

HOMAN CORBUS RESIDENCE

2900 22ND ST N
ARLINGTON, VA 22201

COA SUBMISSION



6715 Whittier Avenue
McLean VA. 22101
Office: 703.506.0845
Fax: 703.506.0619

**HOMAN
CORBUS
RESIDENCE**
2900 22ND ST N
ARLINGTON, VA 22201

PROFESSIONAL SEAL:



DocuSigned by:
Marc Prisco
5C87B154A7964F3

DESCRIPTION	DATE
COA SUBMISSION	12/18/2023

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

TABLE N1102.1.2 (R402.1.2)
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT*

CLIMATE ZONE	FENESTRATION U FACTOR ^a	SKYLIGHT ^b U FACTOR	GLAZED FENESTRATION SHGC ^{c,*}	CEILING VALUE	WOOD FRAME WALL VALUE	MASS WALL VALUE ^d	FLOOR VALUE	BASEMENT WALL VALUE	SLAB ^e VALUE & DEPTH	CRAWL SPACE ^f WALL VALUE
1	NR	0.75	0.25	30	13	7/4	13	0	0	0
2	0.40	0.65	0.25	38	13	4/6	13	0	0	0
3	0.32	0.55	0.25	38	20 ^{or} 13 + 5"	9/13	19	5/13 ^g	0	5/13
4 except Marine 4	0.32	0.55	0.40	49	13 ^{or} 13 + 1"	9/13	19	10/13	10, 2 R	10/13
5 and Marine 4	0.30	0.55	NR	49	20 ^{or} 13 + 5"	13/17	30 ^h	15/19	10, 2 R	15/19
6	0.30	0.55	NR	49	20 + 5" or 13 + 10"	15/20	30 ^h	15/19	10, 4 R	15/19
7 and 8	0.30	0.55	NR	49	20 + 5" or 13 + 10"	19/21	38 ^h	15/19	10, 4 R	15/19

DESIGN LOAD CRITERIA

TYPE	CRITERIA
GROUND SNOW LOAD ULTIMATE WIND SPEED (VULT):	25 PSF
RISK CATEGORY I	105 MPH
RISK CATEGORY II AND RESIDENTIAL RISK CATEGORY III	115 MPH 120 MPH
FROST DEPTH	24 IN.
EARTHQUAKE SPECTRAL RESPONSE ACCELERATION	AT SHORT PERIODS: 0.129 AT 1 SECOND PERIOD: 0.053
RESIDENTIAL SEISMIC DESIGN CATEGORY	A
WEATHERING PROBABILITY FOR CONCRETE	SEVERE
TERMITE INFESTATION PROBABILITY	MODERATE TO HEAVY
DECAY PROBABILITY	SLIGHT TO MODERATE
ICE SHIELD UNDERLAYMENT REQUIRED	YES
FLOOD HAZARDS (DATE OF ENTRY INTO NFIP)	3/5/1990
WINTER DESIGN TEMPERATURE	17°F
AIR FREEZING INDEX	<= 1500°F
MEAN ANNUAL TEMPERATURE	50°F

PROJECT GENERAL NOTES

A. ALL CONSTRUCTION IS TO BE IN COMPLIANCE WITH THE APPLICABLE CODES LISTED ON THE COVER SHEET.

B. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE, AND NATIONAL CODES, THE MORE STRINGENT SHALL GOVERN.

C. USE OF THESE DOCUMENTS WITHOUT WRITTEN PERMISSION OF BOWERS DESIGN BUILD, INC. IS STRICTLY PROHIBITED.

D. ANY AND ALL DRAWINGS AND SPECIFICATIONS FOR SITE WORK, PLUMBING SUPPLY OR WASTE, ELECTRICAL CIRCUITING, AND HEATING, VENTILATION, AND AIR CONDITIONING SYSTEMS NOT CONTAINED IN THE "INDEX OF DRAWINGS" LISTED ON THIS PAGE ARE NOT PART OF PROFESSIONAL SERVICES PROVIDED BY B.D.B.

ANY DISCREPANCIES WITH THESE DOCUMENTS BY ANY OF THE ABOVE LISTED SERVICES SHOULD BE INDICATED IN WRITING TO B.D.B. IMMEDIATELY.

E. UNLESS OTHERWISE NOTED, WINDOW AND DOOR SIZES DEFINE INTENDED AESTHETIC SIZE AND TYPE BY INDICATING UNIT DIMENSIONS IN FEET AND INCHES (I.E.: 2852 DH DENOTES A 2'-8" WIDE BY 5'-2" TALL DOUBLE HUNG WINDOW.).

F. ALL GLAZING INSTALLED IN HAZARDOUS LOCATIONS AS DEFINED BY LOCAL BUILDING CODE SHALL BE SAFETY GLAZING (FULLY TEMPERED) AND SHALL BE PROVIDED WITH A VISIBLE MANUFACTURER'S LABEL, DESIGNATING THAT SAFETY STANDARD WITH WHICH IT COMPLIES.

G. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE NON-CORROSIVE- R317.3.1

APPLICABLE CODES

CODE	EDITION
VIRGINIA EXISTING BUILDING CODE (IBC) (USBC, PART II)	2018
VIRGINIA CONSTRUCTION CODE (IBC, USBC, PART I)	2018
VIRGINIA MAINTENANCE CODE (IBC) (USBC, PART III)	2018
VIRGINIA RESIDENTIAL CODE (IRC)	2018
VIRGINIA ENERGY CONSERVATION CODE	2018
VIRGINIA MECHANICAL CODE (IMC)	2018
VIRGINIA PLUMBING CODE (IPC)	2018
VIRGINIA FUEL GAS CODE (IFGC)	2018
NATIONAL ELECTRICAL CODE	2017
INTERNATIONAL SWIMMING POOL & SPA CODE	2018
RELATED LAWS PACKAGE	2018
COUNTY CODE	
COUNTY ZONING ORDINANCE	
COUNTY PUBLICATIONS	
BUILDING CODE & CONSTRUCTION TYPE HISTORY	

SCOPE OF WORK

EXTERIOR:
-SCREENED PORCH AND DECK ADDITION AT REAR

INTERIOR:
-ENTIRE FIRST FLOOR REMODEL

PROJECT TEAM

OWNER: RESA HOMAN & PATRICK CORBUS
2900 22ND ST N, ARLINGTON, VA 22201

CONTRACTOR: BOWERS DESIGN BUILD
6715 WHITTIER AVENUE, SUITE 200
MCLEAN, VA 22101

DESIGNER: KIRSTEN GABLE
BOWERS DESIGN BUILD
509-821-1105

ARCHITECT: MARC PRISCO, AIA
BOWERS DESIGN BUILD
570-954-2958

STRUCTURAL ENGINEER: SEVEN 24 CONSULTING, INC
LEESBURG, VA 20175

INDEX OF DRAWINGS

Sheet Number	Sheet Name
A-001	COVER SHEET
A-002	SITE PLAN & LAND DISTURBANCE
A-100	DEMO & PROPOSED BASEMENT FLOOR PLANS
A-101	DEMO & PROPOSED FIRST FLOOR PLANS
A-102	PROPOSED SECOND FLOOR & LOW ROOF PLAN
A-200	DEMO & PROPOSED EXTERIOR ELEVATIONS
A-201	DEMO & PROPOSED EXTERIOR ELEVATIONS
A-300	BUILDING SECTIONS
A-500	WALL SECTIONS AND DETAILS
A-600	SCHEDULES & DIAGRAMS

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

A-001

Homan Corbus Residence		R-6	
PROPERTY	6450	6000	
HOUSE	1448		
FRONT PORCH	184		
SCREENED PORCH	196		
DECK	112		
DRIVE	260		
TOTAL	2200		

	MAX	ACTUAL
MAXIMUM LOT COVERAGE	40%	34.1%
MAXIMUM LOT COVERAGE w/ FRONT PORCH	43%	34.1%
MAXIMUM LOT COVERAGE w/ REAR DETACHED GARAGE	45%	34.1%
MAXIMUM LOT COVERAGE w/ REAR GARAGE AND FRONT PORCH	48%	34.1%

MAXIMUM MAIN BUILDING FOOTPRINT COVERAGE	30%	30.5%
MAXIMUM MAIN BUILDING FOOTPRINT COVERAGE w/ FRONT PORCH	33%	30.1%

MAIN BUILDINGS FOOTPRINT CAP	2520	1828
MAIN BUILDINGS FOOTPRINT CAP w/ FRONT PORCH	2772	1940

MAIN BUILDING	
House	1448.00
Attached garage	0.00
Bay window w/ floor space	0.00
Chimney	0.00
Front Porch	184.00
Screened Porch	196.00
Deck 4'-0" or more above final grade	112.00
Balcony w/ 4'-0" or more horizontal projection	0.00
Covered breezeway	0.00
MAIN BLDG SUB-TOTAL	1940.00

ACCESSORY BUILDINGS	
Accessory building over 150 sq-ft	0.00
Accessory building 2 stories or more	0.00

DRIVEWAYS & PARKING PADS	
	260.00

PATIOS 8" or higher above finished grade	
	0.00

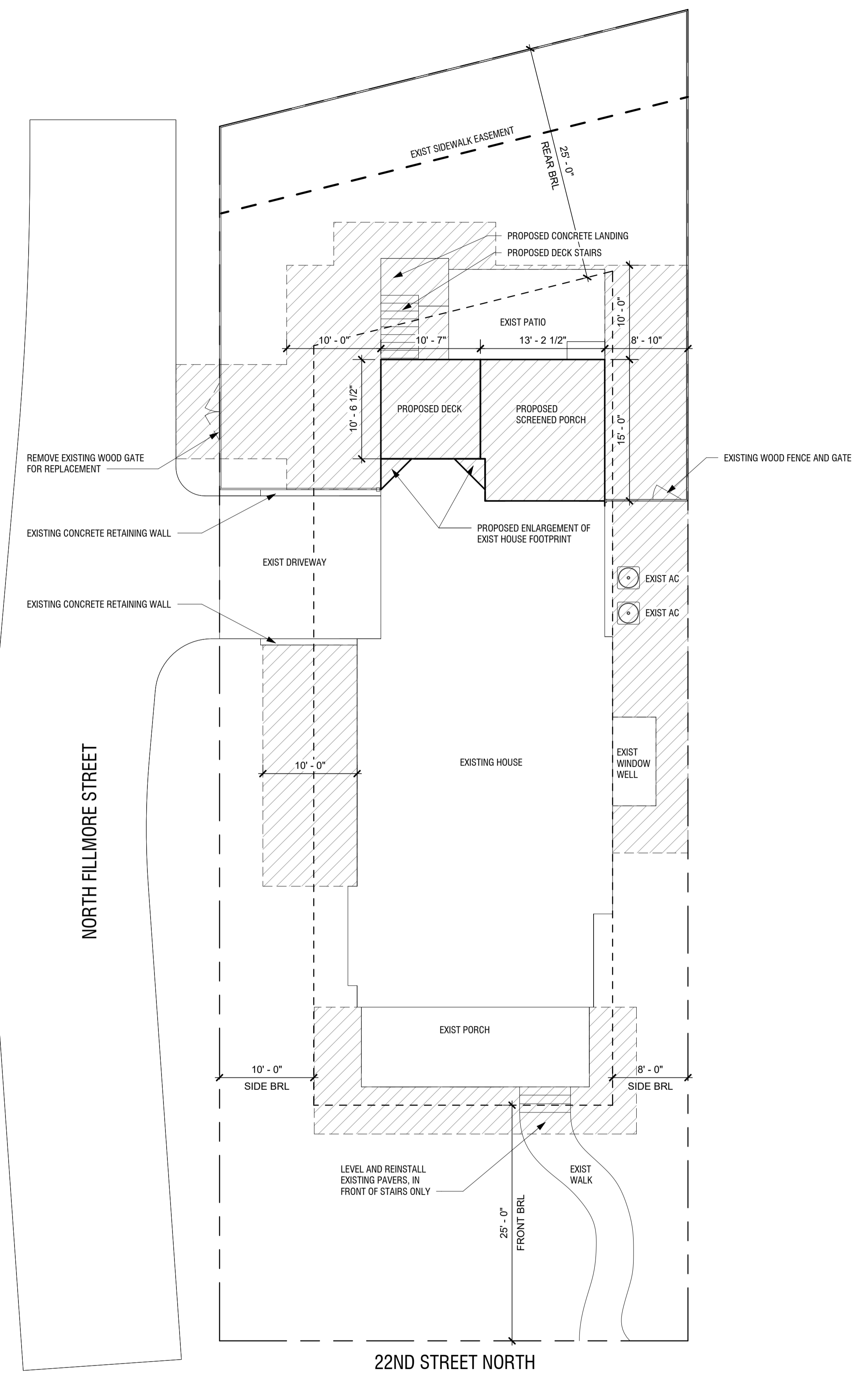
DECKS 4'-0" or higher above finished grade, not attached to main building	
	0.00

GAZEBOS & PERGOLAS	
	0.00

STOOPS & LANDINGS 4'-0" or higher above finished grade	
	0.00

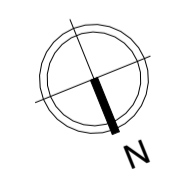
SWIMMING POOLS	
	0.00

TOTAL	2200.00
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LAND DISTURBANCE
 -10 FT WIDE ACCESS PATH & BUFFER ZONE
 -TOTAL LAND DISTURBANCE = 1,819 SF

NOTE: ALL PLANT AND LANDSCAPE MATERIAL IN AREA OF WORK TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION, UNLESS NOTED OTHERWISE.



1 SITE PLAN & LAND DISTURBANCE
 1/8" = 1'-0"



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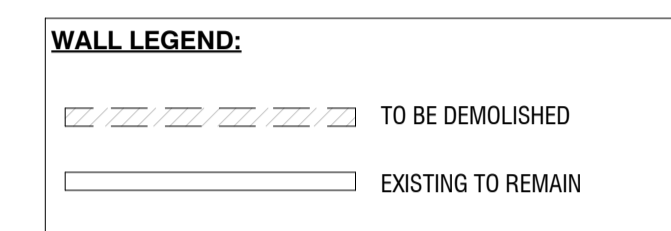
SHEET TITLE:

**SITE PLAN & LAND
 DISTURBANCE**

SHEET NUMBER:

A-002

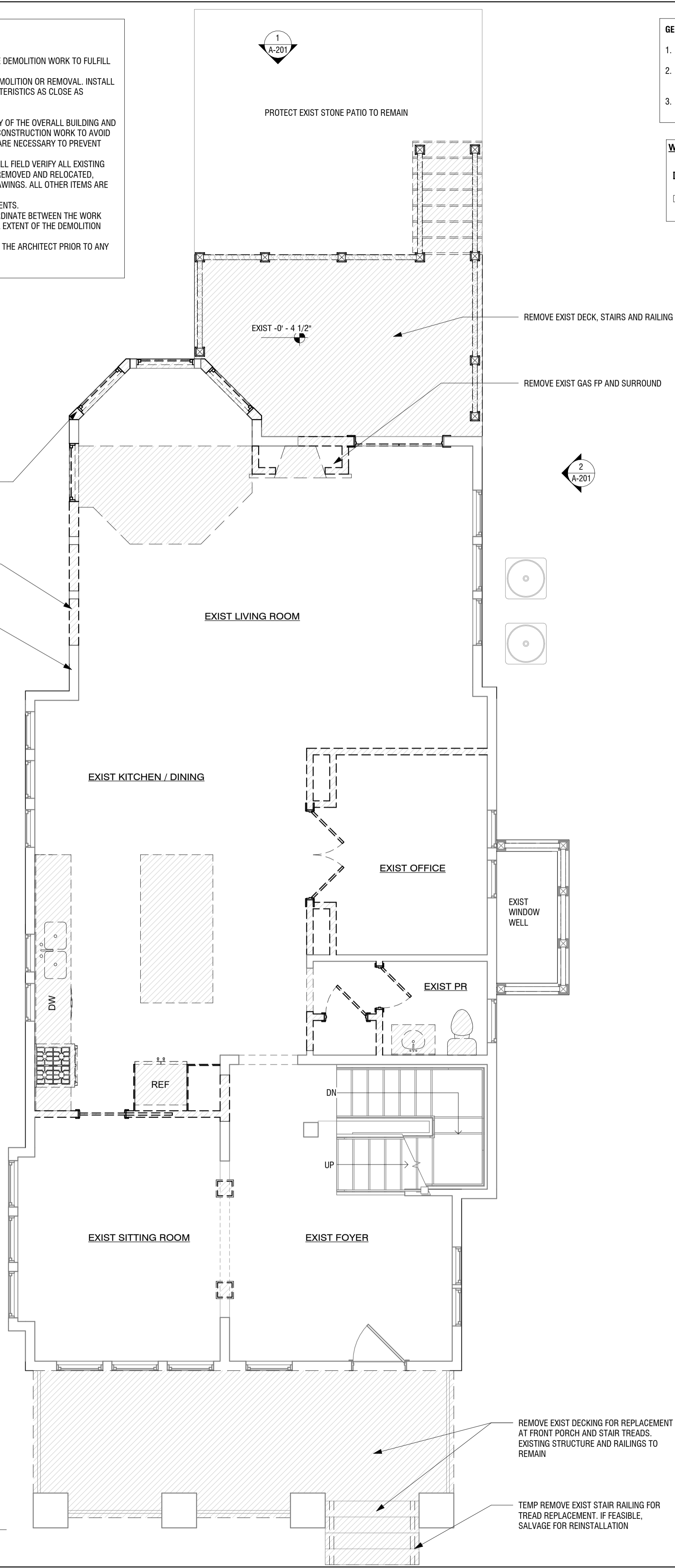
- GENERAL DEMOLITION NOTES:**
- DASHED LINES ON DEMO PLANS REPRESENT WALLS, CEILINGS, DOORS, ETC. TO BE REMOVED.
 - INSPECT AND ASSESS EACH AREA PRIOR TO ANY DEMOLITION WORK AND PROCEED WITH THE DEMOLITION WORK TO FULFILL THE INTENT OF THE DESIGN AS INDICATED BY THE CONTRACT DOCUMENTS.
 - FOR ALL SURFACES SCHEDULED TO REMAIN, PATCH AND MATCH SURFACES DISTURBED BY DEMOLITION OR REMOVAL. INSTALL PATCHING TO MATCH ADJACENT WORK IN FINISH, STRUCTURAL QUALITY, AND OTHER CHARACTERISTICS AS CLOSE AS POSSIBLE.
 - ALL DEMOLITION, CUTTING AND REMOVAL SHALL BE PERFORMED IN A SAFE MANNER.
 - PRIOR TO ANY DEMOLITION, COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE OVERALL BUILDING AND PARTS OF IT. ADJACENT STRUCTURES SHALL BE SUPPORTED DURING DEMOLITION AND NEW CONSTRUCTION WORK TO AVOID ANY STRUCTURAL DAMAGE. PROVIDE ALL TEMPORARY SHORING, SCAFFOLDING, ETC., WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
 - THE DEMOLITION AND AS-BUILT PLANS AS INDICATED ARE APPROXIMATE. SITE MANAGER SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR ANY DEMOLITION WORKS. ITEMS THAT ARE SCHEDULED TO BE REMOVED, REMOVED AND RELOCATED, DEMOLISHED ARE SHOWN DASHED AND ARE SELECTED AND DESCRIBED BY A NOTE IN THE DRAWINGS. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN WITH A SOLID LINE.
 - PROVIDE TEMPORARY ROOFING AS REQUIRED TO PROTECT INTERIOR SPACES FROM THE ELEMENTS.
 - DEMOLITION SHALL INCLUDE, BUT NOT LIMITED, TO THE ITEMS IDENTIFIED IN THE PLANS. COORDINATE BETWEEN THE WORK REQUIRED FOR THE NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION WORK.
 - COMMUNICATE ANY OMISSIONS AND/OR DISCREPANCIES FOUND IN THE DEMOLITION PLANS TO THE ARCHITECT PRIOR TO ANY DEMOLITION WORK.
 - REFER TO SHEET E-101 FOR ELECTRICAL DEMOLITION WORK.



REMOVE EXIST DIAGONAL WALLS AT TORRETT AT FIRST FLOOR ONLY. PROVIDE TEMP SUPPORT AS REQUIRED FOR SECOND FLOOR FRAMING TO REMAIN

REMOVE PORTION OF EXIST EXTERIOR WALL FOR PROPOSED WINDOWS

EXIST 2X6 EXTERIOR WALLS TO REMAIN, TYP.



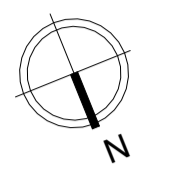
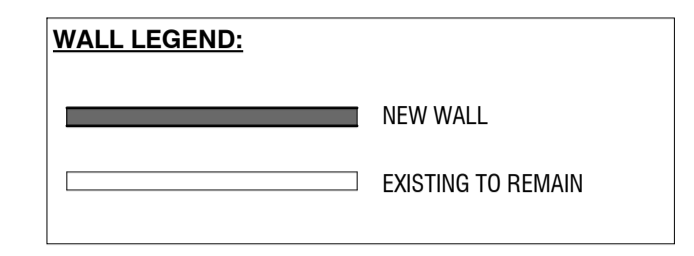
REMOVE EXIST DECK, STAIRS AND RAILING

REMOVE EXIST GAS FP AND SURROUND

REMOVE EXIST DECKING FOR REPLACEMENT AT FRONT PORCH AND STAIR TREADS. EXISTING STRUCTURE AND RAILINGS TO REMAIN

TEMP REMOVE EXIST STAIR RAILING FOR TREAD REPLACEMENT, IF FEASIBLE. SALVAGE FOR REINSTALLATION

- GENERAL NOTES:**
- DIMENSIONS SHOWN ARE TAKEN FROM FINISHED WALL SURFACES, UNLESS OTHERWISE NOTED.
 - 2X6 @ 16" O.C. WITH 1/2" DRYWALL AT ALL POCKET DOOR WALLS. 2X4 @ 16" O.C. WITH 1/2" DRYWALL AT ALL OTHER INTERIOR WALLS, UNLESS OTHERWISE NOTED.
 - REFER TO FINISH SCHEDULE ON A-600 FOR ALL FLOOR, WALL AND CEILING FINISHES.



