



# CITY OF PORTLAND, OREGON - BUREAU OF DEVELOPMENT SERVICES

1900 SW Fourth Avenue, Suite 5000 Portland, Oregon 97201 www.portlandonline.com/bds



## Sign Permit Application

Permit number 12-170639

### FOR INTAKE, STAFF USE ONLY

Application date \_\_\_\_\_ Other inspections \_\_\_\_\_  
 Issued date \_\_\_\_\_ Map zone \_\_\_\_\_ Applicable zone \_\_\_\_\_  
 Approved by \_\_\_\_\_ Overlay zone \_\_\_\_\_  
 Structural engineer's approval [Signature] 8/15/2012 Plan / historic district \_\_\_\_\_

### APPLICANT: Complete all sections below that apply to the project. Please print legibly.

Installation address 1405 Jantzen Beach Center Property tax account # R323476

Business name Jantzen Beach Super Center (Burlington)

Legal owner of sign Jantzen Dynamic Corp (Now EDENS): Attn: Tara Platt

Address of sign owner 1824 N. Hayden Island Dr. Portland, OR 97217

Property owner name Same as Above

Address \_\_\_\_\_

Sign contractor name Tube Art Group Construction contractors board # 70956

Address 4243- A SE International Way Milwaukie, Or 97222

Day Phone (503) 653-1133 FAX (503) 659-9191 email dosterman@tubeart.com

### For electric signs

Electrician's name Ken Schultz kschultz@tubeart.com Electrician's license # 366 sig

### Which of the following best describes the proposed work?

- New sign
- Alteration to existing sign -Relocates Existing Sign, due to sitework
- Addition to an existing sign, size increased by \_\_\_\_\_%
- New awning
- Addition to existing awning
- Addition of a sign to existing awning

### Type of sign, check all that apply

- Freestanding
- Sign on awning
- Painted wall/adhered
- Other \_\_\_\_\_
- Monument
- Fascia sign, over 400 lbs.
- Pitched roof
- Projecting
- Fascia sign 400 lbs. or less
- Sign on marquee
- Sign attached to canopy

### Proposed sign dimensions

width of sign face	height of sign face	overall sign height	depth of fascia sign	total area of sign
<u>13'</u> ft.	<u>11'</u> ft.	<u>+/- 25'</u> ft.	<u>24"</u> in.	<u>143</u> sq. ft.

- [N] Do you have permission of the property owner to erect this sign?
- [Y]  Changing image features? If yes, area of change \_\_\_\_\_ sq.ft.  [N] Illuminated?
- [Y]  Complete listing or existing signs attached. Required, a complete listing including type and size area.
- [N] Site plan attached. If a site plan is required it must show size and location of existing signs, for site plan requirements see the Sign Permit Program Guide.

Applicant's signature [Signature]

Applicant's name, printed Dan Osterman Applicants phone # (503) 653-1133



MILLER  
CONSULTING  
ENGINEERS

**STRUCTURAL CALCULATIONS**

**Burlington Pylon Sign  
1405 Jantzen Beach Center, Portland, Oregon  
Tube Art Group**

**August 6, 2012  
Project No. 120543  
4 pages**

**Principal Checked: lcmm**



**\*\*\* LIMITATIONS \*\*\***

Miller Consulting Engineers, Inc. was retained in a limited capacity for this project. This design is based upon information provided by the client, who is solely responsible for accuracy of same. No responsibility and or liability is assumed by or is to be assigned to the engineer for items beyond that shown on these sheets.

Scope of work is for the verification of the existing poles and design of new footings.

See pages 3-4 for structural notes. **VERIFY (E) STEEL IS NOT CORRODED**

**LOADING:**

DESIGN PER 2009 INTERNATIONAL BUILDING CODE (IBC)

WIND: ASCE7-05 **95** MPH, EXP **C** MAXIMUM HEIGHT (h) = **25** ft  
(3 second gust) IMPORTANCE FACTOR (I) = **1**

K1 = **0.00** (ASCE 7-05 Figure 6-4)

K2 = **1.00** (ASCE 7-05 Figure 6-4)

K3 = **1.00** (ASCE 7-05 Figure 6-4)

Kzt = **1.00** (ASCE Eqn. 6-3)

Kd = **0.85** (ASCE 7-05 Table 6-4)

Cf = **1.76** (ASCE 7-05 Figure 6-20)

s = **11.00** ft s/h = **0.44**

B = **13.00** ft B/s = **1.18**

Dist. btwn. poles = **8.83** ft (ctr to ctr)

0.2B = **2.60** ft

GUST FACTOR (G) = **0.85**

$F = qz \cdot G \cdot Cf$

Kz	qz	I	F (psf)	h
0.85	16.69	1	= 25.0	0 - 15 ft
0.9	17.67	1	= 26.4	15 - 20 ft
0.94	18.46	1	= 27.6	20 - 25 ft

**FORCES:**

F1 = **0.79** \* (4295) = **3393** lb (w/ 20% offset)

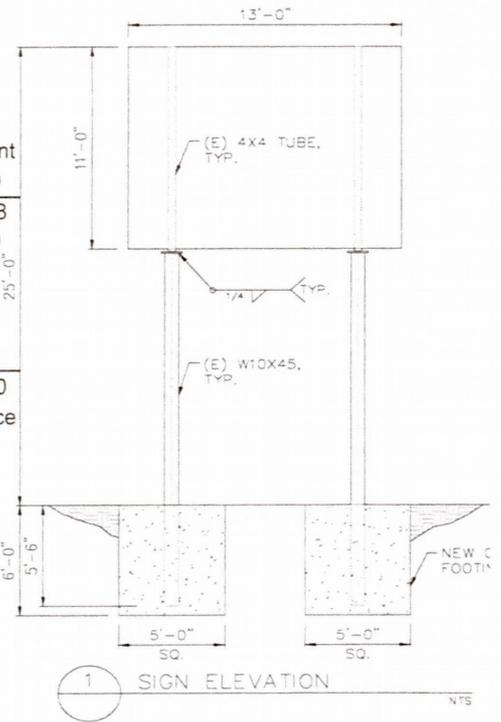
Width	Height to bottom (ft)	Height to top (ft)	Area (sq. ft.)	Wind load (psf)	Force (lbs)	Height to center (ft)	Moment (ft-lb)	14	Moment (ft-lb)
13.00	20.00	25	65.00	27.6	1794	22.50	40365	9	15698
13.00	15.00	20	65.00	26.4	1717	17.50	30048	4	6439
13.00	14.00	15	13.00	25.0	324	14.50	4698	1	243
0.67	13.75	14	0.17	25.0	4	13.88	56	0	1
1.33	0.00	13.75	18.29	25.0	456	6.88	3135		
0.00	0.00	0	0.00	25.0	0	0.00	0		
				$\Sigma = 4295$		$\Sigma = 78301$			22380
									at base
									at splice

