



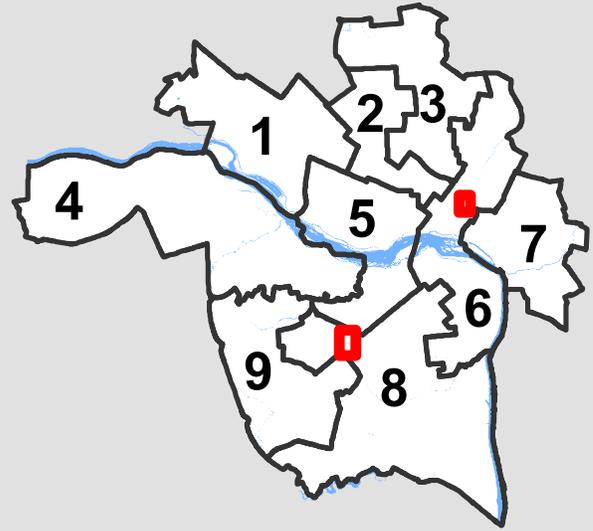
City of Richmond Department of Planning & Development Review

Location, Character, and Extent

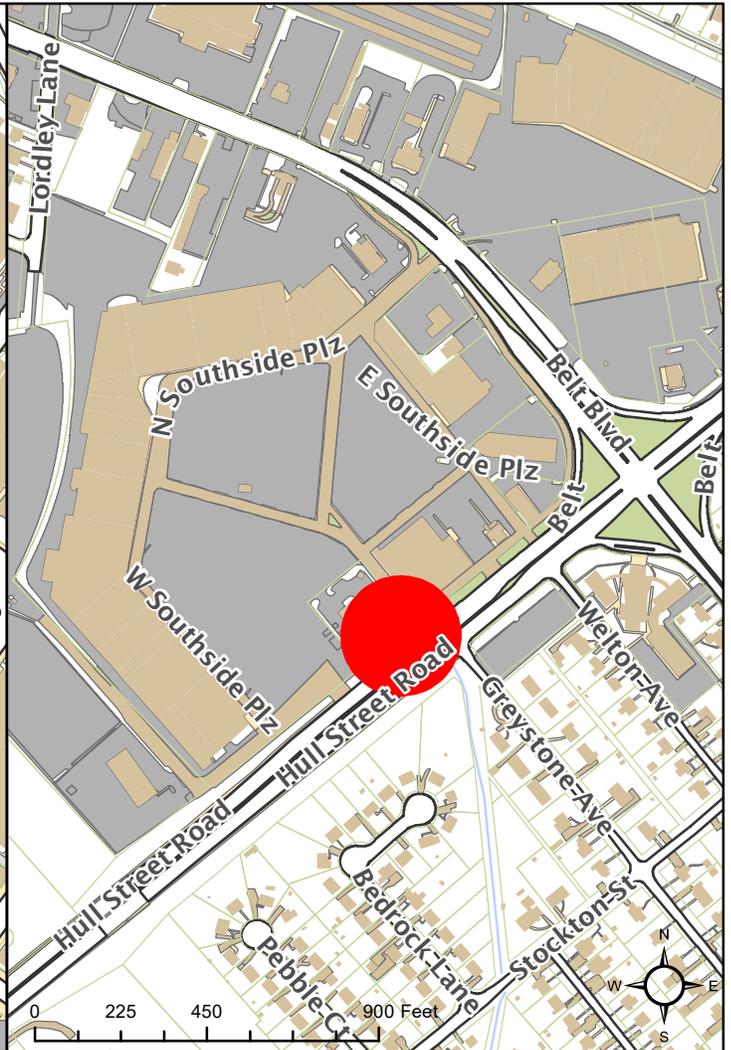
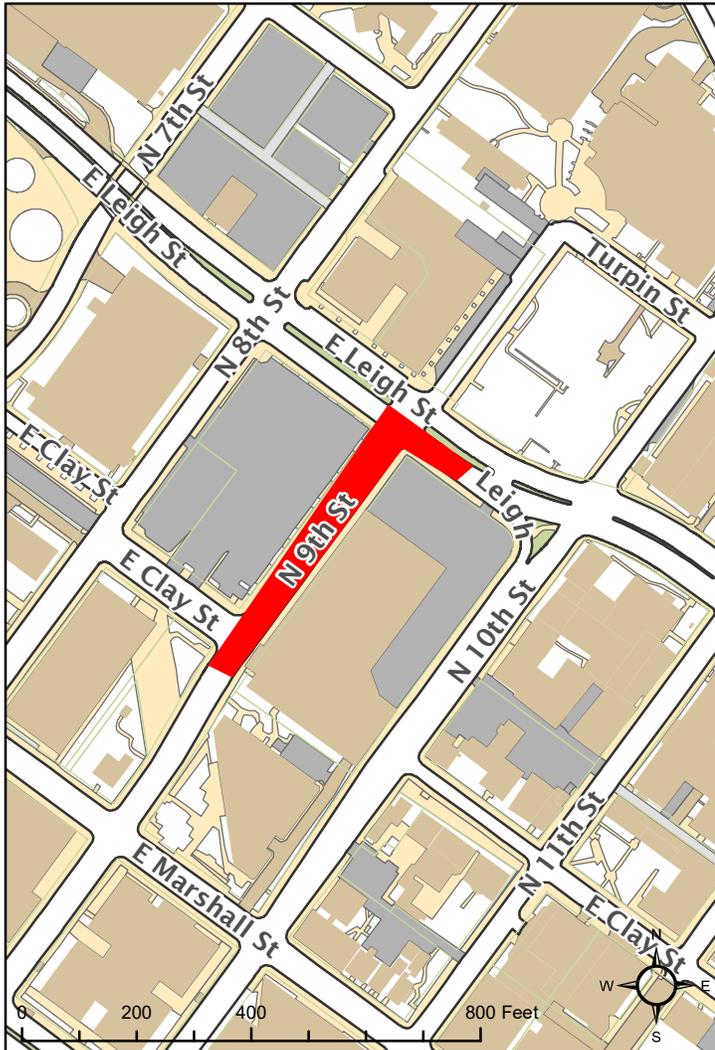
LOCATION: 500 N. 9th Street; 4110 Hull Street

