

DESIGN HEIGHT "H"	ANCHOR **
6' TO 7.9'	HILTI HVA ADHESIVE ANCHOR, 3/4" Ø BOLT
8' TO 11.9'	HILTI HVA ADHESIVE ANCHOR, 1" Ø BOLT
12' TO 17.9'	HILTI HVA ADHESIVE ANCHOR, 1 1/4" Ø BOLT
18' TO 26'	1 1/2" Ø BOLT WITH PLATE

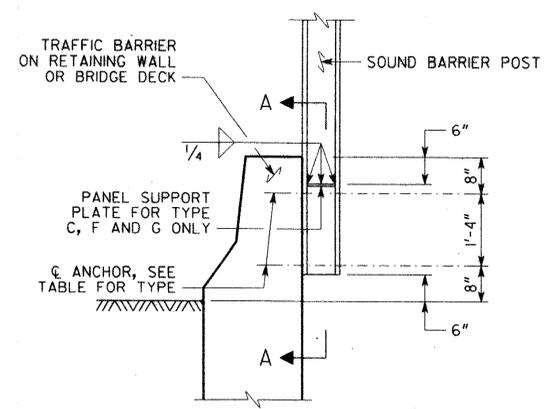
POST SIZE	GAGE FOR BOLTS
W8X24	3 1/2"
W8X31	5 1/2"
W10X33	5 1/2"
W10X39	5 1/2"
W12X40	5 1/2"
W12X45	5 1/2"

DESIGN HEIGHT "H"	ANCHOR DIAMETER	BOLT HOLE SIZE
UP TO 5.9'	3/8"	7/16"
6' TO 7.9'	1/2"	11/16"
8' TO 9.9'	5/8"	13/16"
10' TO 11.9'	3/4"	15/16"
12' TO 13.9'	7/8"	1 1/16"
14' TO 15.9'	1"	1 3/16"
16' TO 17.9'	1 1/8"	1 5/16"

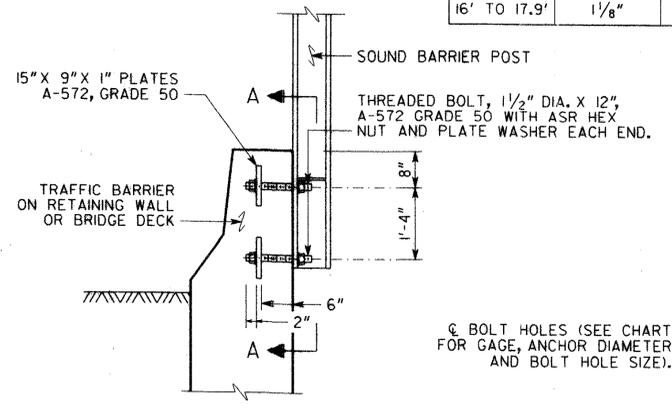
NOTES: SOUND BARRIER SHALL NOT BE MOUNTED ON SIDE BARRIERS AS SHOWN IN GA STD 4948.

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

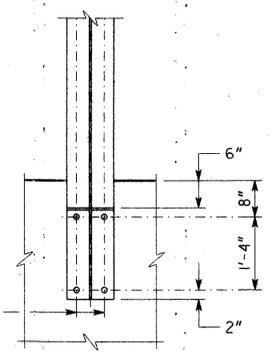
** AT CONTRACTOR'S OPTION, OTHER CHEMICAL ADHESIVE ANCHORS ON THE GA DOT QUALIFIED PRODUCTS LIST MAY BE USED TO ATTACH SOUND BARRIER POSTS TO THE BACK OF TRAFFIC BARRIER IN LIEU OF THE ANCHORS SHOWN. CONTRACTOR SHALL SUBMIT MANUFACTURER'S BROCHURE AND LOAD CAPACITY INFORMATION TO THE ENGINEER FOR APPROVAL BEFORE ORDERING ANCHORS. CHEMICAL ANCHORS SHALL NOT BE USED FOR GROUND MOUNTED OR WALL MOUNTED SOUND BARRIERS.



DETAIL FOR SOUND BARRIER MOUNTED ON TRAFFIC BARRIER



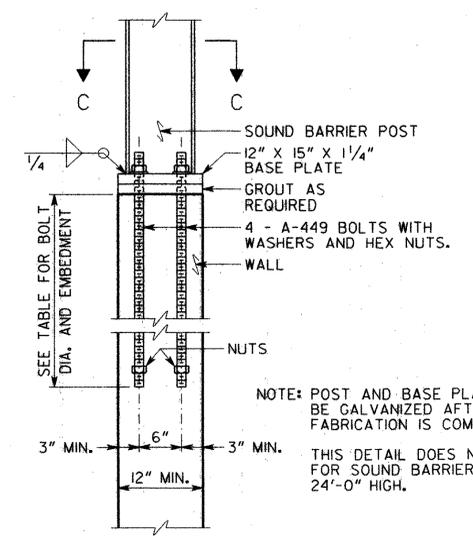
ANCHOR DETAIL FOR SOUND BARRIER BETWEEN 18'-0" AND 26'-0"
DETAILS FOR BARRIER MOUNTED SOUND BARRIER



