



CMC PRECAST

South Carolina Drainage Inlets

Core Product Line

CORE PRODUCTS DIVISION



OVERVIEW

Precast Drainage Inlets are typically used for storm drain systems in lieu of built in place inlets.

SIZES

Precast drainage inlets are available in many sizes from small area drains to large inlets or combination inlet / junction boxes, both in rectangular designs as well as circular structures with diameters of 48 inch through 144 inch.

APPLICATION

Precast drainage inlets may be used for the following:

- Yard Inlets
- Curb Inlets
- Catch Basins
- Traffic Areas
- Parking Lots
- Median Inlets

JOINTS

The following joints may be available for precast drainage inlets:

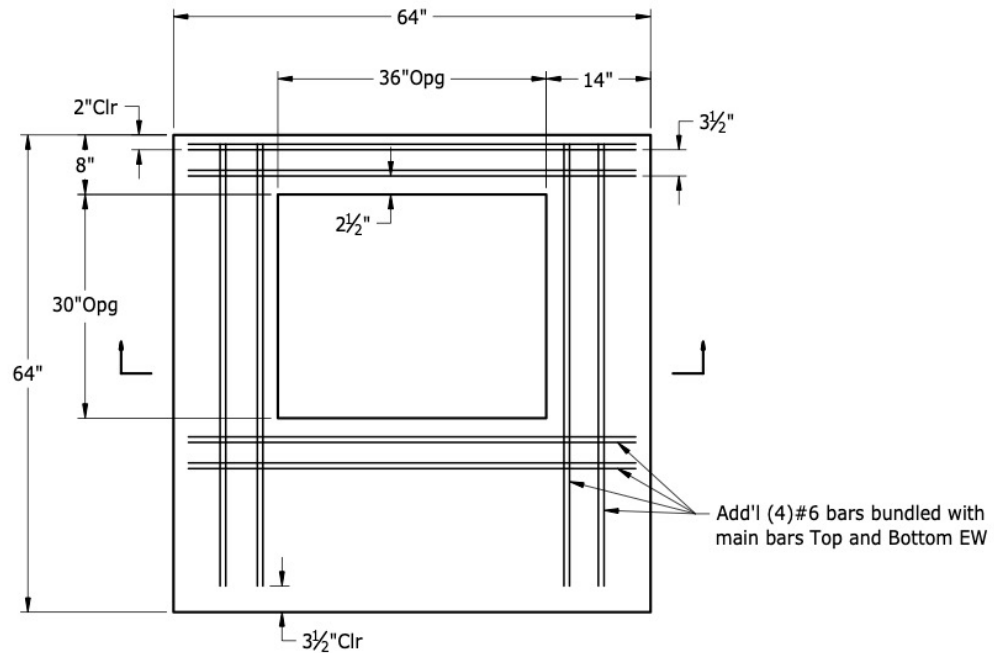
- Pre-formed mastic or butyl gasket
- Mortar joints

APPLICABLE SPECIFICATIONS

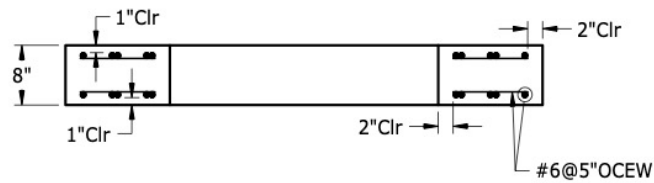
- **ASTM C478/AASHTO M199** - Precast Reinforced Concrete Manhole Sections
- **ASTM C913** - Precast Concrete Water and Wastewater Structures
- **ASTM C990** - Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
- **South Carolina Department of Transportation standards and specifications**



**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 1 INLET ADAPTER FOR 4' X 4' BOX (64" X 64" X 8")(SC 719-001-00)**



Plan View

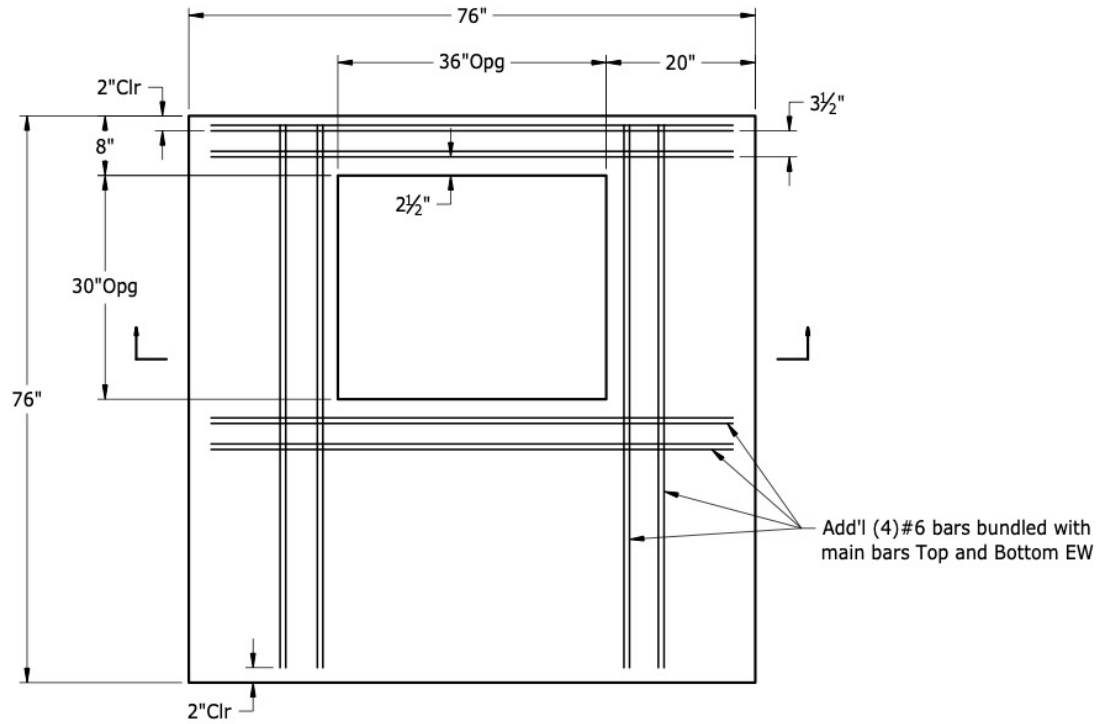


Section View

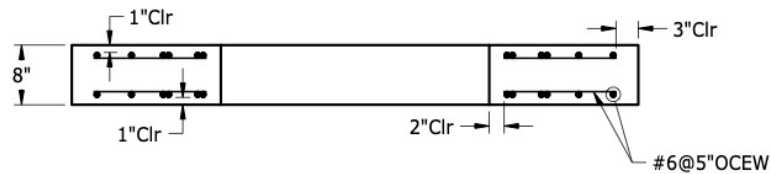
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 1 INLET ADAPTER FOR 5' X 5' BOX (76" X 76" X 8")(SC 719-001-00)**



Plan View

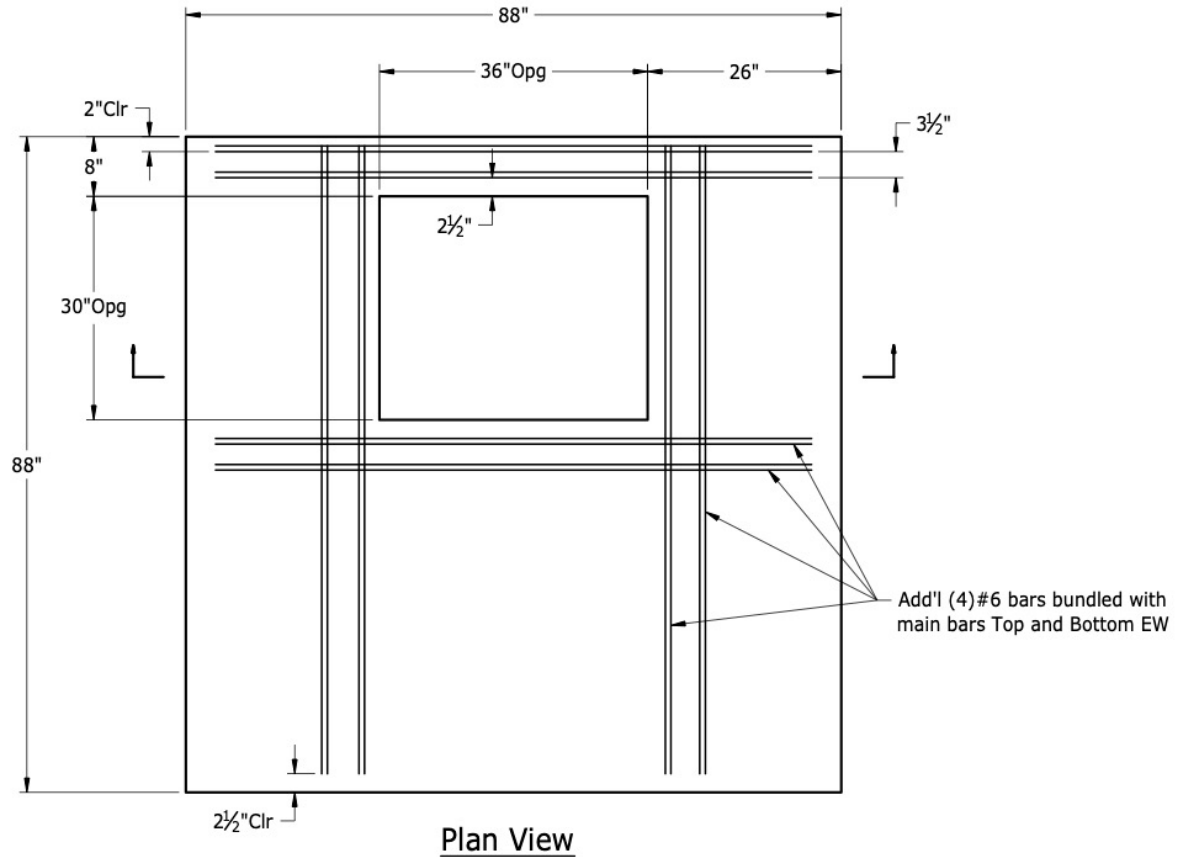


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

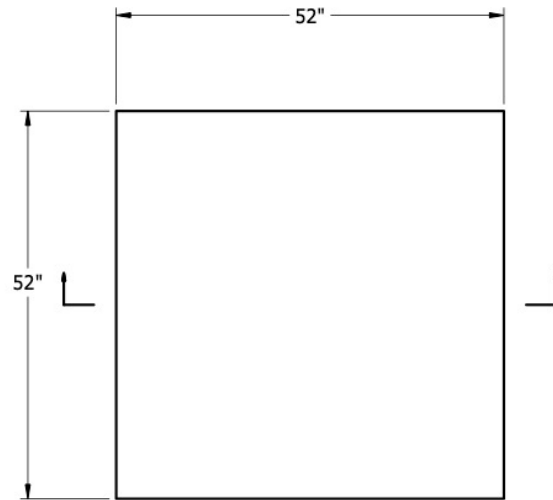
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 1 INLET ADAPTER FOR 6' X 6' BOX (88" X 88" X 8")(SC 719-001-00)**



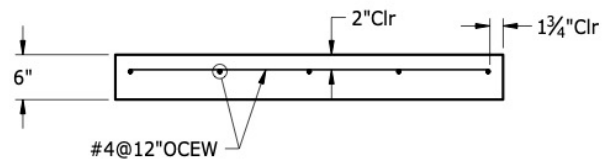
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 9 BOTTOM SLAB (52" X 52" X 6")(SC 719-009-00)**



Plan View

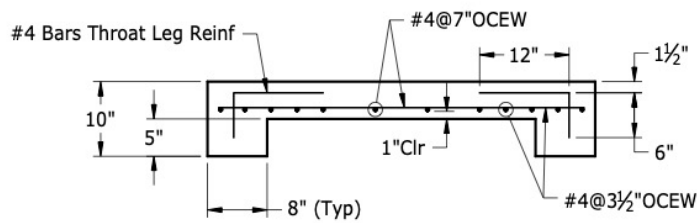
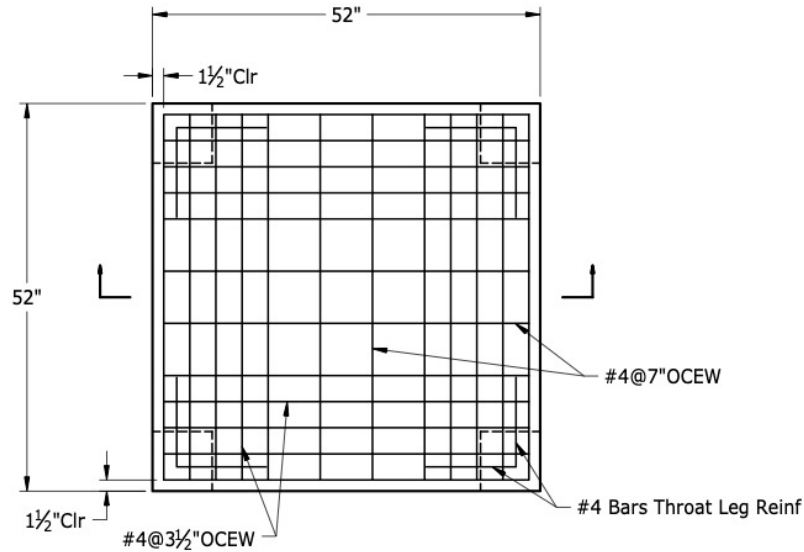


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

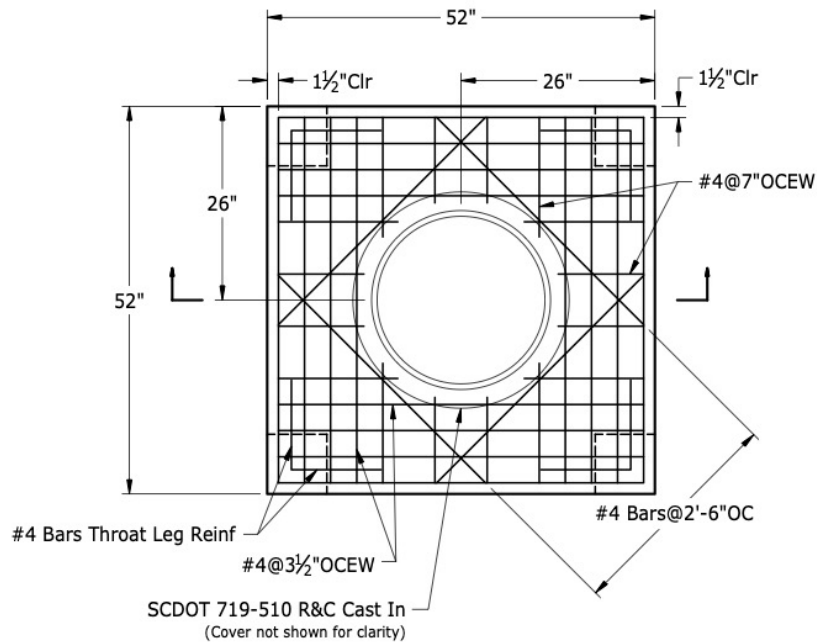
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 9 TOP SLAB WITH THROAT LEGS (52" X 52" X 10")(SC 719-009-00)**



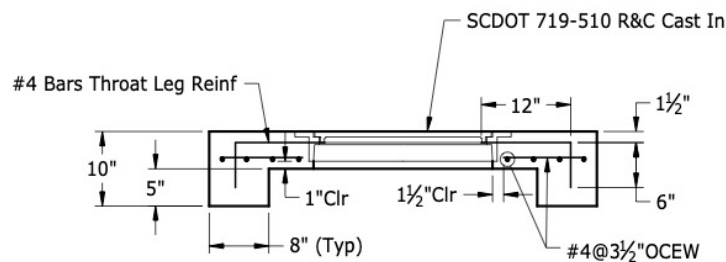
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 9 TOP SLAB (MH) WITH THROAT LEGS (52" X 52" X 10")(SC 719-009-00)



Plan View

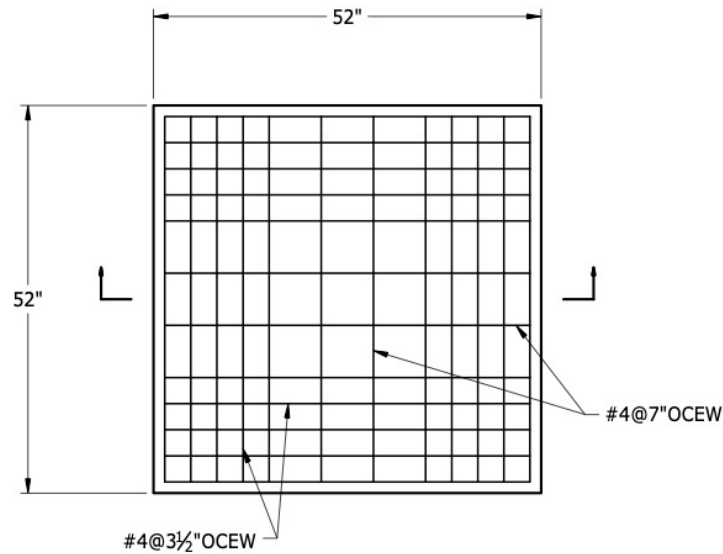


Section View

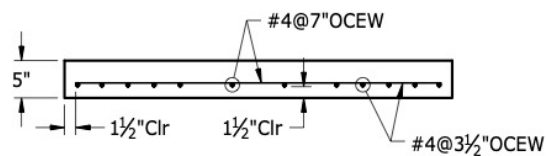
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST ALTERNATE CATCH BASIN TYPE 9 TOP SLAB WITHOUT THROAT LEGS (52" X 52" X 5")(SC 719-009-00)



Plan View

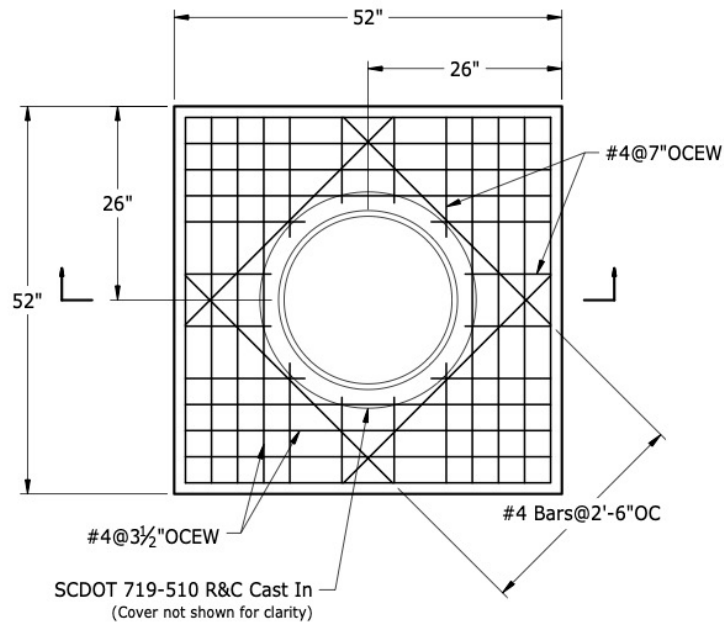


Section View

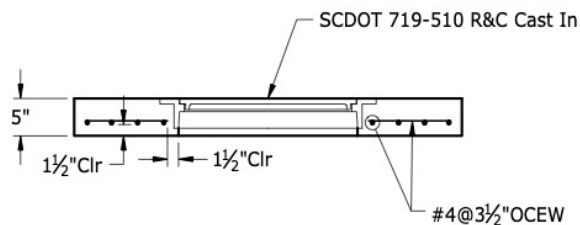
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Allowed only on Brick Boxes.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 9 TOP SLAB (MH) WITHOUT THROAT LEGS (52" X 52" X 5")(SC 719-009-00)



Plan View

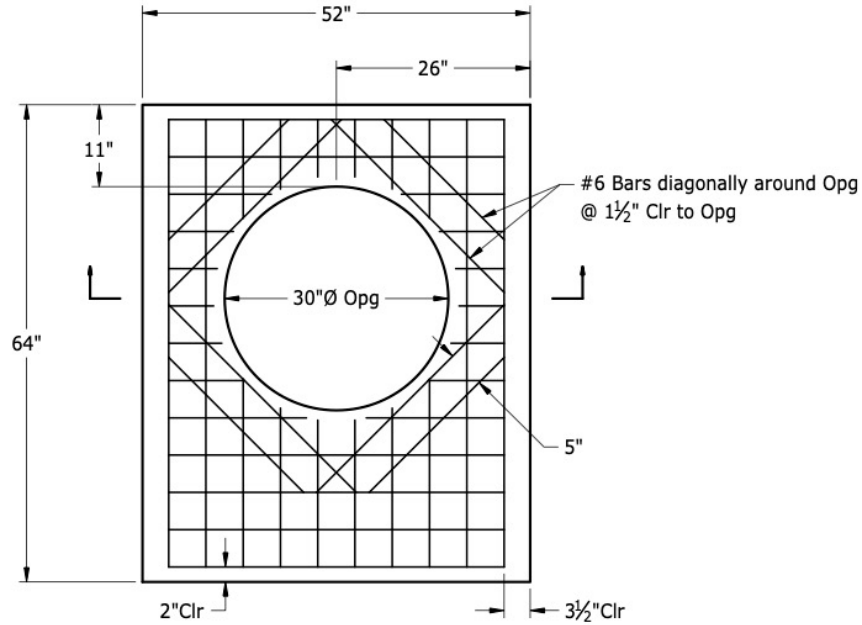


Section View

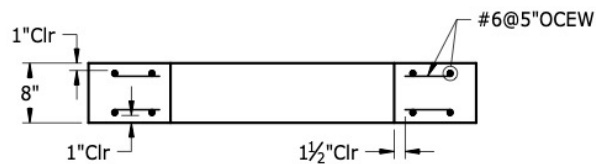
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Allowed only on Brick Boxes.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 9 INLET ADAPTER FOR 3' X 4' BOX (52" X 64" X 8")(SC 719-009-00)**



Plan View

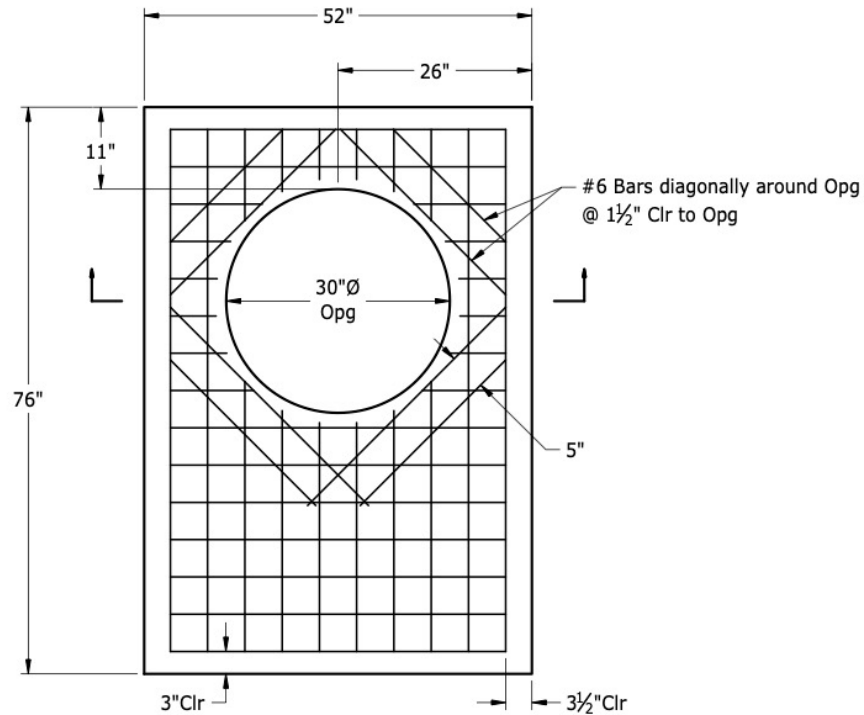


Section View

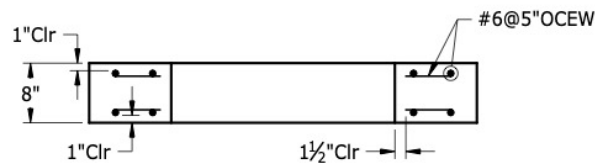
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 9 INLET ADAPTER FOR 3' X 5' (52" X 76" X 8")(SC 719-009-00)



Plan View

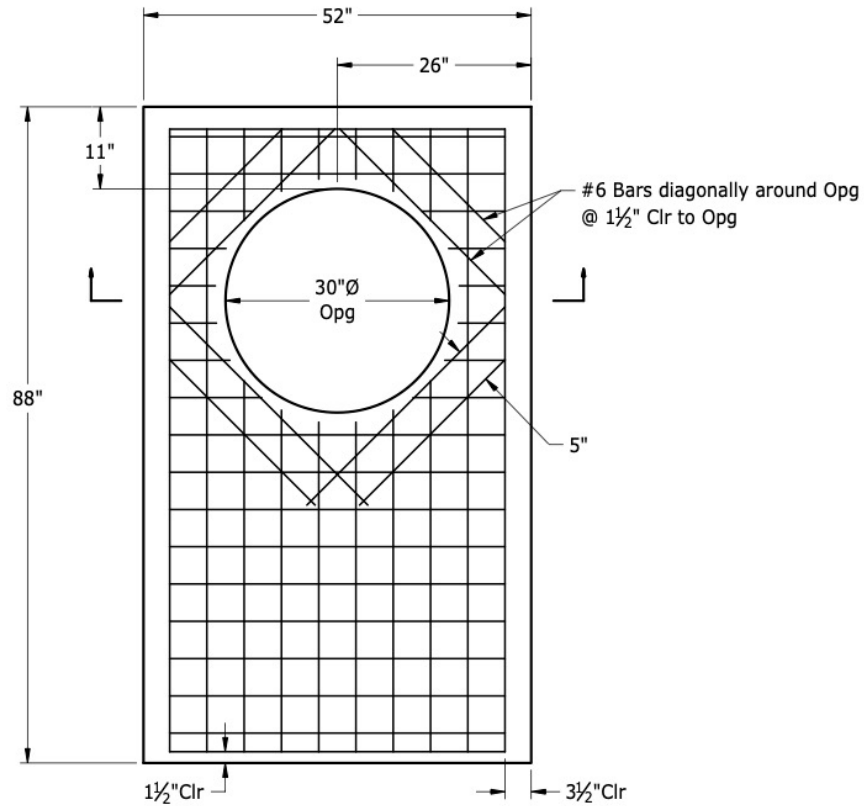


Section View

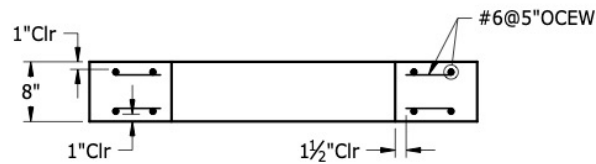
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 9 INLET ADAPTER FOR 3' X 6' BOX (52" X 88" X 8")(SC 719-009-00)**



Plan View

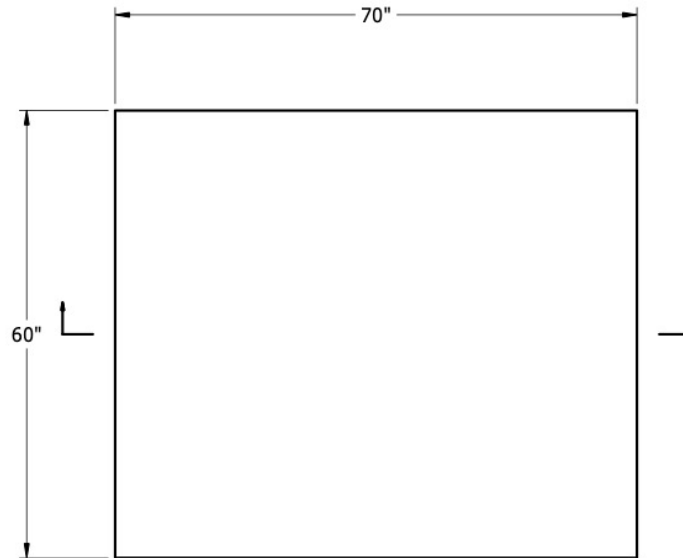


Section View

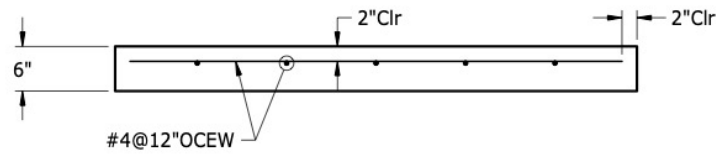
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN
TYPE 15 SINGLE BOTTOM SLAB (70" X 60" X 6")(SC 719-015-00)**



Plan View

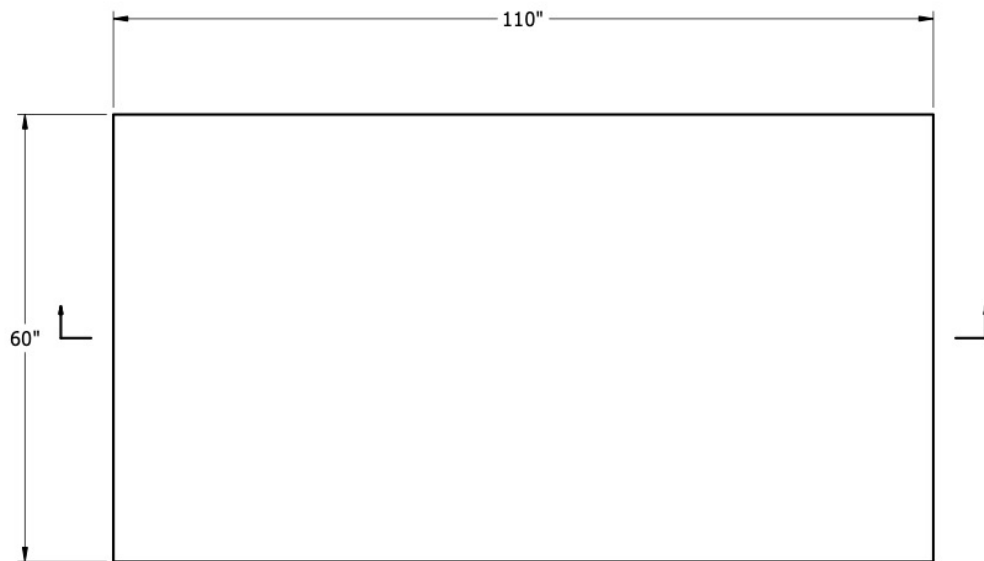


Section View

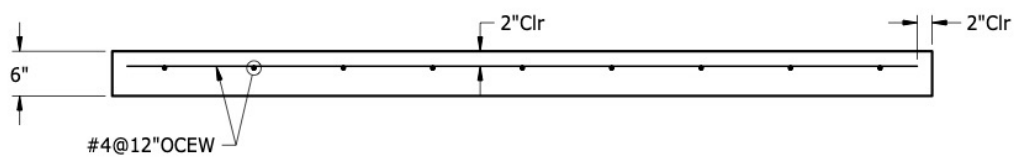
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 15 DOUBLE BOTTOM SLAB (110" X 60" X 6")(SC 719-015-00)**



Plan View

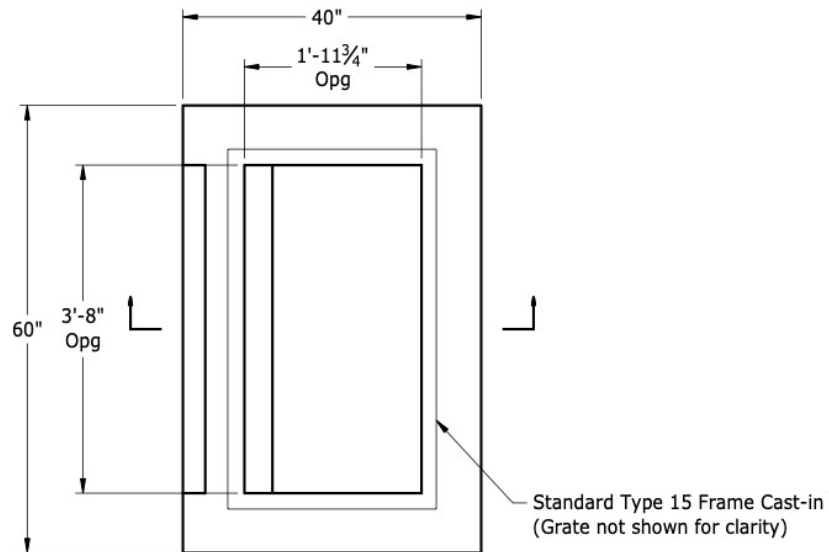


Section View

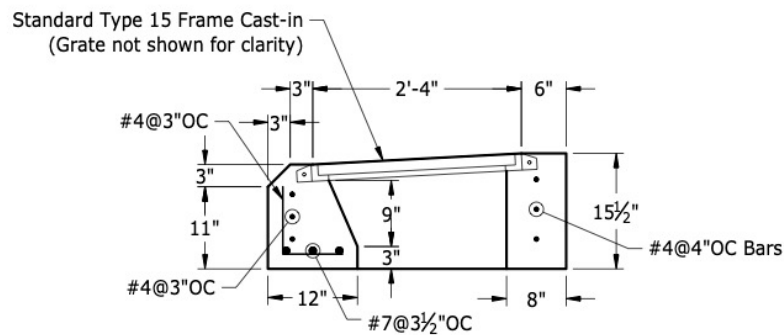
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 15 COLLAR (60" X 40" X 15 1/2")(SC 719-015-00)



Plan View

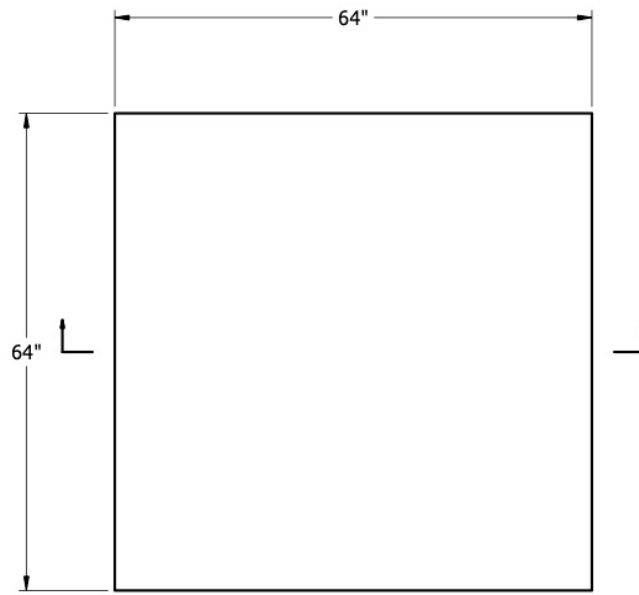


Section View

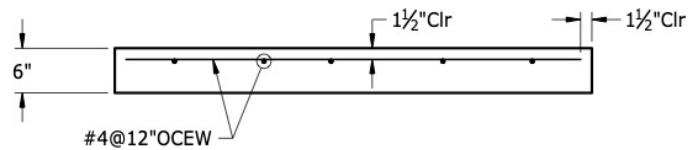
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 16 BOTTOM SLAB (64" X 64" X 6")(SC 719-016-00)**