- PROPOSED FP WALLS:**
- CULTURED STONE VENER, ALL SIDES
 - 1/2" DUROCK BACKER BOARD
 - 2X4 FRAMING @ 16" O.C.

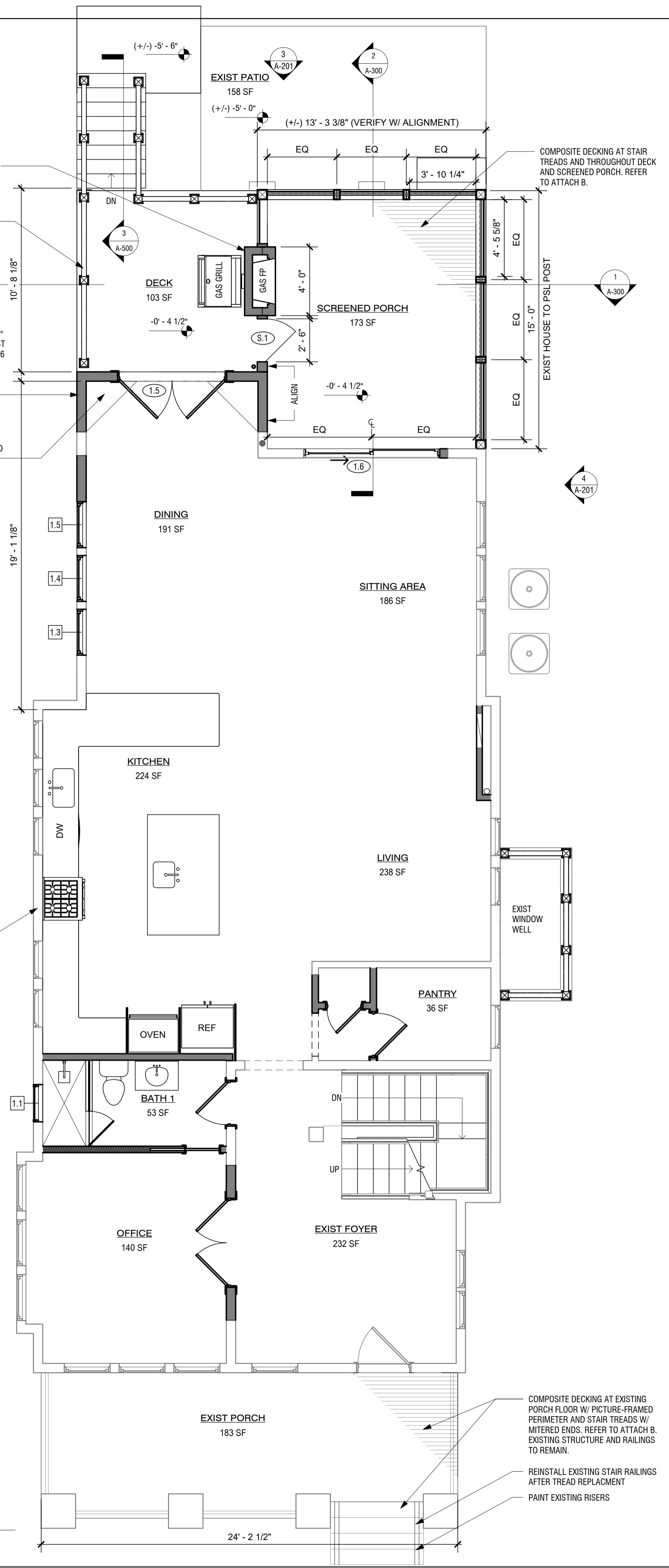
COMPOSITE RAILING, POSTS & BALUSTERS. REFER TO ATTACH B

- PROPOSED EXTERIOR WALLS:**
- HARDIE SHINGLE SIDING, 5" EXPOSURE TO MATCH EXIST
 - TYVEK DRAINWRAP ON 7/16 OSB SHEATHING
 - 2X6 @ 16" O.C. W/ R-15 INSULATION
 - 1/2" DRYWALL

INFILL JOISTS AND FLOORING. PROVIDE R-19 BATT INSULATION AND 1/2" MDO AT UNDERSIDE, PAINTED

EXISTING 2X6 EXTERIOR WALLS TO REMAIN, TYP.

1 FIRST FLOOR PROPOSED PLAN
1/4" = 1'-0"



COMPOSITE DECKING AT STAIR TREADS AND THROUGHOUT DECK AND SCREENED PORCH. REFER TO ATTACH B.

EXIST HOUSE TO PSI POST

COMPOSITE DECKING AT EXISTING PORCH FLOOR W/ PICTURE-FRAMED PERIMETER AND STAIR TREADS W/ MITERED ENDS. REFER TO ATTACH B. EXISTING STRUCTURE AND RAILINGS TO REMAIN.

REINSTALL EXISTING STAIR RAILINGS AFTER TREAD REPLACEMENT

PAINT EXISTING RISERS

2 FIRST FLOOR DEMOLITION PLAN
1/4" = 1'-0"



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COA SUBMISSION	12/18/2023

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REVIEWED/APPROVED BY: BOB

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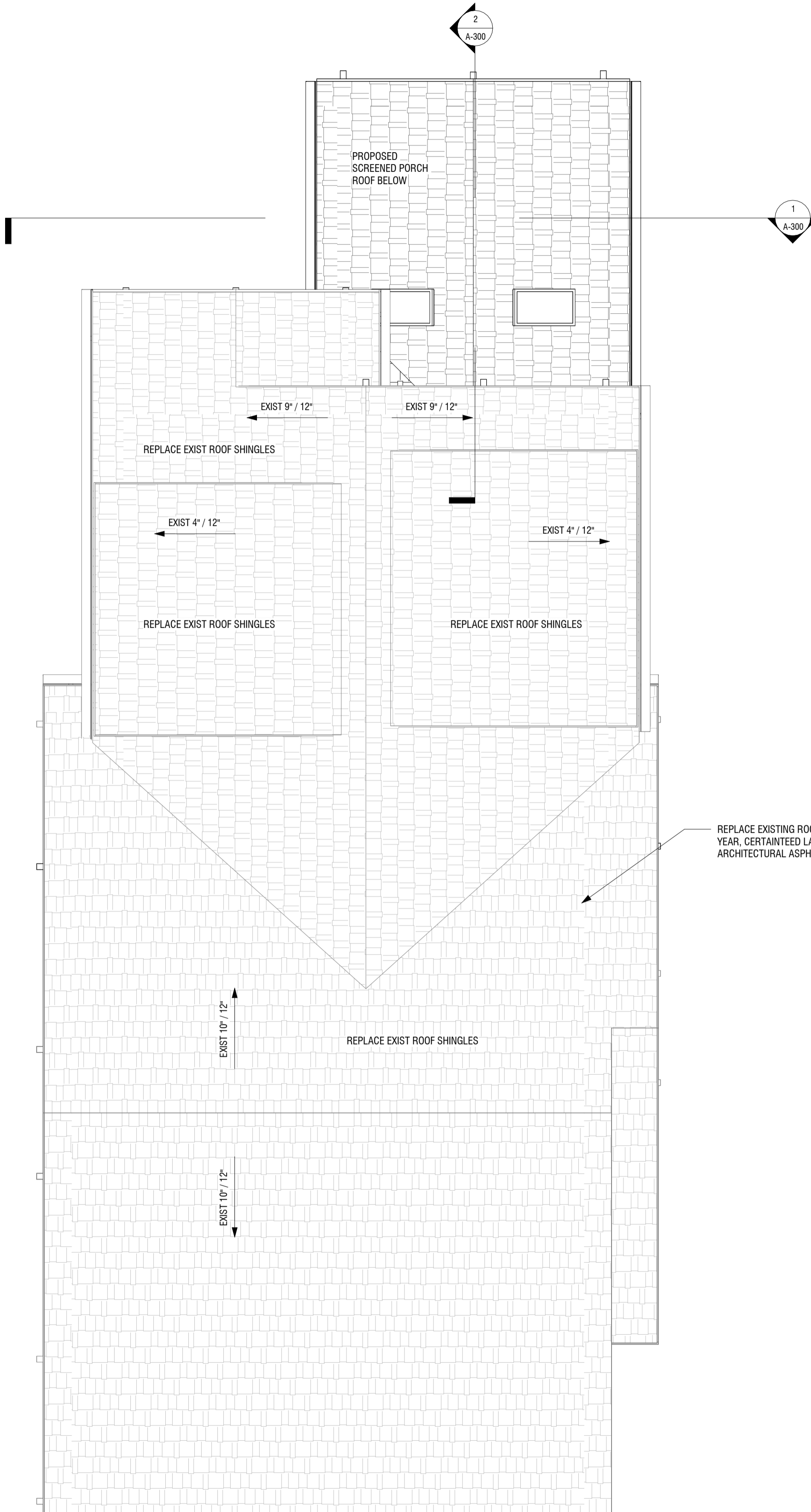
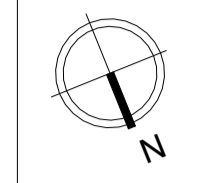
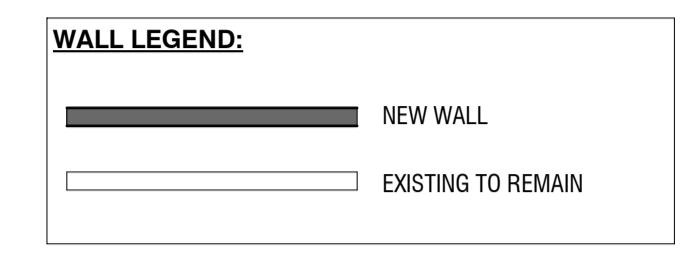
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**DEMO &
PROPOSED FIRST
FLOOR PLANS**

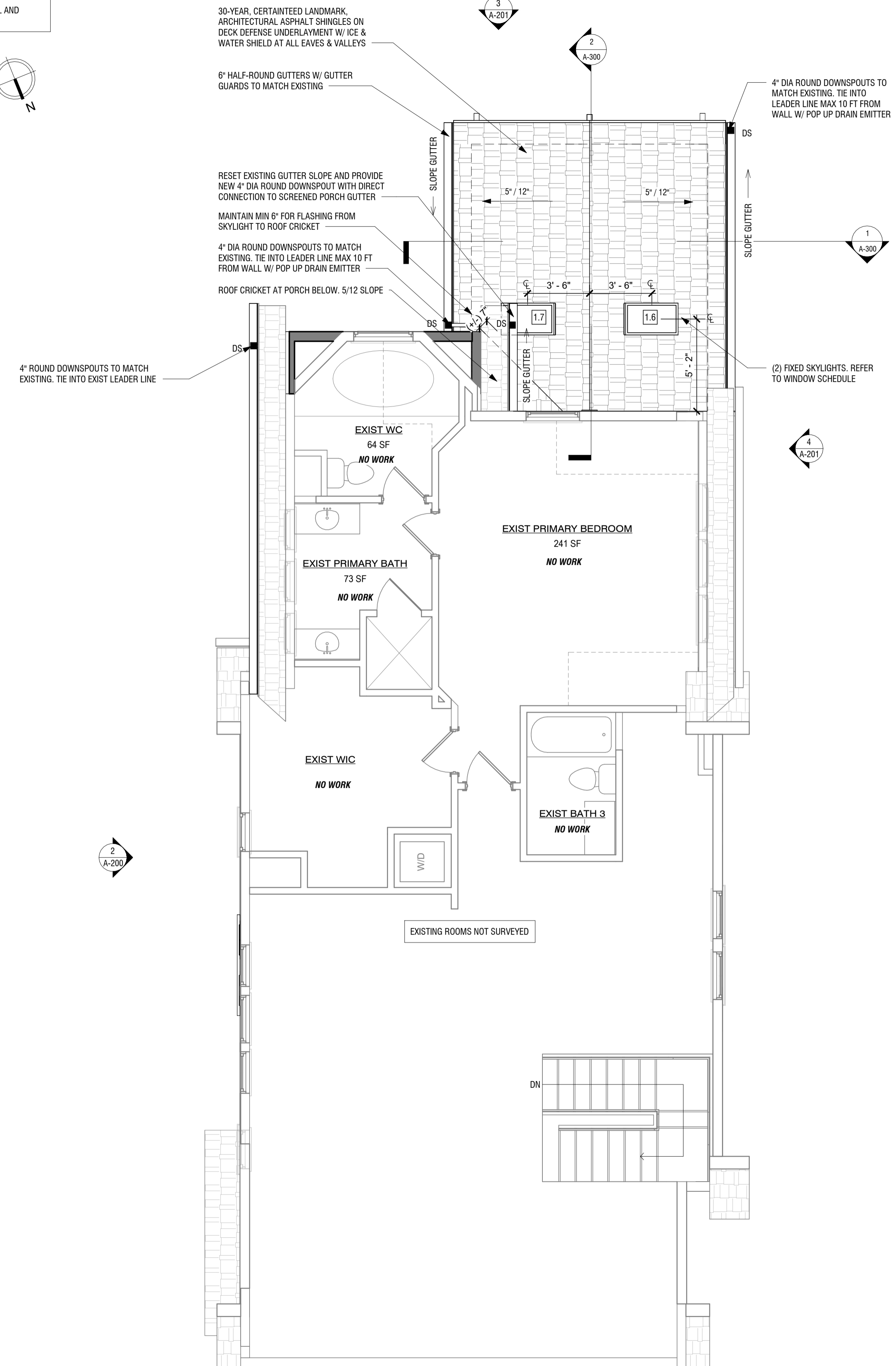
SHEET NUMBER:

A-101

- GENERAL NOTES:**
- DIMENSIONS SHOWN ARE TAKEN FROM FINISHED WALL SURFACES, UNLESS OTHERWISE NOTED.
 - 2x6 @ 16" O.C. WITH 1/2" DRYWALL AT ALL POCKET DOOR WALLS. 2x4 @ 16" O.C. WITH 1/2" DRYWALL AT ALL OTHER INTERIOR WALLS, UNLESS OTHERWISE NOTED.
 - REFER TO FINISH SCHEDULE ON A-600 FOR ALL FLOOR, WALL AND CEILING FINISHES.



2 UPPER ROOF PLAN
1/4" = 1'-0"



1 PROPOSED SECOND FLOOR & LOW ROOF PLAN
1/4" = 1'-0"



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SHEET TITLE:
**PROPOSED
SECOND FLOOR &
LOW ROOF PLAN**

SHEET NUMBER:
A-102



AVERAGE GRADE CALCULATION (FROM EXIST FIRST FLOOR LEVEL):

- GRADE LEVEL A = 5' - 10"
- GRADE LEVEL B = 5' - 9"
- GRADE LEVEL C = 5' - 0"
- GRADE LEVEL D = 5' - 0"

TOTAL GRADE LEVEL = 21' - 7"
 21' - 7" / 4 = 5' - 4 3/4"

AVERAGE GRADE LEVEL = 5' - 4 3/4"

1 SIDE 1 DEMO EXTERIOR ELEVATION
 1/4" = 1'-0"



2 SIDE 1 PROPOSED EXTERIOR ELEVATION
 1/4" = 1'-0"



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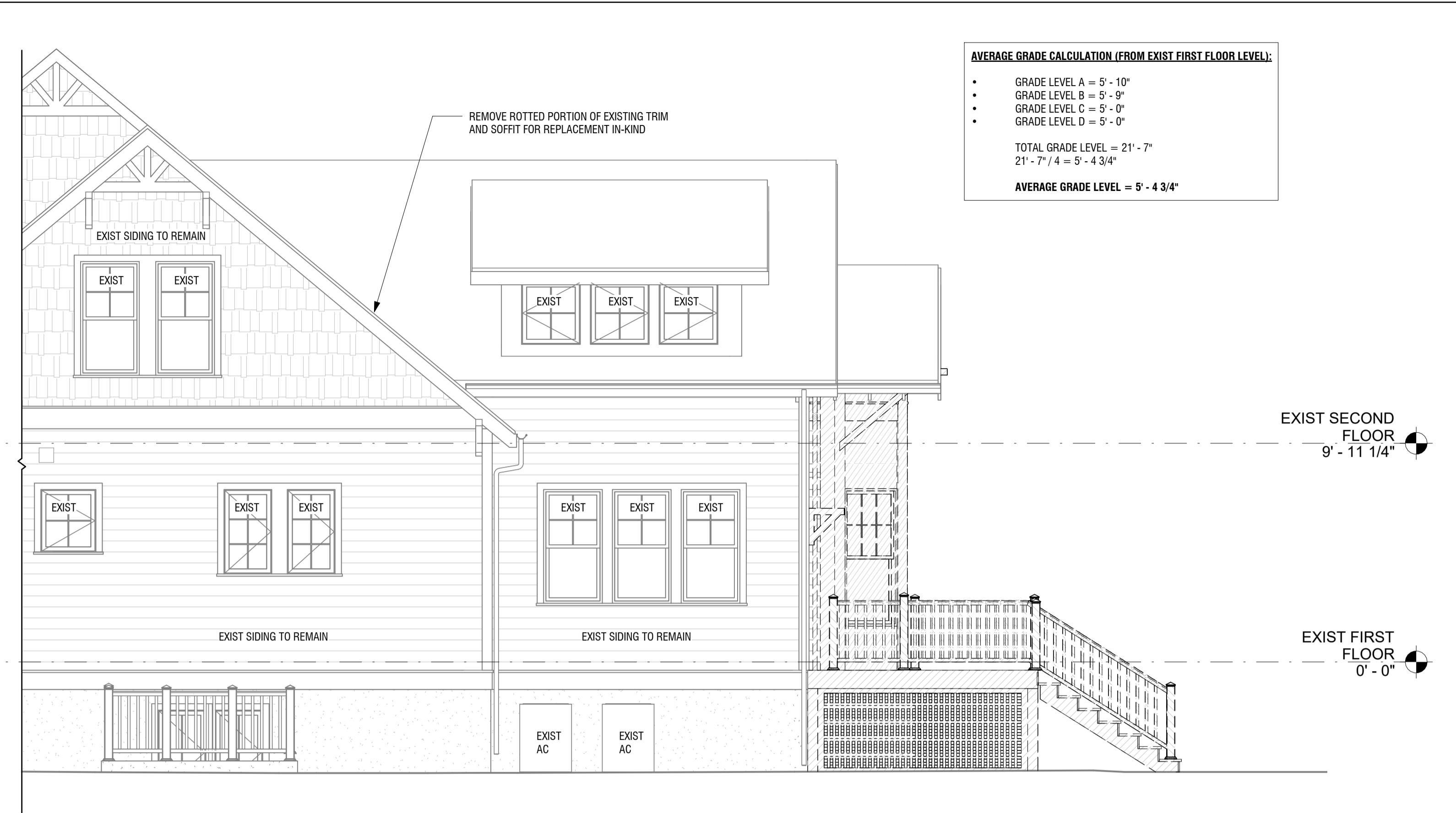
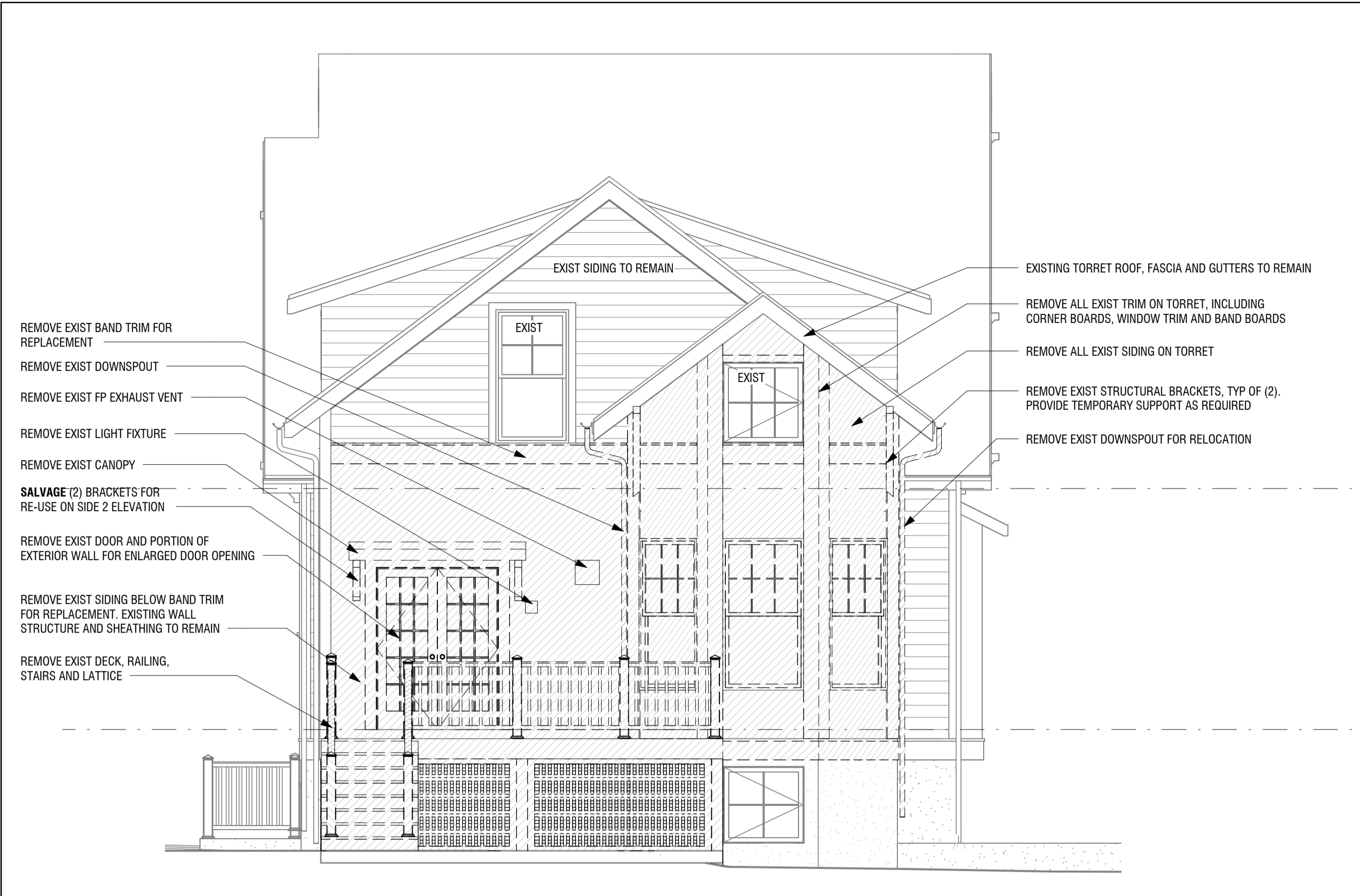
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SHEET TITLE:
**DEMO &
 PROPOSED
 EXTERIOR
 ELEVATIONS**