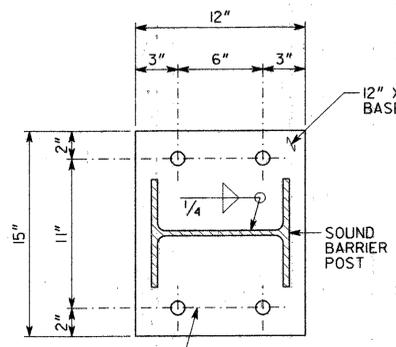
SECTION A - A

POST SIZE	PANEL SUPPORT PLATE SIZE *
W8X24	3 1/8" X 7 1/8" X 1/2"
W8X31	3 3/8" X 7 1/8" X 1/2"
W10X22	2 3/4" X 9 3/8" X 1/2"
W10X26	2 3/4" X 9 1/4" X 1/2"
W10X33, 39, 45	3 3/8" X 8 7/8" X 1/2"
W12X40, 45	3 7/8" X 11" X 1/2"

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



DETAILS FOR WALL MOUNTED SOUND BARRIER



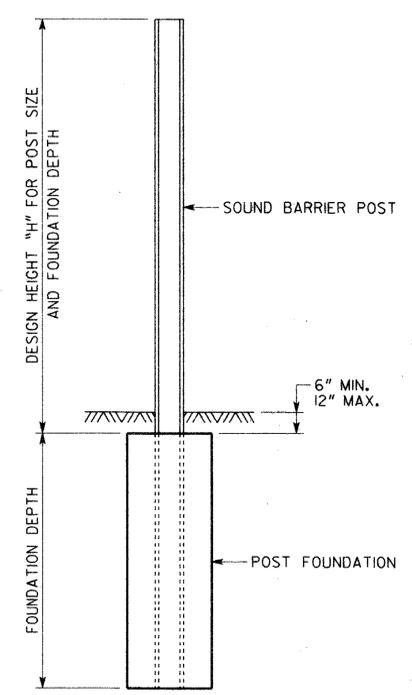
SECTION C - C
SCALE: 2" = 1'-0"

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"

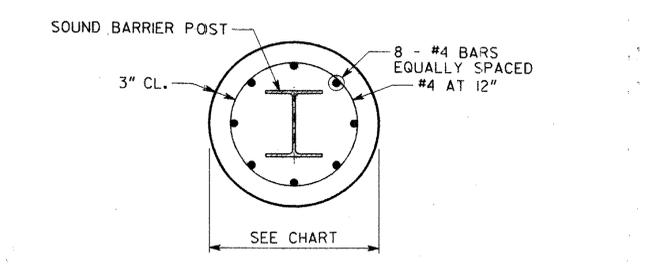
⊕ BOLT HOLES IN BASE P. HOLES SHALL BE 1/16" LARGER THAN BOLTS.

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

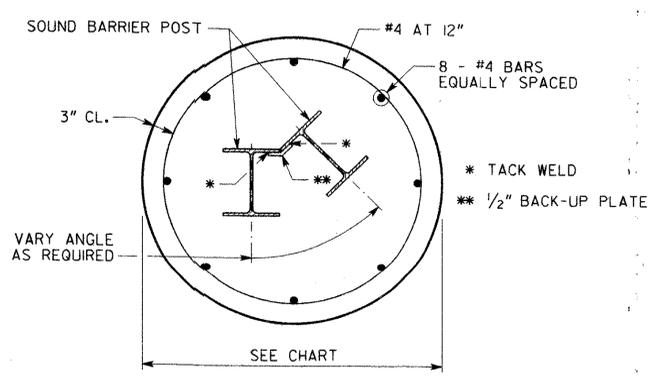
DETAILS FOR WALL MOUNTED SOUND BARRIER



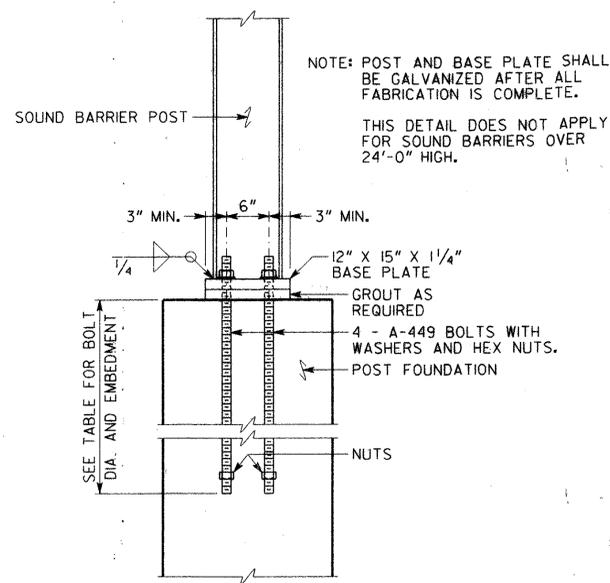
GROUND MOUNTED SOUND BARRIER
SCALE: 3/8" = 1'-0"



SECTION B - B



CORNER POST BASE DETAIL
DETAILS FOR GROUND MOUNTED SOUND BARRIER



DETAIL FOR ALTERNATE POST TO FOUNDATION CONNECTION DETAIL

REVISIONS DATE: 02-21-05 BY: DLC REV. TABLE AND NOTE		GEORGIA DEPARTMENT OF TRANSPORTATION PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN	
SOUND BARRIER FOUNDATION AND POST DETAILS		SCALE: 1" = 1'-0" (UNLESS NOTED)	
WALL SHEET 2 OF 3		DESIGNED: JPT/DLC DRAWN: DLC	CHECKED: SWW DESIGN GROUP: SWW
		REVIEWED: JPT/MCD APPROVED: PVL	MAY 2004