


KEY	PRODUCT	DESCRIPTION	SUBSTITUTIONS
SD-01	SIDING	1X4 T&G IPE, CLEAR GRADE. FINISH TO BE PENOFIN MARINE OIL, SHOP APPLIED PER MFG'S SPECIFICATIONS. TOENAIL THROUGH TONGUE W/ S.S. NAILS.	ALL PROPOSED SUBSTITUTIONS FOR THE SPECIFIED ITEMS WILL BE REVIEWED BY THE ARCHITECT. A SUBSTITUTION REQUEST CONSTITUTES A REPRESENTATION THAT THE CONTRACTOR: <ol style="list-style-type: none"> HAS INVESTIGATED THE PROPOSED PRODUCT AND DETERMINED THAT IT MEETS OR EXCEEDS QUALITY LEVEL OF SPECIFIED PRODUCT. WILL PROVIDE SAME WARRANTY FOR SUBSTITUTION AS FOR SPECIFIED PRODUCT. WILL COORDINATE INSTALLATION AND MAKE CHANGES TO OTHER WORK WHICH MAY BE REQUIRED FOR THE WORK TO BE COMPLETE WITH NO ADDITIONAL COST TO THE OWNER. WAIVES CLAIMS FOR ADDITIONAL COSTS OR TIME EXTENSION WHICH MAY SUBSEQUENTLY BECOME APPARENT. WILL REIMBURSE OWNER FOR REVIEW OR REDESIGN SERVICES ASSOCIATED WITH RE-APPROVAL BY AUTHORITIES HAVING JURISDICTION. THE ARCHITECT WILL NOTIFY THE CONTRACTOR IN WRITING OF DECISION TO ACCEPT OR REJECT REQUEST.
SD-02	SIDING	KYNAR FINISH 24 GA FLAT LOCK METAL WALL PANELS BY ENGLERT. 8" COVERAGE TYPICAL. PROVIDE SHOP DRAWINGS FOR OWNER/ARCHITECT APPROVAL. FINISH TO BE KYNAR 500, COLOR TO BE SELECTED BY OWNER/ARCHITECT. INSTALL PER MFG SPECIFICATIONS.	

RENOVATIONS TO THE ELY BUILDING

406 W CHURCH AVENUE
KNOXVILLE, TENNESSEE 37902

SPA PROJECT #: 1339



K1	NOT USED
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K11	MATERIAL SCHEDULE
1339_XSCMAT	N.T.S.

