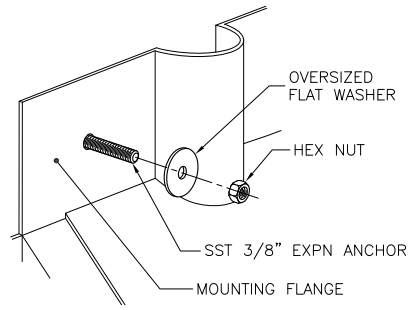
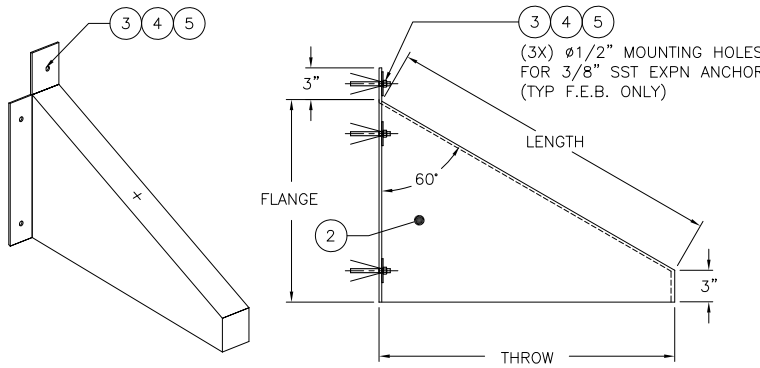


INSTALLATION HARDWARE
(NOT TO SCALE)



FREE END BRACKET
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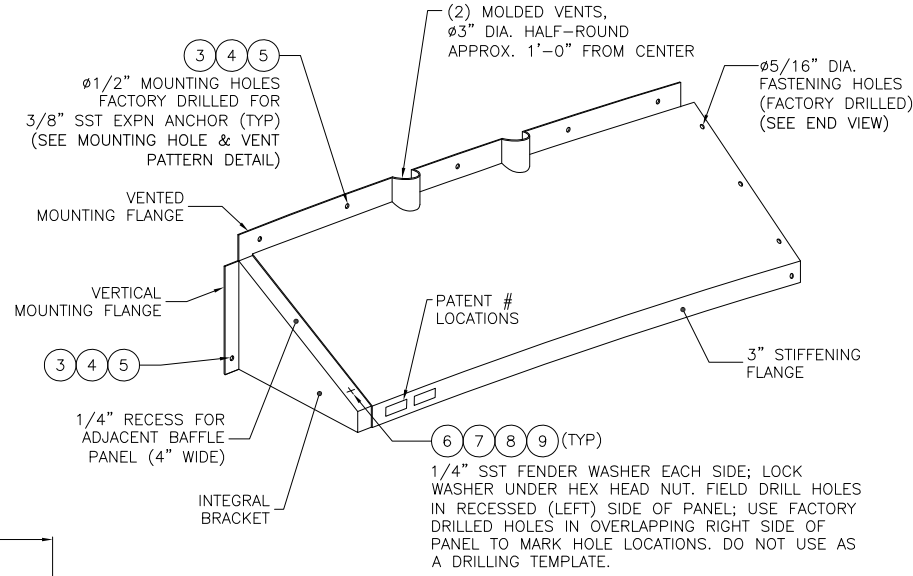
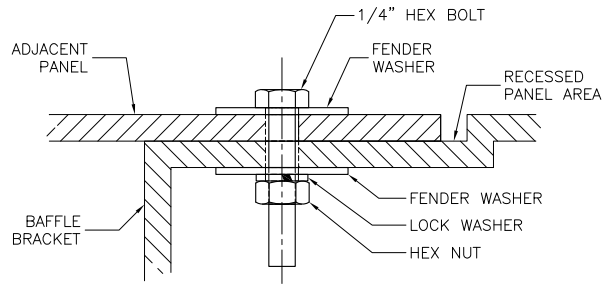
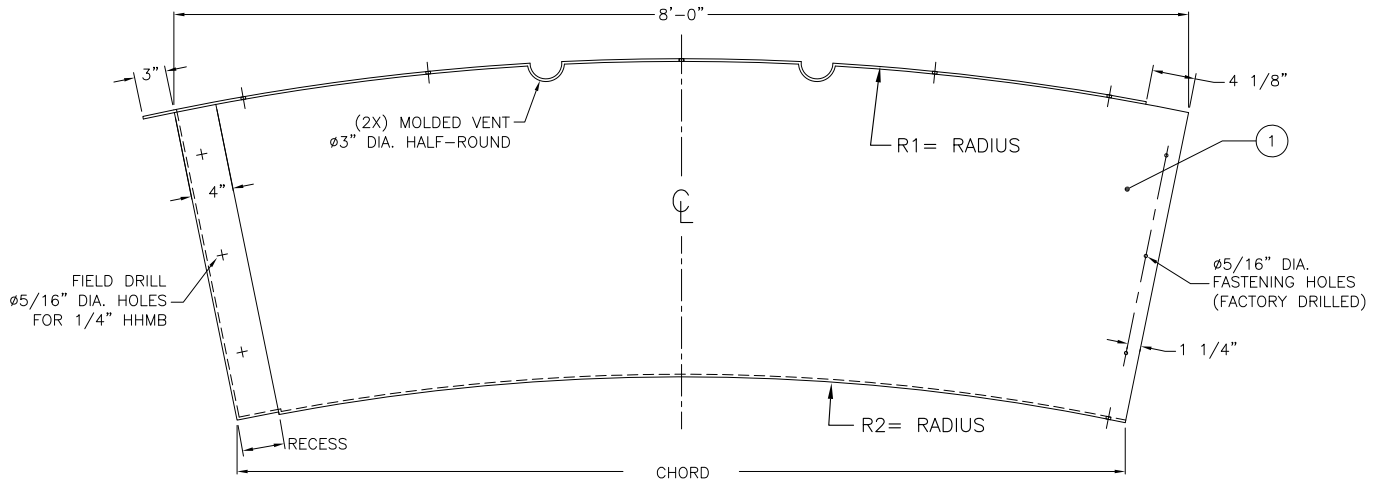


