

Chapter 03 - Superstructure

SECTION 03

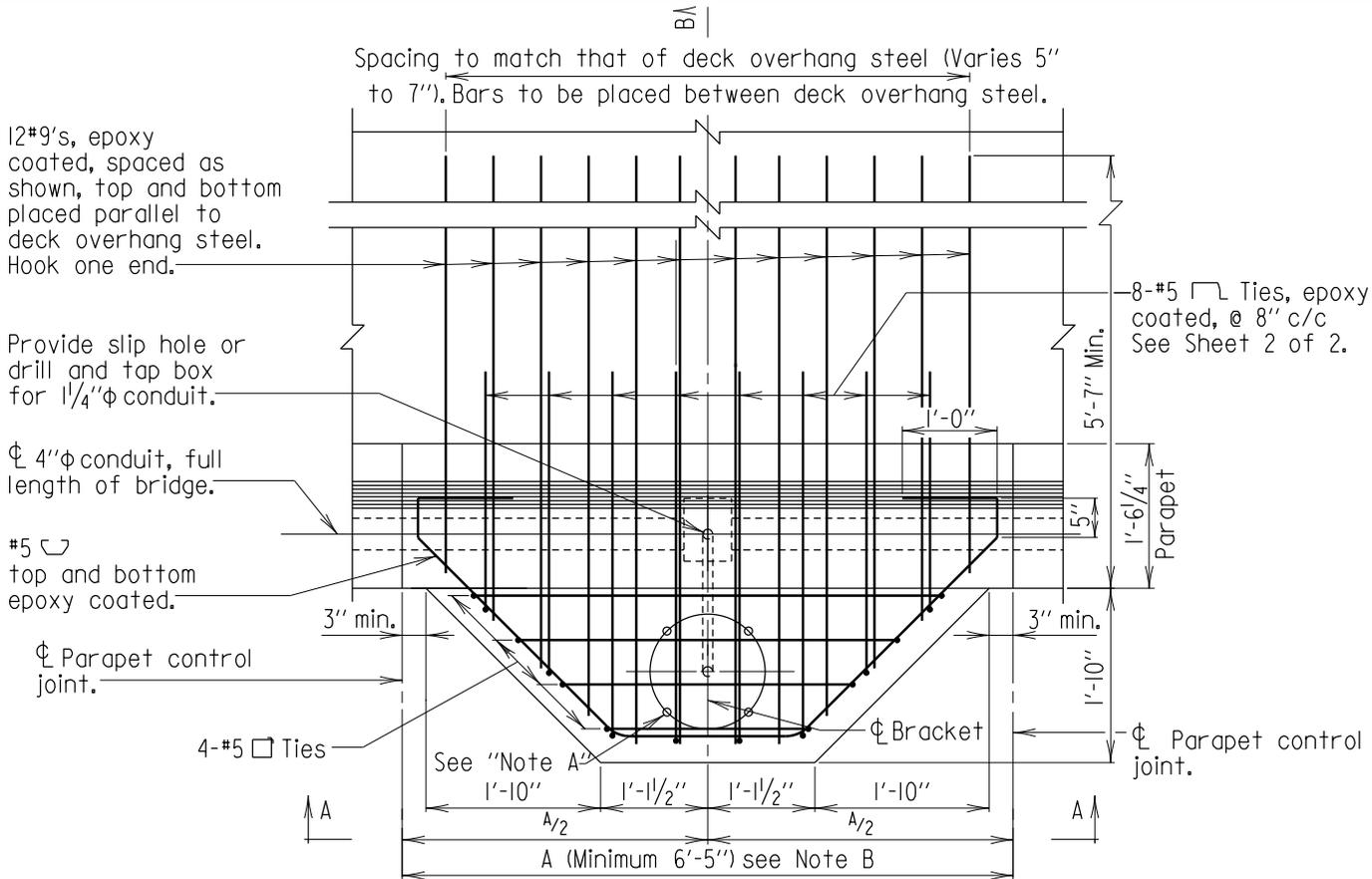
SUPPORT BRACKETS (SUP-SB)

Chapter 03 - Superstructure

Section 03 – Support Brackets

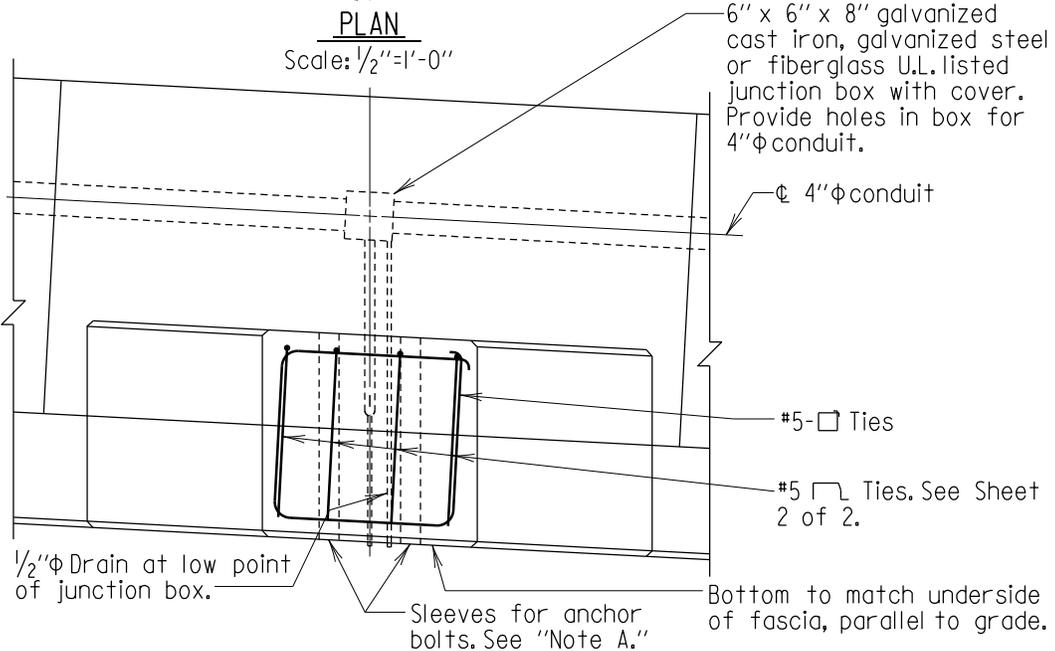
SUB-SECTION 01

42" F-SHAPE AND SINGLE SLOPE SLOPE PARAPET (SUP-SB(42F) and SUP-SB(42SS))



PLAN
Scale: 1/2" = 1'-0"

Note B:
Station for light post support bracket shown on Plans is only approximate. φ Bracket to be located midway between parapet control joints.
A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
If a light post is placed at φ of pier, eliminate the control joint at the φ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



SECTION A-A
Scale: 1/2" = 1'-0"

For Section "B-B" see Sheet 2 of 2.

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

42' STRAIGHT BACK

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1.02

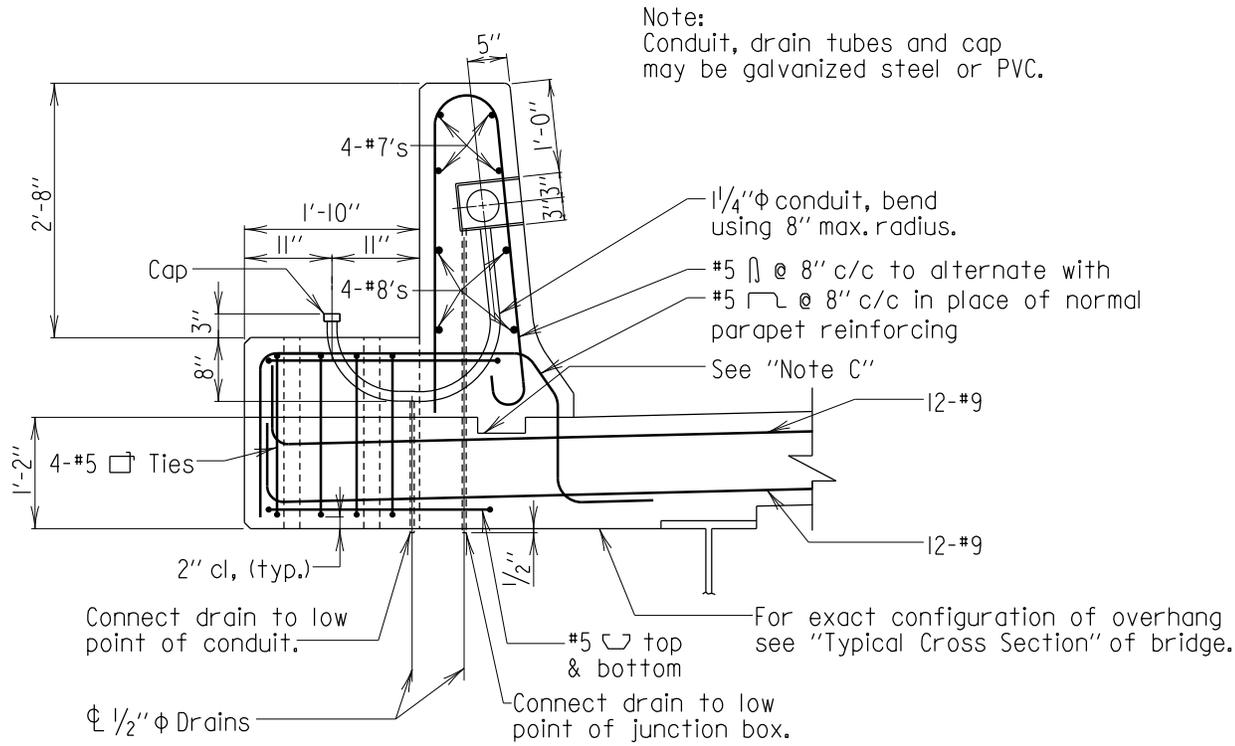
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42' F-SHAPE OR SINGLE SLOPE PARAPET WITH STRAIGHT BACK

DETAIL NO. SUP-SB(42F)-101

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



Note:
Conduit, drain tubes and cap
may be galvanized steel or PVC.

SECTION B-B FOR "F-SHAPE" BARRIER
Scale: 1/2"=1'-0"

Note:
All #7 and #8 bars shall be placed
continuously in the parapet from
expansion opening to expansion opening
in a simple span bridge and expansion
opening to centerline of pier in a
multispan bridge. Refer to either
SUP-TB(42F)-101 or SUP-TB(42SS)-101.

Note C:
The constr. jt. between the
parapet and the deck may vary
slightly from the joint indicated.
For exact details and location of the
joint see "Superstructure" Sheet.

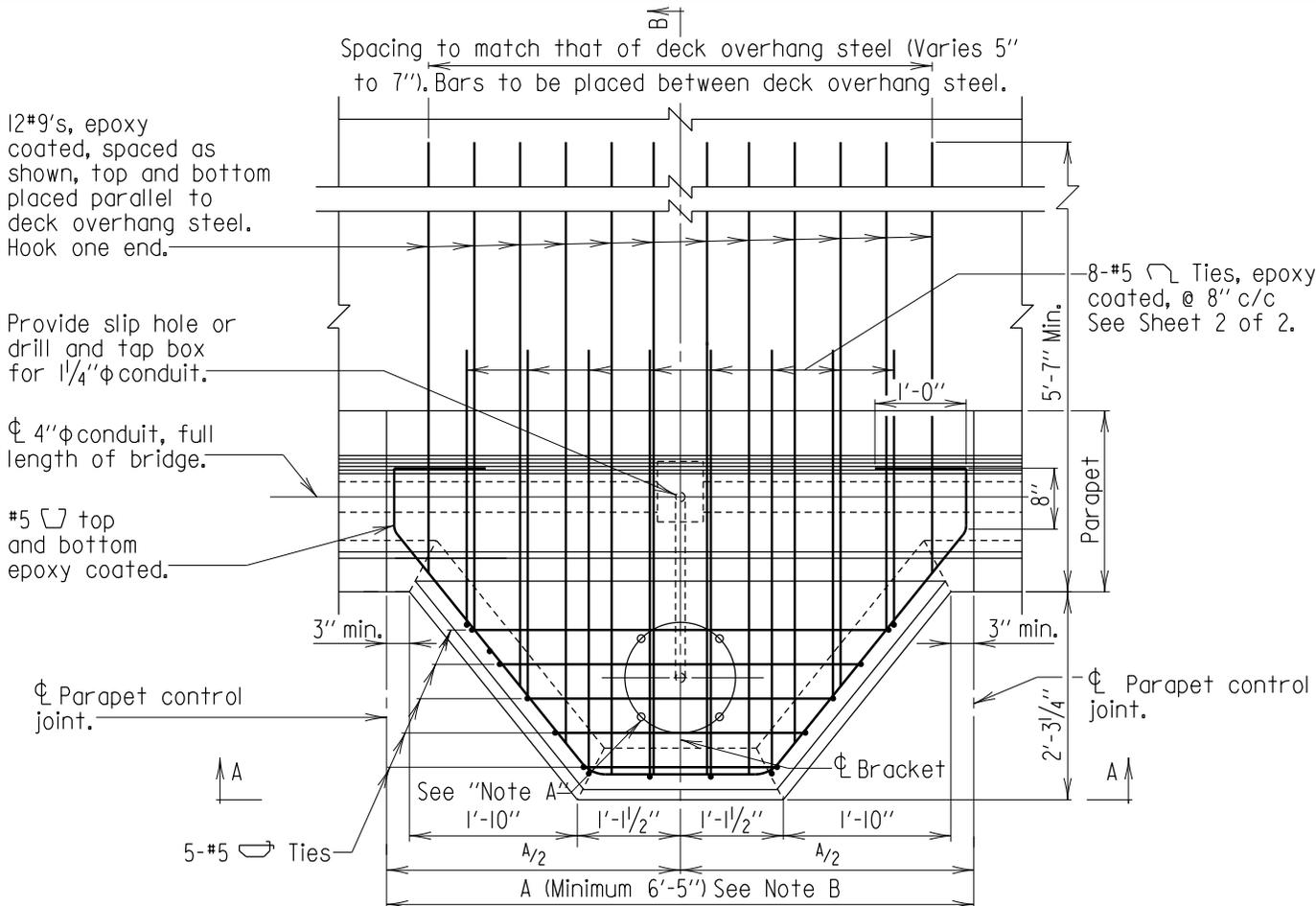
Note D:
F-Shape barrier is for illustrative
purposes only. See plans for
barrier type.

42' STRAIGHT BACK

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH STRAIGHT BACK	
DETAIL NO. SUP-SB(42F)-101	SHEET 2 OF 2

SUPER - SUPPORT BRACKET



12#9's, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel. Hook one end.

Provide slip hole or drill and tap box for 1/4"φ conduit.

φ 4"φ conduit, full length of bridge.

#5 top and bottom epoxy coated.

φ Parapet control joint.

5-#5 Ties

8-#5 Ties, epoxy coated, @ 8" c/c See Sheet 2 of 2.

Parapet

φ Parapet control joint.

φ Bracket

See "Note A"

1'-10"

1'-1/2"

1'-1/2"

1'-10"

A/2

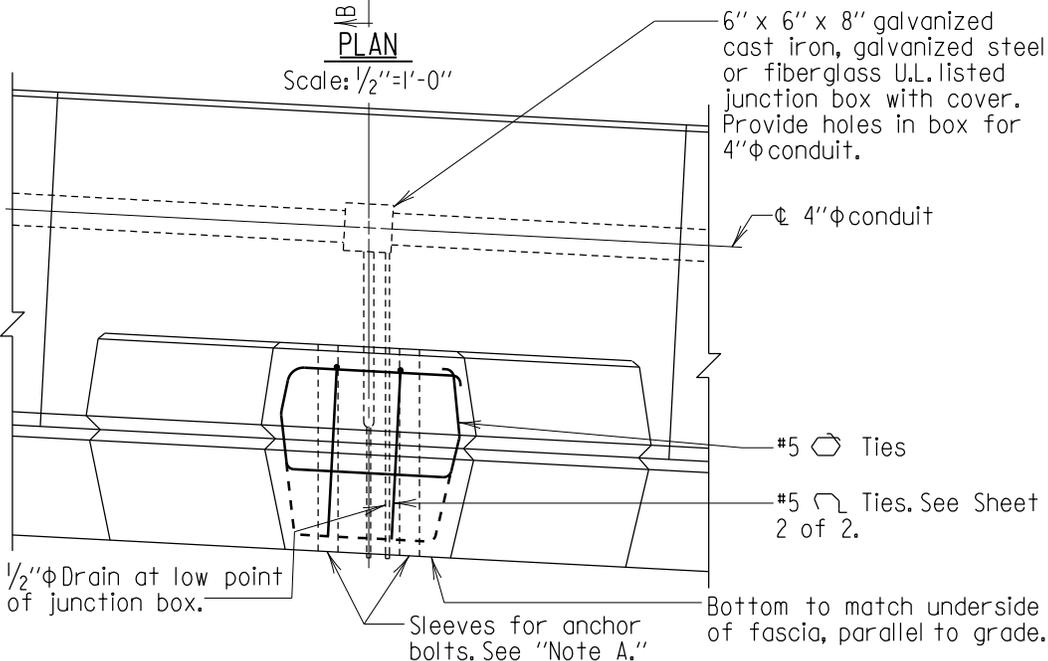
A/2

A (Minimum 6'-5") See Note B

Note B:
Station for light post support bracket shown on Plans is only approximate. φ Bracket to be located midway between parapet control joints.
A= Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).
If a light post is placed at φ of pier, eliminate the control joint at the φ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note:
Deck overhang reinforcing steel not shown.