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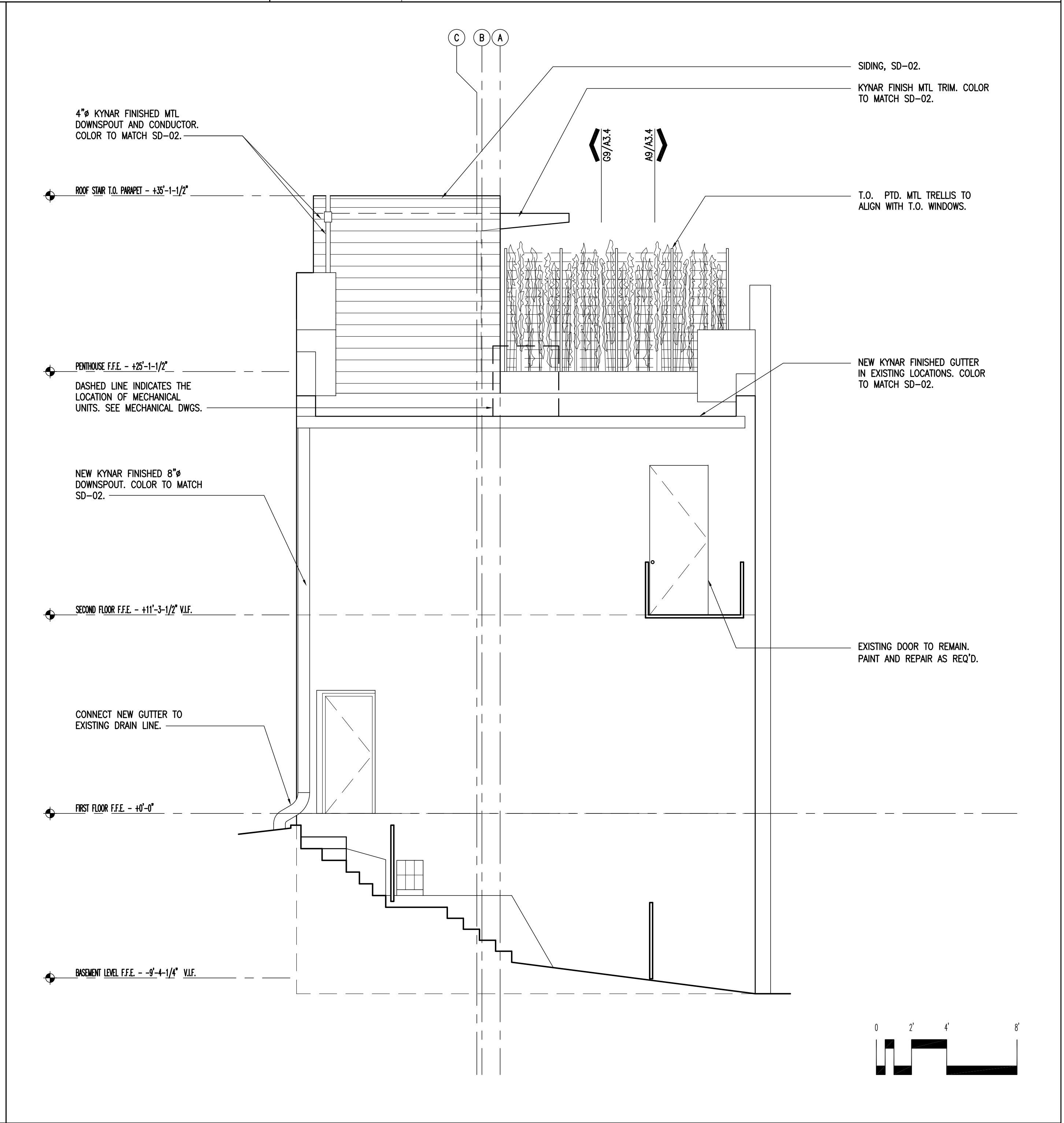
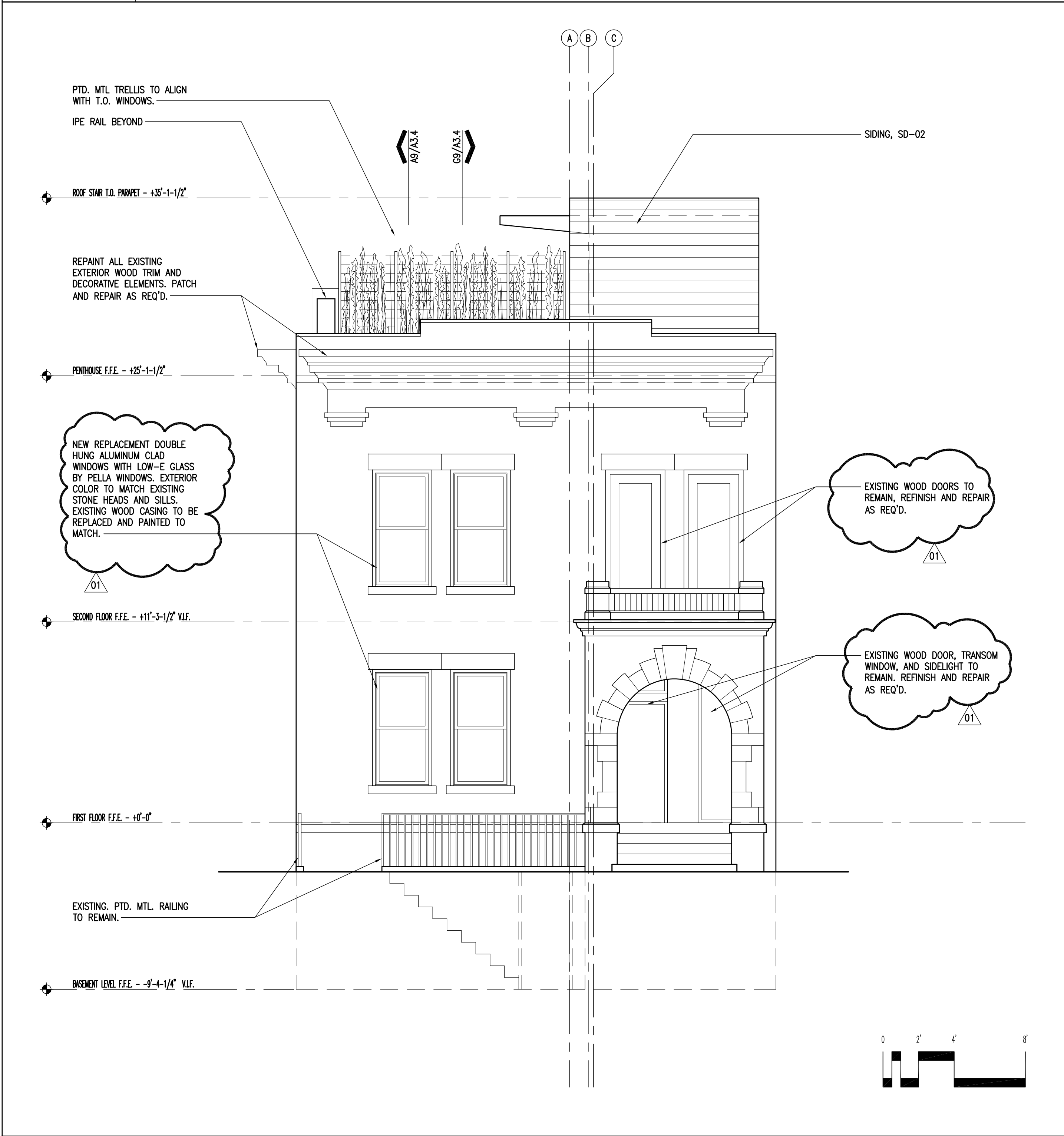
OWNER:
EDDIE AND KELLEY REYMOND
8417 CORTELAND DRIVE
KNOXVILLE, TENNESSEE 37909
T 865.387.2995

ARCHITECT:
SANDERS PACE ARCHITECTURE
514 W. JACKSON AVE SUITE 102
KNOXVILLE, TENNESSEE 37902
T 865.329.0316
F 865.546.2348
CONTACT: BRANDON PACE, AIA

STRUCTURAL ENGINEER:
MALLIA ENGINEERING CO.
1827 WHITE AVENUE
KNOXVILLE, TENNESSEE 37916
T 865.637.3224
F 865.521.9165
CONTACT: MAURICE MALLIA, P.E.