COUNCIL DISTRICT: 6, 8

PROPOSAL: Final review of new, enhanced bus shelters to replace existing shelters as part of the Richmond Transit Network Plan.



For questions, please contact Josh Son
at 646-3741 or joshua.son@richmondgov.com





Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219
(804) 646-6335

<http://www.richmondgov.com/CommitteeUrbanDesign>

Application Type

- Addition/Alteration to Existing Structure
 New Construction
 Streetscape
 Site Amenity

- Encroachment
 Master Plan
 Sign
 Other

Review Type

- Conceptual
 Final

Project Name: Richmond Transit Network Plan (RTNP) Implementation

Project Address: 500 N. 9th Street, Richmond, VA 23219 and 4110 Hull Street Road, Richmond, VA 23224

Brief Project Description (this is not a replacement for the required detailed narrative) : The City of Richmond and GRTC are implementing the RTNP. As part of this implementation they are replacing existing transit shelters with new shelters that provide more coverage from the elements. These existing shelters are being replaced at the Temporary Transfer Plaza and Southside Plaza locations (see attached conceptual plans).

Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: Amy Inman Email: Amy.Inman@richmondgov.com

City Agency: Multimodal Transportation Phone: 804-646-5871

Address: 900 E. Broad Street, 15th Floor

Main Contact (if different from Applicant): _____

Company: _____ Phone: _____

Email: _____

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.



URBAN DESIGN COMMITTEE
Richmond Transit Network Plan (RTNP) Implementation

City of Richmond
Urban Design Committee
c/o Joshua Son
900 East Broad Street
Room 510
Richmond, VA 23219

1) Purpose and Background

The City of Richmond and GRTC Transit System have collaborated since January 2016 to develop a new bus network known as the Richmond Transit Network Plan (RTNP) that restructures the existing transit routes in a manner that will provide seamless connectivity to the GRTC Pulse Bus Rapid Transit (BRT) and provide the citizens of Metro Richmond with service that will allow them to travel further faster while maintaining service in areas that have low density and less population.

The existing transit amenities at the Temporary Transfer Plaza (TTP) do not provide adequate shelter from the wind and rain. There will also be a new stop placed along Hull Street in the Southside Plaza area that is proposed to have a three-sided shelter. The City of Richmond and GRTC would like to replace the existing shelters at the TTP and add the new shelter on Hull Street adjacent to the Southside Plaza area.

2) Project Schedule

The overall conceptual schedule for the removal of existing shelters at the TTP and installation of new shelters at the TTP and Southside Plaza is:

- Approval by UDC of shelter design and TTP Project February 2018
- Architecture and Engineering Plans February 2018
- Order Shelters February 2018
- Manufacture and Delivery of Shelters to GRTC February – May 2018
- Bidding and Awarding Contract for TTP Removal and Bid Package February – May 2018
- Removal of Shelters at TTP May – June 2018
- Installation of New Shelters at TTP and Southside Plaza May – July 2018
- Completion of Construction and Acceptance of New Shelters August 2018

3) Project Budget and Funding Sources

GRTC will use 5307 Federal Transit Administration grant funds with the required state and/or local match. The Project scope and estimated cost breakdown for the TTP includes:

Cost adjustments for solar + bench and revised estimate:

Shelters: \$6,575 each + solar package (option of \$1,275) + 12ft long attached bench w/4 armrests (\$760) x 7 = \$60,270

Install labor: \$4,305 each x 7 = \$30,135

Profit & Overhead (20%) = \$18,081



Removal of 9 existing shelters at TTP = \$92,500.

Total range with solar + bench = \$200,986 (note: this is for shelters only and does not include site improvements at TTP/SSP).

Downtown Temporary Transfer Plaza (TTP)

- Removal of 9 existing custom shelters at TTP = **\$92,500 (under separate contract);**
- Removal of signage at Bays K & L (street markings and bollards will remain to indicate bus staging locations) = **\$600;**
- Purchase of 6 new manufactured shelters w/acrylic sides and rear wall (\$6,575 each) = **\$39,450;**
- Installation of 6 new shelters = **\$24,000**
- Installation of solar package at 6 shelters (\$ 1,275 each) = **\$ 7,650**
- 12ft long attached bench w/4 armrests (\$760) x 6 = **\$4,560**
- Site prep for shelters - \$1,000 each x 6 = **\$6,000**
- Removal of 3 benches (\$636) + removal of 3 trashcans (\$522) = **\$1,158;**
- **Total: \$175,918**

The project scope and estimated cost breakdown for the Southside Plaza area includes:

Southside Plaza

- Southside Plaza - at Hull Street location – remove existing bench - **\$212;**
- Three curb cuts - **\$1,000;**
- One new trashcan - **\$258;**
- Construction of sidewalk and new shelter pad = **\$15,000;**
- Purchase of 1 new manufactured shelters w/acrylic sides and rear wall with front windscreen panel = **\$7,825;**
- Installation of solar package at 1 shelters (\$ 1,275 each) = **\$ 1,275**
- 12ft long attached bench w/4 armrests (\$760) x 1 = **\$760**
- Installation of one new shelter w/front windscreen panel - **\$3,960**
- **Total = \$30,290.**

Total estimated project cost with the above scope of work at TTP and SSP: \$206,208 + 10% contingency = \$226,829.