SHEET NUMBER:
A-200



AVERAGE GRADE CALCULATION (FROM EXIST FIRST FLOOR LEVEL):

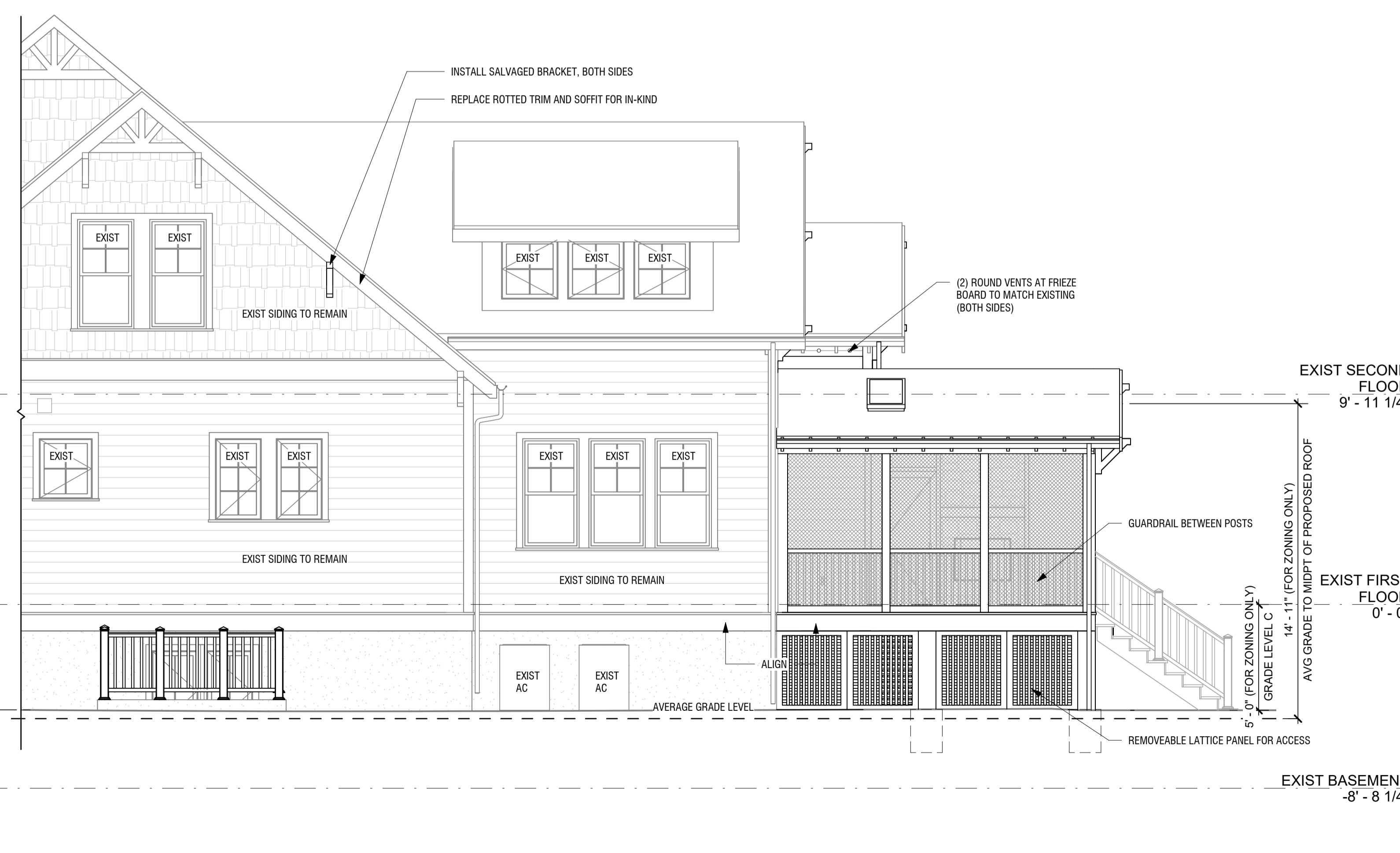
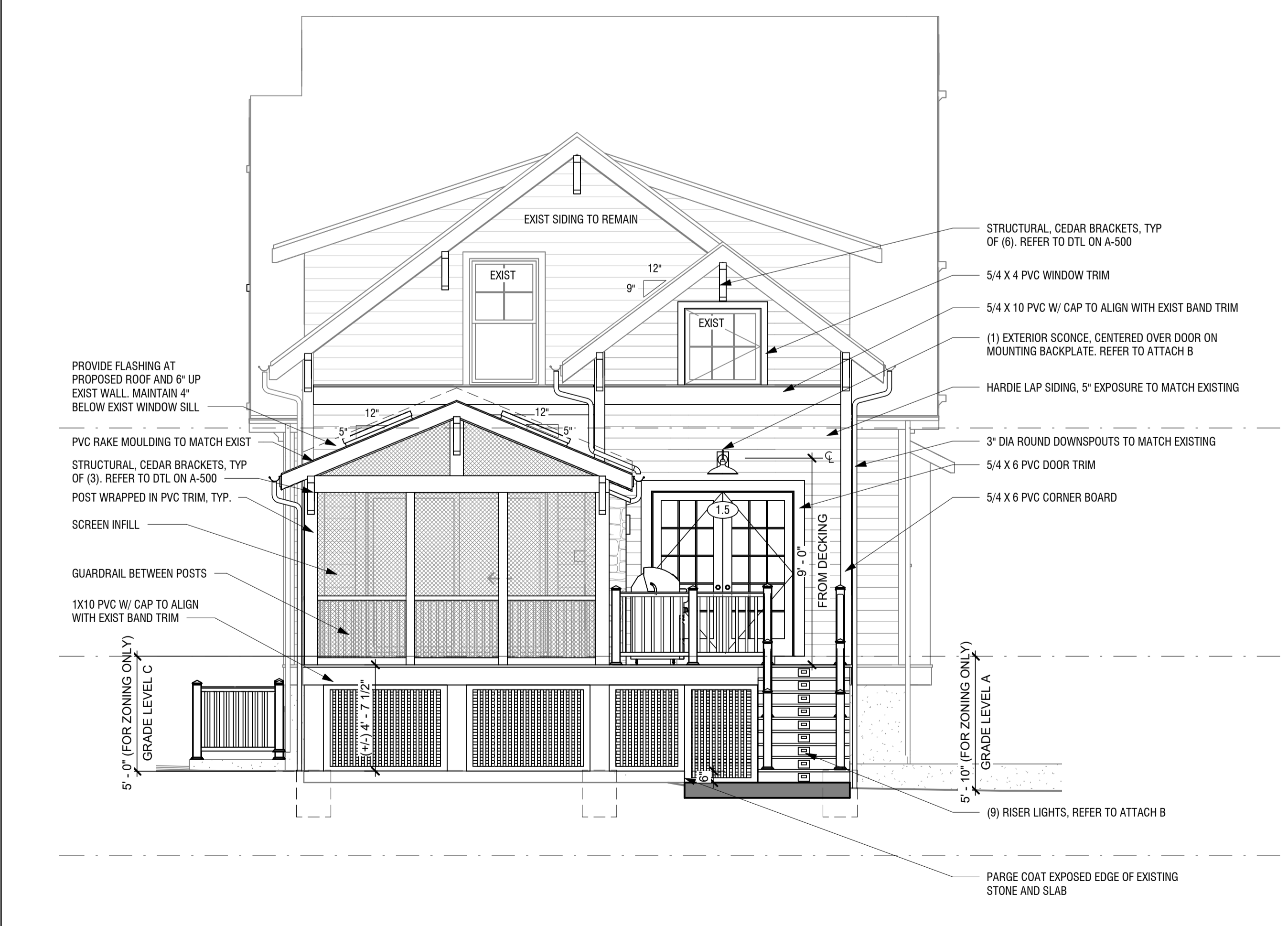
- GRADE LEVEL A = 5' - 10"
- GRADE LEVEL B = 5' - 9"
- GRADE LEVEL C = 5' - 0"
- GRADE LEVEL D = 5' - 0"

TOTAL GRADE LEVEL = 21' - 7"
21' - 7" / 4 = 5' - 4 3/4"

AVERAGE GRADE LEVEL = 5' - 4 3/4"

1 REAR DEMO EXTERIOR ELEVATION
1/4" = 1'-0"

2 SIDE 2 DEMO EXTERIOR ELEVATION
1/4" = 1'-0"



3 REAR PROPOSED EXTERIOR ELEVATION
1/4" = 1'-0"

4 SIDE 2 PROPOSED EXTERIOR ELEVATION
1/4" = 1'-0"



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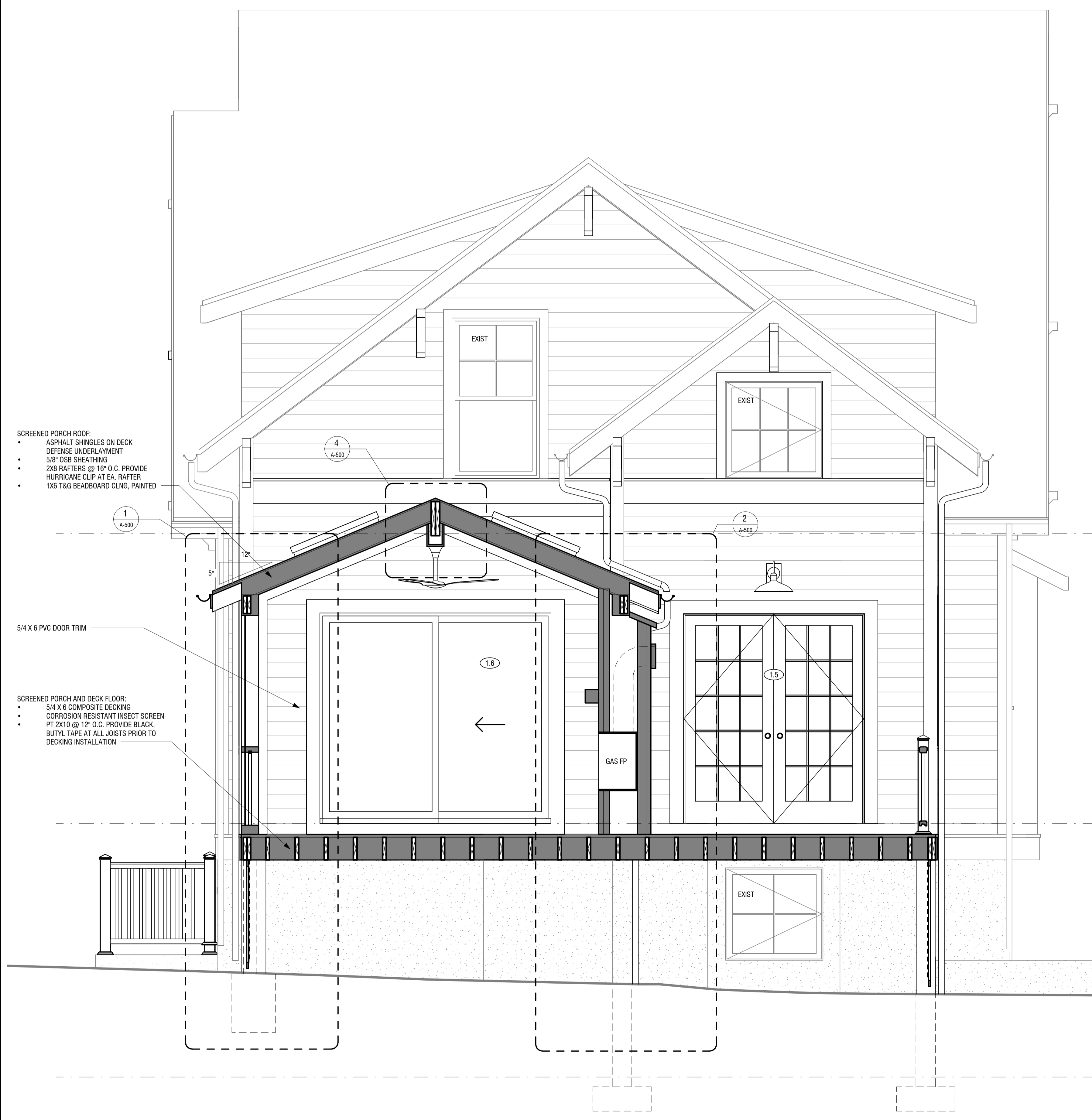
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SHEET TITLE:
DEMO & PROPOSED EXTERIOR ELEVATIONS

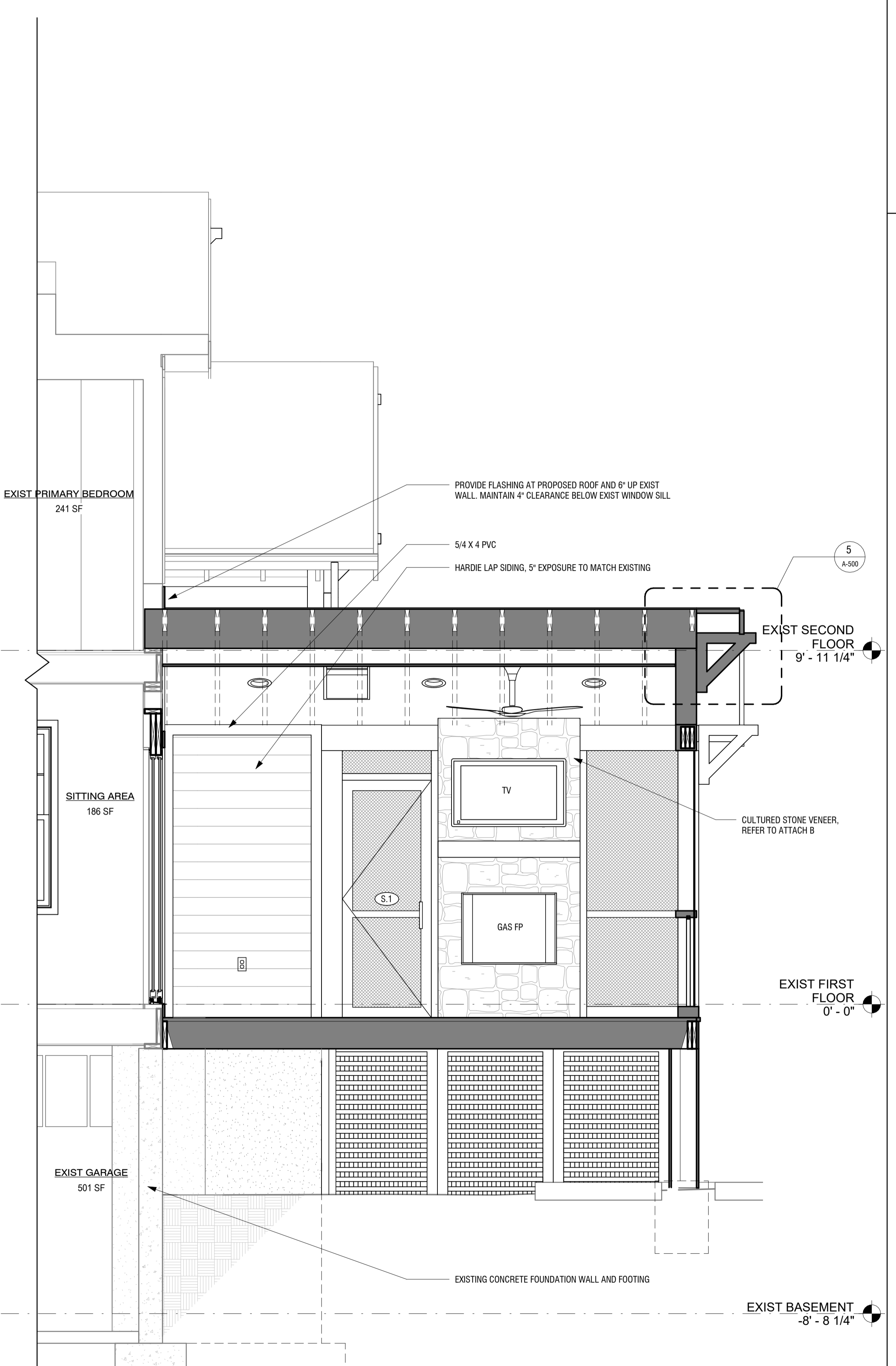
SHEET NUMBER:
A-201



SCREENED PORCH ROOF:
 • ASPHALT SHINGLES ON DECK
 • DEFENSE UNDERLAYMENT
 • 5/8" OSB SHEATHING
 • 2X8 RAFTERS @ 16" O.C. PROVIDE HURRICANE CLIP AT EA. RAFTER
 • 1X6 T&G BEADBOARD CLING, PAINTED

SCREENED PORCH AND DECK FLOOR:
 • 5/4 X 6 COMPOSITE DECKING
 • CORROSION RESISTANT INSECT SCREEN
 • PT 2X10 @ 12" O.C. PROVIDE BLACK BUTYL TAPE AT ALL JOISTS PRIOR TO DECKING INSTALLATION

1 BUILDING SECTION 1
 1/2" = 1'-0"



PROVIDE FLASHING AT PROPOSED ROOF AND 6" UP EXIST WALL. MAINTAIN 4" CLEARANCE BELOW EXIST WINDOW SILL

5/4 X 4 PVC

HARDIE LAP SIDING, 5" EXPOSURE TO MATCH EXISTING

2 BUILDING SECTION 2
 1/2" = 1'-0"



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 (VA) 15A738473

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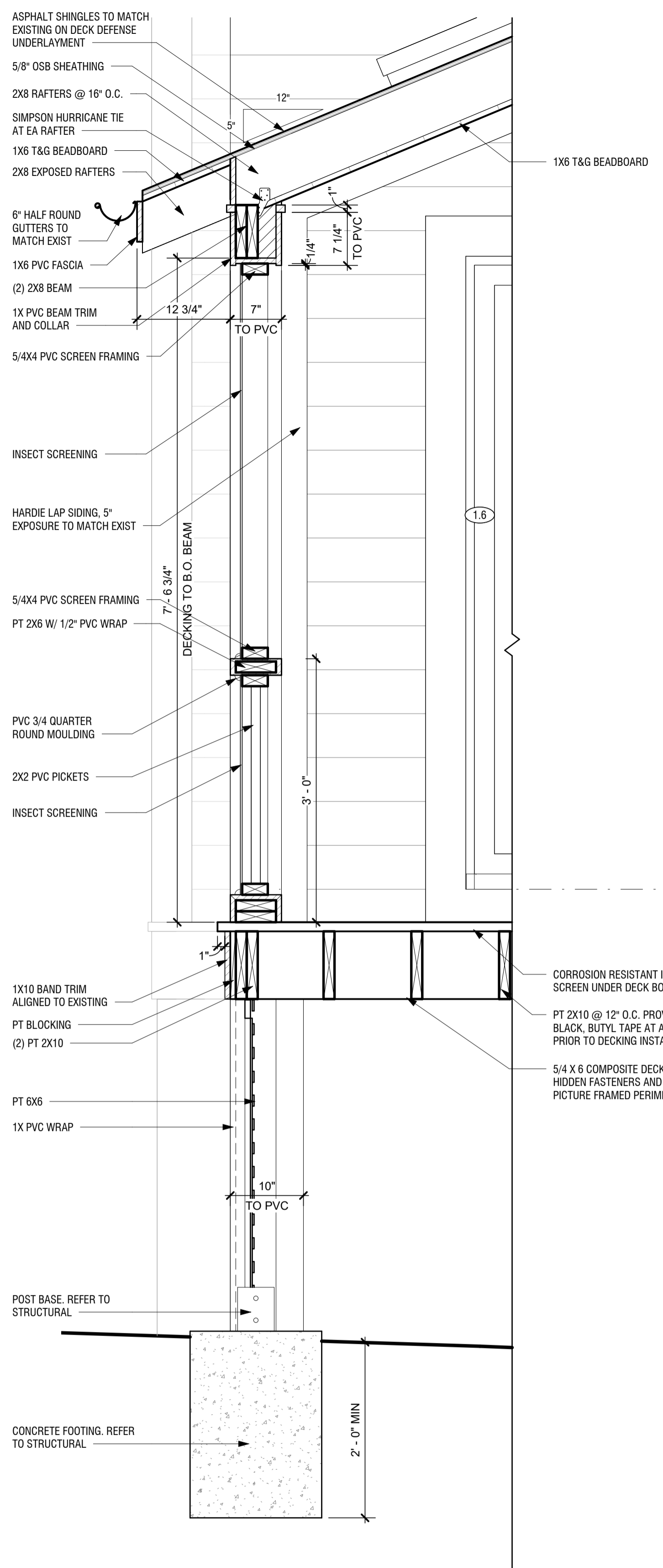
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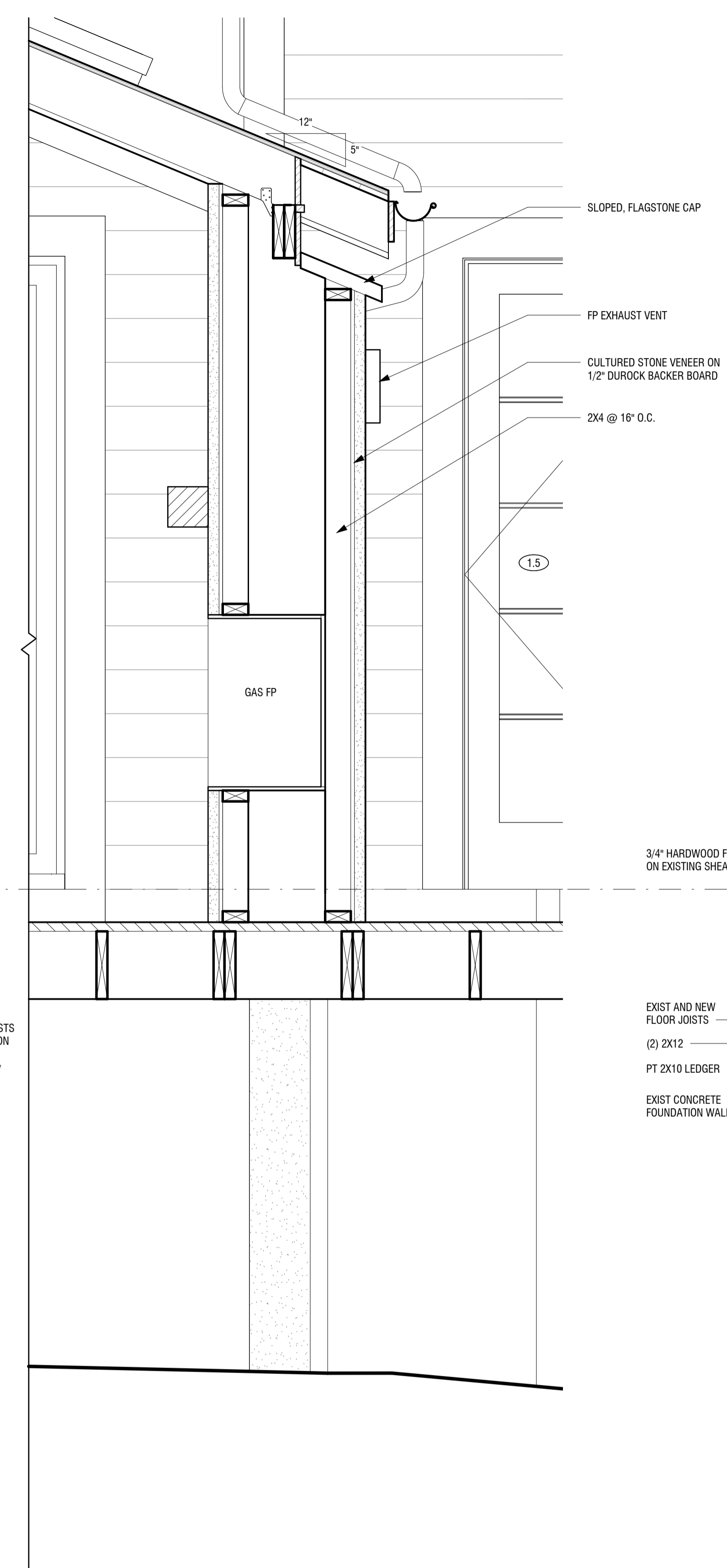
SHEET TITLE:

**BUILDING
 SECTIONS**

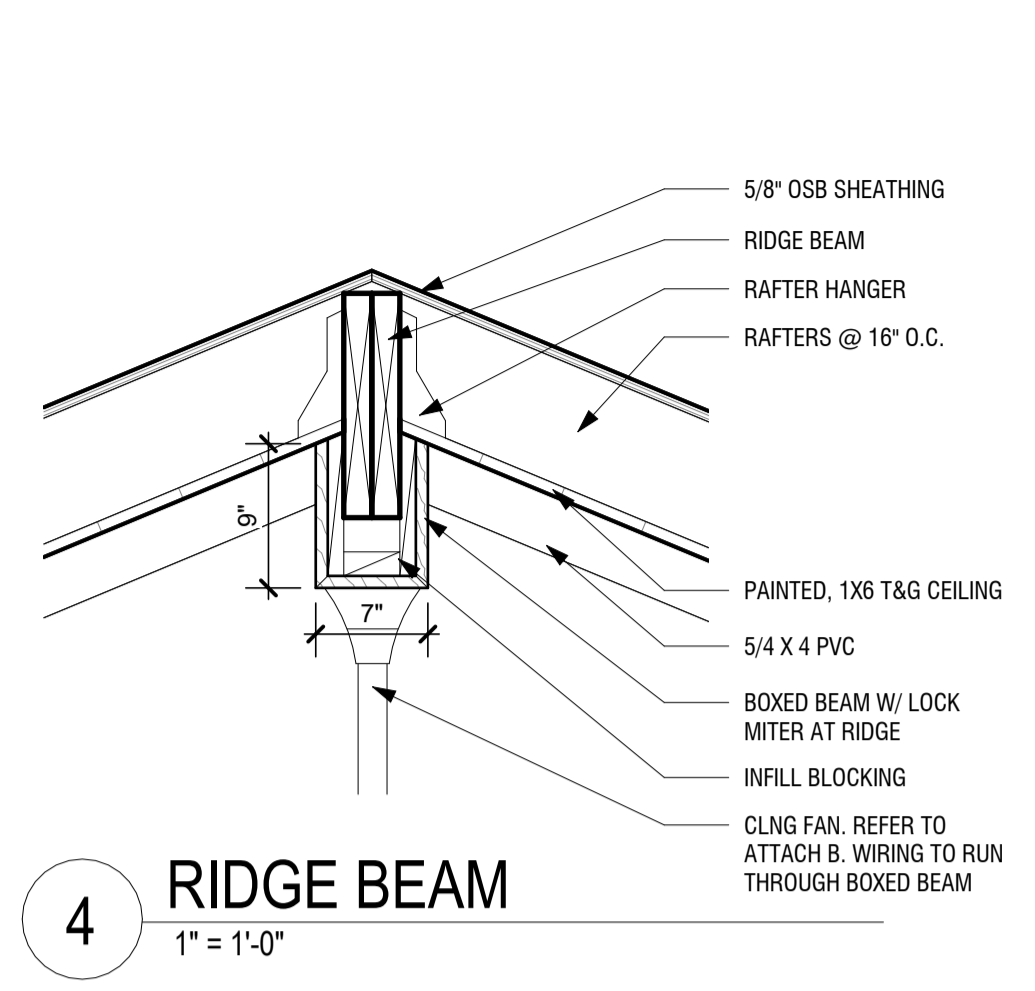
SHEET NUMBER:
A-300



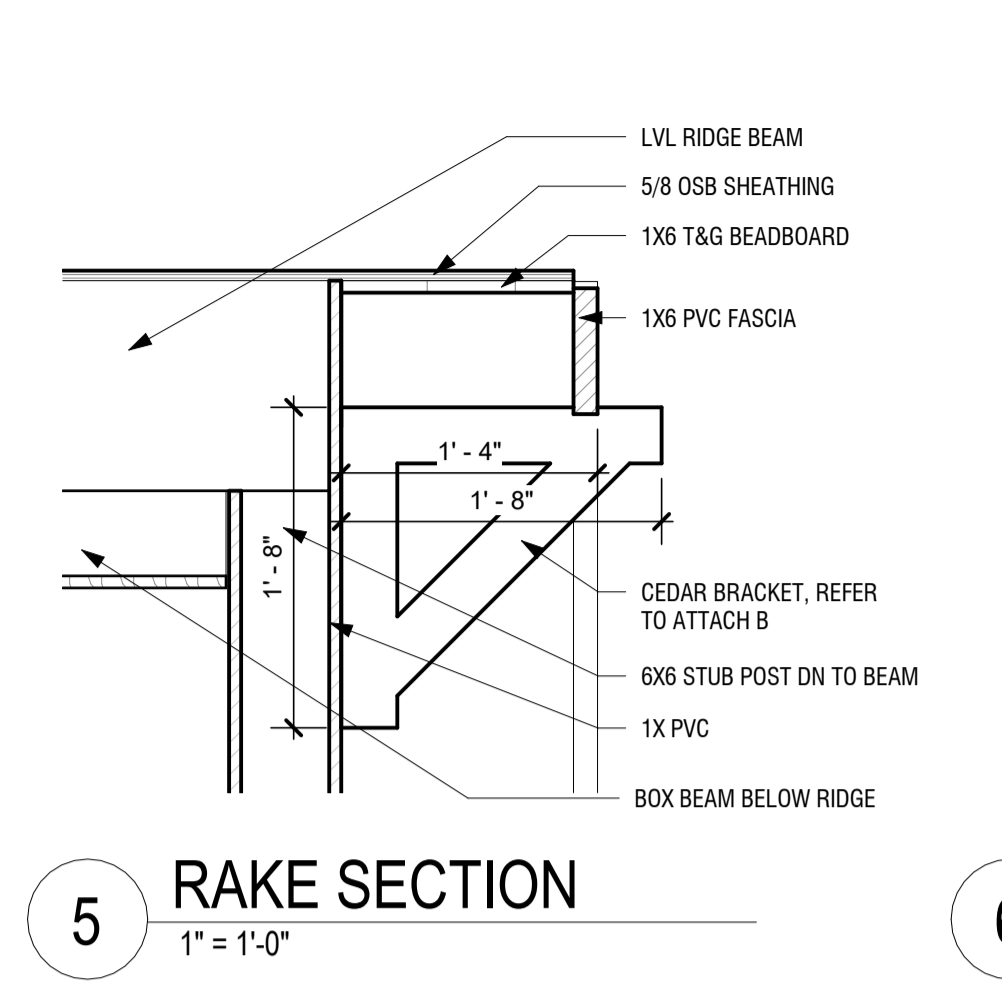
1 PORCH WALL SECTION
1" = 1'-0"



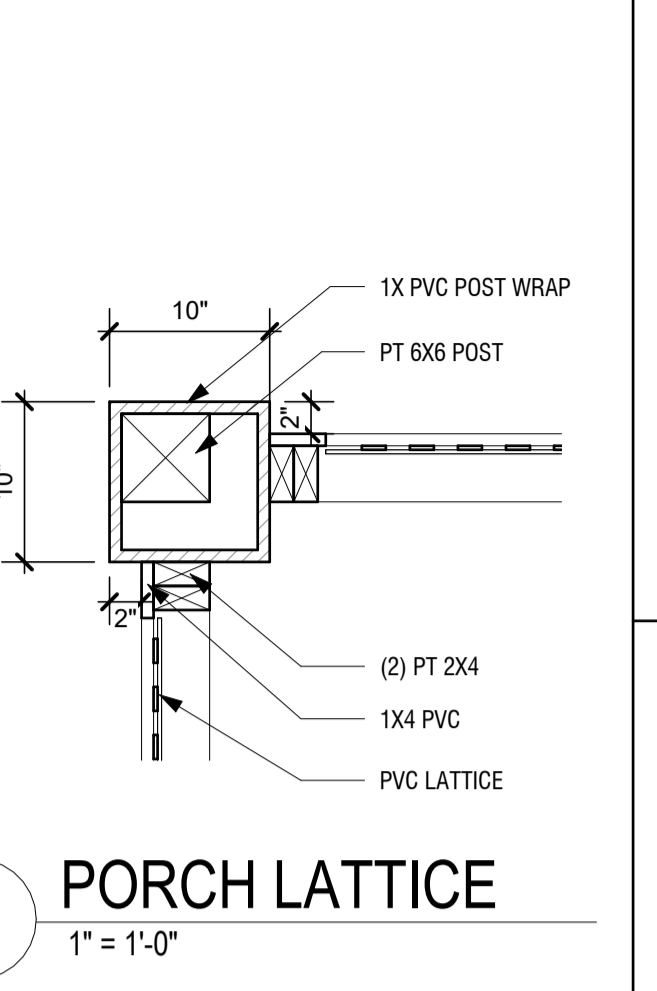
2 PORCH WALL SECTION 2
1" = 1'-0"



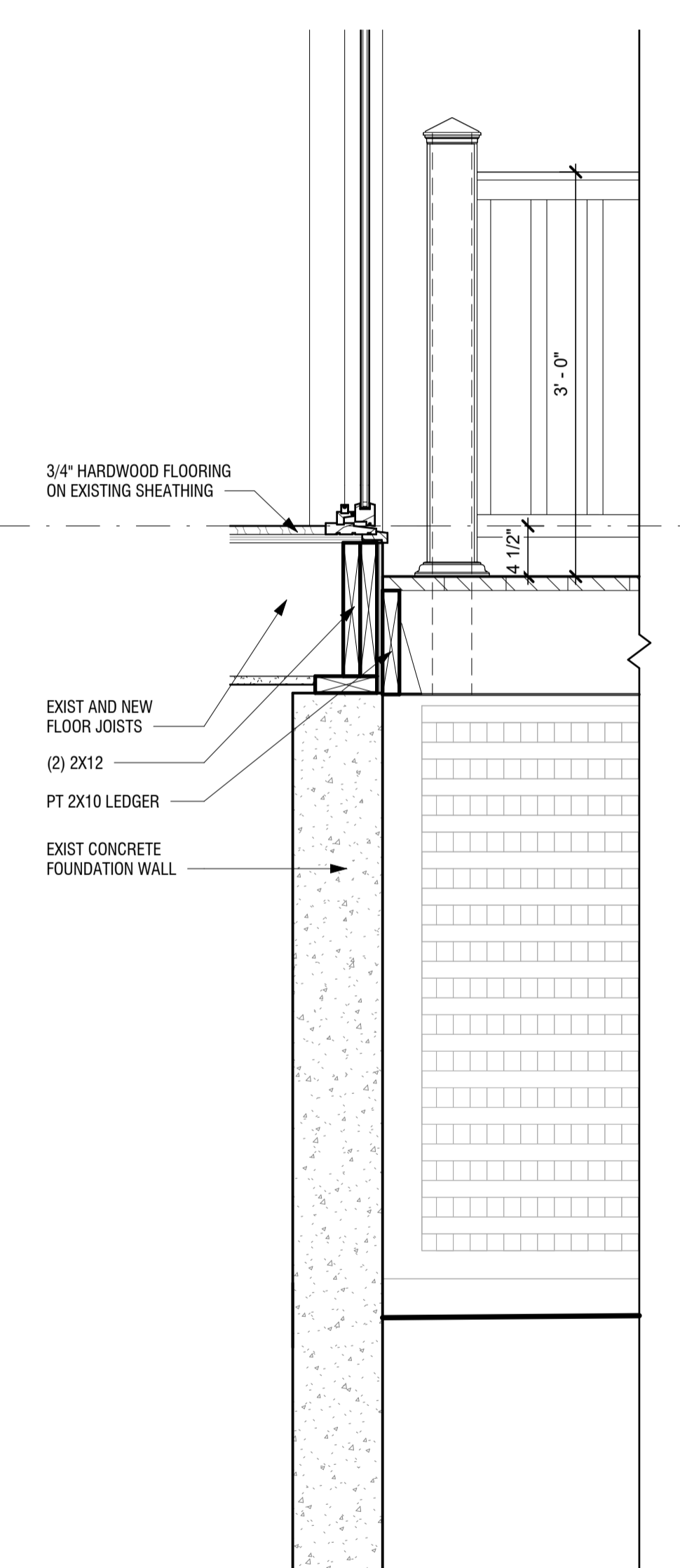
4 RIDGE BEAM
1" = 1'-0"



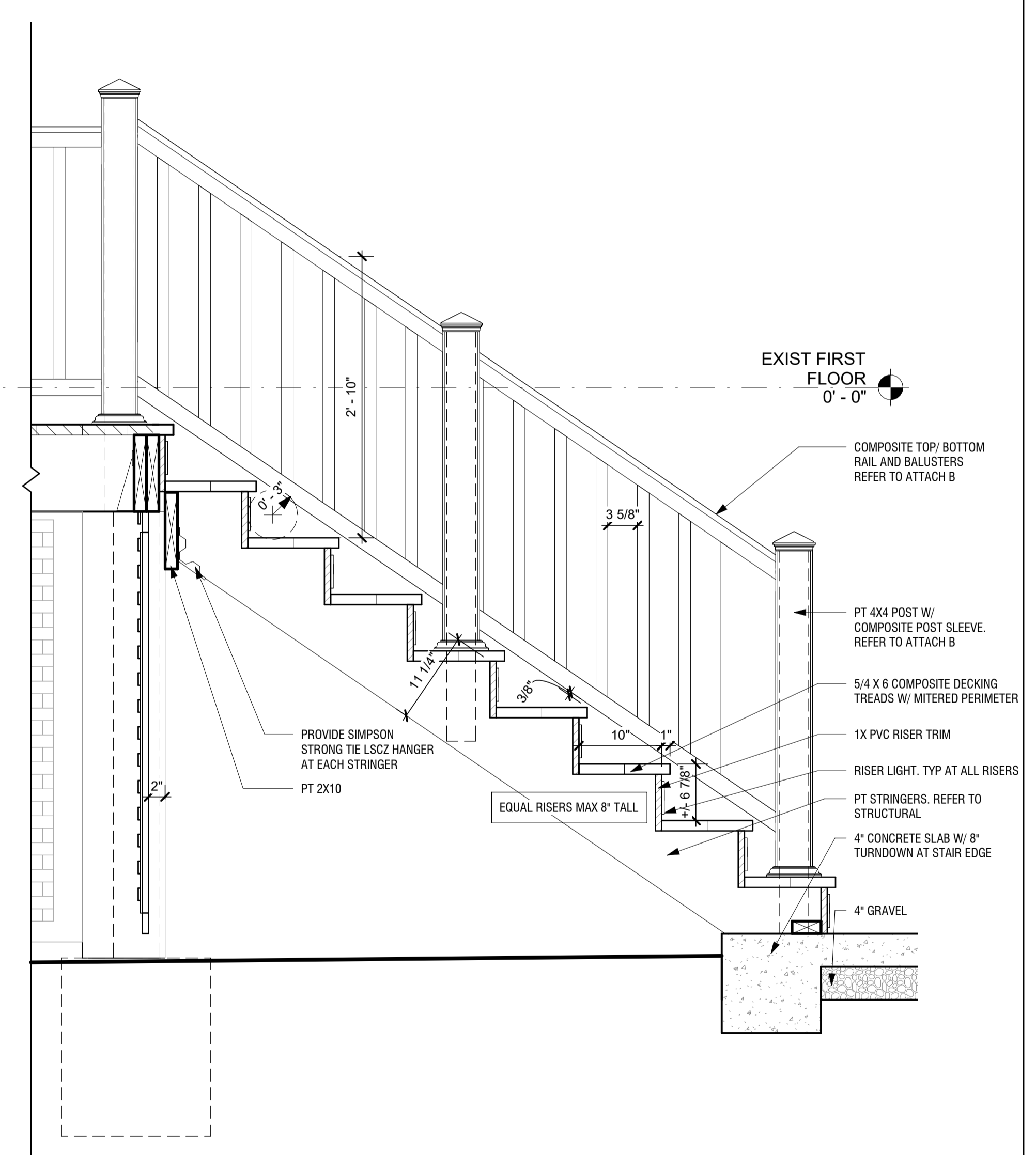
5 RAKE SECTION
1" = 1'-0"



6 PORCH LATTICE
1" = 1'-0"



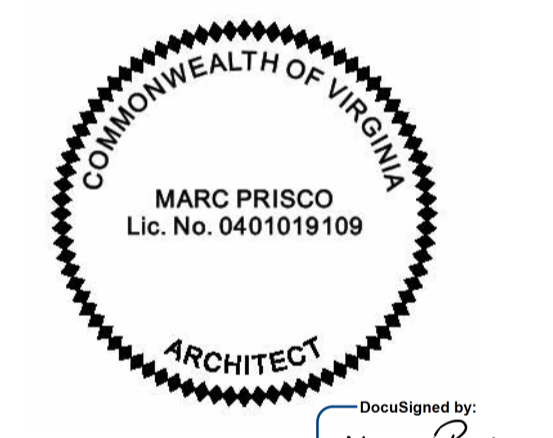
3 DECK STAIR SECTION
1" = 1'-0"



6715 Whittier Avenue
McLean VA. 22101
Office: 703.506.0845
Fax: 703.506.0619

**HOMAN
CORBUS
RESIDENCE**
2900 22ND ST N
ARLINGTON, VA 22201

PROFESSIONAL SEAL:



DESCRIPTION	DATE
COA SUBMISSION	12/18/2023

DESIGNED/DRAWN BY: MP
REVIEWED/APPROVED BY: BOB

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SHEET TITLE:

**WALL SECTIONS
AND DETAILS**

SHEET NUMBER:

A-500























3 1/2"W X 20"D X 20"H TRADITIONAL CRAFTSMAN SMOOTH BRACKET, WESTERN RED CEDAR

★★★★★ 75 customer reviews | Ask a Question (6)

Item No.: BKT04X20X20TRA04SWR

WIDTH	DEPTH	HEIGHT
3 1/2"	20"	20"

CHOOSE YOUR OPTIONS

1. Size (Depth x Height)
20"D x 20"H

2. Style

Arts and Crafts End

Block End

Craftsman End

Slat End

Traditional End

3. Material

3 1/2"W Western Red Cedar (Smooth)



View All Options

3-1/2

3 1/2"W Douglas Fir (Smooth)

3-1/2

3 1/2"W Western Red Cedar (Smooth)

4

4"W Douglas Fir (Rough Sawn)

4

4"W Western Red Cedar (Rough Sawn)

5-1/2

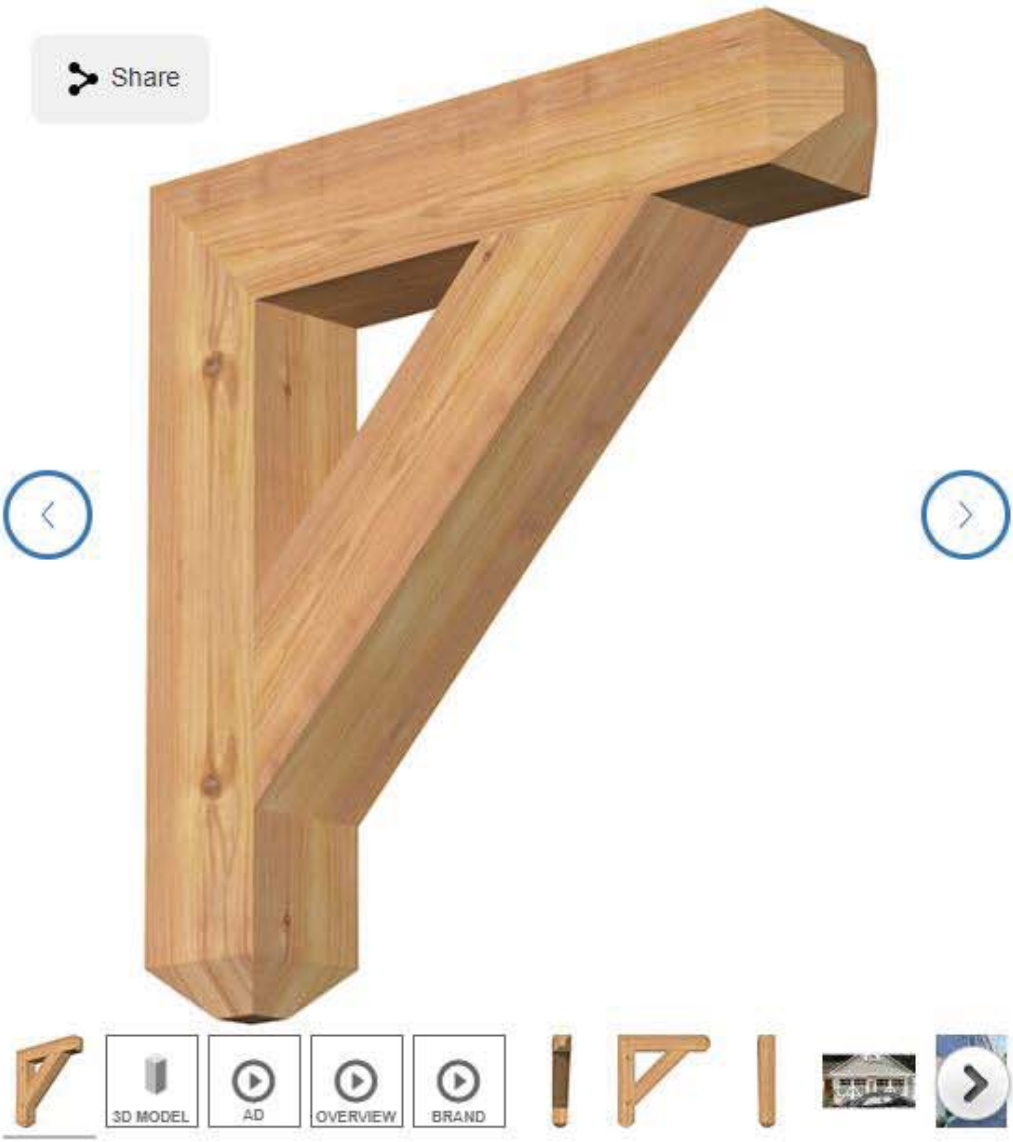
5 1/2"W Douglas Fir (Smooth)

5-1/2

5 1/2"W Western Red Cedar (Smooth)

6

6"W Douglas Fir (Rough Sawn)



OLD COUNTRY FIELDSTONE



Old Country Fieldstone brings country charm to the 21st century. Highly versatile, it's a great choice for looks ranging from over grouted rural Tuscan to tight-fitted formal finishes.