PLAN
Scale: 1/2"=1'-0"



SECTION A-A
Scale: 1/2"=1'-0"

For Section "B-B" see Sheet 2 of 2.

42" DIAMOND BACK

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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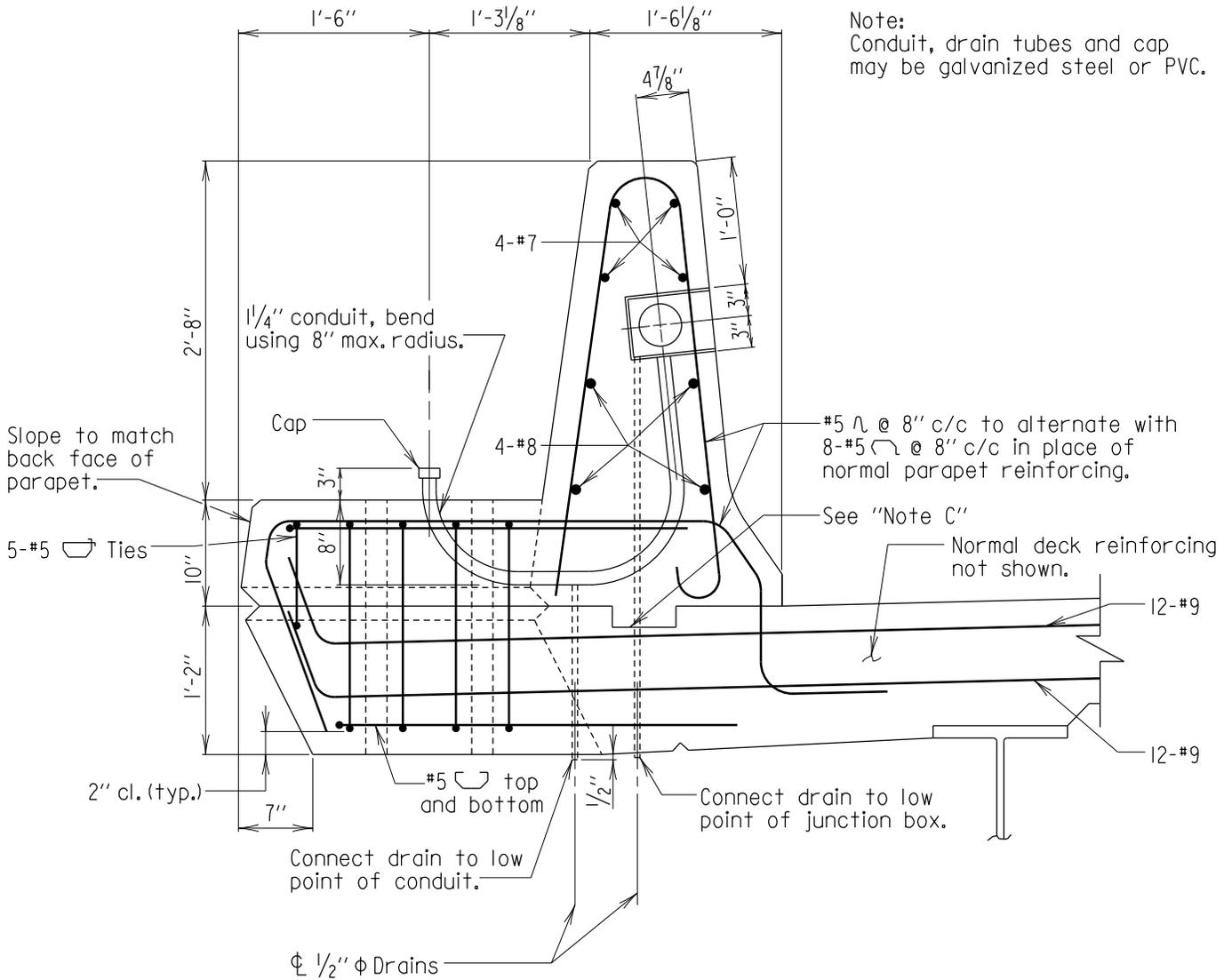
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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH DIAMOND BACK

DETAIL NO. SUP-SB(42F)-102

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



Note:
Conduit, drain tubes and cap
may be galvanized steel or PVC.

SECTION B-B FOR "F-SHAPE" BARRIER

Scale: 3/4"=1'-0"

Note:
All #7 and #8 bars shall be placed
continuously in the parapet from
expansion opening to expansion opening
in a simple span bridge and expansion
opening to centerline of pier in a
multispan bridge. Refer to either
SUP-TB(42F)-I02 or SUP-TB(42SS)-I02.

Note C:
The constr. jt. between the
parapet and the deck may vary
slightly from the joint indicated.
For exact details and location of the
joint see "Superstructure"
Sheet.

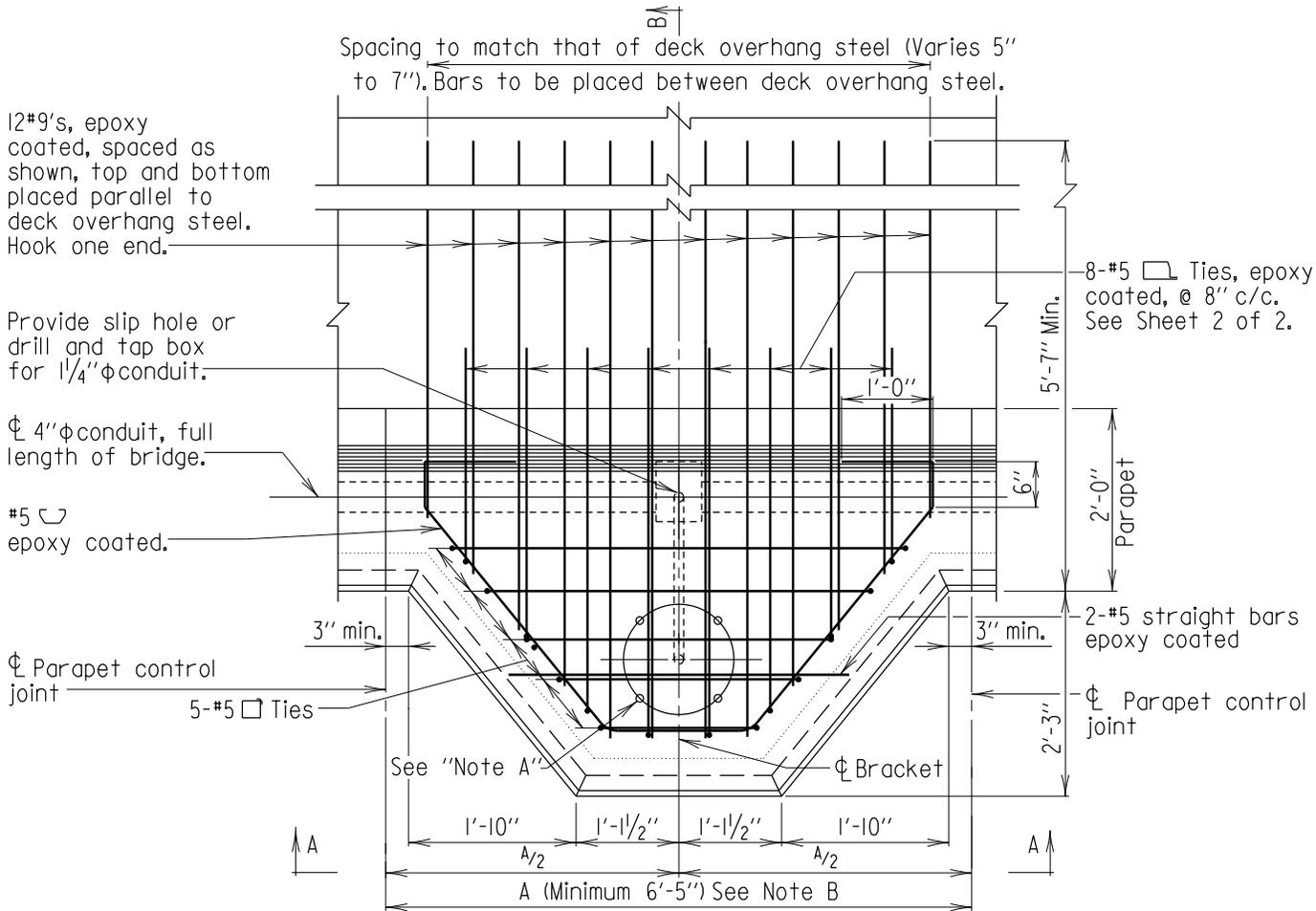
Note D:
F-Shape barrier is for illustrative
purposes only. See plans for
barrier type.

42' DIAMOND BACK

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42' F-SHAPE OR SINGLE SLOPE PARAPET WITH DIAMOND BACK
DETAIL NO. SUP-SB(42F)-I02
SHEET 2 OF 2

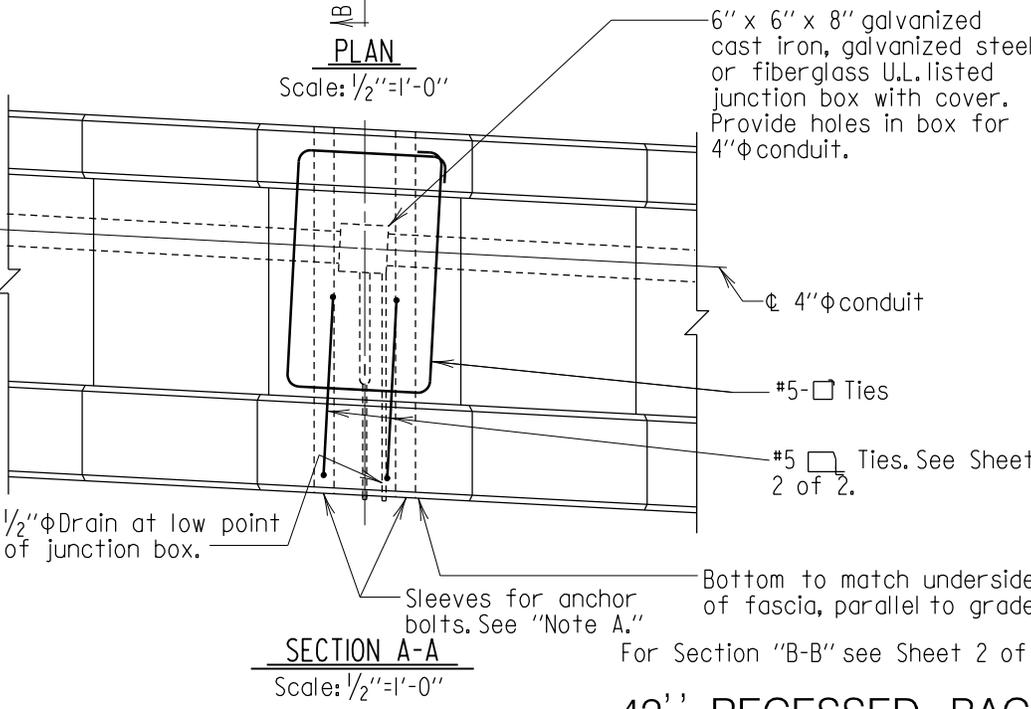
SUPER - SUPPORT BRACKET



Note B:
 Station for light post support bracket shown on Plans is only approximate. Φ Bracket to be located midway between parapet control joints.
 A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
 If a light post is placed at Φ of pier, eliminate the control joint at the Φ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note:
 Deck overhang reinforcing steel not shown.

Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.



For Section "B-B" see Sheet 2 of 2.

42" RECESSED BACK

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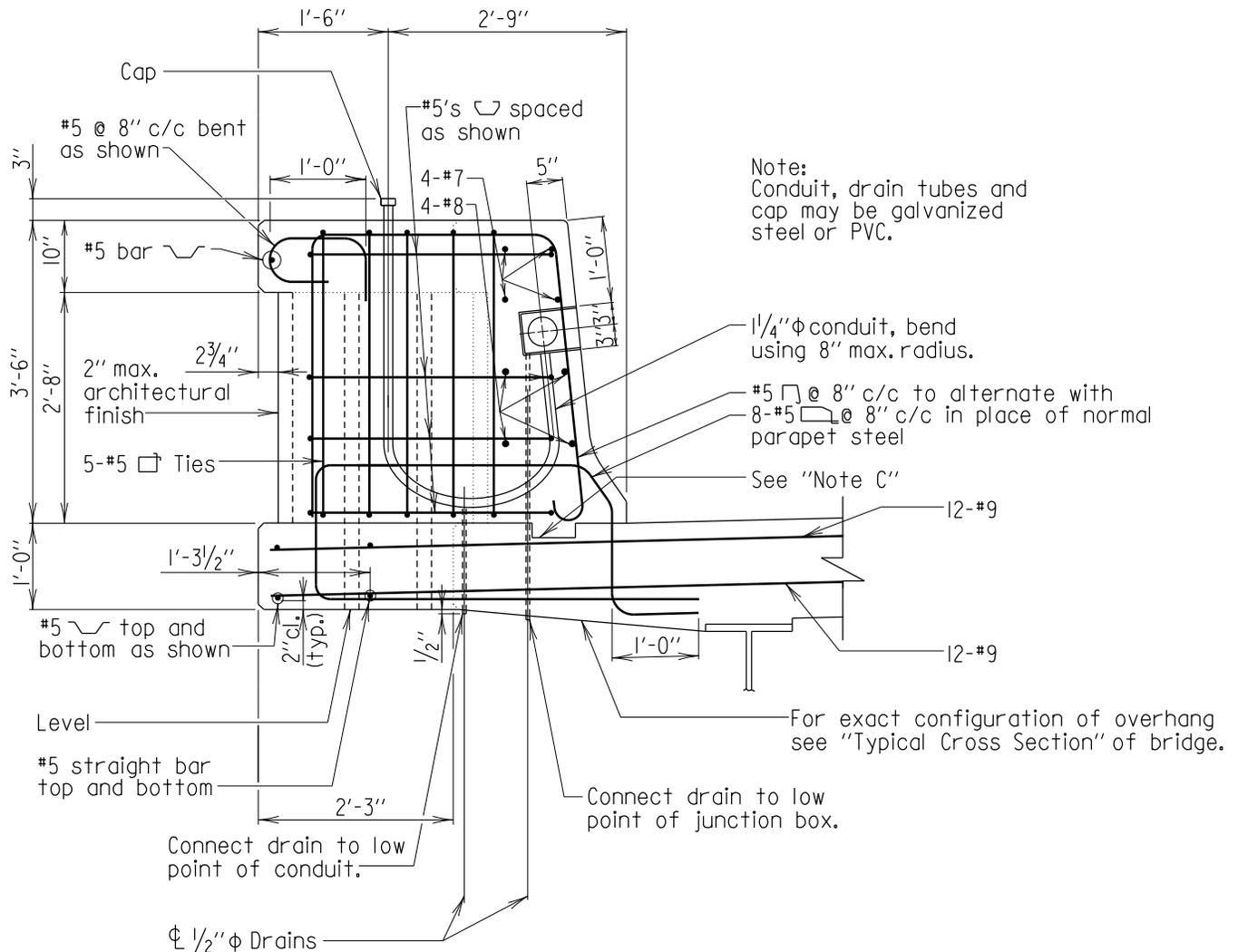
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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH ARCHITECTURAL FINISH

DETAIL NO. SUP-SB(42F)-103

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



SECTION B-B FOR "F-SHAPE" BARRIER

Scale: 1/2"=1'-0"

Note:
All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to either SUP-TB(42F)-I03 or SUP-TB(42SS)-I03.

