

Permit Application

Submit this form and any required attachments to:

City of Chehalis
Community Development Department
1321 S. MARKET BLVD.
CHEHALIS WA 98532
(360) 345-2229

APPLICANT FILL OUT AND SIGN UPPER SECTION:

JOB ADDRESS: 217 ALDERWOOD DRIVE

APPLICANT:

NAME: VIRGIL FOX
ADDRESS: 921-B MIDDLE FORK RD.
CITY/STATE/ZIP: ONALASKA 98570
PHONE#: 360-520-3581
EMAIL: VIRG@VR.FOX.COM

PROPERTY OWNER (Same as Applicant? Yes No)

NAME: VIRGIL FOX
ADDRESS: 921-B MIDDLE FORK RD.
CITY/STATE/ZIP: ONALASKA 98570
PHONE#: 360-520-3581
EMAIL: VIRG@VR.FOX.COM

CONTACT PERSON (Same as Applicant? Yes No)

COMPANY NAME: _____
NAME: DAVID KEEN ARCHITECT
ADDRESS: P.O. 107
CITY/STATE/ZIP: CHEHALIS WA, 98531
PHONE #: 360-734-8615
EMAIL: ARCHT57@YAHOO.COM

CONTRACTOR (Same as Property Owner? Yes No)

COMPANY: OWNER
CONTRACTOR REGISTRATION #: _____
ADDRESS: _____
CITY/STATE/ZIP: _____
PHONE #: _____
EMAIL: _____

DETAILED PROJECT DESCRIPTION:

SINGLE FAMILY RESIDENCE WITH ATTACHED GARAGE
ONE STORY, WOOD FRAME

PROJECT VALUE: _____

Verbal comments made during discovery are not binding. Only the plan(s) submitted will be reviewed for compliance with applicable codes. By signing below, I grant permission for City of Chehalis employees to enter and remain on the property for the purpose of review and approval of this proposal and to conduct inspections related to this proposal.

Signature: 	Date: <u>8/20/18</u>
Name (print): <u>Virgil Fox</u>	Telephone #: <u>360 520.3581</u>

OFFICE USE ONLY:

Date Received: AUG 21 2018 By: DK Date Reviewed: _____ By: _____
Parcel #: 021862001095 Zoning: RUGA Flood Zone: NO
Permit #: UGA-BU-18-0016

Development Permit Attachment

City of Chehalis
 Community Development Department
 1321 S MARKET BLVD
 CHEHALIS, WA 98532
 (360) 345-2229

Site Address: 217 ALDERWOOD DRIVE

Permit # UGA-BU-18-0016

- | | | | |
|----------------------------------------------|----------------------------------------------|------------------------------------------------|-------------------------------------------------|
| <input checked="" type="checkbox"/> Building | <input checked="" type="checkbox"/> Plumbing | <input checked="" type="checkbox"/> Mechanical | <input type="checkbox"/> Manufactured Structure |
| <input type="checkbox"/> Sign | <input type="checkbox"/> Occupancy | <input type="checkbox"/> Demolition | <input type="checkbox"/> Administrative |
| <input type="checkbox"/> Flood Plain | <input type="checkbox"/> Tenant Improvement | <input type="checkbox"/> Fire Permit | <input type="checkbox"/> Other |

PROPOSED USE OF BLDG: Single Family Home TYPE OF BLDG HEAT: ELECT. HEAT PUMP
 TOTAL SQ FT OF BLDG: 4,022 PROPOSED HEIGHT: 29'
 # OF DWELLING UNITS: 1 AREA OF ADDITION: _____
 # OF PARKING SPACES: _____
 VALUE/CONST COST OF THE CONSTRUCTION PORTION \$ _____

PLEASE NOTE

For new construction, additions and substantial remodel, alterations, demolitions;

- ✓ Application cover sheet and attachment forms
- ✓ Two complete sets of plans of any size and one set of reproducible plans, including civil plans will be required. One set will be returned as the approved construction plan.
- ✓ Site plan drawn to scale depicting entire property; what's existing, what's proposed
- ✓ Fees

For an application to be deemed complete, all fees must be paid. Contact Community Development to determine what fees will be owed at the time of submittal.

TO THE APPLICANT:

WAC 296-200A-110 Before issuing a building permit, a city, county or town must verify the registration of the general or specialty contractor applying for the permit.

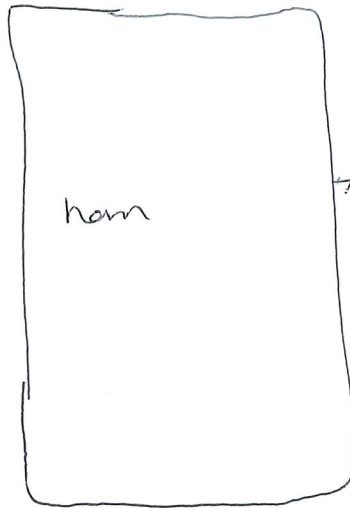
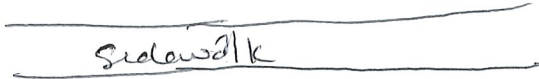
RCW 18.27.010 (1)(a) "Contractor" includes any person, firm, corporation, or other entity who or which, in the pursuit of an independent business undertakes to, or offers to undertake, or submits a bid to, construct, alter, repair, add to, subtract from, improve, develop, move, wreck, or demolish any building, highway, road, railroad, excavation or other structure, project, development, or improvement attached to real estate or to do any part thereof including the installation of carpeting or other floor covering, the erection of scaffolding or other structures or works in connection therewith, the installation or repair of roofing or siding, performing tree removal services, or cabinet or similar installation; or, who, to do similar work upon his or her own property, employs members of more than one trade upon a single job or project or under a single building permit except as otherwise provided in this chapter. "Contractor" also includes a consultant acting as a general contractor.

"Contractor" also includes any person, firm, corporation, or other entity covered by this subsection (1), whether or not registered as required under this chapter or who are otherwise required to be registered or licensed by law, who offer to sell their property without occupying or using the structures, projects, developments, or improvements for more than one year from the date the structure, project, development, or improvement was substantially completed or abandoned. A person, firm, corporation, or other entity is not a contractor under this subsection (1)(c) if the person, firm, corporation, or other entity contracts with a registered general contractor and does not superintend the work.

CMC: 5.04.020 Business License required. No person shall engage in business in the city without first obtaining a license for such business issued by the city as provided herein. (This includes contractors.)

AUG 27 2018 *[Signature]*

Ohio Ave



feet
Between
home
and alley

main sewer in

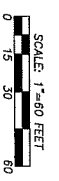
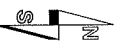


Alley



AUG 21 2018

Exhibit Map depicting proposed site changes and lot layout of portions of the Northwest quarter and Southeast quarter of Section 33, Township 14 North, Range 2 West, W.M., in Lewis County, Washington.



Method of Recovery: Record of Survey as recorded under Auditor's File Number 3217448, Records of Lewis County, Washington.

- Found center
- ⊙ Calculated position

Reference Surveys:
 1) C.M. Butler, PLS 36792, A.M. 3217448 (2005)
 2) C.M. Butler, PLS 36792, A.M. 3192510 (2009)

- ▲ Proposed 3887.0 s.f. residence.
- ▲ Sanitary sewer manhole
 Rim elev. = 220.56
 I.E. 10" PVC N.E. = 279.70
 I.E. 10" PVC S.W. = 279.19
 Sanitary sewer manhole
 Rim elev. = 224.20
 I.E. 10" PVC N.E. = 275.46
 I.E. 8" PVC N. = 275.47
- ▲ 30.00 foot wide utility easement across TPN 01748000000, 1/4/9 15.00 feet from side of easement.
- ▲ 20.00 foot wide utility easement across TPN 01748000000, 1/4/9 10.00 feet from side of easement.

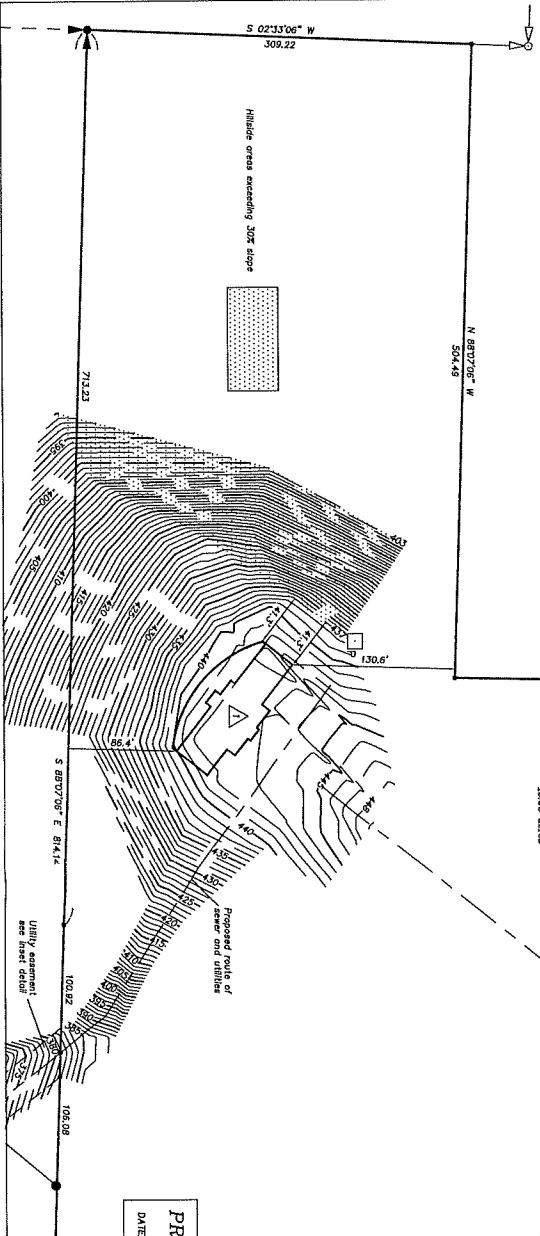
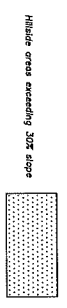
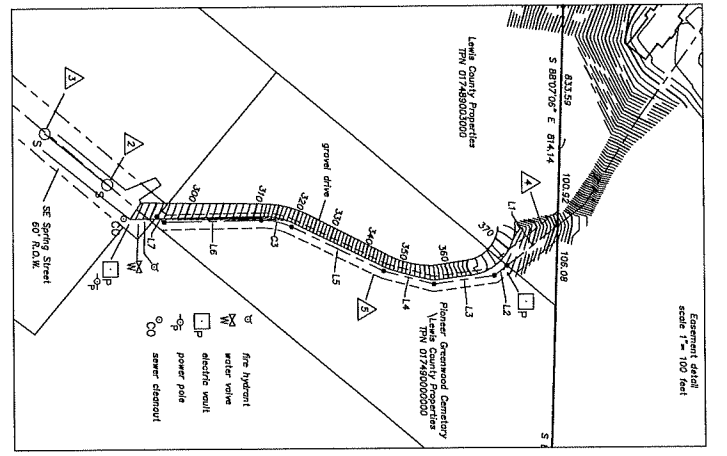
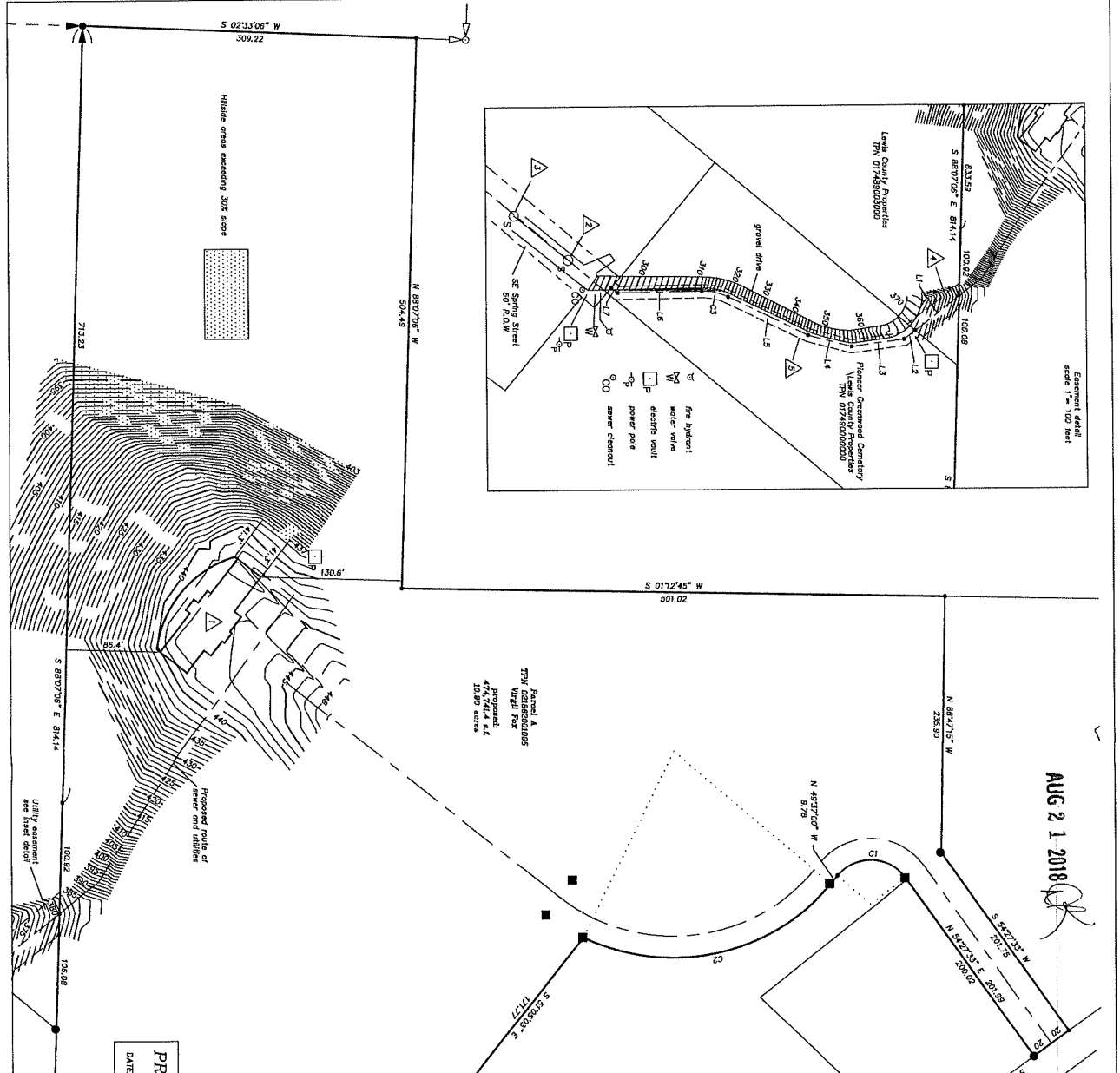
LINE	BEARING	DISTANCE
1	S 27°05' E	65.53
2	N 37°29' W	21.40
3	S 07°21' W	81.44
4	S 26°41' W	135.69
5	S 07°48' W	128.59
6	S 39°33' N	12.37

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C1	40.00	7.26	104°14' 38"
C2	188.00	248.67	25°11' 20"
C3	80.00	51.70	28°52' 21"



