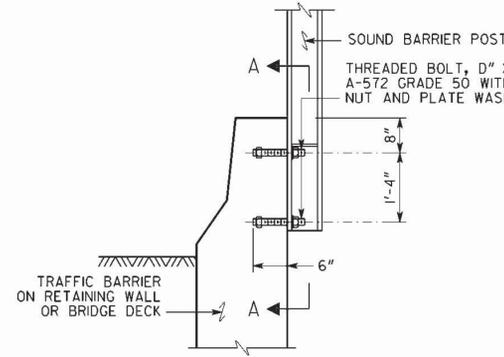


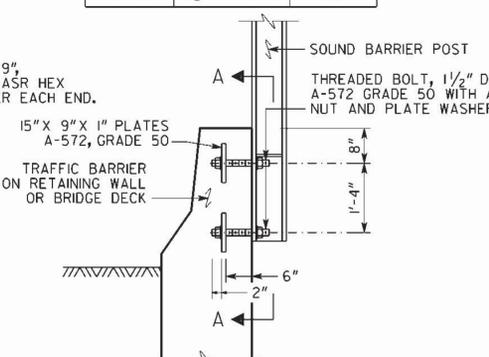
POST SIZE	GAGE FOR BOLTS
W8X24	3/2"
W8X31	5/2"
W10X33	5/2"
W10X39	5/2"
W12X40	5/2"
W12X45	5/2"

DESIGN HEIGHT "H" Δ	ANCHOR DIAMETER D" Δ	BOLT HOLE SIZE
6'	3/8"	9/16"
8'	1/2"	11/16"
10'	5/8"	13/16"
12'	3/4"	15/16"
14'	7/8"	1 1/16"
16'	1"	1 3/16"
18'	1 1/8"	1 5/16"
18'-26'	1 1/2" W/PLATE	1 1/16"

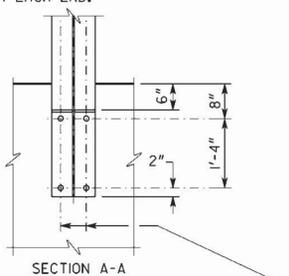
NOTES: SOUND BARRIER SHALL NOT BE MOUNTED ON SIDE BARRIERS AS SHOWN IN GA STD 4948.  
SOUND BARRIER SHALL ONLY BE ATTACHED TO BARRIERS OR RETAINING WALLS THAT HAVE BEEN SPECIFICALLY DESIGNED FOR THE LOADING FROM SOUND BARRIER.



ANCHOR DETAIL FOR SOUND BARRIER BETWEEN 6'-0" AND 18'-0"  
CAST-IN-PLACE



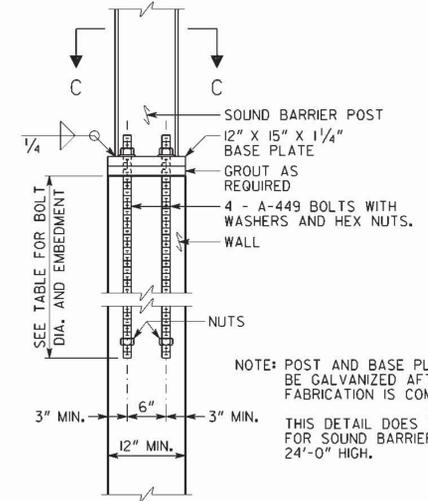
ANCHOR DETAIL FOR SOUND BARRIER BETWEEN 18'-0" AND 26'-0"  
CAST-IN-PLACE



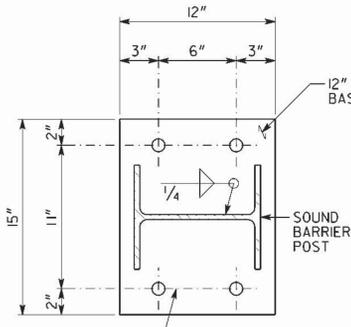
SECTION A-A  
BOLT HOLES (SEE CHART FOR GAGE, ANCHOR DIAMETER AND BOLT HOLE SIZE).

POST SIZE	PANEL SUPPORT PLATE SIZE *
W8X24,31	4" x 7 1/8" x 1/2"
W10X22	4" x 9 3/8" x 1/2"
W10X26	4" x 9 1/2" x 1/2"
W10X33,39	4" x 8 7/8" x 1/2"
W12X26	4" x 11 1/2" x 1/2"
W12X40	4" x 11" x 1/2"
W12X45	4" x 10 7/8" x 1/2"
W14X30,34,38	4" x 13 1/8" x 1/2"
W14X43	4" x 12 5/8" x 1/2"
W14X48,53	4" x 12 1/2" x 1/2"
W14X61	4 7/8" x 12 5/8" x 1/2"
W14X74,82	4 7/8" x 12 1/2" x 1/2"
W14X90,109	7" x 12 5/8" x 1/2"

\* REQUIRED FOR BARRIER MOUNTED SOUND BARRIER ONLY. OPTIONAL FOR GROUND MOUNTED SOUND BARRIER.