Plan View

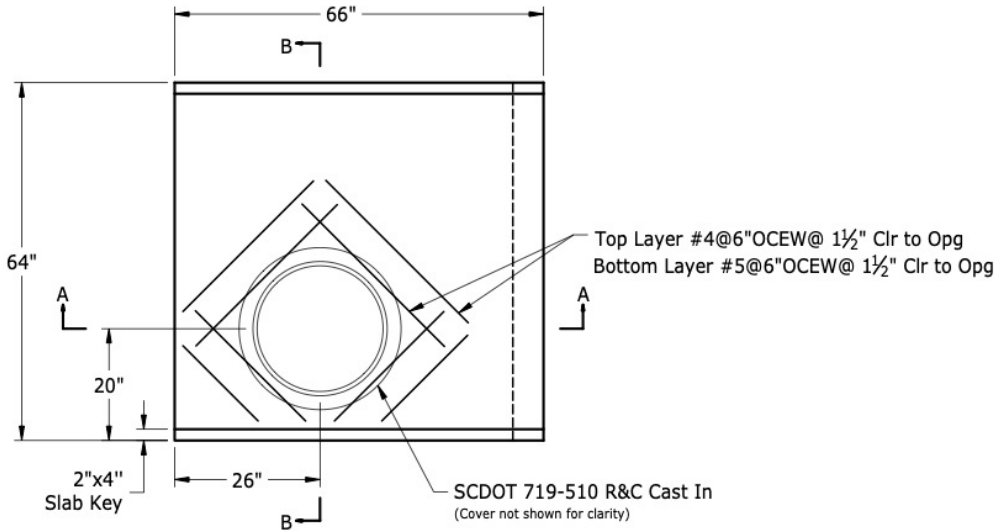


Section View

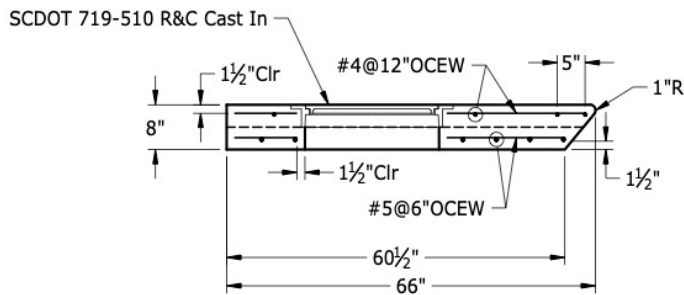
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

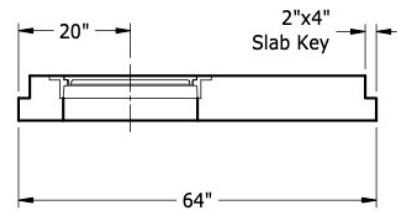
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 16 TOP SLAB (66" X 64" X 8")(SC 719-016-00)



Plan View



Section View A-A

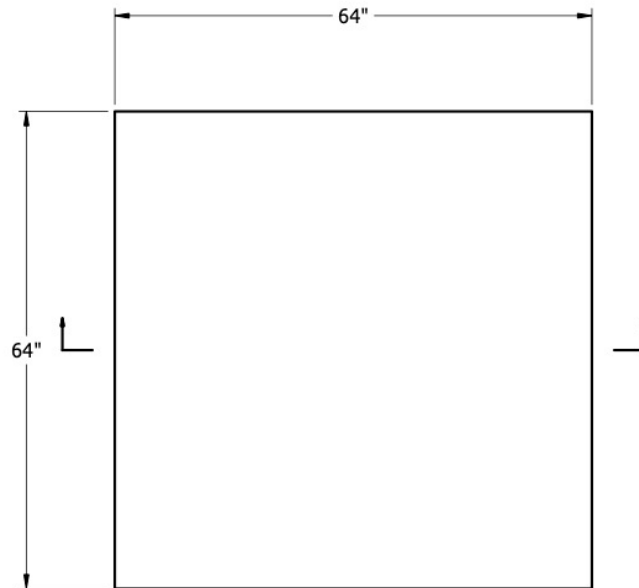


Section View B-B

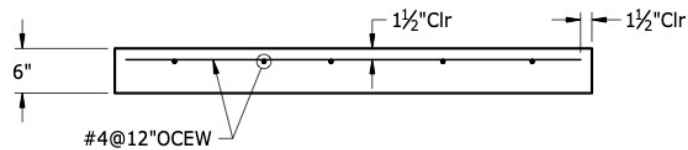
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 17 BOTTOM SLAB (64" X 64" X 6")(SC 719-017-00)**



Plan View

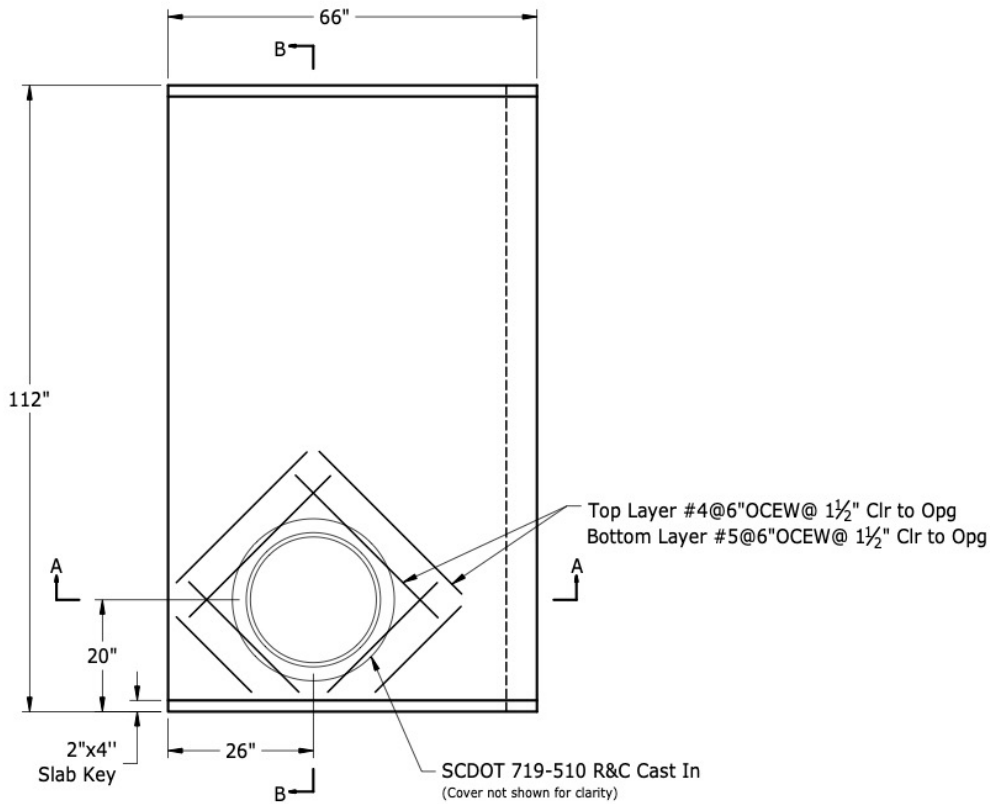


Section View

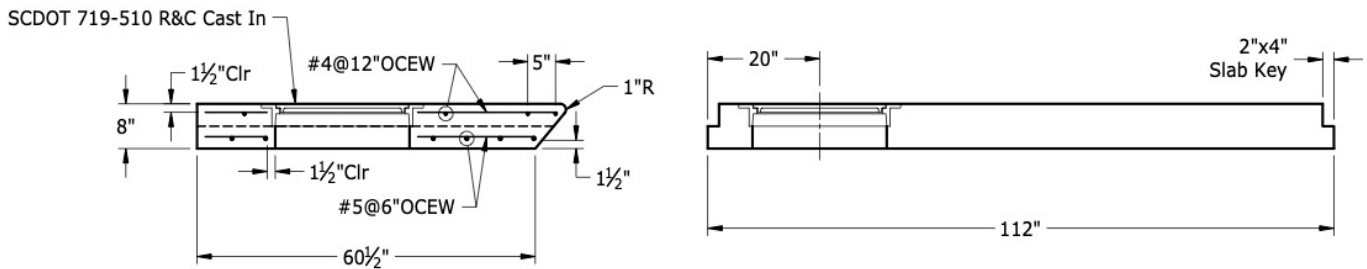
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 17 TOP SLAB (66" X 112" X 8")(SC 719-017-00)



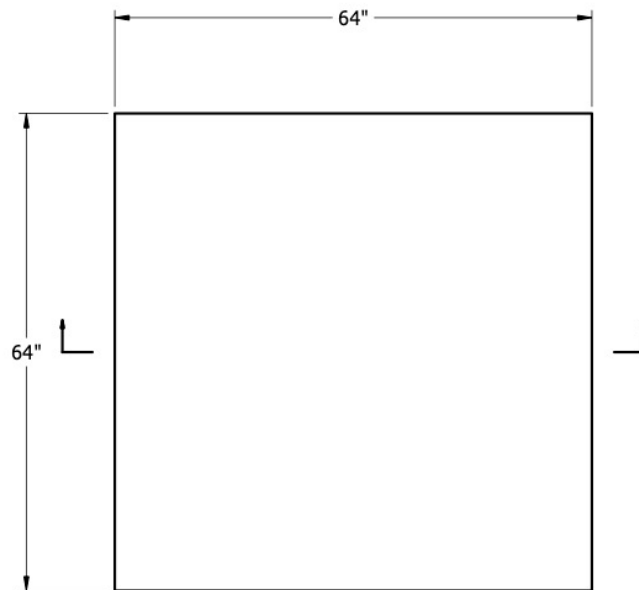
Plan View



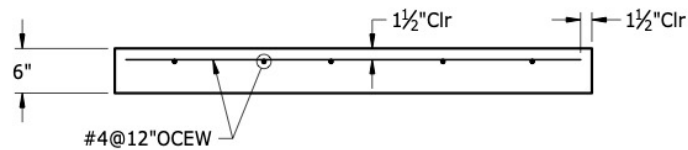
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 18 BOTTOM SLAB (64" X 64" X 6")(SC 719-018-00)**



Plan View

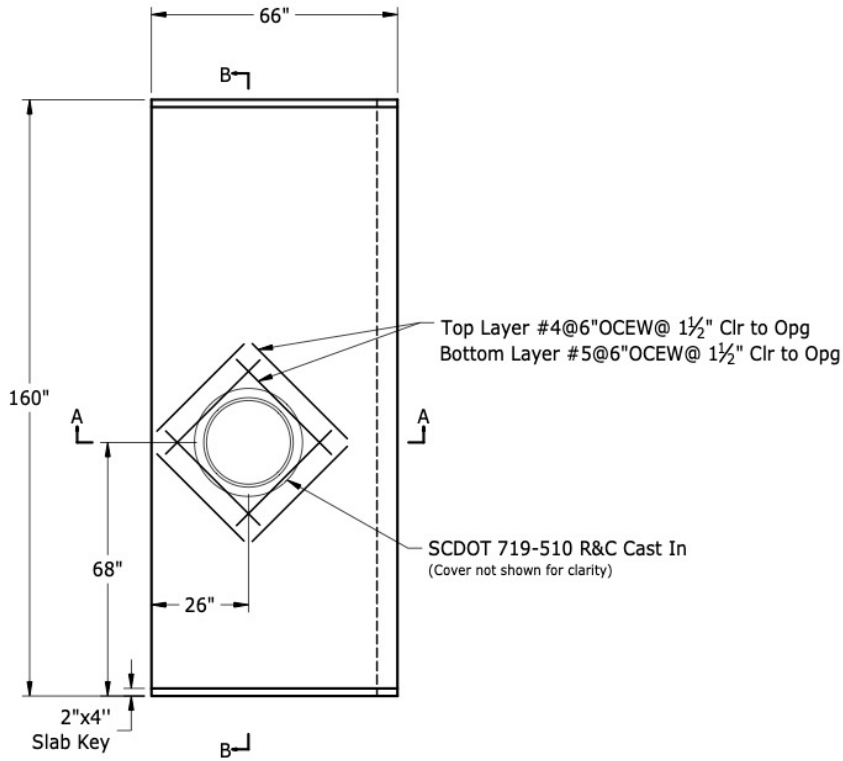


Section View

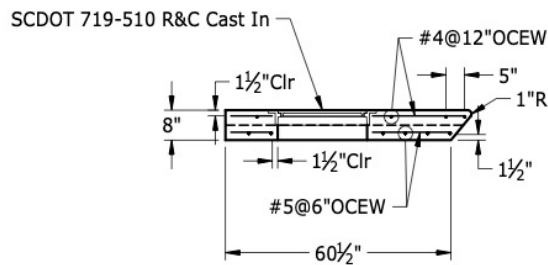
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

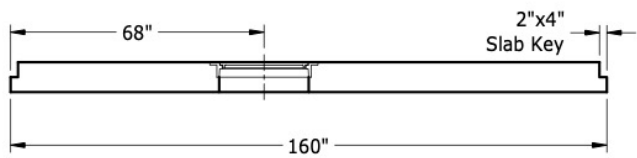
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 18 TOP SLAB (66" X 160" X 8")(SC 719-018-00)



Plan View



Section View A-A

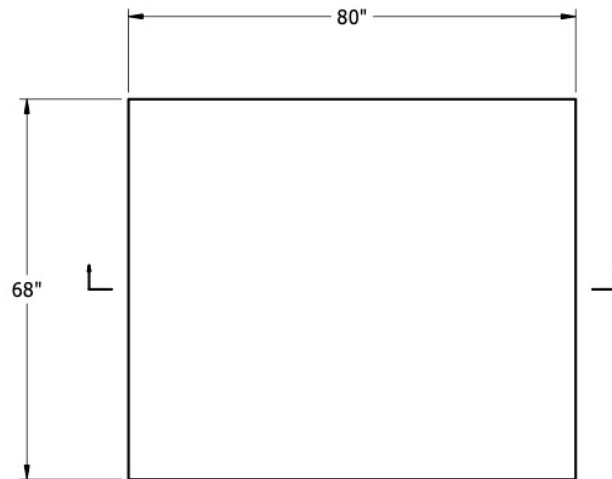


Section View B-B

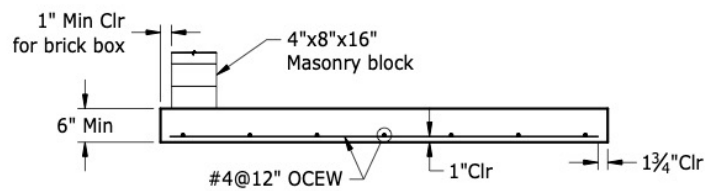
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH
BASIN TYPE 25 BOTTOM SLAB (68" X 80" X 6")(SC 719-025-01)**



Plan View

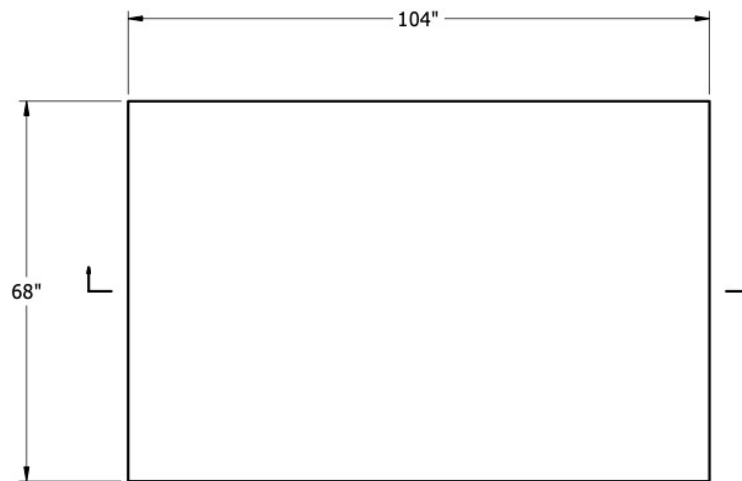


Section View

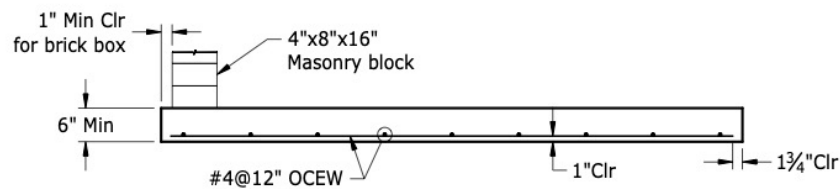
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Stencil "Top" to indicate correct installation of bottom slab.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN
TYPE 25 BOTTOM SLAB (68" X 104" X 6")(SC 719-025-01)**



Plan View

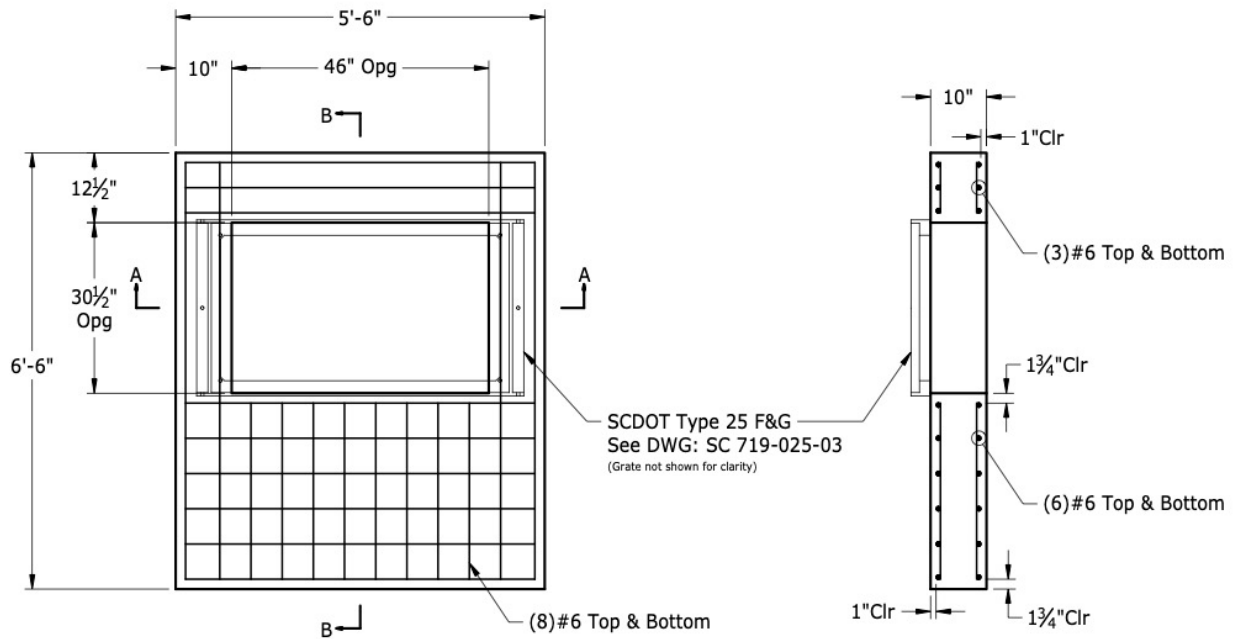


Section View

NOTES

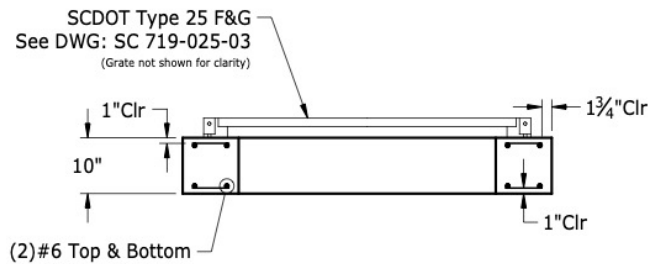
1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Stencil "Top" to indicate correct installation of bottom slab.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 25 INLET ADAPTER SLAB FOR SINGLE 4' X 5' BOX (SC 719-025-05C)



Plan View

Section View B-B

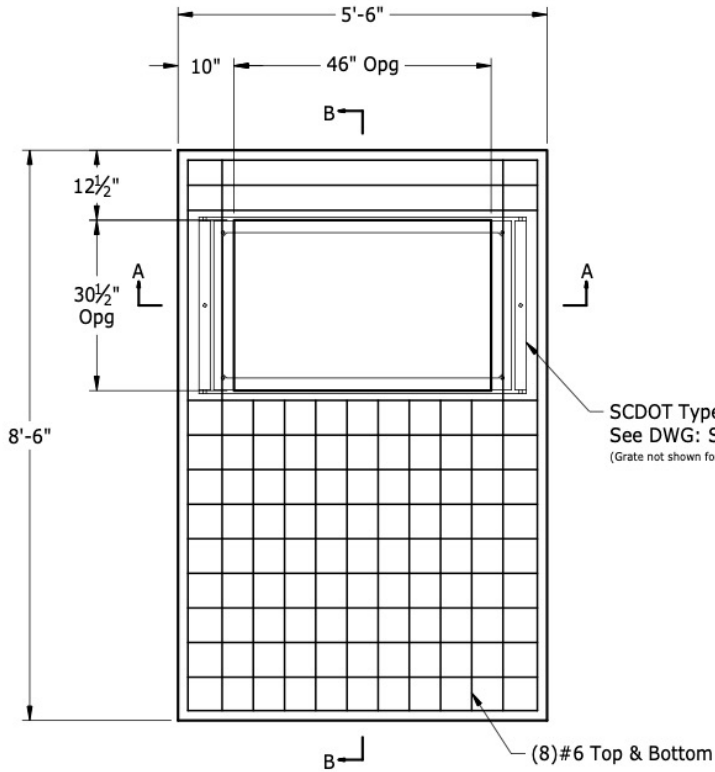


Section View A-A

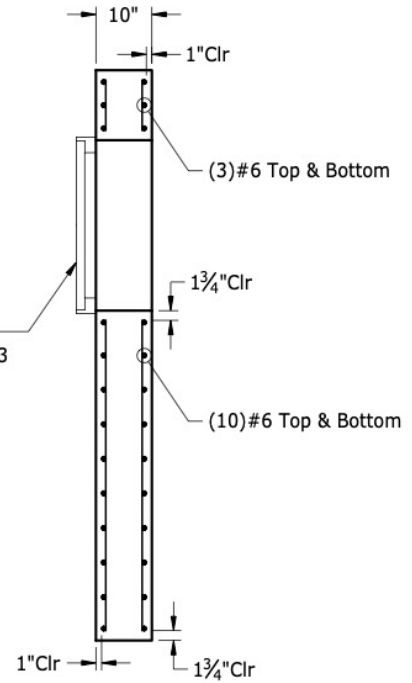
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Inlet adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

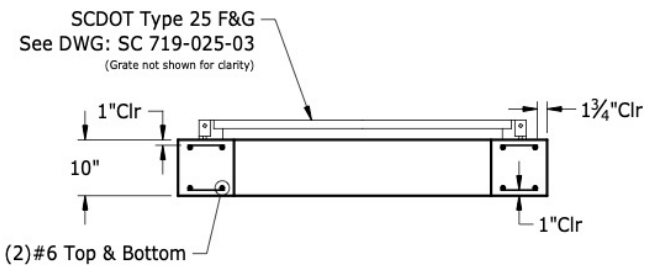
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 25 INLET ADAPTER SLAB FOR SINGLE 4' X 7' BOX (SC 719-025-05B)



Plan View



Section View B-B

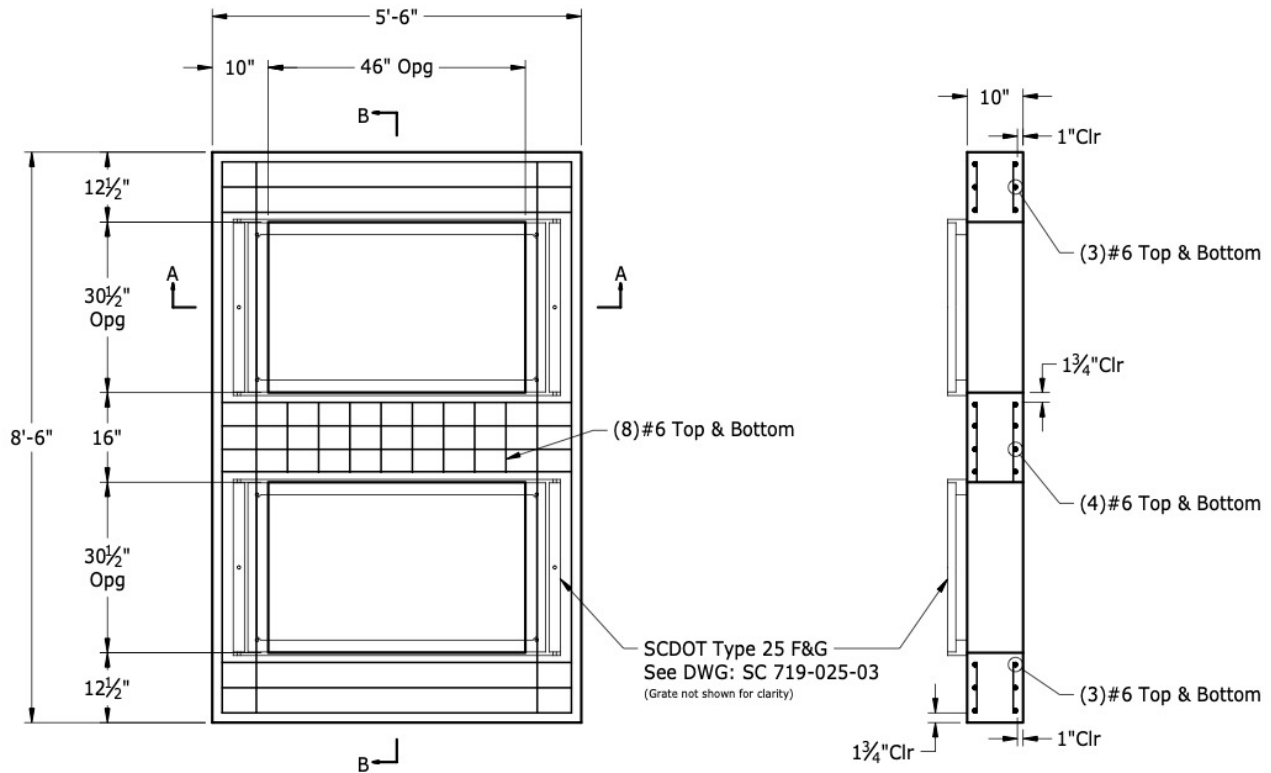


Section View A-A

NOTES

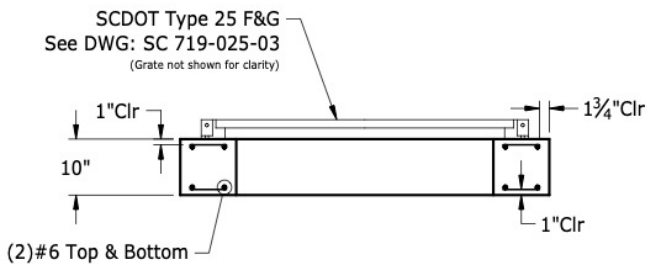
1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Inlet adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST CATCH BASIN TYPE 25 DOUBLE INLET ADAPTER SLAB FOR DOUBLE 4' X 7' BOX (SC 719-025-05A)



Plan View

Section View B-B

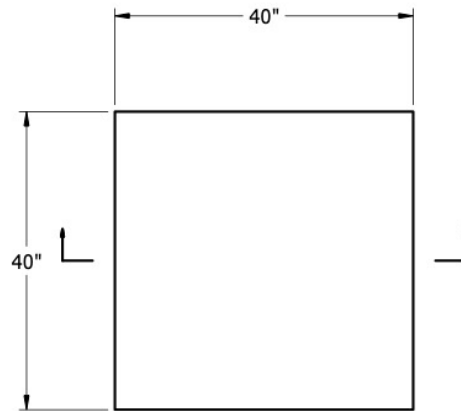


Section View A-A

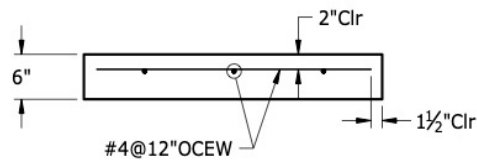
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Inlet adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 24" X
24" BOTTOM SLAB (40" X 40" X 6") (SC 719-105-00)**



Plan View

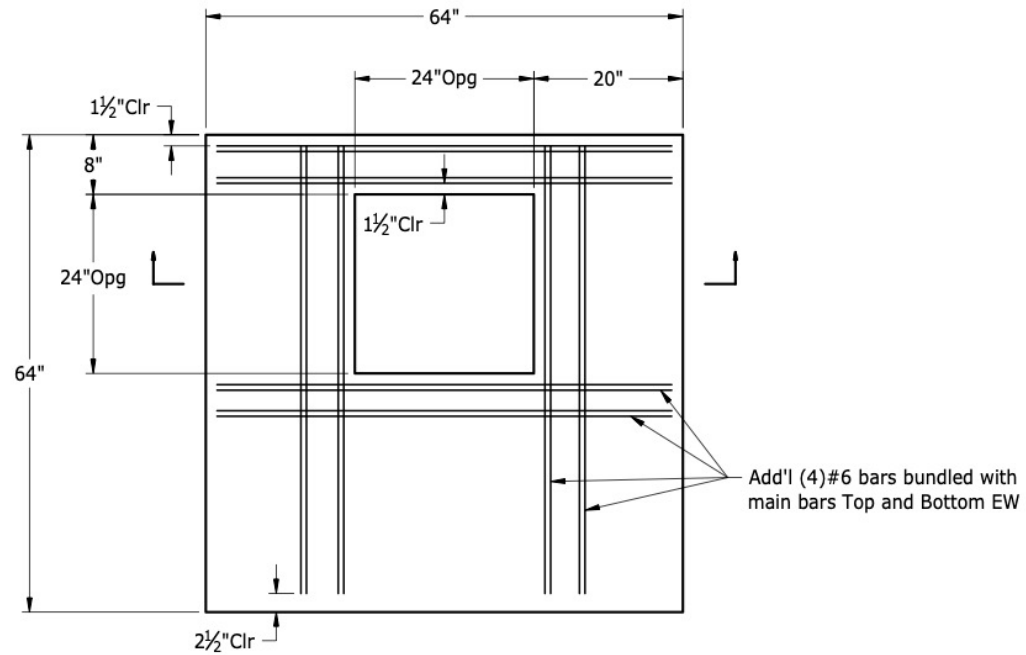


Section View

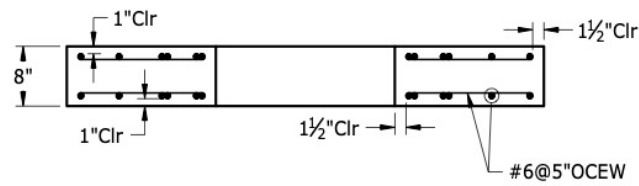
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET
24" X 24" ADAPTER FOR 4' X 4' BOX (64" X 64" X 8") (SC 719-105-00)**



Plan View

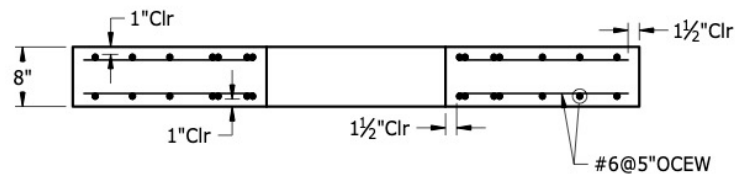
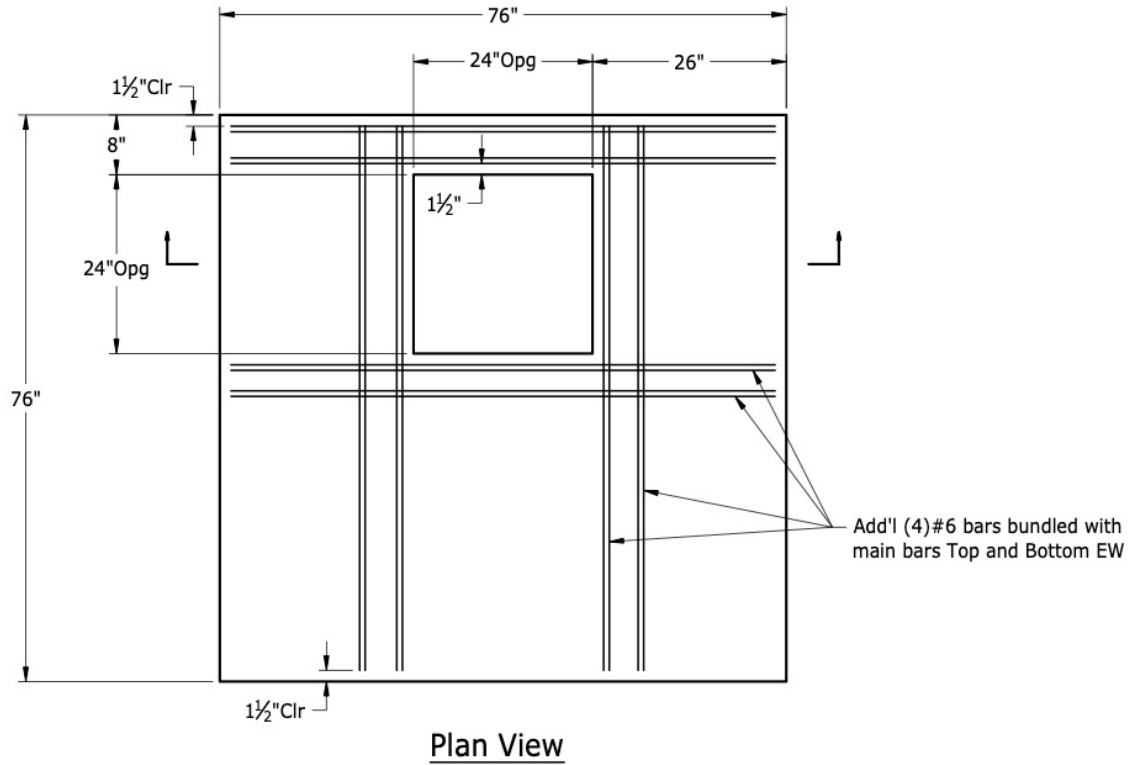


