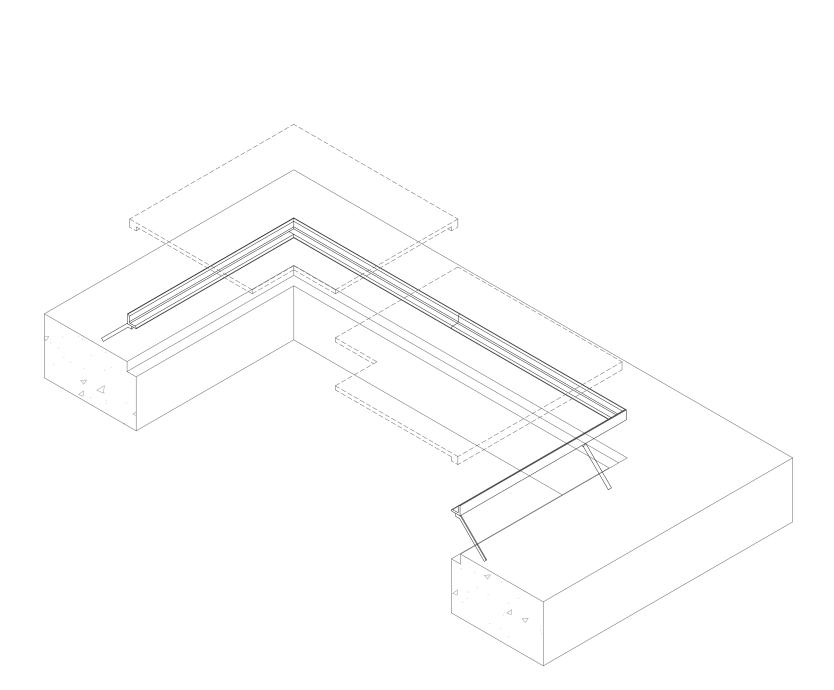
## **SPECS** - TYPE S

- Type S frames are for permanent installs into new concrete w/o pavers (for permanent frames with pavers use Type P)
- Rebar anchoring is **NOT** pre-bent, bending to be done by installer prior to installation into concrete
- Nelson studs may be specified in lieu of rebar (additional specs will be required)
- For load ratings greater than pedestrian modifications to the frame may need to be made, for more information contact your rep or UA.

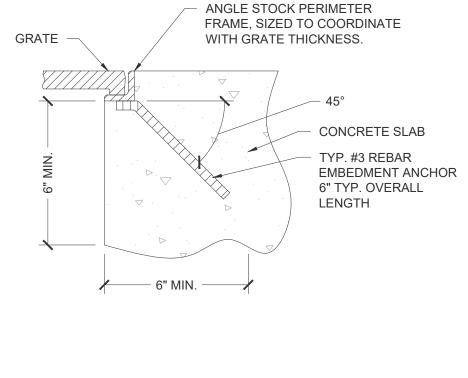


OVERALL LENGTH AS SPEC.

SEGMENTS TO BE 9' OR LESS

Type S - Exploded Assembly

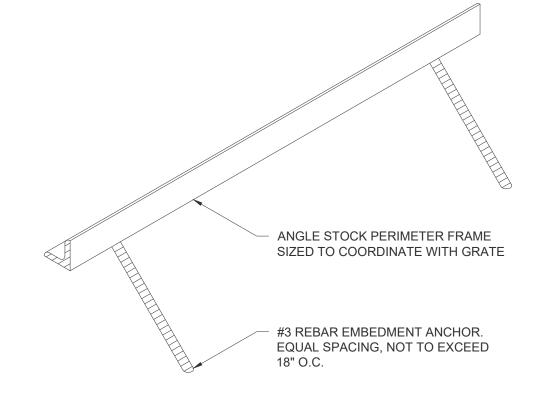
Scale: 1" = 1' 0"



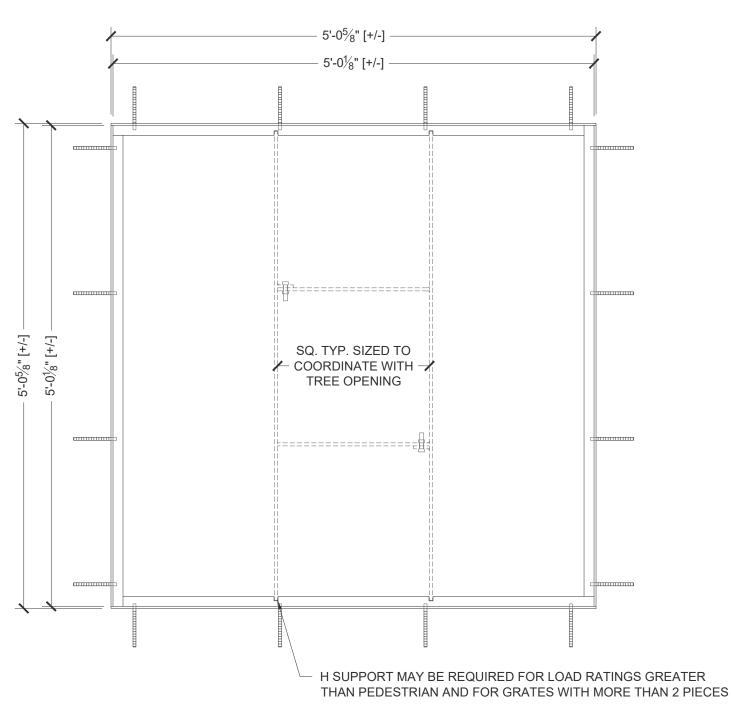
Type S - Section Scale: 3" = 1' 0"

SUPPORTS TO COORDINATE WITH GRATE SEAMS (LOAD RATINGS GREATER THAN PEDESTRIAN

MAY REQUIRE MORE SUPPORTS BETWEEN SEAMS)



Type S - Isometric Scale: 3" = 1' 0"



Example 5' Tree Grate Frame - Plan

Scale: 1" = 1' 0"









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	Project Location	Tacoma, WA
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Additional Notes

#### **GENERIC FRAME DETAILS**

Typical for all frames

#### STANDARD SPECIFICATIONS

- Material will be high quality ASTM A36 mild steel (unless specified otherwise).