**SIGN POLE:**

Double Staged (Two Pole)  
(with 20% offset)

M = **61858** ft-lb = 78301 \* 0.79

(E) W10x45 OK  
SEE NEXT PG. FOR CALL.



**EMBEDDED POLE:**

(IBC 1807.3.2.1 NonConstrained)

Mnet = <b>36.417</b> k-ft	Applied moment from sign minus 0.6 resisting moment from dead load
P = <b>3.393</b> k	Applied lateral force, kips
h (effective) = <b>10.73</b> ft	distance from ground surface to P, ft
q = <b>300</b> psf/ft	allowable soil-brg, psf/ft
b = <b>7.07</b> ft 85"	dia. or diagonal dimension of a 5.00 post, ft
d (estimated) = <b>6.00</b> ft	ESTIMATED embedment, ft 6.00 for pressure

$q = 2(150) = 300$  \*

\* Allowable w/ 1/2" movement at groundline for 1500 psf soil bearing

UNconstrained	volume of concrete = <b>5.6</b> yds
S <sub>1</sub> = <b>600</b> psf = q*d <sub>est</sub> / 3	footing wt = <b>22.5</b> kip
A = <b>1.9</b> ft = 2.34*P*1000/(S <sub>1</sub> *b)	sign wt = <b>2.94</b> kip
d = <b>5.71</b> ft = A/2*(1+(1+4.36*h/A)^.5)	Total wt (DL) = <b>25.44</b> kip
OK UNconstrained	eccentricity of load to reaction (e) = <b>1.67</b> ft = 5/2*2/3
	dead load resisting moment (0.6DL*e) = <b>25.44</b> ft-kip

Use 5' - 0" square x 6' - 0" embedment footing

Embed the post 5' - 0" into 2000 psi concrete backfill as specified in IBC 1807.3.3.



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Project Name Jantzen Beach Pylon Sign Project # 120543

Location 1405 Jantzen Beach Center, Portland, Oregon

Client Tube Art Group

By CJM Date 8/6/12 Page 1 of 4

Steel Column/Beam Design - AISC 13th Addition

Shape: W

Shape Capacity = 0.69 < 1.0

Size: 10X45

ASD

Pr =	1.47	k, axial compression load
Mr <sub>x</sub> =	61.86	ft-k, strong axis moment
Mr <sub>y</sub> =	0.00	ft-k, weak axis moment
Vr <sub>y</sub> =	3.39	k, strong axis shear
Vr <sub>x</sub> =	0.00	k, weak axis shear
K <sub>x</sub> =	2.00	(Table C-C2.2, pg 16.1-240)
K <sub>y</sub> =	2.00	(Table C-C2.2, pg 16.1-240)
Lb <sub>x</sub> =	13.75	ft
Lb <sub>y</sub> =	13.75	ft
KL/r <sub>x</sub> =	76.39	
KL/r <sub>y</sub> =	164.18	
E =	29000	ksi
F <sub>y</sub> =	36	ksi
d =	10.1	in
Ag =	13.30	in <sup>2</sup>
tf =	0.62	in
bf =	8.02	in
tw =	0.35	in
hw =	7.88	in
Z <sub>x</sub> =	54.9	in <sup>3</sup>
Z <sub>y</sub> =	20.3	in <sup>3</sup>
S <sub>x</sub> =	49.1	in <sup>3</sup>
S <sub>y</sub> =	13.3	in <sup>3</sup>
I <sub>x</sub> =	248	in <sup>4</sup>
I <sub>y</sub> =	53.4	in <sup>4</sup>
r <sub>x</sub> =	4.32	in
r <sub>y</sub> =	2.01	in
J =	1.51	in <sup>4</sup>
Cw =	1200	in <sup>6</sup>

Section is Compact in the flange for flexure  
 Section is Compact in the flange for compression  
 Section is Compact in the web for flexure  
 Section is Compact in the web for compression

Axial Capacity, Chapter E

A <sub>eff</sub> =	13.30	in <sup>2</sup>
Q =	1.00	
Q <sub>s</sub> =	1.00	(Section E7, pg 16.1-40)
Q <sub>a</sub> =	1.00	(Section E7, pg 16.1-42)
F <sub>e<sub>x</sub></sub> =	49.0	ksi, (Section E3 pg 16.1-33)
F <sub>e<sub>y</sub></sub> =	10.6	ksi, (Section E3 pg 16.1-33)
F <sub>cr<sub>x</sub></sub> =	26.5	ksi, (Section E3 pg 16.1-33)
F <sub>cr<sub>y</sub></sub> =	9.3	ksi, (Section E3 pg 16.1-33)
P <sub>n<sub>x</sub></sub> =	352	k, (Section E3 pg 16.1-33)
P <sub>n<sub>y</sub></sub> =	124	k, (Section E3 pg 16.1-33)

Moment Capacity, Chapter F

C <sub>b</sub> =	1	
M <sub>n<sub>x</sub></sub> =	152.7	ft-k, (section F2 pg. 16.1-47)
M <sub>n<sub>y</sub></sub> =	60.9	ft-k, (section F6 pg. 16.1-54)