Note C:
The constr. jt. between the parapet and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

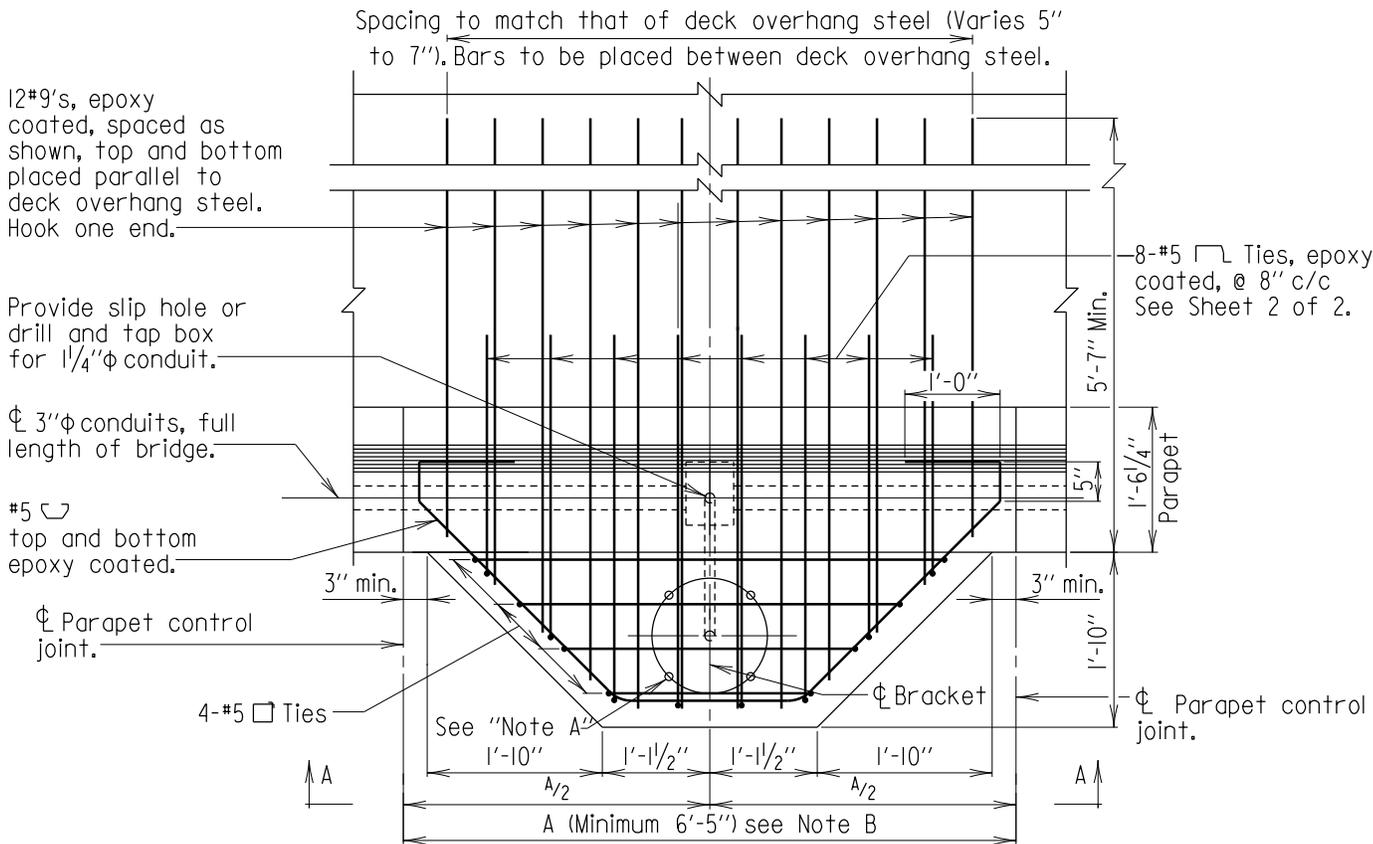
Note D:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.

42" RECESSED BACK

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH ARCHITECTURAL FINISH	
DETAIL NO. SUP-SB(42F)-I03	SHEET 2 OF 2

SUPER - SUPPORT BRACKET

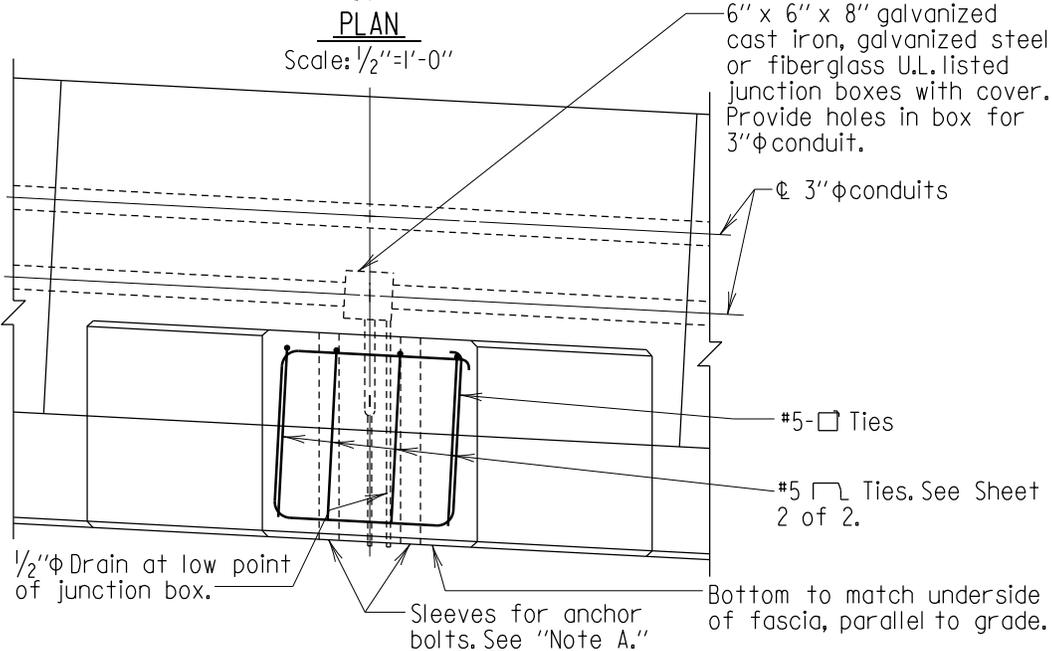


Note B:
 Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
 A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
 If a light post is placed at ϕ of pier, eliminate the control joint at the ϕ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note:
 Deck overhang reinforcing steel not shown.

Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

PLAN
 Scale: $\frac{1}{2}''=1'-0''$



SECTION A-A
 Scale: $\frac{1}{2}''=1'-0''$

For Section "B-B" see Sheet 2 of 2.

42' STRAIGHT BACK

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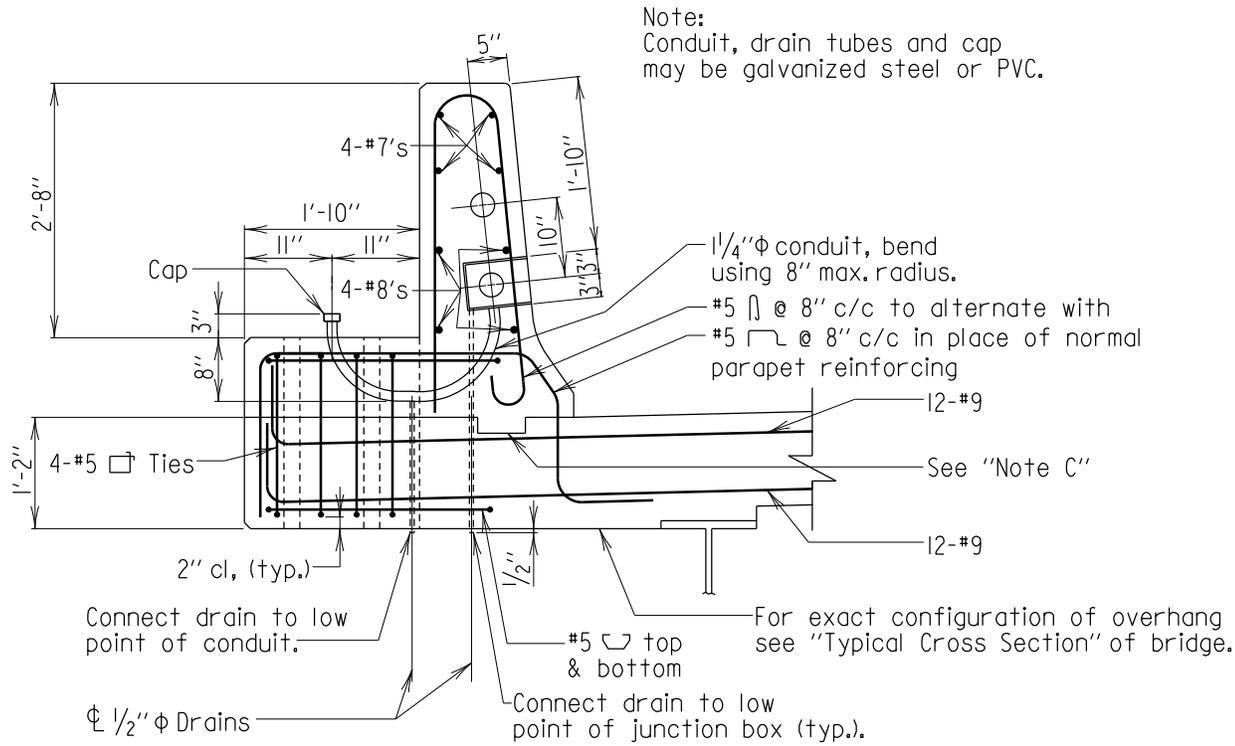
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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42' F-SHAPE OR SINGLE SLOPE PARAPET WITH STRAIGHT BACK

DETAIL NO. SUP-SB(42F)-201

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



Note:
Conduit, drain tubes and cap
may be galvanized steel or PVC.

SECTION B-B FOR "F-SHAPE" BARRIER
Scale: 1/2" = 1'-0"

Note:
All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to either SUP-TB(42F)-101 or SUP-TB(42SS)-101.

Note C:
The constr. jt. between the parapet and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

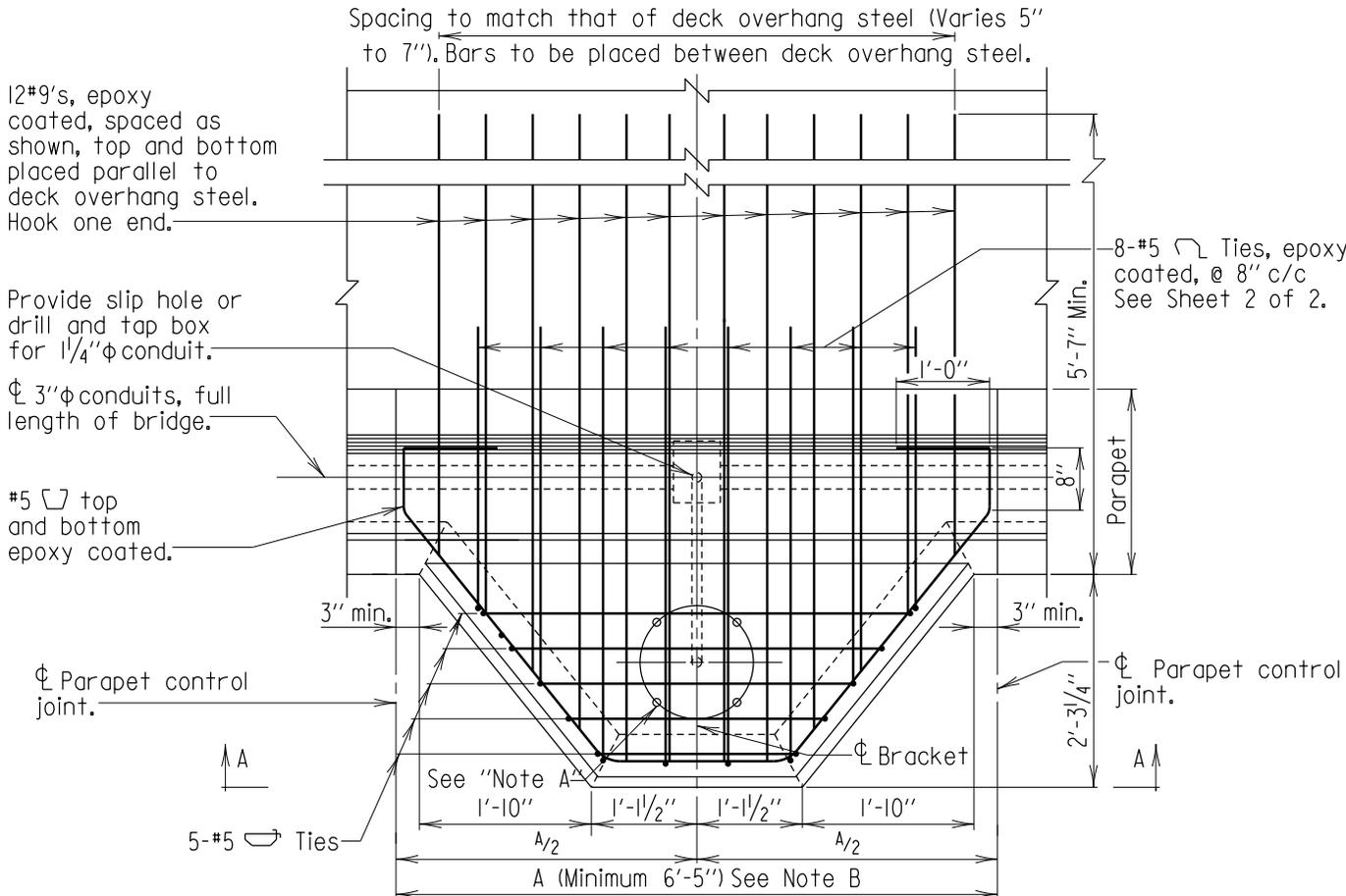
Note D:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.

42" STRAIGHT BACK

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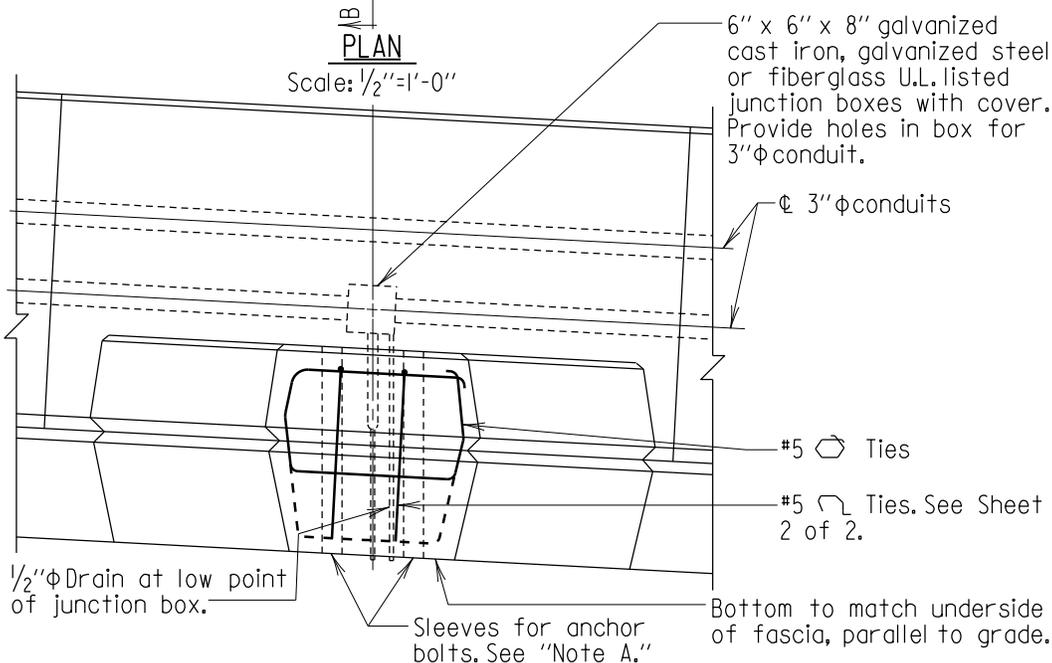
STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH STRAIGHT BACK
DETAIL NO. SUP-SB(42F)-201
SHEET 2 OF 2

SUPER - SUPPORT BRACKET



Note B:
 Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
 A= Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).
 If a light post is placed at ϕ of pier, eliminate the control joint at the ϕ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note:
 Deck overhang reinforcing steel not shown.