- Default finish will be natural patina of raw material (unless specified otherwise).

- Frames are load rated for pedestrian traffic only (Other load ratings available at request).

- Gap of  $\frac{1}{8}$  is typical between grate and interior frame edge. All visible edges are ground smooth on outside edges and are true to square or round. Tope of grate to be flush with grade.

Dimensions are nominal (sized to fit grates).

#### **OPTIONS**

Options listed below are available for all frames. Some options may not be available with certain load ratings or materials.

### Materials:

Stainless Steel, 304L Aluminum, 6061 T6 Architectural Bronze

Polyester Powder Coat Liquid coat (Specify color) Polish Galvanized

#### \_\_\_ (With approval from UA) Load Ratings:

Light Vehicular (Medium Duty) H20/HS20 (Heavy Duty)

# **ADDITIONAL NOTES**

-For specific details please contact your local rep

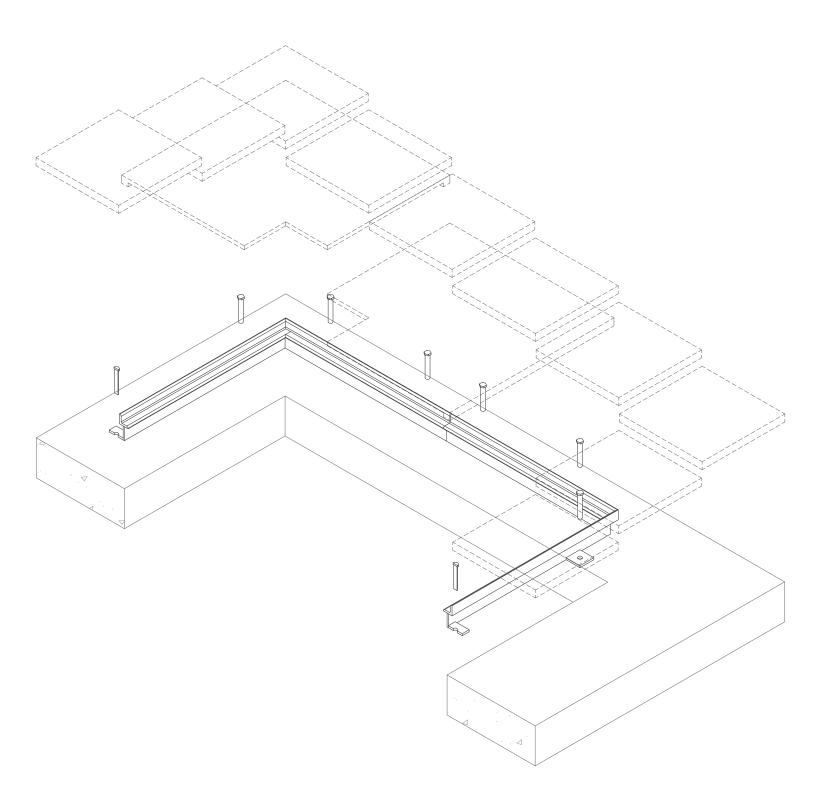
-PDFs and DWGs are available for all sizes of frames from your sales representative or by emailing sales@urbanaccessories.com

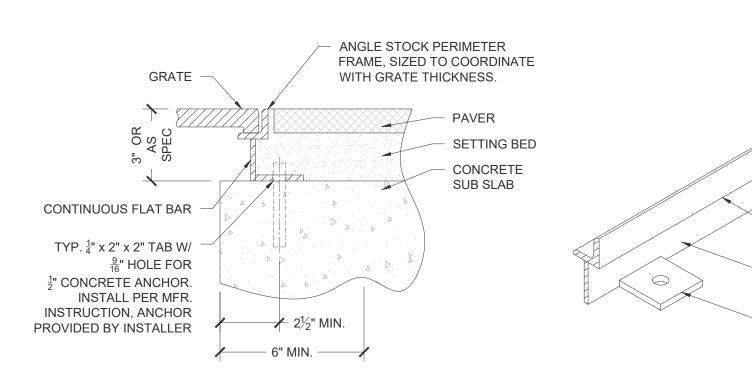
Drawn By	NR
Date Drawn	3.19.2020



## **SPECS** - TYPE PA

- Type PA frames are for non-permanent top mount installs into existing concrete w/ pavers (for permanent frames with pavers use Type P)
- Anchors are **NOT** provided by UA, anchors to be provided by installer prior to installation into concrete
- Tab sizes and overall height can be customized (additional specs will be required)
- For load ratings greater than pedestrian modifications to the frame may need to be made, for more information contact your rep or UA.





