

TO SHEET 2

**CONSTRUCTION NOTES:**

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4. Bond & Ground at all accessible locations along route.
5. Place all new aerial cable Street-side unless otherwise noted on plans.
6. Contractor to contact Utility Notification Center prior to start of work. 1-800-424-5555 or 811.

THIS PERMIT APPLICATION IS CONCURRENTLY ISSUED TO BOTH PORTLAND BUREAU OF TRANSPORTATION AND PORTLAND PARKS AND RECREATION DUE TO NON-DISTINCT SEPARATION BETWEEN PRIVATE PROPERTY AND RIGHT OF WAY.

SEE SHEET 6 FOR PROFILES

City of Portland  
Bureau of  
Development Services  
By: *Sandy* Date: 12.11.12  
Approved by  
Planning & Zoning Review



PERMIT PLAN

City of Portland  
REVIEWED FOR CODE  
COMPLIANCE  
DEC 11 2012  
Permit Number

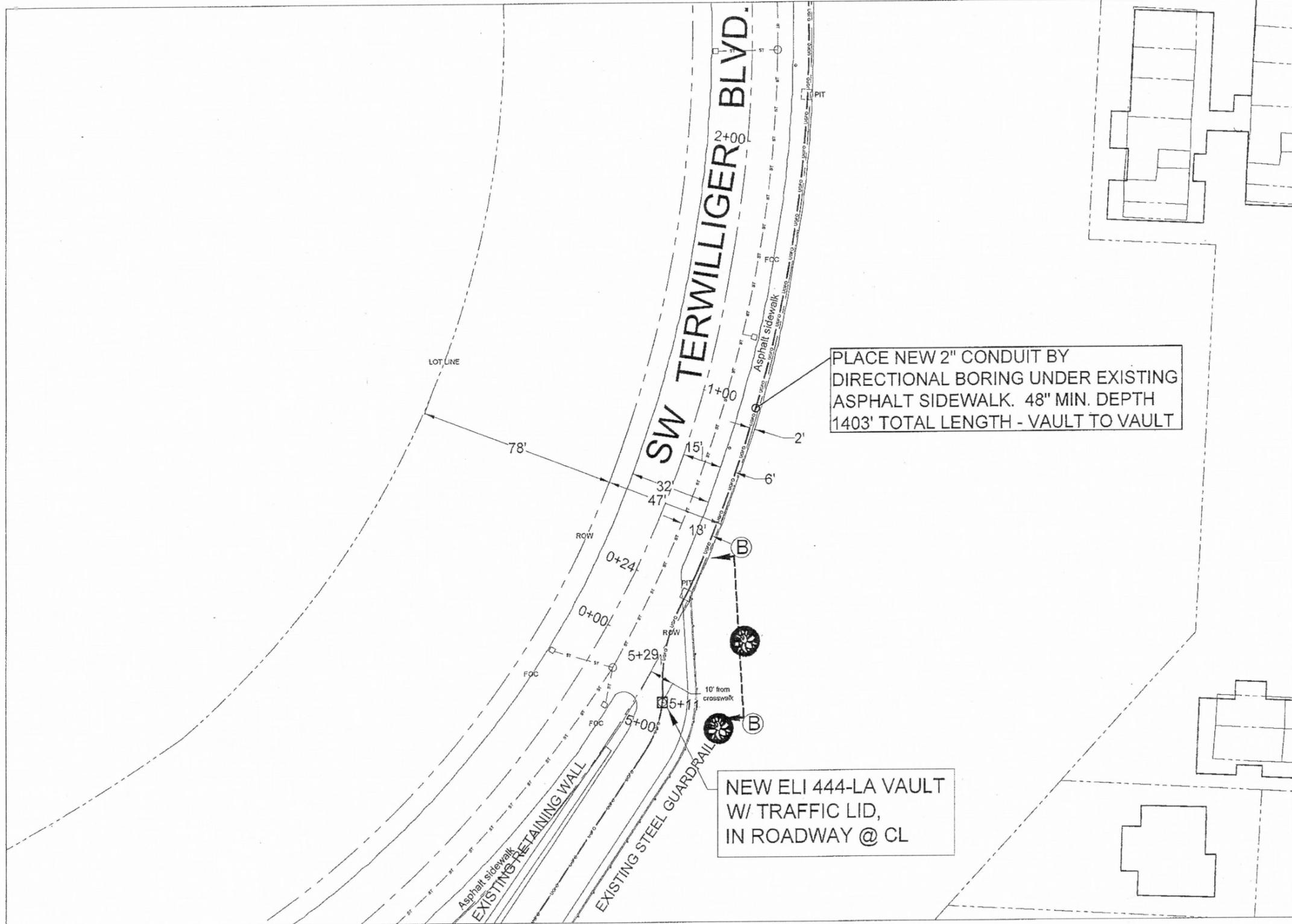
**integra** TELECOM  
1201 NE LLOYD BOULEVARD SUITE 500 PORTLAND, OR 97232  
**ELECTRIC LIGHTWAVE**  
An Integra Telecom Company  
(503) 453-8000 OFFICE  
(503) 453-8221 FACSIMILE

REV	DESCRIPTION	BY	DATE
1	Revised pole locations, add SW anchors, eliminate 2 pullboxes, add borepit locations, change bore depth to 48" min., Pole #4 - 35' class 5 change to 45' - class 4.	BD	9/4/2012
2	Underground Condor Ln., add vault	BD	10/5/2012
3	Eliminate ELI pole on priv. prop. SW Condor Ln.	BD	11/16/2012

JOB: OHSU - 3181 SW Sam Jackson Park Rd.  
SHEET NO. 1 OF 6  
ENGINEER: Brian Davidson PHONE: (503) 453-8670  
DATE: 7/31/12 FAX NO.: (503) 453-8284  
PROJECT NO.: C9661.ENT.12.ND.12HP.SUC  
FILE NAME: SCALE 1" = 40'

A-213588-1P

TO SHEET 3



**CONSTRUCTION NOTES:**

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SEE SHEET 6 FOR PROFILES



PERMIT PLAN

PLACE NEW 2" CONDUIT BY DIRECTIONAL BORING UNDER EXISTING ASPHALT SIDEWALK. 48" MIN. DEPTH 1403' TOTAL LENGTH - VAULT TO VAULT

NEW ELI 444-LA VAULT W/ TRAFFIC LID, IN ROADWAY @ CL

FROM SHEET 1  
 City of Portland  
 REVIEWED FOR CODE  
 COMPLIANCE  
 DEC 11 2012  
 Permit Number

