NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 27.9 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

3'-4" RISE
10'-1" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 35.9 sf

10'-7" SPAN

4'-2" RISE

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 31.2 sf

10'-10" SPAN

3'-5" RISE

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB
EXTERIAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

4'-11" RISE

SIDE HAUNCH RIB

WATERWAY AREA = 44.2 sf

11'-0" SPAN

NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 39.7 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)

4'-3" RISE

SIDE HAUNCH RIB

11'-2" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 53.0 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

5'-8" RISE

11'-5" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 34.0 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

3'-6" RISE
11'-6" SPAN
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

5'-0" RISE

SIDE HAUNCH RIB

WATERWAY AREA = 48.4 sf

11'-7" SPAN

NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 61.9 sf

11'-10" SPAN

6'-5" RISE

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

11'-10" x 6'-5"
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTE:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

3'-8" RISE

WATERWAY AREA = 37.4 sf

SIDE HAUNCH RIB

12'-2" SPAN

NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 71.2 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 52.5 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 47.0 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

4'-5" RISE

12'-6" SPAN
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

2'-11" RISE

12'-6" SPAN

WATERWAY AREA = 30.6 sf

NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 62.3 sf

12'-7" SPAN

5'-10" RISE
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 76.9 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 57.0 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDA HAUNCH RIB

5' - 2" RISE

12' - 10" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION Crests.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 72.3 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

3'-1" RISE

13'-3" SPAN

WATERWAY AREA = 33.8 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 82.6 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 93.2 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERNAL CROWN RIB

INTERNAL CROWN RIB
(OPTIONAL)

4'-8" RISE

SIDE HAUNCH RIB

WATERWAY AREA = 55.1 sf

13'-10" SPAN

NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
13'-11" x 7'-6"

7'-6" RISE

13'-11" SPAN

WATERWAY AREA = 88.2 sf

NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 66.0 sf

5'-5" RISE

14'-1" SPAN

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION Crests.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 97.5 sf

8'-4" RISE

14'-3" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 77.2 sf
Notes:
1. Dimensions are shown to the inside of the corrugation crests.
2. Dimensions are subject to manufacturing tolerances.
3. Plate layout will be determined by manufacturer.
4. All reinforcing per manufacturers requirements.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 88.8 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

5'-6" RISE

WATERWAY AREA = 70.7 sf

14'-9" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 105.9 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 51.8 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
4'-1" RISE
SIDE HAUNCH RIB
14'-10" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 82.4 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

6'-4" RISE

15'-0" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 43.3 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 110.1 sf

15'-4" SPAN

8'-7" RISE
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 94.5 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 75.6 sf

15'-4" SPAN
5'-8" RISE

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 55.9 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
4'-2" RISE
SIDE HAUNCH RIB

15'-6" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 106.8 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

7'-11" RISE
15'-7" SPAN
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 88.0 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 68.1 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

5'-0" RISE

15'-9" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 119.2 sf

15'-10" SPAN

8'-8" RISE

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURE'S REQUIREMENTS.

WATERWAY AREA = 100.3 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 59.9 sf

16'-2" SPAN

4'-4" RISE

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

LANE ENTERPRISES, INC.

BC-S-16.17-2

STEEL STRUCTURAL PLATE
BOX CULVERT DETAIL
16'-2" x 4'-4"

DATE DRAWN: 5/1/08

DRAWN BY: JCH

1 OF 1
WATERWAY AREA = 123.0 sf

NOTES:
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2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

5'-1" RISE

WATERWAY AREA = 72.8 sf

16'-4" SPAN

NOTES:
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 119.7 sf

8'-2" RISE

16'-8" SPAN

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

3'-8" RISE

WATERWAY AREA = 50.7 sf

16'-8" SPAN

NOTES:
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2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 99.1 sf
NOTES:
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 112.4 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

7'-6" RISE

17'-0" SPAN

SIDE HAUNCH RIB

LANE ENTERPRISES, INC.
STEEL STRUCTURAL PLATE
BOX CULVERT DETAIL
17'-0" x 7'-6"

DRAWING
BC-S-17.00-1

PAGE
1 OF 1

DATE DRAWN: 5/1/08

DRAWN BY: JCH
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 126.0 sf
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 137.0 sf

9'-1" RISE

17'-5" SPAN

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 68.8 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

4'-7" RISE
17'-6" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 82.8 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 133.2 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 147.4 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB
9'-3" RISE
17'-10" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 111.1 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

7'-0" RISE

17'-11" SPAN

SIDE HAUNCH RIB
NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
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EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

3'-11" RISE

18'-0" SPAN

WATERWAY AREA = 58.8 sf

18'-0" x 3'-11"

STEL  \- STRUCTURAL PLATE

BC-S-18.00

5/1/08

1 OF 1

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LANE ENTERPRISES, INC.

