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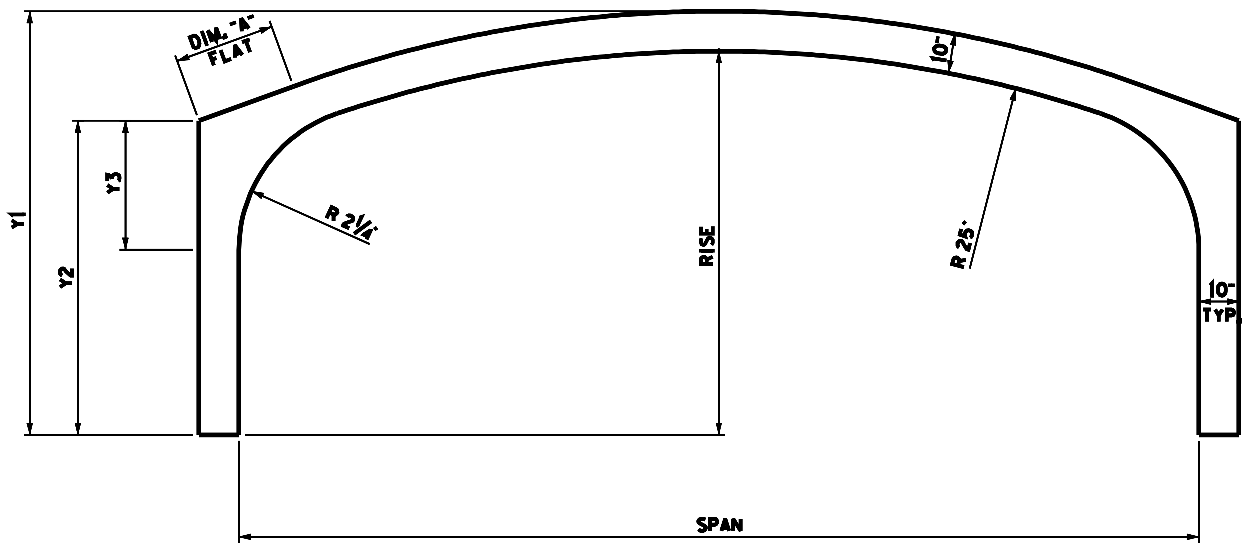


AQUA-ARCH TYPICAL SECTION

SHOWING DIMENSIONS N.T.S

RISE (FT)	SPAN=16 FT. Y1	Y2	Y3	A	WATERWAY (SF)
5	5'-10"	4'-3 5/16"	2'-9 5/8"	0'-0"	71.04
6	6'-10"	5'-3 5/16"	2'-9 5/8"	0'-0"	87.04
7	7'-10"	6'-3 5/16"	2'-9 5/8"	0'-0"	103.04
8	8'-10"	7'-3 5/16"	2'-9 5/8"	0'-0"	119.04
9	9'-10"	8'-3 5/16"	2'-9 5/8"	0'-0"	135.04
10	10'-10"	9'-3 5/16"	2'-9 5/8"	0'-0"	151.04