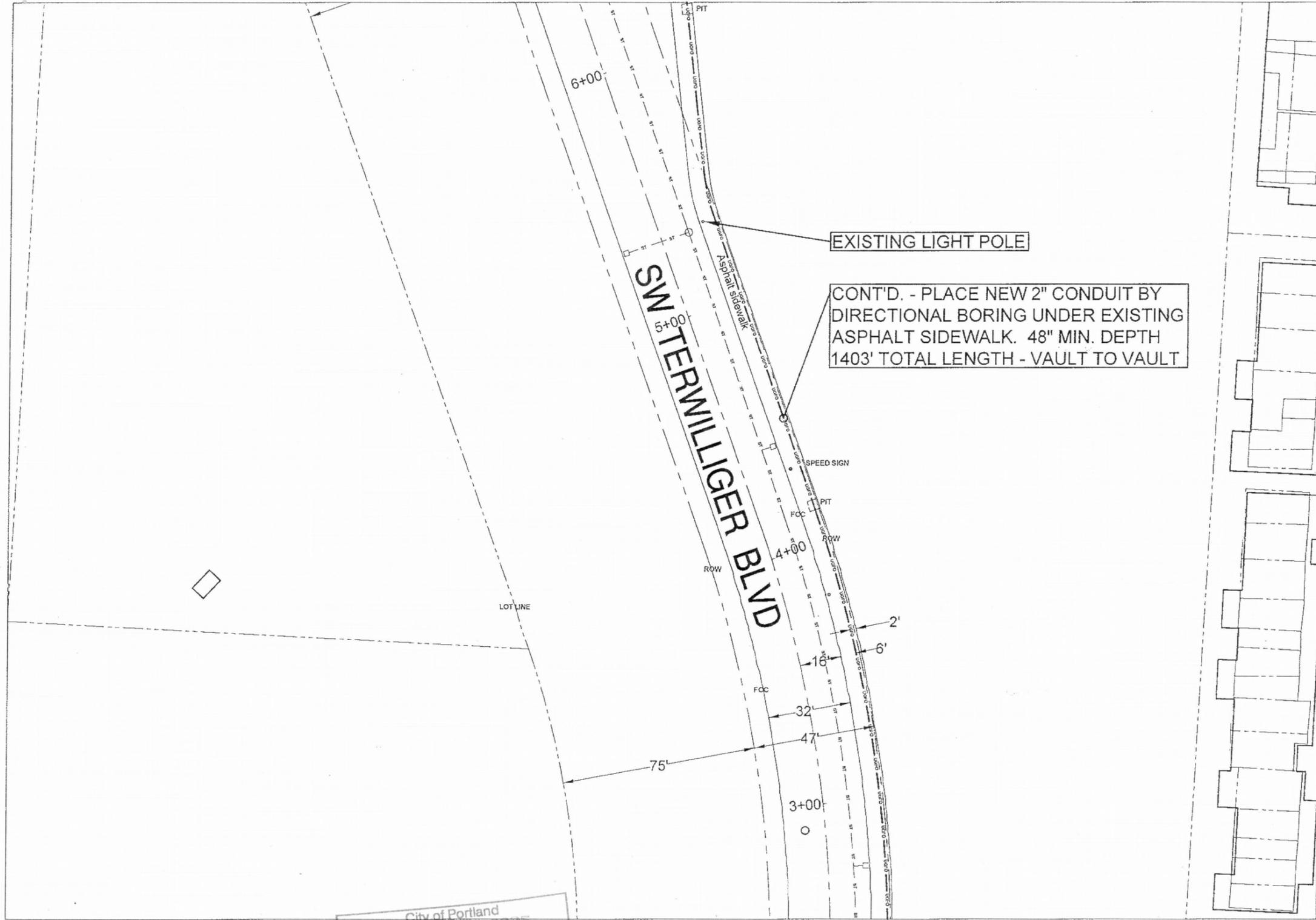
REV	DESCRIPTION	BY	DATE
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 (503) 453-8000 OFFICE  
 (503) 453-8221 FACSIMILE

**ELECTRIC LIGHTWAVE**  
 An Integra Telecom Company

JOB: OHSU - 3181 SW Sam Jackson Park Rd.  
 SHEET NO. 2 OF 6  
 ENGINEER: Brian Davidson PHONE: (503) 453-8670  
 DATE: 7/31/12 FAX NO: (503) 453-8284  
 PROJECT NO.: C9661.ENT.12.ND.12HP.SUC  
 FILE NAME: \_\_\_\_\_ SCALE 1" = 40'

TO SHEET 4



**CONSTRUCTION NOTES:**

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SEE SHEET 6 FOR PROFILES

NORTH



PERMIT PLAN

City of Portland  
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 COMPLIANCE  
 DEC 11 2012  
 Permit Number

FROM SHEET 2

REV	DESCRIPTION	BY	DATE
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TELECOM  
 1201 NE LLOYD BOULEVARD  
 SUITE 500  
 PORTLAND, OR 97232

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 (503) 453-8221 FACSIMILE

JOB: OHSU - 3181 SW Sam Jackson Park Rd.

SHEET NO. 3 OF 6

ENGINEER: Brian Davidson PHONE: (503) 453-8670

DATE: 7/31/12 FAX NO: (503) 453-8284

PROJECT NO. C9661.ENT.12.ND.12HP.SUC

FILE NAME: SCALE 1" = 40'

TO SHEET 5



CONT'D.- PLACE NEW 2" CONDUIT BY DIRECTIONAL BORING UNDER EXISTING ASPHALT SIDEWALK. 48" MIN. DEPTH - 1403' TOTAL LENGTH - VAULT TO VAULT

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SEE SHEET 6 FOR PROFILES



PERMIT PLAN

City of Portland  
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DEC 11 2012  
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FROM SHEET 3

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3	Eliminate E.L.I pole on priv. prop. SW Conductor Ln.	BD	11/16/2012

TELECOM  
1201 NE LLOYD BOULEVARD  
SUITE 500  
PORTLAND, OR 97232.

As Integra Telecom Company  
(503) 453-8000 OFFICE  
(503) 453-8221 FACSIMILE

JOB: OHSU - 3181 SW Sam Jackson Park Rd.

SHEET NO. 4 OF 6

ENGINEER: Brian Davidson PHONE: (503) 453-8670

DATE: 7/31/12 FAX NO. (503) 453-8284

PROJECT NO. C9661.ENT.12.ND.12HP.SUC

FILE NAME: SCALE 1" = 40'

TO SHEET 6

EXISTING LIGHT POLE

NEW ELI 25-TA VAULT -  
NON-SKID LID

CONT'D - PLACE NEW 2"  
CONDUIT BY DIRECTIONAL  
BORING UNDER EXISTING  
ASPHALT SIDEWALK. 48" MIN.  
DEPTH - 1403' TOTAL LENGTH  
- VAULT TO VAULT

