

# I-Rock Industries

Smart-Tie Sound Wall System

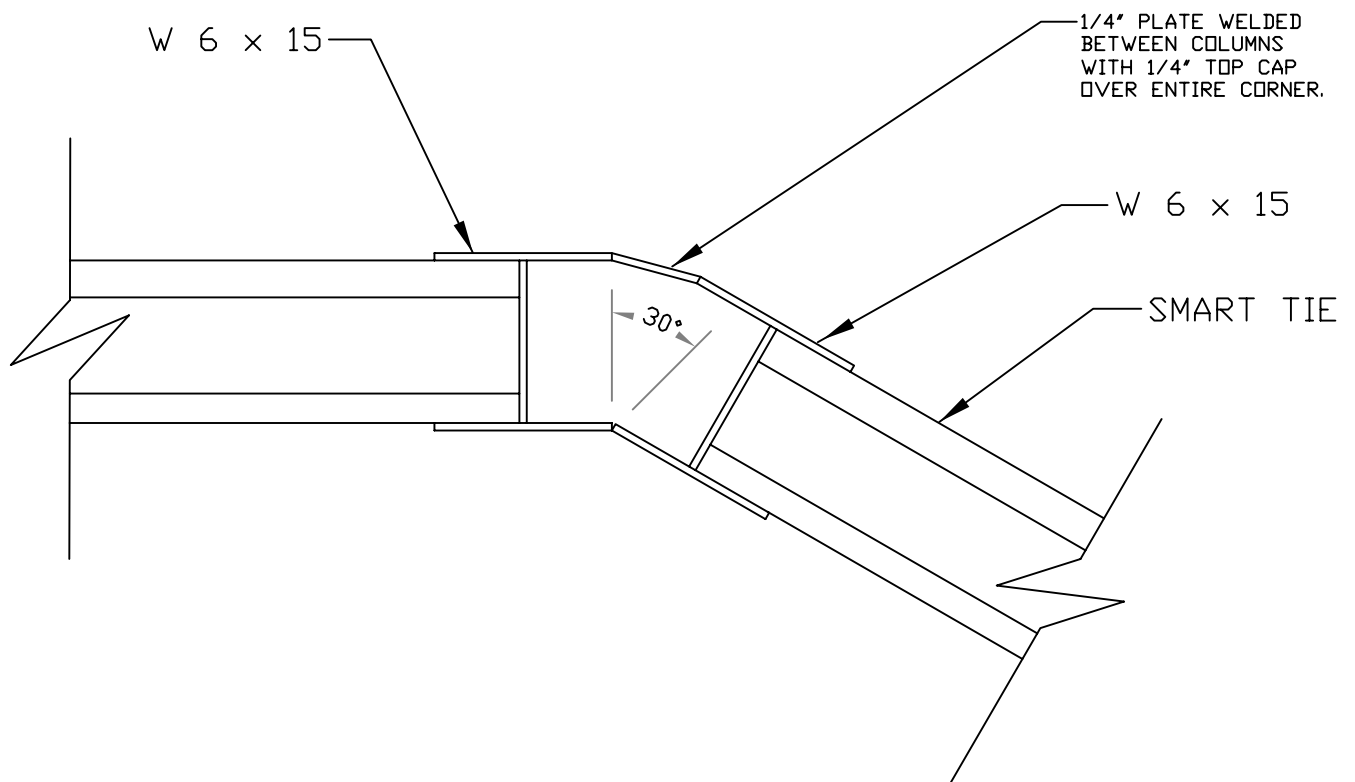
The following drawings and specifications are for conceptual purposes only and not to be used for construction.