Type PA - Section Scale: 3" = 1' 0"

Type PA - Isometric Scale: 3" = 1' 0"

ANGLE STOCK PERIMETER FRAME

TYP.  $\frac{3}{16}$ " CONTINUOUS FLAT BAR

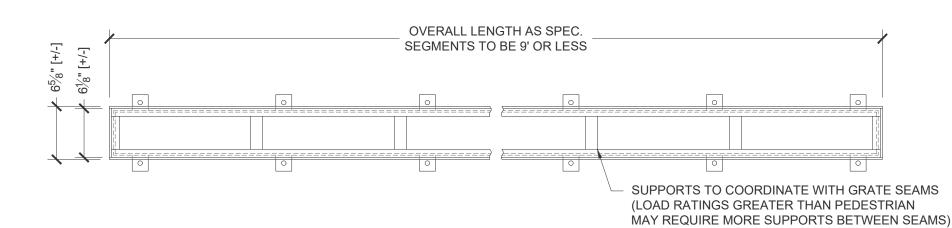
2" x 2" x <sup>1</sup>/<sub>4</sub>" TAB, EQUAL SPACING,

THAN PEDESTRIAN AND FOR GRATES WITH MORE THAN 2 PIECES

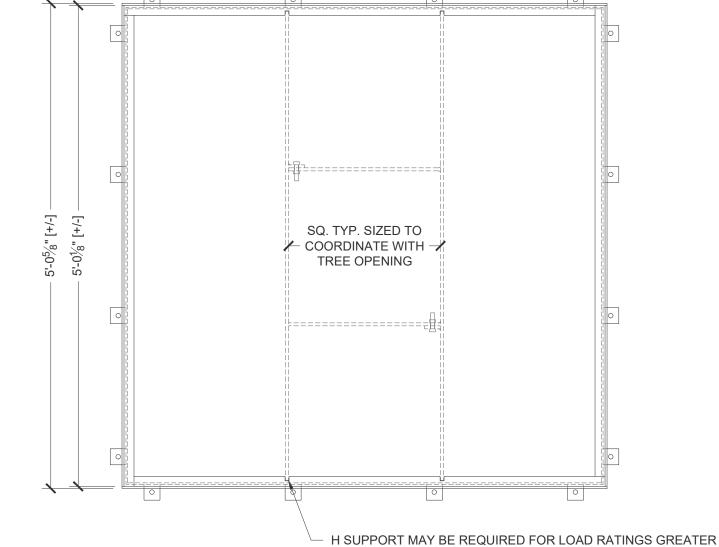
NOT TO EXCEED 18" O.C.

SIZED TO COORDINATE WITH GRATE





Example 6" Trench Frame - Plan Scale: 1" = 1' 0"



5'-0<sup>5</sup>/<sub>8</sub>" [+/-]

5'-01/8" [+/-]

Example 5' Tree Grate Frame - Plan Scale: 1" = 1' 0"

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Additional Notes

#### **GENERIC FRAME DETAILS**

Typical for all frames

# STANDARD SPECIFICATIONS

- Material will be high quality ASTM A36 mild steel (unless specified otherwise).

- Default finish will be natural patina of raw material (unless specified otherwise).

- Frames are load rated for pedestrian traffic only (Other load ratings available at request).

- Gap of  $\frac{1}{8}$ " is typical between grate and interior frame edge. All visible edges are ground smooth on outside edges and are true to square or round. Tope of grate to be flush with grade.

- Dimensions are nominal (sized to fit grates).

#### **OPTIONS**

Options listed below are available for all frames. Some options may not be available with certain load ratings or materials.

### Materials:

Stainless Steel, 304L Aluminum, 6061 T6 Architectural Bronze

# Polyester Powder Coat

Liquid coat (Specify color)
Brush
Polish
Galvanized

#### Load Ratings:

Light Vehicular (Medium Duty) H20/HS20 (Heavy Duty)

\_\_ (With approval from UA)

# ADDITIONAL NOTES

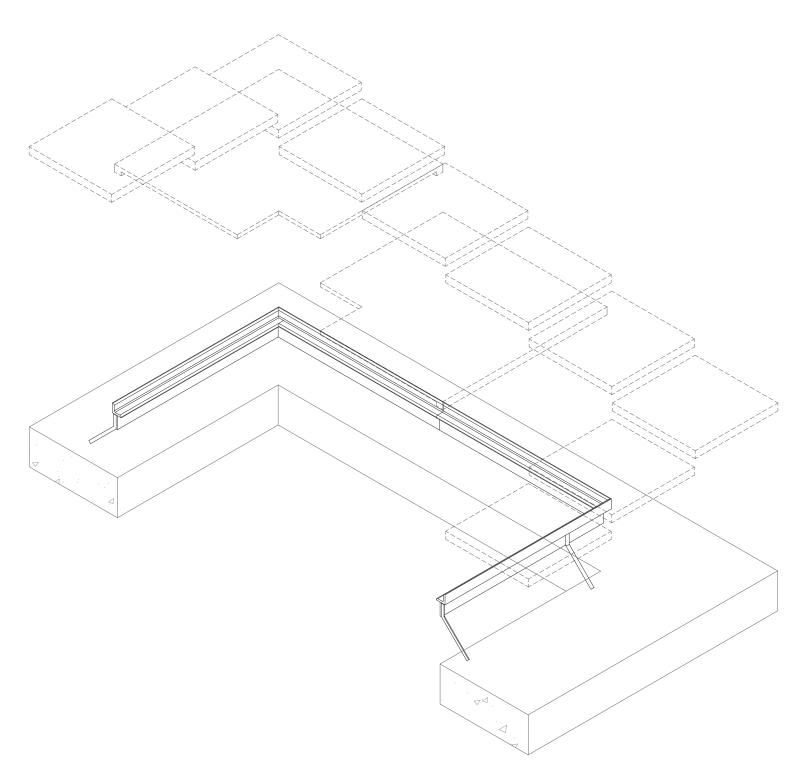
-For specific details please contact your local rep or UA.-PDFs and DWGs are available for all sizes of