PLACE NEW 2" CONDUIT  
BY DIRECTIONAL BORING  
36" MIN. DEPTH

City of Portland  
REVIEWED FOR CODE  
COMPLIANCE

DEC 11 2012

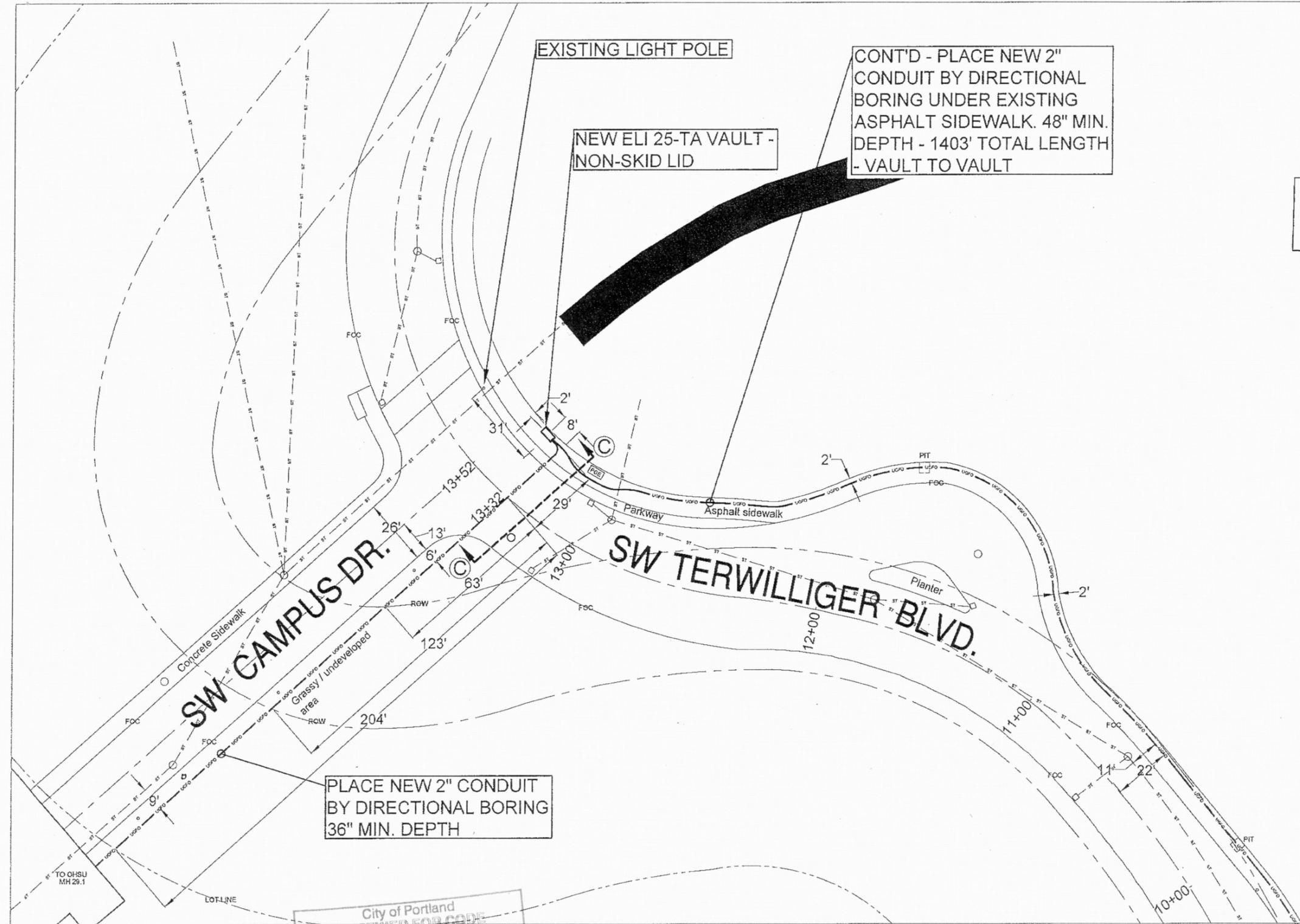
Permit Number

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SEE SHEET 6 FOR PROFILES



FROM SHEET 4



PERMIT PLAN

**integra** TELECOM  
1201 NE LLOYD BOULEVARD SUITE 500 PORTLAND, OR 97232

**ELECTRIC LIGHTWAVE**  
An Integra Telecom Company  
(503) 453-8000 OFFICE  
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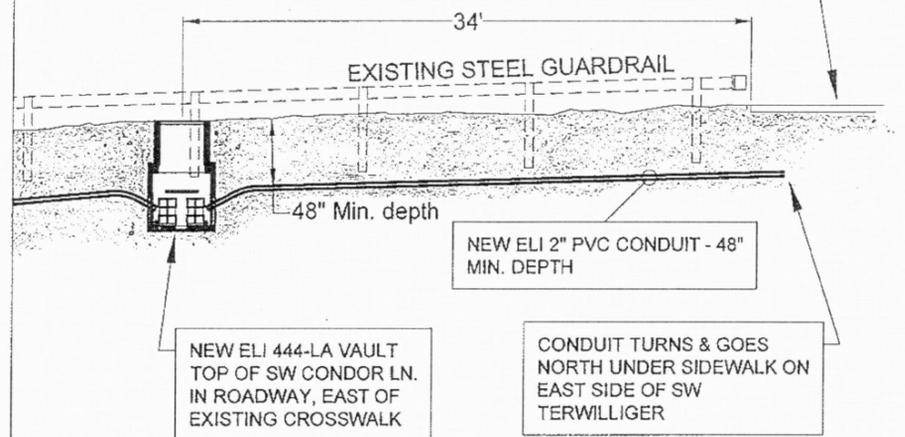
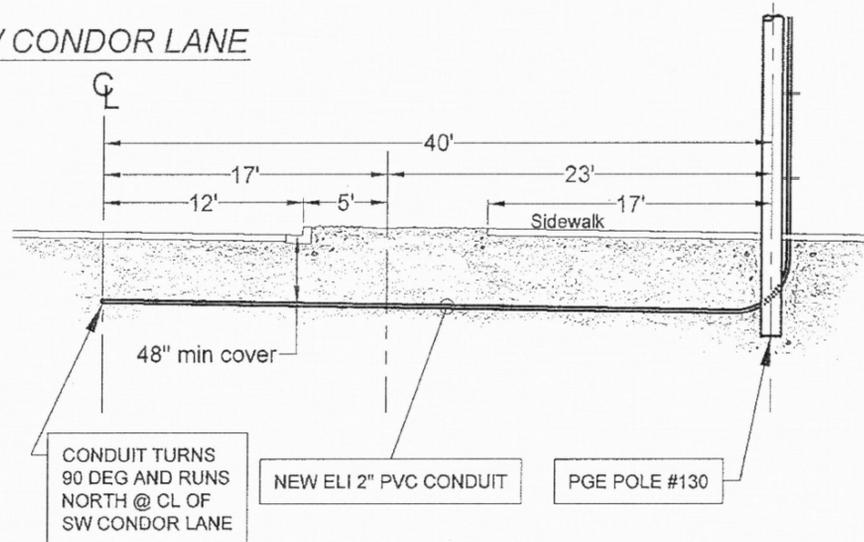
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JOB	OHSU - 3181 SW Sam Jackson Park Rd.		
SHEET NO.	5	OF	6
ENGINEER	Brian Davidson	PHONE	(503) 453-8670
DATE	7/31/12	FAX NO.	(503) 453-8284
PROJECT NO.	C9661.ENT.12.ND.12HP.SUC		
FILE NAME:	SCALE 1" = 40'		

