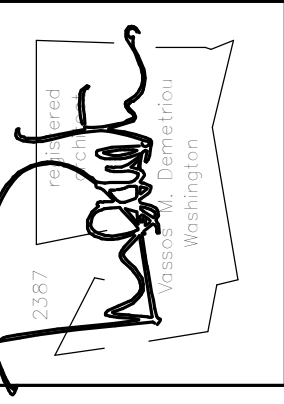


Ogden Point Residence

BUILDING PERMIT DOCUMENTS



No.	Revision Date	Description

Drawn by: JAS
 Scale: AS
 Date: 02/15/18
 Purpose: building permit

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 Kirkland, WA 98033
 206.835.8271
 DEMETRIOS ARCHITECTS PLLC
 0535 Lakewood Drive, Suite 200, Kirkland, Washington 98033 | 425.827.1700

Project:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Sheet Title:
cover sheet
 Drawing Scale: 1/4" = 1'-0"

Project:
503.01
 Sheet:
A0.1

TOPOGRAPHIC & BOUNDARY SURVEY

LEGAL DESCRIPTION

(PER QUIT CLAIM DEED AFN 9405052361)
 LOB B OF MERCER ISLAND SHORT PLAT NO. MI-76-8-027, AS RECORDED UNDER RECORDING NO. 7702170577, AND AS AMENDED BY BOUNDARY LINE REVISION PER CITY OF MERCER ISLAND FILE NO. MI-81-08-15 AS RECORDED UNDER RECORDING NO. 821169001, SAID SHORT PLAT BEING A PORTION OF BLOCK A, REPLAT OF ISLAND PARK, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 13 OF PLATS, PAGE 58, IN KING COUNTY, WASHINGTON.

BASIS OF BEARINGS

HELD BEARING N 40°36'45" W, BETWEEN EXISTING TACKS SET IN LEAD BY H.W. RUTHERFORD IN 1959, AS SHOWN HEREON AND REFERENCED IN R1

REFERENCES

1. THIS SURVEY IS A DEPENDANT RETRACEMENT OF MERCER ISLAND B.L.R. NO. MI-82-08-15, AS RECORDED UNDER K.C.R.N. 821169001. THIS SURVEY IS BASED UPON EXISTING POINTS RECOVERED, AND SHOWN THEREON.

VERTICAL DATUM

NAVD88 PER WGS SURVEY DATA WAREHOUSE POINT DESIGNATION-8037, 2" BRASS CAP IN 4" CONC. MON (DN 0.3") WEST MERCER WAY AT JOG 100' SE OF INTX LAKE PL. 950' NW IF INTX SE 40TH ST
 ELEV.=171.06'

SURVEYOR'S NOTES

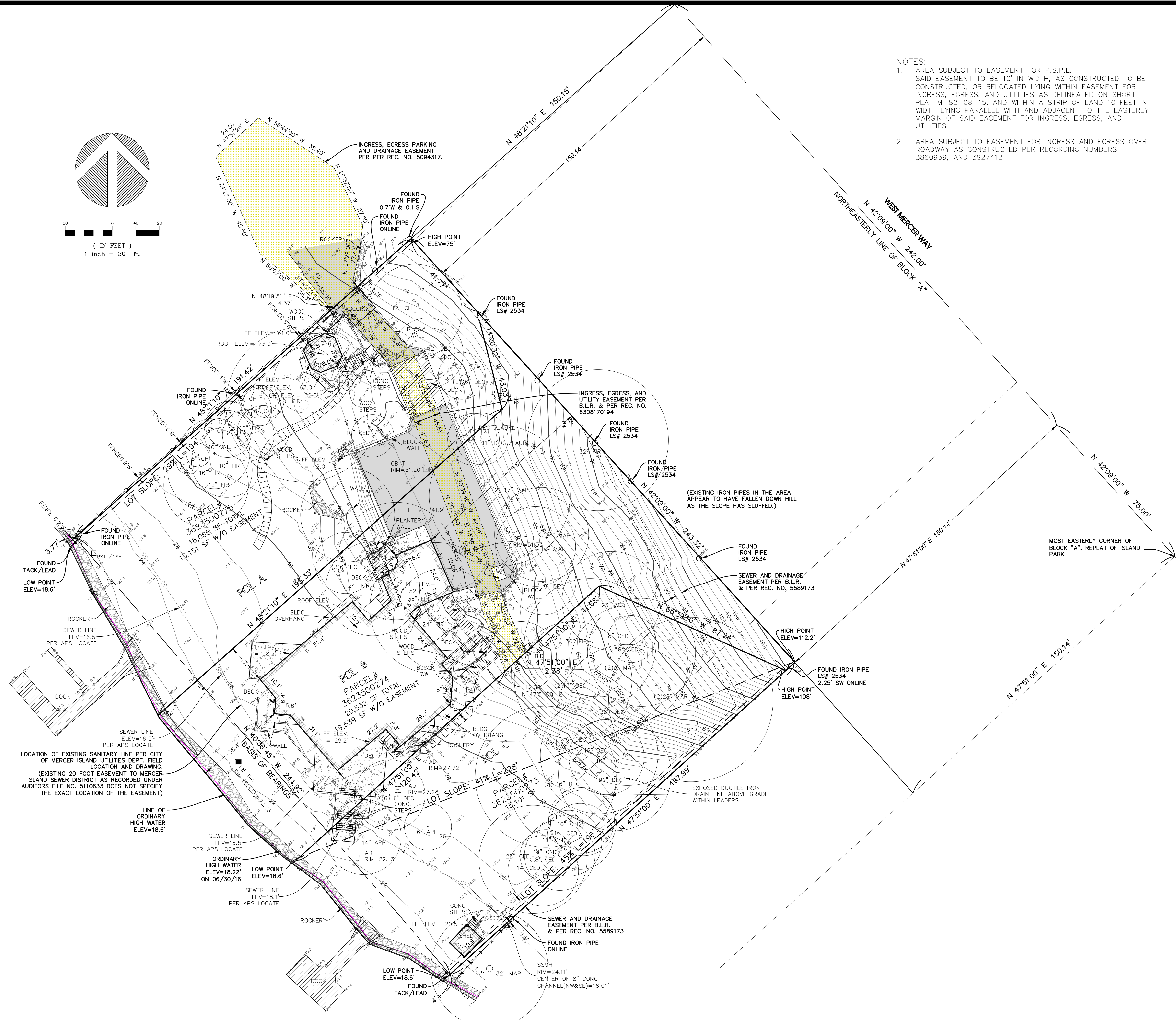
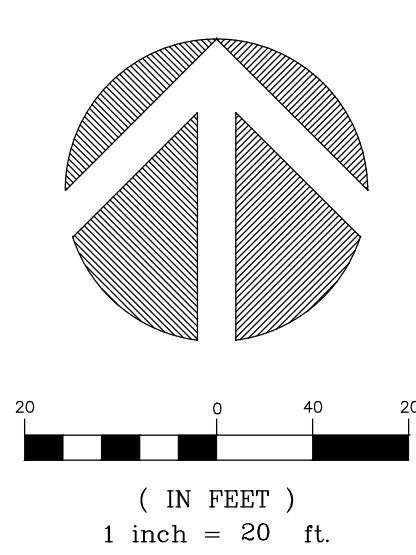
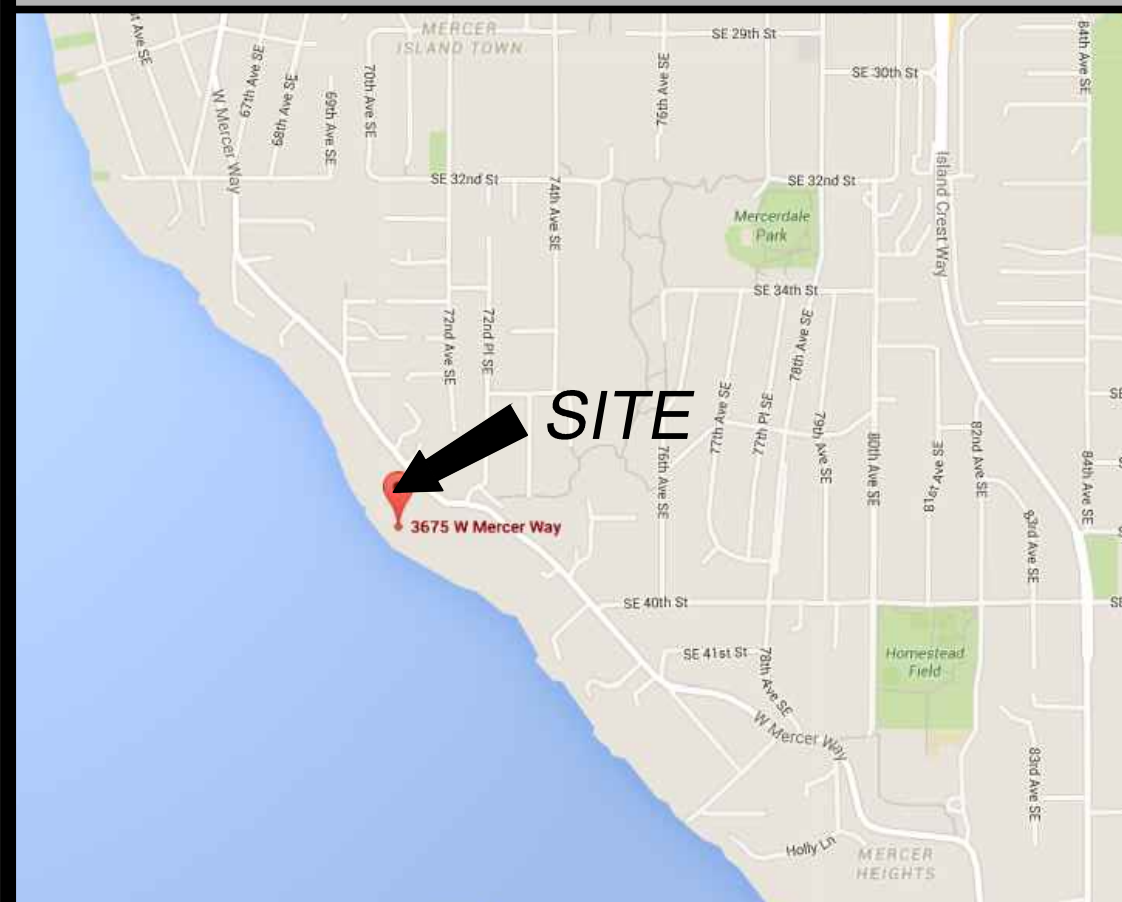
1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN JULY OF 2016. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.
2. ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.
3. BURIED UTILITIES SHOWN BASED ON RECORDS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE IN THE FIELD. GEODIMENSIONS ASSUMES NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS OR ACCEPT RESPONSIBILITY FOR UNDERGROUND LINES WHICH ARE NOT MADE PUBLIC RECORD. FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN CONTACT THE UTILITY OWNER/AGENCY. AS ALWAYS, CALL 1-800-424-5555 BEFORE CONSTRUCTION.
4. SUBJECT PROPERTY TAX PARCEL NO. 362350-0273, 362350-0274, 362350-0275.
5. TOTAL SUBJECT PROPERTY AREA PER THIS SURVEY IS 51,699± S.F. (1.19± ACRES)
6. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
7. INSTRUMENTATION FOR THIS SURVEY WAS A TRIMBLE ELECTRONIC DISTANCE MEASURING UNIT. PROCEDURES USED IN THIS SURVEY WERE DIRECT AND REVERSE ANGLES. NO CORRECTION NECESSARY. MEETS STATE STANDARDS SET BY WAC 332-130-090.

LEGEND

- ASPHALT SURFACE
- BUILDING CENTERLINE ROW
- CONCRETE SURFACE
- CONCRETE WALL
- DECK
- FENCE LINE (CHAIN LINK)
- FENCE LINE (WOOD)
- ROCKERY
- GAS METER
- TREE (AS NOTED)
- SEWER LINE
- SEWER CLEAN OUT
- SEWER MANHOLE

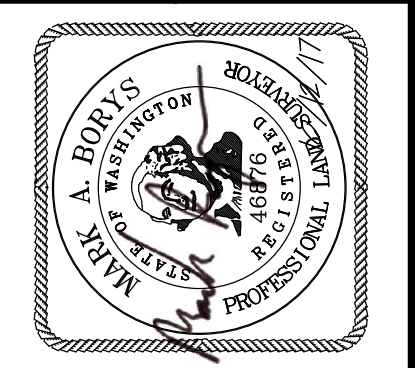
VICINITY MAP

N.T.S.



- NOTES:
1. AREA SUBJECT TO EASEMENT FOR P.S.P.L. SAID EASEMENT TO BE 10' IN WIDTH, AS CONSTRUCTED TO BE CONSTRUCTED, OR RELOCATED LYING WITHIN EASEMENT FOR INGRESS, EGRESS, AND UTILITIES AS DELINEATED ON SHORT PLAT MI 82-08-15, AND WITHIN A STRIP OF LAND 10 FEET IN WIDTH LYING PARALLEL WITH AND ADJACENT TO THE EASTERLY MARGIN OF SAID EASEMENT FOR INGRESS, EGRESS, AND UTILITIES
 2. AREA SUBJECT TO EASEMENT FOR INGRESS AND EGRESS OVER ROADWAY AS CONSTRUCTED PER RECORDING NUMBERS 3860939, AND 3927412

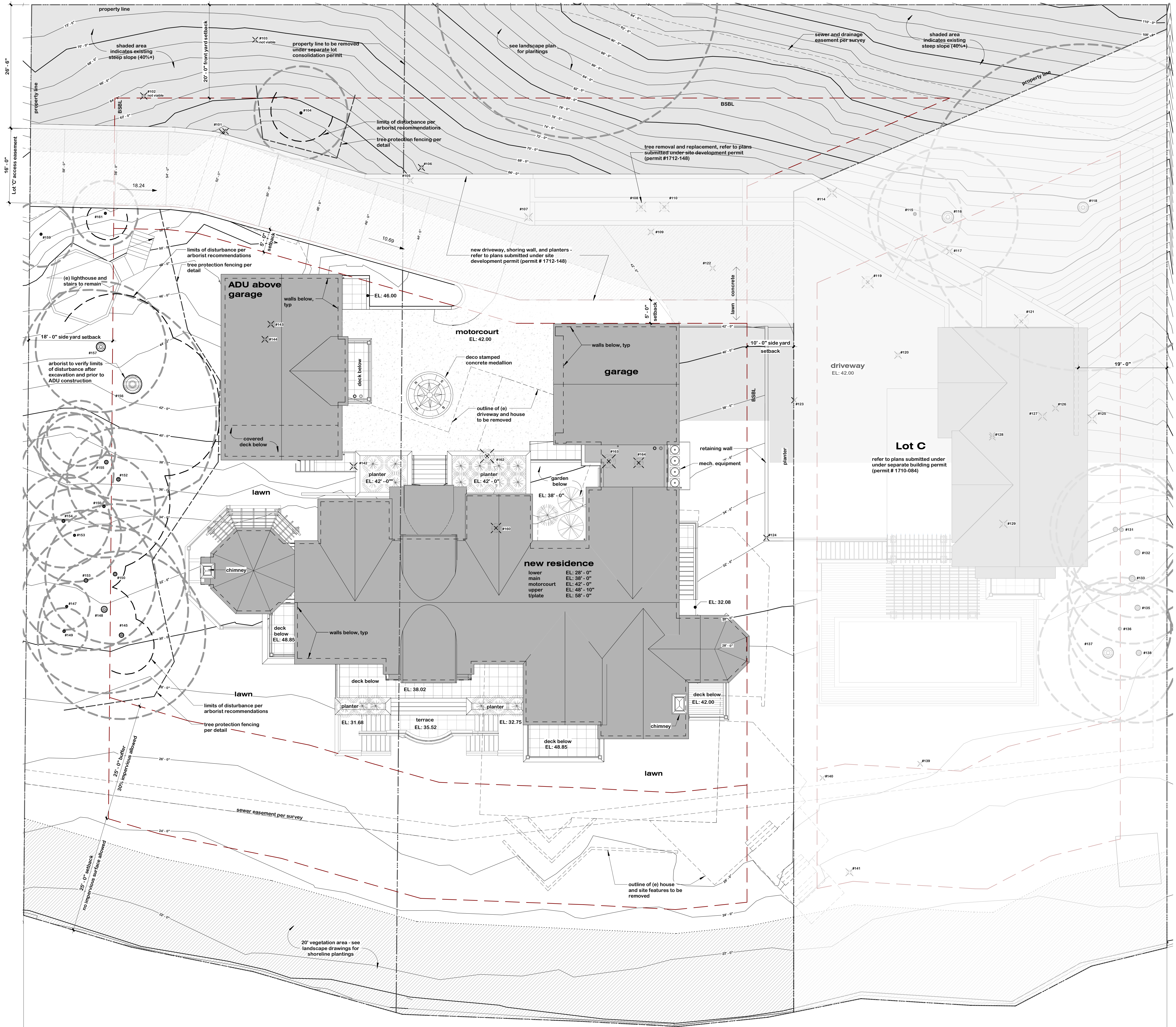
TOPOGRAPHIC & BOUNDARY SURVEY
 SW 1/4 OF SW 1/4 SEC 12, TWP. 24N., RGE 04 E., W. M.
 PARCEL NO. 3623500273, 3623500274, 3623500275



Terrane
 10801 Main Street, Suite 102, Bellevue, WA 98004
 phone 425.458.4488 support@terrane.net
 www.terrane.net

JOB NUMBER:	160681
DATE:	07/12/16
DRAFTED BY:	IDV-RSN
CHECKED BY:	MAB/TMM
SCALE:	1"= 20'
REVISION HISTORY	
8/17/16	WATER SHOT
9/19/17	ADDTL TOPO
10/13/17	ADDED SEWER LINE
SHEET NUMBER	
1 OF 1	

measure success



- site plan notes**
- Final grading shall direct drainage away from all building structures.
 - Residence will have NFPA 13 sprinkler system. Include a monitored water flow alarm, fire coating in the crawlspaces, noncombustible roof and siding materials, and additional fire code alternate measures per fire marshal.
 - No structures shall be built over sewer easement.
 - See landscape drawings for planting, irrigation, site lighting, and other landscape design information.
 - Upgrade water service line to 8" supply, verify easements and provide to city prior to construction.
 - Soil depth in planters shall be a minimum of 24" per MICC 19.02.020.

1 site plan
1/8" = 1'-0"

Drawn by: JAS
Scale: 1/8" = 1'-0"
Date: 02/15/18
Project: building permit

No. Revision Date Description

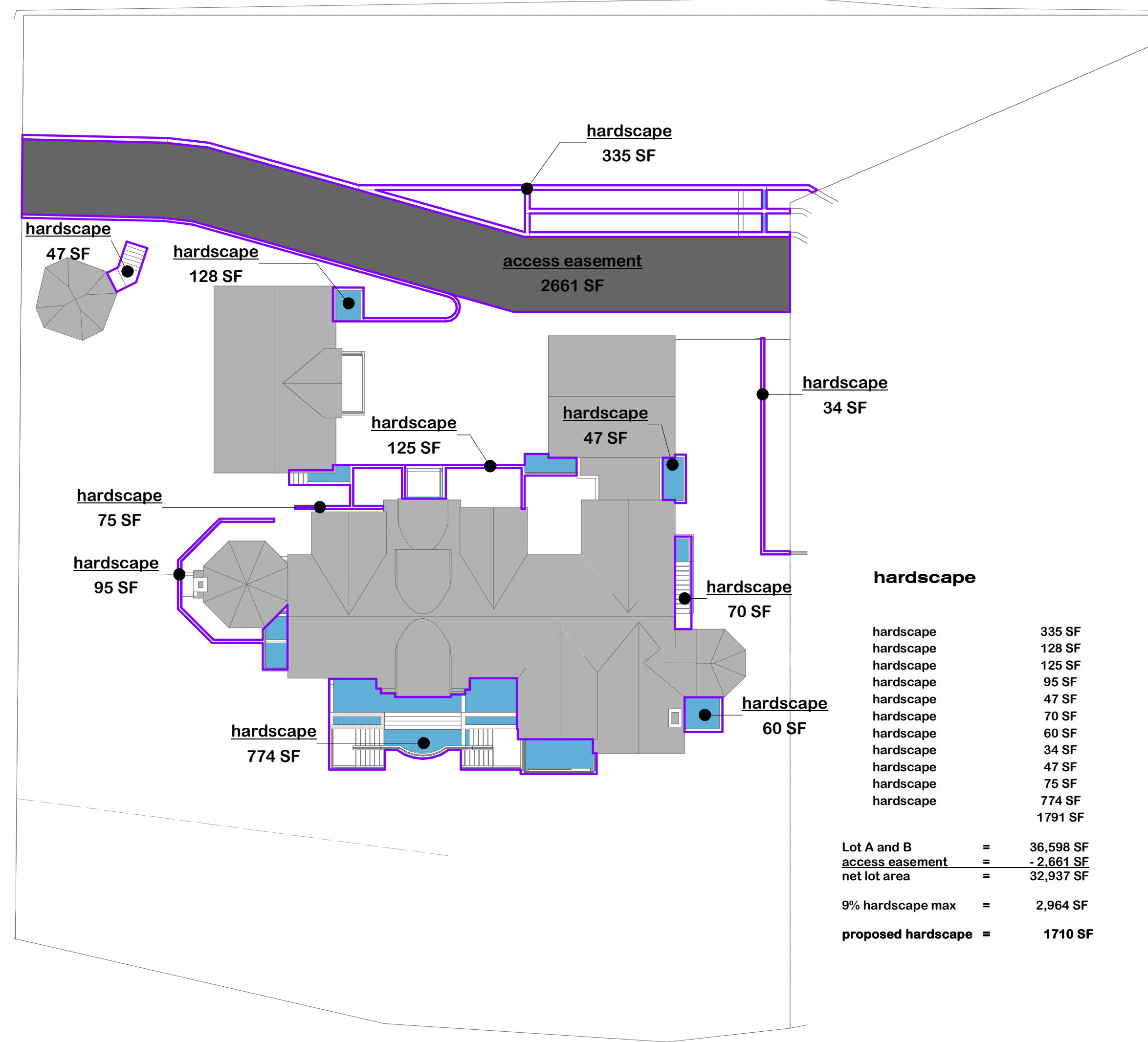
503 Lakeway Drive, Suite 200
Tacoma, WA 98403
Tel: 253.272.1700

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5035 Lakeway Drive, Suite 200, Kirkland, Washington 98033 | 425.827.1700

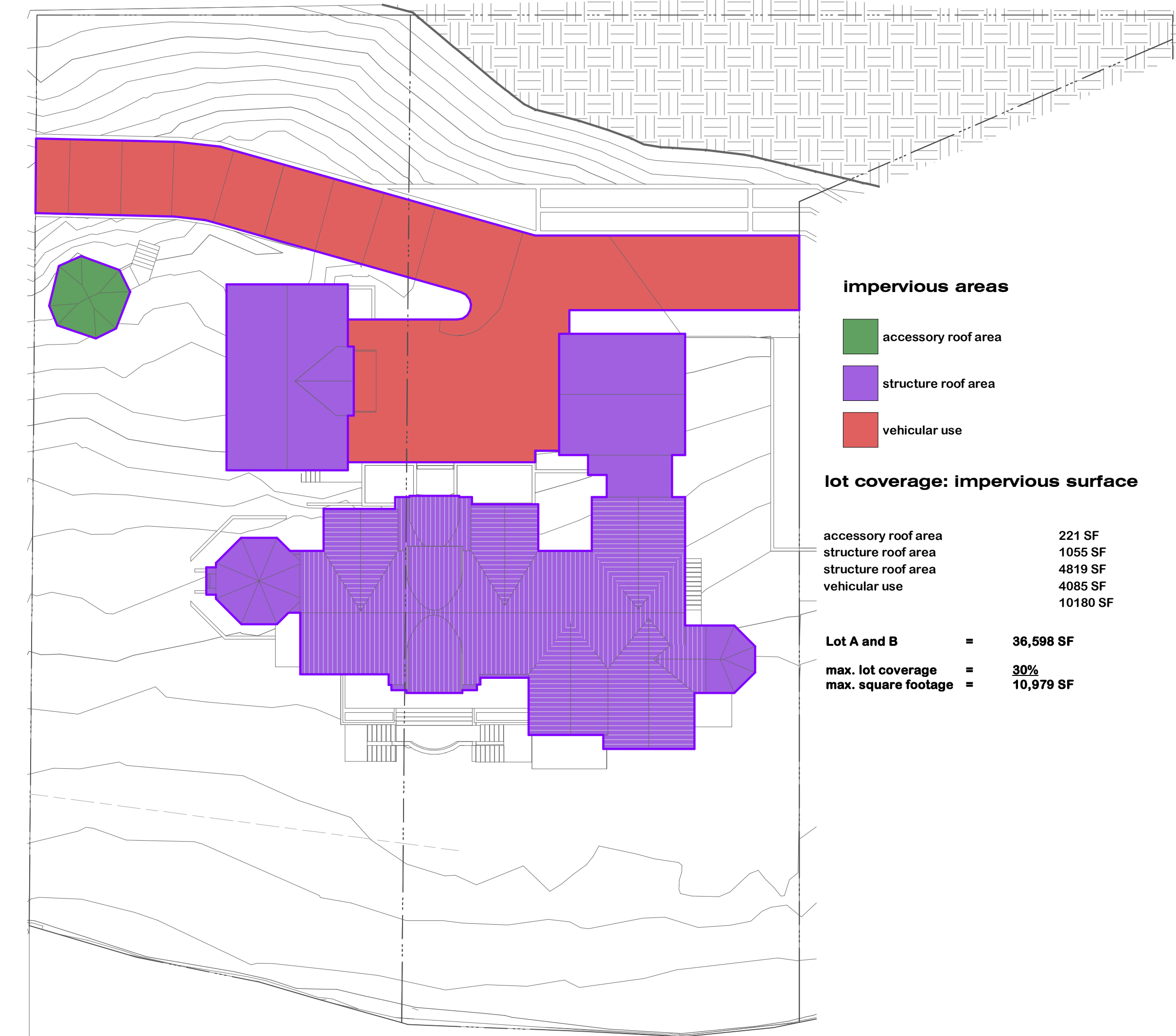
Ogdan Point Residence
3675 W Mercer Way
Mercer Island, WA 98040

Project: **503.01**

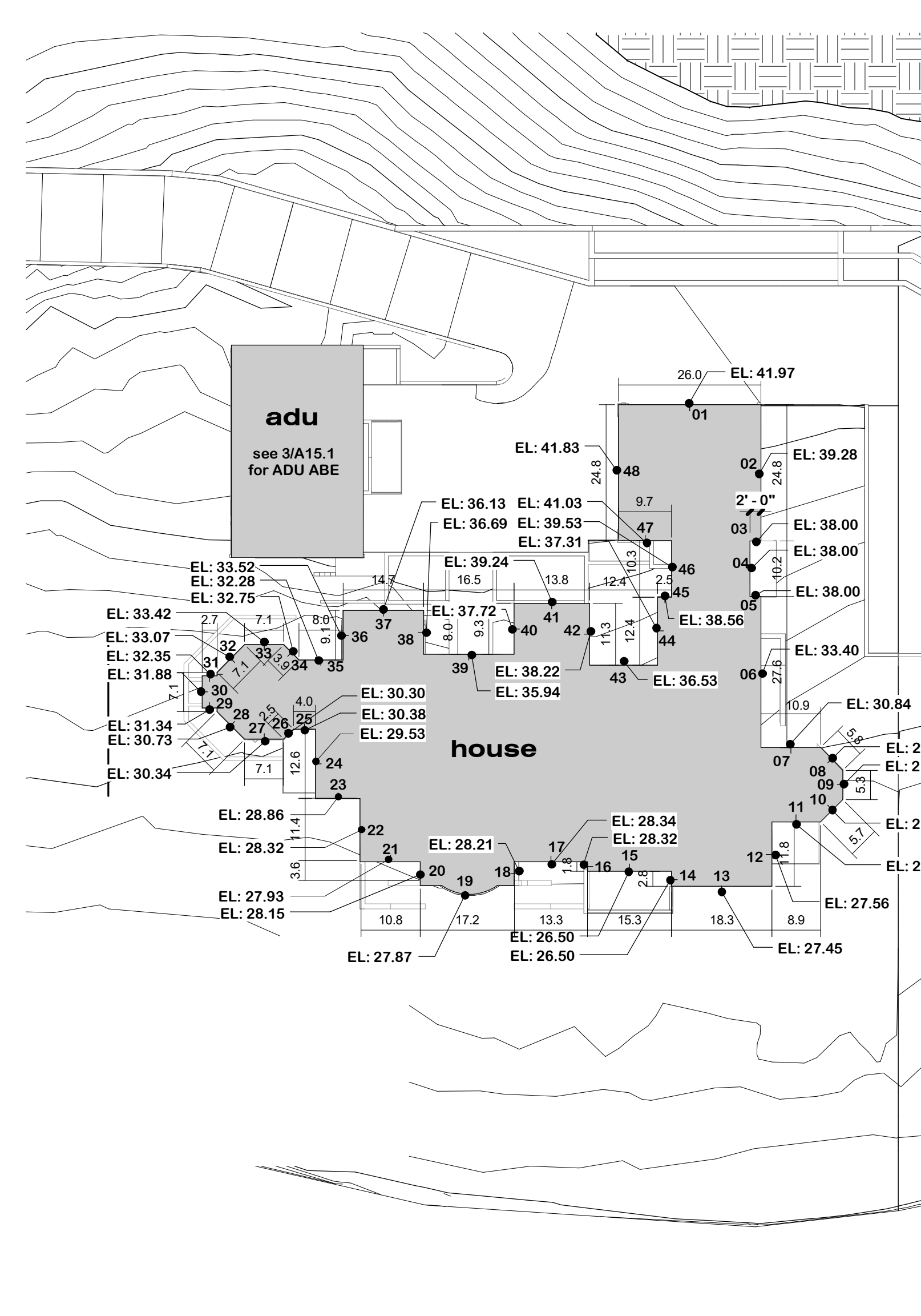
Sheet: **A2.1**



4 hardscape coverage
1" = 20'-0"



2 lot coverage
1" = 20'-0"



5 ABE calculation
1" = 20'-0"

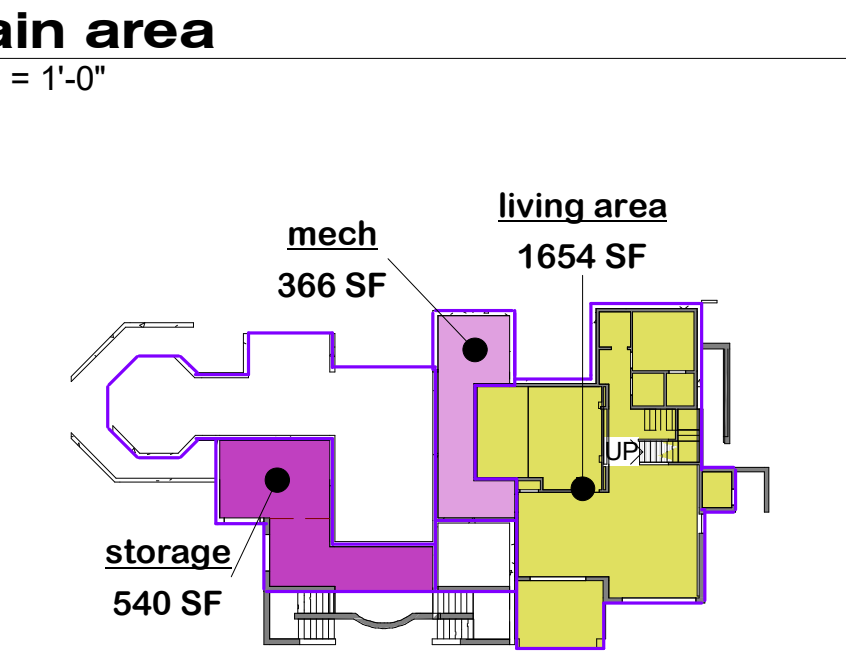
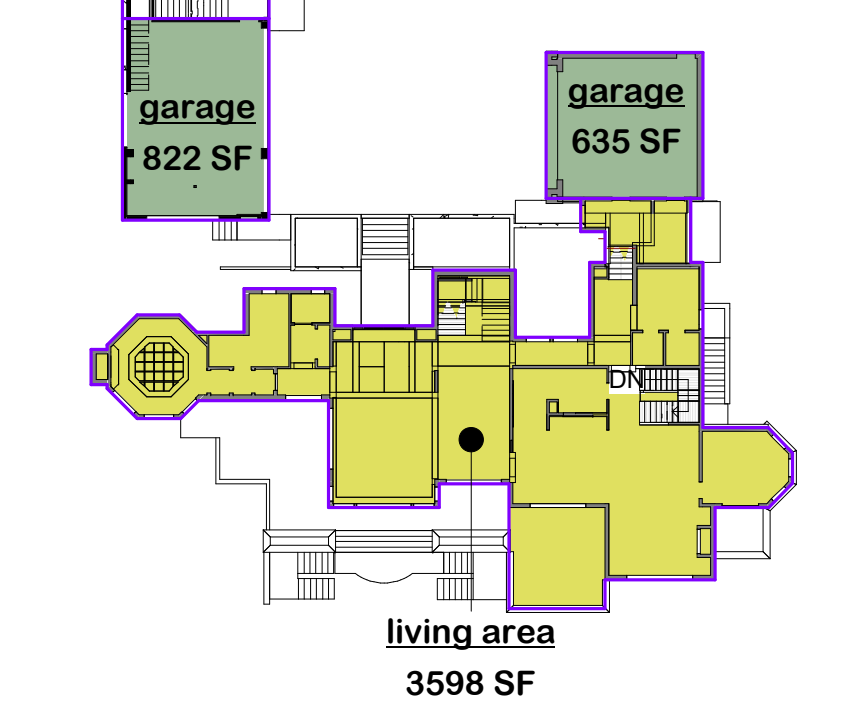
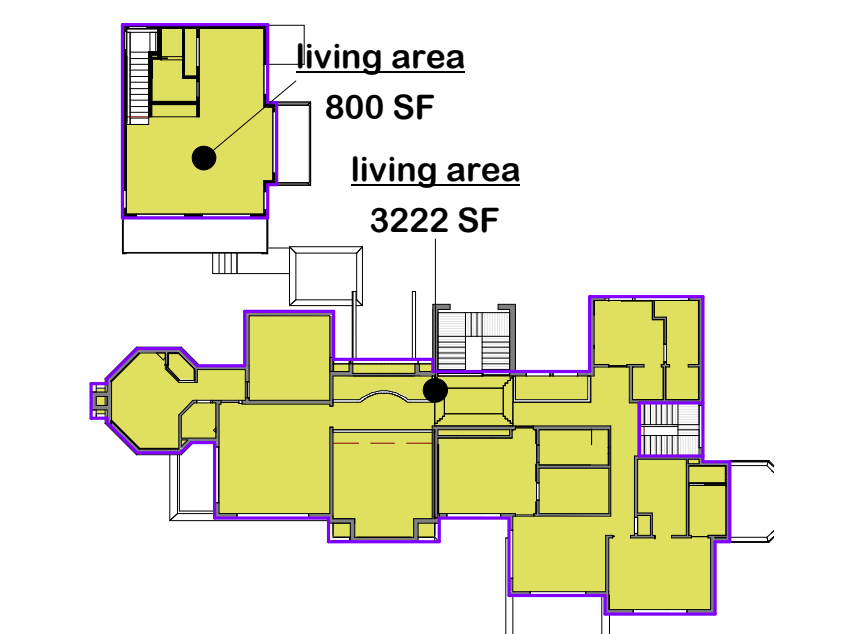
Average Building Elevation - House

Wall	midpoint elevation	wall length	ME*WL
01	41.97	26.0'	1091.2
02	39.28	24.8'	975.5
03	38	2.0'	76.0
04	38	10.2'	386.3
05	38	2.0'	76.0
06	33.21	27.5'	913.3
07	30.84	10.9'	337.1
08	30.55	5.8'	175.7
09	28.74	5.3'	150.9
10	27.67	5.7'	158.9
11	27.51	8.9'	245.9
12	27.53	11.8'	325.8
13	27.52	18.3'	503.4
14	26.5	3.2'	84.5
15	26.5	15.3'	405.5
16	28.27	1.8'	51.8
17	28.34	13.3'	377.9
18	28.22	4.4'	124.1
19	27.91	17.2'	479.1
20	28	4.5'	126.0
21	27.93	10.8'	302.6
22	28.32	11.4'	322.7
23	28.86	8.1'	233.9
24	29.53	12.6'	371.6
25	30.38	4.0'	122.7
26	30.3	2.5'	76.8
27	30.33	7.1'	216.2
28	30.72	7.1'	219.0
29	31.34	2.7'	84.9
29	38	0.7'	25.4
30	31.38	5.9'	184.3
31	32.35	2.7'	87.6
32	33.07	7.1'	235.7
33	33.42	7.1'	238.2
34	32.75	3.9'	129.3
35	32.28	8.0'	259.5
36	33.52	9.0'	301.7
37	36.13	14.7'	529.9
38	36.69	8.0'	293.5
39	35.94	16.6'	597.5
40	37.42	9.3'	349.3
41	39.24	13.6'	534.6
42	38.22	11.3'	430.0
43	36.65	12.6'	460.4
44	37.09	12.3'	457.4
45	38.32	2.5'	95.8
46	39.42	10.3'	404.1
47	41.03	9.8'	400.0
48	41.83	23.8'	995.2
		474.6'	16024.7

Floor Areas

Name	Area
lower	
living area	1654 SF
mech	366 SF
storage	540 SF
main	
garage	635 SF
garage	822 SF
living area	3598 SF
upper	
living area	3222 SF
living area	800 SF
Total	11637 SF

GROSS FLOOR AREA:
Gross Floor Area Allowed: 40% of lot area or 12,000 SF
40% of 36,598 SF = 14,639 SF
Proposed total floor area: 11,640 SF



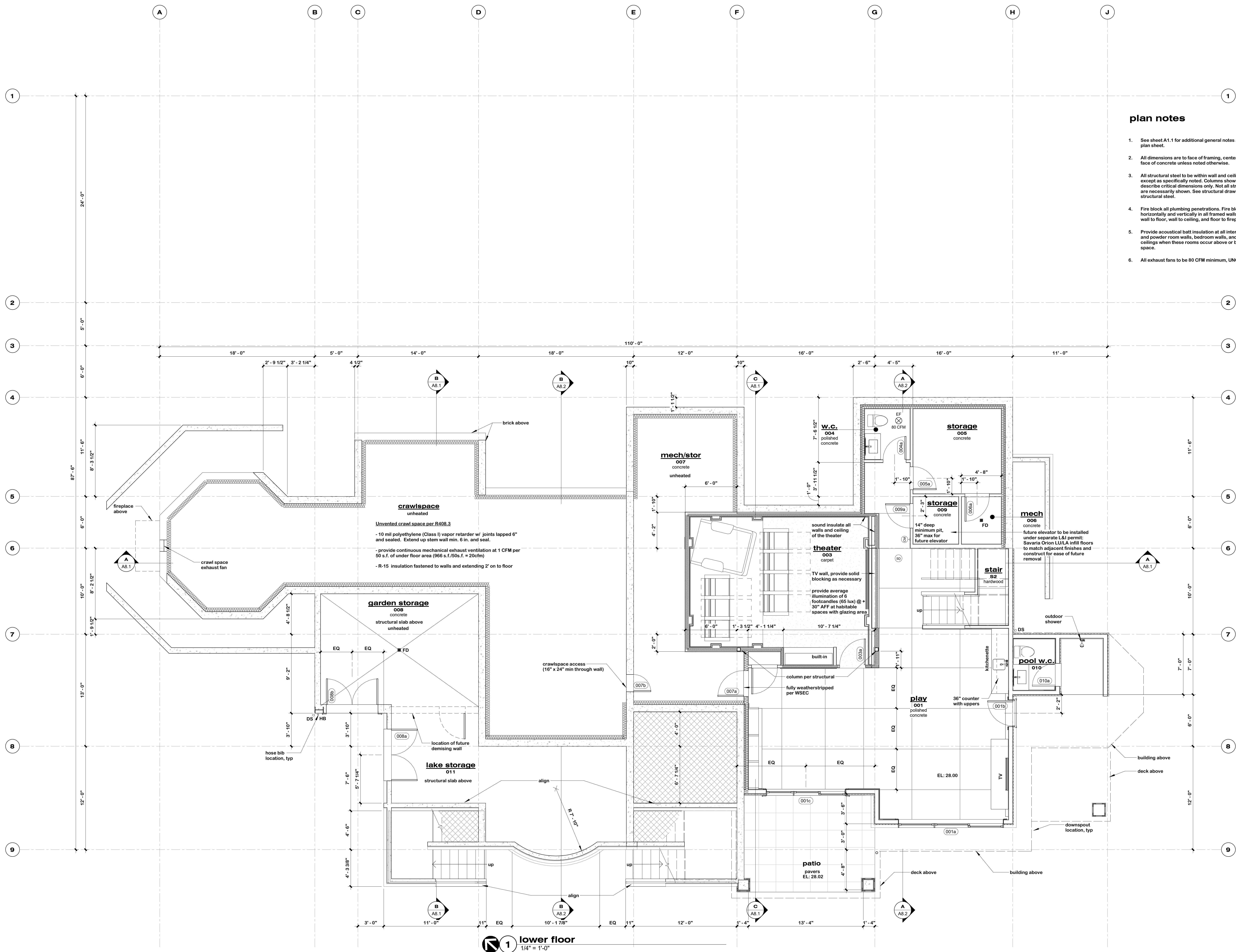
Project: **Ogden Point Residence**
3675 W Mercer Way
Mercer Island, WA 98040

Project: **503.01**

Sheet: **A2.2**

Drawn by: JAS
Scale: 1/32" = 1'-0"
Date: 02/15/18
Purpose: building permit

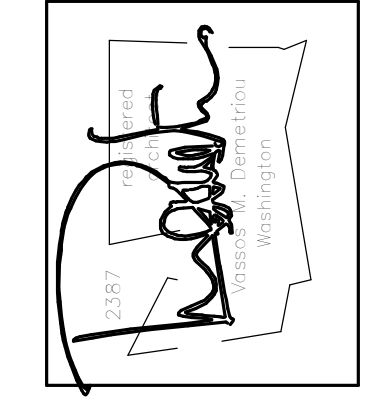
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DEMETRIO Architects, LLC



plan notes

- See sheet A1.1 for additional general notes applicable to this plan sheet.
- All dimensions are to face of framing, center of column, or face of concrete unless noted otherwise.
- All structural steel to be within wall and ceiling envelopes except as specifically noted. Columns shown this sheet describe critical dimensions only. Not all structural columns are necessarily shown. See structural drawings for extent to structural steel.
- Fire block all plumbing penetrations. Fire block at 10'-0" o.c. horizontally and vertically in all framed walls. Fire block all wall to floor, wall to ceiling, and floor to fireplace assemblies.
- Provide acoustical batt insulation at all interior bathroom and powder room walls, bedroom walls, and in the floor and ceilings when these rooms occur above or below a habitable space.
- All exhaust fans to be 80 CFM minimum, UNO.

