



Howard S. Wright
a Balfour Beatty company

1455 NW Irving Street, Suite 400
Portland, OR 97209

The Portland Building

SUBMITTAL COVER SHEET

Submittal Date: 12/13/2017
Submittal Due Date: 12/13/2017
Submittal Number: TPB – 1st and Jefferson Bike Parking Fence
Submittal Title: Fence Shop Drawings and Product Data
Architect: DLR Group
General Contractor: Howard S. Wright
1455 NW Irving Street, Suite 400
Portland, OR 97209
Specification Reference: N/A

Comments:

Contractor Use:

SUBMITTAL # TPB - 1st and Jeff Fence

Reviewed for General Acceptance only. This Review does not relieve the subcontractor of responsibility for making the work conform to the requirements of the contract. The subcontractor is responsible for all dimensions, correct fabrication and accurate fit with the work of other trades.



Howard S. Wright
a Balfour Beatty company

BY

Gabriel Acosta

The Portland Building

DATE

12/13/2017

☒ REVIEWED

☐ REVIEWED – ADDITIONAL INFORMATION REQUIRED

☐ FURNISH AS CORRECTED

Review does not authorize changes to contract sum unless stated in separate letter or change order

☐ REVISE AND RESUBMIT

☐ REJECTED

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Review of a specific item shall not include review of an assembly of which the item is a component. The contractor is responsible for dimensions to be confirmed and correlated at the jobsite; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of work with that of all other trades; and performing all work in a safe and satisfactory manner.

DLR Group

Date: 12/14/2017

By: Andrea Matthews

City of Portland
REVIEWED FOR CODE
COMPLIANCE

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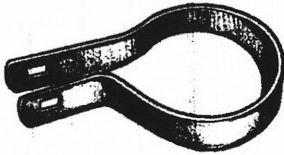
Permit Number

17-252773 DFS 01 co 2

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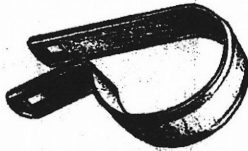
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FITTINGS



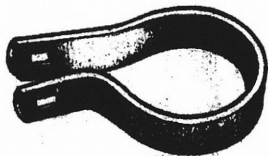
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1-5/8"	48002_	50	.14 lb.	
→ 1-7/8"	48003_	50	.16 lb.	GATZ
2-3/8"	48004_	50	.18 lb.	
→ 2-7/8"	48005_	50	.22 lb.	Terminal Post
4"	48006_	50	.29 lb.	

Use 5/16" x 1-1/4" Carriage Bolt - Pt. #010701



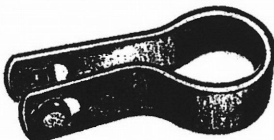
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
1-5/8"	48011_	50	.23 lb.	
1-7/8"	48012_	50	.26 lb.	
2-3/8"	48013_	50	.28 lb.	
2-7/8"	48014_	50	.31 lb.	
4"	48015_	50	.42 lb.	
6-5/8"	48016_	25	.64 lb.	

Use 5/16" x 1-1/4" Carriage Bolt - Pt. #010701



DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
1-7/8"	48008_	50	.39 lb.	
2-3/8"	48017_	50	.40 lb.	
2-7/8"	48018_	50	.45 lb.	
4"	48019_	50	.55 lb.	

Use 3/8" x 1-1/2" Carriage Bolt - Pt. #010704



DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
1-3/8"	48031_	50	.14 lb.	

Add the following number to the part no. for desired color:

1 - Forest Green 2 - Midnight Black 3 - Sierra Brown 7 - Olive Green 8 - Tan

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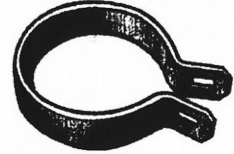
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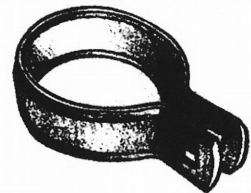
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1-5/8"	48020_	50	.15 lb.	
1-7/8"	48028_	50	.18 lb.	
→ 2-3/8"	48029_	50	.21 lb.	
→ 2-7/8"	48033_	50	.26 lb.	
4"	48034_	50	.34 lb.	