MECHANICAL ENGINEER:
FACILITY SYSTEMS CONSULTANTS, LLC
713 SOUTH CENTRAL STREET
KNOXVILLE, TENNESSEE 37902
T 865.246.0164
F 865.246.1084
CONTACT: JOHN KENNY, P.E.

ELECTRICAL ENGINEER:
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713 SOUTH CENTRAL STREET
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CONTACT: LARRY HEADLA, P.E.



A1 NORTH ELEVATION
1339_XELEV 1/4" = 1'-0"

A9 SOUTH ELEVATION
1339_XELEV 1/4" = 1'-0"

CONCEPT DESIGN	15 OCTOBER 2013
DEMO DRAWINGS	21 NOVEMBER 2013
PRICING SET	26 NOVEMBER 2014
50% CD SET	12 JULY 2015
95% CD SET	16 SEPTEMBER 2015
100% CD SET	30 OCTOBER 2015
REVISION 01	08 JUNE 2016


BUILDING ELEVATIONS

A3.1

1339_A31.DWG

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RENOVATIONS TO THE ELY BUILDING
 406 W CHURCH AVENUE
 KNOXVILLE, TENNESSEE 37902
SPA PROJECT #: 1339



K1 NOT USED

K11 MATERIAL SCHEDULE

1339_XSCMAT N.T.S.

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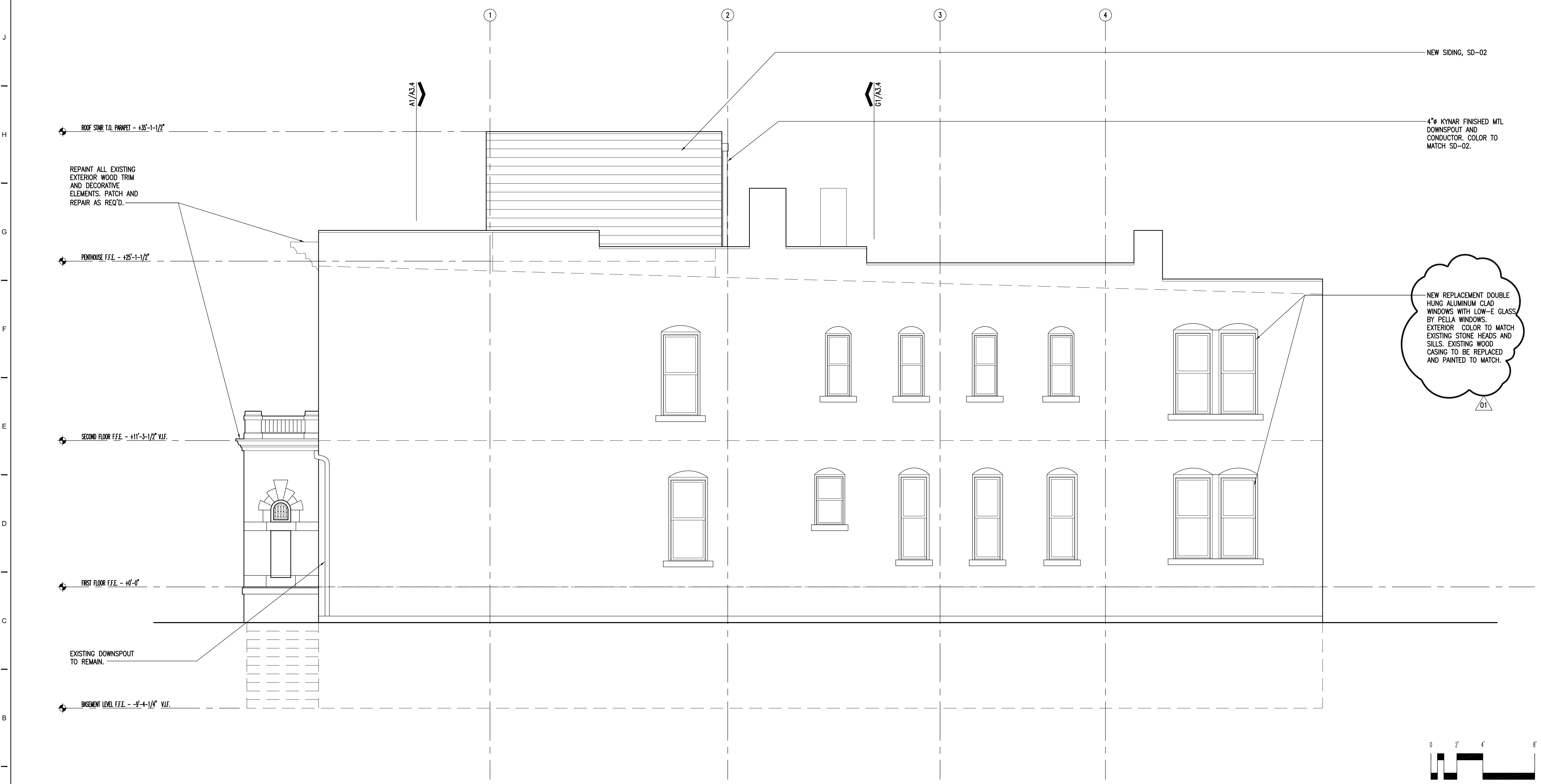
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01 REVISION	31 MARCH 2016

