

October 13, 2021

**CERTIFICATE OF APPROPRIATENESS**

Mr. Jim Simpson  
848 Chicago Blvd.  
Detroit, MI 48202

**RE: Application Number 21-7475; 848 Chicago Blvd.; Boston-Edison Park Historic District**

Dear Mr. Simpson:

Pursuant to Section 5(10) of the Michigan Local Historic District Act, as amended, being MCL 399.205(10), MSA 5-3407(5)(10); Sections. 21-2-57 and 21-2-73 of the 2019 Detroit City Code; Detroit Historic District Commission Resolution 97-01 (adopted August 13, 1997); Detroit Historic District Commission Resolution 97-02 (adopted October 8, 1997); and Detroit Historic District Commission Resolution 98-01 (adopted February 11, 1998), the staff of the Detroit Historic District Commission has reviewed the above-referenced application for building permit and hereby issues a Certificate of Appropriateness (COA), effective as of October 13, 2021.

Staff finds the exterior work as per the attached drawings, narrative scope, and below-outlined work items meet the defined Elements of Design for the **Boston-Edison Historic District** and the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings (36 CFR Part 67):

**Landscaping (Front and Rear yards) –See also Applicant drawings attached:**

- Protect and retain existing weeping mulberry trees
- Remove 10” caliper Norway maple, located 3’ from the southwest of house, due to reported foundation/basement issues
- Relocate five (5) arborvitae to west edge of property and remove eight (8) globe arborvitae, which were newly planted by previous owner and considered too small for scale of front yard.
- Plant new lower canopy trees (see applicant planting plan).
- Install 4’-6” wide concrete front yard walk, concrete steps and with a concrete paver border (8” Unilock Copthorne “Old Oak”).
- Install concrete pavers in rear yard walkways, rear patio using concrete Unilock Richcliff pavers (“Dawn Mist”) with gray banding (“Basalt”).
- Replace existing driveway with concrete brushed finish driveway (1650 SF).
- Add rear turn-around area (210 SF) with Unilock Richcliff pavers.
- Add rear-yard, stacked concrete units, Unilock Rivercrest Wall Series, walls and pillars, the free-standing seat wall will be 14-23” height.
- Add wrought iron handrails at rear steps
- Remove existing limestone steps on driveway side, run storm drainage under steps, replace existing limestone steps. If steps crack, replace steps with new limestone steps to match.
- Replace broken and cracked limestone step with same by front porch
- Install three (3) carriage lights, Bellagio 103" High Bronze Outdoor Light, on 3 new pillars in rear yard.
- Install 47” by 82” fountain at rear patio.
- Install rain garden, plantings and drainage
- Install one (1) steel bike hoop, color black at rear patio

**Replace Rear Windows:**

- Replace seven (7) 1<sup>st</sup> floor, rear brick “porch” room windows, which are single pane, sliding aluminum storm windows with no extant windows behind them with Pella Architect Series wood aluminum clad, vented casement windows with mullion pattern matching existing

casement windows on north elevation. Affix simulated divided light muntins to the exterior glass surface of these seven (7) windows.

- Restored one (1) rear kitchen storm window with new wood storm window. Sashes remain.
- Replaced three (3) casement windows of the 3<sup>rd</sup> floor dormer with Pella Architect Series, vented casement windows with matching mullion pattern. Affix simulated divided light muntins to the exterior glass surface of these three (3) windows.
- Paint trim with Sherwin Williams 2829 classic white.

**Replace/Repair Rear Doors:**

- Install new Pella entry door to east elevation of the back porch with matching mullion pattern. Affix simulated divided light muntins to the exterior glass surface of this door.
- Repair three (3) existing steel storm doors by removing rust and painting in color SW 2838 Polished Mahogany satin finish, and reinstall.
- Basement door was restored and repainted.
- Paint trim with Sherwin Williams 2829 classic white.

**Repair Rear Siding Bay on Second Floor:**

- Replace rotted siding and trim with cedar shake shingles with in-kind material.
- Add simple steel supports under the bay. Paint this frame in color SW 2838 Polished Mahogany to match storm doors.

**Windows - West Elevation:**

- Repair framing header around west elevation basement window, replace trim to match existing trim. Leave dimensions of the window opening unchanged.
- Retain previously installed window with a vinyl, double hung window (black on exterior, white on interior).
- Restore first floor west elevation windows, by repairing bad wood and using linseed oil putty and primer. Restore and replace cracked/broken storm windows of these west elevation windows.

*This Certificate of Appropriateness is issued with the following conditions:*

- The applicant submit final rear landscape drawings for staff to review prior to permit/approval.
- The applicant submit all light fixture cut sheets for staff to review prior to permit/approval.

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:



Daniel Rieden  
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: 8/10/21

## PROPERTY INFORMATION

ADDRESS(ES): 848 Chicago AKA:

PARCEL ID: HISTORIC DISTRICT:

SCOPE OF WORK: (Check ALL that apply)

<input type="checkbox"/> Windows/ Doors	<input type="checkbox"/> Walls/ Siding	<input type="checkbox"/> Painting	<input type="checkbox"/> Roof/Gutters/ Chimney	<input type="checkbox"/> Porch/Deck/ Balcony	<input type="checkbox"/> Addition
<input type="checkbox"/> Demolition	<input type="checkbox"/> Signage	<input type="checkbox"/> New Building	<input type="checkbox"/> Major Alteration (2+ scope items)	<input checked="" type="checkbox"/> Site Improvements (landscape, trees, fences, patios, etc.)	

New pavers, front walk, rear patio, add limestone walls front and back, new concrete driveway, add rain garden garden, and drainage

## BRIEF PROJECT DESCRIPTION:

New pavers, front walk, rear patio, add limestone walls front and back, new concrete driveway, add rain garden garden, and drainage

## APPLICANT IDENTIFICATION

Property Owner/  
Homeowner  Contractor  Tenant or  
Business Occupant  Architect/Engineer/  
Consultant

NAME: David Haig COMPANY NAME: D.A. Haig Contracting LLC

ADDRESS: 476 Hilldale CITY: Ann Arbor STATE: MI ZIP: 48105

PHONE: 3134613800 MOBILE: 3134613800 EMAIL: david@haigconstruction.com

## 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)
- Current Photographs: Including the front of the building & detailed photographs of the area(s) affected by the proposed work. All photographs must be labeled or captioned, e.g. "west wall", "second floor window," etc.
- 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 (BSE&ED) to perform the work.

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

# P2 - BUILDING PERMIT APPLICATION

Date: 8/10/21

## PROPERTY INFORMATION

Address: 848 Chicago 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)

Now pavers, front walk, rear patio, add limestone walls front and back, new concrete driveway, add rain garden garden, and drainage

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 \$ 65,500 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 Grants: \_\_\_\_\_

Lots Combined?:  Yes  No (attach zoning clearance)

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

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

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

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



**IDENTIFICATION (All Fields Required)**

**Property Owner/Homeowner**  Property Owner/Homeowner is Permit Applicant  
Name: Jim Simpson Company Name: NA  
Address: 848 Chicago City: Detroit State: MI Zip: 48202  
Phone: (734) 604-2346 Mobile: (734) 604-2346  
Driver's License #: S-512-367-071-898 Email: jim@monkey.org

**Contractor**  Contractor is Permit Applicant  
Representative Name: David Haig Company Name: D.A. Haig Contracting LLC  
Address: 476 Hilldale City: Ann Arbor State: MI Zip: 48105  
Phone: 313-461-3800 Mobile: 313-461-3800 Email: david@haigconstruction.com  
City of Detroit License #: pending

**TENANT OR BUSINESS OCCUPANT**  Tenant is Permit Applicant  
Name: NA Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**ARCHITECT/ENGINEER/CONSULTANT**  Architect/Engineer/Consultant is Permit Applicant  
Name: InSite Design Studio Inc. State Registration#: \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
Address: 412 Longshore Drive Ann Arbor, Michigan 48105 City: Ann Arbor State: MI Zip: 48105  
Phone: 734.995.4194 Mobile: NA Email: snoblet@insite-studio.com

**HOMEOWNER AFFIDAVIT (Only required for residential permits obtained by homeowner.)**

I hereby certify that I am the legal owner and occupant of the subject property and the work described on this permit application shall be completed by me. I am familiar with the applicable codes and requirements of the City of Detroit and take full responsibility for all code compliance, fees and inspections related to the installation/work herein described. I shall neither hire nor sub-contract to any other person, firm or corporation any portion of the work covered by this building permit.

Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Homeowner)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ A.D. \_\_\_\_\_ County, Michigan

Signature: \_\_\_\_\_ My Commission Expires: \_\_\_\_\_  
(Notary Public)

**PERMIT APPLICANT SIGNATURE**

I hereby certify that the information on this application is true and correct. I have reviewed all deed restrictions that may apply to this construction and am aware of my responsibility thereunder. I certify that the proposed work is authorized by the owner of the record and I have been authorized to make this application as the property owner(s) authorized agent. Further I agree to conform to all applicable laws and ordinances of jurisdiction. I am aware that a permit will expire when no inspections are requested and conducted within 180 days of the date of issuance or the date of the previous inspection and that expired permits cannot be

Print Name: David Haig Signature: \_\_\_\_\_ Date: 8/10/21  
(Permit Applicant)

Driver's License #: H200135067012 Expiration: 1/1/24

Subscribed and sworn to before me this 15<sup>TH</sup> day of August 2021 A.D. Washtenaw County, Michigan

Signature: \_\_\_\_\_ My Commission Expires: 2-16-2023  
(Notary Public)

**Section 23a of the state construction code act of 1972, 1972PA230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Violators of Section 23a are subject to civil fines.**

This application can also be completed online. Visit [detroitmi.gov/bsecd/elaps](http://detroitmi.gov/bsecd/elaps) for more information.



**CHERYL LYNN TOMSIC**  
Notary Public, State of Michigan  
County Of Washtenaw  
My Commission Expires 02-18-2023  
Acting in the County of Washtenaw

## **Project Scope: Project Scope: Rear Window & Door Repair / Replacement**

**Replace failed and non-extant windows with windows that match style of home: 1st floor rear brick “porch” room on the back of the house is not weatherproof due to low-quality, failing single pane sliding aluminum storm windows with no extant windows behind them, and no door behind a steel exterior storm door. Inclement weather results in water intrusion to the house. Windows held up in some places by duct tape due to broken plastic operating tabs. Three casement windows with no storms on third floor failed, broken, and leaking. Steel security doors rusting and shoddily painted to be cleaned up, repainted, and reinstalled. Keep all other existing doors and windows. Reglaze existing wood windows where needed and repaint.**

- **Pics 1, 2, 3 - Rear Brick Porch: Replace failing aluminum storms on back porch room with Pella Architect Series casement windows with mullion pattern matching existing casement windows on north elevation (cut sheet attached).**
  - **Pic 1 - Rear Brick Porch: Add new Pella entry door to east elevation of the back porch with matching mullion pattern.**
  - **Pics 3, 5, 6, 8 - Back of House: Refresh three steel storm doors by removing rust, repainting in color SW 2838 Polished Mahogany satin finish, and reinstall.**
  - **Pic 4 - Kitchen Window: Missing storm window replaced with new wood storm window.**
  - **Pics 5, 6 - Back of House: Existing kitchen door and basement door to remain.**
  - **Pic 7 - Third Floor Dormer: Replace three leaking casements with Pella architect series windows with matching mullion pattern (cut sheet attached).**
-



Project:  
**Simpson Residence**

Date: 09/20/18 Issued for: Pre-construction  
09/20/18  
09/20/18  
09/20/18

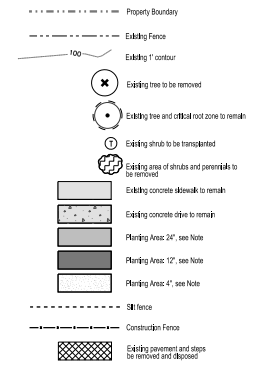
Scale: 1" = 10'-0"  
Drawn by: SMN

Title:  
**Site Preparation, Demolition,  
and SESC Plan**

Sheet:

**L-1**

**LEGEND**

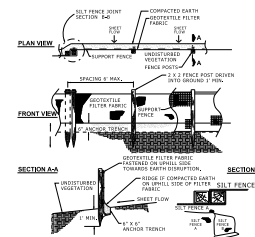
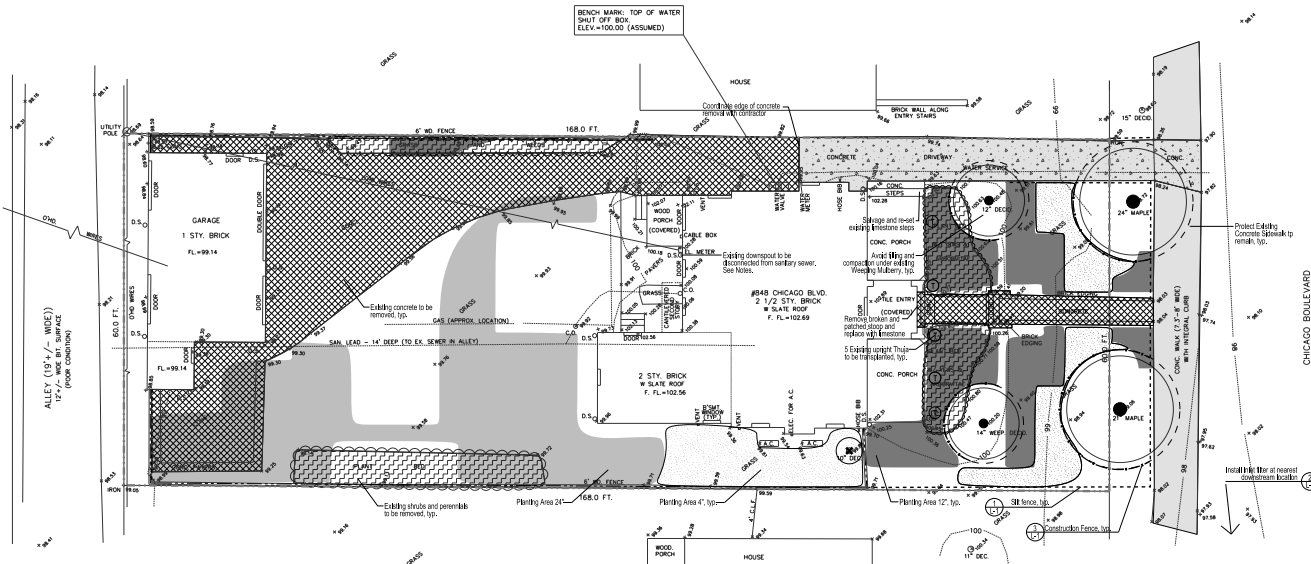


**NOTES**

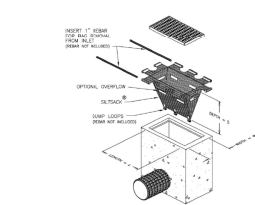
1. **Fluorlight** High occultant shall be removed and protected for transpiring.
2. Downspout to be disconnected from Sewerly Sewer to be fixed with a temporary flexible downspout extension until redirected to H&P garden.
3. **Planting Area 24"** Excavate 24" from proposed grade, remove and dispose.
4. **Planting Area 12"** Excavate to average 12" from proposed grade. **Just clearing** will risk as necessary.
5. **Planting Area 4"** Lawn areas to be regraded, add 4" of planting soil mix.

**UTILITIES**

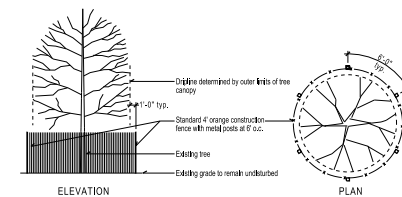
Utility exploration has been conducted at various points as indicated on the Plan. Approximate depth as indicated on the drawings is for clearing purposes only. Contractor shall be responsible for management of any utility relocation based on proposed grading.



**1 Silt fence**  
NO SCALE



**2 Inlet filter**  
NO SCALE



**3 Construction fence**  
NO SCALE



BEFORE YOU DIG  
CALL MISS. DIG  
800-422-2776  
MISS. DIG

CONTRACTOR is responsible to first verify location of all underground utilities prior to any work.

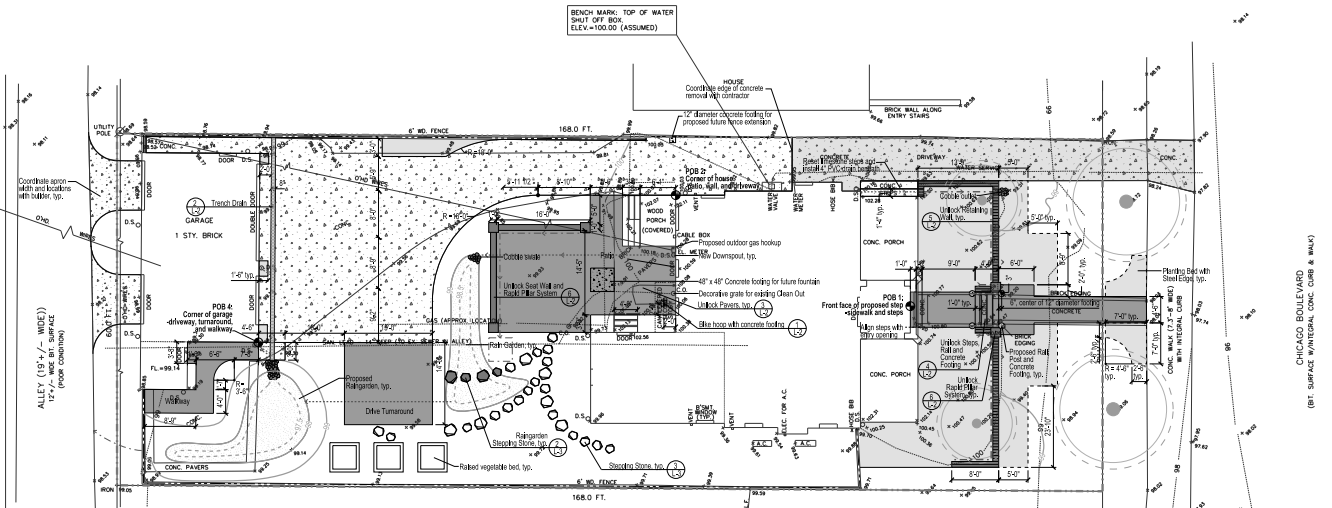


Date:	Issued for:
05/20/2014	Final Review
07/20/2014	Construction
09/30/2014	Close-out

Scale: 1" = 10'-0"  
Drawn by: SMN



CONTRACTOR responsible to verify location of all underground utilities prior to any work.



### LEGEND

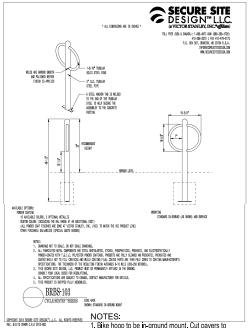
- Proposed Rakeguard Stepping Stone
- Proposed Stepping Stone
- Proposed Rakeguard Cobble Seals
- Proposed Cobble Outlet
- Proposed Rakeguard Vegetative Bed
- Proposed Rail and Concrete Footing
- Proposed Concrete Footing
- Property Boundary
- - - - - Existing Fence
- - - - - Existing 1' contour
- Existing tree and critical root zone to remain
- ▨ Proposed concrete driveway
- ▨ Proposed unlock paver patio, turnaround and walk
- ▨ Proposed Unlock retaining wall
- ▨ Proposed Unlock seat wall
- ▨ Proposed Unlock rapid pillar system
- ▨ Proposed landscape bed
- ▨ Proposed steel edge
- - - - - Proposed 1' Contour
- - - - - Proposed 6" Contour
- ▨ Proposed Rain Garden

### NOTES

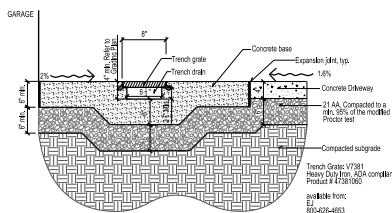
1. Coordinate edge of concrete removal with contractor.

### UTILITIES

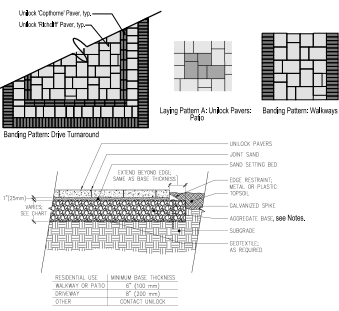
Utility location has been conducted at various points as indicated on the Plan. Approximate depth as indicated on the survey is for planning purposes only. Contractor shall be responsible for management of any utility relocation based on proposed grading.



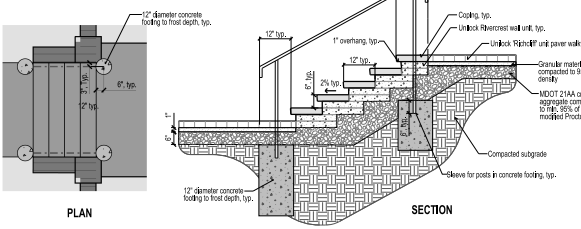
**1 Bike Hoop**  
NO SCALE



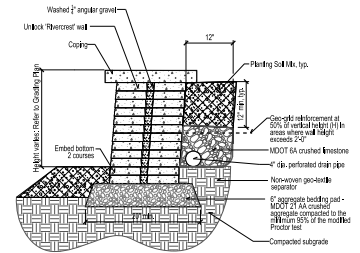
**2 Trench drain**  
NO SCALE



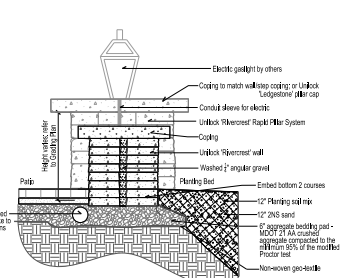
**3 Unlock Pavers**  
NO SCALE



**4 Unlock Steps, Rail, and Concrete Footing**  
NO SCALE



**5 Unlock Retaining Wall**  
NO SCALE



**6 Unlock Seat Wall and Rapid Pillar System**  
NO SCALE

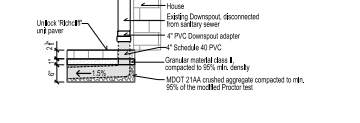
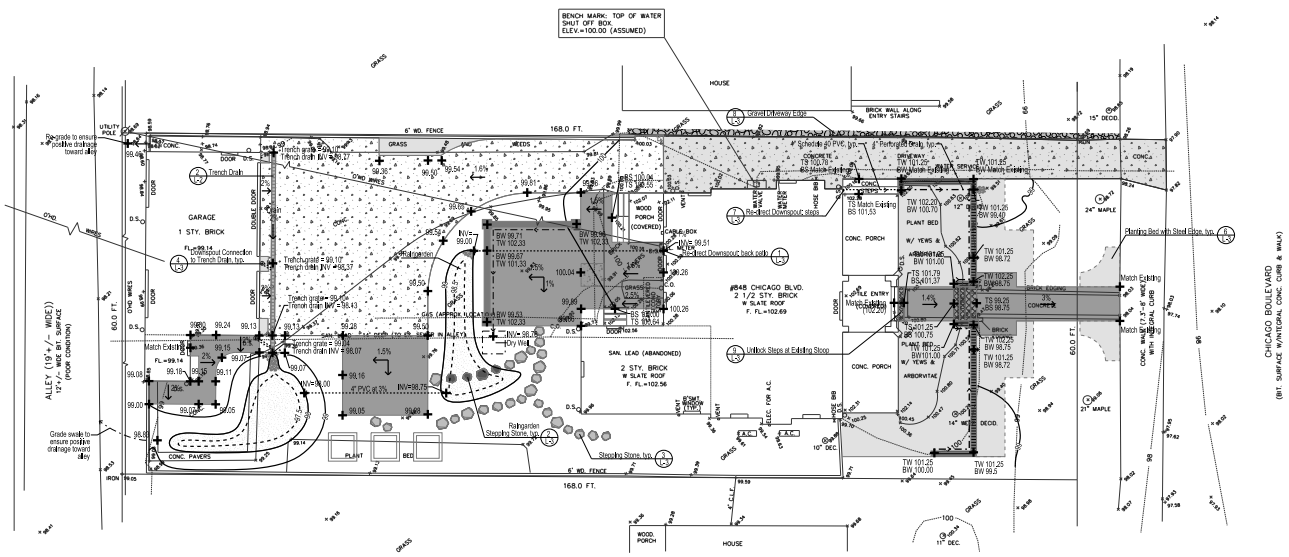
- NOTES:
- Aggregate base to be 21AA.
  - Aggregate depth under patio and walk to be 6".
  - Aggregate depth under drive turnaround to be 6".
  - Unlabeled areas to be Unlock Rakeguard Turnaround Clean 16/20 mix.
  - Edging to be Unlock Rakeguard, color to be determined by owner.
  - Joint sand to be stabilized with polyfill and cast low glass joint stabilizer.