The product colors you see are as accurate as current photography and website or display techniques allow. We suggest visiting your nearest Dealer to look at product samples before selecting colors.

Dimensions (approx): 1.5" - 10" H x 4" - 16.5" L

ECHO RIDGE[®]





2.3 CULTURED STONE VENEER

Materials

A. Stone Veneer & Brick Veneer:

SELECT DESIRED PROFILE FROM THE CULTURED STONE WEBSITE [PRODUCTS](#) PAGE; INSERT PROFILE AND COLOR SPECIFICATION BELOW.

1. Profile: _____ . Include matching corner pieces.
2. Color: _____ .

B. Accessories

SELECT DESIRED STONE ACCESSORIES FROM THE CULTURED STONE WEBSITE [ACCESSORIES](#) PAGE; INSERT DESIRED ACCESSORIES BELOW AND INSERT TEXTURE IF REQUIRED. VERIFY THAT DIMENSIONS, IF REQUIRED, ARE SHOWN ON THE DRAWINGS.

1. Stone Accessories: _____ .
2. Color: _____ .

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared in conformance with ASTM C 1780 for the backup wall system indicated on the Drawings.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install manufactured stone masonry veneer in accordance with MVMA Installation Guide for Adhered Manufactured Stone Veneer, ASTM C 1780 and applicable Codes.
- C. Install/Apply Related Materials in accordance with type of substrate and manufactured stone veneer manufacture's installation instructions.
- D. General:
 1. Walls: Provide with Single Color and Texture throughout.
 2. Walls: Provide with Blended Color / Texture specified.
 3. Special Shapes: Color to match stones specified.
 - a. Provide Stones manufactured specifically for installation at corners where located on the Drawings.
 - b. Install Quoins on corners as indicated on the Drawings.
 4. Mortar Joints
 - a. Style:
 - 1) Tight Fit joints.
 - 2) Standard 1/2 inch tooled
 - 3) Wide joint
 - 4) Wide Overgrout
 - b. Strike all grout joints flush.
 - c. Tool all grout joints.
 - d. Overgrout all grout joints.
 5. Stone Direction:
 - a. Random placement



- b. Horizontal placement
- c. Vertical placement
- 6. Windows, Doors & Wall Openings:
 - a. Butt field stones to wall opening.
 - b. Install specified trim stones where located on the Contract Drawings.
- 7. Sills: Install Sills where located on the Drawings.
- 8. Caps: Install Capstones where located on the Drawings.
- E. Seal all joints at wall openings and penetrations with a sealant approved for use with masonry products.
- F. Flashing: Coordinate with Flashings specified in Section 07 62 00 - Sheet Metal Flashing and Trim.
- G. Rainscreen: Coordinate with Rainscreens specified in Section 07 27 00 - Air Barriers.

3.4 FIELD QUALITY CONTROL

- A. Manufacturer's Field Services: Provide periodic site visits as requested by Architect. Report any discrepancies to the Contractor with copies to the Architect within 24 hours of each visit.

3.5 CLEANING

- A. Clean manufactured masonry in accordance with manufacturer's installation instructions

3.6 PROTECTION

- A. Protect finished work from rain and work on either side of the wall during and for 48 hours following installation.
- B. Protect installed products until completion of project.
- C. Clean prior to project closeout.
- D. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

TECHNICAL DATA

The **Cultured Stone®** collection of manufactured stone veneers is engineered to meet or exceed specifications for all major code approvals. Manufacturers who offer “just like” or a so-called “equivalent” to Cultured Stone manufactured stone veneer products should be asked to document claims of test results and research reports.

Complete copies of these Cultured Stone manufactured stone veneer building code evaluation reports, research reports, approvals and listings are available upon request:

- ICC-ES ESR-1364
- Tested and listed by Underwriters Laboratories, Inc.
- Texas Department of Insurance–
Product Evaluation Report, EC-21
- Florida Product Approval FL15047
- HUD Materials Release No. 1316
- BMEC Authorization

Note: Local building codes may vary; always check with your local building code authority prior to installation.

Results of tests conducted by an independent testing agency confirm that the Cultured Stone collection of manufactured stone veneers conforms to or exceeds the following test requirements as specified in ICC Evaluation Service Acceptance Criteria 51 for Precast Stone Veneer:

MATERIALS

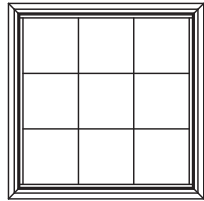
CEMENT	ASTM C 150 or ACI 318 Section 3.2.1
SAND	ASTM C 144 or C 33
AGGREGATE	ASTM C 33 or C 330 (except gradation), C 331

TESTING

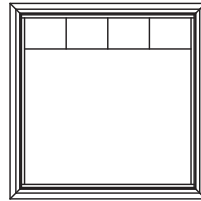
SHEAR BOND TEST (ADHESION)	Tested in accordance with ASTM C 482	> 50 psi
WATER ABSORPTION	Tested in accordance with UBC 15-5	9%–22% depending on texture
FREEZE/THAW CHARACTERISTICS	Testing procedures follow those outlined in ASTM C 67	< 3% mass loss
COMPRESSIVE STRENGTH	Tested in accordance with ASTM C 39	> 1800 psi @ 28 days
UNIT WEIGHT	Density is determined in accordance with ASTM C 567	< 15 lbs. per square foot
TENSILE STRENGTH	Tested in accordance with ASTM C 190	Reported
FLEXURAL STRENGTH	Tested in accordance with ASTM C 348	Reported
THERMAL PROPERTIES	Tested in accordance with ASTM C 177-71	R-value is .620 based on a 1.75" thick sample. Average thickness may vary on different Cultured Stone veneer products, and the R-value will vary accordingly.
NONCOMBUSTIBLE	Tested and listed by Underwriters Laboratories, Inc.	Cultured Stone brand products showed zero flame spread and zero smoke development.

GRID PATTERNS

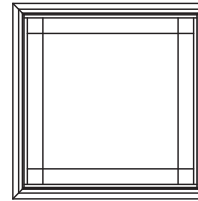
Rectangular



Colonial

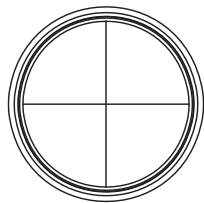


Colonial From
Top Down

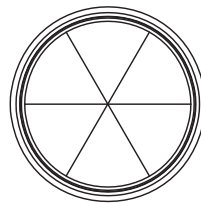


Prairie
Glass

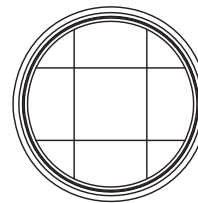
Full Round



FR4

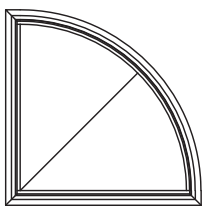


FR6

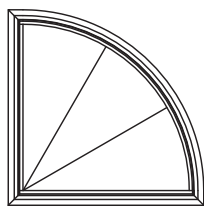


FR9

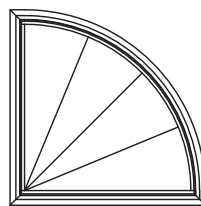
Quarter Round



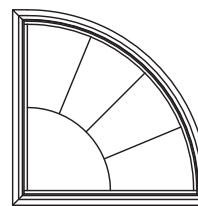
QR2



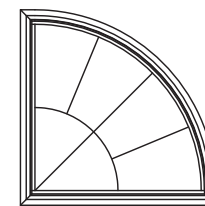
QR3



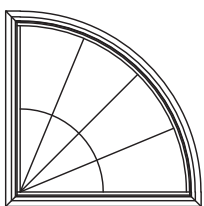
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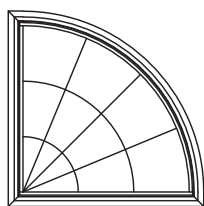
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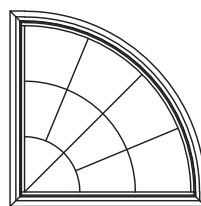
QR7



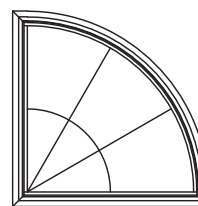
QR8



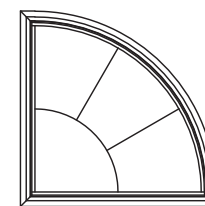
QR9



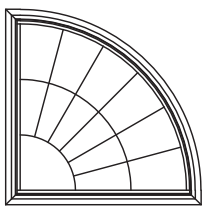
QR10



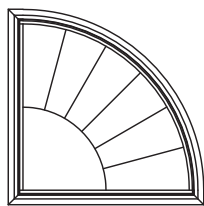
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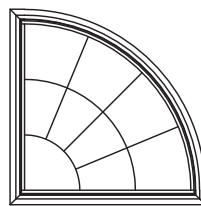
QR12



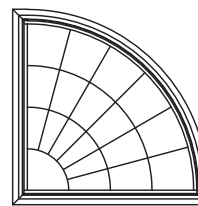
QR13



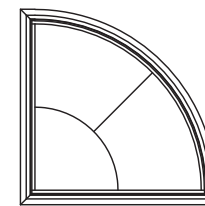
QR14



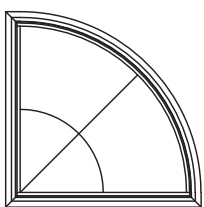
QR15



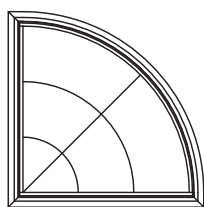
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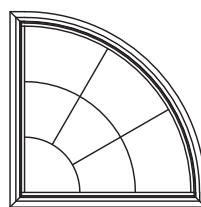
QR19



QR20



QR21

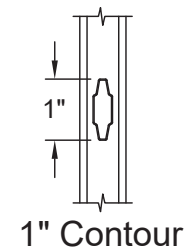
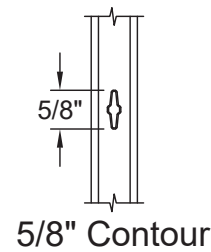
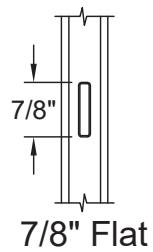
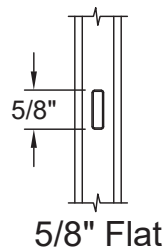


QR22

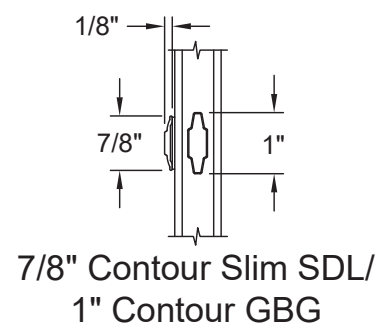
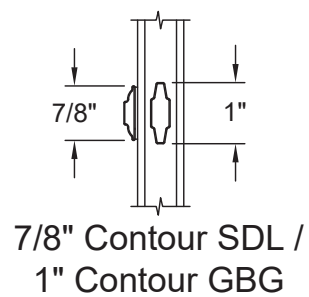
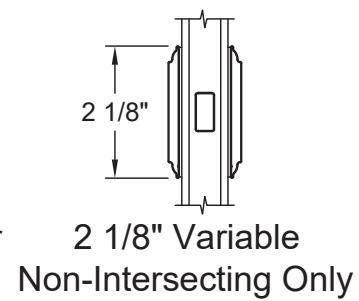
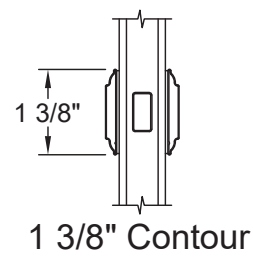
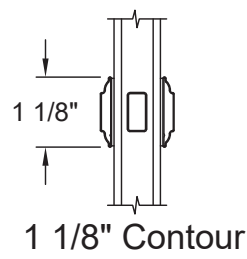
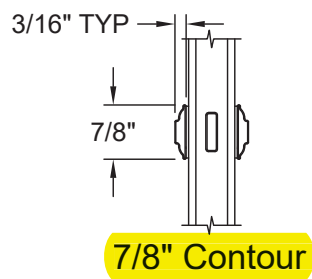
GRID OPTIONS

Exterior ← → Interior

GBG Options






























































SDL Options



Note: SDL tape thickness is .04"

RECTANGLE UNITS

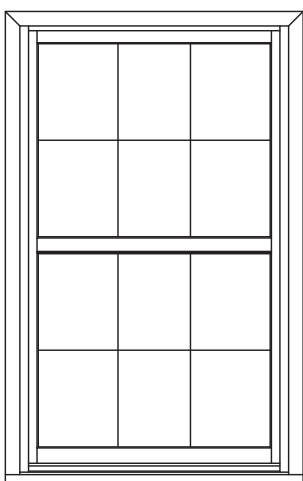
	12"	18"	20"	22"	24"	26"	28"	
	11 1/2"	17 1/2"	19 1/2"	21 1/2"	23 1/2"	25 1/2"	27 1/2"	Rough Opening
	7 7/8"	13 7/8"	15 7/8"	17 7/8"	19 7/8"	21 7/8"	23 7/8"	Frame Width
								Daylight Opening
12"	 PRVFWS1212	 PRVFWS1812	 PRVFWS2012	 PRVFWS2212	 PRVFWS2412	 PRVFWS2612	 PRVFWS2812	
18"	 PRVFWS1218	 PRVFWS1818	 PRVFWS2018	 PRVFWS2218	 PRVFWS2418	 PRVFWS2618	 PRVFWS2818	
22"		 PRVFWS1822	 PRVFWS2022	 PRVFWS2222	 PRVFWS2422	 PRVFWS2622	 PRVFWS2822	
24"	 PRVFWS1224	 PRVFWS1824	 PRVFWS2024	 PRVFWS2224	 PRVFWS2424	 PRVFWS2624	 PRVFWS2824	
26"		 PRVFWS1826	 PRVFWS2026	 PRVFWS2226	 PRVFWS2426	 PRVFWS2626	 PRVFWS2826	
30"	 PRVFWS1230	 PRVFWS1830	 PRVFWS2030	 PRVFWS2230	 PRVFWS2430	 PRVFWS2630	 PRVFWS2830	
32"		 PRVFWS1832	 PRVFWS2032	 PRVFWS2232	 PRVFWS2432	 PRVFWS2632	 PRVFWS2832	
34"		 PRVFWS1834	 PRVFWS2034	 PRVFWS2234	 PRVFWS2434	 PRVFWS2634	 PRVFWS2834	
36"	 PRVFWS1236	 PRVFWS1836	 PRVFWS2036	 PRVFWS2236	 PRVFWS2436	 PRVFWS2636	 PRVFWS2836	

Elevation Legend:
 ## = Performance Grade (PG) Rating With Standard Glazing & Operator Configuration - Stationary Units PG Rating May Vary
 S = Unit Only Available In a Stationary Configuration
 S* = Stationary Configuration Available

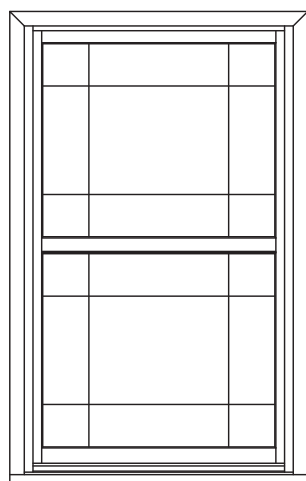
GRID PATTERNS

Siteline® Wood Double-Hung Windows are available with Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

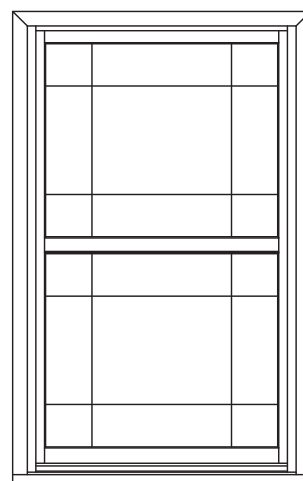
Special grid patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



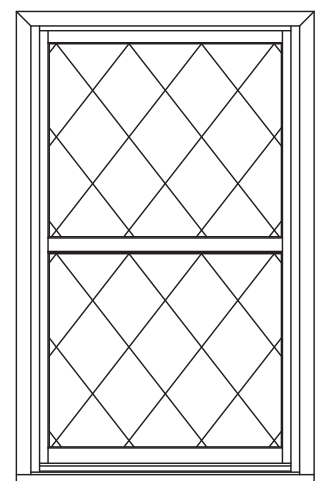
Colonial



Uneven



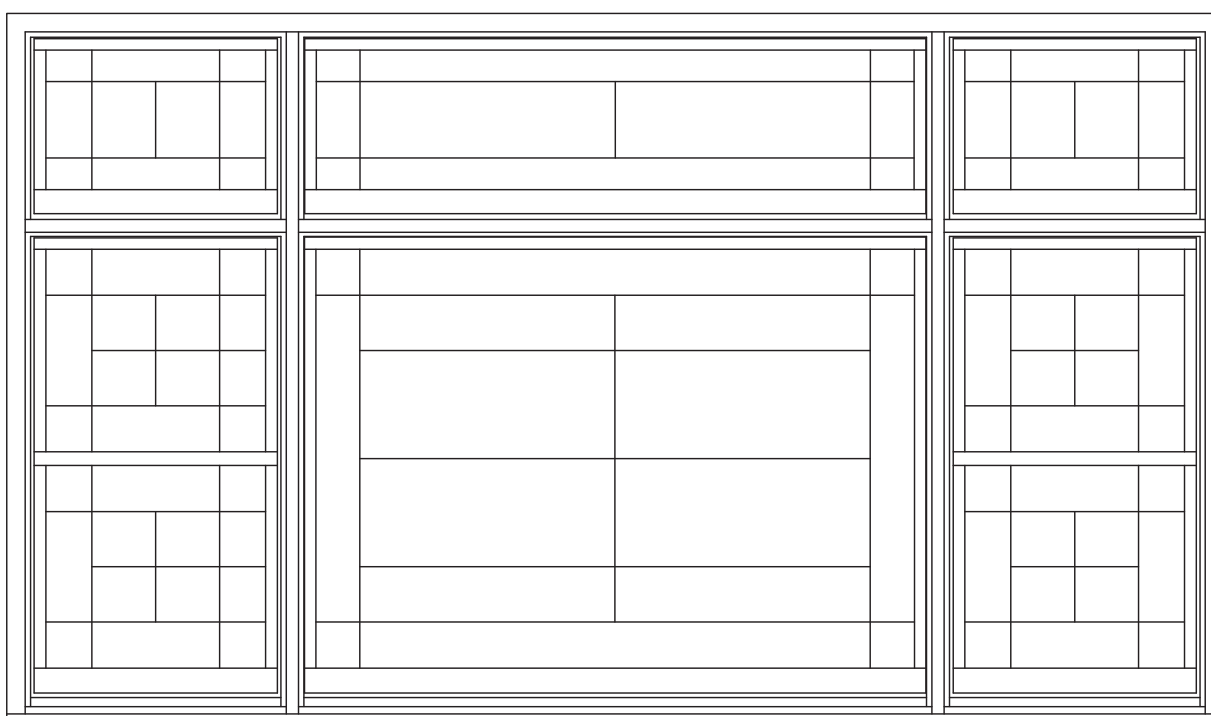
Prairie



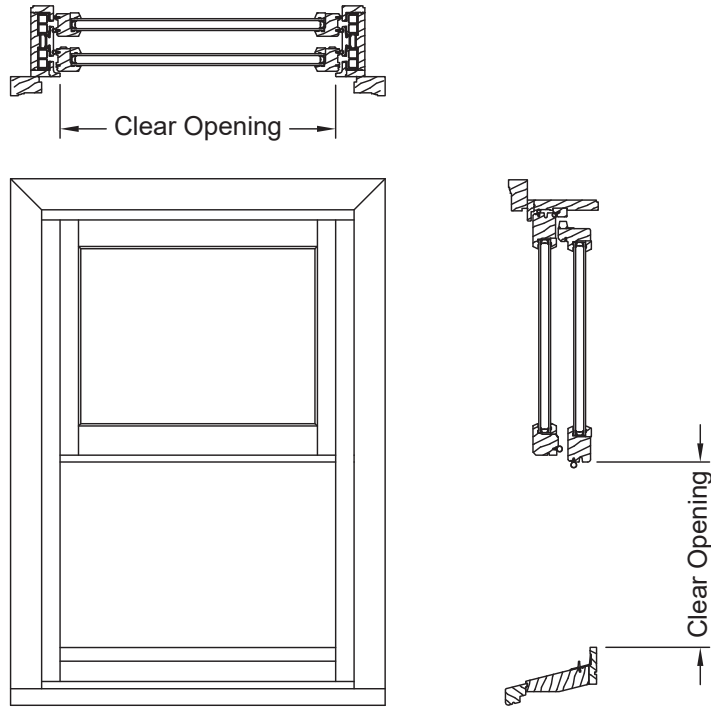
Diamond

Bar Alignment

Alignment of bars from product to product is often required. SDL, GBG, and wood grilles may be specified with bars aligned.



