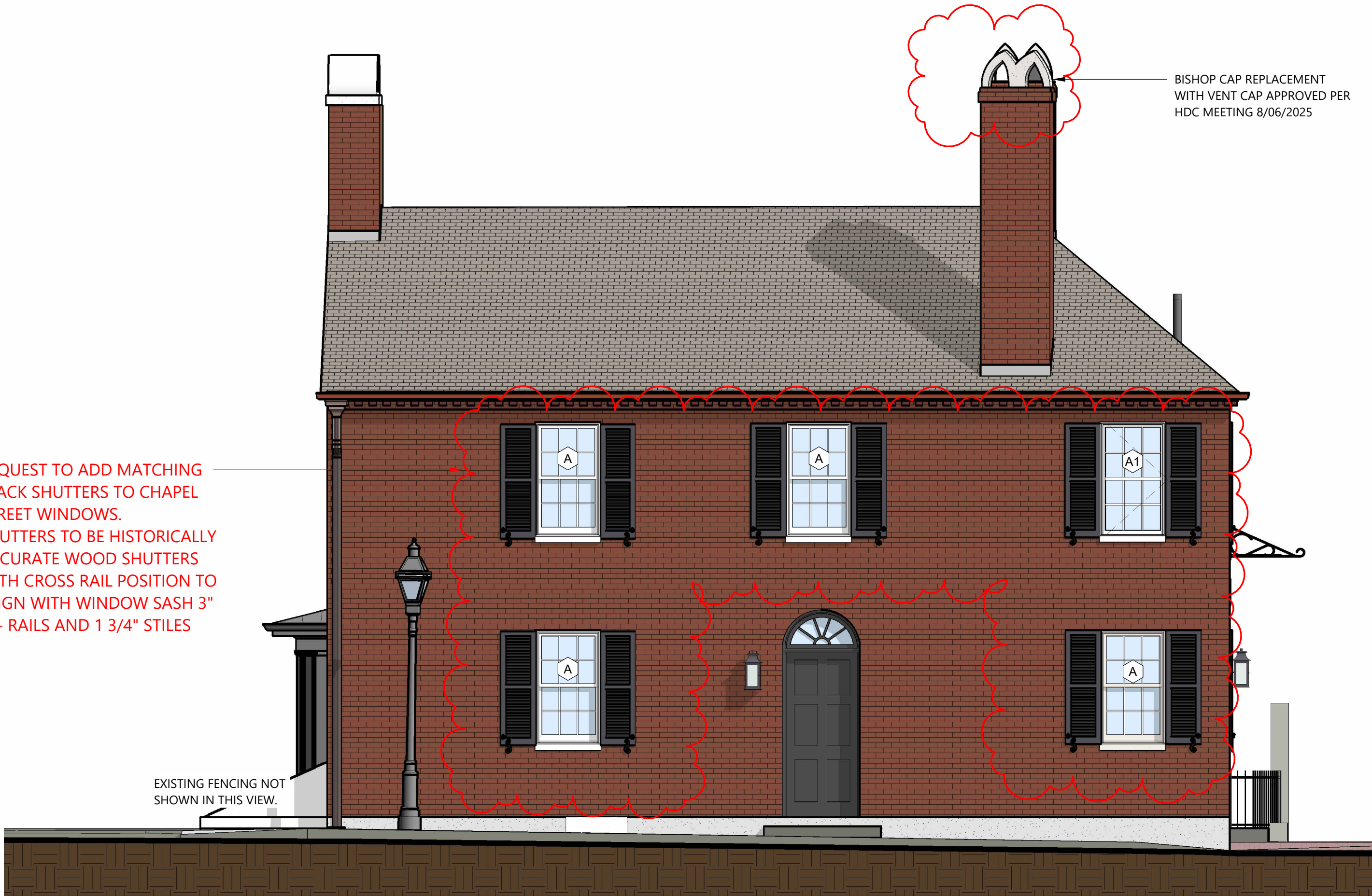
HAND FORGED IRON
SHUTTER TIEBACK
HARDWARE (TYP.)



1 Detail @ Proposed Shutters - Chapel Street
A2.00 1" = 1'-0"

REQUEST TO ADD MATCHING
BLACK SHUTTERS TO CHAPEL
STREET WINDOWS.
SHUTTERS TO BE HISTORICALLY
ACCURATE WOOD SHUTTERS
WITH CROSS RAIL POSITION TO
ALIGN WITH WINDOW SASH 3"
+/- RAILS AND 1 3/4" STILES

EXISTING FENCING NOT
SHOWN IN THIS VIEW.



BISHOP CAP REPLACEMENT
WITH VENT CAP APPROVED PER
HDC MEETING 8/06/2025

2 Chapel Street Elevation - Proposed Shutters for HDC Submission
A2.00 1/4" = 1'-0"

TMS
architects
interiors

603.436.4274

GENERAL CONTRACTOR



STRUCTURAL ENGINEER



CIVIL ENGINEER



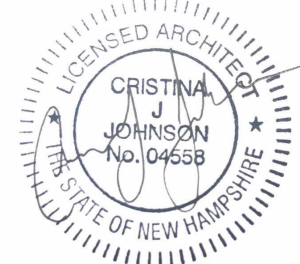
LANDSCAPE ARCHITECT

MECHANICAL ENGINEER

Revision & Reissue Notes

Rev #	Date	Description
7	10/01/25	HDC 10.01.2025

STAMPS



HDC Admin Submission
10.01.2025

PROJECT NUMBER

24-023

Anthony
Residence
Renovation
93 State Street
Portsmouth, NH

HDC Admin
Submission -
Chapel Street
Proposed
Shutters

A2.00

DR: DES SHEET SCALE: As indicated SHEET DATE: 04/30/2025
CH: CJ

PLOT DATE: 9/25/2025 12:30:11 PM