BYTLER SURVEYING INC.
 478 NW CHEZELIA AVENUE
 SEASIDE, WA 98339
 360/748-8100 FAX 360/748-8110

PRELIMINARY DRAWING
 DATE _____



Parcel A
 TPN 02182600005
 proposed:
 4787.0 s.f. s.f.
 1/4/9 acres

N 88°07'08" W
 504.49

S 01°12'45" W
 501.02

N 88°27'15" W
 235.80

S 50°22'11" W
 207.25
 N 34°27'32" E
 200.98

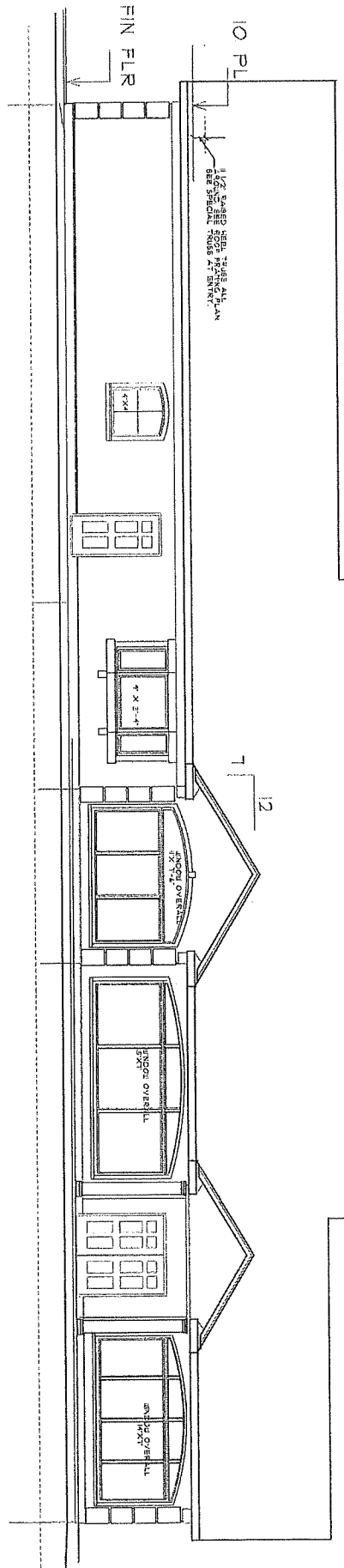
N 49°37'00" W
 5.78

S 61°08'02" E
 171.72

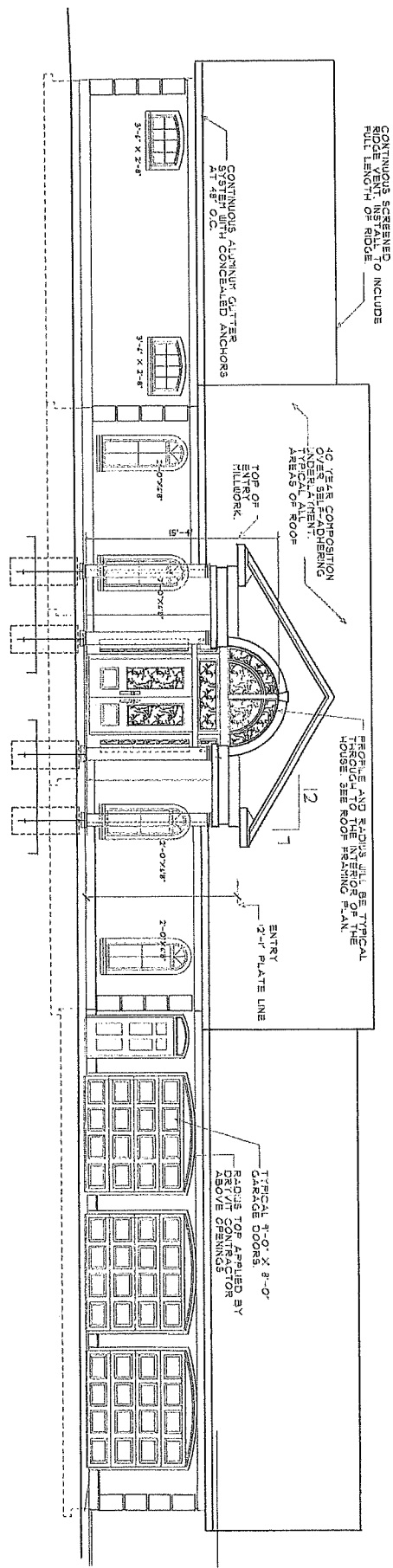
S 88°07'08" E 814.14

713.23

W 02°13'00" S
 308.22



WEST ELEVATION

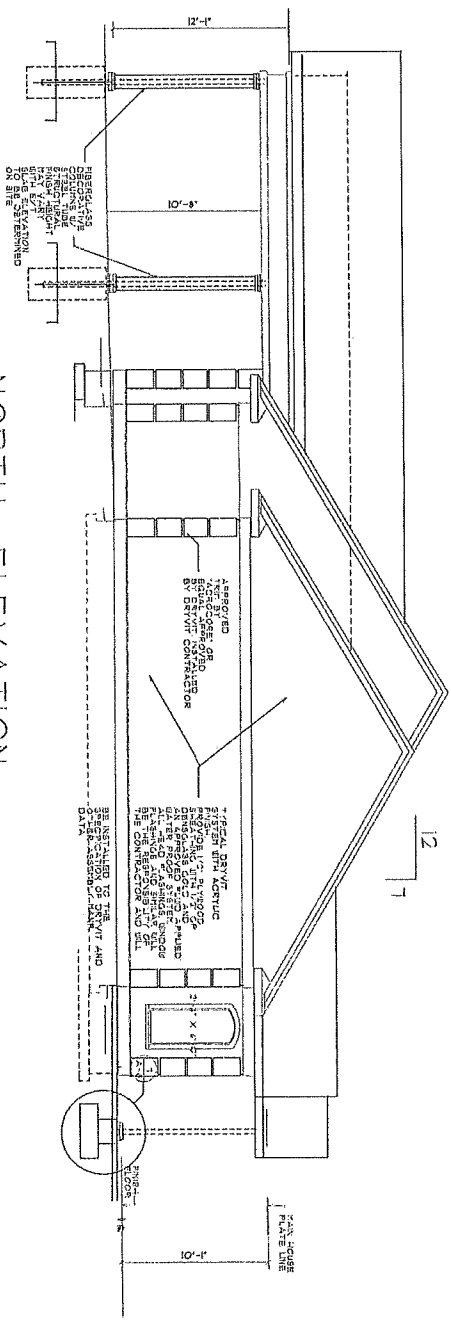


EAST ELEVATION

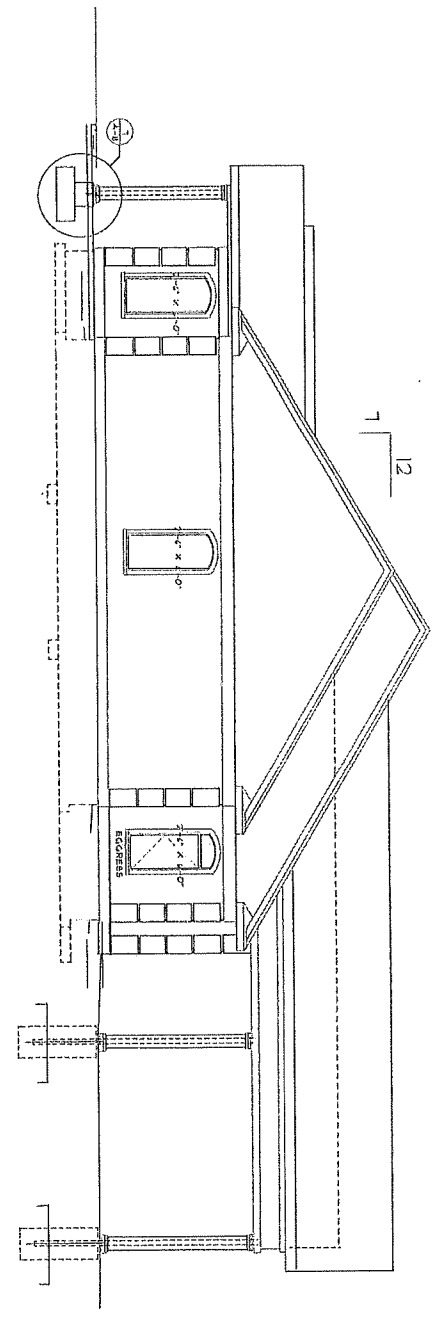
DATE:
DATE:

A-3	<p>FOX RESIDENCE 217 ALDERWOOD DR. CHEHALIS, WA.</p>	<p>DAVID L. KEEN ARCHITECT PACIFIC DESIGN ARCHITECTS PLLC PO 107 CENTRALIA, WA (360)-134-8415 ARCHT51@YAHOO.COM</p>	<p>PROJECT: 0662218 DATE: 6/18 REVISED:</p>
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NORTH ELEVATION



SOUTH ELEVATION



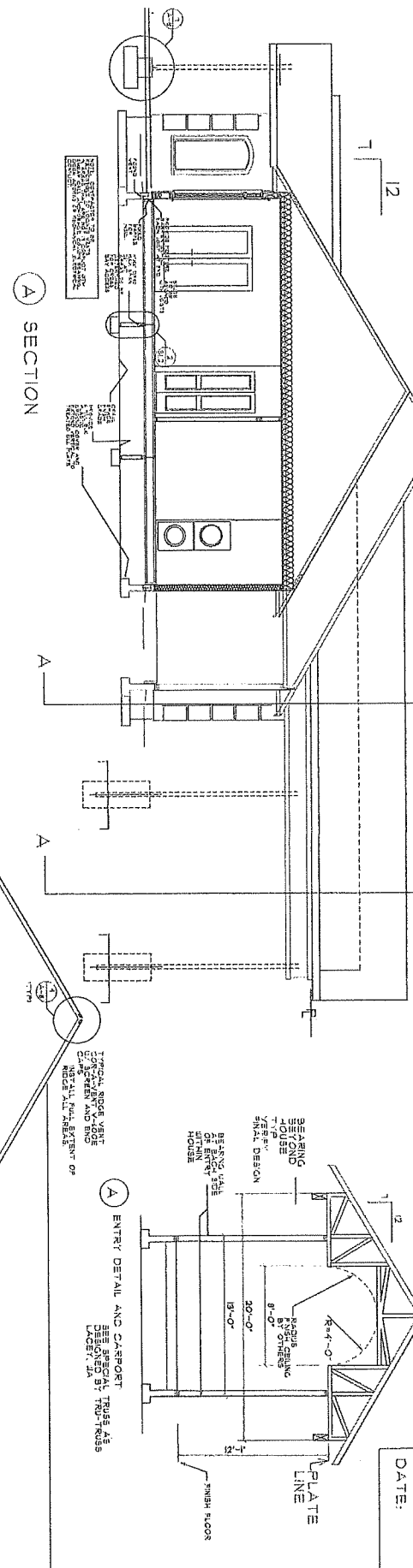
A-4

FOX RESIDENCE
214 ALDERWOOD DR.
CHEHALIS, WA.

DAVID L. KEEN ARCHITECT
PACIFIC DESIGN ARCHITECTS PLLC
PO BOX 107 CENTRALIA, WA
(360)-734-8415
ARCHT5T@YAHOO.COM

PROJECT: 0662218
DATE: 6/18
REVISED:

PERMIT SET:
DATE:
120



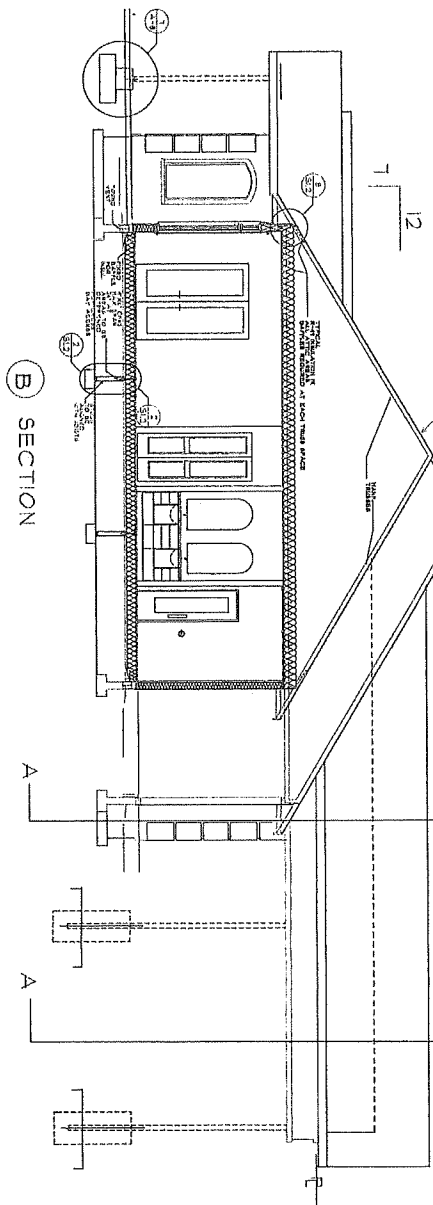
ROOF Diaphragm
 1/2" GYPSUM BOARD
 2x6 STUDS @ 16" O.C.
 1" FASCEL EDGES
 AND 5/8" x 2" O.C. FIELD

1/2" GYPSUM BOARD
 2x6 STUDS @ 16" O.C.
 1" FASCEL EDGES
 AT IR-SUPPORTED
 EDGES

SCREENED CONTINUOUS ROOF
 TYPE DETAIL AT EAVE OVER
 REAR PORCH. SEE PLAN FOR
 ANCHORAGE-4'-VERT VAPOR

2x6 STUDS @ 16" O.C.
 1" FASCEL EDGES
 AT IR-SUPPORTED
 EDGES

SECTION C



SECTION B

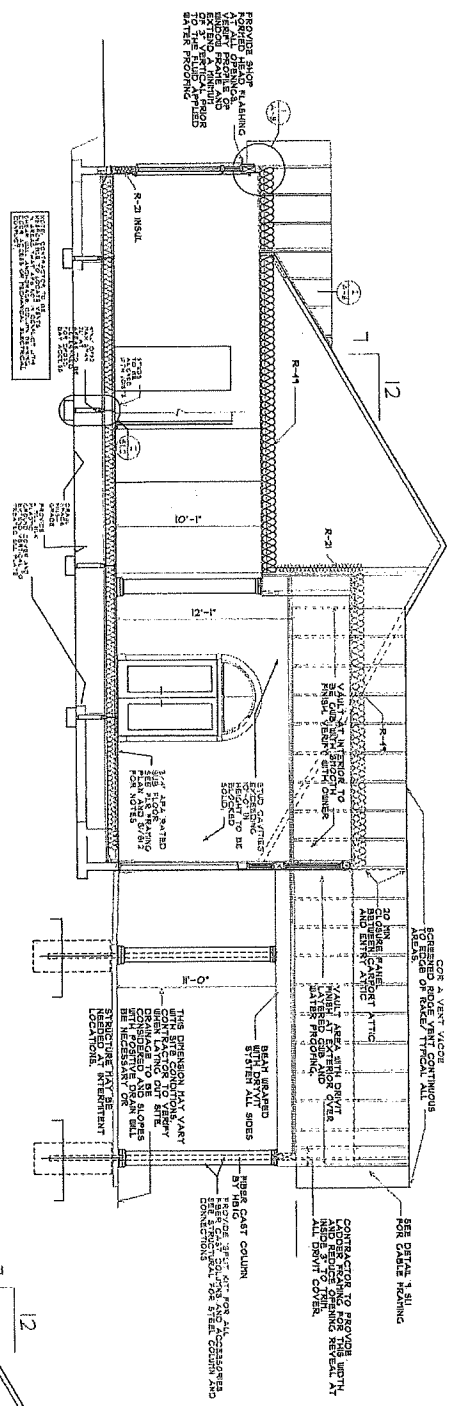
NOTE:
 CONTRACTOR TO REVIEW AND PROVIDE
 ALL NECESSARY PERMITS AND
 ALL NECESSARY INSULATION AND
 VAPOR BARRIERS OF THE
 STRUCTURAL DRAWINGS, 3 AND 5/2 AND
 3/2 AND 5/2. ALL NECESSARY SHEAR
 WALL REQUIREMENTS AS INDICATED ON SHEET
 A-1/A-2 AND A-1

