

FOUNDATION NOTES

FOUNDATION DESIGN #
See Reference Sheet 31 for standard foundation design.

Review shall include alternative foundation types where CIDH pile foundation is not recommended.
Project Plans and Structure Details may need revisions per foundation recommendations.

Not to be included in contract documents.

- # Instructions for using this sheet:
1. Read "FOUNDATION NOTES" above.
 2. Choose the type of CMS desired, and place this information in "Table 1" under the heading "CMS Type".
 3. Determine the "h" value based on site information, and enter that value in "Table 1" under the heading "h".
 4. Find the "h" value in "TABLE Q" of the type of CMS you are using and find the quantity given in either the "1 side" or "2 sides" column, and enter this value in "Table 1" under the "FURNISH" heading and the "INSTALL" heading. Indicate on this sheet if you are using walkways on 1 side or two sides of truss by choosing the appropriate note "1".
 5. Continue to fill in "Table 1" with the appropriate corresponding values for CMS you are using.

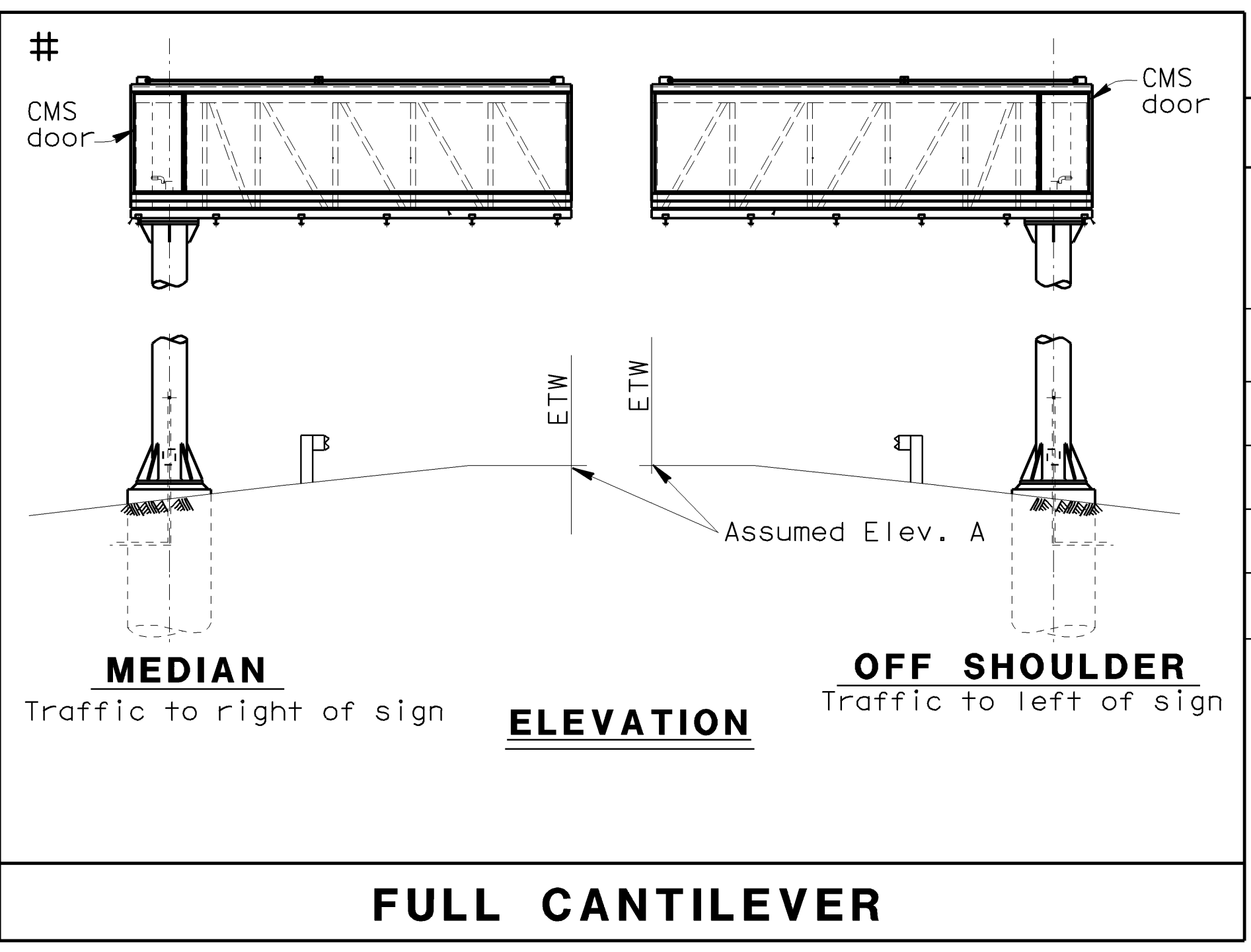


TABLE Q (QUANTITIES)