1 lower floor
1/4" = 1'-0"



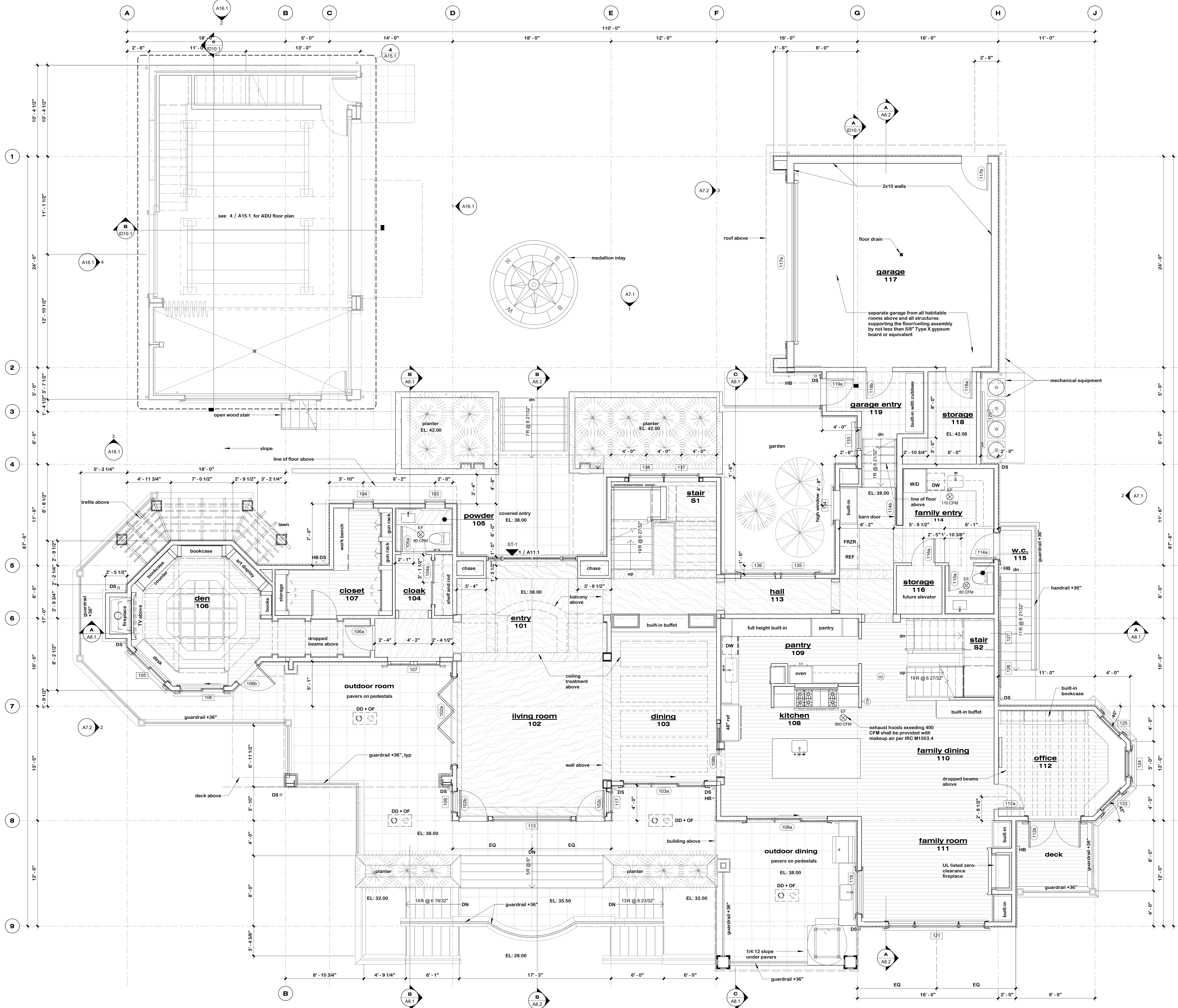
No.	Revision Date	Description

Drawn by: ABS
 Scale: 1/4" = 1'-0"
 Date: 02/15/17
 Project: building permit
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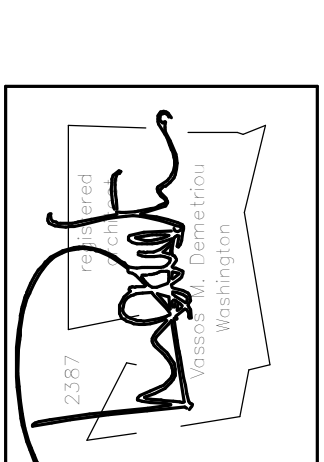
Ogdan Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Sheet Title:
lower floor plan
 Drawing Scale: 1/4" = 1'-0"

Project:
503.01
 Sheet:
A3.1



- plan notes**
- See sheet A1.1 for additional general notes applicable to this plan sheet.
 - All dimensions are to face of framing, center of column, or face of concrete unless noted otherwise.
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 - Provide acoustical batt insulation at all interior bathroom and powder room walls, bedroom walls, and in the floor and ceilings when these rooms occur above or below a habitable space.
 - All exhaust fans to be 80 CFM minimum, UNO.

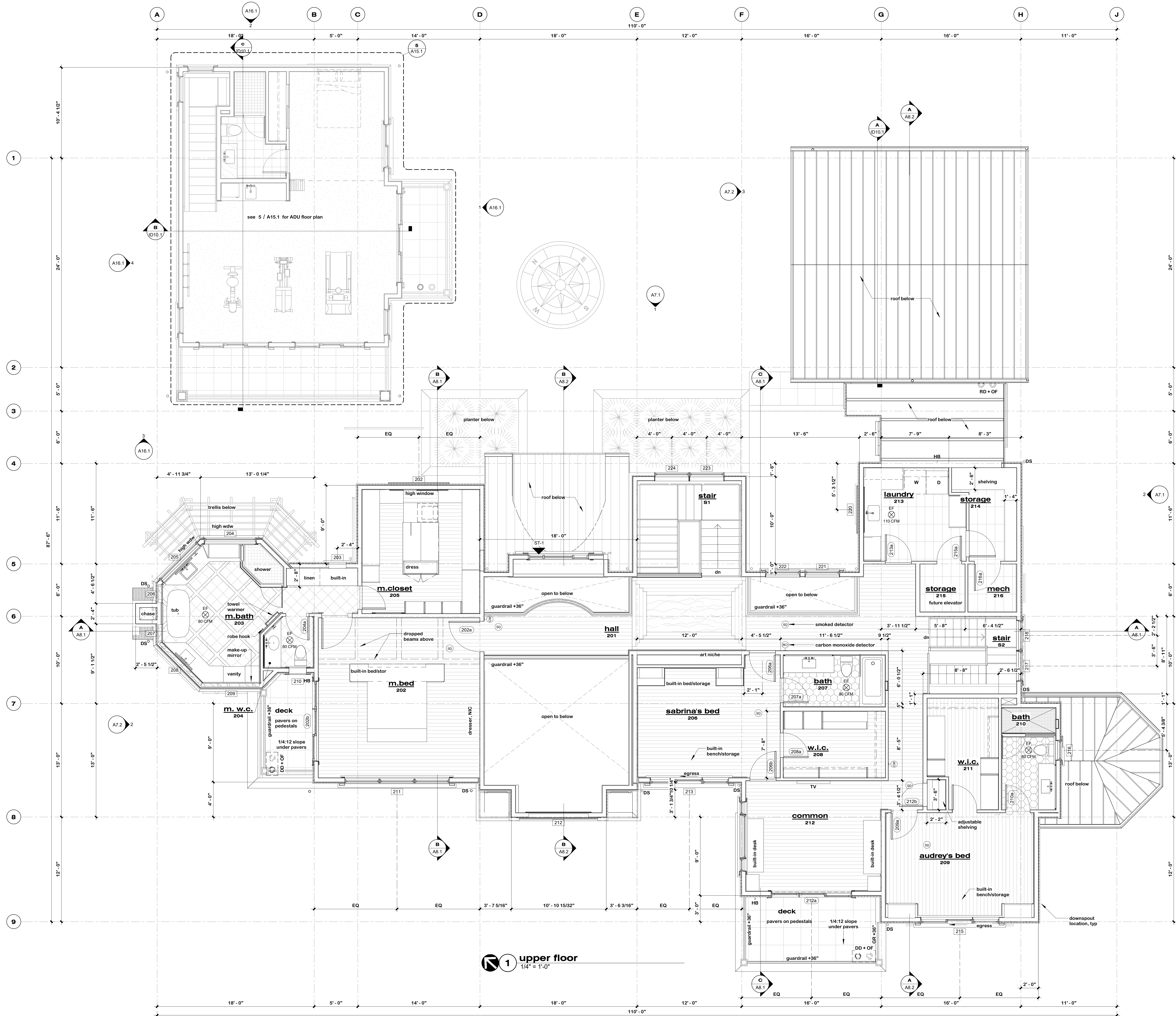


Drawn by: JAS
 Checked by: JAS
 Date: 12/15/18
 Project: building permit
 No. 145318271900
 Description:
 Revision Date:
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Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project:
503.01
 Sheet:
A4.1

1 main floor
 1/4" = 1'-0"



1 upper floor
1/4" = 1'-0"

plan notes

- See sheet A1.1 for additional general notes applicable to this plan sheet.
- All dimensions are to face of framing, center of column, or face of concrete unless noted otherwise.
- All structural steel to be within wall and ceiling envelopes except as specifically noted. Columns shown this sheet describe critical dimensions only. Not all structural columns are necessarily shown. See structural drawings for extent to structural steel.
- Fire block all plumbing penetrations. Fire block at 10'-0" o.c. horizontally and vertically in all framed walls. Fire block all wall to floor, wall to ceiling, and floor to fireplace assemblies.
- Provide acoustical batt insulation at all interior bathroom and powder room walls, bedroom walls, and in the floor and ceilings when these rooms occur above or below a habitable space.
- All exhaust fans to be 80 CFM minimum, UNO.

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Drawn by: ABS
Checked by: ABS
Date: 02/15/18
Project: building permit

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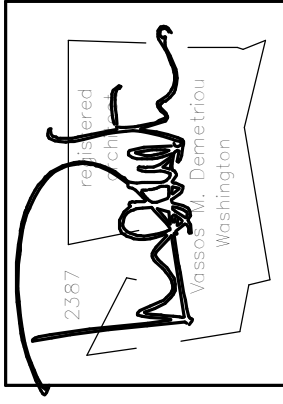
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Ogdan Point Residence
3675 W Mercer Way
Mercer Island, WA 98040

Project: **503.01**

Sheet: **A5.1**

upper floor plan



No.	Revision Date	Description

Drawn by: JAS
 Scale: 1/8" = 1'-0"
 Date: 02/15/18
 Project: building permit

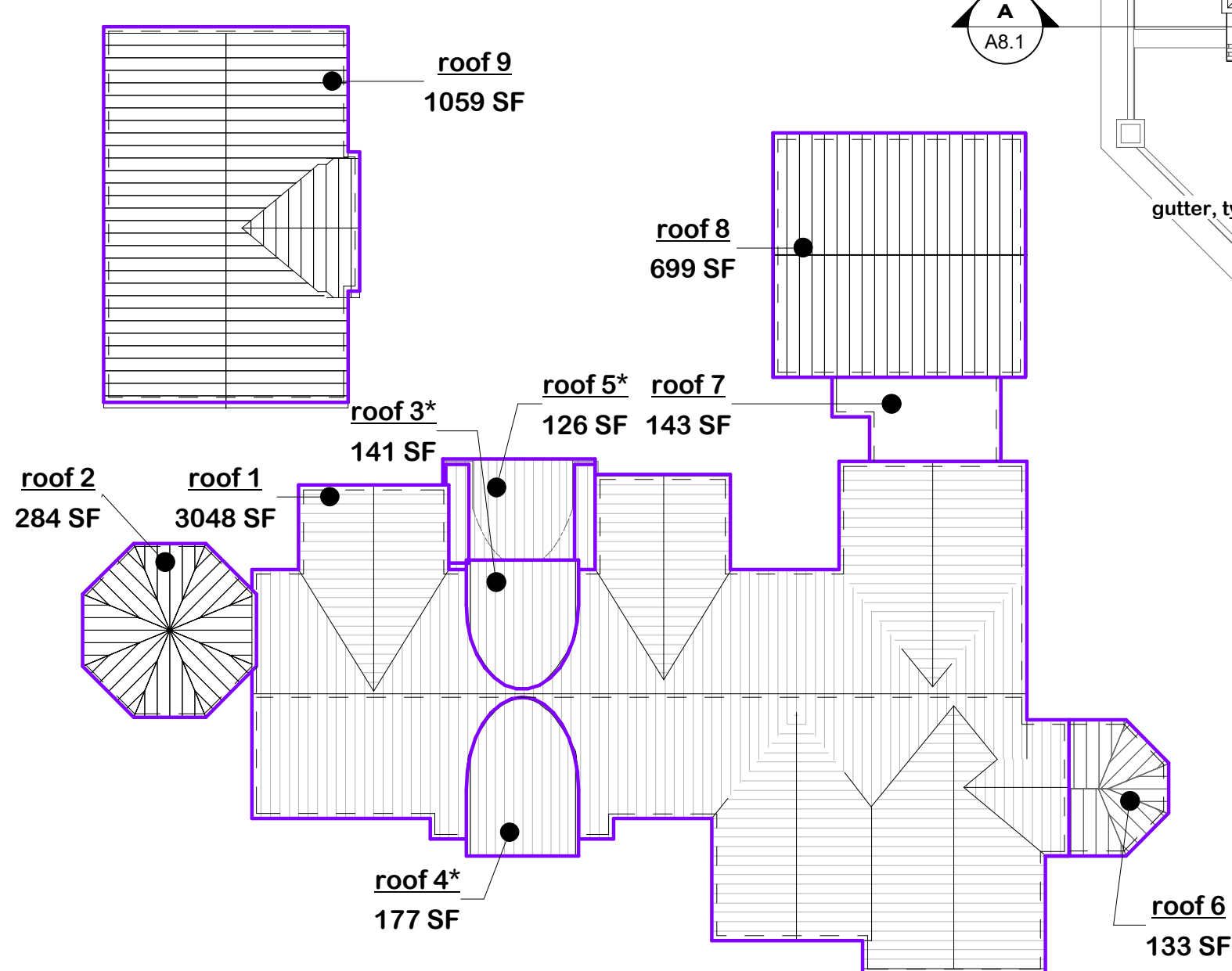
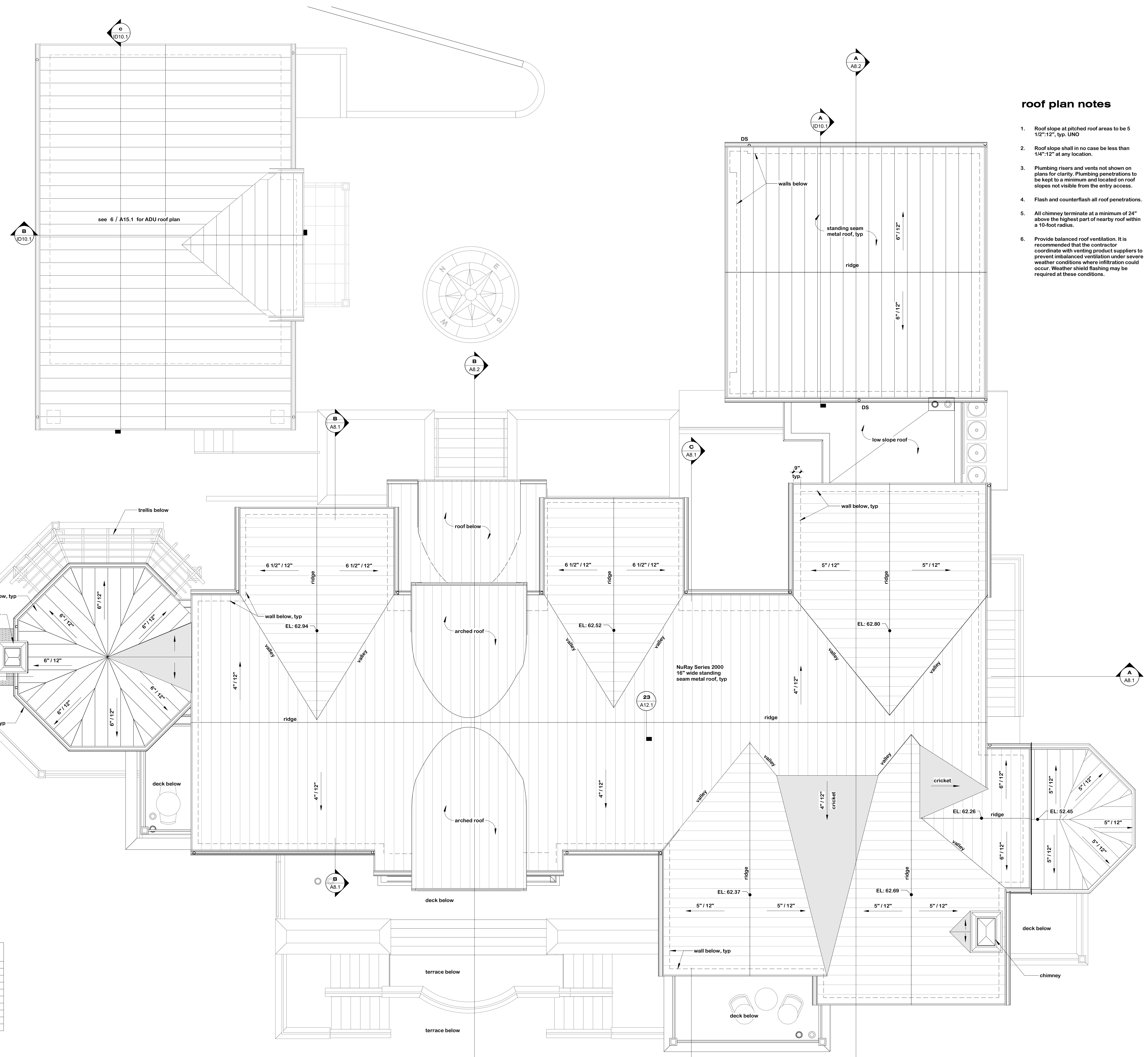
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roof plan notes

1. Roof slope at pitched roof areas to be 5 1/2":12", typ. UNO
2. Roof slope shall in no case be less than 1/4":12" at any location.
3. Plumbing risers and vents not shown on plans for clarity. Plumbing penetrations to be kept to a minimum and located on roof slopes not visible from the entry access.
4. Flash and counterflash all roof penetrations.
5. All chimney terminate at a minimum of 24" above the highest part of nearby roof within a 10-foot radius.
6. Provide balanced roof ventilation. It is recommended that the contractor coordinate with venting product suppliers to prevent unbalanced ventilation under severe weather conditions where infiltration could occur. Weather shield flashing may be required at these conditions.



name	area	venting req'd (sq.in.)	proposed soffit (sq.in.)	venting provided soffit (sq.in.)	proposed ridge vent (sq.in.)	venting provided - ridge (sq.in.)	proposed parapet venting (sq.in.)	venting provided - parapet (sq.in.)	total venting provided (sq.in.)
roof 1	3048 SF	2926	278.0	2502	81.5	1100.25	0	0	3602.25
roof 2	284 SF	272	43.0	387	0	0	0	0	387
roof 3*	141 SF	136	0.0	0	0	0	0	0	0
roof 4*	177 SF	170	0.0	0	0	0	0	0	0
roof 5*	126 SF	121	0.0	0	0	0	0	0	0
roof 6	133 SF	128	28.5	266.5	0	0	0	0	295.0
roof 7	143 SF	137	0.0	0	0	0	21.5	215	215
roof 8	699 SF	671	106.0	954	0	0	0	0	954
roof 9	1059 SF	1016	130.0	1170	0	0	0	0	1170

*venting not required.
 soffit vent = AirVent Inc, continuous soffit vent, 9 sq in per ft
 ridge vent = Cor-A-Vent, V-300 ridge vent, 13.5 sq in per ft
 parapet vent = Cor-A-Vent, S-400 vent, 10 sq in per ft

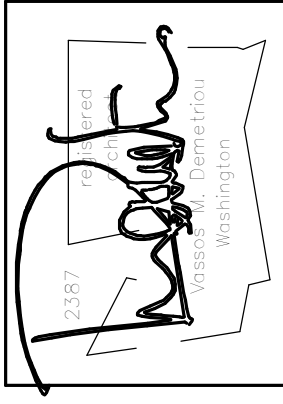
2 roof venting calculations
 1/16" = 1'-0"

1 roof plan
 1/4" = 1'-0"

Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project: **503.01**

Sheet: **A6.1**



No.	Revision Date	Description

Drawn by: JAS
 Checked by: JAS
 Date: 02/15/18
 Purpose: building permit

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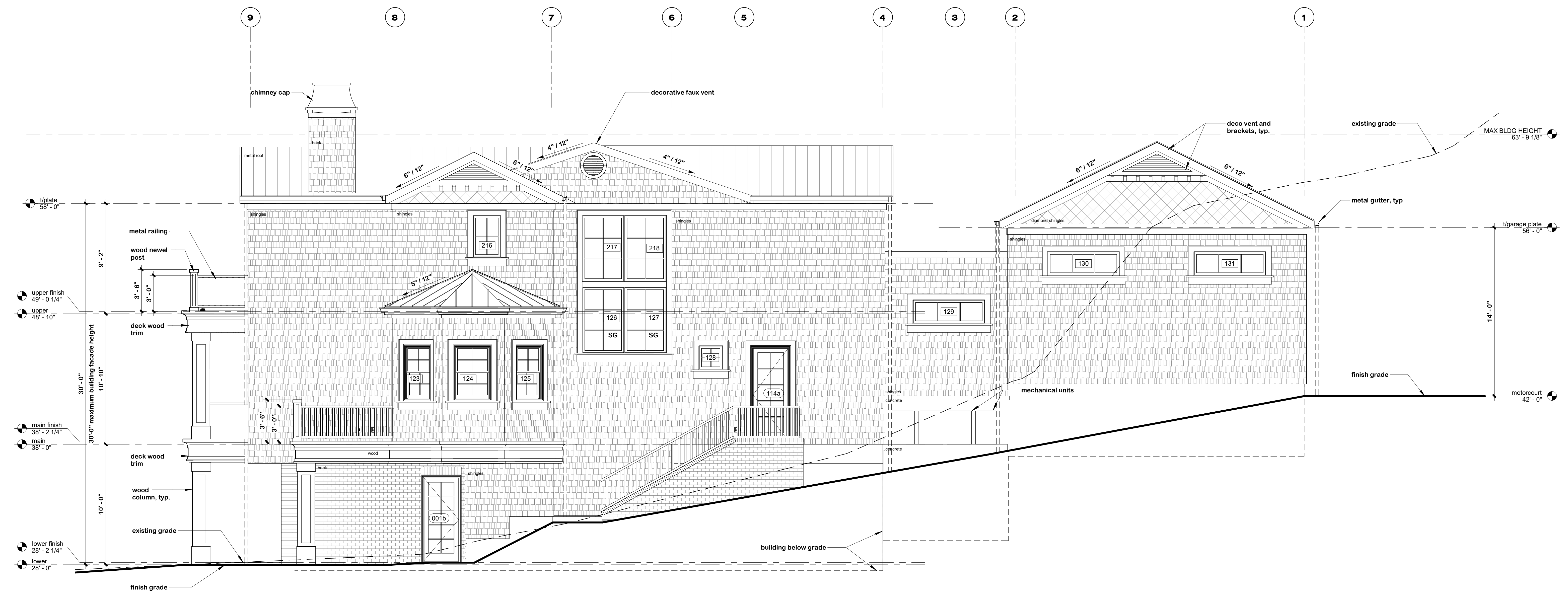
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project: building elevations

Sheet Title: **building elevations**
 Project: **503.01**
 Sheet: **A7.1**



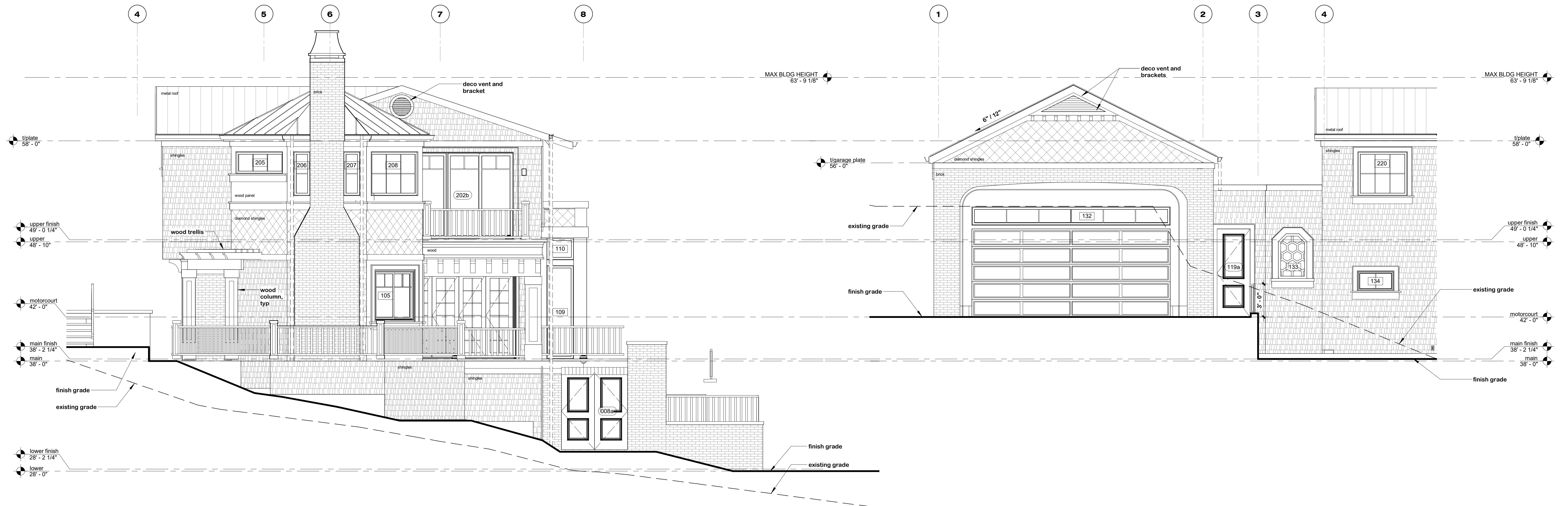
1 east elevation
 1/4" = 1'-0"



2 south elevation
 1/4" = 1'-0"

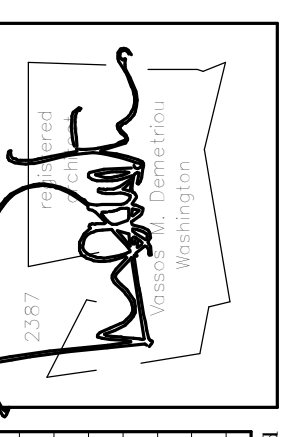


1 west elevation
1/4" = 1'-0"



2 north elevation
1/4" = 1'-0"

3 north elevation @ garage
1/4" = 1'-0"



No.	Revision Date	Description

Drawn by: JAS
 Checked by: JAS
 Date: 02/15/18
 Purpose: building permit

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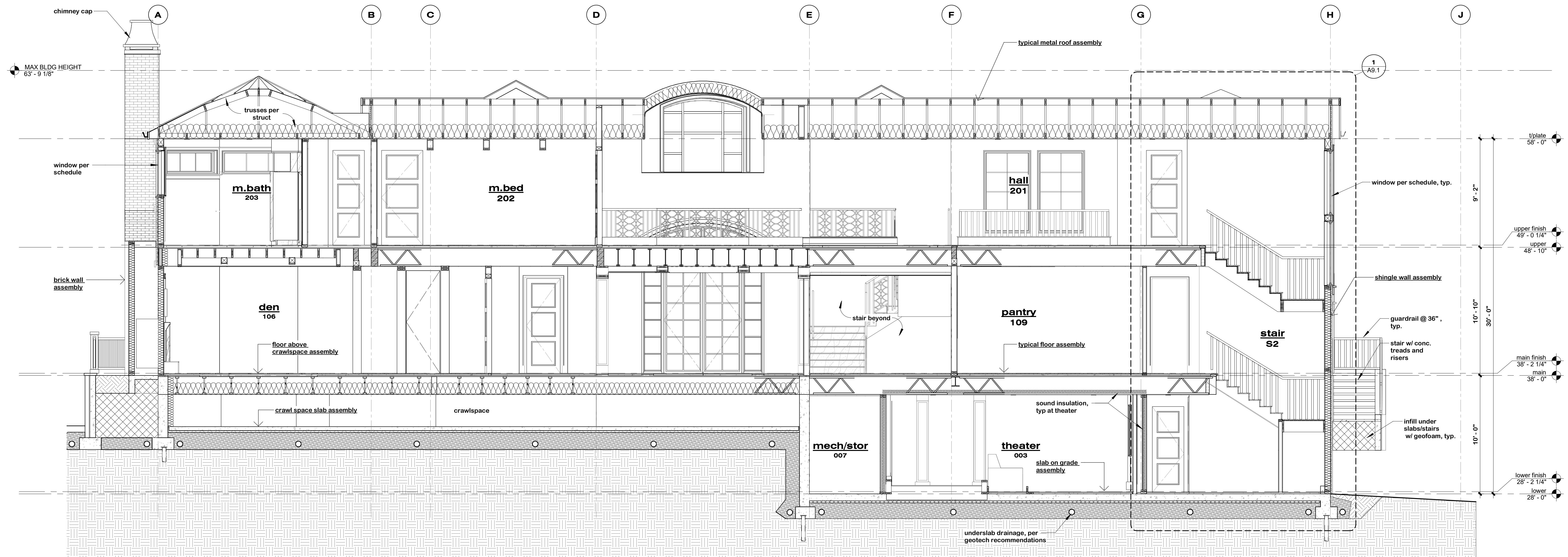
Ogdan Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project:

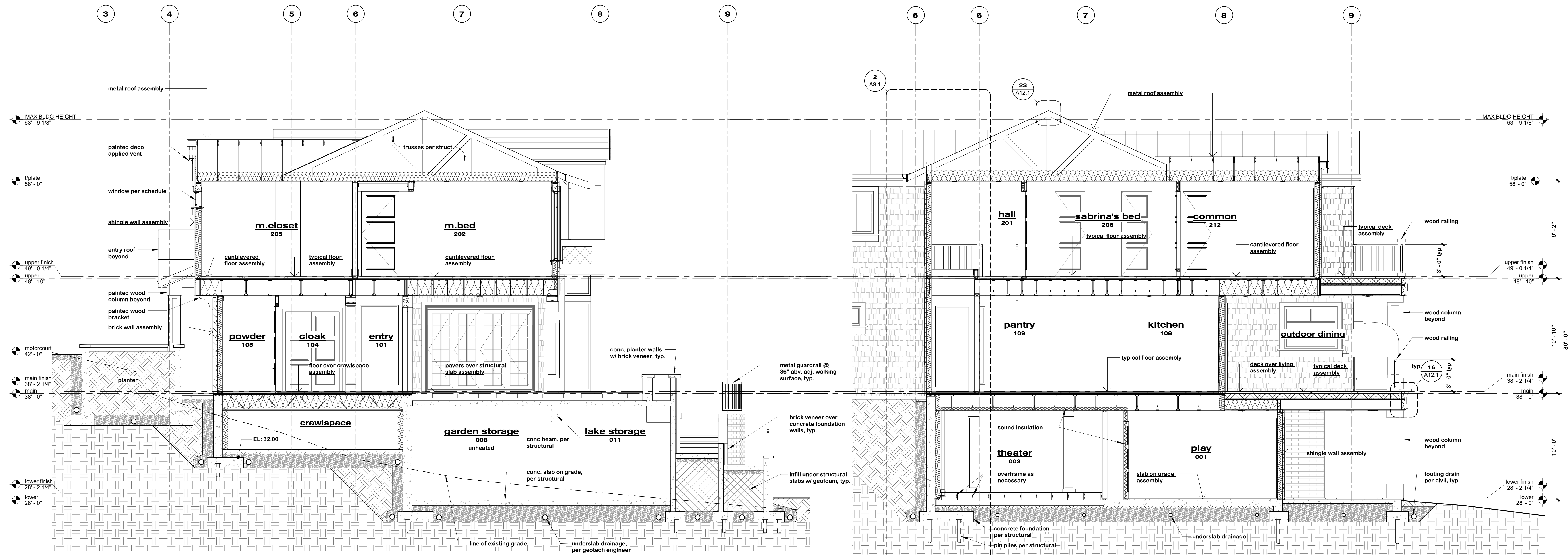
building elevations

Sheet: 503.01

A7.2



A NS section looking east
1/4" = 1'-0"



B EW section looking S
1/4" = 1'-0"

C EW section looking south
1/4" = 1'-0"

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3675 W Mercer Way
Mercer Island, WA 98040

Drawn by: JAS
Scale: 1/4" = 1'-0"
Date: 02/15/18
Project: building permit

No. 503.01
Revision Date: 02/15/18
Description: building permit

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Tel: 206.222.1700

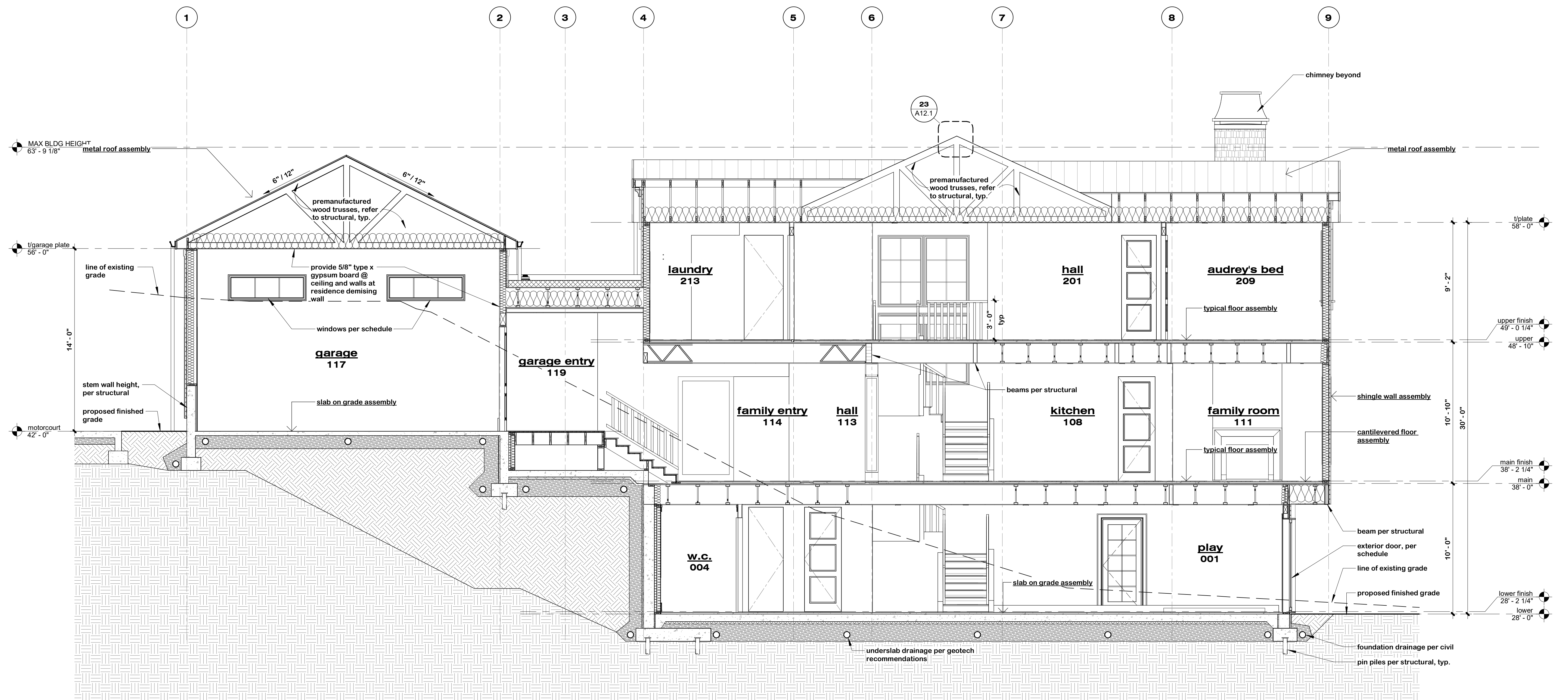
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Project: **503.01**

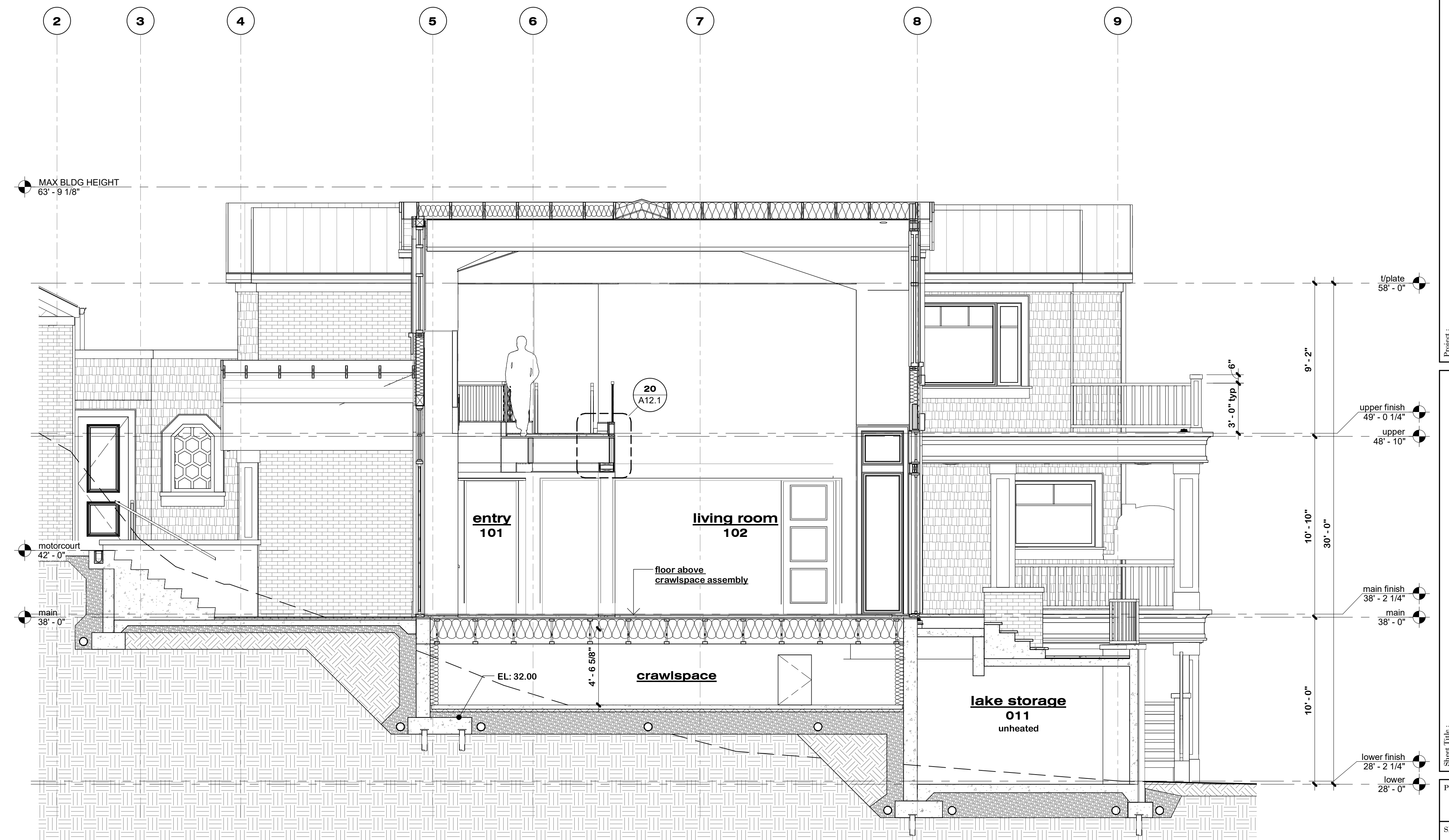
Sheet: **A8.1**

building sections

Ogden Point Residence
3675 W Mercer Way
Mercer Island, WA 98040



A EW section through garage
1/4" = 1'-0"