DATE: _____
 ENTRY DETAIL AND CARPORT TRUSS AS
 DESIGNED BY TRU-TRIUS
 LLC. 2A

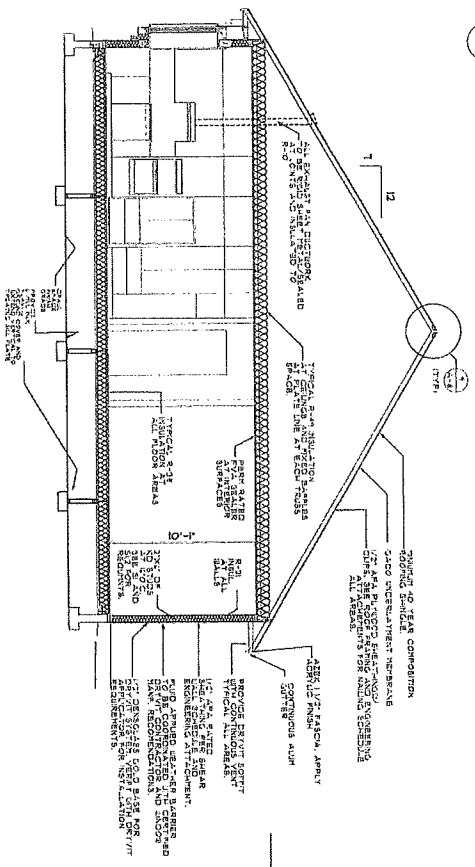
A-5	FOX RESIDENCE 217 ALDERWOOD DR. CHEHALIS, WA.	DAVID L. KEEN ARCHITECT PACIFIC DESIGN ARCHITECTS PLLC PO BOX 107 CENTRALIA, WA (360)-734-8415 ARCHT57@YAHOO.COM	PROJECT: 0442218 DATE: 4/18 REVISED:
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121

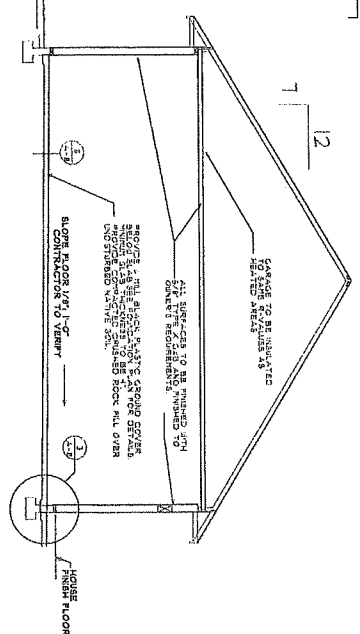
PERMIT SET:
DATE:



D SECTION



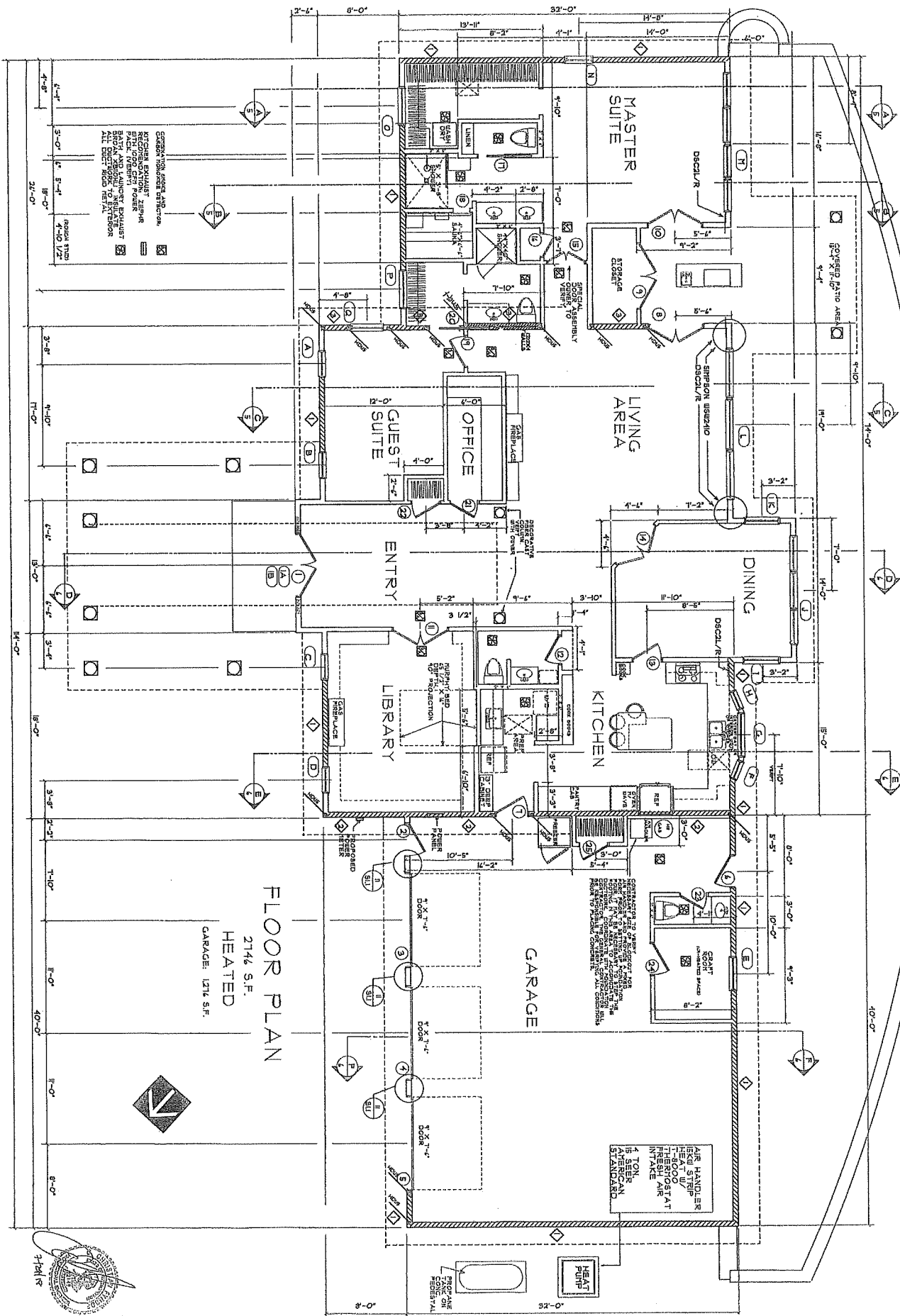
E SECTION



F SECTION

A-6	<p>FOX RESIDENCE 211 ALDERWOOD DR. CHEHALIS, WA.</p>	<p>DAVID L. KEEN ARCHITECT PACIFIC DESIGN ARCHITECTS PLLC PO 101 CENTRALIA, WA (360)-134-8615 ARCHT57@YAHOO.COM</p>	<p>PROJECT: O62218 DATE: 6/18 REVISED:</p>
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122



FLOOR PLAN
 2744 S.F.
 HEATED
 GARAGE: 1271 S.F.



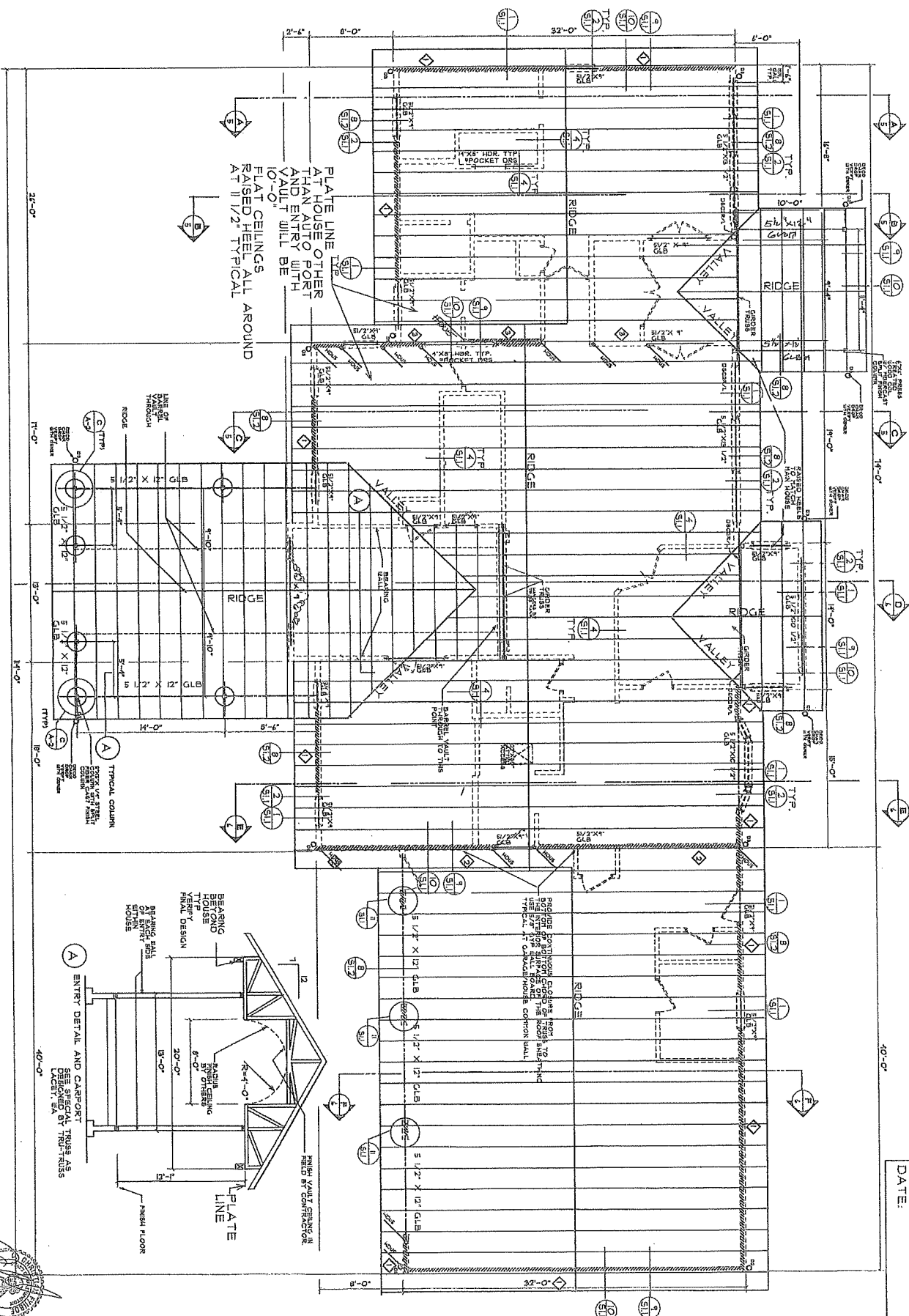
FOX RESIDENCE
 217 ALDERWOOD DR.
 CHEHALIS, WA.

DAVID L. KEEN ARCHITECT
 PACIFIC DESIGN ARCHITECTS PLLC
 PO 107 CENTRALIA, WA
 (360)-736-8615
 ARCHT51@YAHOO.COM

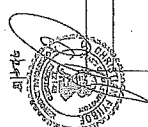
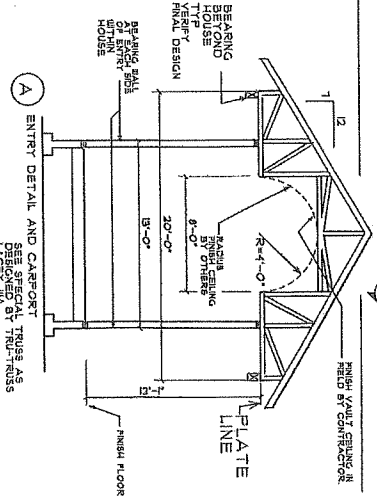
PROJECT: 0662218
 DATE: 6/18
 REVISED:



123



ROOF FRAMING PLAN



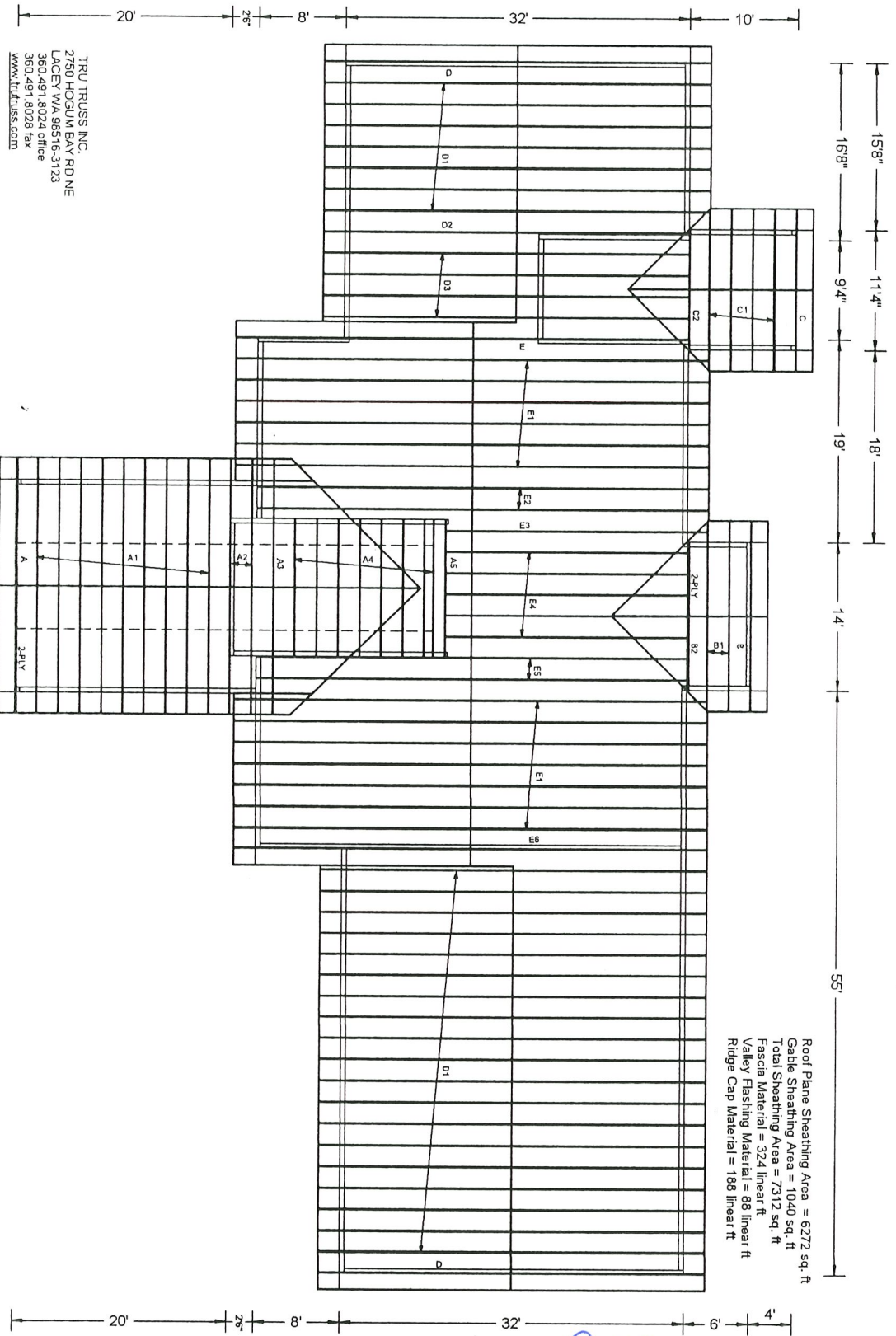
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FOX RESIDENCE
217 ALDERWOOD DR.
CHEHALIS, WA.