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

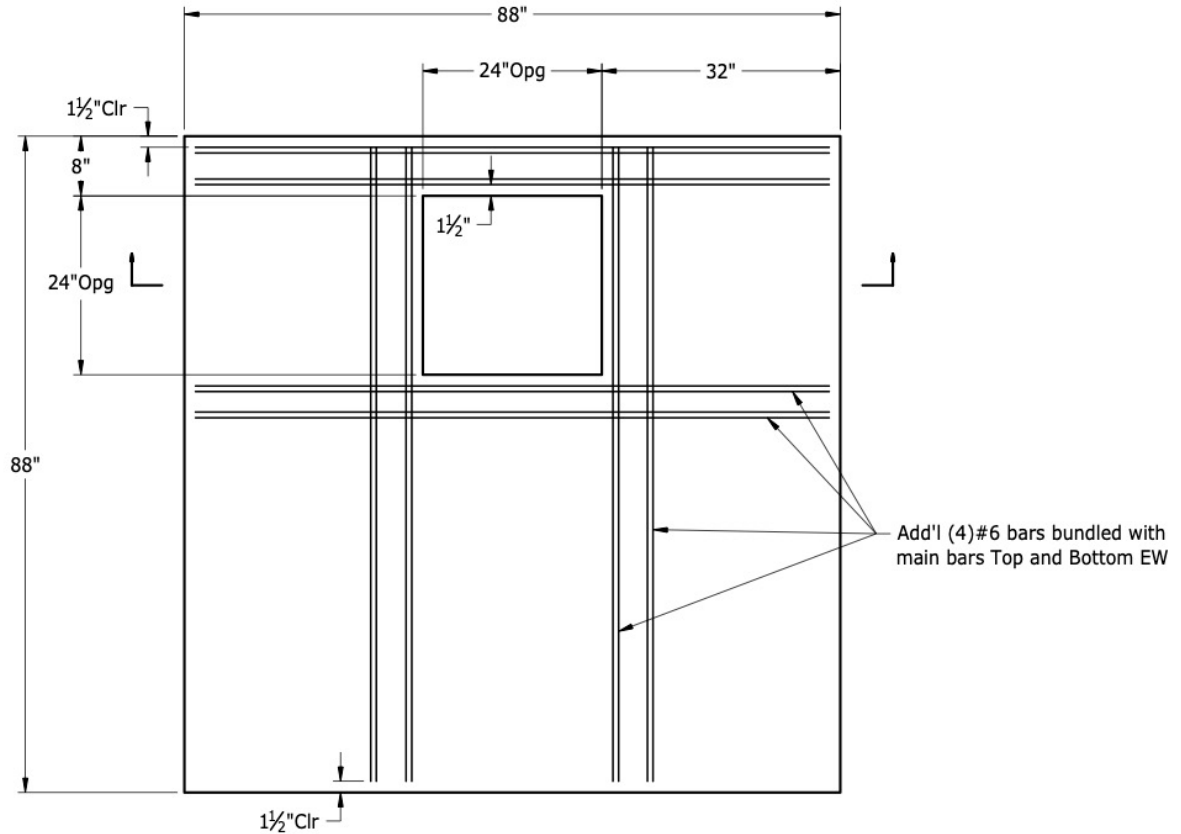
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 24" X 24" ADAPTER 5' X 5' BOX (76" X 76" X 8") (SC 719-105-00)



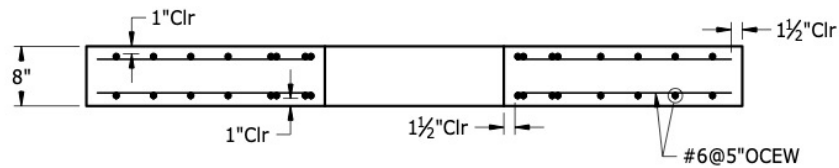
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET
24" X 24" ADAPTER FOR 6' X 6' BOX (88" X 88" X 8") (SC 719-105-00)**



Plan View

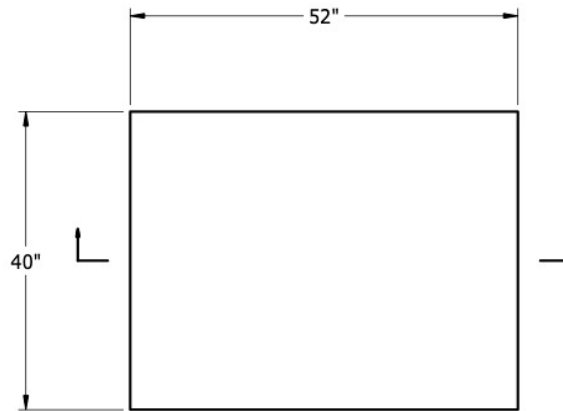


Section View

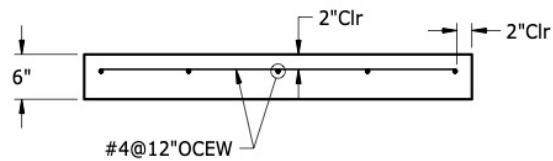
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 24" X
36" BOTTOM SLAB (40" X 52" X 6") (SC 719-110-00)**



Plan View

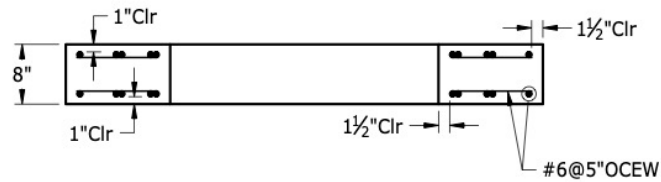
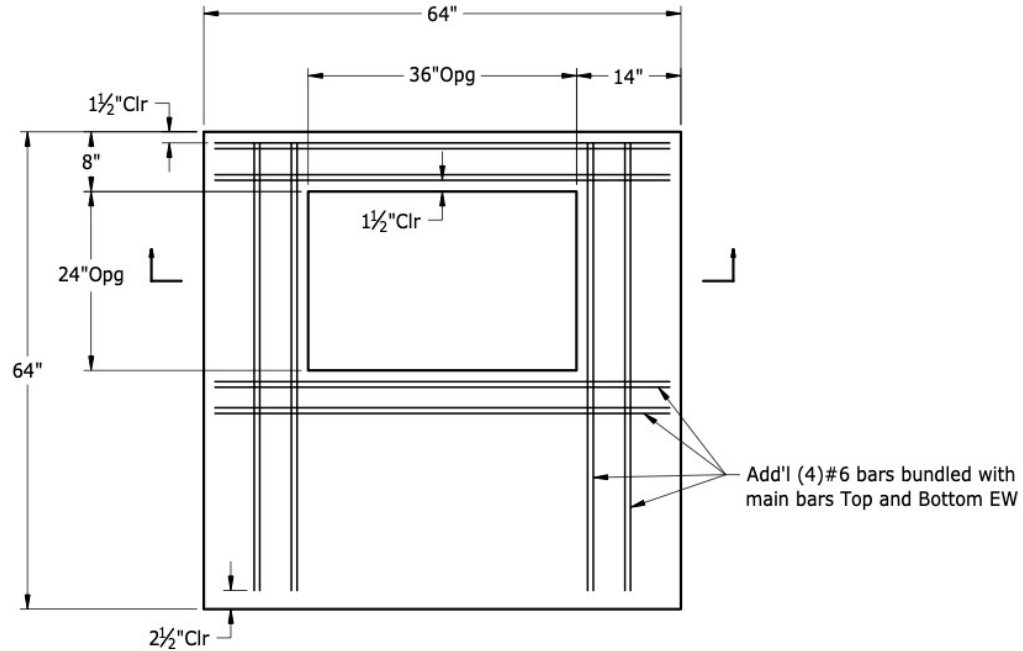


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

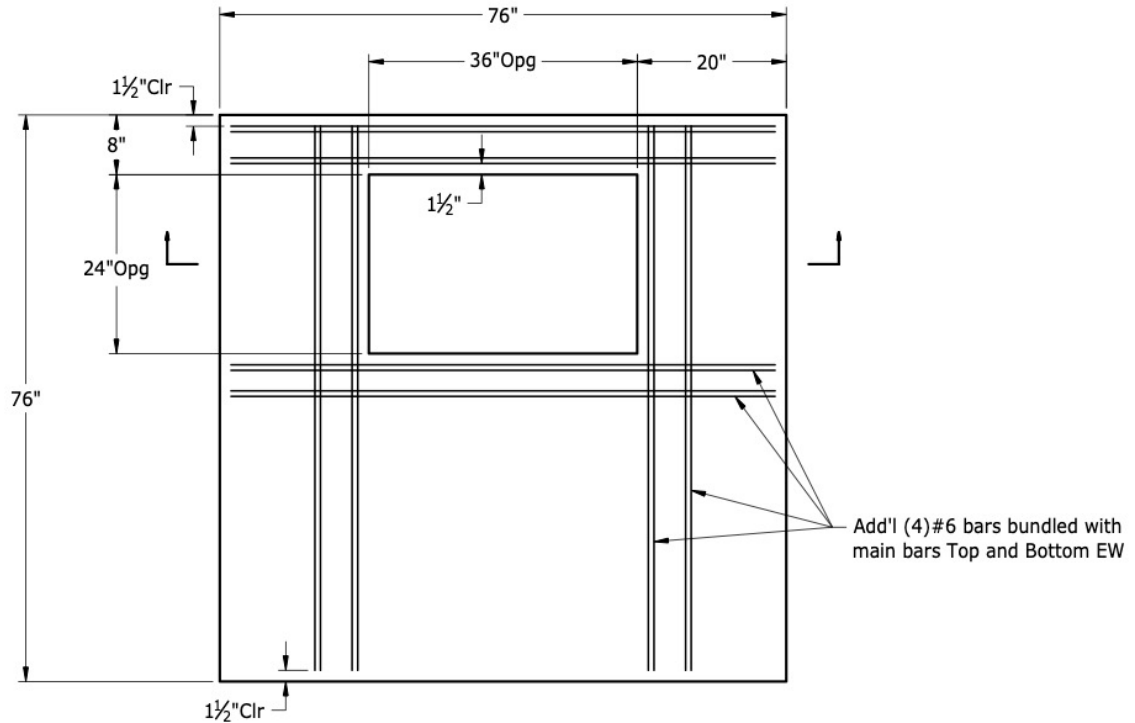
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET
24" X 36" ADAPTER FOR 4' X 4' BOX (64" X 64" X 8") (SC 719-110-00)**



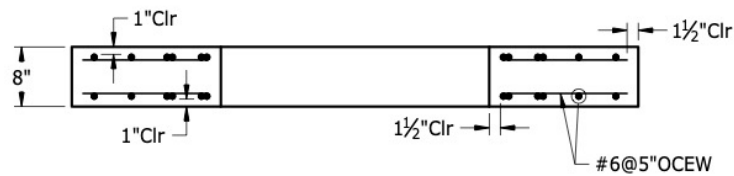
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 24" X 36" ADAPTER FOR 5' X 5' BOX (76" X 76" X 8") (SC 719-110-00)



Plan View

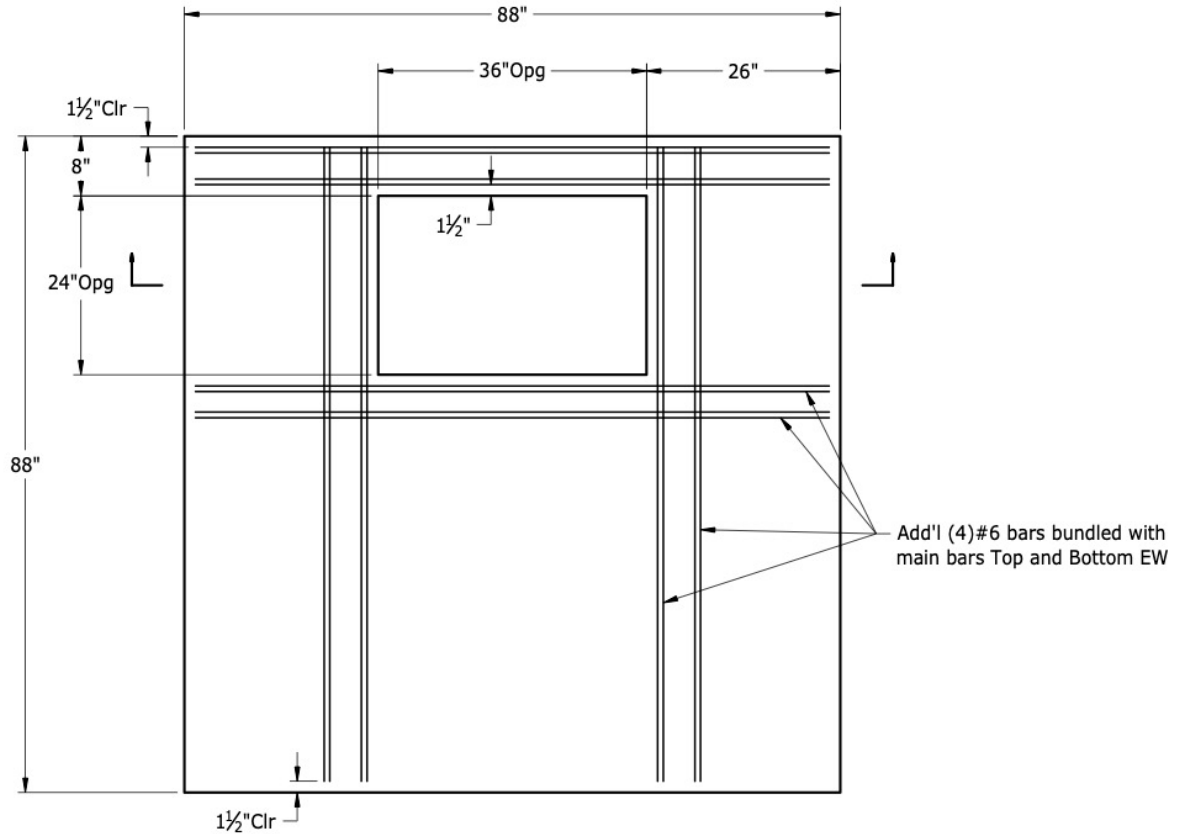


Section View

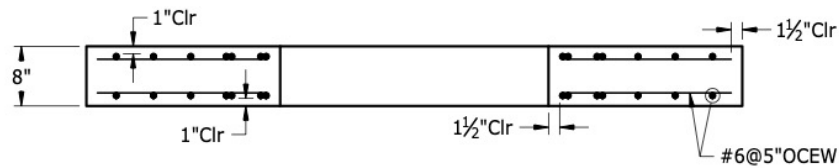
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET
24" X 36" ADAPTER FOR 6' X 6' BOX (88" X 88" X 8") (SC 719-110-00)**



Plan View

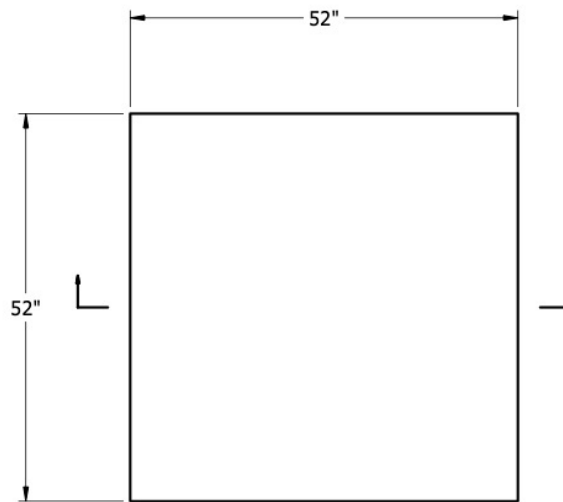


Section View

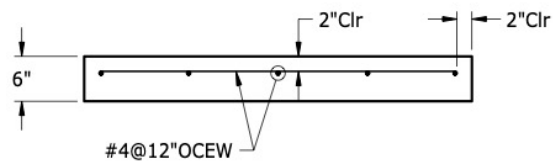
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 112
BOTTOM SLAB (52" X 52" X 6") (SC 719-112-00)**



Plan View

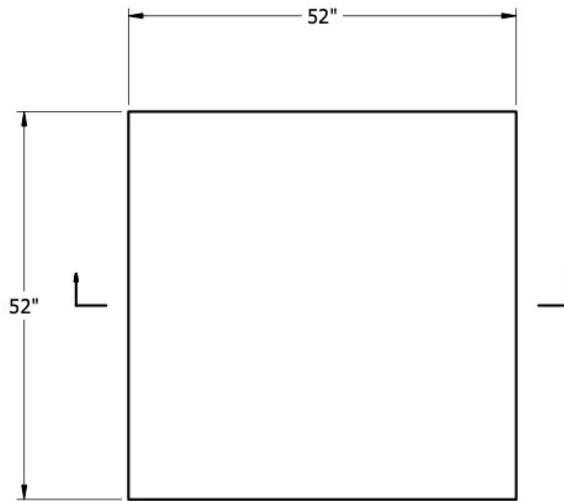


Section View

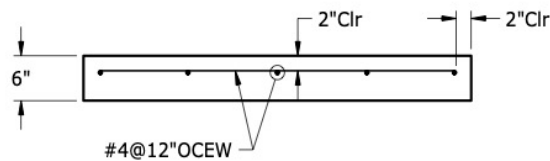
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET
TYPE 115 BOTTOM SLAB (52" X 52" X 6") (SC 719-115-00)**



Plan View

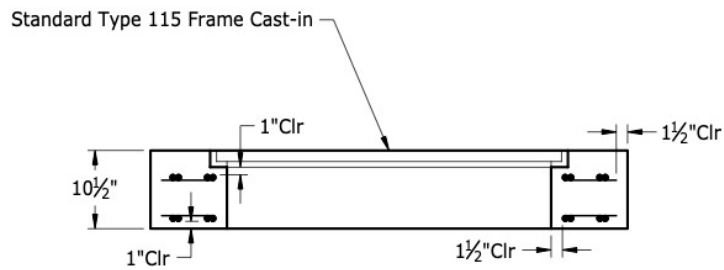
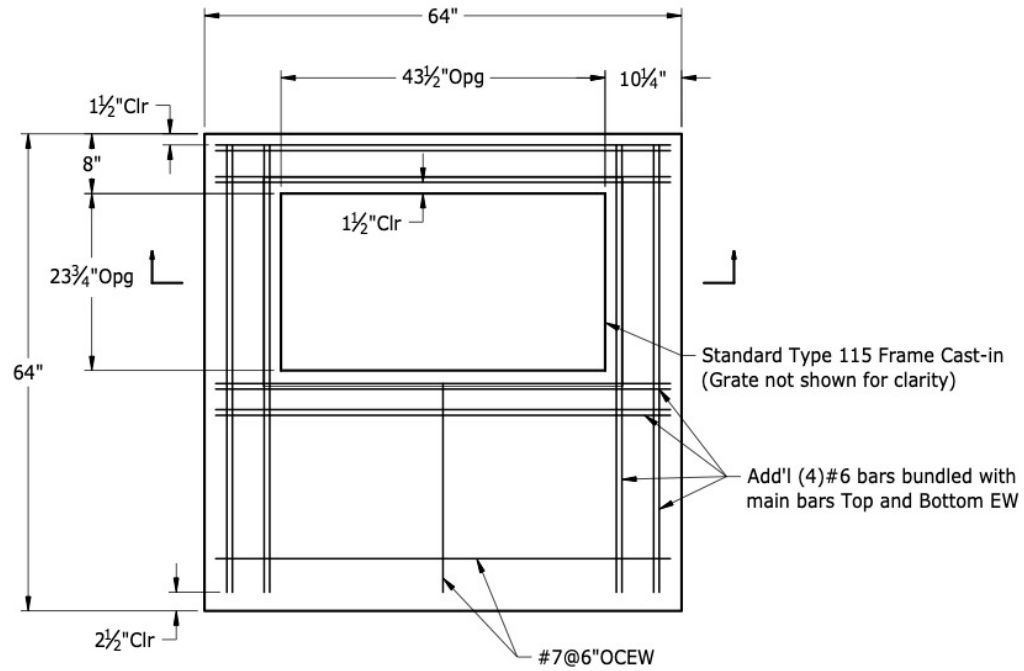


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.

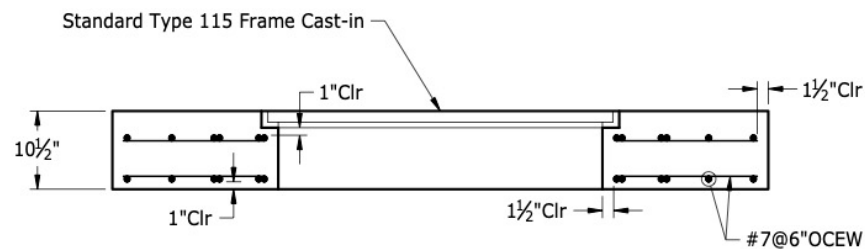
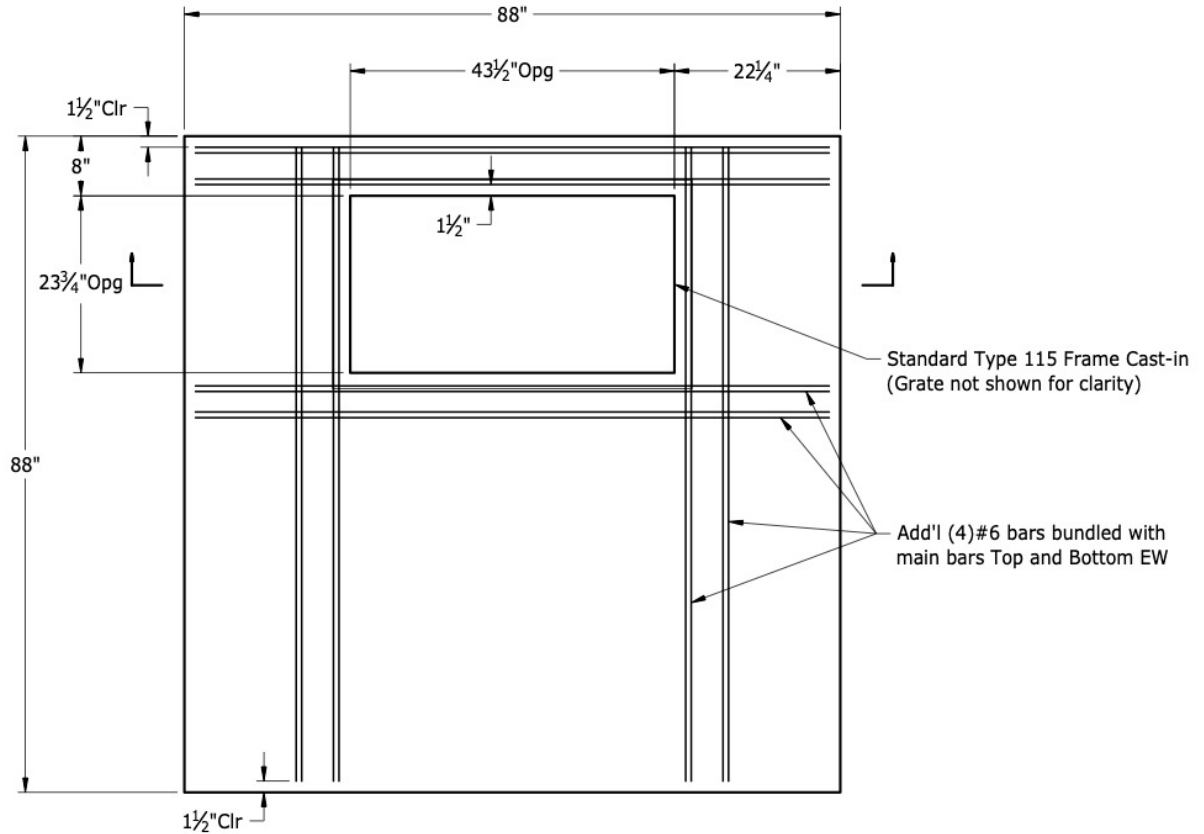
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 115 ADAPTER FOR 4' X 4' BOX (64" X 64" X 8") (SC 719-115-00)



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

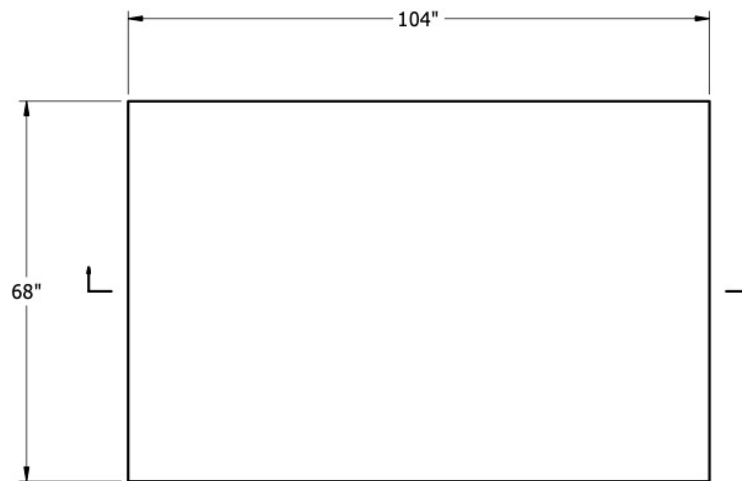
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET TYPE 115 ADAPTER FOR 6' X 6' BOX (88" X 88" X 8") (SC 719-115-00)



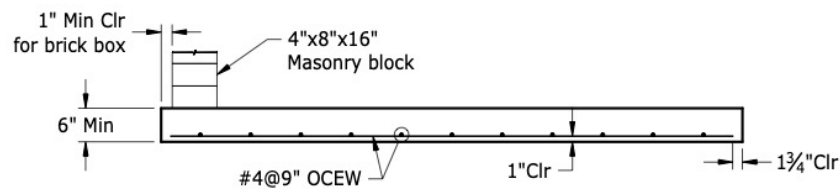
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 125
BOTTOM SLAB (68" X 104" X 6") (SC 719-125-01)**



Plan View

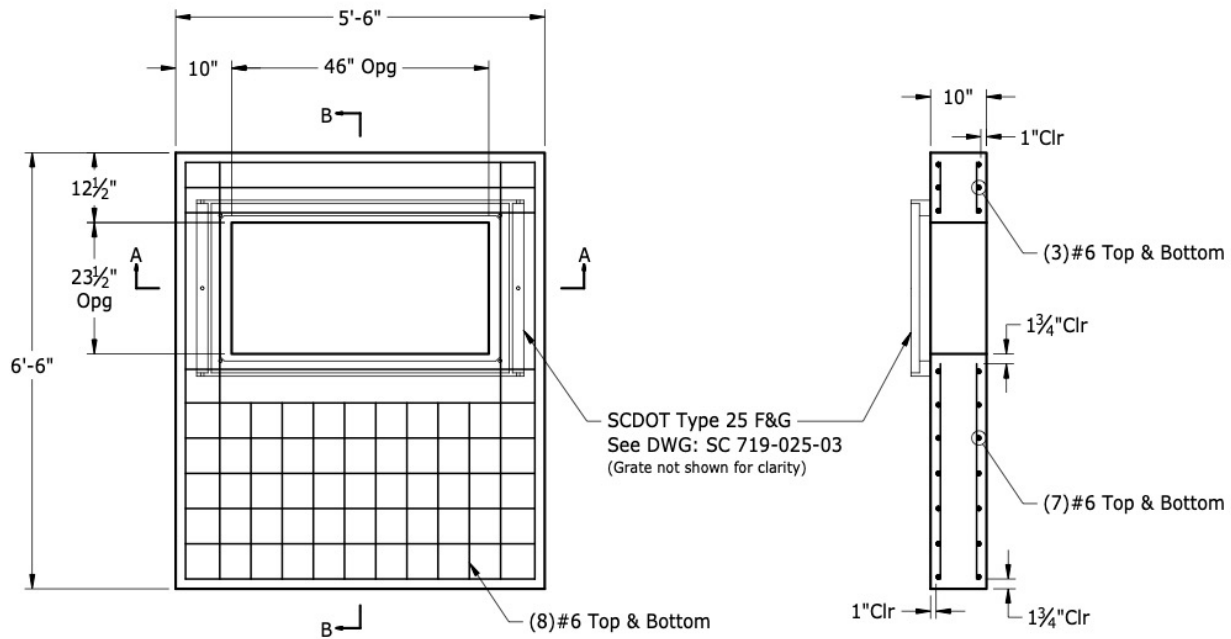


Section View

NOTES

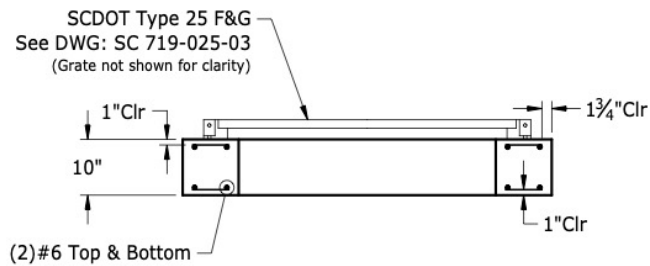
1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Stencil "Top" to indicate correct installation of bottom slab.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET TYPE 125 INLET ADAPTER SLAB FOR SINGLE 4' X 5' BOX (SC 719-125-02B)



Plan View

Section View B-B

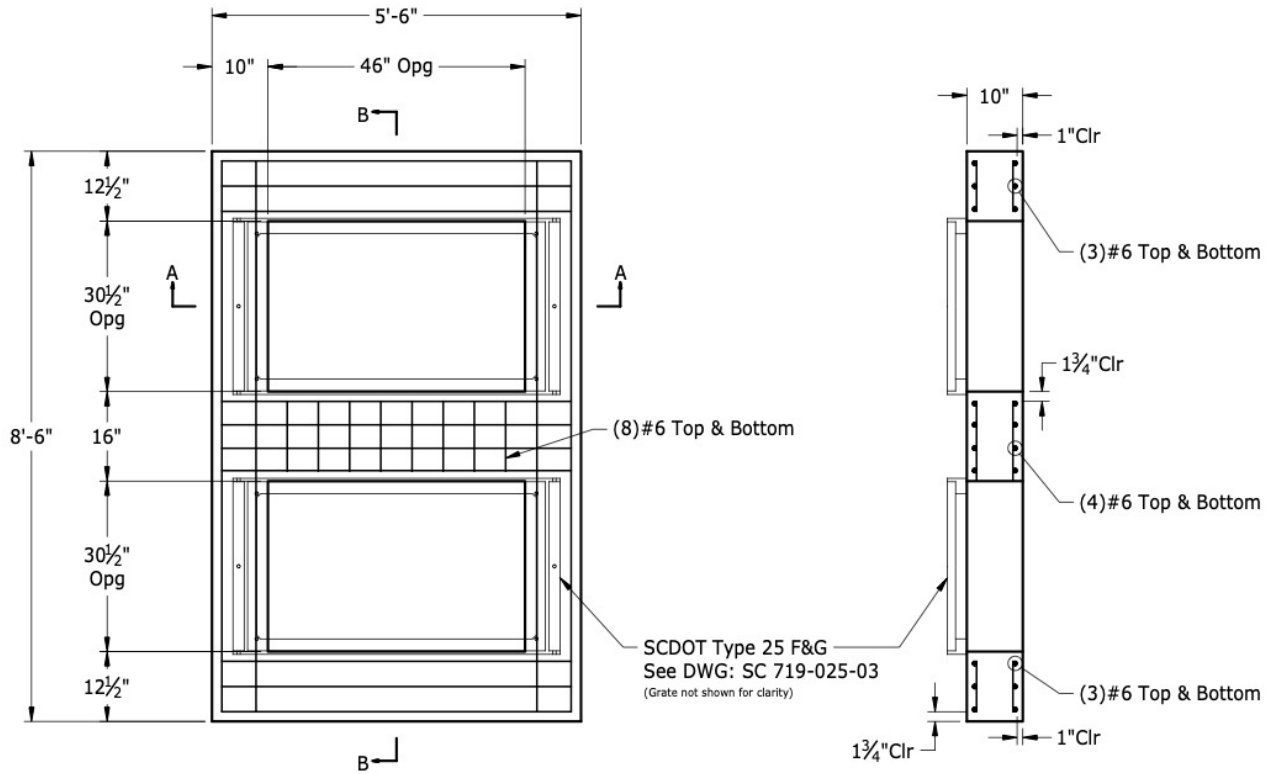


Section View A-A

NOTES

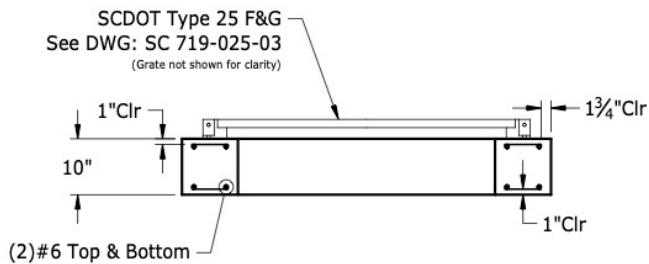
1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Inlet adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST DROP INLET 125 DOUBLE INLET ADAPTER SLAB FOR DOUBLE 4' X 7' BOX (SC 719-125-02C)



Plan View

Section View B-B

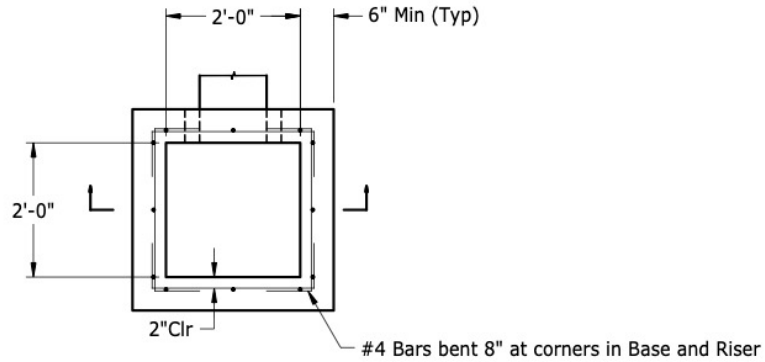


Section View A-A

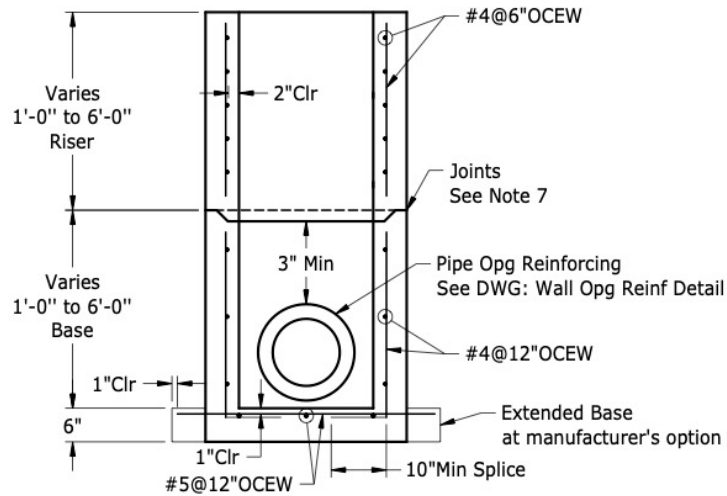
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Inlet adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 2' X 2' (SC 719-305-00 & 719-315-00)



Plan View

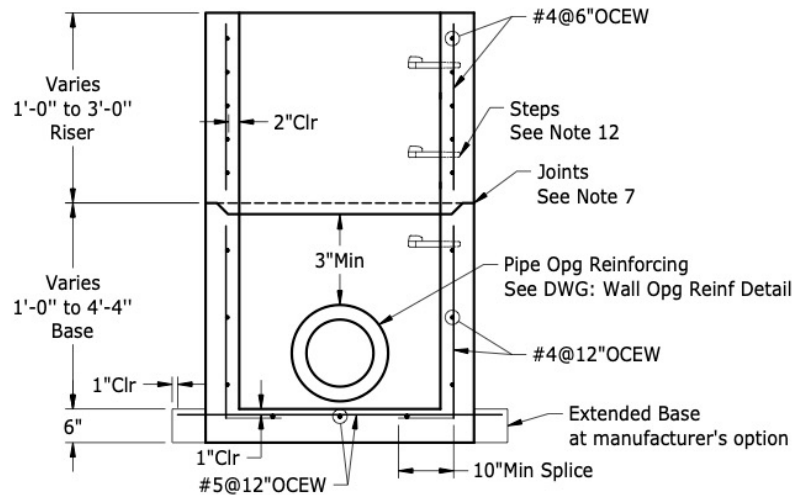
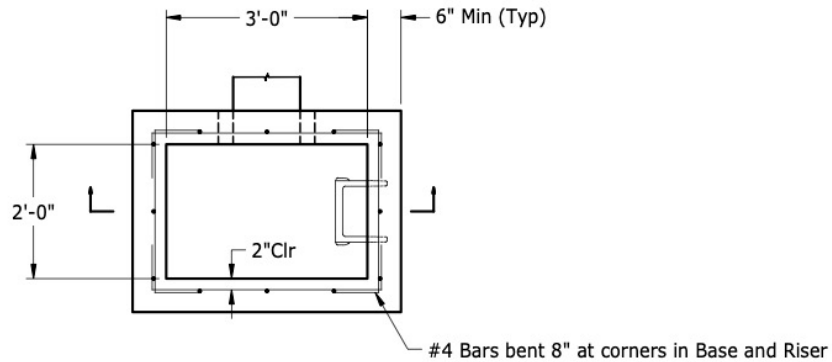


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Structure meet ASTM C890 or C913.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes placement in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
11. Invert shaping to be constructed in field by contractor.