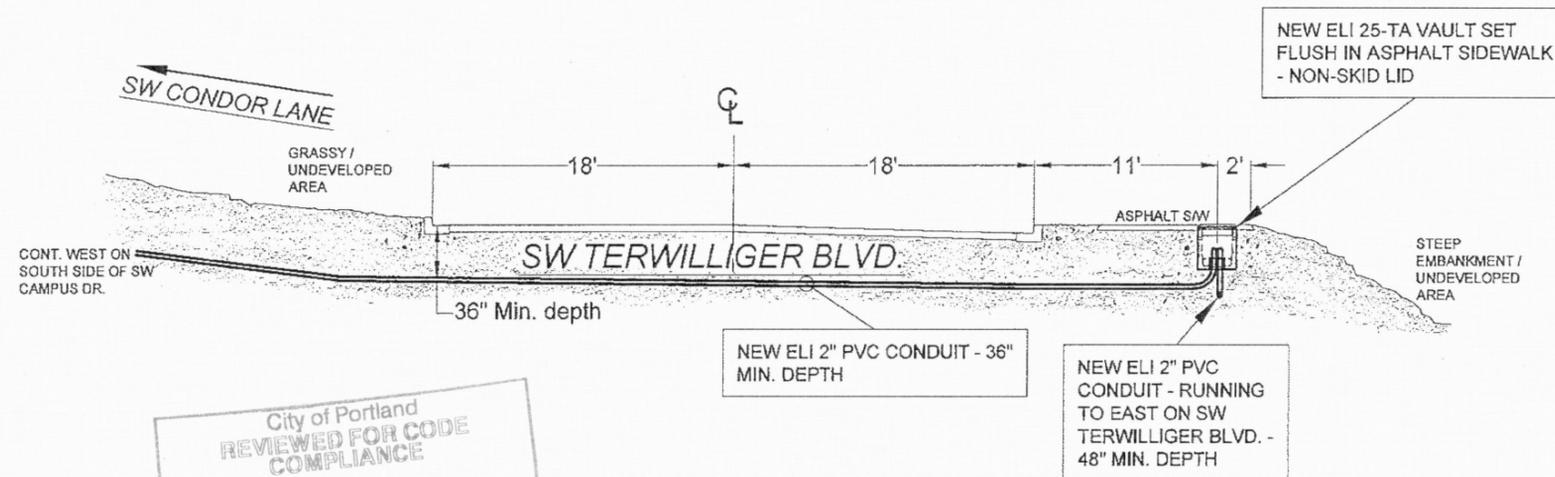
**PROFILE SECTION A-A**

**PROFILE SECTION B-B**

SW CONDOR LANE



**PROFILE SECTION C-C**



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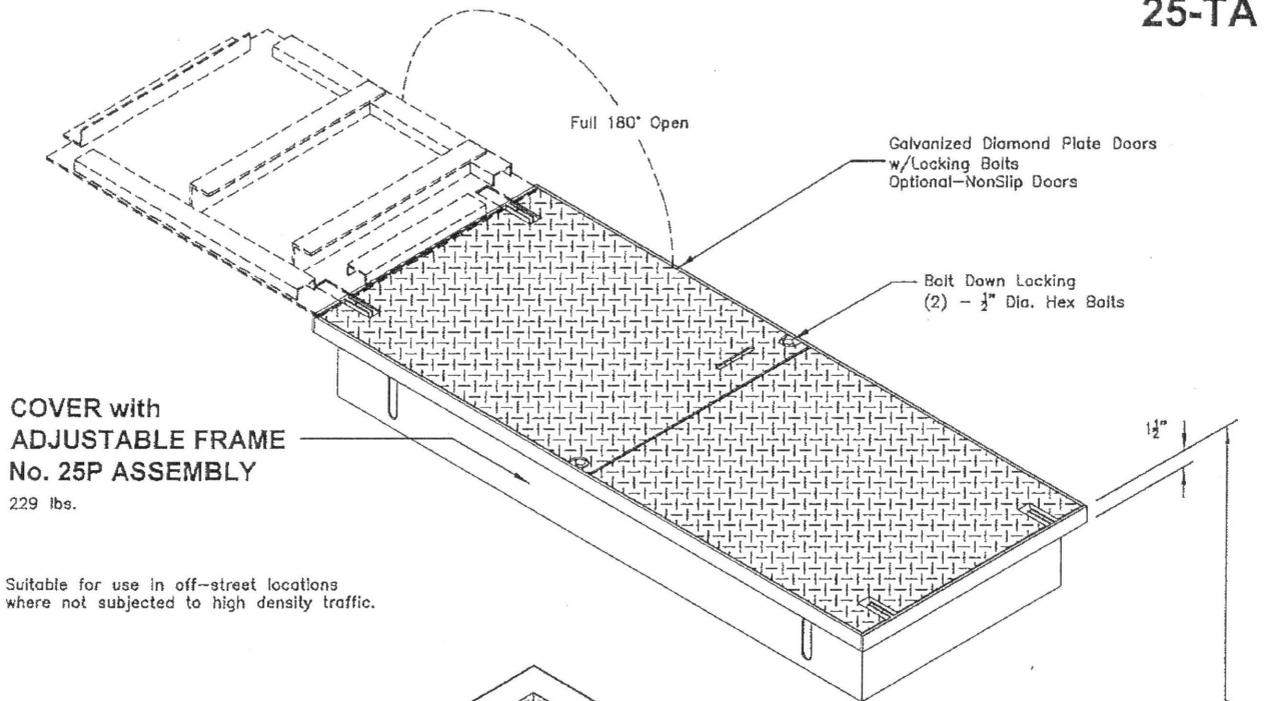
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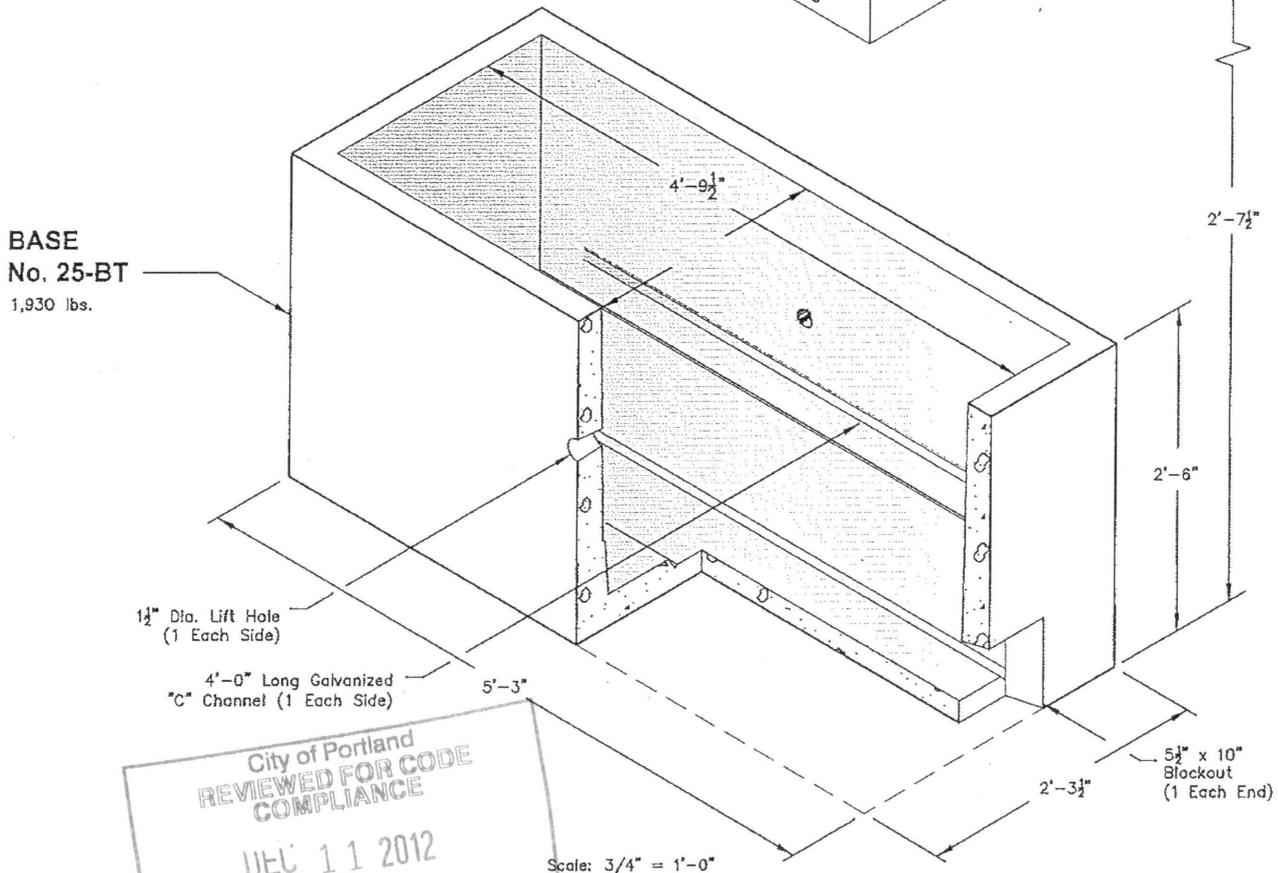
JOB: OHSU - 3181 SW Sam Jackson Park Rd.  
SHEET NO. 6 OF 6  
ENGINEER: Brian Davidson PHONE: (503) 453-8670  
DATE: 7/31/12 FAX NO: (503) 453-8284  
PROJECT NO: C9661.ENT.12.ND.12HP.SUC  
FILE NAME: SCALE 1" = 10'

# 25-TA



**COVER with ADJUSTABLE FRAME No. 25P ASSEMBLY**  
229 lbs.

Suitable for use in off-street locations where not subjected to high density traffic.



