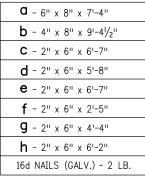


ELEVATION OF FOUNDATION

**
WHEN CAST IN PLACE,
LONGITUDINAL BARS EXTENDING
FROM AND INTO THE LATERAL
SUPPORT SHALL BE BENT 90°
WITH A 2 IN RADIUS AND
CONTINUE PERPENDICULARY
10 IN FROM THE BEND



ONE TIMBER WING

a - 2" × 2" × ½" × 123.70" b - 2" × 2" × ½" × 123.70" c - 2" × 2" × ½" × 177.93"	32.88 LBS. 32.88 LBS. 47.30 LBS.	
d - 1½" × 1½" × ½" × 141.99" e - 1½" × 1½" × ½" × 106.04"		
$\mathbf{f} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{4} \times \frac{106.04}{106.04}$ $\mathbf{f} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{4} \times \frac{70.09}{106}$ $\mathbf{g} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{4} \times \frac{34.15}{106}$	21.32 LBS.	
h - 5" x 6" x ¹ / ₄ " x BAR - 2.13 LBS. i - TWO 3" x 10" x ¹ / ₄ " x BARS - 4.25 LBS.		
6" x 8" x 7'-8" TIMBER POST ————————————————————————————————————		

ONE STEEL WING

USE		PRECAST		CAST-IN-PLACE			TOTAL	
ROADWAY WIDTH (FT.)	GRILL UNITS (FT.)		CONCRETE (CU. YD.)	REINF. STEEL (LBS.)	CONCRETE (CU. YD.)	REINF. STEEL (LBS.)	A (IN.)	GRILL WEIGHT (LBS.)
16	8	8	9.4	670	9.4	670	15	5905
20	10	10	11.2	821	11.2	821	15	7345
24	12	12	13.1	934	13.1	934	15	8785
28	14	14	15.0	1059	15.0	1059	15	10224
30	10 1	0 10	14.1	1136	14.1	1136	12	10809
32	10 1	2 10	16.9	1184	16.9	1184	15	11737
38	12 1	4 12	17.3	1353	17.3	1353	12	13628
40	14 1	2 14	20.7	1419	20.7	1419	15	14617

FOUNDATION QUANTITIES

SIZE	WEIGHT (LBS.)
8'	2952
10'	3672
12'	4392
14'	5112

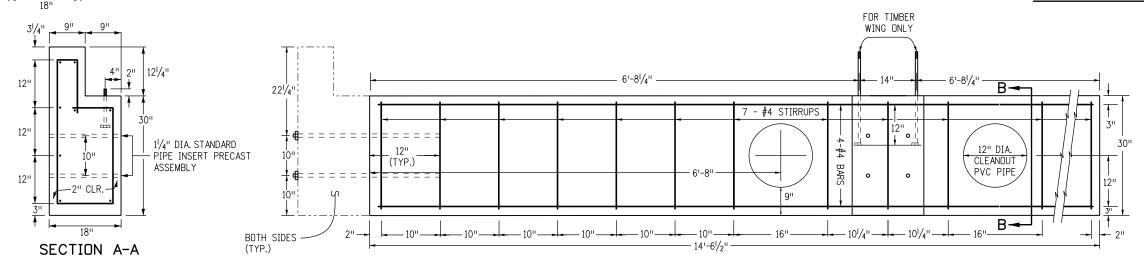
		0112	
WFIF)FD (RILL	UNITS
		LENGT	

SIZE WEIGHT (LBS.) 8' 1476 10' 1836 12' 2196 14' 2556

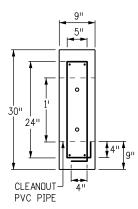
WELDED GRILL UNITS HALF LENGTH

HALF GRILLS SHALL BE BOLTED ON 18 INCH CENTERS MAX. (SEE MULTIPLE GRILL UNIT CONNECTION DETAIL ON SHEET ONE)

WING QUANTITIES



ELEVATION OF LATERAL SUPPORT



SECTION B-B LATERAL SUPPORT

Computer File Informa	tion
Creation Date: 07/18/14 Ir	nitials: DLM
Last Modification Date: 04/30/15	nitials: LTA
Full Path: www.coloradodot.info/business/c	designsuppor
Drawing File Name: 611020202.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale	Units: English

END SECTION OF FOUNDATION

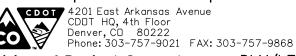
11/4" DIA. STANDARD

PIPE INSERT PRECAST

CENTRAL SUPPORT

	Sheet Revisions			
	Date:	Comments		
$\overline{\mathbb{R}-X}$				
(R-X)				
$\overline{R-X}$				
(R-X)				

Colorado Department of Transportation



Division of Project Support DLM/LTA

DEER GUARD

M-611-2

Sheet No. 2 of 2

STANDARD PLAN NO.

Issued By: Project Development Branch July 18, 2014