4) Description of Construction Program and Estimated Construction Start Date

The construction program will consist of the removal of the nine existing shelters at the TTP. Existing signage will be removed at Bays K and L at the TTP. After removal of existing amenities, the TTP site will be prepared and six new shelters installed. Please refer to the attached conceptual plans for locations and associated details. Please see attached rendering that displays the proposed shelter at the TTP (Figure 1).



At Southside Plaza, along Hull Street in front of the McDonalds, the construction program consists of removal of the existing bench, installation of new sidewalk, curb cuts, and shelter pad. After site preparation, a new transit shelter will be installed. Please refer to the attached conceptual plan for location and associated details. Please see attached rendering that display the proposed shelter at Southside Plaza (Figure 2).

The estimated construction start date for both the TTP work and Southside Plaza work is May 2018. The attached Hip Slimline Shelter by Brasco International is proposed. The specific proposed shelter is the Dutch hip with standing seam aluminum roof and 2.5" fascia with full side walls. A front windscreen panel is proposed for the shelter on Hull Street, and acrylic sides will be installed for every shelter.

4) Responses to UDC Review of Conceptual Design

The following comments were made by UDC at the Conceptual Design meeting on 1/4/18:

- That the applicant coordinate with the Urban Forestry division to ensure the installation of the new bus shelter and sidewalks at 4110 Hull St. do not negatively impact the existing landscape elements such as trees or shrubs
- That the applicant consider incorporating the use of solar panels to better illuminate the bus shelters
- Provide specifications for benches, paint color, and other finishes for final review
- That GRTC coordinates with DPW to ensure better pedestrian connectivity between the bus shelter, the neighborhood, and the Southside community overall

During the preliminary engineering design phase the applicant will coordinate with Urban Forestry to ensure that the installation of the new bus shelter and sidewalks at 4110 Hull St. do not negatively impact the existing landscape elements such as trees or shrubs.

Solar panels will be included with each shelter. Brasco provided an aesthetic example (Figure 3).

Specifications for the benches are included in this package. A paint color example was shipped by Brasco and was delivered to Josh Son for dissemination to the UDC.

DPW currently has plans to provide better pedestrian connectivity via the Hull Street Project (City of Richmond is applying for State and Federal Funds but this project is currently not funded). The City of Richmond DPW will follow the adopted Complete Streets policy when implemented their project (when funds are received) to ensure better pedestrian connectivity.



Figure 1 – Rendering of Shelter at TTP





Figure 2 – Rendering of Shelter at Southside Plaza





Figure 3 – Shelter with Solar Panels





GRAPHIC SCALE IN FEET
0 32.5 75 150



INSET A

E. LEIGH STREET

BUS TRANSFER CENTER

N. 9TH STREET

E. CLAY STREET

N. 7TH STREET

N. 8TH STREET

N. 10TH STREET

E. MARSHALL STREET

CITY HALL

E. BROAD STREET

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KHA PROJECT
113257016
DATE
12/6/2017
SCALE AS SHOWN
DESIGNED BY JHO
DRAWN BY CRH
CHECKED BY DMC

9th Street
Temporary Transfer Center

Richmond

Virginia

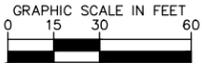
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DATE:

PROJECT
AREA

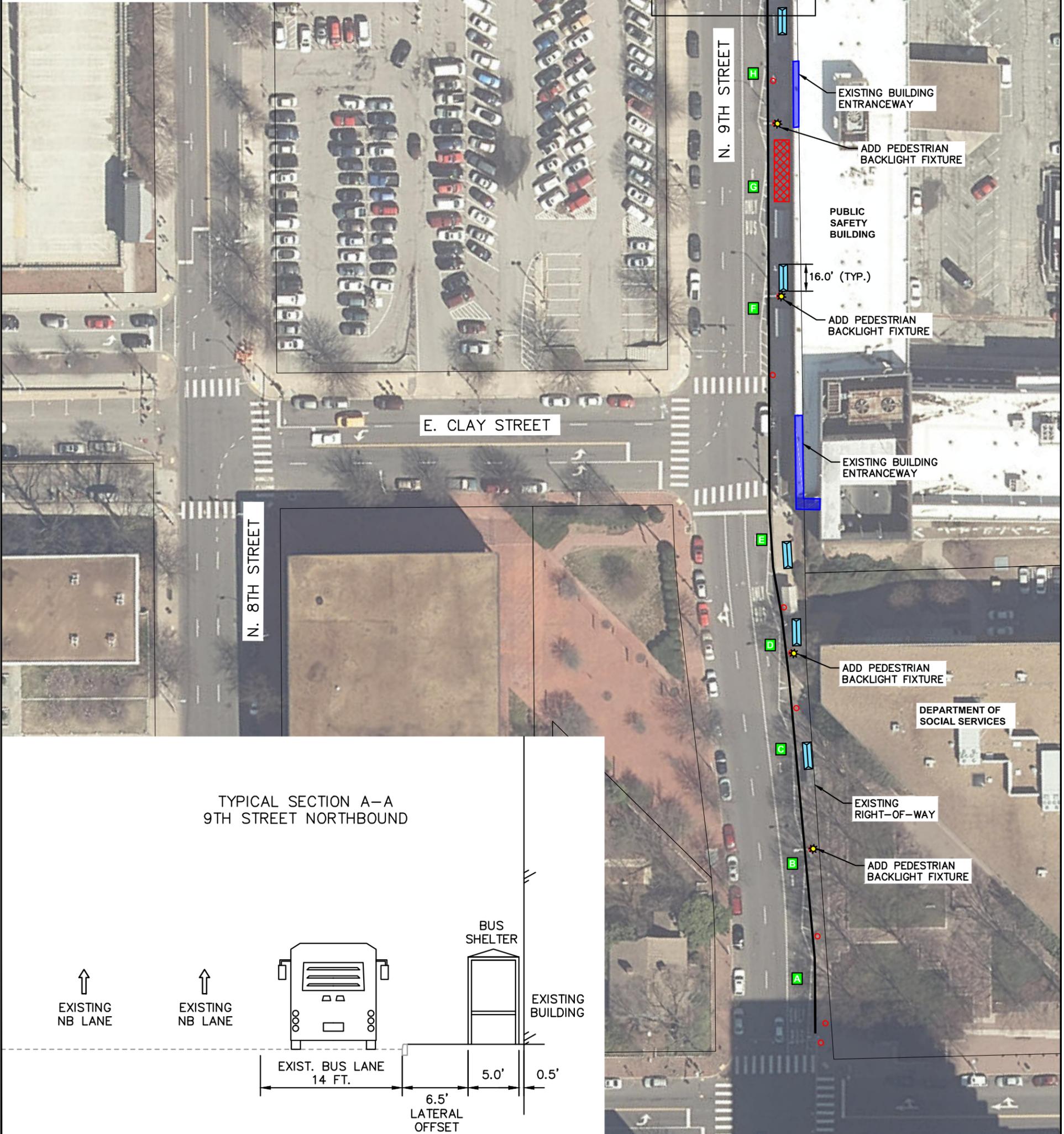
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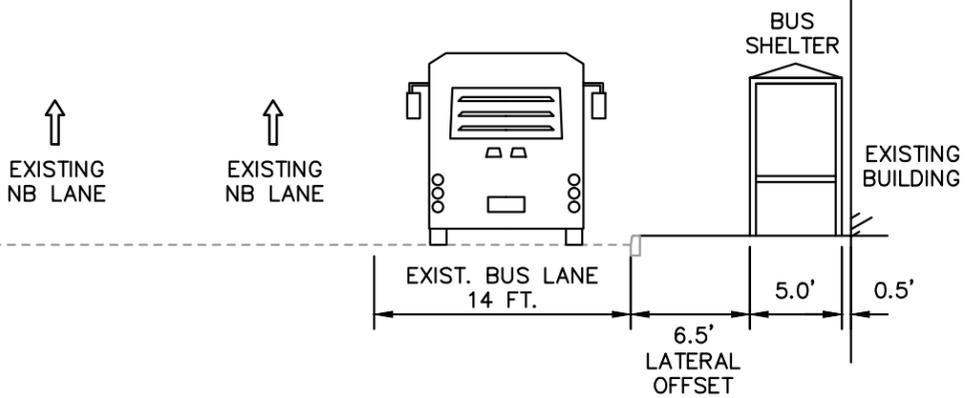


LEGEND

- EXISTING BUS BAY LOCATIONS
- PROPOSED 5' X 16' BUS SHELTER
- EXISTING OBSTRUCTION (LIGHT POLE, FIRE HYDRANT, ETC.)
- EXISTING UTILITY VAULT WITH GRATE
- ⊙ PROPOSED PEDESTRIAN LIGHTING FIXTURE



TYPICAL SECTION A-A
9TH STREET NORTHBOUND



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KHA PROJECT
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**9th Street
Temporary Transfer Center**