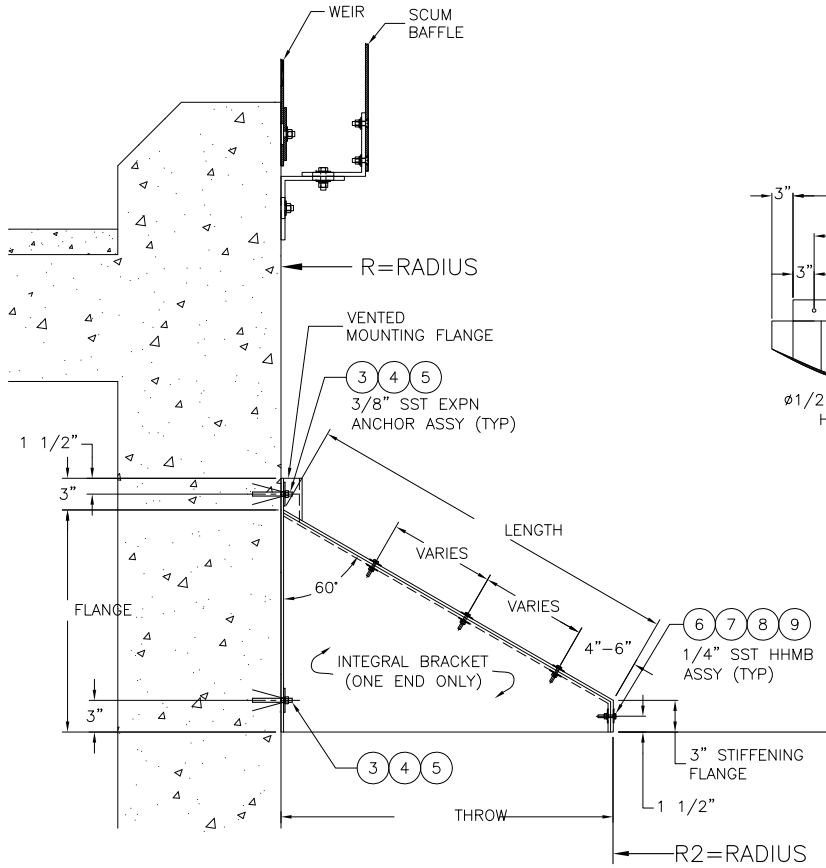
PERSPECTIVE VIEW
(NOT TO SCALE)