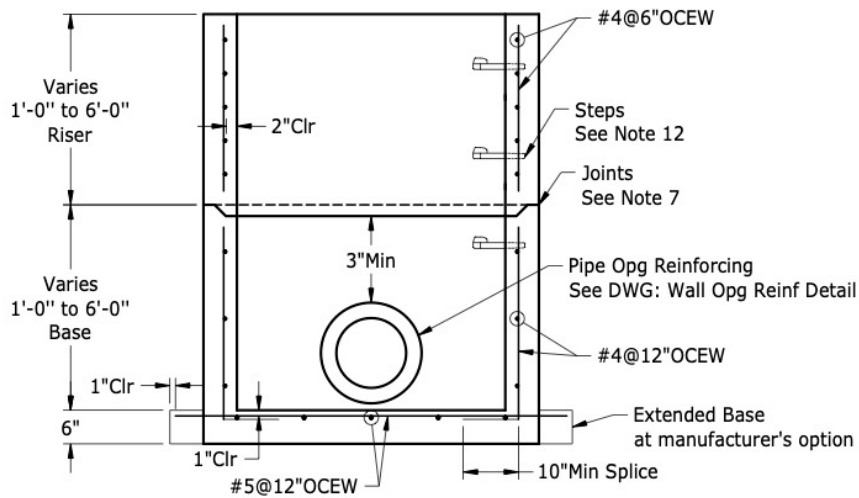
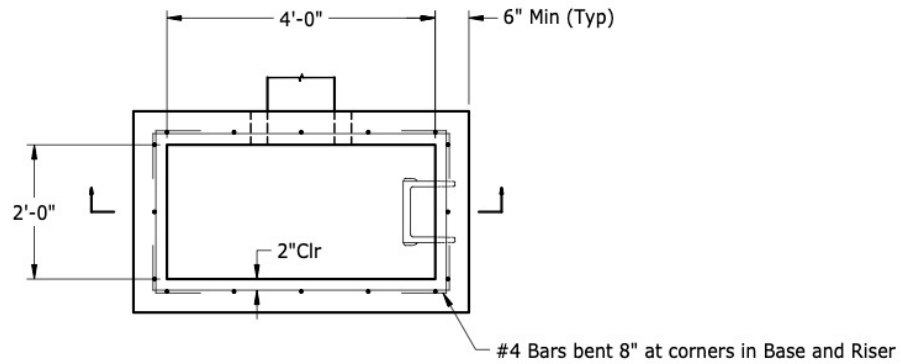
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 2' X 3' (SC 719-305-00 & 719-315-00)



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Structure meet ASTM C890 or C913.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes placement in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
11. Invert shaping to be constructed in field by contractor.
12. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.

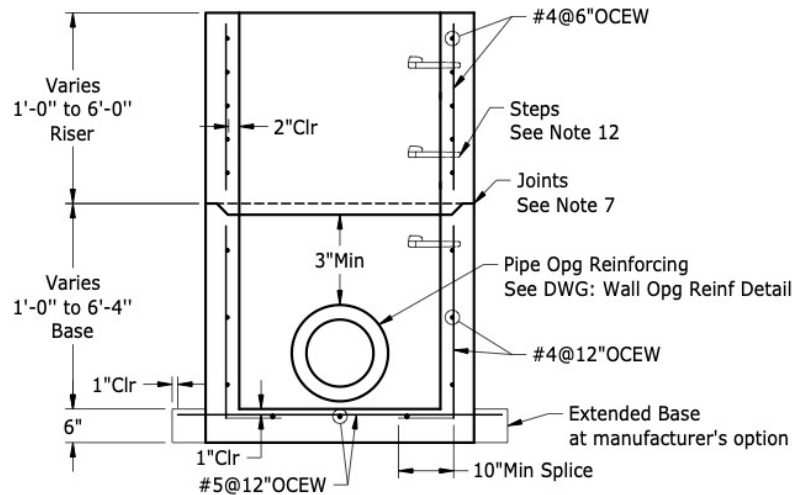
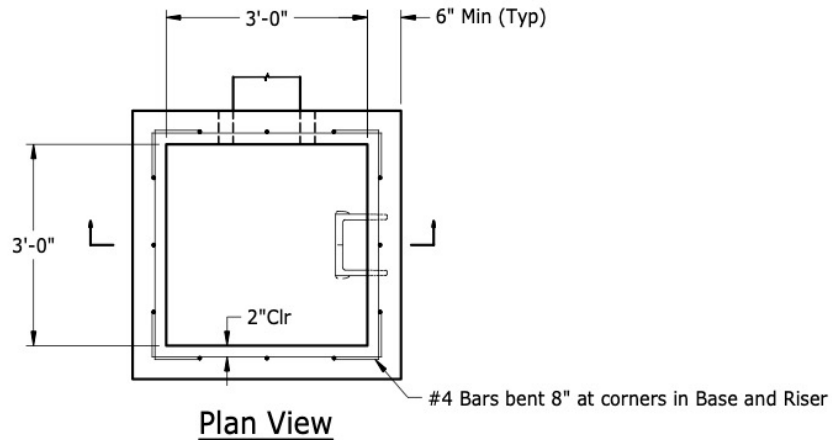
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 2' X 4' (SC 719-305-00 & 719-315-00)



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Structure meet ASTM C890 or C913.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes placement in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
11. Invert shaping to be constructed in field by contractor.
12. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.

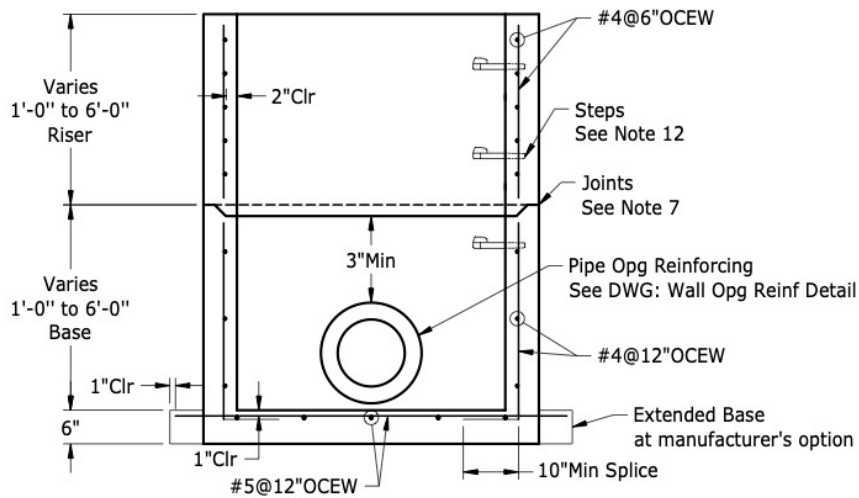
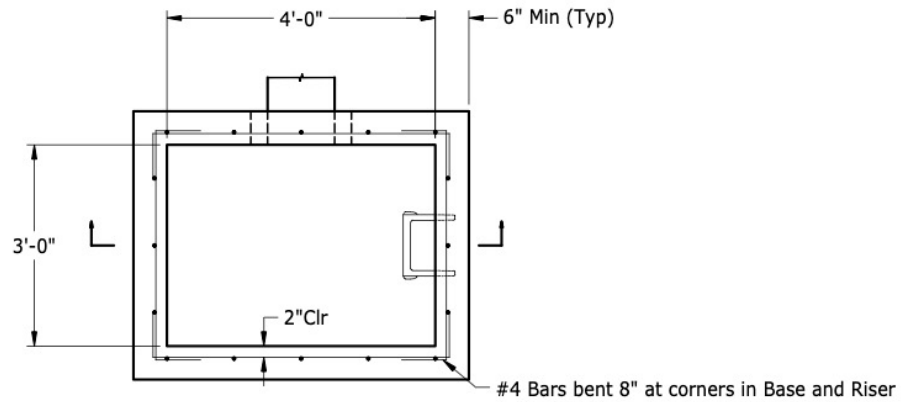
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 3' X 3' (SC 719-305-00 & 719-315-00)



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Structure meet ASTM C890 or C913.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes placement in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
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12. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.

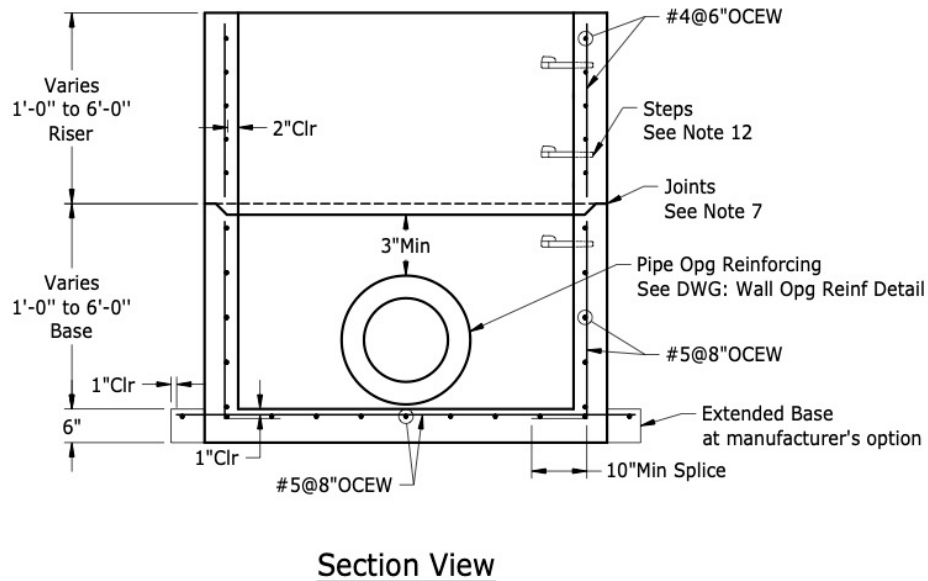
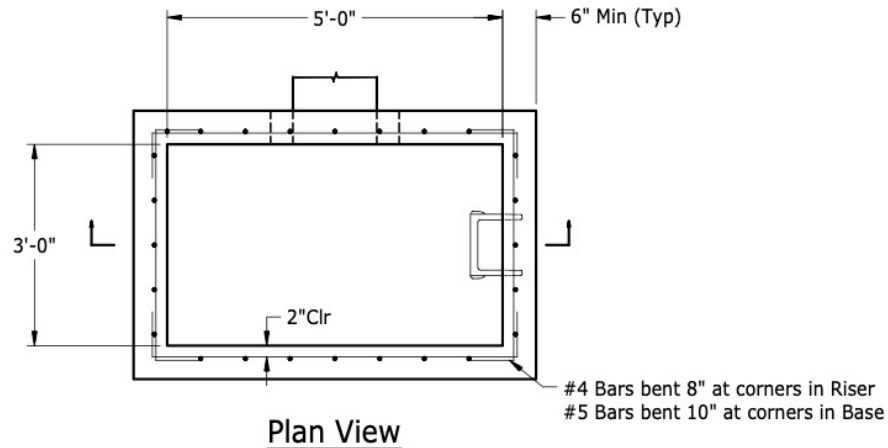
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 3' X 4' (SC 719-305-00 & 719-315-00)



NOTES

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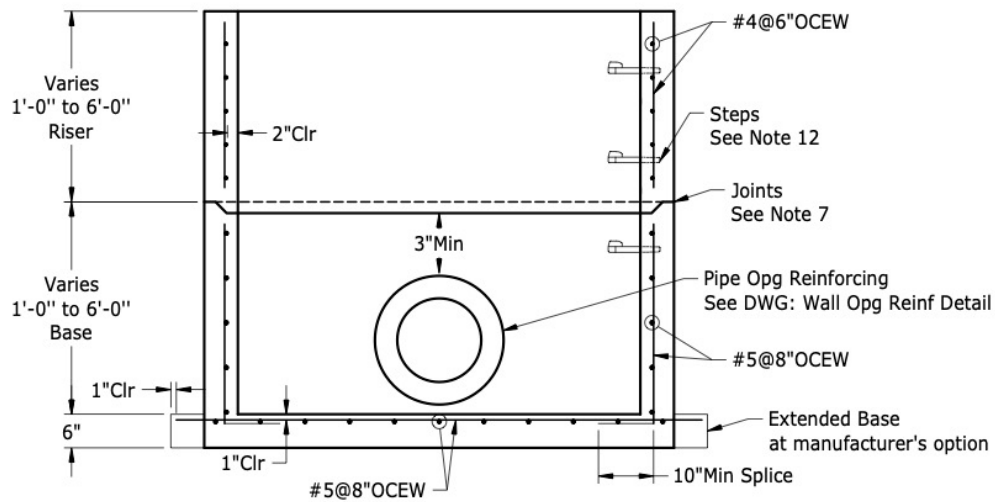
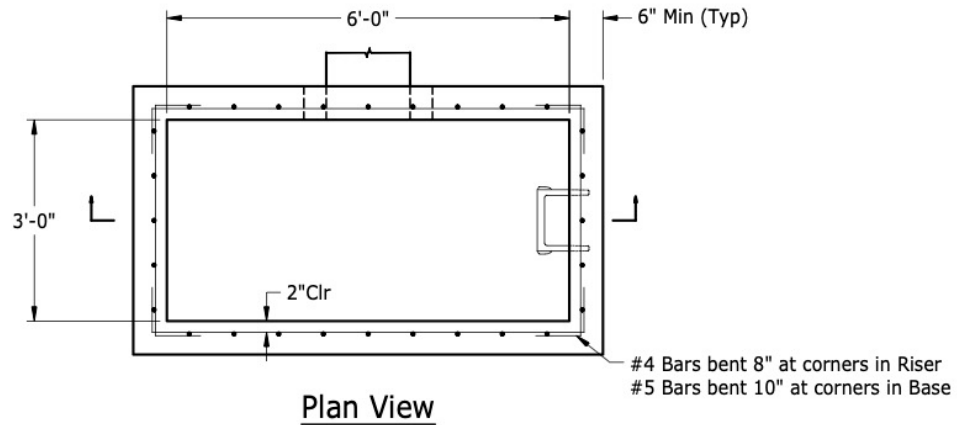
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 3' X 5' (SC 719-305-00 & 719-315-00)



NOTES

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9. Refer to contract for pipe sizes, location, and elevations.
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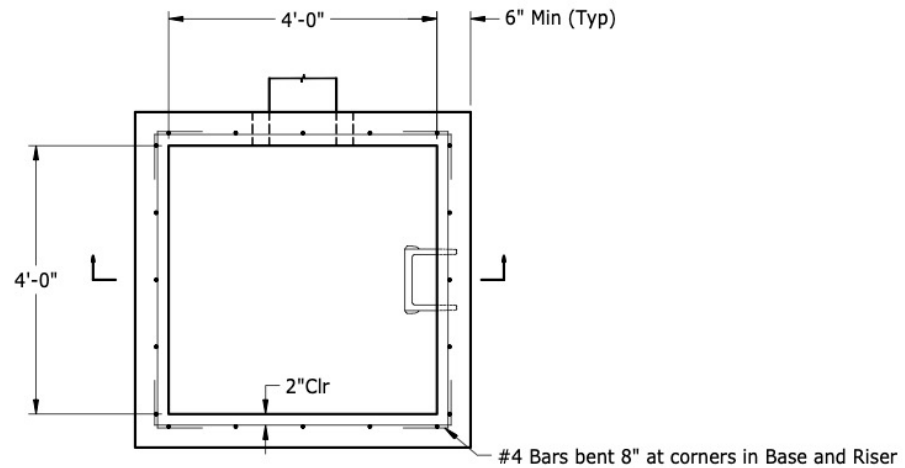
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 3' X 6' (SC 719-305-00 & 719-315-00)



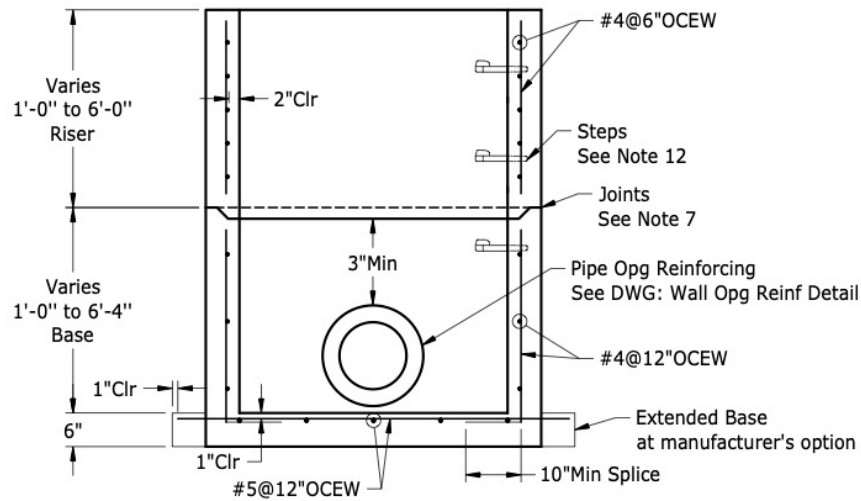
NOTES

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10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 4' X 4' (SC 719-305-00 & 719-315-00)



Plan View

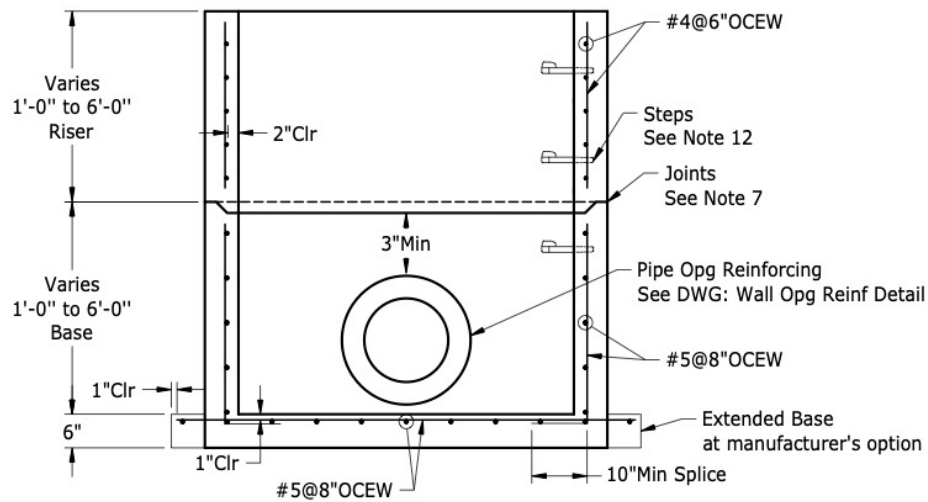
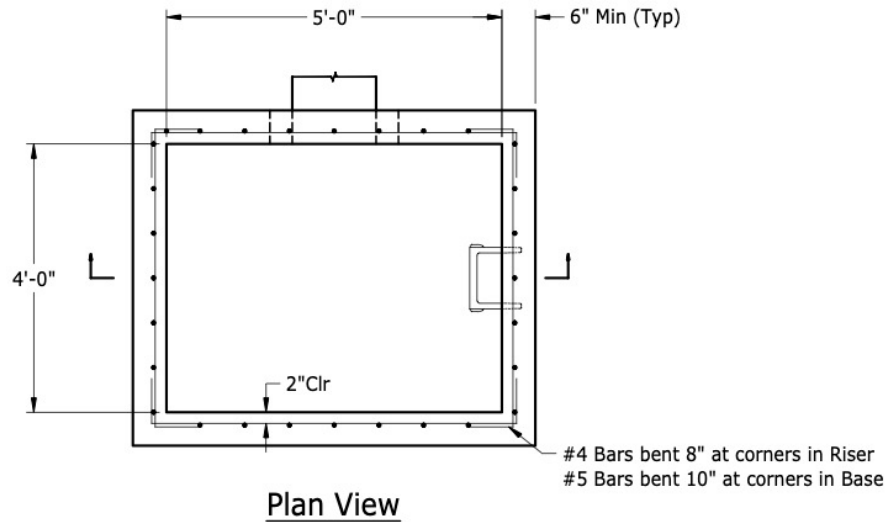


Section View

NOTES

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12. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.

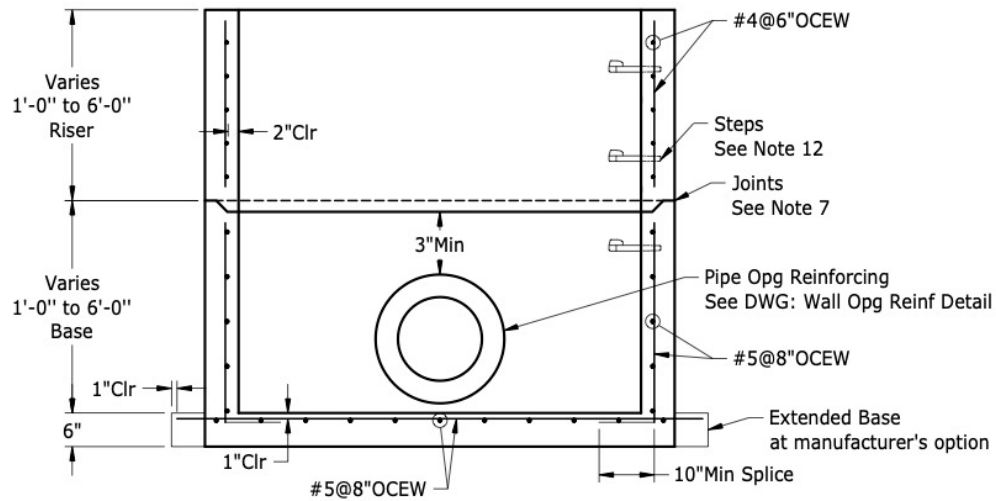
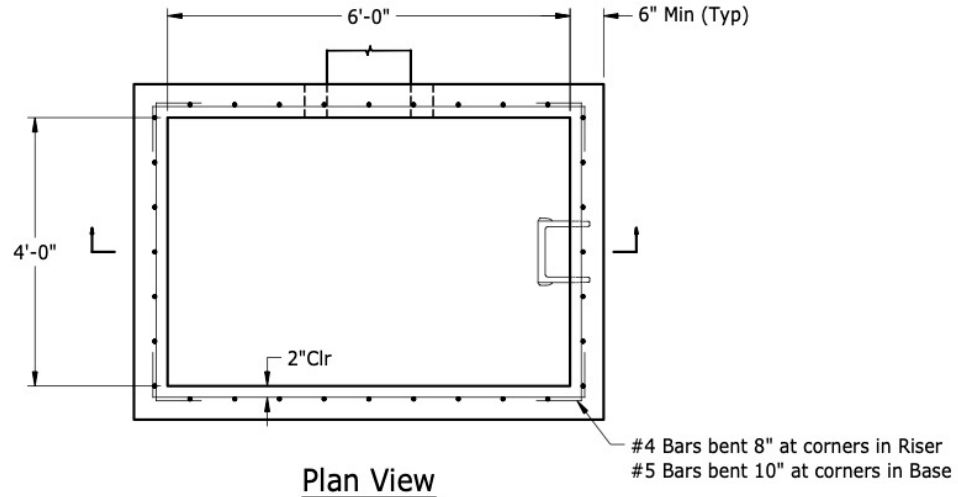
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 4' X 5' (SC 719-305-00 & 719-315-00)



NOTES

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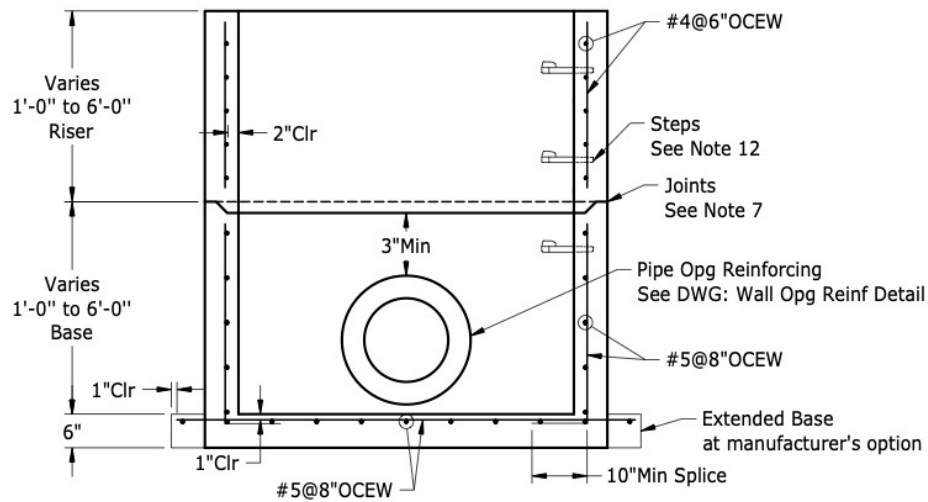
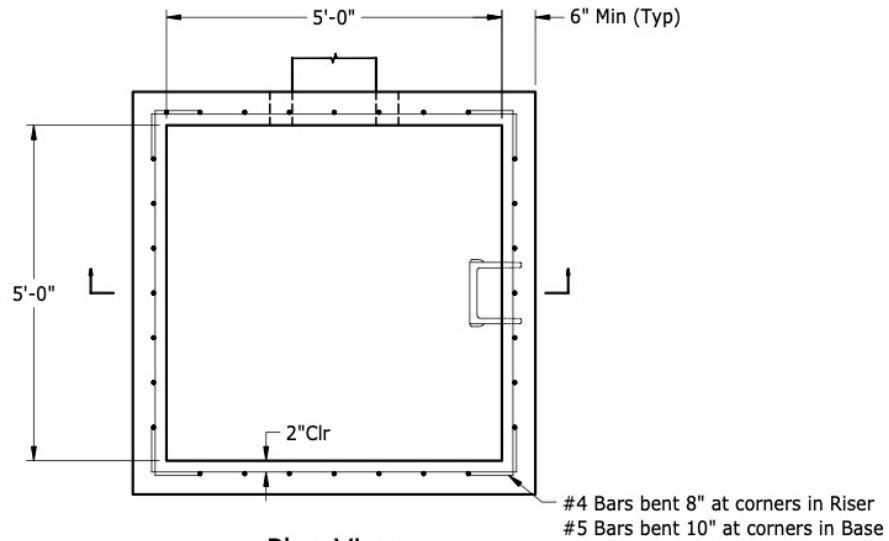
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 4' X 6' (SC 719-305-00 & 719-315-00)



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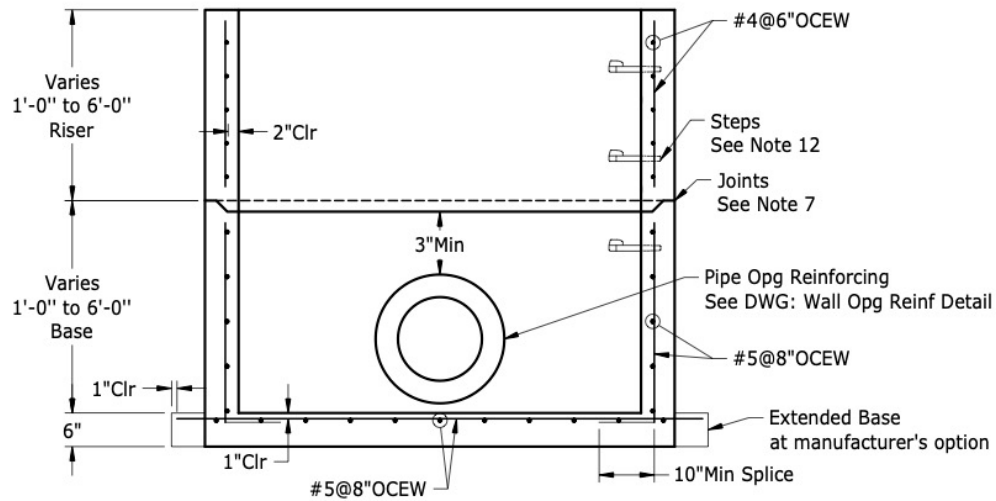
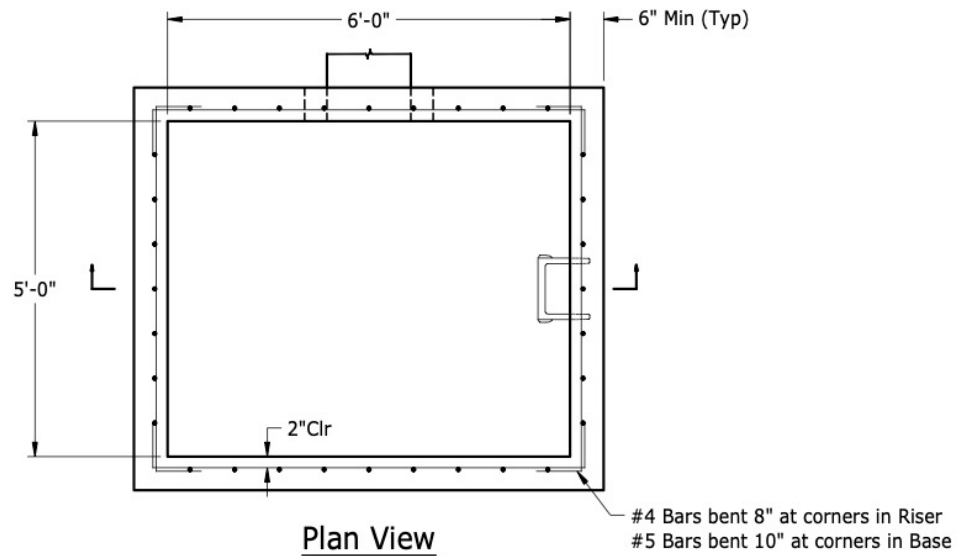
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 5' X 5' (SC 719-305-00 & 719-315-00)