Richmond

Virginia

LICENSED PROFESSIONAL

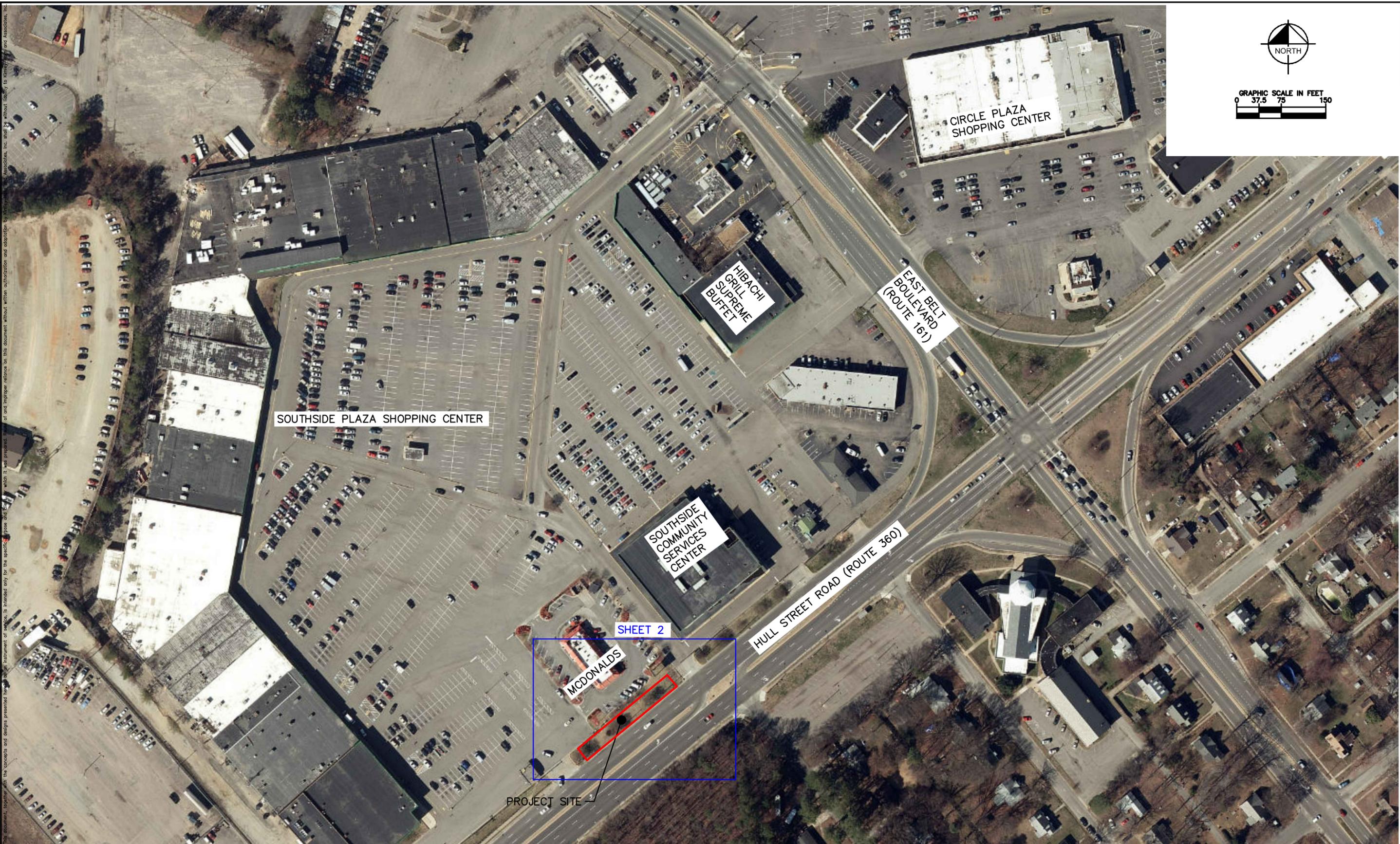
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INSET A

SHEET NUMBER

02

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 Sheet: Sak-Kha - Layout: Area Map - December 06, 2017 - 08:37:37am
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GRAPHIC SCALE IN FEET
 0 37.5 75 150

SOUTHSIDE PLAZA SHOPPING CENTER

CIRCLE PLAZA SHOPPING CENTER

HIBACHI GRILL SUPREME BUFFET

EAST BELT BOULEVARD (ROUTE 161)

SOUTHSIDE COMMUNITY SERVICES CENTER

HULL STREET ROAD (ROUTE 360)

SHEET 2

MCDONALDS

PROJECT SITE

No.	REVISIONS	DATE	BY

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KHA PROJECT
 113257016
 DATE
 12/6/2017
 SCALE AS SHOWN
 DESIGNED BY JHO
 DRAWN BY JHO
 CHECKED BY DMC

Richmond Virginia
**Southside Plaza
 Bus Transfer Center**

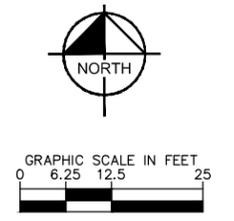
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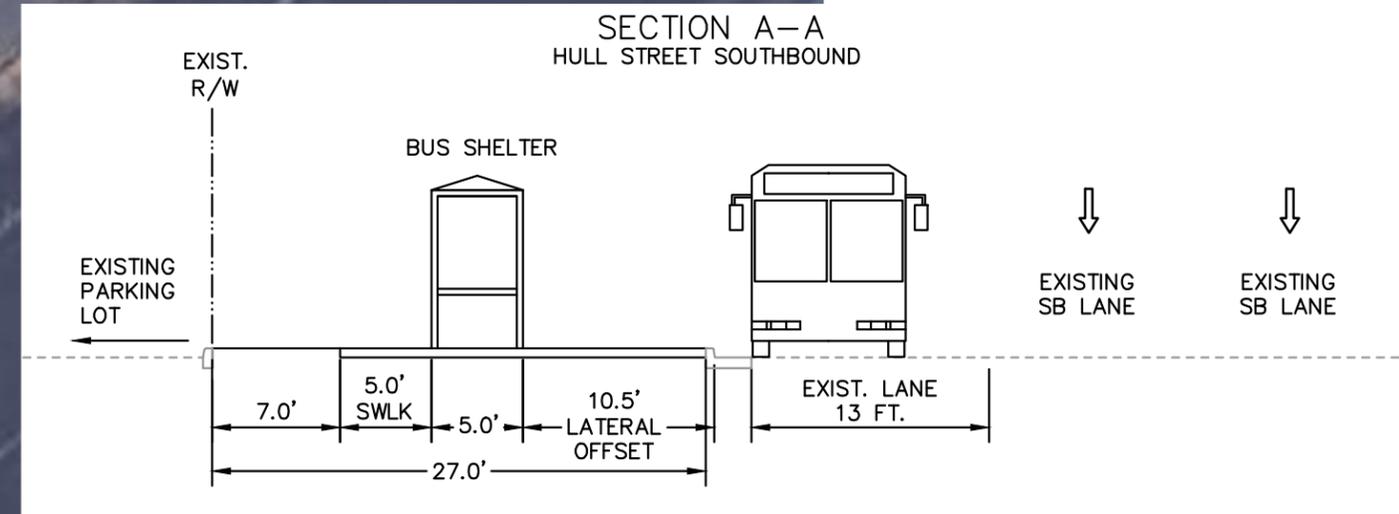
VICINITY MAP