FASTENING ADJACENT PANELS
(NOT TO SCALE)



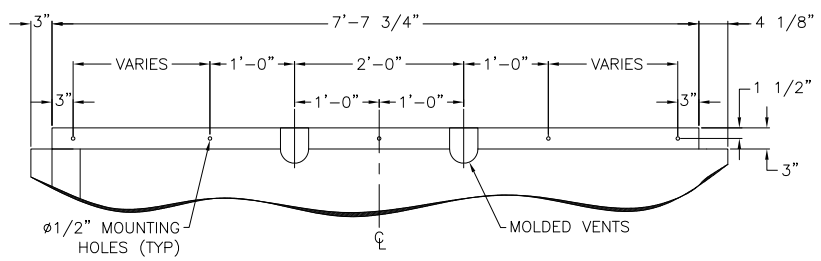
TOP VIEW
(NOT TO SCALE)



END VIEW
(NOT TO SCALE)

THE BAFFLE BOTTOM ELEVATION TO BE MIDWAY BETWEEN THE WATER SURFACE AND THE AVERAGE ELEVATION OF THE SLUDGE BLANKET.

IMPORTANT NOTE:
THE BAFFLE BOTTOM CAN NOT BE LESS THAN 2FT ABOVE THE MAXIMUM SLUDGE BLANKET ELEVATION.



MOUNTING HOLE & VENT PATTERN
(NOT TO SCALE)

MATERIALS/TANK		
ITEM	QTY.	DESCRIPTION
1	#	BAFFLE PANELS
2	1	FREE END BRACKET
3	#	3/8" X 3 3/4" EXPANSION ANCHORS
4	#	3/8" OVERSIZED FLAT WASHERS
5	#	3/8" HEX NUTS
6	#	1/4-20 X 1-1/2" HEX BOLT
7	#	1/4" FENDER WASHER
8	#	1/4" LOCK WASHER
9	#	1/4" HEX NUT

NOTES:

1. ONE TANK(S), DIAMETER AT BAFFLE = øXX'-XX".
2. BAFFLE PANELS ARE CHOPPED STRAND FRP 1/4" MINIMUM THICKNESS.
3. 357-211 PLN CTC GLASS REINFORCEMENT OR EQUIVALENT.
4. COREZYN, COR75-AQ-010, ISOPHTHALIC RESIN OR EQUIVALENT, WITH MINIMUM .05% BLACK PIGMENT, MAX 5% FILL AND UV SUPPRESSED.
5. LAMINATE SHALL NOT HAVE LESS THAN 30% GLASS CONTENT.
6. ADD 2° DRAFT TO BRACKET ON PLUG TO COMPENSATE FOR SHRINKAGE.
7. ONE-EIGHTH (1/8") INCH RADIUS ON ALL CORNERS.
8. UPPER BAFFLE SURFACE IS MOLD SMOOTH AND LAMINATED WITH ONE LAYER C-TYPE VEIL MAT.
9. THE RETURN MOUNTING FLANGE REINFORCED WITH ONE LAYER 24 OZ WOVEN ROVING.
10. PARTS SHALL BE UNIFORMLY BLACK WITH NO FIBER SHOWING.
11. PARTS ARE KNIFE TRIMMED, WITH EDGES SANDED AND HOT COATED.
12. TANK MOUNTING HOLES ARE FACTORY DRILLED (1/2") AND SEALED.
13. SEAL ALL CUT EDGES PER MANUFACTURER'S DIRECTIONS.
14. ALL FASTENERS ARE 304 SST UNLESS OTHERWISE NOTED.
15. EACH BAFFLE SHALL HAVE THE FOLLOWING MINIMUM PHYSICAL PROPERTIES:

PROPERTY	TEST	MINIMUM VALUE
TENSILE STRENGTH	ASTM D-638	12,000 PSI
FLEXURAL STRENGTH	ASTM D-790	20,000 PSI
FLEXURAL MODULUS	ASTM D-790	1.0x10^6 PSI
NOTCHED IZOD IMPACT	ASTM D-256	12 FT-LBS/IN
BARCOL HARDNESS	ASTM D-2583	40
WATER ABSORBTION	ASTM D-570	0.2%

PATENTS
U.S. PATENT NO.s
STAMFORD BAFFLE 2.0 7,971,731 & 8,220,644

CANADIAN PATENT NO. 2,707,777

BASIC BAFFLE INSTALLATION INSTRUCTIONS:

NOTE: PLEASE READ THE ENTIRE INSTRUCTIONS BEFORE STARTING THE BAFFLE INSTALLATION!!! IF YOU HAVE ANY QUESTIONS, PLEASE CALL US IMMEDIATELY AT (561) 775-9303.