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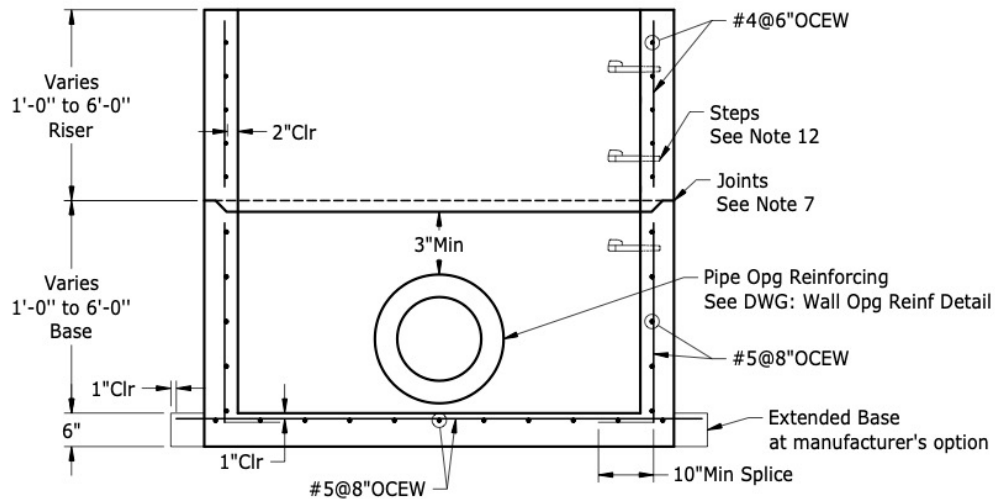
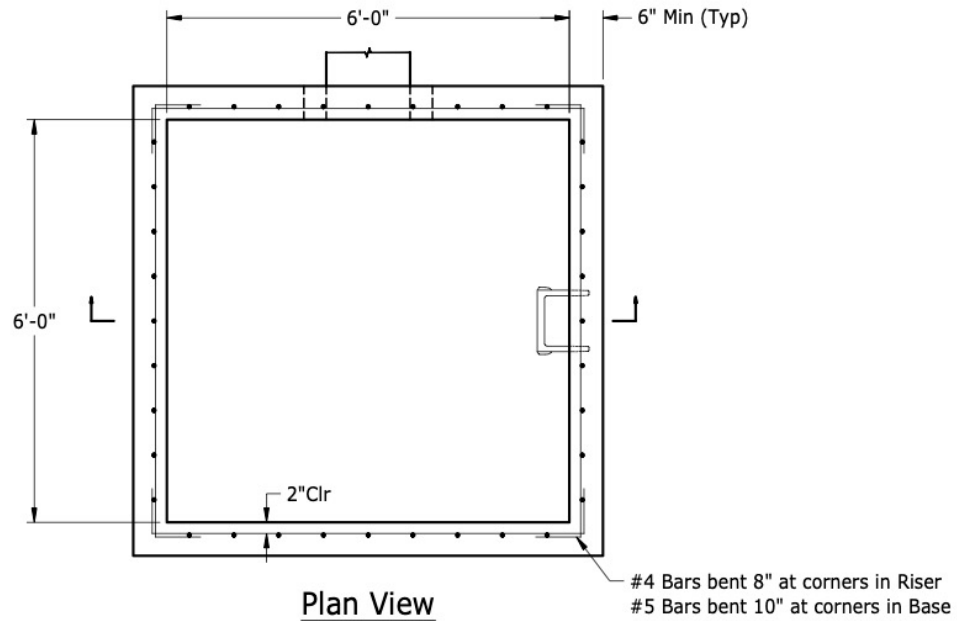
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 5' X 6' (SC 719-305-00 & 719-315-00)



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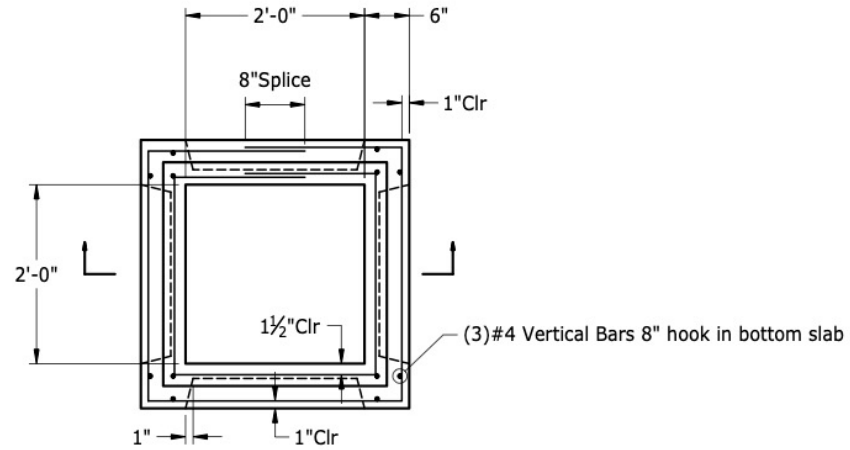
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST SOLID WALL BOX WITH RISER 6' X 6' (SC 719-305-00 & 719-315-00)



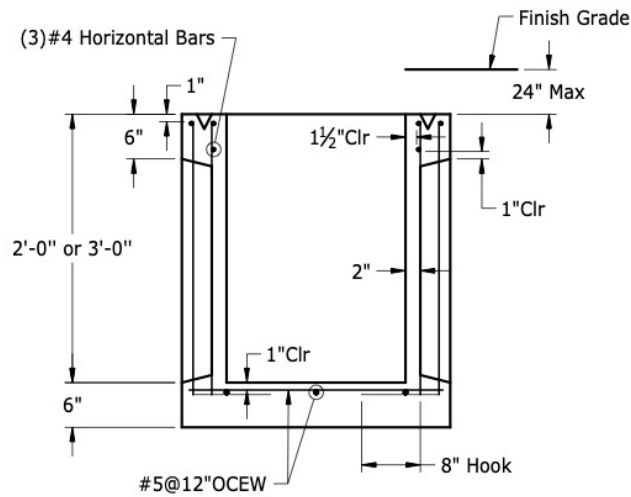
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12. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST KNOCKOUT BOX 2' X 2' (SC 719-305-00)



Plan View

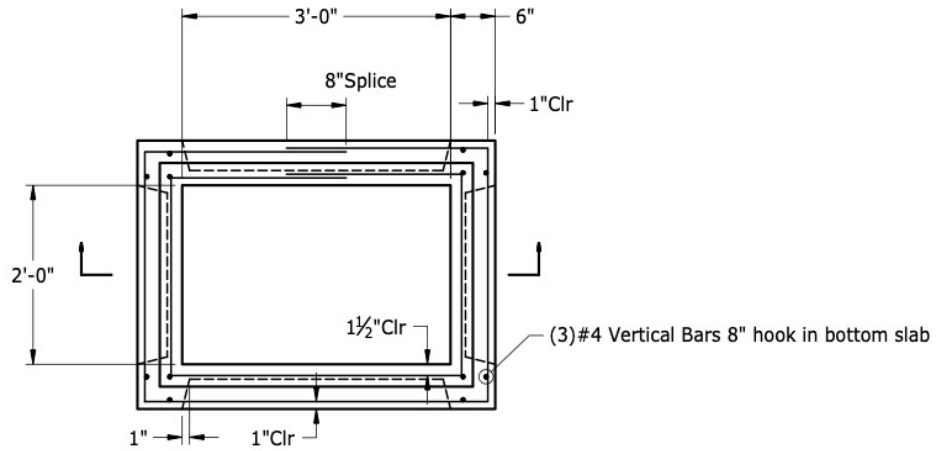


Section View

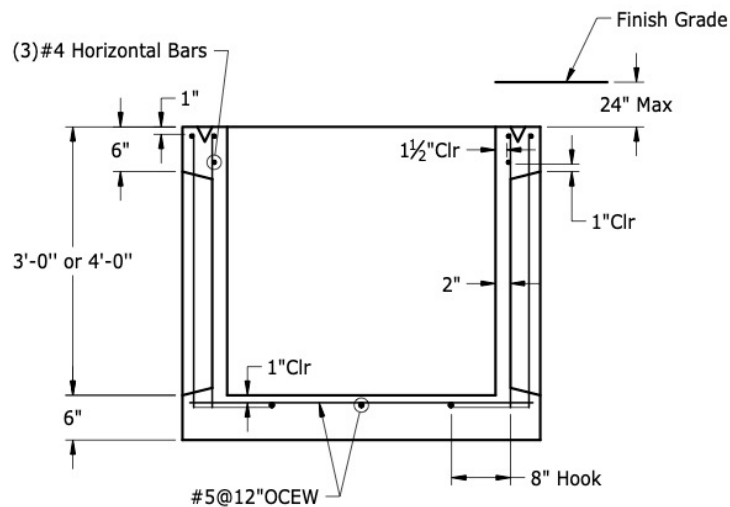
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9. Refer to contract for pipe sizes, location, and elevations.
10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST KNOCKOUT BOX 2' X 3' (SC 719-310-00)



Plan View

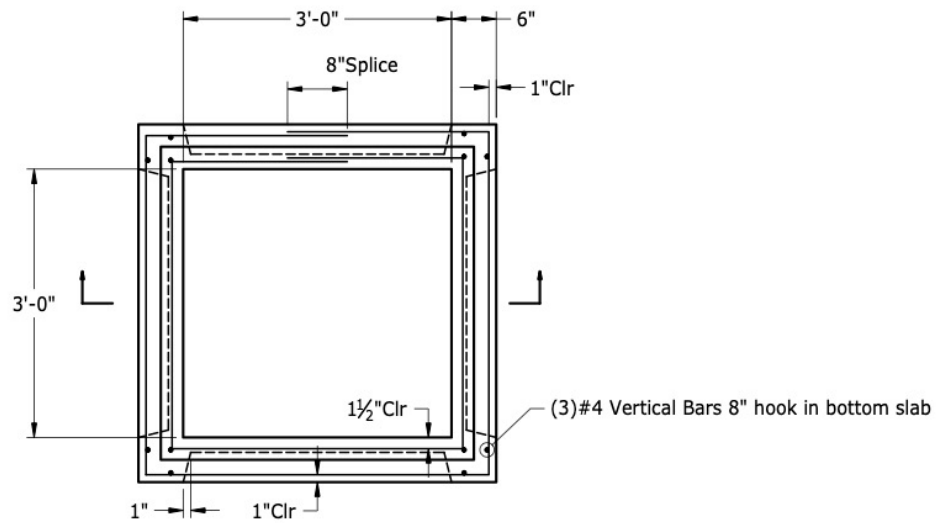


Section View

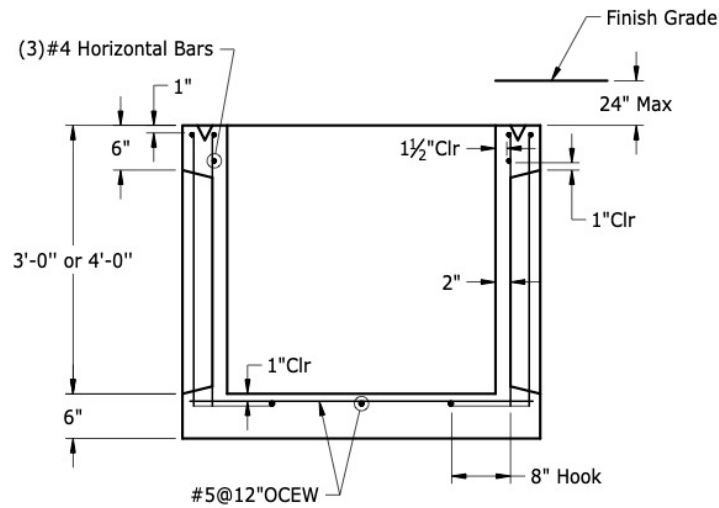
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10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST KNOCKOUT BOX 3' X 3' (SC 719-310-00)



Plan View



Section View

NOTES

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10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

4'-0"

6"

8" Splice

1" Clr

3'-0"

1 1/2" Clr

1" Clr

1"

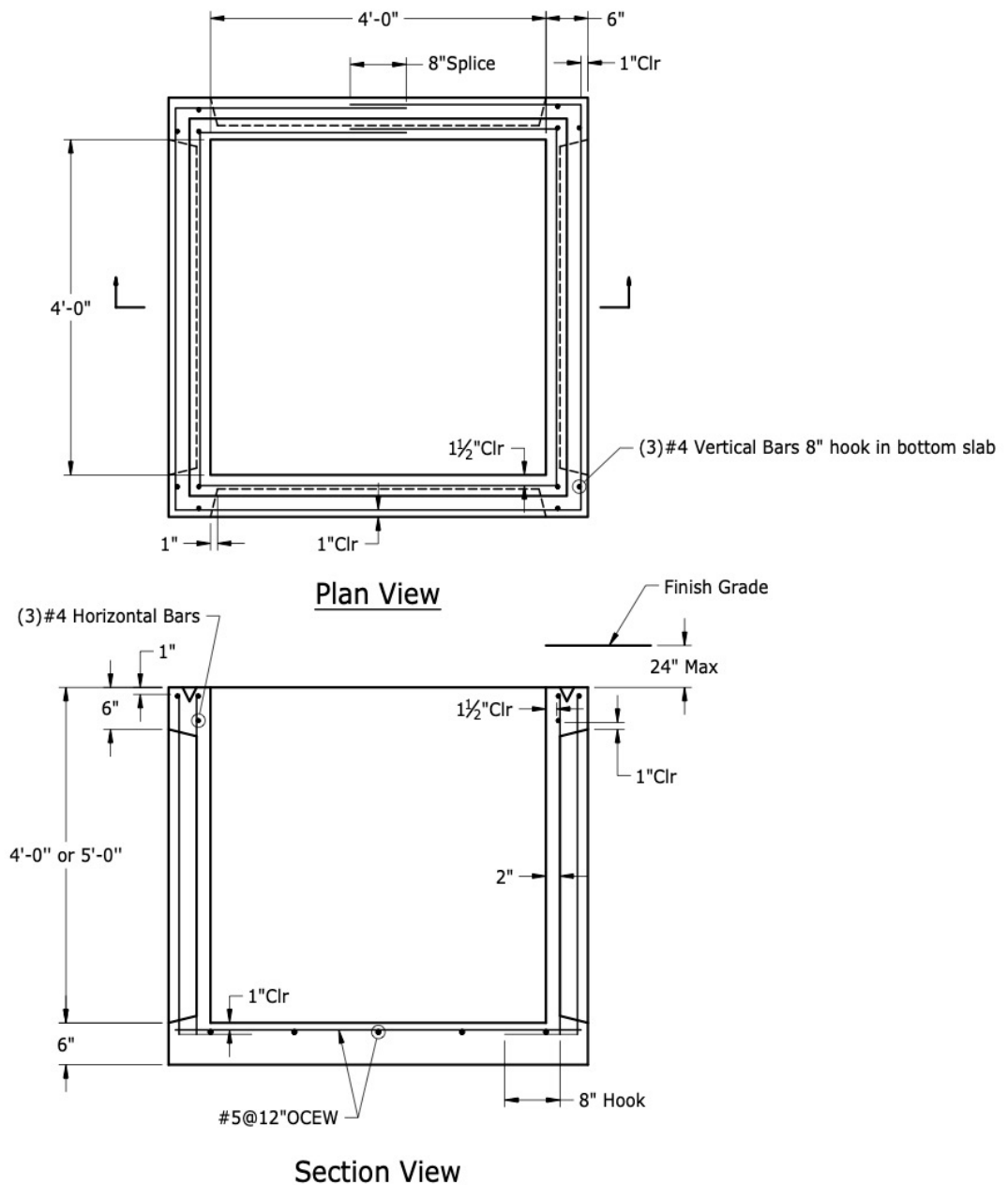
(3) #4 Vertical Bars 8" hook in bottom slab

Diagram illustrating the cross-section of a concrete wall with reinforcement details:

- Horizontal Bars:** (3) #4 Horizontal Bars are shown at the top of the wall.
- Vertical Bars:** #5@12" OCEW (On Center Every 12 inches) are shown along the length of the wall.
- Clearance:**
 - 1" clearance is specified between the horizontal bars and the top of the wall.
 - 1" clearance is specified between the vertical bars and the side of the wall.
 - 1" clearance is specified between the vertical bars and the bottom of the wall.
 - 1 1/2" clearance is specified between the horizontal bars and the side of the wall.
 - 2" clearance is specified between the vertical bars and the bottom of the wall.
- Hook:** An 8" Hook is shown for the vertical bars at the bottom of the wall.
- Finish Grade:** The top of the wall is labeled as Finish Grade.
- Dimensions:**
 - The total height of the wall is 3'-0" or 4'-0".
 - The total width of the wall is 24" Max.
 - The thickness of the wall is 6".

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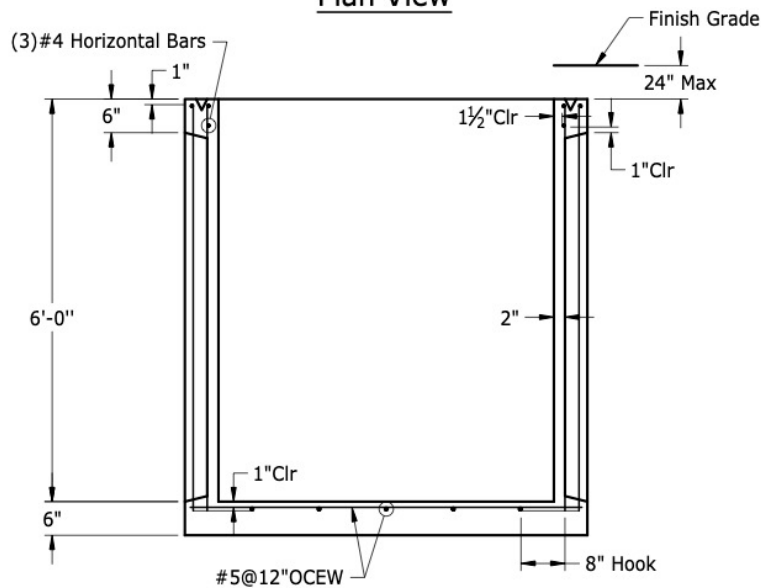
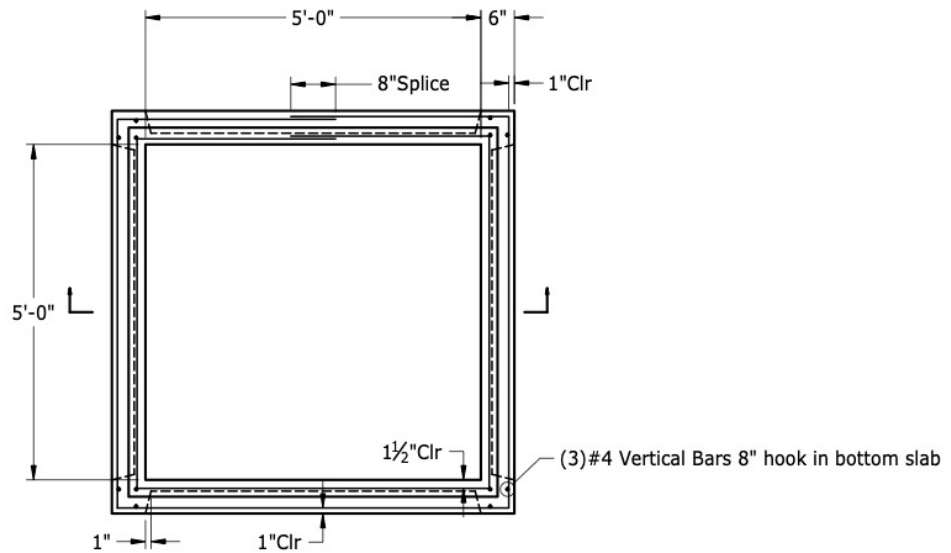
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST KNOCKOUT BOX 4' X 4' (SC 719-310-00)**



NOTES

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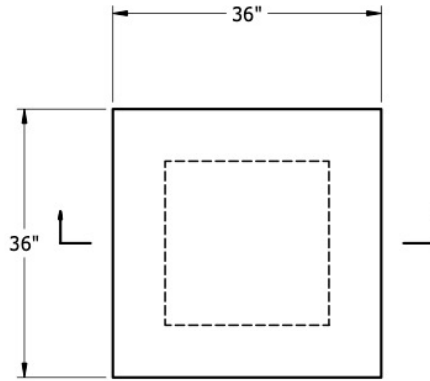
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST KNOCKOUT BOX 5' X 5' (SC 719-310-00)**



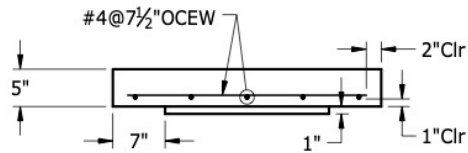
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9. Refer to contract for pipe sizes, location, and elevations.
10. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2' X 2' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

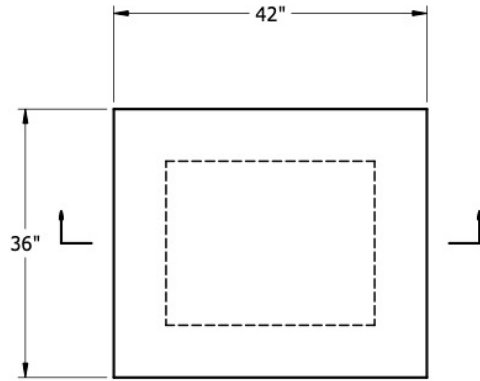


Section View

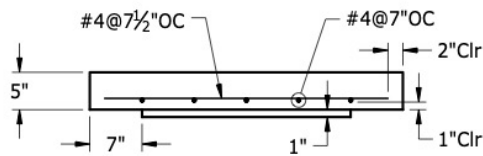
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4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2' X 2'-6" JUNCTION BOX TOP (SC 719-330-00)



Plan View

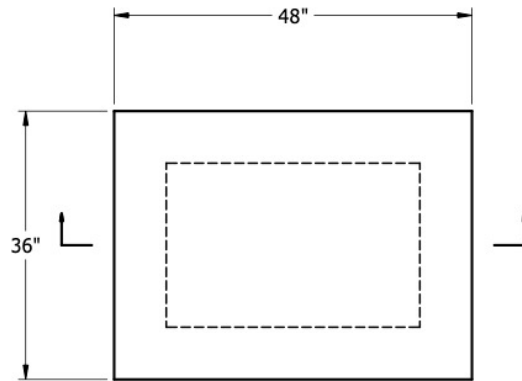


Section View

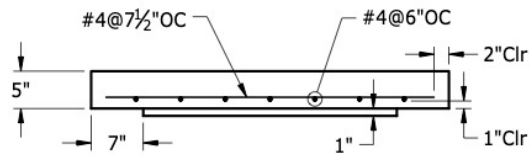
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6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2' X 3' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

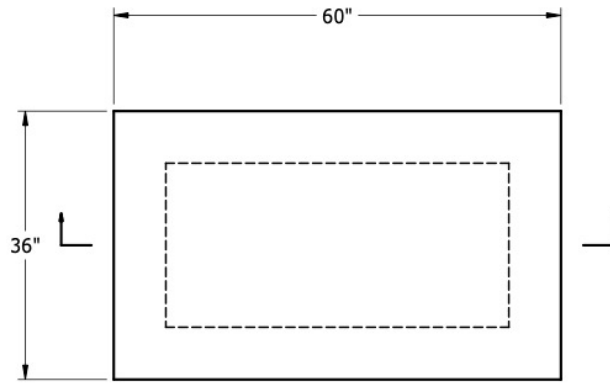


Section View

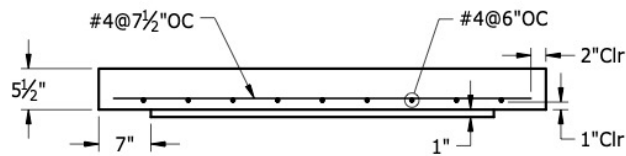
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1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2' X 4' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

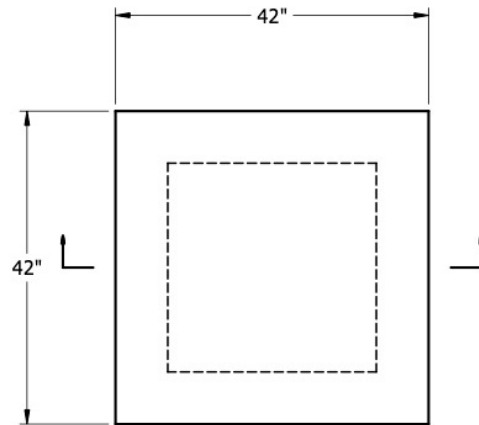


Section View

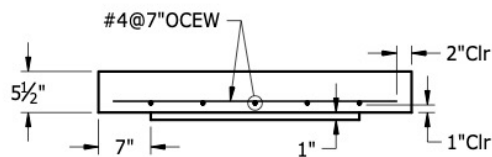
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2'-6" X 2'-6" JUNCTION BOX TOP (SC 719-330-00)**



Plan View

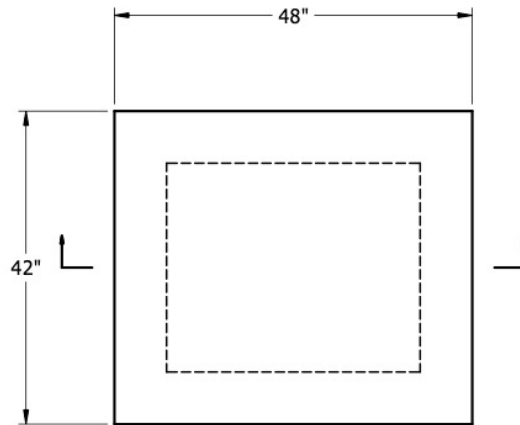


Section View

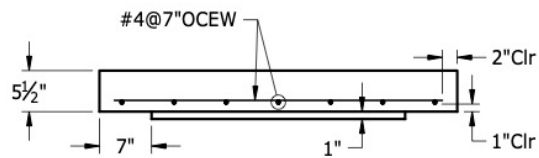
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2'-6" X 3' JUNCTION BOX TOP (SC 719-330-00)



Plan View

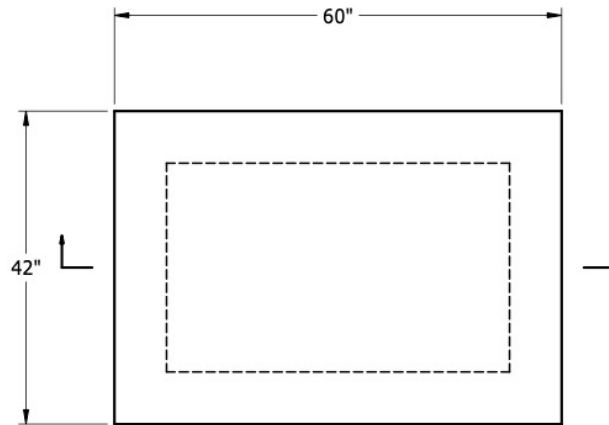


Section View

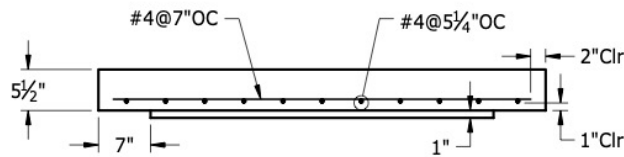
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 2'-6" X 4' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

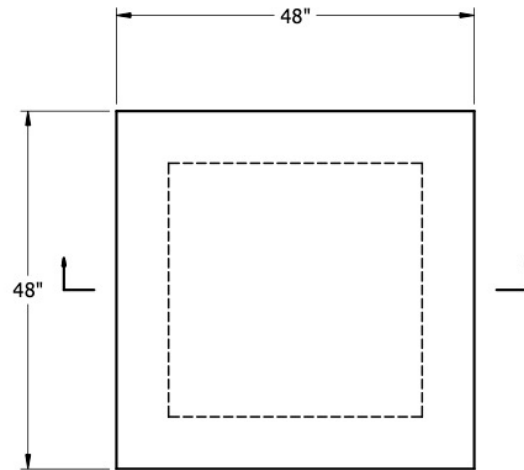


Section View

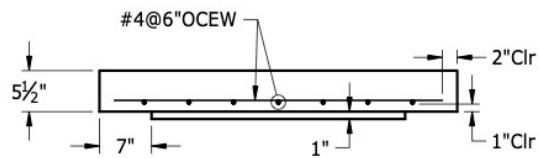
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 3' X 3' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

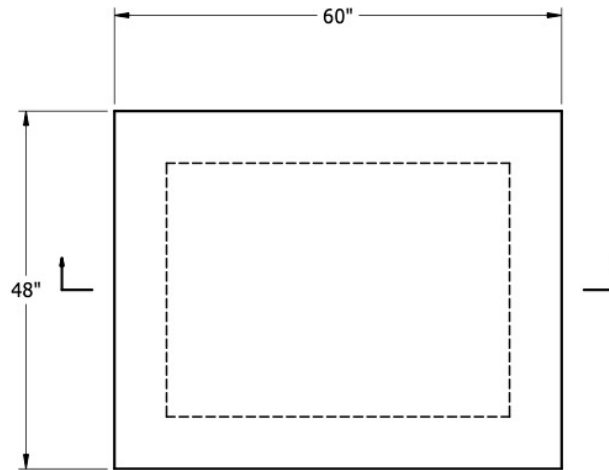


Section View

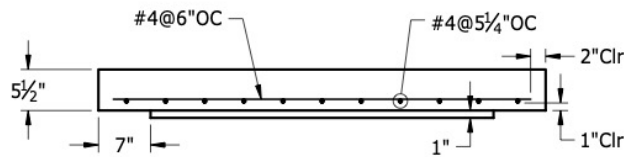
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 3' X 4' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

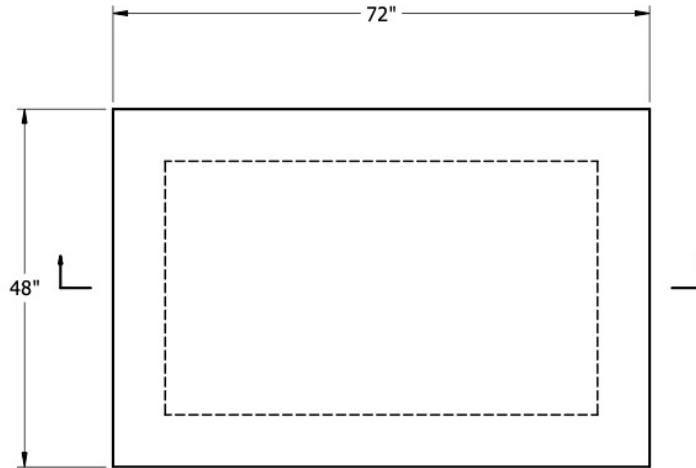


Section View

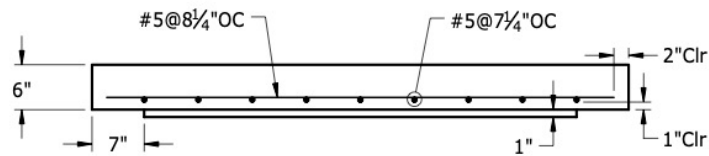
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 3' X 5' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

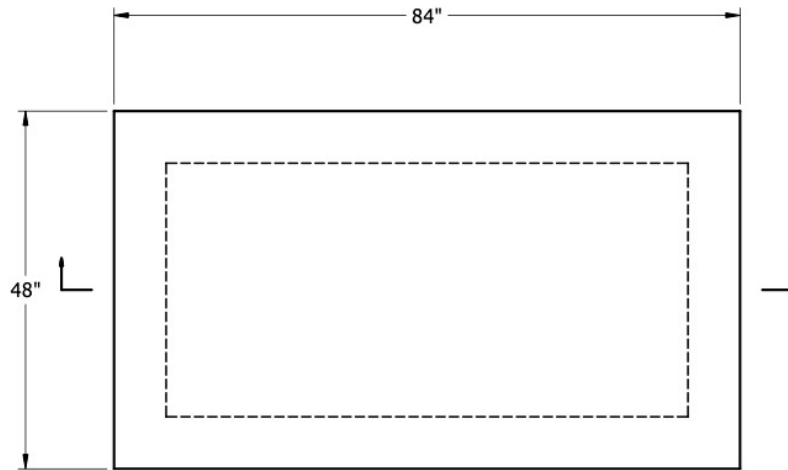


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 3' X 6' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

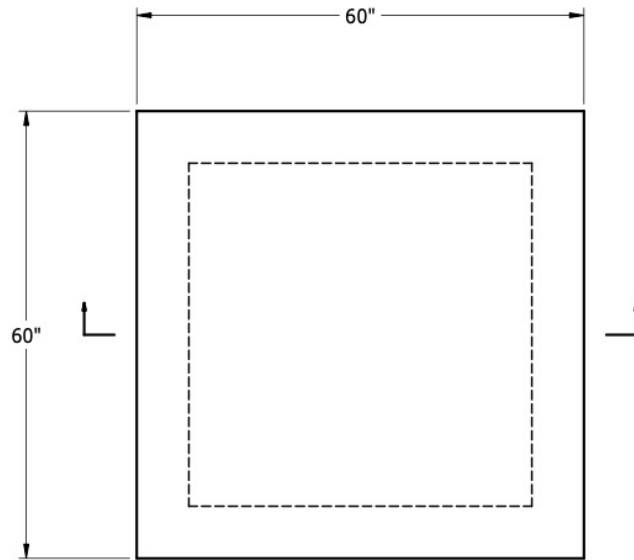


Section View

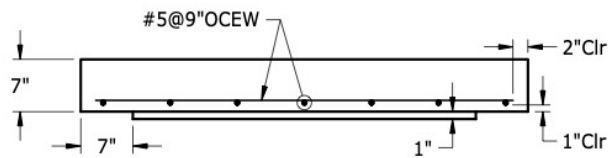
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 4' X 4' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

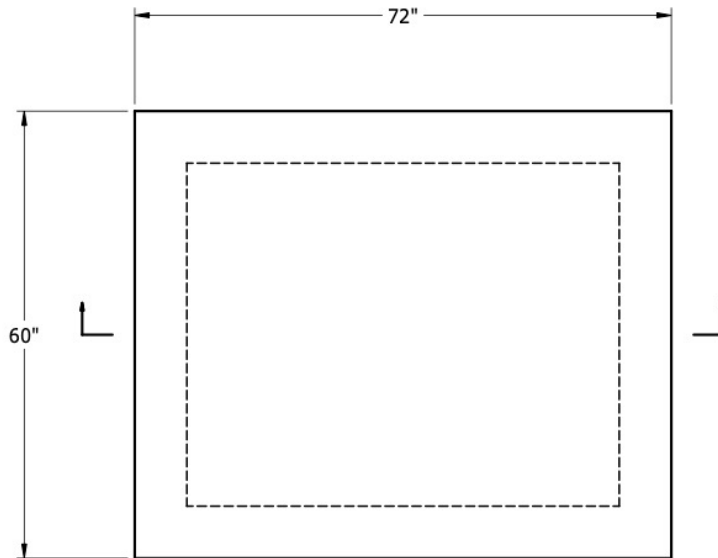


Section View

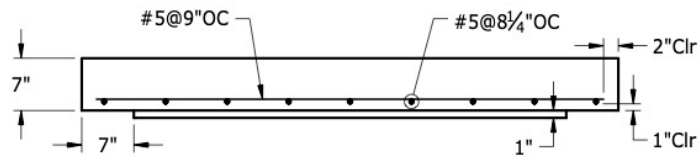
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 4' X 5' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