frames from your sales representative or by emailing sales@urbanaccessories.com

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Date Drawn	3.19.2020

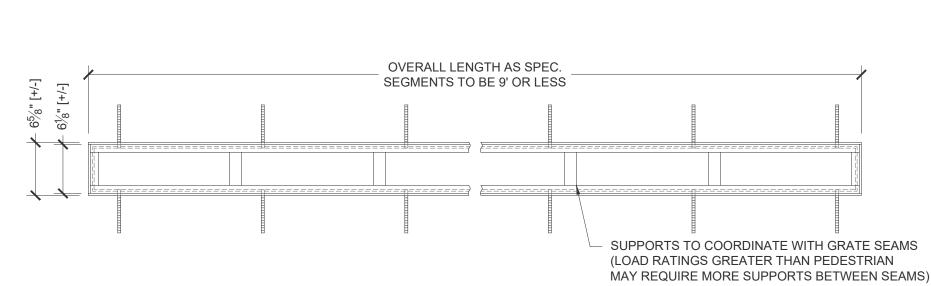
## **SPECS** - TYPE P

- Type P frames are for permanent installs into new concrete w/ pavers (for permanent frames without pavers use Type S)
- Rebar anchoring is **NOT** pre-bent, bending to be done by installer prior to installation into concrete
- Nelson studs may be specified in lieu of rebar (additional specs will be required)
- Tab sizes and overall height can be customized (additional specs will be required)
- For load ratings greater than pedestrian modifications to the frame may need to be made, for more information contact your rep or UA.

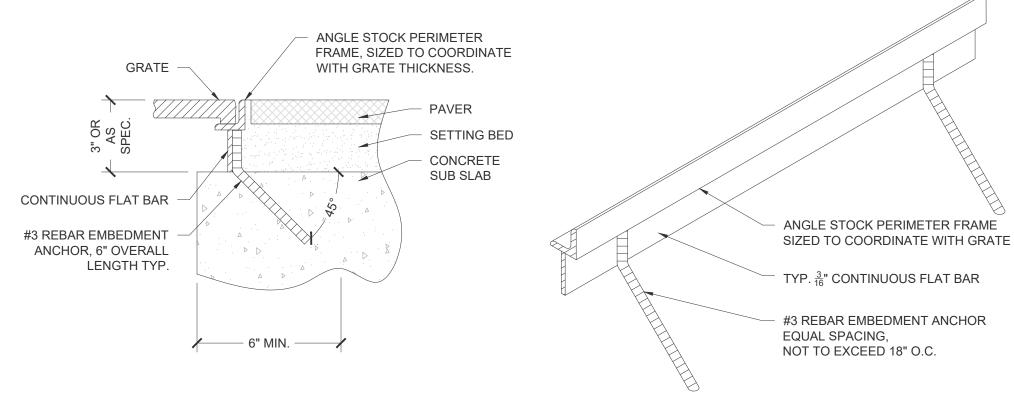


Type P - Exploded Assembly

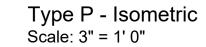
Scale: 1" = 1' 0"

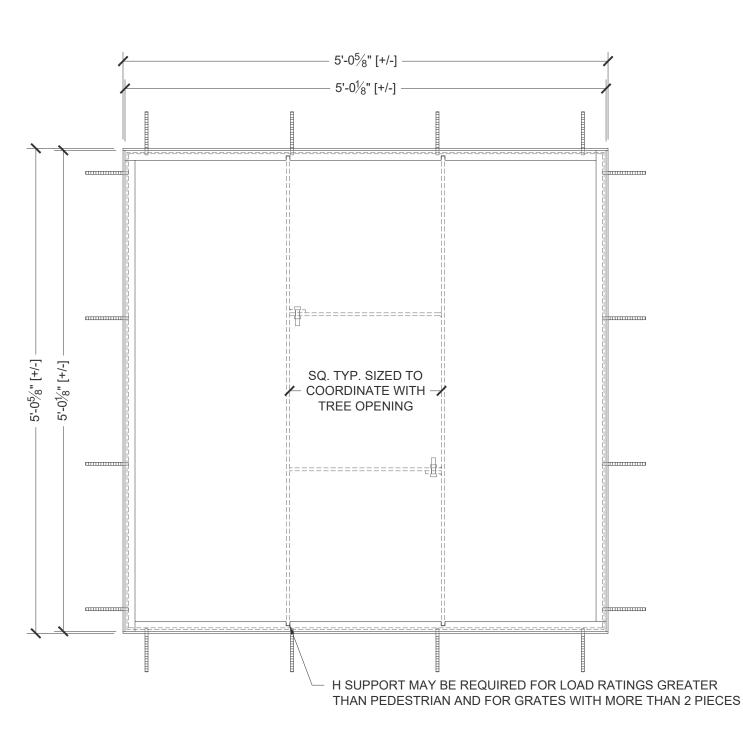


Example 6" Trench Frame - Plan Scale: 1" = 1' 0"



Type P - Section Scale: 3" = 1' 0"





Example 5' Tree Grate Frame - Plan Scale: 1" = 1' 0"

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Project	Tacoma WA

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**Additional Notes** 

Location

Page #

#### **GENERIC FRAME DETAILS**

Typical for all frames

#### STANDARD SPECIFICATIONS

- Material will be high quality ASTM A36 mild steel (unless specified otherwise).

