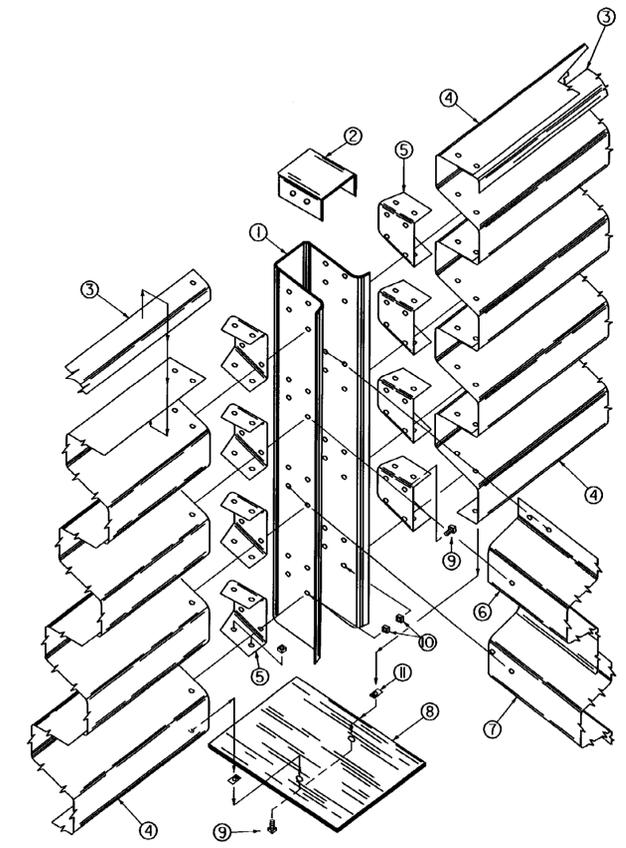
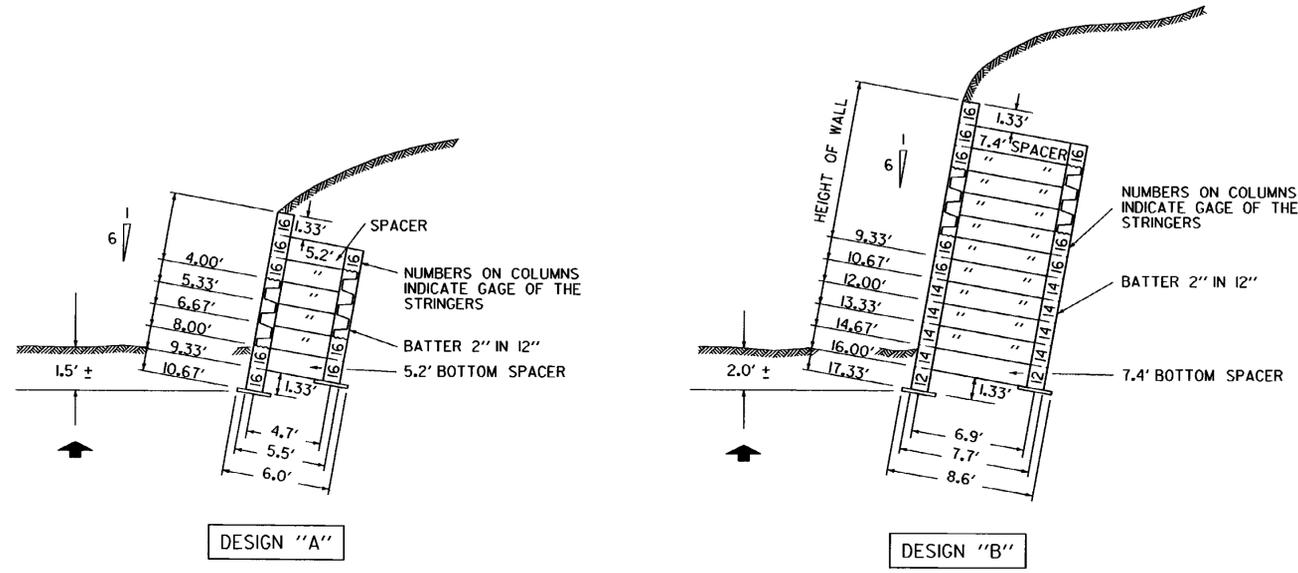