Shear Capacity, Chapter G

k <sub>v<sub>x</sub></sub> =	5	(Section G2, pg 16.1-65)
k <sub>v<sub>y</sub></sub> =	1.2	(Section G7, pg 16.1-68)
C <sub>v<sub>x</sub></sub> =	1.00	(Section G2, pg 16.1-65)
C <sub>v<sub>y</sub></sub> =	1.00	(Section G2, pg 16.1-65)
A <sub>w<sub>x</sub></sub> =	3.54	in <sup>2</sup> , (Section G5, pg 16.1-68)
A <sub>w<sub>y</sub></sub> =	9.94	in <sup>2</sup> , (Section G5, pg 16.1-68)
V <sub>n<sub>x</sub></sub> =	76.4	k, (Section G2, pg 16.1-65)
V <sub>n<sub>y</sub></sub> =	214.8	k, (Section G2, pg 16.1-65)

Allowable Capacities: R<sub>n</sub> / Ω (ASD); R<sub>n</sub> \* Φ (LRFD)

(ASD)	P <sub>c</sub> , k	M <sub>c</sub> , ft-k	V <sub>c</sub> , k
x-axis	74.2	91.4	50.9
y-axis		36.5	143.2

Interaction Equations:

Pr/P <sub>c</sub> =	0.02	< 0.2, Equation H1-1b controls
	0.69	< 1.0 OK

Equation H1-1b, AISC 13 ed., pg 16.1-70

Use W 10X45 (EXISTING)

(CUT + RE-WELDED)

CHECK WELD AT TOP TO (E) PLATE

I<sub>WELD</sub> = 156 in<sup>4</sup>

S<sub>WELD</sub> = 156 / 5.23" = 29.8 in<sup>3</sup>

f<sub>b</sub> = 22380 \* 0.79 \* 12 / 29.8 = 7120 psi

A<sub>WELD</sub> = 9.08 in<sup>2</sup>

f<sub>v</sub> = 3393 / 9.08 = 374 psi

Σ = 7494 psi < 21000 OK

USE 1/4" FILLET ALL AROUND



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By CJM ck'd Keman Date 8/6/12 Page 2 of 4

## GENERAL

THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND CORRELATION OF ALL ITEMS AND WORK NECESSARY FOR COMPLETION OF THE PROJECT AS INDICATED BY THE CONTRACT DOCUMENTS. SHOULD ANY QUESTION ARISE REGARDING THE CONTRACT DOCUMENTS OR SITE CONDITIONS, THE CONTRACTOR SHALL REQUEST INTERPRETATION AND CLARIFICATION FROM THE ENGINEER BEFORE BEGINNING THE PROJECT. THE ABSENCE OF SUCH REQUEST SHALL SIGNIFY THAT THE CONTRACTOR HAS REVIEWED AND FAMILIARIZED HIMSELF WITH ALL ASPECTS OF THE PROJECT AND HAS COMPLETE COMPREHENSION THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL SAFETY REGULATIONS DURING CONSTRUCTION.

THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SPECIFICALLY NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION OR CONSTRUCTION LOADS. ONLY THE CONTRACTOR SHALL PROVIDE ALL METHODS, DIRECTION AND RELATED EQUIPMENT NECESSARY TO PROTECT THE STRUCTURE, WORKMEN AND OTHER PERSONS AND PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ENGAGE PROPERLY QUALIFIED PERSONS TO DETERMINE WHERE AND HOW TEMPORARY PRECAUTIONARY MEASURES SHALL BE USED AND INSPECT SAME IN THE FIELD. ANY MATERIAL NOT AS SPECIFIED OR IMPROPER MATERIAL INSTALLATION OR WORKMANSHIP SHALL BE REMOVED AND REPLACED WITH SPECIFIED MATERIAL IN A WORKMANLIKE MANNER AT THE CONTRACTOR'S EXPENSE.

THESE PLANS, SPECIFICATIONS, ENGINEERING AND DESIGN WORK ARE INTENDED SOLELY FOR THE PROJECT SPECIFIED HEREIN. MILLER CONSULTING ENGINEERS DISCLAIMS ALL LIABILITY IF THESE PLANS AND SPECIFICATIONS OR THE DESIGN, ADVICE AND INSTRUCTIONS ATTENDANT THERETO ARE USED ON ANY PROJECT OR AT ANY LOCATION OTHER THAN THE PROJECT AND LOCATION SPECIFIED HEREIN. OBSERVATION VISITS TO THE JOB SITE AND SPECIAL INSPECTIONS ARE NOT PART OF THE STRUCTURAL ENGINEER'S RESPONSIBILITY UNLESS THE CONTRACT DOCUMENTS SPECIFY OTHERWISE.

NON STRUCTURAL PORTIONS OF PROJECT, INCLUDING BUT NOT LIMITED TO PLUMBING, FIRE PROTECTION, LAND USE, SITE PLANNING, EROSION CONTROL, ELECTRICAL, MECHANICAL, FLASHING AND WATER-PROOFING ARE BEYOND THE SCOPE OF THESE DRAWINGS AND ARE PROVIDED BY OTHERS. EXISTING STRUCTURAL ELEMENTS ARE DESIGNED BY OTHERS.

CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO FABRICATION OR INSTALLATION. ENGINEER OF RECORD FOR THE PROJECT IS TO BE NOTIFIED IF CONDITIONS DIFFER FROM WHAT IS SHOWN ON THE DRAWINGS.

### BUILDING CODE

ALL PHASES OF THE WORK SHALL CONFORM TO THE 2010 OREGON STRUCTURAL SPECIALTY CODE, EFFECTIVE DATE JULY 1, 2010, BASED ON THE 2009 INTERNATIONAL BUILDING CODE, INCLUDING ALL REFERENCE STANDARDS, UNLESS NOTED OTHERWISE.