DAVID L. KEEN ARCHITECT
PACIFIC DESIGN ARCHITECTS PLLC
PO BOX 136-8415
360-136-8415
ARCHT51@YAHOO.COM

PROJECT: 0662218
DATE: 6/18
REVISED:

DATE: _____
SCALE: _____



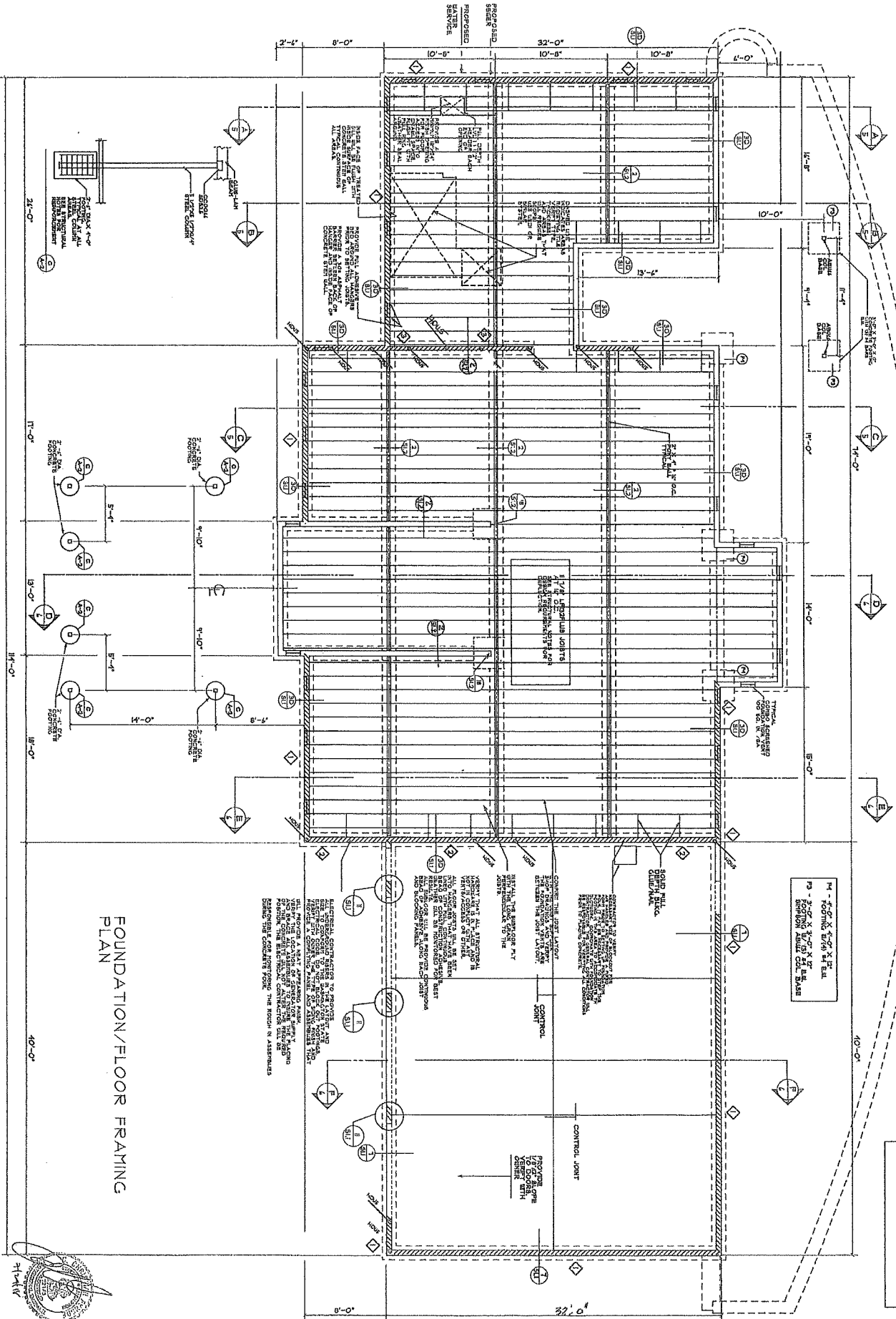
TRU TRUSS INC.
 2750 HOQUUM BAY RD NE
 LACEY WA 98516-3123
 360.491.8024 office
 360.491.8028 fax
 www.trustruss.com

Roof Plane Sheathing Area = 6272 sq. ft
 Gable Sheathing Area = 1040 sq. ft
 Total Sheathing Area = 7312 sq. ft
 Fascia Material = 324 linear ft
 Valley Flashing Material = 86 linear ft
 Ridge Cap Material = 186 linear ft

AUG 21 2018

	... DAVE KEEN -- FOX JOB ... 217 ALDERWOOD DR	JOB NO: KEE0801J	PAGE NO: 1 OF 1
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FOUNDATION/FLOOR FRAMING
PLAN

PERMIT SET:
DATE:

A-2

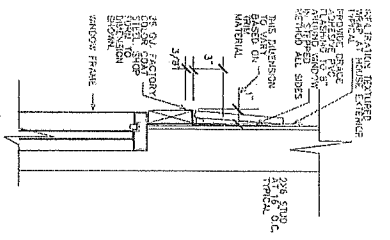
FOX RESIDENCE
217 ALDERWOOD DR.
CHEHALIS, WA.

DAVID L. KEEN ARCHITECT
PACIFIC DESIGN ARCHITECTS PLLC
PO 101 CENTRALIA, WA
(360)-136-8815
ARCHT51@YAHOO.COM

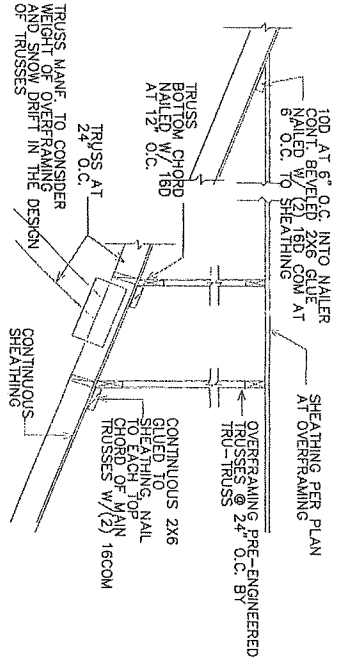
PROJECT: 0662218
DATE: 6/18
REVISED:



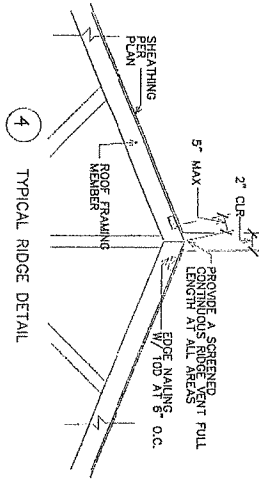
126



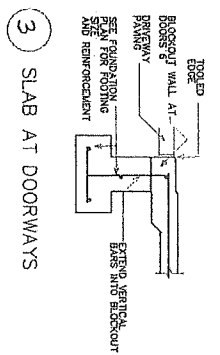
1 TYP. WINDOW / DOOR HEAD
 (REQUIRED AT AREAS TO RECEIVE WOOD OR COMPOSITE SIDING ONLY)



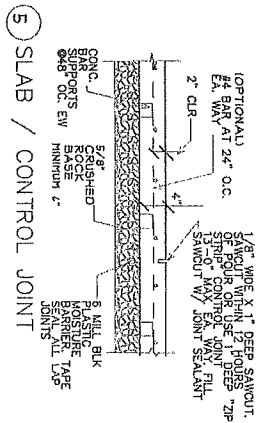
2 OVERFRAMING AT ROOF



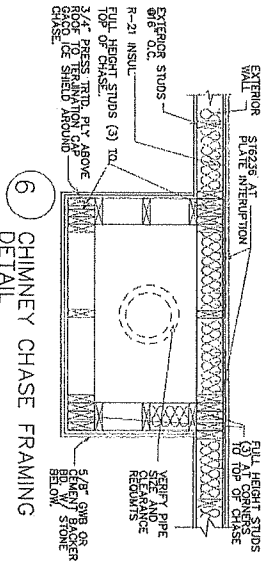
4 TYPICAL RIDGE DETAIL



3 SLAB AT DOORWAYS

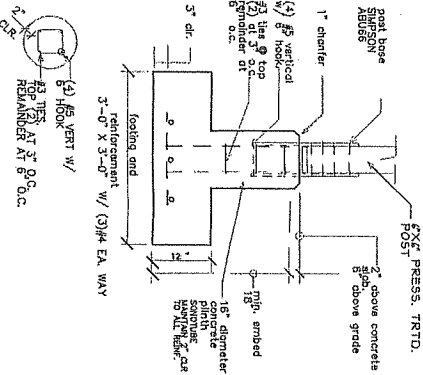


5 SLAB / CONTROL JOINT

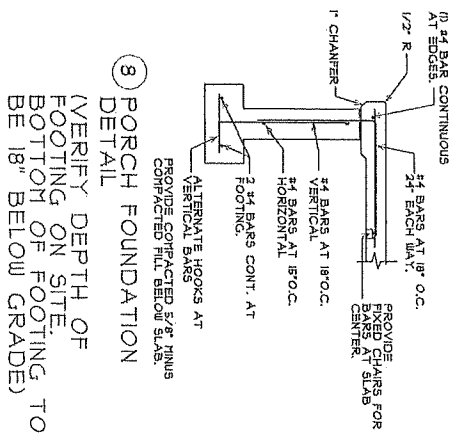


6 CHIMNEY CHASE FRAMING DETAIL

VERIFY THIS DETAIL WITH OWNER AND MANUFACTURER OF CHIMNEY AND REPLACE UNIT. INSTALLATION TO MEET IRC2015 AND LOCAL CODES. PROVIDE BUILDING DEPARTMENT WITH FIREPLACE DATA, CHIMNEY DATA PRIOR TO ORDERING AND FRAMING.



7 CONCRETE PIER AT WEST PATIO



8 PORCH FOUNDATION DETAIL
 (VERIFY DEPTH OF FOOTING ON SITE. BOTTOM OF FOOTING TO BE 18\"/>



DRAWN: DLD
 DATE: 1/25/2018
 REVISIONS:

DAVID L. KEEN
 ARCHITECT
 P.O. 107 CENTRALIA, WA 98531
 (360)-736-8415
 EMAIL: ARCHT577@YAHOO.COM

FOX RESIDENCE
 217 ALDERWOOD DR
 CHEHALIS, WA 98532

A-8

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No.	Date	Rev.

12181 'C' STREET SOUTH • TACOMA, WA 98444 • (253) 537-6120 • FAX 531-1285

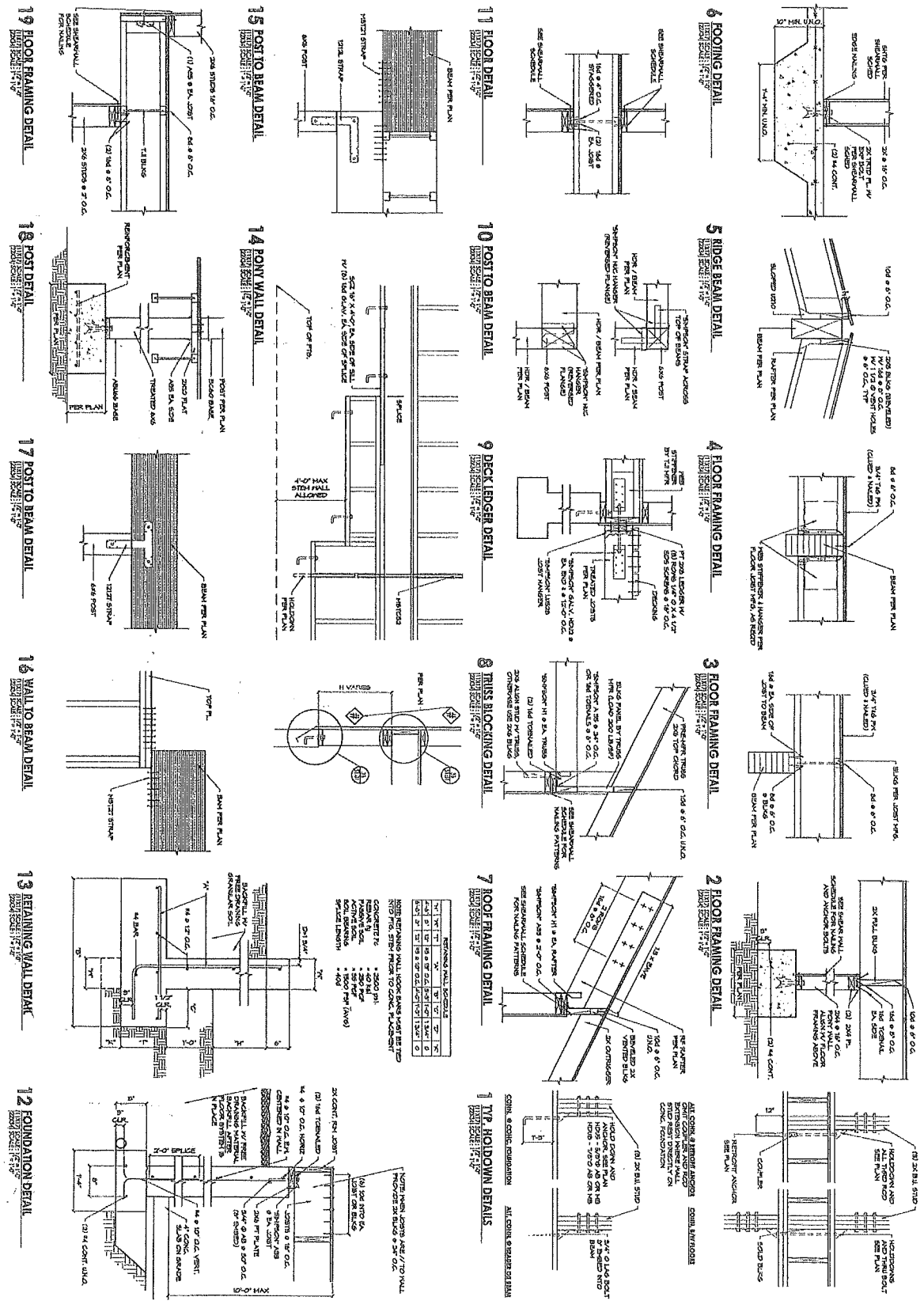
crystal funboe
CONSULTING ENGINEER



Title: _____
 Owner: **FAN RESIDENCE** JOB #: _____
 Site Address: **217 ALDERWOOD**

STRUCTURAL DETAILS

Project: _____
 Date: _____
 Drawn: _____
 Checked: _____
 Title Block: **\$1.2**



CONCRETE

Minimum 4000 psi concrete shall be used for all structural members. All concrete shall be placed in accordance with the provisions of ACI 318M and shall be tested in accordance with ACI 318M. The concrete shall be placed in accordance with the provisions of ACI 318M. The concrete shall be placed in accordance with the provisions of ACI 318M.