B EW section through entry and living
1/4" = 1'-0"

No.	Revision Date	Description

Drawn by: JAS
 Checked by: JAS
 Date: 02/15/18
 Purpose: building permit

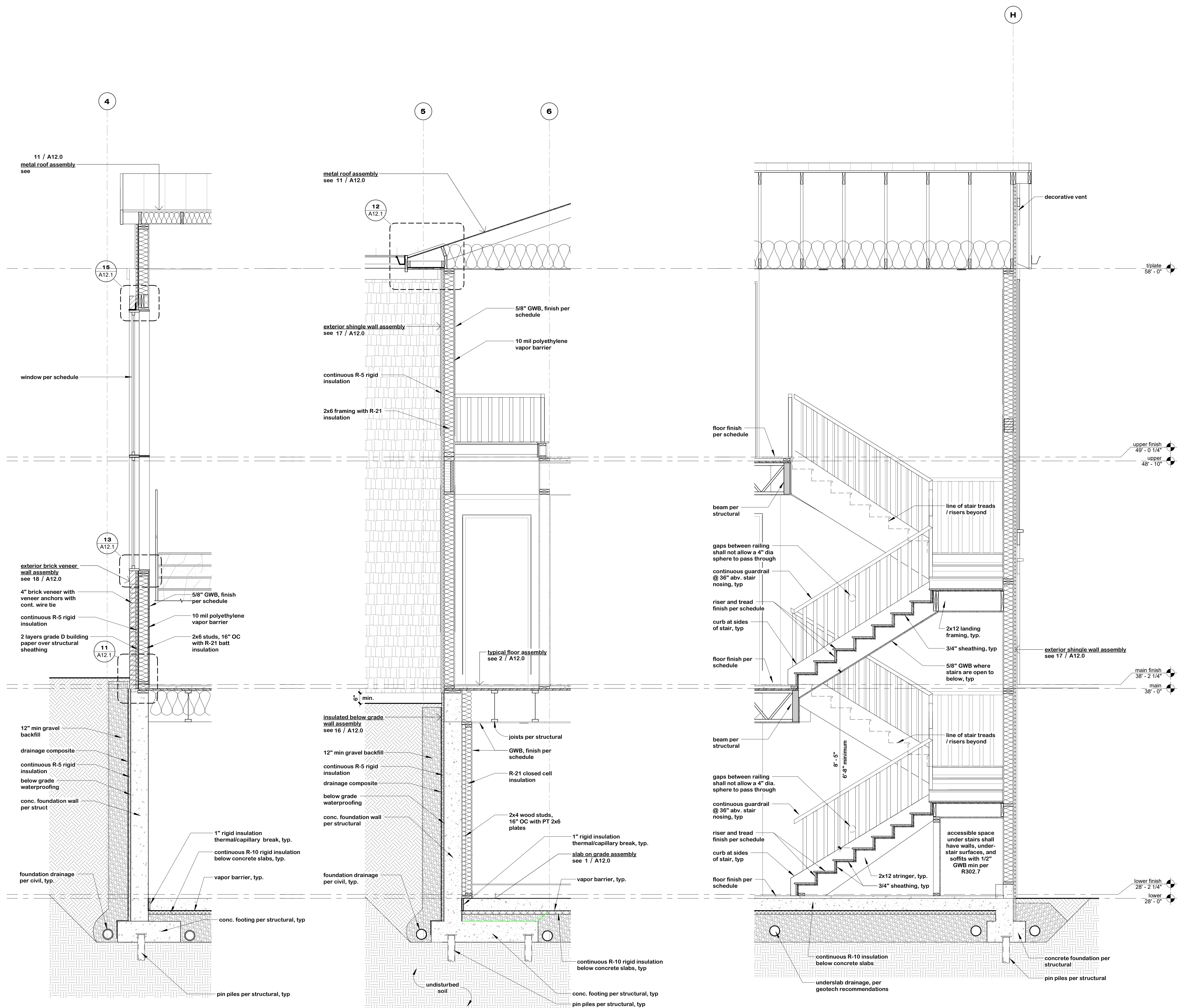
Project:
Ogden Point Residence
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 Mercer Island, WA 98040

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 Kirkland, WA 98033
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Project:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

building sections
 Project:
503.01
 Sheet:
A8.2



3 wall section @ brick
1/2" = 1'-0"

2 wall section @ shingles
1/2" = 1'-0"

1 stair section
1/2" = 1'-0"



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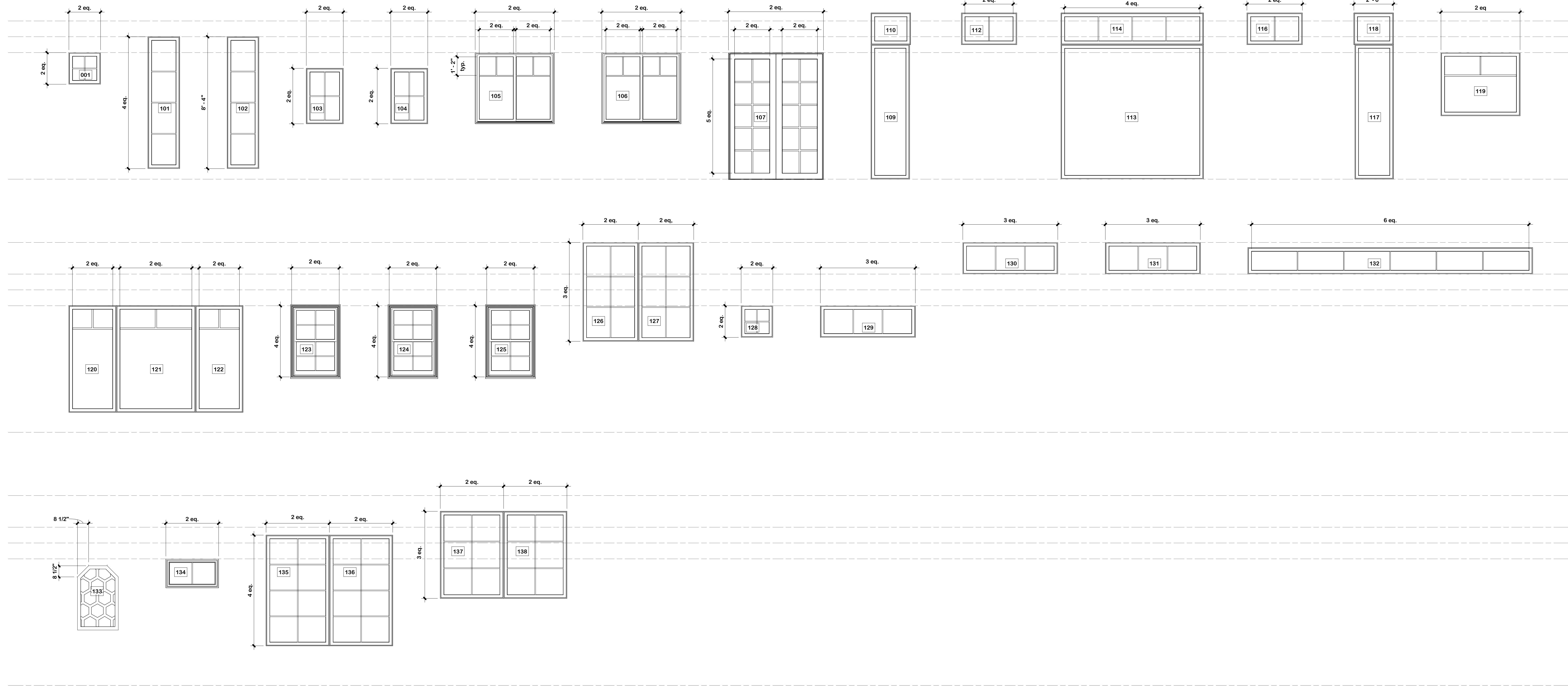
Ogden Point Residence
3675 W Mercer Way
Mercer Island, WA 98040

wall and stair sections

Project: **503.01**

Sheet: **A9.1**

window types

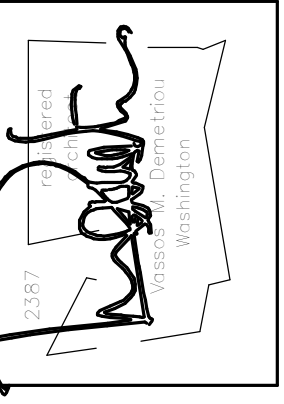


window schedule

room no.	room name	mark	width	height	sill height	head height	u-value	area	comments
main finish									
105	powder	103	2'-4"	3'-6"	3'-6"	7'-0"	0.25	8 SF	
107	closet	104	2'-4"	3'-6"	3'-6"	7'-0"	0.25	8 SF	frosted glass
106	den	105	5'-0"	4'-6"	3'-6"	8'-0"	0.25	23 SF	
106	den	106	5'-0"	4'-6"	3'-6"	8'-0"	0.25	23 SF	
101	entry	107	6'-0"	8'-0"	-3/4"	7'-11 1/4"	0.25	48 SF	
102	living room	109	2'-5 1/4"	8'-6"	0"	8'-6"	0.25	21 SF	
102	living room	110	2'-6"	2'-0"	9'-0"	11'-0"	0.25	5 SF	
102	living room	112	3'-6"	2'-0"	9'-0"	11'-0"	0.25	7 SF	
102	living room	113	9'-0"	8'-6"	-3/4"	8'-5 1/4"	0.25	77 SF	
102	living room	114	9'-0"	2'-0"	9'-0"	11'-0"	0.25	18 SF	
102	living room	119	3'-6"	2'-0"	9'-0"	11'-0"	0.25	7 SF	
102	living room	117	2'-5 1/4"	8'-6"	0"	8'-6"	0.25	21 SF	
111	family room	119	5'-0"	4'-0"	4'-0"	8'-0"	0.25	20 SF	
111	family room	120	3'-0"	6'-9"	1'-3"	8'-0"	0.25	20 SF	
111	family room	121	5'-0"	6'-9"	1'-3"	8'-0"	0.25	34 SF	
111	family room	122	3'-0"	6'-9"	1'-3"	8'-0"	0.25	20 SF	
112	office	123	3'-0"	4'-6"	3'-6"	8'-0"	0.25	14 SF	
112	office	124	3'-0"	4'-6"	3'-6"	8'-0"	0.25	14 SF	
112	office	125	3'-0"	4'-6"	3'-6"	8'-0"	0.25	14 SF	
S2	stair	126	3'-6"	5'-6"	7'-4 1/2"	12'-10 1/2"	0.25	19 SF	safety glazing
S2	stair	127	3'-6"	5'-6"	7'-4 1/2"	12'-10 1/2"	0.25	19 SF	safety glazing
115	w.s.	128	2'-0"	2'-0"	6'-0"	8'-0"	0.25	4 SF	
114	family entry	134	3'-4"	1'-10"	6'-2"	8'-0"	0.25	6 SF	
113	hall	135	4'-0"	7'-0"	2'-6"	9'-6"	0.25	28 SF	
113	hall	136	4'-0"	7'-0"	2'-6"	9'-6"	0.25	28 SF	
S1	stair	137	4'-0"	5'-6"	5'-6"	10'-11"	0.25	22 SF	safety glazing
S1	stair	138	4'-0"	5'-6"	5'-6"	10'-11"	0.25	22 SF	safety glazing
102	living room	139	2'-6"	2'-0"	8'-11"	10'-11"	0.25	5 SF	
motorcourt									
116	storage	129	6'-0"	2'-0"	6'-0"	8'-0"	0.25	12 SF	
117	garage	130	6'-0"	2'-0"	10'-0"	12'-0"	0.25	12 SF	
117	garage	131	6'-0"	2'-0"	10'-0"	12'-0"	0.25	12 SF	
117	garage	132	18'-0"	1'-8"	8'-4"	10'-0"	0.25	30 SF	
119	garage entry	133	8'-0"	1'-10"	3'-6"	5'-4"	0.25	15 SF	
upper									
212	common	214	8'-0"	5'-0"	3'-0"	8'-0"		40 SF	
								673 SF	

glazing notes

- See sheet A1.1 for general notes
- All glazing to have a U-factor of 0.25 or better per WSEC prescriptive approach.
- Window dimensions taken to frame UNO.
- Safety glazing (SG) to be provided where required by the IRC. See plans for safety glazing locations as noted. Each pane of safety glazing to be identified in accordance with IRC.
- Emergency escape and rescue openings shall be installed per IRC R310. See plans for locations. All emergency escape openings shall have a minimum net clear opening of 5.7 SF. The minimum net clear opening shall be no less than 24", clear opening width no less than 20", with a finished sill height not more than 44" above the floor.
- Window supplier/manufacturer to field verify all rough openings, window divisions, and operation prior to production of windows.
- All operable windows to be provided with screens.
- Windows within 10'-0" of grade (or accessible deck) shall be capable of being locked.
- All sill and head heights are taken from finish floor UNO.



No.	Revision Date	Description

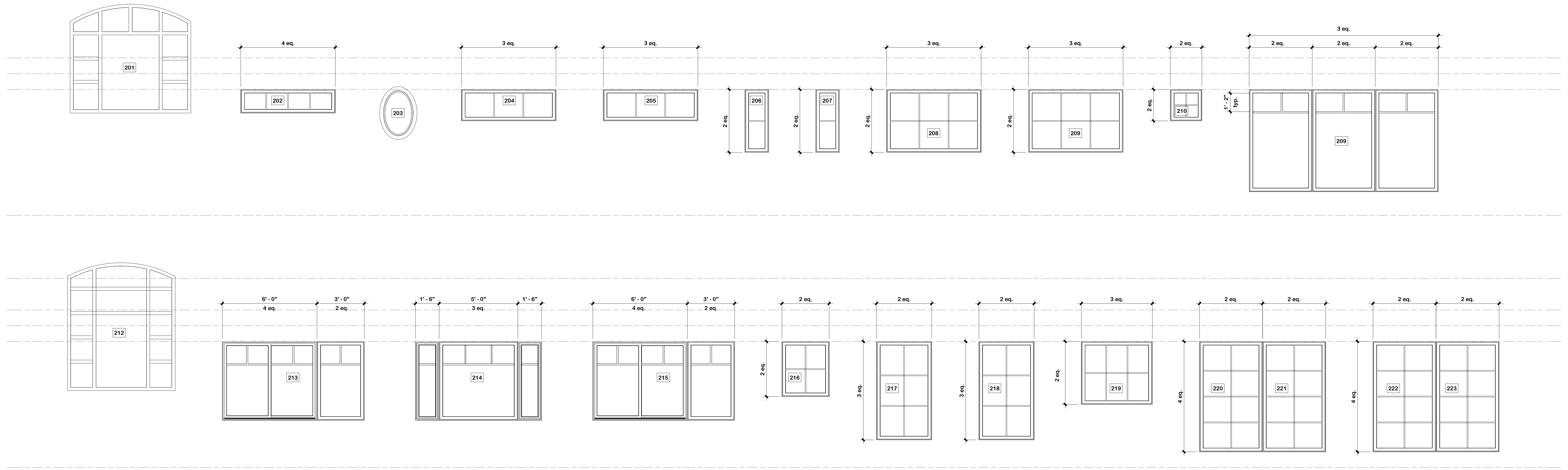
Drawn by: JAS
 Scale: 1/8" = 1'-0"
 Date: 02/15/18
 Project: building permit

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Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project:
glazing schedule - lower & main floor

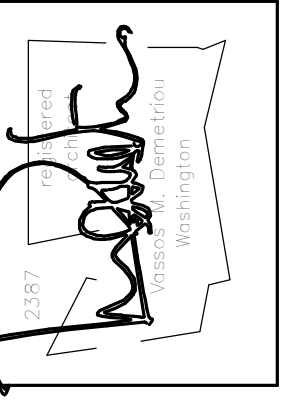
Sheet Title:
503.01
 Sheet:
A10.1



room no.	room name	no.	width	height	sill height	head height	u-value	area	comments
upper finish									
205	m.closet	202	6'-0"	1'-6"	6'-6"	8'-0"	0.25	9 SF	
203	m.bath	203	2'-0"	3'-0"	5'-0"	8'-0"	0.25	6 SF	
203	m.bath	204	6'-0"	2'-0"	6'-0"	8'-0"	0.25	12 SF	
203	m.bath	205	6'-0"	2'-0"	6'-0"	8'-0"	0.25	12 SF	
203	m.bath	206	1'-6"	4'-0"	4'-0"	8'-0"	0.25	6 SF	
203	m.bath	207	1'-6"	4'-0"	4'-0"	8'-0"	0.25	6 SF	
203	m.bath	208	6'-0"	4'-0"	4'-0"	8'-0"	0.25	24 SF	
203	m.bath	209	6'-0"	4'-0"	4'-0"	8'-0"	0.25	24 SF	
204	m.w.c.	210	2'-0"	2'-0"	6'-0"	8'-0"	0.25	4 SF	
202	m.bed	211	12'-0"	6'-6"	1'-6"	8'-0"	0.25	78 SF	
102	living room	212	7'-10"	9'-0"	4'-0"	13'-0"	0.25	71 SF	
206	sabrina's bed	213	9'-0"	5'-0"	3'-0"	8'-0"	0.25	45 SF	egress
209	audrey's bed	215	9'-0"	5'-0"	3'-0"	8'-0"	0.25	45 SF	egress, safety glazing
210	bath	216	2'-4"	3'-6"	4'-6"	8'-0"	0.25	8 SF	
S2	stair	217	3'-6"	5'-6"	2'-6"	8'-0"	0.25	19 SF	safety glazing
S2	stair	218	3'-6"	5'-6"	2'-6"	8'-0"	0.25	19 SF	safety glazing
213	laundry	220	4'-6"	4'-0"	4'-0"	8'-0"	0.25	18 SF	
113	hall	221	4'-0"	7'-0"	1'-0"	8'-0"	0.25	28 SF	
113	hall	222	4'-0"	7'-0"	1'-0"	8'-0"	0.25	28 SF	
S4	stair	223	4'-0"	7'-0"	0"	7'-0"	0.25	28 SF	
S1	stair	224	4'-0"	7'-0"	0"	7'-0"	0.25	28 SF	
								518 SF	

glazing notes

- See sheet A1.1 for general notes
- All glazing to have a U-factor of 0.25 or better per WSEC prescriptive approach.
- Window dimensions taken to frame UNO.
- Safety glazing (SG) to be provided where required by the IRC. See plans for safety glazing locations as noted. Each pane of safety glazing to be identified in accordance with IRC.
- Emergency escape and rescue openings shall be installed per IRC R310. See plans for locations. All emergency escape openings shall have a minimum net clear opening of 5.7 SF. The minimum net clear opening shall be no less than 24", clear opening width no less than 20", with a finished sill height not more than 44" above the floor.
- Window supplier/manufacturer to field verify all rough openings, window divisions, and operation prior to production of windows.
- All window finishes per architect. Window supplier to submit color sample for approval by architect/owner.
- All operable windows to be provided with screens.
- Windows within 10'-0" of grade (or accessible deck) shall be capable of being locked.
- All sill and head heights are taken from finish FLOOR.



No.	Revision Date	Description

Drawn by: JAS
 Scale: 1/8" = 1'-0"
 Date: 02/15/18
 Purpose: building permit

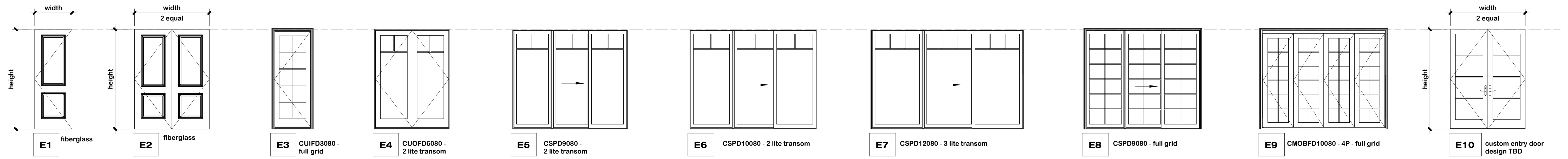
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Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project: **glazing schedule - upper floor**

Sheet: **503.01**
A10.2

exterior door types

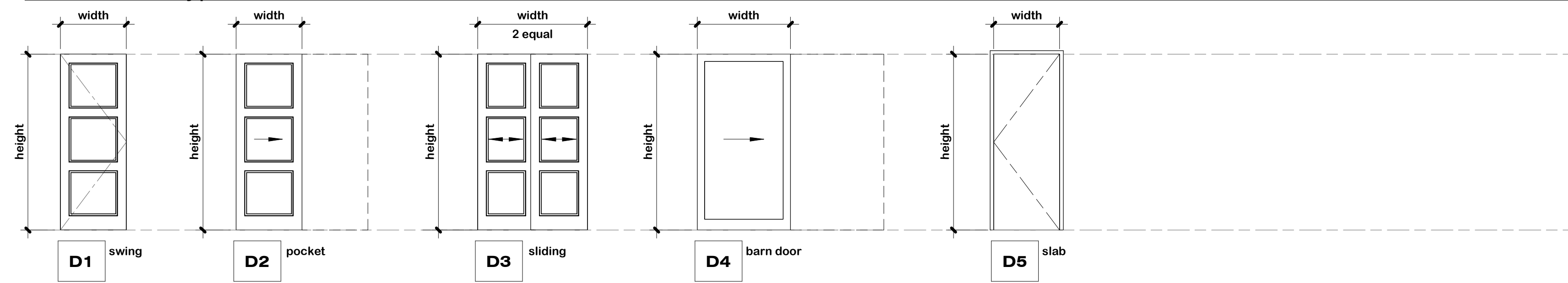


exterior door schedule									
Level	room	type	material	finish	actual width	actual height	thickness	Comments	
lower finish									
lower finish	001a	001	play	E13	aluminum clad	paint	12'-2 3/4"	7'-2 1/2"	1 3/4"
lower finish	001b	001	play	E14	aluminum clad	paint	3'-1 7/16"	7'-2 1/2"	1 3/4"
lower finish	001c	001	play	E12	aluminum clad	paint	9'-2 3/4"	7'-2 1/2"	1 3/4"
lower finish	008a	D11	lake storage	E2	hollow metal	paint	8'-0"	7'-0"	1 3/4"
lower finish	008b	008	garden storage	E2	fiberglass	paint	6'-0"	7'-0"	1 3/4"
lower finish	010a	010	pool w.c.	E16			2'-8"	7'-3"	1 3/4"
main finish									
main finish	102a	102	living room	E9	aluminum clad	paint	10'-0 13/16"	7'-11 1/2"	2 1/4"
main finish	102b	102	living room	E11	aluminum clad	paint	3'-4"	8'-6"	1 3/4"
main finish	102c	102	living room	E11	aluminum clad	paint	3'-4"	8'-6"	1 3/4"
main finish	103a	108	kitchen	E8	aluminum clad	paint	9'-2 3/4"	7'-11 1/2"	1 3/4"
main finish	106b	106	den	E3	aluminum clad	paint	3'-1 7/16"	7'-11 1/2"	1 3/4"
main finish	108a	108	kitchen	E5	aluminum clad	paint	9'-2 3/4"	7'-11 1/2"	1 3/4"
main finish	112b	112	office	E4	aluminum clad	paint	6'-0 5/8"	8'-0"	1 3/4"
main finish	114a	114	family entry	E3	aluminum clad	paint	3'-1 7/16"	7'-11 1/2"	1 3/4"
motorcourt									
motorcourt	117b	117	garage	E1	fiberglass	paint	3'-0"	8'-0"	1 3/4"
motorcourt	118a	118	storage	E1	fiberglass	paint	3'-0"	8'-0"	1 3/4"
motorcourt	119a	119	garage entry	E1	fiberglass	paint	3'-0"	8'-0"	1 3/4"
motorcourt	119b	119	garage entry	E1	fiberglass	paint	3'-0"	8'-0"	1 3/4"
upper finish									
upper finish	202b	202	m.bed	E5	aluminum clad	paint	9'-2 3/4"	7'-11 1/2"	1 3/4"
upper finish	212a	212	common	E5	aluminum clad	paint	9'-2 3/4"	7'-11 1/2"	1 3/4"

door notes

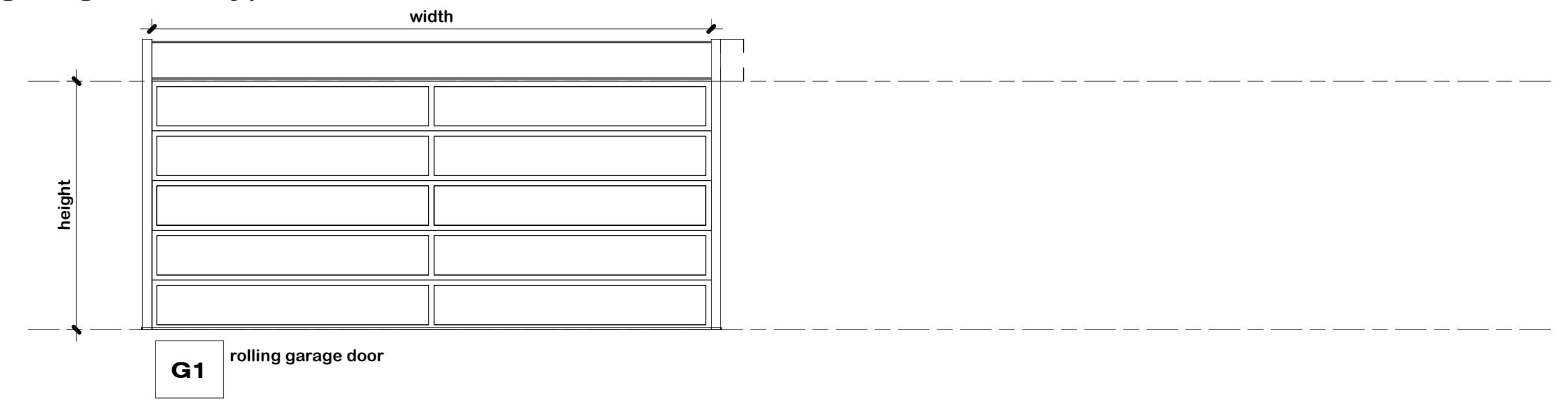
- Safety glazing (SG) to be provided where required by IBC 2403. Refer to plans for safety glazing locations. Each pane of safety glazing shall be identified by a label in accordance with the IRC.
- Door frames and frame anchorage shall be installed according to the conditions of their listings.
- All exterior doors, except garage doors, to be provided with mortise lock and deadbolt. Minimum 1/2" throw deadbolt or dead latch for doors per IRC R329.
- Opaque exterior doors to have a maximum U-factors per table WSEC R402.1.1. Glazed exterior doors to have a maximum U-factor of 0.25.
- Fire doors, windows, and dampers shall have an approved label or listing mark, indicating fire-protection rating, which is visible for inspection and permanently affixed at the time of manufacture.
- All exterior, mechanical room, and crawl space doors shall be insulated with interlocking low-rise thresholds and weatherstripping.
- Door thresholds shall not exceed 1/2" in height above finish floor.
- All bedroom, bathroom, and powder rooms to be provided with privacy locks.
- Operation, hinging, pocketing, or sliding per plans.

interior door types

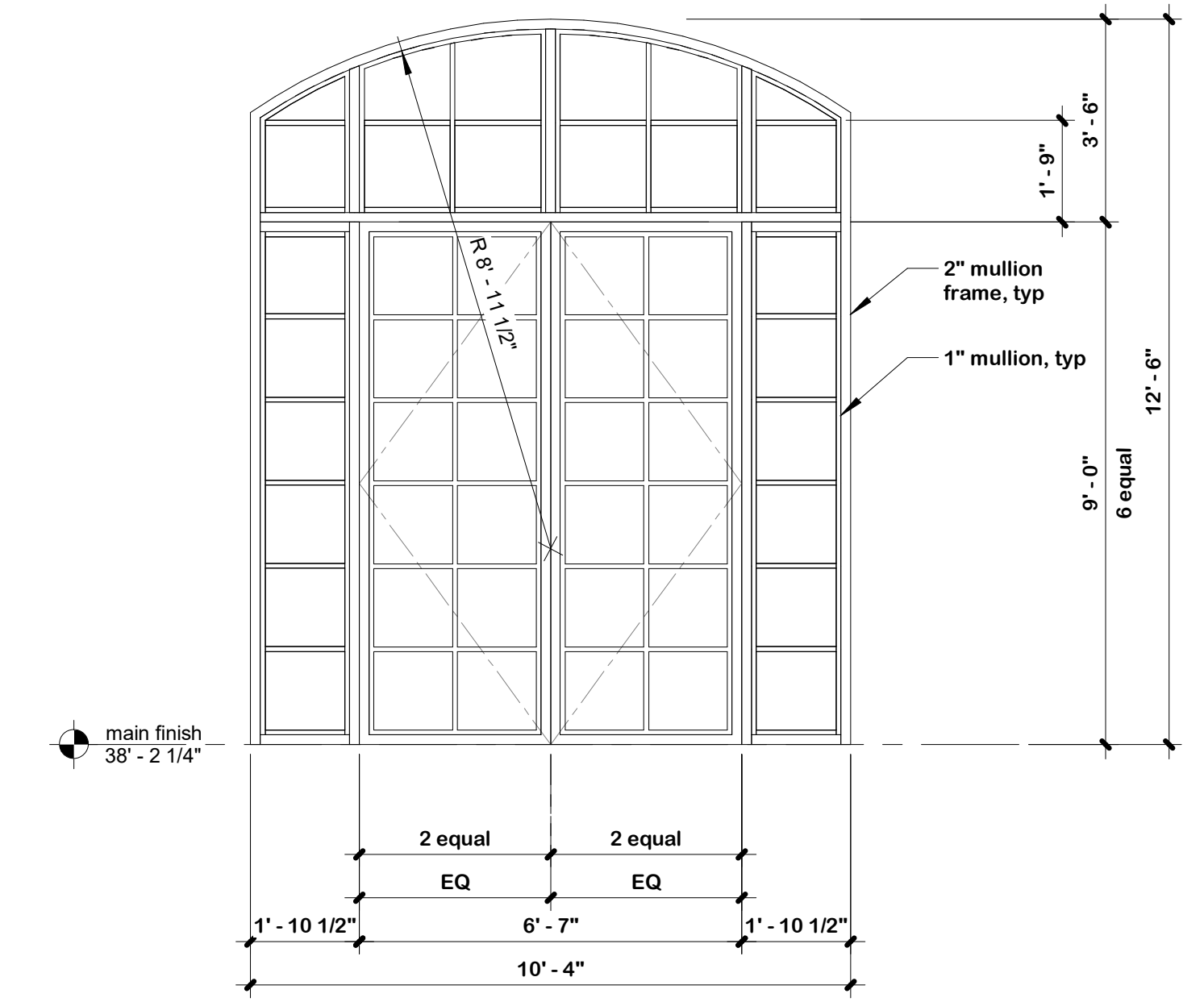


interior door schedule									
Level	room	type	material	finish	actual width	actual height	thickness	Comments	
lower									
lower	003a	003	theater	D1			3'-0"	7'-3"	1 3/4"
lower finish									
lower finish	001d	001	play	D1	MDF	paint	3'-0"	7'-3"	1 3/4"
lower finish	004a	004	w.c.	H	wood	stain	2'-8"	7'-3"	1 3/4"
lower finish	005a	005	storage	D5	MDF	paint	2'-8"	8'-0"	1 3/4"
lower finish	006a	006	mech	D5	MDF	paint	2'-10"	8'-0"	1 3/4"
lower finish	007a	001	play	O	MDF	paint	3'-0"	7'-3"	1 3/4"
lower finish	007b	007	mech/stor	D5	MDF	paint	2'-0"	3'-0"	1 3/4"
lower finish	009a	009	storage	D5	MDF	paint	2'-10"	8'-0"	1 3/4"
main finish									
main finish	104a	101	entry	D3	wood	stain	5'-0"	7'-6"	1 3/4"
main finish	105a	105	powder	D1	wood	stain	2'-10"	8'-0"	1 3/4"
main finish	106a	106	den	D1	wood	stain	2'-10"	8'-0"	1 3/4"
main finish	108b	108	kitchen	I	wood	stain	3'-0"	8'-1 1/2"	1 3/4"
main finish	112a	112	office	D1	wood	stain	2'-10"	8'-0"	1 3/4"
main finish	114b	114	family entry	D4	wood	stain	4'-3"	8'-0"	1 3/8"
main finish	115a	115	w.c.	D1	MDF	paint	2'-10"	8'-0"	1 3/4"
main finish	116a	116	storage	D1	MDF	paint	2'-8"	8'-0"	1 3/4"
upper finish									
upper finish	102g	205	m.closet	D1	wood	stain	2'-8"	8'-0"	1 3/4"
upper finish	102h	213	laundry	D5	MDF	paint	3'-0"	8'-0"	1 3/4"
upper finish	102i	202	m.bed	D1	wood	stain	3'-6"	8'-0"	1 3/4"
upper finish	202a	101	entry	D1	wood	stain	3'-6"	8'-0"	1 3/4"
upper finish	204a	204	m. w.c.	D1	wood	stain	2'-8"	8'-0"	1 3/4"
upper finish	206a	206	sabrina's bed	D1	wood	stain	3'-0"	8'-0"	1 3/4"
upper finish	206b	206	sabrina's bed	D1	wood	stain	3'-0"	8'-0"	1 3/4"
upper finish	207a	207	bath	D1	MDF	paint	2'-10"	8'-0"	1 3/4"
upper finish	208a	208	w.i.c.	D1	MDF	paint	2'-10"	8'-0"	1 3/4"
upper finish	209a	209	audrey's bed	D1	wood	stain	3'-0"	8'-0"	1 3/4"
upper finish	210a	210	bath	D1	MDF	paint	2'-10"	8'-0"	1 3/4"
upper finish	211a	209	audrey's bed	D1	wood	stain	2'-10"	8'-0"	1 3/4"
upper finish	212b	201	hall	D1	wood	stain	2'-8"	8'-0"	1 3/4"
upper finish	213a	213	laundry	D1	wood	stain	3'-0"	8'-0"	1 3/4"
upper finish	215a	213	laundry	D5	MDF	paint	2'-10"	8'-0"	1 3/4"
upper finish	216a	216	mech	D5	MDF	paint	3'-0"	8'-0"	1 3/4"

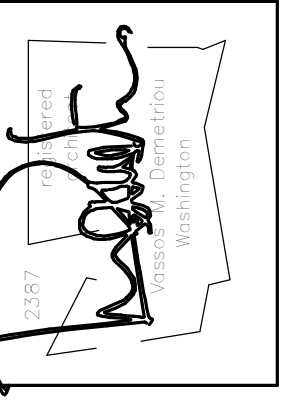
garage door types



garage door schedule									
Level	room	type	material	finish	actual width	actual height	thickness	Comments	
motorcourt									
motorcourt	117a	117	garage	G1			18'-0"	8'-0"	2"



1 entry storefront assembly
3/8" = 1'-0"



No.	Revision Date	Description

Drawn by: JAS
 Scale: 1/8" = 1'-0"
 Date: 02/15/18
 Project: building permit

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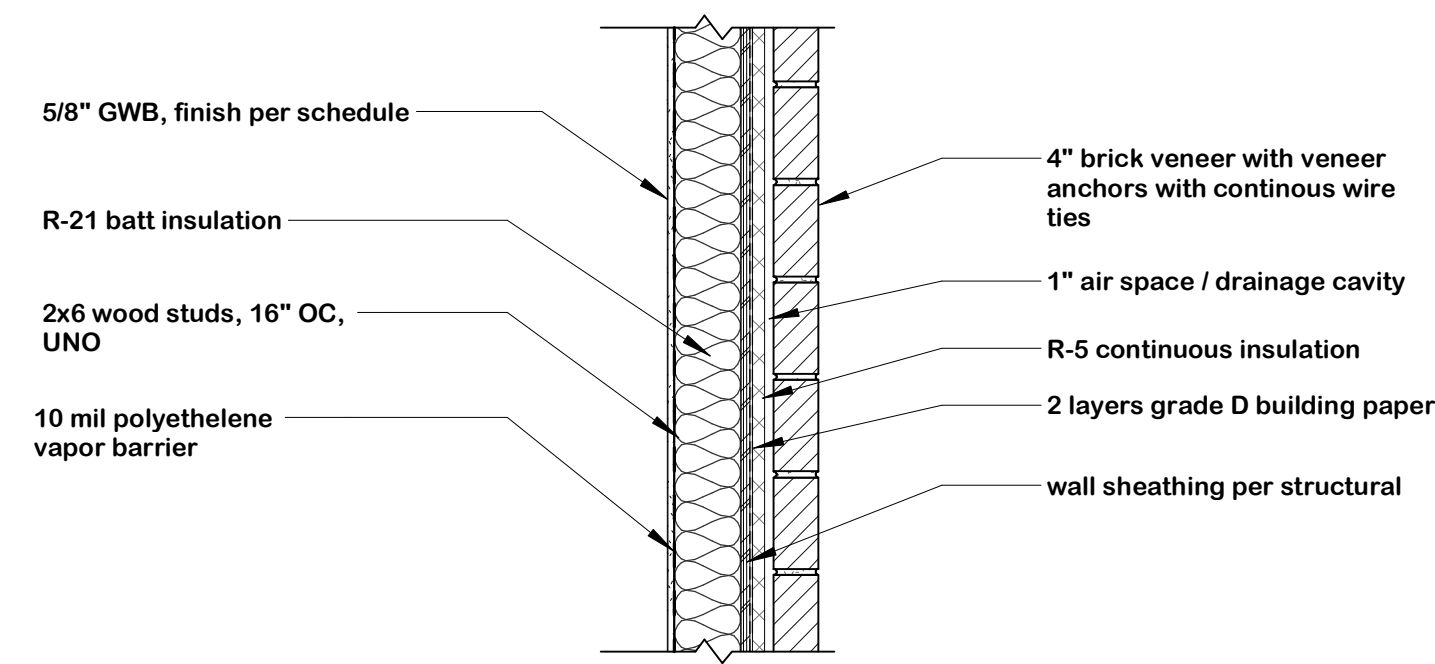
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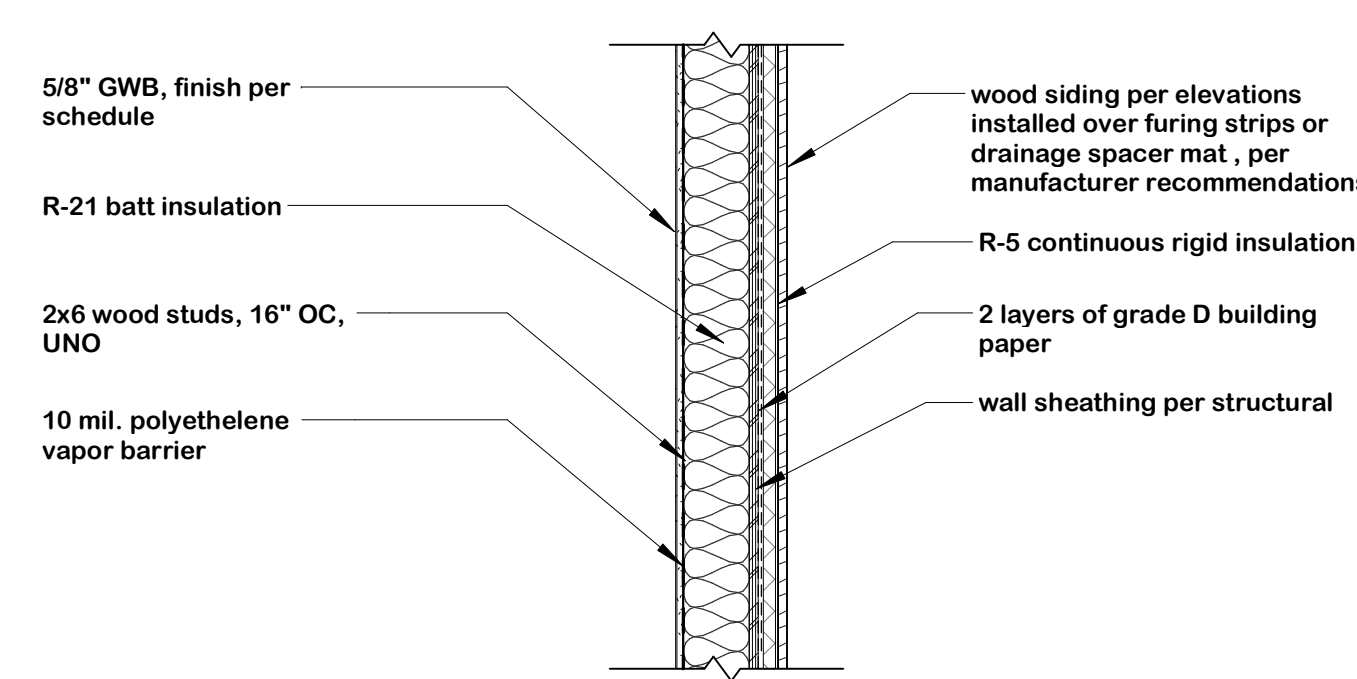
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project:
503.01