- Default finish will be natural patina of raw material (unless specified otherwise).

- Frames are load rated for pedestrian traffic only (Other load ratings available at request).

- Gap of  $\frac{1}{8}$  is typical between grate and interior frame edge. All visible edges are ground smooth on outside edges and are true to square or round. Tope of grate to be flush with grade.

Dimensions are nominal (sized to fit grates).

#### **OPTIONS**

Options listed below are available for all frames. Some options may not be available with certain load ratings or materials.

### Materials:

Stainless Steel, 304L Aluminum, 6061 T6 Architectural Bronze

Polyester Powder Coat Liquid coat (Specify color) Polish Galvanized

#### \_\_\_ (With approval from UA) Load Ratings:

Light Vehicular (Medium Duty) H20/HS20 (Heavy Duty)

# **ADDITIONAL NOTES**

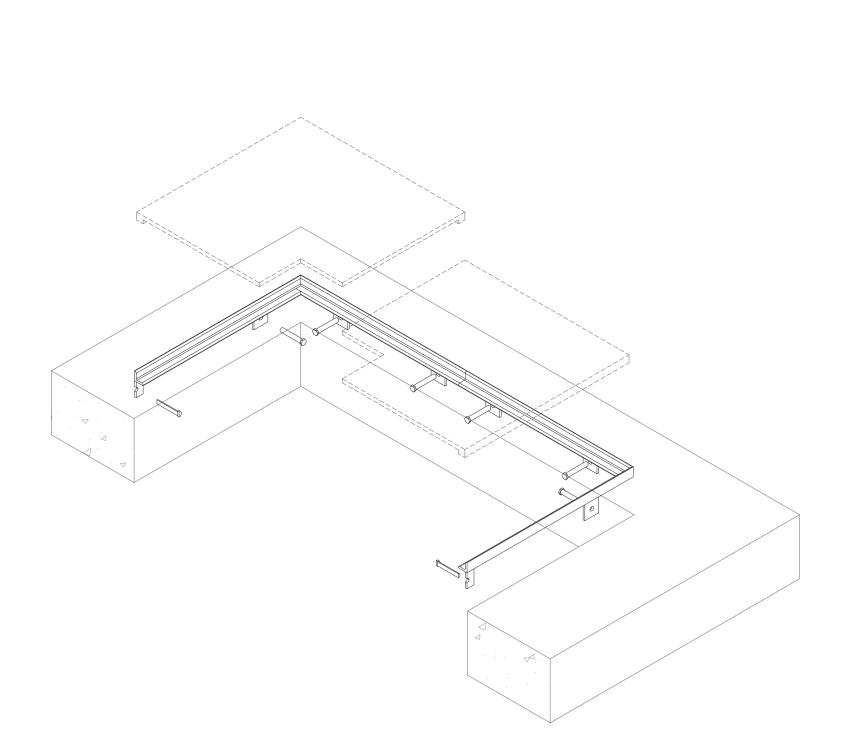
-For specific details please contact your local rep

-PDFs and DWGs are available for all sizes of frames from your sales representative or by emailing sales@urbanaccessories.com

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Date Drawn	3.19.2020

## **SPECS** - TYPE R

- Type R frames are for non-permanent side mount installs into existing concrete w/o pavers (for non-permanent frames with pavers use Type
- Anchors are **NOT** provided by UA, anchors to be provided by installer prior to installation into concrete
- Tab sizes and overall height can be customized (additional specs will be required)
- For load ratings greater than pedestrian modifications to the frame may need to be made, for more information contact your rep or UA.

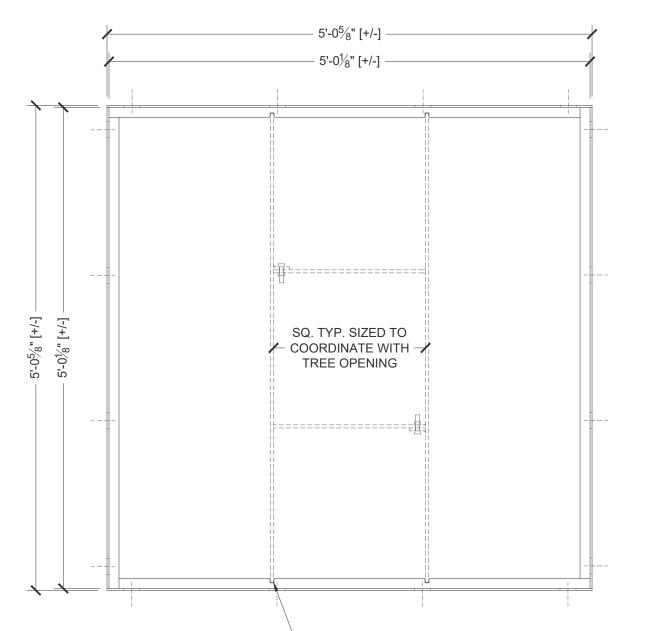


ANGLE STOCK PERIMETER FRAME SIZED TO COORDINATE WITH GRATE

2" x 2" x \frac{1}{4}" TAB, EQUAL SPACING, NOT TO EXCEED 18" O.C.