- NOTES:
- Refer to Unlock "Rakeguard Installation Guide" for construction and installation techniques: <https://contractor.unlock.com/assets/Rakeguard-Installation-Guide.pdf>
  - For each course of Rakeguard, secure by applying a bead of approved Concrete Adhesive along the top surface on the front and back of the units. Concrete adhesive must be applied in accordance with manufacturer's specifications.
  - For each course, fill the unit alignment cores flush to the top with washed 1/4" angular chip aggregate.
  - Coping to be adhered with 1/8" bead mortar.
  - Coping material and type to be determined by owner. Rakeguard color to be "Coastal Slate".

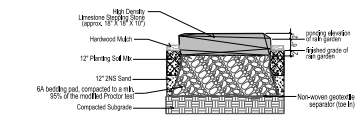
- NOTES:
- Refer to Unlock "Rakeguard Installation Guide" for construction and installation techniques: <https://contractor.unlock.com/assets/Rakeguard-Installation-Guide.pdf>
  - For each course, secure the wall by affixing a bead of approved Concrete Adhesive along the top surface on the front and back of the units. For geogrid layers, layer the geogrid embedding is secured in both beads of adhesive. Concrete adhesive must be applied in accordance with manufacturer's specifications.
  - For each course, fill the unit alignment cores flush to the top with washed 1/4" angular chip aggregate. For geogrid layers, lay the geogrid so that the edge extends at least 1" past the alignment core towards the front edge of the unit.
  - Coping material and type to be determined by owner. Rakeguard color to be "Coastal Slate".

- NOTES:
- Refer to Unlock "Rakeguard Installation Guide" for construction and installation techniques: <https://contractor.unlock.com/assets/Rakeguard-Installation-Guide.pdf>
  - For each course, secure the wall by affixing a bead of approved Concrete Adhesive along the top surface on the front and back of the units. For geogrid layers, layer the geogrid embedding is secured in both beads of adhesive. Concrete adhesive must be applied in accordance with manufacturer's specifications.
  - For each course, fill the unit alignment cores flush to the top with washed 1/4" angular chip aggregate. For geogrid layers, lay the geogrid so that the edge extends at least 1" past the alignment core towards the front edge of the unit.
  - In all units, run sleeve for electric through center of unit.
  - Coping material and type to be determined by owner. Rakeguard color to be "Coastal Slate".

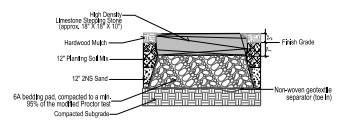




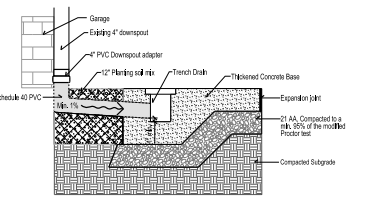
1 Re-direct Downspout: Back Patio  
NO SCALE



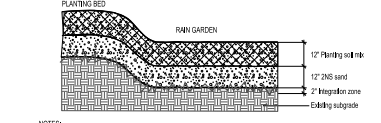
2 Rain Garden Stepping Stone  
NO SCALE



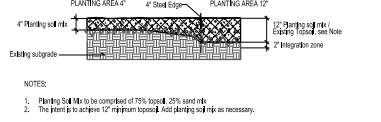
3 Stepping Stone  
NO SCALE



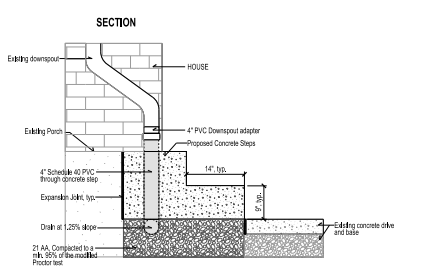
4 Downspout Connection to Trench Drain  
NO SCALE



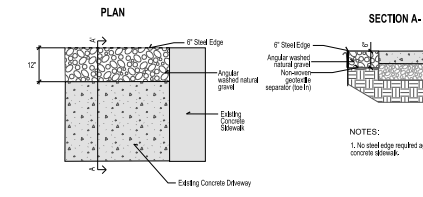
5 Planting Area: 24"  
NO SCALE



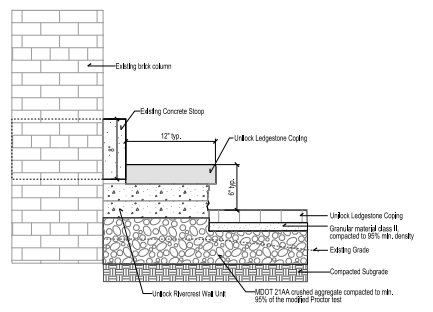
6 Planting bed with Steel Edge  
NO SCALE



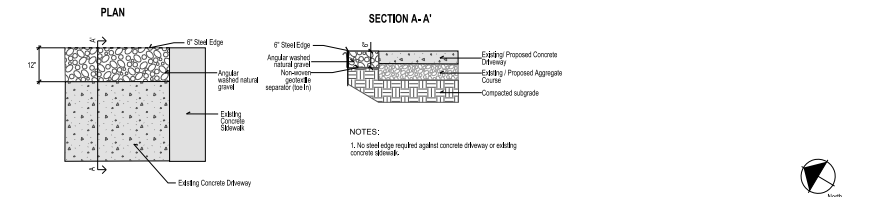
7 Re-direct Downspout: Steps  
NO SCALE



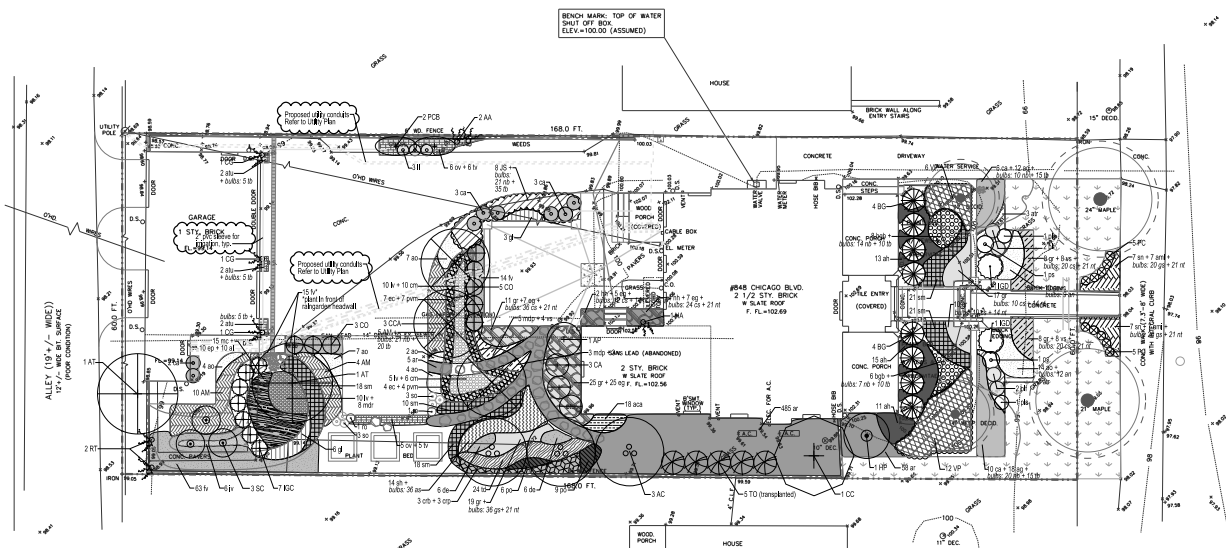
8 Gravel Driveway Edge  
NO SCALE



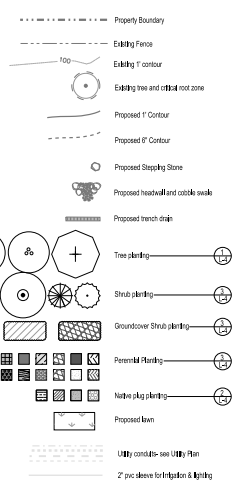
9 Unlock Steps at Existing Stoop  
NO SCALE



SECTION A-A'  
NO SCALE



### LEGEND



### NOTES

1. Unweeded, shredded hardwood mulch shall be applied to all areas being planted.
2. Mulch to be applied in area of raised vegetable beds.
3. Contractor responsible for seeding all disturbed areas, including, but not limited to, lawn areas shown on plan.
4. Herbaceous perennials and native plugs in flower gardens may not be installed prior September 15.

### UTILITIES

Utility exploration has been conducted at various points as indicated on the Plan. Approximate depth as indicated on the survey for planting purposes only. Contractor shall be responsible for management of any utility relocation based on proposed grading.

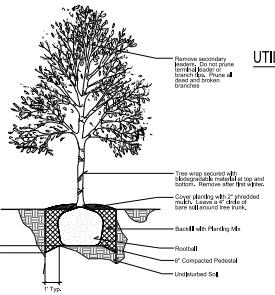
### PLANT SCHEDULE

Qty	Sp.	Botanical Name	Common Name	Spacing	Size	Comments
10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden
10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden
10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden

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10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden

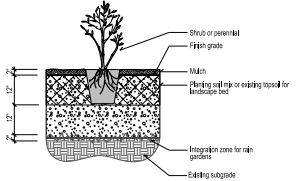
Qty	Sp.	Botanical Name	Common Name	Spacing	Size	Comments
10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden
10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden
10	10	Abutilon	Abutilon	12" x 12"	#1 container	Plant in groups of 3 within Contemporary garden



1. See specifications for all material requirements.
2. Plant at least 1/2" from bottom of hole.
3. Set root ball in hole, compact soil around it on top of root ball to above finished grade. Remove all binding and debris from root ball. Remove soil of loose compaction.
4. Remove all tags, straps, twine, and any other materials which are unsightly or could cause girdling.
5. Remove all loose vegetation or twigs from the root ball.

