

4/20/2021

**CERTIFICATE OF APPROPRIATENESS**

Brian R. Ellison  
The Intersection Consulting Group LLC  
2233 Park Avenue, Suite 302  
Detroit, MI 48201

**RE: Application Number 21-7180 & 21-7189; 664-676 W. Alexandrine Street, Willis – Selden Historic District**

Dear Mr. Ellison,

At the regularly scheduled meeting held virtually on April 14, 2021, the Detroit Historic District Commission (“Commission”) reviewed the above-referenced application for building permit. Pursuant to Section 5(10) of the Michigan Local Historic District Act, as amended, being MCL 399.205, MSA 5-3407(5)(10) and Section 21-2-73 of the 2019 Detroit City Code; the Commission has reviewed the above-referenced application for building permit and hereby issues a Certificate of Appropriateness, which is effective as of April 20, 2021.

The following proposed work meets the defined elements of design for the historic district and the Secretary of the Interior’s Standards for Rehabilitation and guidelines for rehabilitating historic buildings (36 CFR Part 67).

• **Sitework**

○ **Demolition**

- Demolish existing curb cut and concrete driveway.
- Demolish all existing concrete on the site in its entirety, including the sidewalk at the front (south) edge of the site
- Remove all existing trees on the site

○ **New Sitework**

- Renovate and repave alleys located adjacent to the site along the north and west property lines to City specifications.
- New curb cut and concrete approach/driveway near the east property line (new location)
- New asphalt-paved drive aisle and parking area
- New 6’ wide concrete sidewalk at the front (south) property line
- New concrete pedestrian path along the east side of the building
- Creation of new recreational space at the front (south) end of the building consisting of a 2’-6” high wall running east/west, raised planters, landscape beds, wall-mounted douglas fir benches and paved with exposed aggregate concrete paving. Wall-mounted benches are to be “Timberform Greenway” model no. 2144-6 – finish: Douglas Fir (untreated)
- Creation of a new bike parking area located near the southeast corner of the new building including four bike racks and paved with brick pavers. Bike racks are to be “Landscape Forms: FGP Bike Rack” – finish: light gray aluminum
- Creation of a new 10’ x 25’ recreational area at the rear (north) of the building consisting of a dog run area (artificial turf) which is to be enclosed with a 6’ high vinyl fence
- Trash enclosure to be located adjacent to the dog run area at the northeast corner of the building.
- Install new 6’-0” high composite fence along the length of the east property line from alley to the front façade of existing house to the east. The fence will drop from 6’ high to 3’ high at the front façade of the house and continue out to meet the 2’-6” high garden wall proposed at the southeast corner of the site.
- Grass pavers at some of the parking spaces – see drawings for locations.
- Planting areas with ornamental grasses and small shrubs at various locations throughout the site
- New trees as shown on landscape plan

• **New Construction**

Construct a new 3-story, multiple-family apartment building (30 units)

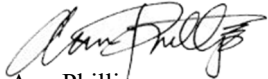
- Building is to be rectangular in form with a footprint that measures approximately 40'W x 153'D and situated at the far west edge of the property, adjacent to the alley.
- Uncovered surface parking is proposed to be located on the east side of the building. The east parking area is accessed via a new driveway off of Alexandrine.
- Building set back approximately 12' from the front (south) property line and 10' from the rear (north) property line.
- All units are to be accessed either from grade or from exterior staircases and covered balconies. No interior circulation.
- Building materials include:
  - James Hardie Reveal Panel with Recess Trim (color: Deep Red)
  - Vesta Steel Plank Siding at unit entry alcoves (color: Ironstone)
  - Dark gray brick veneer at the base of the building
  - Perforated metal screen at exterior stair enclosures (color: Black)
- All windows are to be aluminum – color: black
- Entry doors at all dwelling units are to be fiberglass Therma Tru Smooth-Star doors – door and frame finish: black
- Exterior light fixtures at dwelling units are to be Glacier Integrated LED wall-mounted lights by Artika – material/finish: dark gray aluminum with glass lens, size: 5.1" x 3.2" x 11.8"
- Exterior balcony railings are to be a cable rail system with steel posts – frame finish: black

**With the following conditions:**

- The 6'-0" high vinyl fence proposed at the dog run is to be a material other than vinyl.
- Applicant to submit revised cut sheets for the items listed above to HDC staff for review and approval prior to pulling the permit.

Please retain this COA for your files. You should now proceed to obtain a building permit from the City of Detroit Buildings, Safety, Engineering and Environmental Department. It is important to note that approval by the Detroit Historic District Commission does not waive the applicant's responsibility to comply with any other applicable ordinances or statutes.

For the Commission:



Ann Phillips

Staff

Detroit Historic District Commission

THIS IS A 3-PAGE FORM - ALL INFORMATION IS REQUIRED FOR PROJECT REVIEW

# HISTORIC DISTRICT COMMISSION PROJECT REVIEW REQUEST

City of Detroit - Planning & Development Department  
2 Woodward Avenue, Suite 808  
Detroit, Michigan 48226

Date: \_\_\_\_\_

## PROPERTY INFORMATION

ADDRESS: \_\_\_\_\_ AKA: \_\_\_\_\_

HISTORIC DISTRICT: \_\_\_\_\_

SCOPE OF WORK: (Check ALL that apply)

<input type="checkbox"/> Windows/ Doors	<input type="checkbox"/> Roof/Gutters/ Chimney	<input type="checkbox"/> Porch/ Deck	<input type="checkbox"/> Landscape/Fence/ Tree/Park	<input type="checkbox"/> General Rehab
<input type="checkbox"/> New Construction	<input type="checkbox"/> Demolition	<input type="checkbox"/> Addition	<input type="checkbox"/> Other: _____	

## APPLICANT IDENTIFICATION

Property Owner/  
Homeowner

Contractor

Tenant or  
Business Occupant

Architect/Engineer/  
Consultant

NAME: \_\_\_\_\_ COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

## PROJECT REVIEW REQUEST CHECKLIST

Please attach the following documentation to your request:

**\*PLEASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB\***

- Completed Building Permit Application** (highlighted portions only)
- ePLANS Permit Number** (only applicable if you've already applied for permits through ePLANS)
- Photographs** of ALL sides of existing building or site
- Detailed photographs** of location of proposed work (photographs to show existing condition(s), design, color, & material)
- Description of existing conditions** (including materials and design)
- Description of project** (if replacing any existing material(s), include an explanation as to why replacement--rather than repair--of existing and/or construction of new is required)
- Detailed scope of work** (formatted as bulleted list)
- Brochure/cut sheets** for proposed replacement material(s) and/or product(s), as applicable

### NOTE:

Based on the scope of work, additional documentation may be required.

See [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc) for scope-specific requirements.

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building permit from the Buildings, Safety Engineering and Environmental Department (BSEED) to perform the work.

**SUBMIT COMPLETED REQUESTS TO [HDC@DETROITMI.GOV](mailto:HDC@DETROITMI.GOV)**

# P2 - BUILDING PERMIT APPLICATION

Date: \_\_\_\_\_

## PROPERTY INFORMATION

Address: \_\_\_\_\_ Floor: \_\_\_\_\_ Suite#: \_\_\_\_\_ Stories: \_\_\_\_\_

AKA: \_\_\_\_\_ Lot(s): \_\_\_\_\_ Subdivision: \_\_\_\_\_

Parcel ID#(s): \_\_\_\_\_ Total Acres: \_\_\_\_\_ Lot Width: \_\_\_\_\_ Lot Depth: \_\_\_\_\_

Current Legal Use of Property: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Are there any existing buildings or structures on this parcel?  Yes  No

## PROJECT INFORMATION

**Permit Type:**  New  Alteration  Addition  Demolition  Correct Violations

Foundation Only  Change of Use  Temporary Use  Other: \_\_\_\_\_

Revision to Original Permit #: \_\_\_\_\_ (Original permit has been issued and is active)

**Description of Work** (Describe in detail proposed work and use of property, attach work list)

MBC use change  No MBC use change

**Included Improvements** (Check all applicable; these trade areas require separate permit applications)

HVAC/Mechanical  Electrical  Plumbing  Fire Sprinkler System  Fire Alarm

### Structure Type

New Building  Existing Structure  Tenant Space  Garage/Accessory Building

Other: \_\_\_\_\_ Size of Structure to be Demolished (LxWxH) \_\_\_\_\_ cubic ft.

Construction involves changes to the floor plan?  Yes  No

(e.g. interior demolition or construction to new walls)

Use Group: \_\_\_\_\_ Type of Construction (per current MI Bldg Code Table 601) \_\_\_\_\_

**Estimated Cost of Construction** \$ \_\_\_\_\_ By Contractor \$ \_\_\_\_\_ By Department

### Structure Use

Residential-Number of Units: \_\_\_\_\_  Office-Gross Floor Area \_\_\_\_\_  Industrial-Gross Floor Area \_\_\_\_\_

Commercial-Gross Floor Area: \_\_\_\_\_  Institutional-Gross Floor Area \_\_\_\_\_  Other-Gross Floor Area \_\_\_\_\_

Proposed No. of Employees: \_\_\_\_\_ List materials to be stored in the building: \_\_\_\_\_

**PLOT PLAN SHALL BE submitted on separate sheets and shall show all easements and measurements (must be correct and in detail). SHOW ALL streets abutting lot, indicate front of lot, show all buildings, existing and proposed distances to lot lines.** (Building Permit Application Continues on Next Page)

### For Building Department Use Only

Intake By: \_\_\_\_\_ Date: \_\_\_\_\_ Fees Due: \_\_\_\_\_ DngBld?  No

Permit Description: \_\_\_\_\_

Permit #:

Current Legal Land Use: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Permit#: \_\_\_\_\_ Date Permit Issued: \_\_\_\_\_ Permit Cost: \$ \_\_\_\_\_

Zoning District: \_\_\_\_\_ Zoning Grant(s): \_\_\_\_\_

Lots Combined?  Yes  No (attach zoning clearance)

**Revised Cost** (revised permit applications only) Old \$ \_\_\_\_\_ New \$ \_\_\_\_\_

Structural: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Zoning: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Other: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

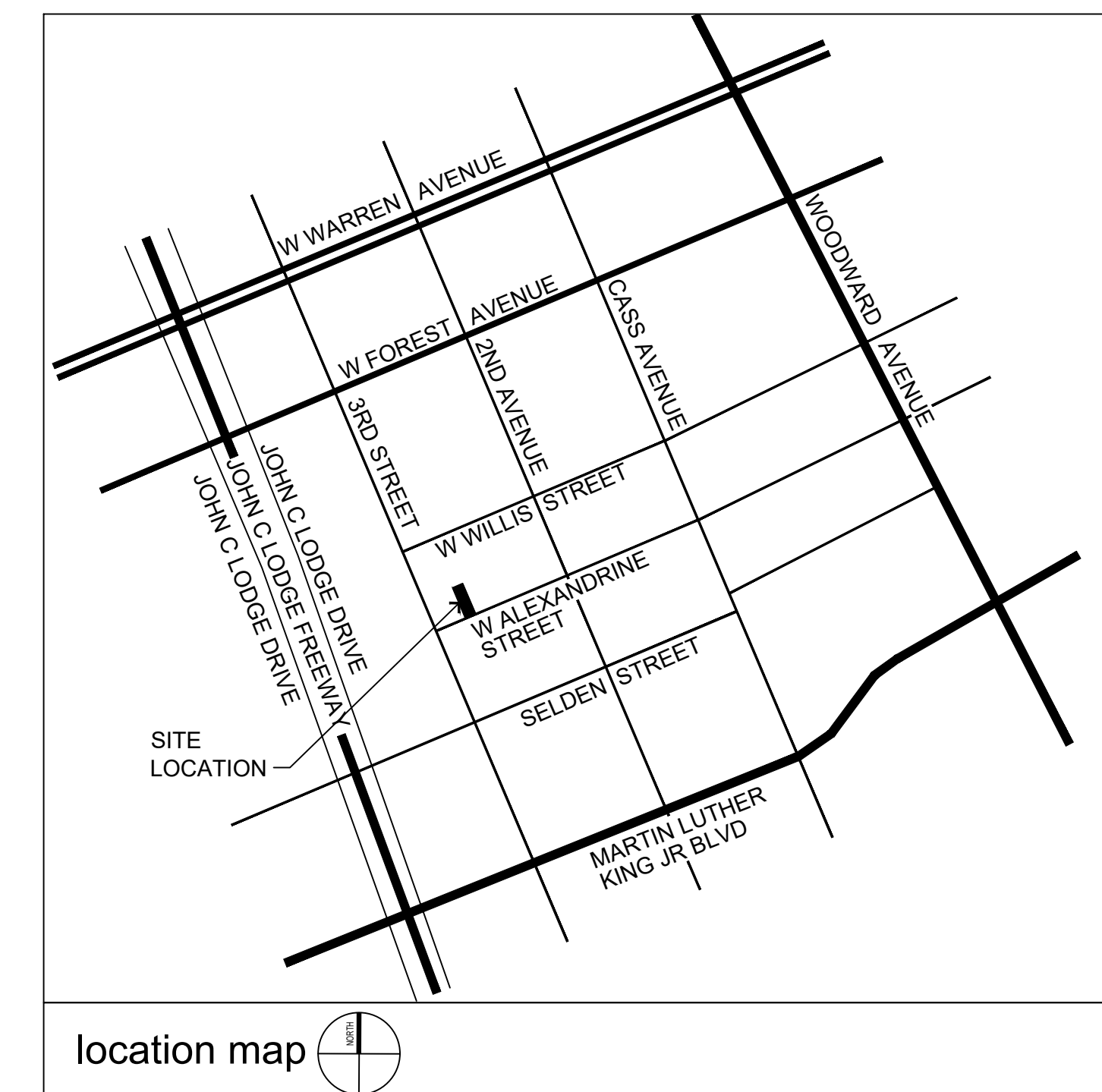


# The Alexandrine Apartments

Proposed Apartment Building

664-676 W. Alexandrine Street Detroit, Michigan 48201

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**SITE CRITERIA:**

PARCEL SIZE: 0.39 ACRES (17,300 SQUARE FEET)  
COMBINED PROPERTIES

ZONING: SD1(SPECIAL DEVELOPMENT DISTRICT, SMALL-SCALE)  
WILLIS-SELDEN LOCAL HISTORIC DISTRICT

PROJECT: 30 UNIT, 3-STORY APARTMENT BUILDING

BUILDING HEIGHT  
MAXIMUM- 35' HT.  
PROVIDED - 3 STORIES, 33.0' HT.

FRONT SETBACK  
REQUIRED - 0' MINIMUM FROM R.O.W. LINE  
PROVIDED - 20' FROM R.O.W. LINE

REAR SETBACK  
REQUIRED - 10' MINIMUM  
PROVIDED - 10.0'

WEST SIDE SETBACK  
REQUIRED - 0' MINIMUM  
PROVIDED - 1.0'

EAST SIDE SETBACK  
REQUIRED - 0' MINIMUM  
PROVIDED - 60.5'

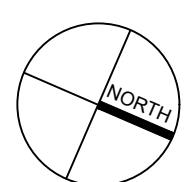
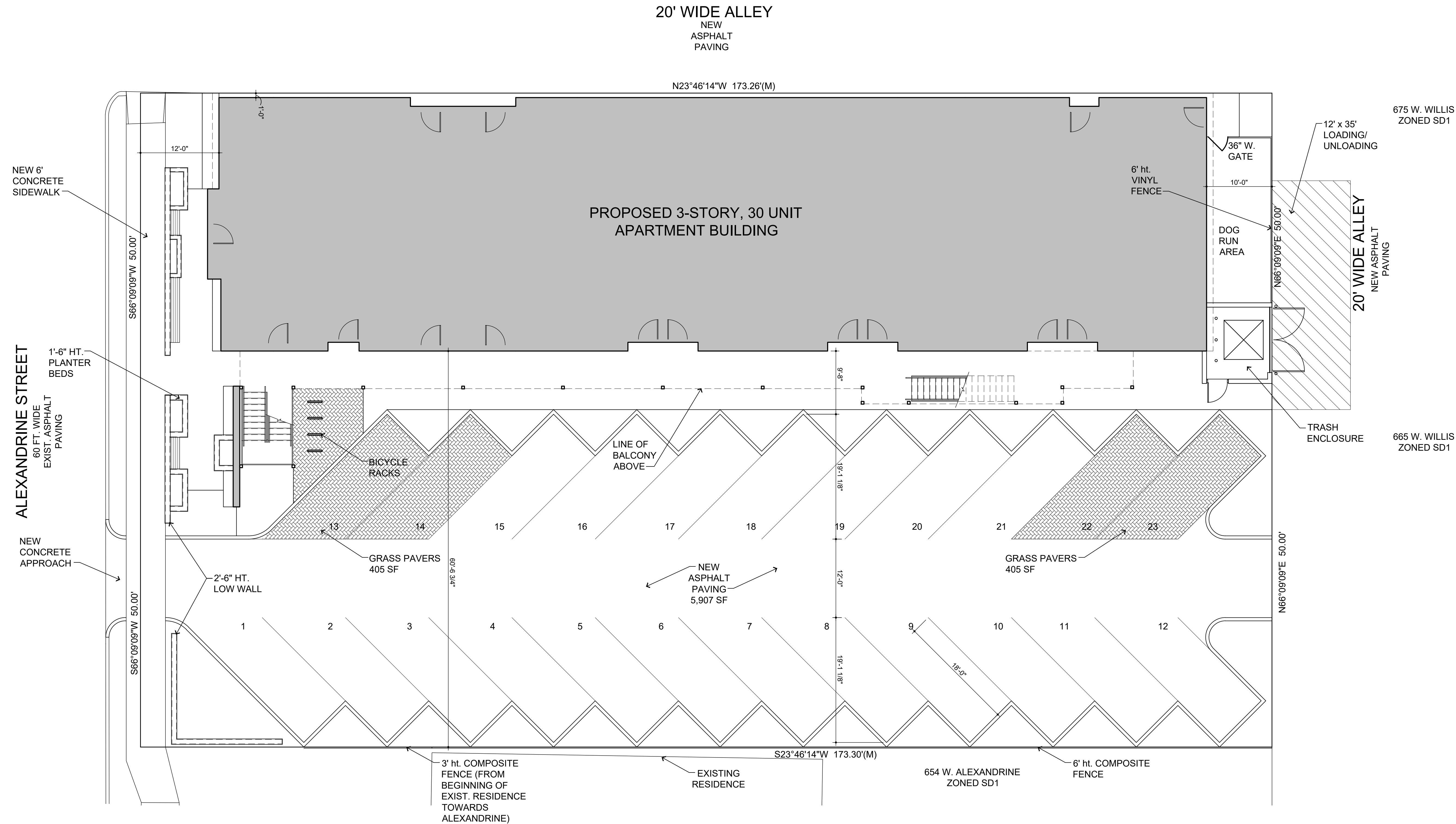
REQUIRED PARKING REQUIREMENTS:  
MULTIPLE-FAMILY DWELLING, WHERE LOCATED  
WITHIN 0.50 MILES OF A HIGH-FREQUENCY  
TRANSIT CORRIDOR  
0.75 SPACES PER DWELLING UNIT  
(30 x 0.75 = 22.5 SPACES)  
TOTAL SPACES REQUIRED = 23 SPACES

PROPOSED PARKING PROVIDED:  
23 SPACES INCLUDING (1) ADA SPACE

RECREATIONAL SPACE REQUIREMENTS  
REQUIRED:  
MINIMUM RECREATIONAL SPACE= GSF x REC. SPACE RATIO  
17,744 GSF x 0.07 = 1,242.0 SF  
PROVIDED:  
FRONT: 1,033 SF  
REAR : 222 SF  
TOTAL: 1,255 SF

STUDIO UNITS: 5  
STUDIO ADA UNIT: 1  
1 BEDROOM UNITS: 19  
2 BEDROOM UNITS: 4  
LIVE/WORK UNIT: 1  
TOTAL UNITS: 30

BUILDING SQUARE FOOTAGE  
LEVEL 1: 5,794 GSF  
LEVEL 2: 5,975 GSF  
LEVEL 3: 5,975 GSF  
TOTAL: 17,744 GSF



1/AS100 architectural site plan

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



**Bmk DESIGN + PLANNING, LLC**  
122 South Laurel Street · Royal Oak · Michigan · 48067  
Ph 248.303.1446 · kmb@bmkdp.com

PROJECT:  
**The Alexandrine Apartment**  
664-676 W. Alexandrine St.  
Detroit, MI 48201

CLIENT:  
**The Ferlito Group**  
440 Selden Street  
Detroit, MI 48201

HDC SUBMITTAL	DATE


SHEET TITLE:  
**ARCHITECTURAL SITE PLAN**

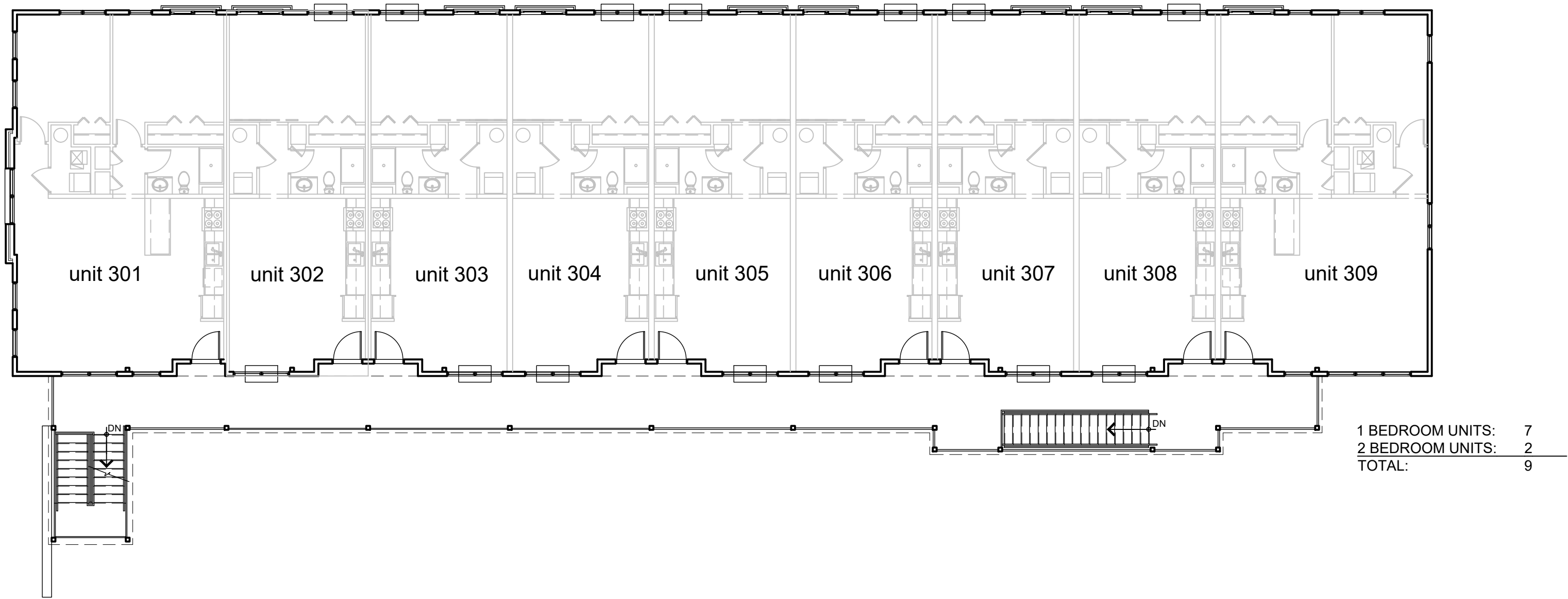
PROJECT NUMBER:  
2019-130

DRAWN BY:  
KMB

CHECKED BY:  
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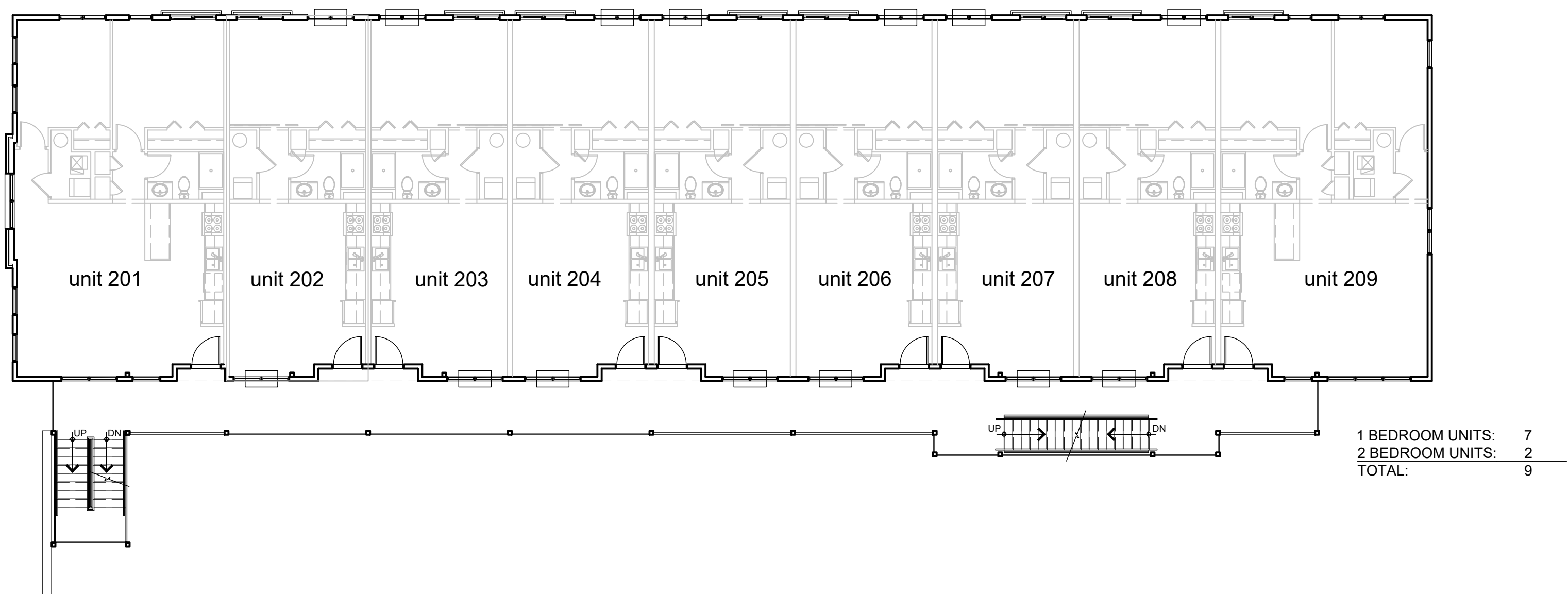
SHEET NUMBER:  
**AS100**