# I-Rock

## Smart Tie Upright Support System

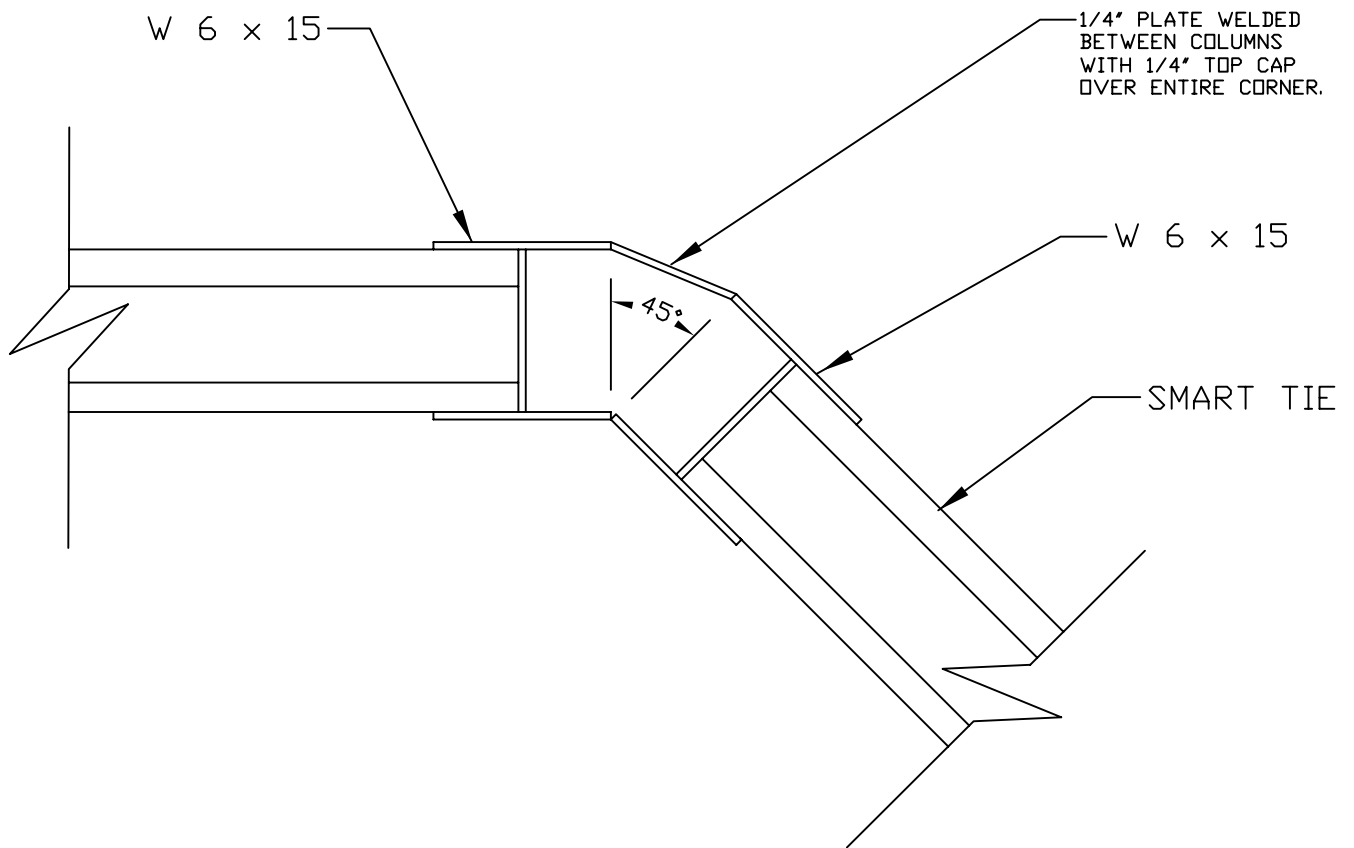
Desired Height	# of Smart Ties	Actual Height	Base Plate	Beam Size	Detail ID #
1'-0"	2	1'-4 1/2"	12"x12"x1/2"	W 6 x 15	A
2'-0"	3	2'-1/2"	12"x12"x1/2"	W 6 x 15	A
3'-0"	5	3'-4 1/2"	12"x12"x1/2"	W 6 x 15	A
4'-0"	6	4'-1/2"	12"x12"x1/2"	W 6 x 15	A
5'-0"	8	5'-4 1/2"	12"x12"x1/2"	W 6 x 15	A
6'-0"	9	6'-1/2"	12"x12"x1/2"	W 6 x 15	A
7'-0"	11	7'-4 1/2"	12"x12"x1/2"	W 6 x 15	A
8'-0"	12	8'-1/2"	12"x12"x1/2"	W 6 x 15	A
9'-0"	14	9'-4 1/2"	12"x12"x1/2"	W 6 x 15	A
10'-0"	15	10'-1/2"	12"x12"x3/4"	W 6 x 15	B
11'-0"	17	11'-4 1/2"	12"x12"x3/4"	W 6 x 15	B
12'-0"	18	12'-1/2"	12"x12"x3/4"	W 6 x 15	B
13'-0"	20	13'-4 1/2"	12"x12"x3/4"	W 6 x 15	B
14'-0"	21	14'-1/2"	12"x12"x3/4"	W 6 x 15	B
15'-0"	23	15'-4 1/2"	14"x14"x1"	W 6 x 15	C
16'-0"	24	16'-1/2"	14"x14"x1"	W 6 x 15	C
17'-0"	26	17'-4 1/2"	14"x14"x1"	W 6 x 15	C
18'-0"	27	18'-1/2"	14"x14"x1"	W 6 x 15	C
19'-0"	29	19'-4 1/2"	14"x14"x1"	W 6 x 15	C
20'-0"	30	20'-1/2"	14"x14"x1"	W 6 x 15	C





## 30 ° ANGLE DETAIL

N.T.S.