### 1 Tree planting

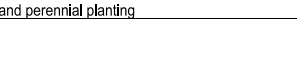
NO SCALE



1. See specifications for all material requirements.
2. Plant at least 1/2" from bottom of hole.
3. Set root ball in hole, compact soil around it on top of root ball to above finished grade. Remove all binding and debris from root ball. Remove soil of loose compaction.
4. Remove all tags, straps, twine, and any other materials which are unsightly or could cause girdling.
5. Remove all loose vegetation or twigs from the root ball.

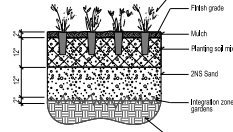
### 3 Shrub and perennial planting

NO SCALE



### 2 Native plug planting

NO SCALE



1. See specifications for all material requirements.
2. Remove container. Set soil on prepared grade.
3. Spacing per plan.

Project: Simpson Residence

Date: 06/20/21  
09/10/21  
09/10/21

Scale: Drawn by: SMN

Title: Planting Plan

Sheet:

L-4



**Trees and Shrubs**

Key	Qty	Botanical Name	Common Name	Spacing	Size	Comments
AC	3	<i>Amelanchier canadensis</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	12' o.c.	6-7' B&B	
AM	19	<i>Aronia melanocarpa</i> 'Ground Hog'	Ground Hog Chokeberry	36" o.c.	#3 cont.	
AP	1	<i>Acer palmatum</i> var. <i>dissectum</i> 'Viridis'	Viridis Japanese Maple	as shown	Specimen to be approved by owner	
AT	2	<i>Asimina triloba</i>	Paw Paw	as shown	#5 cont.	
BG	8	<i>Buxus</i> 'Green Beauty'	Green Beauty Boxwood	48" o.c.	18-24" cont.	
CA	3	<i>Clethra alnifolia</i> 'Vanilla Spice'	Vanilla Spice Summersweet	48" o.c.	#5 cont.	
CC	1	<i>Cercis canadensis</i>	Redbud	as shown	6-7' B&B	
CCA	3	<i>Carpinus caroliniana</i>	American Hornbeam	as shown	2-2.5' B&B	
CO	8	<i>Cephalanthus occidentalis</i> 'Sugar Shack'	Sugar Shack Buttonbush	36" o.c.	#3 cont.	
HP	1	<i>Hydrangea paniculata</i> 'Polar Ball'	Polar Ball Panicked Hydrangea	as shown	#5 cont.	
IGC	7	<i>Ilex glabra</i> 'Compacta'	Compacta Inkberry	36" o.c.	18-24" cont.	
IGD	2	<i>Ilex glabra</i> 'Densa'	Densa Inkberry	as shown	18-24" cont.	
JS	8	<i>Juniperus sabina</i> 'Calgary Carpet'	Calgary Carpet Juniper	36" o.c.	#3 cont.	
PCB	2	<i>Pyrus communis</i> 'Bartlett'	Espalier Bartlett Pear	60" o.c.		
PC	10	<i>Philadelphus coronarius</i> 'Illuminati Tiny Tower'	Illuminati Tiny Tower Mock Orange	18" o.c.	#3 cont.	
PC	3	<i>Sambucus canadensis</i>	Elderberry	72" o.c.	#3 cont.	
TO	5	<i>Thuja occidentalis</i>	White Cedar	36" o.c. transplant	Transplant 5 upright existing TO	
VP	18	<i>Viburnum plicatum</i> var. <i>tomentosum</i> 'Wabi Sabi'	Wabi Sabi Doublefile Viburnum	36" o.c.	#3 cont.	

**Perennials**

Key	Qty	Botanical Name	Common Name	Spacing	Size	Comments
ag	30	<i>Allium</i> 'Globemaster'	Globemaster Giant Onion	*see note	#2 cont.	*Plant in groups of 3 within Calamagrostis acutiflora
ah	39	<i>Anemone x. hybrida</i> 'Honorine Jobert'	Honorine Jobert Windflower	18" o.c.	#1 cont.	
ami	14	<i>Allium</i> 'Millenium'	Millenium Allium	15" o.c.	#1 cont.	Mix evenly with May Night Salvia
ao	48	<i>Aster oblongifolius</i> 'October Skies'	October Skies Aster	18" o.c.	#1 cont.	
ar	548	<i>Ajuga reptans</i> 'Bronze Beauty'	Bronze Beauty Ajuga	12" o.c.	38 cell flat	
atr	6	<i>Anemone tomentosa</i> 'Robustissima'	Robustissima Windflower	18" o.c.	#1 cont.	Plant between Peonies
bgb	14	<i>Bouteloua gracilis</i> 'Blonde Ambition'	Blonde Ambition Blue Grama Grass	24" o.c.	#1 cont.	
ca	24	<i>Calamagrostis acutiflora</i> 'Overdam'	Overdam Feather Reed Grass	30" o.c.	#1 cont.	
crb	3	<i>Cimicifuga racemosa</i> 'Brunette'	Brunette Snakeroot	30" o.c.	#2 cont.	Mix evenly with Cimicifuga Pink Spike
crp	3	<i>Cimicifuga racemosa</i> 'Pink Spike'	Pink Spike Snakeroot	30" o.c.	#2 cont.	Mix evenly with Cimicifuga Brunette
de	12	<i>Dicentra eximia</i> 'King of Hearts'	King of Hearts Bleeding Heart	15" o.c.	#1 cont.	
ec	11	<i>Eupatorium coelestinum</i>	Blue Mistflower	24" o.c.	#1 cont.	Mix evenly with Physostegia
eg	44	<i>Epimedium grandiflorum</i> 'Purple Pixie'	Purple Pixie Barrenwort	15" o.c.	#1 cont.	Mix evenly with Geranium
ep	10	<i>Echinacea purpurea</i> 'Magnus'	Magnus Purple Coneflower	*see note	#1 cont.	*Mix evenly with Asclepias; Plant in spaces between Molinia
gl	9	<i>Gaura lindheimeri</i> 'Whirling Butterflies'	Whirling Butterflies Gaura	24" o.c.	#1 cont.	
gr	98	<i>Geranium x</i> 'Rozanne'	Rozanne Geranium	15" o.c.	#1 cont.	Mix evenly with Epimedium or Veronica
hh	6	<i>Helleborus x hybridus</i>	Lenten Rose	15" o.c.	#1 cont.	Plant in groups of two within Epimedium
ii	3	<i>Lavender x. intermedia</i> 'Violet Intrigue'	Violet Intrigue Lavender	24" o.c.	#1 cont.	
mc	15	<i>Molinia caerulea</i> 'Moorflame'	Moorflame Purple Moor Grass	24" o.c.	#1 cont.	
mdp	8	<i>Monarda didyma</i> 'Pardon my Pink'	Pardon my Pink Beebalm	15" o.c.	#1 cont.	Mix evenly with Veronica
mdr	8	<i>Monarda didyma</i> 'Purple Rooster'	Purple Rooster Monarda	18" o.c.	#1 cont.	Mix evenly within Iris virginica
plf	4	<i>Paeonia lactiflora</i> 'Festiva Maxima'	Festiva Maxima Garden Peony	30" o.c.	#2 cont.	
pls	2	<i>Paeonia lactiflora</i> 'Sarah Bernhardt'	Sarah Bernhardt Garden Peony	30" o.c.	#2 cont.	
ps	2	<i>Paeonia suffruticosa</i> 'Double Purple'	Double Purple Tree Peony	36" o.c.	#2 cont.	
pvm	11	<i>Physostegia virginiana</i> 'Miss Manners'	Miss Manners Obedient Plant	24" o.c.	#1 cont.	Mix evenly with Eupatorium
po	15	<i>Polygonatum odoratum</i> 'Variegatum'	Variegated Solomon's Seal	15" o.c.	#1 cont.	
sh	14	<i>Sporobolus heterolepis</i>	Prairie Dropseed	24" o.c.	#1 cont.	
sm	88	<i>Stachys monieri</i> 'Hummelo'	Hummelo Betony	15" o.c.	#1 cont.	
sn	14	<i>Salvia nemorosa</i> 'May Night'	May Night Salvia	15" o.c.	#1 cont.	Mix evenly with Millenium Allium
vs	23	<i>Veronica spicata</i> 'Royal Candles'	Royal Candles Speedwell	15" o.c.	#1 cont.	Mix evenly with Geranium or Pardon My Pink Monarda

**Native Plugs and Quarts**

Key	Qty	Botanical Name	Common Name	Spacing	Size	Comments
aca	18	<i>Aquilegia canadensis</i>	Aquilegia canadensis	12" o.c.	plug in flat	
ai	10	<i>Asclepias incarnata</i>	Swamp Milkweed	*see note	quart	*Mix evenly with Echinacea; Plant in spaces between Molinia
cm	16	<i>Carex muskingumensis</i>	Palm Sedge	18" o.c.	plug in flat	Mix evenly with Iris virginica
fv	92	<i>Fragaria virginiana</i>	Wild Strawberry	18" o.c.	plug in flat	
iv	31	<i>Iris virginica</i>	Blue Flag Iris	18" o.c.	plug in flat	Mix evenly with Carex
td	24	<i>Thalictrum dioicum</i>	Early Meadow Rue	18" o.c.	plug in flat	

**Vines**

Key	Qty	Botanical Name	Common Name	Spacing	Size	Comments
HA	1	<i>Hydrangea anomala ssp. Petiolaris</i>	Climbing Hydrangea	as shown	#1 cont.	
CG	3	<i>Clematis x. 'Guernsey Cream'</i>	Guernsey Cream Clematis	as shown	#1 cont.	
AA	2	<i>Actinidia arguta 'Michigan State'</i>	Michigan State Hardy Kiwi	as shown	#1 cont.	need one male and one female plant
RT	2	<i>Rubus 'Triple Crown'</i>	Triple Crown thornless Blackberry	as shown	#1 cont.	

**Herbs**

Key	Qty	Botanical Name	Common Name	Spacing	Size	Comments
ro	2	<i>Rosemary officinalis</i>	Rosemary	18" o.c.	4" cont.	
so	6	<i>Salvia officinalis</i>	Sage	18" o.c.	4" cont.	
ov	11	<i>Origanum vulgare</i>	Oregano	18" o.c.	4" cont.	group together; plant around lavender
tv	11	<i>Thymus vulgaris</i>	Thyme	18" o.c.	4" cont.	group together; plant around lavender
atu	6	<i>Allium tuberosum</i>	Garlic Chives	18" o.c.	4" cont.	plant around Clematis

**Bulbs**

Key	Qty	Botanical Name	Common Name	Spacing	Size	Comments
an	21	<i>Allium nigrum</i>	Black Garlic	plant bulbs in groups of 3		Plant between Aster, in evenly spaced groups
as	36	<i>Allium sphaerocephalon</i>	Drumstick Allium	plant bulbs in groups of 3		Plant between Sporobolus, in evenly spaced groups
cs	132	<i>Crocus</i>	Spring Crocus	plant bulbs in groups of 10-12		Plant in beds with Geranium/and or Epimedium; mix with Tete a Tete groups
gs	76	<i>Galanthus</i>	Snowdrops	plant bulbs in groups of 10-12		Plant in front entrance bed with Salvia and Millerium Allium; plant with Geranium where indicated
nb	93	<i>Narcissus 'Spring Loaded' Blend</i>	Spring Loaded Daffodil Blend**	plant bulbs in groups of 5-7		Plant within Juniper, Aronia, and front beds with Calamagrostis and Bouteloua
nt	189	<i>Narcissus 'Tete a Tete'</i>	Tete a Tete Daffodil	plant bulbs in groups of 7		Plant in beds with Geranium or Salvia, mix with crocus groups
tb	120	<i>Tulipa 'Trident' Blend</i>	Trident Tulip Blend**	plant bulbs in groups of 5		Plant within Juniper, Aronia, and front beds with Calamagrostis and Bouteloua

