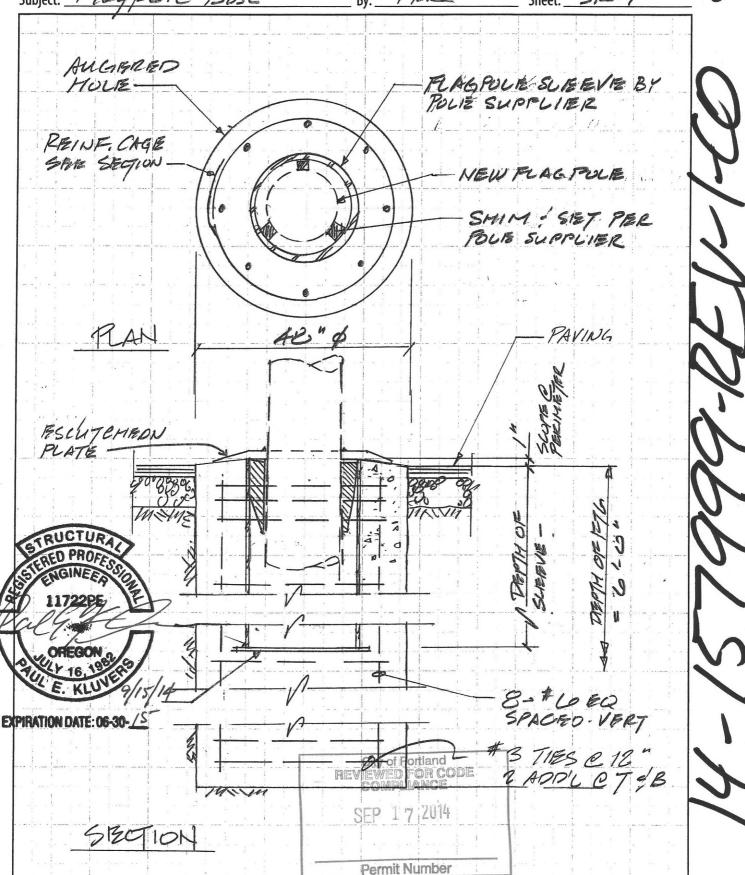


**COMPUTATION SHEET** 

Revised 9-15-14

Project: Tri Met/Center St. No: Date: 4-9-14

Subject: Plagpule Base By: Tthe Sheet: 518-1





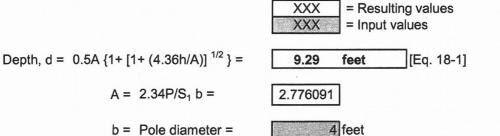
# **COMPUTATION SHEET**

Project:		No:		Date:
Subject: Plugpole	Base	By:		Sheet:
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7.10 M	1 0 440:			Permit Number
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This is	equiv. to	P= 17	40 e 2	5' → change
				Do 50,

## Embedded Pole Footing [per 2009 IBC/2010 OSSC Section 1807.3]

(Notes: Applied P is based on maximum moment capacity of selected post)

### A. Nonconstrained Footing:



d = Embedment = 5.5 feet (trial depth of embedment)

h = Distance to load, P = 20 feet

P = Applied Lat. Force = 1740 lbs

 $S_1$  = Allow. Lat. Soil Pres. 366.67 psf (See below)

### Compute S<sub>1</sub> and S<sub>3</sub>:

	A11 = 1		
	Allow Fdn	Lateral	
	Pressure	Bearing*	
Material	(psf)	(psf)	
Crystalline Bedrock	12,000	1,200	
Sed/Foliated Rock	4,000	400	
Sandy Gravel/Gravel	3,000	200	
Sand, Silty/Clay Snd	2,000	150	
Clay, Sandy Clay	1,500	100	
* psf/foot below natural grade			
Selected Values:		200	
S <sub>1</sub> =	366.67	psf	
S <sub>3</sub> =	1100	psf	

#### **B.** Constrained Footing:

(Constraint provided by rigid floor or pavement)

Depth, d =  $[4.25(Ph/S_3b)]^{1/2}$  = 5.80 feet Compare with trial depth above, = 5.5 fee