Type R - Section Scale: 3" = 1' 0"

Type R - Isometric Scale: 3" = 1' 0"



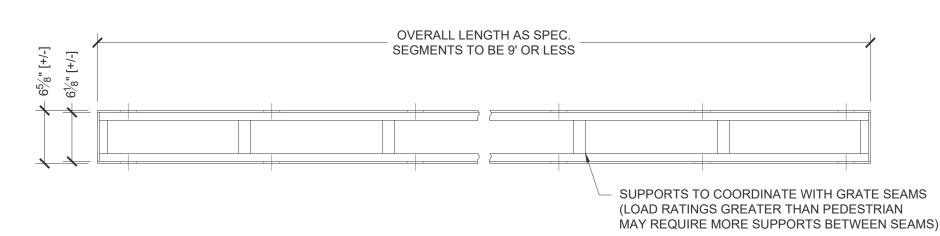
H SUPPORT MAY BE REQUIRED FOR LOAD RATINGS GREATER

THAN PEDESTRIAN AND FOR GRATES WITH MORE THAN 2 PIECES

Example 5' Tree Grate Frame - Plan Scale: 1" = 1' 0"

# Type R - Exploded Assembly

Scale: 1" = 1' 0"



Example 6" Trench Frame - Plan

Scale: 1" = 1' 0"

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Additional Notes

#### **GENERIC FRAME DETAILS**

Typical for all frames

#### STANDARD SPECIFICATIONS

Material will be high quality ASTM A36 mild steel (unless specified otherwise).

- Default finish will be natural patina of raw material (unless specified otherwise).

- Frames are load rated for pedestrian traffic only (Other load ratings available at request).

- Gap of  $\frac{1}{8}$ " is typical between grate and interior frame edge. All visible edges are ground smooth on outside edges and are true to square or round. Tope of grate to be flush with grade.

- Dimensions are nominal (sized to fit grates).

#### **OPTIONS**

Options listed below are available for all frames. Some options may not be available with certain load ratings or materials.

#### Materials:

Stainless Steel, 304L Aluminum, 6061 T6 Architectural Bronze

#### Polyester Powder Coat

Liquid coat (Specify color) Brush Polish Galvanized

#### Load Ratings:

Light Vehicular (Medium Duty) H20/HS20 (Heavy Duty)

# ADDITIONAL NOTES

\_\_\_ (With approval from UA)

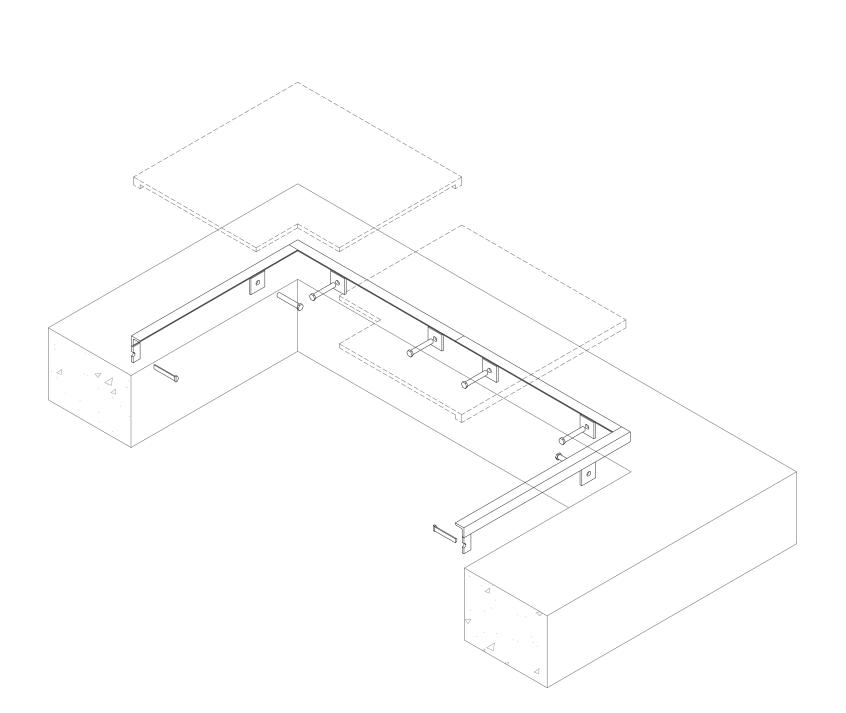
-For specific details please contact your local rep or UA.-PDFs and DWGs are available for all sizes of

frames from your sales representative or by emailing sales@urbanaccessories.com

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# **SPECS** - TYPE INVERTED R

- Type Inverted R frames are for non-permanent side mount installs into existing concrete when a steel border edge around the grate is not desired (for non-permanent frames with a steel border use Type R or S)
- Anchors are **NOT** provided by UA, anchors to be provided by installer prior to installation into concrete
- Tab sizes and overall height can be customized (additional specs will be required)
- For load ratings greater than pedestrian modifications to the frame may need to be made, for more information contact your rep or UA.