\*\*available from colorblends.com



848

BOSS  
LAWN CARE & MAINTENANCE

**From:** [david@haigconstruction.com](mailto:david@haigconstruction.com)  
**To:** [Dan Rieden](mailto:Dan.Rieden)  
**Subject:** [EXTERNAL]Fwd: PELLA RESERVE/ARCJITECT INFO  
**Date:** Thursday, September 16, 2021 4:04:53 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image004.png](#)  
[image005.png](#)

848 chicago pella specs

David

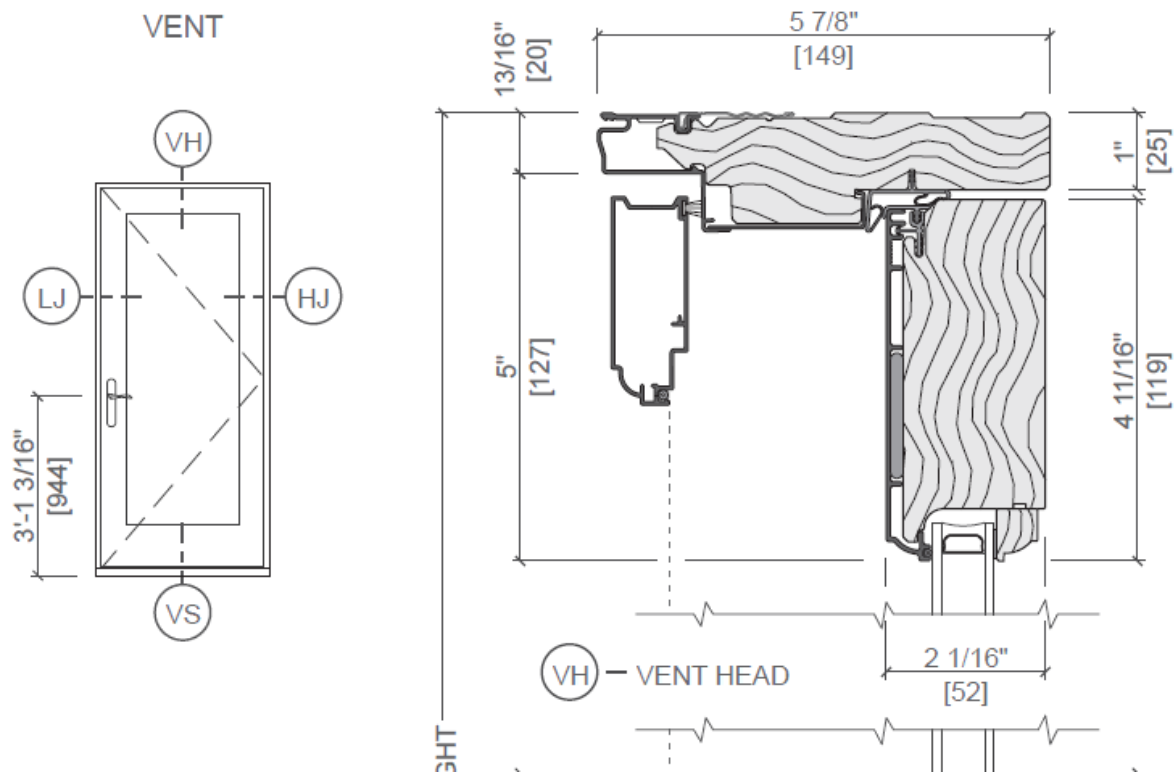
D. A. Haig Construction  
476 Hilldale  
Ann Arbor MI 48105  
O 734-995-6730  
C 313-461-3800  
F 866-260-7267  
[David@HaigConstruction.com](mailto:David@HaigConstruction.com)  
[www.HaigConstruction.com](http://www.HaigConstruction.com)

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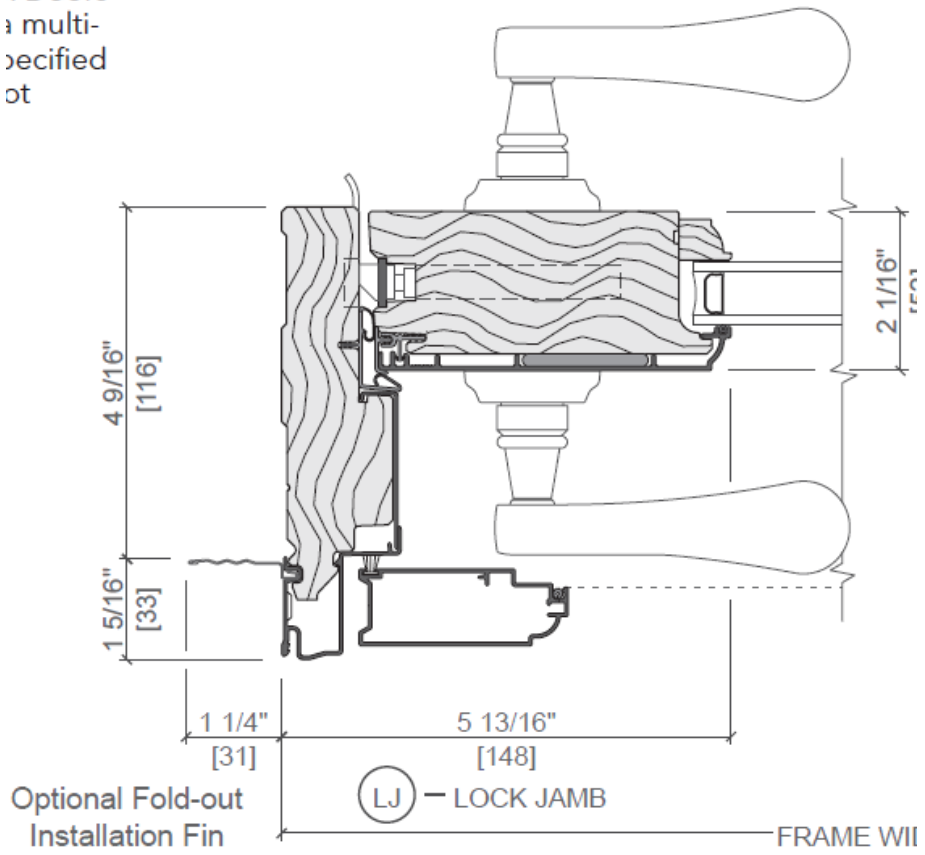
From: **Heilig, Deb** <[HeiligDA@pella.com](mailto:HeiligDA@pella.com)>  
Date: Thu, Sep 16, 2021 at 3:56 PM  
Subject: RE: PELLA RESERVE/ARCJITECT INFO  
To: [david@haigconstruction.com](mailto:david@haigconstruction.com) <[david@haigconstruction.com](mailto:david@haigconstruction.com)>

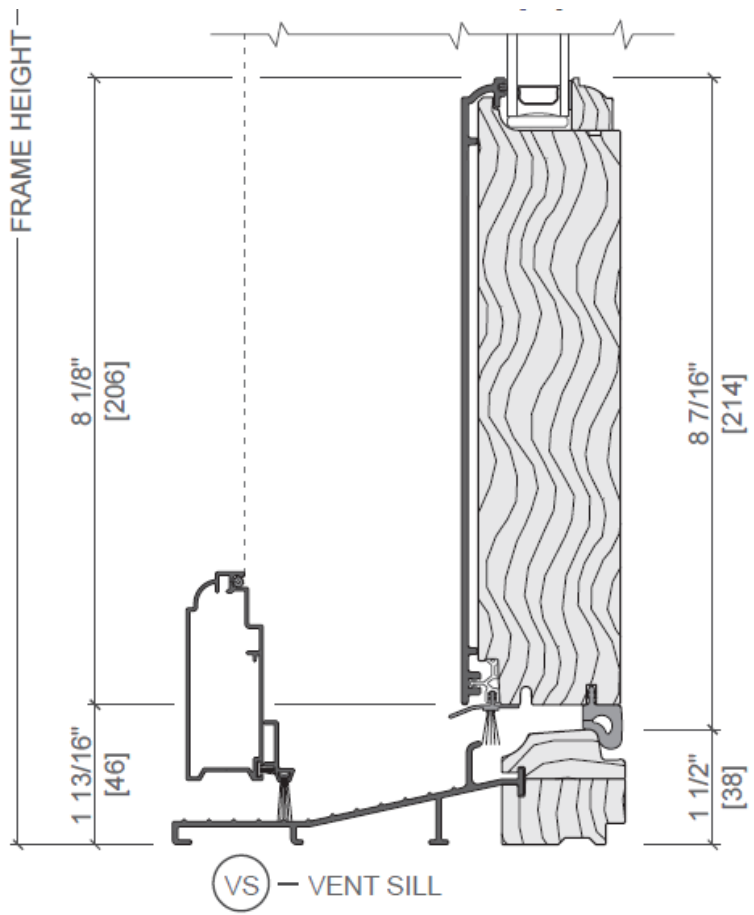
**DOOR**

**N-SWING DOOR** Ogee Exterior Glazing Profile



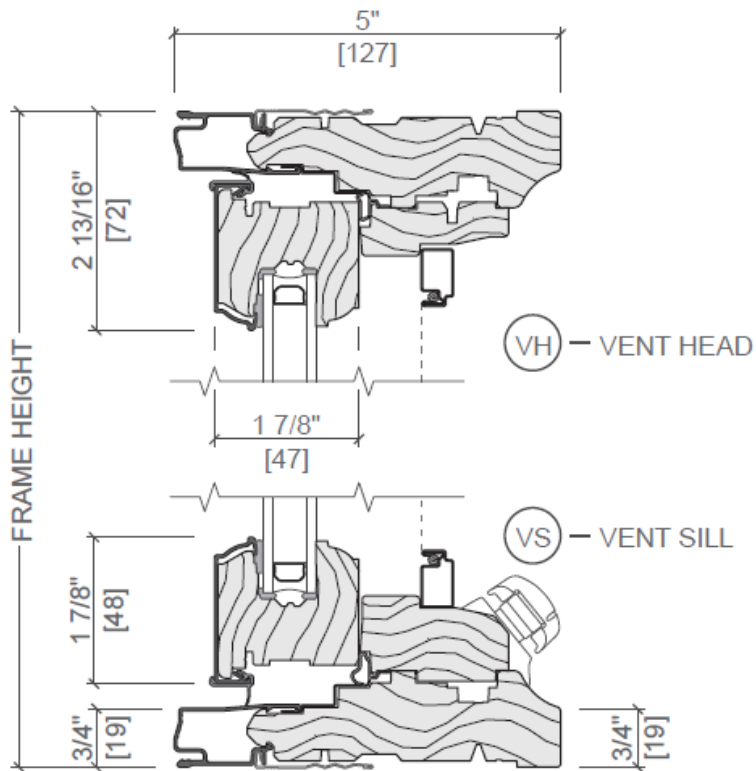
tions will  
r. Doors  
a multi-  
pecified  
ot





**WINDOW**






---

**From:** [david@haigconstruction.com](mailto:david@haigconstruction.com) <[david@haigconstruction.com](mailto:david@haigconstruction.com)>  
**Sent:** Thursday, September 16, 2021 3:38 PM  
**To:** Heilig, Deb <[HeiligDA@pella.com](mailto:HeiligDA@pella.com)>  
**Subject:** Fwd: PELLA RESERVE/ARCJITECT INFO

**Caution!** This email is from outside our organization

David

D. A. Haig Construction  
 476 Hilldale  
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 O 734-995-6730  
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[David@HaigConstruction.com](mailto:David@HaigConstruction.com)  
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**From:** <[KruzellPL@pella.com](mailto:KruzellPL@pella.com)>



Winner of the 2019 Most Innovative Window from Window and Door Magazine



### EVERY DETAIL MATTERS

Created for those who refuse to settle for anything less than extraordinary, Pella Reserve products provide unparalleled historical detailing. From authentic hardware and a disappearing screen to sash lugs that allow tilting, we've thought of every detail.