Use 5/16" x 1-1/4" Carriage Bolt – Pt. #010701



DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-5/8"	48110_	50	.20 lb.	
1-7/8"	48112_	50	.22 lb.	
2-3/8"	48114_	50	.27 lb.	
2-7/8"	48115_	50	.33 lb.	
4"	48116_	50	.41 lb.	
6-5/8"	48117_	25	.76 lb.	

Use 5/16" x 1-1/4" Carriage Bolt – Pt. #010701



DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
2-3/8"	48021_	50	.34 lb.	
2-7/8"	48022_	50	.39 lb.	
4"	48023_	50	.50 lb.	

Use 3/8" x 1-1/2" Carriage Bolt – Pt. #010704



DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-3/8"	48145_	50	.06 lb.	
1-5/8"	48146_	50	.09 lb.	
1-7/8"	48161_	50	.10 lb.	
2-3/8"	48163_	50	.14 lb.	
6-5/8"	48191_	4	.65 lb.	



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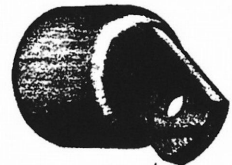
FITTINGS

Permit Number

RAIL END				
Die-Cast Aluminum Heavy Duty				
DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-3/8"	48198_	50	.13 lb.	



RAIL END				
Die-Cast Aluminum Heavy Duty				
DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
→ 1-5/8"	48130_	50	.39 lb.	



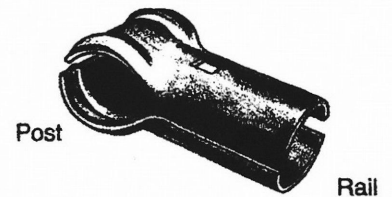
RAIL END				
Die-Cast Aluminum Heavy Duty				
DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-5/8"	48131_	25	.47 lb.	



RAIL END				
Die-Cast Aluminum Heavy Duty				
DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-5/8"	48138_	25	.58 lb.	



RAIL END				
Die-Cast Aluminum Heavy Duty				
DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-3/8" x 1-3/8"	48188_	25	.33 lb.	
Use 5/16" x 2" Carriage Bolt - Pt. #010715				
1-5/8" x 1-5/8"	48164_	25	.50 lb.	
1-7/8" x 1-5/8"	48165_	25	.54 lb.	
Use 5/16" x 2 1/4" Carriage Bolt - Pt. #010716				



Add the following number to the part no. for desired color:
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DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
12'	48235_	25	4.51 lb.	

DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
34"	60830_	25	.30 lb.	
40"	60831_	25	.35 lb.	
46"	60832_	25	.40 lb.	
58"	60833_	25	.50 lb.	
70"	60834_	25	.60 lb.	

DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
34"	60795_	25	.36 lb.	
40"	60796_	25	.43 lb.	
46"	60797_	25	.49 lb.	
58"	60798_	25	.62 lb.	
70"	60799_	25	.75 lb.	
118"	60824_	25	1.25 lb.	

DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
34"	48236_	25	1.35 lb.	
40"	48237_	25	1.59 lb.	
46"	48238_	25	1.83 lb.	
58"	48239_	25	2.31 lb.	
70"	48240_	25	2.79 lb.	
→ 82"	48242_	25	3.27 lb.	
→ 94"	48244_	25	3.74 lb.	
→ 118"	48246_	25	4.70 lb.	
→ 142"	48247_	25	5.66 lb.	

DESCRIPTION	PART NO.	QTY./PKG.	WEIGHT EA.	PRICE
1-3/8" x 5/8"	48053_	25	.38 lb.	

Add the following number to the part no. for desired color:

1 - Forest Green 2 - Midnight Black 3 - Sierra Brown 7 - Olive Green 8 - Tan

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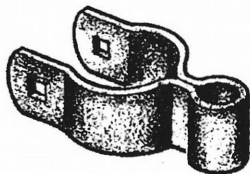
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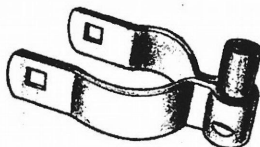
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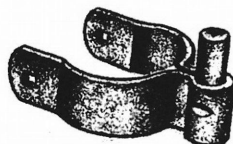
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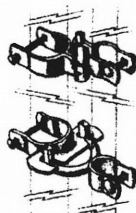
GATE FRAME HINGES				
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
1-5/8" x 5/8"	48030_	25	.66 lb.	
1-7/8" x 5/8"	48032_	25	.68 lb.	