## 45 ° ANGLE DETAIL

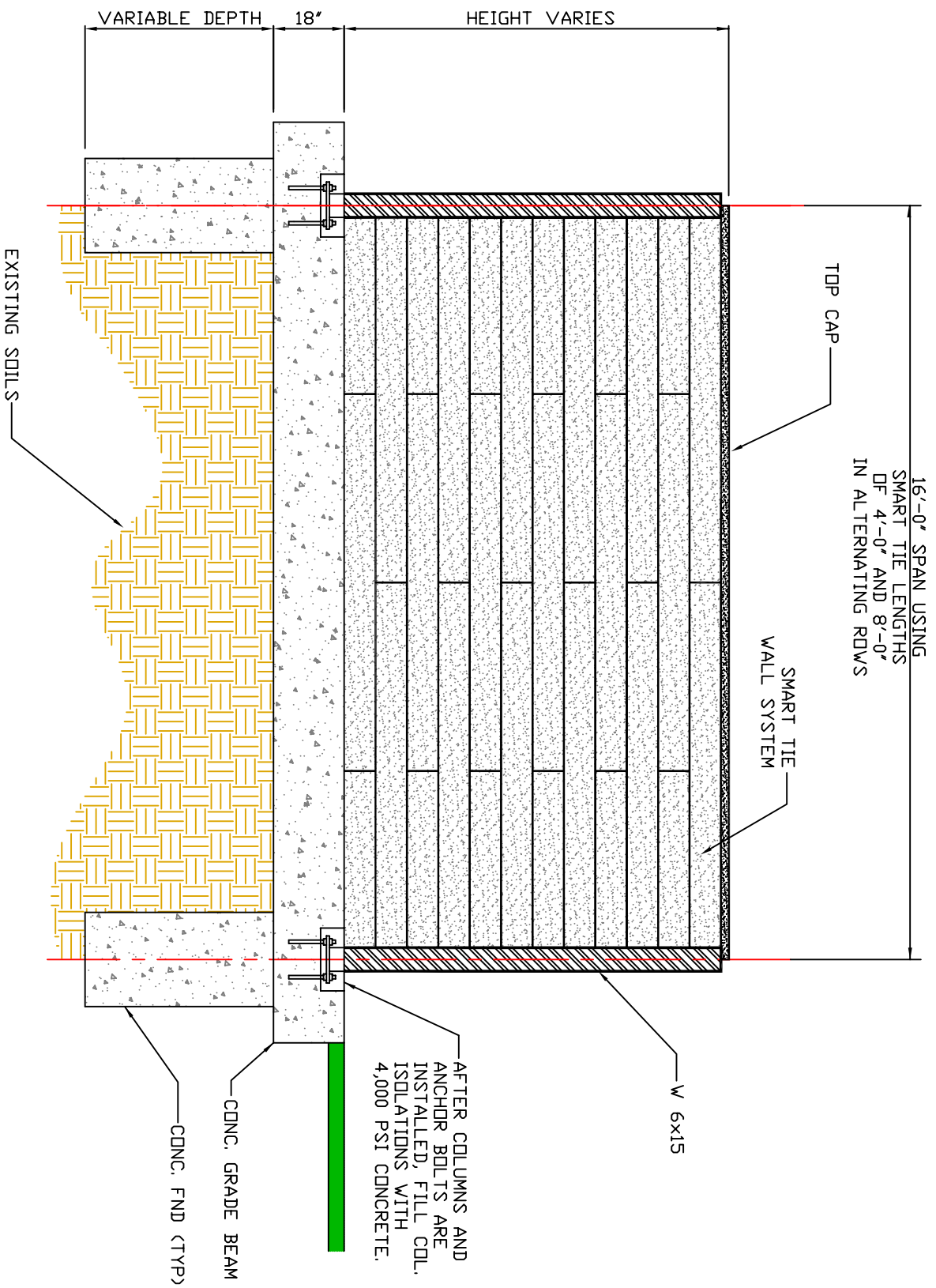
N.T.S.