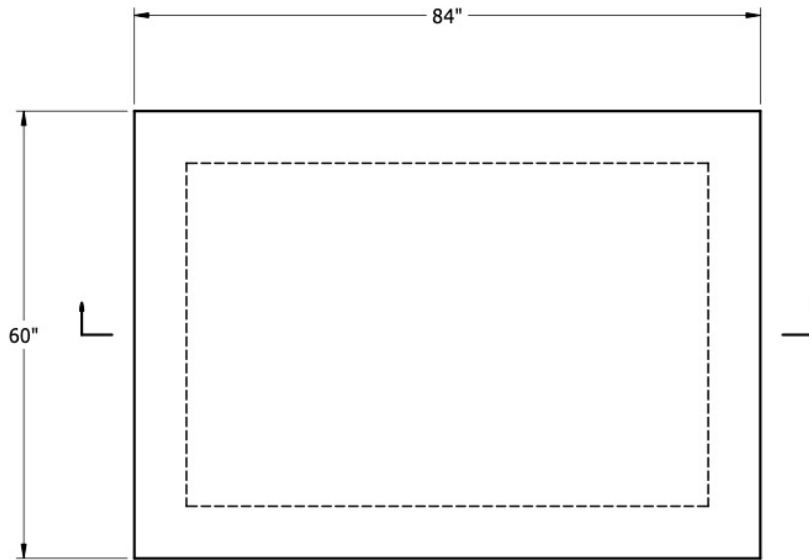


Section View

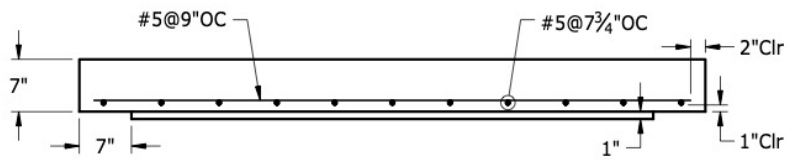
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 4' X 6' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

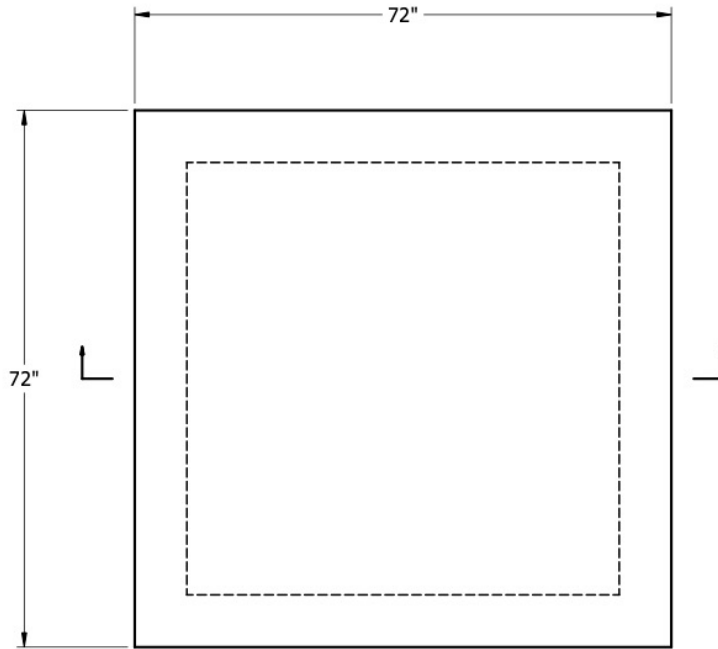


Section View

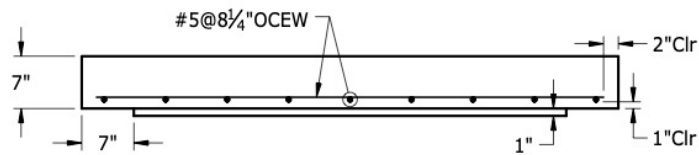
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 5' X 5' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

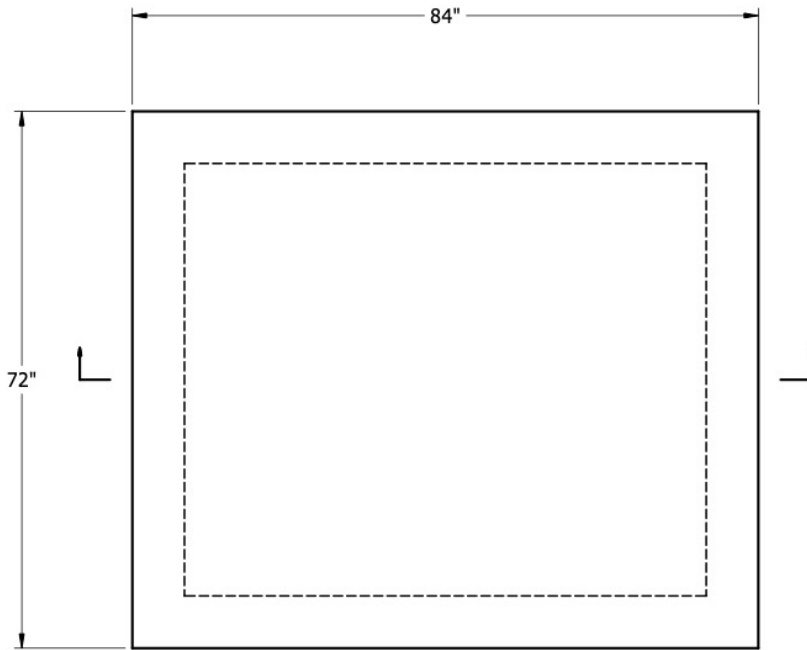


Section View

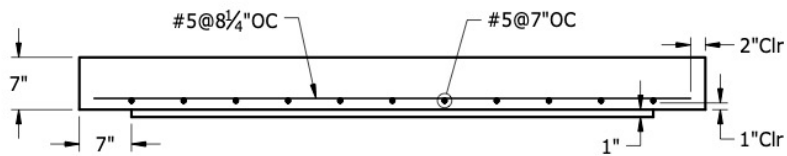
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 5' X 6' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

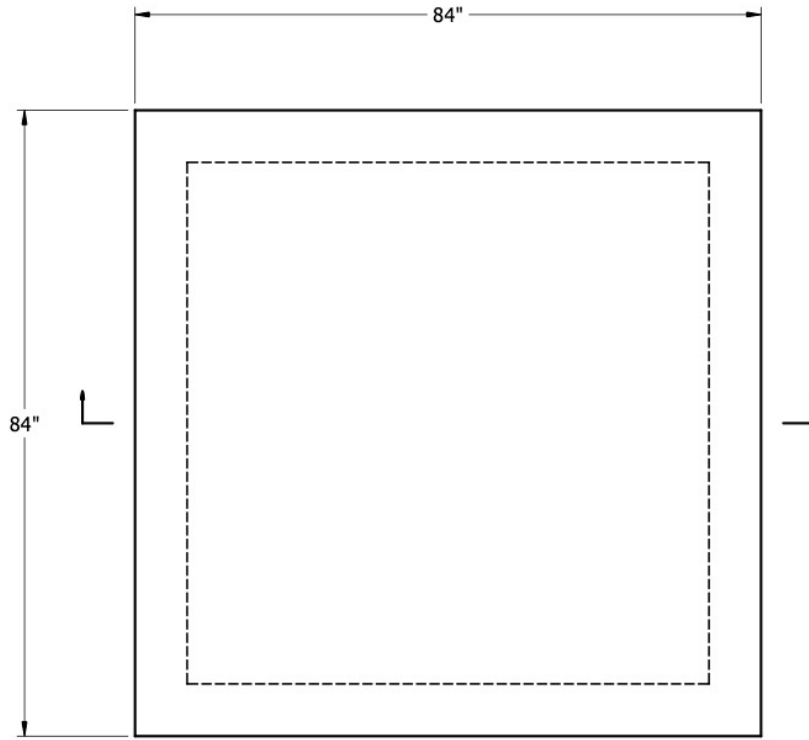


Section View

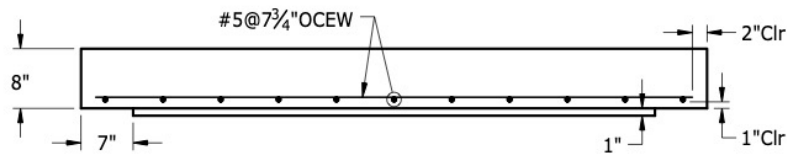
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 6' X 6' JUNCTION BOX TOP (SC 719-330-00)**



Plan View

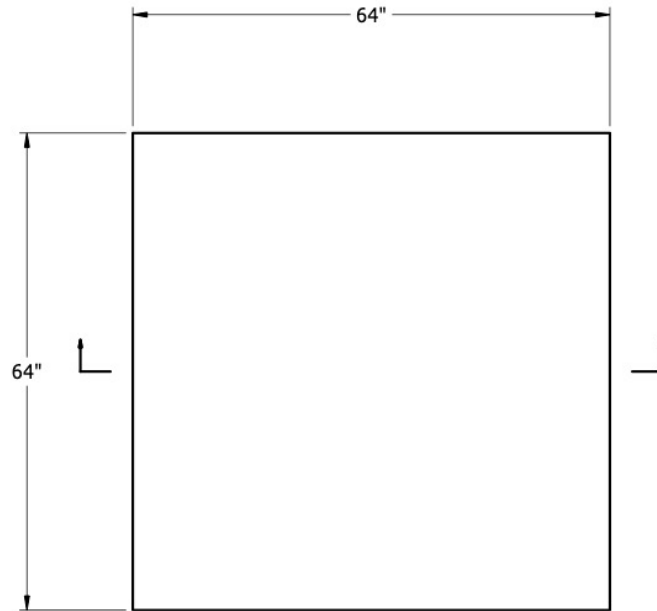


Section View

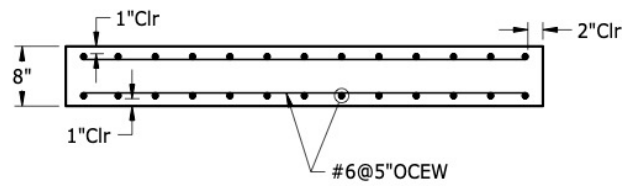
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 4' X 4' SHALLOW JUNCTION BOX TOP (64" X 64" X 8") (SC 719-330-00)



Plan View

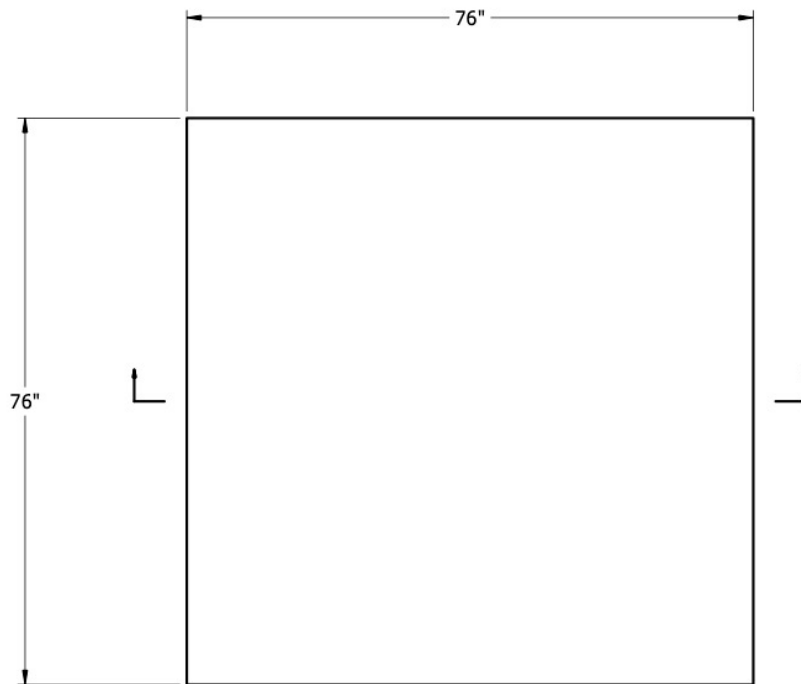


Section View

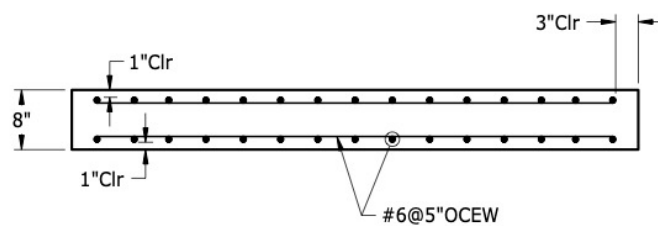
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 5' X 5' SHALLOW JUNCTION BOX TOP (76" X 76" X 8") (SC 719-330-00)



Plan View

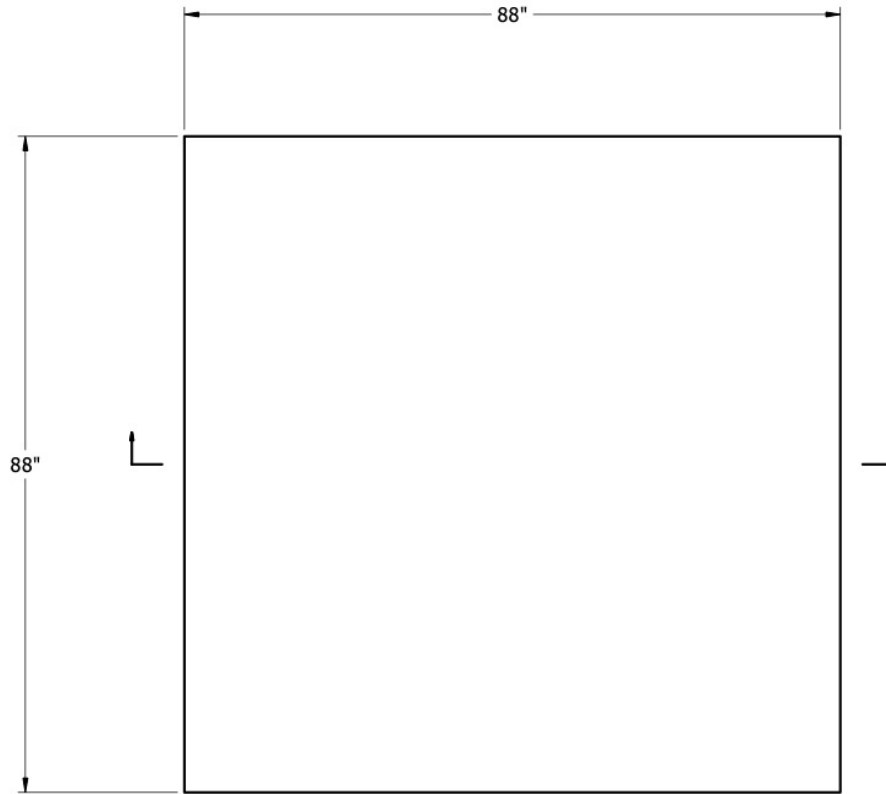


Section View

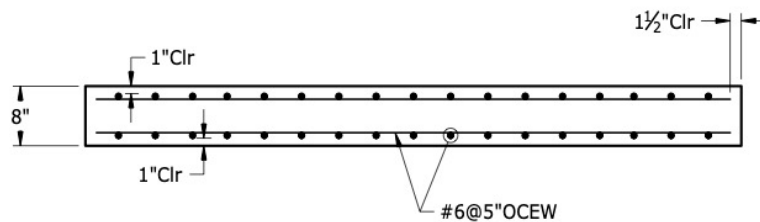
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 6' X 6' SHALLOW JUNCTION BOX TOP (88" X 88" X 8") (SC 719-330-00)



Plan View

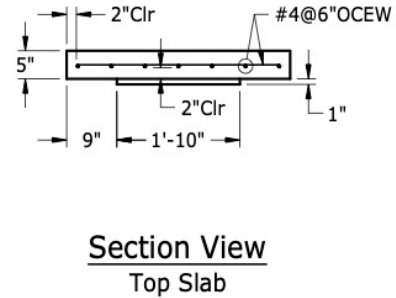
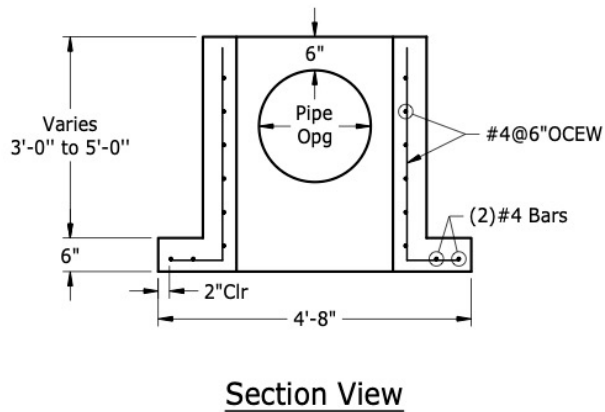
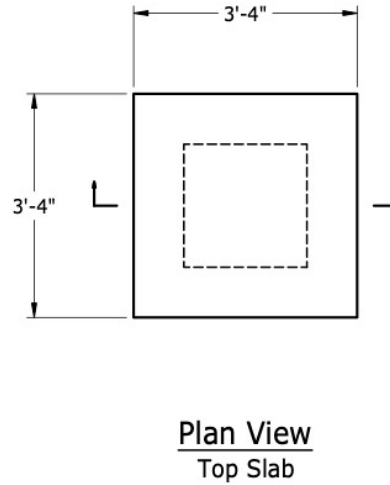
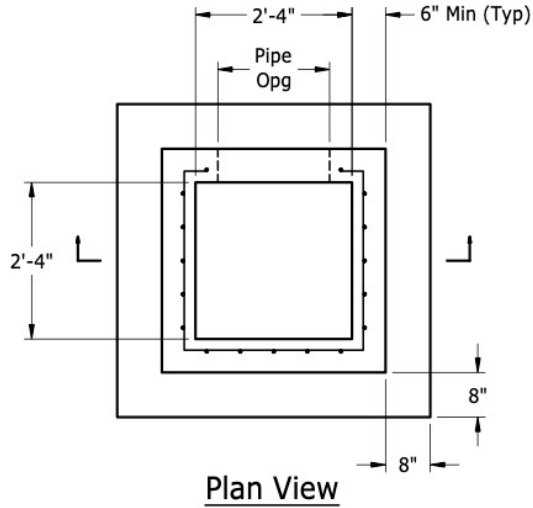


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

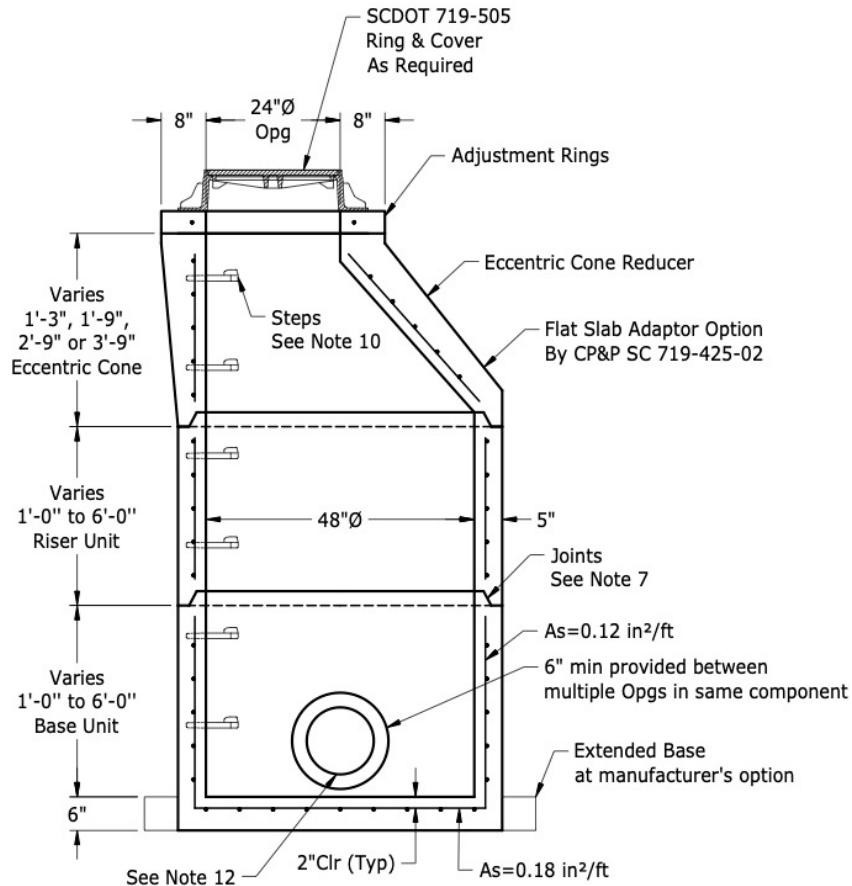
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 28" X 28" SPRING BOX WITH TOP SLAB (SC 719-335-00)**



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Refer to contract for pipe sizes, locations, and elevations. Max pipe size 18" ID.
7. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 48"Ø CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)**

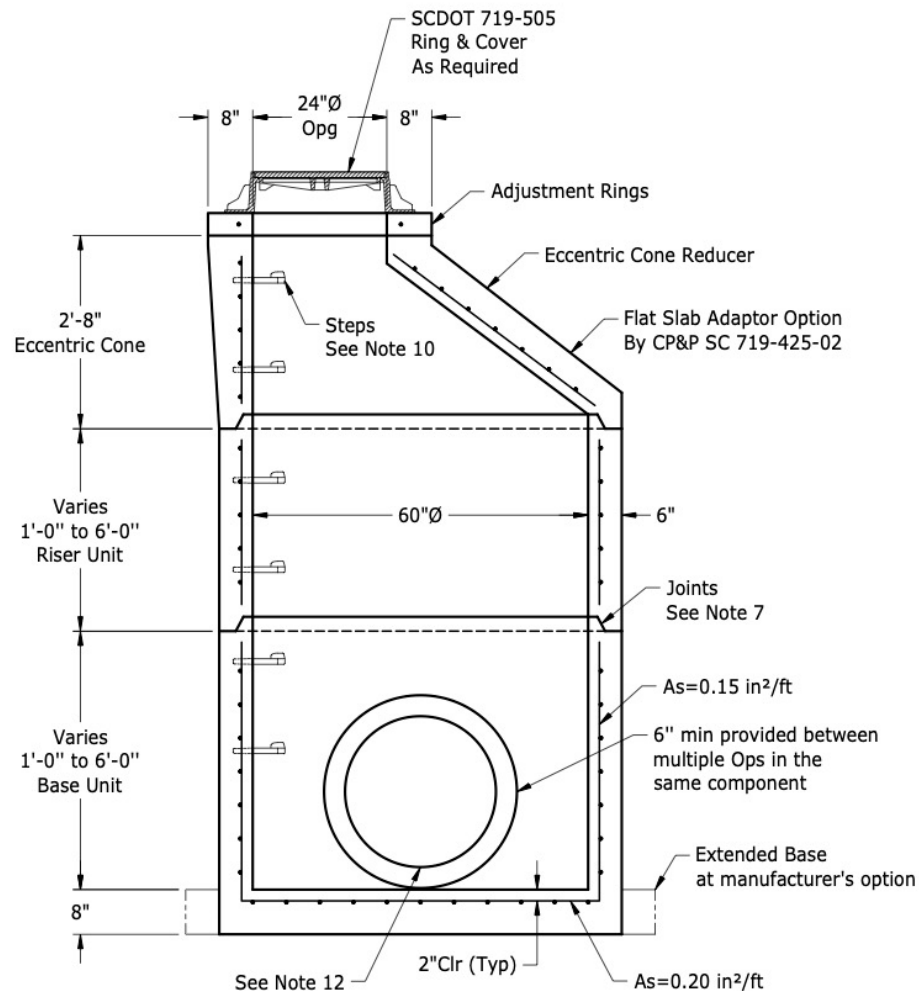


Section View

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Manhole sections meet ASTM C478 / AASHTO M199.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor or precast by CP&P.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST 60"Ø CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)



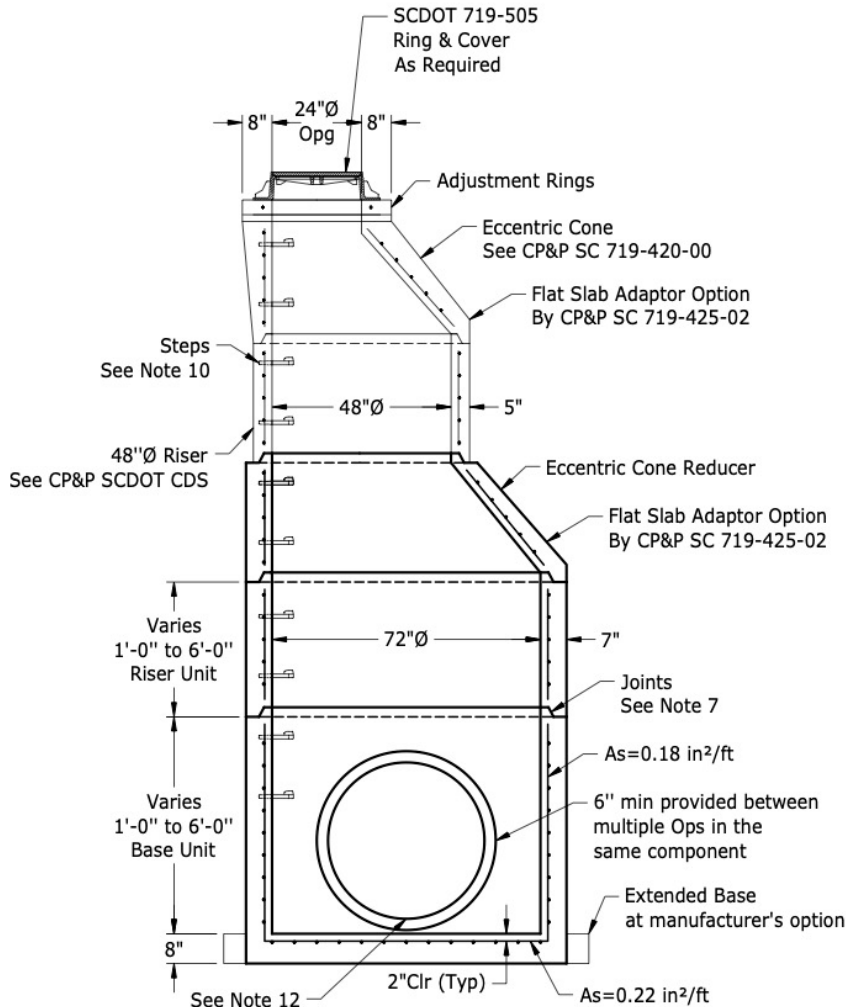
Section View

NOTES

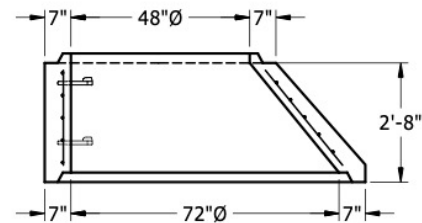
1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Manhole sections meet ASTM C478 / AASHTO M199.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor or precast by CP&P.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

PRECAST 72"Ø CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)



Section View

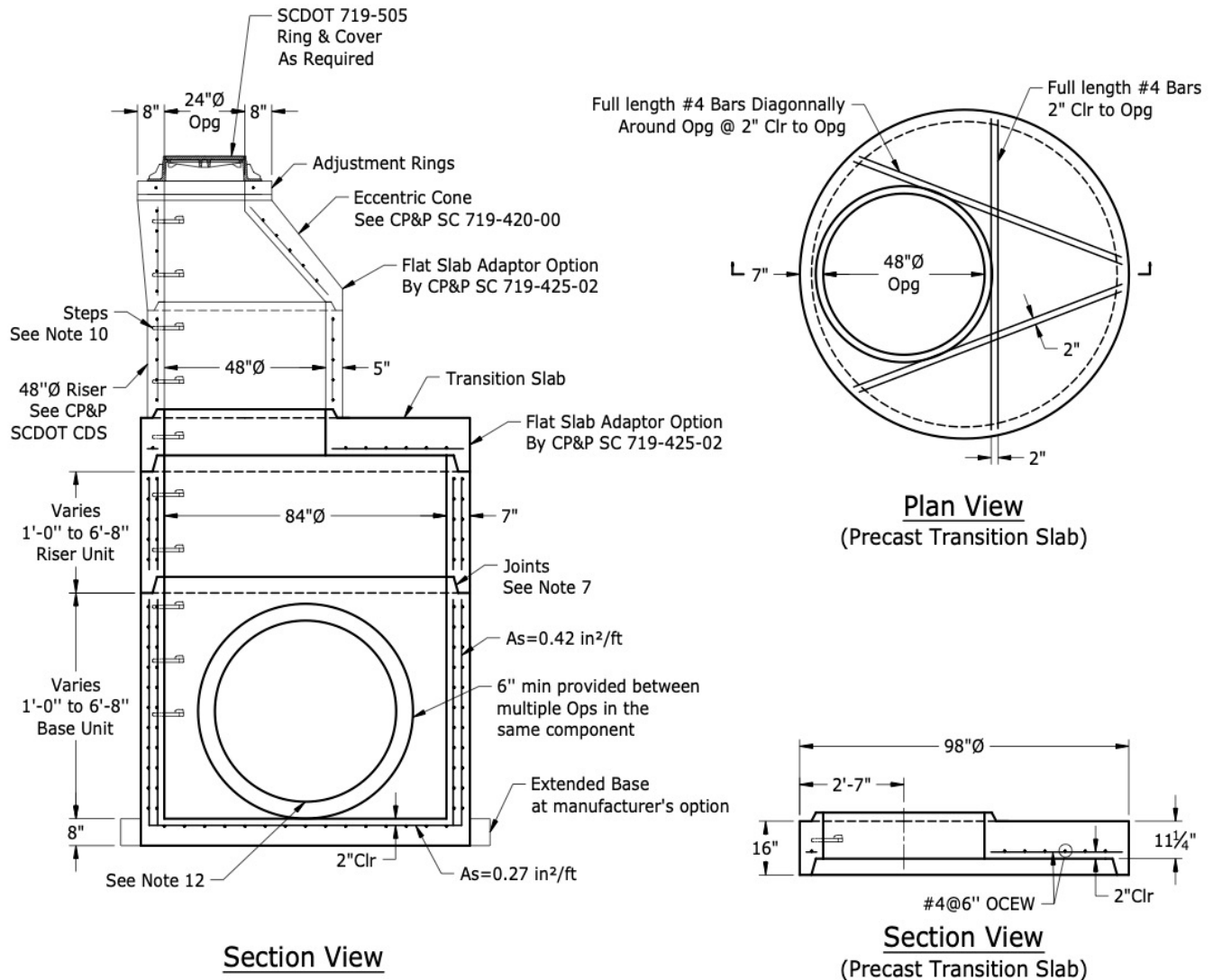


Section View
(Precast Eccentric Cone Reducer)

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Manhole sections meet ASTM C478 / AASHTO M199.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor or precast by CP&P.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION PRECAST 84"Ø CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)

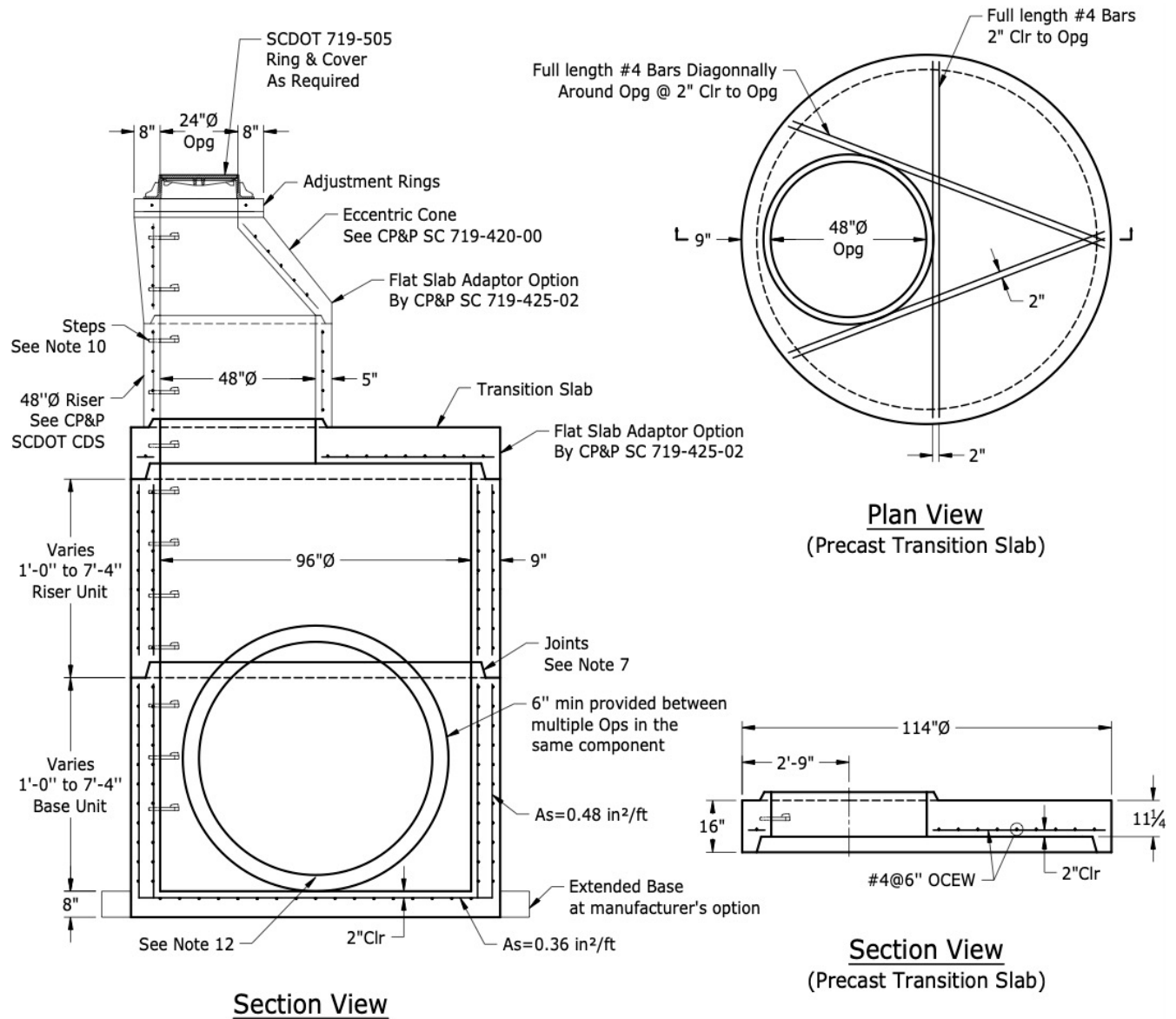


NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Manhole sections meet ASTM C478 / AASHTO M199.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