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By CJM ck'd km Date 8/6/12 Page 3 of 4

## DESIGN LOADS

THE FOLLOWING ARE THE DESIGN REQUIREMENTS:

<b>STRUCTURAL DESIGN CRITERIA</b>	
OCCUPANCY CATEGORY	II
WIND DESIGN DATA	
BASIC WIND SPEED (3 SEC GUST)	95 MPH
IMPORTANCE FACTOR	$I_w = 1.0$
EXPOSURE	C

## FOUNDATIONS

### FOUNDATION CRITERIA

CONTRACTOR SHALL VERIFY SOIL CONDITIONS AT THE FOOTINGS AND MAKE ANY NECESSARY CORRECTIONS TO PLACE THEM ON FIRM NATIVE SOIL OR STRUCTURAL FILL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT PER AMERICAN SOCIETY FOR TESTING AND MATERIALS, ASTM D698 (STANDARD PROCTOR), OR ASTM D1557 (MODIFIED PROCTOR). THE COMPACTION SHALL BE VERIFIED BY A QUALIFIED INSPECTOR APPROVED BY THE BUILDING OFFICIAL. COMPACTED STRUCTURAL FILL FOR DEPTHS GREATER THAN 12 INCHES SHALL COMPLY WITH PROVISIONS OF AN APPROVED GEOTECHNICAL REPORT. ASSUMED SOIL BEARING PRESSURE 1500 POUNDS PER SQUARE FOOT (PSF).

## STRUCTURAL STEEL

### STRUCTURAL STEEL

ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE ASTM A992 FOR W-SECTIONS AND ASTM A36 FOR ALL OTHER SECTIONS, PLATES AND BARS. ALL RECTANGULAR HSS SECTIONS SHALL BE ASTM A500, GRADE B,  $F_y = 46000$  PSI AND ALL ROUND HSS SECTIONS SHALL BE ASTM A500, GRADE B,  $F_y = 42000$  PSI. ALL STRUCTURAL STEEL PIPE SHALL BE ASTM A53, GRADE B, TYPE E OR S,  $F_y = 35000$  PSI.

UNLESS NOTED OTHERWISE, ALL BOLTS TO BE ASTM A307 AND ALL ANCHOR RODS TO BE ASTM F1554 GRADE 36, WITH MATCHING NUTS. ALL FASTENERS IN CONTACT WITH ALUMINIUM TO BE TYPE 304 STAINLESS STEEL WITH MATCHING NUTS OR HAVE A PROTECTIVE BARRIER TO PREVENT CORROSION. NUTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION PER RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) SPECIFICATION FOR STRUCTURAL JOINTS, SECTION 8.1.

ALL STRUCTURAL STEEL SHALL HAVE ONE COAT OF PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE OR MASONRY. EMBEDDED SURFACES SHALL BE FREE OF CONTAMINANTS. ALL ZINC (GALV.) COATINGS ON IRON AND STEEL PRODUCTS SHALL CONFORM TO ASTM A123. REPAIRS OF GALVANIZED COATINGS ARE TO CONFORM TO ASTM A780. ALL EXPOSED STRUCTURAL STEEL TO HAVE ONE FINISH COAT OF RUST INHIBITING PAINT, COLOR BY OWNER.

ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY (AWS) D1.1 USING E70XX ELECTRODES. WELD LENGTHS SHOWN ARE EFFECTIVE AS SPECIFIED PER THE SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS FOR WELD TYPES SPECIFIED. WHERE WELD LENGTHS ARE NOT SHOWN, THE WELD SHALL BE FULL LENGTH OF MEMBERS BEING JOINED. ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS. ALL WELDS SHALL RECEIVE THE SAME FINISH COAT AS THE MEMBER BEING WELDED.



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By CJM ck'd IC mm Date 8/6/12 Page 4 of 4



**TUBE ART GROUP**

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9773  
 Customer Number  
 119494  
 Quote Number  
 119494 JB Burlington r9  
 File Name  
 Allan Conant  
 Salesperson  
 Danny Rollins  
 Drawn By  
 \*\*  
 Checked By  
 June 22, 2012  
 Date  
 July 11, 2012  
 July 12, 2012  
 July 13, 2012  
 July 25, 2012  
 July 26, 2012  
 August 1, 2012 (vinyl color)  
 August 6, 2012 (Site Plan)  
 August 7, 2012 (Footings)  
 Revisions

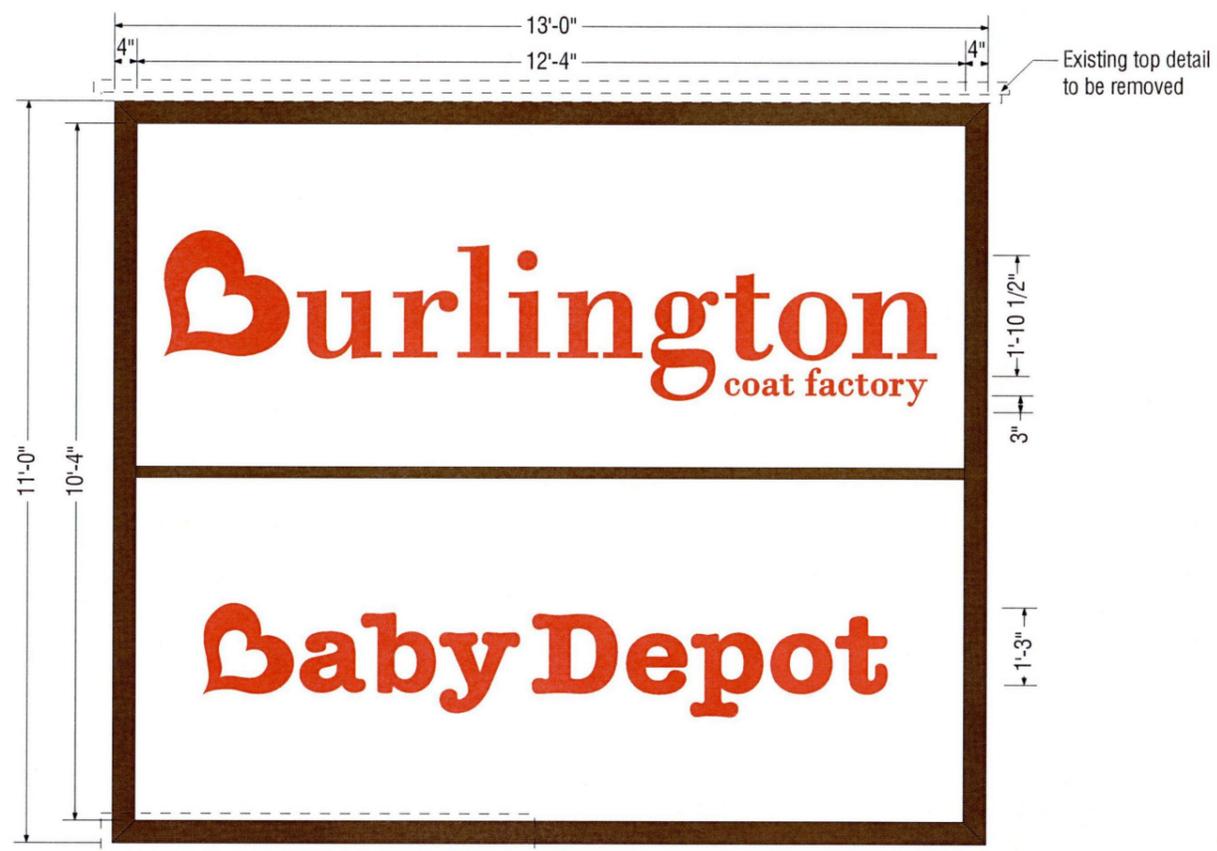
[ ] Approved  
 [ ] Approved With Changes Noted