Permit No.:



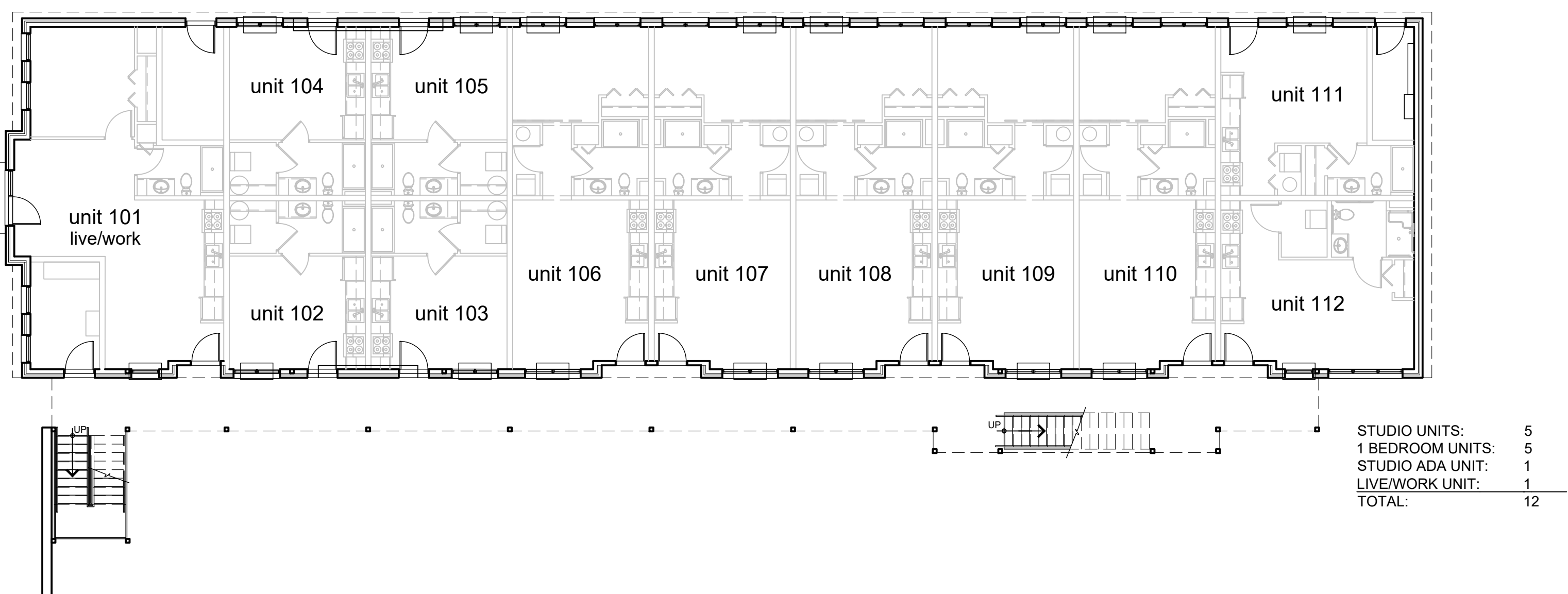
3/A100 level 3 floor plan

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



2/A100 level 2 floor plan

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



1/A100 level 1 floor plan

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

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**The Alexandrine Apartment**  
 664-676 W. Alexandrine St.  
 Detroit, MI 48201

CLIENT:  
**The Ferlito Group**  
 440 Selden Street  
 Detroit, MI 48201

HDC SUBMITTAL DESCRIPTION	DATE

SHEET TITLE:  
**ARCHITECTURAL FLOOR PLANS**

PROJECT NUMBER:  
 2019-130

DRAWN BY:  
 KMB

CHECKED BY:  
 --

SHEET NUMBER:  
**A100**

Permit No.:





dwelling unit windows  
UZOR WINDOWS  
ALUMINUM CLAD

dwelling unit entry light fixture  
GLACIER INTEGRATED LED WALL  
LIGHT BY ARTIKA



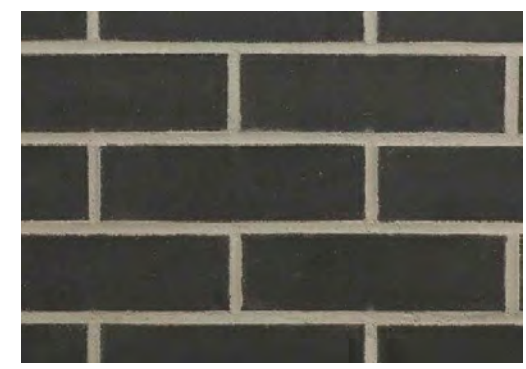
accent color palette  
All materials to be of a non-reflective, matte finish



VESTA STEEL  
PLANK SIDING-  
IRONSTONE  
AT UNIT ENTRY  
ALCOVES

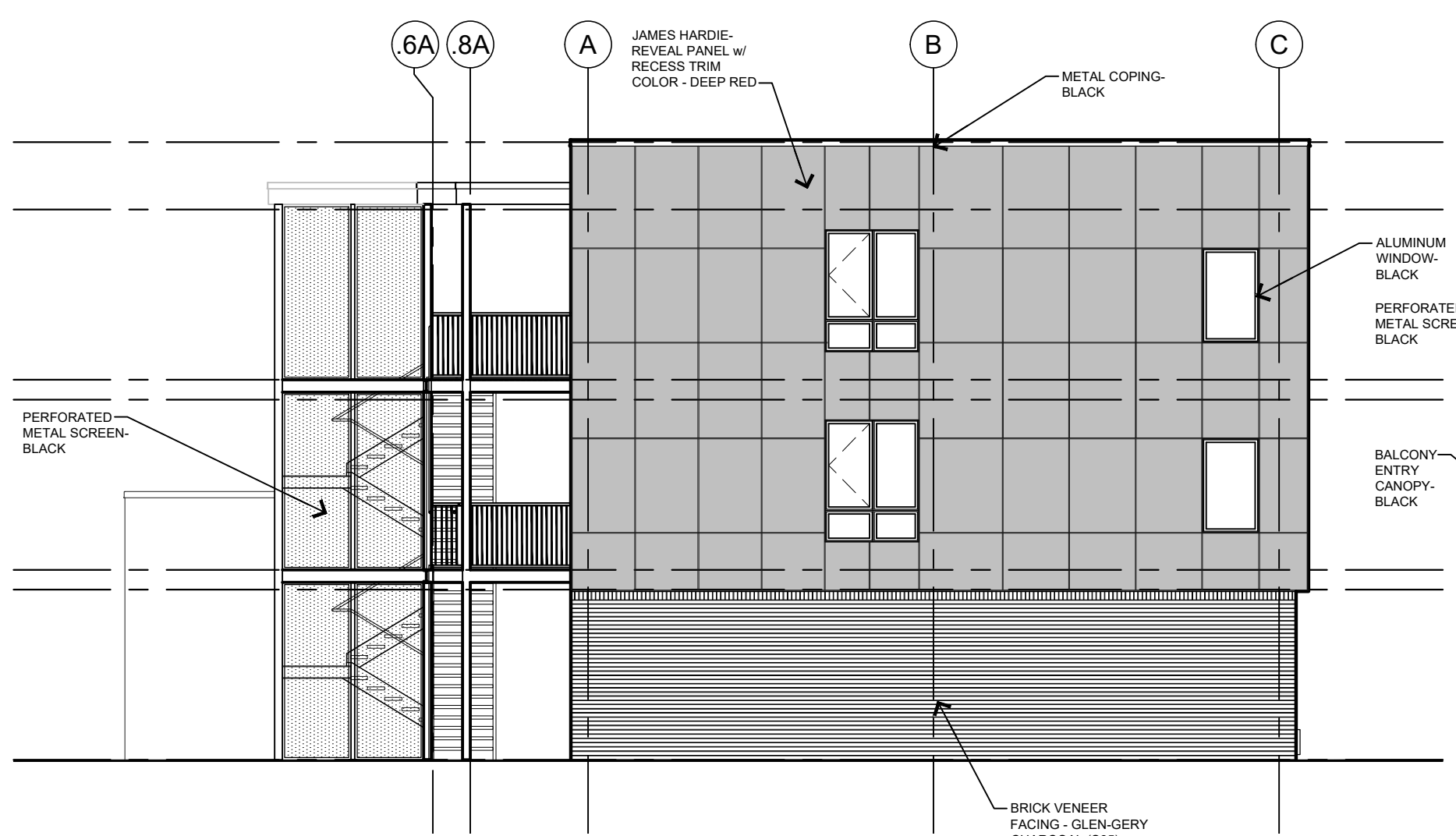


JAMES HARDIE-  
REVEAL PANEL w/  
RECESS TRIM  
COLOR - DEEP RED



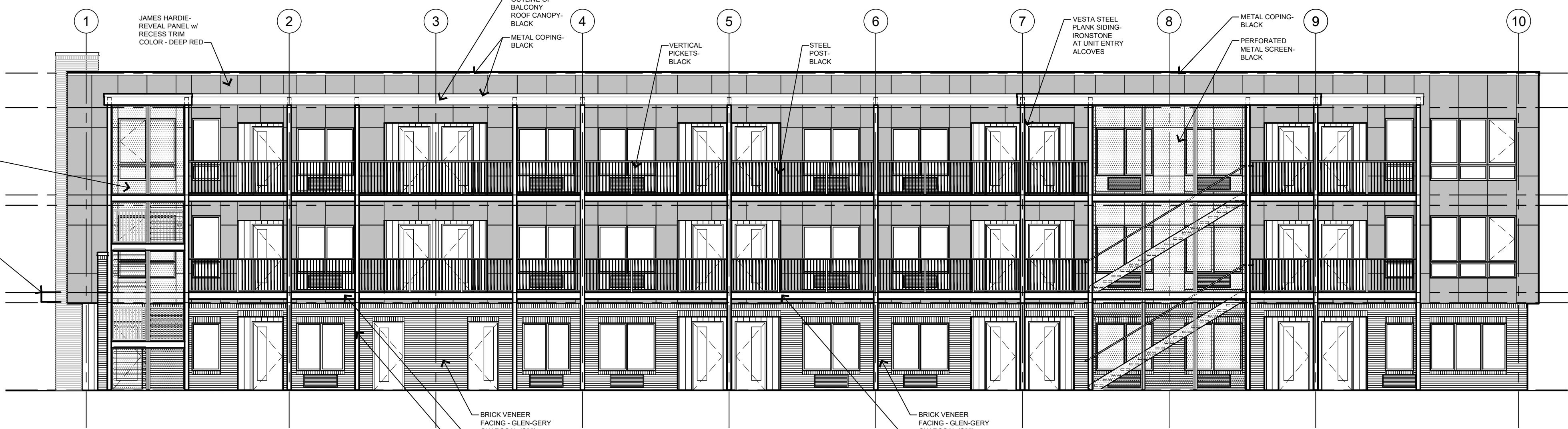
BRICK VENEER FACING -  
GLEN-GERY CHARCOAL

main building color palette  
All materials to be of a non-reflective, matte finish



4/A200 northwest (rear alley) elevation

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



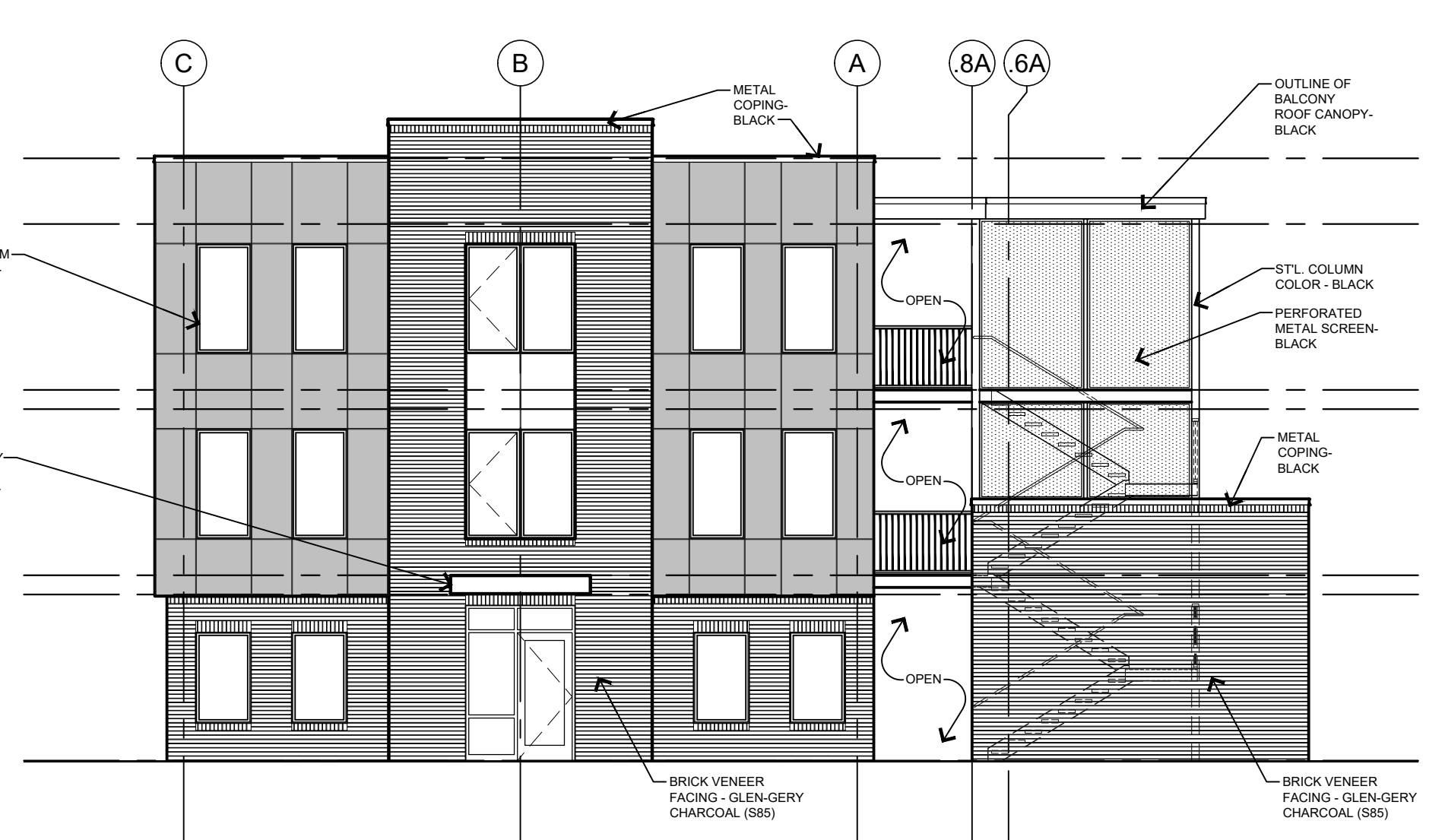
3/A200 northeast (right) elevation

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



2/A200 southwest (left) elevation

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



1/A200 southeast (front) elevation

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

PROJECT:	
The Alexandrine Apartment	
664-676 W. Alexandrine St. Detroit, MI 48201	
CLIENT:	
The Ferlito Group	
440 Selden Street Detroit, MI 48201	

HDC SUBMITTAL	03/22/21
DESCRIPTION	DATE

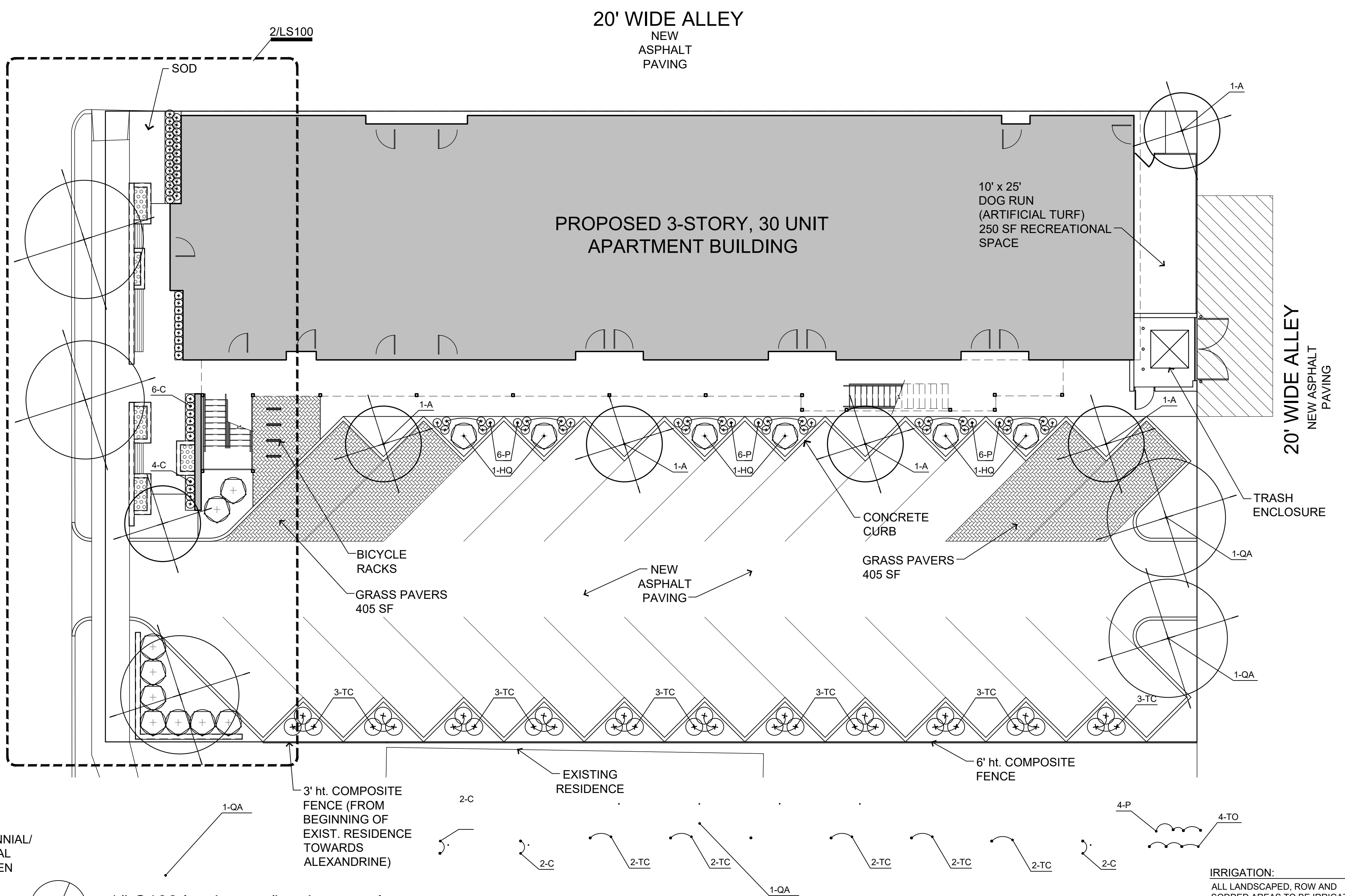
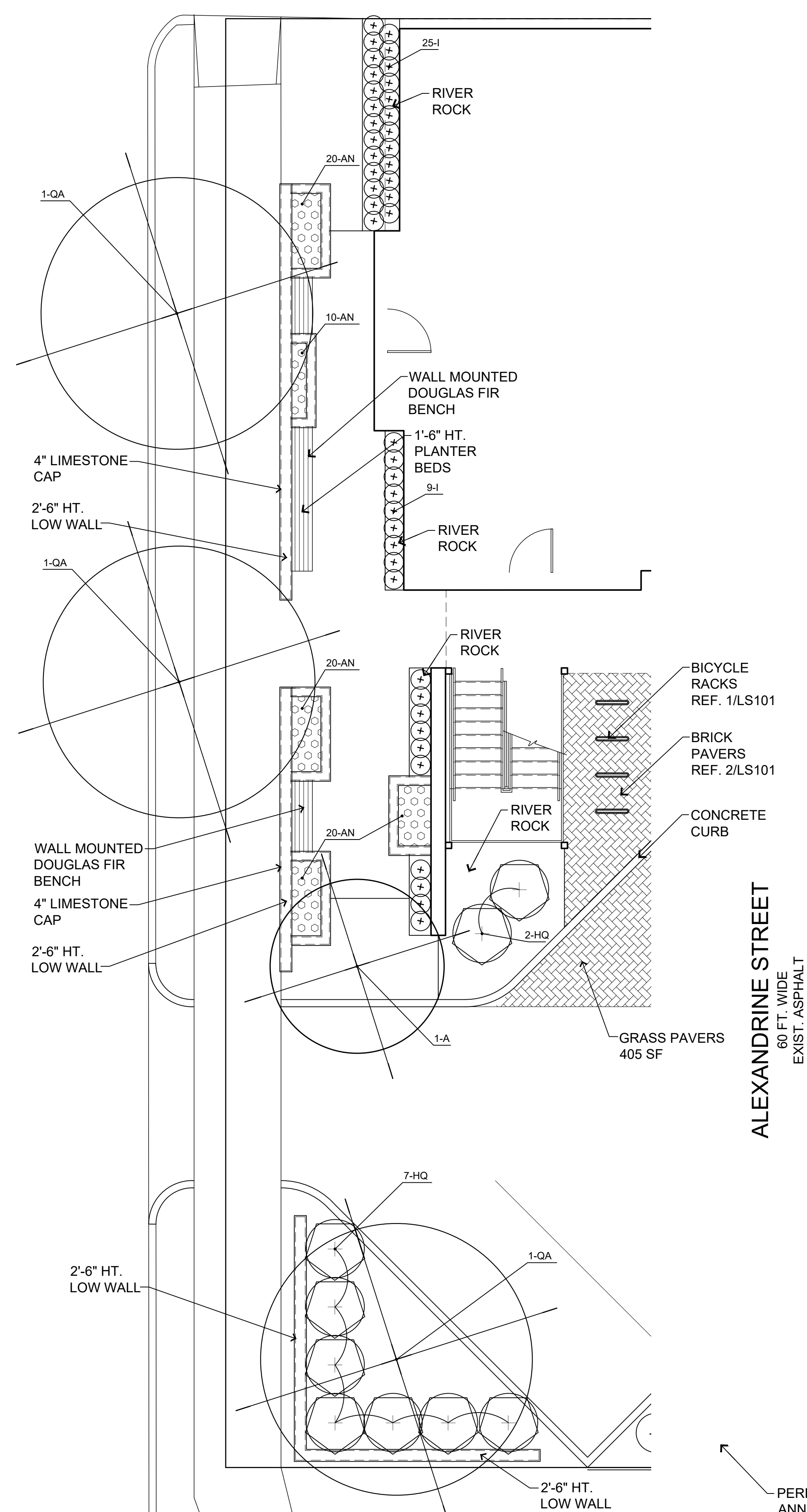
SHEET TITLE:	
EXTERIOR ELEVATIONS	
PROJECT NUMBER:	
2019-130	
DRAWN BY:	
KMB	
CHECKED BY:	
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SHEET NUMBER:	
A200	
Permit No.:	



**PLANT LIST**

SYM.	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	COMMENTS
A	6	Amelanchier laevis	Allegheny Serviceberry	10' Ht.	B&B	Multistem
AN	90	Annuals	Annuals	24 Cell	Flat	Plant 6" O.C.
C	10	Calamagrostis 'Cheju-Do'	Dwarf Feather Reed Grass	1 Gal.	Container	Plant 36" O.C.
HQ	15	Hydrangea quercifolia	Oakleaf Hydrangea	24"-30"	Container	Plant 48" O.C.
I	34	Imperata Cylindrica 'Rubra'	Japanese Red Baron Blood Grass	1 Gal.	Container	Plant 18" O.C.
P	30	Panicum Virgatum	Switch Grass	1 Gal.	Container	Plant As Shown
QA	5	Quercus alba	White Oak	3" Cal.	B&B	Plant As Shown
TC	33	Taxus cuspidata 'Monloo'	Emerald Spreader Japanese Yew	24"-30"	B&B	Plant 36" O.C.