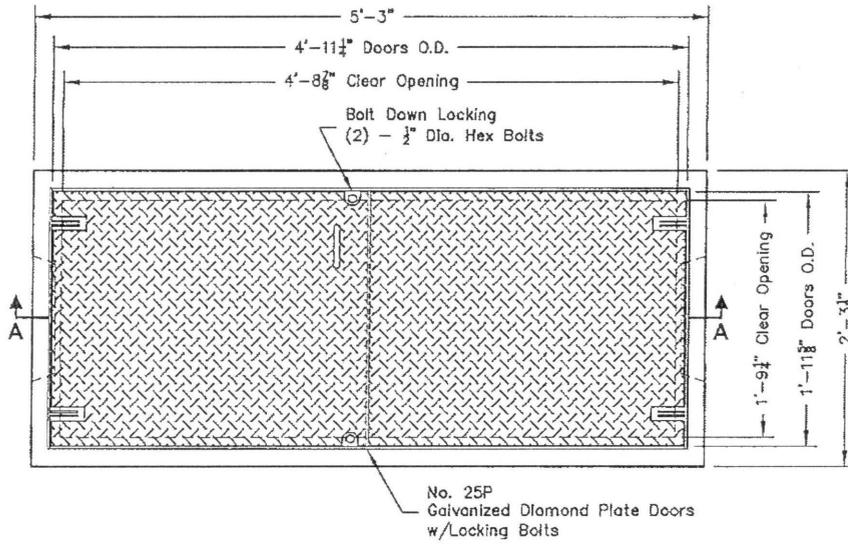
**BASE No. 25-BT**  
1,930 lbs.

City of Portland  
REVIEWED FOR CODE COMPLIANCE  
DEC 11 2012

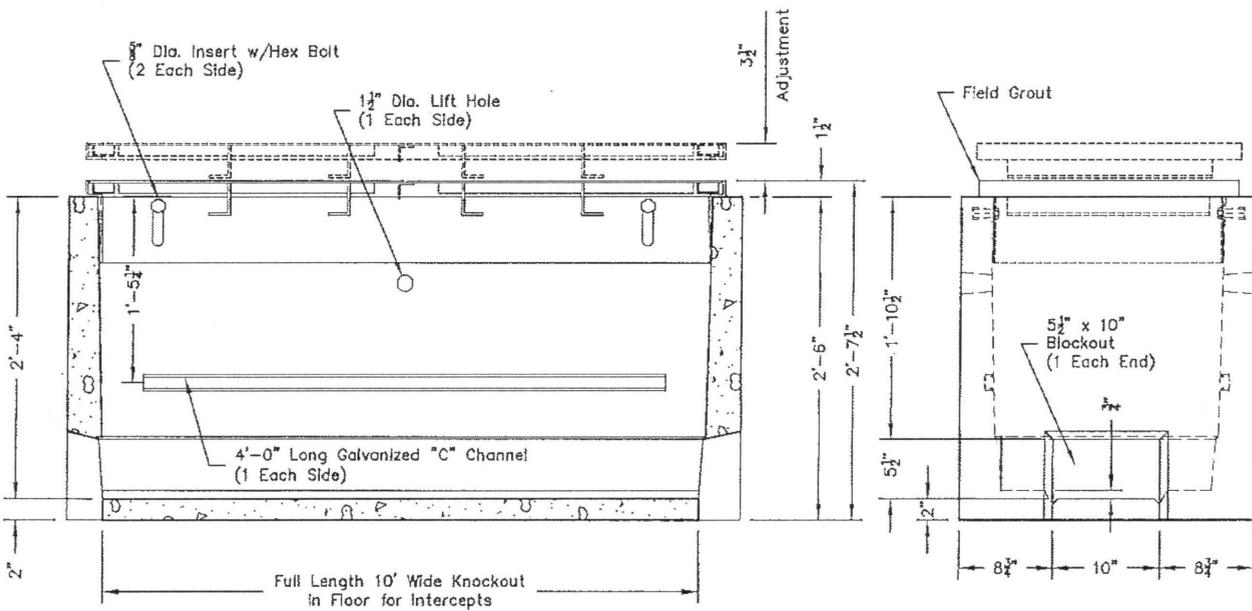
Scale: 3/4" = 1'-0"

 <b>Oldcastle Precast</b> PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657	<b>25-TA</b>	<b>25-TA</b> <b>2 x 5 x 2</b> <b>COMMUNICATIONS</b>
	File Name: 020UTT25TA1	
	Issue Date: 2011	
	<a href="http://oldcastleprecast.com/wilsonville">oldcastleprecast.com/wilsonville</a>	

# 25-TA



**PLAN VIEW**



**SECTION AA**

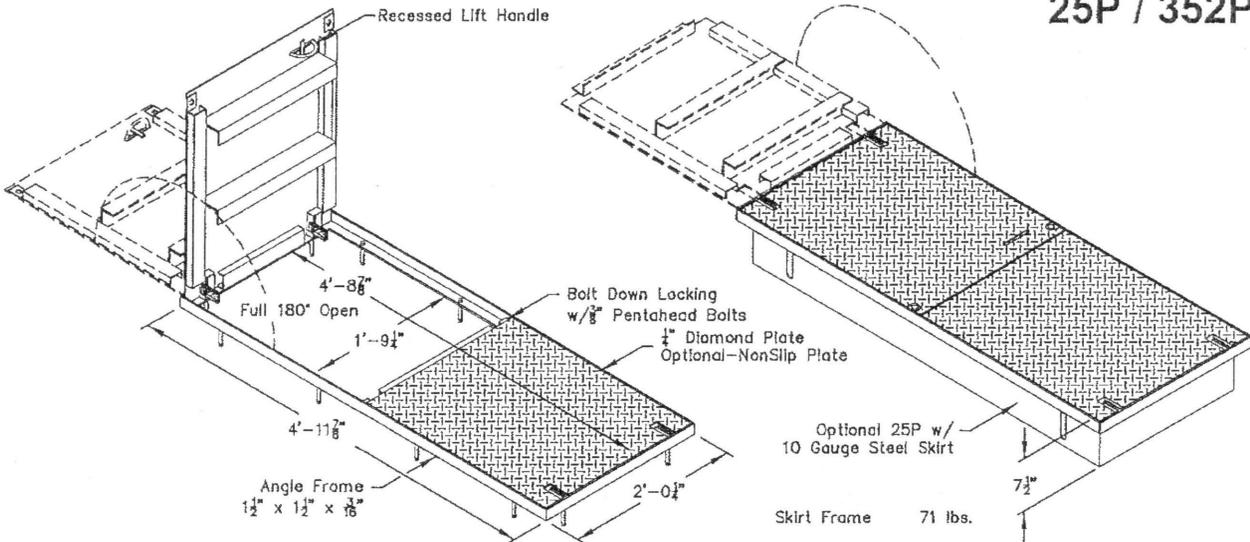
**END VIEW**

City of Portland  
REVIEWED FOR CODE  
COMPLIANCE  
DEC 11 2012

Scale: 3/4" = 1'-0"