BUILDING ELEVATIONS
A3.2
 1339_A32.DWG



A1 WEST ELEVATION


1339_XELEV 1/4" = 1'-0"

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RENOVATIONS TO THE ELY BUILDING

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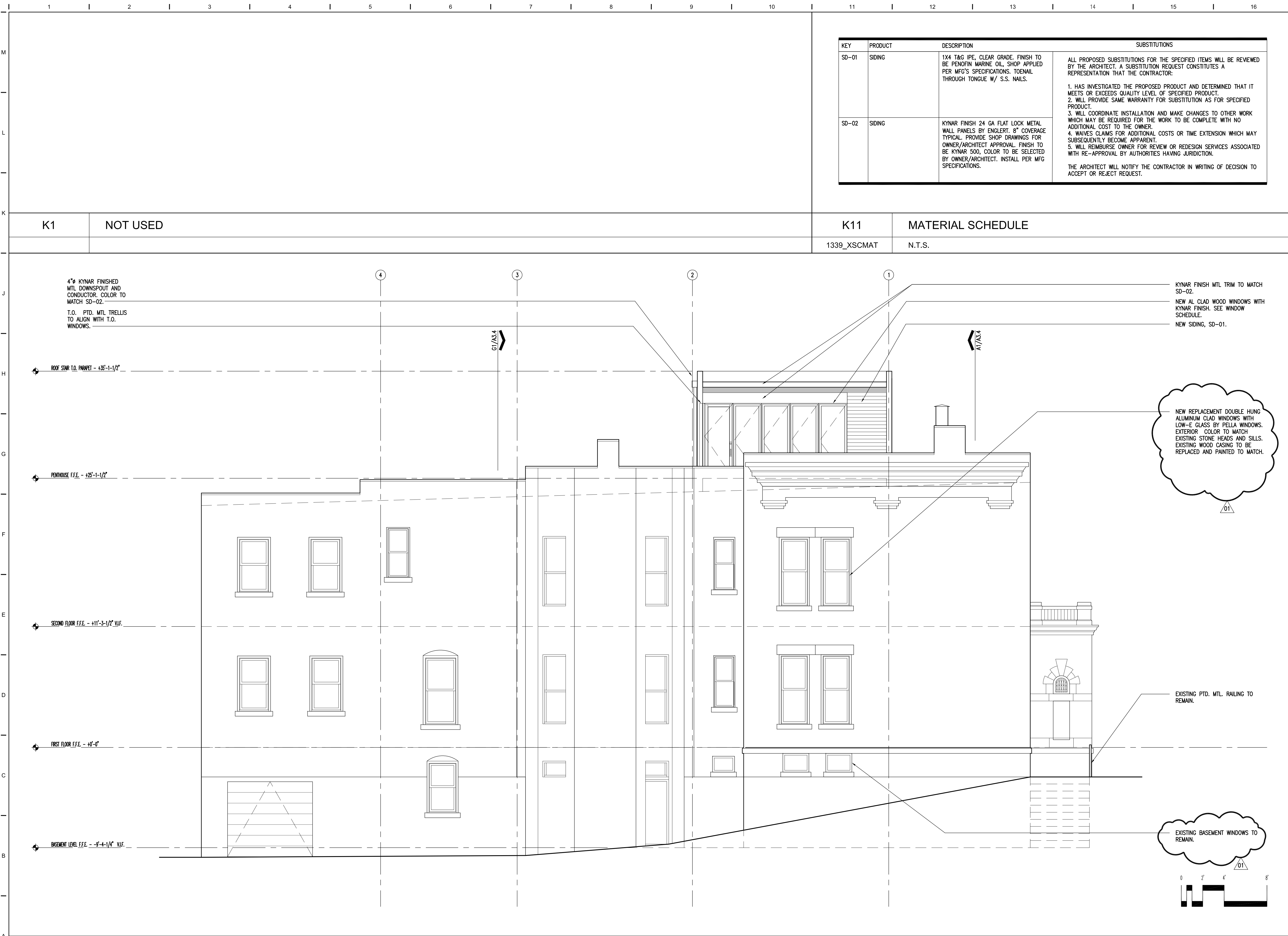
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01 REVISION	31 MARCH 2016

BUILDING ELEVATIONS

A3.3

1339_A33.DWG



A1	EAST ELEVATION
1339_XELEV	1/4" = 1'-0"



