

A

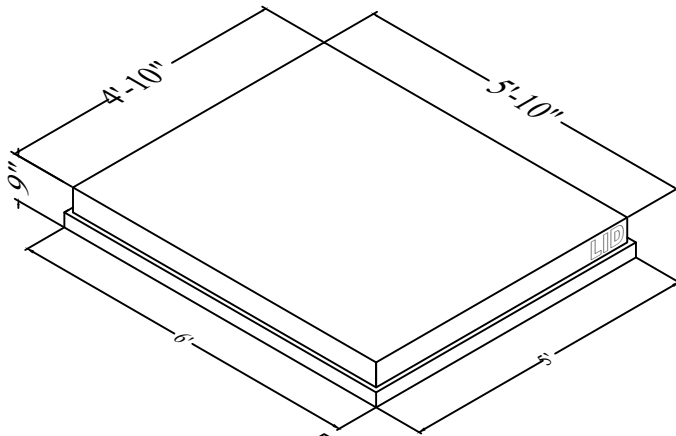
B

C

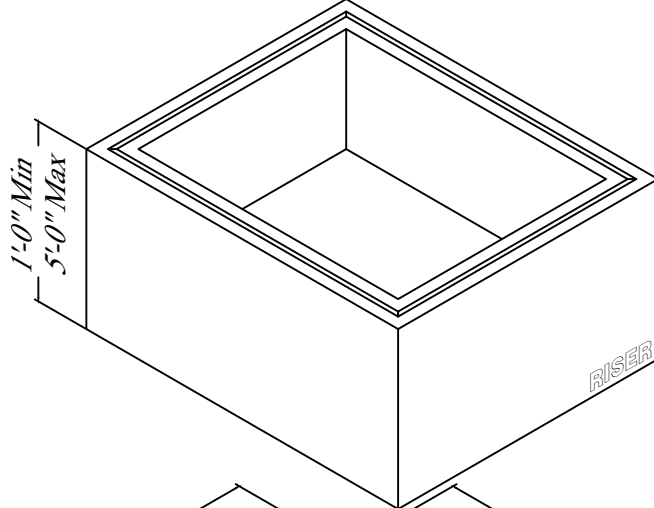
D

Reference Supplemental Drawings:

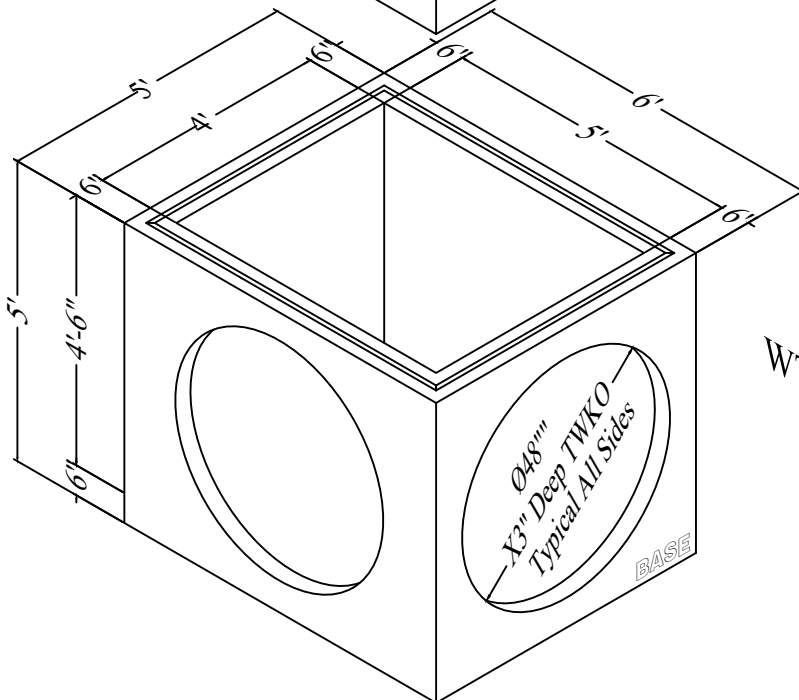
- If Ring & Cover or Frame @ Grate is required



WT: 3,800#



WT: 1'-0" 1,500#
 1'-6" 2,250#
 2'-0" 3,000#
 2'-6" 3,750#
 3'-0" 4,500#
 3'-6" 5,250#
 4'-0" 6,000#
 4'-6" 6,750#
 5'-0" 7,500#



WT: 7,120#

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Maximum Depth to Base Slab = 25'-0"
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs



Turner Co.
 P.O. Box 885
 Rhome, TX 76078

DRAWN BY:

TSH

JOB NO:

DATE:

04/25/25

WEIGHT:

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0" TXDOT
 Junction Box Submittal