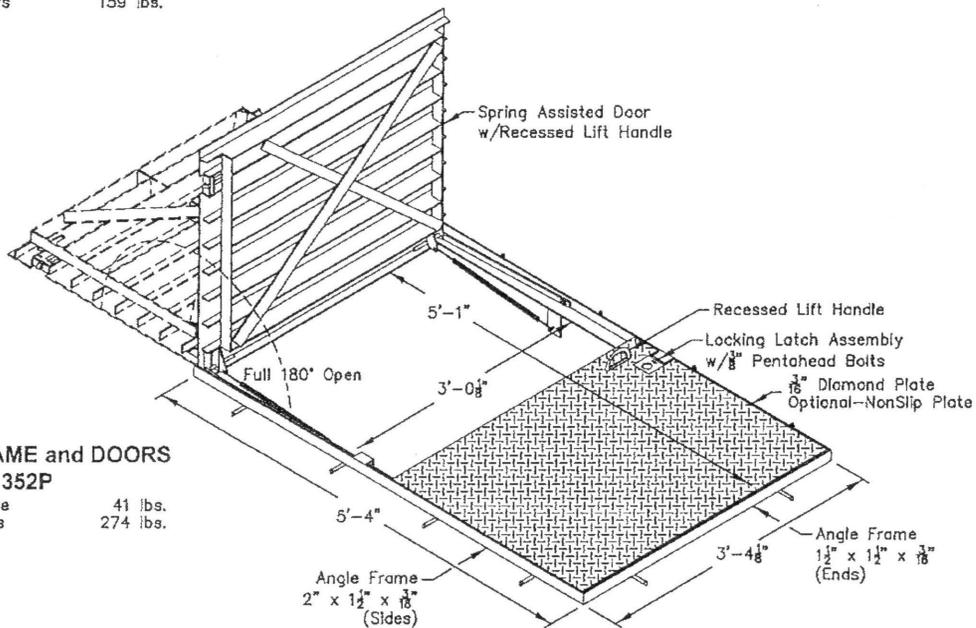
<p><b>Oldcastle Precast®</b></p> <p>PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657</p>	<b>25-TA</b>	<b>25-TA</b>	
	Permit Number		
	File Name: 020UTT25TA2	<b>2 x 5 x 2</b>	
	Issue Date: 2011	<b>COMMUNICATIONS</b>	
oldcastleprecast.com/wilsonville			

# 25P / 352P



## FRAME and DOORS No. 25P

Frame 40 lbs.  
Doors 159 lbs.



## FRAME and DOORS No. 352P

Frame 41 lbs.  
Doors 274 lbs.

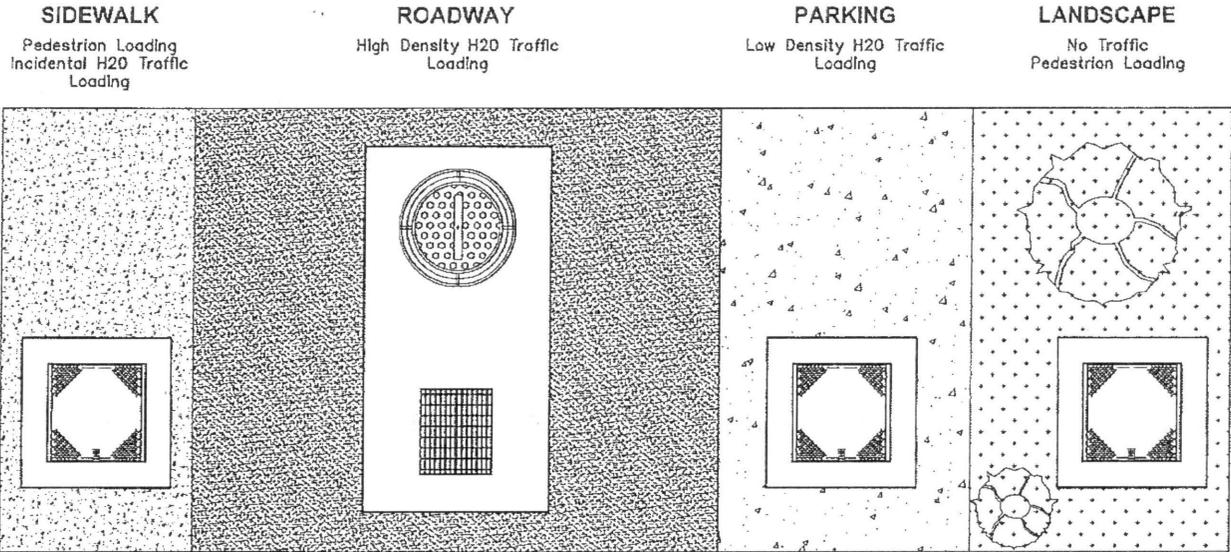
	CLEAR OPENING (WxL)	DOOR SIZE (WxL)
25P	21 1/4" x 56 7/8"	23 5/8" x 29 7/8"
352P	36 1/8" x 61"	39 1/2" x 31 1/4"

- Notes:
- Frames designed to be cast in concrete.
  - Finish: Hot-dipped galvanized. Optional NonSlip finish, designate as NS, i.e. **25NS**.
  - Loading: Suitable for H-20 wheel loading in off-street locations where not subjected to high density traffic.

Scale: 1/2" = 1'-0"

 <b>Oldcastle Precast</b> PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657	<b>25P / 352P</b>	<b>25P / 352P GALV. STEEL ACCESS DOORS</b>
	File Name: 020UAHDPLATES1	
	Issue Date: 2011	
<a href="http://oldcastleprecast.com/wilsonville">oldcastleprecast.com/wilsonville</a>		

# ACCESS SELECTION

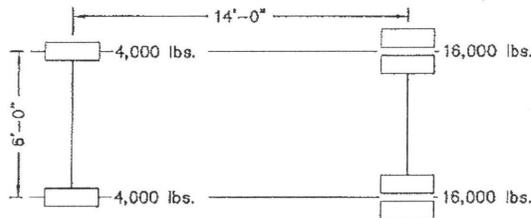
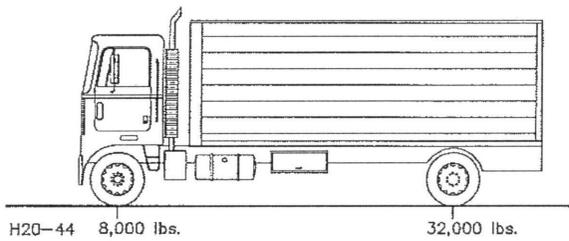


- Suitable Access:**
- Cast Iron Manhole Cover
  - Galv. Steel NonSlip Door
  - Aluminum NonSlip Door

- Suitable Access:**
- Cast Iron Manhole Cover
  - Steel Grate

- Suitable Access:**
- Cast Iron Manhole Cover
  - Steel Grate
  - Galv. Steel NonSlip Door
  - Aluminum NonSlip Door

- Suitable Access:**
- Cast Iron Manhole Cover
  - Steel Grate
  - Galv. Steel Door
  - Aluminum Door



**H 20-44 Truck**

- Notes:**
- Steel and Aluminum Doors are designed for H20-44 (16,000 lb.) loading but are not recommended to be installed in high traffic areas.
  - Cast Iron Manhole Covers & Steel Grates are designed for "Full" H 20-44 loading and are recommended to be installed in high traffic areas.
  - Galvanized and Aluminum Doors available with standard diamond tread or nonslip finish. (See Access Doors, Frames, & Covers).

- Loading:**
- Pedestrian Loading: 300 lb./sq.ft. uniform load.
  - H20-44 Loading: (16,000 lb. wheel load) (32,000 lb. axle load)



**Oldcastle Precast**  
PO Box 323, Wilsonville, Oregon 97070-0323  
Tel: (503) 682-2844 Fax: (503) 682-2657

City of Portland  
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DEC 11 2011

**ACCESS SELECTION**

File Name: 020UAHACCESS2  
Issue Date: 2011  
[oldcastleprecast.com/wilsonville](http://oldcastleprecast.com/wilsonville)

Scale: 3/16" = 1'-0"

**ACCESS SELECTION  
- HOW TO DETERMINE -**

Permit Number

[Home](#) > [Products](#) > [Access Hatches – Vault Covers – Sidewalk Doors](#) > Galvanized Steel Access Hatch

## Galvanized Steel Access Hatch



Click on image to enlarge

Galvanized vault covers manufactured by SlipNOT® are protected against rust and corrosion. An access hatch constructed of diamond plate can create a slippery and dangerous environment, causing liabilities and lawsuits. SlipNOT® non-slip galvanized steel access hatch helps reduce liabilities by keeping people on their feet. SlipNOT® galvanized vault covers attach directly to manhole frames in the same fashion that traditional manhole covers do.