SELECTION OF DESIGN

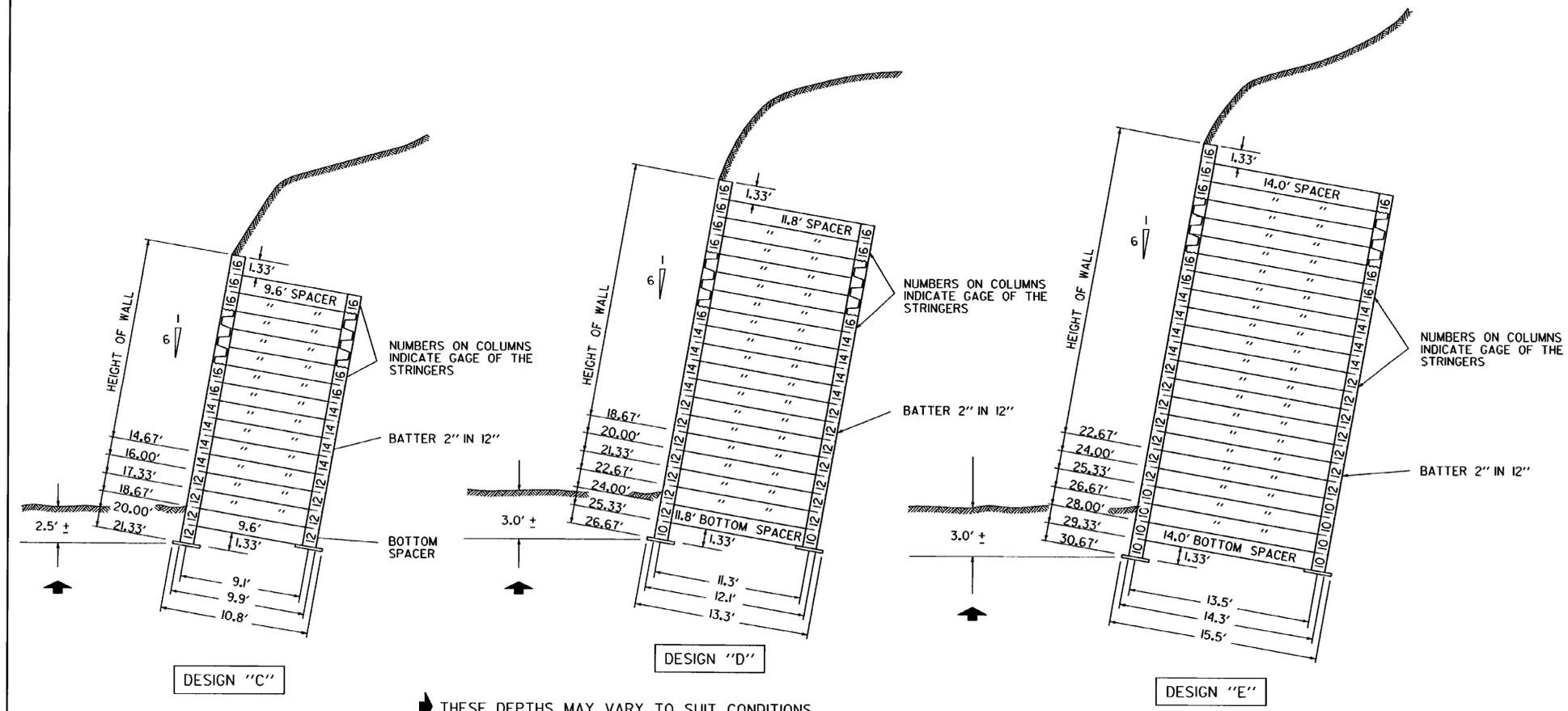
GENERALLY, WALLS WITH LEVEL SURCHARGE SHOULD HAVE A BASE WIDTH EQUAL TO 45 % OF THE HEIGHT. WALLS WITH A SLIGHT SURCHARGE BUT WITH SUPER-IMPOSED TRAFFIC LOADS NEAR THE WALL SHOULD HAVE A BASE WIDTH EQUAL TO 50 % OF THE HEIGHT. WALLS WITH INFINITE SURCHARGE SHOULD HAVE A BASE WIDTH EQUAL TO 55 % OF THE HEIGHT. WHERE WALL HEIGHT VARIES RAPIDLY IT MAY BE MORE ECONOMICAL TO USE THE SAME WIDTH THROUGHOUT. FOR EXAMPLE, ON A SHORT WALL THAT VARIES FROM 8 TO 16 FEET IN HEIGHT, DESIGN "B" IS SUGGESTED EVEN THOUGH DESIGN "A" MIGHT BE SATISFACTORY FOR PART OF THE WALL.



ASSEMBLY DIAGRAM

LIST AND DESCRIPTION OF UNITS

UNIT NO.	NAME	DESCRIPTION
1	COLUMN	VERTICAL MEMBER CONNECTING ALL OTHER UNITS
2	COLUMN CAP	COVER FOR FRONT COLUMN
3	STRINGER STIFFENER	TOP FLANGE PROTECTOR
4	STRINGER	HORIZONTAL LONGITUDINAL MEMBERS IN FRONT AND REAR WALLS
5	CONNECTING CHANNEL	CONNECTOR FOR ATTACHING STRINGERS TO COLUMNS
6	SPACER	TRANSVERSE MEMBERS THAT SEPARATE THE FRONT AND THE REAR COLUMNS
7	BOTTOM SPACER	SPECIAL BOTTOM TRANSVERSE MEMBER
8	BASE PLATE	INSTALLATION PLATE ON WHICH THE COLUMN RESTS
9	1 1/4" x 5/8" BOLTS	
10	5/8" NUTS	
11	5/8" SPRING NUTS	

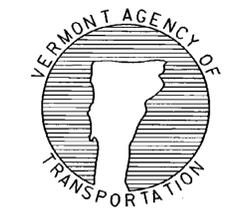


THESE DEPTHS MAY VARY TO SUIT CONDITIONS

REVISIONS AND CORRECTIONS
 DEC. 14, 1971 - ORIGINAL APPROVAL
 JUNE 1, 1994 - REISSUED, WITHOUT CHANGE,
 UNDER NEW SIGNATURES.

APPROVED
 APPROVED FOR THIS PROJECT
 AND/OR DESIGN IMPLEMENTATION.
 FHWA FINAL APPROVAL PENDING.
 Gordon D. MacArthur, P.E.
 DIRECTOR OF ENGINEERING
 Robert M. Murphy, P.E.
 DESIGN ENGINEER

METAL BIN-TYPE RETAINING WALL



STANDARD H-1a