Customer Signature \_\_\_\_\_  
 Date \_\_\_\_\_  
 Landlord Signature \_\_\_\_\_  
 Date \_\_\_\_\_

**Jantzen Beach Shopping Center**

**Burlington**  
 Portland, OR

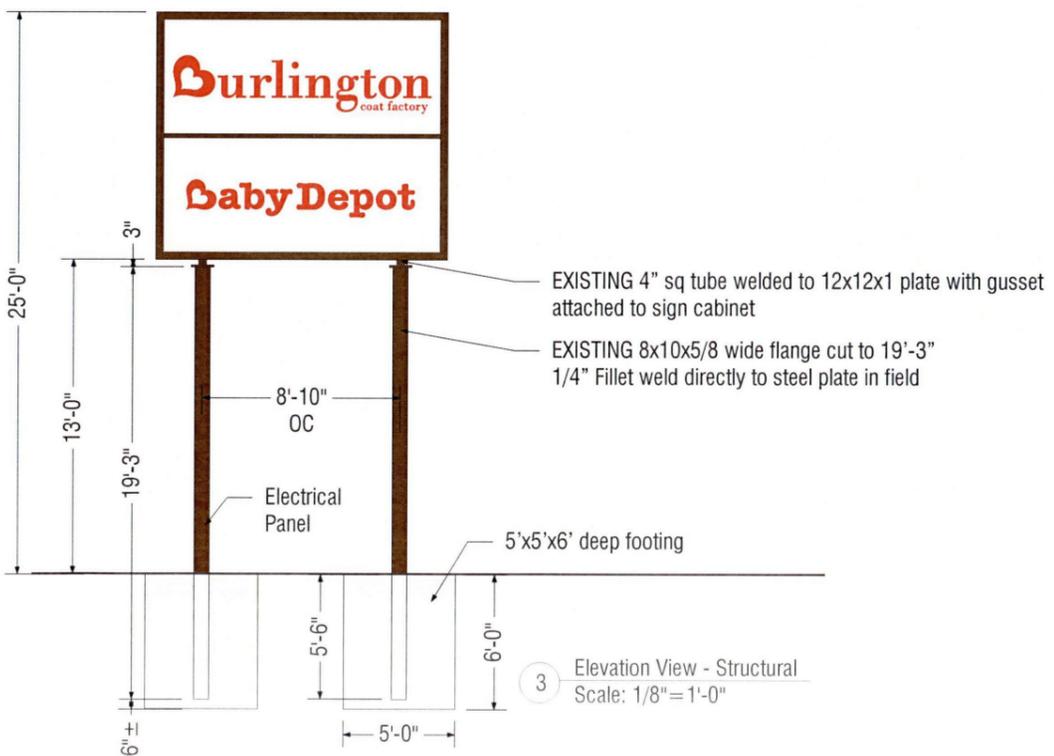
Colors on print do not accurately reflect specific colors.



1 Elevation View - Internally Illuminated D/F Cabinet - Option A  
 Scale: 3/8" = 1'-0"

Sq. Ft. = 143

2 Side View  
 Scale: 3/8" = 1'-0"



3 Elevation View - Structural  
 Scale: 1/8" = 1'-0"

**Refurbish and Install ONE (1) Double Face Internally Illuminated Sign**

Cabinet: Remove existing cabinet, send to Yakima Plant for refurbishing.  
 Remove existing top (2) accents. New .040 bent bottom retainer to replace missing.  
 Paint cabinet to match Sherwin Williams Burnished Brandy (SW7523)  
 Tenant Face: NEW Panaflex face with 3M Red (3630-33) Translucent vinyl. Flat bar screwed to frame to hold face in.  
 Vinyl divider bar paint to match retainer Sherwin Williams Burnished Brandy (SW7523).  
 Illumination: Relamp existing with fluorescent lamps.