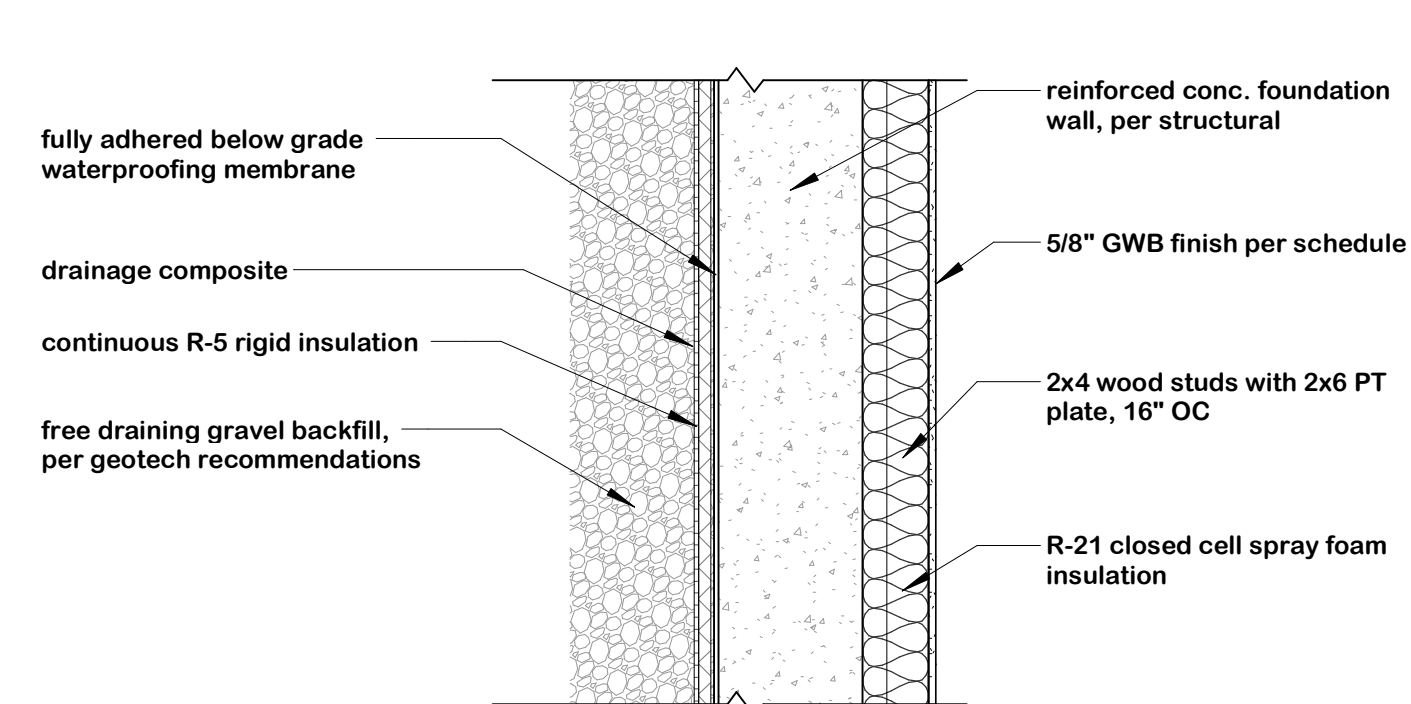
Sheet:
A11.1



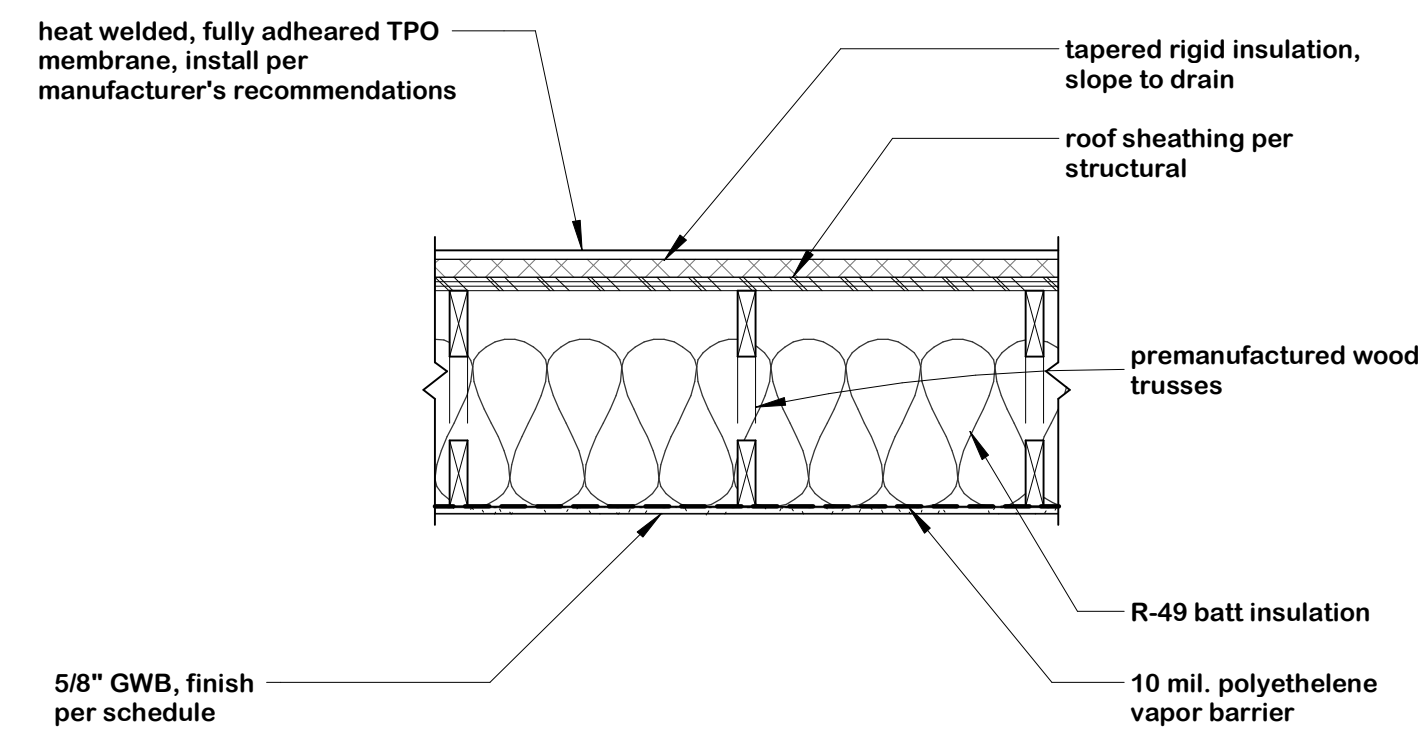
18 exterior brick veneer wall
3/4" = 1'-0"



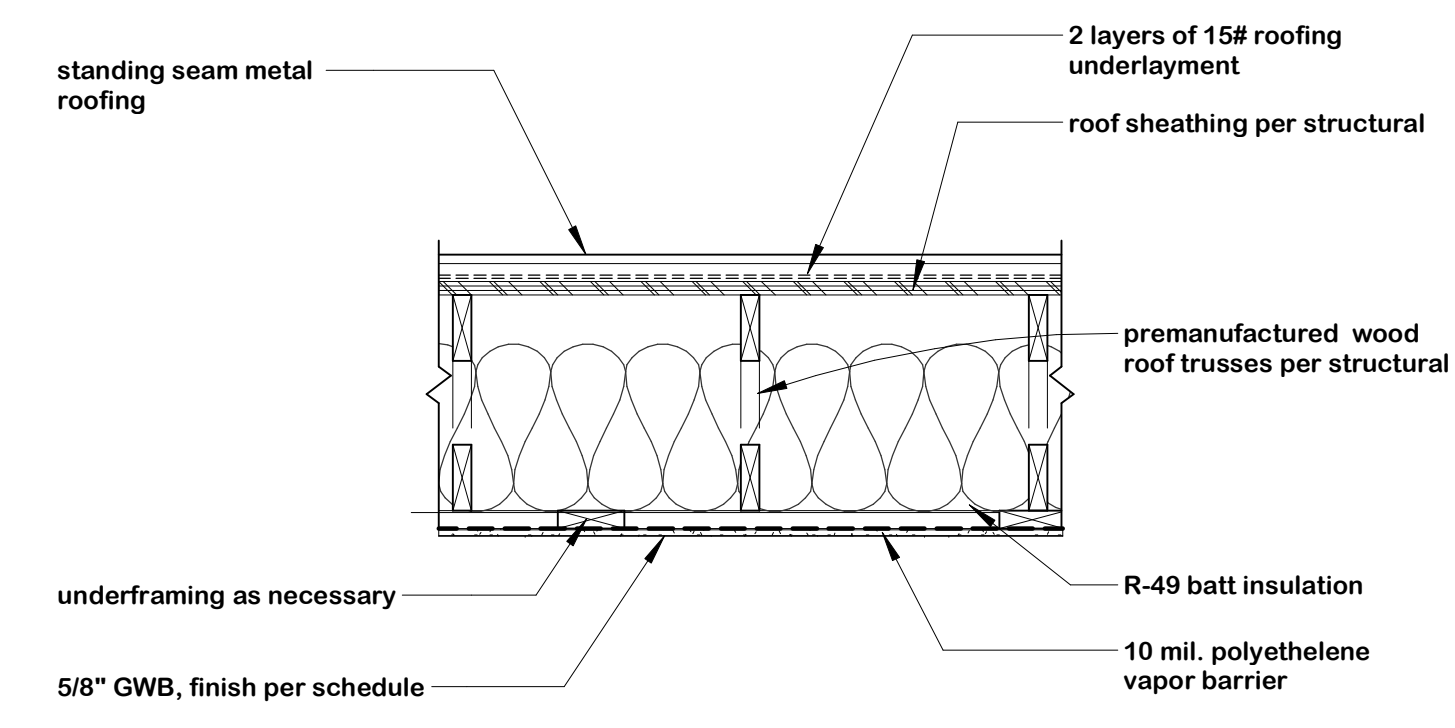
17 exterior shingle wall
3/4" = 1'-0"



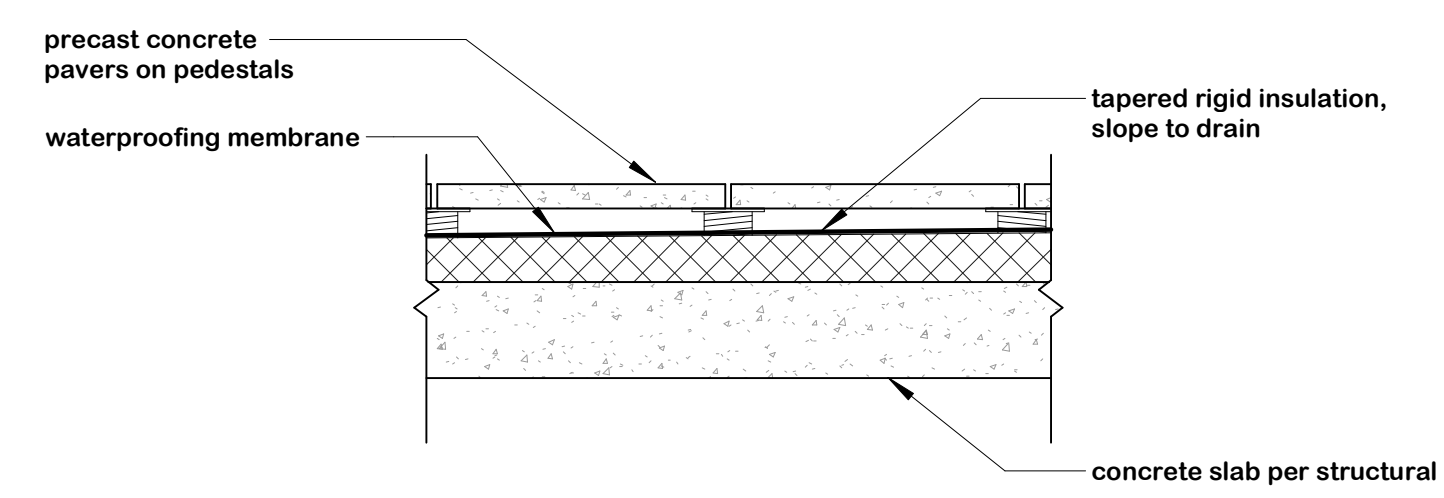
16 insulated below grade wall
3/4" = 1'-0"



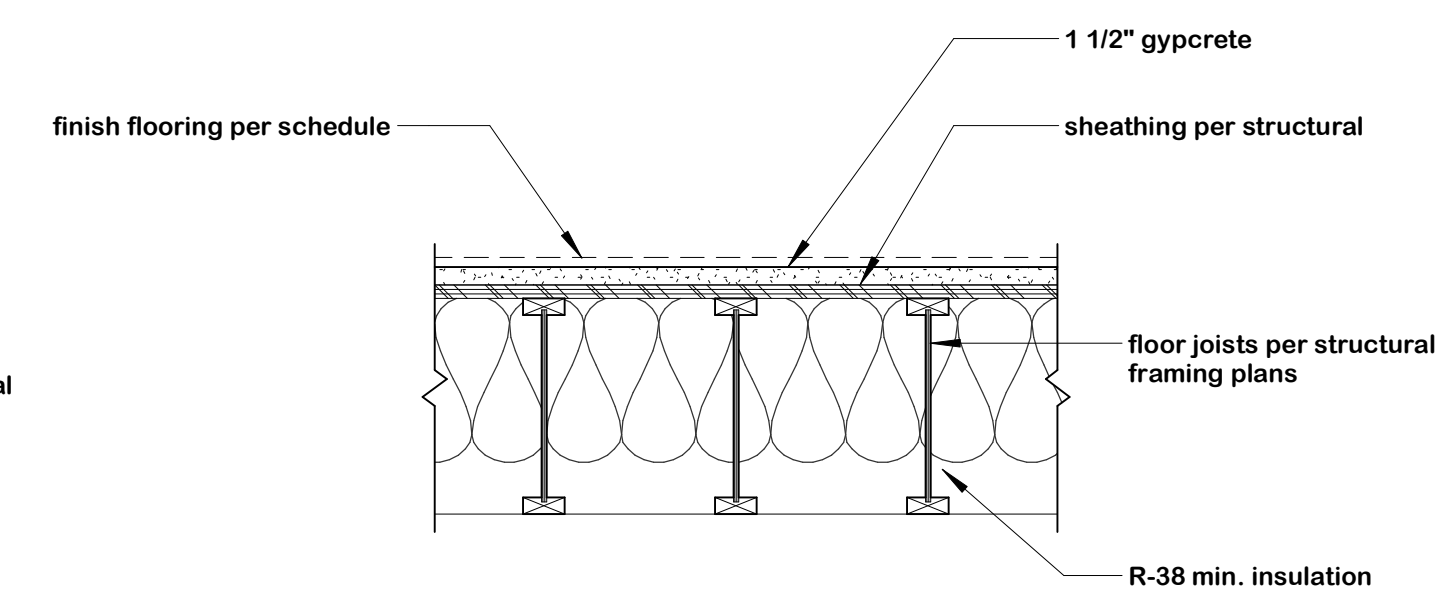
12 low slope roof
3/4" = 1'-0"



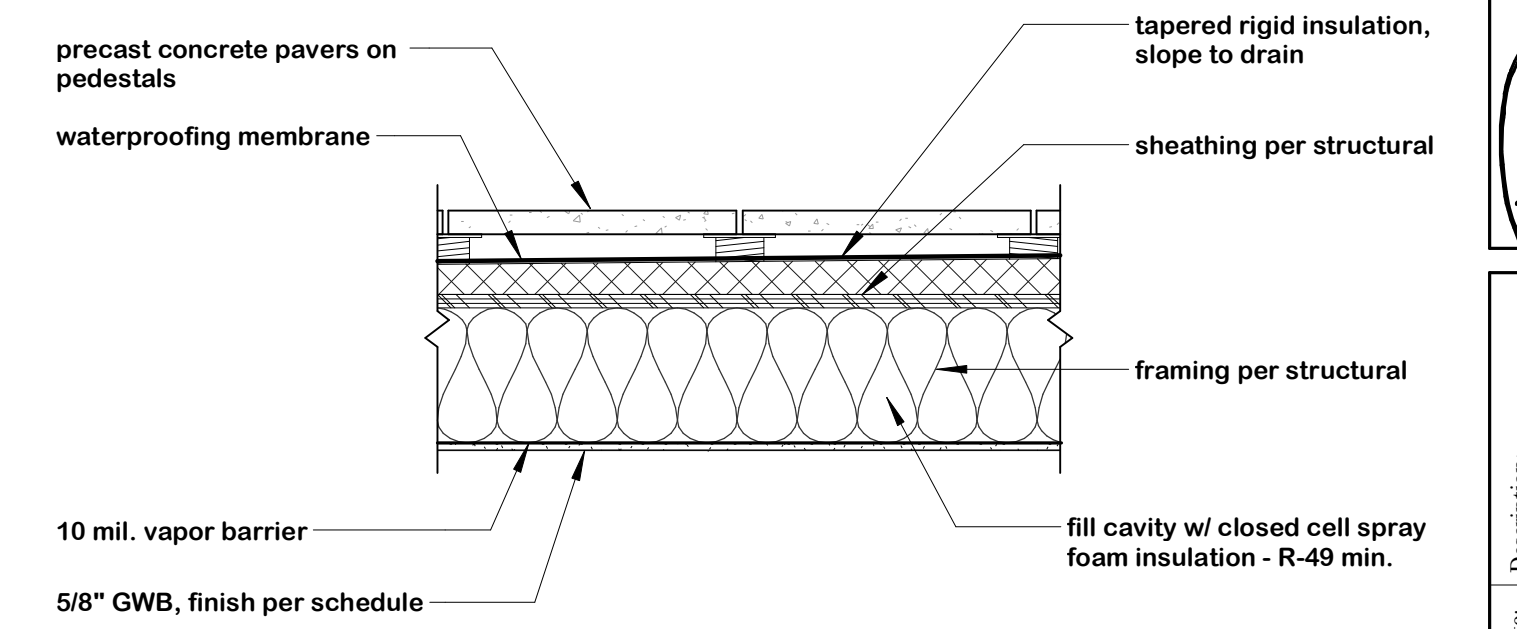
11 metal roof
3/4" = 1'-0"



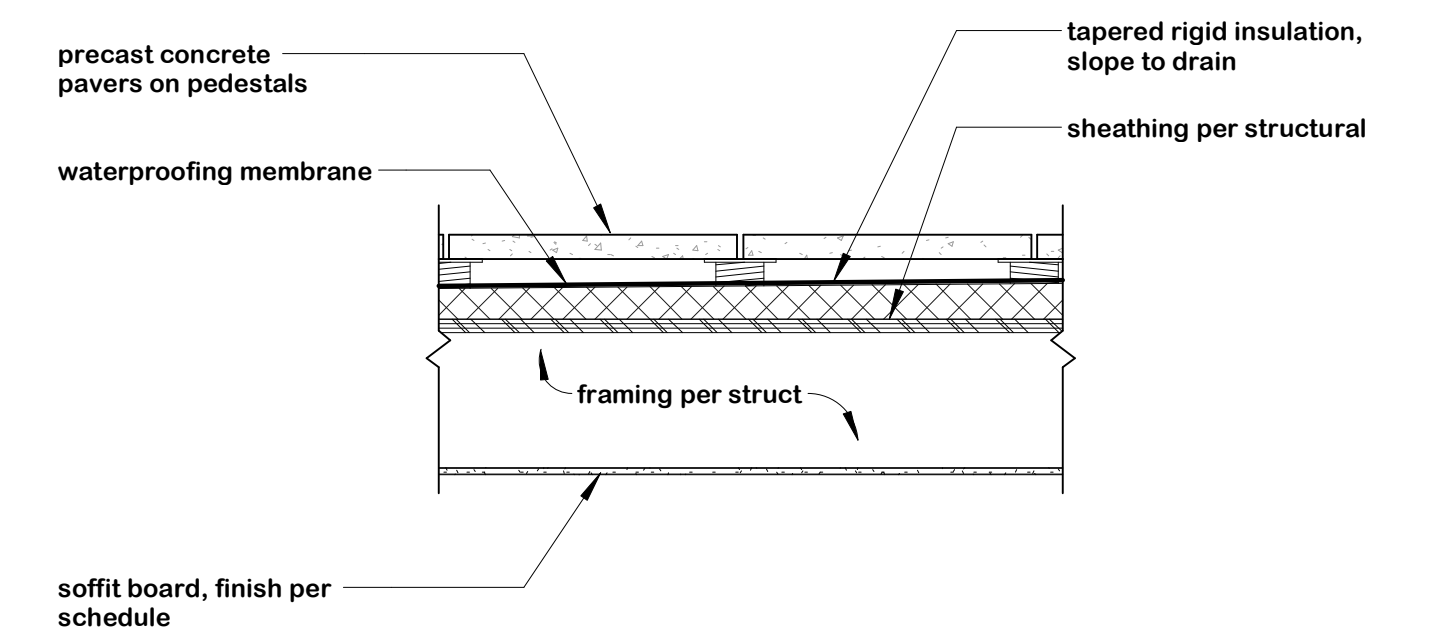
7 pavers over structural slab
3/4" = 1'-0"



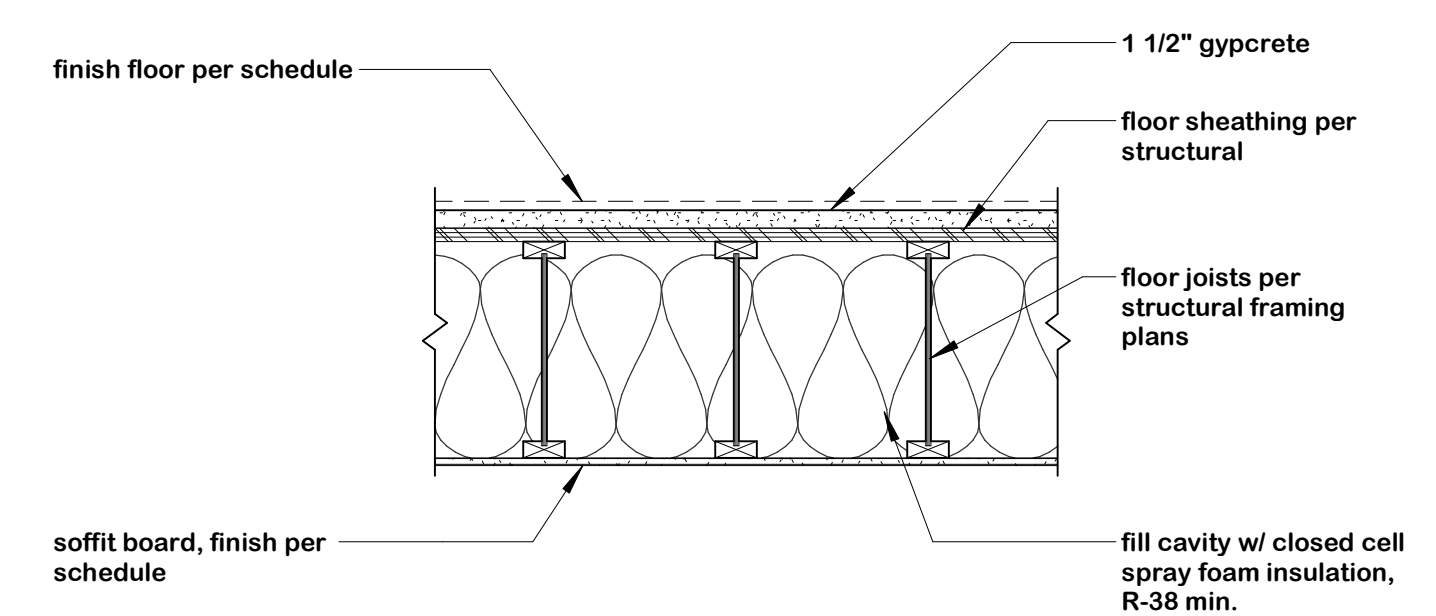
6 floor above crawlspace
3/4" = 1'-0"



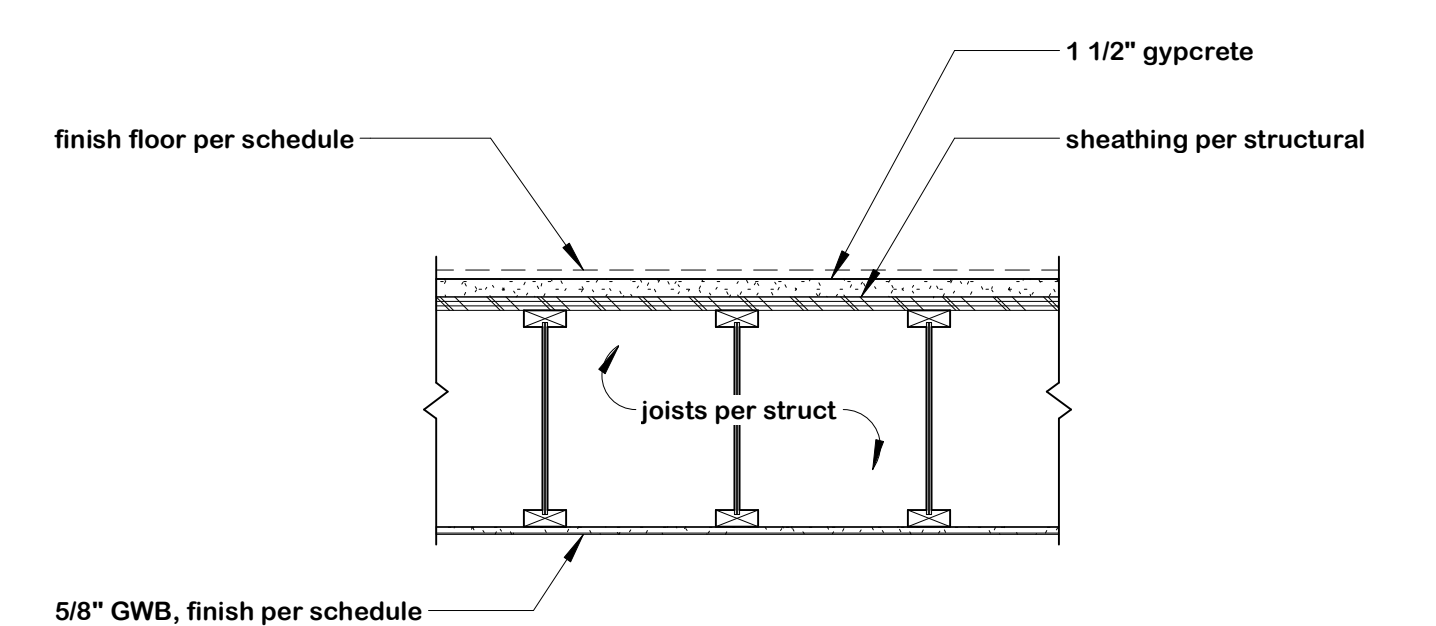
5 deck over living
3/4" = 1'-0"



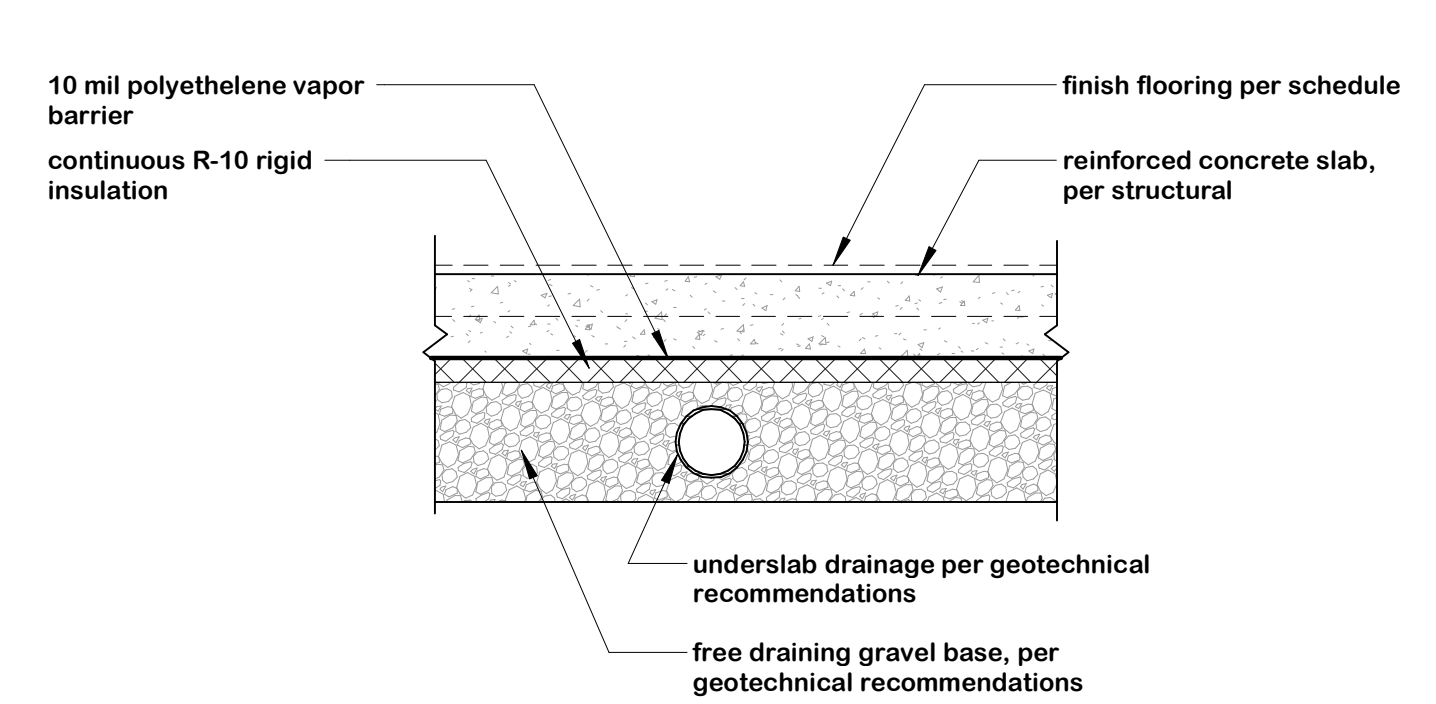
4 typical deck
3/4" = 1'-0"



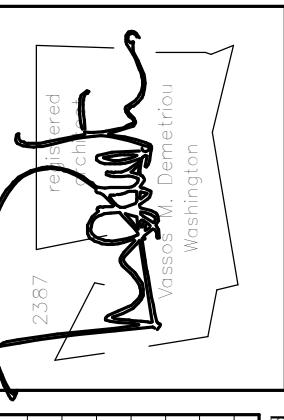
3 cantilevered floor
3/4" = 1'-0"



2 typical interior floor
3/4" = 1'-0"



1 slab on grade
3/4" = 1'-0"

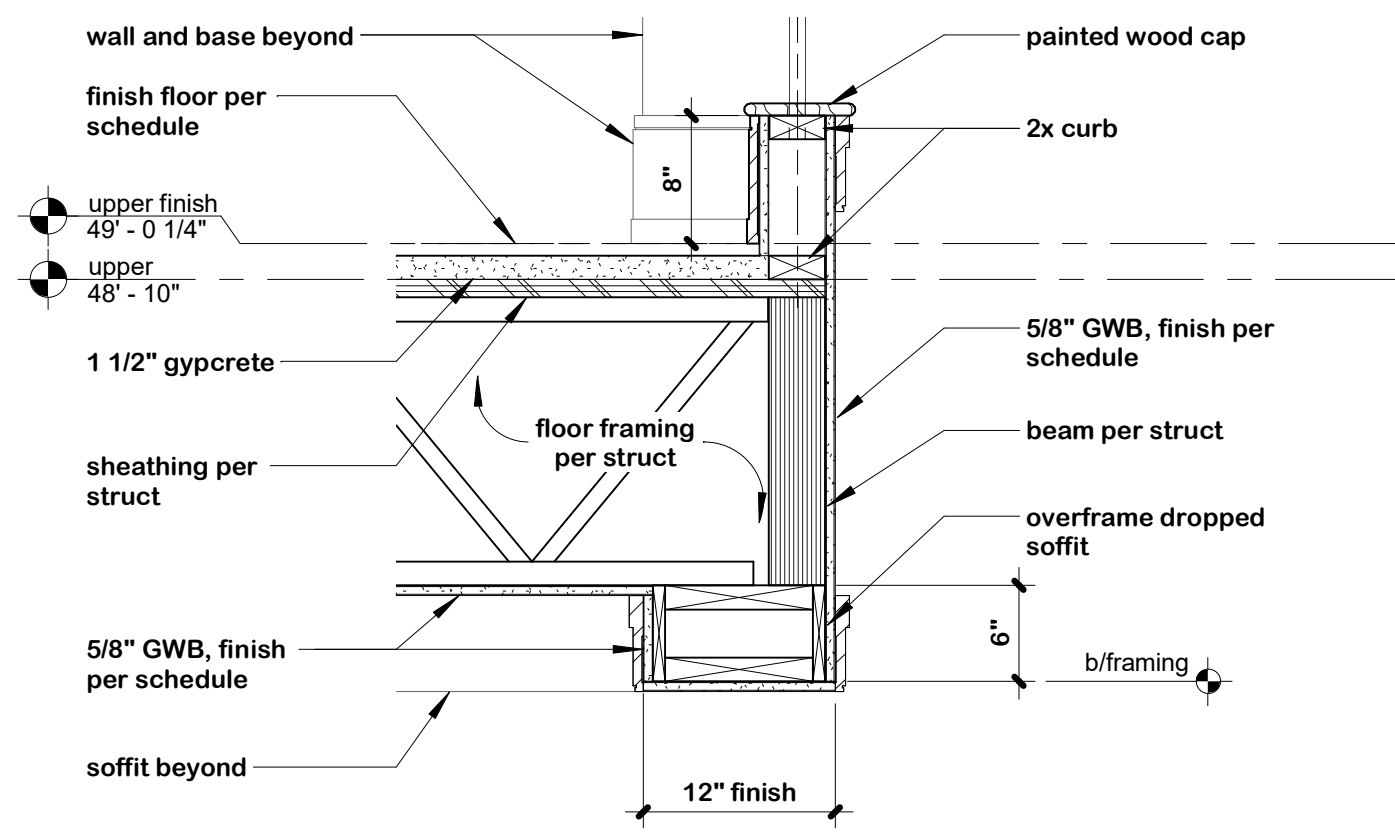


No.	Revision Date	Description

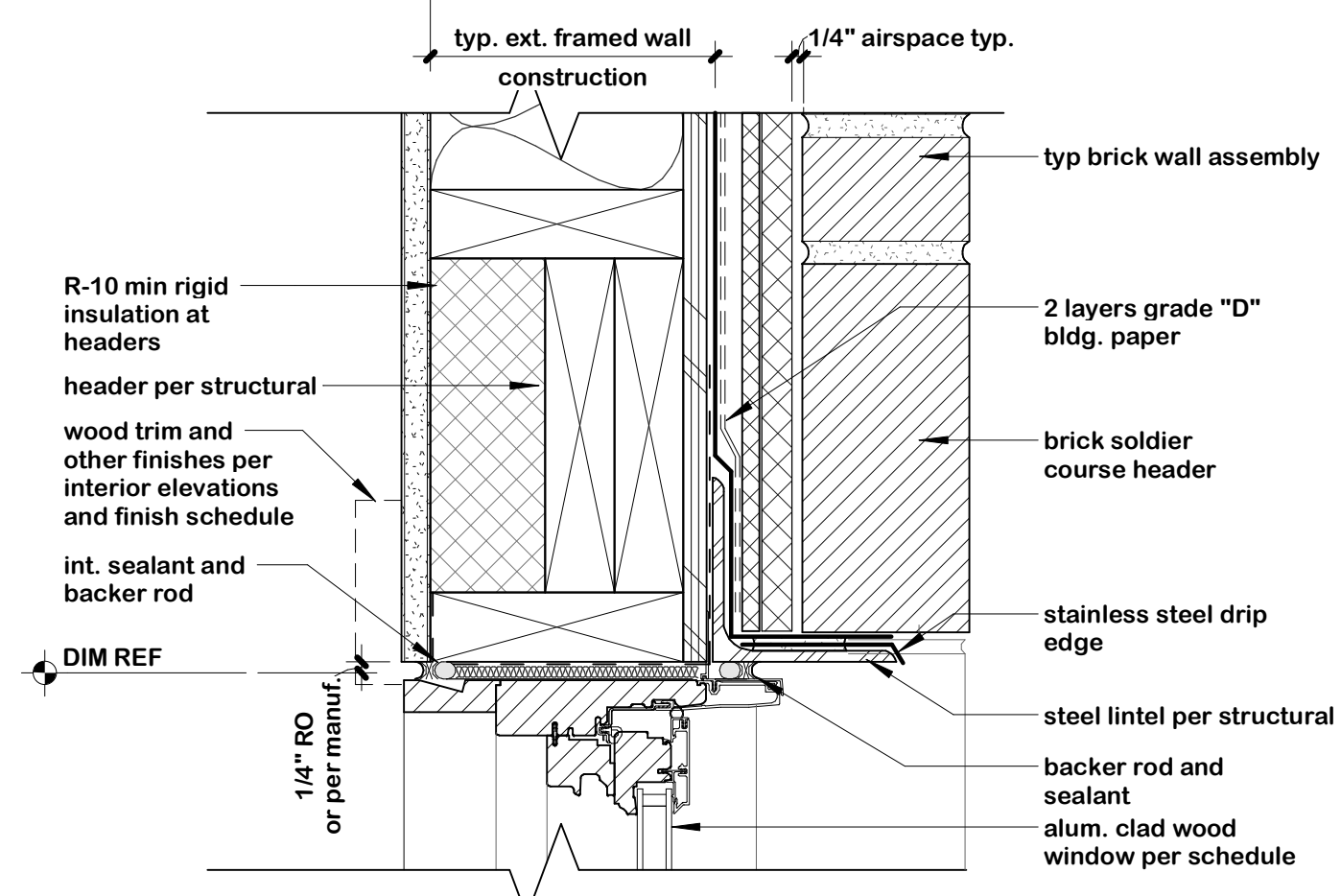
Drawn by: JAS
 Scale: 3/4" = 1'-0"
 Date: 02/15/18
 Project: building permit
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Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

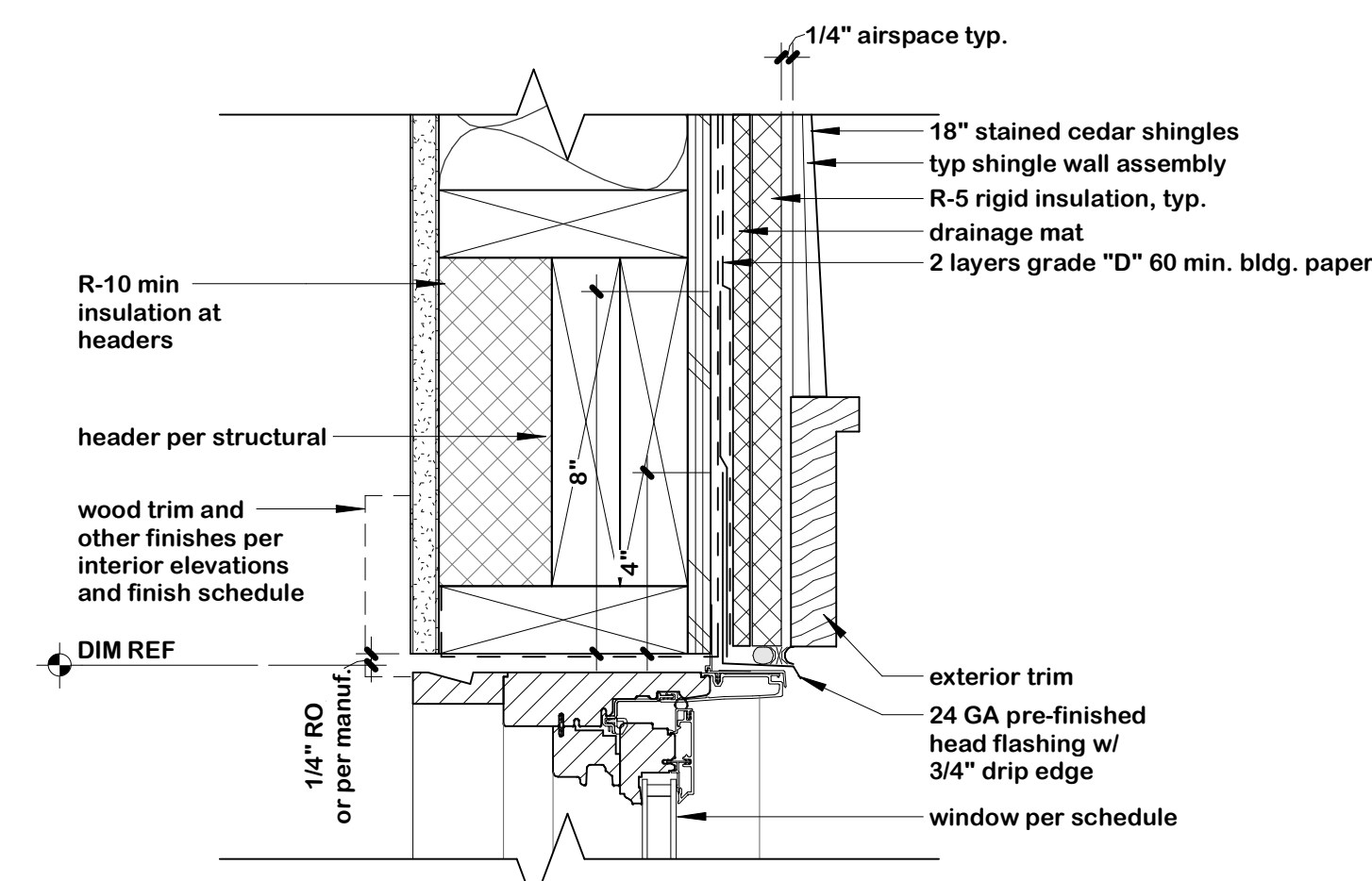
Project: 503.01
 Sheet Title: assemblies
 Drawing Code: 344-1-07
A12.0