NOTE: TYPICAL SECTION FOR

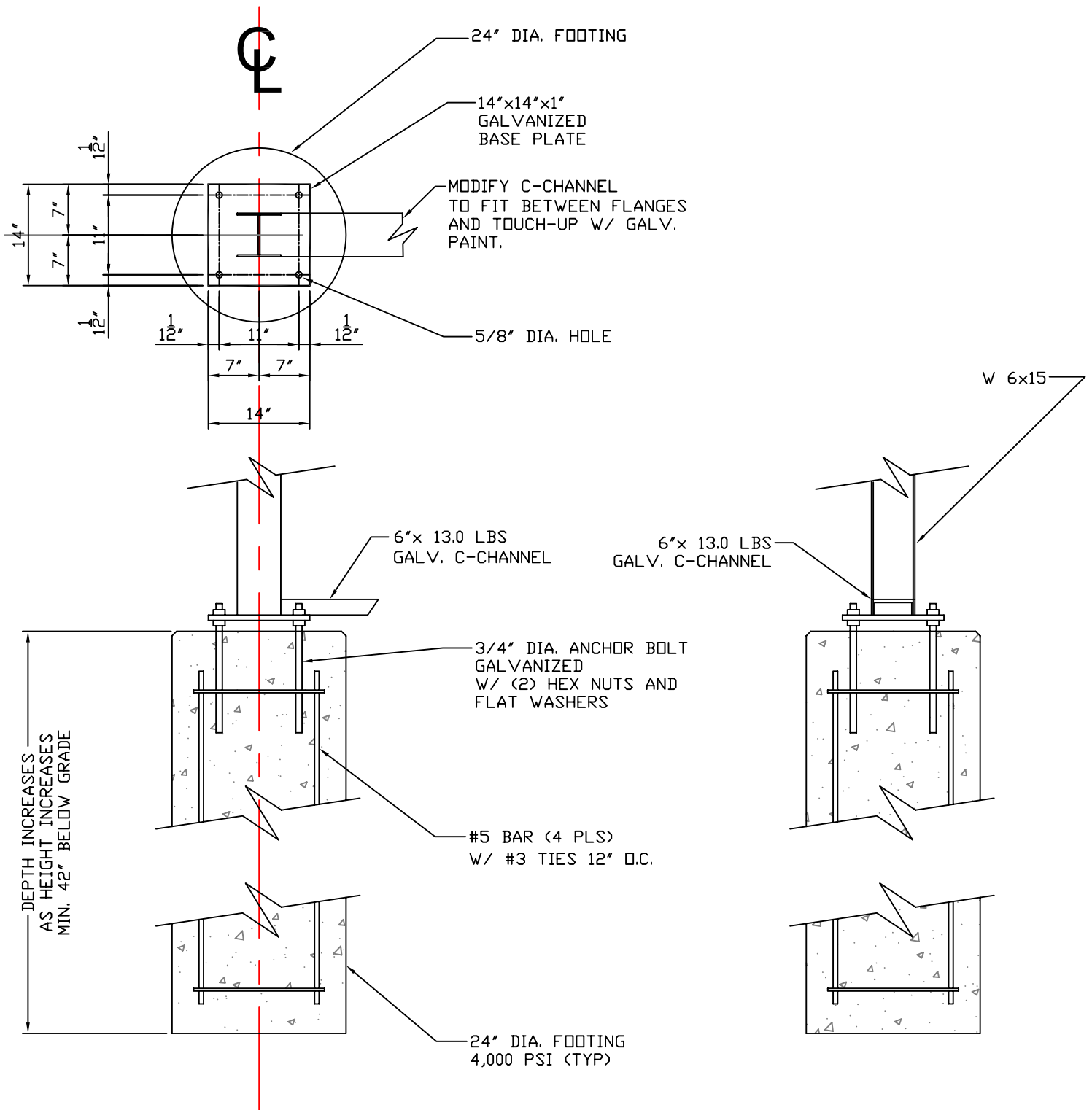
ST-8 / ST-10 / ST-12





# SIDE ELEV. OF ALTERNATING SMART-TIES

N.T.S.