POST HINGES				
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
1-7/8" x 5/8"	48141_	25	.62 lb.	
2-3/8" x 5/8"	48142_	25	.68 lb.	



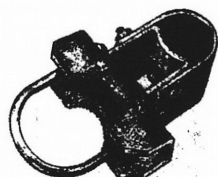
POST HINGES				
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
2-7/8" x 5/8"	48143_	25	1.17 lb.	



GATE FRAME HINGES				
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
1-3/8" x 1-7/8"	60974_	10	3.30 lb.	
1-3/8" x 2-3/8"	60975_	10	3.50 lb.	



GATE FRAME HINGES				
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
2-3/8" x 1-5/8" or 1-7/8"	48037_	4	3.20 lb.	
2-7/8" x 1-5/8" or 1-7/8"	48038_	4	3.20 lb.	
4" x 1-5/8" x or 1-7/8"	48039_	4	4.20 lb.	
6-5/8" x 1-5/8" x or 1-7/8"	48040_	4	6.00 lb.	



GATE FRAME HINGES				
DESCRIPTION	PART NO.	QTY/PKG.	WEIGHT EA.	PRICE
2-7/8" x 1-5/8" or 1-7/8"	48041_	4	3.30 lb.	
4" x 1-5/8" x or 1-7/8"	48042_	4	3.70 lb.	
6-5/8" x 1-5/8" x or 1-7/8"	48043_	4	5.90 lb.	

Add the following number to the part no. for desired color:

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DQ 40

DESCRIPTION	PART NO.			PIECES PER BUNDLE	WEIGHT PER FT.	NOMINAL WALL THICKNESS	PRICE/FT.
	18'	21'	24'				
1-5/8" O.D.	*	48167_	*	61	1.83 lb.	.111"	BRACE RAIL
1-7/8" O.D.	48168_	48169_	48170_	61	2.28 lb.	.120"	GATE FRAME
2-3/8" O.D.	*	48172_	48173_	37	3.12 lb.	.130"	LINE POST
2-7/8" O.D.	*	48174_	48175_	19	4.78 lb.	.149"	TERMINAL POST
4" O.D.	*	48176_	48177_	12	6.60 lb.	.160"	

DESCRIPTION	PART NO.	PIECES PER BUNDLE	WEIGHT EA.	PRICE/EA.
6'	48533_	61	13.50 lb.	
7'	48534_	61	15.75 lb.	
8'	48370_	61	18.00 lb.	
8' 8"	48371_	61	19.13 lb.	
9'	48372_	61	20.25 lb.	
9' 8"	48373_	61	21.75 lb.	
10'	48374_	61	22.50 lb.	
10' 6"	48375_	61	23.63 lb.	

DESCRIPTION	PART NO.	PIECES PER BUNDLE	WEIGHT EA.	PRICE/EA.
6'	48368_	37	18.66 lb.	
7'	48369_	37	21.77 lb.	
8'	48376_	37	24.88 lb.	
8' 8"	48377_	37	26.44 lb.	
9'	48378_	37	27.99 lb.	
10'	48380_	37	31.10 lb.	
10' 6"	48381_	37	32.66 lb.	
11'	48382_	37	34.21 lb.	
12'	48383_	37	37.52 lb.	
13'	48384_	37	40.43 lb.	
15'	48385_	37	46.65 lb.	