**INTERIOR LANDSCAPESPACE REQUIREMENTS**  
REQUIRED:  
(25-100 SPACES) 18 SF PER PARKING SPACE  
23 PARKING SPACES x 18 SF = 414 SF  
AND 2 SHADE TREES  
  
560.1 SF PROVIDED WITH 3 SHADE TREES



2/LS100 enlarged front area plan  
SCALE: 3/16" = 1'-0"

1/LS100 landscape/hardscape plan  
SCALE: 3/32" = 1'-0"

**IRRIGATION:**  
ALL LANDSCAPED, ROW AND  
SODDED AREAS TO BE IRRIGATED  
BY AN AUTOMATIC SPRINKLER  
SYSTEM.

**PROJECT:**  
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664-676 W. Alexandrine St.  
Detroit, MI 48201  
  
**CLIENT:**  
**The Ferlito Group**  
440 Selden Street  
Detroit, MI 48201

HDC SUBMITTAL	DATE
	03/22/21

SHEET TITLE:  
**LANDSCAPE/  
HARDSCAPE PLAN**

PROJECT NUMBER:  
2019-130

DRAWN BY:  
KMB

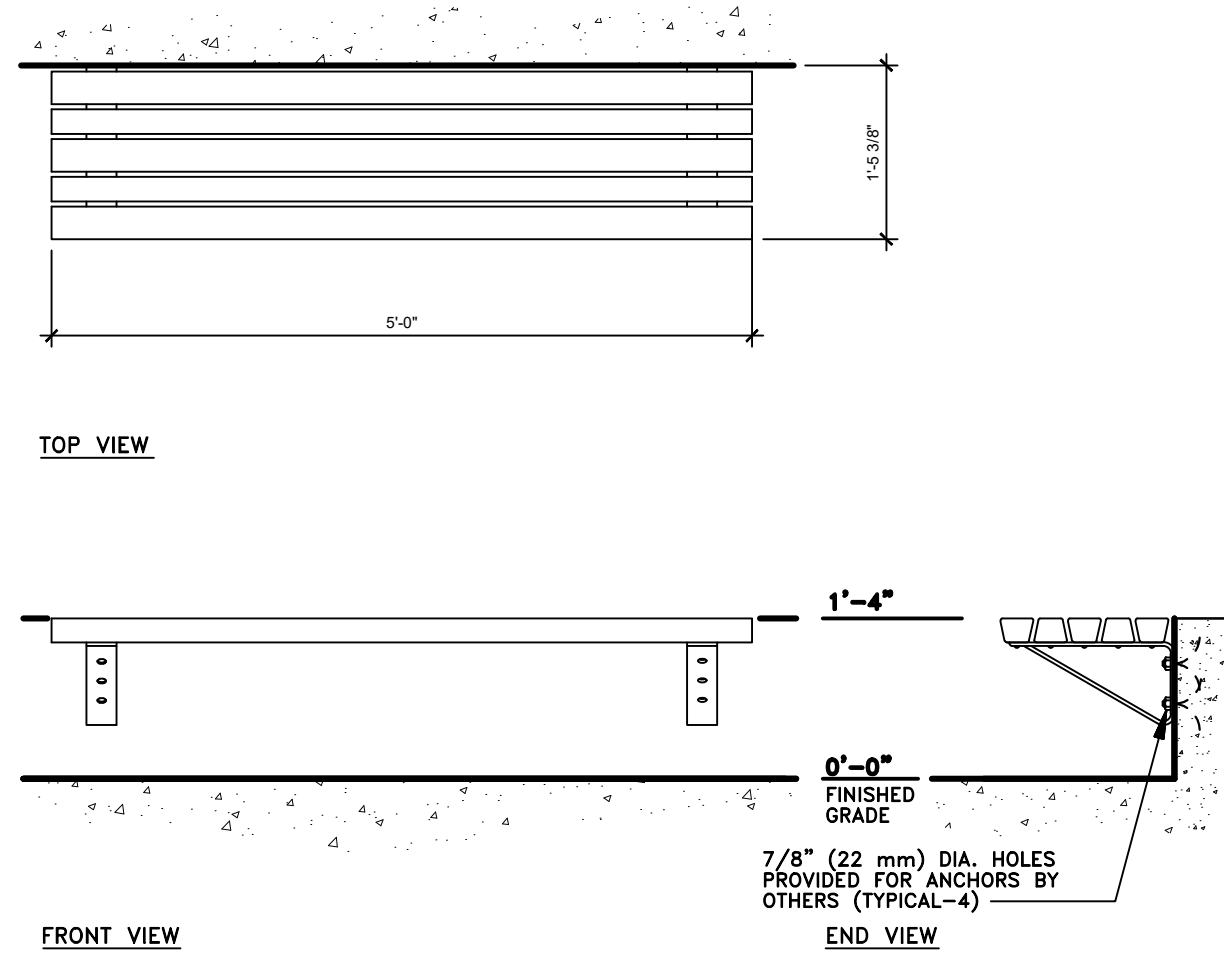
CHECKED BY:  
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SHEET NUMBER:  
**LS100**

Permit No.:

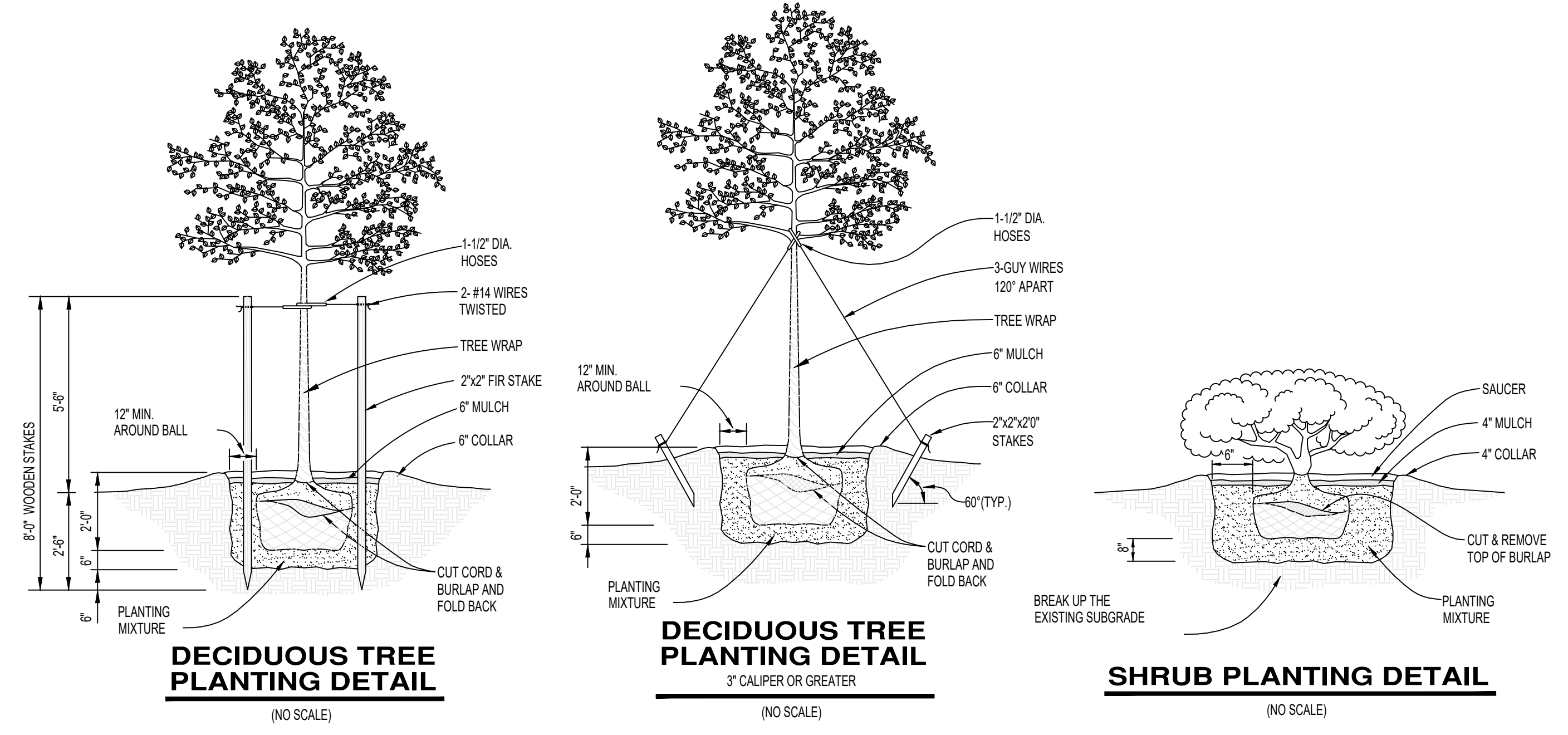


SAMPLE IMAGE

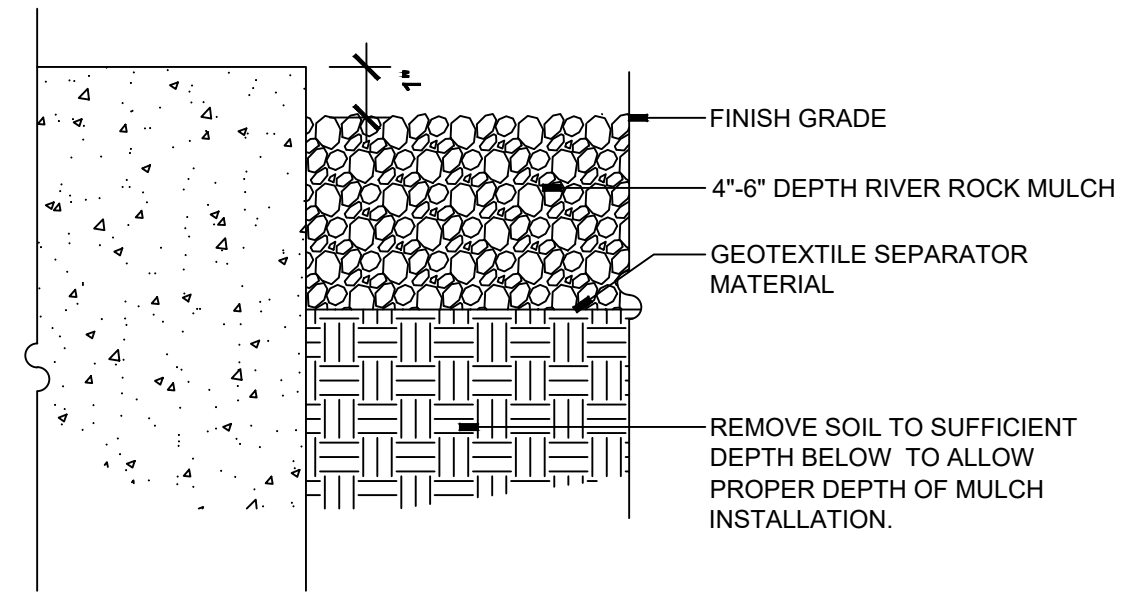


4/LS101 wall mounted bench detail

TIMBERFORM GREENWAY  
 MODEL NO. 2144-6  
 WALL-MOUNT SEAT

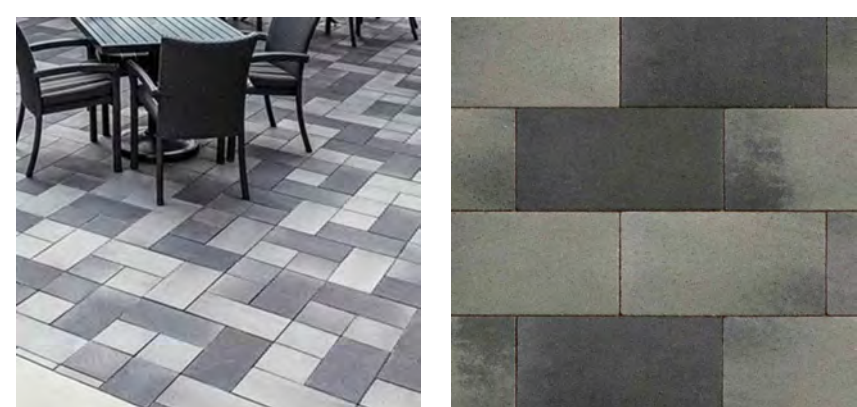


5/LS101 planting details



SAMPLE IMAGE

3/LS101 river rock mulch detail

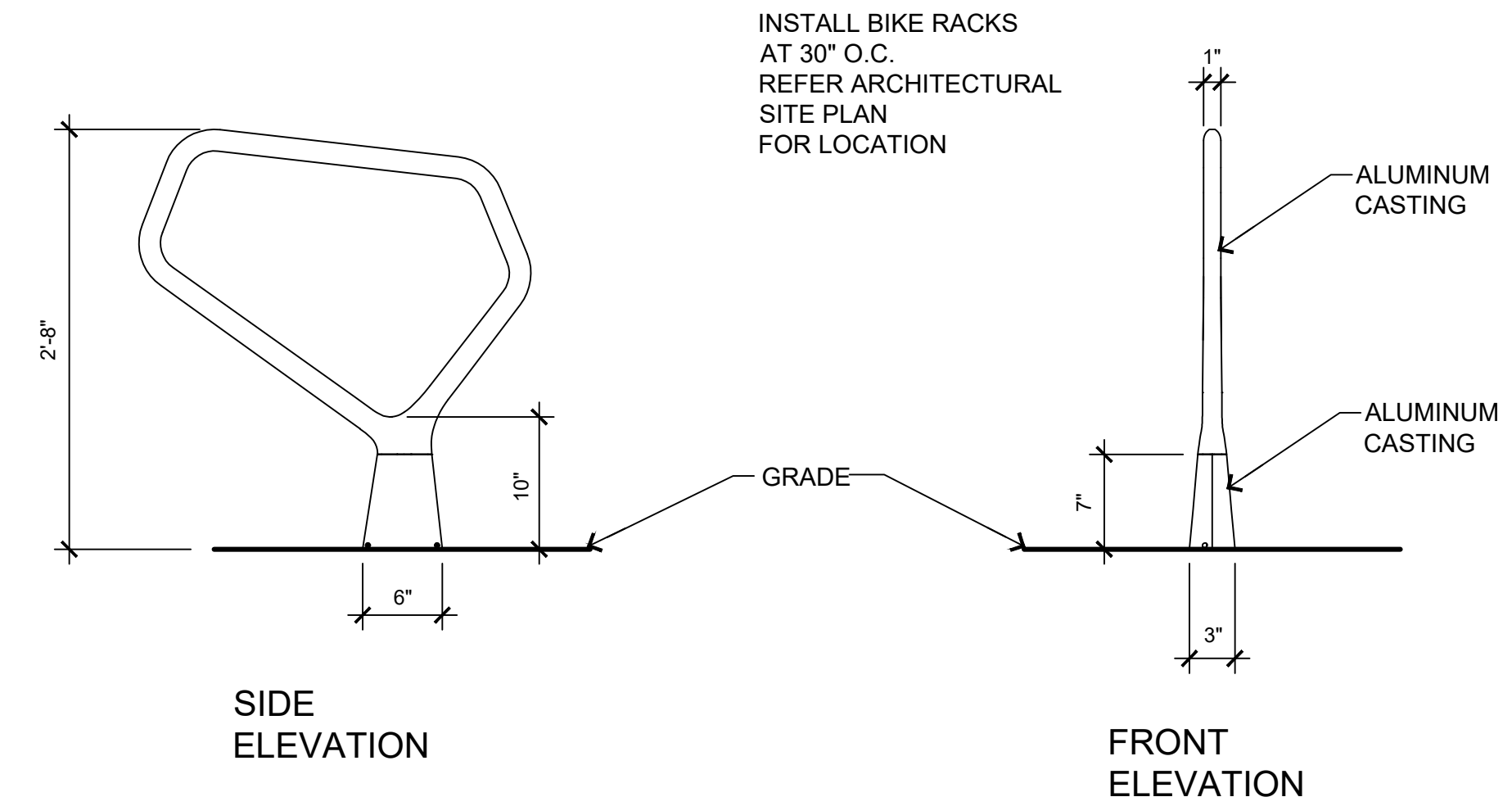
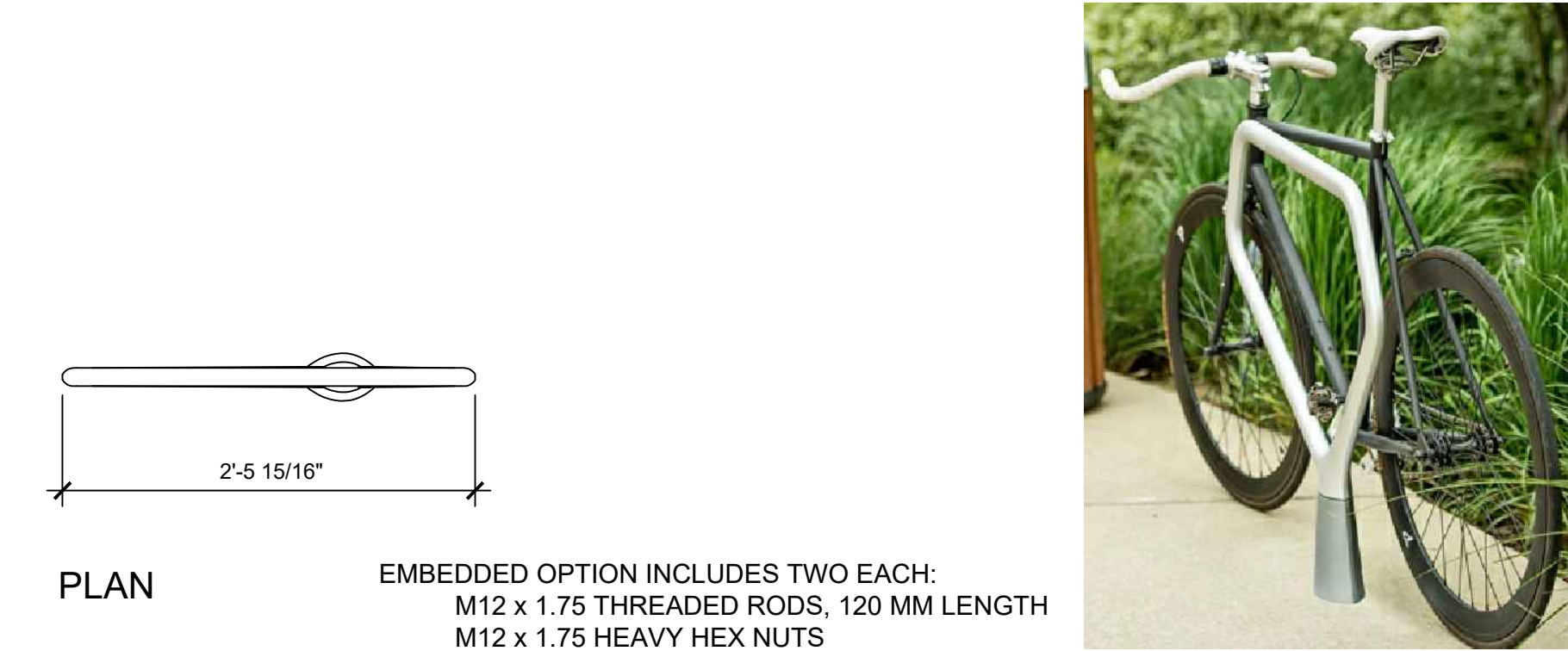


SAMPLE PATTERN

SWATCH

2/LS101 brick paver material and detail

UNILOCK: NUVOLA



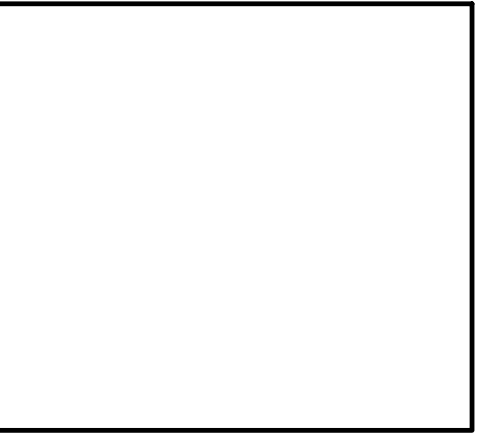
1/LS101 bicycle rack

LANDSCAPE FORMS: FGP BIKE RACK

SCALE: 1" = 1'-0"

PROJECT:	The Alexandrine Apartment 664-676 W. Alexandrine St. Detroit, MI 48201
CLIENT:	The Ferlito Group 440 Selden Street Detroit, MI 48201

HDC SUBMITTAL	03/22/21
DESCRIPTION	DATE



SHEET TITLE:	LANDSCAPE DETAILS
PROJECT NUMBER:	2019-130
DRAWN BY:	KMB
CHECKED BY:	--
SHEET NUMBER:	

**LS101**  
 Permit No.:

# The Alexandrine Apartments

The Ferlito Group

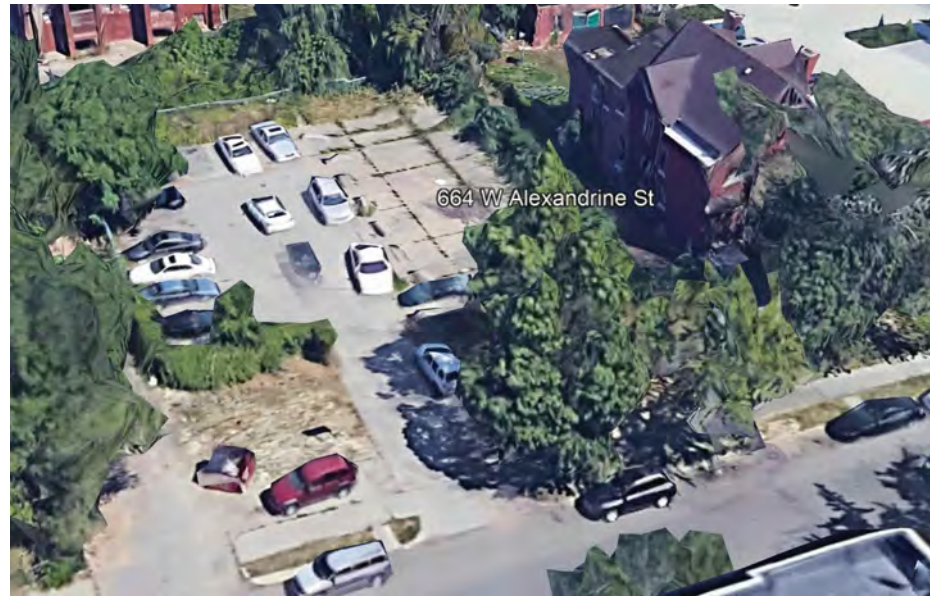
664-676 W. Alexandrine Street Detroit, Michigan 48201

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April 2021

Historic District Commission Submission



664-676 W Alexandrine St  
Existing Site Aerial



ZONING MAP



4100 3rd St



690 W Alexandrine St



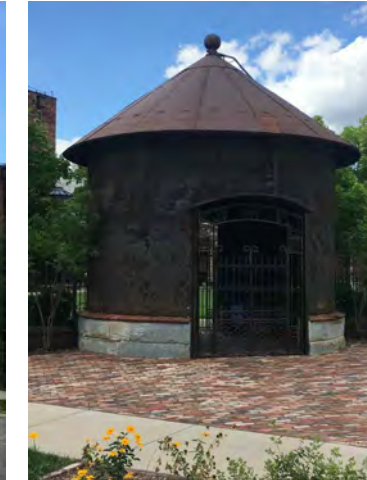
654 W Alexandrine St



640 W Alexandrine St



624 W Alexandrine St



4125 2nd Ave

STREET NORTH SIDE



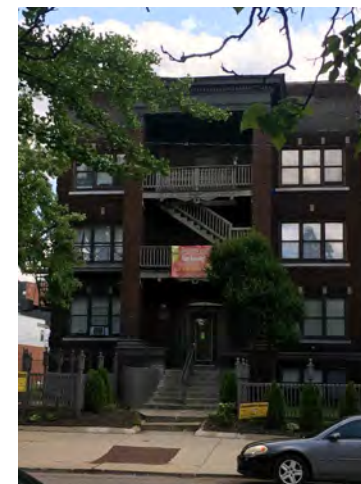
3977 2nd Ave (Alexandrine side)