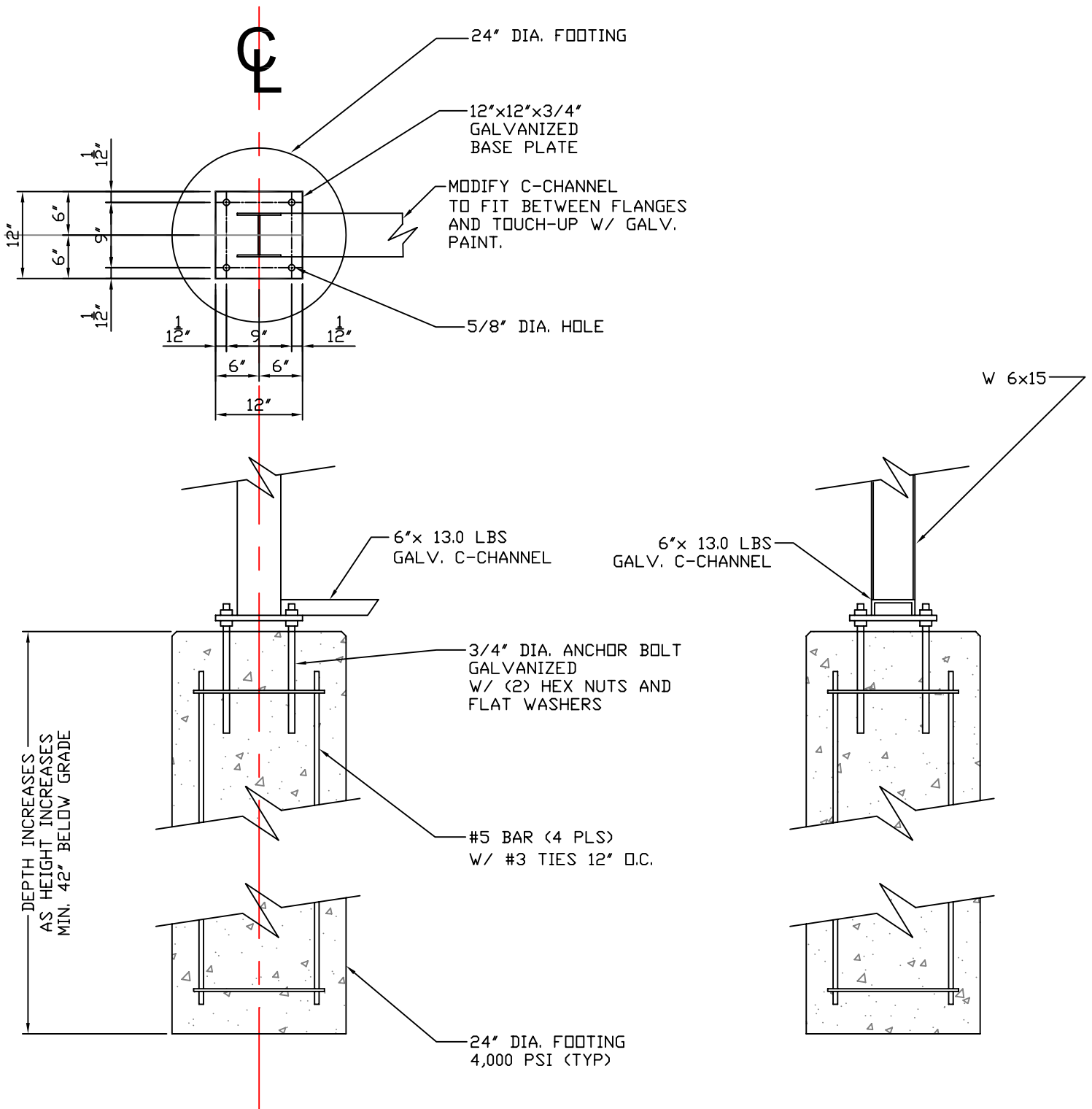


# DETAIL C

N.T.S.

NOTE:  
THIS DETAIL IS TYPICAL FOR VARYING HEIGHTS RANGING FROM 14'-0" AND UP TO OR EQUAL TO 20'-0" ABOVE GRADE.