SHEET NUMBER
1

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- LEGEND**
- PROPOSED 5' X 16' BUS SHELTER
 - EXISTING OBSTRUCTION (LIGHT POLE, FIRE HYDRANT, ETC.)
 - PROPOSED CONCRETE SIDEWALK



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DATE 12/6/2017
SCALE AS SHOWN
DESIGNED BY JHO
DRAWN BY JHO
CHECKED BY DMC

**Southside Plaza
Bus Transfer Center**
 Richmond Virginia

LICENSED PROFESSIONAL

DATE: _____

**HULL STREET
BUS STOP**

SHEET NUMBER
2



8' x 20' Standing seam hip roof Slimline shelter in a Dark Bronze anodized finish with triple front windscreen and lower horizontal mullions.

HIP SLIMLINE

Standing Seam or Glazed Roof Options

The Hip Slimline series offers a classic and timeless design with three roof glazing options. Choose from standard or custom wall and roof glazing to tailor this design to match your brand colors. Select from an aluminum, polycarbonate or acrylic glazed roof in either a Classic or Dutch hip profile. The Slimline series is very versatile in size and can be tailored to fit nearly any specific footprint. Cantilevered roofs offer the narrowest footprint and are ideal for limited pathways. Brasco's engineering team calculates all shelters to meet local wind, snow & seismic load requirements.

Slimlines can be anodized or powder coated for tailored branding and you can customize the wall glazing with a variety of graphic options.



SPECIFICATIONS

Roof Width	4', 5', 8', Custom
Roof Length	8', 10', 12', 15', 20', Custom
Wall Configuration	Full Side Walls, Cantilevered Roof / Partial Side walls
Square Columns	2.5", 3", 4" (Calculated by Brasco Engineers)
Roof Profile	Classic Hip, Dutch Hip
Roof Fascia	2.5", 4", 6", Custom
Roof Glazing	Standing Seam Aluminum, Polycarbonate, Acrylic
Finishing	Std. Powder Coat, Anti-Graffiti Powder Coat, Anodized
Illumination	Solar Powered or A/C LED Lighting System
Grillwork	Upper and / or Lower: Diamond, Victorian, Square
Accessories	Bench, Leaning Rail, Windscreen, Waste Receptacle, Bike Rack, Map Case, Lit or Unlit Advertising Box
General	Aluminum Will Never Rust, Made in USA

Ordering matrix: SL - 00 (width) 00 (length) - X (roof) Example: SL-0510-H

Left: Classic hip with standing seam aluminum roof and 2.5" fascia. Full side walls with front windscreen and diamond grillwork.

Center: Classic hip with clear polycarbonate roof glazing and 6" fascia. Cantilevered roof

Right: Dutch hip with standing seam aluminum roof and 2.5" fascia. Full side walls.



ALUMINUM WALL MOUNTED BENCH

ASSEMBLY/INSTALLATION INSTRUCTIONS

BEGIN BY LAYING OUT BENCH BRACKETS, AND BENCH BACKREST ASSEMBLY.

LOCATE BENCH SLATS.

MOUNT BENCH BRACKETS TO WALL COLUMNS AND MULLIONS AS REQUIRED USING #14 X 1" S.S. HEX HEAD TEK SCREW.