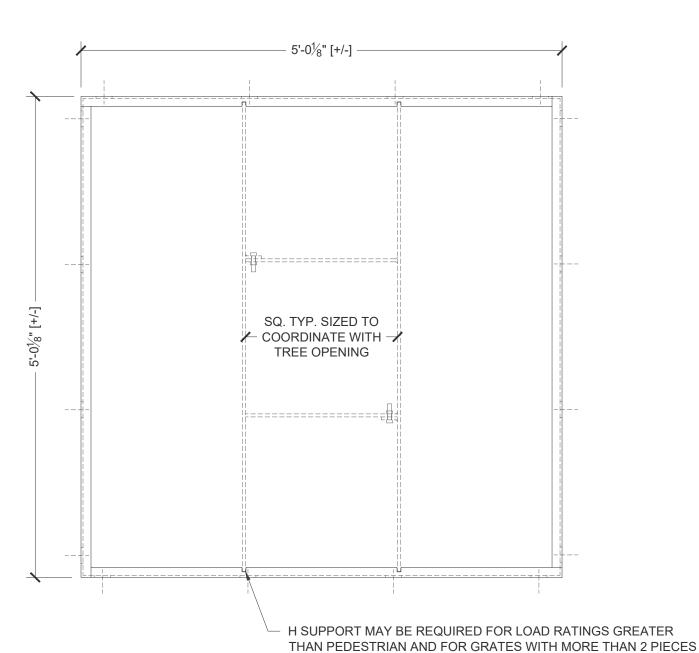


ANGLE STOCK PERIMETER FRAME, SIZED TO COORDINATE WITH GRATE THICKNESS. **GRATE** CONCRETE SLAB TYP. <sup>1</sup>/<sub>4</sub>" x 2" x 2" TAB W/  $\frac{9}{16}$ " HOLE FOR  $\frac{1}{2}$ " CONCRETE ANCHOR. INSTALL PER MFR. INSTRUCTION, ANCHOR PROVIDED BY INSTALLER 6" MIN.

ANGLE STOCK PERIMETER FRAME SIZED TO COORDINATE WITH GRATE 2" x 2"  $\times \frac{1}{4}$ " TAB, EQUAL SPACING, NOT TO EXCEED 18" O.C.

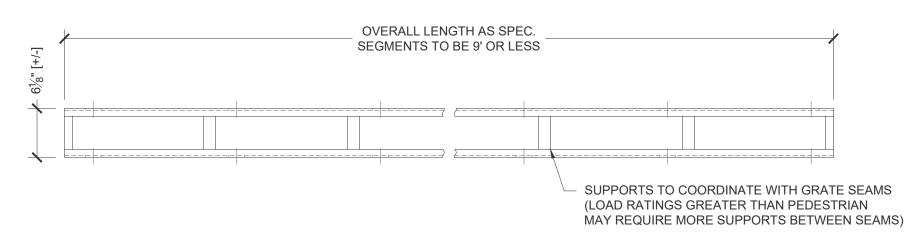
Type Inverted R - Section Scale: 3" = 1' 0"

Type Inverted R - Isometric Scale: 3" = 1' 0"



Example 5' Tree Grate Frame - Plan Scale: 1" = 1' 0"

# Type Inverted R - Exploded Assembly Scale: 1" = 1' 0"



Example 6" Trench Frame - Plan Scale: 1" = 1' 0"

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**Additional Notes** 

#### **GENERIC FRAME DETAILS**

Typical for all frames

#### STANDARD SPECIFICATIONS

- Material will be high quality ASTM A36 mild steel (unless specified otherwise).

- Default finish will be natural patina of raw material (unless specified otherwise).

- Frames are load rated for pedestrian traffic only (Other load ratings available at request).

- Gap of  $\frac{1}{8}$  is typical between grate and interior frame edge. All visible edges are ground smooth on outside edges and are true to square or

round. Tope of grate to be flush with grade. Dimensions are nominal (sized to fit grates).

#### **OPTIONS**

Options listed below are available for all frames. Some options may not be available with certain load ratings or materials.

### Materials:

Stainless Steel, 304L Aluminum, 6061 T6 Architectural Bronze

#### Polyester Powder Coat

Liquid coat (Specify color) Polish Galvanized

#### Load Ratings:

Light Vehicular (Medium Duty) H20/HS20 (Heavy Duty)

\_\_\_ (With approval from UA)

# **ADDITIONAL NOTES**

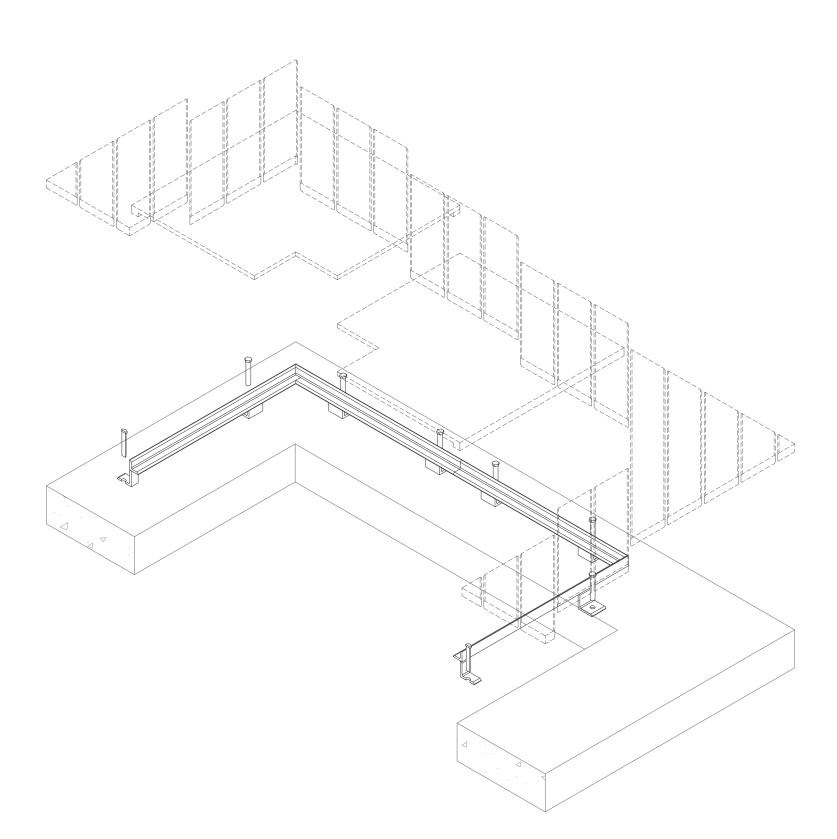
-For specific details please contact your local rep