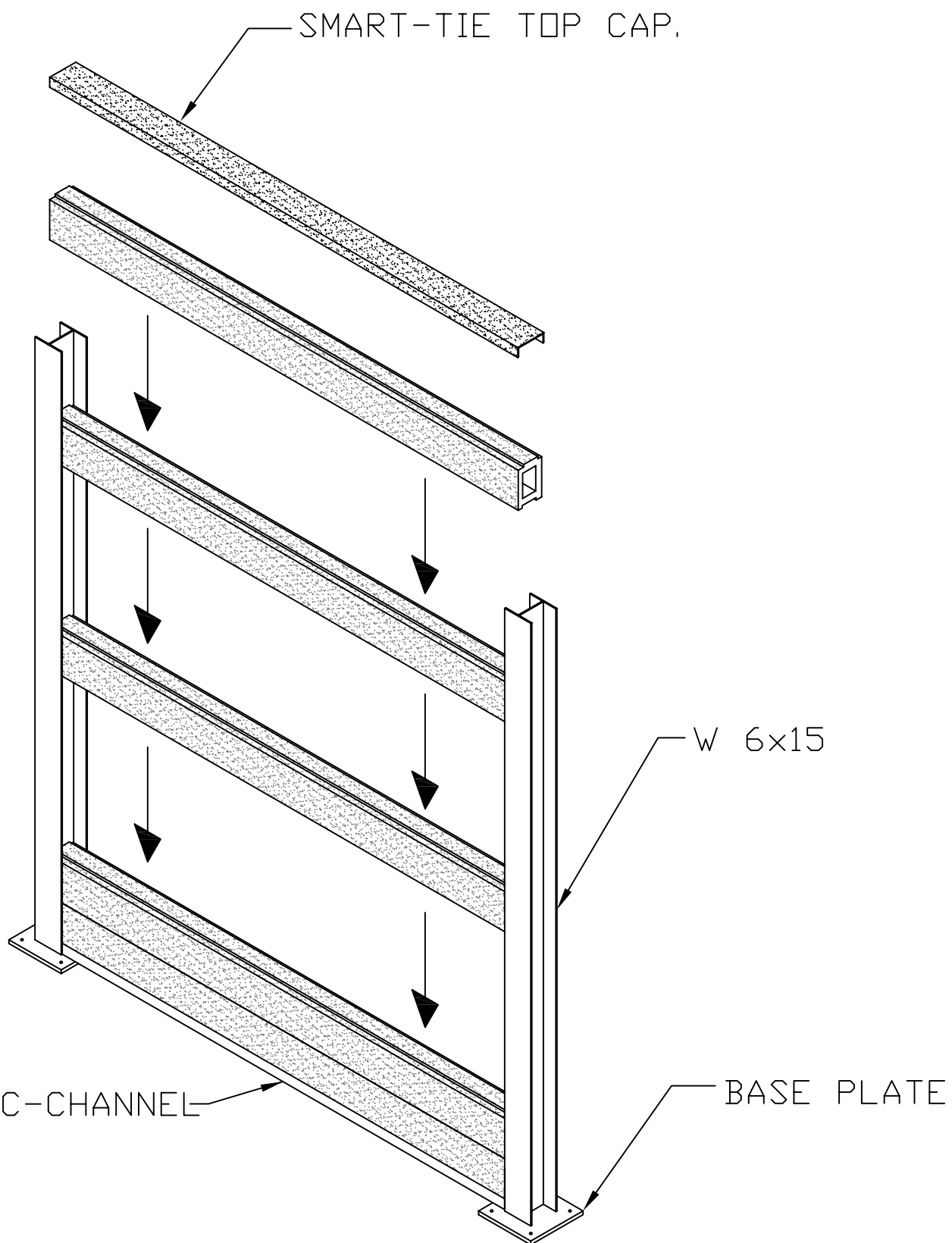


## DETAIL B

N.T.S.

NOTE:  
THIS DETAIL IS TYPICAL FOR VARYING HEIGHTS  
RANGING FROM 9'-0" AND UP TO OR EQUAL TO  
14'-0" ABOVE GRADE.