627 W Alexandrine St



643 W Alexandrine St



667 W Alexandrine St

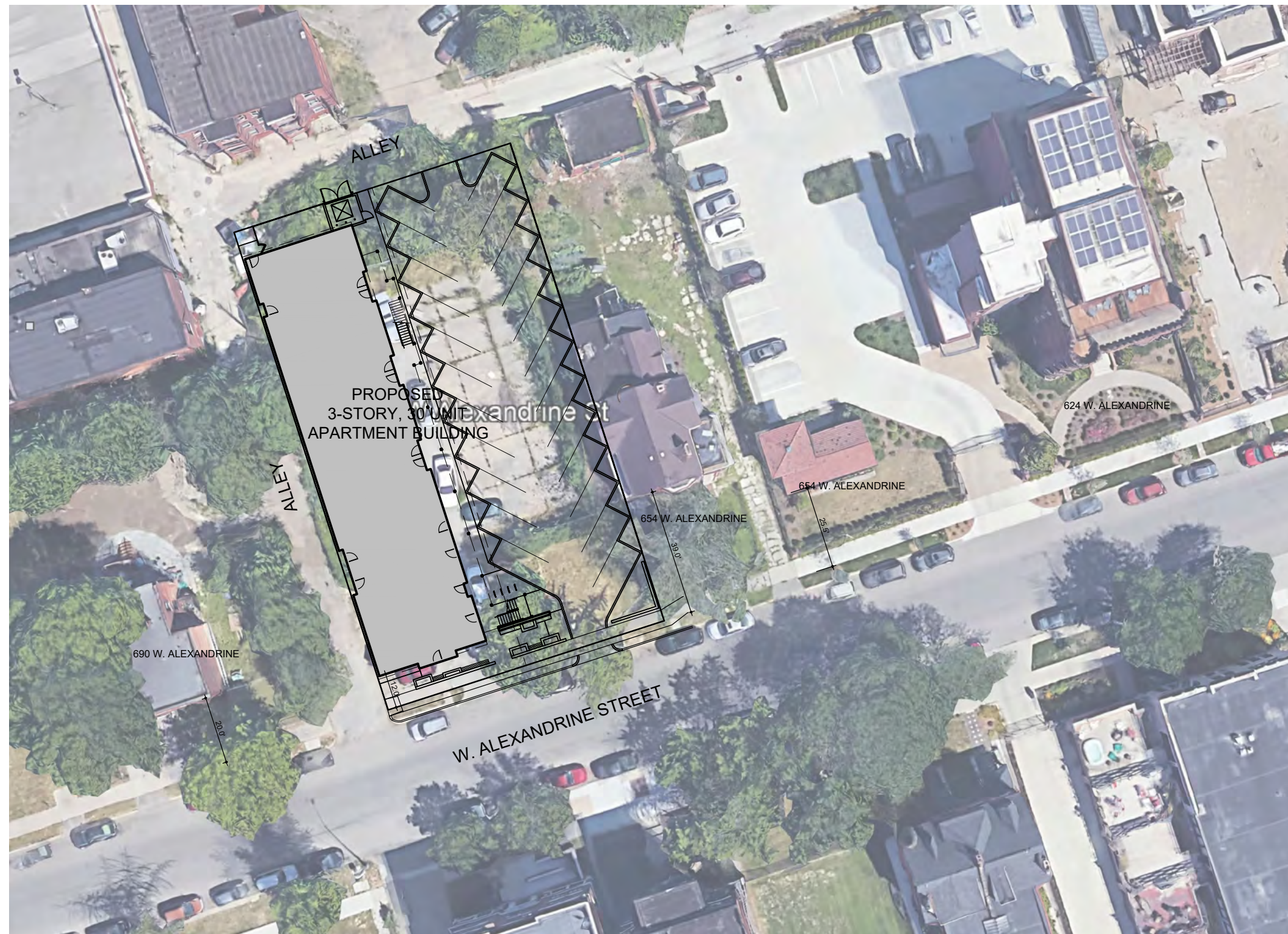


677 W Alexandrine St



711 W Alexandrine St

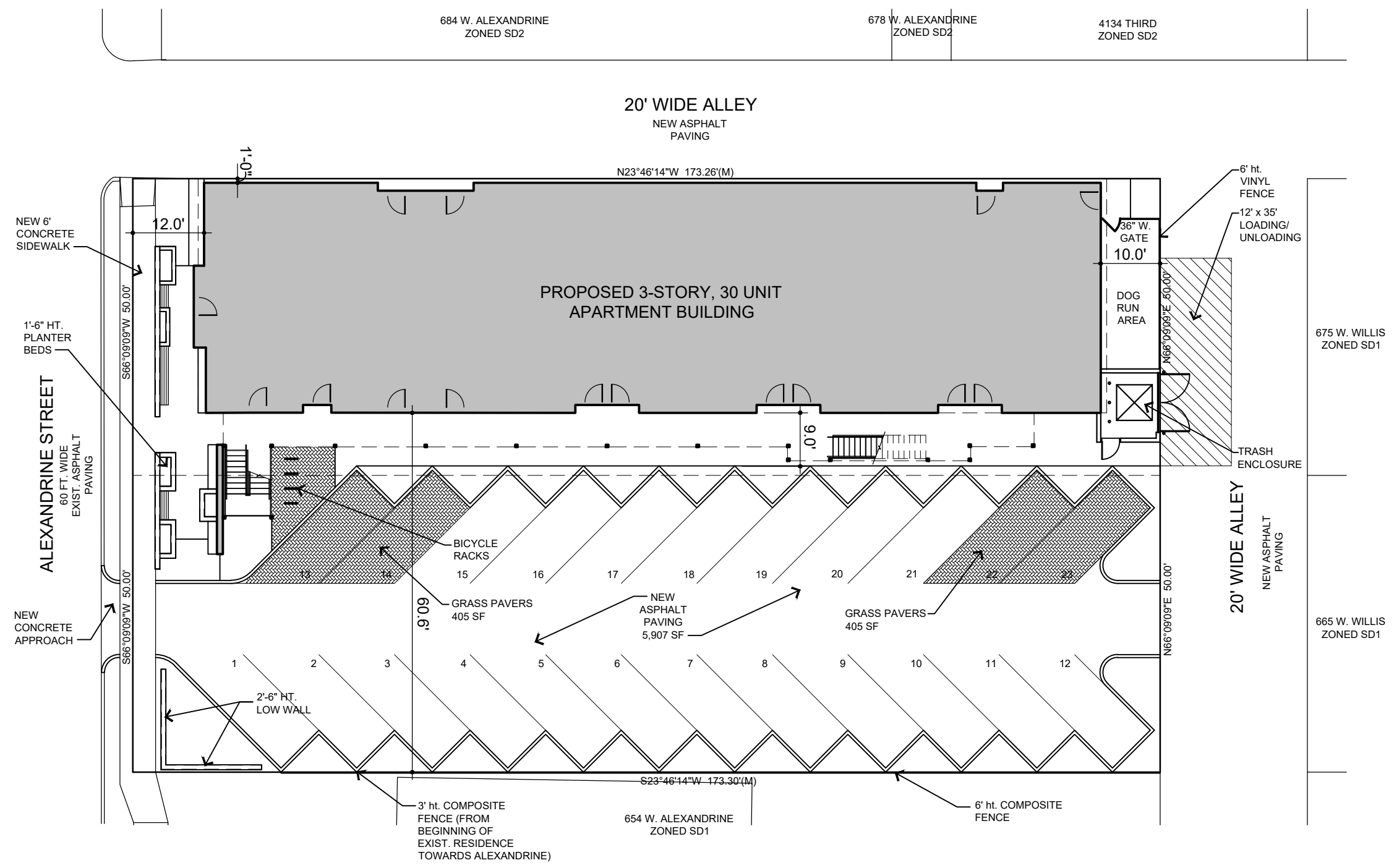
STREET SOUTH SIDE



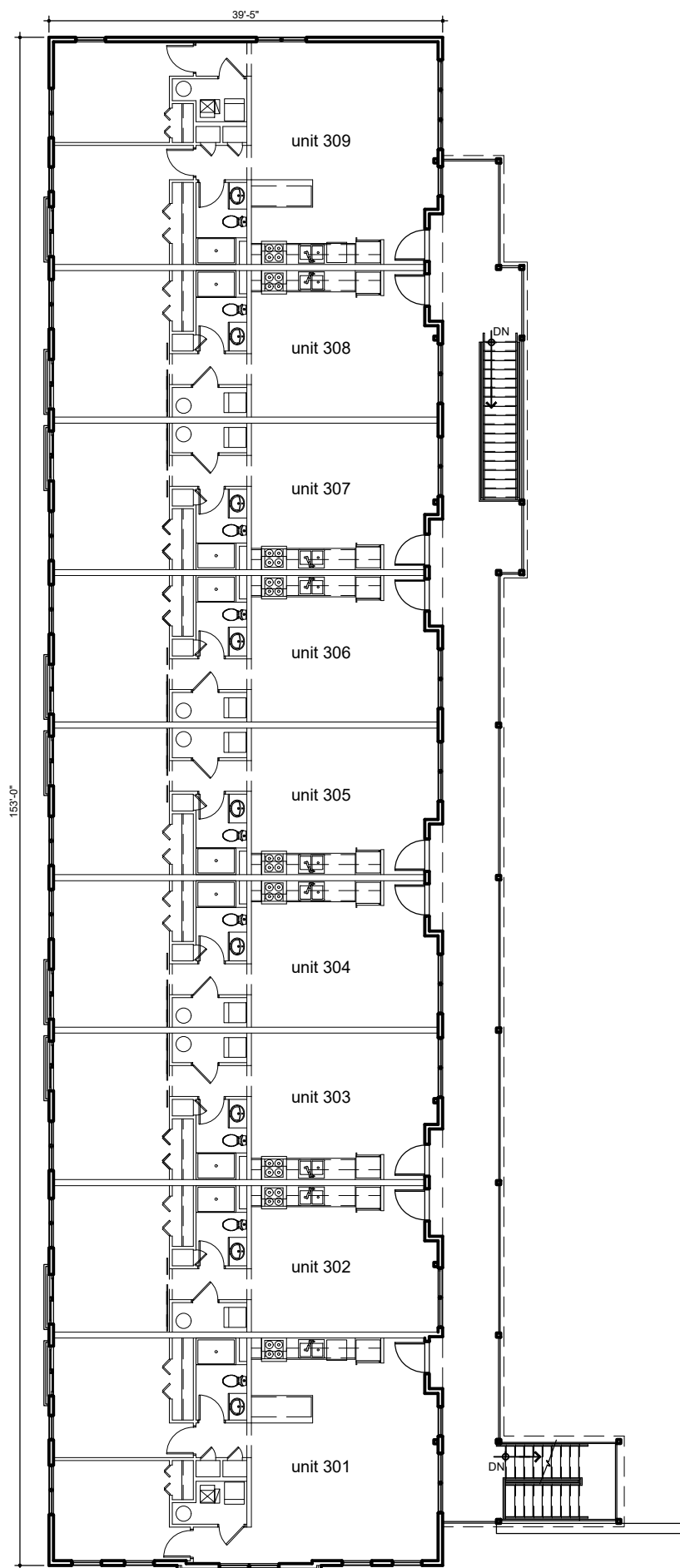
site context plan

**SITE CRITERIA:**

<p>PARCEL SIZE: 0.39 ACRES (17,300 SQUARE FEET) COMBINED PROPERTIES</p> <p>ZONING: SD1(SPECIAL DEVELOPMENT DISTRICT, SMALL-SCALE) WILLIS-SELDEN LOCAL HISTORIC DISTRICT</p> <p>PROJECT: 30 UNIT, 3-STORY APARTMENT BUILDING</p> <p>BUILDING HEIGHT MAXIMUM- 35' HT. PROVIDED - 3 STORIES, 33.0' HT.</p> <p>FRONT SETBACK REQUIRED - 0' MINIMUM FROM R.O.W. LINE PROVIDED - 20' FROM R.O.W. LINE</p> <p>REAR SETBACK REQUIRED - 10' MINIMUM PROVIDED - 10.0'</p> <p>WEST SIDE SETBACK REQUIRED - 0' MINIMUM PROVIDED - 1.0'</p> <p>EAST SIDE SETBACK REQUIRED - 0' MINIMUM PROVIDED - 60.5'</p>	<p>REQUIRED PARKING REQUIREMENTS: MULTIPLE-FAMILY DWELLING, WHERE LOCATED WITHIN 0.50 MILES OF A HIGH-FREQUENCY TRANSIT CORRIDOR 0.75 SPACES PER DWELLING UNIT (30 x 0.75 = 22.5 SPACES) TOTAL SPACES REQUIRED = 23 SPACES</p> <p>PROPOSED PARKING PROVIDED: 23 SPACES INCLUDING (1) ADA SPACE</p> <p>RECREATIONAL SPACE REQUIREMENTS REQUIRED: MINIMUM RECREATIONAL SPACE= GSF x REC. SPACE RATIO 17,744 GSF x 0.07 = 1,240.0 SF</p> <p>PROVIDED: FRONT: 1,033 SF REAR : 222 SF TOTAL: 1,255 SF</p>	<p>STUDIO UNITS: 5 STUDIO ADA UNIT: 1 1 BEDROOM UNITS: 19 2 BEDROOM UNITS: 4 LIVE/WORK UNIT: 1 TOTAL UNITS: 30</p> <p>BUILDING SQUARE FOOTAGE LEVEL 1: 5,794 GSF LEVEL 2: 5,975 GSF LEVEL 3: 5,975 GSF TOTAL : 17,744 GSF</p>
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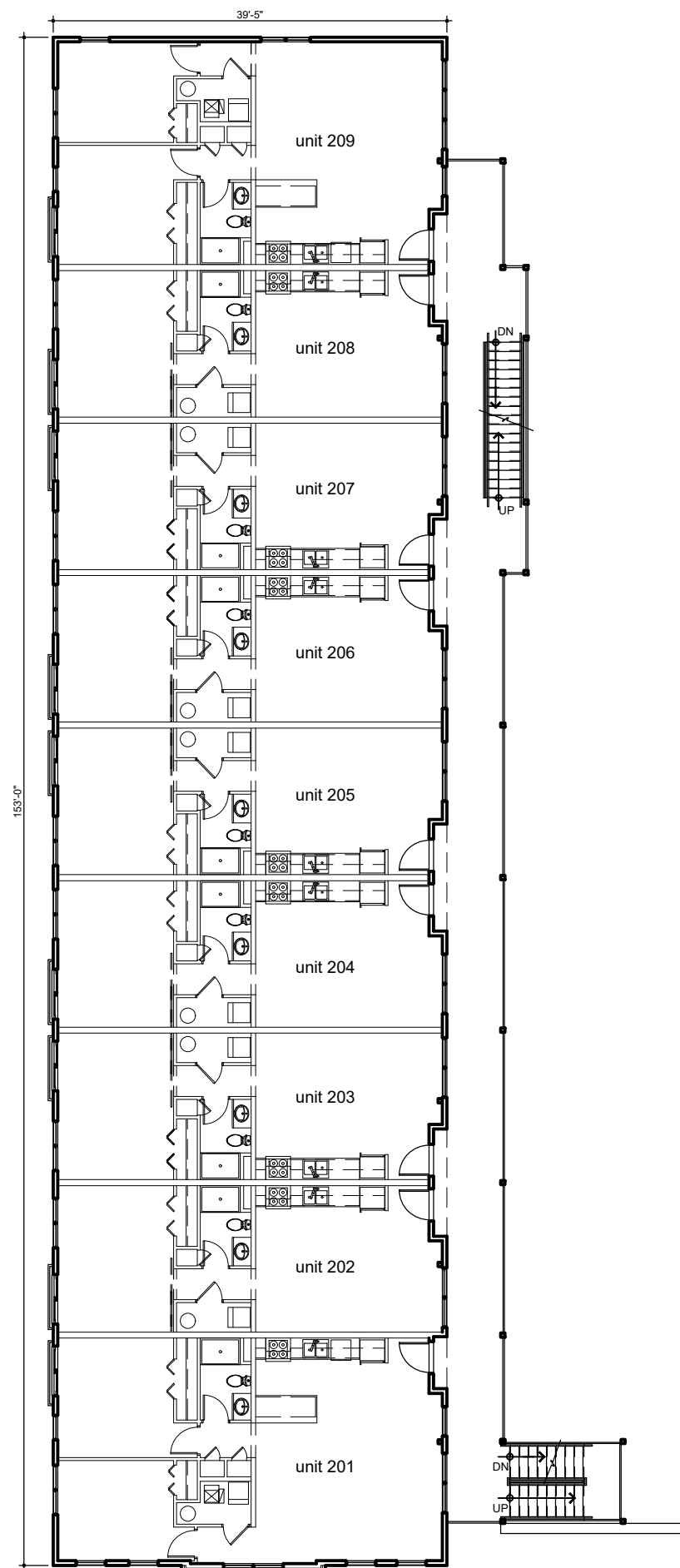


architectural site plan



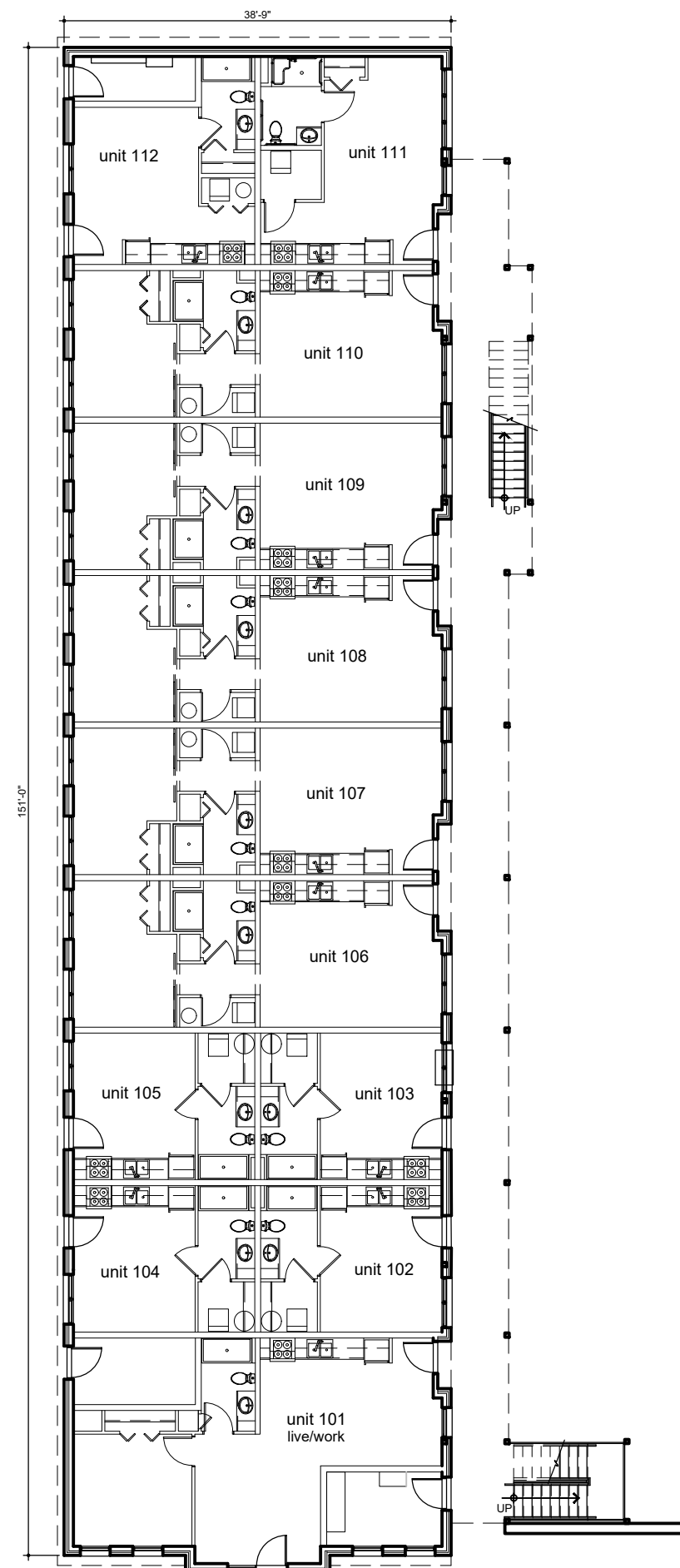
1 BEDROOM UNITS: 7  
 2 BEDROOM UNITS: 2  
 TOTAL: 9

level 3 floor plan



1 BEDROOM UNITS: 7  
 2 BEDROOM UNITS: 2  
 TOTAL: 9

level 2 floor plan



STUDIO UNITS: 5  
 1 BEDROOM UNITS: 5  
 STUDIO ADA UNIT: 1  
 LIVE/WORK UNIT: 1  
 TOTAL: 12

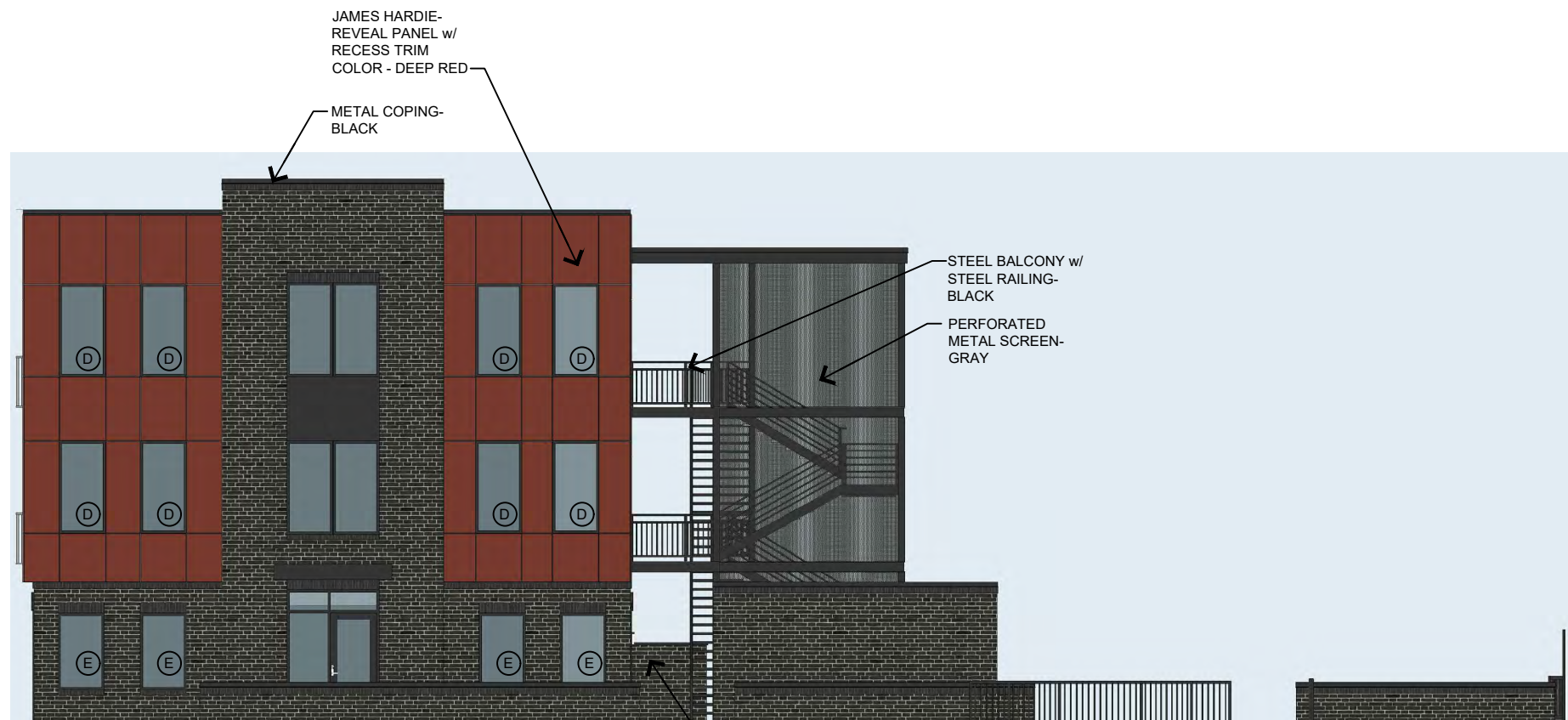
level 1 floor plan





# EXTERIOR ELEVATIONS

3/32" = 1'-0"



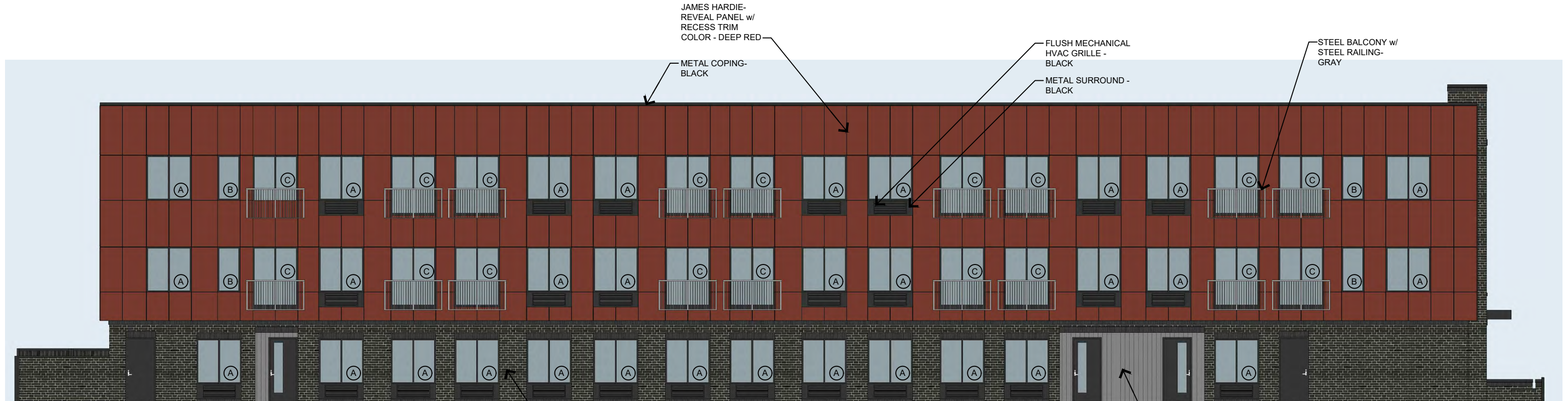
southeast (front) elevation

## WINDOW TYPES

TAG	SIZE	TYPE
A	5'-0"x5'-0"	SLIDER
B	2'-6"x5'-0"	CASEMENT
C	5'-0"x6'-8"	SLIDING DOORWALL
D	3'-0"x6'-0"	CASEMENT
E	3'-0"x5'-0"	FIXED
F	6'-0"x6'-0"	SLIDER
G	6'-0"x6'-6"	FIXED/AWNING
H	3'-0"x6'-6"	FIXED/AWNING
I	6'-0"x5'-0"	SLIDER
J	9'-0"x6'-6"	FIXED/AWNING
K	9'-0"x5'-0"	TRIPLE SLIDER



hvac ventilation louver at window  
FLUSH (NON-PROJECTING) ALUMINUM - BLACK

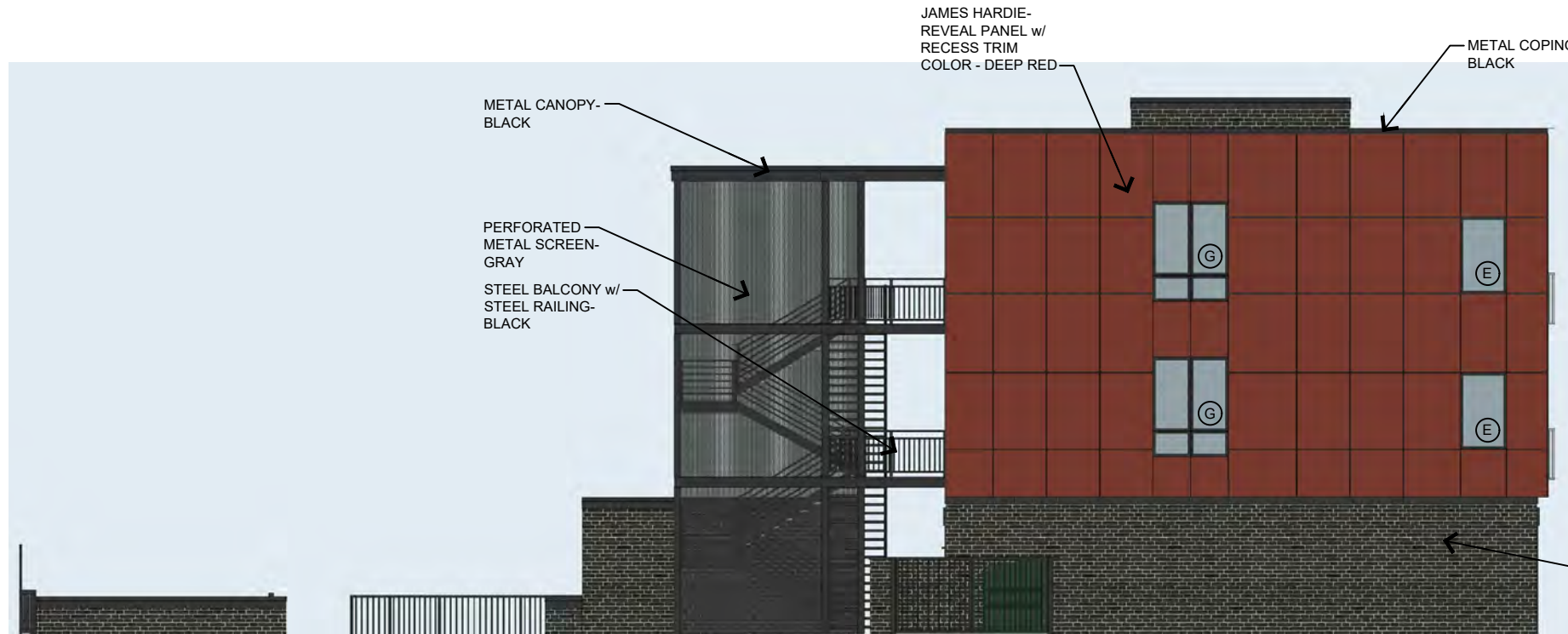


southwest (side alley) elevation

METAL VERTICAL SIDING- HARRYWOOD BY MAC COLOR - TBD (TYPICAL AT ALL UNIT ENTRY RECESSES)

# EXTERIOR ELEVATIONS

3/32" = 1'-0"



METAL CANOPY-  
BLACK

PERFORATED  
METAL SCREEN-  
GRAY  
STEEL BALCONY w/  
STEEL RAILING-  
BLACK

JAMES HARDIE-  
REVEAL PANEL w/  
RECESS TRIM  
COLOR - DEEP RED

METAL COPING-  
BLACK

### WINDOW TYPES

TAG	SIZE	TYPE
A	5'-0"x5'-0"	SLIDER
B	2'-6"x5'-0"	CASEMENT
C	5'-0"x6'-8"	SLIDING DOORWALL
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F	6'-0"x6'-0"	SLIDER
G	6'-0"x6'-6"	FIXED/AWNING
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I	6'-0"x5'-0"	SLIDER
J	9'-0"x6'-6"	FIXED/AWNING
K	9'-0"x5'-0"	TRIPLE SLIDER