## WHY CHOOSE PELLA® RESERVE™ – TRADITIONAL?

Revel in the authenticity and bring your design vision to life. Exuding the tenets of traditional designs, Pella Reserve products provide historical elements with uncompromised attention to detail.

### HISTORIC PUTTY PROFILE

Further your aesthetic with the putty profile, recreated with historically accurate angles – providing meaningful depth and a realistic shadow. Pella Reserve products offer the industry's deepest sash dimension.

### THROUGH-STILE CONSTRUCTION

Essential to the tradition of window making, butt joinery and through-stile construction create authentic proportions and emulate historic window design.

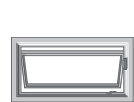
### INTEGRAL LIGHT TECHNOLOGY®

Featuring the industry's only foam spacer solution, Pella's Integral Light Technology helps capture the look of true-divided-light without sacrificing energy efficiency.

### AUTHENTIC HARDWARE

Complement your project with historically authentic spoon-lock window hardware. Our Antiek casement window hardware is inspired by period furniture to deliver authentic, traditional style. Add charm to patio doors with premium hardware created in collaboration with Baldwin®.

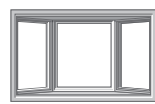
AVAILABLE IN THESE WINDOW AND PATIO DOOR STYLES:



Awning Window



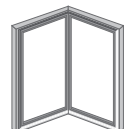
Angle-Top Window



Bay or Bow Window



Casement Window



Corner Window



Double-Hung Window



Fixed Window



Single-Hung Window



Push-Out Casement Window



Sliding Patio Door



Hinged Patio Door



Bifold Patio Door



Multi-Slide Patio Door

Special shapes also available.

## COLORS & FINISHES

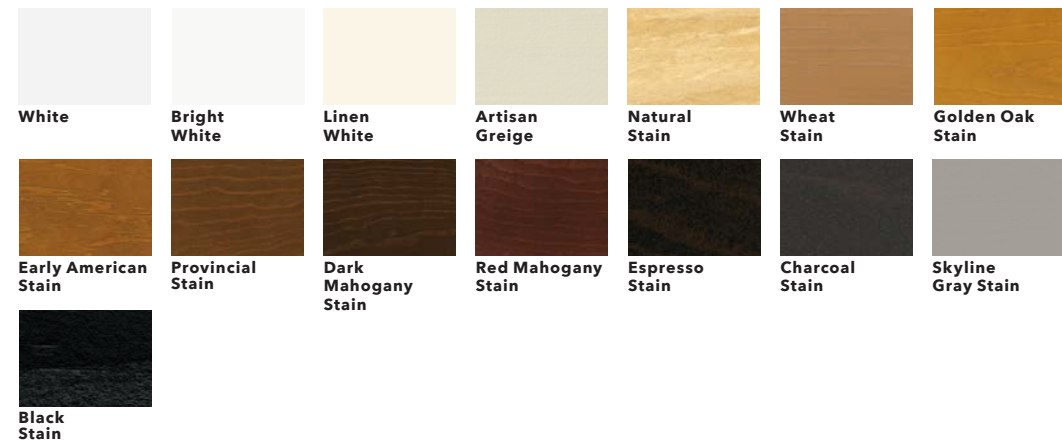
### Wood Types

Choose the wood species that best complements your project's interior.



### Prefinished Pine Interior Colors

When you select pine, we can prefinish in your choice of four paint colors or eleven stains. Unfinished or primed and ready-to-paint are also available.



### Extruded Aluminum-Clad Exterior Colors

Our low-maintenance EnduraClad® exterior finish resists chalking and fading. Take durability further with EnduraClad Plus protective finish, which meets the industry's highest exterior coating standard to defend against chalking and fading.\*



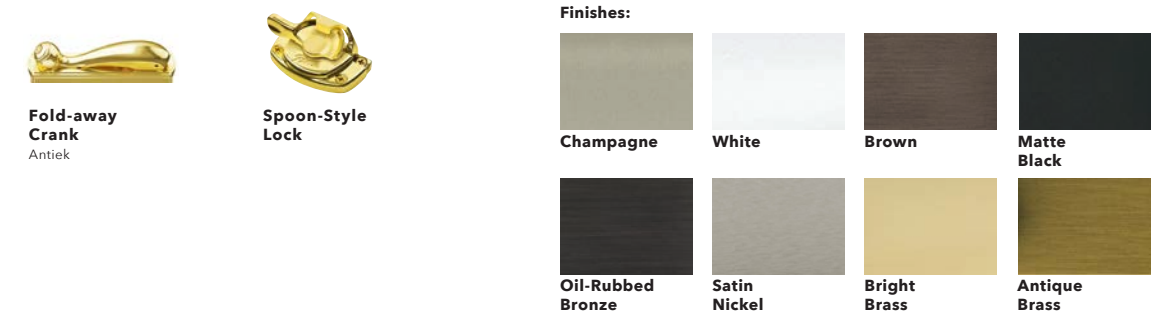
Custom colors are also available.

\* EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.

## WINDOW HARDWARE

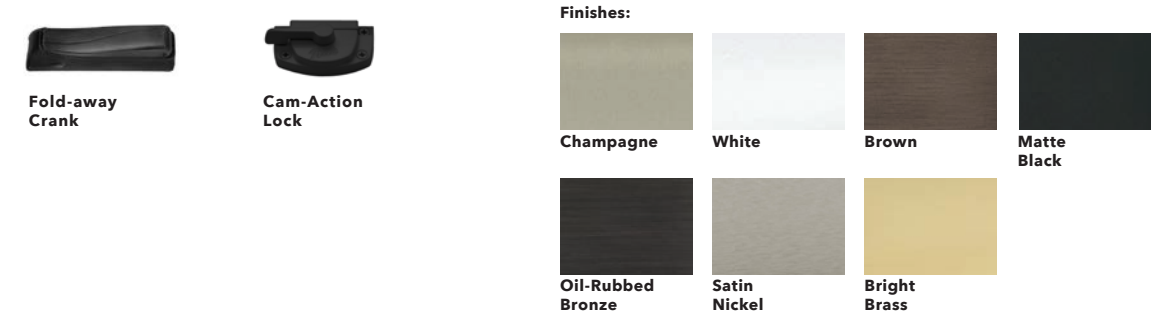
### Classic Collection

Get a timeless look with authentic styles in classic finishes.



### Essential Collection

Select from popular designs and finishes to suit every style.



## PATIO DOOR HARDWARE

### Classic Collection

Choose timeless pieces, created in collaboration with Baldwin® Hardware, for a look that will never go out of style.

### BALDWIN



### Essential Collection

Elevate your style and transform your home with elegant selections.



Additional hardware collections available. Visit [pellaADM.com](http://pellaADM.com) for more information.

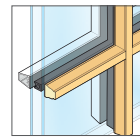
<sup>1</sup> Flush multi-slide handle is a Pella exclusive design.

<sup>2</sup> Flush multi-slide handle is not available in Antique Brass, Champagne or Polished Nickel.

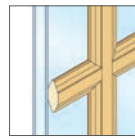
## GRILLES

### Grilles

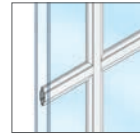
Choose the look of true divided light, removable roomside grilles or make cleaning easier by selecting grilles-between-the-glass.



**Putty Glaze  
Integral Light  
Technology® with  
Ogee Interior¹**  
5/8", 7/8" or 1-1/4"



**Roomside  
Removable  
Grilles¹**  
3/4", 1-1/4" or 2"



**Aluminum  
Grilles- Between-  
The-Glass 3/4"**



**Ogee  
Integral Light  
Technology\*¹**  
7/8", 1-1/4" or 2"

#### Grilles-between-the-glass Interior Colors:²



**White**



**Ivory**



**Tan³**



**Sand  
Dune**



**Putty³**



**Brown**



**Harvest**



**Morning  
Sky Gray**



**Brickstone**



**Cordovan**



**Black**

## GLASS

### InsulShield® Low-E Glass

Advanced Low-E insulating dual-pane glass with argon⁴

Advanced Low-E insulating triple-pane glass with argon or krypton⁴,⁵

AdvancedComfort Low-E insulating dual-pane glass with argon⁴

NaturalSun Low-E insulating dual-pane glass with argon⁴

NaturalSun Low-E insulating triple-pane glass with argon or krypton⁴,⁵

SunDefense™ Low-E insulating dual-pane glass with argon⁴

SunDefense Low-E insulating triple-pane glass with argon or krypton⁴,⁵

### Additional Glass Options

Laminated (non-impact-resistant)⁶,⁷, tinted⁴,⁶ or obscure⁴,⁶ glass also available on select products

STC (Sound Transmission Class)-improved dual-pane sound glass⁵,⁸

Impact-resistant glass⁵,⁶

## ADDED PEACE OF MIND

### Integrated Security Sensors

Choose optional, built-in security sensors powered by Insynctive® technology so you can monitor windows and doors while at home or away with the Pella Insynctive App.⁹ Learn more at [pella.com/insynctive](http://pella.com/insynctive).

¹ Color-matched to your product's interior and exterior color.

² Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

³ Only available with matching interior and exterior colors.

⁴ Optional high-altitude InsulShield Low-E glass is available with or without argon on select products.

⁵ Available on select products only. See your local Pella sales representative for availability.

⁶ Available with Low-E insulating glass with argon on select products.

⁷ For best performance, the laminated glass may be in the interior or exterior pane of the insulating glass, depending on the product.

⁸ Sound control glass consists of dissimilar glass thickness (3mm/5mm).

⁹ Requires the Pella Insynctive App on a smart device, an Insynctive Bridge and a wireless home internet router with internet connection.



REVEL IN THE AUTHENTICITY  
Featuring the industry's only foam spacer solution, Pella's Integral Light Technology® grilles help capture the look of true-divided-light without sacrificing energy performance.

99.16

\* ALL DIMENSIONS ARE IN INCHES \*

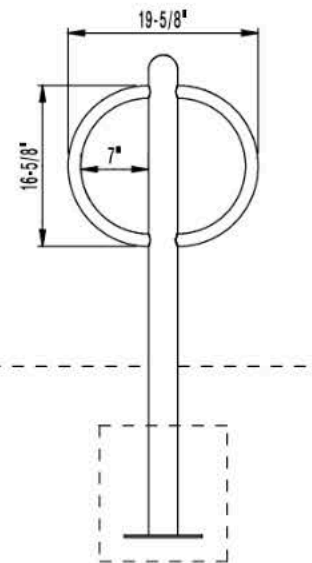
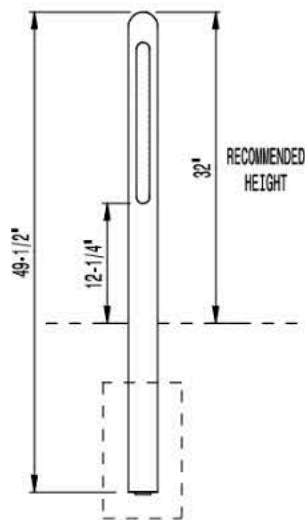
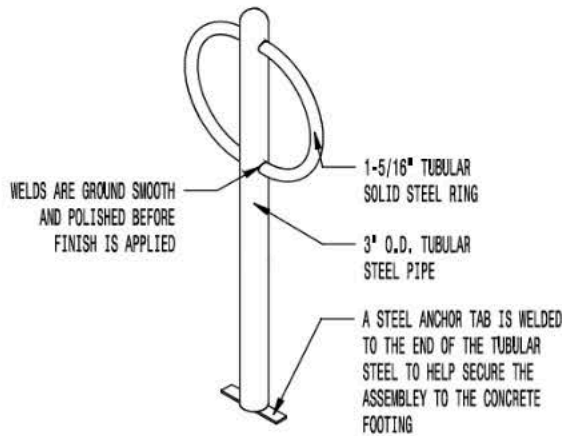
TOLL FREE (USA & CANADA): 1-888-ANTI-RAM (888-268-4726)

410-286-3375 : FAX 410-479-0175

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AVAILABLE OPTIONS:  
POWDER COATING

10 AVAILABLE COLORS, 2 OPTIONAL METALLIC  
 CUSTOM COLORS (INCLUDING THE RAL RANGE AT AN ADDITIONAL COST)  
 (ALL POWDER COAT FINISHES ARE DONE AT VICTOR STANLEY, INC. (VSI) TO MATCH THE VSI PRODUCT LINE)  
 OTHER FINISHES: GALVANIZED (SPECIAL QUOTE NEEDED)

MOUNTING  
STANDARD IN-GROUND (AS SHOWN) AND SURFACE

NOTES:

1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. THIS SECURE SITE DESIGN, L.L.C. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
5. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



BIKE RACK  
SHOWN: STANDARD IN-GROUND MOUNT

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REV. 8/8/13 DRAWN C.R.K 2013-882

NOTES:

1. Bike hoop to be in-ground mount. Cut pavers to accommodate hoop.
2. Bike hoop to be black powdercoated finish, Victor Stanley BRBS-103 or equivalent.