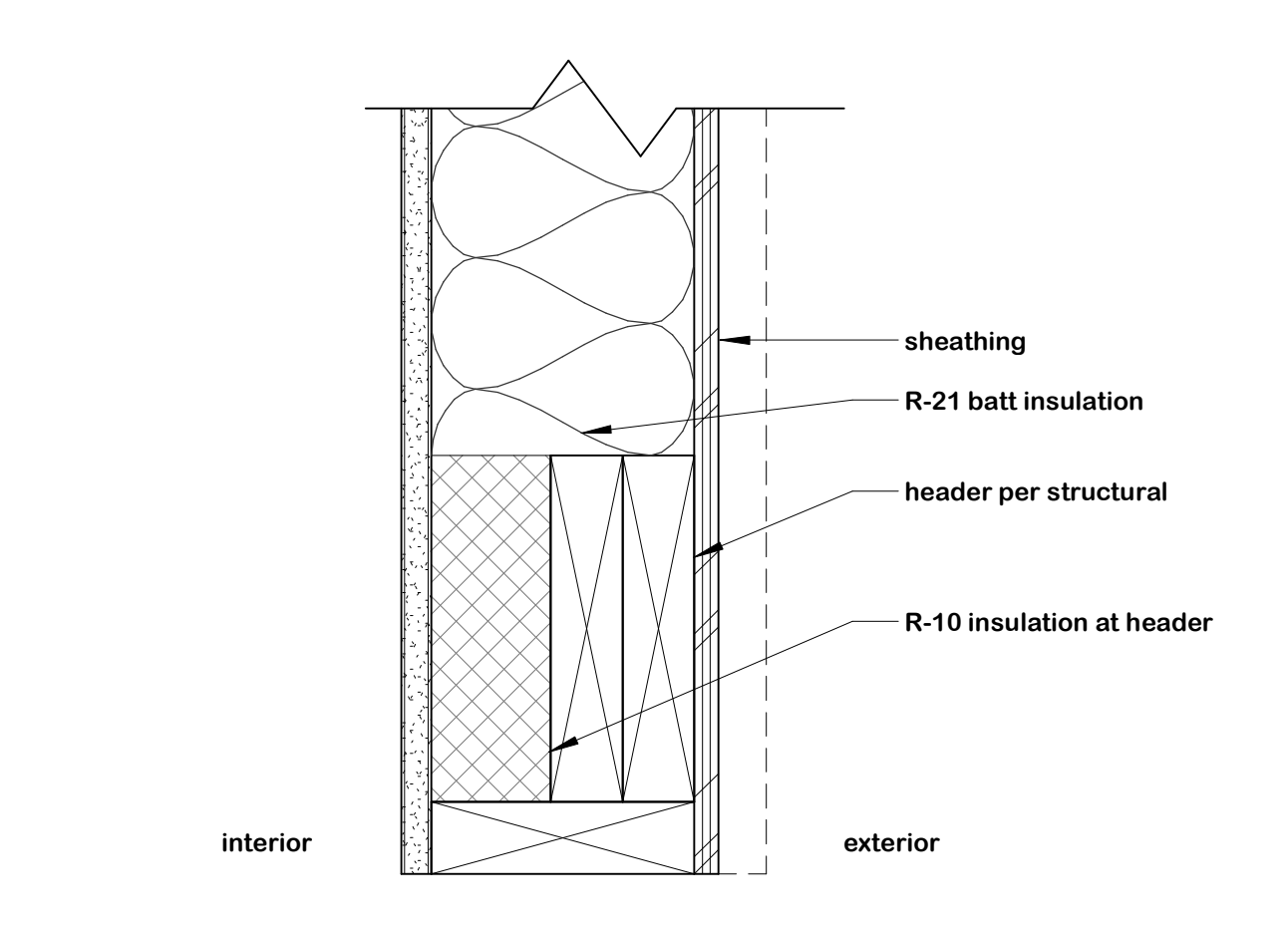
20 bridge edge detail
1" = 1'-0"



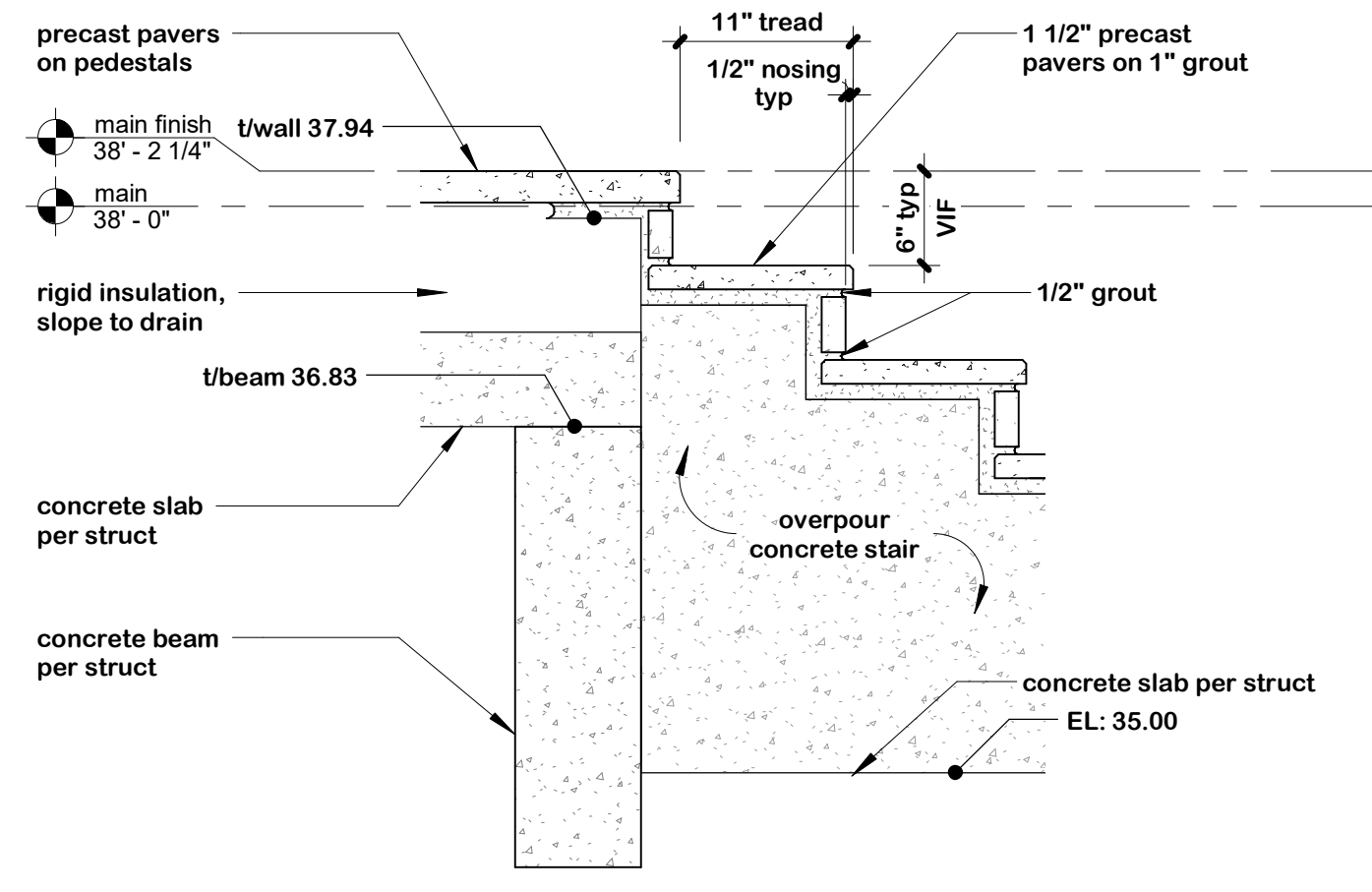
15 window head @ brick
3" = 1'-0"



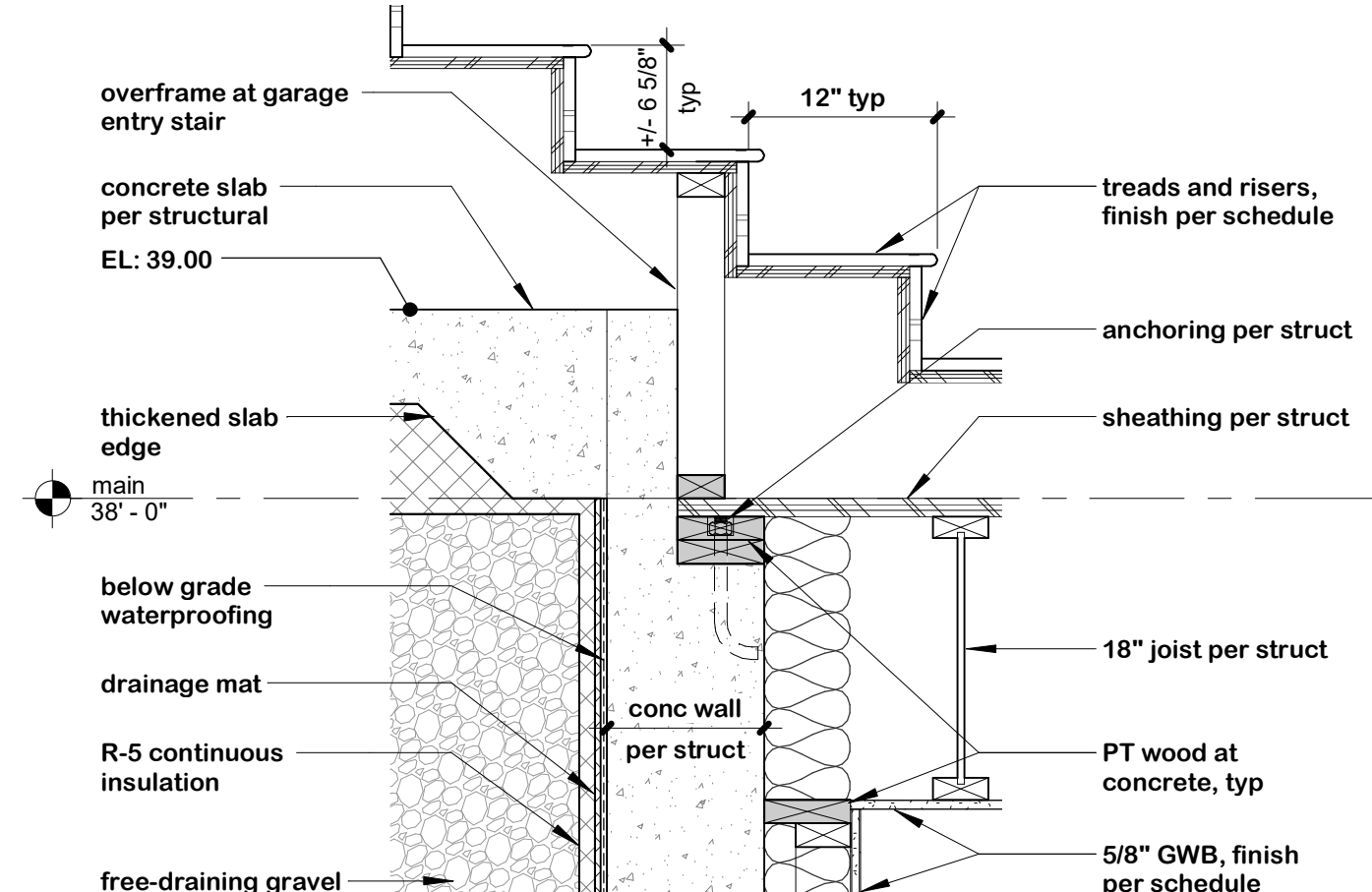
10 window head @ shingles
3" = 1'-0"



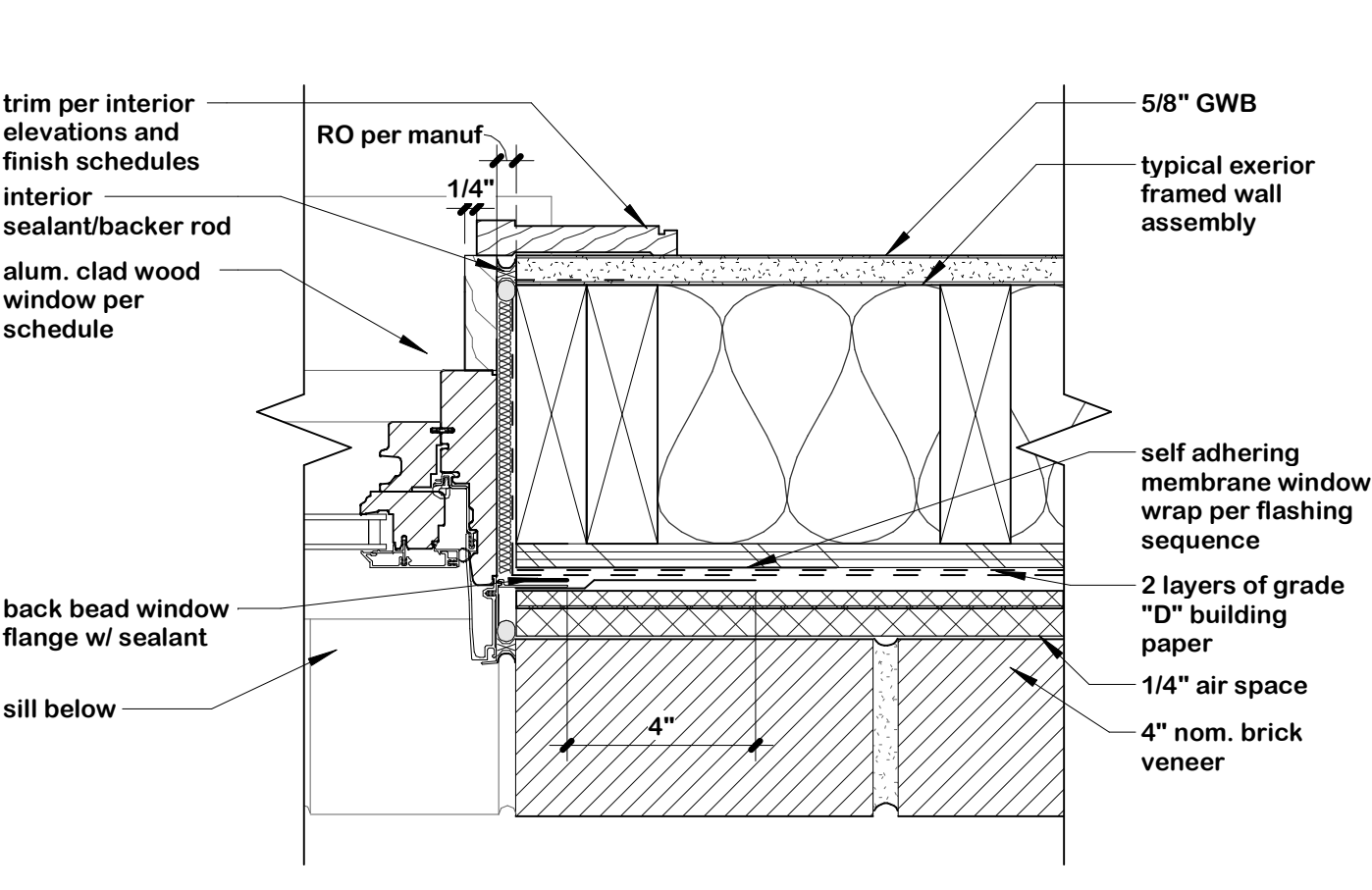
5 header framing stacked
3" = 1'-0"



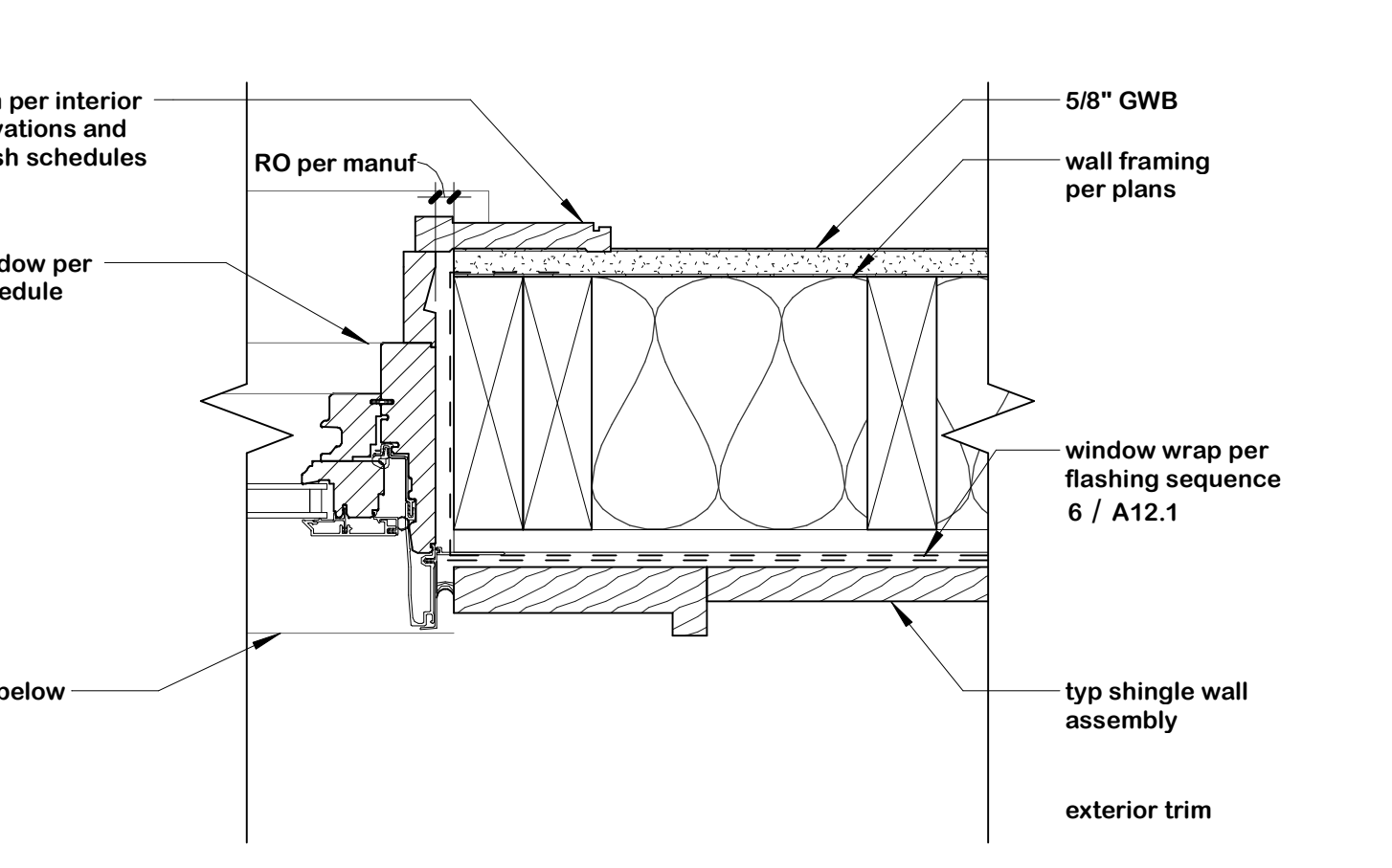
24 precast stair @ terrace
1" = 1'-0"



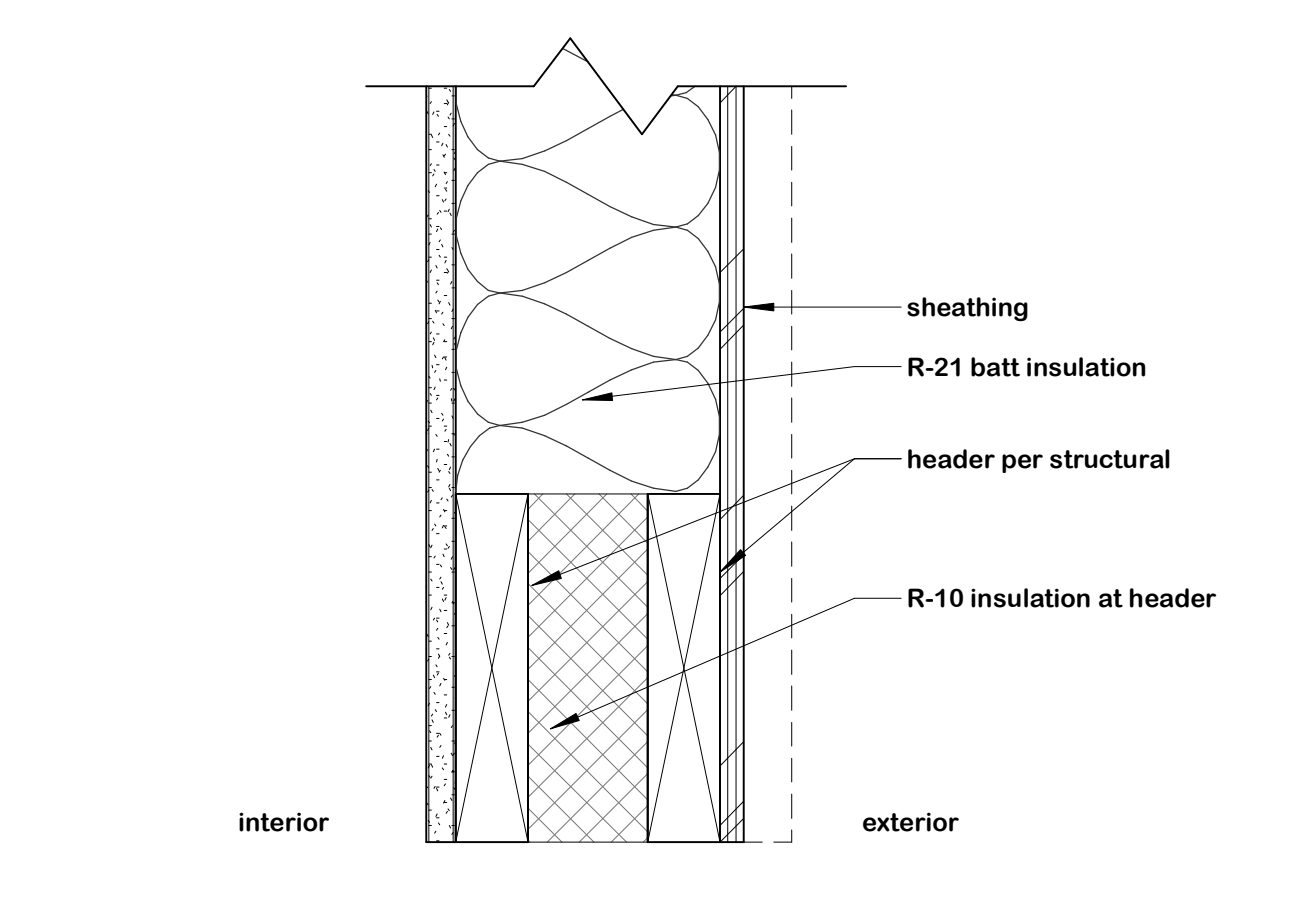
19 slab transition @ garage entry
1" = 1'-0"



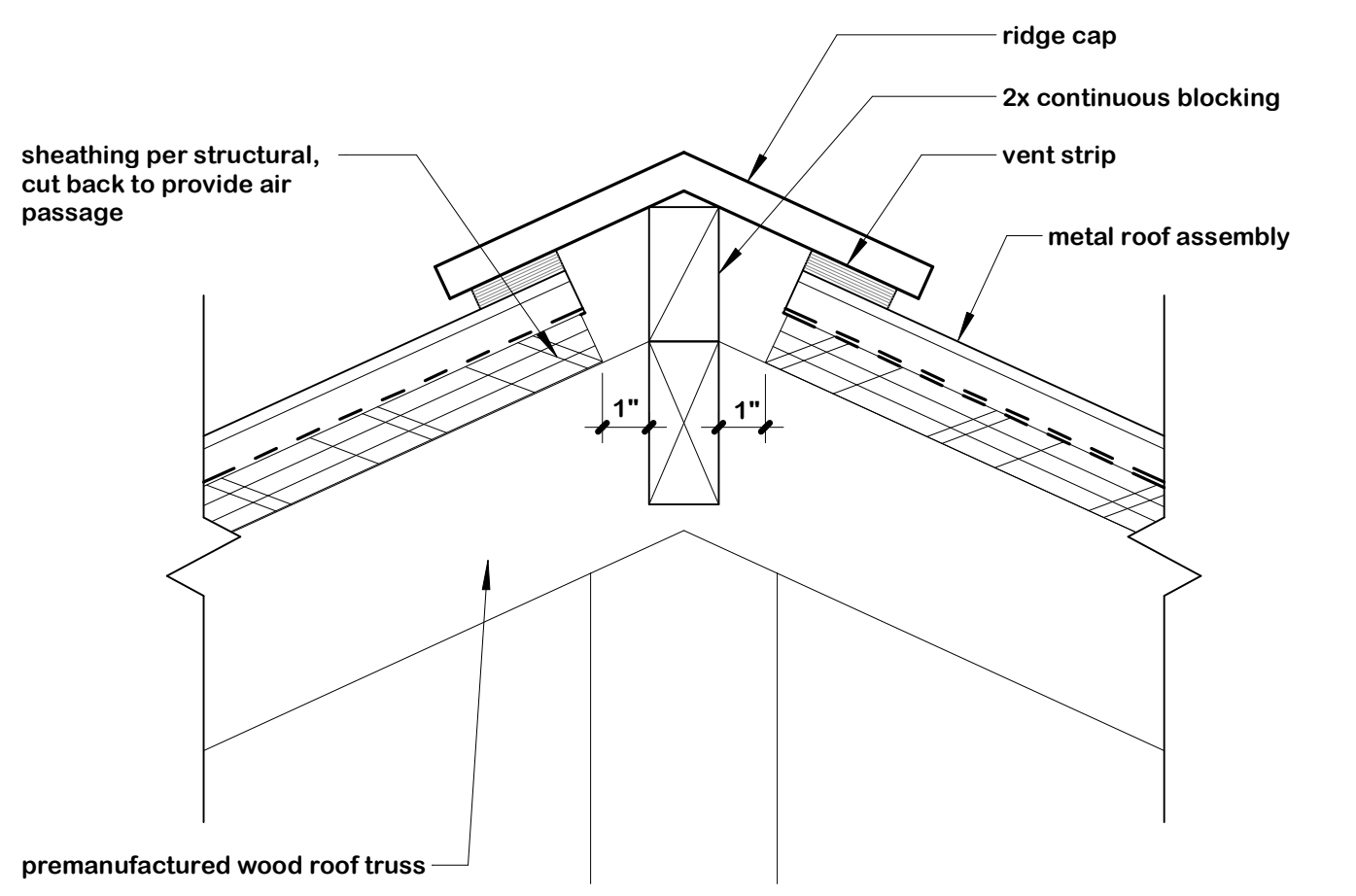
14 window jamb @ brick
3" = 1'-0"



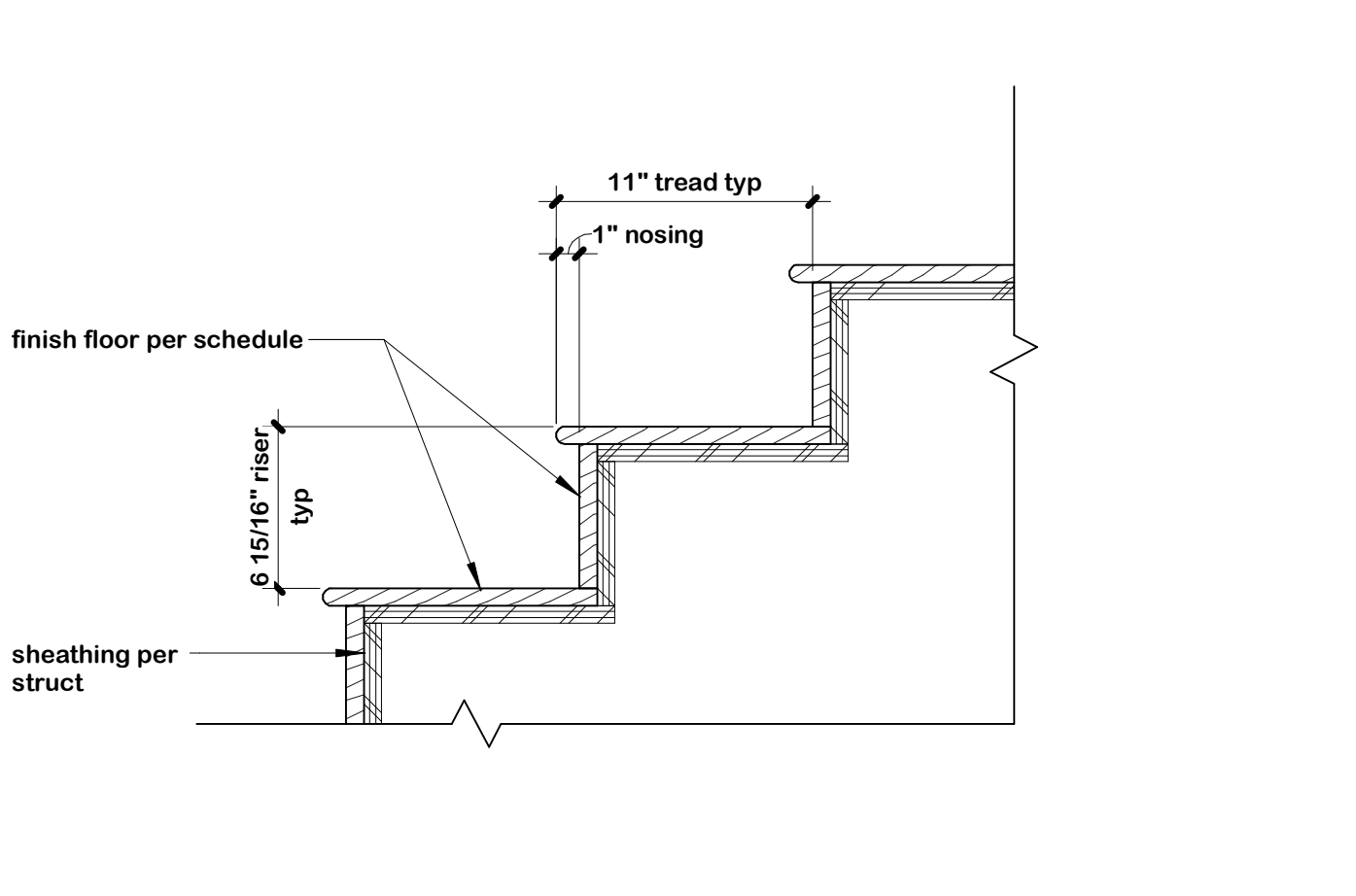
9 window jamb @ shingles
3" = 1'-0"



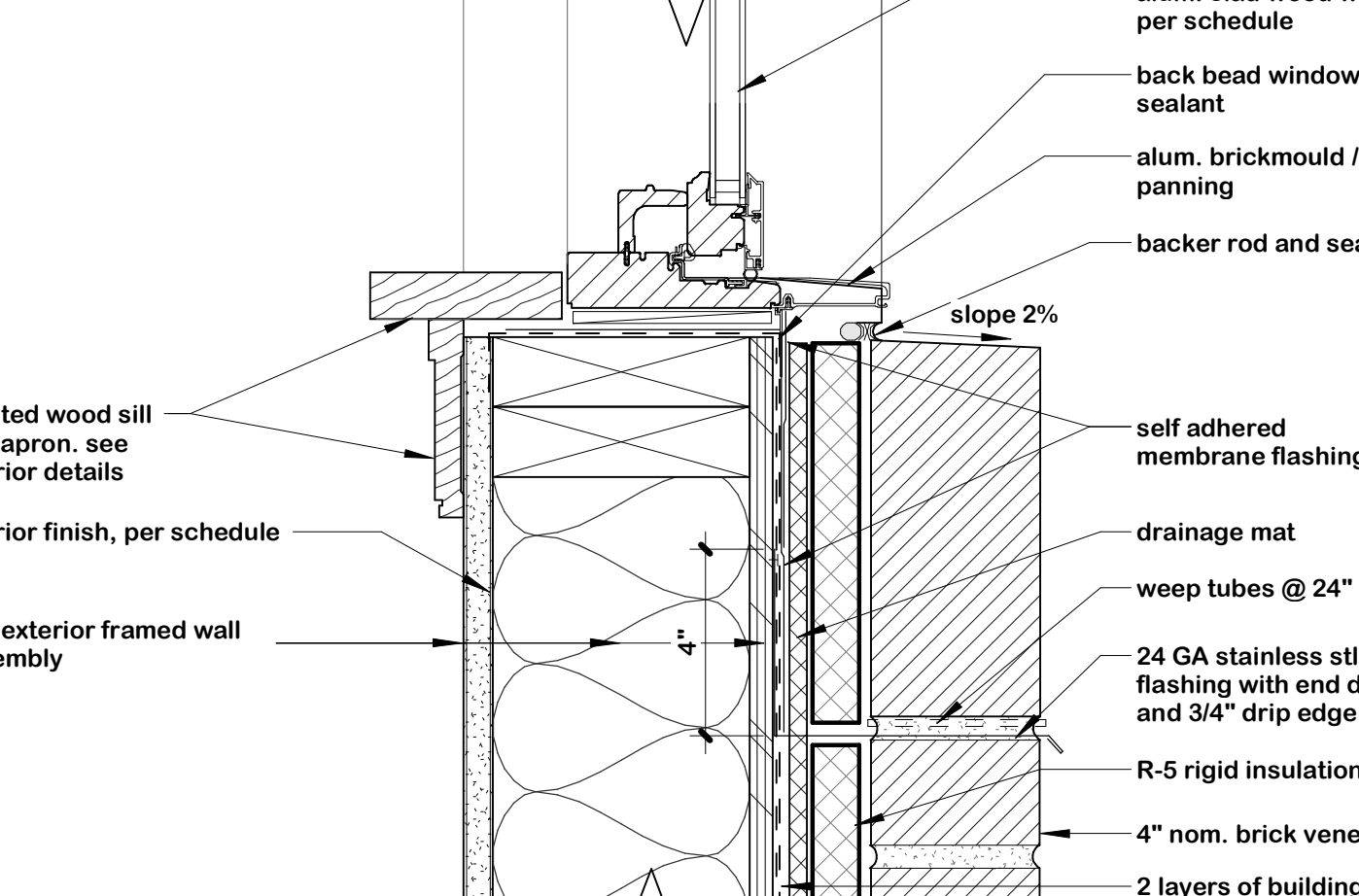
4 header framing
3" = 1'-0"



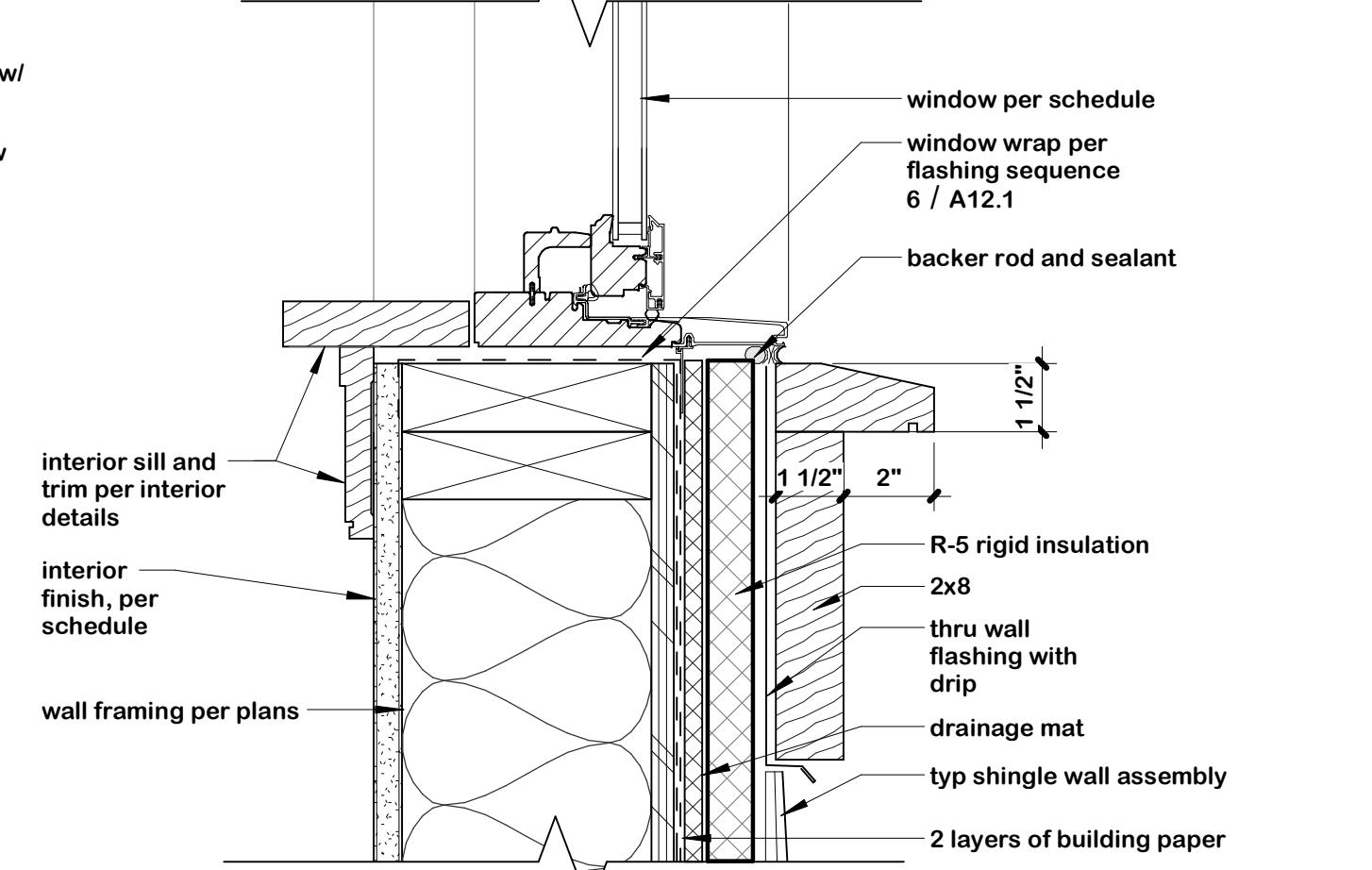
23 typical vented roof ridge
3" = 1'-0"