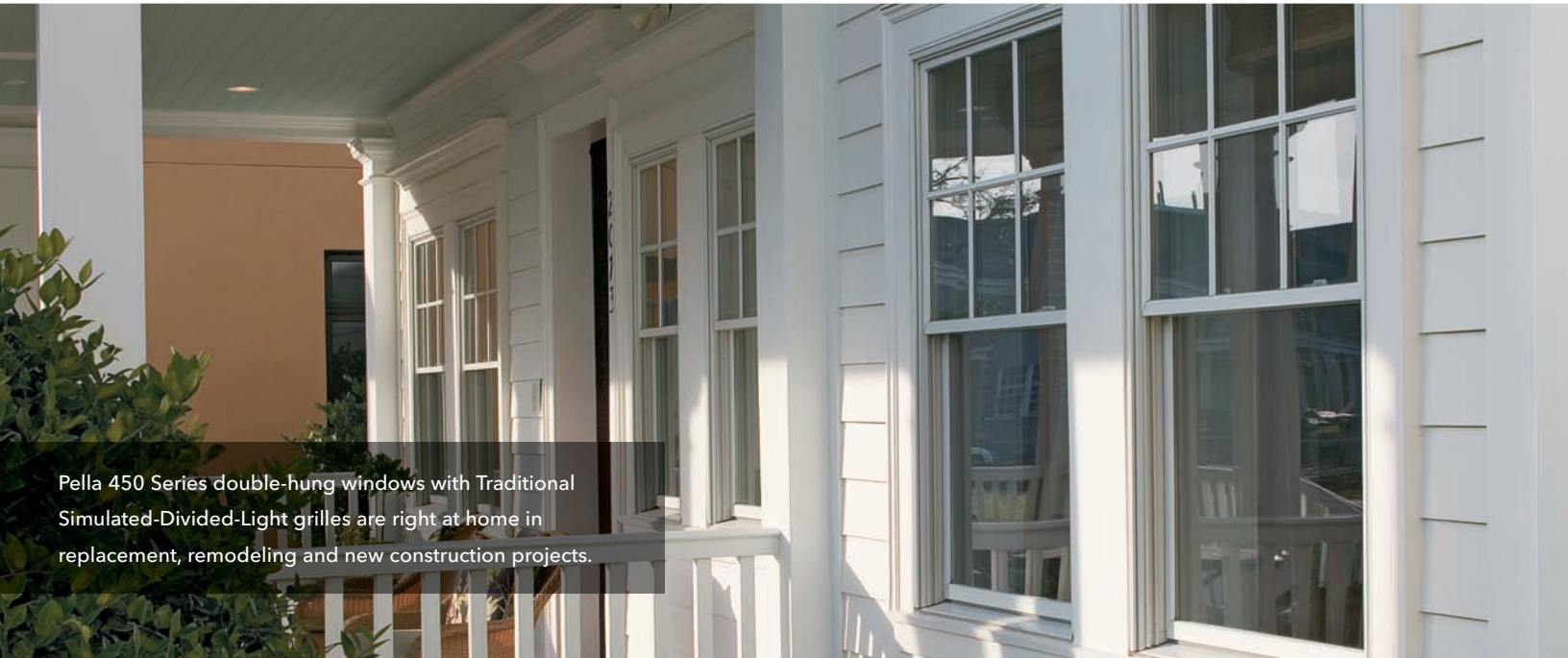
Pella® 450 Series Wood Windows and Patio Doors



Come on in and explore windows and patio doors offering beautiful wood craftsmanship, exceptional energy efficiency and Pella's most popular choices – all at a competitive price.



Pella® 450 Series casement and fixed window combinations create a custom look without the custom price tag.



Pella 450 Series double-hung windows with Traditional Simulated-Divided-Light grilles are right at home in replacement, remodeling and new construction projects.



The Pine interiors of a Pella 450 Series sliding patio door surrounded by awning and fixed windows create a room that's as naturally beautiful as the view outside.



The beauty of wood at a competitive price.

Pella® 450 Series products offer you our most popular features, including the natural beauty of wood with low-maintenance aluminum-clad exteriors. So start here for windows and patio doors that give your home more style and better energy efficiency – and make your life easier every day.

Visit the Pella 450 Series windows and patio doors page for more ideas and inspiration at pella.com/pella-450-series.



WHY CHOOSE Pella® 450 Series

Wood Windows and Patio Doors

LOW-MAINTENANCE WOOD

Looks great year after year.

PELLA QUALITY FEATURES

Beautifully crafted,
priced competitively.

Pella 450 Series products offer many of the features found on our premium wood lines and cost less. You get beautiful wood interiors. Low-maintenance EnduraClad® exteriors. Fold-away casement window handles. A wide range of standard and special sizes, shapes and styles. And a choice of eight exterior cladding colors.

Our most popular options. Pella can stain, paint or prime the wood interiors of your Pella products for you. If you want the look of individual windowpanes, you can choose from several grille types and patterns.

Beautiful, low-maintenance exteriors.

Our strong wood frames with aluminum-clad exteriors arrive with the added protection of our durable EnduraClad finish in the color of your choice.

Exceptional wood protection.

Pella EnduraGuard® wood protection provides advanced protection against the effects of moisture, decay, stains from mold and mildew – as well as termite damage.





STYLE FOR LESS

Get a custom look at a standard price.

The look of individual windowpanes to fit your home's style. You have the choice of three distinctive grille types in a variety of patterns and finishes, including Simulated-Divided-Light grilles bonded to the interior and exterior glass, removable roomside wood grilles or permanent grilles-between-the-glass.

They'll think you hired an architect.

Special Shape windows and factory-assembled combinations of windows can make a unique design statement for less than the cost of a custom window.



EXCEPTIONAL ENERGY EFFICIENCY

Lower your heating and cooling costs.



ENERGY STAR® performance.

Pella® 450 Series windows and doors offer you the energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.* You'll enjoy lower heating and cooling costs and a more comfortable home year round.

The right glass choice for your climate.