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CHAIN-LINK FABRIC

HOT DIP GALVANIZED AFTER WEAVING (GAW)

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DEC 18 2017

CORE WIRE w/ 5 gauge finish black

5 GAUGE (0.192") GAW					
12 oz./ft. ² Zinc Coating					
Meets ASTM A 392, Class 1					
HEIGHT	KK PART NO.	KT PART NO.	TT PART NO.	WEIGHT PER FOOT	PRICE
3'	055302	055332	055333	3.83 lb.	
42"	055303	055334	055335	4.46 lb.	
4'	055304	055336	055337	5.12 lb.	
5'	055305	055338	055339	6.38 lb.	
6'	055340	055306	055341	7.65 lb.	
7'	055342	055343	055307	8.93 lb.	
8'	055344	055345	055308	10.20 lb.	
9'	055346	055347	055309	11.48 lb.	
10'	055310	055348	055349	12.75 lb.	
12'	055312	055350	055351	15.30 lb.	

5 GAUGE (0.192") GAW				
HEIGHT	PART NO.	SELVAGE	WEIGHT PER FOOT	PRICE
10'	054310	KK	5.65 lb.	
12'	054312	KK	6.78 lb.	

5 GAUGE (0.192") GAW				
HEIGHT	PART NO.	SELVAGE	WEIGHT PER FOOT	PRICE
10'	054320	KK	8.48 lb.	
12'	054322	KK	10.18 lb.	

Extra charge for broken rolls.

SELVAGE ABBREVIATIONS:

KT - Knuckle-Twist, also known as BK - Barb-Knuckle

TT - Twist-Twist, also known as BB - Barb-Barb

KK - Knuckle-Knuckle

Special Note: KT or TT Selvage on 5' high fabric or less is **not recommended** for Residential Applications.

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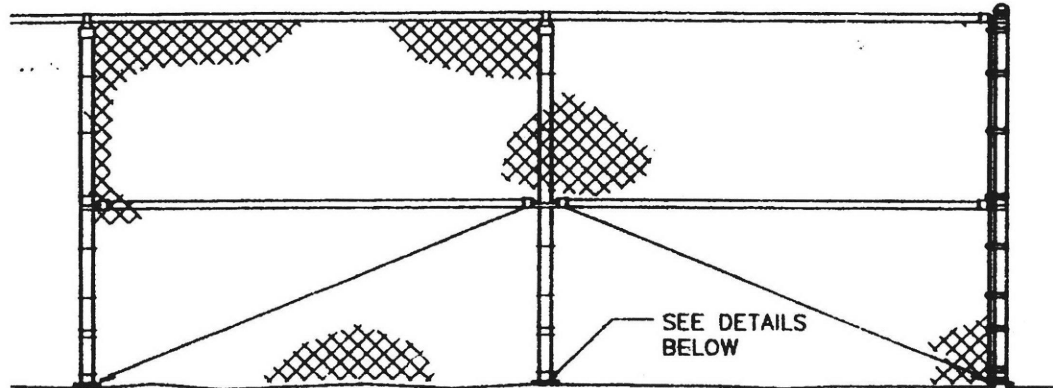


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Permit Number

AMERICAN
FENCE
ASSOCIATION



TYPICAL FENCE ELEVATION

SEE SKETCH 01 (SK-1)