SECTION A-A
 Scale: 1/2"=1'-0"

For Section "B-B" see Sheet 2 of 2.

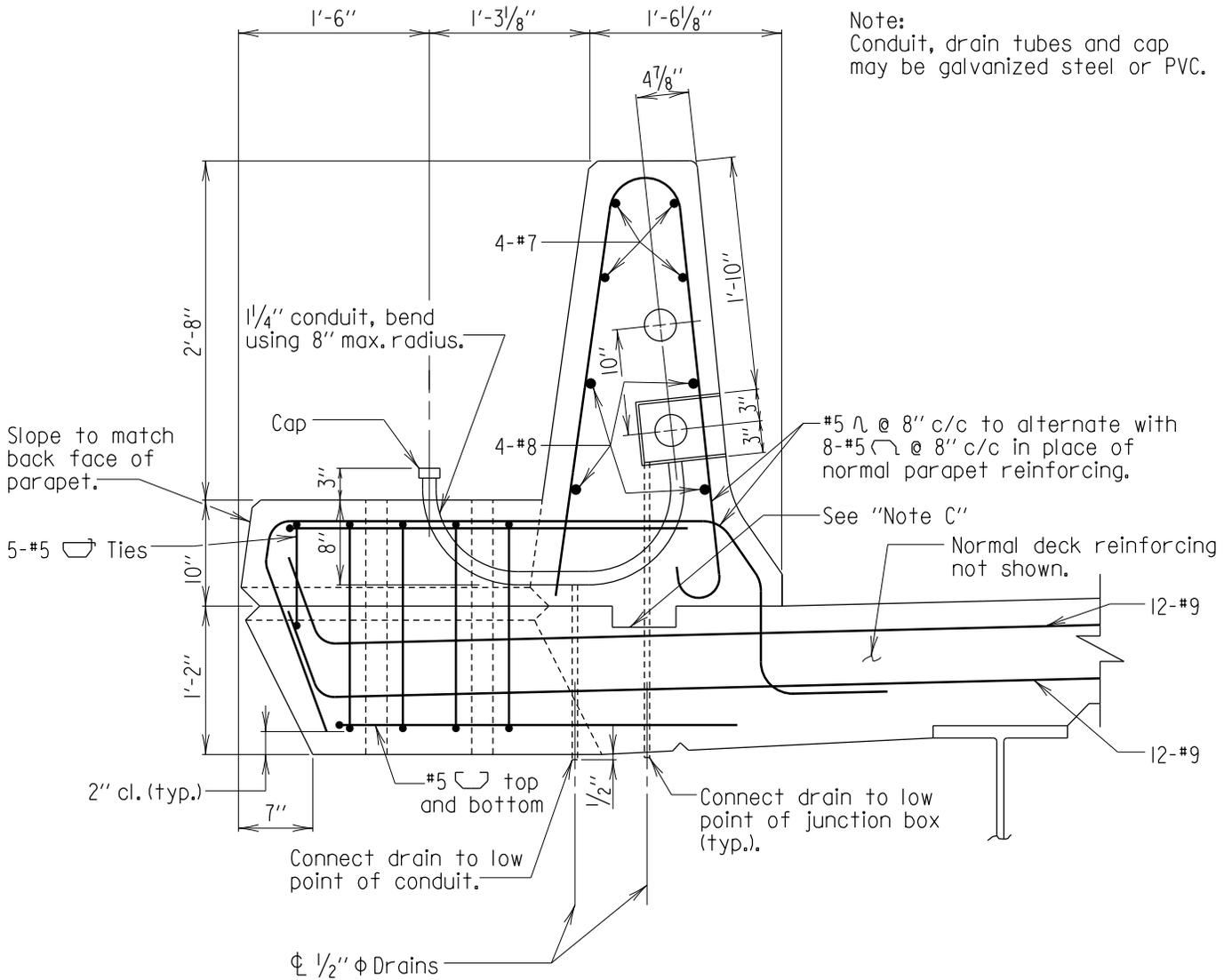
42" DIAMOND BACK

Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH DIAMOND BACK
DETAIL NO. SUP-SB(42F)-202
SHEET 1 OF 2

SUPER-CONCRETE WORK



Note:
Conduit, drain tubes and cap
may be galvanized steel or PVC.

SECTION B-B FOR "F-SHAPE" BARRIER

Scale: 3/4"=1'-0"

Note:
All #7 and #8 bars shall be placed
continuously in the parapet from
expansion opening to expansion opening
in a simple span bridge and expansion
opening to centerline of pier in a
multispan bridge. Refer to either
SUP-TB(42F)-102 or SUP-TB(42SS)-102.

Note C:

The constr. jt. between the
parapet and the deck may vary
slightly from the joint indicated.
For exact details and location of the
joint see "Superstructure"
Sheet.

Note D:

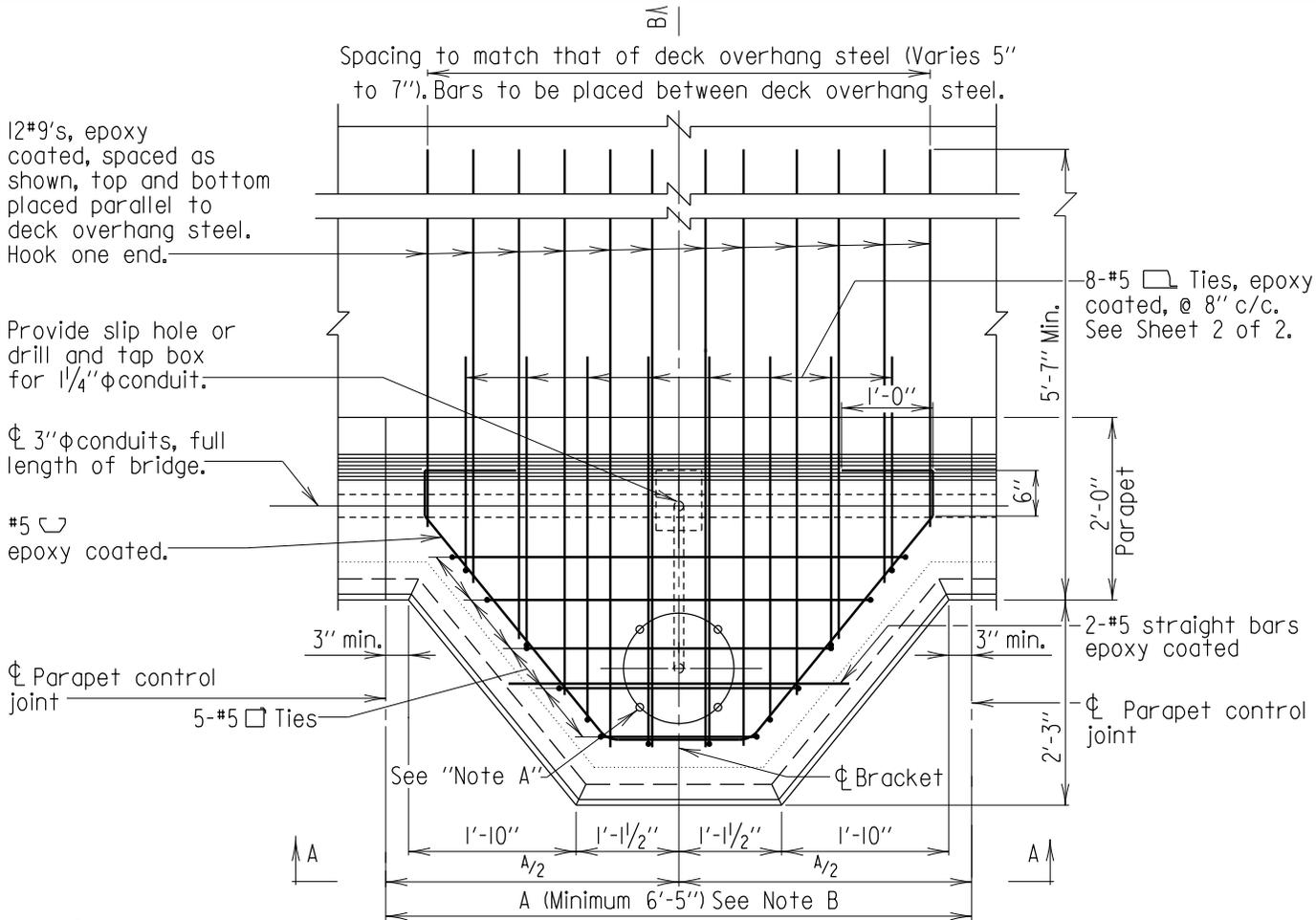
F-Shape barrier is for illustrative
purposes only. See plans for
barrier type.

42" DIAMOND BACK

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<i>Ben C. ...</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 08/23/2019
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1.02

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH DIAMOND BACK
DETAIL NO. SUP-SB(42F)-202
SHEET 2 OF 2

SUPER - SUPPORT BRACKET



12#9's, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel. Hook one end.

Provide slip hole or drill and tap box for 1/4" φ conduit.

φ 3" φ conduits, full length of bridge.

#5 epoxy coated.

φ Parapet control joint

5-#5 Ties

See "Note A"

φ Bracket

8-#5 Ties, epoxy coated, @ 8" c/c. See Sheet 2 of 2.

2'-0" Parapet

2-#5 straight bars epoxy coated

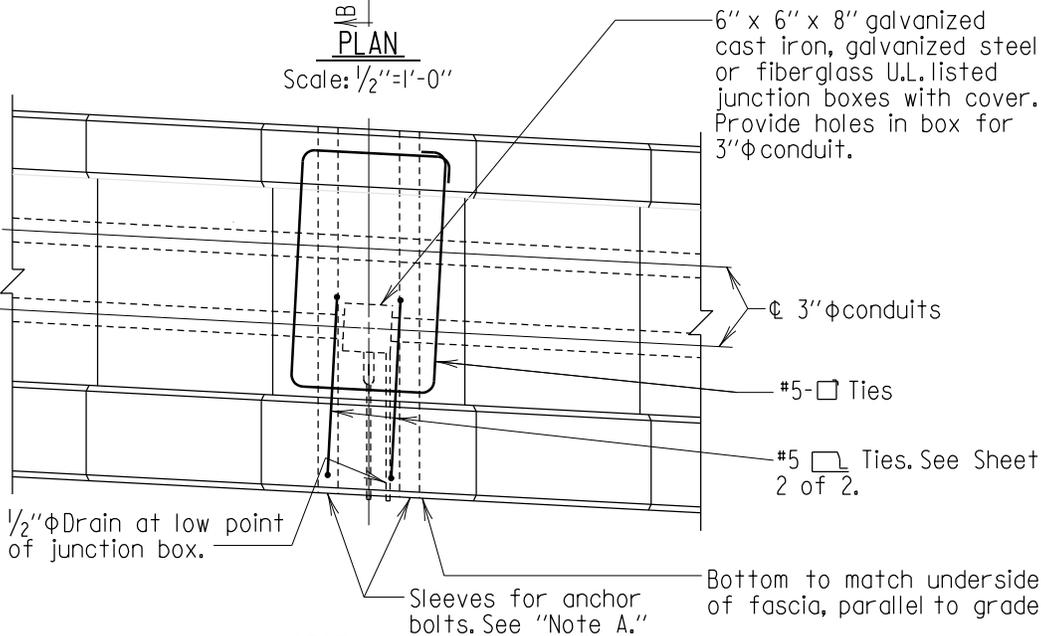
φ Parapet control joint

A ↑

A ↑

Note B:
Station for light post support bracket shown on Plans is only approximate. φ Bracket to be located midway between parapet control joints.
A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
If a light post is placed at φ of pier, eliminate the control joint at the φ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

PLAN
Scale: 1/2" = 1'-0"



6" x 6" x 8" galvanized cast iron, galvanized steel or fiberglass U.L. listed junction boxes with cover. Provide holes in box for 3" φ conduit.

φ 3" φ conduits

#5 Ties

#5 Ties. See Sheet 2 of 2.

1/2" φ Drain at low point of junction box.

Sleeves for anchor bolts. See "Note A."

Bottom to match underside of fascia, parallel to grade.

SECTION A-A
Scale: 1/2" = 1'-0"

For Section "B-B" see Sheet 2 of 2.

Note:
Deck overhang reinforcing steel not shown.

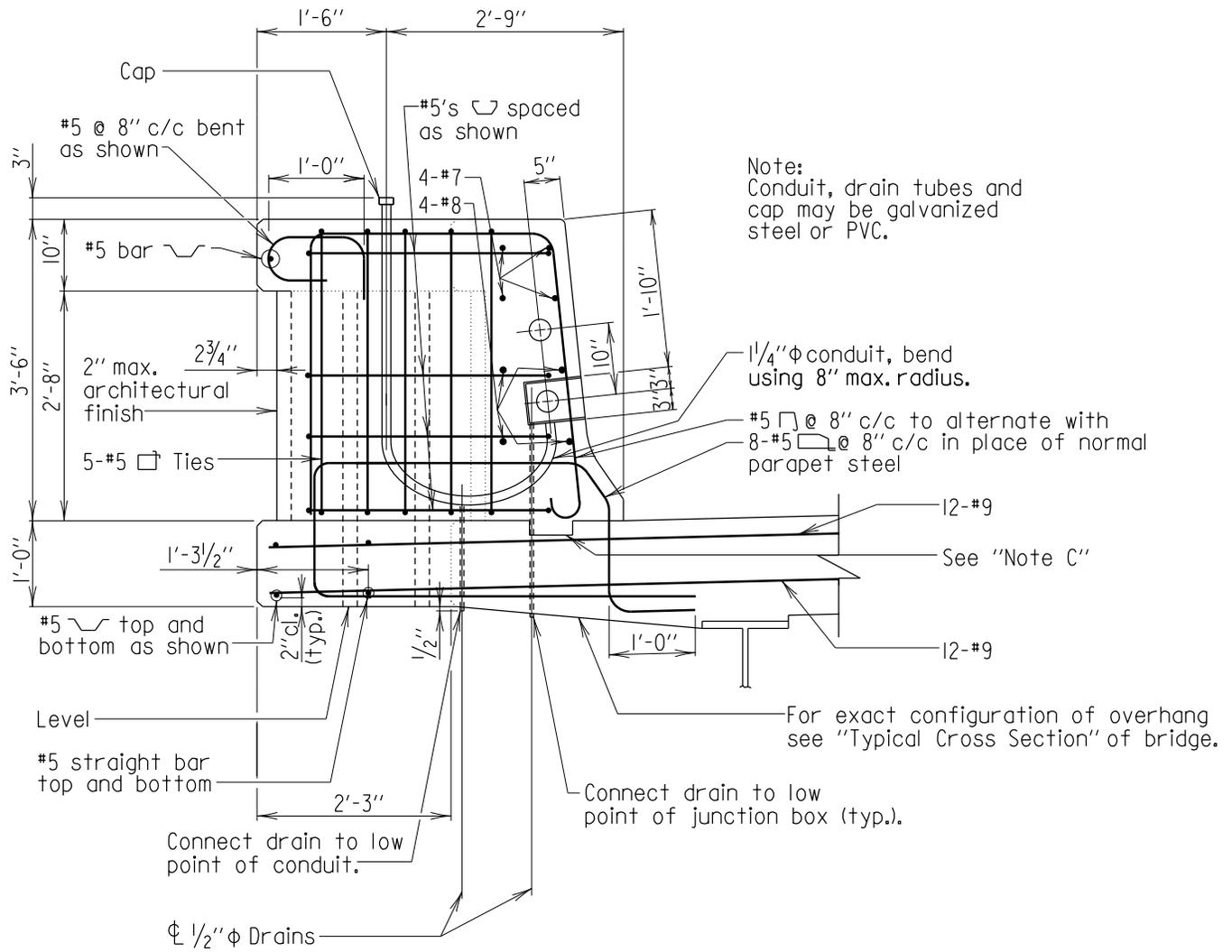
42" RECESSED BACK

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH ARCHITECTURAL FINISH
DETAIL NO. SUP-SB(42F)-203
SHEET 1 OF 2

SUPER-CONCRETE WORK



SECTION B-B FOR "F-SHAPE" BARRIER

Scale: 1/2"=1'-0"

Note:
 All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to either SUP-TB(42F)-I03 or SUP-TB(42SS)-I03.