Pella's InsulShield® Low-E Glass Collection – featuring Pella's most innovative and energy-saving choices – is designed to fit a variety of specific needs.

* Some Pella products may not meet ENERGY STAR guidelines in Canada. For more information, contact your local Pella sales representative or go to energystar.gc.ca.

PELLA® 450 SERIES WOOD WINDOWS

Our most popular styles are as beautiful as they are functional.



Double-Hung Windows

Double-hung windows offer efficient ventilation – both upper and lower sashes open.

Years of smooth, effortless operation. Our Advanced Balance System helps ensure your window will open and close easily.

A tighter seal against the elements. Pella's cam-action locks pull the sashes against the weatherstripping. Goodbye, drafts!

Easier cleaning. Both sashes tilt in – making it easy to clean the exterior glass from inside your home. (Just another popular feature invented by Pella.)



Casement and Awning Windows

Coveted for their clean, uncluttered views and effortless operation – they glide open and shut with the turn of one easy-to-operate handle.

Years of smooth openings and closings. Steel operating arms and hinges resist rust and corrosion.

More convenient handle design. Fold-away handle won't get in the way of roomside window treatments.

Simple to operate. Unison Lock System secures the window in two places with one easy-to-reach handle.

Easier cleaning. Sash moves toward the center, leaving room to clean the exterior glass from inside your home.



Bay or Bow Windows

More than just windows, they're combinations of windows that reach out into the world and expand your living space and your view.

The right fit for your home. Pella offers bay or bow windows in a variety of standard and custom sizes and angles.*

Extra comfort and charm. Pella® 450 Series bay or bow windows are available with beautiful wood headboards and cozy insulated seatboards.

Easier installation. Many Pella bay or bow windows come ready to be installed – so no extra time is needed for assembly.



Combination, Fixed and Special Shape Windows and Doors

Window and door combinations are two or more windows or doors joined together to add character to your home's design.

Mix and match. Start with any Pella 450 Series window or patio door, then add more Pella 450 Series products next to, above or below it to create a combination that reflects your personal style.

Create a custom look. Assembling a variety of standard window styles makes a design statement for less than the cost of a custom window.

Virtually endless design possibilities. Special Shape windows are available in curves and angles to add architectural interest and natural light.

* See your local Pella sales representative for details.

PELLA® 450 SERIES WOOD PATIO DOORS

There's one to fit your home's style. And your lifestyle.



Sliding Patio Doors

Since they don't swing, sliding patio doors require less floor space. From the dining room to the bedroom, they're the right fit because you can place furniture nearby.

Easy operation. Convenient thumblock allows you to open and close the door with one hand.

Better draft protection. Pella's unique design puts the sliding panel on the outside. So when the wind blows against it, it creates a tighter seal.

Extra convenience. The optional footbolt can hold the door open about 3" for ventilation.

More light and a clearer view. Optional top-hung sliding screen door is made from Pella's high-transparency InView™ screen*.



Hinged Patio Doors

Hinged patio doors swing open and closed to make coming and going easy.

Stunning design and functional passages. Choose one movable and one fixed door that can hinge from the center or a single door for simple elegance.

Added security and peace of mind. Advanced multipoint locking system secures the door at the top, middle and bottom for more peace of mind.

More fresh air. Optional hinged screen* doors are available to match your patio door's EnduraClad® exterior finish color and feature Pella's high-transparency InView screen.

* Warning: Use caution when children or pets are around open windows and doors. Screens are not designed to retain children or pets.

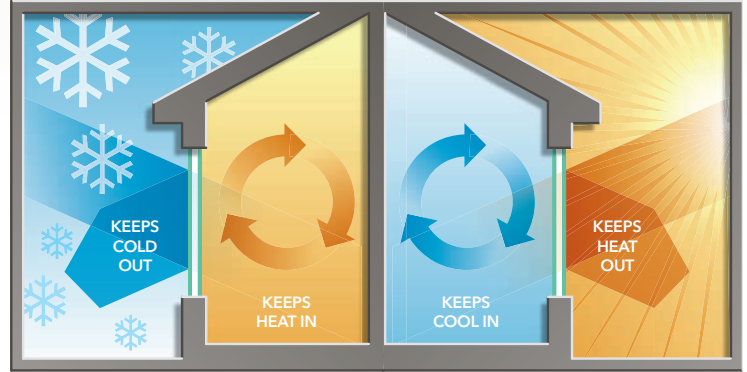
PELLA HAS THE RIGHT GLASS FOR YOUR HOME





Increases your comfort. And helps reduce your heating and cooling costs.



Low-E Glass Collection¹

Energy performance. Pella's InsulShield® Low-E Glass Collection offers our most innovative and energy-saving choices – and is designed to meet a variety of specific needs. Whatever your climate, we make it easy to choose the glass that's just right for you.