"h" (ft)	Weight (lbs) walkway 1 side	Weight (lbs) walkway 2 sides
16	13,385	15,166
18	13,640	15,422
20	13,896	15,677
22	14,152	15,933
24	14,410	16,189

FULL CANTILEVER

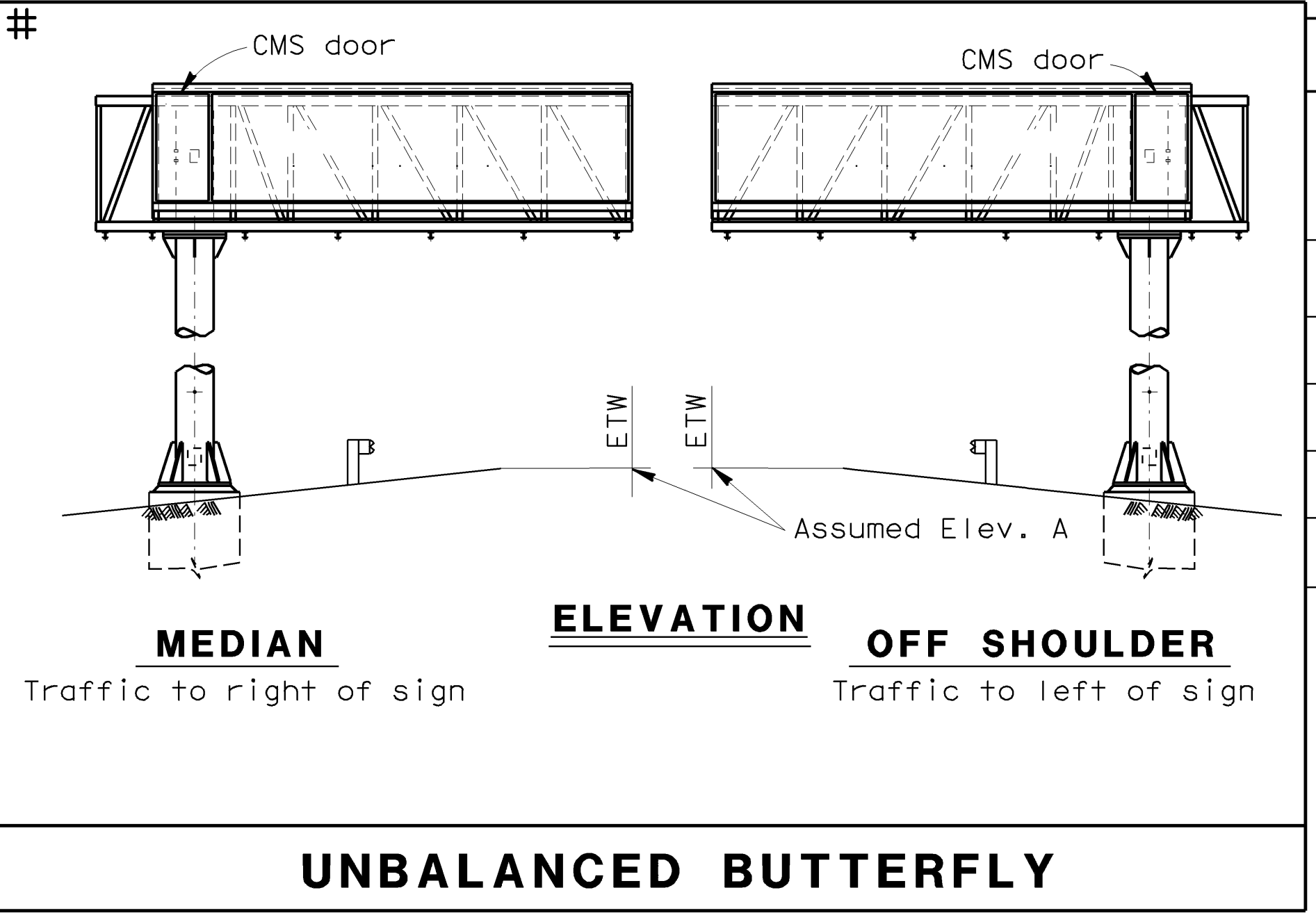


TABLE Q (QUANTITIES)

"h" (ft)	Weight (lbs) walkway 1 side	Weight (lbs) walkway 2 sides
16	14,260	16,312
18	14,516	16,568
20	14,771	16,824
22	15,207	17,082
24	15,283	17,338