REINFORCEMENT

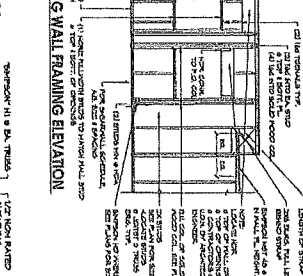
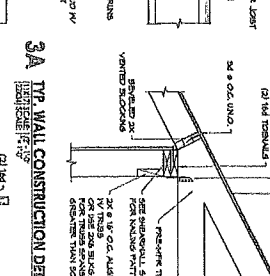
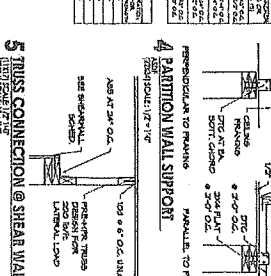
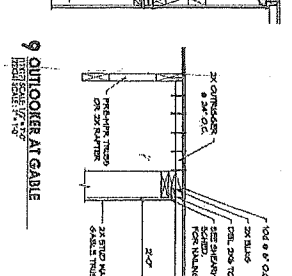
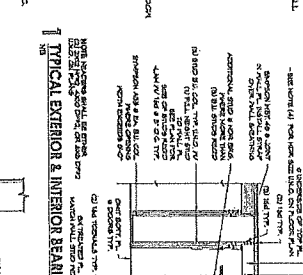
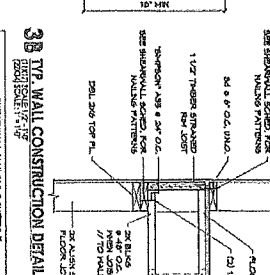
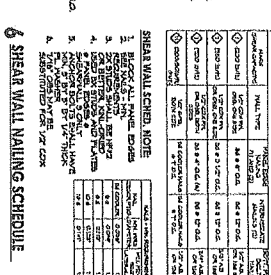
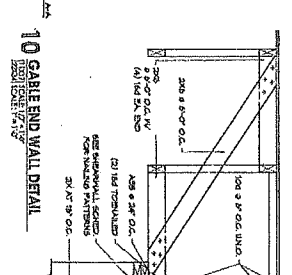
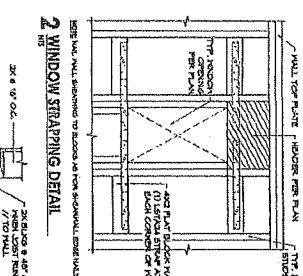
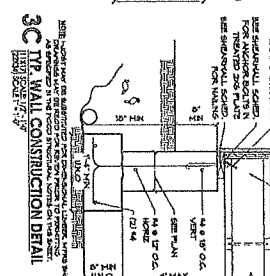
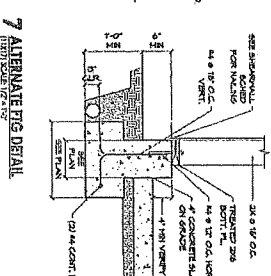
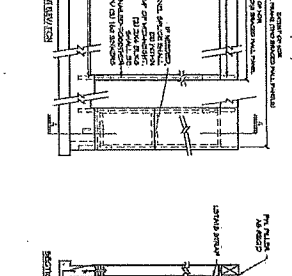
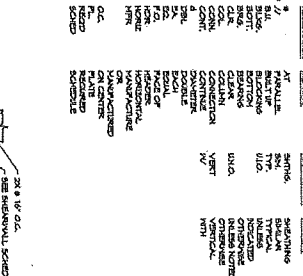
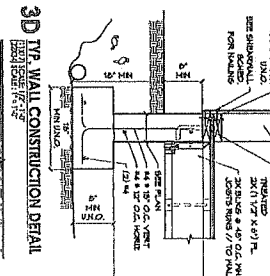
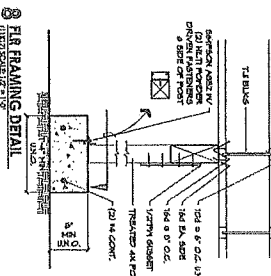
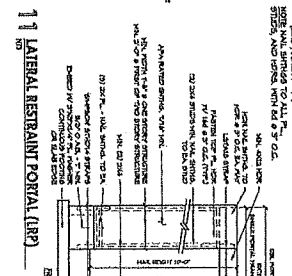
Reinforcement shall be placed in accordance with the provisions of ACI 318M. The reinforcement shall be placed in accordance with the provisions of ACI 318M. The reinforcement shall be placed in accordance with the provisions of ACI 318M.

FORMWORK

Formwork shall be placed in accordance with the provisions of ACI 318M. The formwork shall be placed in accordance with the provisions of ACI 318M. The formwork shall be placed in accordance with the provisions of ACI 318M.

PROTECTIVE COATING

Protective coating shall be placed in accordance with the provisions of ACI 318M. The protective coating shall be placed in accordance with the provisions of ACI 318M. The protective coating shall be placed in accordance with the provisions of ACI 318M.



Rev. _____

Code _____

By _____

No: _____

Site Address: **217 ALDERWOOD**

PROJECT: **FOX RESIDENCE JOB #:**

DATE: _____



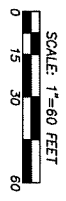
christian furbue

CONSULTING ENGINEER

12181 C STREET SOUTH • TACOMA, WA 98444 • (253) 537-0126 • FAX 531-1285

Rev.	Code	By

Exhibit Map depicting proposed site changes and lot layout of portions of the Northwest quarter and Southeast quarter of Section 33, Township 14 North, Range 2 West, W.M., in Lewis County, Washington.



● Found corner
 ● Calculated position

Method of Survey: Conventional ground traverses using a Topcon GTS-220 (0000025) total station. This survey meets or exceeds precision requirements as set forth in WAC 332-130-090.

Reference Survey:
 1) C.M. Butler, PLS 35792, AYN 3217448 (2005)
 2) C.M. Butler, PLS 35792, AYN 3192510 (2005)

- ▲ Proposed 3887.0 s.t. residence.
- ▲ Sanitary sewer manhole
 Rim elev.= 290.96
 I.E. 10" PVC NE= 278.70
 I.E. 10" PVC SW= 278.70
 Sanitary sewer manhole
- ▲ Rim elev.= 284.20
 I.E. 10" PVC NE= 275.42
 I.E. 10" PVC SW= 275.49
 I.E. 6" PVC N = 275.47
- ▲ 30.00 foot wide utility easement, centers TPN 01749000000, (Wing 15.00 feet each side of centerline).
- ▲ 20.00 foot wide utility easement, centers TPN 01749000000, (Wing 10.00 feet each side of centerline).

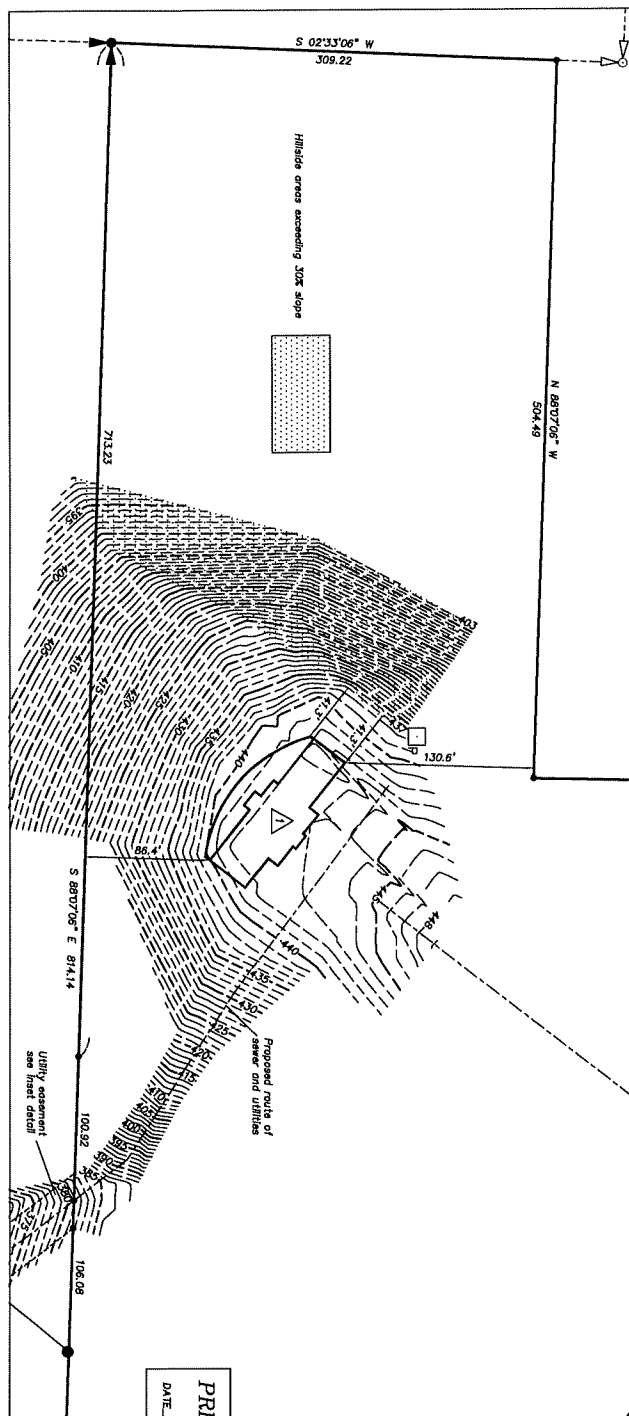
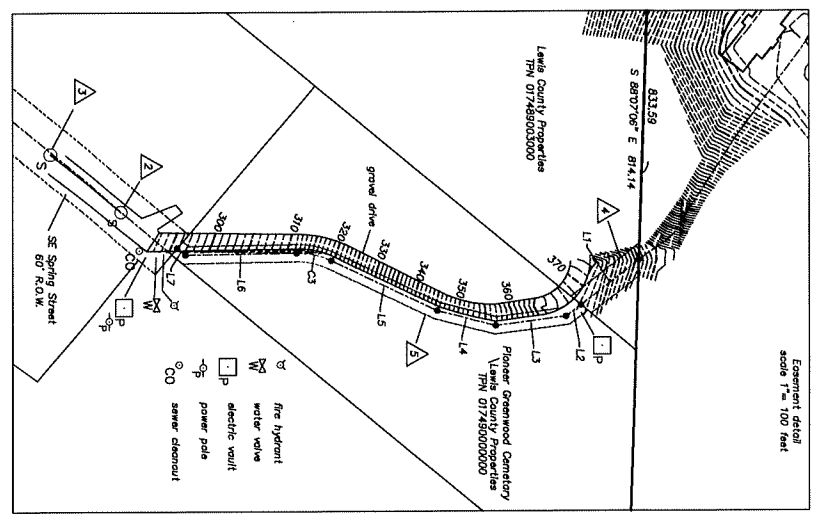
LINE	BEARING	DISTANCE
L1	S 37°39'16" E	65.53
L2	N 37°39'16" W	21.40
L3	S 07°21'47" E	81.44
L4	S 75°41'58" W	136.88
L5	S 00°48'43" E	126.59
L6	S 39°53'10" W	12.37

CHORD	RADIUS	ARC LENGTH	DELTA ANGLE
C1	48.00	72.66	104°04'38"
C2	189.00	249.67	75°41'20"
C3	90.13	41.70	26°30'21"

PRELIMINARY DRAWING
 DATE _____

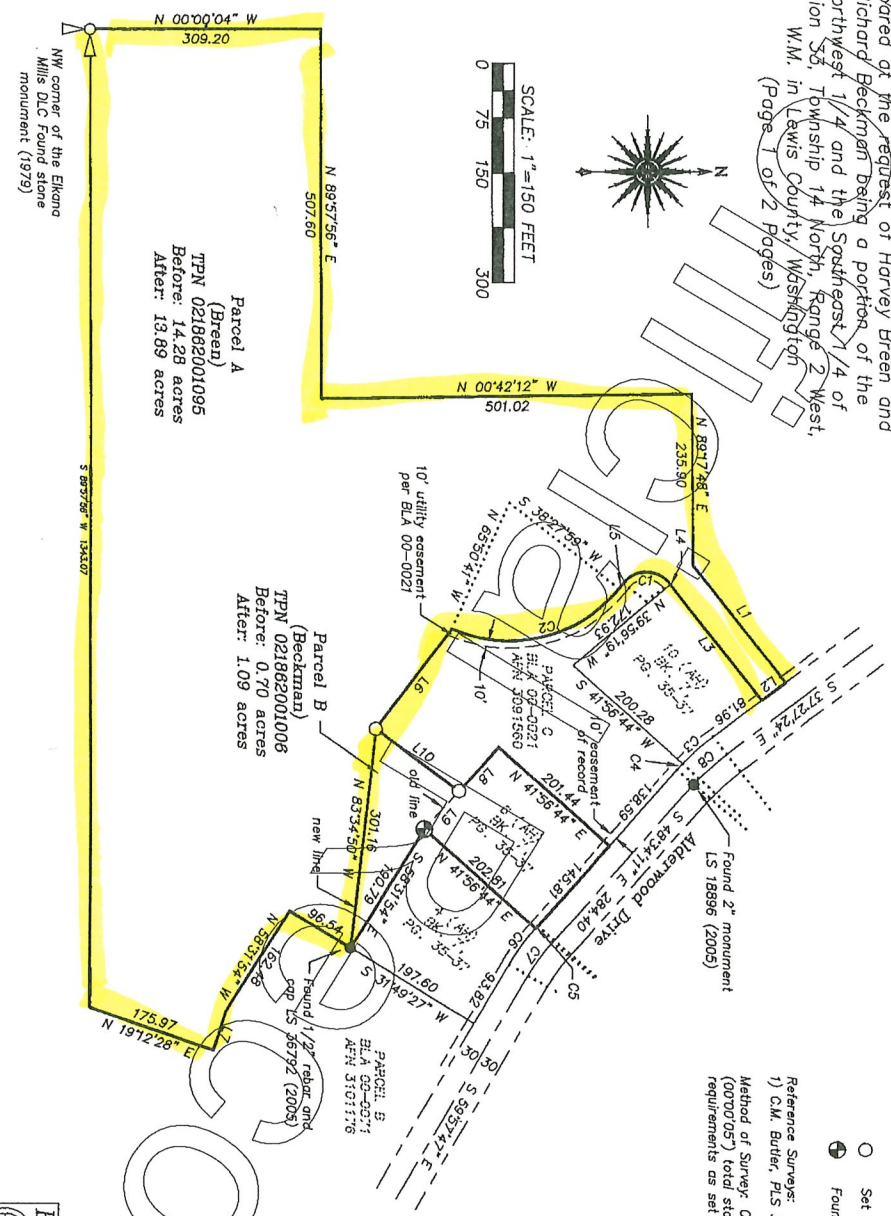
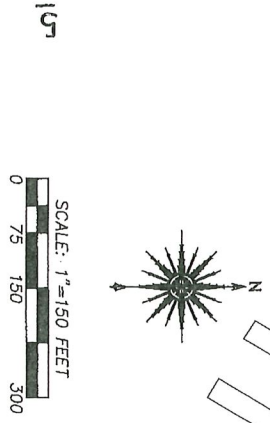


BUTLER SURVEYING, INC.
 476 NW CLEVELAND AVENUE
 SUITE 100
 SEASIDE, WA 98138
 360/745-5805 FAX 360/745-5819



City of Chehalis Boundary Line Adjustment No. _____

A Boundary Line Adjustment Map prepared at the request of Harvey Breen and Richard Beckman being a portion of the Northwest 1/4 and the Southeast 1/4 of Section 35, Township 14 North, Range 2 West, W.M. in Lewis County, Washington (Page 1 of 2 Pages)



Basis of Bearings: Record of Survey as recorded under Auditor's File Number 3217449, Records of Lewis County, Washington.