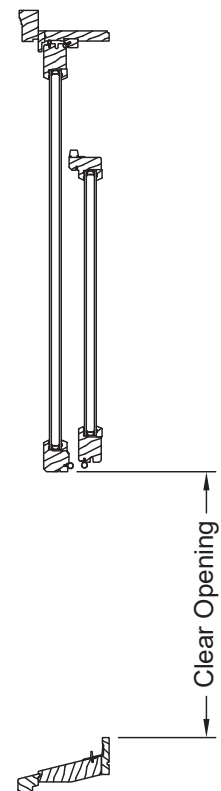
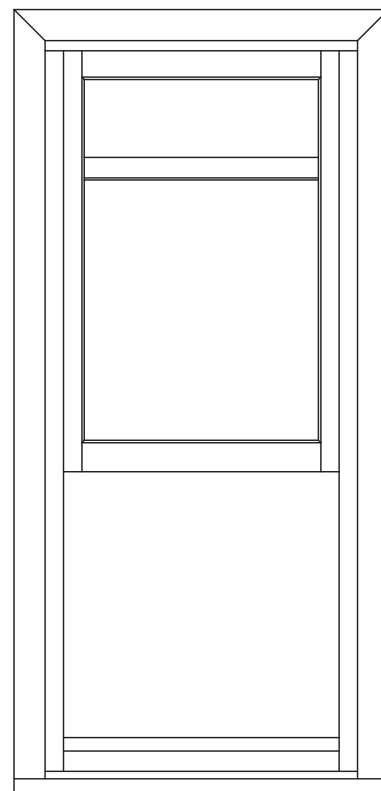
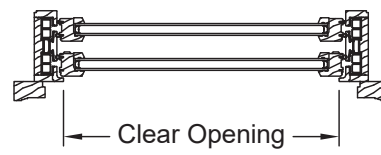
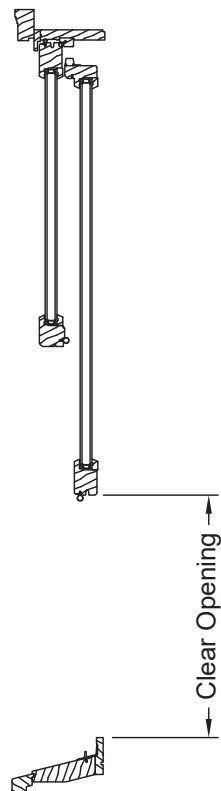
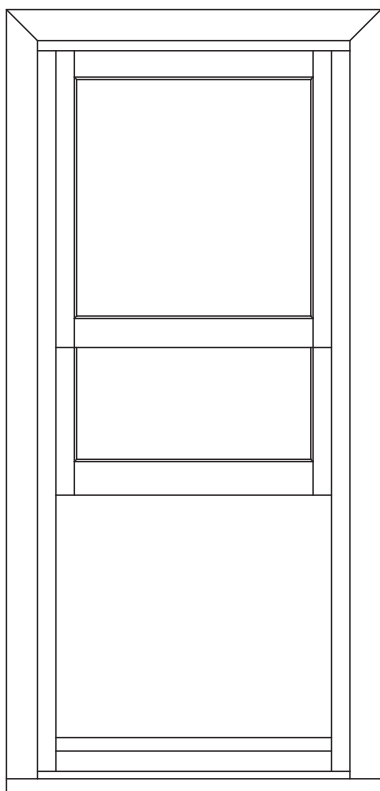
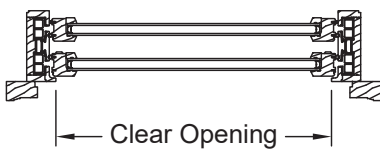
CLEAR OPENING LAYOUT



Double-Hung (Even Divide)

Width = Frame Width - 3 3/4"

Height = (Frame Height / 2) - 2 27/32"



Cottage Double-Hung

Width = Frame Width - 3 3/4"

Height = (Frame Height / 2) - 8 5/32"

Reverse Cottage Double-Hung

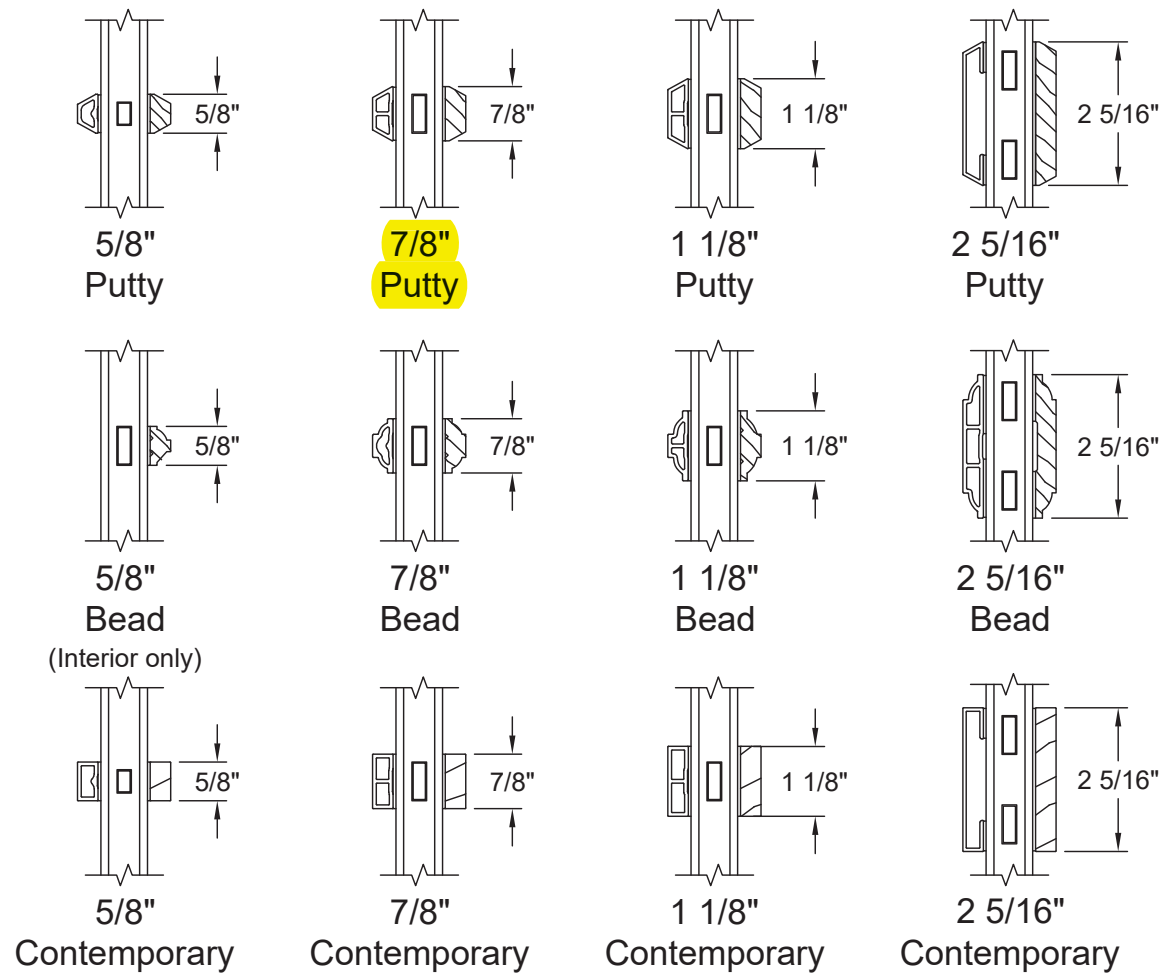
Width = Frame Width - 3 3/4"

Height = (Frame Height / 2) - 7 29/32"

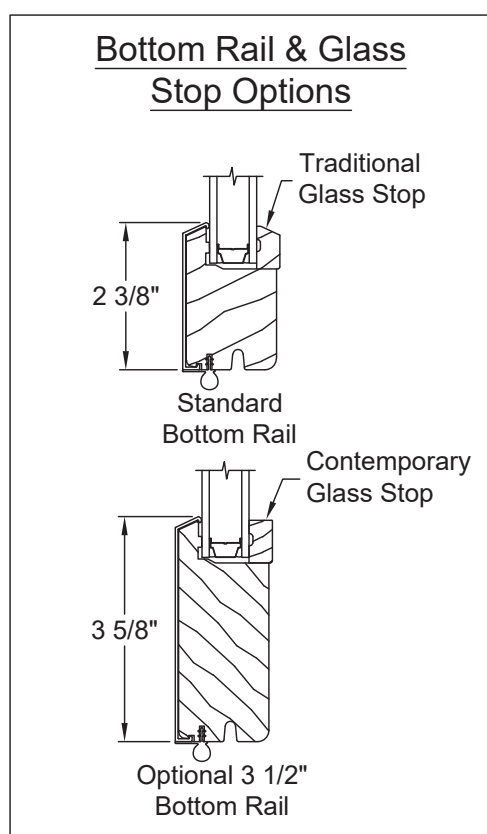
GRID, BOTTOM RAIL & GLASS STOP OPTIONS

Exterior ← → Interior

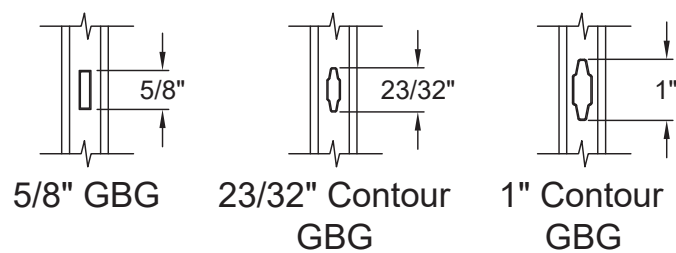
SDL Options



Various Combinations of the SDL Bars Shown are Available



GBG Options



STANDARD UNITS - RECTANGLE

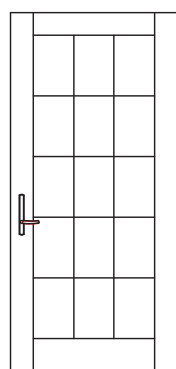
	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	15"	19"	23"	25"	27"	29"	31"	Daylight Opening
56 3/4"								
56"								
46 1/2"								
60 3/4"								
60"								
50 1/2"								
64 3/4"								
64"								
54 1/2"								
68 3/4"								
68"								
58 1/2"								

Elevation Legend:
 ## = Maximum Performance Grade (PG) Rating With Standard Glazing
 E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²
 E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

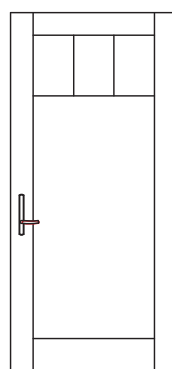
GRID PATTERNS

Siteline® Wood Inswing Patio Doors are available with Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

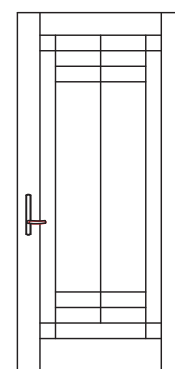
Special grid patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



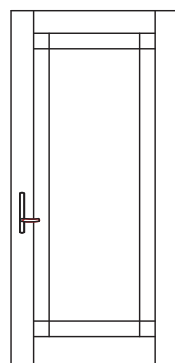
Colonial



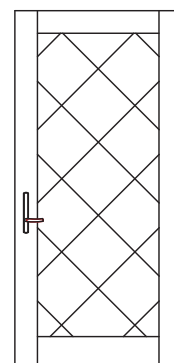
Colonial From
Top Down



Uneven



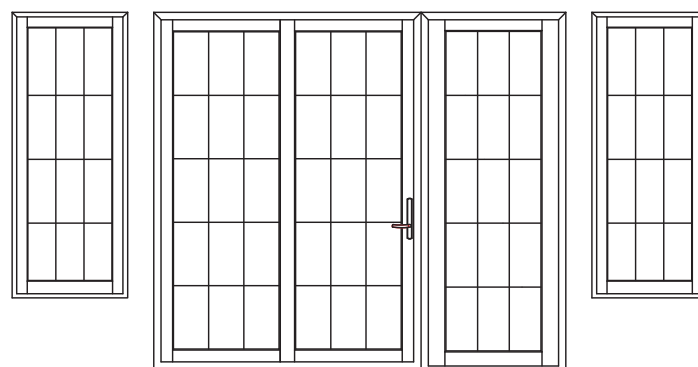
Prairie



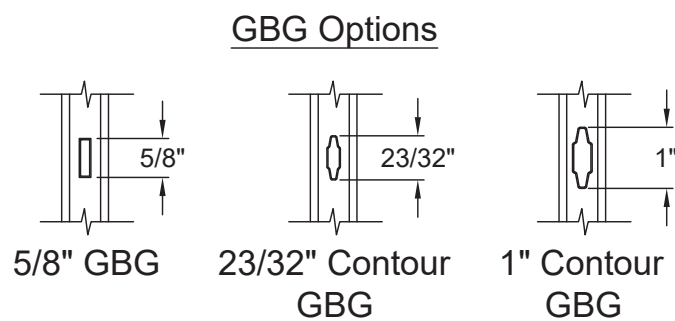
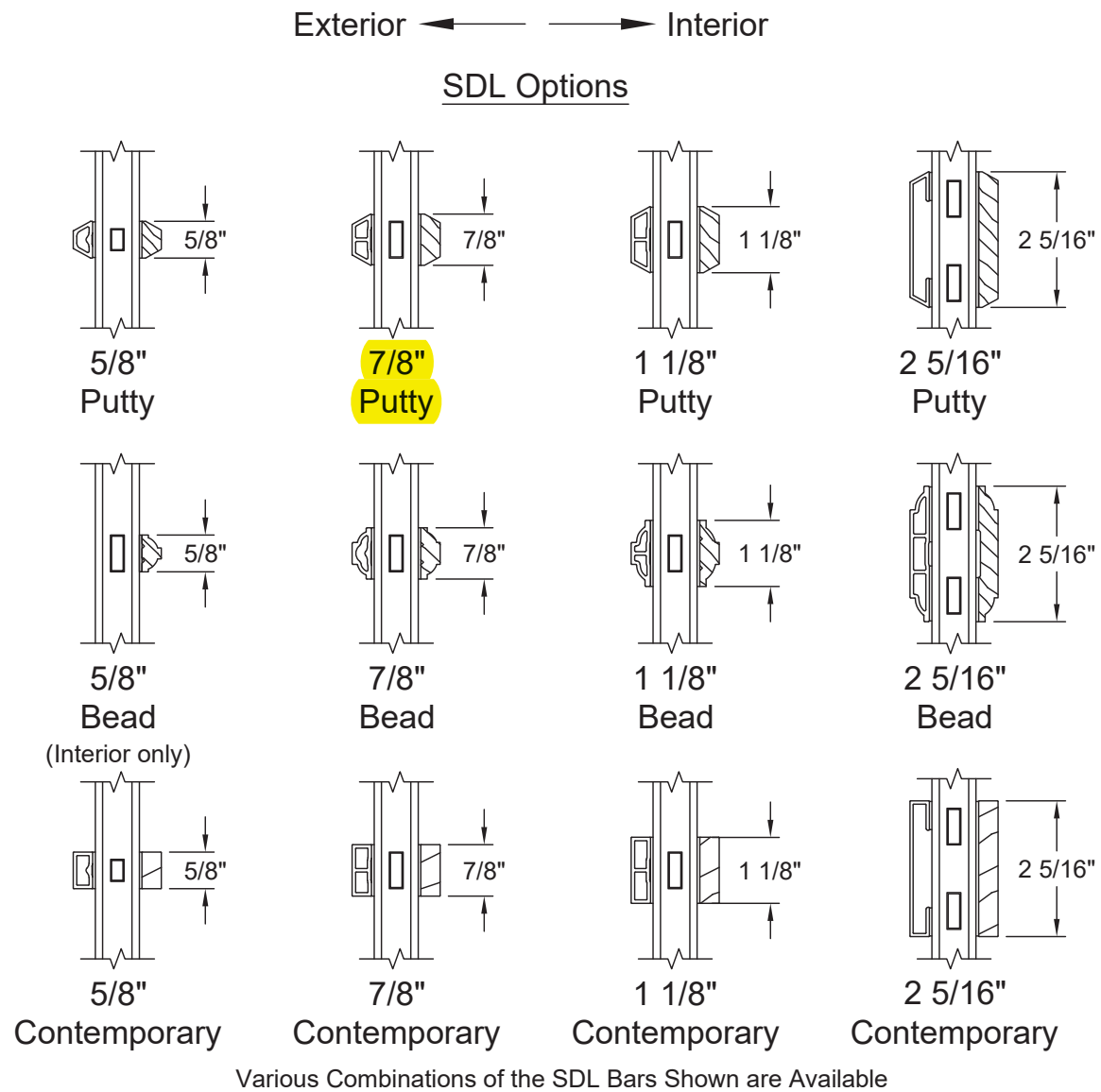
Diamond

Bar Alignment

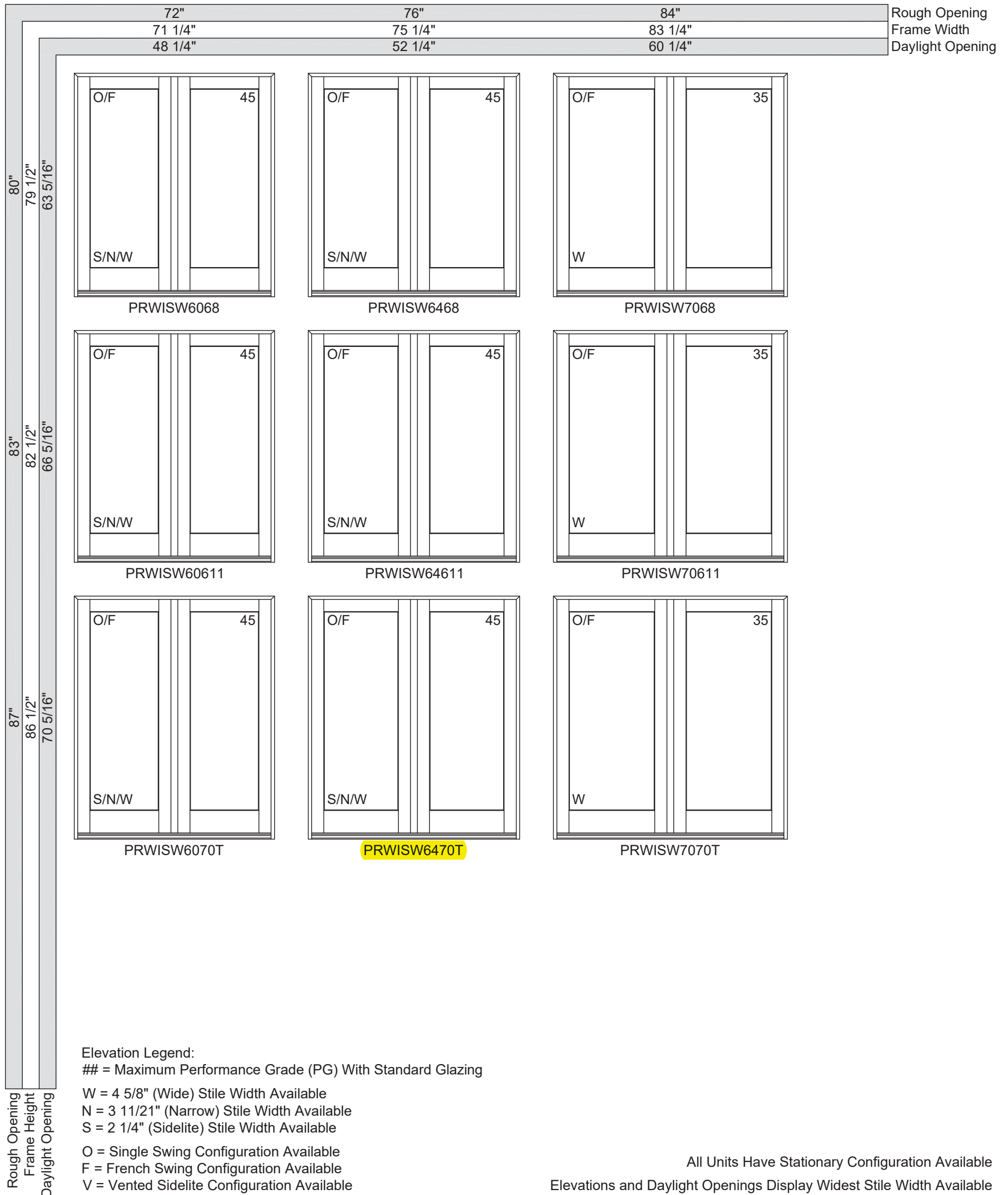
Alignment of bars from patio door to window is often required. SDL, GBG, and wood grilles may be specified with bars aligned.