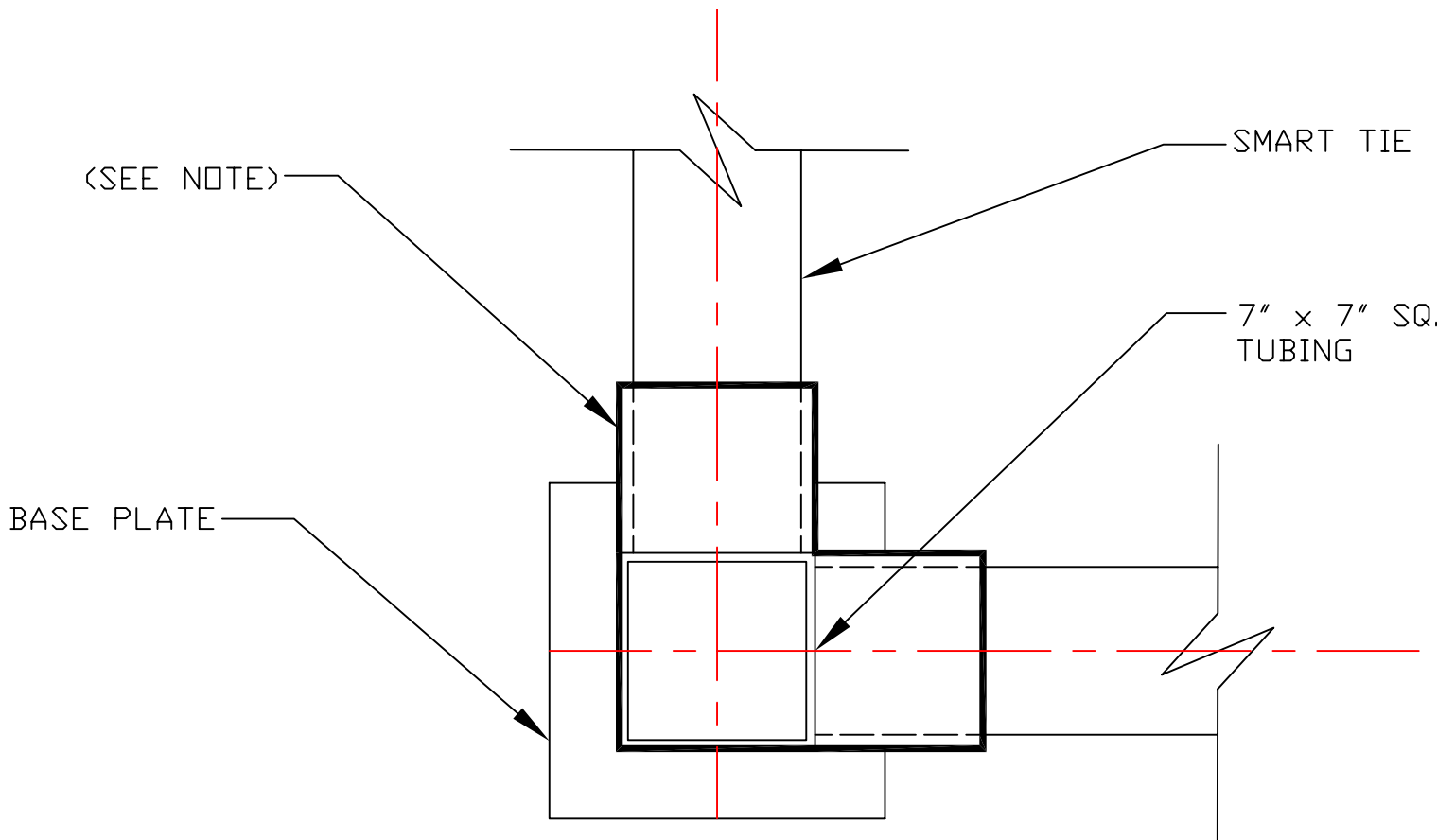




## ISO-ASSEMBLY VIEW

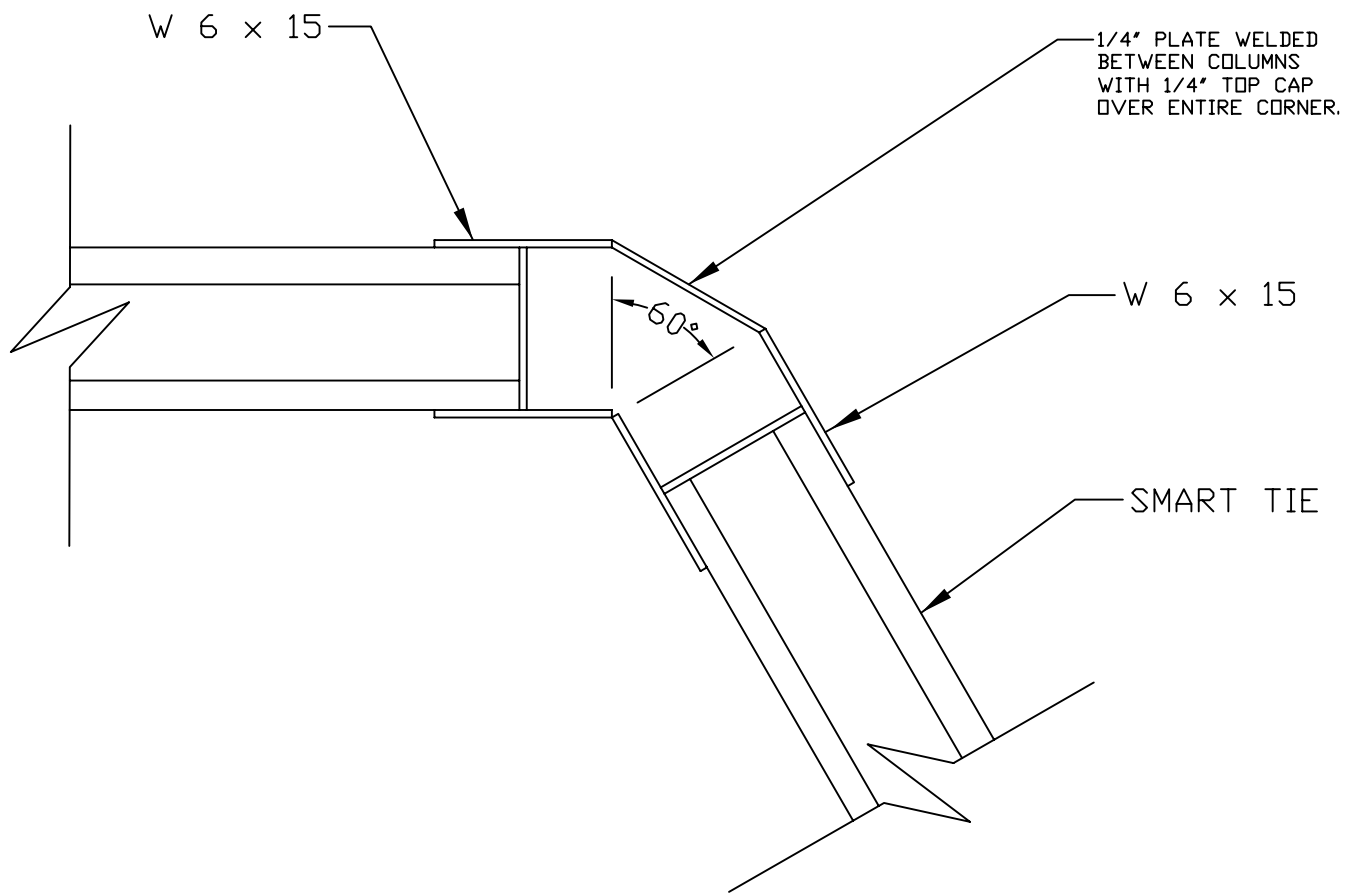
N.T.S.