DETAILS FOR WALL MOUNTED SOUND BARRIER  
10 FOOT POST SPACING



SECTION C - C  
SCALE: 2" = 1'-0"

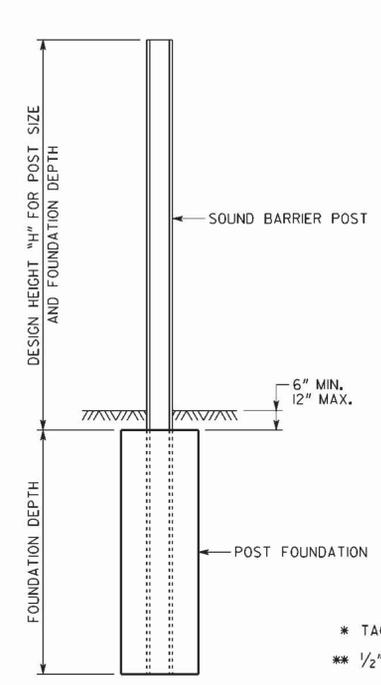
DESIGN HEIGHT "H"	BOLT SIZE	
	BOLT DIAMETER	EMBEDMENT
6' TO 10'	3/4"	2'-0"
10' TO 14'	1"	2'-6"
14' TO 18'	1 1/4"	3'-6"
18' TO 24'	1 1/2"	4'-6"

NOTE: SOUND BARRIERS SHALL ONLY BE ATTACHED TO BARRIERS OR RETAINING WALLS WHICH HAVE BEEN SPECIFICALLY DESIGNED FOR THE LOADING FROM THE SOUND BARRIER.

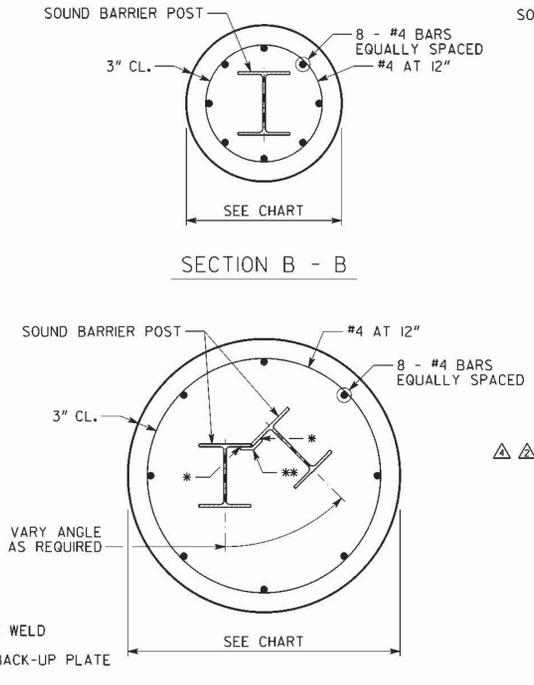
DETAILS FOR WALL MOUNTED SOUND BARRIER  
10 FOOT POST SPACING

NOTE: MAXIMUM HEIGHT ON BRIDGE = 12'-0"  
MAXIMUM HEIGHT ON M.S.E. WALL = 18'-0"

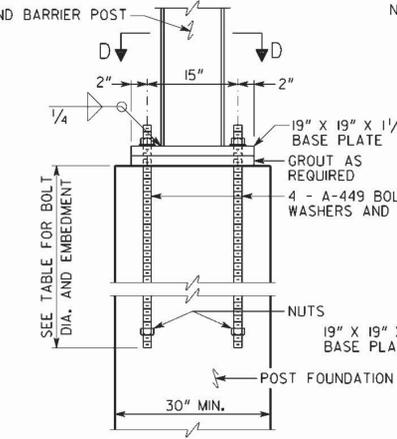
DETAILS FOR BARRIER MOUNTED SOUND BARRIER



GROUND MOUNTED SOUND BARRIER  
SCALE: 3/8" = 1'-0"

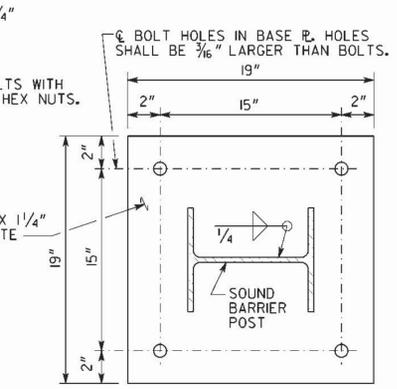


CORNER POST BASE DETAIL  
DETAILS FOR GROUND MOUNTED SOUND BARRIER



DETAIL FOR ALTERNATE POST TO FOUNDATION CONNECTION DETAIL  
10, 15 AND 20 FOOT POST SPACING

NOTE: POST AND BASE PLATE SHALL BE GALVANIZED AFTER ALL FABRICATION IS COMPLETE.  
THIS DETAIL DOES NOT APPLY FOR SOUND BARRIERS OVER 24'-0" HIGH.



SECTION D-D  
SCALE: 2" = 1'-0"

HEIGHT	BOLT Ø	EMBED
6' TO 12'	3/4"	2'-0"
12' TO 16'	1"	3'-0"
16' TO 20'	1 1/4"	4'-6"
20' TO 24'	1 1/2"	6'-0"

POST BOLTED TO DRILLED SHAFT

REMOVED ADHESIVE ANCHOR	01-10-12	<b>DEPARTMENT OF TRANSPORTATION</b> STATE OF GEORGIA  <b>CONSTRUCTION DETAIL</b>  <b>SOUND BARRIER</b> <b>FOUNDATION AND POST DETAILS</b>  SCALE 3/8" = 1'-0" (UNLESS NOTED) MAY 2004	NUMBER N-1 B PAGE 2 OF 2
REVISED TABLE AND DETAIL	11-16-11		
REVISED TABLE AND DETAIL	03-22-08		
REVISED TABLE AND DETAIL	01-09-08		
REVISED TABLE AND DETAIL	02-24-05		
DESIGNED	JPT/DLC	REVIEWED	JPT/MCD
DRAWN	DLC	APPROVED	PVL
CHECKED	SWW		
DESIGN GROUP	SWW		