● Found as noted
○ Set 1/2" rebar and cap LS 36792
⊕ Found existing plot monument

Reference Surveys:
1) C.M. Butler, PLS 36792, under AFN 3217449 (2005)

Method of Survey: Closed loop field traverse using a Sokkia SET3E (0070057) total station. This survey meets or exceeds precision requirements as set forth in WAC 332-130-090.

CURVE TABLE

NO.	DELTA	RADIUS	LENGTH
C1	104.04.38°	39.9999	72.6595
C2	75.41.20°	188.9999	249.6726
C3	9.10.45°	338.3727	54.2102
C4	1.56.02°	330.7381	4.1915
C5	0.43.34°	330.7381	61.5762
C6	10.40.02°	300.7380	59.8025
C7	11.23.36°	308.3727	59.8118
C8	11.06.47°		

LINE TABLE

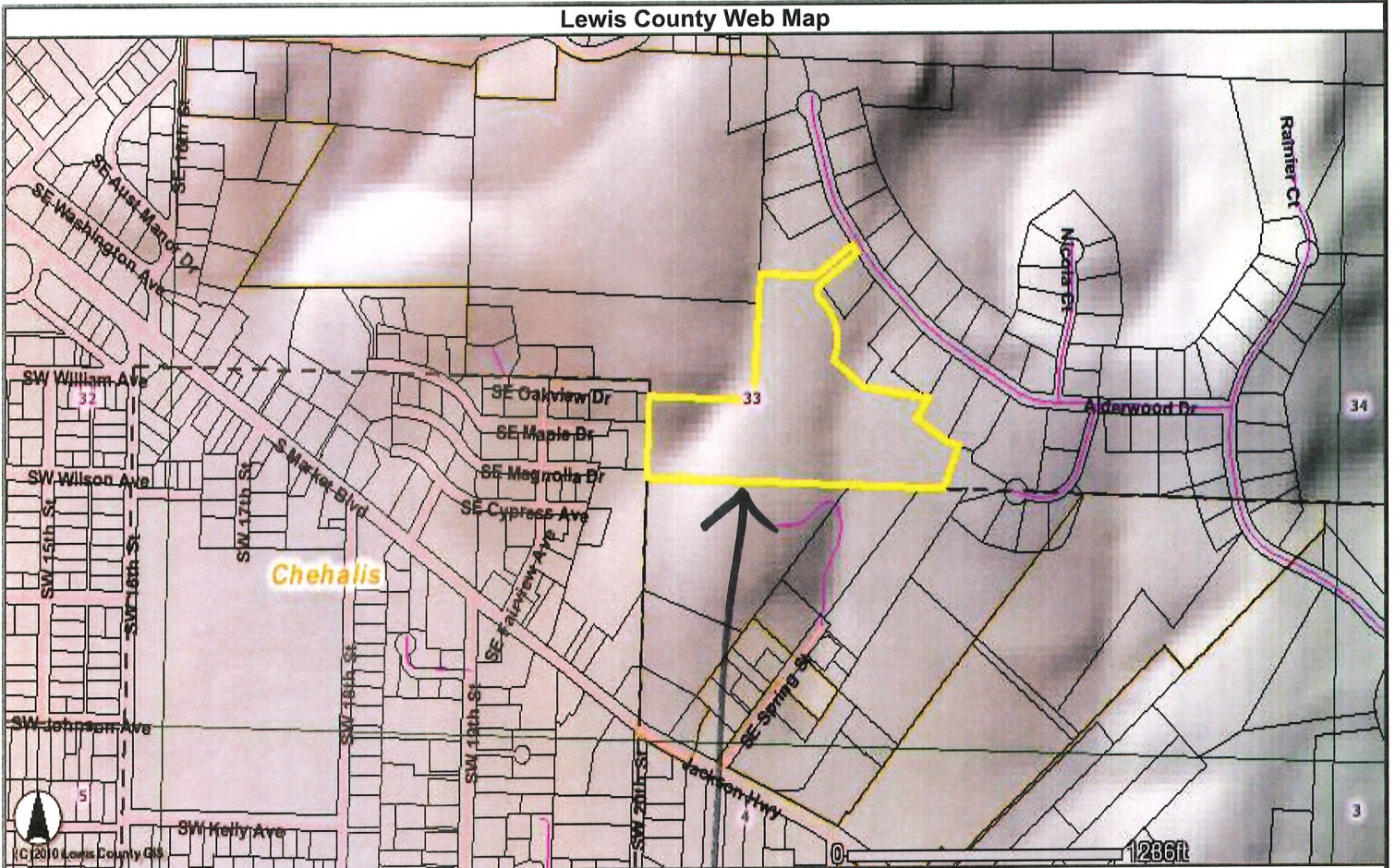
NO.	BEARING	DISTANCE
L1	N 52°32'37" E	201.75
L2	S 37°27'24" E	40.00
L3	N 52°32'37" E	200.02
L4	S 57°31'45" W	1.98
L5	S 57°31'45" W	0.79
L6	N 53°02'09" W	171.76
L7	S 73°10'16" E	50.25
L8	S 48°03'15" E	69.75
L9	S 48°03'15" E	69.75
L10	S 36°57'01" W	140.84



BUTLER SURVEYING INC.
475 NW CHEHALIS AVENUE
P.O. BOX 149, CHEHALIS, WA 98532
360/746-8800 FAX 360/746-8819

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Lewis County Web Map



Site : 217 Alderwood

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Permit Application

Submit this form and any required attachments to:

City of Chehalis
Community Development Department
1321 S. MARKET BLVD.
CHEHALIS WA 98532
(360) 345-2229

APPLICANT FILL OUT AND SIGN UPPER SECTION:

JOB ADDRESS: Port of Chehalis 321 MAURIN Rd.

APPLICANT:

NAME: Esco Pacific Signs
ADDRESS: 627 NW Middle St.
CITY/ST/ZIP: Chehalis WA, 98532
PHONE#: 360-748-6461
EMAIL: Signs@esco-pacific.com

PROPERTY OWNER (Same as Applicant? Yes: No:)

NAME: Port of Chehalis
ADDRESS: 321 MAURIN Rd.
CITY/ST/ZIP: Chehalis WA, 98532
PHONE#: 360-520-6694
EMAIL: mrouse@portofchehalis.com

CONTACT PERSON (Same as Applicant? Yes: No:)

COMPANY NAME: Esco Pacific Signs
NAME: Duane E Taylor
ADDRESS: 627 NW Middle St.
CITY/STATE/ZIP: Chehalis WA, 98532
PHONE #: 360-269-3021
EMAIL: Duane@esco-pacific.com

CONTRACTOR (Same as Property Owner? Yes: No:)

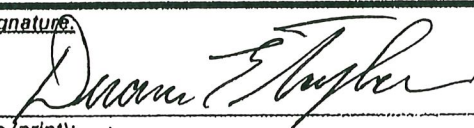
COMPANY: Esco Pacific Signs
CONTRACTOR REGISTRATION #: Esco pps 873 KU
ADDRESS: 627 NW Middle St.
CITY/STATE/ZIP: Chehalis WA 98532
PHONE #: 360-748-6461
EMAIL: Signs@esco-pacific.com

DETAILED PROJECT DESCRIPTION:


① Check footing for engineering to change sign (OK)
Manufacture new non lighted Tenant Panel Sign
Install

PROJECT VALUE: \$15,000.00

Verbal comments made during discovery are not binding. Only the plan(s) submitted will be reviewed for compliance with applicable codes. By signing below, I grant permission for City of Chehalis employees to enter and remain on the property for the purpose of review and approval of this proposal and to conduct inspections related to this proposal.

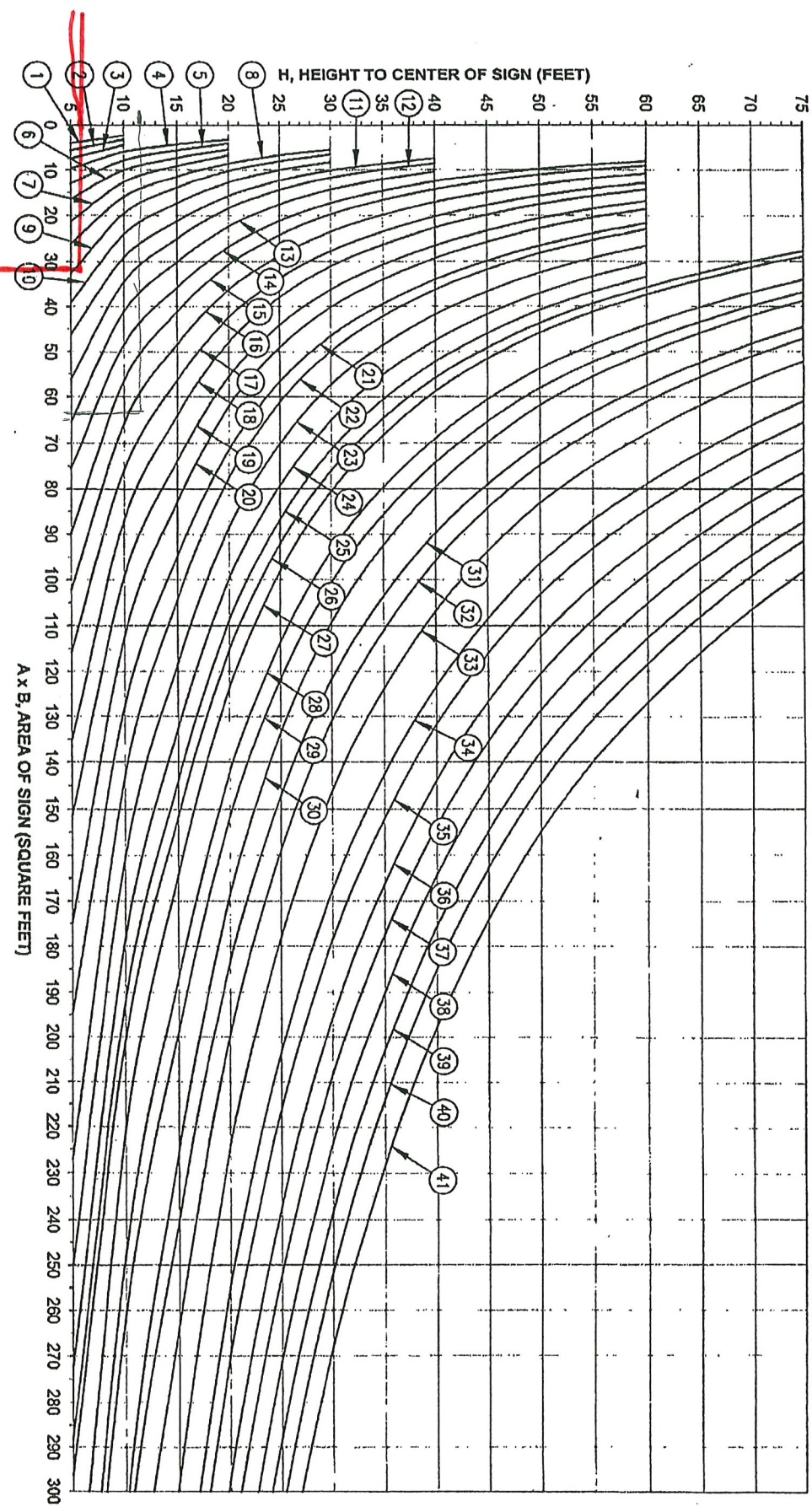
<u>Signature:</u> 	<u>Date:</u> <u>8-21-2018</u>
<u>Name (print):</u> <u>Duane E Taylor</u>	<u>Telephone #:</u> <u>360-748-6461</u>

OFFICE USE ONLY:

Date Received: AUG 21 2018 By:  Date Reviewed: _____ By: _____
Parcel #: 017744002015 Zoning: IL Flood Zone: NO
Permit #: UGA-ST-18-001



SPREAD FOOTING CHART REQUIRED FOOTING SIZE FOR AREA AND HEIGHT OF SIGN



NWSC-OREGON

SIGN STANDARDS FOR 2014 EDITION OF THE OREGON STRUCTURAL SPECIALTY CODE

120 MPH WINDS APPLIES IN KLAMATH, JACKSON, JOSEPHINE, DOUGLAS, COOS, LANE, LINN, BENTON, MARION, POLK, YAMHILL, CLACKAMAS, WASHINGTON, COLUMBIA, AND MULTNOMAH COUNTIES.

APPLIES TO GORGE REGIONS OF HOODRIVER, WASCO, SHERMAN, AND GILLIAM COUNTIES.

PARTS OF UMATILLA, AND NON-COASTAL REGIONS OF CURRY COUNTY.