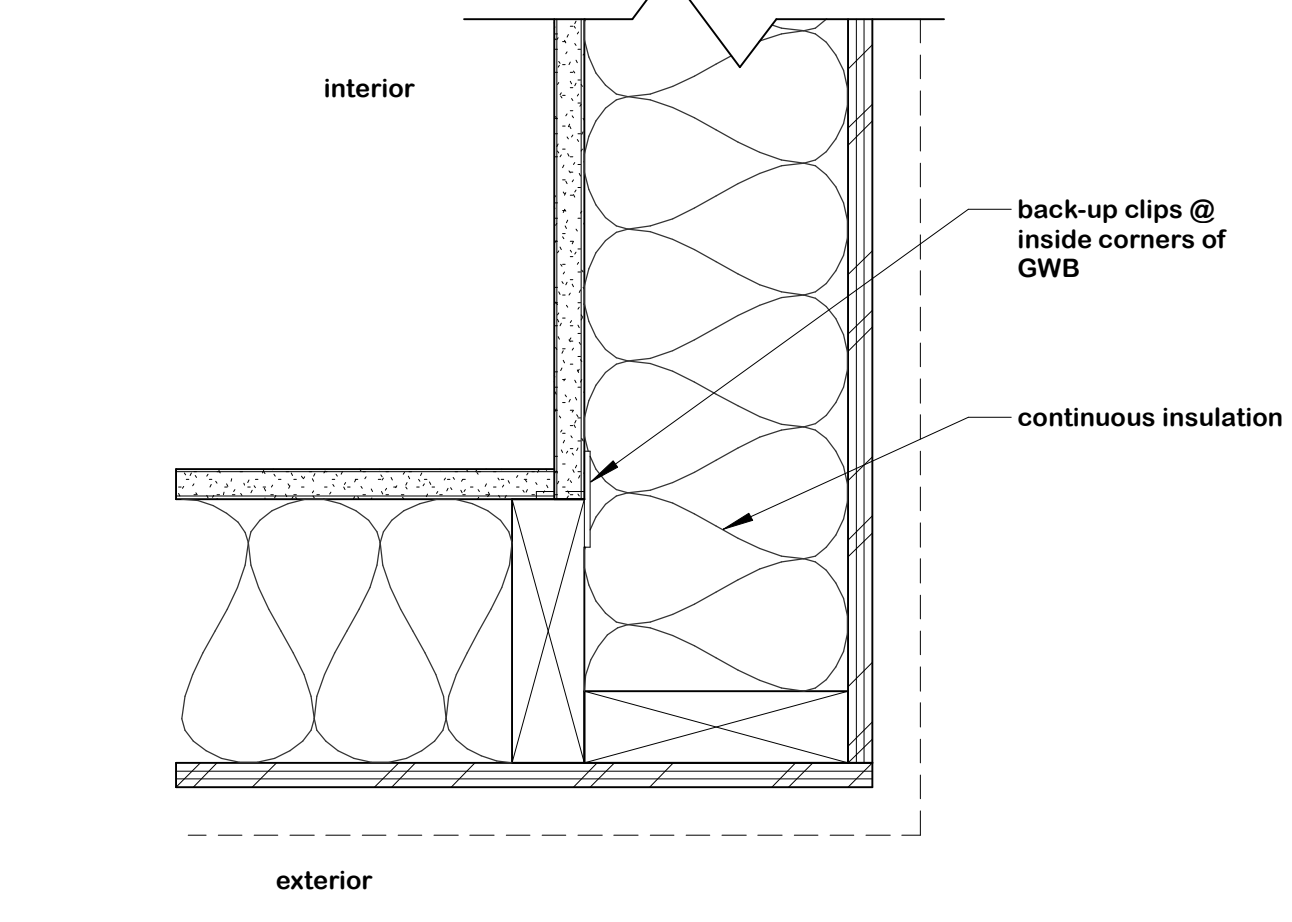
18 stair and riser
1 1/2" = 1'-0"



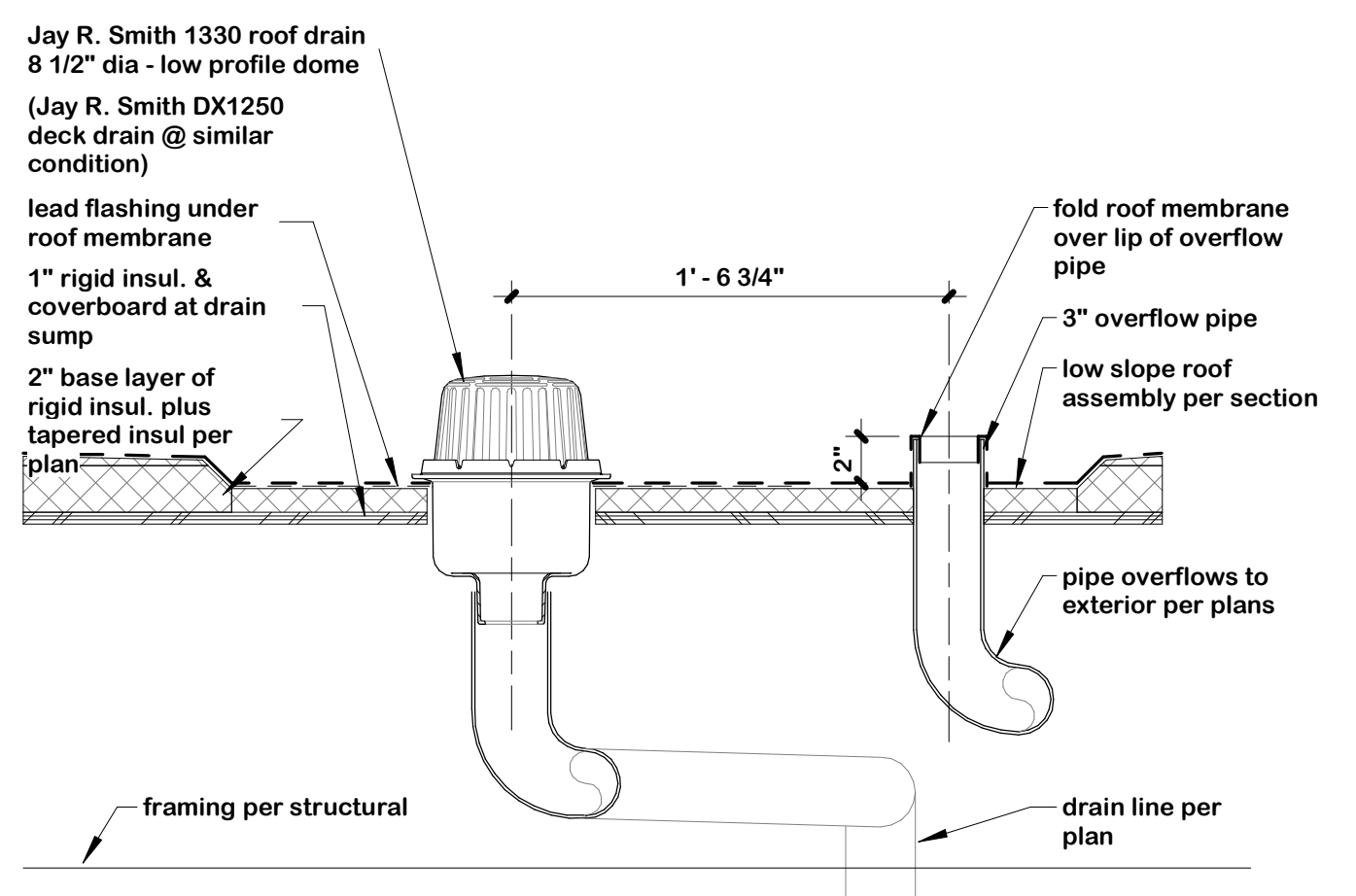
13 window sill @ brick
3" = 1'-0"



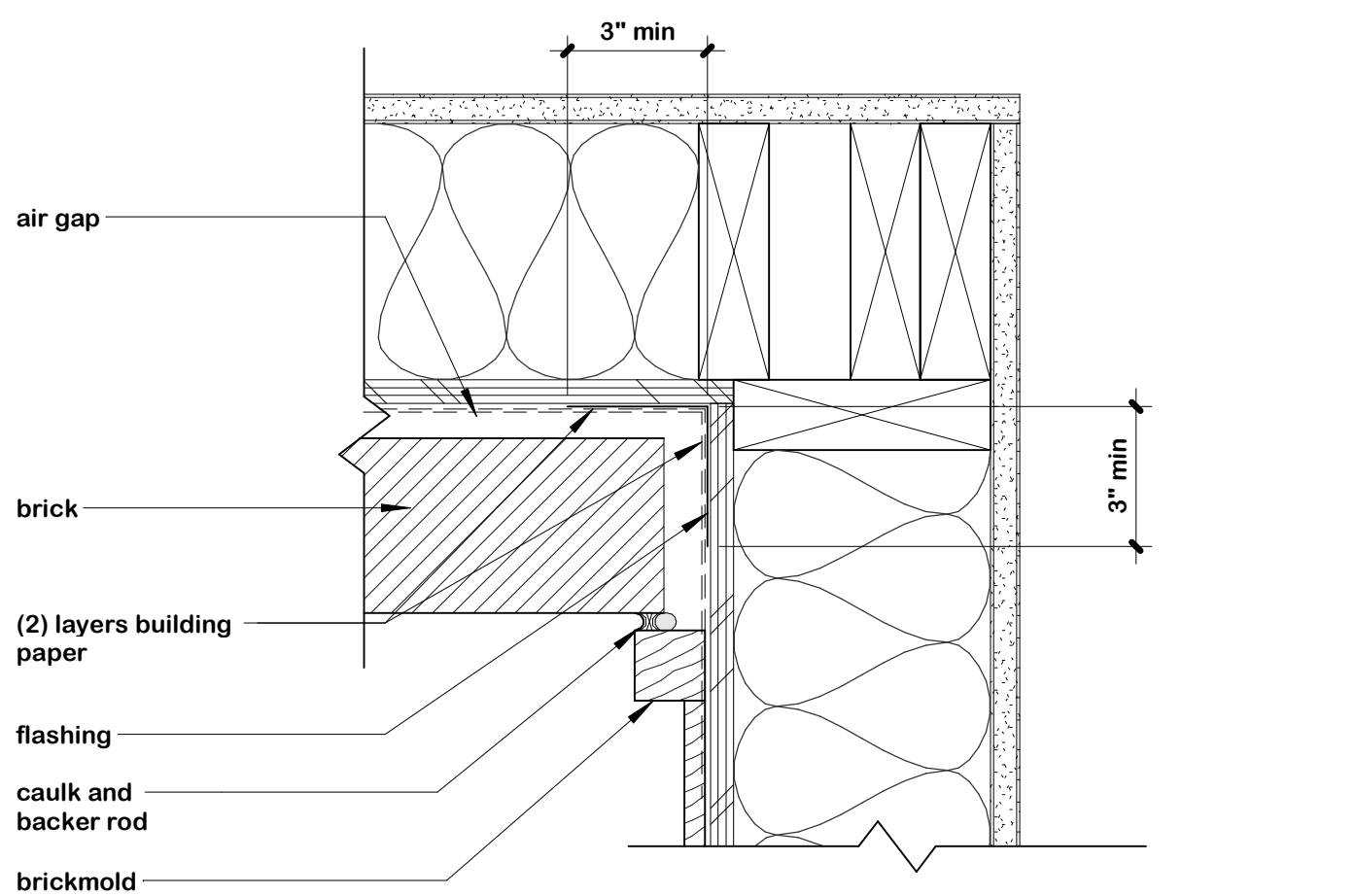
8 window sill @ shingles
3" = 1'-0"



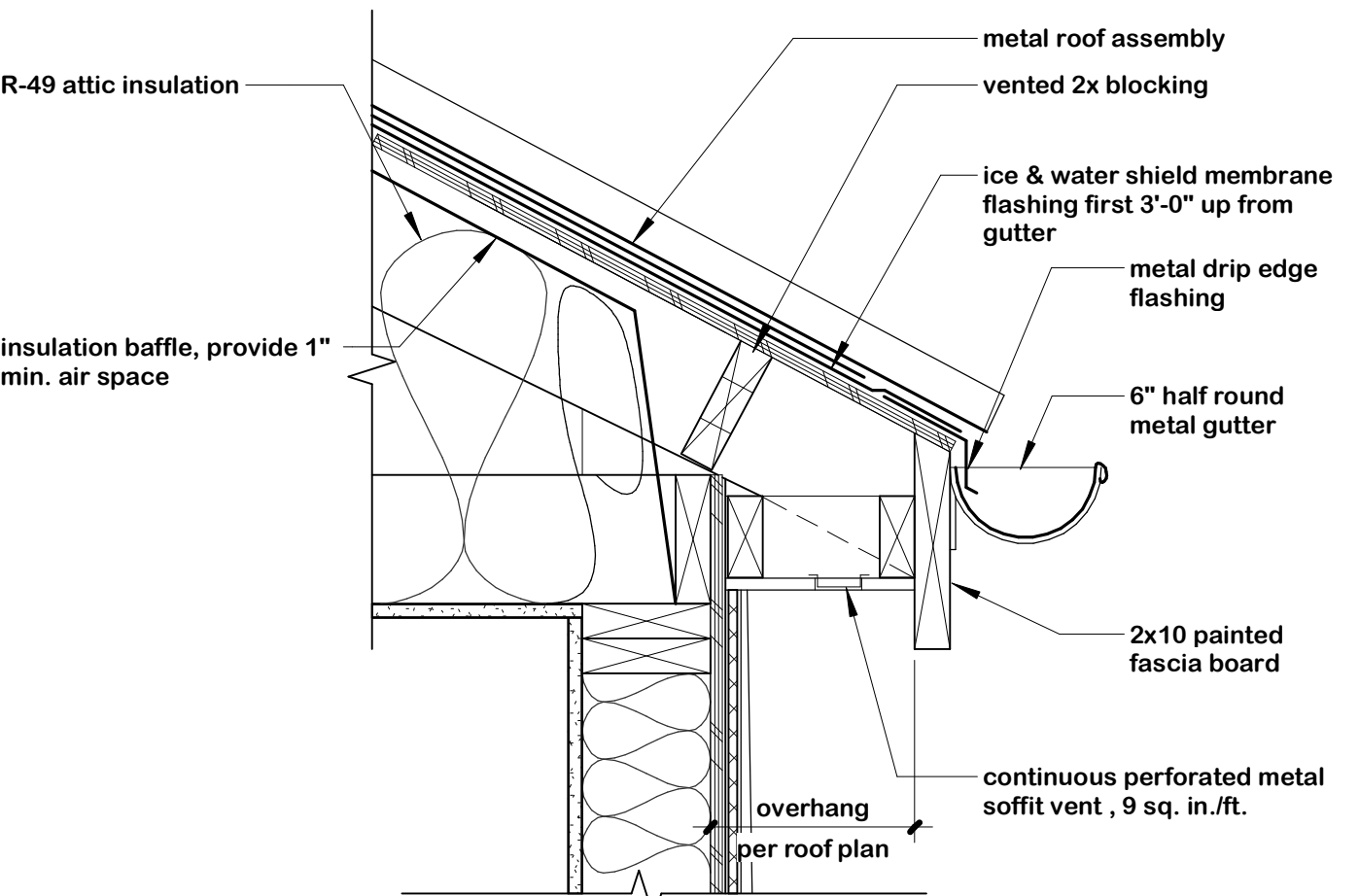
3 framing corner @ exterior wall
3" = 1'-0"



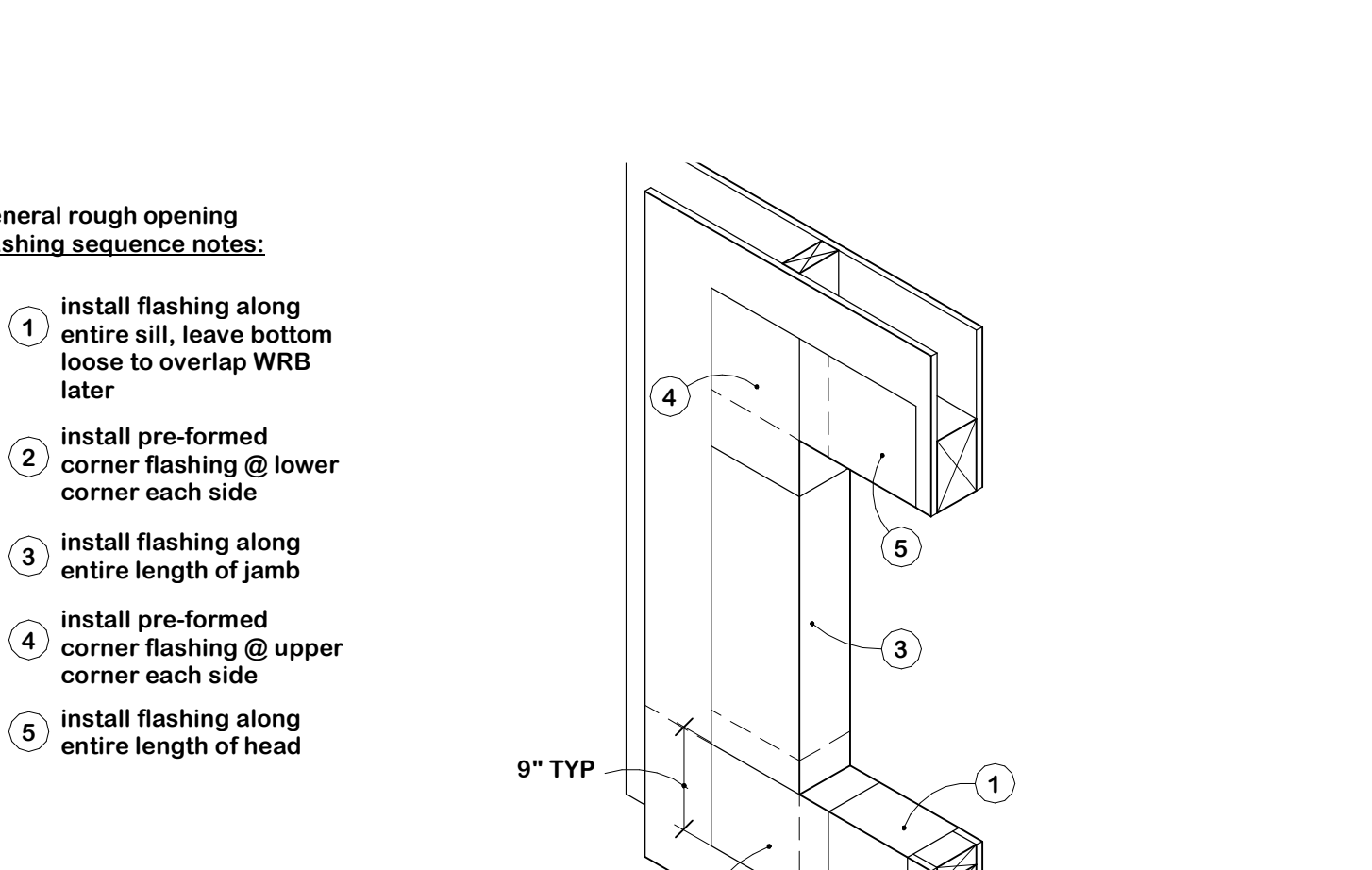
22 roof drain
1 1/2" = 1'-0"



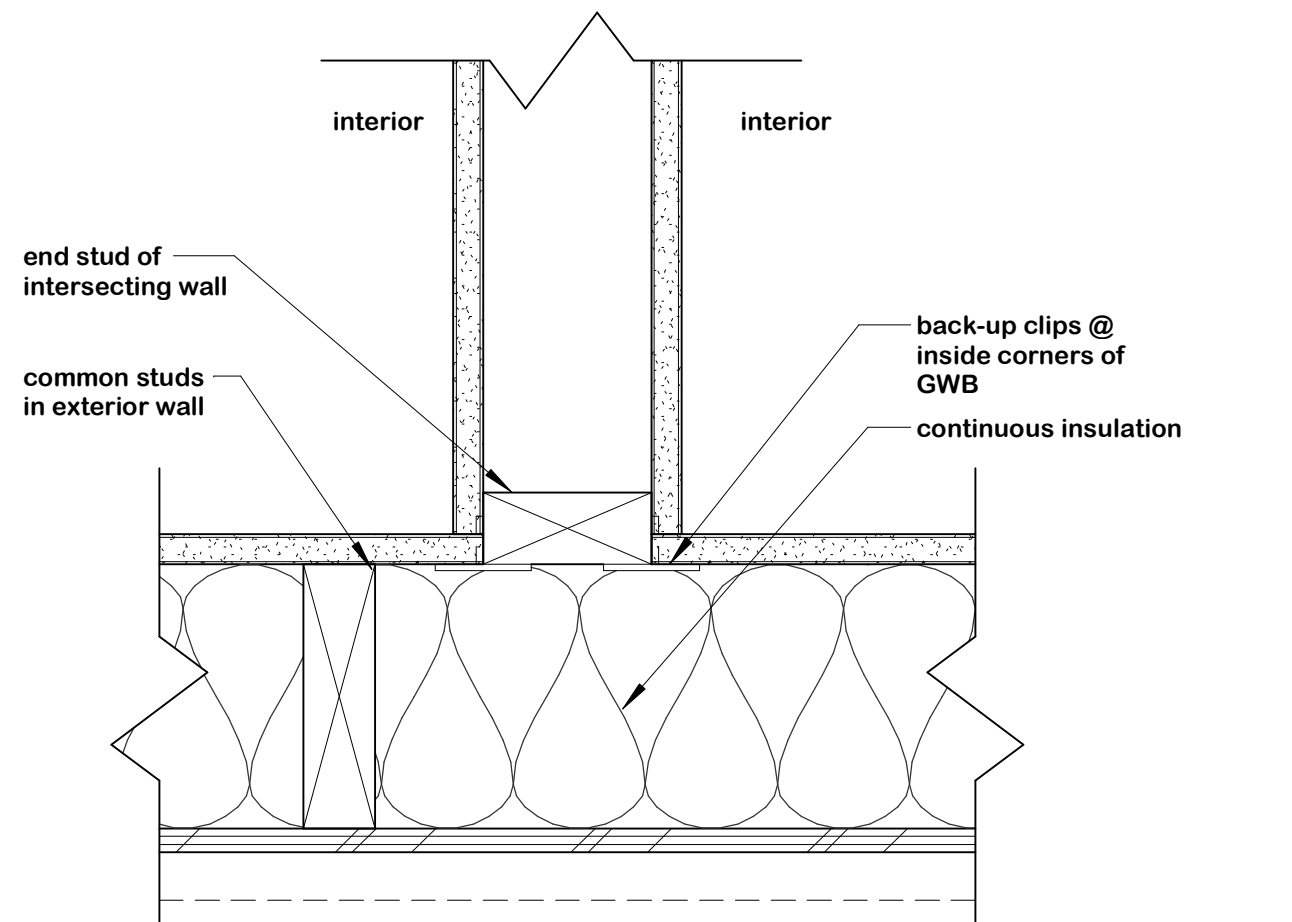
17 shingle to brick inside corner
3" = 1'-0"



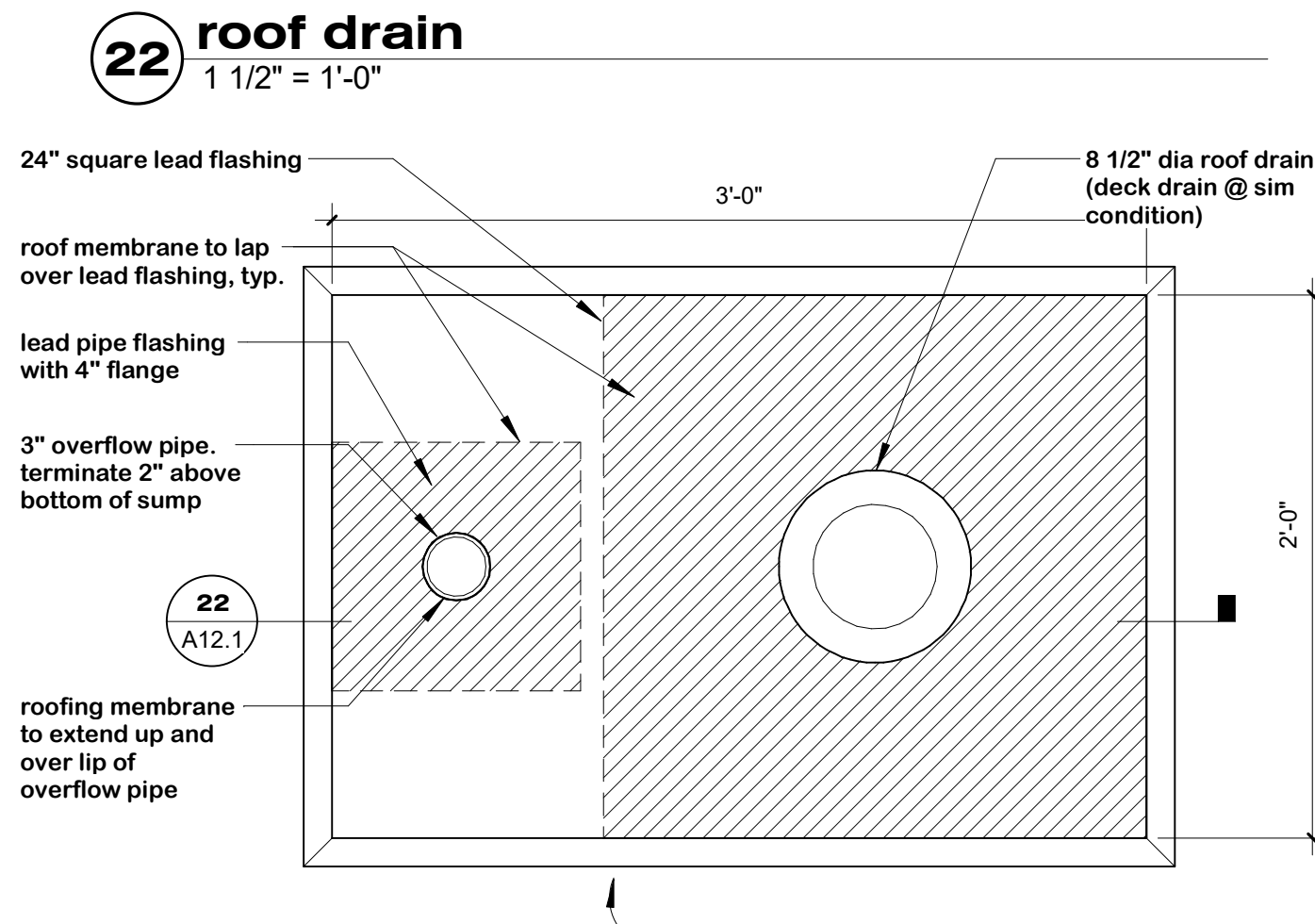
12 roof eave - typ.
1 1/2" = 1'-0"



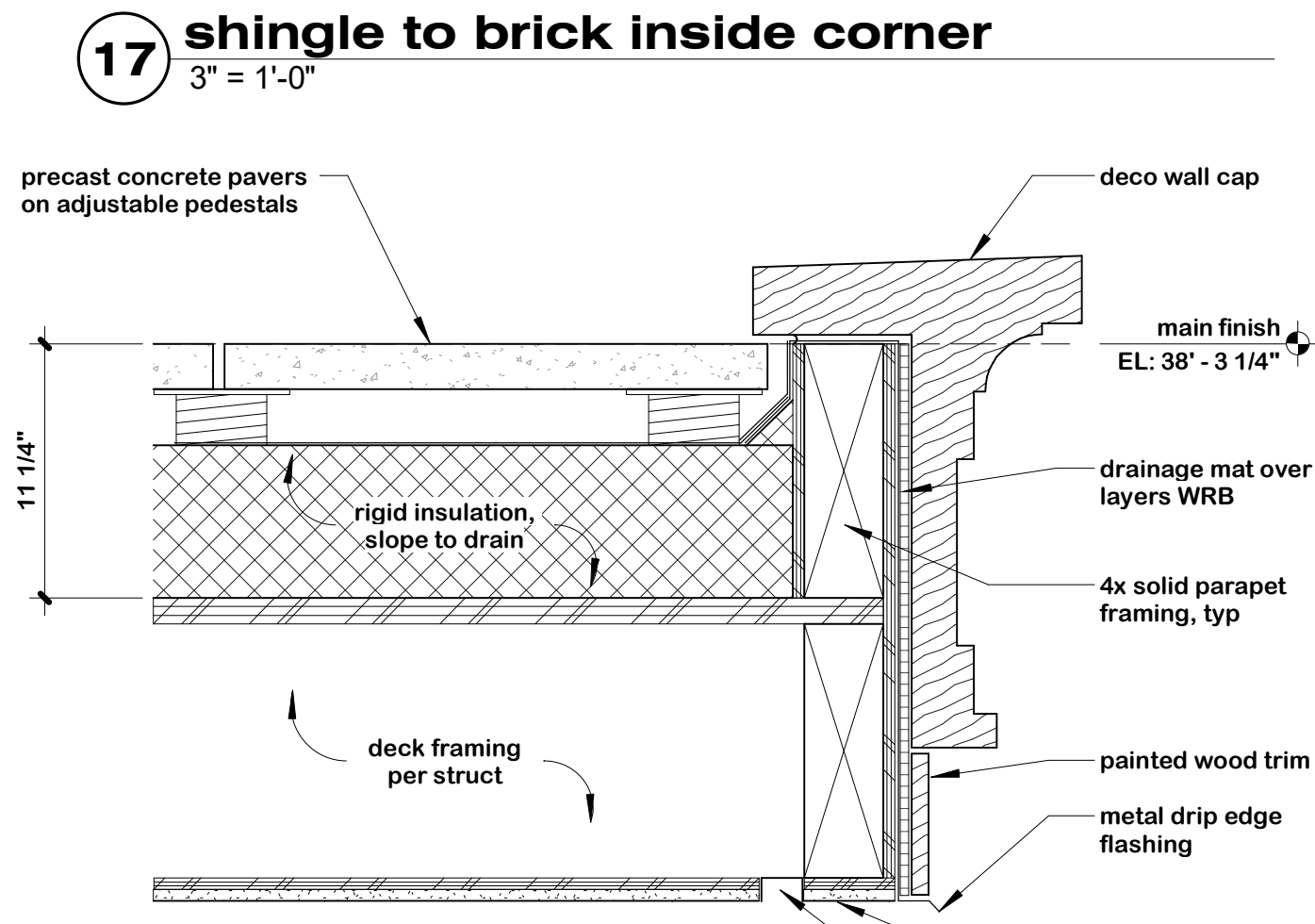
6 window flashing sequence
3/4" = 1'-0"



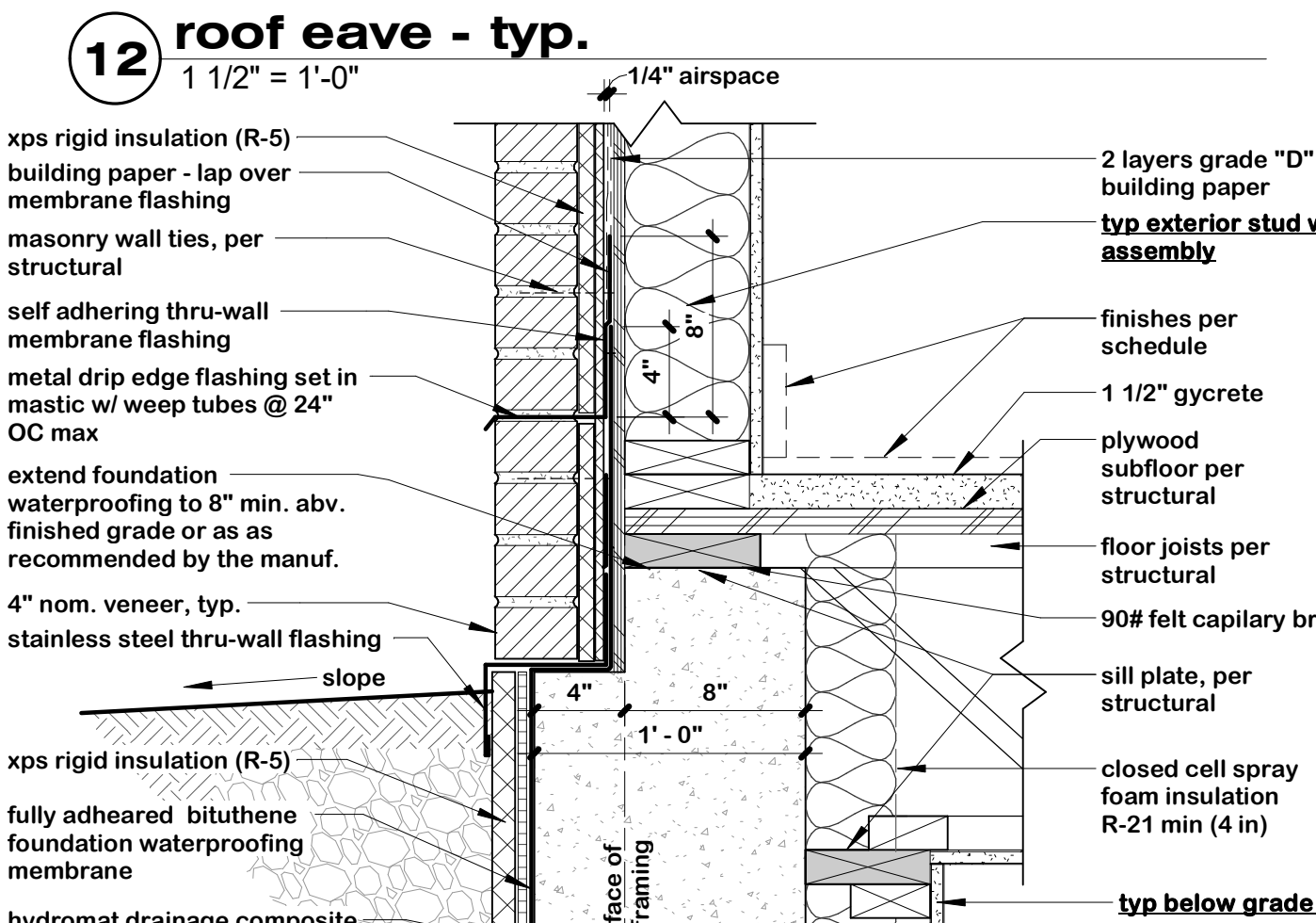
2 framing intersection @ exterior wall
3" = 1'-0"



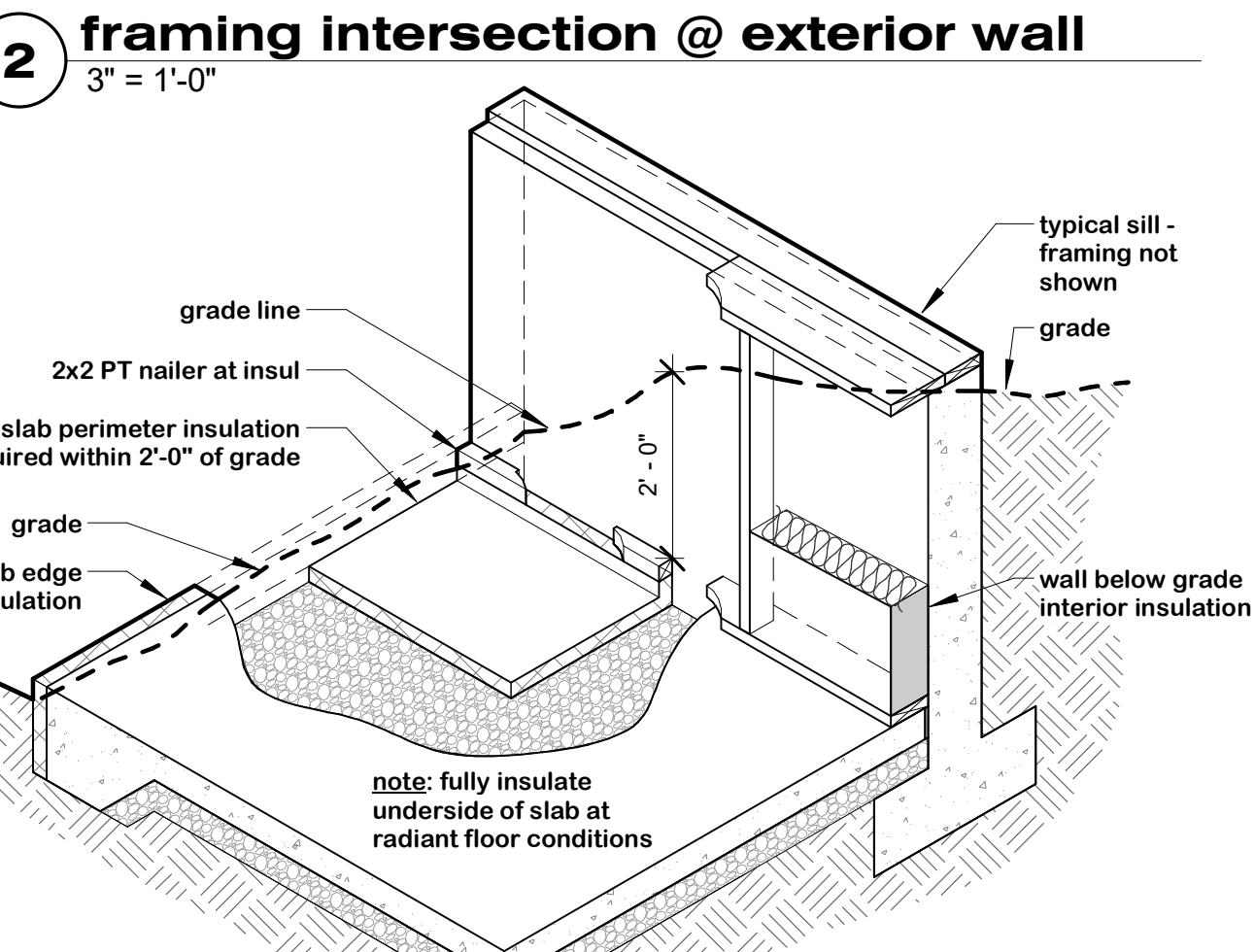
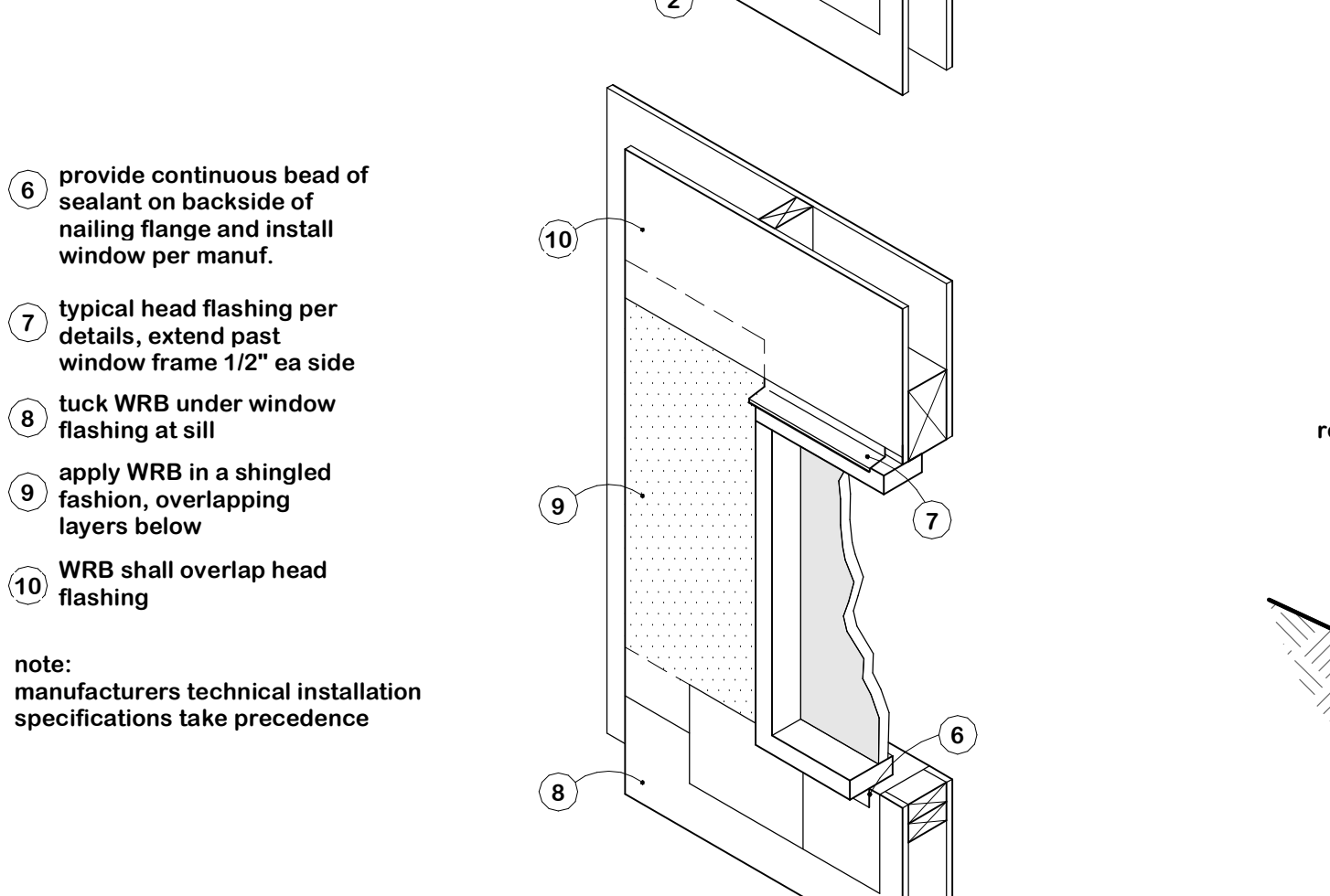
21 drain sump
1 1/2" = 1'-0"



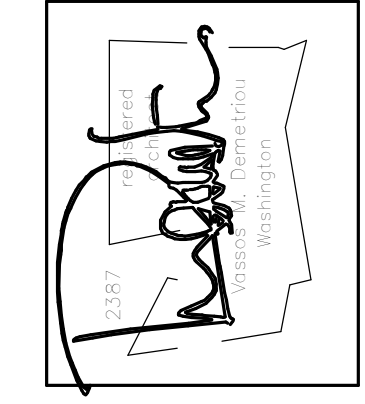
16 deck edge detail
1 1/2" = 1'-0"



11 typ foundation @ brick
1 1/2" = 1'-0"