Note C:
 The constr. jt. between the parapet and the deck slab may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

Note D:
 F-Shape barrier is for illustrative purposes only. See plans for barrier type.

42" RECESSED BACK

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH ARCHITECTURAL FINISH	
DETAIL NO. SUP-SB(42F)-203	SHEET <u>2</u> OF <u>2</u>

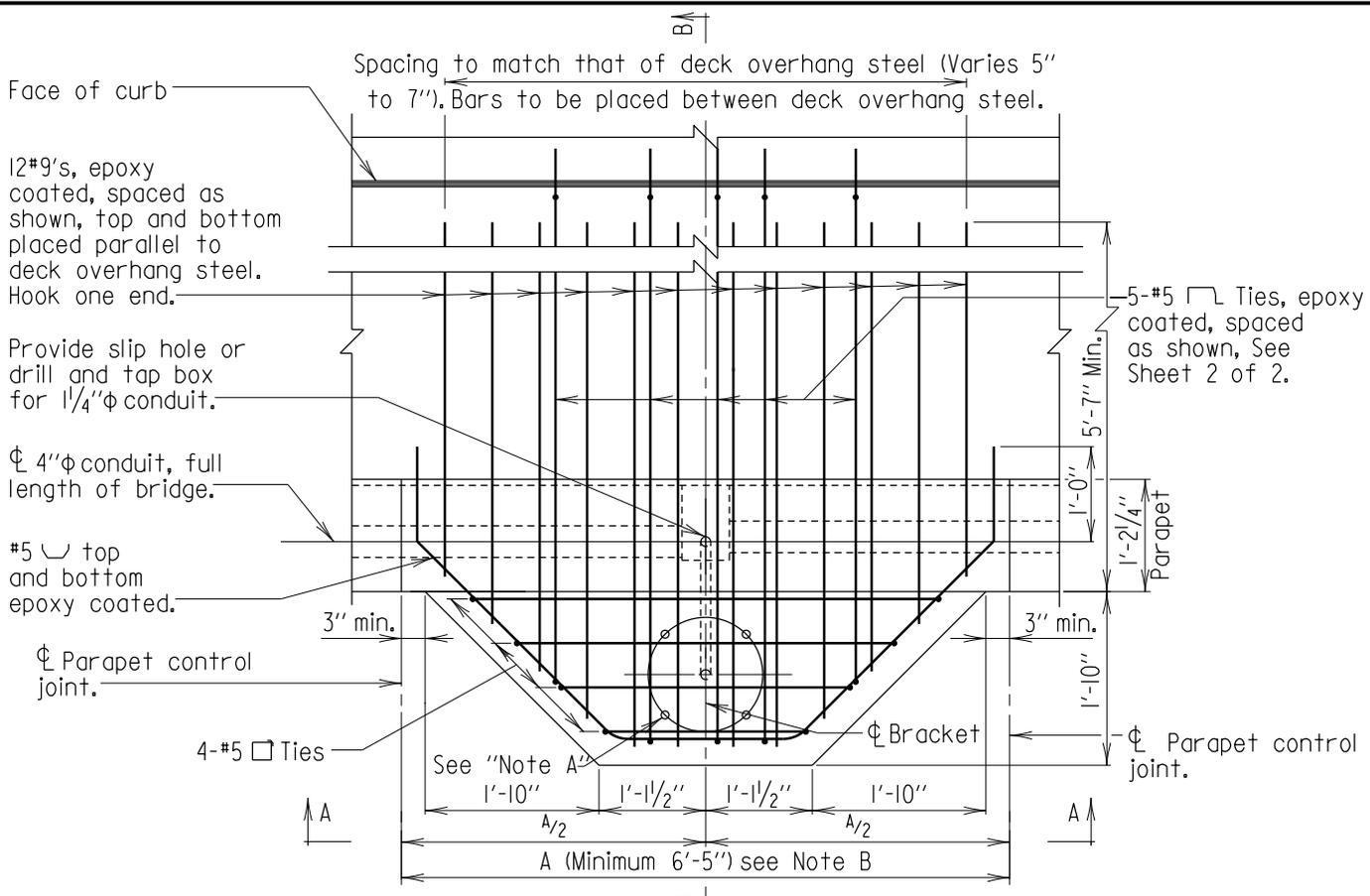
SUPER-CONCRETE WORK

Chapter 03 - Superstructure

Section 03 – Support Brackets

SUB-SECTION 02

PARAPET WITH SIDEWALK (SUP-SB(SW))



12#9's, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel. Hook one end.

Provide slip hole or drill and tap box for 1/4" φ conduit.

φ 4" φ conduit, full length of bridge.

#5 ∟ top and bottom epoxy coated.

φ Parapeet control joint.

4-#5 □ Ties

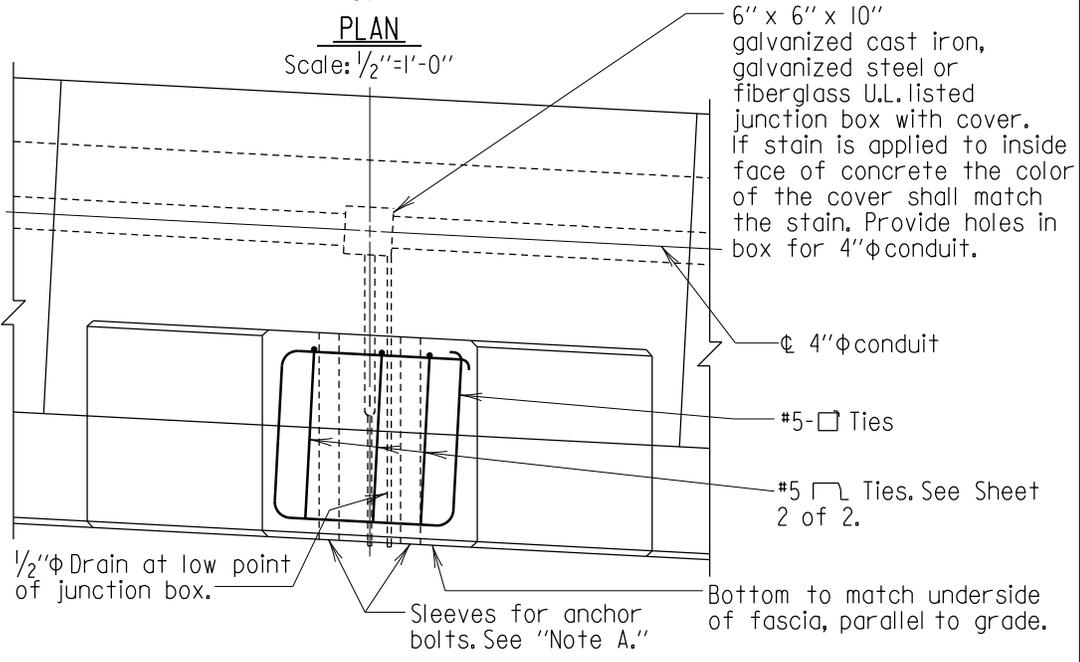
5-#5 ∟ Ties, epoxy coated, spaced as shown, See Sheet 2 of 2.

φ Parapeet control joint.

Spacing to match that of deck overhang steel (Varies 5" to 7"). Bars to be placed between deck overhang steel.

PLAN
Scale: 1/2" = 1'-0"

Note B:
Station for light post support bracket shown on Plans is only approximate. φ Bracket to be located midway between parapeet control joints.
A = Normal parapeet control joint spacing (adjust as necessary to meet minimum limitations).
If a light post is placed at φ of pier, eliminate the control joint at the φ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



SECTION A-A
Scale: 1/2" = 1'-0"

For Section "B-B" see Sheet 2 of 2.

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

SIDEWALK WITH STRAIGHT BACK

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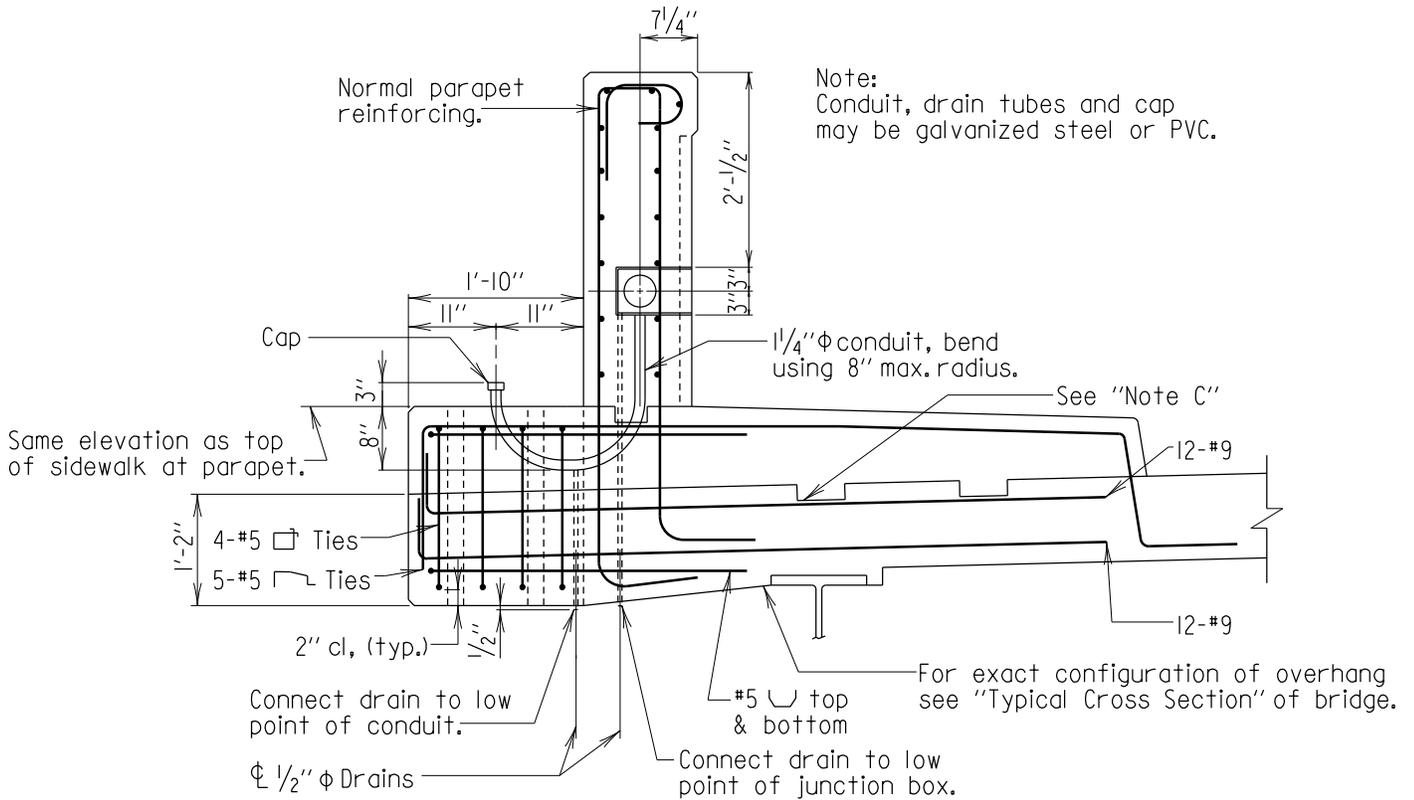
STATE OF MARYLAND
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STATE HIGHWAY ADMINISTRATION
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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPEET WITH STRAIGHT BACK AND SIDEWALK

DETAIL NO. SUP-SB(SW)-101

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/2"=1'-0"

Note:

All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-101.

Note C:

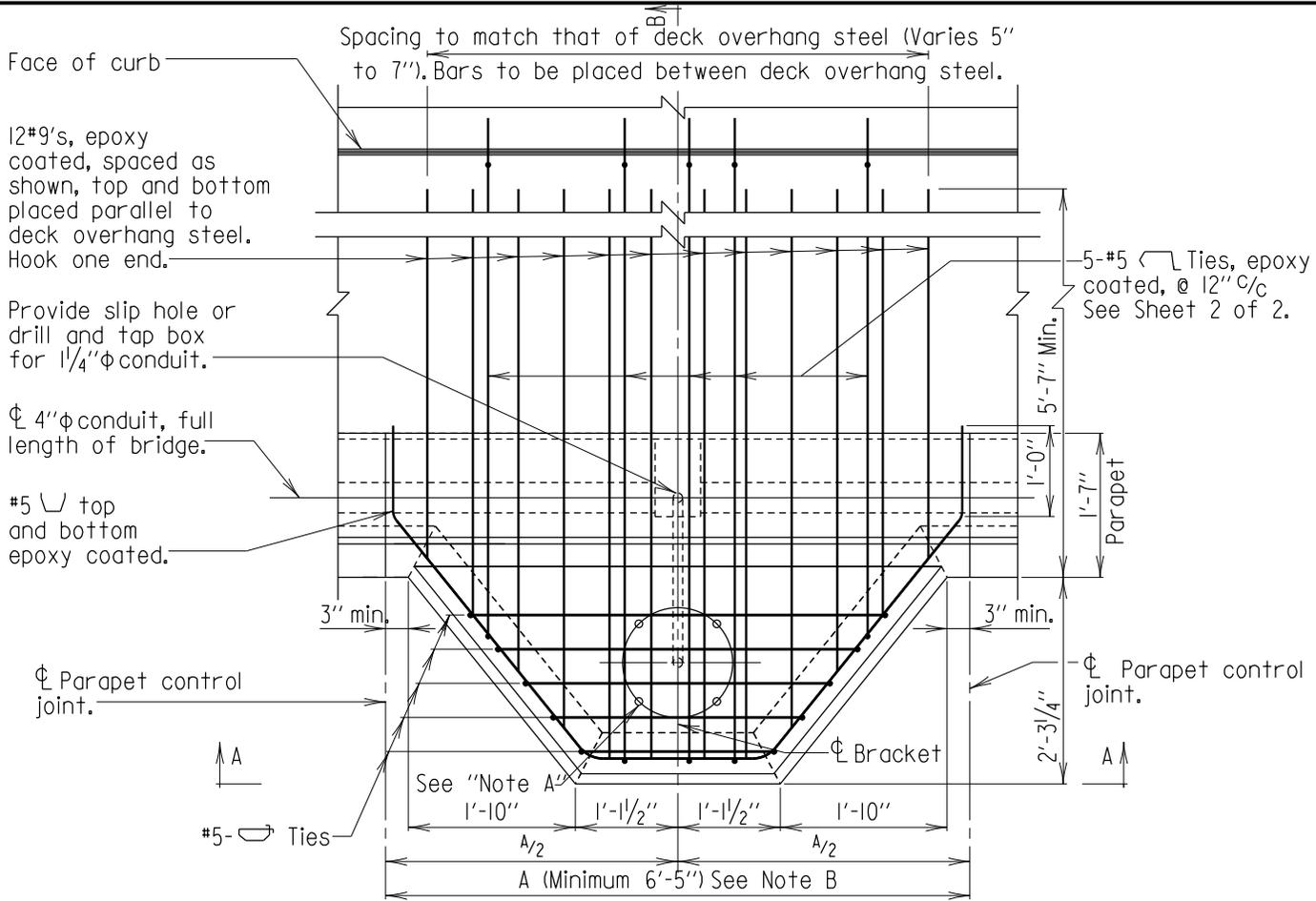
The constr. jt. between the sidewalk and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

SIDEWALK WITH STRAIGHT BACK

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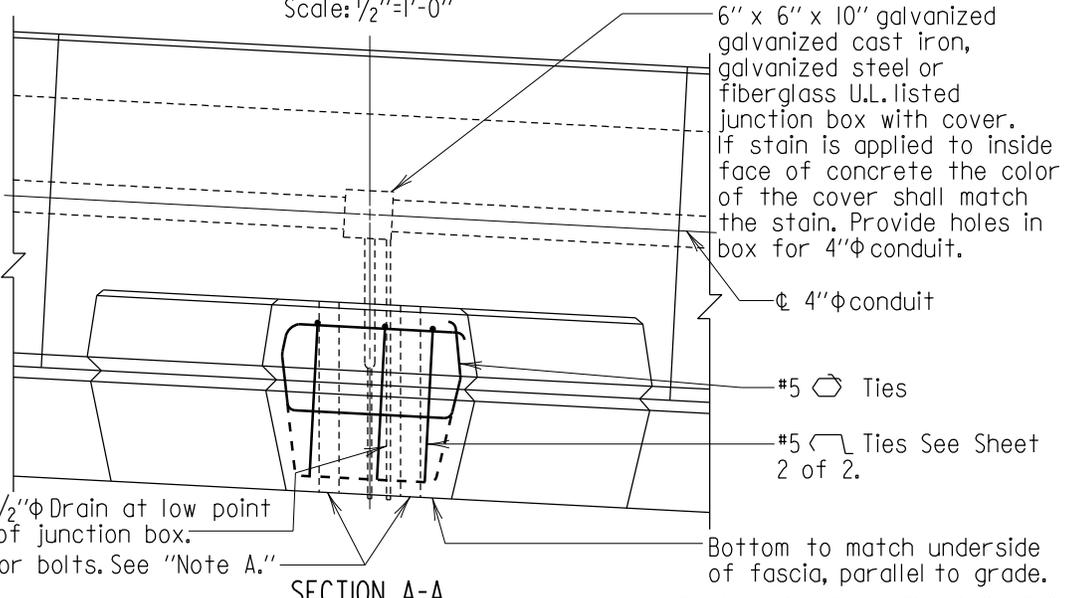
STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH STRAIGHT BACK AND SIDEWALK	
DETAIL NO. SUP-SB(SW)-101	SHEET 2 OF 2