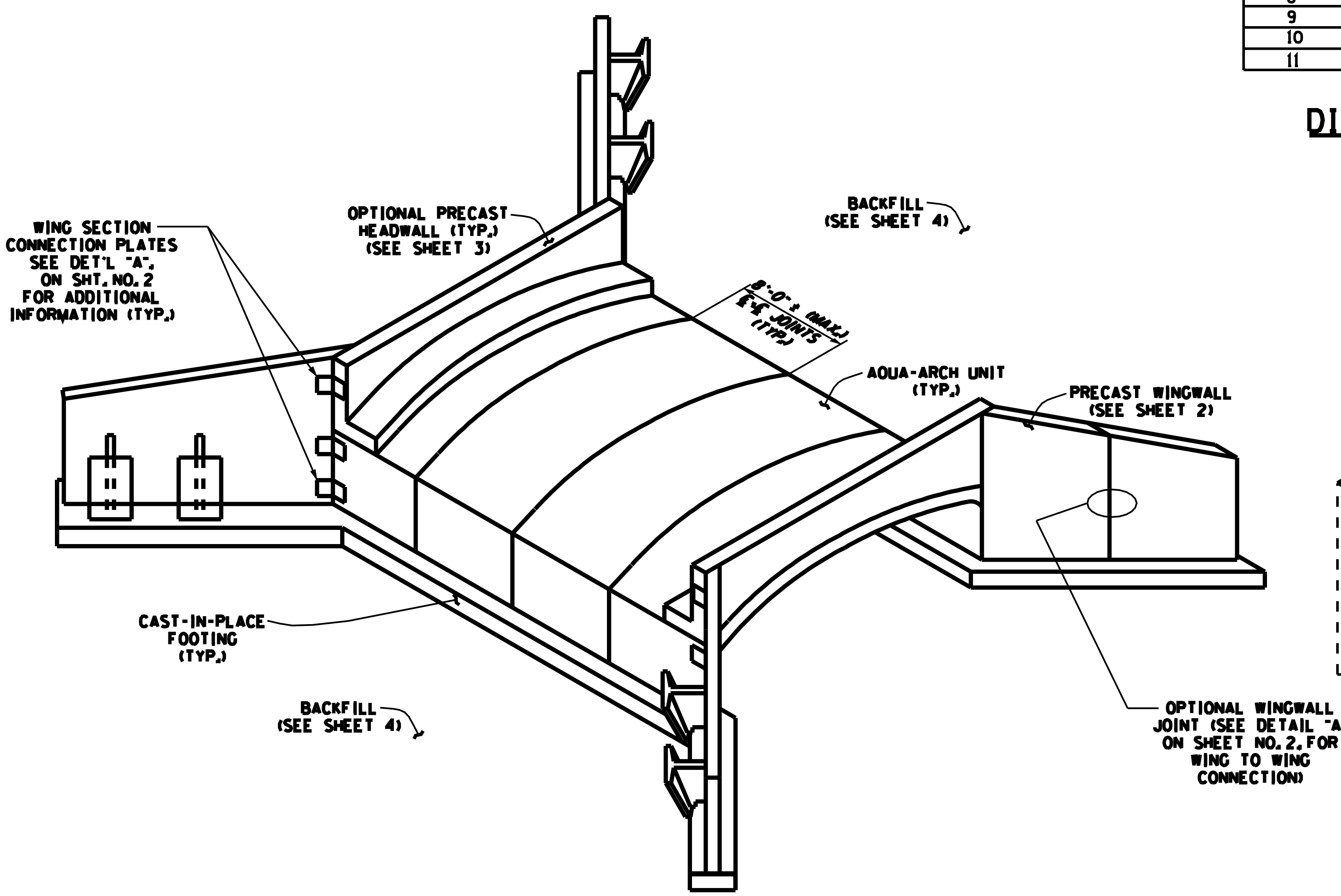
RISE (FT)	SPAN=20 FT. Y1	Y2	Y3	A	WATERWAY (SF)
5	5'-10"	3'-6 9/16"	2'-8 1/8"	2'-1 1/2"	84.74
6	6'-10"	4'-6 9/16"	2'-8 1/8"	2'-1 1/2"	104.74
7	7'-10"	5'-6 9/16"	2'-8 1/8"	2'-1 1/2"	124.74
8	8'-10"	6'-6 9/16"	2'-8 1/8"	2'-1 1/2"	144.74
9	9'-10"	7'-6 9/16"	2'-8 1/8"	2'-1 1/2"	164.74
10	10'-10"	8'-6 9/16"	2'-8 1/8"	2'-1 1/2"	184.74
11	11'-10"	9'-6 9/16"	2'-8 1/8"	2'-1 1/2"	204.74