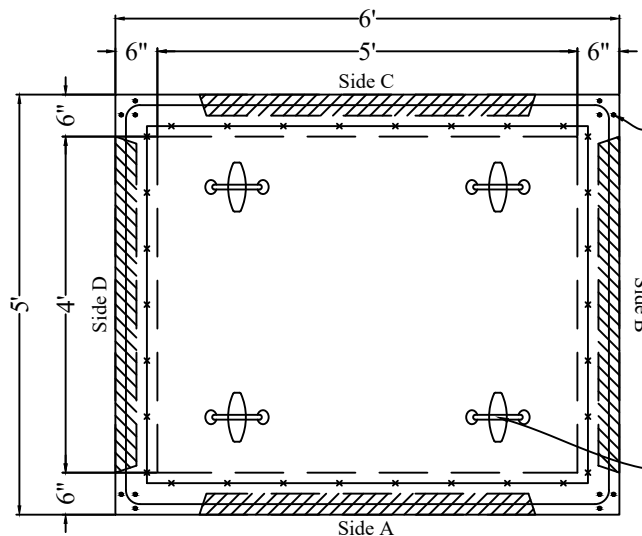
JOB NAME

A

B

C

D

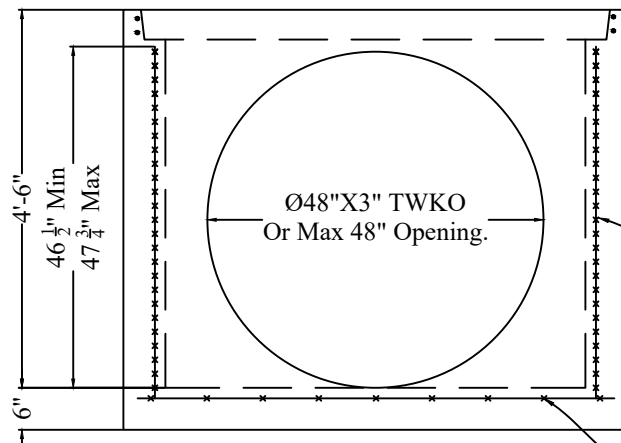


(3) Vertical Rebar In Base
& Risers #4 @ 2" O.C. Each Corner
2" To Corner

(4) 6CA18
A Anchors

Plan View

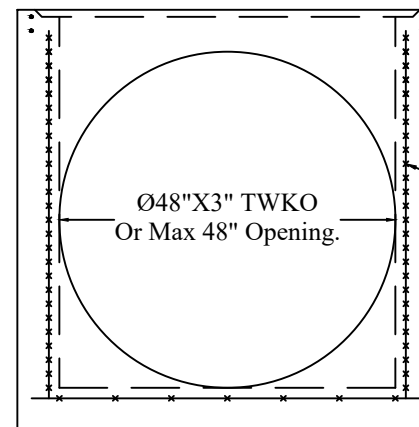
(Top Slab Not Shown)



Side A & C Elevation

Long Wall
WWR 2X8 D10 X D4
1 1/2" CLR
(As .60)

WWR 8X6 D18 X D27.5
1 1/2" CLR
(As .55)



Side B & D Elevation

Short Wall
WWR 2X8 D6.5 X D4.5
1 1/2" CLR
(As .39)

Steel Design Alternate:

Rebar Only -

Wall - #5 @ 6" O.C.E.W. - A_s .61 - 1 1/2" CLR
Base - #5 @ 6" O.C.E.W. - A_s .61 - 1 1/2" CLR

Minimum 1" CLR From All Surfaces

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 1/4"
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Maximum Depth to Base Slab = 25'-0"
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs



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DRAWN BY:

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JOB NO:

DATE:

12/02/25

WEIGHT:

7120#

Revision Number

R1

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0 TXDOT PB
Junction Box Base

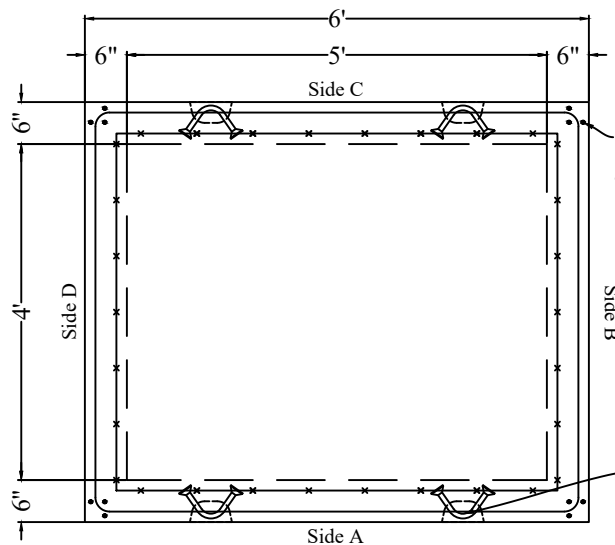
JOB NAME

A

B

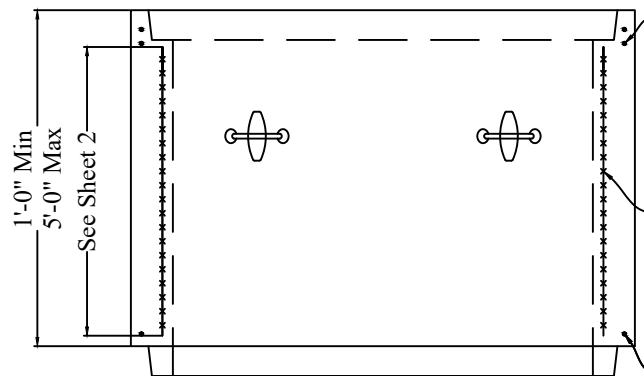
C

D



Plan View

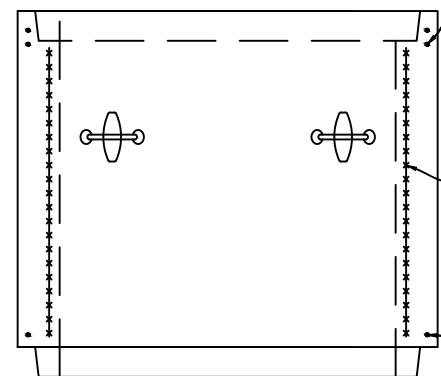
(Top Slab Not Shown)



(2) #4 Bars
2" O.C.
1" CLR From Joint
Each Beam

Long Wall
WWR 2X8 D10 X D4
1 1/2" CLR
(As .60)

(1) #4 Bars
1" CLR From Joint
Each Beam



(2) #4 Bars
2" O.C.
1" CLR From Joint
Each Beam

Short Wall
WWR 2X8 D6.5 X D4.5
1 1/2" CLR
(As .39)

(1) #4 Bars
1" CLR From Joint
Each Beam

Individual Weights

1'-0" Riser	1'-6" Riser	2'-0" Riser	2'-6" Riser	3'-0" Riser
1500	2250	3000	3750	4500
3'-6" Riser	4'-0" Riser	4'-6" Riser	5'-0" Riser	
5250	6000	6750	7500	



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DRAWN BY:

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JOB NO:

DATE:

12/02/25

WEIGHT:

Varies

Revision Number

R1

Sheet 1 of 2

PRODUCT

4'-0" X 5'-0 TXDOT PB
Junction Box Riser

JOB NAME

Steel Design Alternate:

Rebar Only -

Wall - #5 @ 6" O.C.E.W. - A_s .61 - 1 1/2 CLR

Minimum 1" CLR From All Surfaces

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 1/4"
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs

A

B

C

D

Riser Cages

Riser Height

Minimum Cage
HeightMaximum Cage
Height

1'-0"

4 1/2

5 3/4

1'-6"

10 1/2

11 3/4

2'-0"

16 1/2

17 3/4

2'-6"

22 1/2

23 3/4

3'-0"

28 1/2

29 3/4

3'-6"

34 1/2

35 3/4

4'-0"

40 1/2

41 3/4

4'-6"

46 1/2

47 3/4

5'-0"

52 1/2

53 3/4

Steel Design Alternate:

Rebar Only -

Wall - #5 @ 6" O.C.E.W. - A_s .61 - 1 ½ CLR

Minimum 1" CLR From All Surfaces

Individual Weights

1'-0" Riser

1'-6" Riser

2'-0" Riser

2'-6" Riser

3'-0" Riser

1500

2250

3000

3750

4500

3'-6" Riser

4'-0" Riser

4'-6" Riser

5'-0" Riser

5250

6000

6750

7500

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DRAWN BY:

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JOB NO:

DATE:

12/02/25

WEIGHT:

Varies

Revision Number

R1

Sheet 2 of 2

PRODUCT

4'-0" X 5'-0 TXDOT PB
Junction Box Riser

JOB NAME

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 ¼"
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs

A

B

C

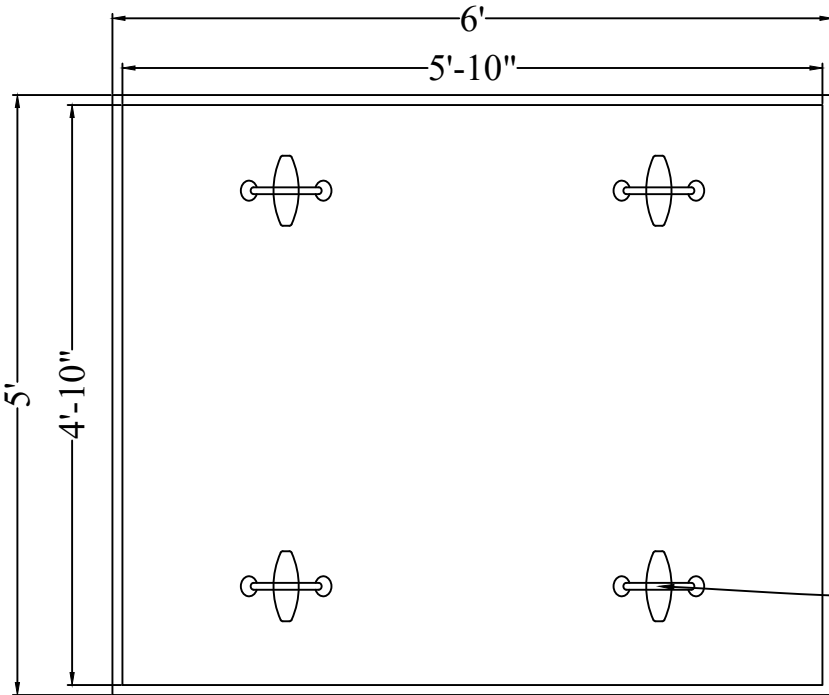
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Steel Design Alternate:

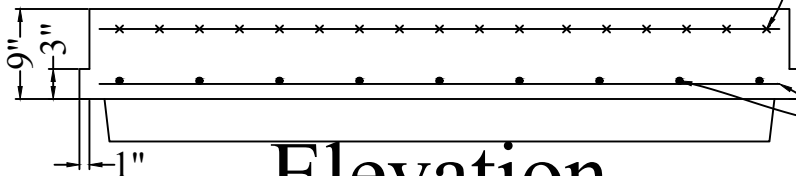
Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - A_s .30 - 2" CLR

Minimum 1" CLR From All Surfaces

(4) 6CA18
A Anchors

Plan View

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
(A_s .12)#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
(A_s .66)

Elevation

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs


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DRAWN BY:

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JOB NO:

DATE:

04/25/25

WEIGHT:

3800#

Revision Number

R0

Sheet 1 of 1

PRODUCT

 4'-0" X 5'-0 TXDOT PSL
 No Opening Top

JOB NAME

A

B

C

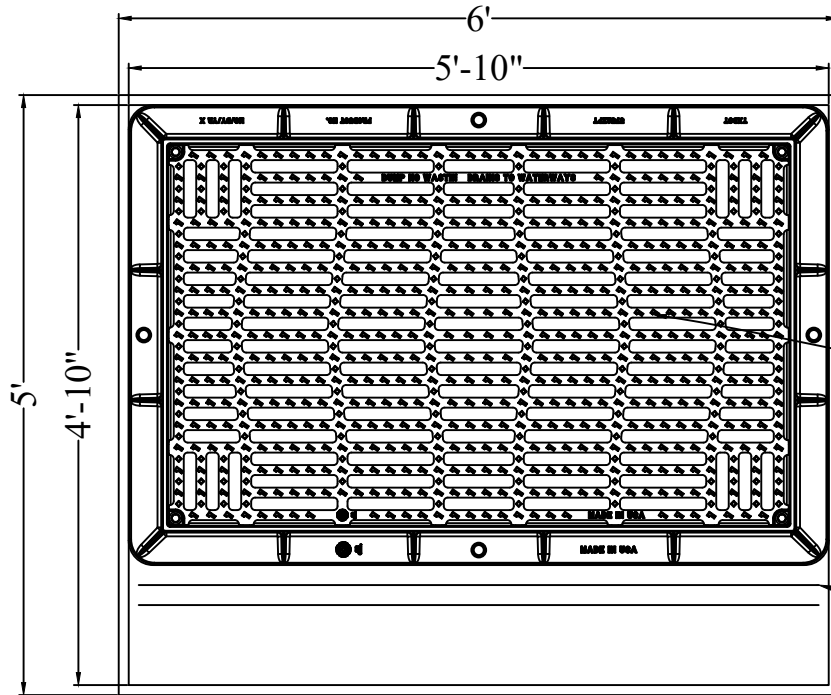
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Steel Design Alternate:

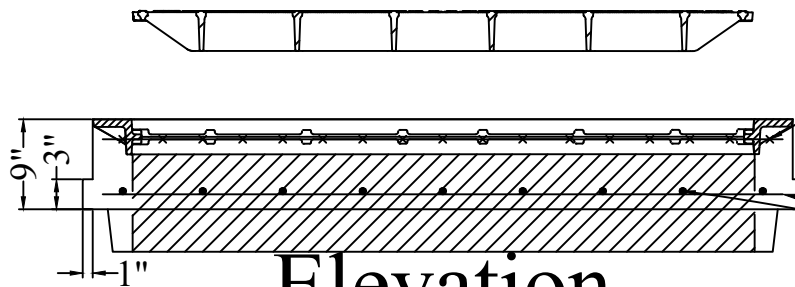
Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - $A_s .30$ - 2" CLR

Minimum 1" CLR From All Surfaces

EJ 5752ZPT 5752M Assembly
Cast In(2) Extra Bars
Each Side Of Opening

Plan View

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
($A_s .12$)#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
($A_s .66$)

Elevation

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section
- Frame & Grate To Be EJ 5752 ZPT, Cast In Drawing Is for Illustrative Purposes Only & Actual Product May Differ
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PSL Dated Feb 2020 Design Specs

Individual Weights

Top Slab	F&G
1875	621


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JOB NO:

DATE:

04/25/25

WEIGHT:

2496#

Revision Number

R0

Sheet 1 of 1

PRODUCT

 4'-0" X 5'-0
 3'x5' Frame Grate Top

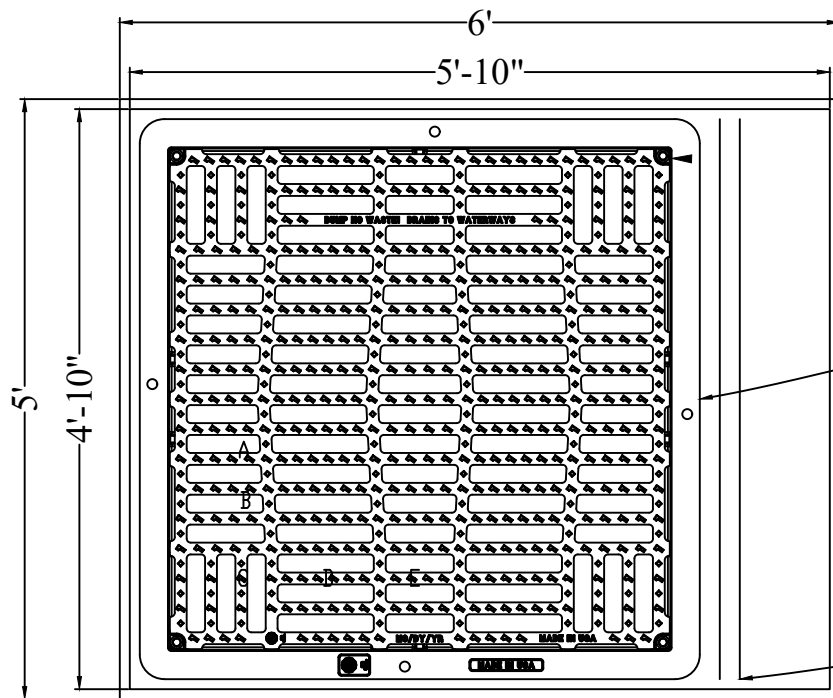
JOB NAME

A

B

C

D



Steel Design Alternate:

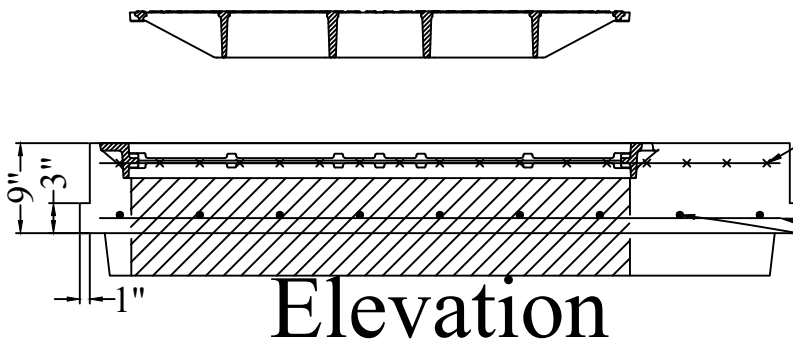
Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - $A_s .30$ - 2" CLR

Minimum 1" CLR From All Surfaces

EJ 5751 Assembly
Cast In Offset(2) Extra Bars
Each Side Of Opening

Plan View

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
($A_s .12$)#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
($A_s .66$)

Elevation

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section
- Frame & Grate To Be EJ 5751 ZPT, Cast In Drawing Is for Illustrative Purposes Only & Actual Product May Differ
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PSL Dated Feb 2020 Design Specs

Individual Weights

Top Slab F&G

1750 667



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DRAWN BY:

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JOB NO:

DATE:

04/25/25

WEIGHT:

2417#

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0
4'x4' Frame Grate Top

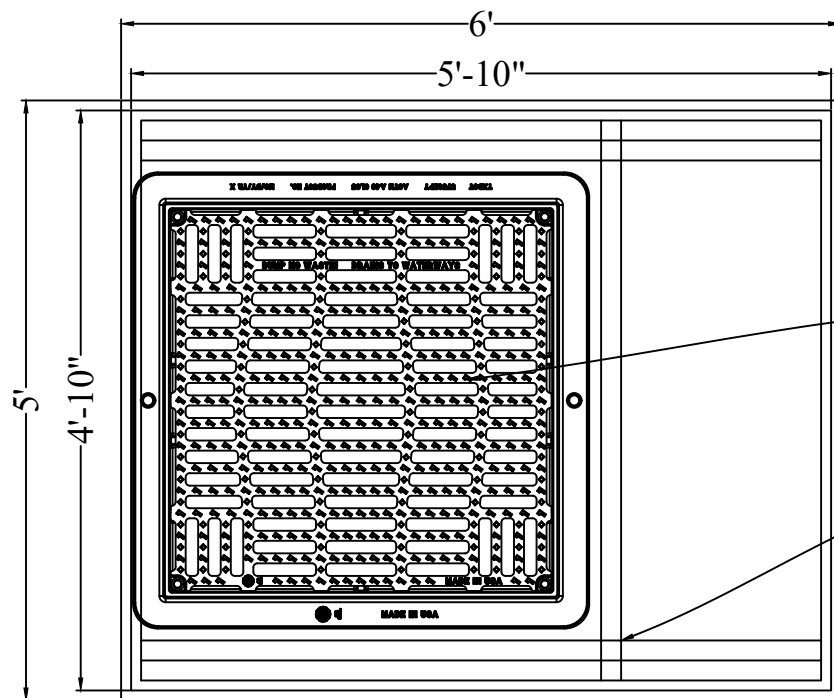
JOB NAME

A

B

C

D



Steel Design Alternate:

Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - $A_s .30$ - 2" CLR

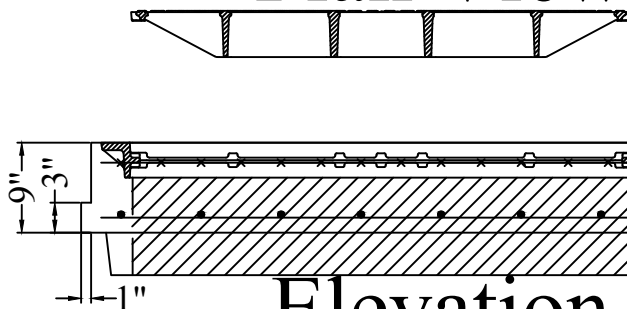
Minimum 1" CLR From All Surfaces

EJ 5750ZPT

Frame & Grate Cast In

(2) Extra Bars
Each Side Of Opening

Plan View

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
(As .12)#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
(As .66)

Elevation

Notes:

1. Concrete: Design Strength 5,000 PSI @ 28 Days Class H
2. Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
3. HL93 Loading
4. Product Tolerances are in Accordance With ASTM C913, Section
5. Frame & Grate To Be EJ 5750 ZPT, Cast In Drawing Is for Illustrative Purposes Only & Actual Product May Differ
6. Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
7. Designed Per ASTM C913.
8. Meets TXDOT Type PJB & PSL Dated Feb 2020 Design Specs

Individual Weights

Top Slab F&G

2650 370



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DRAWN BY:

TSH

JOB NO:

DATE:

04/25/25

WEIGHT:

3020#

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0
3'x3' Frame Grate Top

JOB NAME

A

B

C

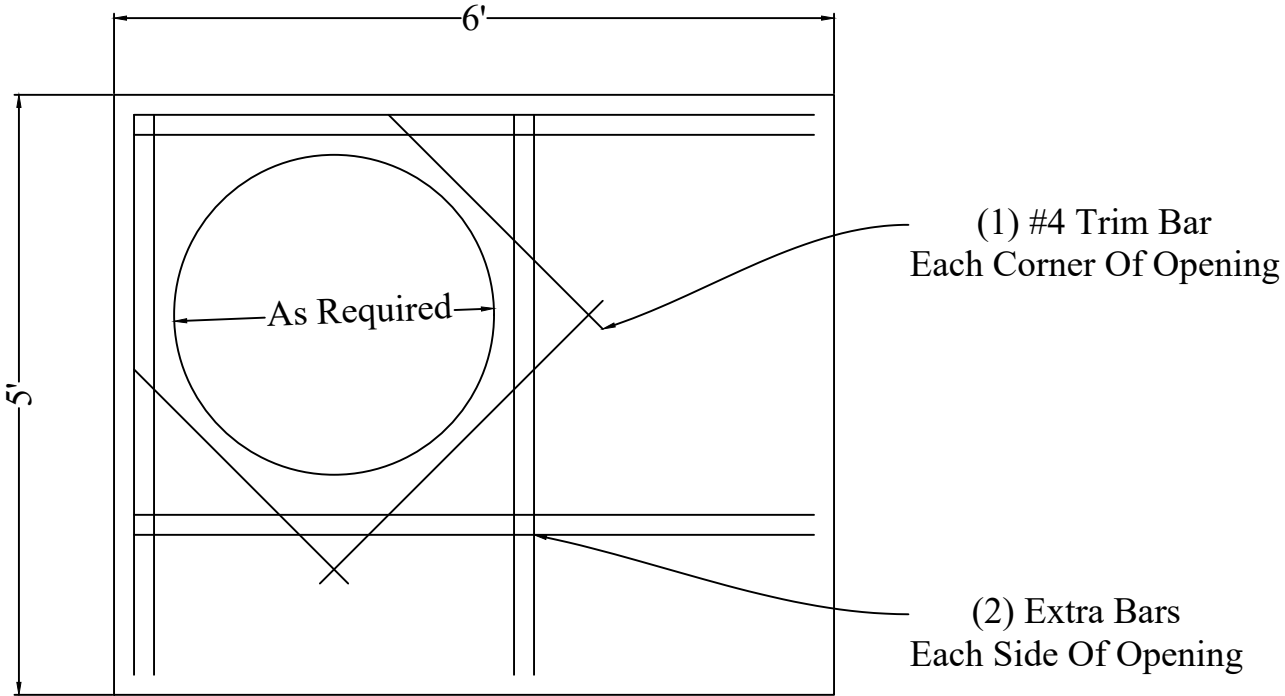
D

Steel Design Alternate:

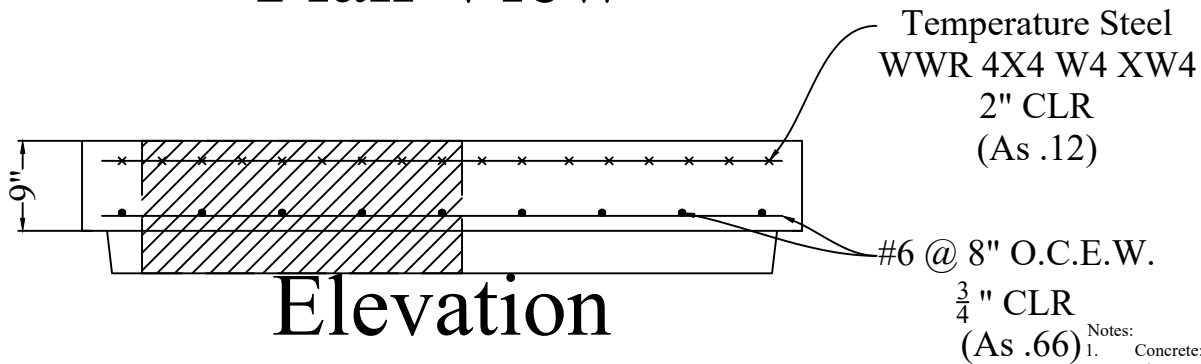
Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - A_s .30 - 2" CLR

Minimum 1" CLR From All Surfaces



Plan View



Elevation

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
(As .12)

#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
(As .66)

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs

Individual Weights

Ø18"	Ø24"	Ø32
3575	3400	3100



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DRAWN BY:

TSH

JOB NO:

DATE:

05/29/25

WEIGHT:

Varies

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0 TXDOT PSL
Offset Opening

JOB NAME

A

B

C

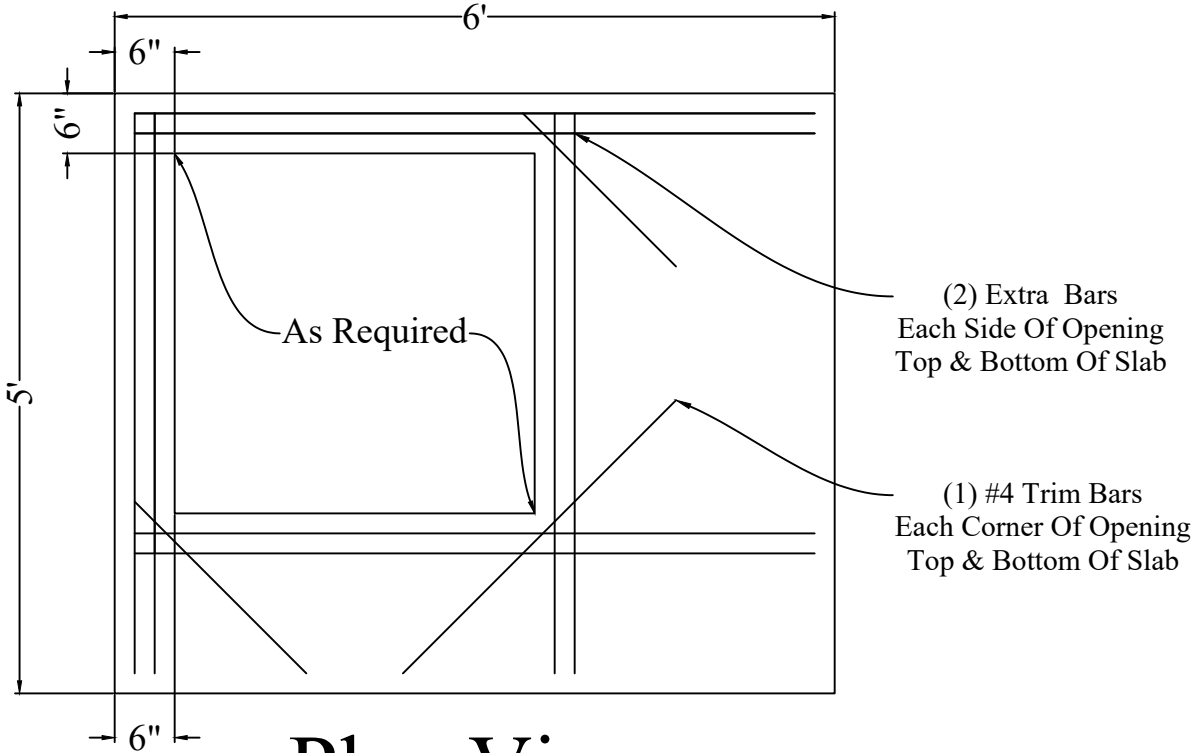
D

Steel Design Alternate:

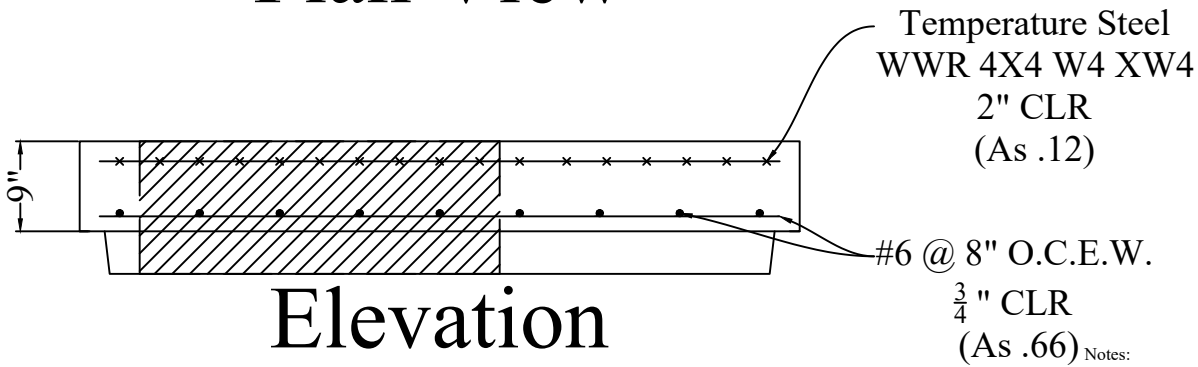
Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - A_s .30 - 2" CLR

Minimum 1" CLR From All Surfaces



Plan View



Elevation

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 1/4"
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs

Individual Weights

3X3	4X4
2670	1800



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DRAWN BY:

TSH

JOB NO:

DATE:

08/21/25

WEIGHT:

Varies

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0 TXDOT PSL
Offset Opening

JOB NAME

A

B

C

D

Steel Design Alternate:

Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - A_s .30 - 2" CLR

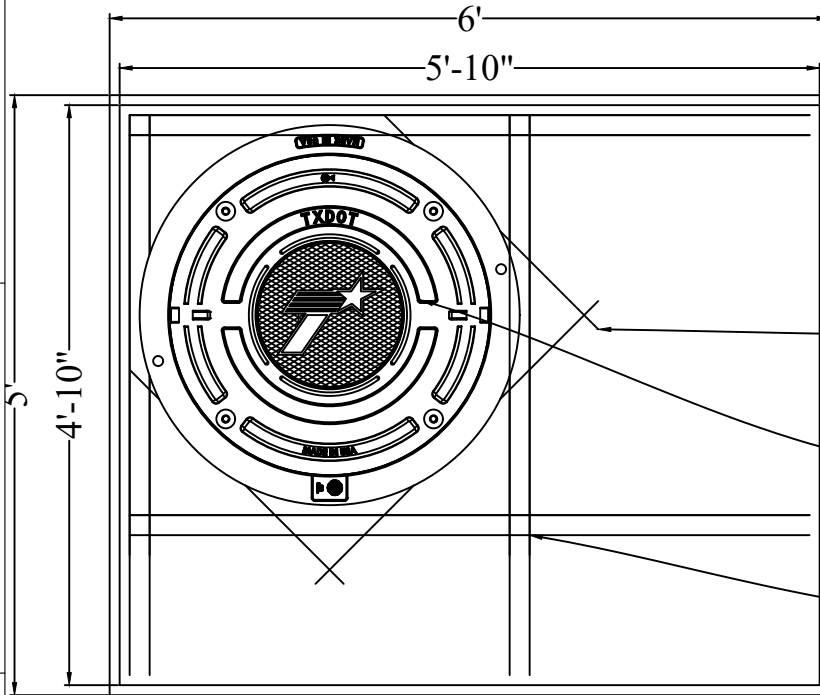
Minimum 1" CLR From All Surfaces

1

2

3

4

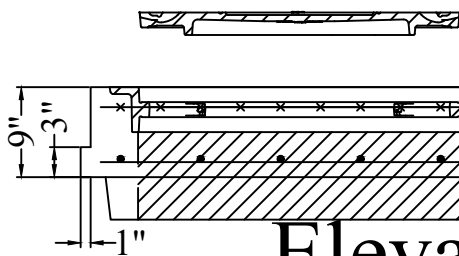


Plan View

(1) #4 Trim Bar
Each Corner Of Opening

EJ V1430 1495 ZPT
32" Ring & Cover
Cast In, Offset

(2) Extra Bars
Each Side Of Opening



Elevation

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
(A_s .12)

#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
(A_s .66)

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section
- Frame & Grate To Be EJ V1430 1495 ZPT, Cast In Drawing Is for Illustrative Purposes Only & Actual Product May Differ
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PSL Dated Feb 2020 Design Specs

Individual Weights

Top Slab	R&C
3100	354



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Rhame, TX 76078

DRAWN BY:

TSH

JOB NO:

DATE:

04/25/25

WEIGHT:

3454#

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0
3'x5' Ring & Cover Top

JOB NAME

A

B

C

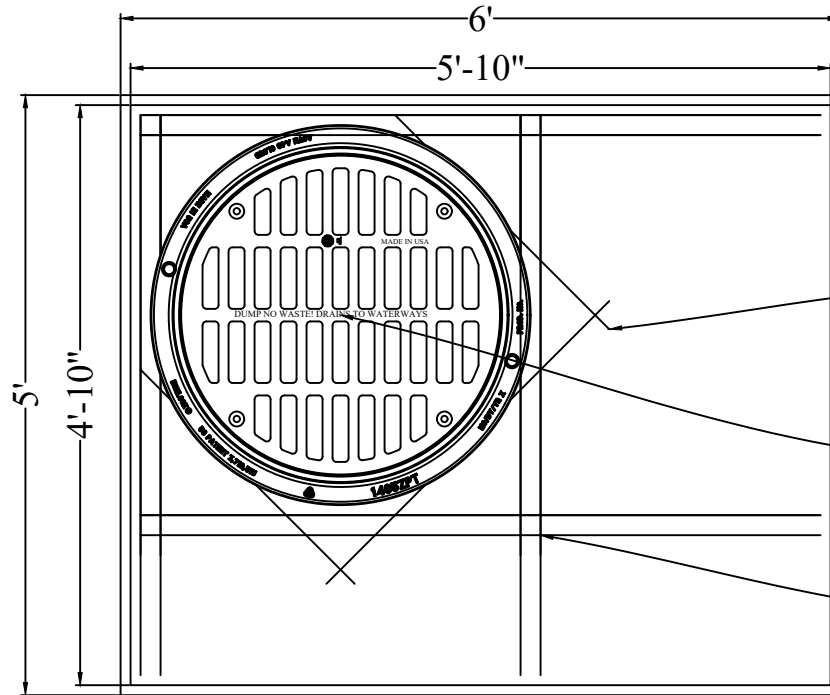
D

Steel Design Alternate:

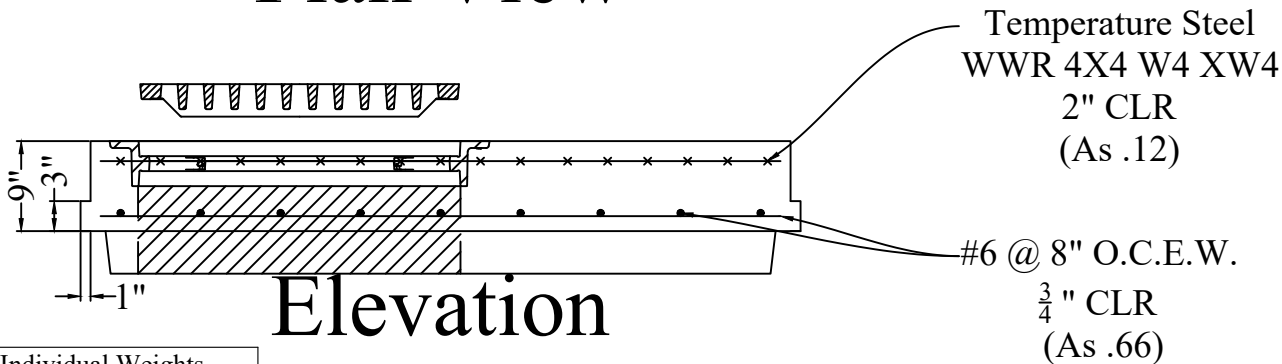
Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - A_s .30 - 2" CLR