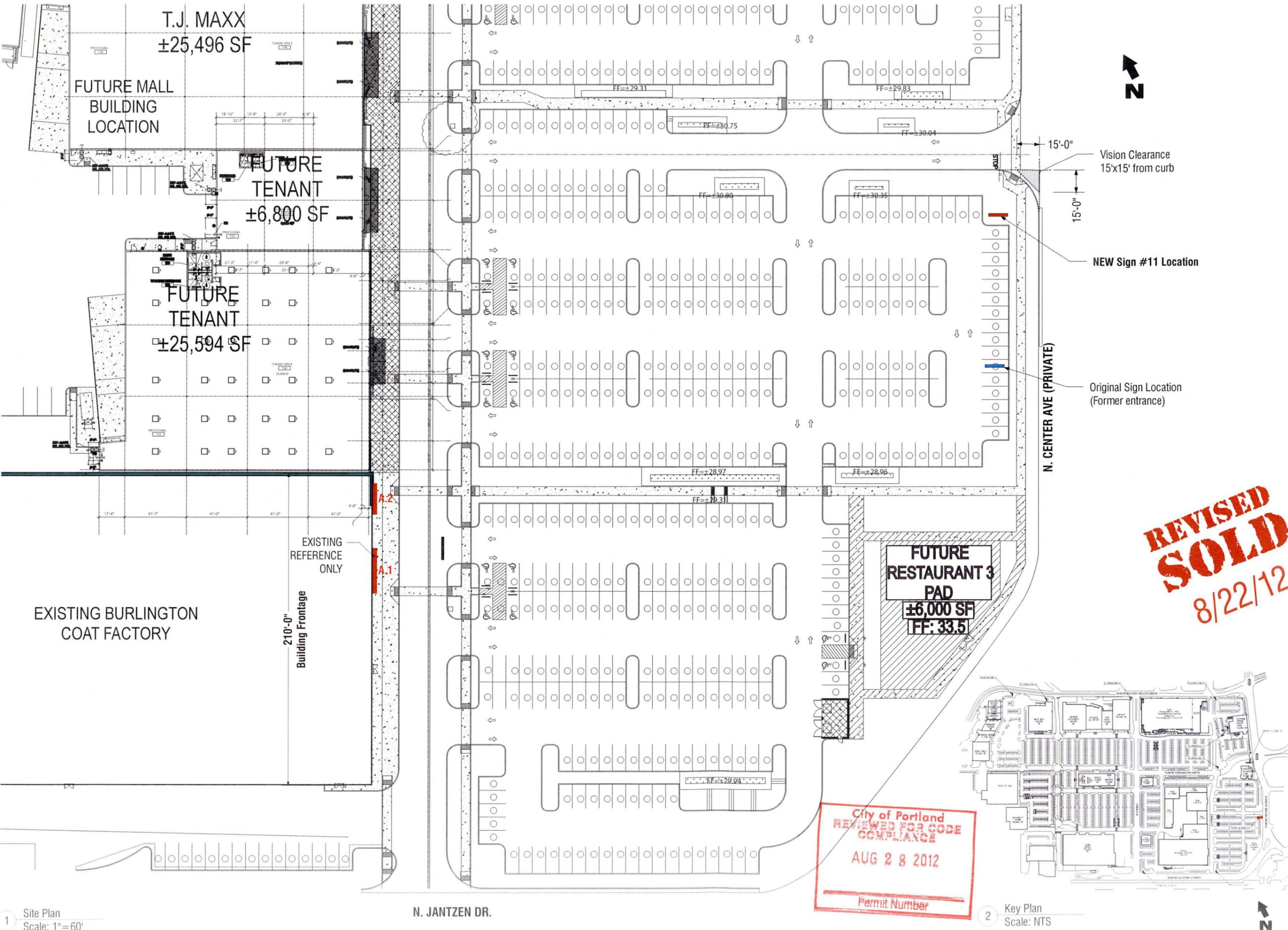
Remove existing steel (8x10x5/8 web wide flange), cut to 19'-3" & paint to match Sherwin Williams Burnished Brandy (SW7523) in Portland shop.  
 Two (2) new footings 5'x5'x6' deep.  
 Re-install in field @ 25' OAH.

**ELECTRICAL NOTE: 277v**



12-1706395G

Scanned



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 Fax 503.659.9191

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9773  
 Customer Number

119494  
 Quote Number

119494 Sold  
 File Name

Allan Conant  
 Salesperson

Danny Rollins  
 Drawn By

\*\*  
 Checked By

June 22, 2012  
 Date

July 12, 2012  
 July 13, 2012  
 July 25, 2012  
 July 26, 2012

August 1, 2012 (vinyl color)  
 August 6, 2012 (Site Plan)  
 August 7, 2012 (Footing)  
 August 22, 2012 (Site Plan)  
 Revisions

[ ] Approved  
 [ ] Approved With Changes Noted

Customer Signature

Date

Landlord Signature

Date

**Jantzen Beach Shopping Center**

**Burlington**

Portland, OR

Colors on print do not accurately depict specific colors.