THE BAFFLE PANELS ARE GENERALLY INSTALLED IN A COUNTERCLOCKWISE MANNER TO THE INSIDE SURFACE OF THE TANK WALL ALONG THE CIRCUMFERENCE AS IF LOOKING OUTWARD FROM THE CENTER.

1) EXAMINE THE PROPOSED LOCATION ALONG THE ENTIRE PERIMETER OF THE TANK AT THE PROPER ELEVATION FOR ANY INTERFERENCE OR OBSTRUCTION.

2) IF NO OBSTRUCTION EXISTS, BEGIN THE INSTALLATION BY MOUNTING THE FIRST BAFFLE PANEL AT THE PROPER ELEVATION RANDOMLY AT SOME POINT ALONG THE PERIMETER OF THE TANK WALL. USE THE FACTORY MOUNTING HOLES IN THE PANEL AS A GUIDE TO MARK THE WALL PRIOR TO DRILLING THE ANCHOR MOUNTING HOLES. REMOVE THE PANEL AND DRILL THE WALL ANCHOR HOLES (NEVER USE THE FACTORY HOLES AS A DRILLING TEMPLATE). INSERT THE APPROPRIATE ANCHORS INTO THE HOLES, REPLACE THE PANEL AND SECURE IT TO THE WALL WITH THE HARDWARE AS SHOWN IN THE INSTALLATION DETAIL. MOVE TO THE LEFT AND MOUNT THE NEXT PANEL SIMILAR TO THE FIRST. IN ADDITION TO THE MOUNTING HOLES, ALSO MARK THE LAP HOLES ON THE RECESS OF THE INTEGRAL BRACKET OF THE FIRST PANEL MOUNTED USING THE FACTORY HOLES IN THE RIGHT SIDE OF THE SECOND PANEL AS A GUIDE. CONTINUE INSTALLING PANELS FROM RIGHT TO LEFT USING THE SAME STEPS UNTIL YOU REACH THE OPPOSITE SIDE OF THE FIRST PANEL INSTALLED. ACCURATELY MEASURE AND THEN FIELD CUT THE LAST BAFFLE PANEL TO FIT THE REMAINING SPACE AND INSTALL.

3) IF AN OBSTRUCTION DOES EXIST LIKE THE EFFLUENT BOX OR SCUM PIPE, BEGIN BY MOUNTING THE FREE END BRACKET AT THE DESIRED ELEVATION TO THE LEFT SIDE OF THE OBSTRUCTION. INSTALL THE FIRST BAFFLE PANEL TO THE LEFT SIDE OF THE FREE END BRACKET USING THE SAME METHOD AS IN STEP-1 ABOVE. LAP THE RIGHT SIDE OF THE PANEL ON TOP OF THE FREE END BRACKET. MARK THE LAP HOLES ON THE FREE END BRACKET USING THE FACTORY HOLES IN THE RIGHT SIDE OF THE PANEL AS A GUIDE. AGAIN, REMOVE THE PANEL BEFORE DRILLING. CONTINUE INSTALLING PANELS FROM RIGHT TO LEFT UNTIL YOU REACH THE OPPOSITE SIDE OF THE OBSTRUCTION. ACCURATELY MEASURE AND THEN FIELD CUT THE LAST BAFFLE PANEL TO FIT THE REMAINING SPACE AND INSTALL.

REVISIONS:

NO.	DATE	DETAILS

NEFCO, INC.
8895 NORTH MILITARY TRAIL
BUILDING-C, SUITE 100
PALM BEACH GARDENS, FL 33410
(561) 775-9303
www.nefco.us

PROJECT: ------
TITLE: ------
CONTRACTOR: ------
ENGINEER: ------
P.O. ------

DWG BY:
CHK BY:
PRJ MG:
SCALE: N.T.S.
DATE: 06-20-2016

DWG NO.
SHEET NO: 1 OF 1