BRICK VENEER  
FACING - GLEN-GERY  
CHARCOAL (S85)



dwelling unit entry light fixture  
GLACIER INTEGRATED LED WALL  
LIGHT BY ARTIKA



hvac ventilation louver at window  
FLUSH (NON-PROJECTING) ALUMINUM - BLACK

northwest (rear alley) elevation



METAL CANOPY-  
BLACK

STEEL BALCONY w/  
STEEL RAILING-  
BLACK  
METAL COPING-  
BLACK

METAL VERTICAL SIDING-  
HARRYWOOD BY MAC  
COLOR - TBD  
(TYPICAL AT ALL UNIT  
ENTRY RECESSES)

PERFORATED  
METAL SCREEN-  
GRAY

FLUSH MECHANICAL  
HVAC GRILLE -  
BLACK

METAL SURROUND -  
BLACK

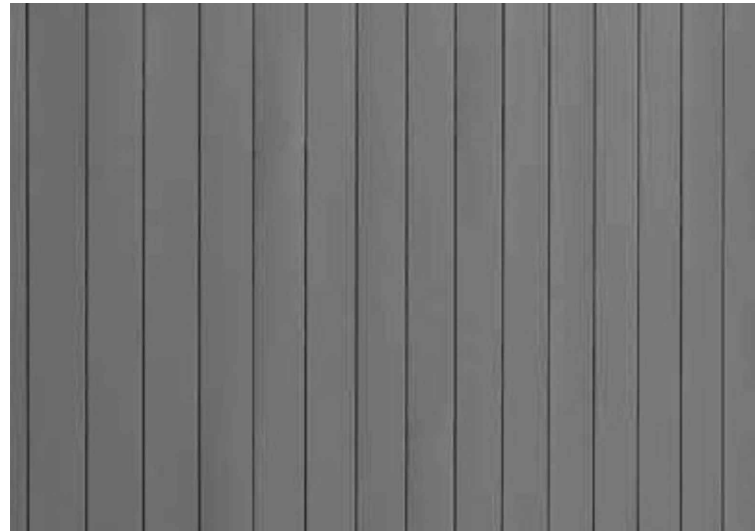
JAMES HARDIE-  
REVEAL PANEL w/  
RECESS TRIM  
COLOR - DEEP RED

northeast (right) elevation

BRICK VENEER  
FACING - GLEN-GERY  
CHARCOAL (S85)

ST'L. BEAM  
COLOR - BLACK

ST'L. COLUMN  
COLOR - BLACK



VESTA STEEL  
PLANK SIDING-  
IRONSTONE  
AT UNIT ENTRY  
ALCOVES



MCNICHOLS  
EXPANDED METAL  
MESH FOR STAIRWELL  
SCREENING



JAMES HARDIE-  
REVEAL PANEL w/  
RECESS TRIM  
COLOR - DEEP RED



steel egress balcony /  
roof coping / windows /  
doors



dwelling unit entries  
THERMA TRU  
FIBERGLASS DOOR PANEL



BRICK VENEER FACING -  
GLEN-GERY CHARCOAL



juliet balcony

accent color palette  
All materials to be of a non-reflective, matte  
finish

dwelling unit windows  
QUAKER WINDOWS  
ALUMINUM CLAD

### main building color palette

All materials to be of a non-reflective, matte  
finish



684 W. Alexandrine

Ferlito Group - Alexandrine Apartments  
664-676 W. Alexandrine

654 W. Alexandrine

640 W. Alexandrine

street south elevation



view from the southeast

Alexandrine Apartments  
664-676 W. Alexandrine Street  
Historic District Commission Submittal



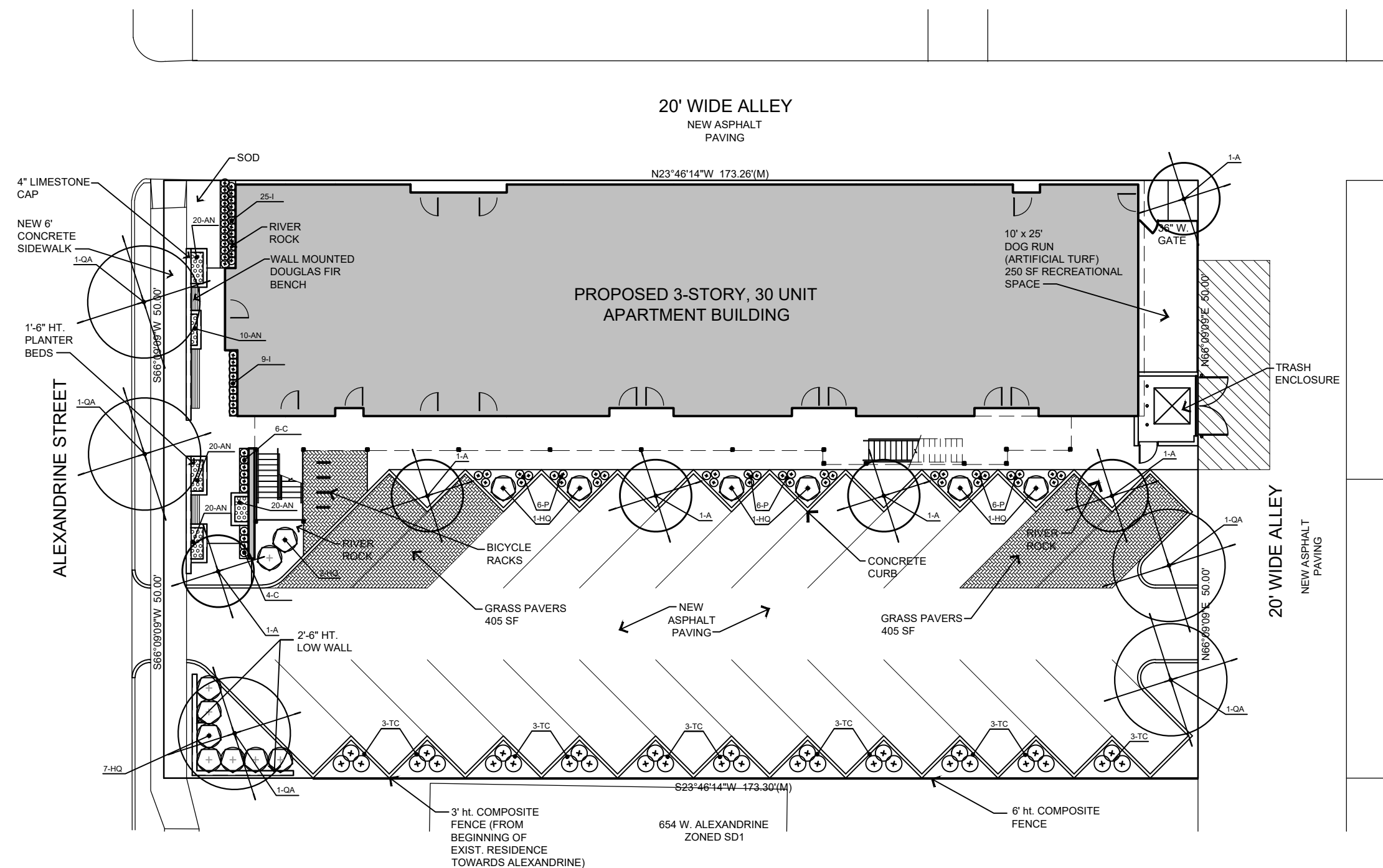
view from the southwest

Alexandrine Apartments  
664-676 W. Alexandrine Street  
Historic District Commission Submittal

PLANT LIST						
SYM.	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	COMMENTS
A	6	Amelanchier laevis	Allegheny Serviceberry	10' Ht.	B&B	Multistem
AN	90	Annuals	Annuals	24 Cell	Flat	Plant 6" O.C.
C	10	Calamagrostis 'Cheju-Do'	Dwarf Feather Reed Grass	1 Gal.	Container	Plant 36" O.C.
HQ	15	Hydrangea quercifolia	Oakleaf Hydrangea	24"-30"	Container	Plant 48" O.C.
I	34	Imperata Cylindrica 'Rubra'	Japanese Red Baron Blood Grass	1 Gal.	Container	Plant 18" O.C.
P	30	Panicum Virgatum	Switch Grass	1 Gal.	Container	Plant As Shown
QA	5	Quercus alba	White Oak	3" Cal	B&B	Plant As Shown
TC	33	Taxus cuspidata 'Monloo'	Emerald Spreader Japanese Yew	24"-30"	B&B	Plant 36" O.C.

**IRRIGATION:**  
ALL LANDSCAPED, ROW AND SODDED AREAS TO BE IRRIGATED BY AN AUTOMATIC SPRINKLER SYSTEM.

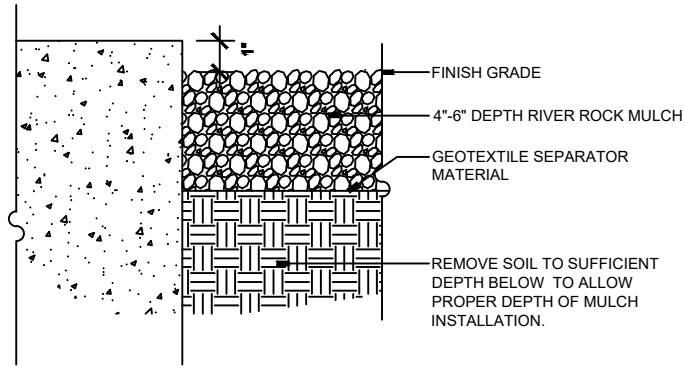
**INTERIOR LANDSCAPESPACE REQUIREMENTS**  
REQUIRED:  
(25-100 SPACES) 18 SF PER PARKING SPACE  
23 PARKING SPACES x 18 SF = 414 SF  
AND 2 SHADE TREES  
  
560.1 SF PROVIDED WITH 3 SHADE TREES



landscape plan



SAMPLE IMAGE



3/LS101 river rock mulch detail



SAMPLE PATTERN



SWATCH

2/LS101 brick paver material and detail

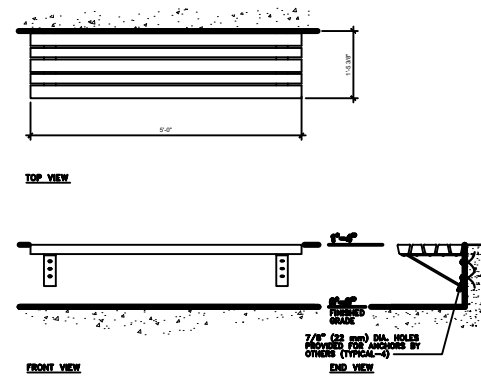
UNILOCK: NUVOLA



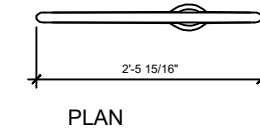
PRODUCT IMAGE

wall mounted bench detail

TIMBERFORM GREENWAY  
MODEL NO. 2144-6  
WALL-MOUNT SEAT



AVAILABLE IN 6' (SHOWN) NOMINAL LENGTHS.  
OTHER LENGTHS AVAILABLE UPON REQUEST.



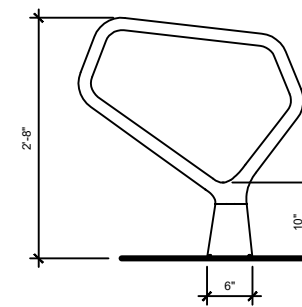
PLAN



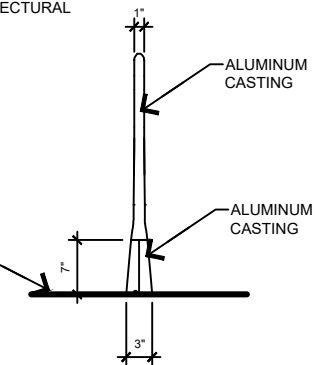
PRODUCT IMAGE

EMBEDDED OPTION INCLUDES TWO EACH:  
M12 x 1.75 THREADED RODS, 120 MM LENGTH  
M12 x 1.75 HEAVY HEX NUTS  
M12 FLAT WASHERS  
ALL CARBON STEEL WITH MAGNI-COAT

INSTALL BIKE RACKS  
AT 30' O.C.  
REFER ARCHITECTURAL  
SITE PLAN  
FOR LOCATION



SIDE ELEVATION



FRONT ELEVATION

bicycle rack  
LANDSCAPE FORMS: FGP BIKE RACK





ASPYRE  
COLLECTION  
by **JamesHardie** ®

Distinctive design engineered to last

Product Catalog



INTRODUCING THE  
ASPYRE COLLECTION  
BY JAMES HARDIE®

Artisan Shiplap Siding and  
Reveal Panel with Reveal Surround Trim

# REVEAL

Panel System™



# SHAPE

WHAT'S NEXT

## The Reveal® Panel System

expands modern design options with smooth, thick panels plus multiple trim and fastener products.



Reveal Panel and  
Reveal Recess Trim

## REVEAL® RECESS TRIM

- Provides clean, sharp shadow lines for a simple aesthetic
- Gives a sense of lightness to modern architecture



**Reveal Recess Trim**  
Available primed



**Reveal™ Countersunk Fasteners\***  
Compatible with primed panels

## REVEAL® SURROUND TRIM

- Boldly frames the smooth, flat Reveal Panel
- Accentuates the modern industrial look



**Reveal Surround Trim**  
Available in primed, clear anodized finish  
or with ColorPlus® Technology finishes\*\*



**Reveal™ Exposed Fasteners\***  
Stainless steel  
Available in primed, clear anodized finish  
or with ColorPlus® Technology finishes\*\*

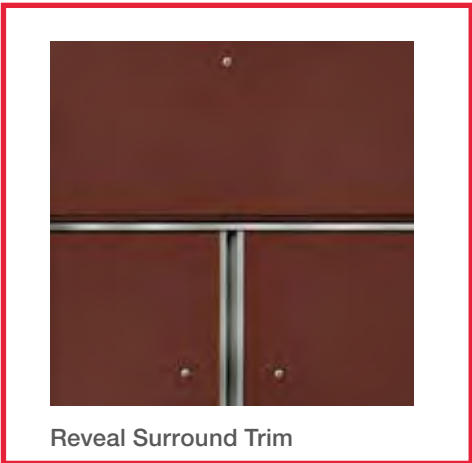
\*Can be used with either Reveal Recess Trim or Reveal Surround Trim.

\*\*Talk to your local rep about ColorPlus Technology availability in your market.

# CREATIVITY IS IN THE DETAILS



Reveal Recess Trim



Reveal Surround Trim



Reveal Surround Trim



Reveal Exposed Fasteners



Reveal Countersunk Fasteners

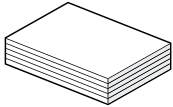

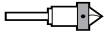
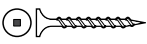
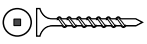


Customizable system allows you to mix and match compatible components.





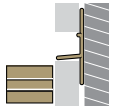
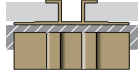
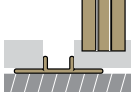
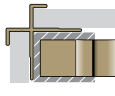

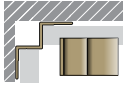

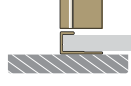
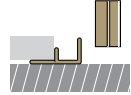
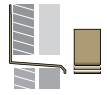
Reveal Panel and Reveal Recess Trim



Reveal Panel and Reveal Surround Trim

Reveal® Panel	
	<p>Thickness 7/16 in Width 47.5 in Length 95.5 in</p> <p>Available with ColorPlus® Technology finishes*</p>
Reveal Fastening Products	
	<p><b>Countersunk Filler</b> Filler usage rate for countersunk fastening application, 1 box of filler per 1 pallet (40 sheets) of Reveal Panels</p>
	<p><b>Countersinking Bit</b> Usage rate for countersunk fastening application, 1 unit per 1 pallet (40 sheets) of Reveal Panels</p>
	<p><b>Countersunk Fasteners for Wood</b> 1 5/8 in length x 0.39 in HD, 316 SS, Bugle Head Square Drive</p>
	<p><b>Countersunk Fasteners for Steel</b> 1 5/8 in length x 0.39 in HD, 410 SS, Bugle Head #2 Square Drive</p>
	<p><b>Exposed Fasteners for Wood</b> 1.5 in length x 0.189 in x 0.472 in HD, 10-12 SS, T20W Torx Pan Head</p>
	<p><b>Exposed Fasteners for Steel</b> 1.125 in length x 0.169 in x 0.472 in HD, T20W Torx Pan Head Self-Drilling</p>

## ADD DEFINITION TO YOUR DESIGN

Reveal® Recess Trim Length 8 ft	Reveal® Surround Trim Length 8 ft
	
<b>Outside Corner Trim</b>	<b>Horizontal Trim</b>
	
<b>Horizontal Trim</b>	<b>Vertical Trim</b>
	
<b>Vertical Trim</b>	<b>Outside Corner Trim</b>
	
<b>Drainage Flashing Trim</b>	<b>Inside Corner Trim</b>
	
<b>Horizontal Edge Trim</b>	<b>J Channel Trim</b>
	
<b>Vertical F Trim</b>	<b>Drainage Flashing Trim</b>

\*Talk to your local rep about ColorPlus Technology availability in your market.

The Aspyre Collection by James Hardie™  
expands your creative possibilities



ASPYRE  
COLLECTION  
by JamesHardie®

[aspyredesign.com](http://aspyredesign.com)

Artisan V-Groove Siding

VĚSTĀ™  
SPACE REDEFINED







## SHIPLAP LOVE



### VESTA EMBRACES THE DEPENDABLE, LONG- STANDING CONFIGURATION OF SHIPLAP WITH ITS COMMITMENT TO SMART, ENDURING DESIGN, CLEAN PROFILE, AND RELENTLESS PERFORMANCE AGAINST THE ELEMENTS.

For the past few years, our team at Quality Edge (QE) has been inspired and challenged by shiplap. Vesta embraces the dependable, long-standing configuration of shiplap with its commitment to smart, enduring design, clean profile, and relentless performance against the elements.

For hundreds of years, shiplap has brilliantly defended Nordic ships from the seas, coastal structures from the salty winds, and family

homes from ruthless weather environments. The typically wide, wooden shiplap is created by tightly fitting each timber together to make a continuous plank. These strong joints create a seal that stands up to all climate and weather conditions. The same joint that makes true shiplap weather-tight is what makes the style perfect for protecting a home.

With precision, Vesta reinvents the smooth, impervious joint of shiplap using modern metal—exchanging wood decay with eternal, indelible steel and giving architectural design a new classic silhouette. Building on the industry desire for a sleek, plank design with the performance of steel siding, Vesta has arrived to give your home a fresh new look.

Mark Bredewig is known for his engineering innovation and design savvy, and his craftsmanship and artistry have matured over the past 15+ years. The balance of innovation, engineering and design for which he is known came to life with Vesta.

## THE ARTFUL EXTERIOR



**MARK BREDEWEG**  
Industrial Design Engineer

“STAY CURIOUS.  
WHAT CHALLENGES YOU  
DEFINES YOUR PROCESS  
AND INSPIRES SOLUTIONS.”

**Q** What was your inspiration in creating and developing Vesta?

**A** I was looking for something different from common siding profiles, but I also did not want to compromise on performance. That’s when I started researching shiplap.

The distinguishing patterns (known as variegation) of real wood shiplap were what inspired me. My goal was to find a hand-drawn pattern that could mimic the real wood effect paired with a much stronger material—steel.

**Q** Knowing the challenges designers face when creating a new product, what kind of obstacles did you encounter?

**A** Just like fingerprints, each natural wood-cut panel is original in tone and grain variances, and can be even more particular in structure per species of wood. That uniqueness is a hard thing to recreate. After examining countless woodgrains, I decided we would need to draw and engineer our own design to capture the beauty of natural woodgrain.

Tricolor paint application was where we landed. Real woodgrains have highlights, mid-tones and dark grain structures. In order to achieve a similar grain effect, we implemented a new HD3 painting process, something never done before, which gave the realistic look I wanted up close and at long distances.

**Q** Was that enough to get the look the way you wanted it, or did the process evolve further from there?

**A** I knew pretty early on that one hand-drawn woodgrain would not be enough to save the design from predictable repeats and muddled striping. I began thinking through what it would be like to include a group of unique wood planks for each color to achieve the seemingly random, variegated look I was inspired by.

I started drawing and didn’t stop. I ended up hand-drafting six individual woodgrain prints per color. Each is tonally and structurally unique, but similar enough that they harmonize when stacked together. Between design, testing product parts and fine-tuning woodgrain prints on the paint lines, the final product with its six variegated planks staggered up on a wall is stunning.

The whole process taught me to stay curious. What challenges you defines your process and inspires solutions. Keep asking questions, and you’ll find the answers.



Air circulation is vital to structural fitness. Vesta engineering allows precise, healthy airflow without compromising needed defense from weather assaults, while providing nonstop underlayment defense where you need it most. You can breathe easier knowing your siding is too.



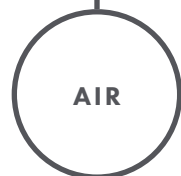
Vesta is uncompromising against moisture. Long, narrow stacking seams form a flat, element-resistant surface. Interlocking channels divert moisture away from seams, warding off any threat from water.



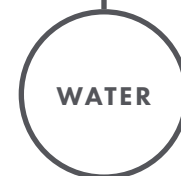
## SUSTAINABLE DESIGN



Vesta steel is the fusion of iron and carbon, natural elements at home in our earth. It is planet-loving and 100% recyclable, and throughout the recycling process, Vesta steel enjoys strength beyond that of all other metals.



From the fires of the forge, steel is born to defend your home against anything Mother Nature can throw at it. With its Class A fire rating, Vesta is noncombustible and fire-resistant. Because of Vesta's rigorous testing, you can feel safe and at ease, knowing your home is protected.



**VARIEGATED PANELS**



**HD3 WOODGRAIN**

**SUNMASTER PAINT SYSTEM**

**THE PROFILE**

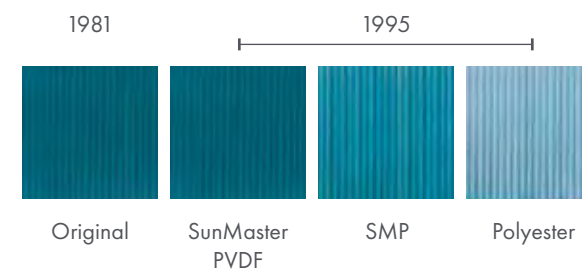


**ENDURING BEAUTY**

**WHY NOT JUST ONE**

Each color consists of six unique grain configurations designed to resemble the natural variation of stained woods that results when several features interact, including irregular grain, rays and color deposits on the surface of wood. And like real wood, it looks great up-close and at a distance.

**BEAUTIFUL FOR GENERATIONS**



SunMaster PVDF coating is a thermally set paint system that creates a thick film barrier, providing excellent resistance against wear, fade and chalking. After a 14-year outdoor exposure study,\* the PVDF paint system looked virtually new. With our lifetime warranty, you are assured Vesta will always look as good as the day it was installed.

Note: Woodgrain colors have a SunMaster70™ coating, and solid colors have a SunMaster50® coating.

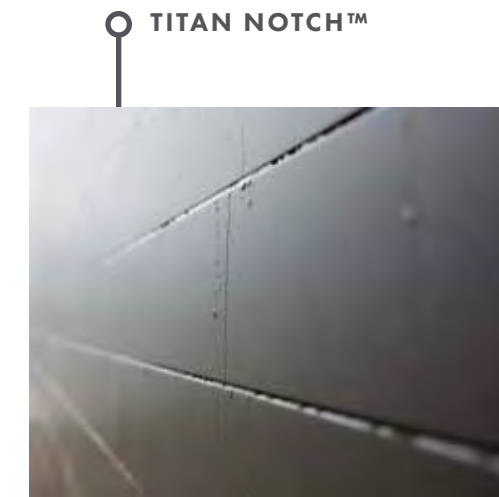
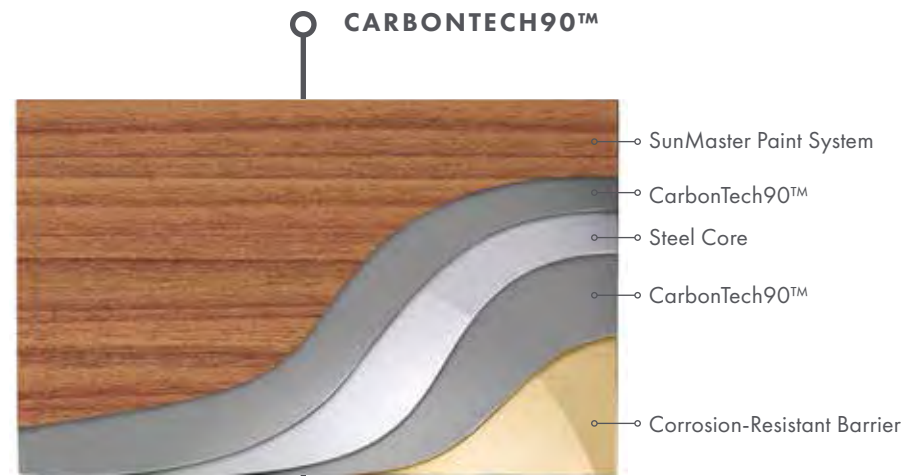
\*Image source: Valspar PVDF Paint vs. SMP and other coatings.

**STYLE IN EVERY DIRECTION**

Vesta's patent-pending profile supports vertical and horizontal installation to accentuate any home—from siding to underdecking to porch ceiling and soffit. Staggered or structured seaming for varied texture and mix-and-match woodgrains offer limitless applications.

**THREE WAS THE MAGIC NUMBER**

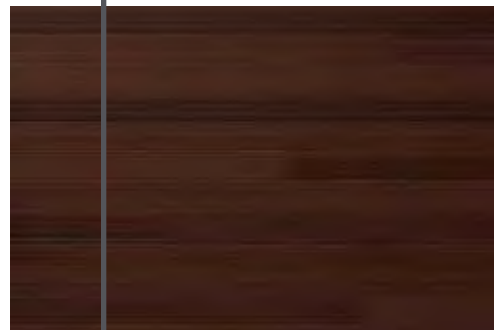
HD3 is our patent-pending, high-definition, tricolor paint application that captures light, medium and dark woodgrain details, creating a multidimensional and naturally accurate look. Touching it is the only way to know it is steel.