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Revisions

Approved

Approved With Changes Noted

Customer Signature

Date

Landlord Signature

Date

**Jantzen Beach Shopping Center**

**Burlington**

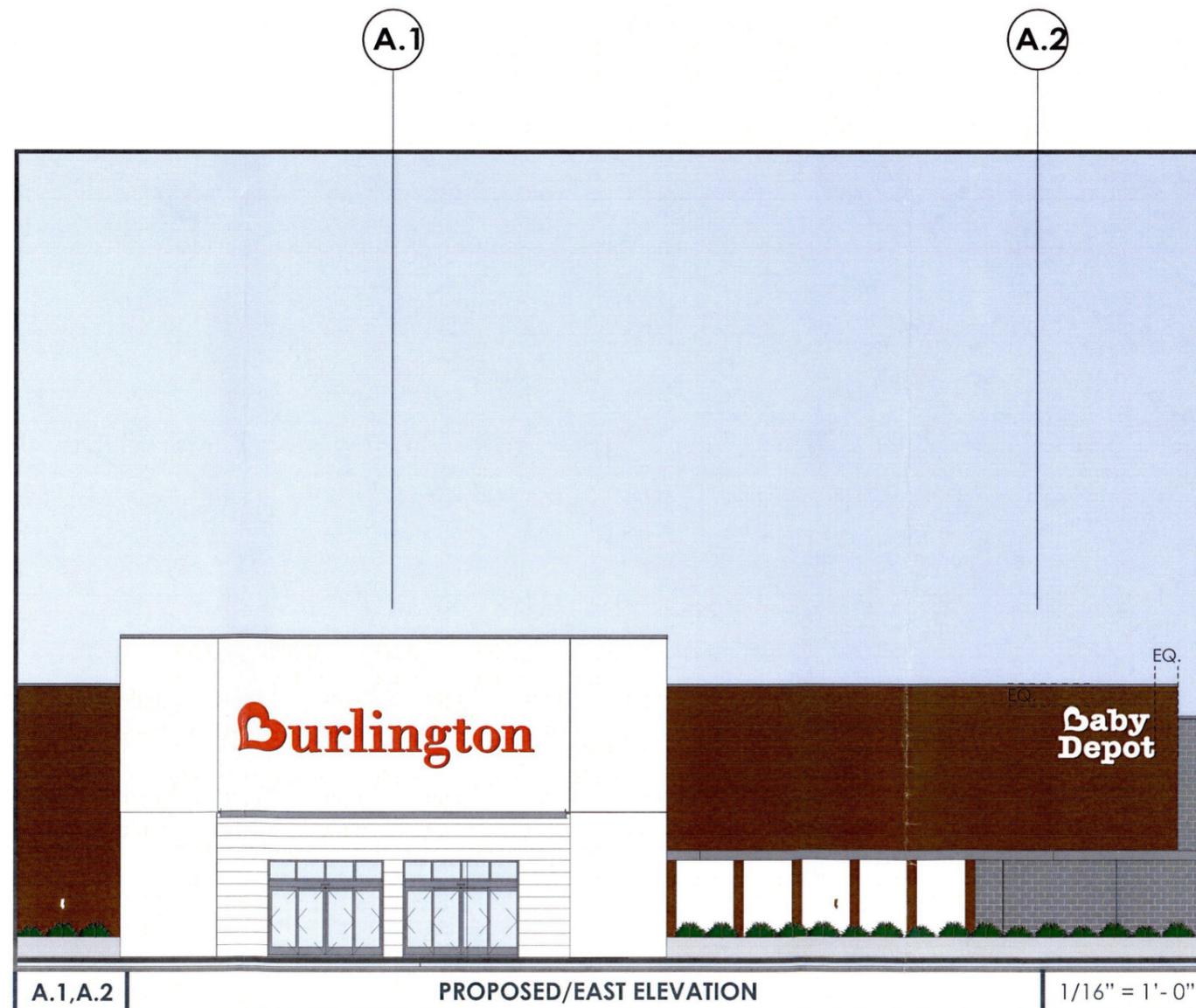
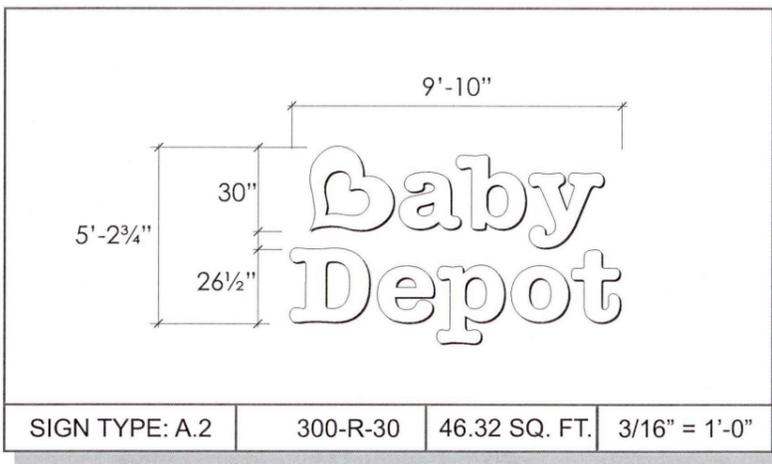
Portland, OR

Colors on print do not accurately depict specific colors.



**EXISTING SIGNAGE FOR REFERENCE ONLY**

**TOTAL SQUARE FOOTAGE = 195.32  
BUILDING FRONTAGE = 210'**





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9773  
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Quote Number