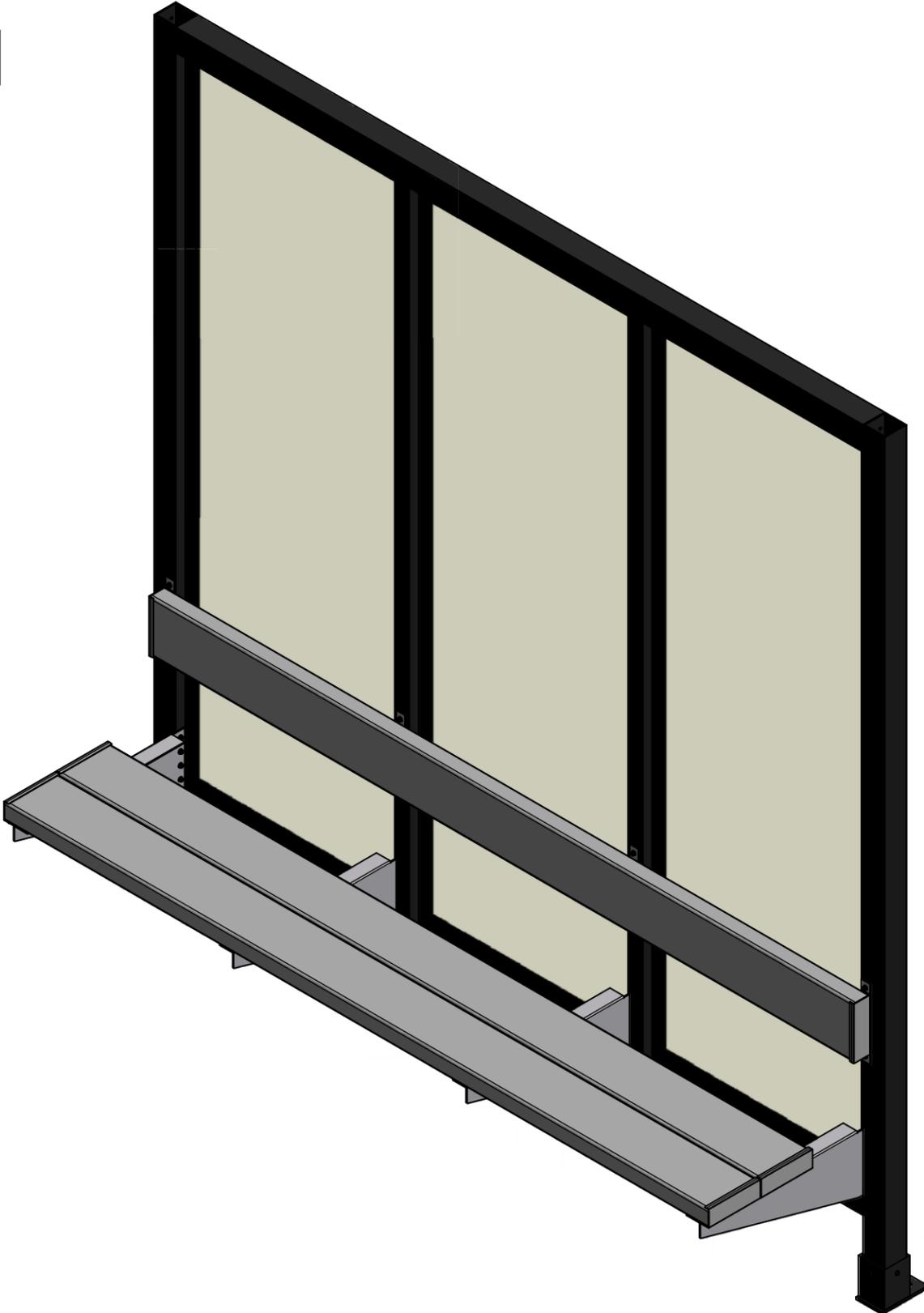
INSERT BENCH TIE-DOWN CLIPS INTO BENCH SLAT AND ALIGN WITH BENCH BRACKET. INSERT FLAT WASHER WITH CARRIAGE BOLT FROM ABOVE, AND LOCKWASHER AND NUT FROM BELOW.

REPEAT STEPS FOR EACH BRACKET.

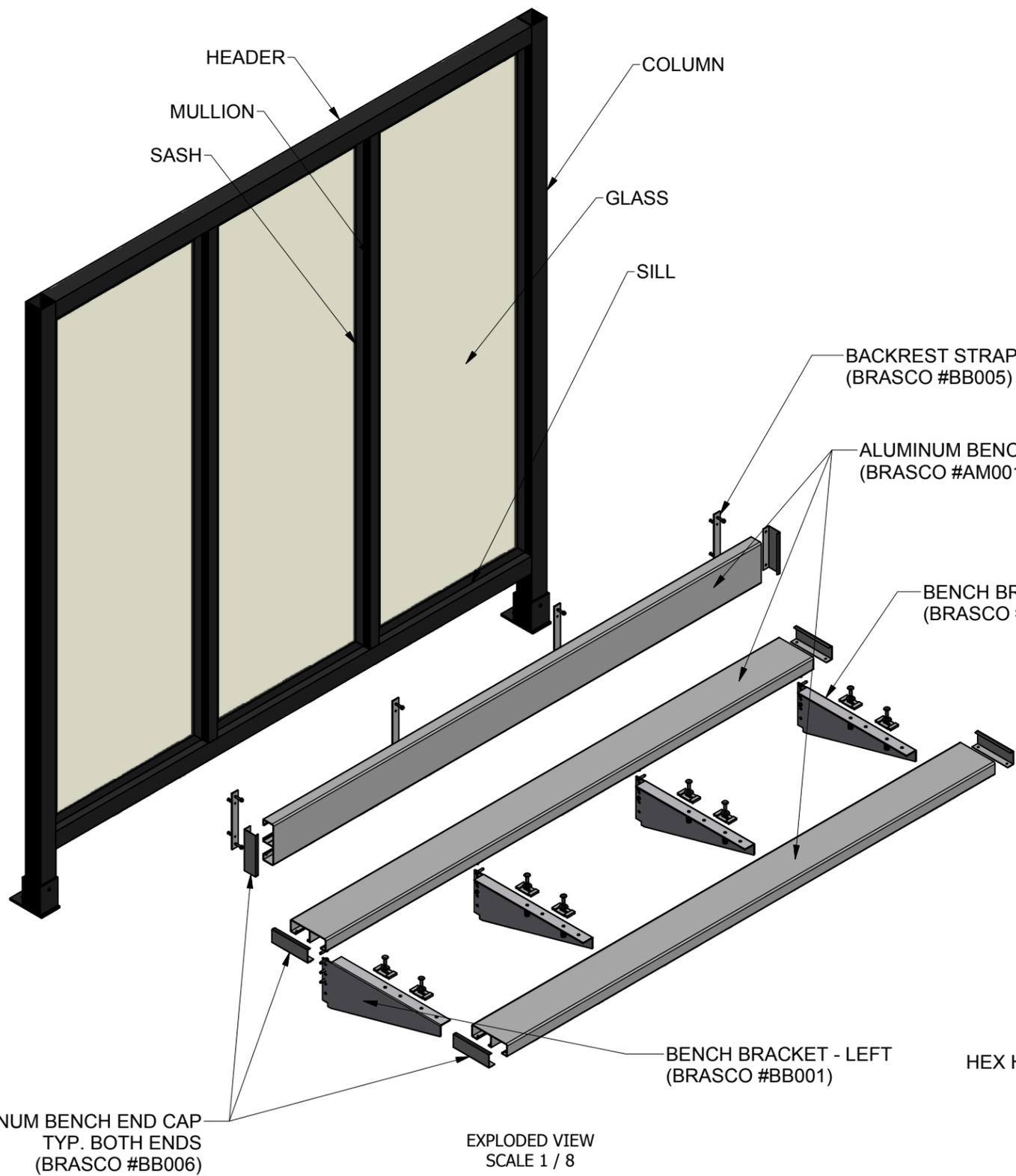
ONCE ALL BENCH TIE-DOWN CLIPS ARE ATTACHED, HAND TIGHTEN AND MAKE NECESSARY ADJUSTMENTS FOR ALIGNMENT.