1

# Bike Hoop

NO SCALE

# FT-256 Charleston Fountain

**Three people are recommended for the installation of this fountain!**



## FOUNTAIN INFORMATION:

**This fountain holds approximately 20 gallons of water.**

**This fountain uses a medium fountain cover.  
(FTNCOV-MED)**

**Compatible with #10 Refill Device  
(A special stopper is required to use the refill kit for  
this fountain.)**

## Pump Kit Parts List

PK800 pump (1)  
#10 stopper (1)  
#7 drain stopper (1)  
Approx. 2" length of 3/4" clear vinyl tubing (1) \*\*  
Approx. 2" length of 5/8" clear vinyl tubing (1) \*\*  
Approx. 36" length of 1/2" black non-kink tubing (1) \*\*  
Wedges (4)  
Hose clamps (2) \*

\* Hose clamps may be used as flow restrictors

\*\* Tubing has been preassembled

## TOOLS REQUIRED:

Bubble Level



## PUMP INFORMATION:

**PP800 - 800 GPH Pump  
16 FT cord length**

## - W I N T E R   C A R E -

Fountain bowls/tops and other fountain components, which collect water, should not be left outside in the winter since any component, which fills with water and freezes may crack. Likewise, components such as pedestals, which remain in a basin, filled with water, which then freezes, may also crack or crumble. Ideally, therefore, a fountain should always be stored indoors or in a dry protected place such as a covered porch away from the elements. However, if a fountain must be left outside:

- (1) Remove pump, rubber stoppers, drainpipes, finials, and other small components for storage indoors. Note that stoppers or drainpipes are removed to allow drainage in the event water accumulates in any basin.
- (2) Raise fountain base from ground with wood strips so that base will not freeze to the ground surface.
- (3) Cover or wrap the fountain with burlap or other absorbent material (old blanket or towel) and then cover securely with plastic, making sure that water will not accumulate in the basin or other fountain component and freeze;
- (4) Check fountain periodically to ensure that plastic is secure and water is not accumulating in any fountain component.

## - G E N E R A L   F O U N T A I N   T I P S -

**Install fountains on a level surface.** You will need a properly grounded 110-volt (AC only) GFCI protected receptacle near the fountain for your pump. All pumps are submersible and must be completely underwater to function properly. Test all pumps and adjust to full output prior to assembly. It is not recommended that fountains be placed directly on grass or dirt. Position the channel opening at the base of each fountain toward the electrical outlet to be used since the pump cord will be threaded through this opening.

Check out YouTube for a "How to" video.

For more Campania product information visit [www.campaniainternational.com](http://www.campaniainternational.com)

All of our cast stone is proudly



**Made in USA**

# FT-256 Charleston Fountain

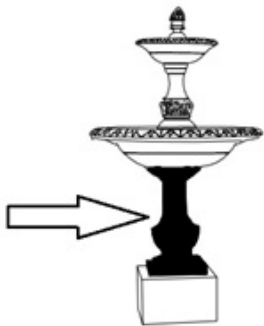
## Three people are recommended for the installation of this fountain!

Assemble your fountain on a level surface capable of holding a minimum of 1100 pounds with an approximate 2.75 square foot footprint.



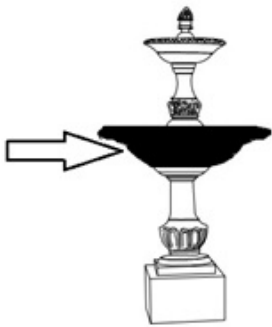
FT-239J (242 lbs)  
20"L x 20"W x 12"H

1. Place the base (FT-239J) into position where the fountain will be installed, ensuring that it is level.
  - a. **Note: Check that all components are leveled as the fountain is assembled.**



FT-256F (217 lbs)  
15.75"W x 28.5"H

2. Position the large pedestal (FT-256F) over the base (FT-239J).



FT-256E (308 lbs)  
46.5"W x 10"H

3. Center the large bowl (FT-256E) over the large pedestal (FT-256F).
4. Assemble the fountain plumbing
  - a. Attach the 3/4" clear tubing to the pump outlet.
  - b. Place a hose clamp over the other end of the 1/2" non-kink tubing
  - c. Place the stopper around the pump cord approximately 8" from the pump.



FT-256C (72 lbs)  
10.75"W x 24.75"H

5. Feed the pump cord all the way through the hole in the large bowl (FT-256E), through the large pedestal (FT-256F), and out of the opening in the bottom of the base (FT-239J).
6. **FIRMLY** press the stopper into the hole evenly.
  - a. **Note: Using the handle of a screwdriver or hammer works best to press the stopper in place.**
7. Place the pump cover (FT-256C) over the pump.
8. Feed the tubing connected to the pump through the top of the pump cover (FT-256C).

## FT-256 Charleston Fountain

**Three people are recommended for the installation of this fountain!**



FT-256B (60 lbs)  
22.25"W x 6.25"H

9. Connect the 1/2" non-kink tubing to the pipe protruding from the bottom of the small bowl (FT-256B) with the hose clamp.
10. Center the small bowl (FT-256B) on the pump cover (FT-256C).



FT-256A (10 lbs)  
5"W x 13"H

11. Fit the finial (FT-256A) into the small bowl (FT-256B) by feeding the protruding copper pipe from the bowl into the copper pipe hole in the finial.



FT-256D (4 lbs)  
5" L x 1.5"W x 5"H

12. Place the pump cover door (FT-256D) into the pump cover (FT-256C).



FT-239L (8 lbs)  
8.25"L x 1.75"W x 6.5"H

13. Place the base door (FT-239L) into the base (FT-239J).

14. Fill the fountain with water.



# RICHCLIFF® ANN ARBOR, MICHIGAN

Beauty and strength perfected.

Inspired by the texture of natural cut flagstone, Richcliff offers superior durability and timeless appeal for streetscapes, plazas and many more applications. A multitude of stone textures were cast using Reala™ Technology, which ensures that finished projects will have a completely random, natural and authentic appearance. Unlike natural stone, which can crack, split and fade, Richcliff is virtually indestructible. Ultima™ Concrete Technology makes Richcliff up to four times stronger than conventional poured concrete. The large rectangle size is available for use on its own or in combination with the traditional 3-stone random bundle for expanded patterning options and a larger scale look.



PEBBLE TAUPE

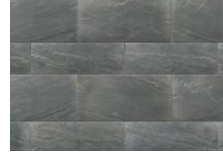


DAWN MIST



DAWN MIST/PEBBLE TAUPE

SOLD SEPARATELY  
BLENDED ON SITE



SMOKE SHALE



LARGE RECTANGLE  
52.8 CM X 30.2 CM X 6 CM  
20.75" X 11.875" X 2.375"  
SOLD SEPERATELY

### Random Bundle



RECTANGLE  
30 CM X 22.6 CM X 6 CM  
11.75" X 8.875" X 2.375"



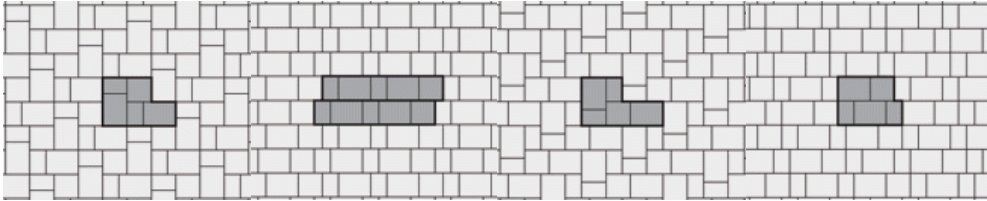
SQUARE  
22.6 CM X 22.6 CM X 6 CM  
8.875" X 8.875" X 2.375"



SMALL RECTANGLE  
22.6 CM X 15 CM X 6 CM  
8.875" X 5.875" X 2.375"

Stones & Bundling	Unit	SqFt Per			Per Bundle	Soldier LnFt Per		Sailor LnFt Per		Units Per		Lbs Per	
	Thickness	Bundle	Layer	Stone	Layers	SqFt	Bundle	SqFt	Bundle	SqFt	Bundle	Layers	Bundle
Random Bundle	2-3/8" (6cm)	90.3	11.29		8			1.31	118.22		160	309	2472
Rectangle	2-3/8" (6cm)			0.73					63	1.37	64		
Square	2-3/8" (6cm)			0.55					23.7	1.82	32		
Small Rectangle	2-3/8" (6cm)			0.365					47.5	2.74	64		
Large Rectangle	2-3/8" (6cm)	82.38	10.3	1.72	8	0.58	47.6	1.01	83.1	0.58	48	301	2411

Notes: Sold as full bundles or half bundles (where available) only on a refundable skid. All measurements are nominal. **Important: Textured surfaces require a buffer between the plate compactor and the paver surface to prevent scuffing.** Contact Unilock for more information.



**Richcliff A**

9" x 12" (53%) 9" x 9"  
(20%) 6" x 9" (27%)

**Richcliff B**

9" x 12" (53%) 9" x 9"  
(20%) 6" x 9" (27%)

**Richcliff C**

9" x 12" (53%) 9" x 9"  
(20%) 6" x 9" (27%)

**Richcliff D**

9" x 12" (53%) 9" x 9"  
(20%) 6" x 9" (27%)

**Lunch n' Learn Seminars**

**Sample Request**

**Info Request**

# RIVERCREST® WALL ANN ARBOR, MICHIGAN

PLEASE SPEAK TO YOUR LOCAL REPRESENTATIVE REGARDING AVAILABILITY.

Stacked flagstone has been used for centuries for small garden walls and pillars. With Rivercrest™ Wall, you get the character and flexibility of natural stone combined with the durability and affordability of concrete.

Special Order Colors



COASTAL SLATE



BUFF

Minimum quantities and special pricing may apply. Contact us for more details.



With so many different options for customization we ask that you contact your local Unilock Representative for more information about customizing this product.

Minimum quantities will apply.

