

PROJECT Kercheval Streetscape

PROJECT NO. 10812.001 (Detroit St. Task 1)

SUBMITTAL NO. 09 - Planter Rail

DESCRIPTION Planter Rail

DATE RECEIVED 5/5/2020

DATE RETURNED 5/7/2020

Review is only for the limited purpose of checking for general conformance with information given and the design concept expressed in the Contract Documents. Refer to attached for additional SmithGroup comments and/or review codes. The final review code prevails.

SMITHGROUP ACTION		
DISCIPLINE	REVIEWED BY	REVIEW CODE
Landscape Architecture	Brian Charlton	Approved as Noted
FINAL REVIEW CODE:		Approved as Noted

GENERAL REVIEW COMMENTS:

Planter Rail is Approved as Noted below:

- Field verify railing locations and orientations with Engineer prior to proceeding with fabrication.
- Field verify site conditions and as-built dimensions of proposed planter rail locations prior to fabrication and installation.
- Finish paint color to be "Matte Black" submit color sample as separate submittal for review and approval.
- Cast-in-place footings to be 2' dia. by 3'-6" depth from finish ground surface
- Vertical 6"x6" HSS post to terminate 6" before bottom of concrete footing

KERCHIVAL
STREETSCAPE
PLANTER RAIL

POST LOCATIONS TO BE
COORDINATED AND FIELD
VERIFIED PRIOR TO
FABRICATION

COLOR: MATTE BLACK

ALL MATERIAL TO BE
GALVANIZED; PER ASTM
A123/ A153 STANDARDS
PRIOR TO
POWDERCOATING

PAIRS OF STEEL ANGLES
AND PLATES ALTERNATE
ORIENTATION BETWEEN
POSTS

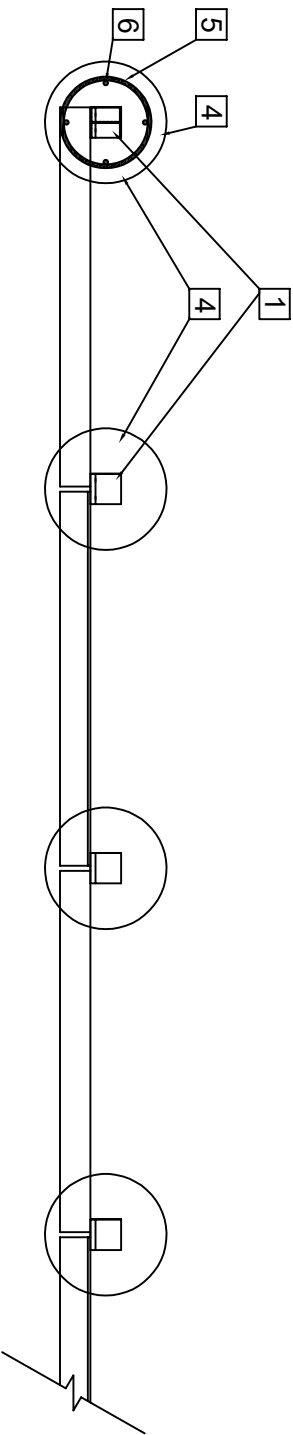
GRAPHIC AND/OR ARTISTIC
PAINTING TO BE APPLIED
TO ANGLES / PLATES BY
OTHERS

No.	Revision/Issue	Date

NATIONWIDE
CONSTRUCTION
GROUP
69951 LOWE PLANK RD.
RICHMOND, MI 48062

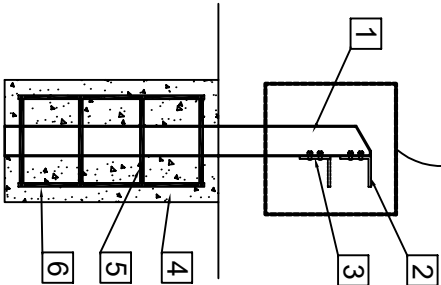
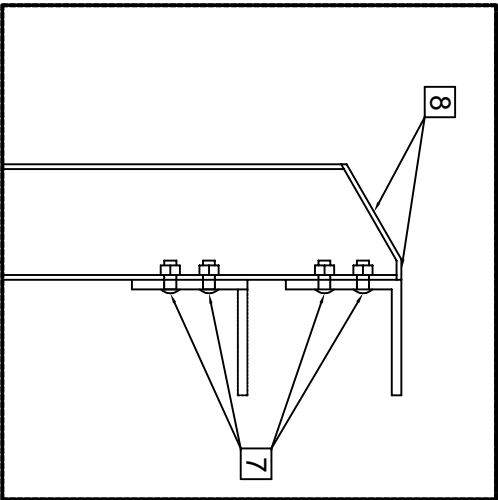
KERCHIVAL
STREETSCAPE - PLANTER
RAIL SHOP DRAWING

Project	Sheet
PLANTER—RAIL	
Date	01
4/1/2020	
Scale	
NOTTOSCALE	



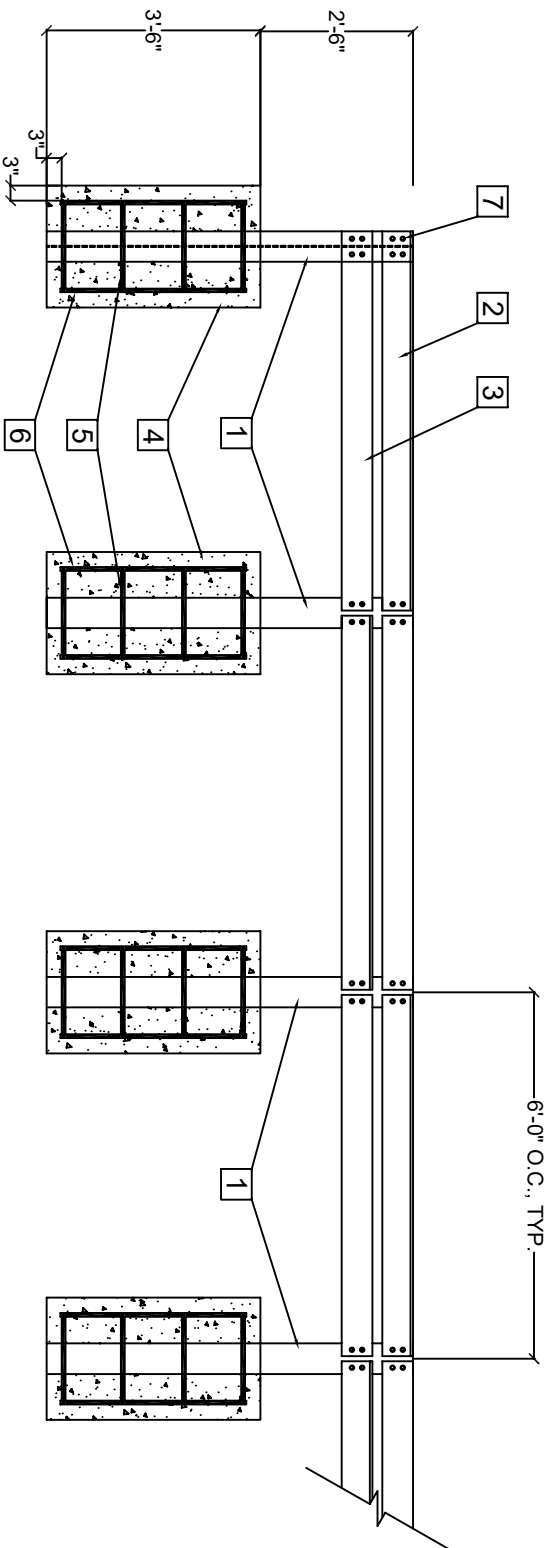
PLAN VIEW

NOT TO SCALE



SIDE VIEW

NOT TO SCALE



FRONT VIEW

NOT TO SCALE

- 1 VERTICAL 6" X 6" HSS POST
- 2 1/2" THICK 6" X 6" STEEL ANGLE
- 3 1/2" THICK X 6" STEEL PLATE
- 4 CAST IN PLACE CONCRETE FOOTING
- 5 #4 @ 12" TIES
- 6 (4) - #6 VERTICAL BARS
- 7 5/8" X 2" SPLICE BOLT
- 8 PLATE CAPPED POST