-PDFs and DWGs are available for all sizes of frames from your sales representative or by emailing sales@urbanaccessories.com

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# **SPECS** - TYPE A

- Type A frames are for non-permanent top mount installs into existing concrete w/ a surface treating that doesn't require fill containment, such as decking (for non-permanent frames with pavers use Type PA)
- Anchors are **NOT** provided by UA, anchors to be provided by installer prior to installation into concrete
- Tab sizes and overall height can be customized (additional specs will be required)
- For load ratings greater than pedestrian modifications to the frame may need to be made, for more information contact your rep or UA.



ANGLE STOCK PERIMETER FRAME, SIZED TO COORDINATE WITH GRATE THICKNESS.

DECKING

TYP. ¼" x 2" x 2" ANGLE

TAB W/ ½" HOLE FOR

1" CONCRETE ANCHOR.

INSTALL PER MFR.
INSTRUCTION, ANCHOR
PROVIDED BY INSTALLER

ANGLE STOCK PERIMETER
FRAME, SIZED TO COORDINATE
WITH GRATE THICKNESS.

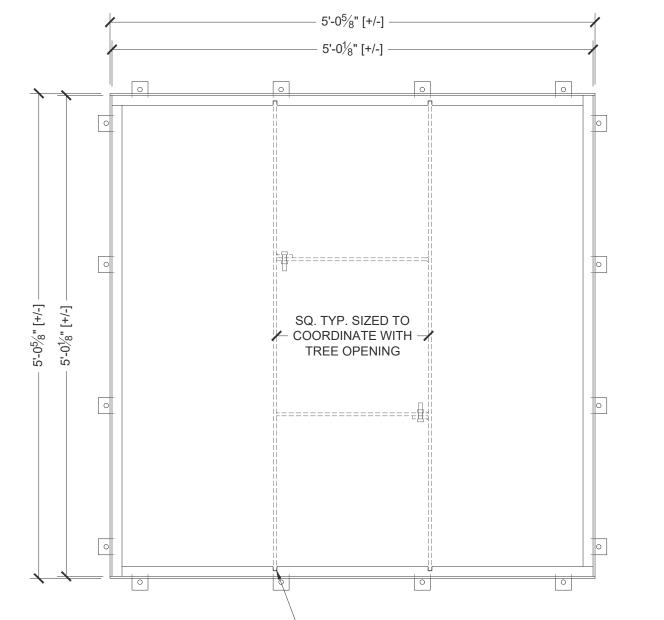
CONCRETE
SUB SLAB

ANGLE STOCK PERIMETER FRAME SIZED TO COORDINATE WITH GRATE

2" x 2" x 4 ANGLE TAB, EQUAL SPACING, NOT TO EXCEED 18" O.C.

Type A - Section
Scale: 3" = 1' 0"

Type A - Isometric Scale: 3" = 1' 0"

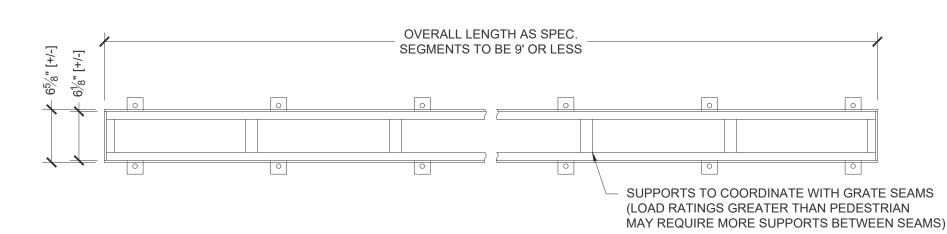


H SUPPORT MAY BE REQUIRED FOR LOAD RATINGS GREATER

THAN PEDESTRIAN AND FOR GRATES WITH MORE THAN 2 PIECES

Example 5' Tree Grate Frame - Plan Scale: 1" = 1' 0"

Type A - Exploded Assembly Scale: 1" = 1' 0"



Example 6" Trench Frame - Plan Scale: 1" = 1' 0"

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Additional Notes

#### **GENERIC FRAME DETAILS**

Typical for all frames

# STANDARD SPECIFICATIONS

- Material will be high quality ASTM A36 mild steel (unless specified otherwise).

- Default finish will be natural patina of raw material (unless specified otherwise).

- Frames are load rated for pedestrian traffic only (Other load ratings available at request).

- Gap of  $\frac{1}{8}$ " is typical between grate and interior frame edge. All visible edges are ground smooth on outside edges and are true to square or round. Tope of grate to be flush with grade.

- Dimensions are nominal (sized to fit grates).

#### **OPTIONS**

Options listed below are available for all frames. Some options may not be available with certain load ratings or materials.

#### Materials:

Stainless Steel, 304L Aluminum, 6061 T6 Architectural Bronze

#### inishes:

Polyester Powder Coat Liquid coat (Specify color) Brush Polish Galvanized

# Other: \_\_\_\_\_ (With approval from UA) Load Ratings:

Light Vehicular (Medium Duty)
H20/HS20 (Heavy Duty)

**ADDITIONAL NOTES** 

-For specific details please contact your local rep or UA.

-PDFs and DWGs are available for all sizes of frames from your sales representative or by emailing sales@urbanaccessories.com

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