SUPER - SUPPORT BRACKET



PLAN
Scale: 1/2"=1'-0"

Note B:
Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
A= Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).
If a light post is placed at ϕ of pier, eliminate the control joint at the ϕ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



SECTION A-A
Scale: 1/2"=1'-0"

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

SIDEWALK WITH DIAMOND BACK

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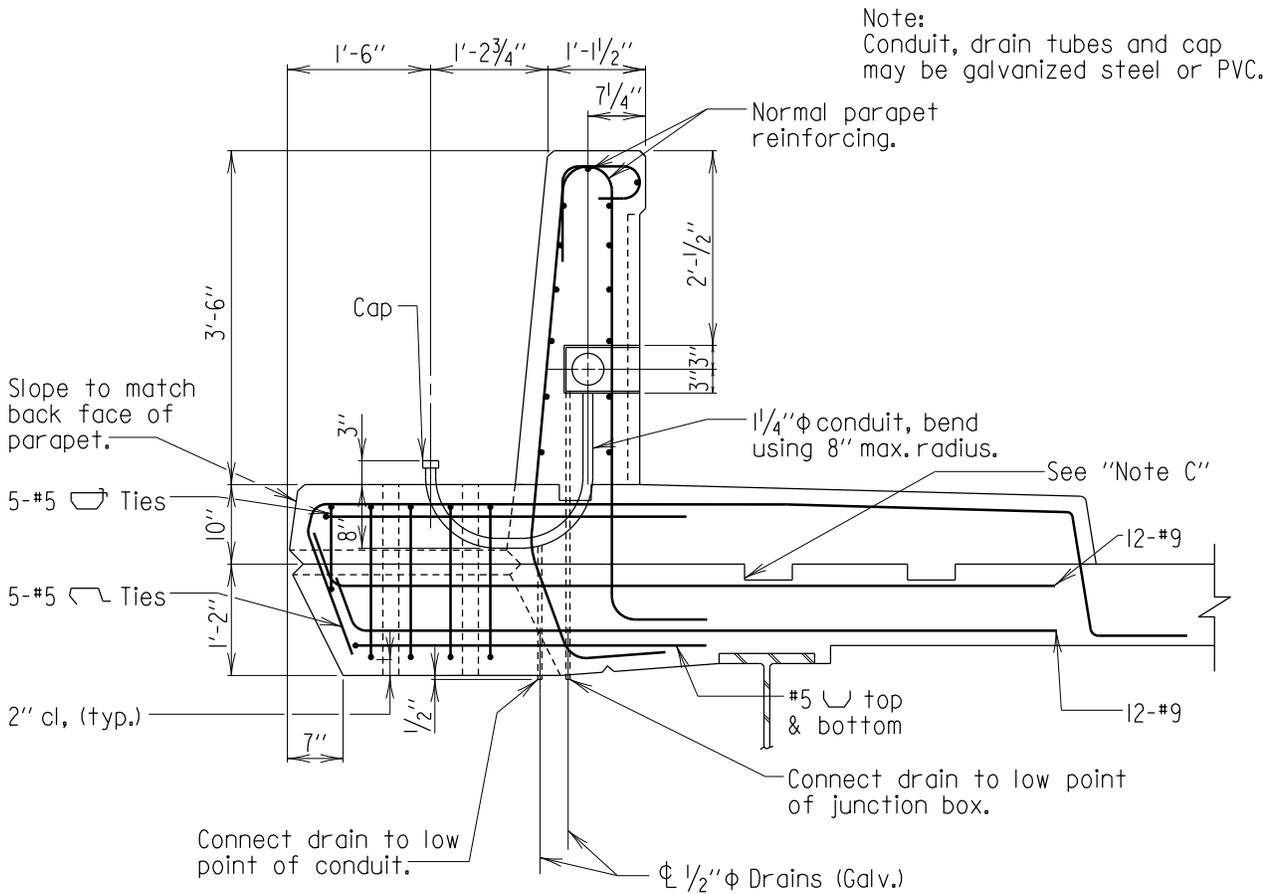
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH DIAMOND BACK AND SIDEWALK

DETAIL NO. SUP-SB(SW)-102

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/2"=1'-0"

Note:

All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-102.

Note C:

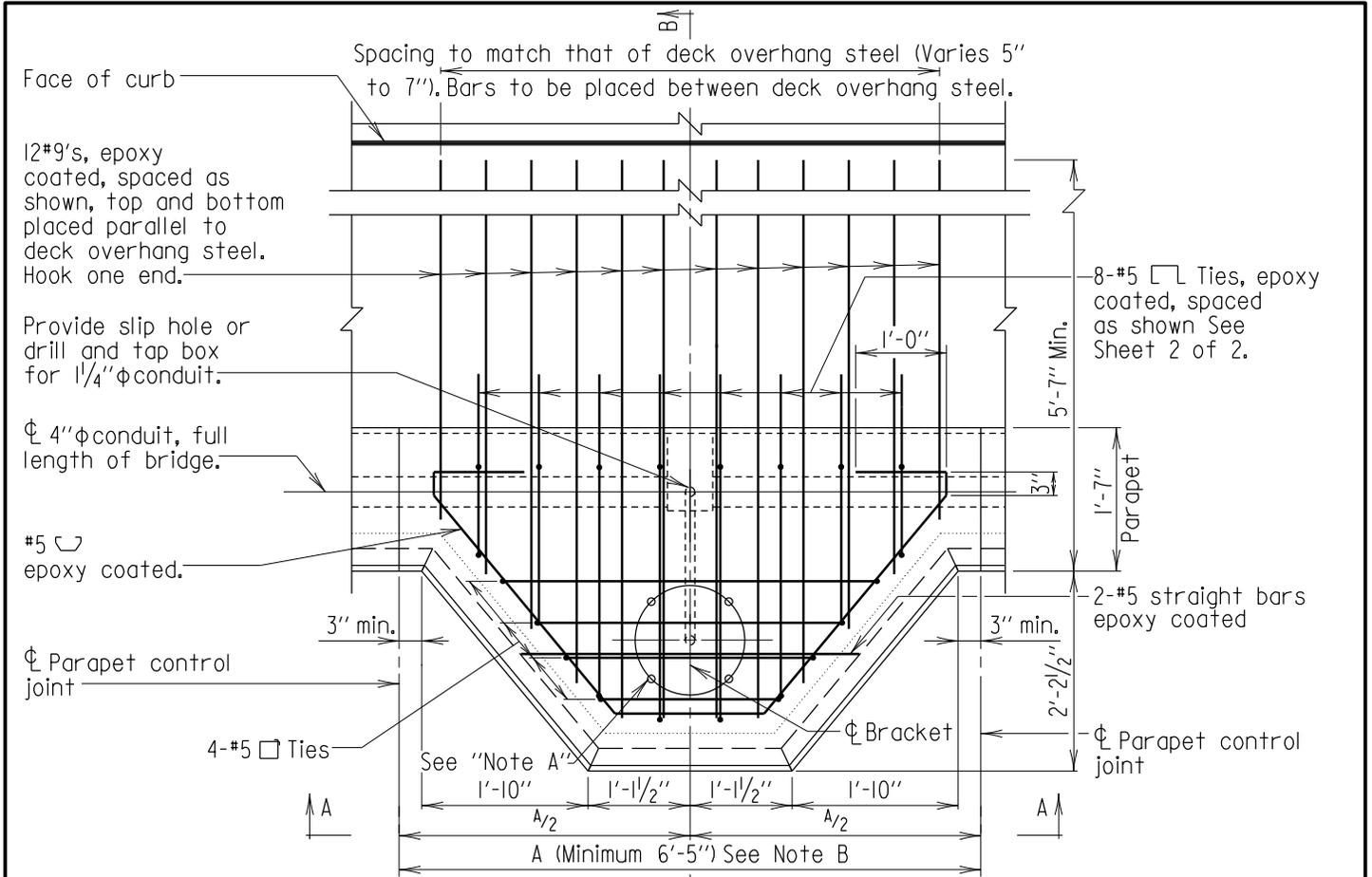
The constr. jt. between the sidewalk and the deck slab may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

SIDEWALK WITH DIAMOND BACK

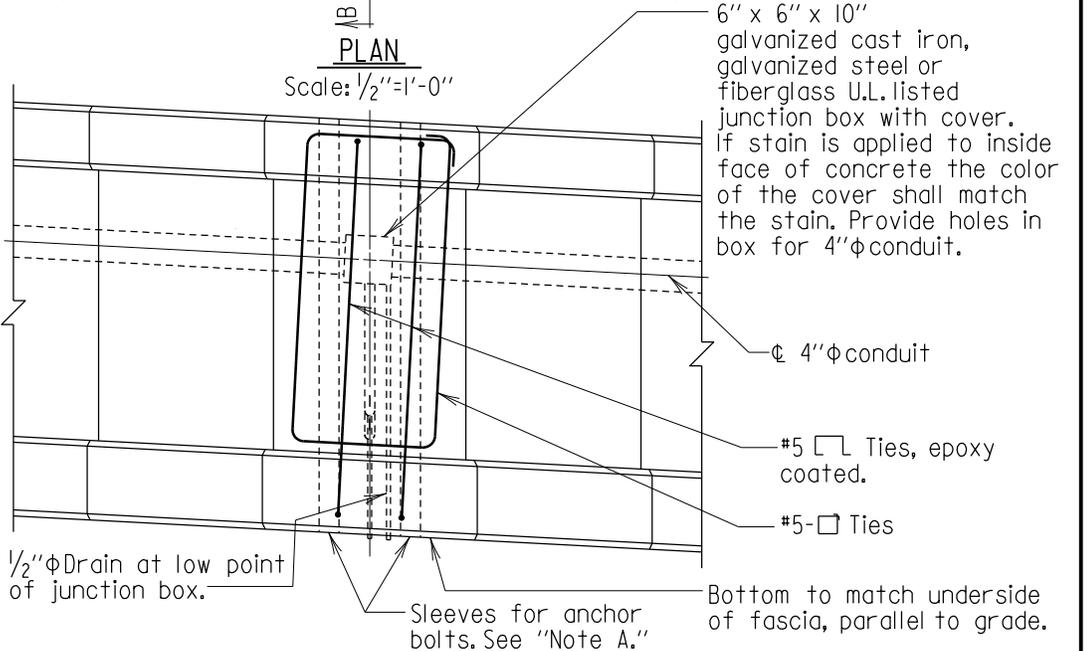
APPROVAL
<i>Ben C. [Signature]</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 08/23/2019
VERSION
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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH DIAMOND BACK AND SIDEWALK
DETAIL NO. SUP-SB(SW)-102
SHEET 2 OF 2

SUPER - SUPPORT BRACKET



Note B:
 Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
 A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
 If a light post is placed at ϕ of pier, eliminate the control joint at the ϕ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



SECTION A-A
 Scale: 1/2" = 1'-0"

For Section "B-B" see Sheet 2 of 2.

Note:
 Deck overhang reinforcing steel not shown.

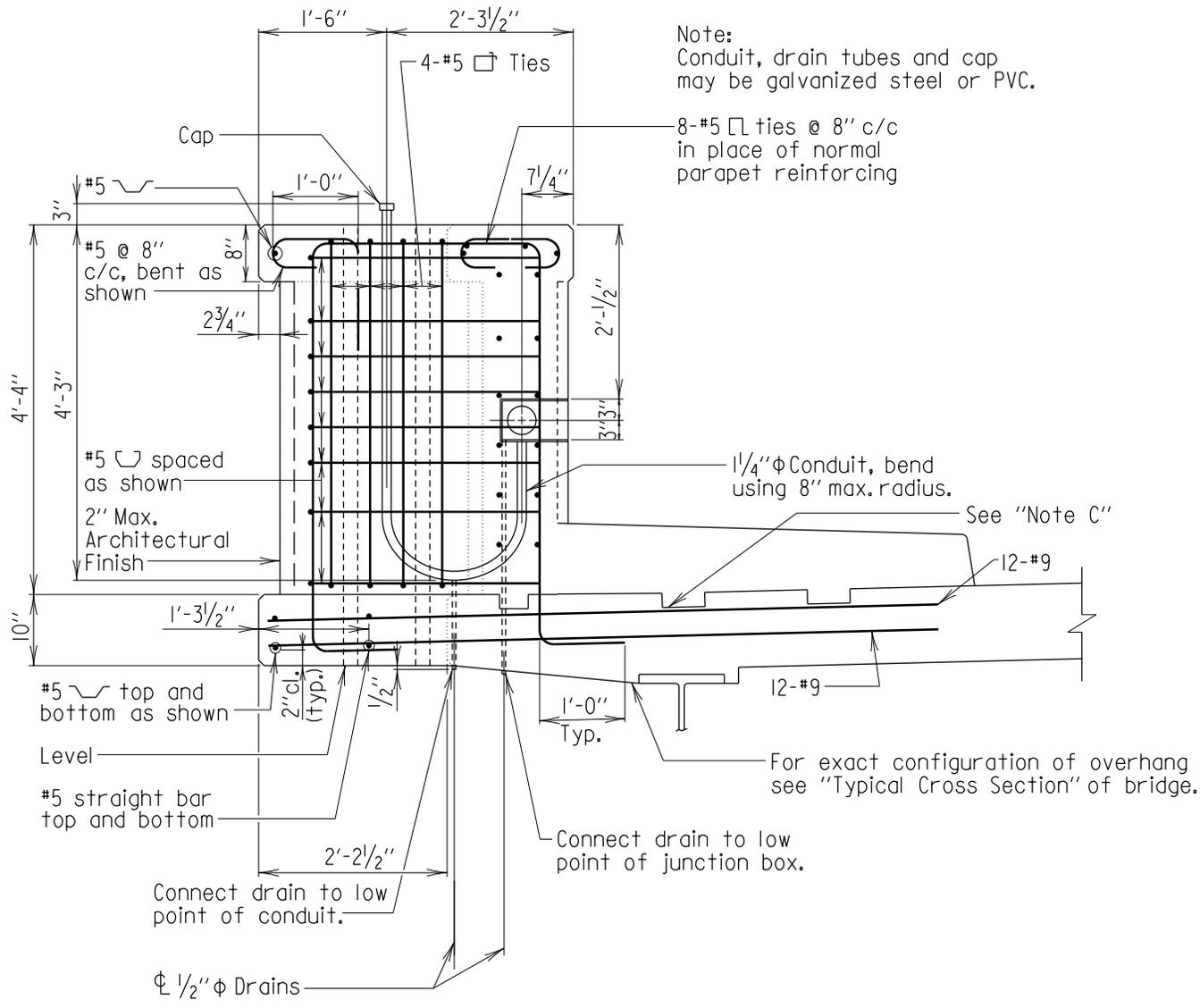
Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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RECESSED BACK WITH SIDEWALK

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH ARCHITECTURAL FINISH AND SIDEWALK	
DETAIL NO. SUP-SB(SW)-103	SHEET 1 OF 2

SUPER - SUPPORT BRACKET



SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/2"=1'-0"

Note:
 All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-103.

Note C:
 The constr. jt. between the sidewalk and the deck may vary slightly from the joint indicated.
 For exact details and location of the joint see "Superstructure" Sheet.