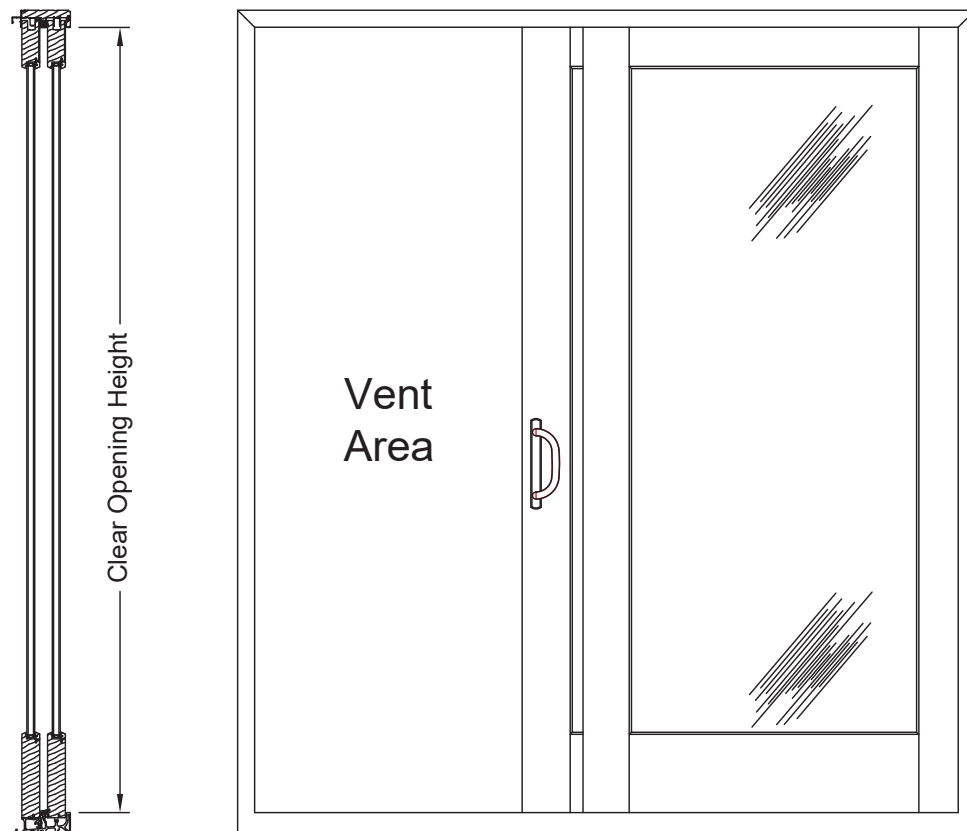
GRID OPTIONS



2 PANEL UNITS

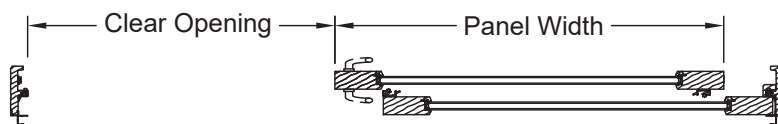


CLEAR OPENING LAYOUT



Panel Callout	Narrow Stile	Wide Stile
2-6	30 1/8"	30 13/16"
3-0	36 1/8"	36 13/16"
4-0	48 1/8"	48 13/16"

Vertical Clear Opening = Frame Height - 3 21/32"

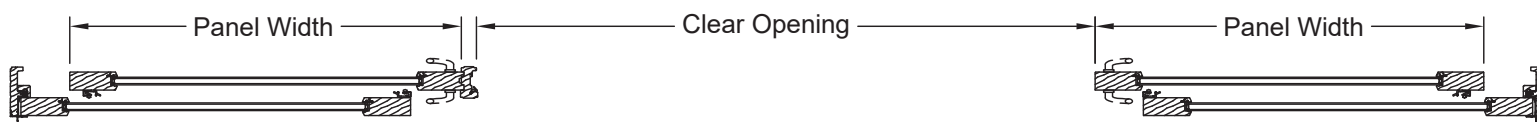


Horizontal 2-Panel Narrow Stile

With Bumper = (Frame Width/2) - 7 5/8"
Without Bumper = (Frame Width/2) - 6 3/8"

Horizontal 2-Panel Wide Stile

With Bumper = (Frame Width/2) - 8 5/16"
Without Bumper = (Frame Width/2) - 7 1/16"



Horizontal 4-Panel Wide Stile Both Panels Open

With Bumper = (Frame Width/2) - 15 1/8"
Without Bumper = (Frame Width/2) - 12 5/8"

Horizontal 4-Panel Narrow Stile Both Panels Open

With Bumper = (Frame Width/2) - 13 3/4"
Without Bumper = (Frame Width/2) - 11 1/4"

Horizontal 4-Panel Wide Stile Active Panel Open

With Bumper = (Frame Width/4) - 7 23/32"
Without Bumper = (Frame Width/4) - 6 15/32"

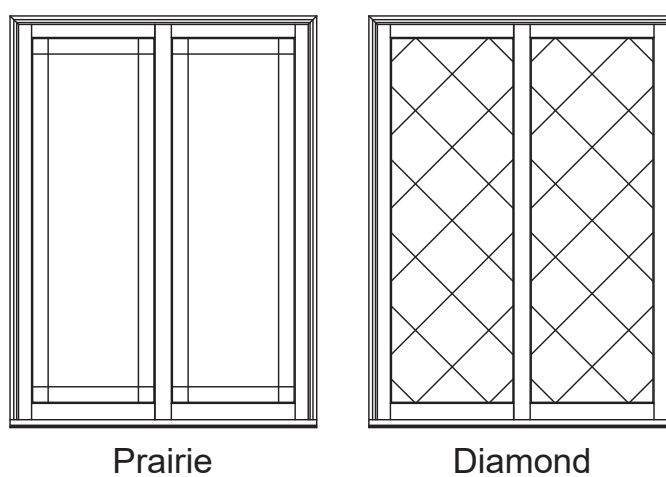
Horizontal 4-Panel Narrow Stile Active Panel Open

With Bumper = (Frame Width/4) - 7 1/32"
Without Bumper = (Frame Width/4) - 5 25/32"

GRID PATTERNS

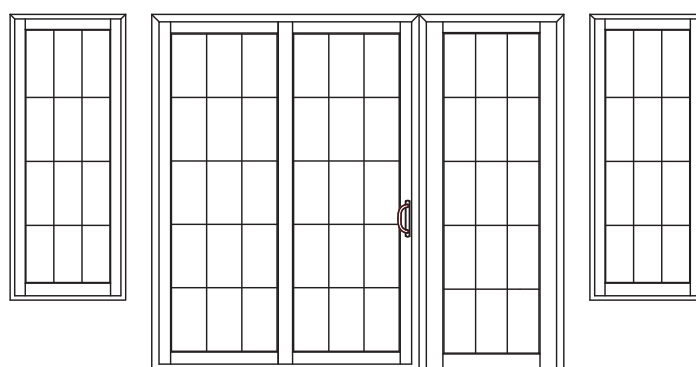
Siteline® Wood Sliding Patio Doors are available with Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

Special grid cut patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



Bar Alignment

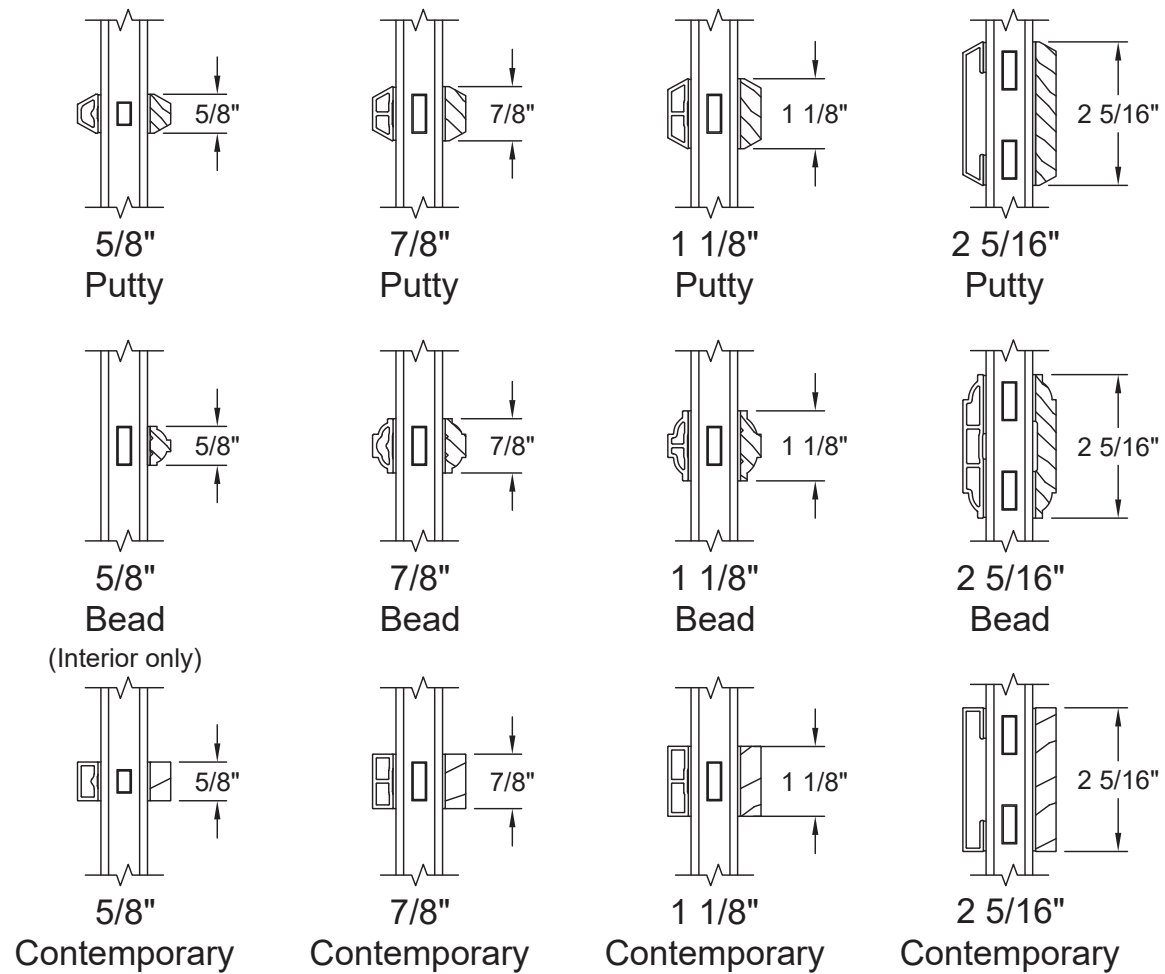
Alignment of bars from product to product is often required for fine architectural design. SDL, GBG, and wood grilles may be specified with bars aligned.



GRID OPTIONS

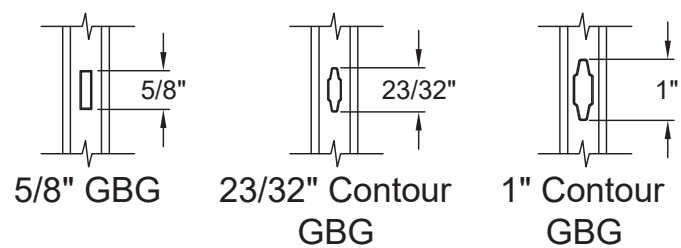
Exterior ← → Interior

SDL Options

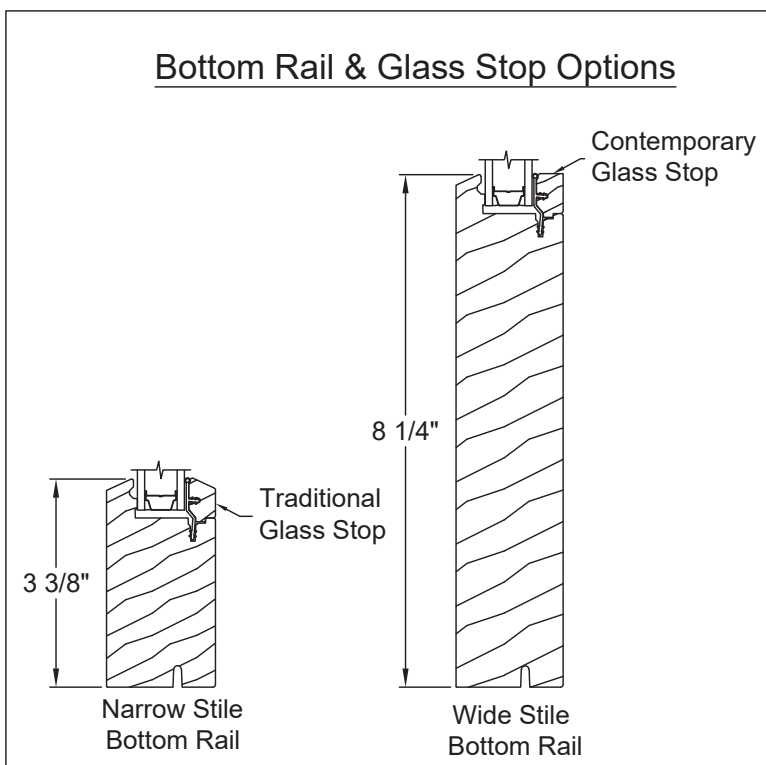


Various Combinations of the SDL Bars Shown are Available

GBG Options



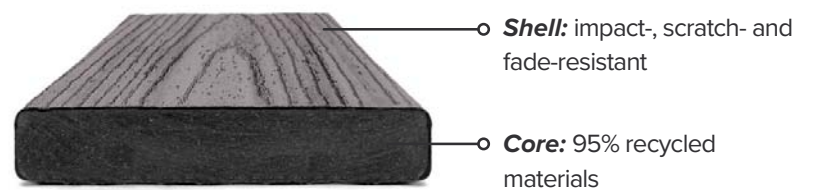
Bottom Rail & Glass Stop Options



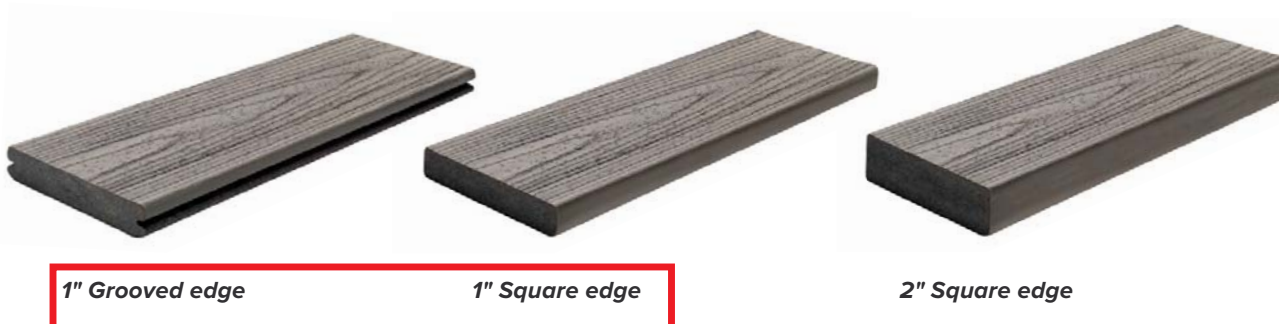


PREMIUM HIGH-PERFORMANCE DECKING & FASCIA

Trex Transcend® decking and Trex® Fascia are wood thermoplastic composite lumber (WTCL) boards with an integrated shell that covers the boards on the top surface and sides. The integrated shell consists of a proprietary surface formulation that produces a natural, wood-like grain pattern finish. An alternative to naturally durable hardwood lumber, Transcend Decking and Fascia are ICC-ES SAVE-certified to be a minimum of 95.4% recycled content of wood fiber and polyethylene by weight.



DECKING



FASCIA



FEATURES	DECKING BOARDS		FASCIA BOARDS	
	1" x 6"	2" x 6"	8"	12"
Actual Dimensions - Standard	.94" x 5.5"	1.3" x 5.5"	.56" x 7.25"	.56" x 11.375"
Actual Dimensions - Metric	24 mm x 140 mm	33 mm x 140 mm	14 mm x 184 mm	14 mm x 288 mm
Available Lengths - Standard	12', 16', 20'	12', 16', 20'	12'	12'
Available Lengths - Metric	365 cm, 487 cm, 609 cm	365 cm, 487 cm, 609 cm	365 cm	365 cm
Grooved Edge	X			
Square Edge	X	X	X	X
Transcend Tropicals	X	X	X	X
Transcend Earth Tones	X		X	X
Weight per Lineal Foot	2.4 lbs	3.6 lbs	2.0 lbs	3.3 lbs

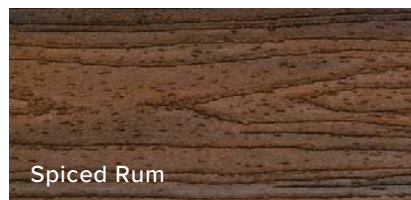
PHYSICAL & MECHANICAL PROPERTIES

TEST	TEST METHOD	VALUE
Flame Spread	ASTM E 84	70
Thermal Expansion	ASTM D 1037	1.9 × 10 ⁻⁵ in/in/°F
Moisture Absorption	ASTM D 1037	< 1%
Screw Head Pull-Through	ASTM D1761	161 lbf/screw*
Fungus Resistance	ASTM D1413	Rating – no decay
Termite Resistance	AWPAE1-72	Rating = 9.6

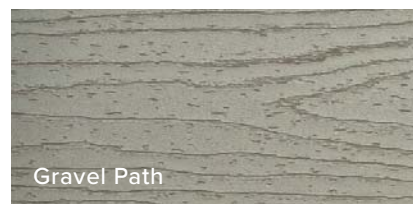
*Fastener used in testing: #8 x 2.5" HEADCOTE Stainless Steel Screw

COLORS

Tropicals (multi-tonal)



Earth Tones (monochromatic)



FASTENERS



**Trex Hideaway®
Hidden Fastening System**

Self-gapping, glass-filled nylon fastener with 304 grade stainless steel, sharp point screw for wood framing



Other Approved Fasteners

Color-matched composite deck screw or matching composite plug

Color-coordinated fascia screw

Uncoated stainless steel fascia screw

For a full list of approved fasteners, download our Installation Guide at trex.com/literature



COMPOSITE DECKING
TREX TRANSCEND® TROPICALS AND EARTH TONES,
TREX TRANSCEND® LINEAGE™

Part 1 General

1.1 Section Includes

- A. Composite Decking - Trex Transcend Tropicals and Earth Tones & Trex Transcend Lineage

1.2 Related Sections

- A. Section 06-1100 – Wood Framing

1.3 References

- A. ASTM D7032: Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails), ASTM International.
- B. ASTM D7031: Standard Guide for Evaluating Mechanical and Physical Properties of Wood-Plastic Composite Products, ASTM International
- C. ASTM E84: Test Method for Surface Burning Characteristics of Building Materials, ASTM International.
- D. ASTM D570: Water Absorption of Plastics
- E. ASTM D1761: Mechanical Fasteners in Wood
- F. ASTM D1413: Test method for Wood Preservatives by Laboratory Soil-block Cultures
- G. ASTM C177: Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus

1.4 Design/Performance Requirements

- A. Structural Performance:
 - a. Deck: Uniform Load – An allowable span of 16 in. on-center and 100 lbf/sq.ft.
 - b. Tread of Stairs: Concentrated Load: An allowable span of 12 in. on-center, and 750 lbf-, and 1/8" max. deflection, with a concentrated load of 300 lbf on area of 4 sq. in.
- B. Fire-Test Response Characteristics per ASTM E84.
 - a. Flame Spread Index– Class B.

1.5 Submittals

- A. Product Data Indicate sizes, profiles, surface style, and performance characteristics.
- B. Samples: For each product specified, one sample representing actual product color, size, and finish.

1.6 Delivery, Storage, and Handling

- A. Store Trex products on a flat and level surface. Support bundles on supplied dunnage.
- B. Keep material covered using the provided bundle cover until time of installation.
- C. See [www. Trex.com](http://www.Trex.com) for detailed storage recommendations:

[Care and Cleaning Guide for Trex Transcend, Select, and Enhance Decking](#)

1.7 Warranty

- A. Specific terms for warranties can be found at; www.Trex.com

Part 2 Products

2.1 Manufacturers

- A. Contract Documents are based on products supplied by; Trex Company, Inc., 160 Exeter Dr., Winchester, VA 22603.
- B. Substitutions: Not permitted under Division 01

2.2 Applications/Scope

- A. Wood-Plastic Composite Lumber;
 - a. Material Description: Composite Decking consisting of recycled Linear Low Density Polyethylene (LLDPE) and recycled wood. The product is extruded into shapes and sizes as follows:
 - i. Trex Transcend Decking Boards; 1 x 5.5”.
 - ii. Lengths – 12, 16, and 20 feet
 - iii. Color – To be specified by owner from Trex’ standard list of colors.

- b. Physical and Mechanical Properties as follows:

Test	Test Method	Value
Flame Spread Index	ASTM E84	Class B
Thermal Expansion	ASTM D1037	1.9 x 10 ⁻⁵ inch/inch/degreeF
Moisture Absorption	ASTM D1037	< 1%
Screw Head Pull-Through	ASTM D1761	161 lbf per screw**
Fungus Resistance	ASTM D1413	Rating - no decay
Termite Resistance	AWPA E1-72	Rating = 9.6

** Fastener used in testing: #8 x 2.5 in. approved Stainless Steel Screw

2.2 Accessories

- A. Fasteners:
 - a. Trex Universal Hideaway Hidden Fasteners
 - b. Other recommended fasteners: [Trex Recommended Fasteners](#).

Part 3 Execution

3.1 Installation

- A. Install according to Trex installation guidelines: [2023 Trex Decking Installation Guide](#).
- B. Cut, drill, and rout using carbide tipped blades.
- C. Do not use composite wood material for structural applications.

3.2 Cleaning

- A. Following cleaning recommendations as found in Trex installation guide at:
[Care and Cleaning Guide for Trex Transcend, Select, and Enhance Decking](#)



MIX-AND-MATCH RAILING COMPONENTS & KITS

Trex Transcend® railing is a wood thermoplastic composite railing lineal with an integrated shell (made from either acrylic or PVC) that covers all exposed surfaces. The thermoplastic core is different from that used in Trex® decking products, and has a unique set of properties designed to fit the guardrail application. The integrated shell utilizes PVC (for Classic White and Gravel Path colors) and acrylic (all other colors) to provide a long-lasting natural aesthetic. An alternative to both metal and wood guardrails, Trex composite railing products are a minimum of 40% recycled content of wood fiber and recycled polymeric content by weight.