Minimum 1" CLR From All Surfaces

(1) #4 Trim Bar
Each Corner Of OpeningV1495ZPT V3419
32" Ring & Grate
Cast In Offset(2) Extra Bars
Each Side Of Opening

Plan View

Temperature Steel
WWR 4X4 W4 XW4
2" CLR
(A_s .12)#6 @ 8" O.C.E.W.
 $\frac{3}{4}$ " CLR
(A_s .66)

Elevation

Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section
- Frame & Grate To Be EJ V1495ZPT V3419, Cast In Drawing Is for Illustrative Purposes Only & Actual Product May Differ
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PSL Dated Feb 2020 Design Specs

Individual Weights

Top Slab	R&G
3100	399



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DRAWN BY:

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JOB NO:

DATE:

04/25/25

WEIGHT:

3499#

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0
3'x5' Ring & Grate Top

JOB NAME

A

B

C

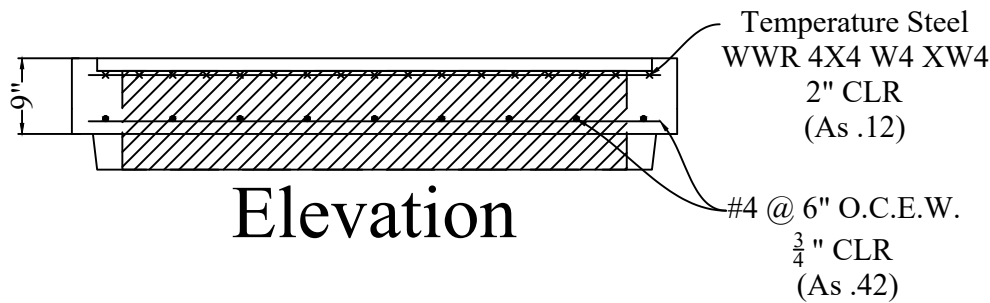
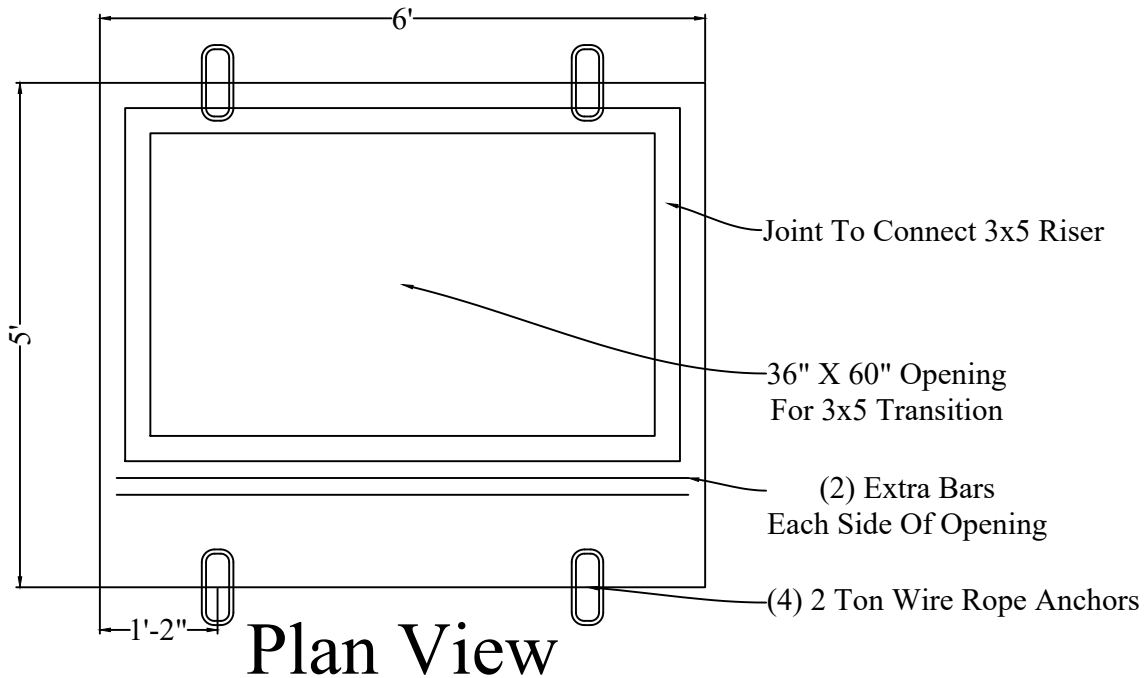
D

Steel Design Alternate:

Rebar Only -

Temperature Steel - #4 @ 8" O.C.E.W. - A_s .30 - 2" CLR

Minimum 1" CLR From All Surfaces



Notes:

- Concrete: Design Strength 5,000 PSI @ 28 Days Class H
- Reinforcement: ASTM A-615, Grade 60 or ASTM A-1064 Welded Wire Fabric
- HL93 Loading
- Product Tolerances are in Accordance With ASTM C913, Section 7
- Rebar Overlap: #4 - 39 $\frac{1}{4}$ "
#5 - 47"
#6 - 55"
- Designed Per ASTM C913.
- Meets TXDOT Type PJB & PDD Dated Feb 2020 Design Specs



Turner Co.

P.O. Box 885
Rhome, TX 76078

DRAWN BY:

JL

JOB NO:

DATE:

06/11/25

WEIGHT:

3800#

Revision Number

R0

Sheet 1 of 1

PRODUCT

4'-0" X 5'-0 TXDOT PSL
3x5 Opening Top

JOB NAME