NATIONWIDE
CONSTRUCTION GROUP
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April 1, 2020

Re: Kerchival Streetscape

PLANTER RAIL

Quality Assurance

- **Mock-Up:** Provide a mock-up for evaluation and application workmanship.
 1. Finish areas designated by Architect.
 2. Do not proceed with remaining work until workmanship and color are approved by Architect.
 3. Refinish mock-up area as required to produce acceptable work.
- **Welding Standards:** Comply with applicable provisions of AWS 01.1 "Structural Welding Code-Steel" and AWS 01.3 "Structural Welding Code-Sheet Steel."

Materials

- **Steel:**

Ferrous metals shall meet the following requirements:

 1. Steel Plates, Shapes, and Bars: ASTM A 36.
 2. Steel Tubing: ASTM A 500, Grade B.
 3. Fasteners: All anchor bolts, nuts, and washers shall meet ASTM A325.
 4. All materials shall be provided with smooth surfaces and be free of blemishes
- **Fabrication:**
 1. Fabricate planter edge, handrails and railings and design, dimensions and details shown. Provide fabricated pieces in sizes and profiles indicated, with supporting posts and brackets of size and spacing shown.
 2. Fabricate handrails and railings of materials for interconnections of members by welding. Preassemble planter edge and in shop to maximum extent practicable and consistent with shipping and handling limitations. Perform welding to comply with applicable AWS specifications, using method appropriate for metal and finish indicated. Grind exposed welds smooth and flush to match and blend with adjoining surfaces. Close exposed ends of all tubular steel members unless otherwise noted on plans. The gap created when steel bar stock and tubular sections are joined is to be filled with a fillet weld and ground smooth to create the appearance that there is no joint between the two pieces.
 3. For tubular steel members exposed to moisture from condensation or other sources, provide weep holes.
 4. Provide flanges, miscellaneous fittings, hardware, and anchors for interconnection of the planter edge and bollards to other work, unless otherwise indicated. Furnish inserts and other anchorage devices for connecting planter edge segments and bollards to concrete or masonry work. Fabricate and space anchorage devices as indicated and as required to provide adequate support. Coordinate anchorage devices with supporting structure.

- Finish:

All parts of the planter edges and bollards shall be finished utilizing a paint system formulated to provide a "duplex system" with the galvanized coating. The paint system shall consist of a high solid polyamide epoxy primer and color pigmented, two-component high build aliphatic polyurethane finish (topcoat), matte finish both supplied by the same manufacturer.

Galvanize: Per ASTM A123/A153 Standards (See Attached Letter from V & S Galvanizing); additional smoothing to meet ASTM D6386 sec. 5.2 and 5.2.1 requirements.

Primer: Per Spec, coated to 5 mils, primer used from approved manufacturer

Paint: Per Spec, coated to 3 mils, paint used from approved manufacturer; Final Color "COLOR LOGIC C703 MEDIUM GREY" to be approved by owner and architect

- Repairs:

All minor scratches and abrasions, which occur in the field shall be cleaned, primed and painted in accordance the manufacturers recommendations. If the galvanizing has been damaged apply repair paint in accordance with ASTM A780. If over 0.5% of the total surface area of a planter edge section finish is damaged, then the entire panel shall be sent back to the shop and recoated.

Installation

Perform fitting required for installing metal fabrications, no field welding. Set units accurately in location, alignment, and elevation, and free from rack.

6" x 6" HSS posts to be set 6' O.C. in 24" x 42" concrete footing 6' O.C. per shop drawing.

6" x 6" x 1/2" Steel Angle; 6" x 1/2" Steel Plate Connected to Bracket via ASTM A325 Carriage Bolt 5/8" x 2" Galvanized splice bolts; Nut, bolt, and washer to be coated to same standard as rails and posts

All horizontal members of the planter edge shall be erected parallel to the walking surface.