JCH

Drawn By:
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

7'-9" RISE

SIDE HAUNCH RIB

WATERWAY AREA = 125.4 sf

18'-1" SPAN
NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 73.3 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

4'-9" RISE
18'-1" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 139.8 sf
18'-3" SPAN
8'-7" RISE
EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 117.3 sf
NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 132.3 sf
NOTES:
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 147.3 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

8' - 9" RISE

SIDE HAUNCH RIB

18' - 9" SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 162.4 sf

18'-10" SPAN

9'-6" RISE
NOTES:
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2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 93.4 sf
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERIOR CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

7'-4" RISE

SIDE HAUNCH RIB

WATERWAY AREA = 123.6 sf

19'-1" SPAN

NOTES:
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 138.9 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

8'-1" RISE
19'-2" SPAN

19'-2" x 8'-1"
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 154.2 sf

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB
8′-11″ RISE
19′-3″ SPAN
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 166.0 sf
NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

INTERNAL CROWN RIB

EXTERNAL CROWN RIB

WATERWAY AREA = 83.3 sf

SIDE HAUNCH RIB

5'-1" RISE

19'-5" SPAN

LANE ENTERPRISES, INC.

STEEL STRUCTURAL PLATE
BOX CULVERT DETAIL
19'-5" x 5'-1"

Drawing Number: BC-S-19.42
Page Number: 1 OF 1
Date Drawn: 5/1/08
Drawn By: JCH
NOTES:
1. DIMENSIONS ARE SHOWN TO THE INSIDE OF THE CORRUGATION CRESTS.
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

5'-10" RISE

WATERWAY AREA = 98.9 sf

19'-6" SPAN

SIDE HAUNCH RIB

19'-6" x 5'-10"
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

6'-8" RISE

19'-6" SPAN

SIDE HAUNCH RIB

WATERWAY AREA = 114.6 sf

NOTES:
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WATERWAY AREA = 126.6 sf
7'-5" RISE

EXTERNAL CROWN RIB
INTERNAL CROWN RIB (OPTIONAL)
SIDE HAUNCH RIB

19'-7" SPAN
NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 146.2 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

8'-3" RISE

19'-8" SPAN

SIDE HAUNCH RIB
9'-1" RISE

19'-9" SPAN

WATERWAY AREA = 162.0 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

SIDE HAUNCH RIB

NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERNAL CROWN RIB

INTERNAL CROWN RIB
(OPTIONAL)

WATERWAY AREA = 178.0 sf

19'-10" SPAN

19'-10" x 9'-10"

NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 77.5 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

4'-7" RISE

20'-8" SPAN
EXTERIAL CROWN RIB

INTERNAL CROWN RIB (OESIONAL)

5'-5" RISE

WATERWAY AREA = 94.1 sf

SIDE HAUNCH RIB

20'-8" SPAN

NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

6'-2" RISE

WATERWAY AREA = 110.7 sf

20'-8" SPAN

SIDE HAUNCH RIB

NOTES:
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3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.
EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

7'-0" RISE

20'-8" SPAN

WATERWAY AREA = 127.4 sf

NOTES:
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 143.3 sf
NOTES:
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2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. PLATE LAYOUT WILL BE DETERMINED BY MANUFACTURER.
4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 160.7 sf

EXTERNAL CROWN RIB

INTERNAL CROWN RIB (OPTIONAL)

8'-7" RISE

SIDE HAUNCH RIB

20'-9" SPAN
WATERWAY AREA = 177.4 sf

NOTES:
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4. ALL REINFORCING PER MANUFACTURERS REQUIREMENTS.

WATERWAY AREA = 194.2 sf