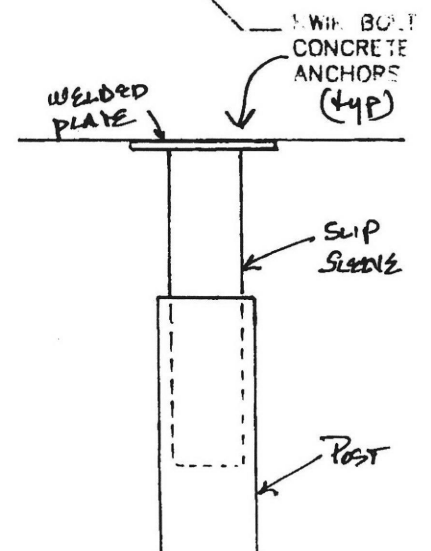
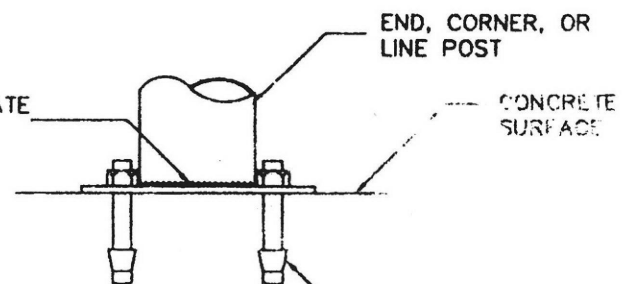
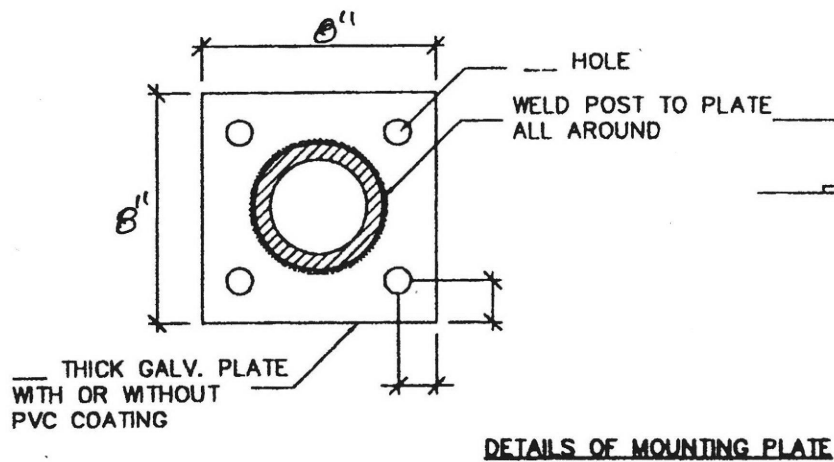