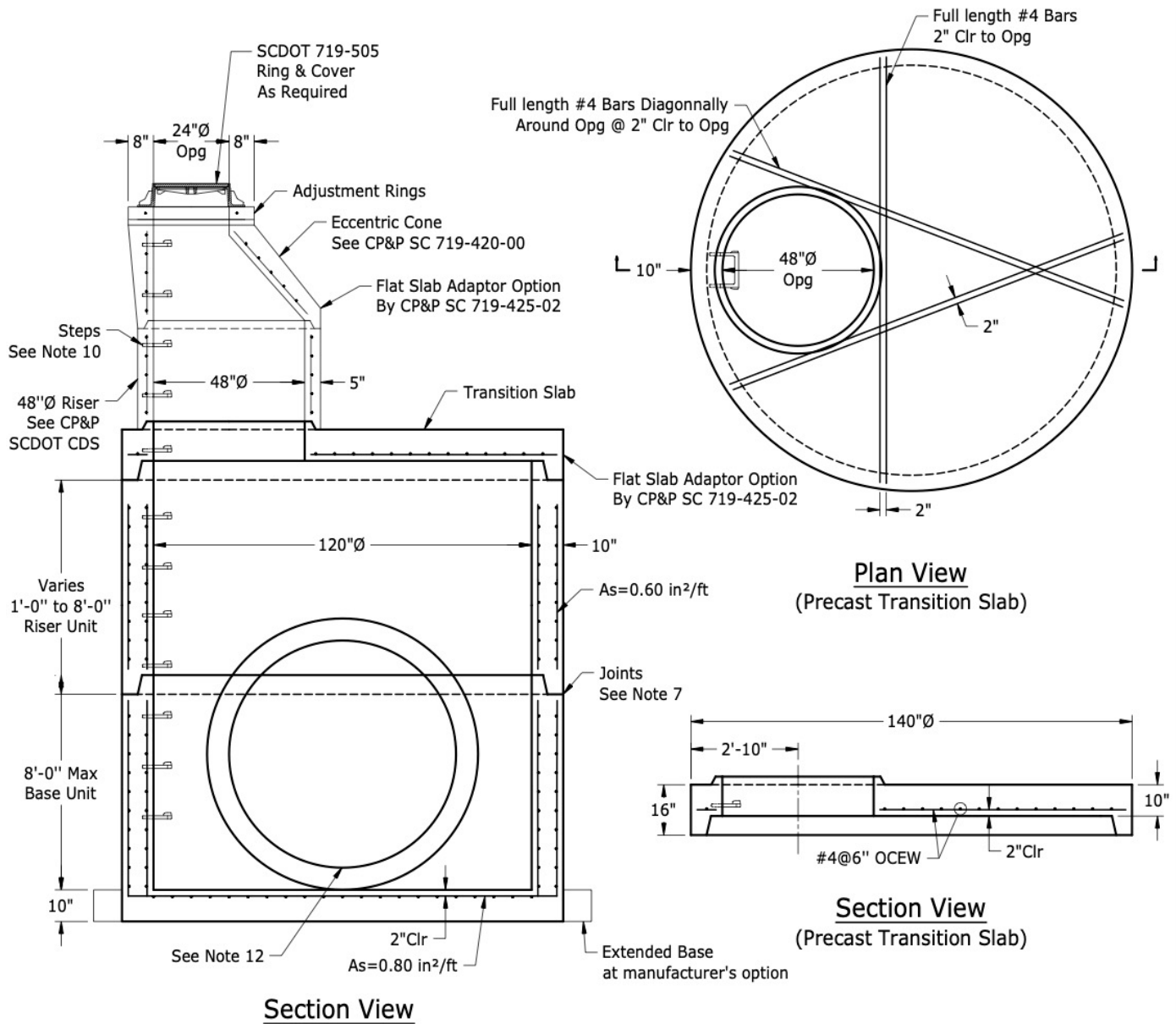
PRECAST 96"Ø CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Manhole sections meet ASTM C478 / AASHTO M199.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor

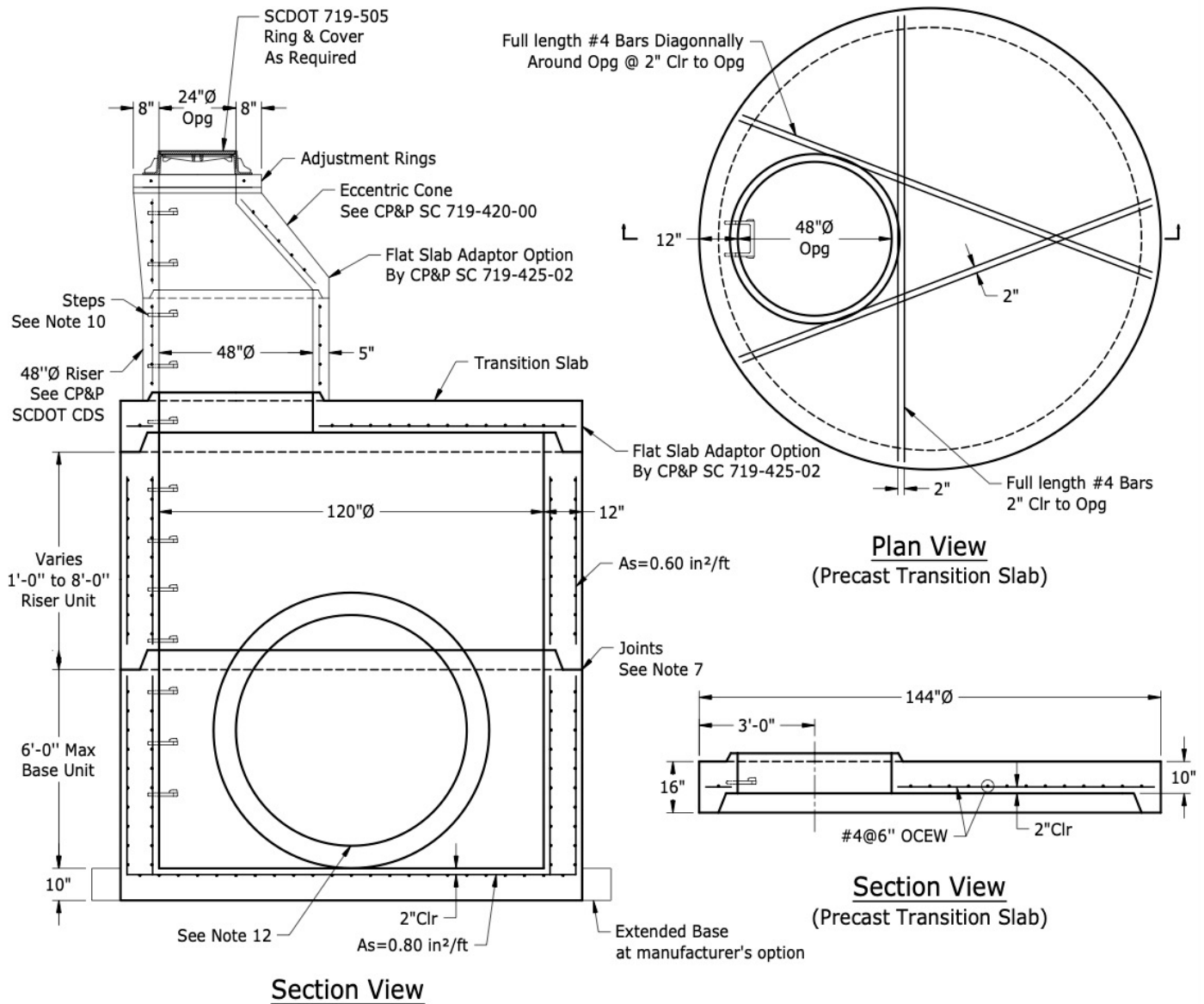
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 120"Ø (10" WALL) CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)



NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Manhole sections meet ASTM C478 / AASHTO M199.
6. Grade and slope adjustments to be completed in the field by contractor.
7. Joints per manufacturer's design, sealed in field by contractor.
8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor.

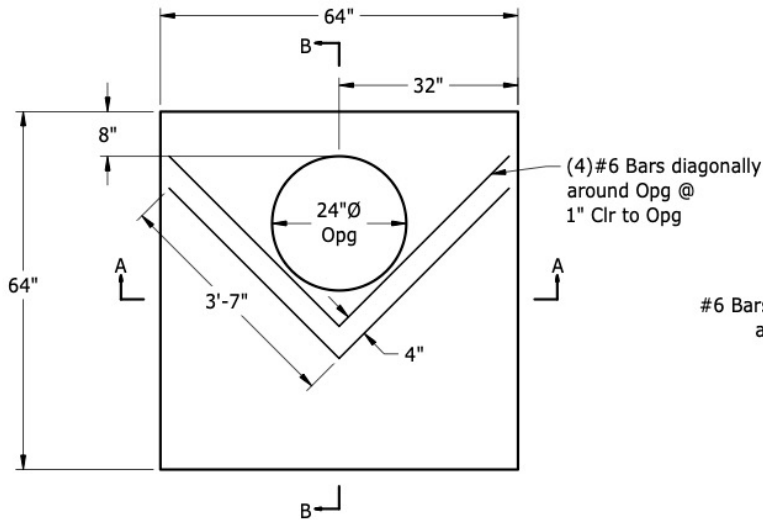
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST 120"Ø (12" WALL) CIRCULAR DRAINAGE STRUCTURE (SC 719-420-00)



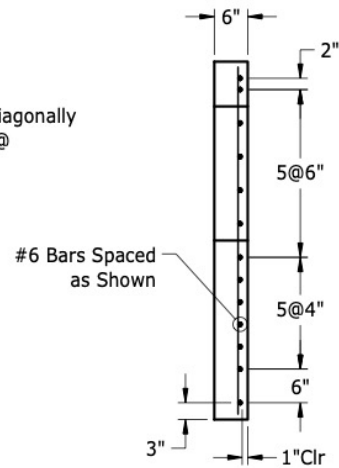
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
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8. Lift holes must be placed in accordance with OSHA requirements.
9. Refer to contract for pipe sizes, location, and elevations.
10. Steps provided @ 12"CC to 16"CC, aligned vertically for structures with depth of 4'-6" or greater.
11. Structure designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
12. Invert shaping to be constructed in field by contractor.

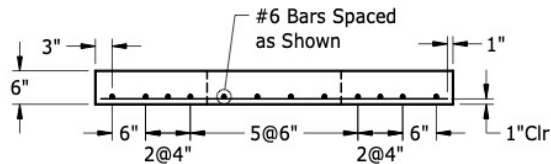
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTER FOR 48"Ø DRAINAGE
STRUCTURE (64" X 64" X 6")(SC 719-425-00)**



Plan View



Section View B-B

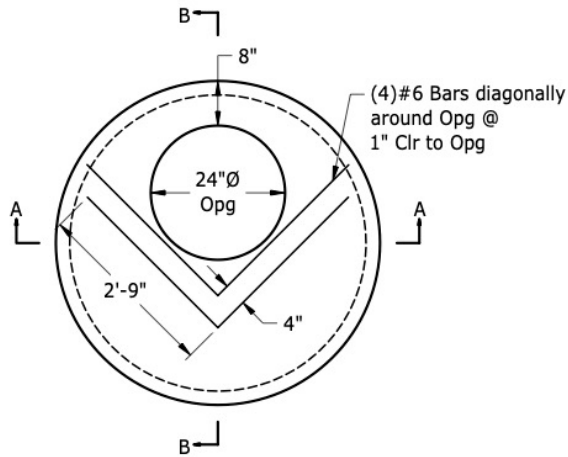


Section View A-A

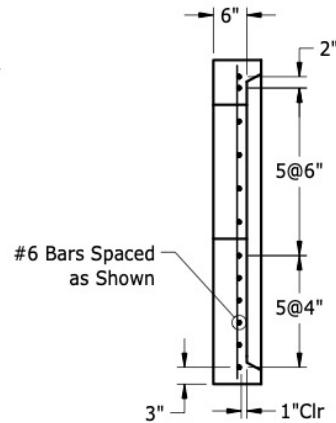
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Flat slab adaptor designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.
8. Stencil edge of slab "This end up" to indicate correct installation of slab

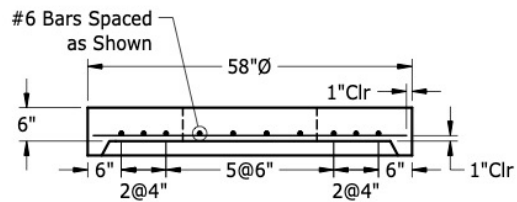
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 48"Ø DRAINAGE
STRUCTURE (58"Ø)(SC 719-425-02)**



Plan View



Section View B-B

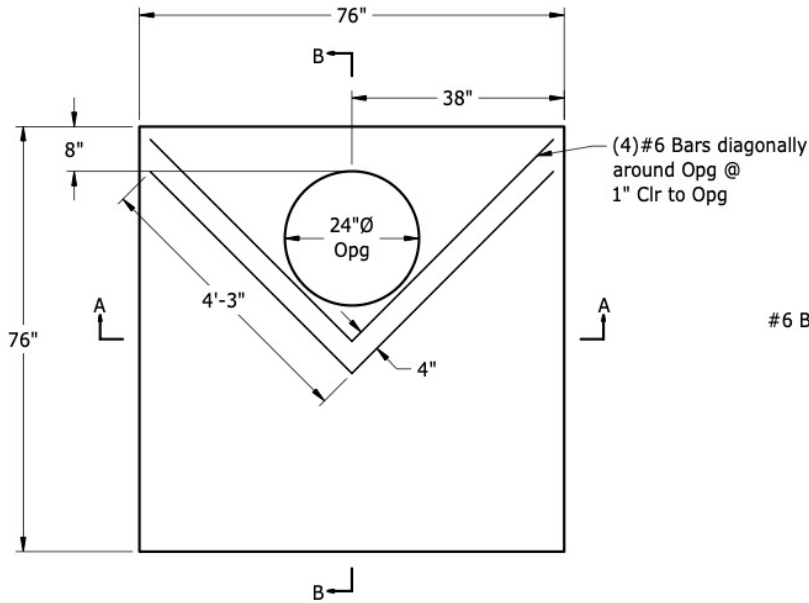


Section View A-A

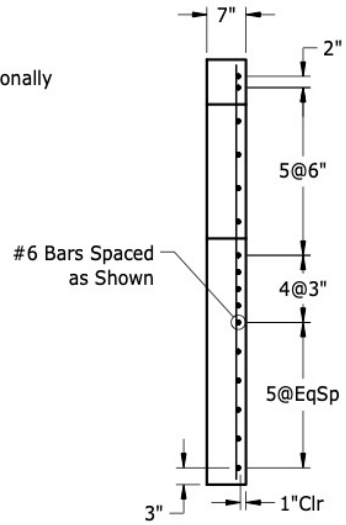
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Flat slab adaptor designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.

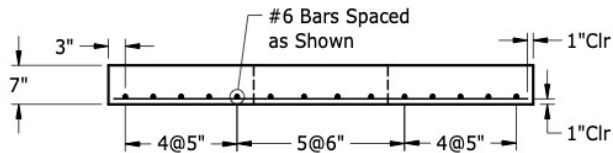
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 60"Ø DRAINAGE
STRUCTURE (76" X 76" X 7")(SC 719-425-00)**



Plan View



Section View B-B

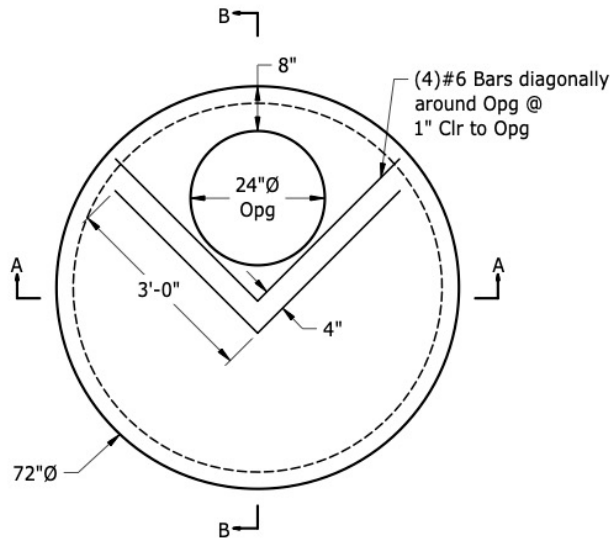


Section View A-A

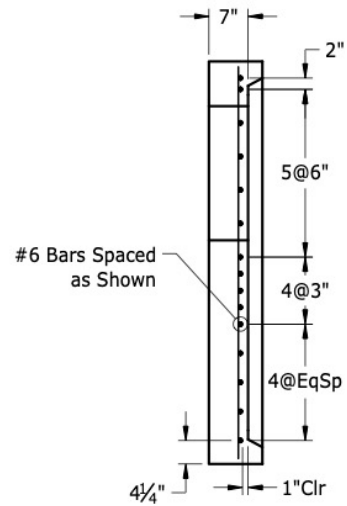
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Flat slab adaptor designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.
8. Stencil edge of slab "This end up" to indicate correct installation of slab.

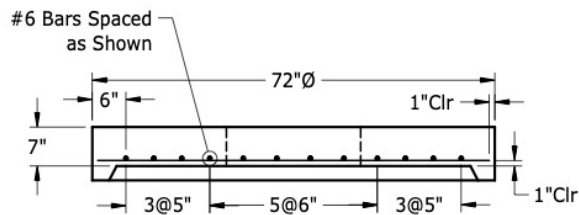
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 60"Ø DRAINAGE
STRUCTURE (72"Ø)(SC 719-425-02)**



Plan View



Section View B-B

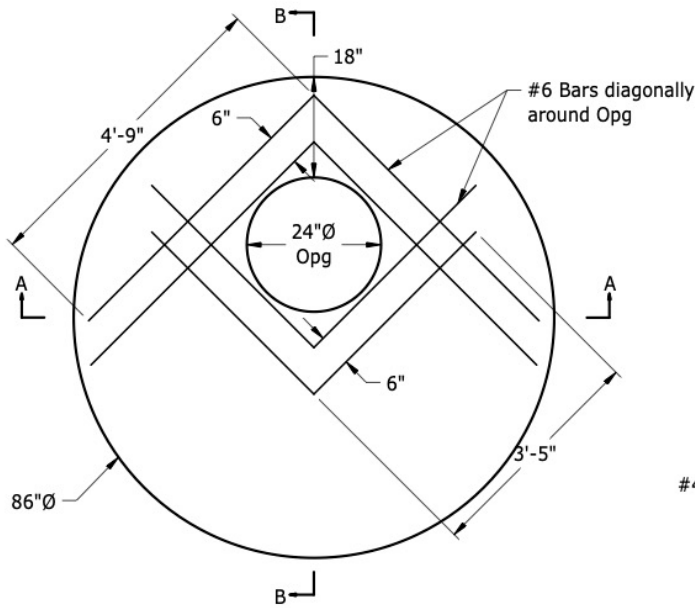


Section View A-A

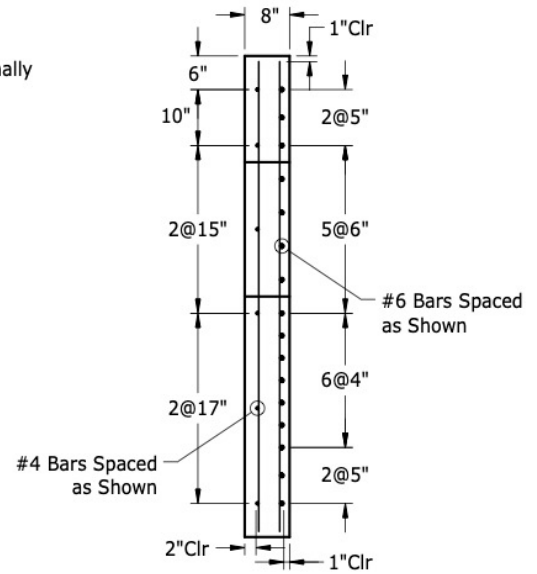
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Flat slab adaptor designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.

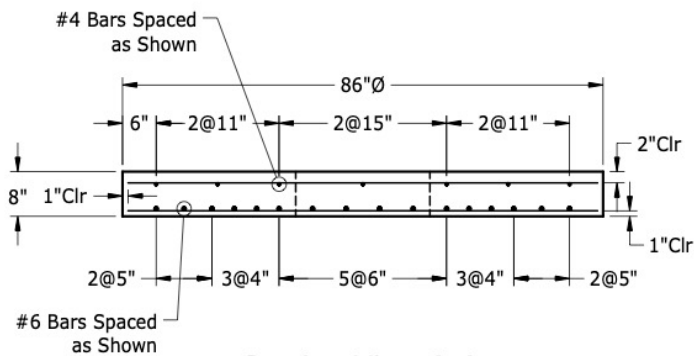
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 72"Ø DRAINAGE
STRUCTURE (86"Ø)(SC 719-425-00)**



Plan View



Section View B-B

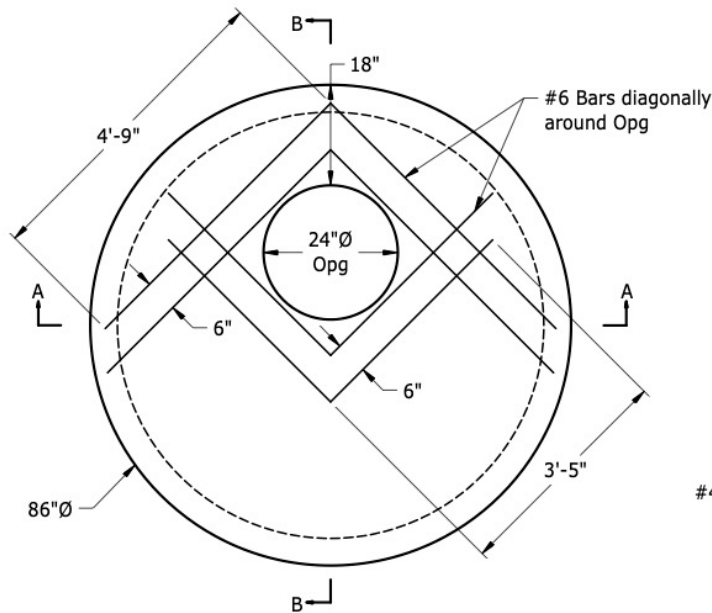


Section View A-A

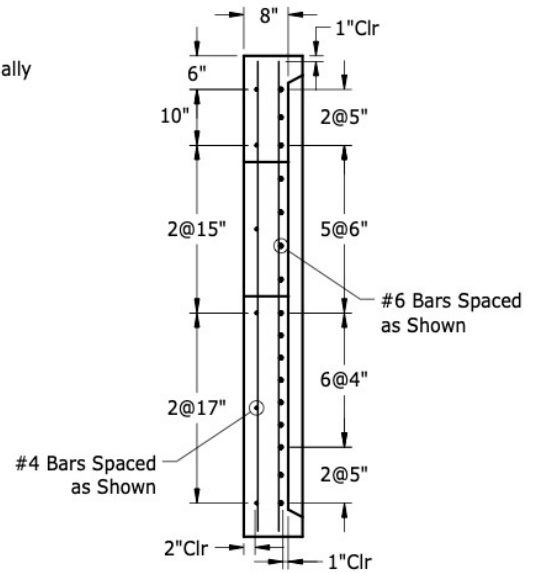
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
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4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
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7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.
8. Stencil edge of slab "This end up" to indicate correct installation of slab.

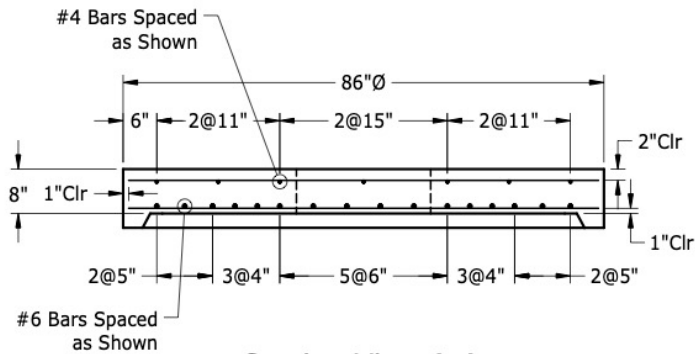
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 72"Ø DRAINAGE
STRUCTURE (86"Ø)(SC 719-425-02)**



Plan View



Section View B-B

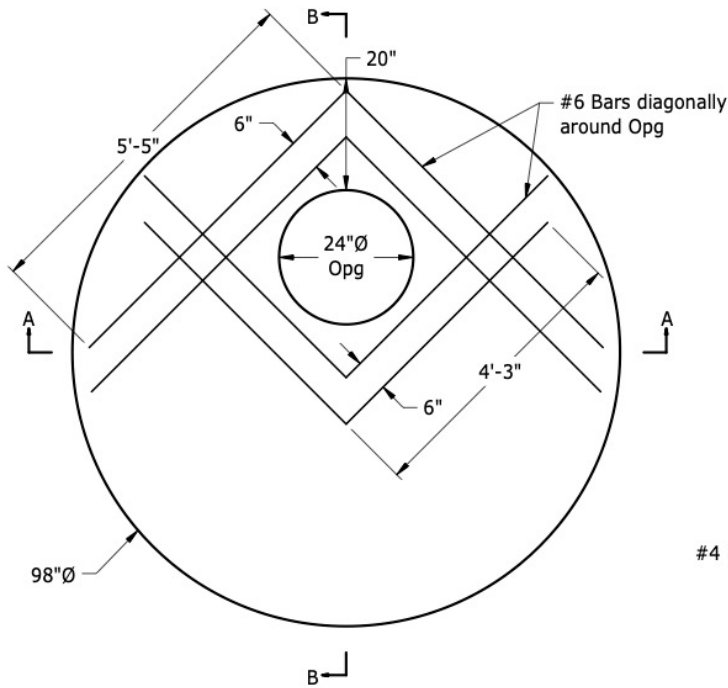


Section View A-A

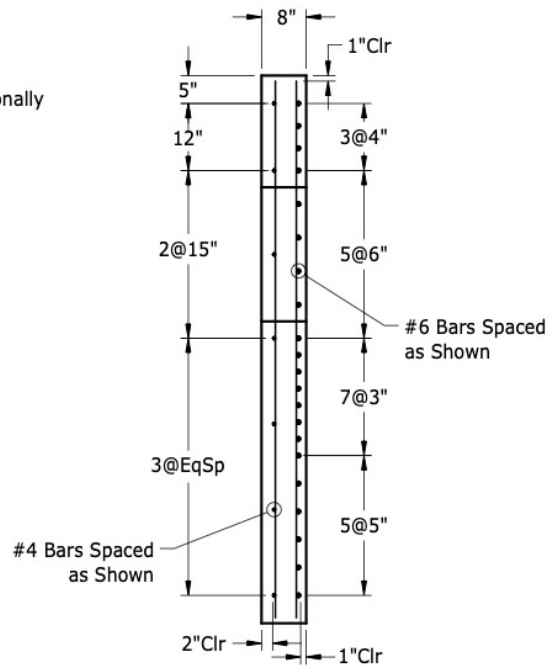
NOTES

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2. Concrete compressive strength: 4,000 psi min.
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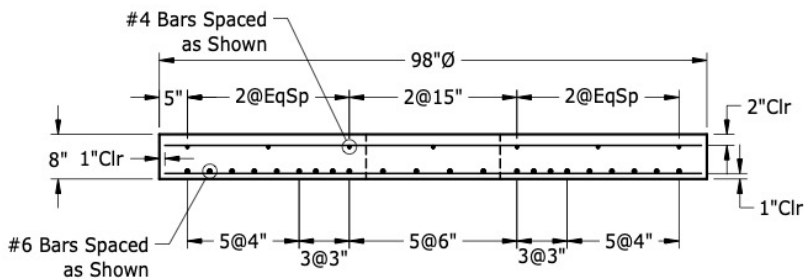
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 84"Ø DRAINAGE
STRUCTURE (98"Ø)(SC 719-425-00)**



Plan View



Section View B-B



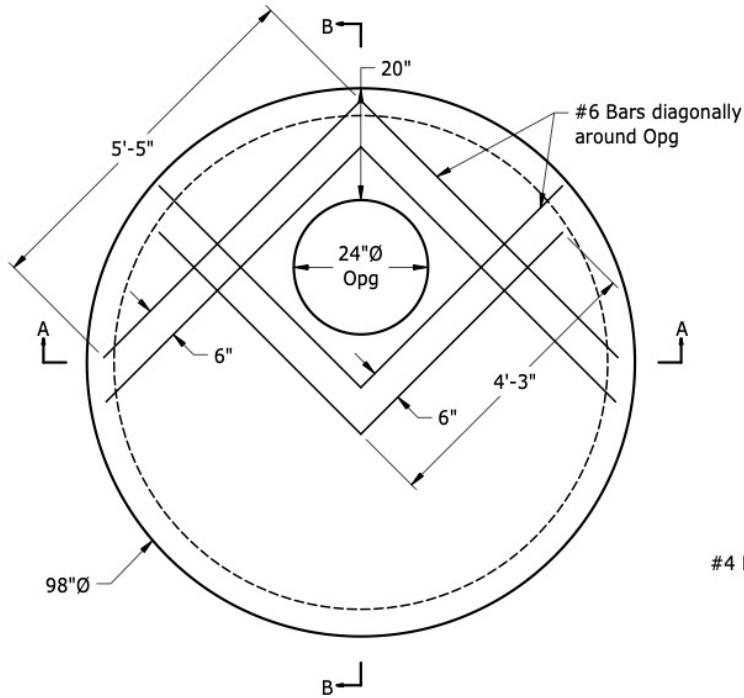
Section View A-A

Notes:

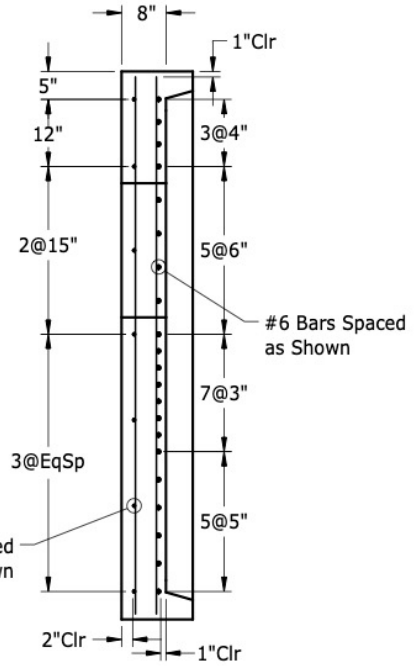
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
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7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.
8. Stencil edge of slab "This end up" to indicate correct installation of slab.