**SUNMASTER PAINT SYSTEM**

**STACK-LOCK™ INSTALL**

# FEEL-GOOD PERFORMANCE



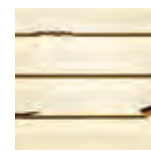
- VESTA**
- Wear-Resistant
  - Mold-Resistant
  - Low Thermal Conductivity
  - No Off-Gassing
  - Fire-Rated

**LAYERING IS IN**

Every square inch of Vesta is protected by CarbonTech90™, a metallurgically bonded zinc barrier that permanently and sacrificially seals it from the environment which prevents corrosion, galvanization and rusting.



**REAL WOOD**  
Peeling, Rotting, Pests, Mold



**VINYL**  
Cracking, Fading, Mold, Melting, Off-Gassing



**FIBER CEMENT**  
Cracking, Fading, Off-Gassing

**LOOKS COOL, KEEPS YOU COOL**

Not only does SunMaster keep your home looking good, it also provides excellent resistance against wear, abrasion and mold. SunMaster possesses low thermal conductivity, saving you from spiking seasonal energy bill costs and the desaturating effects of UV damage. With zero off-gassing properties and the ability to self-extinguish from fire, Vesta is technologically engineered to weather the most unpredictable situations life can invent. Vesta is peace of mind.

**COME RAIN OR SHINE**

Vesta is engineered to provide a triple-threat weather defense. First, long, narrow stacking seams form a flat, element-resistant surface. Second, built-in breathing ducts promote air circulation between joint seams and behind the building surface. And finally, interlocking pieces form element-tested channels designed to divert moisture out of and away from the surface seams.



**EASY DOES IT**

Vesta's stacking panels provide a consistent reveal whether installed vertically or horizontally. Stacking panels are specially contoured to provide swift and gap-free assembly.



IRONSTONE



## THE LOOK

- Vesta Plank in Ironstone
- Vesta Plank as porch ceiling and siding in Gilded Grain
- Fascia, drip edge and window trim in Black





THE PERFECT COMBINATION

CITYLINE



- Structural Performance
- Thermal Performance
- Sound Performance
- IDEA Essentials

*OPTICORE TECHNOLOGY DESIGN*

OptiCore Technology™ is Quaker's Patent Pending design technology that allows a single framing system to offer both a wood or aluminum interior and generate performance, thermal and STC that set it apart from other wood, aluminum and even vinyl windows thermally.

AMBERLINE

YOUR

CHOICE



# WOOD

## *Wood Windows That Endure*

The TimberLine Wood Window Series truly is the evolution of wood windows. Specially designed and engineered to create a long-lasting, window that offers the beauty of wood in combination with advanced OptiCore Technology that ensures superior thermal and structural performance while offering a myriad of IDEA options for your home.



*Wood Interior  
Architectural Grade Aluminum Exterior*

# ALUMINUM

## *The Evolution Continues*

The CityLine Series of windows provides a unique balance of strength, energy, innovative design and . By leveraging our years of advanced architectural design, engineering expertise and manufacturing capabilities we are able to deliver the next generation of thermally enhanced residential architectural grade aluminum windows featuring OptiCore technology.



*Architectural Grade Aluminum Interior  
Architectural Grade Aluminum Exterior*

# ***STRONG. BEAUTIFUL. ENERGY EFFICIENT.***

## CityLine and TimberLine Windows

All this and more can be yours with the CityLine and TimberLine Series of Windows featuring OptiCore Technology from Quaker. So many options with so many different design possibilities.

### ***Superior Structural Performance***

Quaker CityLine and TimberLine windows offer superior structural performance. For homeowners,

challenge in the past was that they had to compro-

that offered strength and durability. The same was

selecting windows. Now, compromise is eliminated with OptiCore Technology enhanced windows.



### ***Advanced Thermal Performance***

than it has ever been. Lower fuel bills, healthier environment with the reduction in greenhouse gas emissions, better home insulation, tax credits and

TimberLine windows provide superior thermal performance,

### ***Excellent STC-Sound Performance***

fect your comfort levels and even your sleep patterns. One of the easiest ways to reduce outside noise pollution and afford you more inside sound privacy is with Quaker windows featuring OptiCore technology. Our windows help to create a more comfortable and healthier environment for you and your family by offering a variety of glass packages designed to reduce sound transmitted through your windows.



# CITYLINE



# *IDEA ESSENTIALS*

Innovative Design Enhanced Adaptability

## CityLine and TimberLine Windows

The Quaker IDEA Essentials offer you

without compromising strength, durability or . Wood or Aluminum Interior. Aluminum exterior. Different colors. Imagine large beautiful rich looking wood windows on the interior of your home and sleek Agate Grey aluminum windows for the exterior. Or you may prefer New Bone White Aluminum windows on the interior and Moss Green Aluminum windows on the exterior. Whatever you envision, Quaker has the IDEA Essentials to turn it into reality.



## *Interior and Exterior Features*

Select a modern square or more traditional beveled glazing system with internal grids, or SDL "Simulated

style. For larger windows, OptiCore windows feature contemporary low

designed for maximum ease of operation.

## *Size and Combination Flexibility*

Assorted combinations and sizes offer you expansive views, more natural daylight and the ability to enjoy your outside environment year round from the comfort of your home. Quaker OptiCore windows feature larger size and combination options while maintaining the performance levels of a commercial rated architectural product.

## *Installation Options*

CityLine and Timberline windows offer a variety of labor saving installation options that can save you money, installation time and enhance the long lasting performance of your windows.

*\*Patent Pending*



# THE QUAKER DIFFERENCE FOR 70 YEARS

The Quaker Difference seal and promise is a standard of quality, engineering, craftsmanship and innovation that Quaker builds into every window and door. It is that attention to detail and manufacturing excellence that distinguishes Quaker from all other window and door companies in America. It is providing more than windows, it's providing the "Right Solution" for our customers.



**Aluminum Colors**  
34 Quick Pick Colors —  
11 Popular Colors, 16 Impressive  
Colors, 7 Resembles Colors and  
unlimited custom colors

**Wood Colors**  
Colors

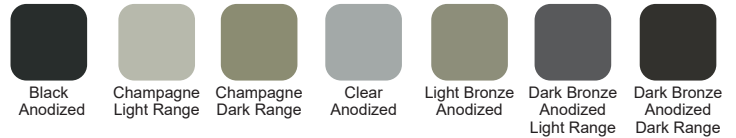
## POPULARS



## IMPRESSIVES



## RESEMBLES



\* Note: Although every effort is made, printed colors may not accurately reflect the actual paint color. For an exact color match, please contact your Quaker dealer for an actual color sample. Quaker does not assume any responsibility for any misrepresentations of our colors.



An American Company  
founded in 1949.



Learn more about  
Quaker Windows

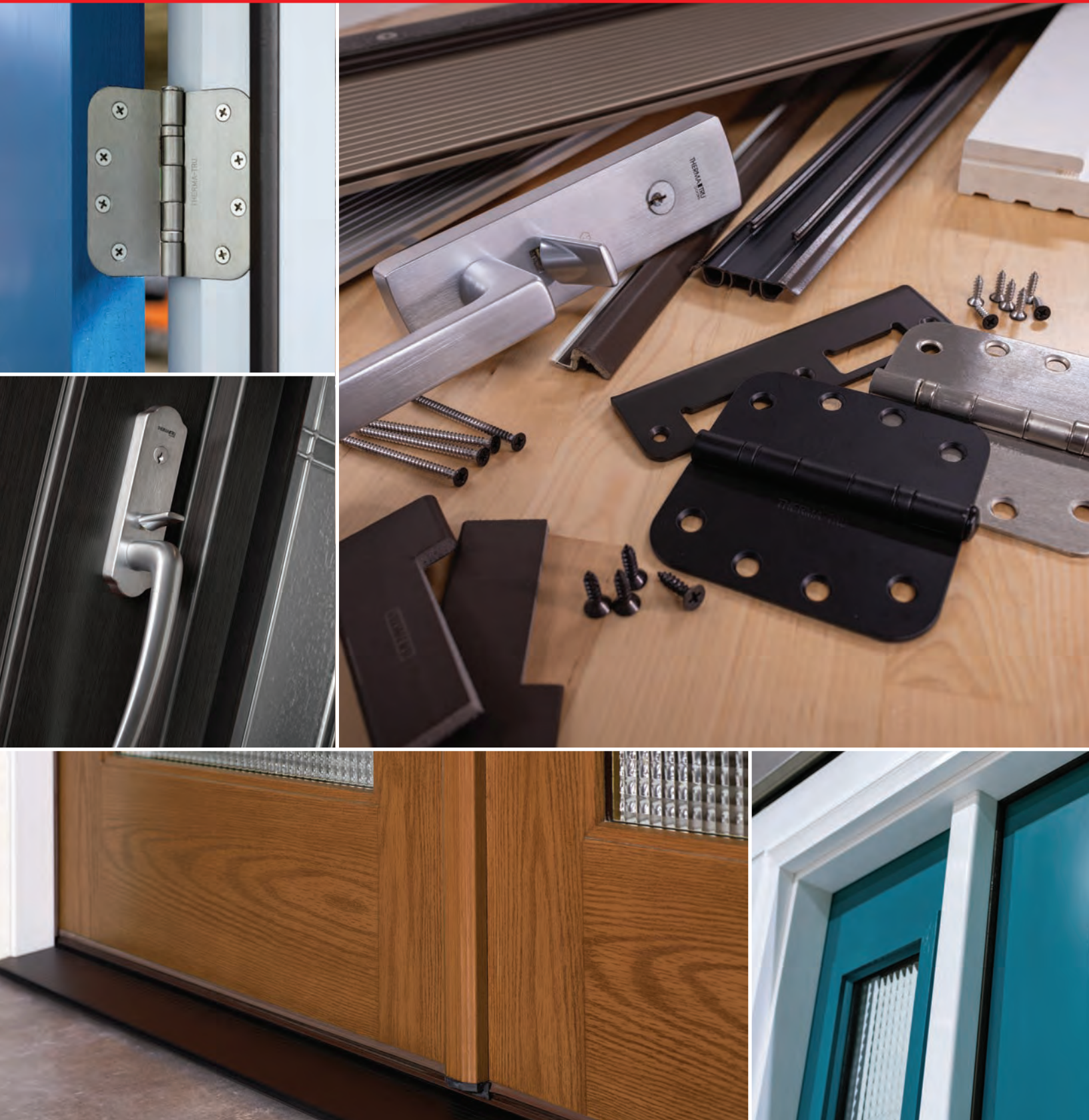


**QUAKER**  
RESIDENTIAL WINDOWS & DOORS

www.QuakerResidentialWindows.com  
www.QuakerWindows.com  
1-800-347-0438

# A Complete Door System

**THERMA TRU**  
DOORS

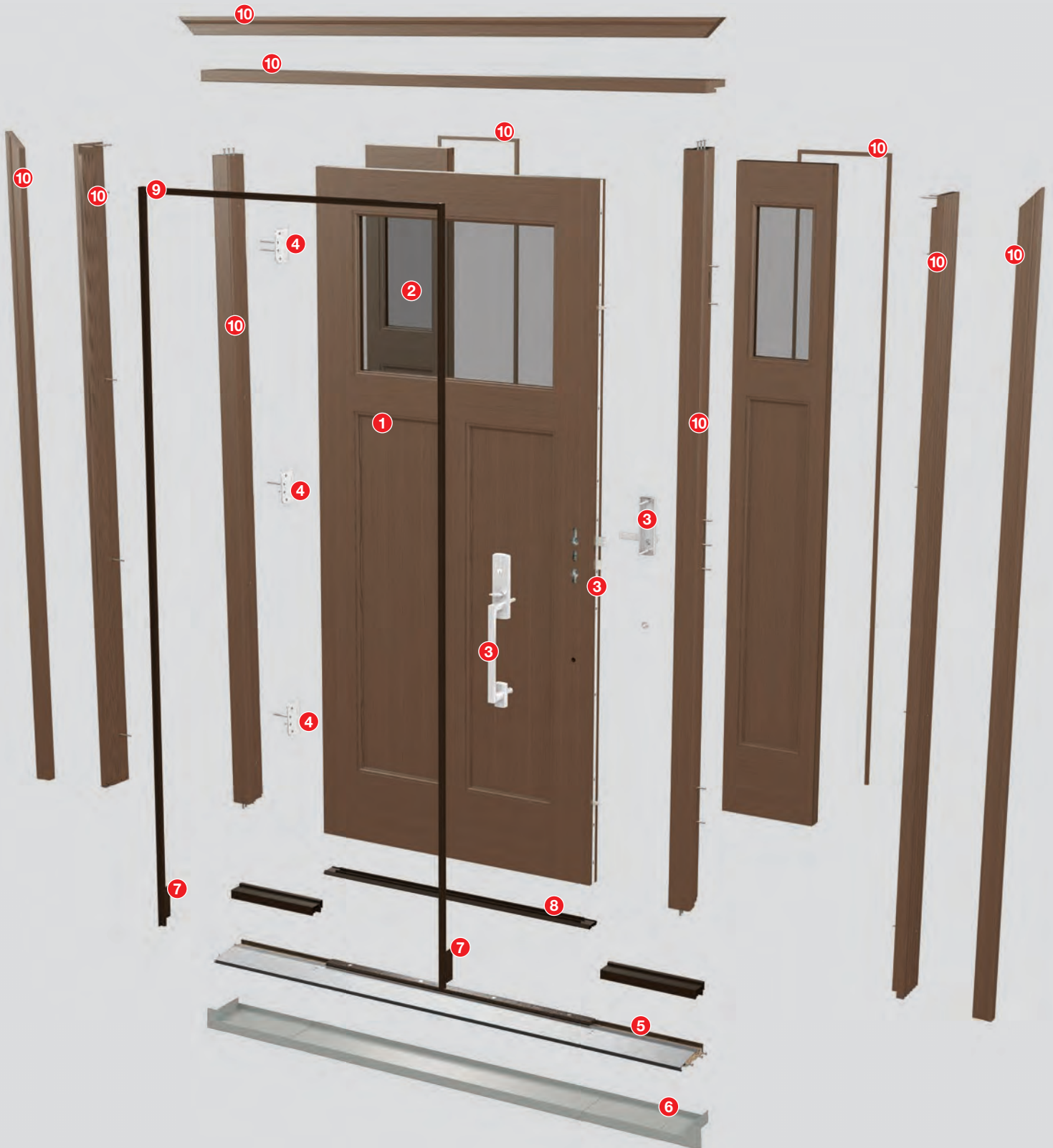


Uncompromising quality, inside and out.

# Engineered to work together.

A Therma-Tru® door system with genuine Therma-Tru components is engineered with craftsman precision to help provide weather resistance and energy efficiency. So when a homeowner chooses a complete Therma-Tru door system, you can be confident it will perform as exceptionally as it looks.

Therma-Tru specifies all of the components to work together at the most critical points where an ordinary door system's performance can fail, letting in air and moisture.





# A Complete Door System



**1 Fiberglass Door Panel**  
Delivers years of low-maintenance durability. Unlike wood, fiberglass will not warp or rot. Unlike steel, it will not dent or rust.



**7 Corner Seal Pads (Inswing Only)**  
Fit securely behind the weatherstrip to help block wind-driven moisture infiltration at the bottom corner of the door system.  
**More on page 20.**



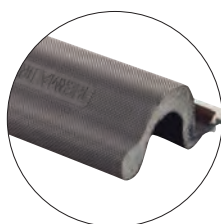
**2 Glass**  
Welcomes natural light into the home and is available in a variety of styles, many featuring triple-pane construction.



**8 Bottom Sweeps (Inswing Only)**  
A dual-bulb, dual-fin design helps maintain tight contact with adjustable sill caps and creates added barriers against moisture.  
**More on pages 15–17.**



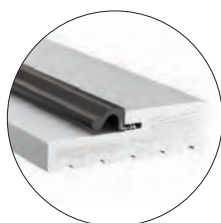
**3 Multi-Point Locking System (Recommended)**  
Engages the door and frame at three points from top to bottom for enhanced sealing and security.  
**More on pages 22–24.**



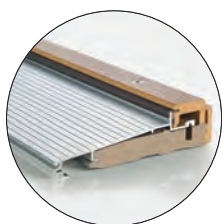
**9 Weatherstrip**  
Features a resilient design to help deliver a precise seal between the door and frame.  
**More on page 21.**



**4 Hinges**  
Ensure smooth operation and position the door so it creates a tight seal with the weatherstrip when closed.  
**More on page 19.**



**10 Composite Door Frame\***  
Provides a rot-free solution that delivers extra protection from the damaging effects of moisture.  
**More on pages 10–13.**



**5 Sills**  
Provides a solid stepping surface and forms a tight seal at the bottom of the door system to help channel moisture away from the home.  
**More on pages 14–18.**



**Astragals**  
Cover the margin between double doors to help complete the seal against air and moisture infiltration, with aluminum construction for stability, holding power and durability.  
**More on page 25.**



**6 Sill Pan**  
Adds an extra layer of protection to help keep moisture away from the subfloor.  
**More on page 15.**

---

Need help determining which parts you need for your Therma-Tru door system?  
See pages 26–27 for more information.

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## Backed by our lifetime limited warranty.

We can stand behind more parts and for longer than most other door companies because we make or specify everything that goes into our door systems. The homeowner has one source, Therma-Tru, to turn to if an issue arises with the door system.<sup>1</sup> Other companies either don't warrant as many parts of the door system or warrant them for a shorter period of time. That could leave the homeowner without coverage and confused about who to turn to if issues arise.





## Warranty Coverage



	Door Panel	Glass & Lite Frame	Multi-Point Locking Mechanism <sup>2</sup>	Sill & Hinges <sup>2</sup>	Corner Seal Pads <sup>3</sup>	Bottom Sweep <sup>3</sup> & Weatherstrip <sup>3</sup>	Composite Door Frame*
<b>Therma-Tru. Classic Craft. 1x Transferable Lifetime Limited Warranty</b>	<b>LIFETIME</b> 1x Transferable	<b>LIFETIME</b> 1x Transferable	<b>LIFETIME</b> 1x Transferable	<b>LIFETIME</b> 1x Transferable	<b>LIFETIME</b> 1x Transferable	<b>LIFETIME</b> 1x Transferable	<b>LIFETIME</b> 1x Transferable
<b>Therma-Tru. Fiberglass Doors Lifetime Limited Warranty</b>	<b>LIFETIME</b>	<b>LIFETIME</b>	<b>LIFETIME</b>	<b>LIFETIME</b>	<b>LIFETIME</b>	<b>LIFETIME</b>	<b>LIFETIME +</b> 10 Year Transferable Warranty Rider
Other Fiberglass & Wood Door Companies' Warranties	1 Year–Lifetime	0–20 Years	0 Years	0 Years	0 Years	0 Years	0 Years–Lifetime

Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on ENERGY STAR qualified products and for details on limited warranties and exclusions.

\*See your Therma-Tru seller for details on product availability.

<sup>1</sup>Excluding improper assembly of components into a door system by the distributor, dealer, builder or remodeler, and the installation of the door system.

<sup>2</sup>Excluding installations within 5 miles of a body of salt water and the finish.

<sup>3</sup>Excluding normal wear and tear.



## Contributing to an energy-efficient home.



More than 80% of Therma-Tru® door and glass options are ENERGY STAR® qualified, contributing to an energy-efficient home. By helping to keep heating and air conditioning sealed in the house, a complete door system can provide a boost to home energy efficiency.

\*Manufacturer's Test Facility Quality Assurance Validation Program, Architectural Testing, Inc.  
Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on ENERGY STAR qualified products.

# Quality tested to meet tough expectations.

Genuine Therma-Tru® components are put through multiple rigorous tests to help ensure that they will live up to a homeowner's toughest quality and performance expectations. We even have our own engineering lab – approved to perform specific test methods with a third-party witness\* – as part of our ongoing commitment to ensuring that our products live up to our high standards for durability and reliability.

## Tested for endurance.



The door is opened and closed repeatedly. The slam test is performed to commercial standards (AAMA 920), which are stricter than residential requirements, to help ensure long-lasting durability and reliability.

## Tough when you need it.



A heavy object is repeatedly rolled back and forth over the sill. Our barrel roll test simulates moving household appliances in and out of the house on a dolly. This test helps ensure the long-lasting durability and reliability of our sills.

## Confidence on the coast.



Components are immersed in a simulated salt water fog. The salt fog immersion test (ASTM B117) simulates a highly corrosive atmosphere to help ensure that components with metal finishes resist corrosion.

## Strength in a hurricane.



Our Impact-rated doors pass a large missile impact test. We blast a 9 lb. 2" x 4" stud into the doors at 34 mph to prove they're the better choice for strength and stability.

## Ready for winter weather.



Exposing our glass to weather-like conditions helps verify that moisture and condensation will not get trapped inside.

## Superior sound dampening.



Therma-Tru Sound Transmission Class- (STC) rated Noise Reduction doors deliver aesthetics with a commercial level of performance for residential projects.

## Resists deterioration and color fading.



Components are subjected to accelerated amounts of UV (ultraviolet) light. Our QUV test helps ensure that weathersealing components and components with a colored finish resist deterioration and color fading with exposure to direct sunlight.

## High power testing.



Design Pressure (DP) ratings are based on a Therma-Tru door system's performance in Structural Wind Load. As an example: A DP-50 structural performance rating indicates that the door system has passed a structural test pressure of 75 lbs. per sq. ft. which is equal to a 165 mph wind.



# Tru-Defense® Warranty Rider


A Therma-Tru® door system with Tru-Defense system components is a high-performing door system backed by a lifetime limited warranty and a comprehensive Tru-Defense Warranty Rider.



## Tru-Defense: The Ultimate Protection

More than beautiful doors and glass; a complete door system includes the components used to assemble it. We manufacture or specify every aspect of a complete door system. The Therma-Tru® genuine components in a Tru-Defense door system are our premium options for long-lasting durability.

### Double Your Peace of Mind

When it comes to door systems, we believe that proper installation is just as important as having the best components. A Tru-Defense door system installed by a Therma-Tru Certified Door System Installer doubles your reimbursement eligibility should an issue arise.\* Look for the  icon.

**CERTIFIED**  
DOOR SYSTEM  
**INSTALLER**



\*The Rider does not warrant workmanship of anyone who assembles or installs a Tru-Defense door system, including Therma-Tru Certified Door System Installers, nor any damages caused by improper handling, assembly or installation.

\*\*See the Tru-Defense warranty rider for complete details on qualifying components.

\*\*\*Latch and deadbolt must meet Therma-Tru specifications.

Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on limited warranties and exclusions.

# Required Components for Tru-Defense Door System\*\* with Therma-Tru Fiberglass Door Slab & Components



**Door Frame** ✚  
Provides a solid structure for the door slab and components.  
Recommended: Therma-Tru Composite Door Frame



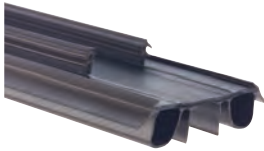
**Corner Seal Pads** ✚  
(Inswing Only)  
Fit securely behind the weatherstrip to help block wind-driven moisture infiltration at the bottom corner of the door system.



**Composite Adjustable Sill** ✚  
Provides a solid stepping surface and forms a tight seal at the bottom of the door system to help channel moisture away from the home.



**Weatherstrip** ✚  
Features a resilient design to help deliver a precise seal between the door and frame.



**Bottom Sweep** ✚ (Inswing Only)  
A dual-bulb, dual-fin design helps maintain tight contact with adjustable sill caps and creates added barriers against moisture.



**Astragal** ✚ (Double Doors)  
Cover the margin between double doors to help complete the seal against air and moisture infiltration, with aluminum construction for stability, holding power and durability.



**Hinges** ✚  
Ensure smooth operation and position the door so it creates a tight seal with the weatherstrip when closed.



**Rain Guard** ✚  
(Outswing Only)  
Creates a barrier at the top of the door to protect against moisture infiltration.

## Recommended Components



**Multi-Point Locking System** ✚  
(MPLS)  
Engages the door and frame at three points from top to bottom for enhanced security and sealing.

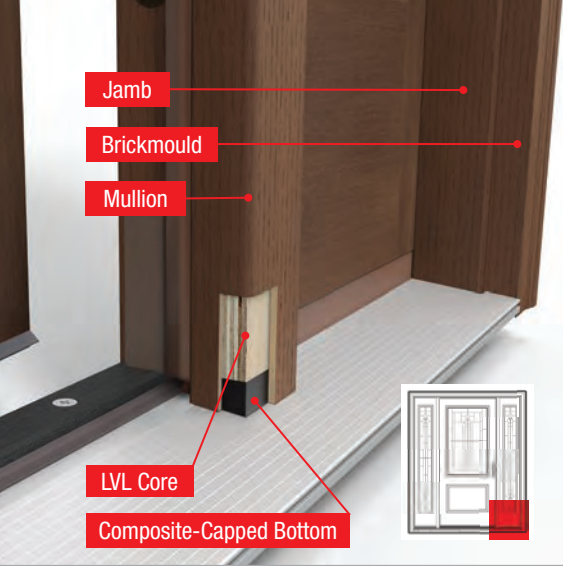


**Sill Pan** ✚  
Adds an extra layer of protection to help keep moisture away from the subfloor; protects flooring by catching and draining water in the event of infiltration.

### Levels of Reimbursement

System Components	Reimbursement Eligibility	NEW Reimbursement Eligibility with a Certified Installer
Latch & Deadbolt (No Sill Pan)**	\$250	\$500
Latch & Deadbolt with Sill Pan**	\$500	\$1,000
MPLS (No Sill Pan)	\$1,000	\$2,000
MPLS with Sill Pan	\$1,250 <b>New for 2021</b>	\$2,500 <b>New for 2021</b>

Baseline components required to qualify for the Tru-Defense Warranty Rider. Look for components with the ✚ icon.



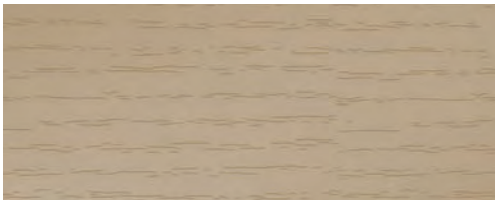
## Composite Door Frame\* featuring Tru-Guard™ Composite Technology

Therma-Tru® composite door frame featuring Tru-Guard™ composite technology provides a rot-free solution engineered to work together with rot-resistant Therma-Tru doors and components.

- Delivers extra protection from the damaging effects of outside elements for peace of mind.
- Eliminates the risk of rot and wood-ingesting insects with a durable composite material that is virtually maintenance free. Rot-free door frame does not absorb moisture and resists mold, mildew and fungus.