NaturalSun Low-E Insulating Glass with Argon ² 	AdvancedComfort Low-E Insulating Glass with Argon ² 	Advanced Low-E Insulating Glass with Argon ² 	SunDefense™ Low-E Insulating Glass with Argon ² 
EXTREME COLD		EXTREME HEAT	
<p>BEST USE: Extremely cold climates. Provides excellent insulation to help keep the most extreme cold out, while allowing the sun's heat to flow in and warm your home.</p> <ul style="list-style-type: none"> Two panes of glass with Low-E thermal protection and argon² between the panes. Blocks 69% of the sun's ultraviolet rays. 	<p>BEST USE: Northern U.S. climates. Unique Low-E technology delivers balanced insulation from colder winters and moderate summers.</p> <ul style="list-style-type: none"> Two panes of glass with AdvancedComfort Low-E protection and insulating argon² between the panes. Blocks 85% of the sun's ultraviolet rays. 	<p>BEST USE: Most climates. A popular choice because it insulates well from the cold and heat.</p> <ul style="list-style-type: none"> Two panes of glass with multiple layers of Low-E protection and argon² between the panes. Blocks 84% of the sun's ultraviolet rays. 	<p>BEST USE: Hot, sunny climates. Allows in more visible light and provides a clear view, while helping to block the heat of the sun.</p> <ul style="list-style-type: none"> Two panes of glass, multiple layers of Low-E solar protection and argon² between the panes. Blocks 94% of the sun's ultraviolet rays.

ADDITIONAL ENERGY-EFFICIENT GLASS OPTIONS ¹ FOR YOUR SPECIFIC NEEDS	
Privacy	Obscure insulating glass is ideal for intimate spaces such as the bathroom or bedroom. The textured surface lets the sun shine in while obscuring the view.
Glare	Gray-, Green- or Bronze-tinted Advanced Low-E and Gray Low-E insulating glass with argon ² provides effective glare control without the discomfort of heat-absorbing glass or the visual disruptions of highly reflective glass.
Safety	Tempered glass is four times stronger than regular glass, and if the glass fractures, it will break into very small particles, not sharp pieces.

Pella® 450 Series products offer the energy-efficient options that will meet or exceed ENERGY STAR® guidelines in all 50 states.³



¹ Glass options can be upgraded to offer the benefits of our InsulShield Low-E Glass Collection. Glass options may vary per product. See specific product information for availability.
² Optional high-altitude Low-E insulating glass does not contain argon in most products. Please see your local Pella sales representative for more information.
³ Some Pella products may not meet ENERGY STAR guidelines in Canada. For more information, contact your local Pella sales representative or go to energystar.gc.ca.

FEATURES AND OPTIONS

Personalize your windows and doors with our most requested design choices.

Visit pella.com/pella-450-series to see the complete list of features and options available on Pella® 450 Series products.

ENDURACLAD® ALUMINUM EXTERIOR FINISHES

Standard



White

Tan

Brown

Feature



Poplar White

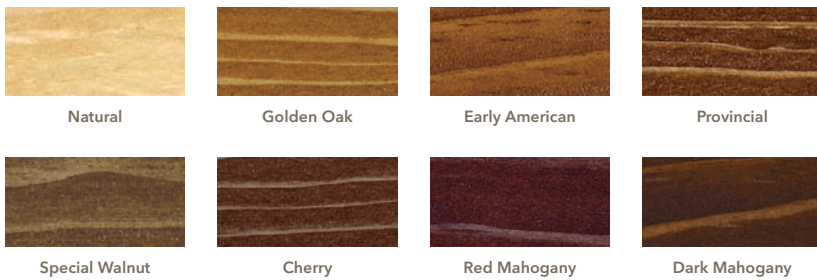
Putty

Hartford Green

Brick Red

Black

PREFINISHED PINE INTERIORS



Natural

Golden Oak

Early American

Provincial

Special Walnut

Cherry

Red Mahogany

Dark Mahogany



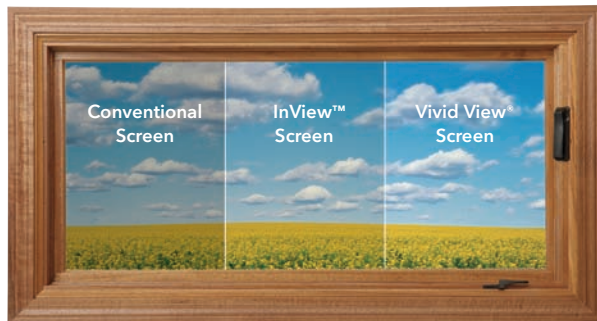
White

Bright White

Linen White

Primed

SCREENS¹



Vivid View screens allow in 29% more light and 21% more airflow.² InView screens let in 14% more light and 8% more airflow² – plus, they're the standard option on all Pella 450 Series wood windows and patio doors.

HARDWARE



Double-Hung Window Sash Lift

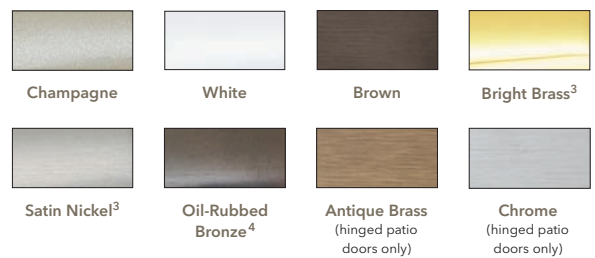
Double-Hung Window Cam-Action Sash Lock

Casement and Awning Fold-Away Window Crank

Sliding Patio Door Handle

Hinged Patio Door Handle

Hardware Finishes



Hinged patio door hardware not available in Champagne and White.

¹ Warning: Use caution when children or pets are around open windows and doors. Screens are not designed to retain children or pets.

² Screen cloth airflow is based on calculated screen cloth openness. Screen cloth transmittance was measured using an integrated sphere spectrophotometer.