See SlipNOT® [Specifications](#), [CAD Drawings](#), [COF/ADA](#) and [Steel Access Hatch Case Studies](#)

### Product Information:

- Galvanized steel access hatch thicknesses: 1/4" and up
- Galvanized steel access hatch widths: Customer specific
- Galvanized steel access hatch lengths: Customer specific
- Galvanized vault covers are custom fabricated to meet job specifications
- Available SlipNOT® surfaces: Steel Surface on Steel
- Available SlipNOT® finishes: Galvanized
- Galvanized vault covers are available in: Grade 2 (Medium), Grade 3 (Coarse)
- Div 5 CSI Classification Code: Culverts, Manholes and Structures (33 05 30), Access Doors and Panels (08 31 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)
- LEED: The recycled content of SlipNOT® products varies depending on the source of the substrate. However, based off of an average provided by the mills and vendors we use most often, SlipNOT® products have a minimum of 40% recycled content and up to 83% recycled content. By specifying SlipNOT® products your project may be eligible for LEED credits. For more information please visit our [green products](#) page.



### Product Features:

- **Advantages:** SlipNOT® galvanized steel vault covers provide a slip resistant surface that is protected against rust to ensure durability and longevity.
- **Availability:** SlipNOT® slip resistant galvanized vault covers are custom fabricated to meet DOT and municipality requirements.
- **Durability:** Galvanized vault covers coated with SlipNOT® have a file hard surface between 55 – 63 on the Rockwell "C" scale and have a bond strength of at least 4,000 psi.
- **Fabrication:** SlipNOT® galvanized steel vault covers can be precut to size and fabricated to fit specific meter or pull box frame design. Custom sizes can be purchased and can also be sheared, welded, flame cut, torch cut, laser or water-jet cut, plasma cut, countersunk and drilled for complete versatility, both in the shop and field. ([Fabricating Instructions](#))
- **Approval:** SlipNOT® galvanized vault covers are approved and used by utilities such as Pacific Gas and Electric, San Diego Gas and Electric, AT&T, Verizon, Seattle, New York, San Francisco and Portland, among others.
- **Resistant Standards:** SlipNOT® galvanized vault covers meet and exceed all the requirements for an ASTM/ANSI slip resistant surface and are registered slip resistant with Underwriters Laboratories per the UL 410 standard. SlipNOT® coefficient of friction is greater than or equal to 0.85. ([Standards and Test Requirements](#))

City of Portland  
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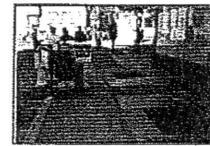
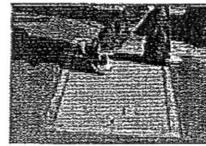
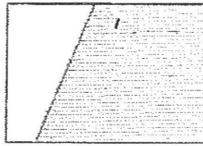
DEC 11 2012

Permit Number

### SlipNOT® Specifications:

SlipNOT® Current Specification:  
[SlipNOT® Specifications for Grade 1.pdf](#)  
[SlipNOT® Specifications for Grade 2.pdf](#)  
[SlipNOT® Specifications for Grade 3.pdf](#)

CSI 3 Part Spec:  
[CSI 3 PartSpec.pdf](#)  
[CSI 3 Part Spec.doc](#)



Click on image to enlarge

SlipNOT® galvanized steel access hatch is utilized by countless industries for a vast array of applications. SlipNOT® products are fabricated to meet detailed specifications and can meet the requirements of the most complex projects. SlipNOT® slip resistant products are proven and utilized by fortune 500 companies across North America.

Click on the example product applications to learn more:

- [Anti-slip hatch covers](#)
- [Non-slip metal vault covers](#)
- [Traffic vault covers](#)
- [Utility access doors](#)
- [Access hatches](#)

To view all SlipNOT® applications [click here](#).

Utilities

### SMUD

Sacramento, CA



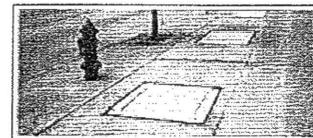
Sacramento Municipal Utility District needed a slip resistant product for utility vault covers that would allow air to pass through. Galvanized steel grating was chosen for the application.

[Learn more](#)

Utilities

### Seattle City Light

Seattle, WA



Seattle City Light needed a slip resistant option for vault covers that would be placed in sidewalks. SlipNOT® provided galvanized steel plates for the vault covers

[Learn more](#)

SlipNOT® case studies educate customers and prospects on how SlipNOT® products are utilized in various fields. The versatility of SlipNOT® products is proven through these safety solutions:

[View Case Studies by Product](#)

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Technical Information

- [3 Part Spec & CAD Details](#)
- [Standards & Test Results](#)
- [Approvals & Certifications](#)
- [Fabrication Instructions](#)
- [Galvanizing Guidelines](#)
- [Care and Cleaning](#)

What is SlipNOT®?