**TRU GUARD™**  
COMPOSITE TECHNOLOGY

### Available Textures



**Buff Grained**  Ready to finish.

- Features a universal wood grain to complement a wide range of grain species.
- Stain or paint to complement the entry – no sanding or priming required.



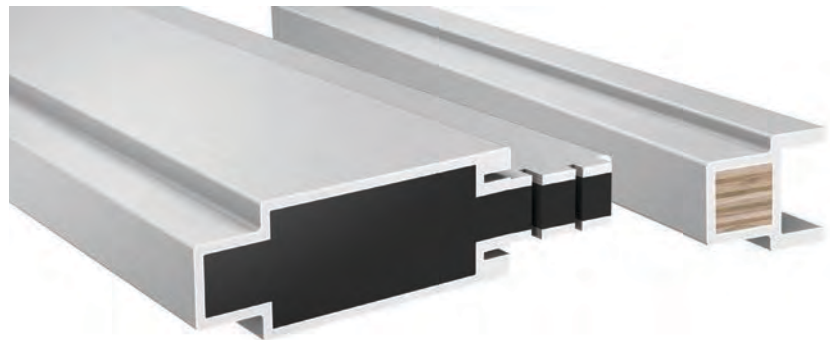
**White Smooth**  Ready to install.  
 Ready to finish.

- Features a matte finish similar to painted wood and includes a protective layer with UV inhibitors to help resist yellowing and fading.
- Ready to install as-is – no painting required. Or finish with stain or paint to complement the entry – no sanding or priming required.



### Reinforced Mullions

Provide additional structural support and stability. All mullions are reinforced with a co-extruded **A** LVL core to provide additional structural support and stability and feature a **B** composite-capped bottom to eliminate the risk of water absorption and maintain a rot-free composite exterior.



### **NEW** Storm Door-Ready Mullion & Adaptor

Innovative design helps reduce time, labor and inventory complexity while simplifying the storm door installation process.

- Storm door-ready mullion is available for common depths of 4-9/16" and 6-9/16".
- A storm door-ready mullion adaptor is also available for unique depths up to 7-9/16".

\*See your Therma-Tru seller for details on product availability.

Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on available product sizes and options, limited warranties and exclusions, and Rider.



Interior

Exterior



**1** Brickmould  
(Exterior)

**2** Jamb

**3** Mullions

**4** Cove Mould  
(Interior)

**5** Transom Sill  
(Exterior)

### Therma-Tru Products & Applications

Composite Door Frame  
+ Classic Craft® Door  
+ Components

Composite Door Frame  
+ Fiber-Classic®, Smooth-Star®,  
Pulse. Fiberglass Door + Components

Composite Door Frame Only

### Warranty

For First Homeowner



Frame + Door + Components



Frame + Door + Components



Frame Only

### Warranty Riders

Transferable 1x to Second Homeowner

Lifetime 1x Transferable  
Full-System Rider

Frame + Door + Components

10-Year Transferable  
Full-System Rider

Frame + Door + Components

# Therma-Tru® Composite Door Frame Parts

See your Therma-Tru seller for a full list of available product sizes and options.

## Jambs

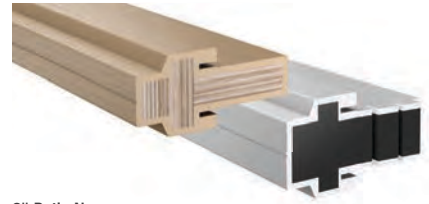


4-1/8"  
4-9/16"   
5-1/4"  
6-9/16"   
7-1/4"

## Mullions



2" Entry Narrow   
2-1/2" Entry Wide



2" Patio Narrow  
2-1/2" Patio Wide

## Trim



2" Brickmould WM180



1-5/8" Florida Brickmould WM176



**NEW SIZE**  
3-1/2" x 1" Flat Casing

## Mull Casing



1-15/32" x 1-1/16"



1-7/32" x 7/32"



2-15/16" x 1-1/16" *Buff grained only.*  
2-15/16" x 3/8" *Buff grained only.*

## **NEW** Storm Door-Ready Mullion Adaptor



2" x 1-11/16"  
(Extends storm door ready mullions by 1-1/4")

## Storm Door Adaptor



4-9/16" Base Adaptor  
Face Adaptor  
(Use 1-15/32" x 1-1/16" Mull Casing)



6-9/16" Base Adaptor

## Screen Track Cap



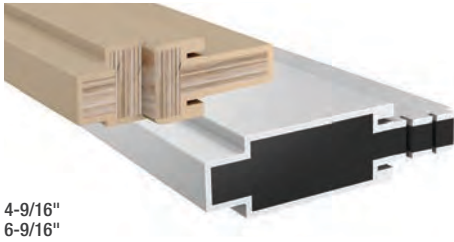
1-13/32" x 9/16"

## Fasteners, Setting Tool & Screw Plug Covers




Screw plugs are available on a collated strip for ease of installation and finishing.

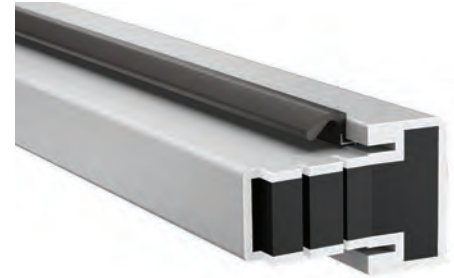
**NEW Storm Door-Ready Mullions**



4-9/16"  
6-9/16"

**Pre-Inserted Weatherstrip Option**

Select white smooth composite jambs and mullions, pre-machined for hinges and locks, are available with a convenient pre-inserted weatherstrip option for a quicker install. Look for the (  ) icon.



7/16" x 5/16" Cove Mould



**Transom Sills**



4-9/16"  
6-9/16"

**Code-Compliant Options**

Therma-Tru composite door frame delivers the durability and reliability you expect from Therma-Tru with options to meet select national and local building code requirements.\*



Impact-rated to meet high-wind and coastal region codes and regulations, offering excellent performance in extreme weather conditions while providing added protection.\*



20-minute Fire-rated to meet most national and local code requirements for house-to-garage, multi-family residential and hotel / motel unit entries.\*

**Protection From the Elements**



**Resists Moisture & Humidity**

Composite door frames feature completely composite exteriors that resist humidity and moisture to help eliminate the risk of swelling and cracking.



**Resists Mold & Rot**

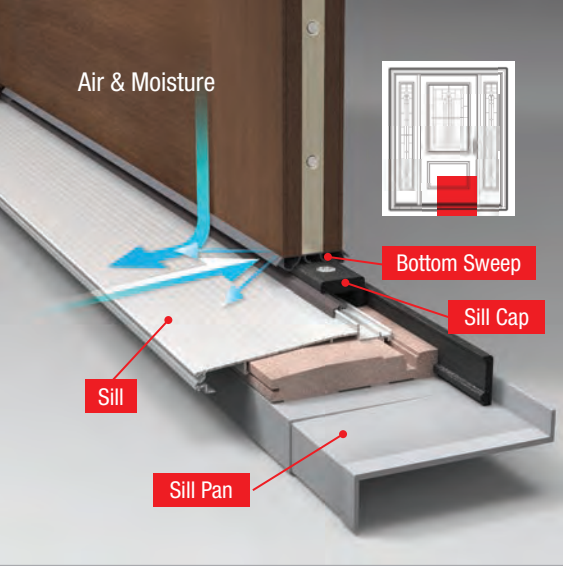
A composite door frame does not absorb or retain moisture helping to eliminate the risk of mold and rot.



**Resists Insects**

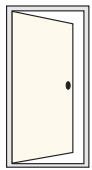
With no exposed wood, Therma-Tru composite door frames help protect from wood-ingesting insects.

\*To confirm code requirements in your jurisdiction, always check with your local building code authority. Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for product approvals and installation instructions. Always confirm building code requirements in your area before buying. Follow weather and news reports to assess severe weather situations and obey local authorities' shelter and evacuation orders. No product guarantees safety for persons or property, nor makes any premises hurricane- or impact-proof. To see full results of third-party Intertek, Warnock-Hersey testing, visit [www.thermatru.com/performance](http://www.thermatru.com/performance) data.



## Sills, Bottom Sweeps, Sill Pan & Sill Covers

Genuine Therma-Tru® sills and bottom sweeps help form a tight seal against wind-driven moisture infiltration at the bottom of the door system and help channel moisture away from the home. The sill pan (recommended) adds an extra layer of protection to help keep moisture away from the subfloor.



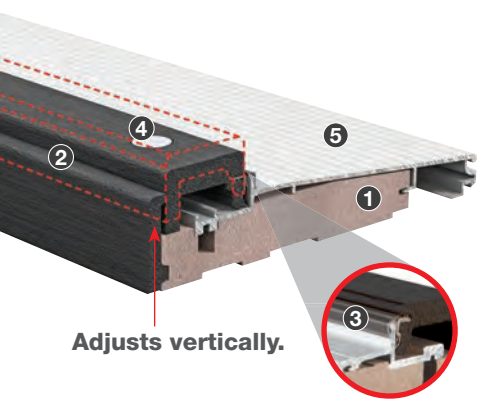
### Inswing Sills

- Designed to mate with our inswing bottom sweeps to help seal the margin between the door and sill.
- Help channel moisture away from the home with a 6-degree sloped ramp.
- Help provide a solid stepping surface with a slip-resistant tread pattern on the approach.
- A thermal break helps stop cold and heat from traveling through the sill and forming condensation inside the home.
- Offered in a variety of materials with features to meet the needs of different climates and exposures.

See finish options on page 18.

### Adjustable for long-lasting performance.

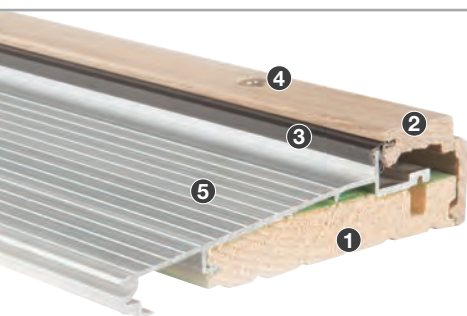
Genuine Therma-Tru sills are engineered with features to help minimize the potential for leaks and drafts. Our adjustable sills allow the sill cap to adjust vertically to close gaps over time, helping to maintain a tight seal between the sill and bottom of the door.



### Composite Adjustable Sill

- 1 Extra thick, continuous all-composite substrate.
- 2 Thick, through-colored composite cap and nosing, featuring a wood-grained appearance.
- 3 High-dam, narrow cap mates with the dual-bulb bottom sweep to deflect moisture away from the cap; engineered U-shaped weather seal creates an added barrier against wind-driven moisture.
- 4 Flush-fitting, premium screws form an uninterrupted sealing surface, resist corrosion, and adjust the cap to help maintain a tight seal.
- 5 Thick, 15-gauge aluminum approach provides excellent durability.

Note: Continuous length available with spread mullion capability to fill 49"-75" rough openings. See the Therma-Tru 2021 Architectural Details & Components manual for actual unit size specifications.

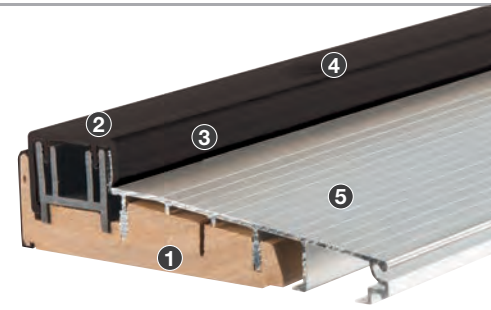


### Hardwood Adjustable Sill

- 1 Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- 2 Durable hardwood cap and nosing stands up to wear and can be stained to match the door and trim.
- 3 High-dam, narrow cap mates with the dual-bulb bottom sweep to help deflect moisture away from the cap; engineered U-shaped weather seal creates an added barrier against wind-driven moisture infiltration.
- 4 Flush-fitting zinc dichromate screws form an uninterrupted sealing surface, resist corrosion, and adjust the cap vertically to help maintain a tight seal over time.
- 5 Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.

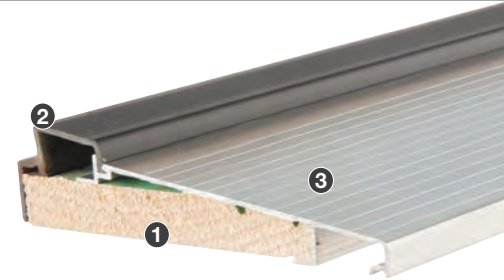
## Basic Composite Adjustable Sill

- ❶ Continuous moisture- and insect-resistant all-composite injection molded substrate provides a solid stepping surface and superior rot-resistance.
- ❷ Moisture- and insect-resistant composite cap and nosing resists rot.
- ❸ High-dam cap mates with the dual-bulb bottom sweep to help deflect moisture away from the cap.
- ❹ Zinc dichromate screws with removable screw caps adjust to help maintain a tight seal over time.
- ❺ Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.



## Basic Fixed Sill

- ❶ Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- ❷ Slanted cap and nosing mates with the single-bulb bottom sweep to help form a tight seal.
- ❸ 17-gauge aluminum approach provides a solid stepping surface.



## Inswing Bottom Sweeps

- Designed to mate with our inswing sill caps to help seal the margin between the door and sill.
- Kerf-applied to fit securely into the bottom of the door to help protect against moisture penetration.
- Heavy-duty material resists deterioration, holding its shape to help maintain contact over time.



### Kerf-Applied Dual-Bulb / Dual-Fin Bottom Sweep ❖

- ❶ Dual bulbs help maintain full contact with narrow sill caps.
- ❷ Dual fins create added barriers against moisture infiltration.
- ❸ Integrated rain deflector helps push moisture away from the cap.

**Sills:** Composite Adjustable | Hardwood Adjustable | Basic Composite Adjustable  
**Colors:** Bronze | White



Note: Non-kerf-applied option available for replacement applications.

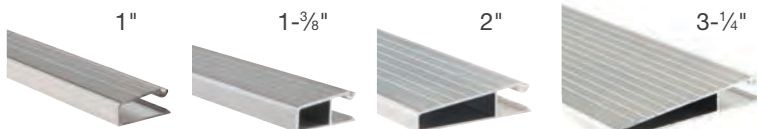


### Kerf-Applied Single-Bulb Bottom Sweep

- ❶ Single bulb helps maintain tight contact with slanted sill caps.
- ❷ Multiple fins help block moisture infiltration and deflect moisture away from the cap.

**Sill:** Basic Fixed  
**Color:** Bronze

## Inswing Sill Extenders



Available for 3-1/4" and 5-3/4" sills only.

Available for 4-9/16" sills only.

## Inactive Door Bottom ❖

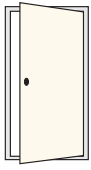


**Sills:**  
 Composite Adjustable  
 Hardwood Adjustable  
**Color:**  
 Bronze

## Sill Pan (Recommended – Inswing Only) ❖



- Fits between the sill and subfloor for an added layer of protection against moisture.
- Engineered with sloped channels to help collect and drain moisture away.
- Moisture- and insect-resistant composite construction resists rot.
- Molded corners allow for a continuous seal, unlike wraps or site-made alternatives.



## Outswing Sills

- Allow for a tight seal between the subfloor and door for superior performance against wind, air and water infiltration.
- Help provide a solid stepping surface with a slip-resistant tread pattern on the approach.
- Some options include a thermal break, helping stop cold and heat from traveling through the sill and forming condensation inside the home.
- Offered in a variety of materials with features to meet the needs of different climates and exposures.

See finish options on page 18.



### Composite Outswing Sill

- 1 Extra thick, continuous moisture- and insect-resistant all-composite substrate provides a solid stepping surface and superior rot resistance.
- 2 Thick, through-colored moisture- and insect-resistant composite cap and nosing resists wear and rot, featuring a realistic wood-grained appearance to complement home interiors.
- 3 Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- 4 Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.



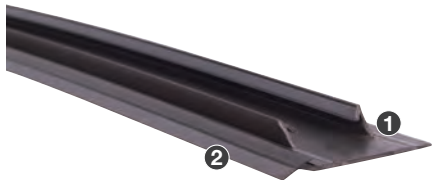
### Aluminum Sill with Thermal Break

- 1 Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- 2 All-aluminum cap resists corrosion.
- 3 Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- 4 Extra thick, 14-gauge aluminum approach provides excellent durability and a solid stepping surface.

Note: Also available without thermal break for warmer climates.

## Outswing Bottom Sweep

- Designed to provide added protection against wind-driven moisture infiltration at the bottom of the door.
- Kerf-applied to fit securely into the bottom of the door to help protect against moisture penetration.
- Heavy-duty material resists deterioration, holding its shape to help maintain contact over time.



- 1 Provides added protection at the bottom of the door.
- 2 Integrated rain deflector helps deflect moisture away from the cap.

Sills: Aluminum | Coastal  
Color: Bronze

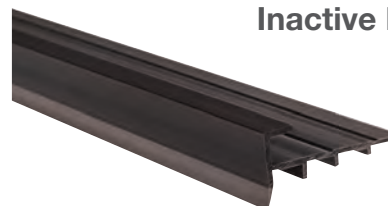
## Outswing Sill Extender



2"  
3/4"

Finishes:  
Lightwood (Premium)  
Darkwood (Premium)

## Inactive Door Bottom



Sill:  
Composite Outswing  
Color:  
Bronze

Note: See your Thermo-Tru seller for available component options.

\*To confirm code requirements in your jurisdiction, always check with your local building code authority.

## Coastal Sill

(Without Thermal Break – For Coastal Regions)

- ❶ Continuous treated Pine substrate provides a solid stepping surface and resists rot.
- ❷ All-aluminum cap resists corrosion and features an extra-high profile to provide improved resistance to wind-driven moisture infiltration.
- ❸ Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- ❹ Extra thick, 14-gauge aluminum approach provides excellent durability and a solid stepping surface.



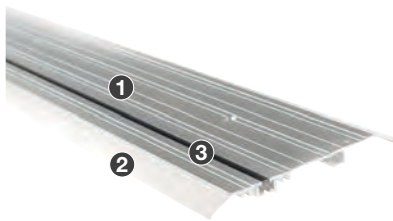
Note: Helps meet code requirements in HVHZ (High Velocity Hurricane Zone) coastal regions.\*

## ADA Applications

### Public Access Sill with Thermal Break

(For ADA Applications – Inswing / Outswing)

- Meets code requirements for Americans with Disabilities Act- (ADA) compliant applications.\*
- Allows for a seal between the subfloor and door to help block wind-driven moisture infiltration.
- Designed to mate with our ADA bottom sweep to help seal the margin between the door and sill.



- ❶ All-aluminum construction resists corrosion.
- ❷ 1/2"-high uninterrupted surface features an ADA-compliant 1:2 ramp slope ratio.
- ❸ An epoxy thermal break helps stop cold and heat from traveling through the sill and forming condensation inside the home.

Note: Also available without thermal break for warmer climates. Door systems built with public access sills have little resistance to water penetration and have a potential to leak if installed exposed to weather. We recommend these systems be installed away from weather under large soffits or overhangs.

### Bottom Sweep (ADA / Replacement)

- Designed to mate with our public access sill to help seal the margin between the door and sill.
- Heavy-duty material resists deterioration, holding its shape to help maintain contact over time.



- ❶ Maintains tight contact with the sill surface.
- ❷ Multiple fins help deflect moisture away from the cap and block moisture infiltration.

Sills: Public Access

## Sill Protection

### Sill Covers (Recommended)

- Fits over the sill to help protect the sill cap and finish from damage during installation.
- Offered in a variety of options for a custom fit with most of our sills.
- Heavy-duty material withstands wear from moving heavy objects back and forth over the sill.

Note: Shown over composite adjustable sill.



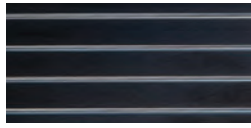
# Finish Options

Therma-Tru offers an array of popular finish options to complement decorative glass coming, and interior and exterior home fixtures, to suit the home's style. Check with your Therma-Tru seller for available finish and cap options.

## Sill Finishes



Mill

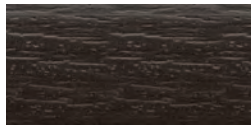


Bronze

## Cap Colors



Lightwood (Premium)  
Composite Adjustable /  
Composite Outswing



Darkwood (Premium)  
Composite Adjustable /  
Composite Outswing



Lightwood (Economy)  
Basic Composite Adjustable



Darkwood (Economy)  
Basic Composite Adjustable /  
Basic Fixed



Hardwood  
Hardwood Adjustable

	Inswing Options				Outswing Options				Public Access (Inswing / Outswing)	
	Composite Adjustable	Hardwood Adjustable	Basic Composite Adjustable	Basic Fixed	Composite Outswing	Aluminum with Thermal Break	Aluminum without Thermal Break	Coastal	Public Access (Inswing)	Public Access (ADA)
<b>Sill Finishes</b>										
Mill	■	■	■	■	■	■	■	■	■	■
Bronze	■	■	■	■	■	■	■	●	■	■
<b>Cap Colors</b>										
Lightwood	■	●	■	●	■	●	●	●	●	●
Darkwood	■	●	■	■	■	●	●	●	●	●
Hardwood	●	■	●	●	●	●	●	●	●	●
<b>Sill Configurations</b>										
Single	■	■	■	■	■	■	■	■	■	■
French	■	■	●	■	■	■	■	■	■	■
Double Patio	■	■	●	●	■	●	●	●	●	●
Triple Patio	■	●	●	●	■	●	●	●	●	●
Lineal	■	■	●	●	●	●	●	●	●	●
<b>Sidelite Configurations</b>										
Boxed Sidelites	■	●	●	●	●	●	●	●	●	●
Single with Sidelites	■	■	●	●	■	●	●	●	●	●
Single Vented Sidelites	■	●	●	●	●	●	●	●	●	●
French Vented Sidelites	■	●	●	●	●	●	●	●	●	●
<b>Depths</b>										
4-9/16"	■	●	■	■	■	●	■	■	■	■
5-3/4"	■	■	■	■	■	■	●	●	●	●
6-9/16"	●	●	●	●	●	●	●	●	●	■
7-3/4"	■	■	■	■	●	■	●	●	●	●
<b>Substrates</b>										
Composite Extruded	■	●	●	●	■	●	●	●	●	●
Composite Injection Molded	■	●	■	●	●	●	●	●	●	●
Treated Pine	●	■	●	■	●	■	■	■	●	●
<b>Other Options</b>										
Integrated Thermal Break	■	■	■	■	■	■	●	●	■	■
Screen Rail Available	■	■	●	●	■	●	●	●	●	●
Sill Extenders Available	■	■	■	●	■	●	●	●	●	●
Sill Covers Available	■	■	■	■	■	●	●	●	●	●
Tru-Defense Eligible*	■	●	●	●	■	●	●	●	●	●
With Anchor Holes	●	●	●	●	●	■	■	●	■	■
Without Anchor Holes	■	■	■	■	■	■	●	■	●	●

Note: See your Therma-Tru seller for details on available component and finish color combinations.

## Hinge Finish Options



Bright Brass    Brushed Nickel    Black Nickel    Polished Chrome    Oil-Rubbed Bronze    Stainless Steel    Zinc Dichromate

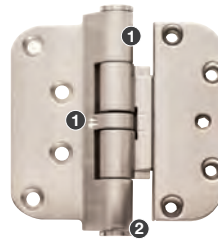


# Hinges

## Adjustable Hinge

**Finish Options:** (Recommended for Classic Craft premium entryways.)  
 Bright Brass  
 Brushed Nickel  
 Black Nickel  
 Polished Chrome  
 Oil Rubbed Bronze

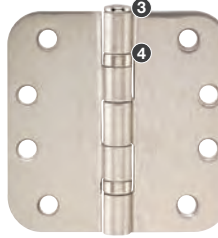
Allow the door to be moved horizontally and vertically in the frame, maintaining alignment and keeping the door performing beautifully.



## Classic Craft. Ball-Bearing - ANSI (C-Shaped) Hole Pattern

**Finish Options:** (Recommended for Classic Craft premium entryways.)  
 Bright Brass  
 Brushed Nickel  
 Black Nickel  
 Polished Chrome  
 Oil Rubbed Bronze  
 Stainless Steel  
 Zinc Dichomate

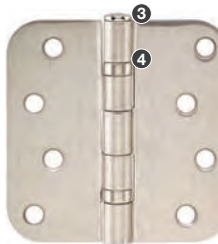
Ball bearings help protect each hinge pivot for added support and stability.



## NEW Classic Craft. Ball-Bearing - Staggered Hole Pattern

**Finish Options:** (Recommended for Classic Craft premium entryways.)  
 Bright Brass  
 Brushed Nickel  
 Black Nickel  
 Polished Chrome  
 Oil Rubbed Bronze  
 Stainless Steel  
 Zinc Dichomate

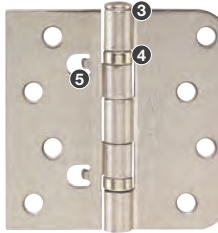
Ball bearings help protect each hinge pivot for added support and stability. Staggered hole pattern helps simplify assembly process. Note: Non-removable pin option available with fixed pins, providing security on outswing applications.



## Self-Aligning Ball-Bearing

**Finish Options:** (Recommended for heavier Fiber-Classic, Smooth-Star and Steel doors.)  
 Bright Brass  
 Brushed Nickel  
 Black Nickel  
 Polished Chrome  
 Oil Rubbed Bronze  
 Stainless Steel  
 Zinc Dichomate

Contains locating tabs to assist in accurate alignment with specific door systems.