³ On hinged patio doors, Endura Hardware Collection offers superior corrosion resistance with a 10-year warranty. See written warranty for complete details at pella.com/warranty.

⁴ Oil-Rubbed Bronze is a living finish that will develop its own unique patina with use.



Pella® 450 Series Features and Options



GLASS

InsulShield® Low-E Glass Collection

Advanced Low-E insulating glass with argon*	O
AdvancedComfort double-pane glass with argon*	O
SunDefense™ Low-E insulating glass with argon*	O
NaturalSun Low-E insulating glass with argon*	O

Additional Energy-Efficient Glass Options

Clear insulating glass with argon*	O
Gray-, Bronze- or Green-tinted glass with argon**	O
Obscure glass*	O

* Optional high-altitude InsulShield Low-E insulating glass does not contain argon.

** Not available with blinds-between-the-glass on sliding patio doors.

EXTERIOR/INTERIOR FINISHES

EnduraClad® aluminum exterior	S
Unfinished Pine interior	S
Prefinished paint or primed interior	O
Prefinished stain (Pine)	O

ENDURA CLAD EXTERIOR COLORS

Standard colors (White, Tan or Brown)	S
Feature colors	O*

* Available in Poplar White, Putty, Hartford Green, Brick Red or Black only.

HARDWARE FINISHES

Windows and sliding patio doors

Champagne, White or Brown	S
Bright Brass*, Satin Nickel* or Oil-Rubbed Bronze**	O
Exterior handle matches EnduraClad exterior finish color (patio doors)	S

Hinged patio doors

Bright Brass*	S
Brown, Satin Nickel*, Oil-Rubbed Bronze**, Antique Brass or Chrome	O

* Endura Hardware Collection on hinged patio doors offers superior corrosion resistance with a 10-year warranty. See written warranty for complete details at pella.com/warranty.

** Oil-Rubbed Bronze is a living finish that will develop its own unique patina with use.

SASH LOCKS/SASH LIFTS

Surelock® System with Unison Lock System* (casement and awning windows)	S
Cam-action locks (double-hung windows)	S
Sash lifts (sold separately for double-hung windows)	O

* Unison Lock System is standard on casement and awning windows over 29" tall or wide, respectively. Dual sash locks and lifts are standard on large windows.

EASY-CLEAN FEATURES

Clean exterior glass from inside (casement, awning and double-hung windows)	S
Both sashes tilt at the bottom (double-hung windows)	S

HINGES

Match handle finish color (in-swing doors)	O
--	---

LOCKING SYSTEM

Hinged patio door multipoint locking system	S
Sliding patio door single-point locking system	S

PERMANENT GRILLES*

7/8" Simulated-Divided-Light grilles (wood roomside and EnduraClad exterior)	O
3/4" aluminum grilles-between-the-glass**	O

* Grille patterns offered may vary per product. See your local Pella sales representative for availability.

** Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

REMOVABLE GRILLES*

3/4" grilles (wood roomside only, no exterior)	O
--	---

* Grille patterns offered may vary per product. See your local Pella sales representative for availability.

SCREENS*

Window

InView™ flat screen	S
Vivid View® high-transparency flat screen	O

Hinged patio door

Exterior InView flat screen door (matches exterior color)	O
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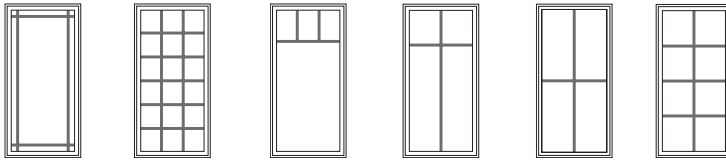
Sliding patio door

Top-hung InView flat screen door	O
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* Warning: Use caution when children or pets are around open windows and doors. Screens are not designed to retain children or pets.

(S) Standard (O) Optional

GRILLE PATTERNS



9-Lite Prairie

Traditional

Top Row

Cross

Custom (equally divided)

GRILLE TYPES

Permanent

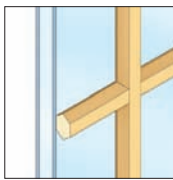


7/8" Simulated-Divided-Light Grilles



3/4" Aluminum Grilles-Between-the-Glass

Removable



3/4" Roomside Wood Grilles

GRILLES-BETWEEN-THE-GLASS INTERIOR COLORS⁵



White



Tan⁶



Brown⁶



Ivory



Harvest



Cordovan



Brickstone

⁵ Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

⁶ Only available with same colors on interior and exterior.



A commitment to care for our world.

When we're making our energy-efficient windows and doors – and even when we're not – Pella is protecting our environment in communities across the country through forest stewardship, pollution prevention, waste management and other important green initiatives. Not only because it's good for business. But because it's the right thing to do. And, frankly, it's just part of the way we've always done things at Pella. When you choose Pella® windows and doors, you're making an environmentally responsible purchase you can feel good about.

Want to learn more about Pella windows and doors? Call us at **866-209-4260** or visit pella.com.



Always read the Pella warranties before purchasing or installing Pella products. See written warranties for complete details, including specific labor and component warranty periods, at pella.com/warranty.



Pella Corporation is a proud volunteer partner in the U.S. Environmental Protection Agency and the Department of Energy's ENERGY STAR® program to promote the use of high-efficiency products.

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