SHEET	NWSC-OR 04-22
DATE	4/14/2016
REVISIONS	

SCHNEIDER

STRUCTURAL ENGINEERS

A COMMITMENT TO STRUCTURAL INNOVATION

1000 N. UNIVERSITY AVENUE, SUITE 1000, ASTORIA, OREGON 97103

PHONE: 503.325.1111 FAX: 503.325.1112

WWW.SCHNEIDERENGINEERS.COM

REGISTERED PROFESSIONAL ENGINEER

OREGON

NOVEMBER 15, 2002

RONALD K. SCHNEIDER

REGISTRATION DATE: 03/02/2016

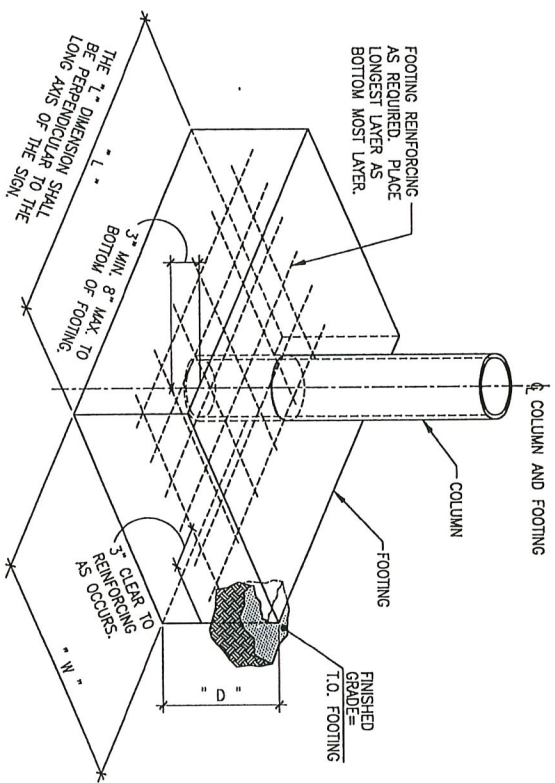
4/14/2016

136

EXISTING FOOTING

- SPREAD FOOTINGS (DIMENSIONS ARE IN FEET)
- 1 2Wx2Lx1.5D
 - 2 2Wx2Lx2D
 - 3 2Wx2Lx2.5D
 - 4 2Wx2Lx3D
 - 5 2.5Wx2.5Lx2D
 - 6 2.5Wx2.5Lx2.5D
 - 7 2.5Wx2.5Lx3D
 - 8 2.5Wx2.5Lx3.5D
 - 9 3Wx3Lx3.5D
 - 10 3Wx3Lx4D
 - 11 3.5Wx3.5Lx3.5D
 - 12 3.5Wx3.5Lx4D
 - 13 4Wx4Lx3.5D
 - 14 4Wx4Lx4D
 - 15 4Wx4Lx4.5D
 - 16 4Wx4Lx5D
 - 17 4.5Wx4.5Lx4.5D
 - 18 4.5Wx4.5Lx5D
 - 19 5Wx5Lx4.5D
 - 20 5Wx5Lx5D
 - 21 5Wx5Lx5.5D
 - 22 5.5Wx5.5Lx5D
 - 23 5.5Wx5.5Lx5.5D
 - 24 5.5Wx5.5Lx6D
 - 25 6Wx6Lx5D
 - 26 6Wx6Lx5.5D
 - 27 6Wx6Lx6D
 - 28 6Wx6Lx6.5D
 - 29 7Wx7Lx6D
 - 30 7Wx7Lx6.5D
 - 31 7Wx7Lx7D
 - 32 7Wx7Lx7.5D
 - 33 7Wx7Lx8D
 - 34 8Wx8Lx7.5D
 - 35 8Wx8Lx8D
 - 36 8Wx8Lx8.5D
 - 37 9Wx9Lx8D
 - 38 9Wx9Lx8.5D
 - 39 9Wx9Lx9D
 - 40 9Wx9Lx9.5D
 - 41 9Wx9Lx10D

(* INDICATES A FOOTING SIZE THAT REQUIRES REINFORCING - SEE TABLE 1, THIS SHEET, FOR REINFORCING REQUIREMENTS.)



- NOTES
1. POLES AND FOOTINGS ARE DESIGNED FOR SINGLE AND DOUBLE FACED SIGNS.
 2. ALL INTERSECTION POINTS ON THE CHARTS MUST USE THE LINE ABOVE AND TO THE RIGHT UNLESS THE POINT FALLS ON A LINE.
 3. SEE SHEET NWS-C-OR 04-0 FOR SPECIFICATIONS AND DESIGN CRITERIA.

EXAMPLE
 GIVEN: SIGN DIMENSIONS OF = 10'-0", B = 14'-6", AND H = 35'-0"
 (HEIGHT TO CENTER OF SIGN).

SPREAD FOOTING CHART: FIND A x B = 145 S.F. AND DRAW A VERTICAL LINE UP TO INTERSECT A HORIZONTAL LINE DRAWN FROM H = 35'.
 USE THE LINE ABOVE AND TO THE RIGHT OF THE INTERSECTION POINT AND PICK OUT A # (FOOTING). GO TO FOOTINGS LIST FOR # FOOTINGS AND SEE THAT THIS IS A 6-0" WIDE x 10'-0" LONG x 5'-6" DEEP FOOTING.

TABLE 1

FOOTING SIZE	REINFORCING REQUIRED
2Wx4Lx1.5D	(4) #4 IN LONG DIRECTION
2Wx4Lx2D	(8) #4 IN SHORT DIRECTION
2Wx4Lx2.5D	(5) #4 IN LONG DIRECTION
2Wx4Lx3D	(10) #4 IN SHORT DIRECTION
2Wx4Lx3.5D	(10) #5 IN LONG DIRECTION
2Wx4Lx4D	(20) #5 IN SHORT DIRECTION
2Wx4Lx4.5D	(12) #5 IN LONG DIRECTION
2Wx4Lx5D	(24) #5 IN SHORT DIRECTION
2Wx4Lx5.5D	(10) #6 IN LONG DIRECTION
2Wx4Lx6D	(20) #6 IN SHORT DIRECTION
2Wx4Lx6.5D	(11) #6 IN LONG DIRECTION
2Wx4Lx7D	(20) #6 IN SHORT DIRECTION
2Wx4Lx7.5D	(11) #7 IN LONG DIRECTION
2Wx4Lx8D	(20) #7 IN SHORT DIRECTION
2Wx4Lx8.5D	(14) #6 IN LONG DIRECTION
2Wx4Lx9D	(24) #6 IN SHORT DIRECTION
2Wx4Lx9.5D	(12) #7 IN LONG DIRECTION
2Wx4Lx10D	(20) #7 IN SHORT DIRECTION
2Wx4Lx10.5D	(17) #6 IN LONG DIRECTION
2Wx4Lx11D	(24) #6 IN SHORT DIRECTION
2Wx4Lx11.5D	(15) #7 IN LONG DIRECTION
2Wx4Lx12D	(20) #7 IN SHORT DIRECTION

- NOTES: 1. REINFORCING LAYERS SHALL BE PLACED AT OR NEAR THE MID-DEPTH OF THE FOOTING.
 2. FOOTING REINFORCING SHALL BE EQUALLY SPACED, EXCEPT THAT AT SIGN COLUMN PENETRATIONS, REINFORCING MAY BE BUNDLED ON EITHER SIDE OF COLUMN.

NWS-C-OREGON

SIGN STANDARDS FOR 2014 EDITION OF THE OREGON STRUCTURAL SPECIALTY CODE
 120 MPH WINDS APPLIES IN KLAMATH, JACKSON, JOSEPHINE, DOUGLAS, COOS, LAKE, LINN, BENTON, MARION,
 POLK, YAMHILL, CLACKAMAS, WASHINGTON, COLUMBIA, AND MULTNOMAH COUNTIES.
 APPLIES TO GORGE REGIONS OF HOODRIVER, WASCO, SHERMAN, AND GILLIAM COUNTIES.
 PARTS OF UMATILLA, AND NON-COASTAL REGIONS OF CURRY COUNTY.

SHEET	NWS-C-OR 04-21
DATE	4/14/2016
REVISIONS	

SCHNEIDER
 STRUCTURAL ENGINEERS
 1100 NE 11TH AVE, SUITE 100
 ASTORIA, OREGON 97103
 PHONE: 503.325.1100
 FAX: 503.325.1101
 WWW.SCHNEIDERENGINEERS.COM

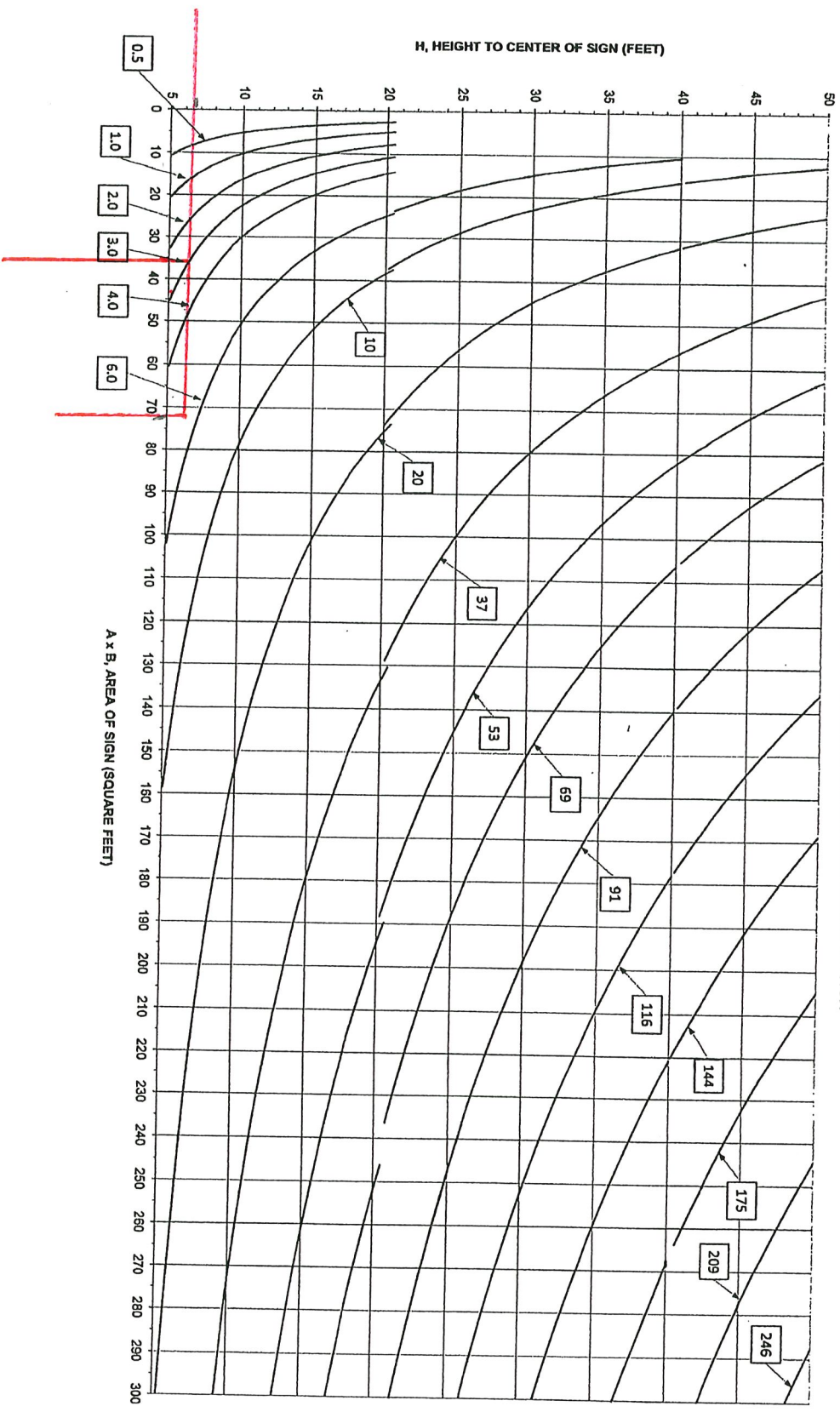
REGISTERED PROFESSIONAL ENGINEER
 OREGON
 EXPIRATION DATE: 6/30/2016
 693599FE
 SCHNEIDER

T.U = 71000 11'-0" 7'-0"
 Sub = 4 inch HSS X 5/16 X 2

321 Maurine Rd.

138

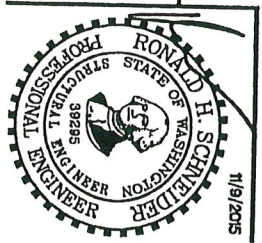
SECTION MODULUS CHART (Zx)
 REQUIRED SECTION MODULUS FOR AREA AND HEIGHT OF SIGN



NWSC-WASHINGTON
 SIGN STANDARDS FOR 2012 EDITION OF THE WASHINGTON STATE BUILDING CODE

SHEET	NWSC-WA 04-2
DATE	11/9/2015
REVISIONS	

SCHNEIDER
 STRUCTURAL ENGINEERS
 A FIRM DEDICATED TO STRUCTURAL INNOVATION
 3102 N. 14th Street | Tacoma, WA 98501 | 253.833.1111
 www.schneider-engineers.com

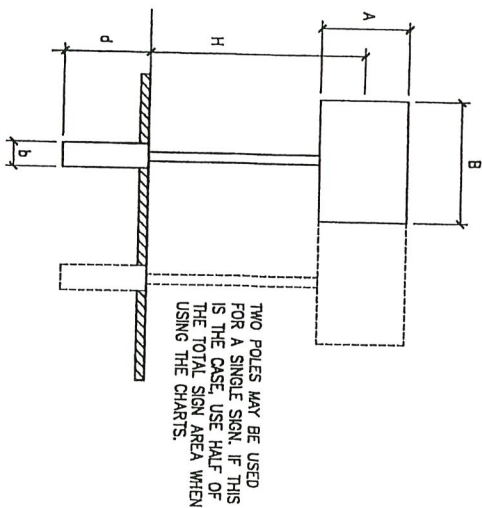


SECTION MODULUS GROUPS

THE FOLLOWING ARE THE MOST COMMONLY USED MEMBERS, GROUPED ACCORDING TO THEIR SECTION MODULUS LINE ON THE CHART.

SYMBOLS: Zx = SECTION MODULUS; HSS = STRUCTURAL TUBE; DIA. STD. = STANDARD PIPE SECTION

Zx = 0.5	2" DIA. STD.	2 1/2" DIA. STD.	3" DIA. STD.	3 1/2" DIA. STD.
	HSS 2" x 2" x 3/16"	HSS 2 1/2" x 2 1/2" x 3/16"	HSS 3" x 3" x 3/16"	HSS 3 1/2" x 3 1/2" x 3/16"
Zx = 4	4" DIA. STD.	5" DIA. STD.	6" DIA. STD.	8" DIA. STD.
	HSS 4" x 4" x 3/16"	HSS 4" x 4" x 5/16"	HSS 5" x 5" x 3/16"	HSS 6" x 6" x 1/2"
			HSS 6" x 6" x 3/16"	HSS 7" x 7" x 5/16"
Zx = 37	10" DIA. STD.	12" DIA. STD.	14" DIA. STD.	16" DIA. STD.
	HSS 8" x 8" x 3/8"	HSS 12" x 12" x 1/4"	HSS 12" x 12" x 5/16"	HSS 14" x 14" x 5/16"
	HSS 10" x 10" x 1/4"			
Zx = 116	18" DIA. STD.	20" DIA. STD.	22" DIA. STD.	24" DIA. STD.
	HSS 14" x 14" x 3/8"	HSS 14" x 14" x 1/2"	HSS 14" x 14" x 5/8"	HSS 16" x 16" x 1/2"
	HSS 16" x 16" x 5/16"	HSS 16" x 16" x 3/8"	HSS 16" x 16" x 1/2"	
Sx = 246	26" DIA. STD.	28" DIA. STD.	30" DIA. STD.	
	HSS 16" x 16" x 5/8"			



