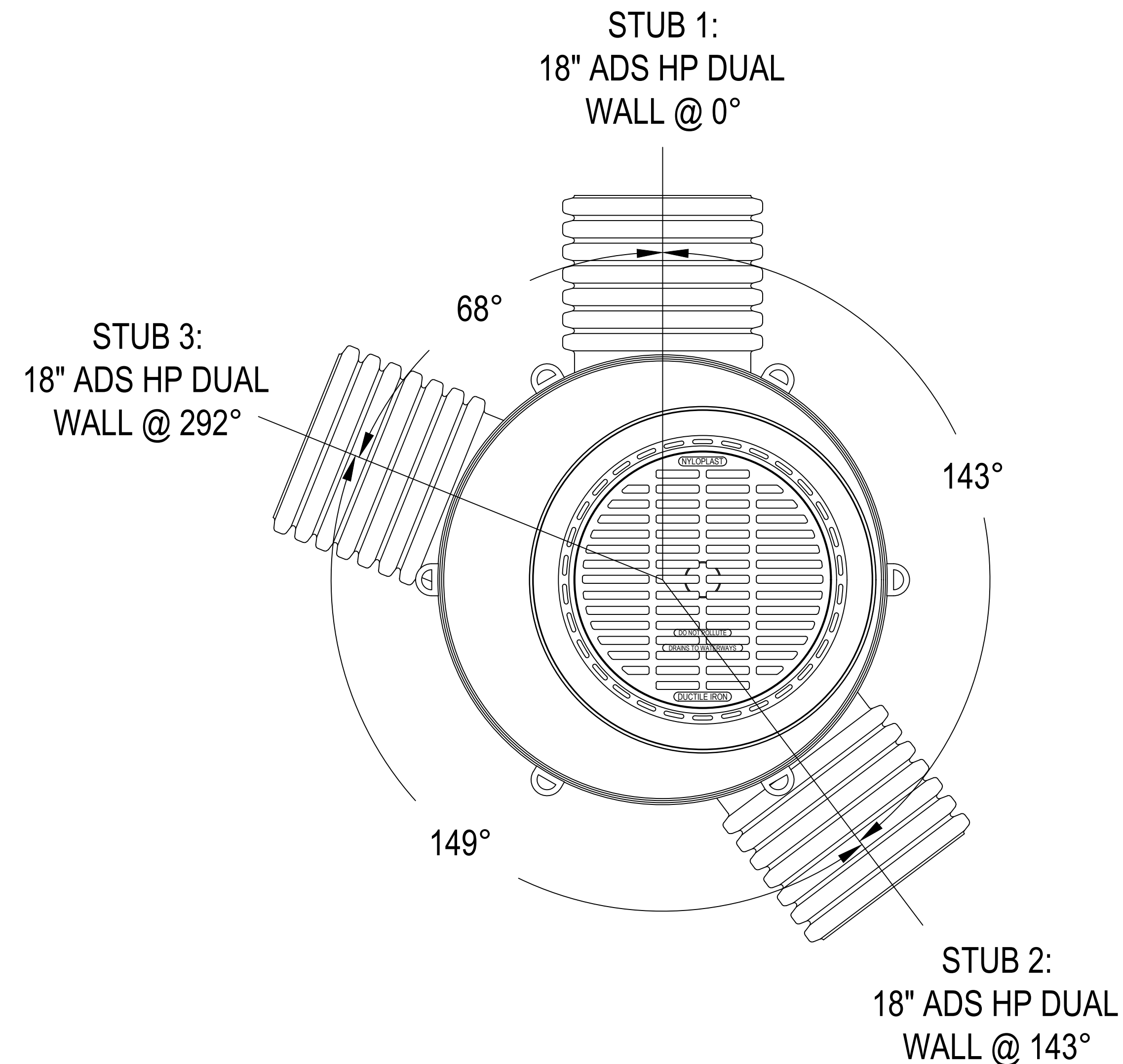


ADAPTER SIZE	48" HP MH
12" - 12"	51°
12" - 15"	54°
12" - 18"	59°
12" - 24"	69°
12" - 30"	81°
12" - 36"	93°
15" - 15"	59°
15" - 18"	63°
15" - 24"	73°
15" - 30"	85°
15" - 36"	99°
18" - 18"	68°
18" - 24"	78°
18" - 30"	90°
18" - 36"	105°
24" - 24"	87°
24" - 30"	100°
24" - 36"	112°
30" - 30"	112°
30" - 36"	124°
36" - 36"	137°

1. MEASURE THE ANGLE BETWEEN THE PIPE RUNS DIRECTLY FROM THE STORM DRAIN PLANS FOR EACH STRUCTURE LOCATION . THE ANGLE BETWEEN EVERY PIPE RUN MUST BE MEASURED.
2. REFER TO DRAWING NO. 7001-110-012 FOR MINIMUM ANGLE REQUIREMENTS. THE ANGLES LISTED ARE THE MINIMUM ANGLES POSSIBLE BETWEEN ADAPTERS DUE TO PRODUCTION RESTRICTIONS.
3. WHEN RECORDING THE MEASURED ANGLES ON AN ORDER FORM BE SURE TO MEASURE THE ANGLES IN A CLOCKWISE DIRECTION & LABEL THE ANGLE POSITIONS STARTING WITH 0° AT THE TOP OF THE PAGE, THE 12 O'CLOCK POSITION; 90° WOULD THEN FOLLOW AT 3 O'CLOCK, 180° AT 6 O'CLOCK, & SO FORTH (TYPICALLY YOUR OUTLET PIPE WOULD BE LABELED AT 0°).



**POLYPROPYLENE BASIN TOP VIEW**  
WITH REDUCING PLATE, FRAME & GRATE

EXAMPLE:  
THE 48" POLYPROPYLENE BASIN ABOVE HAS THREE PIPE STUBS:  
18" ADS HP DUAL WALL ADAPTER @ 0°  
18" ADS HP DUAL WALL ADAPTER @ 143°  
18" ADS HP DUAL WALL ADAPTER @ 292°

ACCORDING TO THE MINIMUM ANGLE CHART A 48" POLYPROPYLENE BASIN REQUIRES A MINIMUM OF 68° BETWEEN AN 18" & 18" STUB. STUB 2 EXCEEDS THE MINIMUM ANGLES BETWEEN STUB 1 AND STUB 3 AND MEETS THE MINIMUM ANGLE REQUIREMENTS. STUB 3 IS 68° FROM STUB 1 AND THEREFORE IS AT THE MINIMUM ALLOWED ANGLE BETWEEN THE TWO ADAPTER SIZES.

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STANDARD DETAIL  
48" POLYPROPYLENE BASIN  
MINIMUM ANGLE CHART

DRAWING NUMBER 7009-110-028 A



4640 TRUEMAN BLVD  
HILLIARD, OH 43026

DRAWN BY: NMH  
DATE: 01/30/23  
OK'S BY:  
SCALE: NTS  
SHEET: 1 OF 1