Special Order Shapes & Sizes



**JUMPER CORNER UNIT**  
30 CM X 25 CM X 11.4 CM  
11.75" X 9.875" X 4.5"



**PILLAR UNIT**  
50 CM X 50 CM X 11.4 CM  
19.625" X 19.625" X 4.5"



**RAPID PILLAR SYSTEM**  
- CM X - CM X - CM  
0" X 0" X 0"



**U-GRIP™ BASE PAD**  
48.2 CM X 35.5 CM X 5.5 CM  
19" X 14" X 2.125"



**UNIVERSAL BASE**  
48.2 CM X 35.5 CM X 5.5 CM  
19" X 14" X 2.125"

### Wall Jumper Unit Bundle



**JUMPER UNIT 1**  
20 CM X 25 CM X 11.4 CM  
7.875" X 9.875" X 4.5"



**JUMPER UNIT 2**  
30 CM X 25 CM X 11.4 CM  
11.75" X 9.875" X 4.5"



**JUMPER UNIT 3**  
30 CM X 25 CM X 11.4 CM  
11.75" X 9.875" X 4.5"



**JUMPER UNIT 4**  
42.5 CM X 25 CM X 11.4 CM  
16.75" X 9.875" X 4.5"

Minimum quantities and special pricing may apply. Contact us for more details.

Stones & Bundling	Face Feet Per		Linear Feet Per		Units Per		Per Bundle	Lbs Per	
	Bundle	Unit	Bundle	Unit	Bundle	Face Feet	Layers	Unit	Bundle
2 Unit Corner Bundle	16.21				40		4	29	1173

Long Corner Unit	8.52	0.426			20	2.35			
Short Corner Unit	7.69	0.385			20	2.6			
Pillar Unit					8		4	117	934
4 Unit Jumper Bundle	24.3		65.34		64		4	39	2720
Long Corner Unit 1	3.93	0.245	10.5	0.656	16	4.07			
Long Corner Unit 2	6.09	0.38	16.27	1.017	16	2.63			
Long Corner Unit 3	6.09	0.38	16.27	1.017	16	2.63			
Long Corner Unit 4	8.2	0.513	22.3	1.394	16	1.95			
Wall Standard Bundle	24.3		130.69		128		8	15	2015
Standard Unit 1	3.93	0.123	20.99	0.656	32	8.15			
Standard Unit 2	6.09	0.19	32.54	1.017	32	5.26			
Standard Unit 3	6.09	0.19	32.54	1.017	32	5.26			
Standard Unit 4	8.2	0.256	44.61	1.394	32	3.9			
Jumper Corner Unit	21.6	0.68			32	1.48	4		1280

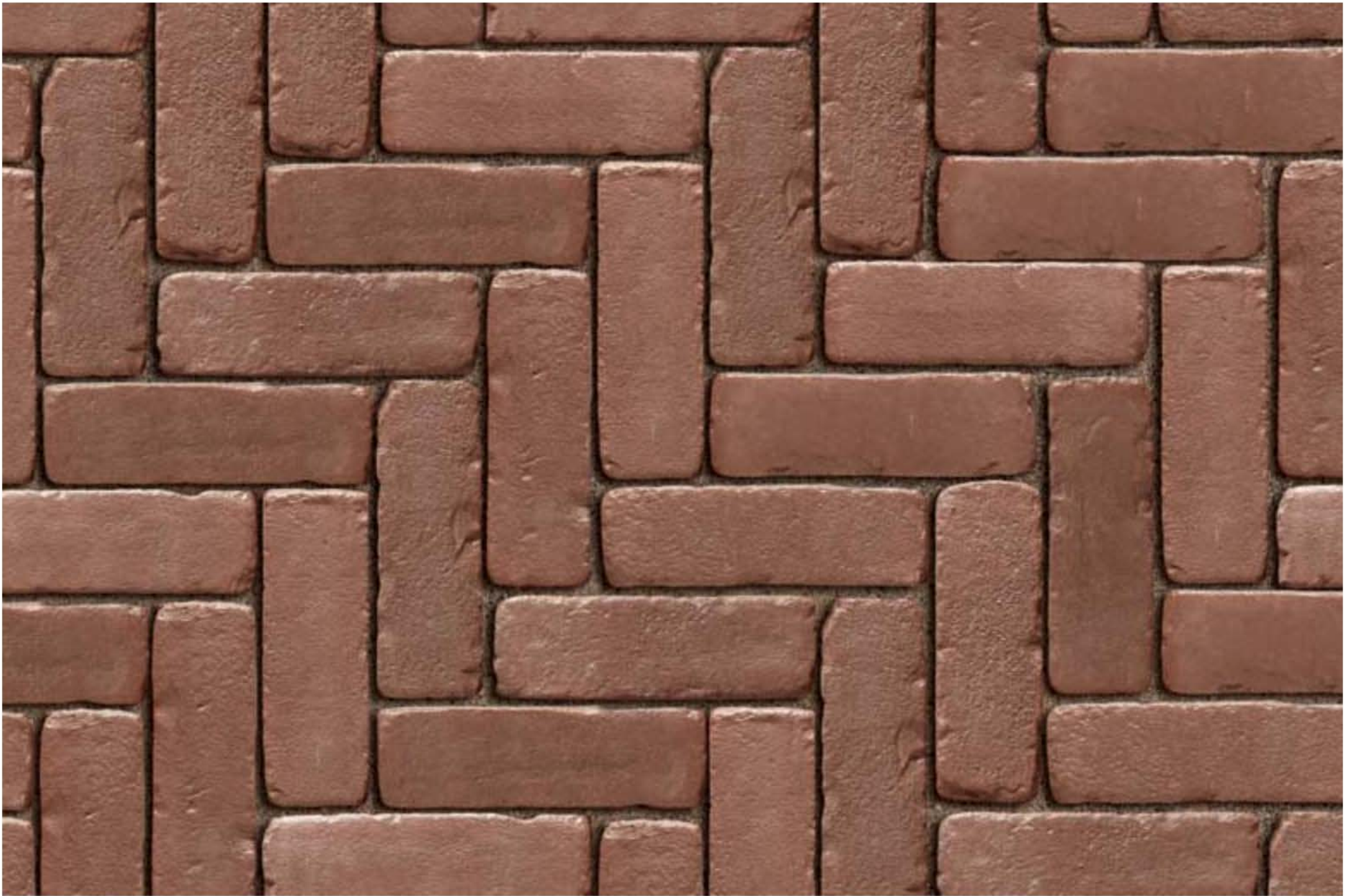
Notes: **Sold in full bundles only.** Integrated connectors require no pins or clips. Minimum radius using equal amounts of each unit is 1.25m / 4.1ft. Using only unit 1 & 3 a 1.055m / 3.5ft radius can be achieved. Contact your local Unilock representative for details.

No records found.

**Lunch n' Learn Seminars**

**Sample Request**

**Info Request**



Old Oak

Close

# COPTHORNE® ANN ARBOR, MICHIGAN

Old world charm. New age technology.

Inspired by the rich color and timeworn beauty of European street pavers Copthorne is cast using Reala™ Technology for an authentic surface appearance. The Ultima™ Concrete delivers up to four times the strength of conventional poured concrete and is a timeless beauty for plazas, walkways, vertical feature accents and many more commercial applications.



BURGUNDY RED



BURNT CLAY



OLD OAK



3 COLOUR BLEND  
SOLD SEPARATELY  
BLENDED ON SITE



BASALT

Special Order Colors



STEEL BLUE

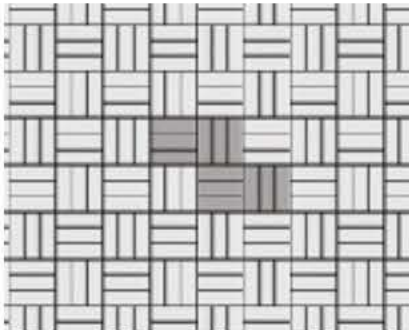
Minimum quantities and special pricing may apply. [Contact us](#) for more details.



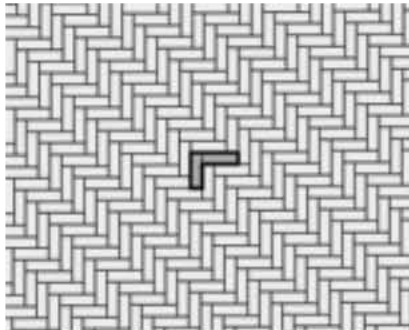
STANDARD  
20 CM X 6.5 CM X 6 CM  
7.875" X 2.5" X 2.375"

Stones & Bundling	Unit	SqFt Per			Per Bundle	Soldier LnFt Per		Sailor LnFt Per		Units Per		Lbs Per	
	Thickness	Bundle	Layer	Stone	Layers	SqFt	Bundle	SqFt	Bundle	SqFt	Bundle	Layers	Bundle
Standard	2-3/8" (6cm)	89.2	11.15	0.149	8	0.66	125	0.21	393.75	6.73	600	294	2349

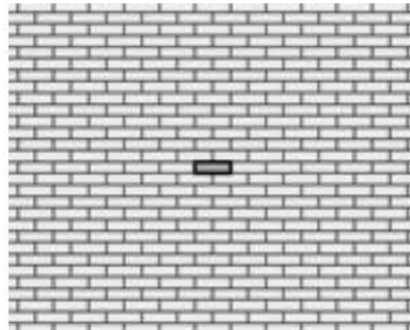
Notes: **\*Sold in full bundles only** and shipped on a refundable skid. All measurements are nominal. **Important: Textured surfaces require a buffer between the plate compactor and the paver surface to prevent scuffing.** Contact Unilock for more information.



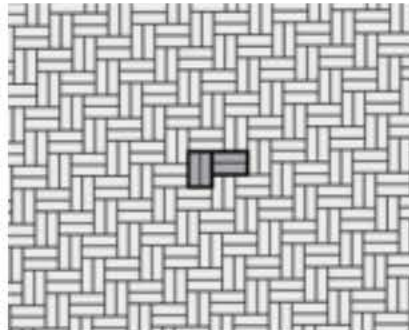
Copthorne A  
Standard (100%)



Copthorne B  
Standard (100%)



Copthorne C  
Standard (100%)



Copthorne D  
Standard (100%)











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6789 GOLDSMITH ST  
DETROIT, MI 48209  
OFFICE: (313) 961-6966  
INFO@DIRONWORK.COM

TITLE: STEP RAILS

CLIENT:  
D.A. HAIG  
CONSTRUCTION

W.O. # 17222

FILE NAME:  
17222-HAIG-SR-B

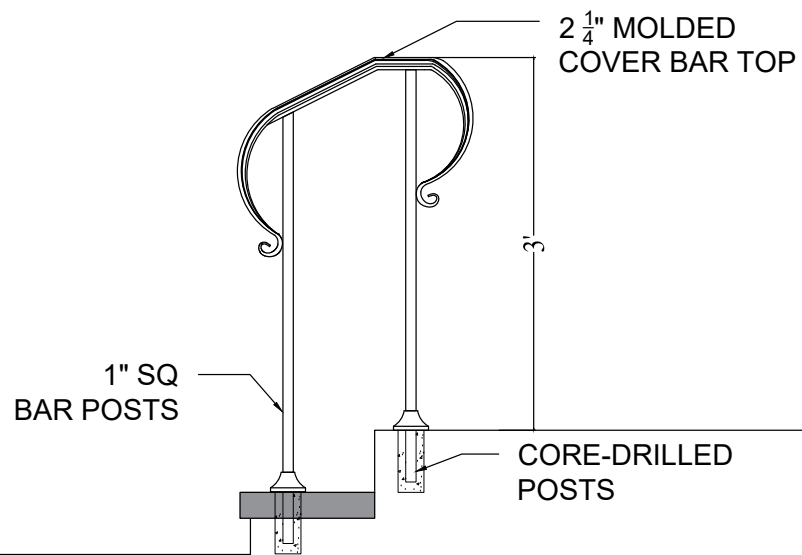
DATE: 05/28/2021

SITE ADDRESS:  
848 CHICAGO  
DETROIT, MI 48202

SCALE: 1" = 1'

NOTES:

FINISH = GALVANIZED &  
POWDER COAT TBD



**1** ELEVATION VIEW  
SCALE: 1" = 1'