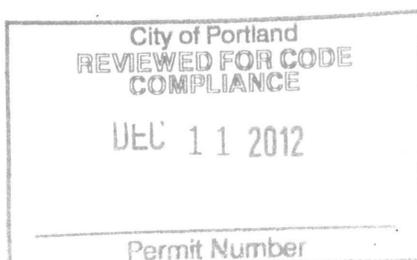
- [SlipNOT® Process](#)
- [Metal Surface Options](#)
- [Surface Grade Descriptions](#)
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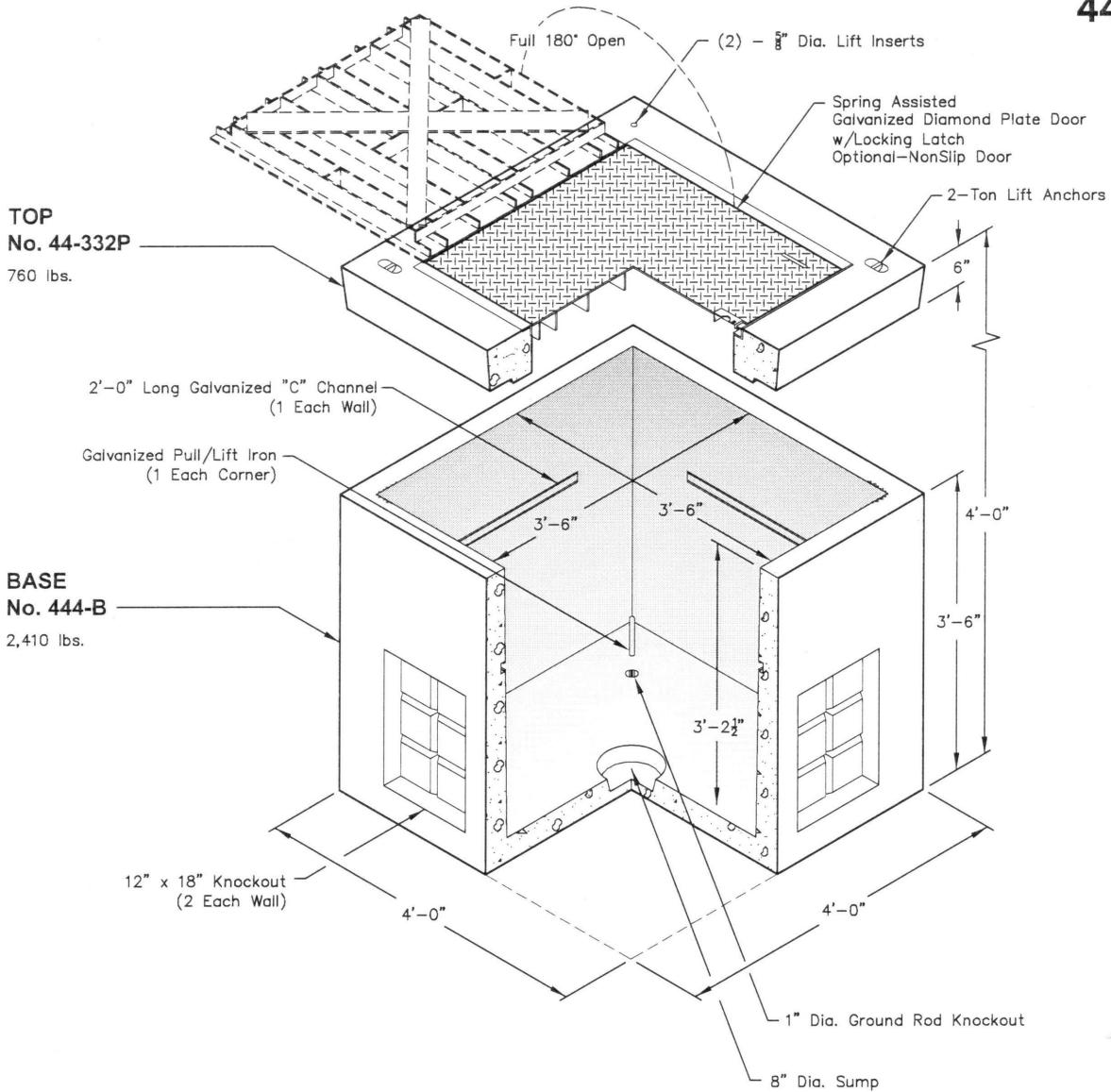
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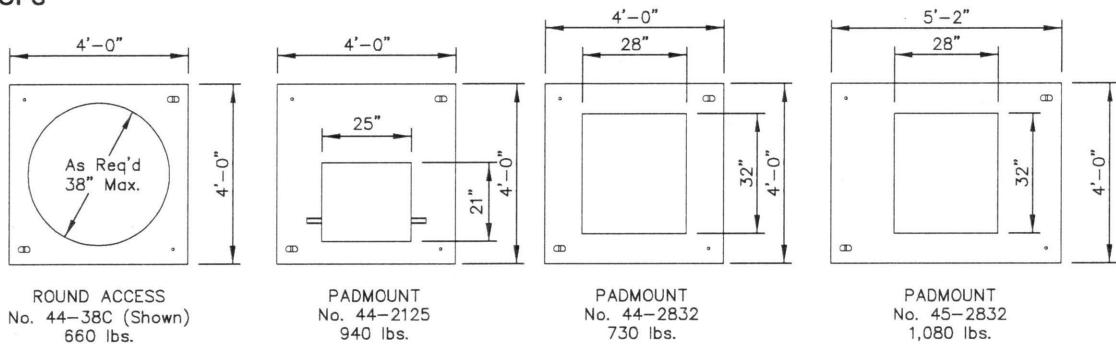
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# 444-LA



## OPTIONAL TOPS

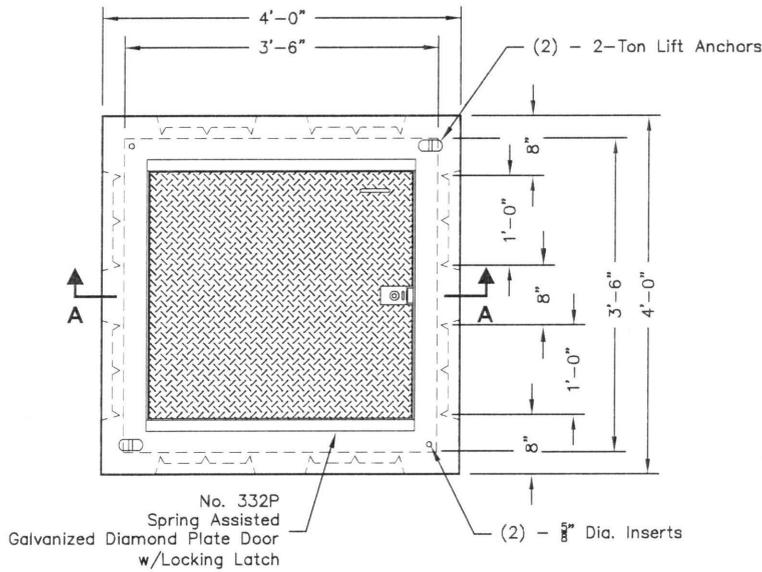


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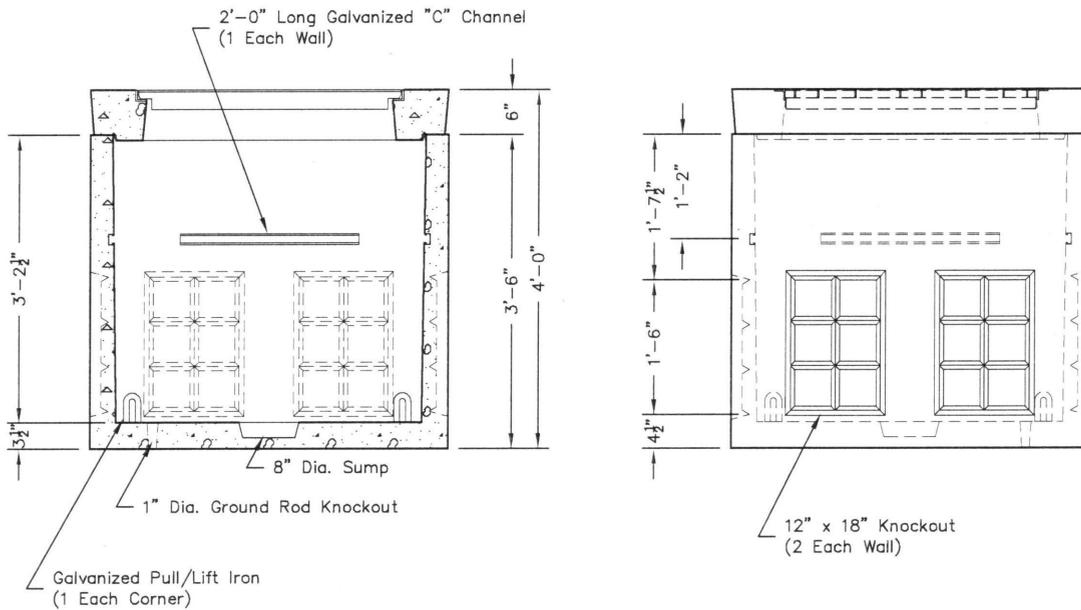
 <p>City of Portland REVIEWED FOR CODE COMPLIANCE DEC 11 2012</p> <p>PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657</p>	<b>444-LA</b>	<b>444-LA</b> <b>3 x 3 x 3</b> <b>POWER / WATER / GAS</b>
	File Name: 020UCP444LA1	
	Issue Date: 2011	
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Permit Number

# 444-LA



**PLAN VIEW**



**SECTION AA**

**SIDE VIEW**

Scale: 1/2" = 1'-0"

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	<p>File Name: 020UCP444LA2</p>	
	<p>Issue Date: 2011</p>	
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