NOTE: 1/2" PLATE TO BE 6" WIDE AND WILL RUN ENTIRE VERTICAL HEIGHT. PLATE SHALL BE WELDED TO THE BASE PLATE W/ A 1/4" STEEL CAP OVER TOP OF THE CORNER. TOP CAP TO BE FIELD WELDED.



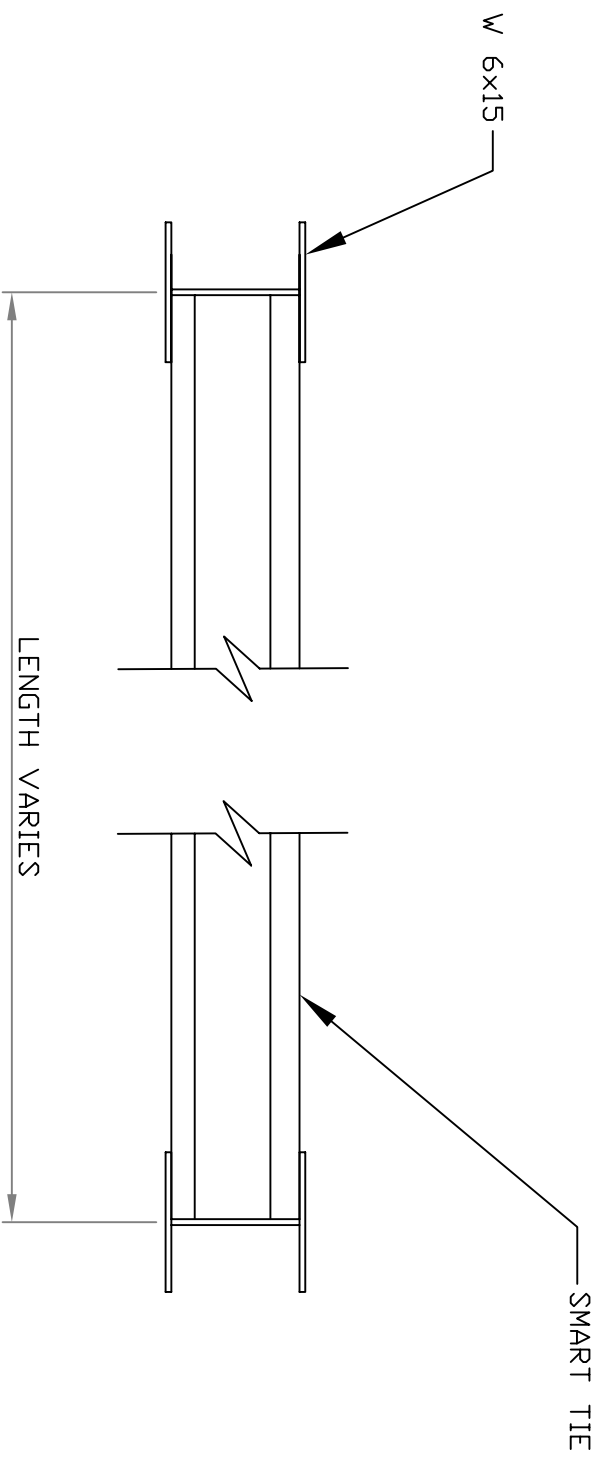
## 90 ° ANGLE DETAIL

N.T.S.



## 60 ° ANGLE DETAIL

N.T.S.



# TOP VIEW

N.T.S.

NOTE:  
LENGTH VARIES FROM 8'-0"  
TO 12'-0."