RISE (FT)	SPAN=24 FT. Y1	Y2	Y3	A	WATERWAY (SF)
5	5'-10"	2'-9 13/16"	2'-8 15/16"	4'-3 1/16"	94.88
6	6'-10"	3'-9 13/16"	2'-8 15/16"	4'-3 1/16"	118.88
7	7'-10"	4'-9 13/16"	2'-8 15/16"	4'-3 1/16"	142.88
8	8'-10"	5'-9 13/16"	2'-8 15/16"	4'-3 1/16"	166.88
9	9'-10"	6'-9 13/16"	2'-8 15/16"	4'-3 1/16"	190.88
10	10'-10"	7'-9 13/16"	2'-8 15/16"	4'-3 1/16"	214.88
11	11'-10"	8'-9 13/16"	2'-8 15/16"	4'-3 1/16"	238.88

DIMENSIONS AND WATERWAY AREAS

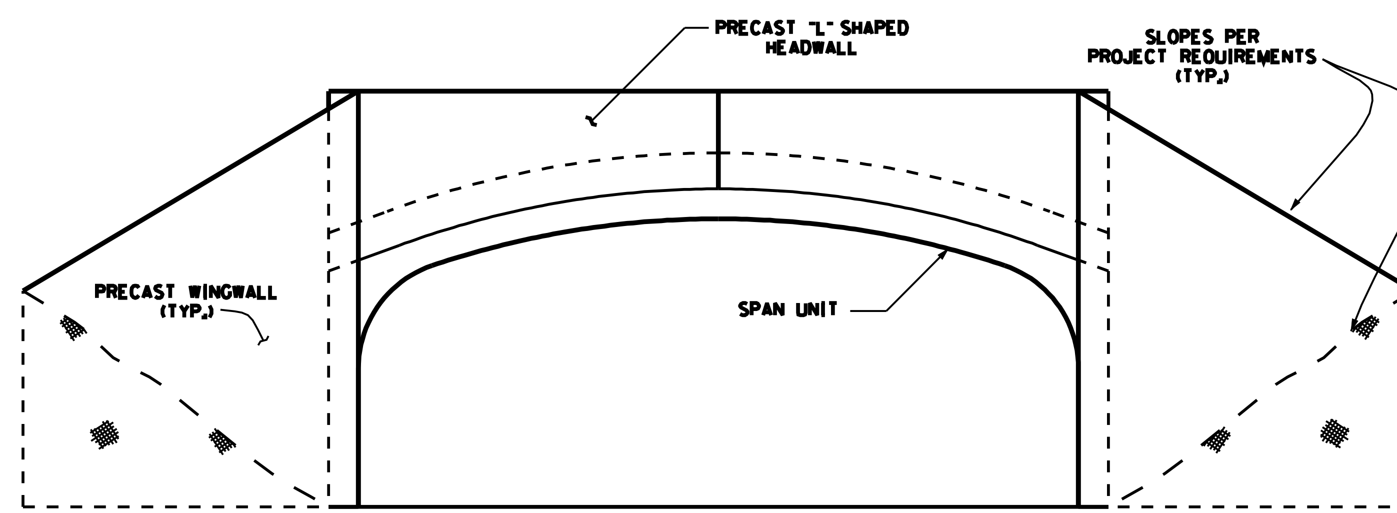
GENERAL NOTES

1. DESIGN SPECIFICATION: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2004 EDITION W/CURRENT INTERIMS THRU 2006.
2. DESIGN LIVE LOAD: HL-93.
3. INSTALLATION TO BE IN ACCORDANCE WITH PRODUCT INSTALLATION GUIDELINES. SEE SHEET NO. 4 FOR ADDITIONAL REQUIREMENTS.
4. SEE SHEET 4 FOR MATERIALS SPECIFICATIONS.
5. STRUCTURAL DESIGN BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TENNESSEE TO BE PROVIDED BY SHERMAN DIXIE CONCRETE INDUSTRIES UPON SUBMITTAL OF SHOP DRAWINGS FOR EACH SITE.



AQUA-ARCH ISOMETRIC

SHOWING COMPONENTS N.T.S



END ELEVATION

SHERMAN DIXIE
PH# 1-800-737-0707

GENERAL LAYOUT AND DETAILS

AQUA-ARCH DESIGN SCHEMATICS
TENNESSEE DEPARTMENT OF TRANSPORTATION

ISSUE / REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ORIGINAL ISSUE	09/14/07	WAP

SHEET 1 OF 4