## Self-Aligning

**Finish Options:** Contains locating tabs to provide accurate alignment with specific door systems. Note: Non-removable pin option available with fixed pins, providing security on outswing applications.  
 Brushed Nickel  
 Black Nickel\*\*  
 Polished Chrome\*\*  
 Oil Rubbed Bronze  
 Stainless Steel\*\*  
 Zinc Dichomate



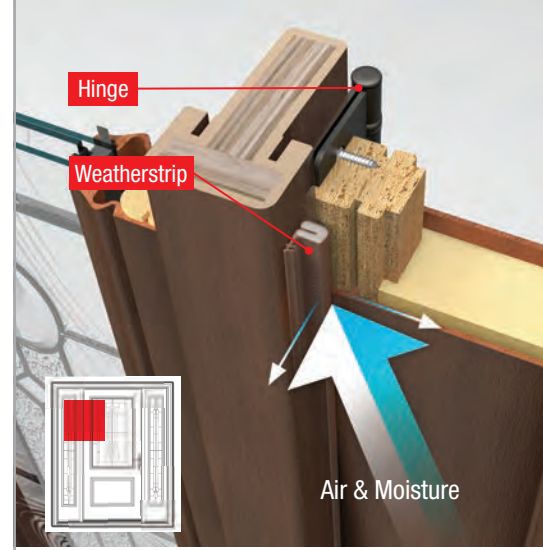
## Security Tab

**Finish Options:** Security tabs prevent door from being taken off hinges, providing security on outswing applications.  
 Brushed Nickel  
 Stainless Steel  
 Zinc Dichomate



## Spring-Loaded

**Finish Options:** UL Listed with adjustable self-closing spring mechanism that helps pull the door closed for convenience and meets code requirements that may be applicable in Fire-door applications.\*\*\*  
 Brushed Nickel  
 Black Nickel  
 Polished Chrome  
 Oil Rubbed Bronze  
 Stainless Steel  
 Zinc Dichomate



### Long-lasting, smooth performance.

Genuine Therma-Tru hinges are engineered with long-lasting durability and reliability in mind. They position the door to properly compress the weatherstrip to help form a tight, even seal when the door closes. Without precision engineering in this critical area, the weatherstrip can pinch if the door is too tight or gap if it is too loose, letting air and moisture pass between the door and frame.

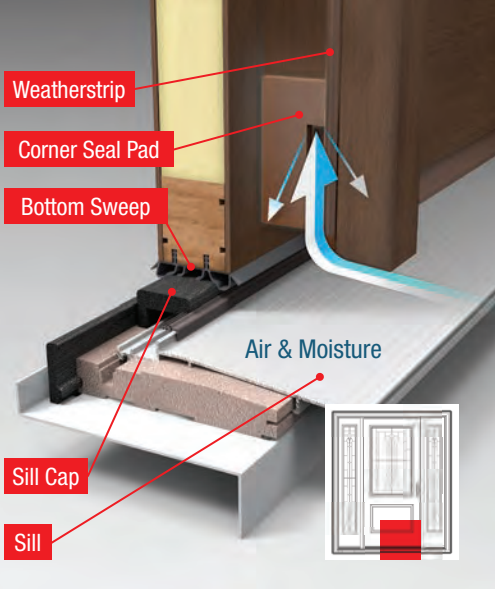
- Position the door for proper compression of the weatherstrip to form a tight seal when closed.
- Proper positioning also ensures smooth operation to help resist creaking and uneven wear.
- Offered in a variety of options designed to go with our door systems.

- 1 Hex screws adjust alignment of door in frame.
- 2 Fixed pins prevent door from being taken off hinges.
- 3 Removable pin option allows door to be taken off hinges.
- 4 Ball bearings help protect each hinge pivot, for added support and stability.
- 5 Locating tabs for accurate alignment.
- 6 Security tab prevents door from being taken off hinges by driving out pins.
- 7 Hex screws adjust tension of spring mechanism.
- 8 Self-closing spring mechanism helps pull the door closed.

\*For full details on the Tru-Defense Warranty Rider, visit [www.thermatru.com/trudefense](http://www.thermatru.com/trudefense).

\*\*Finishes only available for NRP Hinge.

\*\*\*To confirm code requirements in your jurisdiction, always check with your local building code authority. Note: See your Therma-Tru seller for available component options.



## Corner Seal Pads



### Classic Craft. 7-Shape Pads

#### Sills (Inswing Applications Only)

Composite Adjustable  
Hardwood Adjustable  
Basic Composite Adjustable  
Public Access

#### Colors

Bronze  
White



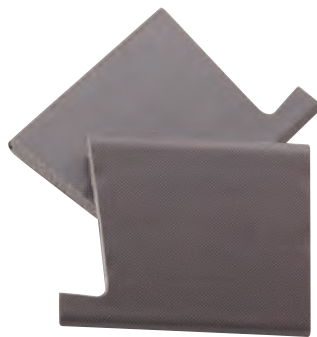
### Fiber-Classic. / Smooth-Star. 7-Shape Pads

#### Sills (Inswing Applications Only)

Composite Adjustable  
Hardwood Adjustable  
Basic Composite Adjustable  
Public Access

#### Colors

Bronze  
White



### Basic Fixed Pads

#### Sills (Inswing Applications Only)

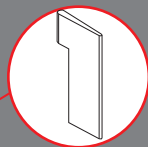
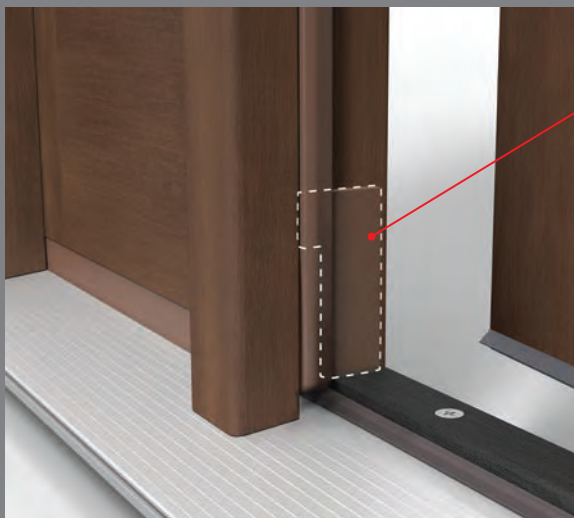
Basic Fixed

#### Colors

Bronze

Genuine Therma-Tru. **corner seal pads** (inswing only) complete the seal between the **sill cap**, **bottom sweep** and **weatherstrip** to help block potential pathways where wind-driven moisture can infiltrate the bottom corner of the door system. Without precision engineering in this critical area, wind pressure can push moisture-laden air through the corner and up the frame, leaking into the home and rotting the frame.

- Fit securely behind the weatherstrip to help block wind-driven moisture infiltration.
- Designed to mate with our inswing sills to complement weathersealing performance. (Not recommended for use on outswing applications.)
- Flexible, foam-filled material holds its shape over time, protected by a durable jacket to resist moisture and wear.



Creates an air pocket to inhibit water filtration.


### Innovative weathersealing solutions.

Genuine Therma-Tru weathersealing components are carefully engineered to maximize the seal between the door and frame. The 7-shape corner seal pad completes our patented jamb assembly. This innovative design creates an air pocket that helps prevent a vacuum from forming and wicking moisture up the weatherstrip and into the home.

# Removable Weatherstrip


- Engineered in a variety of profiles to mate with our door families for a precise seal between the door and frame.
- Kerf-applied to fit securely into the top and sides of the jamb; removable for finishing.
- Resilient design compresses when closed and springs back when open for long-lasting sealing power.
- Flexible, foam-filled material holds its shape over time, protected by a durable jacket to resist moisture and wear.



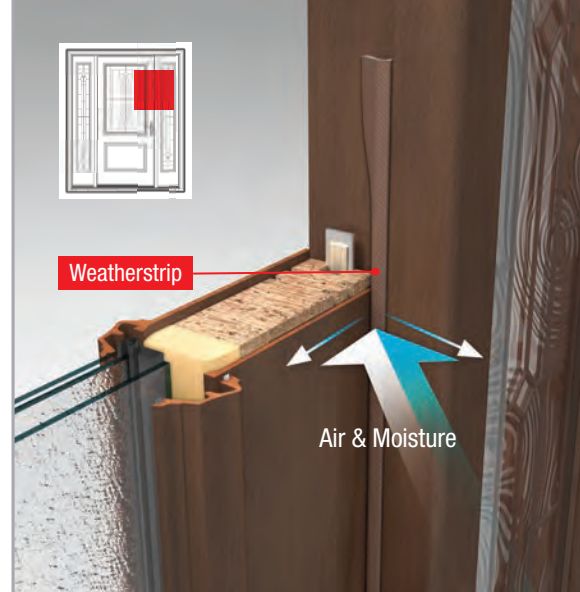
**Medium-Reach Weatherstrip**   
For square edge doors.

Colors  
Bronze  
White



**Long-Reach Weatherstrip**   
For bull edge doors.

Colors  
Bronze  
White



Genuine Therma-Tru. **weatherstrip** is specifically engineered in a variety of profiles to provide the best possible fit with our door systems, helping to deliver a precise seal between the door and frame. Without precision engineering in this critical area, misfitting weatherstrip can create gaps that allow air and moisture to pass through between the door and jamb.

# Rain Protection (Recommended)


- Helps repel moisture away from areas exposed to wind-driven moisture infiltration, enhancing weather protection.
- Durable aluminum construction on the rain deflector resists corrosion. Durable composite construction on the rain guard resists deterioration.
- Highly recommended for applications directly exposed to wind and rain.



**Rain Deflector**  
(Inswing)  
Pushes moisture away from the bottom of the door.

Colors  
Bronze  
White

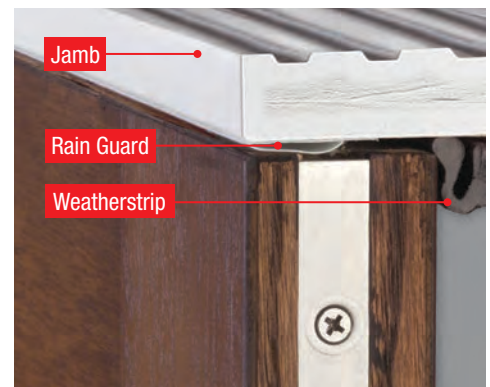


**Rain Guard**   
(Outswing)  
Creates a barrier to moisture at the top of the door.

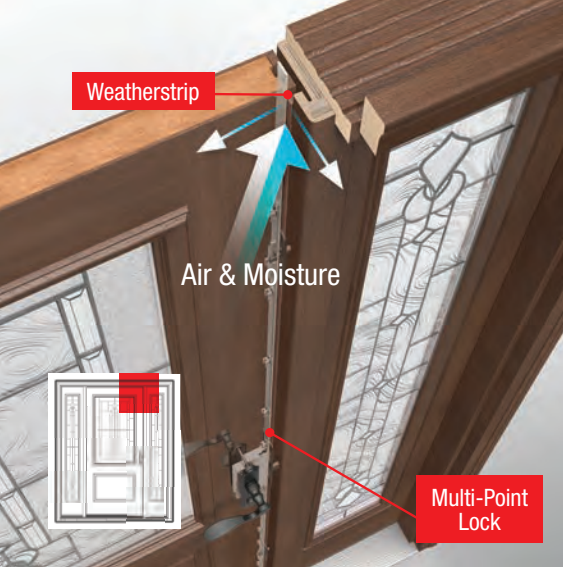
Colors  
Bronze  
White



Bottom of door; exterior view.



Top of door; exterior view.



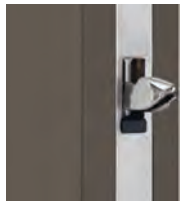
Genuine Therma-Tru® multi-point locking systems engage the frame at three points from top to bottom, helping to preserve the seal even under wind pressure. Without precision engineering in this critical area, wind can push the top and bottom corners of the door away from the frame, allowing air and moisture to pass through.

- Provides more engagement of locking hardware than traditional deadbolt assemblies.
- Premium stainless steel construction provides excellent corrosion resistance.
- Highly recommended for 8'0" and double fiberglass door systems. (Not recommended for steel door systems.)

## Multi-Point Locking Systems (MPLS)



- 1 Self-lubricating locks.
- 2 1" premium stainless steel deadbolt.
- 3 Integrated mishandling device.



### Tongue

**Heights:**  
6'6"  
6'8"  
7'0"  
8'0"

**Configurations:**  
Inswing  
Outswing



Side view of door.

Exterior view of door.



### Grip-Style MPLS ✦

Grip-style handlesets offer an intuitive approach to the multi-point locking system with on-trend aesthetics. A simple 90-degree twist of the thumbturn (interior) or a key (exterior) is all it takes to engage the door frame at three points with no need to lift the handleset lever. An integrated mishandling device protects the door and frame from accidental damage. Features deadbolt located above handleset. (Active option only. Not available for double door systems with an astragal.)



- 1 Self-lubricating locks.
- 2 1" premium stainless steel deadbolt.
- 3 Integrated mishandling device.



**Tongue**  
**Heights:** 6'6", 6'8", 7'0", 8'0"  
**Configurations:** Inswing, Outswing



**Shootbolt**  
 (For door systems with an astragal.)  
**Heights:** 6'6", 6'8", 7'0", 8'0"  
**Configurations:** Inswing, Outswing

Engages at three critical points.

Exterior view of door.

Side view of door.

### Lever-Style MPLS +

Lever-style handlesets bring form and function together with decorative styles. A convenient upward turn of the handle is required before all three points will engage. An integrated mishandling device helps protect the door and frame from accidental damage. Features deadbolt below the handleset.



**Tongue**  
 (Included in vented sidelite units.)  
**Heights:** 6'6", 6'8", 8'0"

### Vented Sidelites MPLS

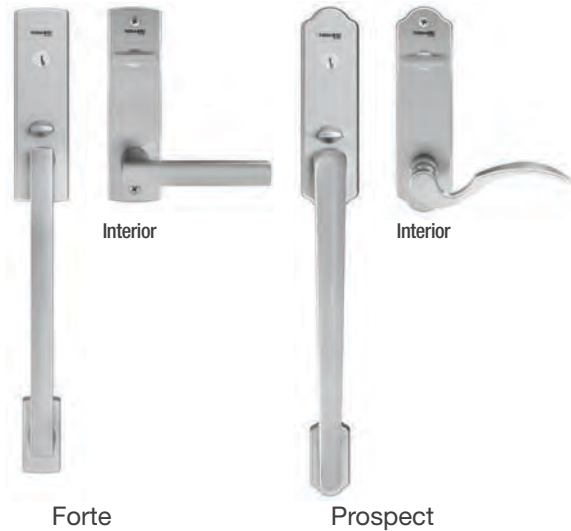
Constructed to provide ventilation without sliding screens blocking the view, vented sidelites work as small swinging doors with convenient removable screens. Engineered for durability and safety with wide patio mullions for strength, and multi-point locking gears and recessed strike plates for security.

# Handleset Options for Standard Door MPLS

Designed to complement Therma-Tru door styles from traditional to contemporary.

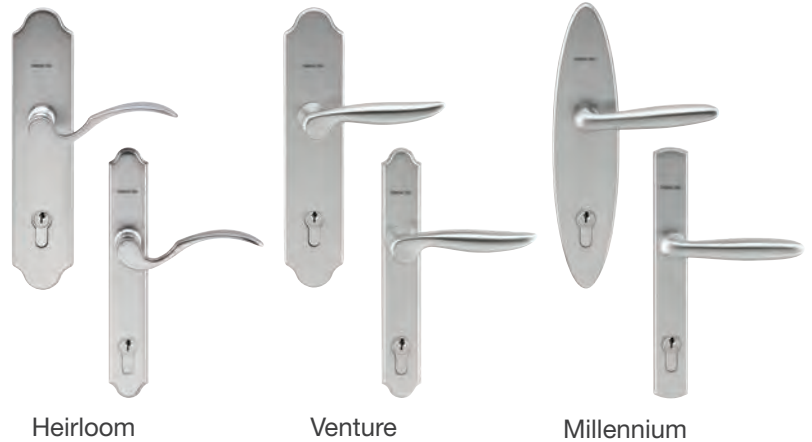
## Grip-Style MPLS

Backplates: Wide  
Locking: Active



## Lever-Style MPLS

Backplates: Wide, Narrow  
Locking: Active, Inactive



## Grip-Style Finish Options



## Lever-Style Finish Options



# Latch & Deadbolt Strike Plate



Standard vs. Adjustable Security Strike Plate

## Adjustable Security Strike Plate

(Recommended for standard lock and deadbolt handlesets only.)

**Finish Options:**  
Brushed Nickel  
Black Nickel  
Polished Chrome  
Oil Rubbed Bronze  
Stainless Steel  
Zinc Dichomate

A genuine Therma-Tru adjustable security strike plate helps enhance the safety and security of a home, wrapping around the door jamb and fully engaging the frame of the house for added support and strength against forced entry. Our adjustable security strike plates are tested to withstand up to three times the force of standard strike plates.\*

- ❶ Wraps around the door jamb for added support and an exact fit.
- ❷ 2-1/2" screws fully engage with the frame of the house for added strength.

\*ASTM-F476. As tested by an independent laboratory. Not available on certain configurations.

\*\*To confirm code requirements in your jurisdiction, always check with your local building authority.

# Astragals

Astragal



- Attach to the passive door and lock in place with shootbolts to cover the margin between double doors and help complete the seal against air and moisture infiltration.
- Help provide stability, holding power and lasting durability with aluminum construction that provides more strength than wood.
- Offered with a durable, rot-resistant vinyl wrap in a wood-grained, stainable texture or smooth aluminum to complement the look of the door and home.

- 1 Offered with strike plates to receive a latch and deadbolt or multi-point locking system.
- 2 Integrated weatherstrip helps form a tight seal between the astragal and active door when closed.
- 3 Spring clips to engage and disengage the shootbolts.
- 4 Durable boot engineered to work with the active bottom sweep to complete the seal across the sill.
- 5 16-1/2" locking steel slide bolt can be vertically adjusted for a secure fit with the sill and frame.

Astragal Boot



Seals  
across  
sill.

## Enhanced sealing power.

Genuine Therma-Tru. astragals help deliver enhanced sealing power. Our compression-fit astragals feature a secure bottom boot designed to fit tightly to the astragal and engineered to work with the active bottom sweep for an enhanced seal across the sill.

## Stainable Astragal +



Note: Shown in Oak grain with Redwood stain.

## Stainable Shown in Rustic Clay stain.



Oak Grain

Mahogany Grain

Fir Grain

## Aluminum Astragal +



Note: Coastal option also available with thicker aluminum construction and a longer shootbolt to provide improved resistance to wind-driven moisture infiltration.\*\*

## Aluminum



Bronze

White

### Heights:

6'6"  
6'8"  
7'0"  
8'0"

### Width:

7/8"

### Configurations:









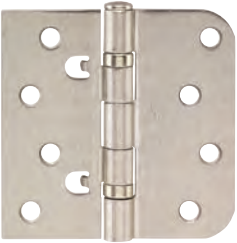




Inswing  
Outswing  
Multi-Point Lock  
Double Bore  
Left-Handed  
Right-Handed

### Weatherstrip:

Bronze

# Engineered to work together.

Therma-Tru® door system components are designed to work together with our door families to create a tight seal.

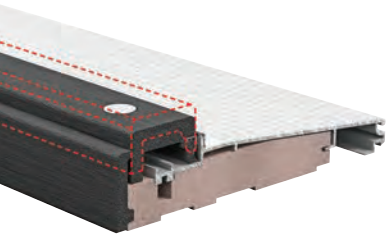
Door Collection	Corner Seal Pad	Weatherstrip	Hinges
<p><b>Classic Craft®</b></p> 	<p><b>Classic Craft 7-Shape Pads</b> ✚</p> 	<p><b>Medium-Reach Weatherstrip</b> ✚</p> <p>For square edge doors. All Sides</p> 	<p><b>Classic Craft Ball-Bearing Hinge</b> ✚</p> 
<p><b>Fiber-Classic® &amp; Smooth-Star®</b></p> 	<p><b>Fiber-Classic / Smooth-Star 7-Shape Pads</b> ✚</p> 	<p><b>Medium-Reach Weatherstrip</b> ✚</p> <p>Hinge Side</p>  <p><b>Long-Reach Weatherstrip</b> ✚</p> <p>For bull edge doors. Lock &amp; Head Side</p> 	<p><b>Self-Aligning Ball-Bearing Hinge</b> ✚</p> <p>Tabs for pass through door machining.</p> 
<p><b>Profiles™ &amp; Traditions Steel</b></p> 	<p><b>Basic Fixed Pads</b> ✚</p> 	<p><b>Medium-Reach Weatherstrip</b> ✚</p> <p>Hinge Side</p>  <p><b>Long-Reach Weatherstrip</b> ✚</p> <p>For bull edge doors. Lock &amp; Head Side</p> 	<p><b>Self-Aligning Hinge</b> ✚</p> <p>Tabs for pass through door machining.</p> 



Most common product positioning shown.  
 Contact your Therma-Tru seller or see tech manual for details and options.

**Sill & Door Bottom**

**Composite Adjustable Sill** ✚



**Kerf-Applied Dual-Bulb / Dual-Fin Bottom Sweep** ✚



**Door Frame**

**Composite Door Frame** ✚

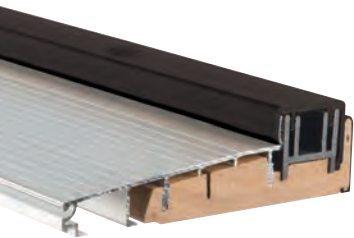


**Locking System**

**Multi-Point Locking Systems** ✚



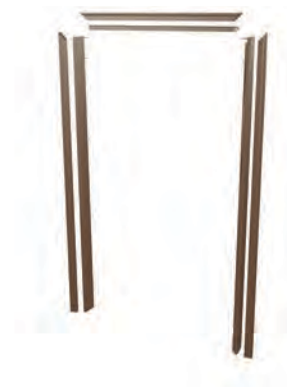
**Basic Composite Adjustable Sill**



**Kerf-Applied Dual-Bulb / Dual-Fin Bottom Sweep** ✚



**Composite Door Frame** ✚



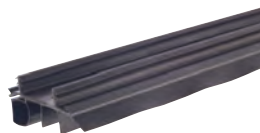
**Multi-Point Locking Systems** ✚



**Basic Fixed Sill**



**Kerf-Applied Single-Bulb Bottom Sweep**



**Composite Door Frame** ✚



**Latch & Deadbolt Strike Plate**





**THERMA-TRU**<sup>®</sup>  
DOORS

Where Home Begins™

thermatru.com  
1-800-THERMA-TRU (843-7628)  
1750 Indian Wood Circle  
Maumee, OH 43537



Turn to the door system experts.

Visit our online replacement parts configurator and helpful videos to learn how to maintain the integrity of a complete door system with genuine Therma-Tru components – [thermatru.com/parts](http://thermatru.com/parts).

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Part #MAFCOMP21 MTZT / DEC 2020

**ARCHITECTURAL**  
**L·O·U·V·E·R·S**

LOUVER PRODUCTS CATALOG

**Attractive Ventilation:** Architectural Louvers combines functionality with unequaled design capability. Use your ventilation requirements to add a memorable design element to your building.



Special shapes, face trim, and various blade types offer a full range of possibilities. Whether you are trying to ventilate an attic space, bring in fresh air, or add decoration to your building, Architectural Louvers can help.

Available finishes include baked enamel, anodized, and high resin content fluoropolymer paint. Standard colors in each of these finish types is available, or select your own color and we will computer match our louver finish to your needs.

**Select from our full range of louver products:**

	Blade Type	Performance	Model	Frame Depth	Free Area	Water Pen. Rating <sup>1</sup>
Wall Louvers	Standard J	Standard	E2JS	2.0"	48.7%	5648 CFM
	Standard J	Standard	E4JS	4.0"	50.4%	7157 CFM
	Standard J	High	E4JP	4.0"	58.4%	8970 CFM
	Standard J	High	E6JP	6.0"	57.3%	10298 CFM
	Standard J	High	E6JN	6.0"	69.1%	9011 CFM
	Baffle K	Standard	E2KS	2.0"	48.7%	5648 CFM
	Baffle K	Standard	E4KS	4.0"	50.4%	7157 CFM
	Baffle K	High	E4KP	4.0"	58.4%	7686 CFM
	Baffle K	High	E6KP	6.0"	57.3%	10298 CFM
	Drainable	Standard	E2DS	2.0"	49.4%	7032 CFM
	Drainable	Standard	E4DS	4.0"	56.0%	8333 CFM
	Drainable	High	E4DP	4.0"	59.3%	8826 CFM
	Drainable	High	E6DP	6.0"	57.7%	9655 CFM
	Chevron	Wind/Rain	E2WV	2.0"	53.8%	50 mph 8" rainfall
	Chevron	Wind/Rain	E4WH	4.0"	50.6%	50 mph 8" rainfall
	Drainable	Wind/Rain	E4WS	4.0"	56.0%	29 mph 3" rainfall
Chevron	Wind/Rain	E6WH	6.0"	50.3%	50 mph 8" rainfall	

<sup>1</sup> - Water penetration is listed as total CFM capability from testing of a 48" Wide x 48" High sample. The total CFM is the louver free area (in square feet) multiplied by the first point of water penetration. Wind driven rain louvers are listed by wind speed and rainfall rate.

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**Standard Blade Louvers**

**Standard Performance**

Standard blade, standard performance series offers a clean appearance at a low cost. Ideal applications include decorative, low air velocity, air exhaust, or special shape louvers.



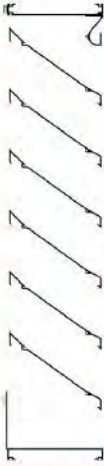



<b>E2JS</b>		<b>E4JS</b>	
			
Frame Depth	2.0"	Frame Depth	4.0"
Blade Spacing	2.0"	Blade Spacing	5.0"
Blade Angle	45°	Blade Angle	45°
Free Area <sup>1</sup>	<b>48.7%</b>	Free Area <sup>1</sup>	<b>50.4%</b>
First Point Water <sup>2</sup>	725 fpm	First Point Water <sup>2</sup>	888 fpm
Resistance to Air <sup>3</sup>	0.07"	Resistance to Air <sup>3</sup>	0.15"



**Standard Blade Louvers**

**High Performance**

High performance series offers higher free areas at reduced resistance to airflow. Used for higher velocities or where high free areas are required.

<b>E4JP</b>		<b>E6JP</b>		<b>E6JN</b>	
					
Frame Depth	4.0"	Frame Depth	6.0"	Frame Depth	6.0"
Blade Spacing	3.0"	Blade Spacing	4.0"	Blade Spacing	3.0"
Blade Angle	35°	Blade Angle	35°	Blade Angle	25°
Free Area <sup>1</sup>	<b>58.4%</b>	Free Area <sup>1</sup>	<b>57.3%</b>	Free Area <sup>1</sup>	<b>69.1%</b>
First Point Water <sup>2</sup>	960	First Point Water <sup>2</sup>	1123	First Point Water <sup>2</sup>	815
Resistance to Air <sup>3</sup>	0.13"	Resistance to Air <sup>3</sup>	0.18"	Resistance to Air <sup>3</sup>	0.12"

<sup>1</sup> - Free Area is the space between frame and blades divided by the overall wall opening size (based on a size 48" Wide by 48" High)

<sup>2</sup> - First point at which the louver entrains water, based on air intake free area velocities (0.01 oz. of water per square foot)

<sup>3</sup> - Pressure drop of airflow across the louver at the first point of water penetration, expressed in inches water gauge