ONCE ALIGNMENT IS COMPLETE, TIGHTEN ALL BENCH TIE-DOWN CLIPS.

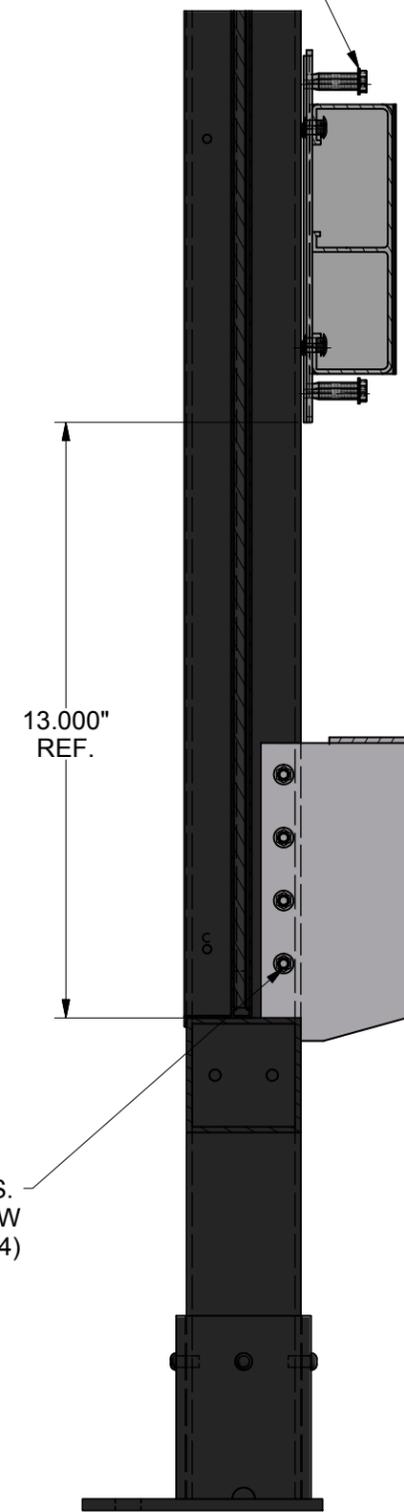
USING #14 X 1" S.S. HEX HEAD TEK SCREW, MOUNT BENCH BACKREST STRAPS TO WALL COLUMNS, AND MULLIONS AS REQUIRED.



	BRASCO INTERNATIONAL, INC. 1000 MT. ELLIOTT DETROIT, MICHIGAN 48207 1-800-893-3665 WWW.BRASCO.COM	CUSTOMER:	BRASCO INTERNATIONAL	DESIGNER:	BMB
	THIS DRAWING IS PROPRIETARY AND IS FOR THE SOLE USE OF OUR CUSTOMERS AND MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM BRASCO INTERNATIONAL.	PROJECT:	ALUMINUM WALL MOUNTED BENCH	DATE:	8/22/17
	MODEL:	-	JOB #	-	SHEET:
					1



#14 X 1" S.S.
HEX HEAD TEK SCREW
(BRASCO #F1044)



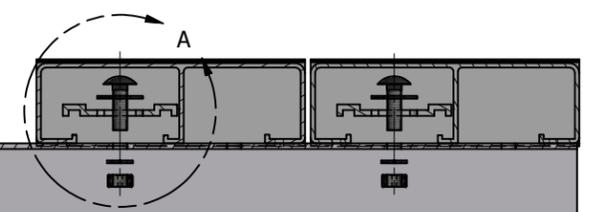
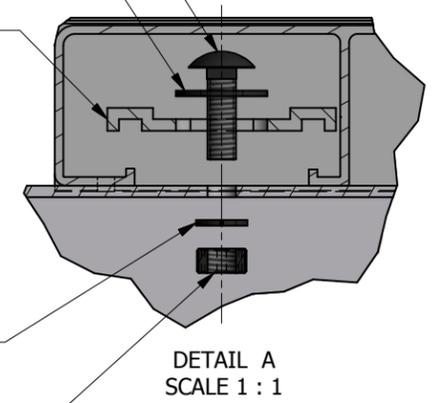
5/16" X 1" S.S. CARRIAGE BOLT
(BRASCO #F1002)

3/8" S.S. FLAT WASHER
(BRASCO #F1053)

BENCH TIE-DOWN CLIP
(BRASCO #BB003)

5/16" S.S. LOCKWASHER
(BRASCO #F1056)

5/16"-18 S.S. NUT
(BRASCO #F1060)



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PROJECT:	ALUMINUM WALL MOUNTED BENCH	DATE:	8/22/17
MODEL:	-	JOB #	-
		SHEET:	2