1 schematic corner - daylight basement wall interior insulation
1/2" = 1'-0"



No.	Revision Date	Description

Drawn by: JAS
 Checked by: JAS
 Date: 02/15/18
 Project: building permit

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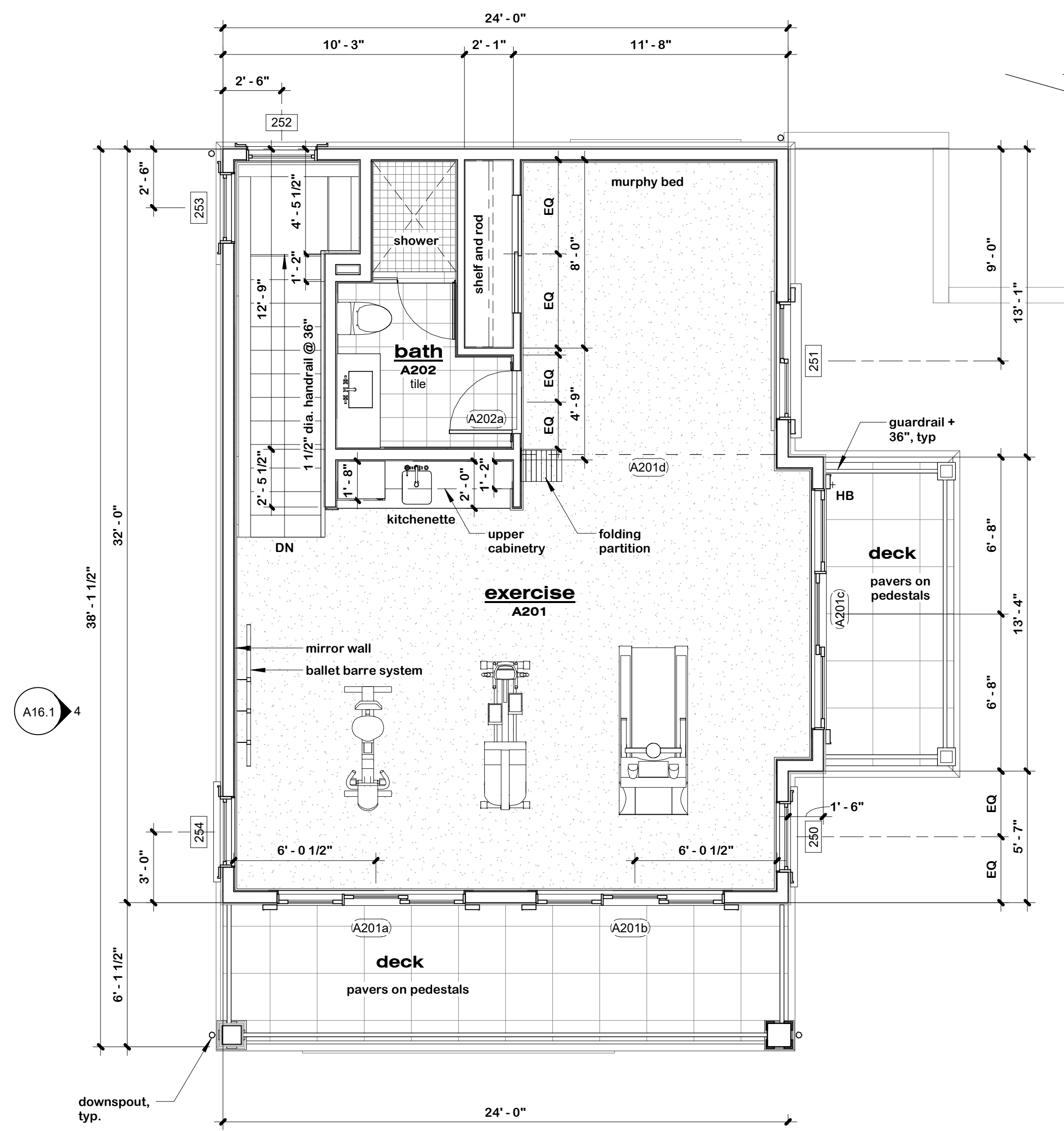
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Project: 503.01

Show Title: details

Project: 503.01

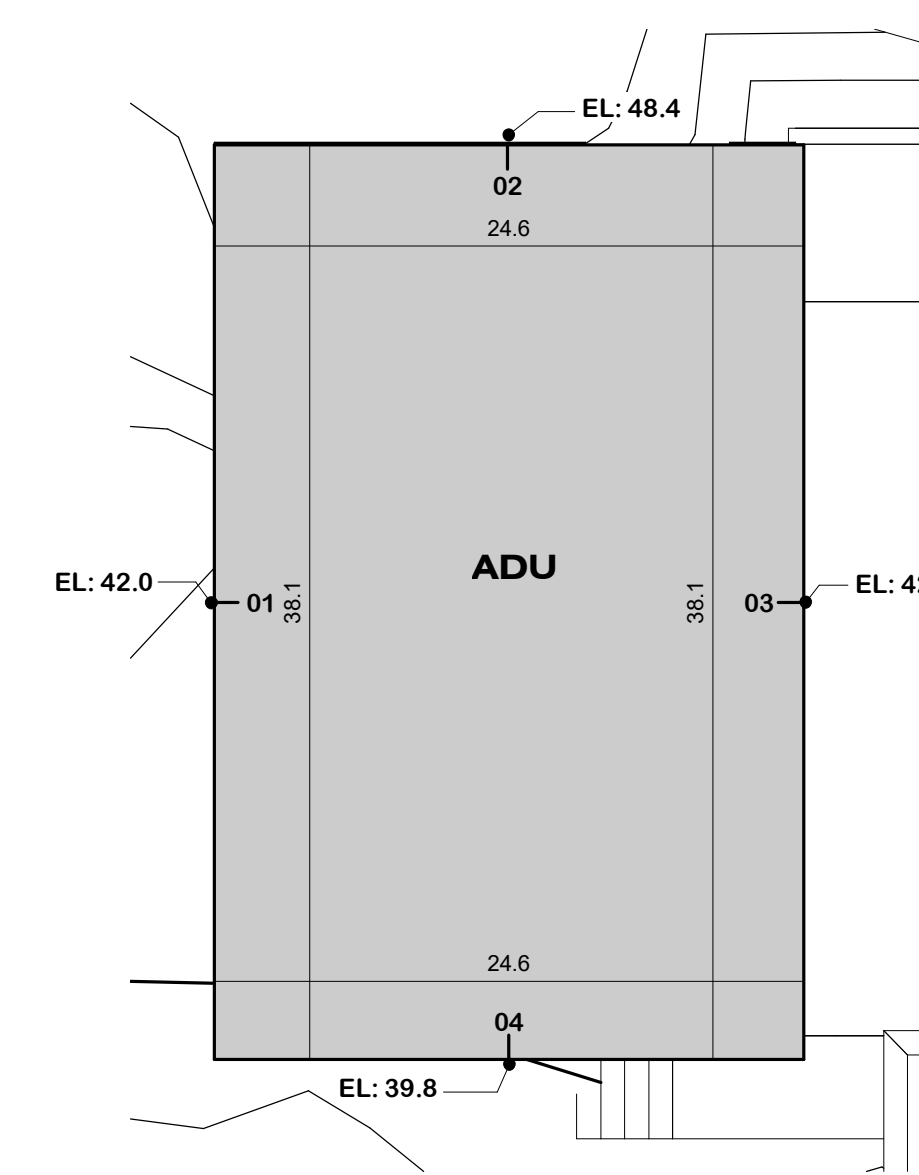
Sheet: A12.1



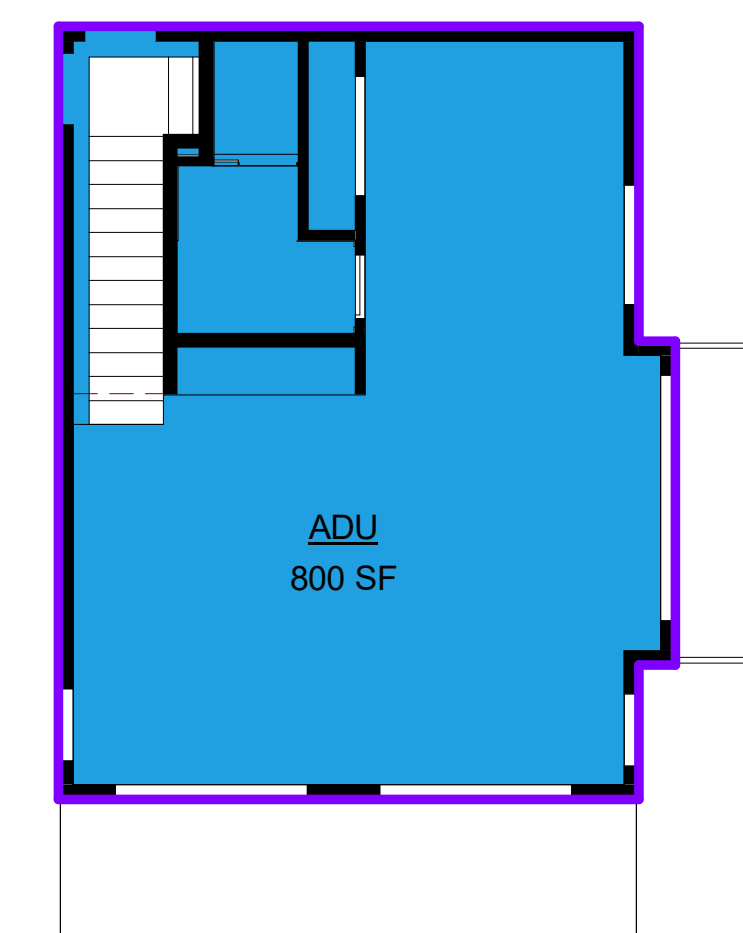
5 ADU main floor
1/4" = 1'-0"

Average Building Elevation - ADU			
wall	midpoint elevation	wall length	ME*WL
01	42	38.1'	1600.4'
02	48.4	24.9'	1183.9'
03	42	38.1'	1600.4'
04	39.8	24.6'	977.6'
		125.2'	5362.1'

AVERAGE BUILDING ELEVATION FORMULA:
 (Midpoint Elevations) x (Wall Lengths) = 5,362.1 ft
 Total Length of Wall = 125.2 ft
 Average Building Elevation (ABE) = 42.8 ft



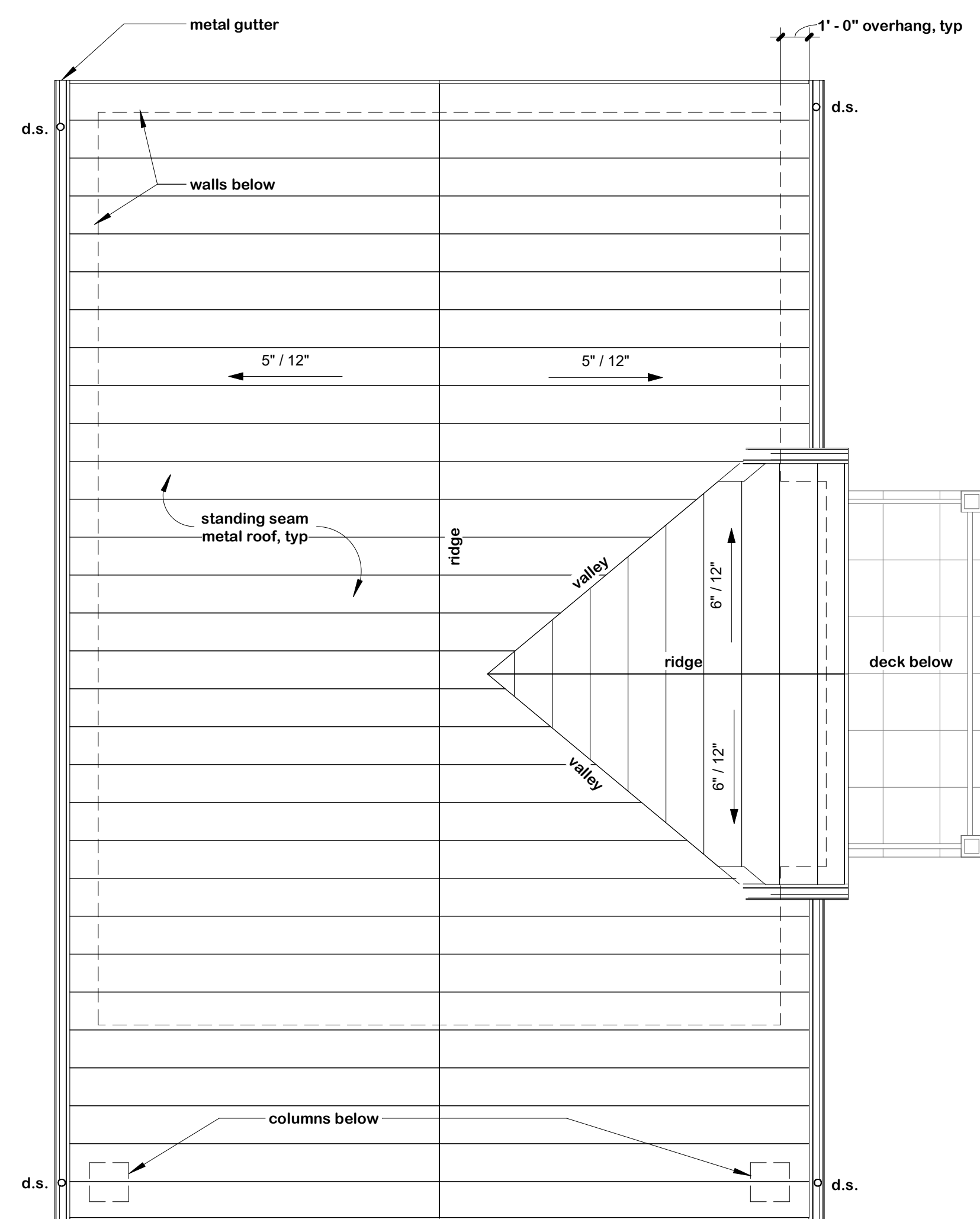
3 average building elevation
1/8" = 1'-0"



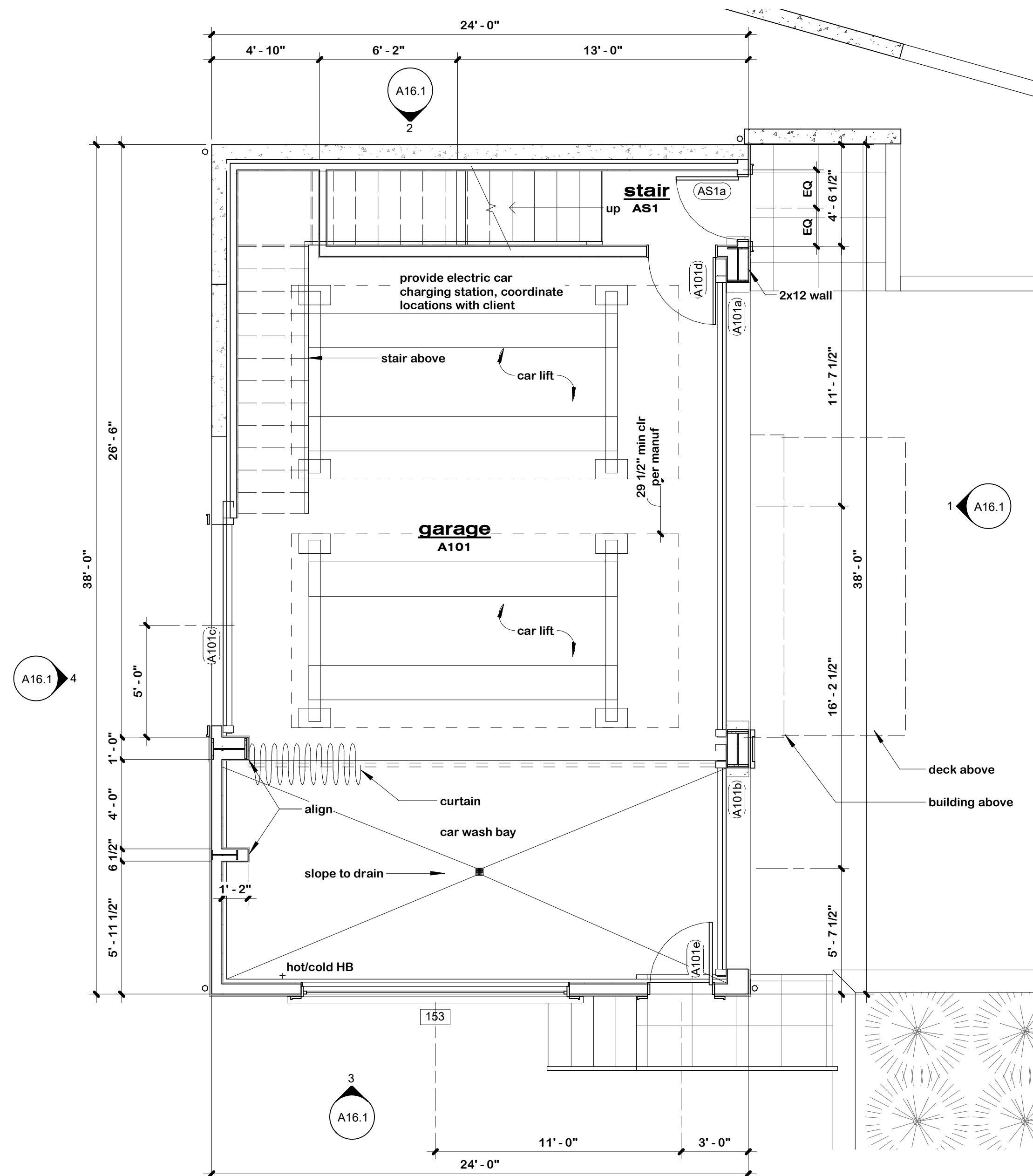
2 ADU area
1/8" = 1'-0"

roof plan notes

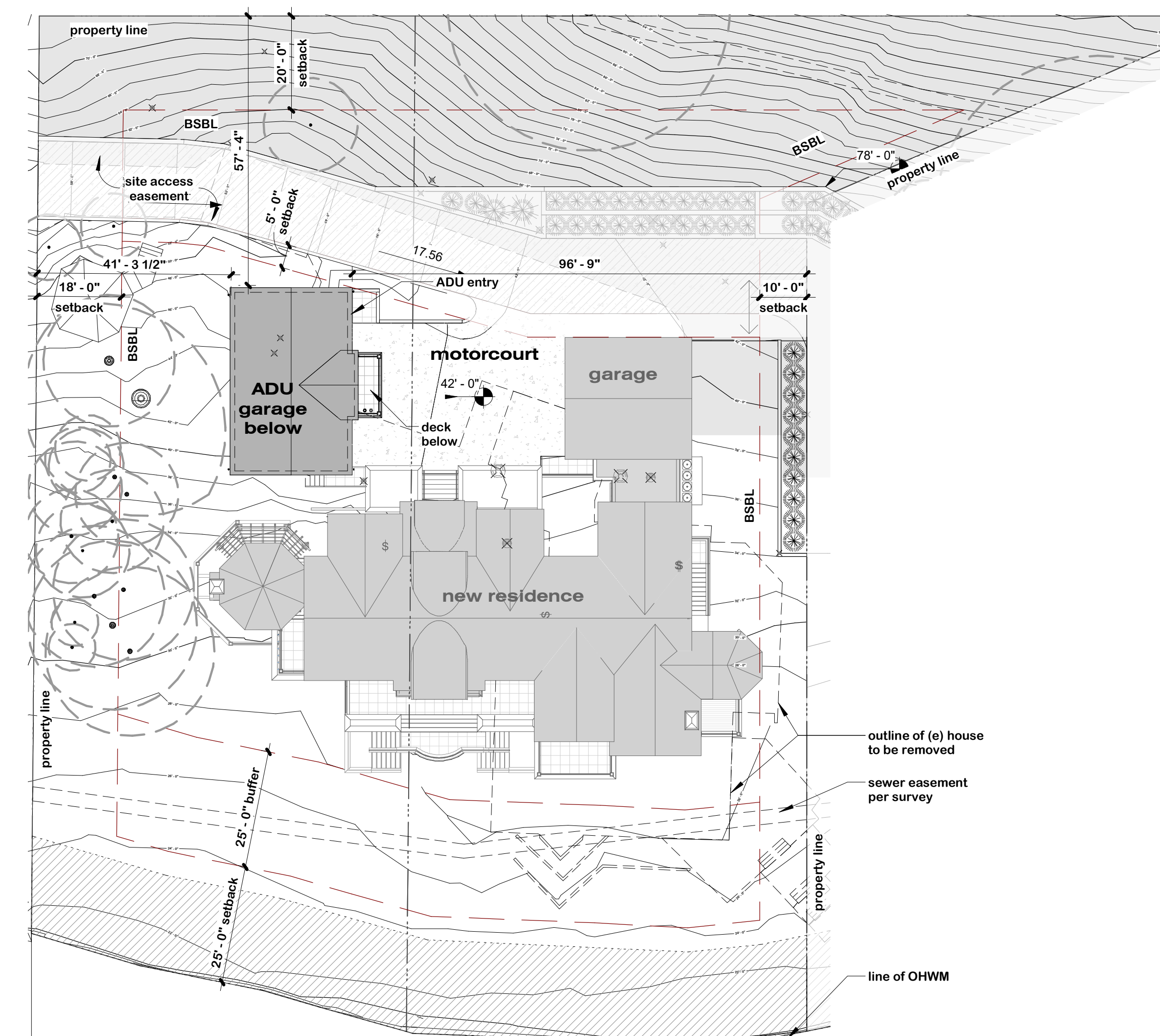
1. See A6.1 for additional roof notes.
2. see 2/A6.2 for venting calculation.



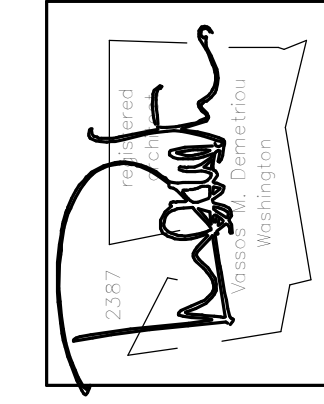
6 ADU roof plan
1/4" = 1'-0"



4 ADU garage
1/4" = 1'-0"



1 site plan
1" = 20'-0"



No.	Revision Date	Description

Drawn by: JAS
 Scale: 1/4" = 1'-0"
 Date: 02/28/17
 Purpose: building permit

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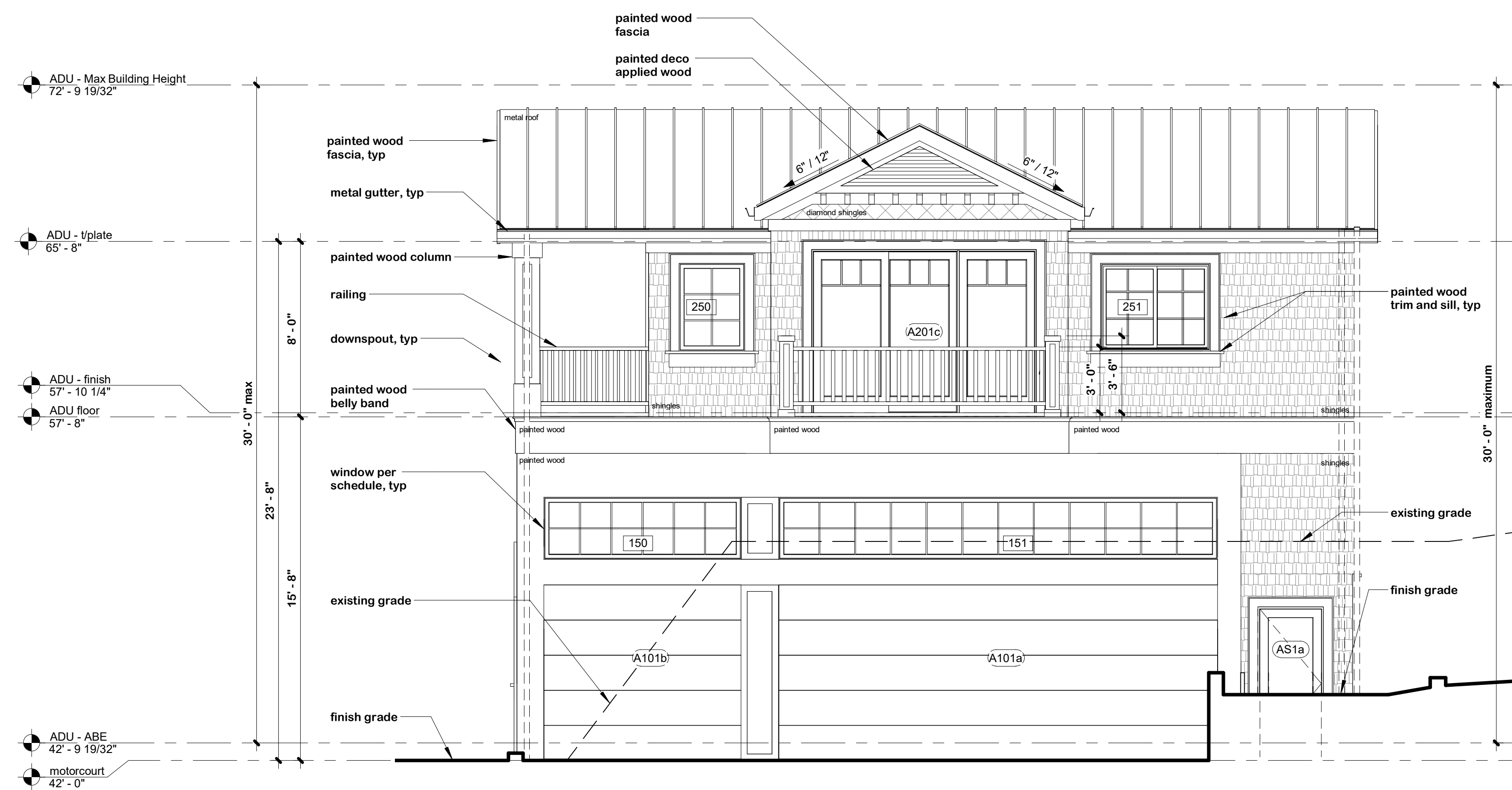
Project:

Sheet Title:
ADU plans and calculations
 Drawing Scale As Indicated

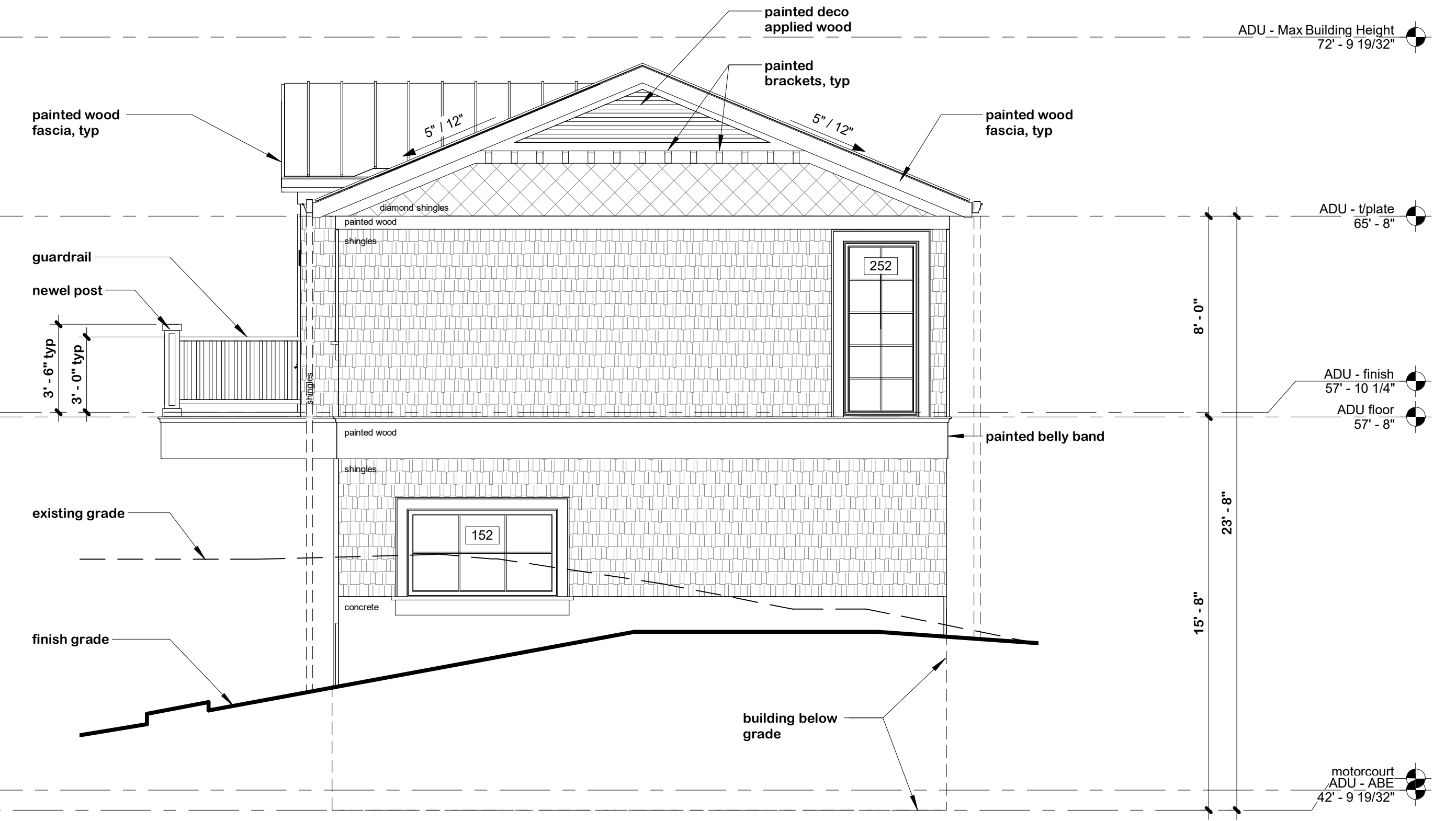
Project:
503.01

Sheet:

A15.1



1 ADU - south elevation
1/4" = 1'-0"

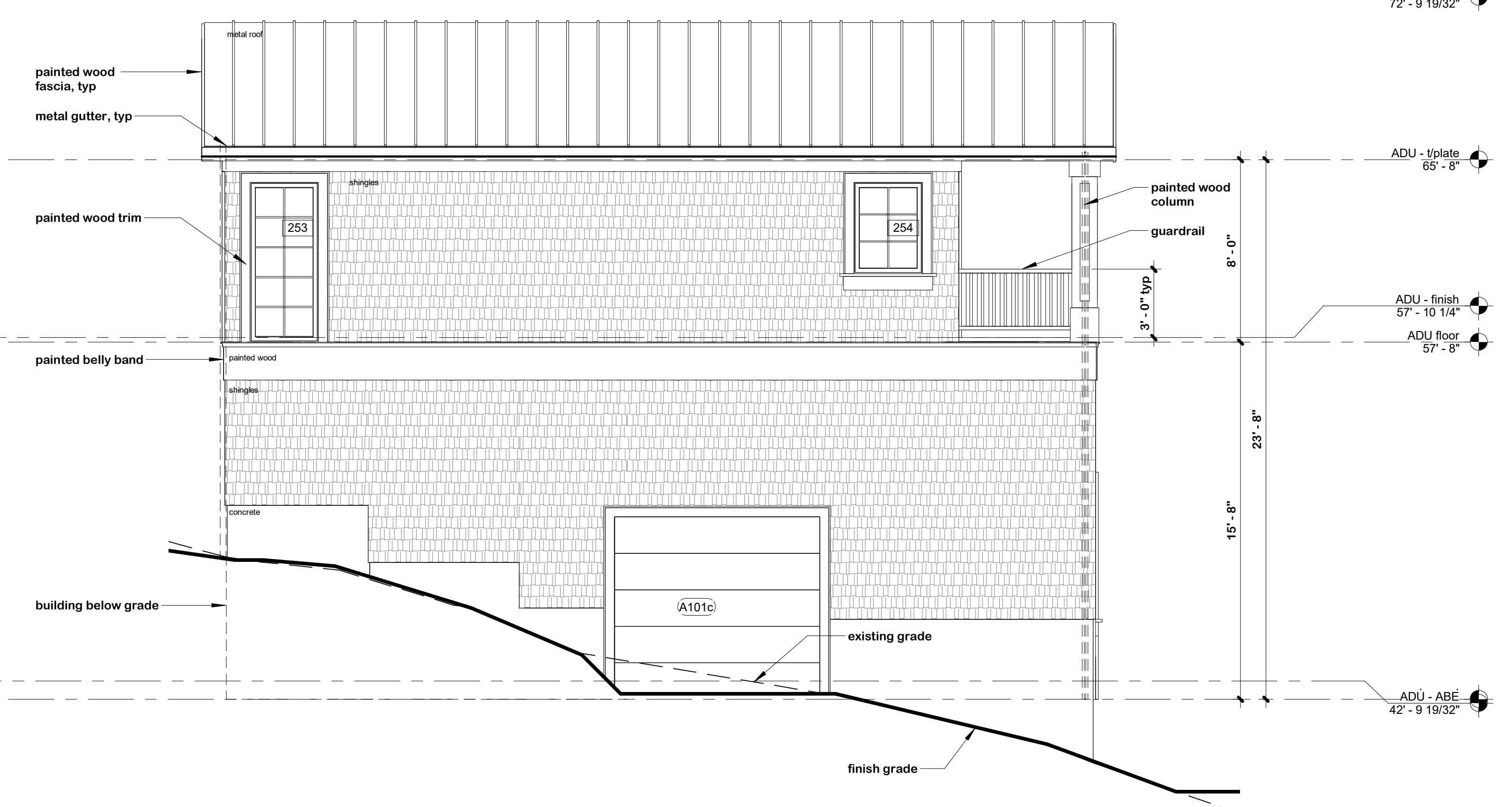


2 ADU - east elevation
1/4" = 1'-0"

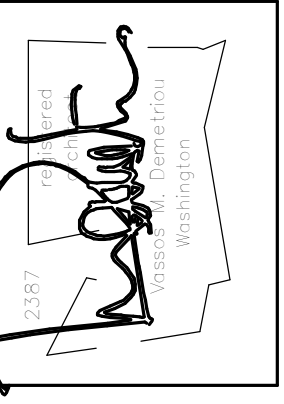
elevation notes
1. ADU shall be consistent with the roof pitch, siding, and windows of the proposed main house.



3 ADU - west elevation
1/4" = 1'-0"



4 ADU - north elevation
1/4" = 1'-0"



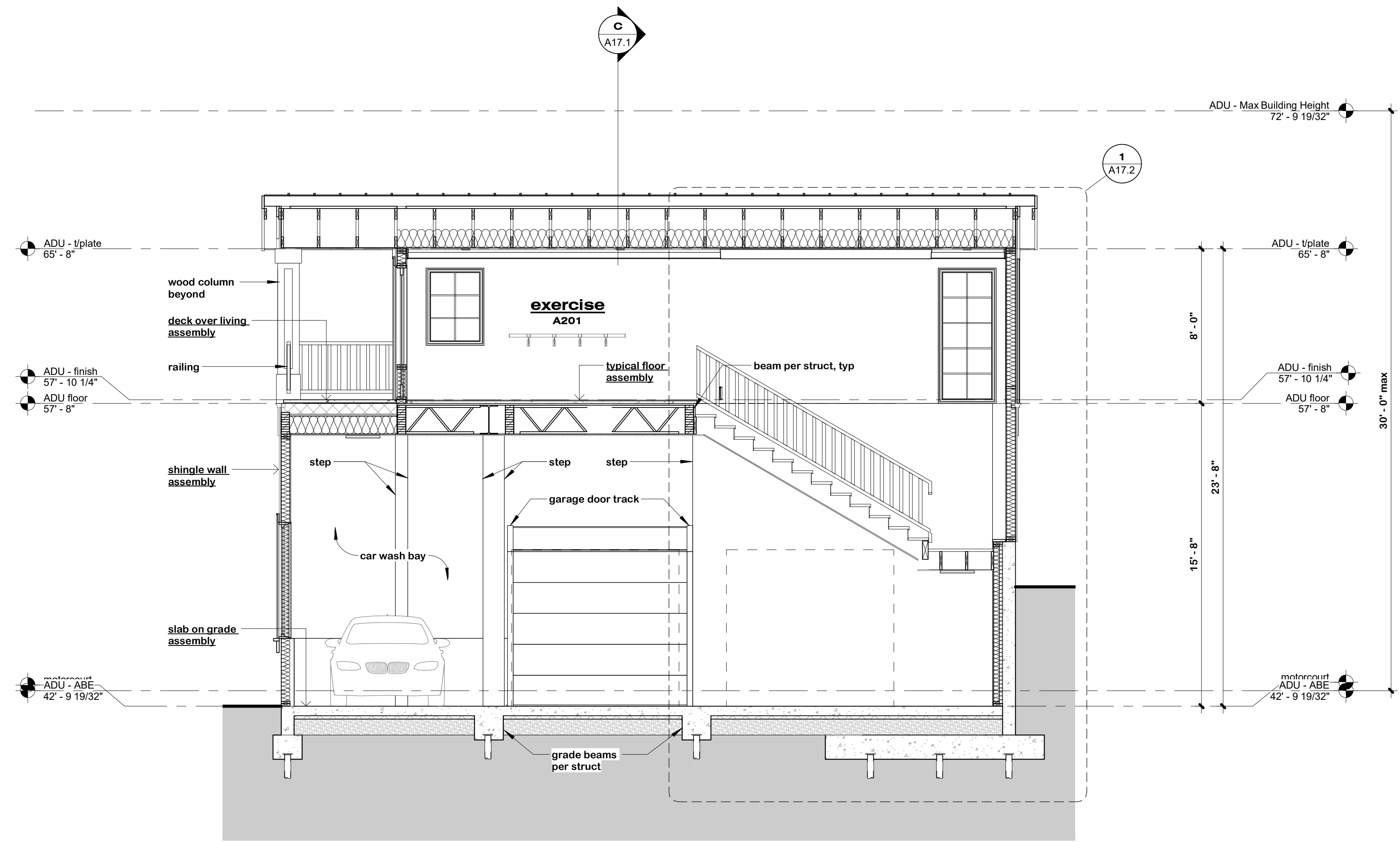
No.	Revision Date	Description

Drawn by: AGS
 Scale: 1/4" = 1'-0"
 Date: 11/14/17
 Purpose: building permit
 Project: 503.01
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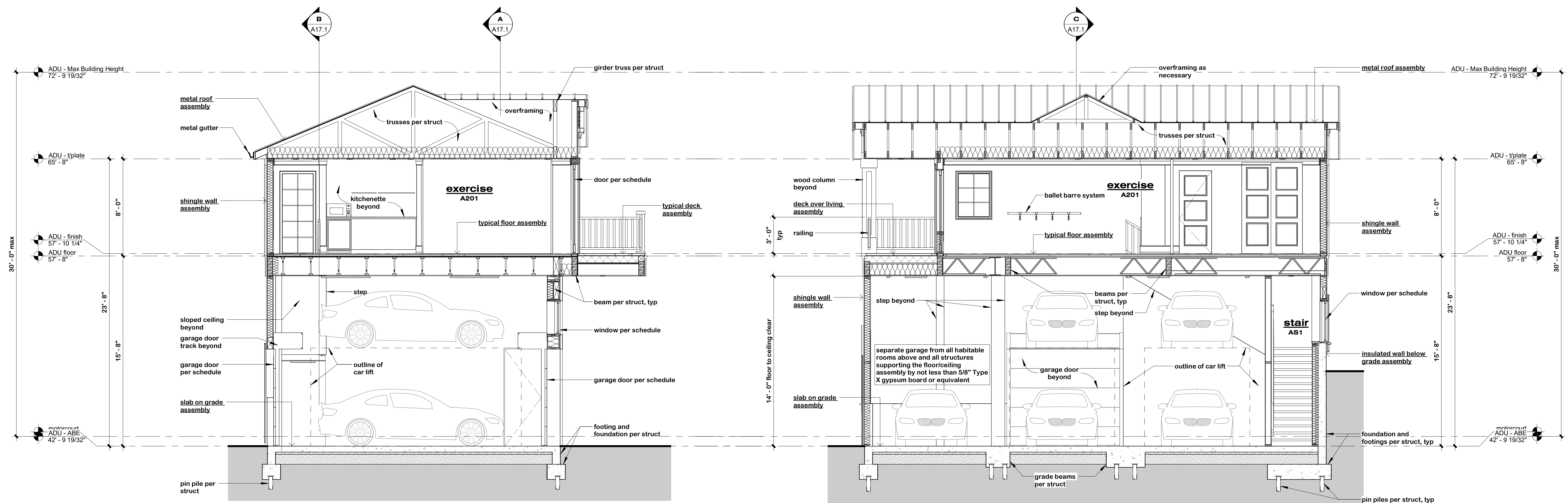
Ogden Point Residence
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 Mercer Island, WA 98040

Project: 503.01
 Sheet Title: ADU elevations
 Drawing Scale: 1/4" = 1'-0"