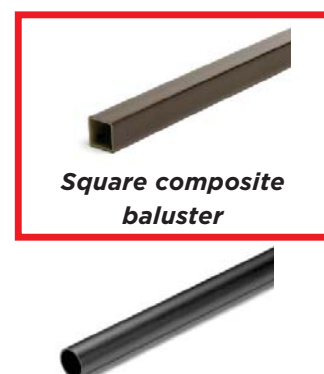
RAILING COMPONENTS



Post components:
post sleeve, cap, skirt



**Crown top rail and
Universal top/bottom rail**



**Square composite
baluster**



**Round aluminum
baluster**



**Infill kits: baluster spacers,
foot block, mounting hardware**

COMPONENT	HEIGHTS	LENGTHS	WIDTHS	COLORS
Post Sleeve	40" (101 cm) 108" (274 cm)	—	4.45" x 4.45" (113 mm x 113 mm)	WT, BK, GP, RS, TH, VL
	39" (990 mm) 108" (274 cm)	—	5.5" x 5.5" (139 mm x 139 mm)	WT
Post Cap & Skirt	—	—	4.55" x 4.55" (115 mm x 115 mm)	WT, BK, GP, RS, TH, VL
	—	—	5.55" x 5.55" (140 mm x 140 mm)	WT
Crown Top Rail & Universal Top/Bottom Rail	—	67.5" (171 cm) 91.5" (232 cm)	—	WT, BK, GP, RS, TH, VL
Square Composite Baluster	30.375" (771 mm) 36.375" (923 mm)	—	1.418" (36 mm)	WT, BK, GP, RS, TH, VL
Round Aluminum Baluster	30.25" (768 mm) 36.25" (920 mm)	—	.75" (19 mm)	WT, BZ, BK
Infill Kits*	—	67.5" (171 cm) 91.5" (232 cm)	—	WT, BK, GP, RS, TH, VL



*Glass panel infill kits available in 67.5" lengths in horizontal applications. Infill panel sold separately. To complete your rail section, visit glass.trex.com

RAIL KITS



COMPONENT	RAIL & SQUARE COMPOSITE BALUSTER KIT	RAIL & ROUND ALUMINUM BALUSTER KIT	COCKTAIL RAIL & ROUND ALUMINUM BALUSTER KIT*
Top Rail	Crown	Crown	Universal
Bottom Rail	Universal	Universal	Universal
Heights	36" (914 mm) 42" (106 cm)	36" (914 mm) 42" (106 cm)	36" (914 mm)
Lengths	67.5" (171 cm) 91.5" (232 cm)	67.5" (171 cm) 91.5" (232 cm)	67.5" (171 cm) 91.5" (232 cm)
Applications	Horizontal, Stair	Horizontal, Stair	Horizontal, Stair
Colors	WT, BK, VL	WT, BK, VL (round aluminum balusters come in BK)	WT (round aluminum balusters come in BK)

*A cocktail rail allows for a Trex Transcend® or Trex Select® deck board to be installed on top of a Universal top/bottom rail. All deck boards sold separately.

COLORS

<p>Composite</p> <div style="border: 2px solid red; padding: 5px; margin-bottom: 5px;"> <p>Classic White</p> </div> <div style="background-color: black; color: white; padding: 5px; margin-bottom: 5px;"> <p>Charcoal Black</p> </div> <div style="background-color: #cccccc; padding: 5px; margin-bottom: 5px;"> <p>Gravel Path</p> </div> <div style="background-color: #a08060; padding: 5px; margin-bottom: 5px;"> <p>Rope Swing</p> </div> <div style="background-color: #805030; padding: 5px; margin-bottom: 5px;"> <p>Tree House</p> </div> <div style="background-color: #402010; padding: 5px;"> <p>Vintage Lantern</p> </div>	<p>Aluminum</p> <div style="background-color: #cccccc; padding: 5px; margin-bottom: 5px;"> <p>Classic White</p> </div> <div style="background-color: black; color: white; padding: 5px; margin-bottom: 5px;"> <p>Bronze</p> </div> <div style="background-color: black; color: white; padding: 5px;"> <p>Charcoal Black</p> </div>
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CODE REQUIREMENTS

Trex Transcend Railing meets both IRC and IBC designated requirements in accordance with ICC-ES AC174 and ASTM D7032. Refer to Code Compliance Report CCRR-0132 for specific details.

HARDWARE

Mounting Hardware for Cut Rails

The perfect solution for any installation that requires making two railing sections from one kit.

Includes 2 Crown top rail gaskets, 4 Universal top/bottom rail gaskets, 4 RSB rail brackets, 8 rail-to-bracket fasteners and 8 rail-to-post fasteners.



QUESTIONS?

Connect with our pro services team at 1-800-BUY-TREX or customer@trex.com

VELUX®

FS

Fixed Deck-Mounted Skylight

Perfect for visually expanding areas in the home, VELUX Fixed Deck-Mounted Skylights are an energy-efficient option that make any dark room come to life with daylight and sky views. As a fixed option, this skylight is an economical choice for enhancing the brightness and beauty of your home.

Ideal Applications:
Out of reach [entry ways](#), [living rooms](#) and [bedrooms](#) that can benefit from daylight.

FEATURES & BENEFITS

- Clean exterior profile provides natural light without obstructing roofline
- Versatile sizing allows for greater flexibility in positioning options
- Seamlessly pairs with any VELUX shades for optimal light control — select shades can be pre-installed for free
- Flashing kit required for [No Leak Warranty](#)
- Eligible for Federal Solar Tax Credit* with the addition of Solar Shades

PRODUCT DETAILS

- **Laminated LoE3 Glass:** double-paned argon-gas-filled LoE3 glass that provides excellent energy performance for year round comfort. Plus, it includes the added safety of laminated glass, which building codes require for out-of-reach applications.
- [No Leak Warranty](#) - 10-year installation warranty, plus 20 years on glass, 10 years on product, and 5 years on shades and controls.
- Pre-finished white painted frames
- 10 year hail with Clean, Quiet & Safe glass

OPTIONAL SKYLIGHT UPGRADES

- Impact Glass
- Snowload Glass
- Copper Cladding
- Stain Grade Wood Interior

veluxusa.com*For more information visit veluxusa.com/taxcredit.

Eligible for a
**Federal Solar
Tax Credit**
off product and
installation



ACCESSORIES

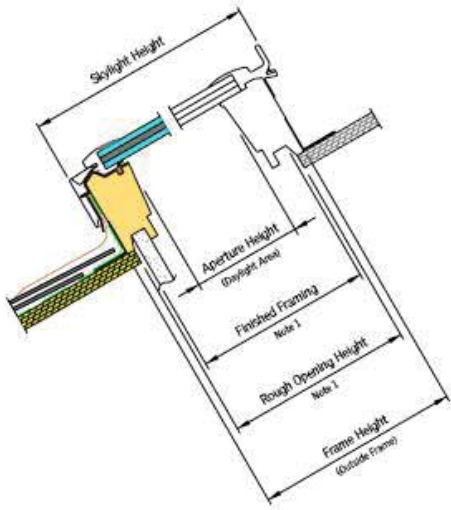
- Factory pre-installed Room-Darkening or Light Filtering shades



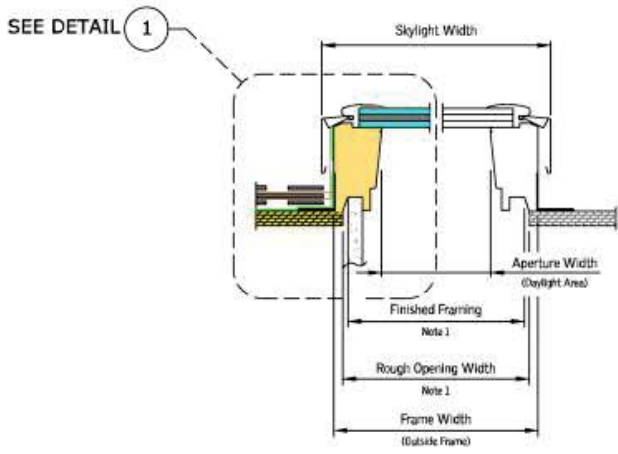
V5063-0921

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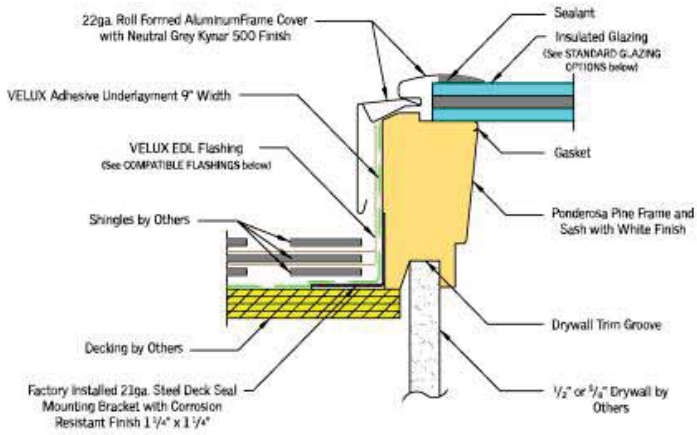
Fixed Deck-Mounted Skylight



VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION



COMPLIANCE AND CERTIFICATIONS

- DBPR Florida
- NFRC, National Fenestration Rating Council
- WDMA, Window & Door Manufacturing Association

		A06	C01	C04	C06	C08	C12	D26	D06	M02	M04	M06	M08	S01	S06
Rough Opening Width	(W-in.)	14 1/2	21	21	21	21	21	22 1/2	22 1/2	30 1/16	30 1/16	30 1/16	30 1/16	44 1/4	44 1/4
Rough Opening Height	(H-in.)	45 3/4	26 7/8	37 7/8	45 3/4	54 7/16	70 1/4	22 15/16	45 3/4	30	37 7/8	45 3/4	54 7/16	26 7/8	45 3/4
Daylight Area	(Sq. Feet)	3.56	3.04	4.43	5.43	6.52	8.52	2.78	5.94	5.15	6.64	8.13	9.77	6.92	12.36

Model FS sizes D26 and D06 fit perfectly between roof trusses.

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VERSATEX®

T R I M B O A R D

TRIM SMARTER.

SECTION 06 65 00 - Plastic Simulated Wood Trim
SIMULATED WOOD TRIM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Free-Foam Cellular PVC Trim Boards for:
 - 1. Corner boards.
 - 2. Soffits.
 - 3. Fascia.
 - 4. Battens.
 - 5. Door pilasters.
 - 6. Frieze boards.
 - 7. Rake boards.
 - 8. Pilasters.
 - 9. Water tables.
 - 10. Architectural millwork.
 - 11. Door trim.
 - 12. Window trim.
 - 13. Wainscoting.
 - 14. Pergolas.
 - 15. Cupolas.
 - 16. Porch Ceilings.
 - 17. Hot tub surrounds.
 - 18. Arbors.
 - 19. Fencing.
 - 20. Column wraps.
 - 21. Skirtboards.

1.2 RELATED SECTIONS

- A. Section 06 11 16 - Mechanically Graded Lumber.
- B. Section 06 20 00 - Finish Carpentry.
- C. Section 06 30 00 - Exterior Carpentry*.
- D. Section 06 40 00 - Architectural Woodwork.
- E. Section 06 43 16 - Wood Railings.
- F. Section 07 91 16 - Joint Gaskets.
- G. Section 09 29 00 - Gypsum Board.
- H. Section 09 90 00 - Painting and Coating.

- A. PVC Trimboard: Versatex Trimboard with Sealed Edge, designed with a natural appearance to compliment fiber cement and natural cedar.
1. Size:
 - a. Nominal Width:
 - 1) 3 inches
 - 2) 4 inches
 - 3) 5 inches
 - 4) 6 inches
 - 5) 8 inches
 - 6) 10 inches
 - 7) 12 inches
 - 8) 16 inches
 - b. Nominal Thickness:
 - 1) 5/8 inch (5/8 inch actual size)
 - 2) 1 inch (3/4 inch actual size)
 - 3) 5/4 inch (1 inch actual size)
 - 4) 6/4 inch (1-1/4 inch actual size)
 - 5) 8/4 inch (1-1/2 inch actual size)
 - c. Length:
 - 1) 12 feet
 - 2) 18 feet
 - 3) Custom lengths
 2. Finish:
 - a. Smooth/Smooth finish
 - b. Reversible with Smooth/Timber Ridge finish
- B. Sheet Board: Versatex S4S (Smooth) Sheet. For use as sheet materials or to create columns and gingerbread millwork.
1. Size:
 - a. Width/Length:
 - 1) 4 foot by 8 foot
 - 2) 4 foot by 10 foot
 - 3) 4 foot by 12 foot
 - 4) 4 foot by 18 foot
 - 5) 4 foot by 20 foot
 - b. Thickness:
 - 1) 1/4 inch
 - 2) 3/8 inch
 - 3) 1/2 inch
 - 4) 5/8 inch
 - 5) 3/4 inch
 - 6) 1 inch
 - 7) 1-1/4 inch
 - 8) 1-1/2 inch
 2. Finish:
 - a. Smooth/Smooth finish
- C. PVC Cornerboard: Versatex Corners: Folded, 90 degree, one-piece assembly produced with a smooth or timber ridge appearance to compliment fiber cement and natural cedar.
1. Size:
 - a. Nominal Corner Size:
 - 1) 4 Inches
 - 2) 6 inches
 - 3) 8 inches
 - 4) 10 inches (Smooth only)
 - b. Nominal Thickness:

- 1) 5/4 inch (1 inch actual size)
 - 2) 3/4 inch
 - c. Length:
 - 1) 10 feet
 - 2) 12 feet
 - 3) 20 feet
 - 4) 22 feet
 - 2. Finish:
 - a. Smooth
 - b. Timber Ridge
- D. PVC Bead Board: Versatex Beadboard: Tongue-and-Groove Beaded Sheets.
- 1. Size:
 - a. Thickness/Width/Length:
 - 1) Regular 1/2 inch by 4 Inches (Actual size 1/2 inch by 3-1/2 inches). Length 18 feet.
 - 2) Regular 1/2 inch by 6 inches (Actual size 1/2 inch by 5-1/2 inches). Length 18 feet.
 - 3) Regular 1 inch by 6 inch (Actual 3/4 inch by 5 1/2 inch). Length 18 feet.
 - 4) T-Mould 5/8 inch by 3 inch (Actual size 5/8 inch by 2-1/2 inch). Length 12 feet.
 - 5) Sheet 1/2 inch by 4 foot (Actual size 1/2 inch by 48-1/8 inches) Length 8 and 10 foot.
 - 6) Stealth 1/2 inch by 4 Inches (Actual size 1/2 inch by 3-1/2 inches). Length 18 feet.
 - 7) Stealth 1/2 inch by 6 inches (Actual size 1/2 inch by 5-1/2 inches). Length 18 feet.
 - 8) Stealth 1 inch by 6 inch (Actual size 3/4 inch by 5 1/2 inches). Length 18 feet.
 - 9) WP4 T & G board 3/4 inch by 5-7/16 inch. Length 18 feet.
 - 2. Finish:
 - a. Smooth/Smooth finish.
- E. Mouldings: Versatex Mouldings designed to compliment exterior trim.
- 1. Crowns:
 - a. 3 inches.
 - b. 4 Inches.
 - c. 5 inches.
 - d. 6 inches.
 - e. 8 inches.
 - f. Bed Mould.
 - g. Rams Crown.
 - h. Solid Crown.
 - 2. Casings:
 - a. Base Cap.
 - b. Brick Mould.
 - c. J-Brick.
 - d. Back Band.
 - e. Rake Moulding.
 - f. Adams Casing.
 - g. Crosshead Pediment.
 - h. Stealth Hidden Fastener Surround.
 - 3. Cove:
 - a. Quarter Round.
 - b. Bed Moulding.
 - c. Baluster Moulding.

- d. Scotia Cove.
- 4. Sill:
 - a. Sill.
 - b. Sill Nose.
 - c. Heavy Sill.
 - d. Sub Sill Nose.
 - e. Historic Sill.
 - f. Double Hung Sill.
- 5. Specialty:
 - a. Drip Cap.
 - b. Shingle Mould.
 - c. Garage Door Surround.
 - d. Water Table.
 - e. Beaded Cap.
 - f. Panel Mould.
- 6. Length:
 - a. 16 feet.
 - b. Custom lengths.
- 7. Finish:
 - a. Smooth finish.

2.4 SIMULATED WOOD TRIM

- A. PVC Cornerboard: Versatex Stealth Advantage Stealth Corners. Folded 90 degree one piece corner assembly designed with 3/4 inch or 1 inch pocket to accommodate any siding product including fiber cement, cedar, and vinyl.
 - 1. Size:
 - a. Nominal Corner Width:
 - 1) 4 Inches
 - 2) 6 inches
 - 3) 8 inches
 - 4) 10 inches (Smooth Only)
 - b. Nominal Thickness:
 - 1) 5/4 inch (1 inch actual size).
 - c. Length:
 - 1) 10 feet.
 - 2) 12 feet.
 - 3) 20 feet.
 - 4) 22 feet.
- B. PVC Window and Door Surround: Versatex Stealth Advantage Stealth Window and Door Surround, pre cut window trims designed with 3/4 inch or 1 inch pocket to accommodate any siding product.
 - 1. Size:
 - a. Nominal Width:
 - 1) 4 Inches
 - 2) 6 inches
 - 3) 8 inches
 - b. Nominal Thickness:
 - 1) 5/4 inch (1 inch actual size).
 - c. Length:
 - 1) 18 feet.
 - 2) Custom lengths.
 - 2. Finish:
 - a. Smooth finish.
 - b. Timber Ridge finish.

- C. PVC Skirtboard: Versatex Stealth Advantage Stealth Skirtboard. Precut trim providing 6 inch grade clearance for fiber cement sidings as well as composite sidings.
1. Size:
 - a. Nominal Width:
 - 1) 5/4 inch x 4 inches
 - 2) 5/4 inch by 6 inches
 - 3) 5/4 inch by 8 inches
 - 4) 1 inch by 4 inches
 - 5) 1 inch by 6 inches
 - 6) 1 inch by 8 inches
 - 7) 1 inch by 10 inches
 - b. Length:
 - 1) 18 feet.
 - 2) Custom lengths.
 2. Finish:
 - a. Smooth finish.
 - b. Timber Ridge finish.
- D. PVC Frieze and Fascia: Versatex Soffit Advantage Frieze and Notched Fascia. Trims designed with 3/4 inch pocket to accommodate Vented or Solid Soffit product.
1. Fascia Size:
 - a. Nominal Width:
 - 1) 1 inch by 8 inches
 - 2) 1 inch by 10 inches
 - b. Length:
 - 1) 18 feet.
 - 2) Custom lengths.
 2. Frieze Size:
 - a. Nominal Width:
 - 1) 5/4 inch by 6 inches
 - 2) 5/4 inch by 8 inches
 - b. Length:
 - 1) 18 feet.
 - 2) Custom lengths.
 3. Finish:
 - a. Smooth finish.
 - b. Timber Ridge finish.
- E. PVC Soffit: Versatex Soffit Advantage.
1. Type:
 - a. Vented
 - b. Solid.
 2. Size:
 - a. Actual Width:
 - 1) 1/2 inch 12 inches
 - 2) 1/2 inch by 16 inches
 - b. Length: 18 feet.
 3. Finish:
 - a. Smooth finish.
- F. PVC Columnwrap: Versawrap one-piece column wraps.
1. Size:
 - a. Nominal Width:
 - 1) 4 inches by 4 inches (inside dimensions 3-3/4 inches)
 - 2) 6 inches by 6 inches (inside dimensions 5-3/4 inches)
 - 3) 8 inches by 8 inches (inside dimensions 7-1/2 inches)

- b. Length:
 - 1) 8 feet 6 inches
 - 2) 10 feet
- c. Thickness:
 - 1) 1/2 inch
 - 2) 3/4 inch
- 2. Finish:
 - a. Smooth finish.

G. PVC Columnwrap: Versawrap Accessories.

- 1. Accent Wrap Size:
 - a. Nominal Width:
 - 1) 4 inches by 4 inches (inside dimensions 4-3/4 inches)
 - 2) 6 inches by 6 inches (inside dimensions 6-3/4 inches)
 - 3) 8 inches by 8 inches (inside dimensions 8-1/2 inches)
 - b. Length:
 - 1) 10 inches.
 - c. Thickness:
 - 1) 1/2 inch
 - 2) 3/4 inch
- 2. Post Caps Nominal Sizes:
 - a. 4-3/4 inches by 4-3/4 inches
 - b. 6-3/4 inches by 6 inches-3/4
- 3. Trim Kits
 - a. Base Cap
 - b. Bed Mould
 - c. Bed Mould XL
 - d. 4 inch Crown Moulding
 - e. 4 inch Crown Moulding XL
- 4. Finish:
 - a. Smooth finish.

2.5 ACCESSORIES

A. Fasteners:

- 1. Use 12 gauge stainless steel fasteners designed for wood trim and siding. Fastener should have sufficient flexural and tensile strength to resist bending.
- 2. Use fasteners with thin shanks, blunt points, and full round heads that are long enough to penetrate the substrate a minimum of 1-1/4 inches.
- 3. Do not use staples, small brads and wire nails. Avoid using fine threaded wood screws and ring-shank fasteners.
- 4. Use standard nail guns with a pressure setting between 70 psi and 100 psi. The recommended pressure depends on the type of gun, type of nail, ambient temperature, and the substrate. Care should be taken not to overdrive the nail into the material.
- 5. Pre-drilling is not typically required unless large fasteners are used or the product is installed during temperatures below 40 degrees F.
- 6. Use two fasteners for every framing member for trimboard applications. Sheet and trimboards 8 inches and wider require additional fasteners.
- 7. Install fasteners no more than 2 inches from the end of each board.
- 8. Avoid fastening simulated wood trim over hollow or uneven areas. Fasten onto flat, solid substrates.
- 9. 3/8 inch and 1/2 inch thick Sheet and Beadboard is not designed to be ripped and used for trim applications. These products must be glued and mechanically fastened to the substrate.