Jantzen Beach Overall Site Plan  
File Name

Allan Conant  
Salesperson

Danny Rollins  
Drawn By

\*\*

Checked By

August 22, 2012  
Date

Revisions

- Approved
- Approved With Changes Noted

Customer Signature \_\_\_\_\_

Date \_\_\_\_\_

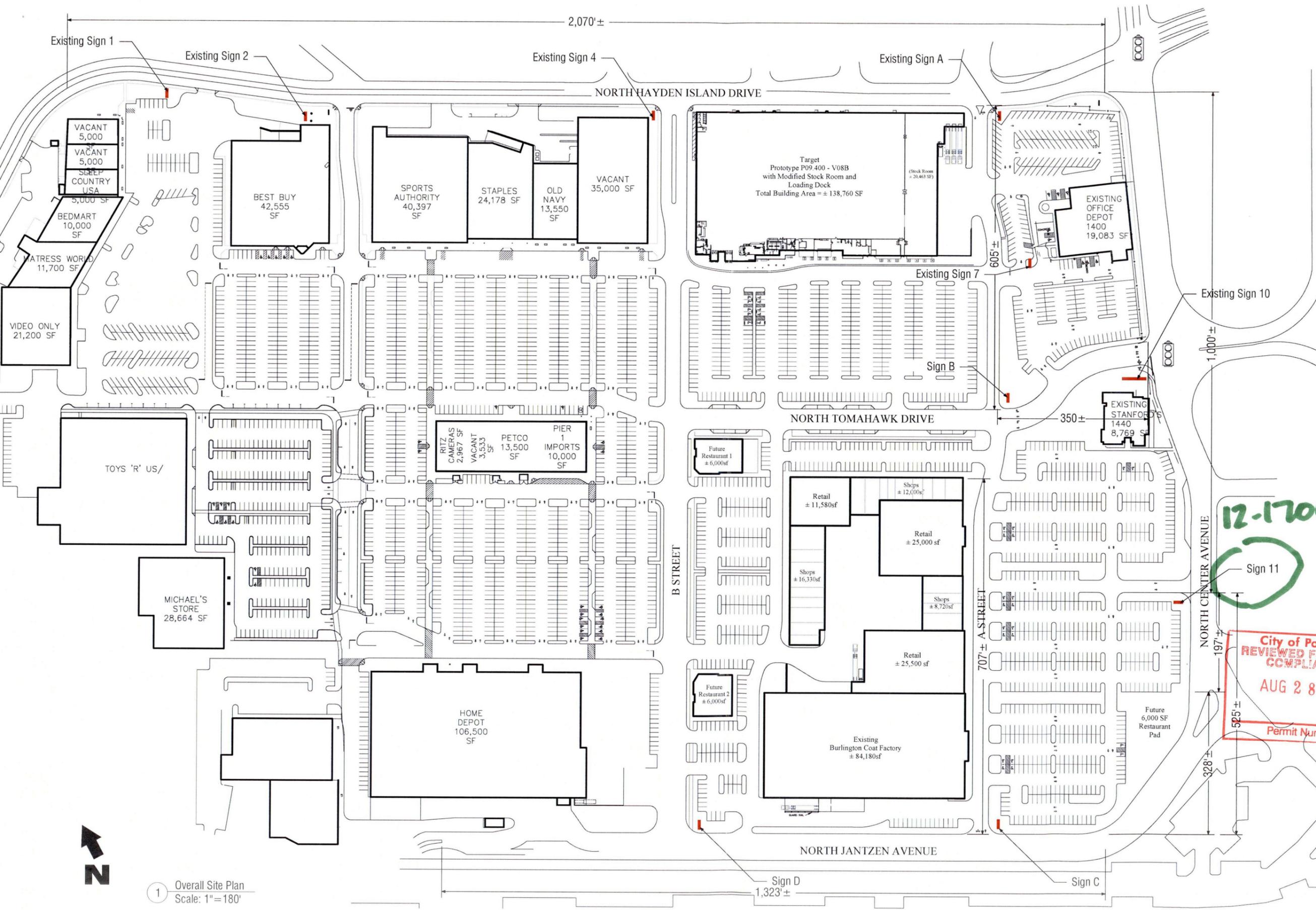
Signature \_\_\_\_\_

Date \_\_\_\_\_

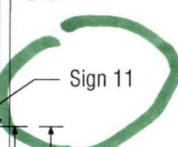
Signature \_\_\_\_\_  
Date \_\_\_\_\_  
Permit Number \_\_\_\_\_  
**Jantzen Beach Shopping Center**  
Portland, OR

**NEW Overall Signage Site Plan**

Colors on print do not accurately depict specific colors



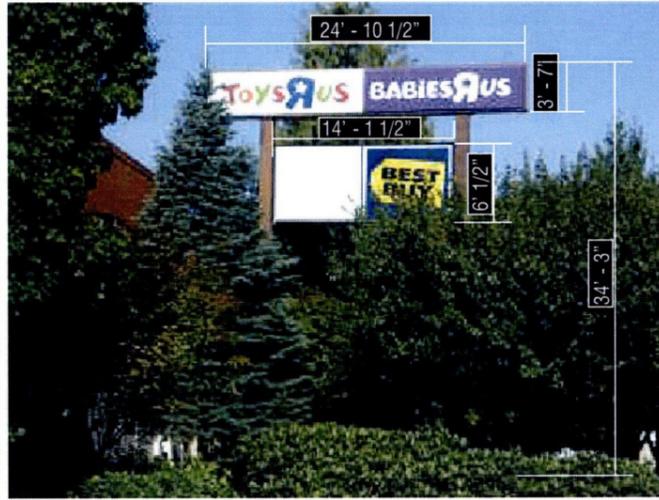
12-1706398



1 Overall Site Plan  
Scale: 1" = 180'



Sign #1 - 113 Sq. Ft.



Sign #2 - 174.33 Sq. Ft.



Sign #4 - 63 Sq. Ft.



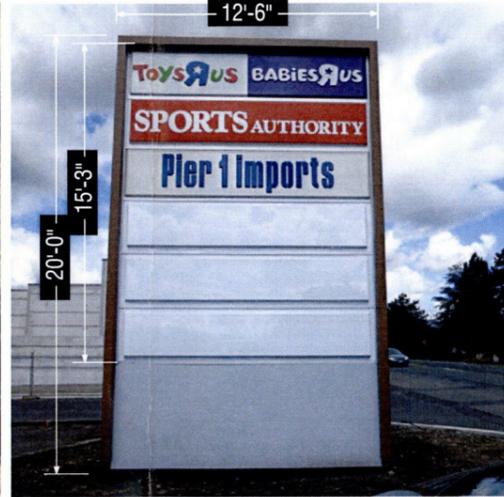
Sign #7 - 137 Sq. Ft.



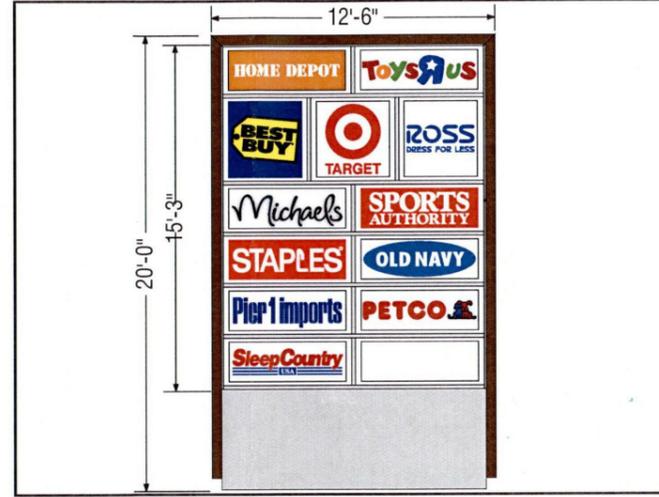
Sign #10 - 593.33 Sq. Ft.



Sign #11 - 143 Sq. Ft.  
New Installation Height at 25'  
Old Height at 38'



Sign #A - 190 Sq. Ft.



Sign #B - 190 Sq. Ft.



Sign #C - 213 Sq. Ft.  
Sign #8



Sign #D - 213 Sq. Ft.  
Old Sign #9



**TUBE ART GROUP**

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9773  
Customer Number

Quote Number

Jantzen Beach Overall Site Plan  
File Name

Allan Conant  
Salesperson

Danny Rollins  
Drawn By

\*\*  
Checked By

August 22, 2012  
Date

Revisions

- Approved
- Approved With Changes Noted

Customer Signature \_\_\_\_\_

Date \_\_\_\_\_

Landlord Signature \_\_\_\_\_

Date \_\_\_\_\_

**Jantzen Beach Shopping Center**  
Portland, OR

**Overall Signage Site Plan**

Colors on print do not accurately depict specific colors.