UNBALANCED BUTTERFLY

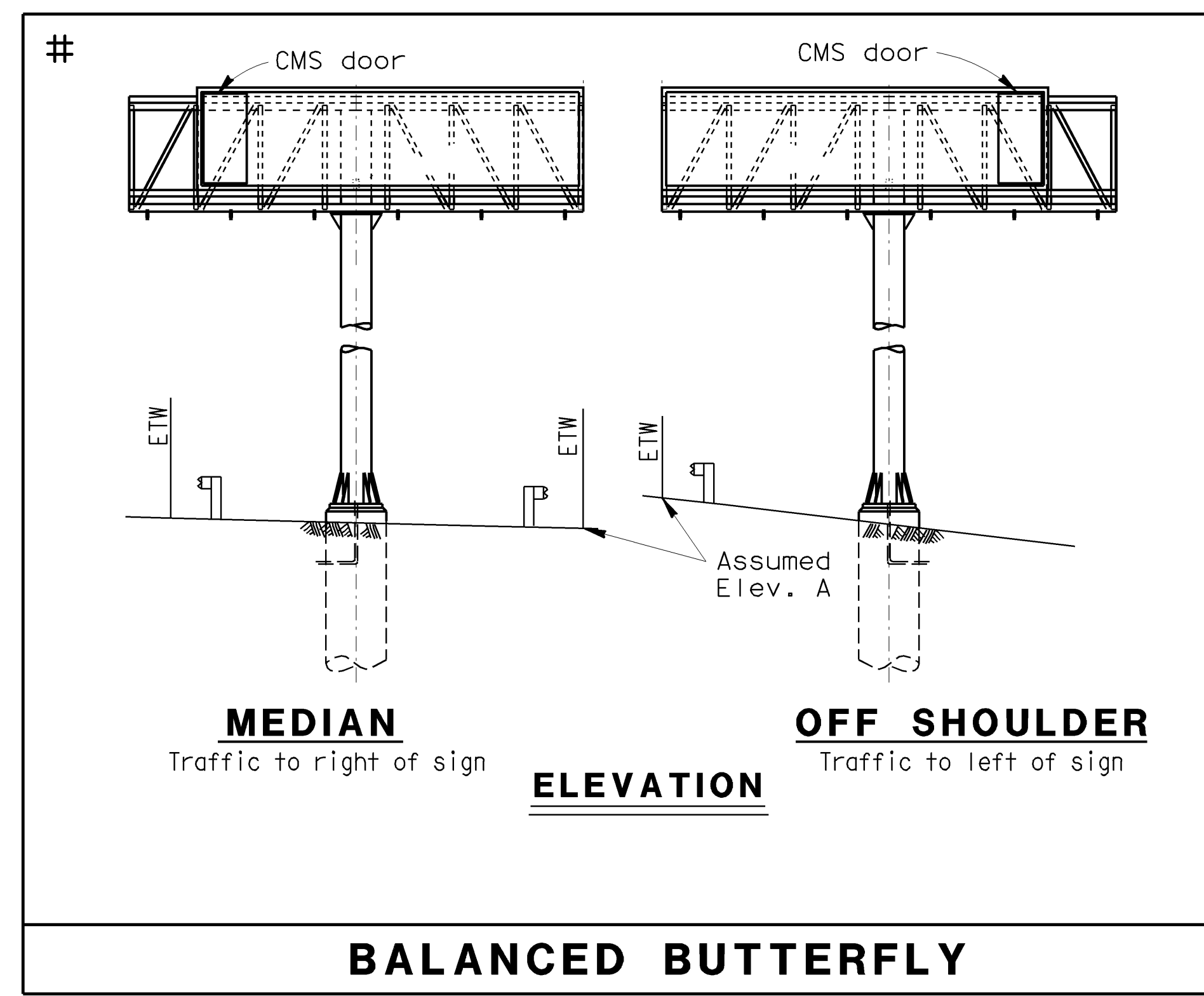


TABLE Q (QUANTITIES)

"h" (ft)	Weight (lbs) walkway 1 side	Weight (lbs) walkway 2 sides
16	14,275	16,268
18	14,531	16,524
20	14,787	16,780
22	15,042	17,035
24	15,298	17,291

BALANCED BUTTERFLY

TABLE 1

CMS Type	Loc No.	Station	Route	Orientation	X (ft)	"h" (ft)	Assumed Elev A (ft)	** Elev B (ft)	QUANTITIES		
									Furnish (lbs)	Install (lbs)	5'-0" Dia CIDH Pile (ft)
							100.00		See TABLE Q	See TABLE Q	*

* See data from foundation recommendations
** Assumed Elev. B is at bottom of base plate

- NOTES:
1. Quantities are based on either 1-side or 2-sides walkway.
 2. For layout and dimensions see "LAYOUT" sheet.
 3. Quantities do not include "State furnished CMS Panel".
 4. The contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**SIGN PLAN
MODEL 500
CHANGEABLE MESSAGE SIGNS
OVERHEAD SIGN TRUSS SINGLE POST
DESIGN TABLE**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans SPECIAL DESIGNS BRANCH

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DETAILS

QUANTITIES

DATE