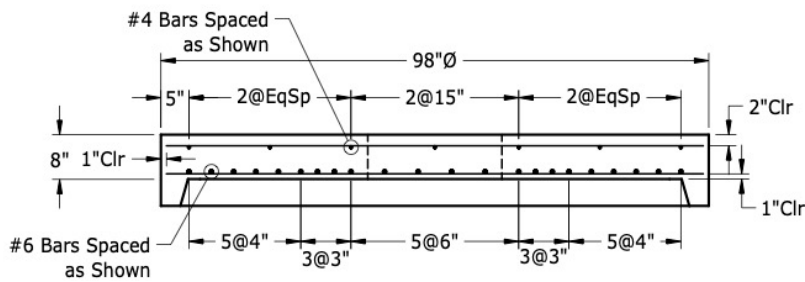
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 84"Ø DRAINAGE
STRUCTURE (98"Ø)(SC 719-425-02)**



Plan View



Section View B-B

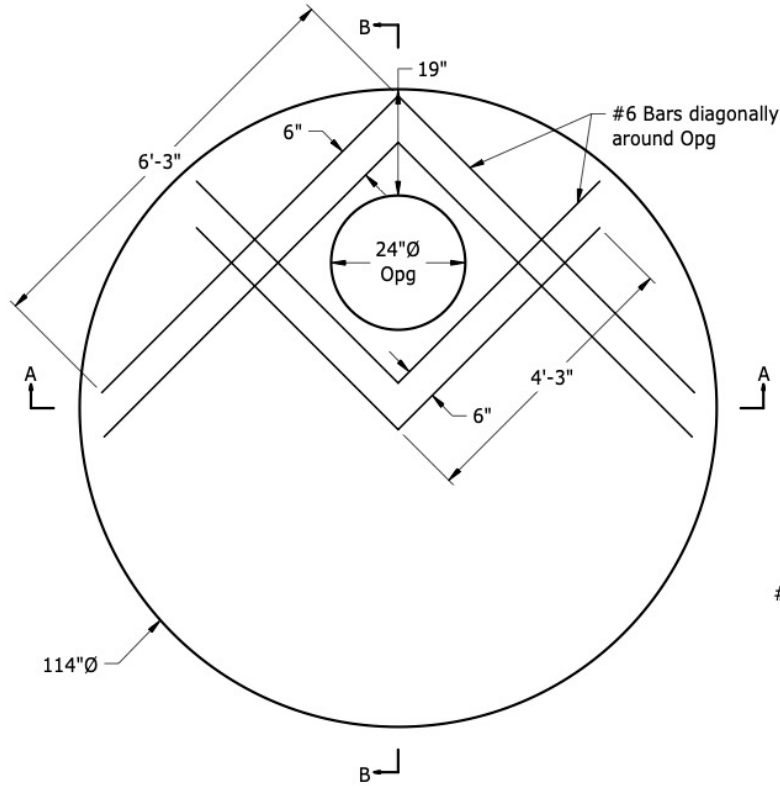


Section View A-A

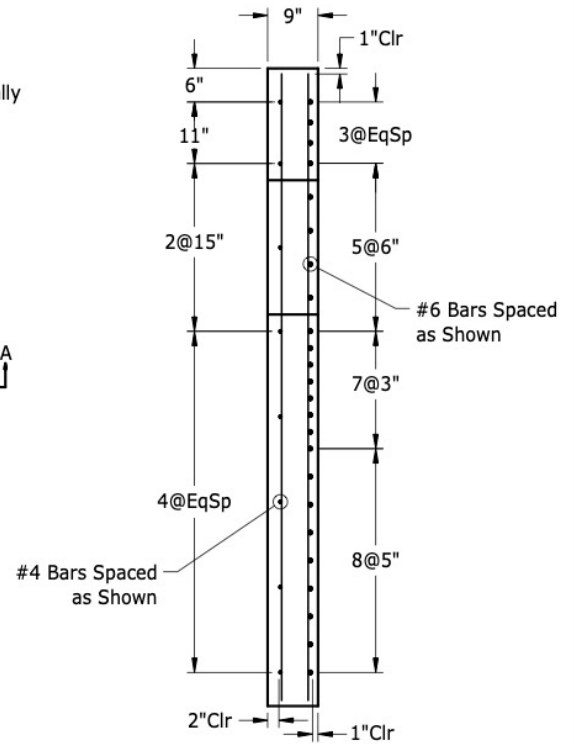
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
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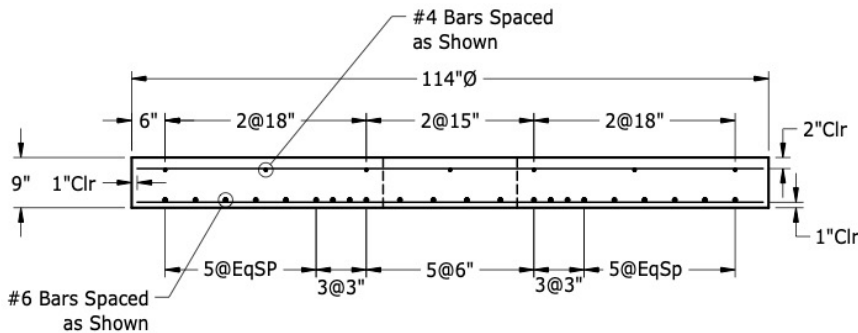
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 96"Ø DRAINAGE
STRUCTURE (114"Ø)(SC 719-425-00)**



Plan View



Section View B-B

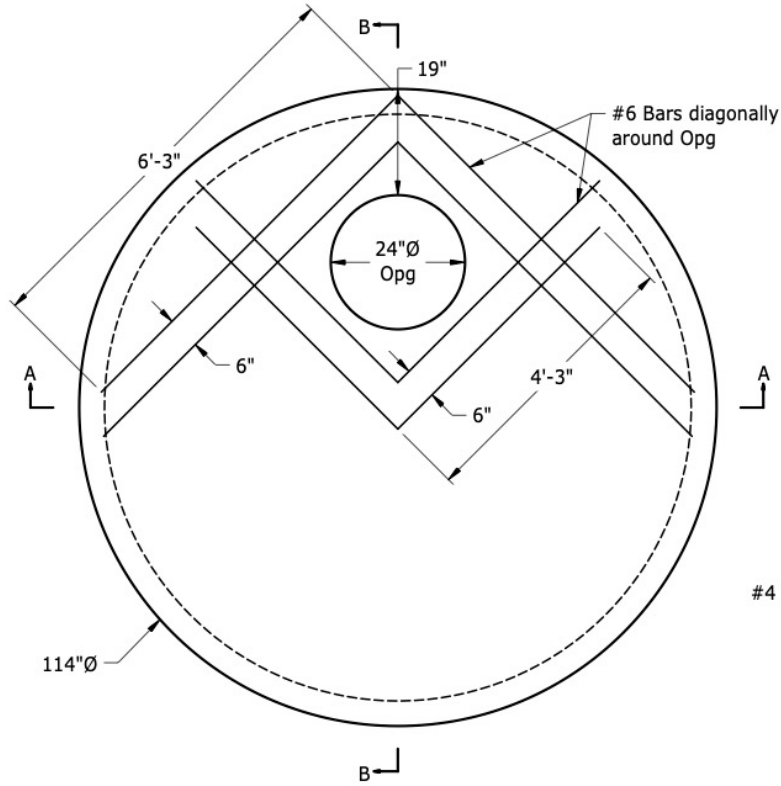


Section View A-A

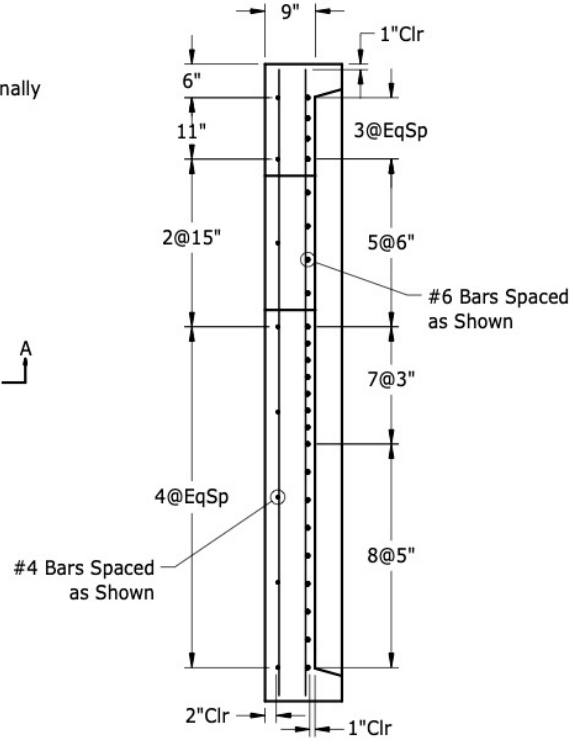
NOTES

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2. Concrete compressive strength: 4,000 psi min.
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8. Stencil edge of slab "This end up" to indicate correct installation of slab

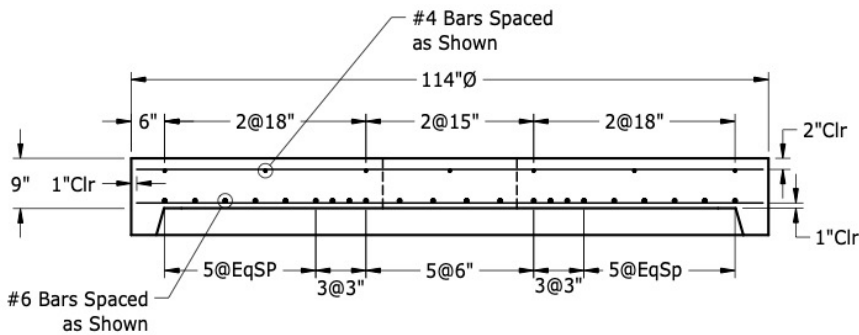
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 96"Ø DRAINAGE
STRUCTURE (114"Ø)(SC 719-425-02)**



Plan View



Section View B-B

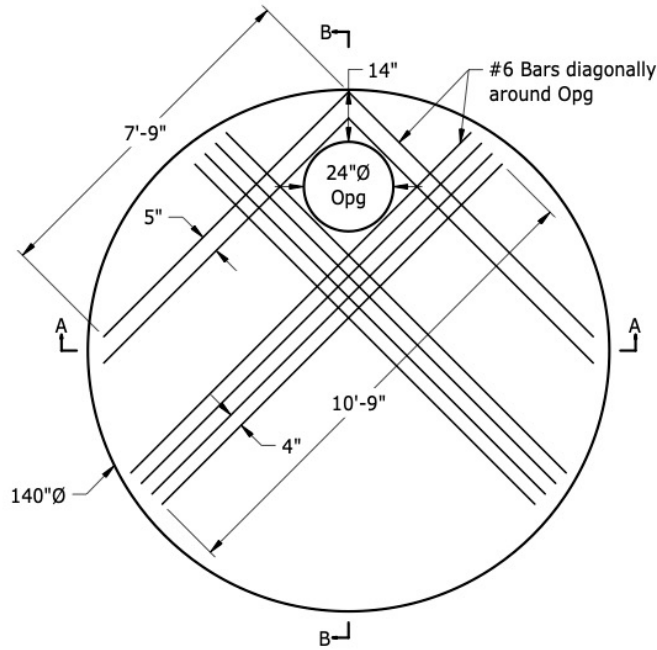


Section View A-A

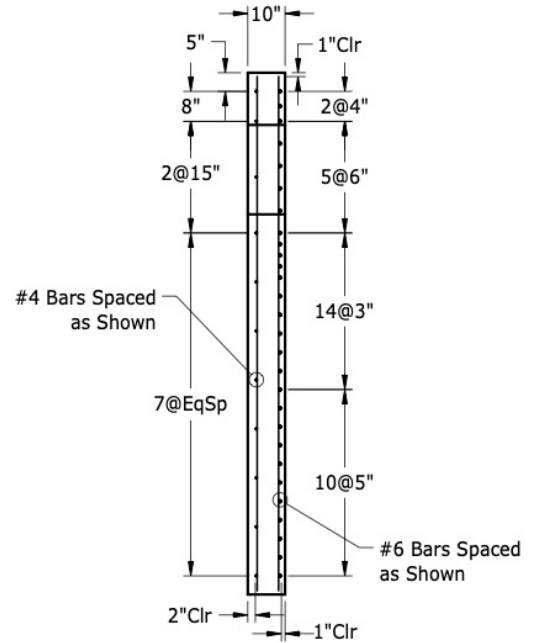
NOTES

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2. Concrete compressive strength: 4,000 psi min.
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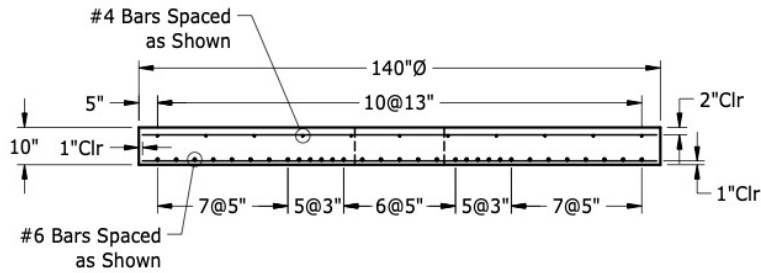
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 120"Ø (10" WALL) DRAINAGE
STRUCTURE (140"Ø)(SC 719-425-00)**



Plan View



Section View B-B

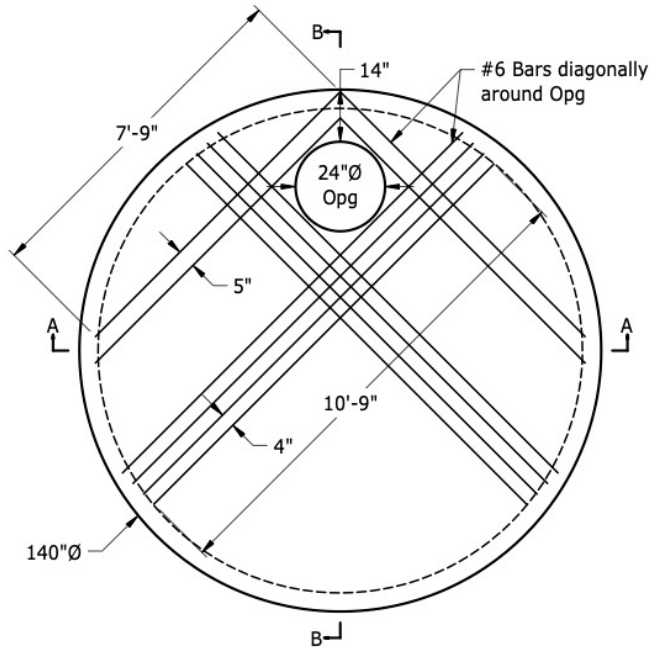


Section View A-A

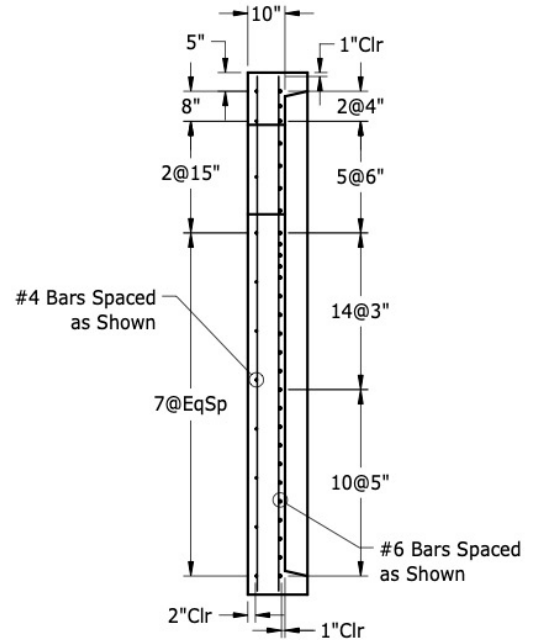
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8. Stencil edge of slab "This end up" to indicate correct installation of slab

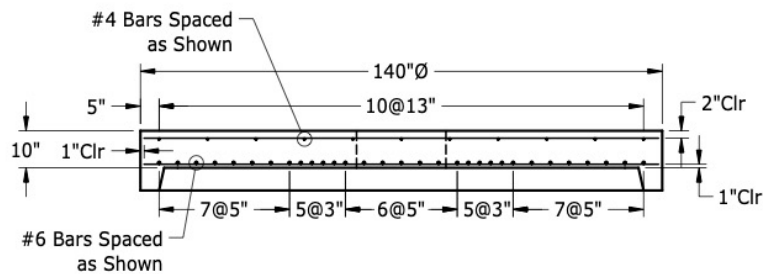
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 120"Ø (10" WALL) DRAINAGE
STRUCTURE (140"Ø)(SC 719-425-02)**



Plan View



Section View B-B

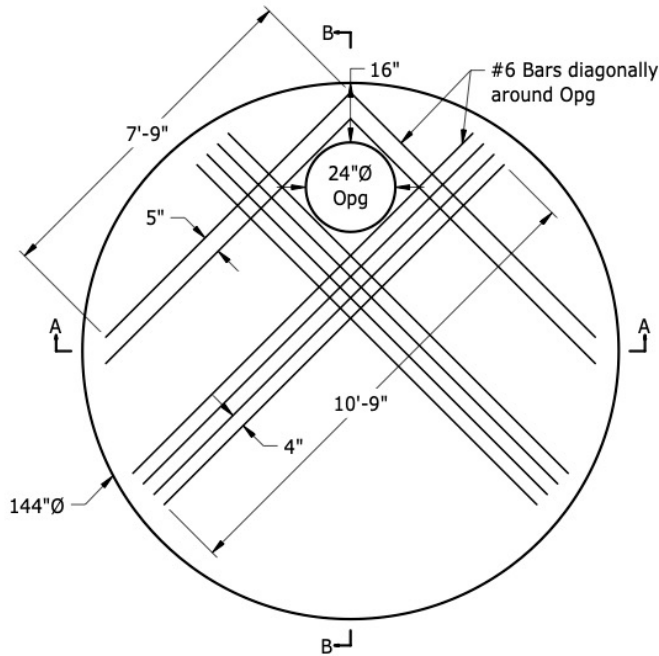


Section View A-A

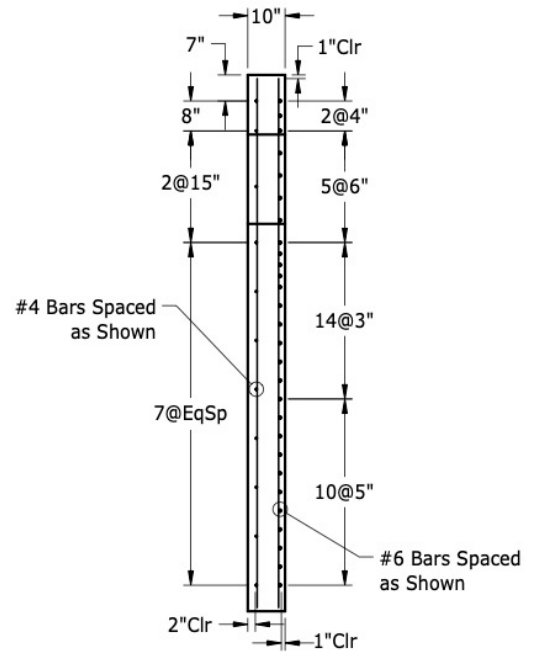
NOTES

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2. Concrete compressive strength: 4,000 psi min.
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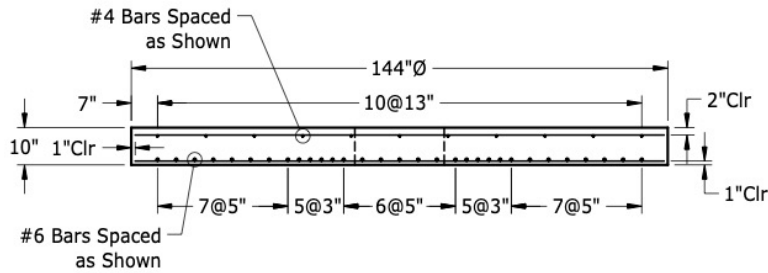
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 120"Ø (12" WALL) DRAINAGE
STRUCTURE (144"Ø)(SC 719-425-00)**



Plan View



Section View B-B

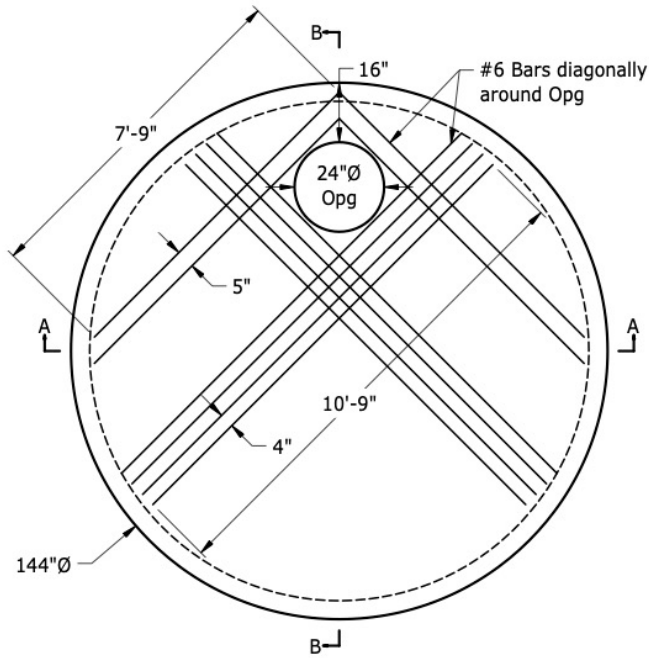


Section View A-A

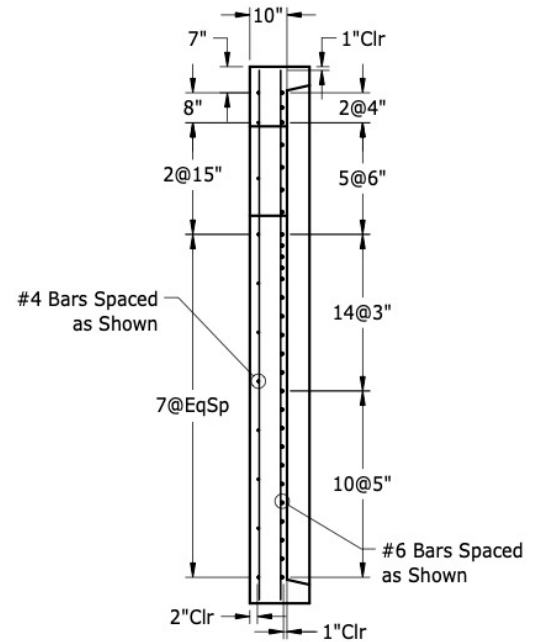
NOTES

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2. Concrete compressive strength: 4,000 psi min.
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7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.
8. Stencil edge of slab "This end up" to indicate correct installation of slab

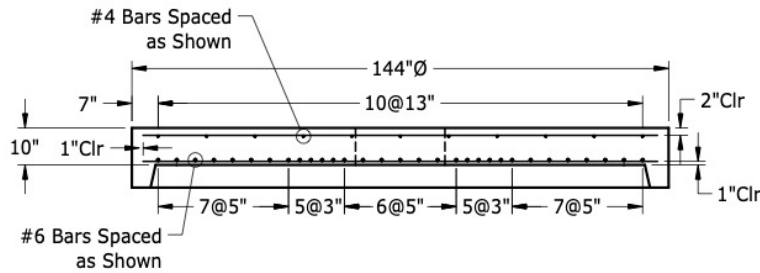
**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST FLAT SLAB ADAPTOR FOR 120"Ø (12" WALL) DRAINAGE
STRUCTURE (144"Ø)(SC 719-425-02)**



Plan View



Section View B-B

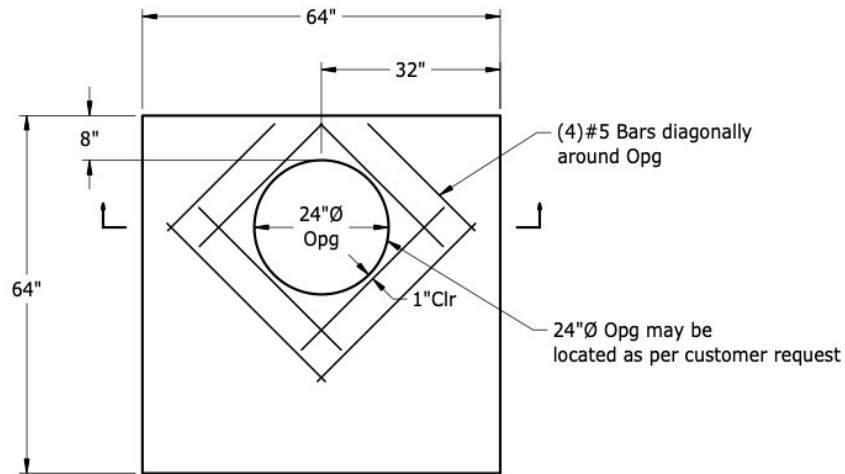


Section View A-A

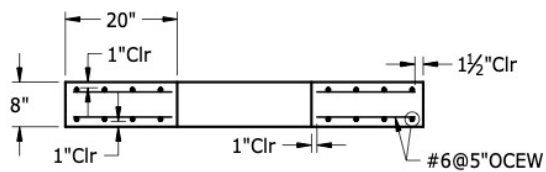
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Flat slab adaptor designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.
7. Flat slab adaptors are to be used between circular drainage bases and drainage boxes and shall not be used as box lids or in any other application.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST MANHOLE INLET ADAPTOR FOR 4' X 4' BOX (64" X 64" X 8") (SC 719-505-00)



Plan View

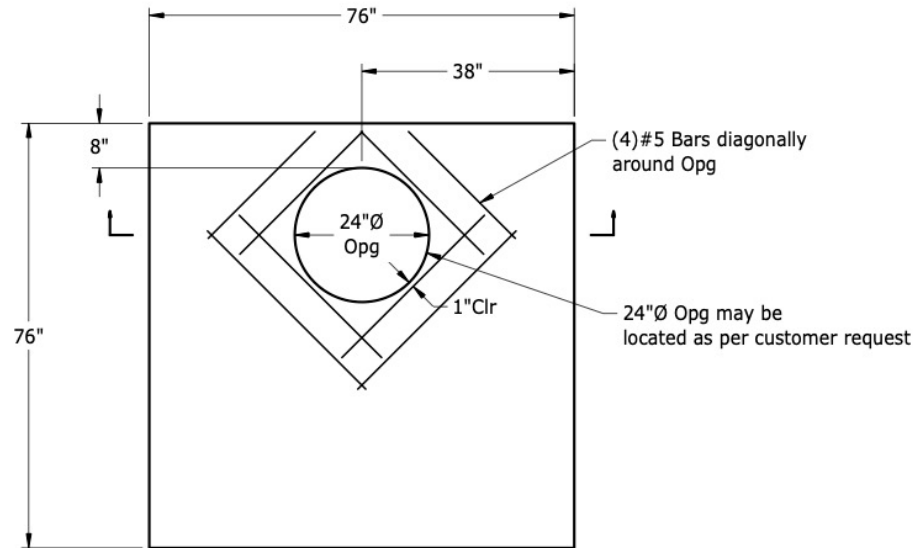


Section View

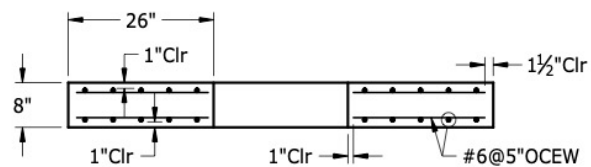
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Adapter slab designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST MANHOLE INLET ADAPTOR FOR 5' X 5' BOX (76" X 76" X 8") (SC 719-505-00)



Plan View

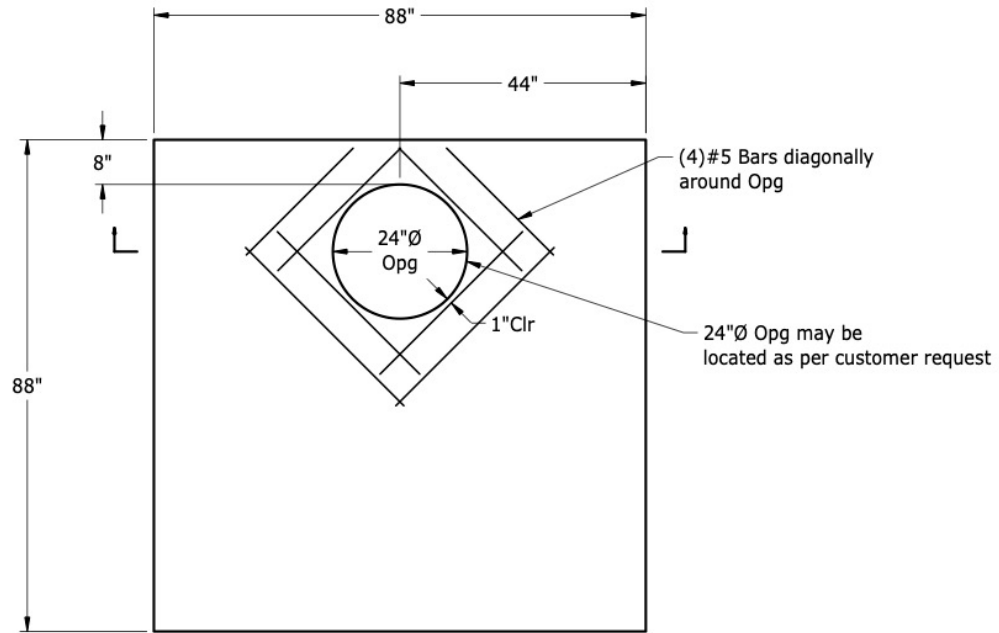


Section View

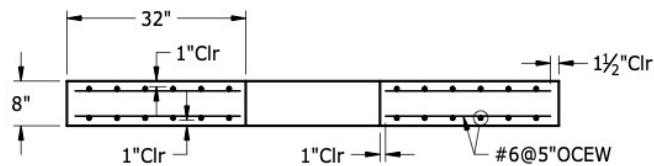
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST MANHOLE INLET ADAPTOR FOR 6' X 6' BOX (88" X 88" X 88")(SC 719-505-00)



Plan View

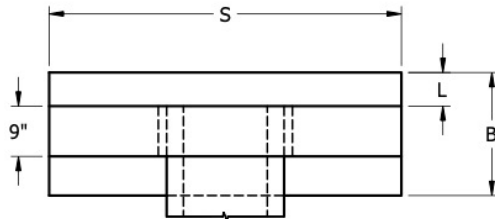


Section View

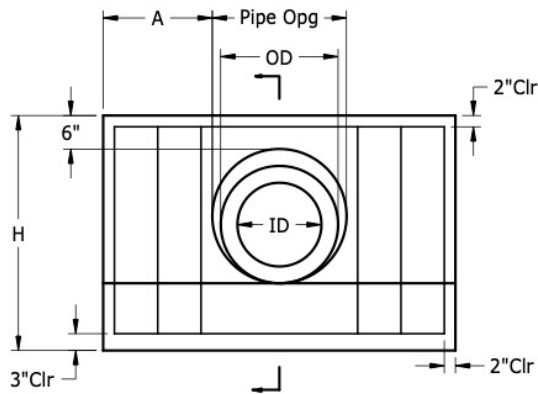
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete compressive strength: 4,000 psi min.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Top designed for HL-93 (HS-20) loading, according to AASHTO LRFD Bridge design Specifications.

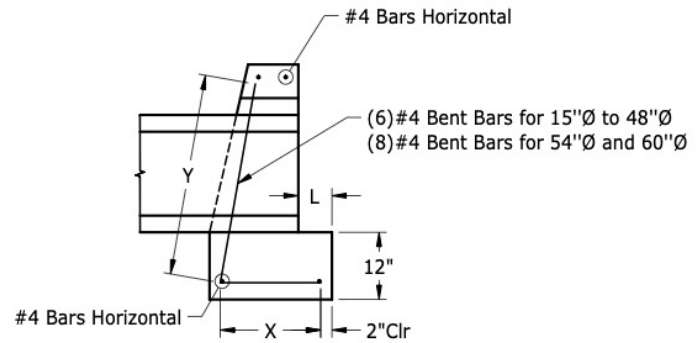
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST STRAIGHT HEADWALL SINGLE PIPE 15" TO 60"Ø (SC 719-505-00)



Plan View



Elevation View



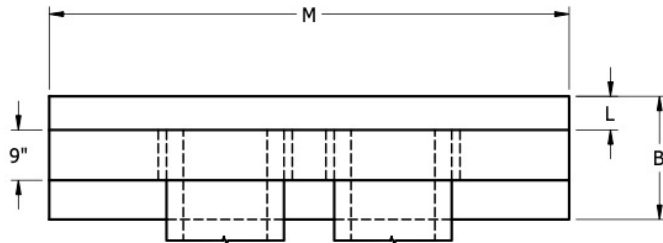
Section View

Pipe Ø	Dimensions								
ID	Max OD	Pipe Opg	A	B	H	L	S	X	Y
15"	21"	24"	1' - 7½"	1' - 11"	3' - 6"	0' - 6"	5' - 3"	1' - 6"	3' - 0"
18"	24½"	28"	1' - 7"	1' - 11"	3' - 10"	0' - 6"	5' - 6"	1' - 7"	3' - 3"
24"	31½"	34"	1' - 7"	2' - 0"	4' - 4"	0' - 6"	6' - 0"	1' - 8"	3' - 9"
30"	38½"	42"	1' - 6"	2' - 2"	5' - 0"	0' - 6"	6' - 6"	1' - 10"	4' - 3"
36"	45½"	49"	1' - 5½"	2' - 3"	5' - 7"	0' - 6"	7' - 0"	1' - 11"	4' - 9"
42"	52½"	56"	1' - 11"	2' - 5"	6' - 2"	0' - 6"	8' - 6"	2' - 1"	5' - 4"
48"	59½"	64"	1' - 10"	3' - 0"	6' - 10"	1' - 0"	9' - 0"	2' - 8"	5' - 10"
54"	66½"	71"	2' - 3½"	3' - 2"	7' - 5"	1' - 0"	10' - 6"	2' - 10"	6' - 4"
60"	73½"	78"	2' - 3"	3' - 3"	8' - 0"	1' - 0"	11' - 0"	2' - 11"	6' - 10"

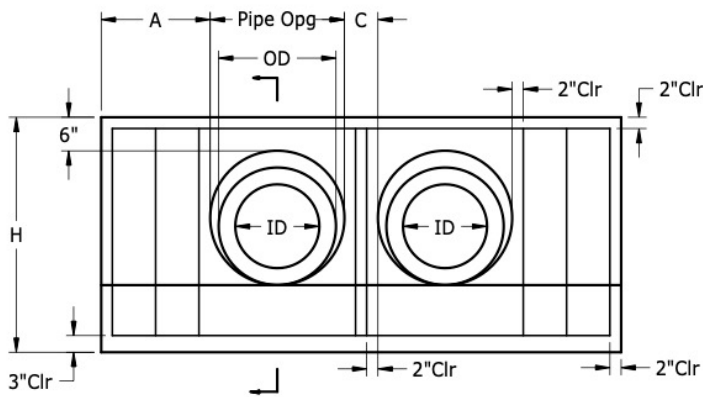
NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete to be 5,000 psi.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Lift holes and annular space between pipe and hole to be filled with an approved non-shrink grout.

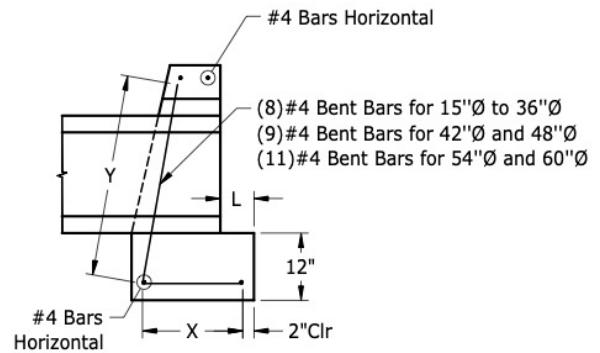
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRECAST STRAIGHT HEADWALL MULTIPLE PIPE 15" TO 60"Ø (SC 719-605-00)



Plan View



Elevation View



Section View

Pipe Ø	Dimensions									
ID	Max OD	Pipe Opg	A	B	C	H	L	M	X	Y
15"	21"	24"	1' - 7½"	1' - 11"	0' - 6"	3' - 6"	0' - 6"	7' - 9"	1' - 6"	3' - 0"
18"	24½"	28"	1' - 7"	1' - 11"	0' - 8"	3' - 10"	0' - 6"	8' - 6"	1' - 7"	3' - 3"
24"	31½"	34"	1' - 7"	2' - 0"	0' - 8"	4' - 4"	0' - 6"	9' - 6"	1' - 8"	3' - 9"
30"	38½"	42"	1' - 6"	2' - 2"	1' - 0"	5' - 0"	0' - 6"	11' - 0"	1' - 10"	4' - 3"
36"	45½"	49"	1' - 5½"	2' - 3"	0' - 11"	5' - 7"	0' - 6"	12' - 0"	1' - 11"	4' - 9"
42"	52½"	56"	1' - 11"	2' - 5"	1' - 4"	6' - 2"	0' - 6"	14' - 6"	2' - 1"	5' - 4"
48"	59½"	64"	1' - 10"	3' - 0"	1' - 2"	6' - 10"	1' - 0"	15' - 6"	2' - 8"	5' - 10"
54"	66½"	71"	2' - 3½"	3' - 2"	1' - 7"	7' - 5"	1' - 0"	18' - 0"	2' - 10"	6' - 4"
60"	73½"	78"	2' - 3"	3' - 3"	1' - 6"	8' - 0"	1' - 0"	19' - 0"	2' - 11"	6' - 10"

NOTES

1. This design is intended for precast structures produced by CP&P only.
2. Concrete to be 5,000 psi.
3. Bar reinforcement conforms to ASTM A706, Grade 60 min. WWR reinforcement conforms to ASTM A1064, Grade 65 min.
4. WWR of equivalent area may be used for reinforcing shown, at manufacturer's option.
5. Lift holes placement in accordance with OSHA requirements.
6. Lift holes and annular space between pipe and hole to be filled with an approved non-shrink grout.



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