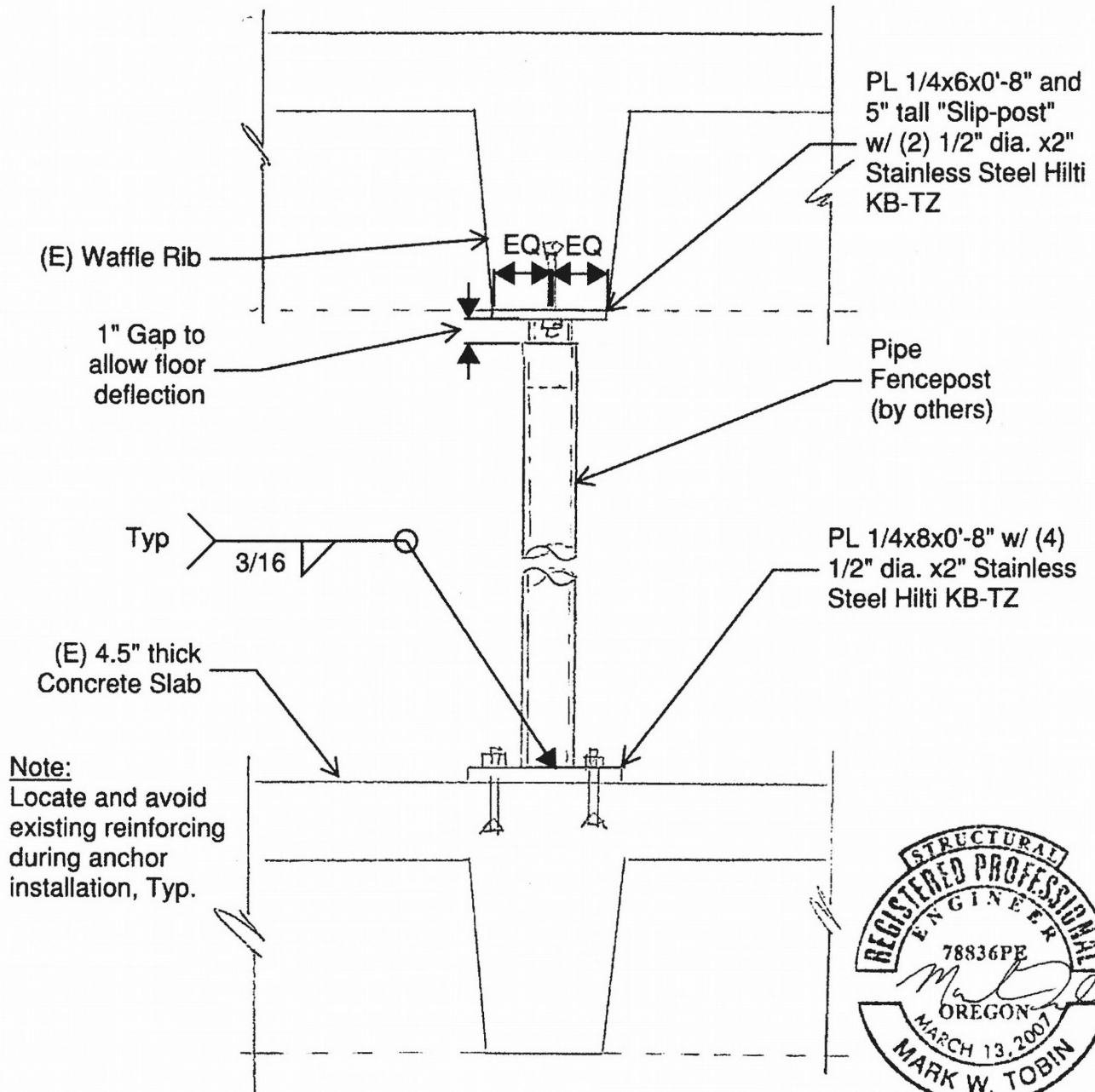
PLATE MOUNT DETAIL

(CL-21)

NOTES:



Project	1st and Jefferson Fence Anchorage	By	EK	Sheet No.	SK-1
Location	PDX	Date	12-7-17	Job No.	
Client	HSW	Revised			
		Date			



Note:
Locate and avoid
existing reinforcing
during anchor
installation, Typ.

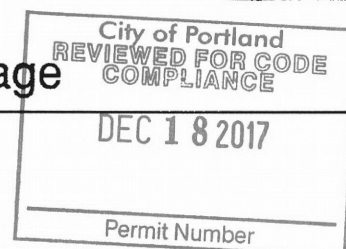


EXPIRES: 6-30-18

SK-1

Typ. Fencepost Anchorage

NTS



**City of Portland, Oregon - Bureau of Development Services**1900 SW Fourth Avenue · Portland, Oregon 97201 | 503-823-7300 | www.portlandoregon.gov/bds**Deferred Submittal Requirements and Application****Applicants will provide:**

- ☒ A copy of this application
 - ☒ Three (3) sets of plans
 - ☐ Two (2) set of calculations
 - ☒ Two (2) sets of product information
- Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.

- ☒ Permit fee (paid at time of submittal)
- ☐ If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.
- ☒ One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned.)

Contractor submittal information:

Contact name Gabriel Acosta

Address 1455 NW Irving Street, Suite 400

City Portland State OR Zip Code 97209

Phone (541) 701-1096 E-mail acostag@hswc.com

Value of deferred submittal \$11,100 Issued main building permit # 17-252773-CO

Job site address 1221 SW 1st Avenue Portland, OR 97204

Description/Scope of work Bicycle Parking Fence

Fees

Deferred submittal (DFS) fees are collected in addition to the standard building review fee paid on the main building permit. DFS fees cover the cost of the additional processing and review time associated with the design build element.

The DFS fee for processing and reviewing deferred plan submittals is 10 percent of the building permit fee calculated using the value of the particular deferred portion of the project.,

Minimum fee: Residential, one and two family dwelling ...\$123 for DFS with valuation of less than or equal to \$222,000

Commercial and all other projects\$307 for DFS with valuation of less than or equal to \$680,000

The Bureau of Development Services (BDS) fee schedule is also available on the BDS web site at www.portlandoregon.gov/bds | select the Fees tab.

Helpful Information

Bureau of Development Services
1900 SW 4th Avenue, Portland, OR 97201

Submit your plans to:
Development Services Center (DSC), First
Floor, For Hours Call 503-823-7310
**DEFERRED SUBMITTAL REQUIREMENTS AND
APPLICATION**

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 dwellings 503-823-7388
City of Portland TTY 503-823-6868

Information is subject to change.