RECESSED BACK WITH SIDEWALK

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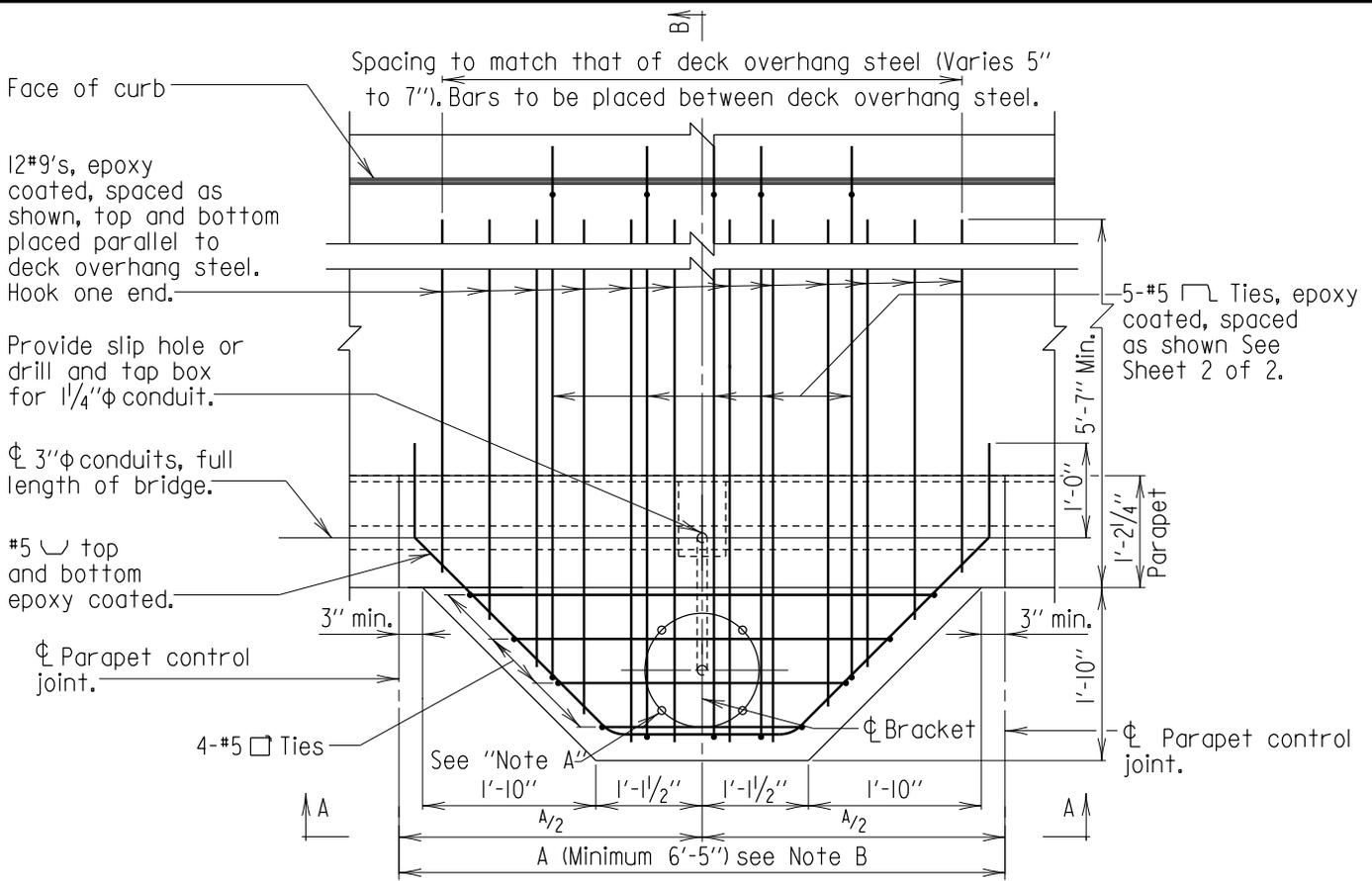
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 OFFICE OF STRUCTURES

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH ARCHITECTURAL FINISH AND SIDEWALK

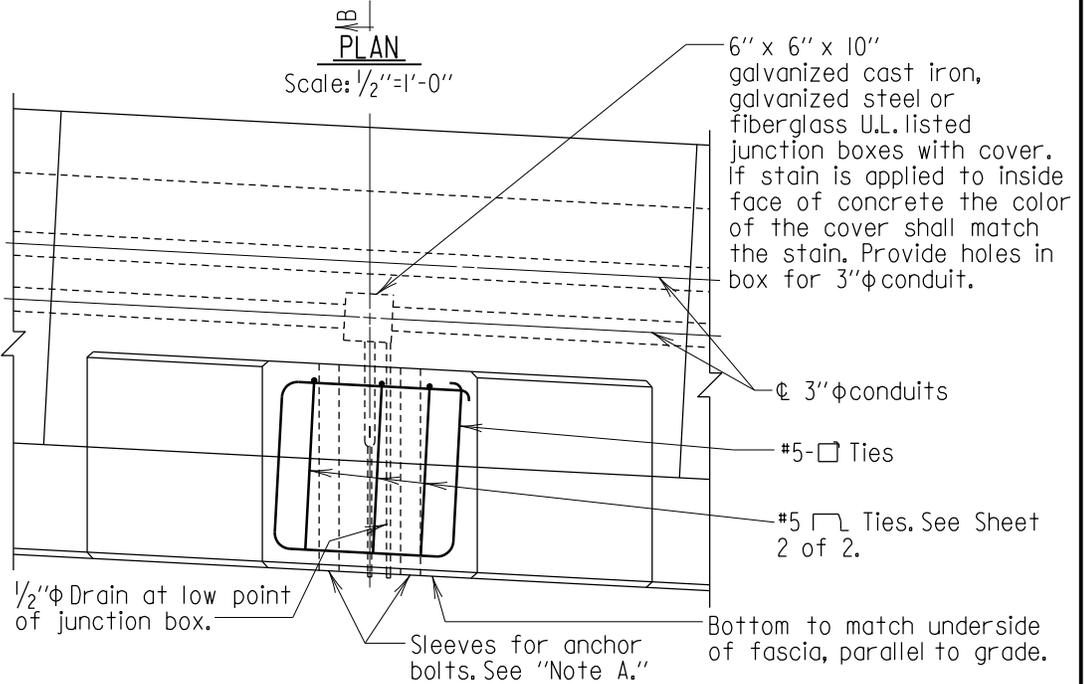
DETAIL NO. SUP-SB(SW)-103

SHEET 2 OF 2

SUPER - SUPPORT BRACKET



Note B:
 Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
 A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
 If a light post is placed at ϕ of pier, eliminate the control joint at the ϕ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



Note:
 Deck overhang reinforcing steel not shown.

SECTION A-A
 Scale: 1/2" = 1'-0"

For Section "B-B" see Sheet 2 of 2.

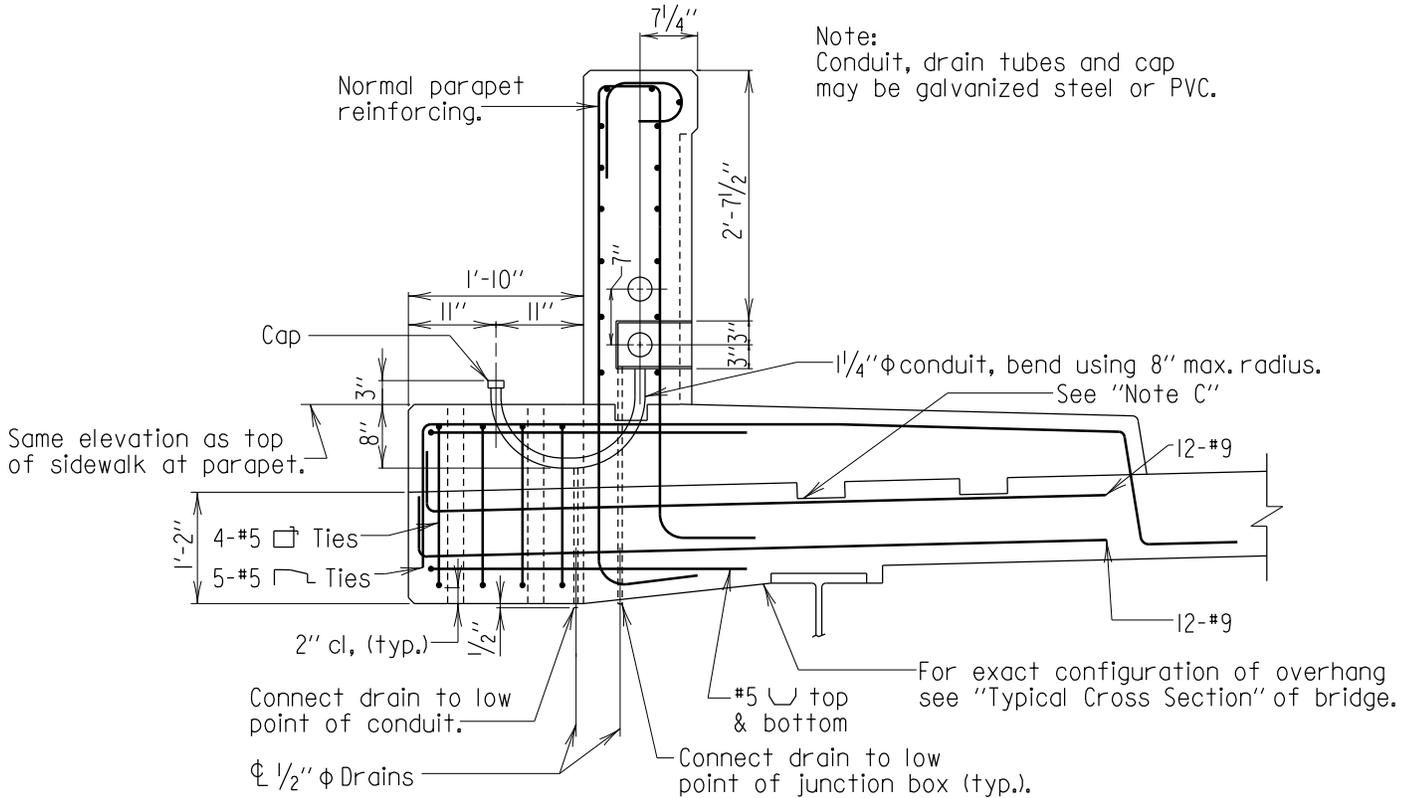
SIDEWALK WITH STRAIGHT BACK

Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH STRAIGHT BACK AND SIDEWALK
DETAIL NO. SUP-SB(SW)-201
SHEET 1 OF 2

SUPER - SUPPORT BRACKET



SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/2"=1'-0"

Note:

All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-101.

Note C:

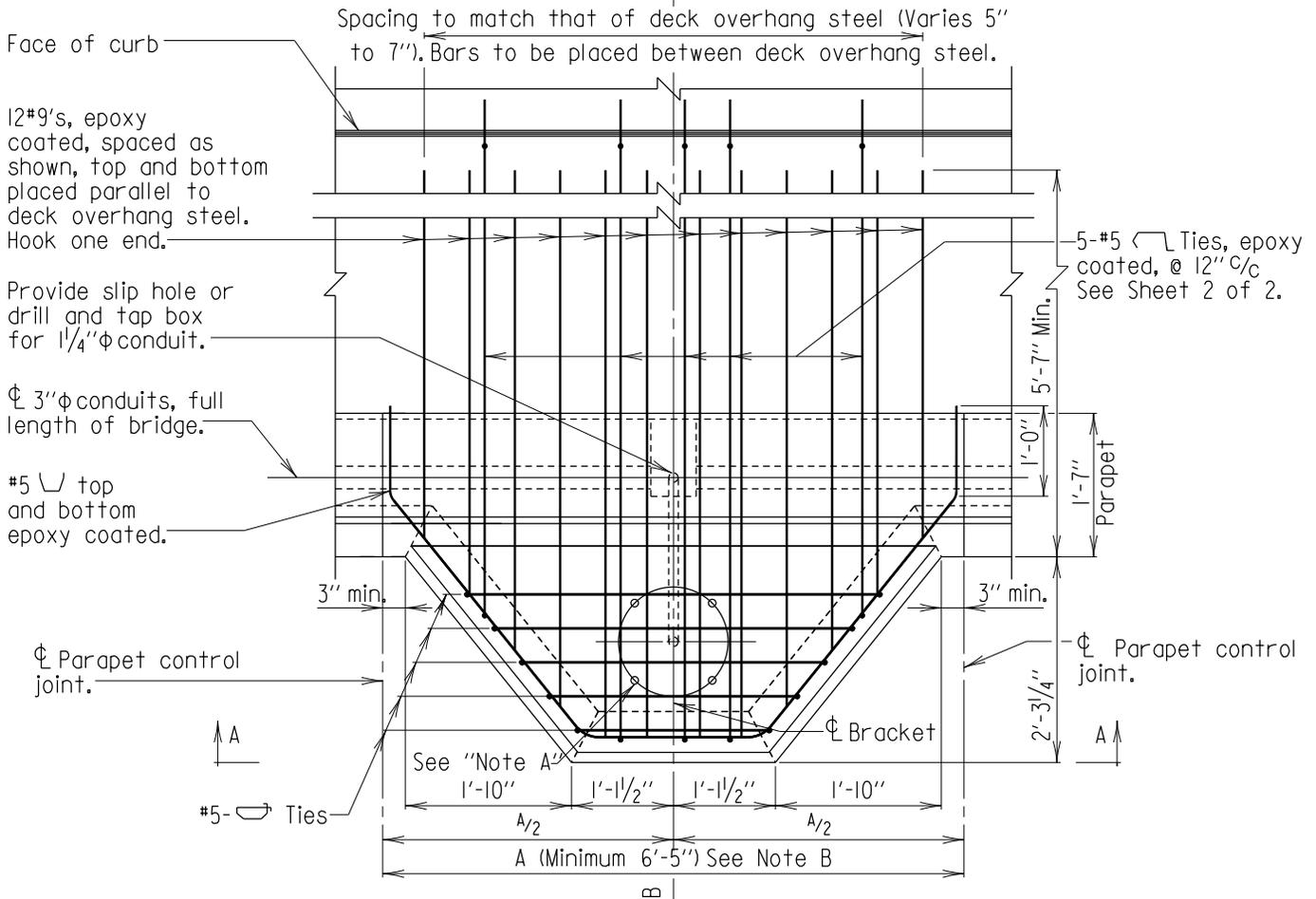
The constr. jt. between the sidewalk and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

SIDEWALK WITH STRAIGHT BACK

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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH STRAIGHT BACK AND SIDEWALK	
DETAIL NO. SUP-SB(SW)-201	SHEET 2 OF 2

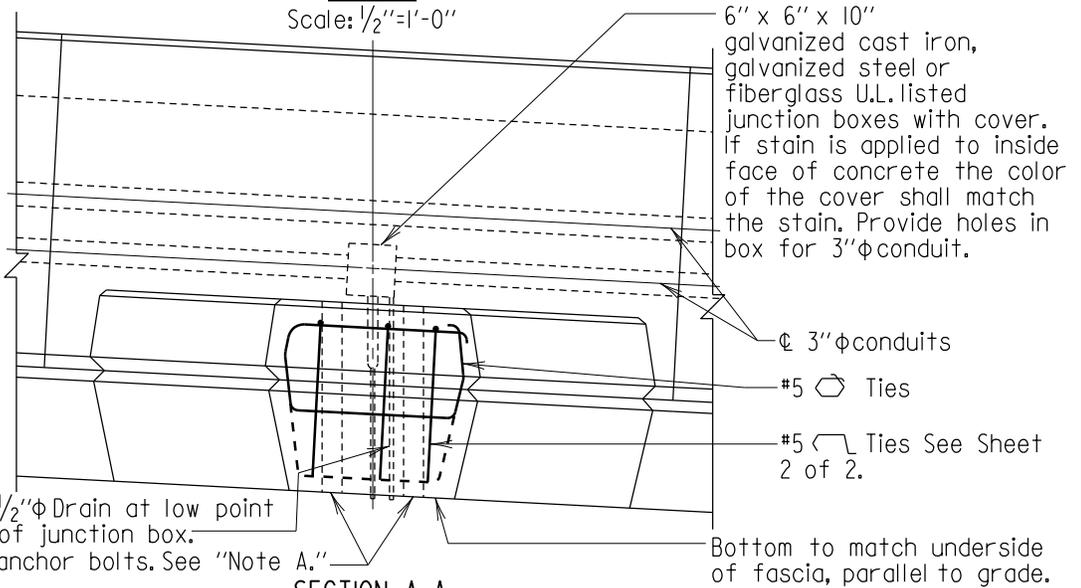
SUPER - SUPPORT BRACKET



PLAN

Scale: 1/2" = 1'-0"

Note B:
 Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
 A= Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).
 If a light post is placed at ϕ of pier, eliminate the control joint at the L of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



SECTION A-A

Scale: 1/2" = 1'-0"

Note:
 Deck overhang reinforcing steel not shown.

