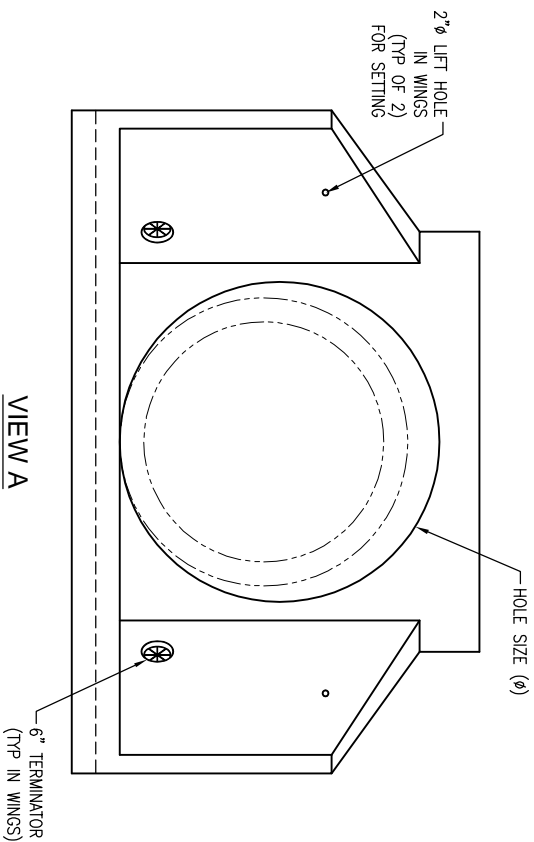
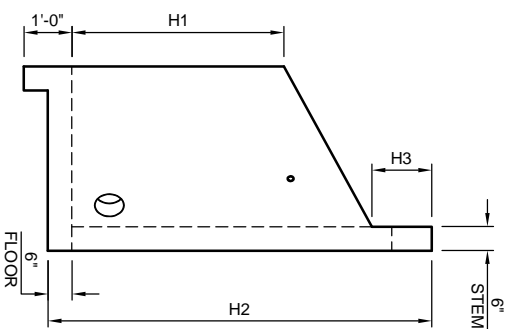


PLAN VIEW
SCALE: 1/4" = 1'-0"



VIEW A
SCALE: 1/4" = 1'-0"



VIEW B
SCALE: 1/4" = 1'-0"

WING WALL DIMENSIONS & WEIGHTS										
PIPE SIZE (1D)	HOLE SIZE (Ø)	W1	W2	H1	H2	H3	D	E	F	WT (LBS)
12"/15"	20" / 21"	3'-2"	4'-11"	1'-3"	3'-1"	1'-0"	1'-3"	1'-9"	45"	1,500/1,400"
18"	27"	3'-8"	6'-0"	1'-9"	3'-7"	1'-0"	1'-6"	2'-3"	45"	2,100
24"	33"	4'-4"	7'-3"	2'-0"	4'-3"	1'-0"	1'-10"	2'-10"	45"	2,800
30"/36"	39" / 48"	5'-8"	10'-10"	3'-3"	5'-9"	1'-0"	2'-11"	4'-3"	45"	5,800/5,600"
42"/48"	55" / 63"	6'-7"	12'-6"	3'-8"	6'-8"	1'-0"	3'-4"	5'-2"	45"	7,900/7,500"
54"/60"	72" / 80"	8'-9"	13'-10"	4'-5"	8'-0"	1'-3"	3'-4"	7'-5"	50"	9,900/9,300"
66"/72"	85" / 92"	9'-2"	14'-2"	4'-5"	9'-0"	2'-2"	3'-4"	7'-10"	50"	10,000/9,500"

GENERAL DESIGN NOTES:

1. DESIGN IN ACCORDANCE WITH (I.A.W.) NCDOT STANDARD DRAWING #838.80
2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 4,000 PSI (MIN).
3. REINFORCEMENT:
 - CARBON-STEEL DEFORMED BARS: ASTM A615, 1/2" = 60KSI (MIN).
 - #5 @ 8" O.C. BOTH WAYS WITH 2" MINIMUM CLEARANCE.
4. ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4".
5. PIPE TO BE GROUTED INTO WING WALL AT JOBSITE BY OTHERS.
6. PRECAST WING WALL STRUCTURES SHOULD BE POSITIONED AROUND AN EXISTING PIPE OR PIPE INSERTED INTO HEADWALL. HEADWALL STRUCTURES SHOULD BE PLACED ON A PREPARED FOUNDATION AS SPECIFIED BY THE ENGINEER OF RECORD.
7. COMPACTION OF BACKFILL MATERIALS SHALL BE AS REQUIRED BY THE ENGINEER OF RECORD.
8. 8" TERMINATOR PROVIDED FOR WEEP HOLE CONNECTION, IF REQUIRED BY CONTRACT DRAWINGS OR SPECIFICATIONS. LEAVE TERMINATOR SOLID IF WEEP HOLES ARE NOT REQUIRED. WEEP HOLE INVERT LOCATED AT THE INVERT OF PIPE.
9. VARIOUS HOLE SIZES AND SHAPES AVAILABLE BY SPECIAL ORDER ONLY.



Oldcastle Precast®
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OFFICE 704-786-0300, FAX 704-786-0300
NC ENGINEERING
LICENSE #F-1002

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WING WALL

SUBMITTAL LAYOUT

CUSTOMER

REVISIONS					
REV	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					

SCALE: 1/4" = 1'-0"

ORDER SUMMARY						
DATE 9/12/17	SALES LD	DRAWN	ENGINEER	CHECKED	SALES ORDER	
DRAWING NUMBER WingWall-2017				REVISION REV DATE	SHEET 1 OF 1	