EXAMPLE

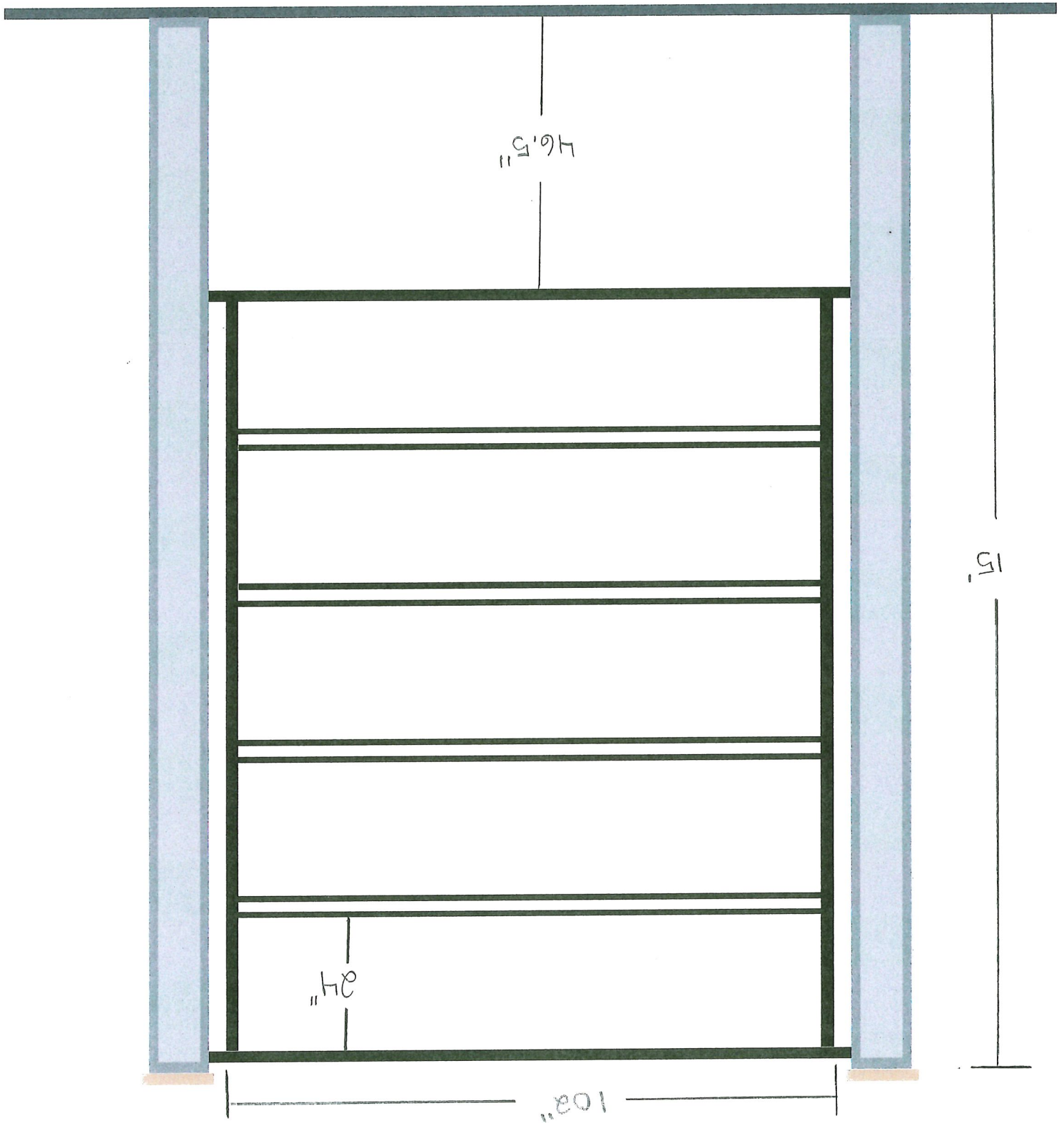
GIVEN: A = 10'-0", B = 14'-6", H = 36'-0" (HEIGHT TO CENTER OF SIGN).
 SECTION MODULUS CHART: FIND A x B = 145 S.F. AND DRAW A VERTICAL LINE UP TO INTERSECT A HORIZONTAL LINE DRAWN FROM H = 36'.
 THIS INTERSECTION POINT FALLS BELOW Zx = 91. USE THE LINE ABOVE AND TO THE RIGHT OF THE INTERSECTION POINT. THEREFORE USE Zx = 91.
 GO TO SECTION MODULUS LIST FOR Zx = 91 AND PICK A POLE SIZE OF 16" DIA. STD. PIPE OR 14" x 14" x 5/16" STRUCTURAL TUBE.

NWSC-WASHINGTON
 SIGN STANDARDS FOR 2012 EDITION OF THE WASHINGTON STATE BUILDING CODE

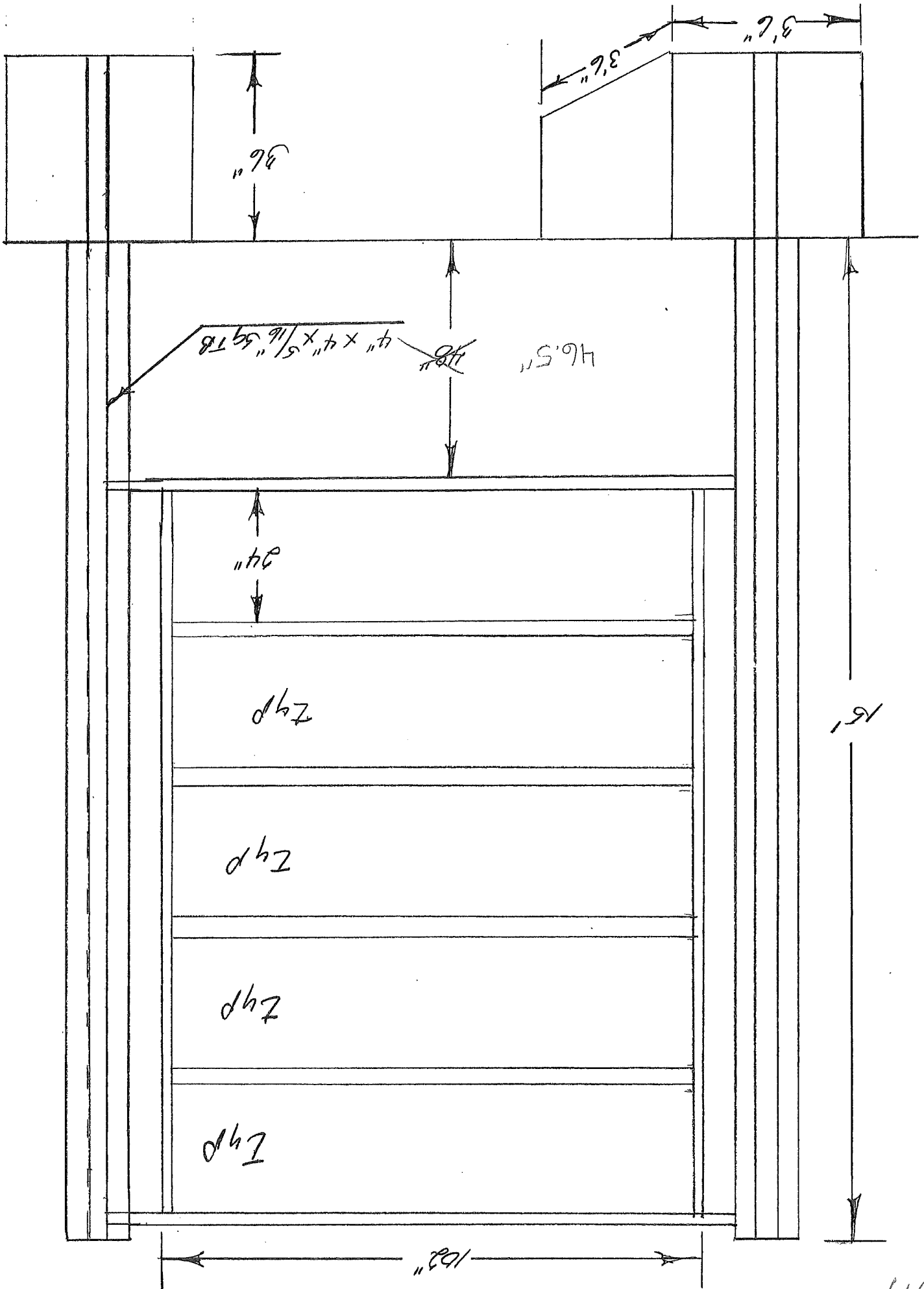
SHEET	NWSC-WA 04-3
DATE	11/9/2015
REVISIONS	

SCHNEIDER
 STRUCTURAL ENGINEERS
 1100 4th Avenue, Suite 1000, Seattle, WA 98101
 (206) 461-1000 | Fax: (206) 461-1001 | www.schneider.com



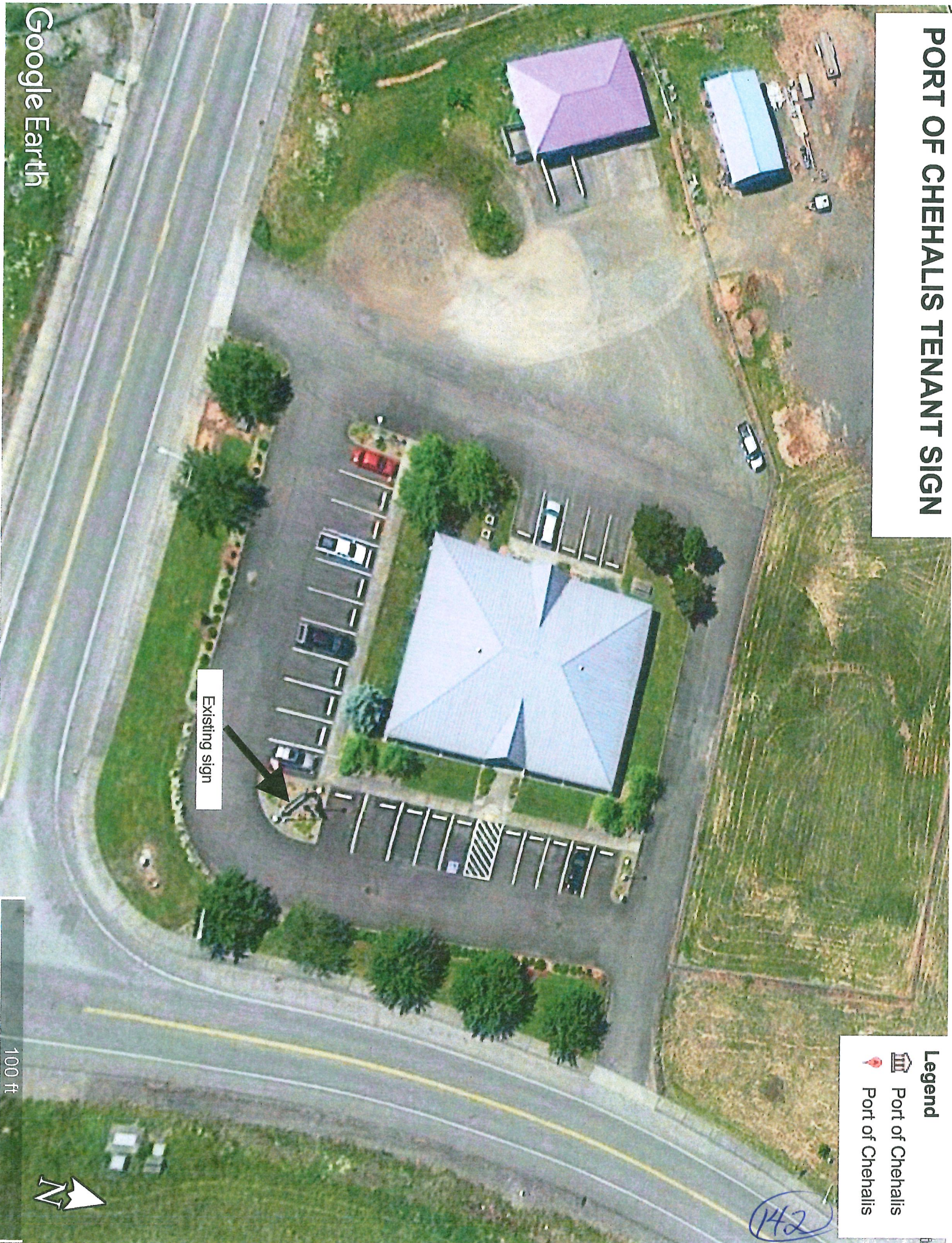


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PORT OF CHEHALIS TENANT SIGN



Existing sign

- Legend**
-  Port of Chehalis
 -  Port of Chehalis

142



Google Earth

100 ft



PORT OF CHEHALIS TENANT SIGN

Legend

-  Port of Chehalis
-  Port of Chehalis

143

Existing sign to be replaced using existing footings



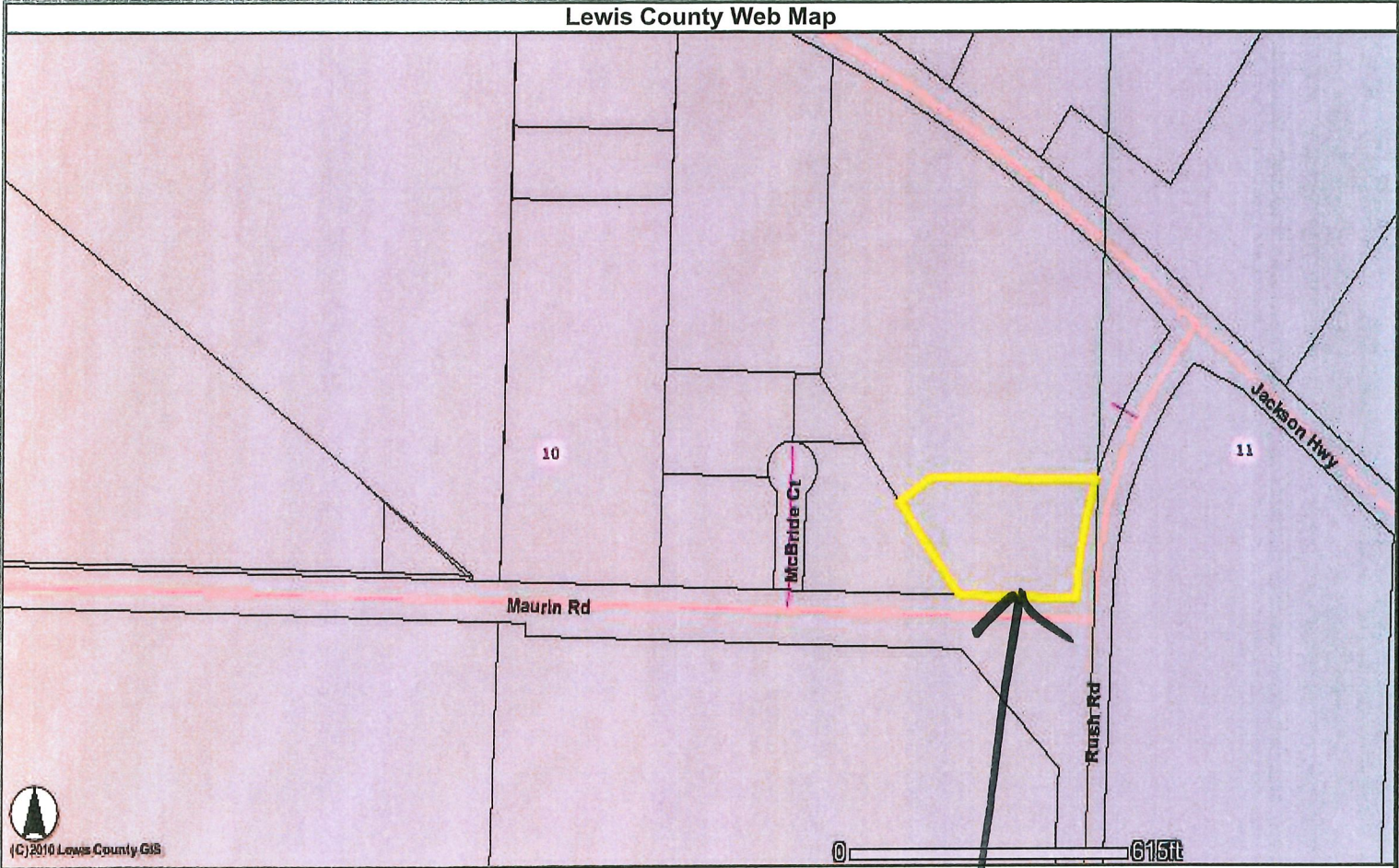
Google Earth

© 2013 Google

9.05 ft



Lewis County Web Map



SITE:
321 MAURIN RD

144

Lewis County Web Map



Sign Location
@ 321 MAURIN Rd.