For Section "B-B" see Sheet 2 of 2.

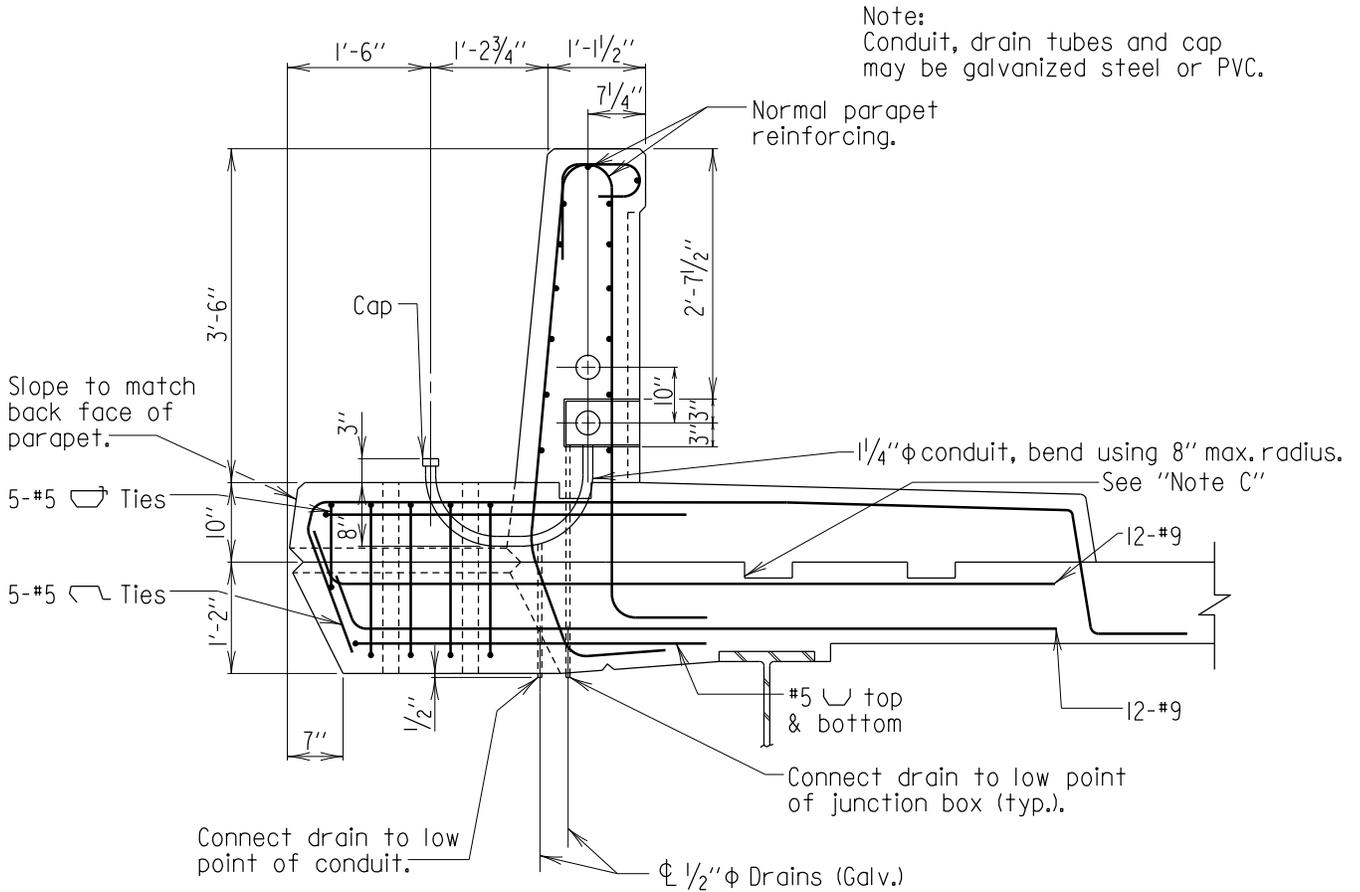
SIDEWALK WITH DIAMOND BACK

Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH DIAMOND BACK AND SIDEWALK
DETAIL NO. SUP-SB(SW)-202
SHEET 1 OF 2

SUPER - SUPPORT BRACKET



SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/2" = 1'-0"

Note:

All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-102.

Note C:

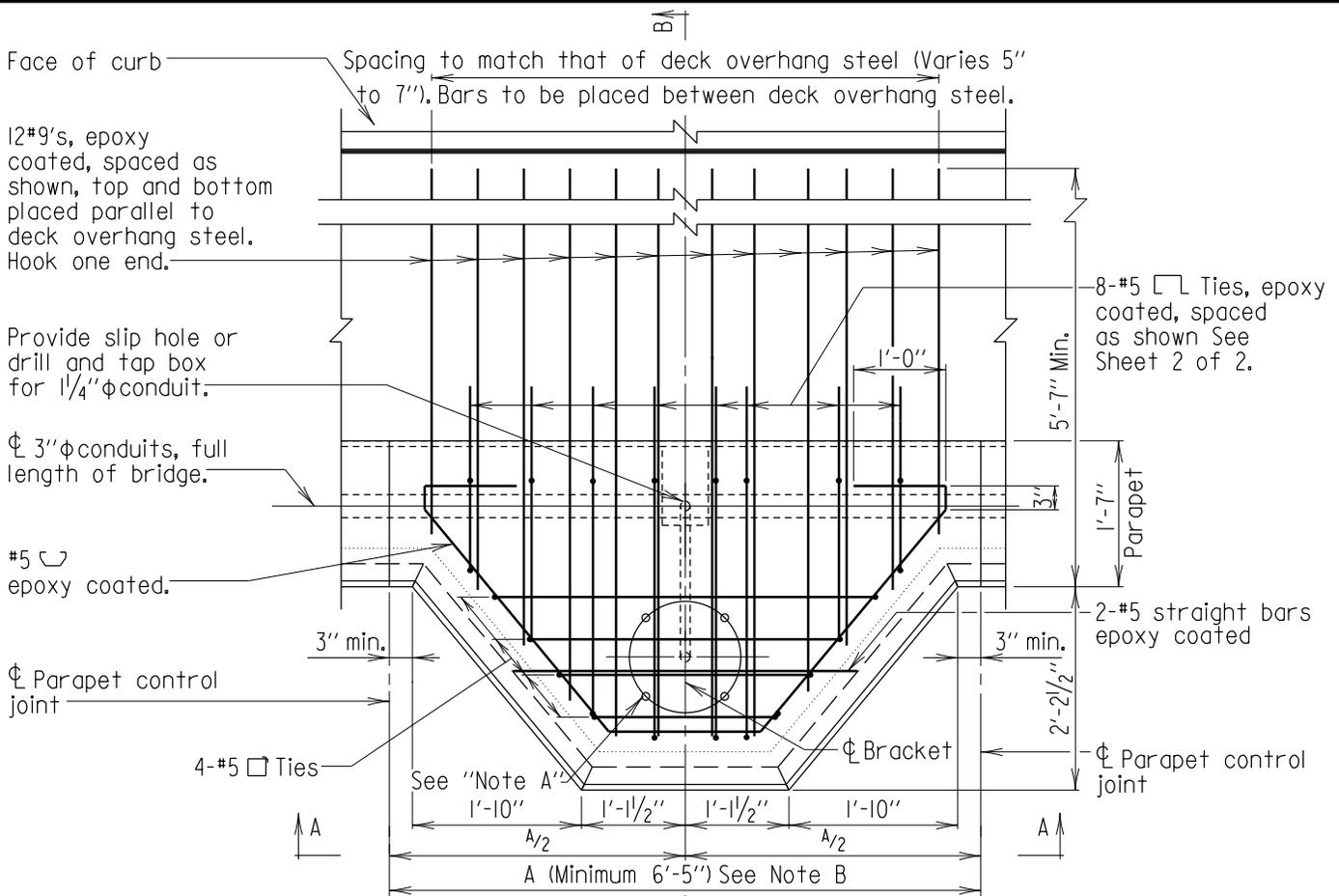
The constr. jt. between the sidewalk and the deck slab may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

SIDEWALK WITH DIAMOND BACK

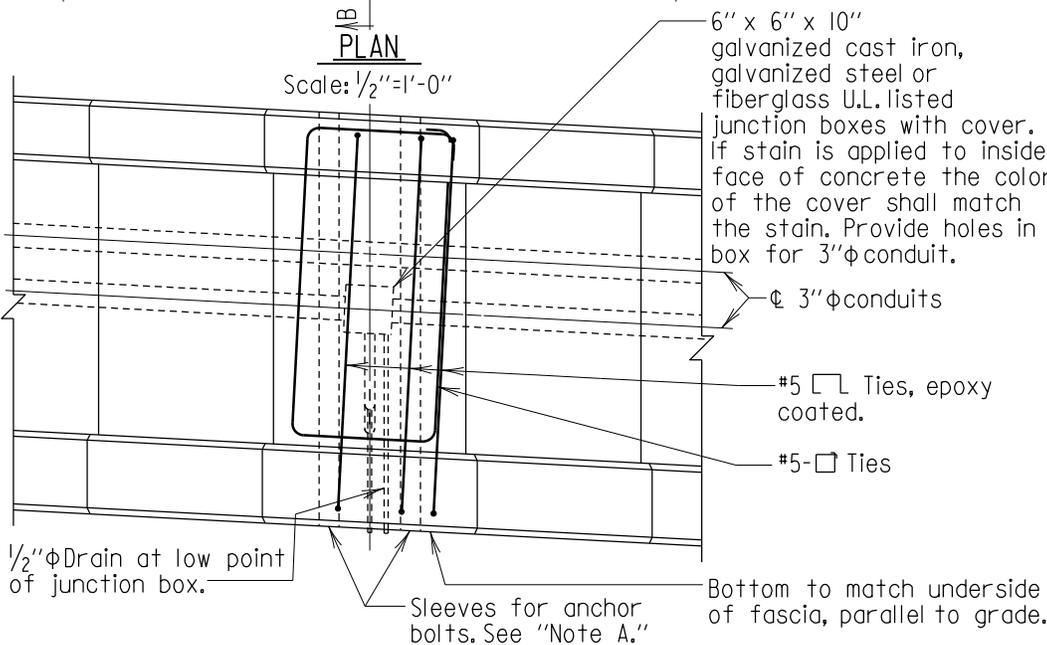
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<i>Ben C. [Signature]</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 08/23/2019
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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
SUPPORT BRACKET FOR MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH DIAMOND BACK AND SIDEWALK	
DETAIL NO. SUP-SB(SW)-202	SHEET 2 OF 2

SUPER - SUPPORT BRACKET



Note B:
 Station for light post support bracket shown on Plans is only approximate. ϕ Bracket to be located midway between parapet control joints.
 A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
 If a light post is placed at ϕ of pier, eliminate the control joint at the ϕ of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.



SECTION A-A
 Scale: 1/2" = 1'-0"

For Section "B-B" see Sheet 2 of 2.

Note:
 Deck overhang reinforcing steel not shown.

RECESSED BACK WITH SIDEWALK

Note A:
 The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

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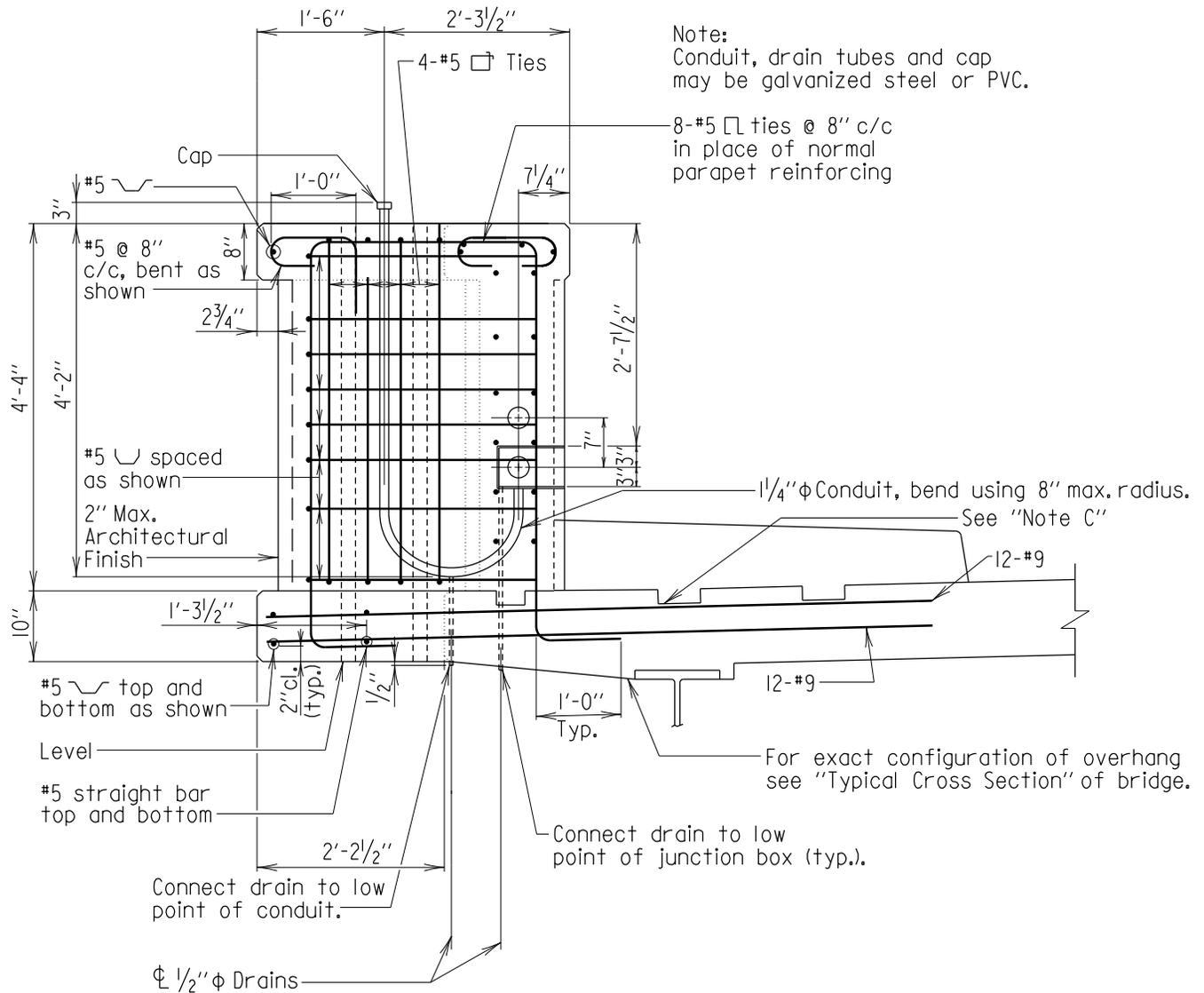
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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH ARCHITECTURAL FINISH AND SIDEWALK

DETAIL NO. SUP-SB(SW)-203

SHEET 1 OF 2

SUPER - SUPPORT BRACKET



Note:
Conduit, drain tubes and cap
may be galvanized steel or PVC.

8-#5 \square ties @ 8" c/c
in place of normal
parapet reinforcing

1/4" ϕ Conduit, bend using 8" max. radius.
See "Note C"

For exact configuration of overhang
see "Typical Cross Section" of bridge.

Connect drain to low
point of junction box (typ.).

Connect drain to low
point of conduit.

SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/2"=1'-0"

Note:
All longitudinal bars are #5's and shall
be placed continuously in the sidewalk
from expansion opening to expansion
opening in a simple span bridge and
expansion opening to centerline of
pier in a multispan bridge. Refer to
SUP-TB(SW)-103.

Note C:
The constr. jt. between the sidewalk and
the deck may vary slightly from
the joint indicated.
For exact details and location of the
joint see "Superstructure" Sheet.

RECESSED BACK WITH SIDEWALK

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DATE: 08/23/2019
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STATE OF MARYLAND
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STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

**SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST
WITH DUAL CONDUITS AND PARAPET WITH
ARCHITECTURAL FINISH AND SIDEWALK**

DETAIL NO. SUP-SB(SW)-203

SHEET 2 OF 2

SUPER - SUPPORT BRACKET