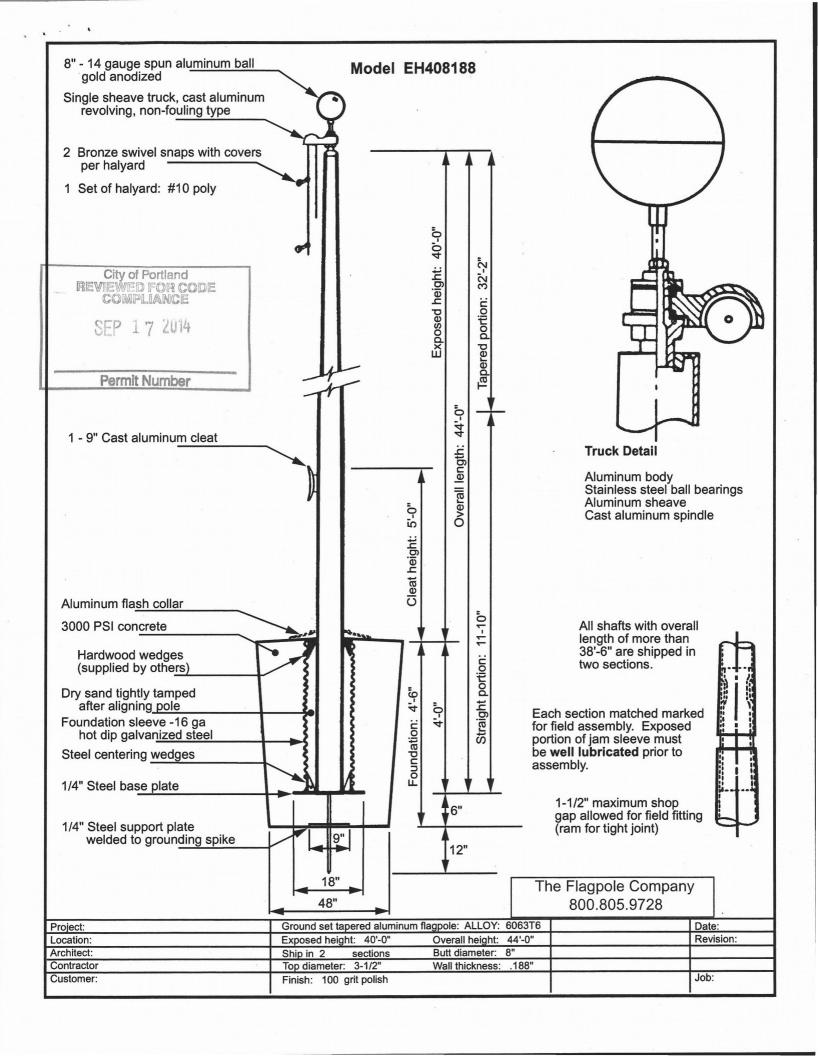
**Trial and Error Output Recap:** 

-			
		Type A	Type B
1	Trial	Footing	Footing
1	Depth	Depth	Depth
	4		
	5		
	6		
I	7		



## **COMPUTATION SHEET**

Project:		A-1809 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900	No:		Date:	
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## City of Portland, Oregon - Bureau of Development Services



1900 SW Fourth Avenue • Portland, Oregon 97201 • 503-823-7300 • www.portlandoregon.gov/bds

## Permit Revision Application and Submittal Requirements

A Permit Revision is required when there are proposed changes to the project after the permit has been issued. This may arise due to discrepancies between the city-approved permit drawings and actual field conditions, or the customer has changed their mind about an aspect of the project. In all cases, a revision to the existing permit must be submitted, reviewed and approved.

Applicants will provide:  A copy of this application  Three (3) sets of plans that clearly reflect the proportion change(s).  Drawings and calculations must be stamped and so by the Architect and/or the Engineer of Record, if applicable.	Inspector's correction notice if	as an assigned process ng submittal of the revision). applicable f revision is due to		
Contact Information: Contact name Karen Karlsson - KLK Consulting Address 906 NW 23rd Ave				
	e Oregon Z	Zip Code 97210		
Phone 503-515-6865	ail karen@klk-consulting.com			
Value of proposed revision \$2,000	Issued permit # 14-157999-CO			
Description of revision Enlarge size of foundation to match new pole.				
		,		

The Permit Revisions are subject to fees associated with plan review, processing and any increase in project value. Additional fees may apply if adding plumbing fixtures.

The Bureau of Development Services fee schedule is available under the fees tab on the BDS web site at: www.portlandoregon.gov/bds. Fees are updated annually on July 1st.

## **Helpful Information:**

**Bureau of Development Services** 

City of Portland, Oregon 1900 SW 4th Avenue, Portland, OR 97201 www.portlandoregon.gov/bds

Submit your plans in person to:

Development Services Center (DSC), First Floor, Tuesday - Friday:

7:30 am - 12:00 pm Closed Mondays

## **Important Telephone Numbers:**

BDS main number	503-823-7300
DSC automated information line	503-823-7310
Building code information	503-823-1456
BDS 24 hour inspection request line	503-823-7000
Residential information for	
one and two family dwelling	503-823-7388
General Permit Processing and	
Fee Estimate info	503-823-7357
City of Portland TTY	503-823-6868