Project: 503.01
 Sheet: A16.1

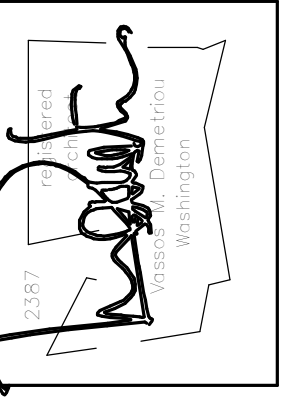


B ADU building section - EW looking S
1/4" = 1'-0"



C ADU building section - NS looking E
1/4" = 1'-0"

A ADU building section - EW looking S
1/4" = 1'-0"



No.	Revision Date	Description

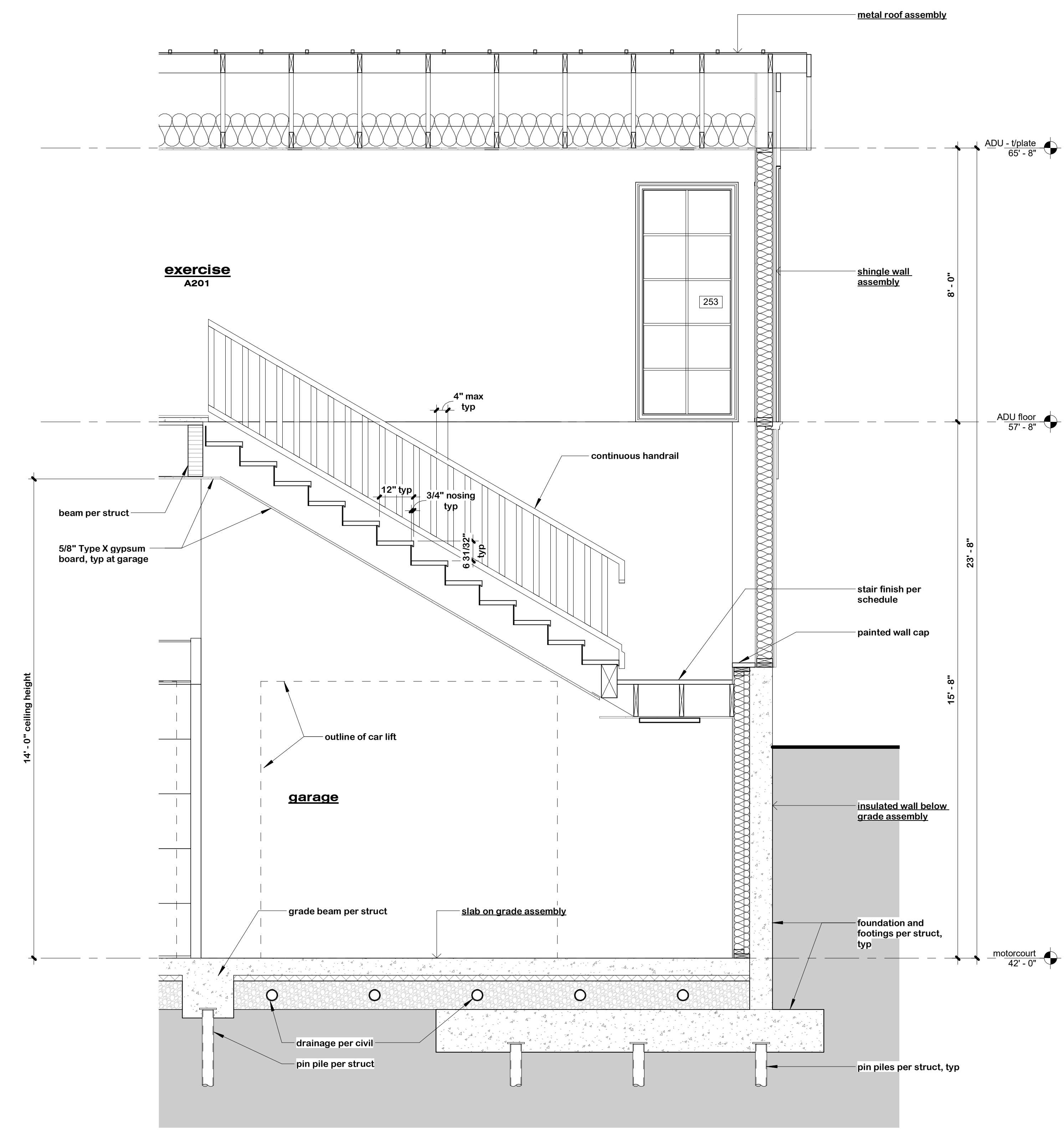
Drawn by: JAS
 Scale: 1/4" = 1'-0"
 Date: 11/14/17
 Project: building permit
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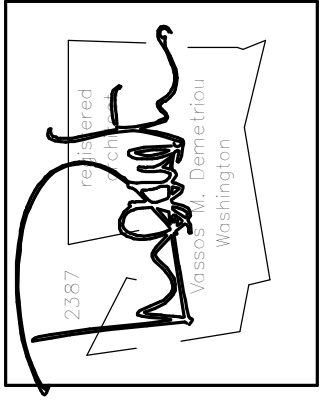
Project:
ADU building sections

Sheet:
503.01

Sheet:
A17.1



1 stair and wall section
1/2" = 1'-0"



No.	Revision Date	Description

Drawn by: JAS
 Scale: 1/2" = 1'-0"
 Date: 11/14/17
 Purpose: building permit

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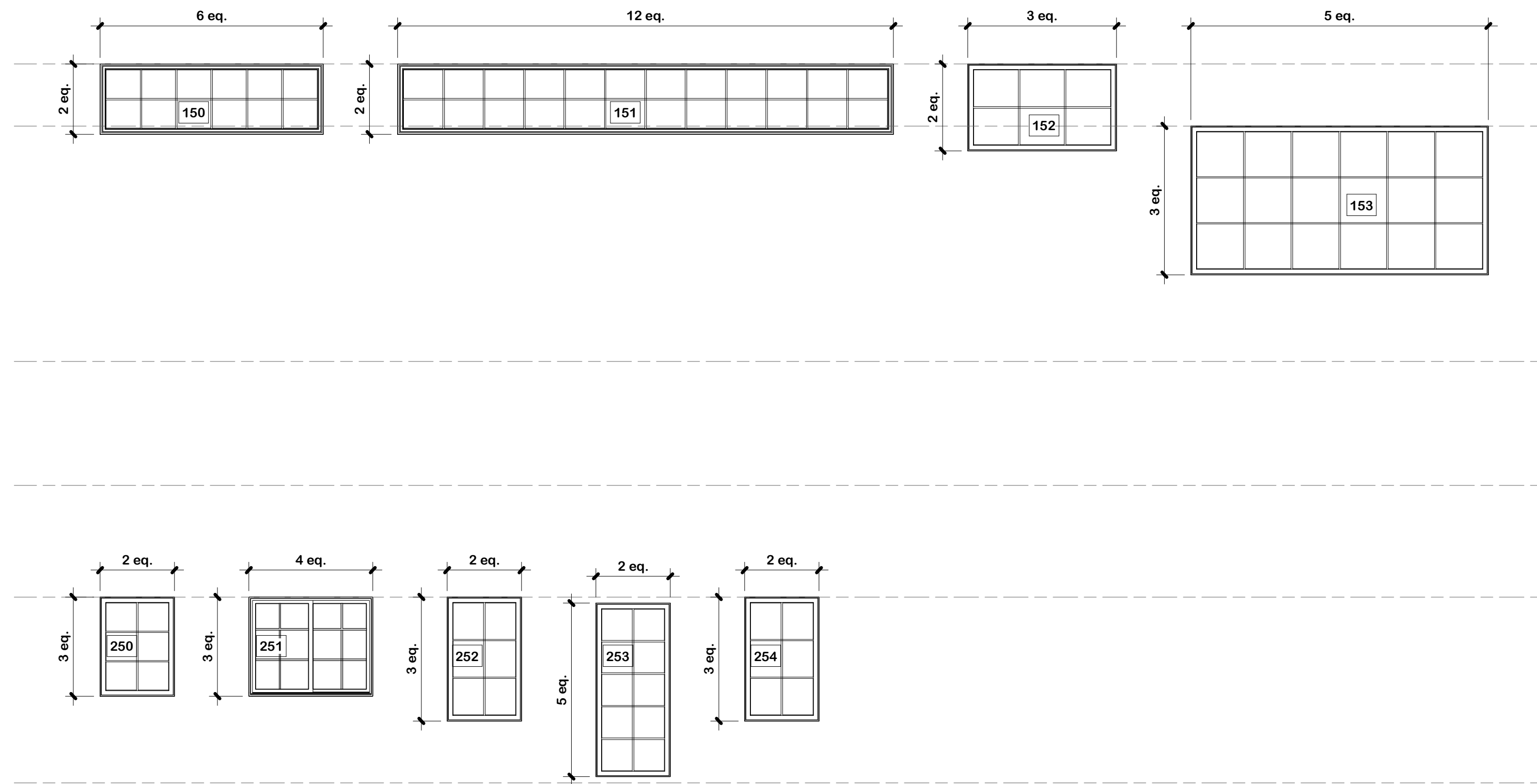
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

Project:
ADU wall and stair sections

Sheet Title:
503.01

Sheet:
A17.2

window types



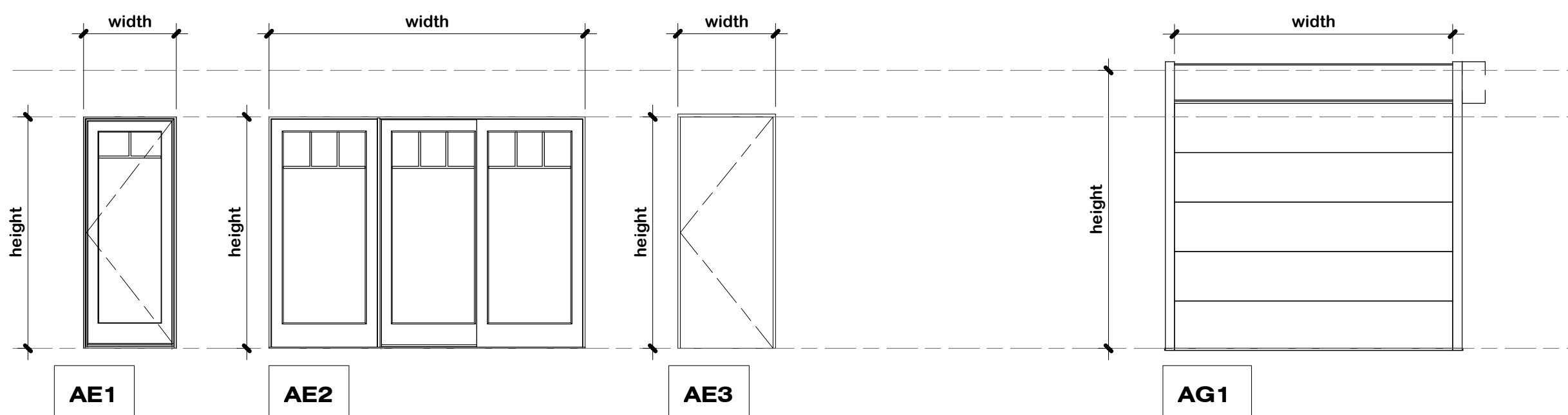
glazing notes

- See sheet A1.1 for general notes.
- All glazing to have a U-factor of 0.25 max per WSEC prescriptive approach.
- Window dimensions taken to frame UNO.
- Safety glazing (SG) to be provided where required by the IRC. See plans for safety glazing locations as noted. Each pane of safety glazing to be identified in accordance with IRC.
- Emergency escape and rescue openings shall be installed per IRC R310. See plans for locations. All emergency escape openings shall have a minimum net clear opening of 5.7 SF. The minimum net clear opening shall be no less than 24", clear opening width no less than 20", with a finished sill height more than 44" above the floor.
- Window supplier/manufacturer to file verify all rough openings, window divisions, and operation prior to production of windows.
- All window finishes per Architect. Window supplier to submit color sample for approval by Architect/Owner.
- All operable windows to be provided with screens.
- Windows within 10'-0" of grade (or accessible deck shall be capable of being locked).
- All sill and head heights are taken from finish floor UNO.

window schedule

	no.	width	height	sill height	head height	u-value	area	UA	manufacturer	model	comments
motorcourt	151	20'-0"	2'-10"	9'-2"	12'-0"	0.25	57 SF	14 SF			
	150	9'-0"	2'-10"	9'-2"	12'-0"	0.25	26 SF	6 SF			
	153	12'-0"	6'-0"	3'-6"	9'-6"	0.25	72 SF	18 SF			
AS1 stair	152	6'-0"	3'-6"	8'-6"	12'-0"	0.25	21 SF	5 SF			
ADU floor											
A201 exercise	254	3'-0"	4'-0"	3'-0"	7'-0"	0.25	12 SF	3 SF			
	251	5'-0"	4'-0"	3'-0"	7'-0"	0.25	20 SF	5 SF			
	253	3'-0"	7'-0"	0"	7'-0"	0.25	21 SF	5 SF			
A201 exercise	250	3'-0"	4'-0"	3'-0"	7'-0"	0.25	12 SF	3 SF			
	252	3'-0"	7'-0"	0"	7'-0"	0.25	21 SF	5 SF			

exterior doors



door notes

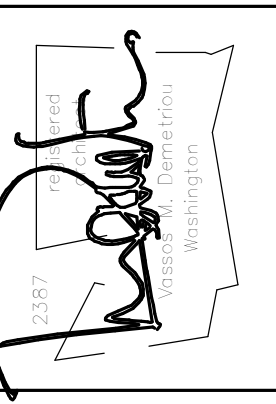
- Safety glazing (SG) to be provided where required IBC 2403. Refer to plans for safety glazing locations. Each pane of safety glazing shall be identified by a label in accordance with IRC.
- Door frames and frame anchorage shall be installed according to the condition of their listings.
- All exterior doors, except garage doors, to be provided with mortise lock and deadbolt. Minimum 1/2" throw deadbolt or dead latch for doors per IRC R329.
- Opaque exterior doors to have a maximum U-factors per table WSEC R402.1.1. Glazed exterior doors to have a maximum U-factor of 0.25.
- Fire doors, windows, and dampers shall have an approved label or listing mark, indicating fire-protection rating, which is visible for inspection and permanently affixed at the time of manufacture.
- All exterior, mechanical room, and crawl space doors shall be insulated with interlocking low-rise thresholds and weatherstripping.
- Door thresholds shall not exceed 1/2" in height above finish floor.
- All bedroom, bathroom, and powder rooms to be provided with privacy locks.
- Operation, hinging, pocketing, or sliding per plans.

interior doors



door schedule

room	type	material	finish	width	height	thickness	manufacturer	model	Comments
motorcourt									
A101a		AG1		20'-0"	8'-0"	2"			
A101b		AG1		9'-0"	8'-0"	2"			
A101c		AG1		9'-0"	8'-0"	2"			
A101d	AS1 stair	AE3		3'-0"	8'-0"	1 3/8"			
A101e	AS1 stair	AE1		3'-0"	7'-0"	1 3/4"			
AS1a	AS1 stair	AE1		3'-0"	7'-0"	1 3/4"			
ADU floor									
A201i	A202 bath	AD4		2'-5"	6'-0"	1"			
ADU - finish									
A201a	A201 exercise	AE2		8'-0"	7'-0"	1 3/4"			
A201b	A201 exercise	AE2		8'-0"	7'-0"	1 3/4"			
A201c	A201 exercise	AE2		10'-2 3/4"	7'-6"	1 3/4"			
A201d	A201 exercise	JJ		10'-10"	8'-0"	0"			
A202a	A202 bath	AD3		2'-8"	6'-10"	1 3/4"			



No.	Revision Date	Description

Drawn by: JAS
 Scale: 1/8" = 1'-0"
 Date: 11/14/17
 Purpose: building permit

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Project: **Ogden Point Residence**
 3675 W Mercer Way
 Mercer Island, WA 98040

Sheet Title: **ADU schedules**

Project: **503.01**

Sheet: **A18.1**

General Structural Notes

THE FOLLOWING APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS

CRITERIA

- 1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2015 EDITION).
- 2. DESIGN LOADING CRITERIA:
RESIDENTIAL - ONE AND TWO-FAMILY DWELLINGS
FLOOR LIVE LOAD 40 PSF
ROOF LIVE LOAD 25 PSF
MISCELLANEOUS LOADS
DECKS 1.5 x AREA SERVED
DEFLECTION CRITERIA
LIVE LOAD DEFLECTION L/700
TOTAL LOAD DEFLECTION L/500
ENVIRONMENTAL LOADS
WIND Gcp=0.18, 110 MPH, RISK CATEGORY II, EXPOSURE "C"
EARTHQUAKE . ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL SYSTEM: LIGHT FRAMED SHEAR WALLS, Vs = 60 KIPS (MAIN HOUSE ONLY)
SITE CLASS=0, Ss=1.4, Sds=.94, S1=.54, SD1=.54, Cg=0.144
SDC D, Ie=1.0, R=6.5
SEE PLANS FOR ADDITIONAL LOADING CRITERIA

- 3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATION, THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK.
- 4. PRIMARY STRUCTURAL ELEMENTS NOT DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS SHALL BE LOCATED BY THE ARCHITECTURAL PLANS AND DETAILS. VERTICAL DIMENSION CONTROL IS DEFINED BY THE ARCHITECTURAL WALL SECTIONS, BUILDING SECTION, AND PLANS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTORS WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.

- 6. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. CONFORM TO ASCE 37-14 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION".

- 7. CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.

- 8. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN. SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. ALL TYPICAL NOTES AND DETAILS SHOWN ON DRAWINGS SHALL APPLY, UNLESS NOTED OTHERWISE. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE TYPICAL DETAILS ARE NOTED ON THE PLANS, THE SPECIFIED TYPICAL DETAIL SHALL BE USED. WHERE NO TYPICAL DETAIL IS NOTED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE THE APPROPRIATE TYPICAL DETAIL FROM THOSE PROVIDED OR REQUEST ADDITIONAL INFORMATION. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ALTERNATE TYPICAL DETAILS TO THOSE PROVIDED WITH RELATED CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO SHOP DRAWING PRODUCTION AND FIELD USE.

- 9. SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS:

CONNECTOR PLATE WOOD ROOF TRUSSES
METAL DECKING
STRUCTURAL STEEL

CONTRACTOR SHALL SUBMIT WALL ELEVATION DRAWINGS OF AT LEAST 1/8" = 1'-0" SCALE INDICATING LOCATIONS OF CONNECTION EMBEDMENTS AND WALL OPENINGS FOR REVIEW PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WALL ELEVATION DRAWINGS WITH REINFORCEMENT SHOP DRAWINGS.

APPROVED SETS OF ALL SHOP DRAWINGS SHALL ALSO BE SUBMITTED TO THE BUILDING DEPARTMENT.

- 10. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. SUBMITTALS SHALL INCLUDE A REPRODUCIBLE AND ONE COPY; REPRODUCIBLE WILL BE MARKED AND RETURNED WITHIN TWO WEEKS OF RECEIPT WITH A NOTATION INDICATING THAT THE SUBMITTAL HAS BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE SUBMITTED ITEMS SHALL NOT BE INSTALLED UNTIL THEY HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY IDENTIFYING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

QUALITY ASSURANCE

- 11. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SECTIONS 110 AND 1705 OF THE INTERNATIONAL BUILDING CODE BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT, AND RETAINED BY THE BUILDING OWNER, THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION AND TEST RESULTS. SPECIAL INSPECTION OF THE FOLLOWING TYPES OF CONSTRUCTION IS REQUIRED UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL FABRICATION AND ERECTION PER AISC 360
EXPANSION BOLTS AND THREADED EXPANSION INSERTS PER MANUFACTURER

PERIODIC INSPECTION: INSPECTION SHALL BE PERFORMED AT INTERVALS NECESSARY TO CONFIRM THAT WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE WITH REQUIREMENTS.

CONTINUOUS INSPECTION: INSPECTOR SHALL BE ONSITE AND OBSERVE THE WORK REQUIRING INSPECTION AT ALL TIMES THAT WORK IS PERFORMED.

- 12. UNLESS OTHERWISE NOTED, THE FOLLOWING ELEMENTS COMPRISE THE SEISMIC-FORCE-RESISTING SYSTEM AND ARE SUBJECT TO SPECIAL INSPECTION FOR SEISMIC RESISTANCE IN ACCORDANCE WITH SECTION 1705.12 OF THE INTERNATIONAL BUILDING CODE.

- A. STRUCTURAL STEEL MOMENT FRAMES AND BRACED FRAMES REQUIRE CONTINUOUS INSPECTION FOR WELDING PER AISC 341 EXCEPT SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16-INCH.
- B. STRUCTURAL WOOD SHEAR WALL SYSTEMS REQUIRE PERIODIC INSPECTION FOR FIELD GLUING, NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE, RESISTING SYSTEM INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLDDOWS.

GEOTECHNICAL

- 13. FOUNDATION NOTES: SUBGRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION, AND FILLING REQUIREMENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE SOILS REPORT OR AS DIRECTED BY THE SOILS ENGINEER. FOOTINGS SHALL BEAR ON SOLID UNDISTURBED EARTH OR COMPACTED STRUCTURAL FILL AT LEAST 18" BELOW LOWEST ADJACENT FINISHED GRADE. FOOTING DEPTHS/ELEVATIONS SHOWN ON PLANS (OR IN DETAILS) ARE MINIMUM AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS MUST BE ESTABLISHED BY THE CONTRACTOR IN THE FIELD WORKING WITH THE TESTING LAB AND SOILS ENGINEER. BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE AS NOTED IN THE SOILS REPORT.

- ALLOWABLE SOIL PRESSURE (NATIVE SOILS) 2500PSF
LATERAL EARTH PRESSURE (UNRESTRAINED/AT STEEP SLOPE) 40 PCF/60 PCF
ACTIVE PRESSURE AT CATCHMENT WALL 100 PCF
ALLOWABLE PASSIVE EARTH PRESSURE (ULTIMATE) 300 PCF
COEFFICIENT OF FRICTION (ULTIMATE) 0.4
SEISMIC SURCHARGE PRESSURE (UNIFORM LOAD) 8H PSF
4" DIA. PILE CAPACITY (COMPRESSION/LATERAL) 10 T / 5 T

SOILS REPORT REFERENCE:
GEOTECH CONSULTANTS, INC
2401 10TH AVE E
SEATTLE, WA 98102
425-747-5618
JANUARY 3RD, 2017
JN16543

- 14. PIN PILES SHOWN ON THE PLAN SHALL BE 4"DIAMETER SCHEDULE 80. THE MAXIMUM CAPACITY OF 4"PILES SHALL BE 10 TONS. ALL PILES SHALL BE DRIVEN TO REFUSAL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. AS A MINIMUM, PILE REFUSAL SHALL BE DEFINED AS 1 INCH OF PENETRATION IN 16 SECONDS DURING CONTINUOUS DRIVING OF A 850 LB HYDRAULIC JACK HAMMER. PILES USED IN COMMON TO RESIST LATERAL EARTH PRESSURES SHALL HAVE AN ADDITIONAL REQUIREMENT OF BEING EMBEDDED A MINIMUM OF 10 FEET BELOW RETAINED GRADE. THE MAXIMUM PILE ECCENTRICITY SHALL BE 2 INCHES. GEOTECHNICAL SPECIAL INSPECTION SHALL BE SUBJECT TO THE DISCRETION OF THE GEOTECHNICAL ENGINEER AND THE BUILDING DEPARTMENT. SEE PLANS FOR OTHER SIZES AND CRITERIA.

CONCRETE

- 15. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF f'c = 3,000 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS. REQUIRED CONCRETE STRENGTH IS BASED ON THE DURABILITY REQUIREMENTS OF SECTION 1904 OF THE IBC. DESIGN STRENGTH IS f'c = 2,500 PSI.

- 16. A CONCRETE PERFORMANCE MIX SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 318, SECTION 5.3. THE USE OF A PERFORMANCE MIX REQUIRES BATCH PLANT INSPECTION. THE COST OF WHICH SHALL BE PAID BY THE GENERAL CONTRACTOR. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

- 17. ALL CONCRETE WITH SURFACES EXPOSED TO WEATHER OR STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, AND C618. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318, TABLE 19.3.2.1 MODERATE EXPOSURE, F1.

- 18. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, Fy = 60,000 PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

- 19. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 315-99 AND 318-11. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318-11, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

- 20. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS OR LARGER) 2"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALLER) . . . 1-1/2"
COLUMN TIES OR SPIRALS AND BEAM STIRRUPS 1-1/2"
SLABS AND WALLS (INT. FACE) . . . GREATER OF BAR DIAMETER PLUS 1/8" OR 3/4"

- 21. CONCRETE WALL REINFORCING—PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE:

8" WALLS #4 @ 12 HORIZ. #4 @ 18 VERTICAL 1 CURTAIN
10" WALLS #4 @ 18 HORIZ. #4 @ 18 VERTICAL 2 CURTAINS

- 22. CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE WALLS. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES; BOTH CAST-IN-PLACE AND PRECAST.

- 23. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (3000 PSI MINIMUM).

ANCHORAGE

- 24. ALL ANCHORS EMBEDDED IN MASONRY OR CONCRETE SHALL BE A307 HEADED BOLTS OR A36 THREADED ROD WITH AN ASTM 563 HEAVY HEX NUT TACK WELDED ON THE EMBEDDED END.
- 25. EXPANSION BOLTS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE "KWIK BOLT 12" AS MANUFACTURED BY THE HILTI CORP., INSTALLED IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-1917, INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. BOLTS INTO CONCRETE MASONRY OR BRICK MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. PERIODIC SPECIAL INSPECTION IS REQUIRED TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR LOCATION, TIGHTENING TORQUE, HOLE DIMENSIONS, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS.

- 26. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "HIT RE 500-SD" AS MANUFACTURED BY HILTI CORP. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2322. MINIMUM BASE MATERIAL TEMPERATURE IS 41 DEGREES F. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED. PERIODIC SPECIAL INSPECTION OF INSTALLATION IS REQUIRED TO VERIFY ANCHOR OR EMBEDDED BAR TYPE AND DIMENSIONS, LOCATION, ADHESIVE IDENTIFICATION AND EXPIRATION, HOLE DIMENSIONS, HOLE CLEANING PROCEDURE, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR HORIZONTAL AND OVERHEAD INSTALLATIONS.

- 27. CONCRETE SCREW ANCHORS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE "TITEN HD" HEAVY DUTY SCREW ANCHOR AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INSTALLED IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2713 (CONCRETE), NO. ESR-1056 (CMU), INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. SCREW ANCHORS INTO CONCRETE MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED.

- 28. DRIVE PINS AND OTHER POWDER-ACTUATED FASTENERS SHALL BE LOW VELOCITY TYPE (SERIES X-U, 0.157" DIAMETER (STEEL), UNLESS OTHERWISE NOTED) AS MANUFACTURED BY THE HILTI CORP. OR AN APPROVED EQUIVALENT IN STRENGTH AND EMBEDMENT. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-1663. MINIMUM EMBEDMENT IN CONCRETE SHALL BE 1" UNLESS OTHERWISE NOTED. MAINTAIN AT LEAST 3" TO NEAREST CONCRETE EDGE.

STEEL

- 29. STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION SHALL BE BASED ON:

- A. AISC 360 AND SECTION 2205.2 OF THE INTERNATIONAL BUILDING CODE.
- B. APRIL 14, 2010 AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AMENDED AS FOLLOWS: AS NOTED IN THE CONTRACT DOCUMENTS, BY THE DELETION OF PARAGRAPH 4.4.1, AND REVISE REFERENCE FROM "STRUCTURAL DESIGN DRAWINGS" TO "CONTRACT DOCUMENTS" IN PARAGRAPH 3.1.
- C. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.

- 30. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, Fy = 50 KSI. OTHER ROLLED SHAPES INCLUDING PLATES, SHALL CONFORM TO ASTM A36, Fy = 36 KSI. STEEL PIPE SHALL CONFORM TO ASTM A-53, TYPE E OR S, GRADE B, Fy = 35 KSI. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, Fy = 42 KSI (ROUND), Fy = 46 KSI (SQUARE AND RECTANGULAR). CONNECTION BOLTS SHALL CONFORM TO ASTM A307.

- 31. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10.4 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

- 32. ALL STEEL EXPOSED TO THE WEATHER OR IN CONTACT WITH GROUND SHALL BE CORROSION PROTECTED BY GALVANIZATION OR PROVIDED WITH EXTERIOR PAINT SYSTEM, UNLESS OTHERWISE NOTED.

- 33. SHOP PRIME ALL STEEL EXCEPT:

- A. SURFACES TO BE WELDED.
- B. MEMBERS TO BE GALVANIZED.
- C. MEMBERS WHICH WILL BE CONCEALED BY INTERIOR FINISHES.
- D. SURFACES TO RECEIVE OTHER SPECIAL SHOP PRIMERS.

- 34. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO CERTIFIED WELDERS USING E70XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED. ALL COMPLETE JOINT PENETRATION GROOVE WELDS SHALL BE MADE WITH A FILLER MATERIAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT -20 DEGREES F AND 40 FT - LBS AT 70 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

- 35. METAL FLOOR AND ROOF DECKING SHALL BE IN ACCORDANCE TO THE FOLLOWING: PROVIDE SIZE, TYPE, GAUGE, AND ATTACHMENT TO THE SUPPORTING STRUCTURE AS SHOWN ON THE PLANS. ARC SEAM AND SPOT (PUDDLE) WELDS FOR FIELD ASSEMBLY OF METAL DECK SHALL BE MADE WITH MINIMUM E60XX ELECTRODES. DECK ALTERNATES MUST BE CONNECTED ACCORDING TO PUBLISHED ICC-ES CRITERIA FOR DIAPHRAGM SHEARS SHOWN. PROVIDE TEMPORARY SHORING WHERE REQUIRED PER MANUFACTURER'S PUBLISHED CRITERIA.

- A. NONCOMPOSITE STEEL FLOOR DECKS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ANSI/SDI-NC1.0.

WOOD

- 36. FRAMING LUMBER SHALL BE S-DRY, KD, OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH NCLB STANDARD REGARDING RULES FOR WEST COAST LUMBER NO. 176, OR WMPA STANDARD, RWESTERN LUMBER GRADING RULES 2011. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

JOISTS (2X & 3X MEMBERS) AND BEAMS	HEM-FIR NO. 2
(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 1
	MINIMUM BASE VALUE, Fb = 850 PSF
BEAMS (INCL. 6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1
	MINIMUM BASE VALUE, Fb = 1350 PSF
POSTS (4X MEMBERS)	DOUGLAS FIR-LARCH NO. 2
	MINIMUM BASE VALUE, Fc = 1350 PSF
(6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1
	MINIMUM BASE VALUE, Fc = 1000 PSF
STUDS, PLATES & MISC. FRAMING:	DOUGLAS-FIR-LARCH OR HEM-FIR NO. 2

- 37. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND ANSI/AITC STANDARDS. EACH MEMBER SHALL BEAR AN AITC OR APA-EWS IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN AITC OR APA-EWS CERTIFICATE OF CONFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv = 265 PSI. ALL CANTILEVERED BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2400 PSI, Fv = 265 PSI. CAMBER ALL SIMPLE SPAN GLULAM BEAMS TO 3,500' RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.

- 38. MANUFACTURED LUMBER, PSL, LVL, AND LSL SHOWN ON PLAN ARE BASED PRODUCTS MANUFACTURED BY THE WEYERHAEUSER CORPORATION IN ACCORDANCE WITH ICC-ES REPORT ESR-1387. MEMBERS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

PSL (2.0E)	Fb = 2900 PSI, E = 2000 KSI, Fv = 290 PSI
LVL (2.0E)	Fb = 2600 PSI, E = 2000 KSI, Fv = 285 PSI
LSL (1.55E)	Fb = 2325 PSI, E = 1550 KSI, Fv = 310 PSI

ALTERNATE MANUFACTURED LUMBER MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE MANUFACTURER'S PRODUCTS SHALL BE COMPATIBLE WITH THE JOIST HANGERS AND OTHER HARDWARE SPECIFIED ON PLANS, OR ALTERNATE HANGERS AND HARDWARE SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. SUBSTITUTED ITEMS SHALL HAVE ICC-ES REPORT APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES.

MANUFACTURED LUMBER PRODUCTS SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%. EXCESSIVE DEFLECTIONS MAY OCCUR IF MOISTURE CONTENT EXCEEDS THIS VALUE.

- 39. PREFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE "NATIONAL DESIGN STANDARD FOR METAL PLATE-CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/PTI 1" BY THE TRUSS PLATE INSTITUTE FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS. LOADING SHALL BE AS FOLLOWS:

TOP CHORD LIVE LOAD	25 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	5 PSF
TOTAL LOAD	40 PSF

WIND UPLIFT (TOP CHORD)	5 PSF
BOTTOM CHORD LIVE LOAD	10 PSF
(BOTTOM CHORD LIVE LOAD DOES NOT ACT CONCURRENTLY WITH THE ROOF LIVE LOAD)	

WOOD TRUSSES SHALL UTILIZE APPROVED CONNECTOR PLATES (GANGNAIL OR EQUAL). SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SUBMITTED DOCUMENTS SHALL BE SIGNED AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON, PROVIDE FOR SHAPES, BEARING POINTS, INTERSECTIONS, HIPS, VALLEYS, ETC. SHOWN ON THE DRAWINGS. EXACT COMPOSITION OF SPECIAL HIP, VALLEY, AND INTERSECTION AREAS (USE OF GIRDER TRUSSES, JACK TRUSSES, STEP-DOWN TRUSSES, ETC.) SHALL BE DETERMINED BY THE MANUFACTURER UNLESS SPECIFICALLY INDICATED ON THE PLANS. PROVIDE ALL TRUSS TO TRUSS AND TRUSS TO GIRDER TRUSS CONNECTION DETAILS AND REQUIRED CONNECTION MATERIALS. PROVIDE FOR ALL TEMPORARY AND PERMANENT TRUSS BRACING AND BRIDGING.

- 40. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DOC P5 1 OR P5 2. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD.

ROOF SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 32/16.

FLOOR SHEATHING SHALL BE 1-1/8" (NOMINAL) WITH SPAN RATING 48/24.

WALL SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 24/0.

PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOISTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING.

REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING REQUIREMENTS.

- 41. ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE OR (2) LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER SHALL BE PROVIDED BETWEEN UNTREATED WOOD AND CONCRETE OR MASONRY.

- 42. PRESERVATIVE TREATED WOOD SHALL BE TREATED PER WPA STANDARD U1 TO THE USE CATEGORY EQUAL TO OR HIGHER THAN THE INTENDED APPLICATION. TREATED WOOD FOR ABOVE GROUND USE SHALL BE TREATED TO AMPA UC3B. WOOD IN CONTINUOUS CONTACT WITH FRESH WATER OR SOIL SHALL BE TREATED TO AMPA UC4A. WOOD FOR USE IN PERMANENT FOUNDATIONS SHALL BE TREATED TO AMPA UC4B.

- 43. FASTENERS AND TIMBER CONNECTORS USED WITH TREATED WOOD SHALL HAVE CORROSION RESISTANCE AS INDICATED IN THE FOLLOWING TABLE, UNLESS OTHERWISE NOTED.

WOOD TREATMENT	CONDITION	PROTECTION
HAS NO AMMONIA CARRIER	INTERIOR DRY	G90 GALVANIZED
CONTAINS AMMONIA CARRIER	INTERIOR DRY	G185 OR A185 HOT DIPPED OR CONTINUOUS HOT-GALVANIZED PER ASTM A653
CONTAINS AMMONIA CARRIER	INTERIOR WET	TYPE 304 OR 316 STAINLESS
CONTAINS AMMONIA CARRIER	EXTERIOR	TYPE 304 OR 316 STAINLESS
AZCA	ANY	TYPE 304 OR 316 STAINLESS

INTERIOR DRY CONDITIONS SHALL HAVE WOOD MOISTURE CONTENT LESS THAN 19%. WOOD MOISTURE CONTENT IN OTHER CONDITIONS (INTERIOR WET, INTERIOR WET, AND EXTERIOR DRY) IS EXPECTED TO EXCEED 19%. CONNECTORS AND THEIR FASTENERS SHALL BE THE SAME MATERIAL, COMPLY WITH THE TREATMENT MANUFACTURERS RECOMMENDATIONS FOR PROTECTION OF METAL.

- 44. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C-2015. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER FOR MAXIMUM LOAD CARRYING CAPACITY. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL 2X JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST HANGERS. ALL TJI JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "TIS" SERIES JOIST HANGERS. ALL DOUBLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH "MIT" SERIES JOIST HANGERS.

WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER.

ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM)AS MEMBERS CONNECTED.

- 45. WOOD FASTENERS

- A. NAIL SIZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

SIZE	LENGTH	DIAMETER
8d	2-1/2"	0.131"
16d BOX	3-1/2"	0.135"

IF CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS, THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE STRUCTURAL ENGINEER (PRIOR TO CONSTRUCTION) FOR REVIEW AND APPROVAL.

NAILS - PLYWOOD (APA RATED SHEATHING) FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO COUNTERSINKING PERMITTED. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREE WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END.

- B. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG BOLTS BEARING ON WOOD. INSTALLATION OF LAG BOLTS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH A LEAD BORE HOLE OF 60 TO 70 PERCENT OF THE SHANK DIAMETER. LEAD HOLES ARE NOT REQUIRED FOR 3/8" AND SMALLER LAG SCREWS.

- 46. NOTCHES AND HOLES IN WOOD FRAMING:

- A. NOTCHES ON THE ENDS OF SOLID SAWN JOISTS AND RAFTERS SHALL NOT EXCEED ONE-FOURTH THE JOIST DEPTH. NOTCHES IN THE TOP OR BOTTOM OF SOLID SAWN JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. HOLES BORED IN SOLID SAWN JOISTS AND RAFTERS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE JOIST.

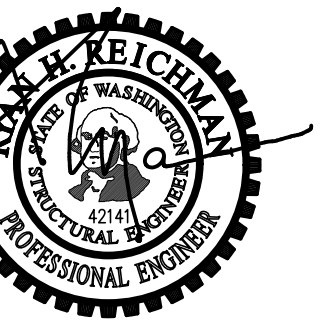
- B. IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD IS PERMITTED TO BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH IS PERMITTED TO BE BORED IN ANY WOOD STUD. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8 INCH TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH.

- C. NOTCHES AND HOLES IN MANUFACTURED LUMBER AND PREFABRICATED PLYWOOD WEB JOISTS SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE NOTED.

- 47. WOOD FRAMING NOTES--THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:

- A. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE, THE AITC "TIMBER CONSTRUCTION MANUAL" AND THE WPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION". MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO IBC TABLE 2304.10.1. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

- B. WALL FRAMING: REFER ARCHITECTURAL DRAWINGS FOR THE SIZE OF ALL WALLS. ALL STUDS SHALL BE SPACED AT 16" O.C. UNO. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS, AND AT BEAM OR HEADER BEARING LOCATIONS. TWO 2X8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH



DRAWN:	KMB
DESIGN:	RDH/JWJ
CHECKED:	RDH
APPROVED:	RHR

REVISIONS:

DPD:

PROJECT TITLE:

Ogden Point
 Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

ARCHITECT:

Demetriou Architects
 5555 Lakeview Drive, Suite 200
 Kirkland, WA 98033
 PH 425-827-170

ISSUE:

Permit

SHEET TITLE:

Foundation
 Plan

SCALE:

1/4" = 1'-0" U.N.O.

DATE:

November 10, 2017

PROJECT NO:

00641-2017-01

SHEET NO:

S2.1

NO: OF SHEETS:

Plan Notes

- DO NOT SCALE DRAWINGS. REFER ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 18" MINIMUM BELOW GRADE. FOOTINGS AND GRADE BEAMS SHALL BE SURROUNDED BY LEVEL COMPACTED STRUCTURAL FILL PER THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
- STRUCTURAL SLABS SHALL BE AS NOTED ON PLAN. REINFORCE PER PLAN. PROVIDE VAPOR BARRIER BELOW SLAB OVER UNIFORM BASE PREPARED PER RECOMMENDATIONS IN GEOTECHNICAL REPORT. FOR ACTUAL TOP OF SLAB ELEVATIONS, REFER TO ARCHITECTURAL DRAWINGS.
- PROVIDE CONTROL OR CONSTRUCTION JOINTS IN SLABS ON GRADE TO DIVIDE SLAB INTO RECTANGULAR AREAS OF 250 SQUARE FEET OR LESS. AREAS SHALL BE APPROXIMATELY SQUARE IN SHAPE AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS MUST BE APPROVED BY THE ARCHITECT.
- REFER TO DETAIL 4/S3.1 FOR MAXIMUM PIPE SLEEVE REQUIREMENTS THROUGH FOUNDATION WALLS AND FOOTINGS.
- PROVIDE CORNER BARS AT ALL CONCRETE WALL INTERSECTIONS PER DETAIL 2/S3.1.
- STEP GRADE BEAMS AS REQUIRED TO FOLLOW GRADE. REFER TO DETAIL 3/S3.1 FOR STEPPED GRADE BEAM REQUIREMENTS.
- PIPE PILES SHALL BE CENTERED BELOW CONCRETE WALLS ABOVE UNLESS SHOWN OTHERWISE AND SHALL BE DRIVEN TO REFUSAL IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
- PROVIDE BRICK VENEER TIES PER DETAIL 12/S4.3.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

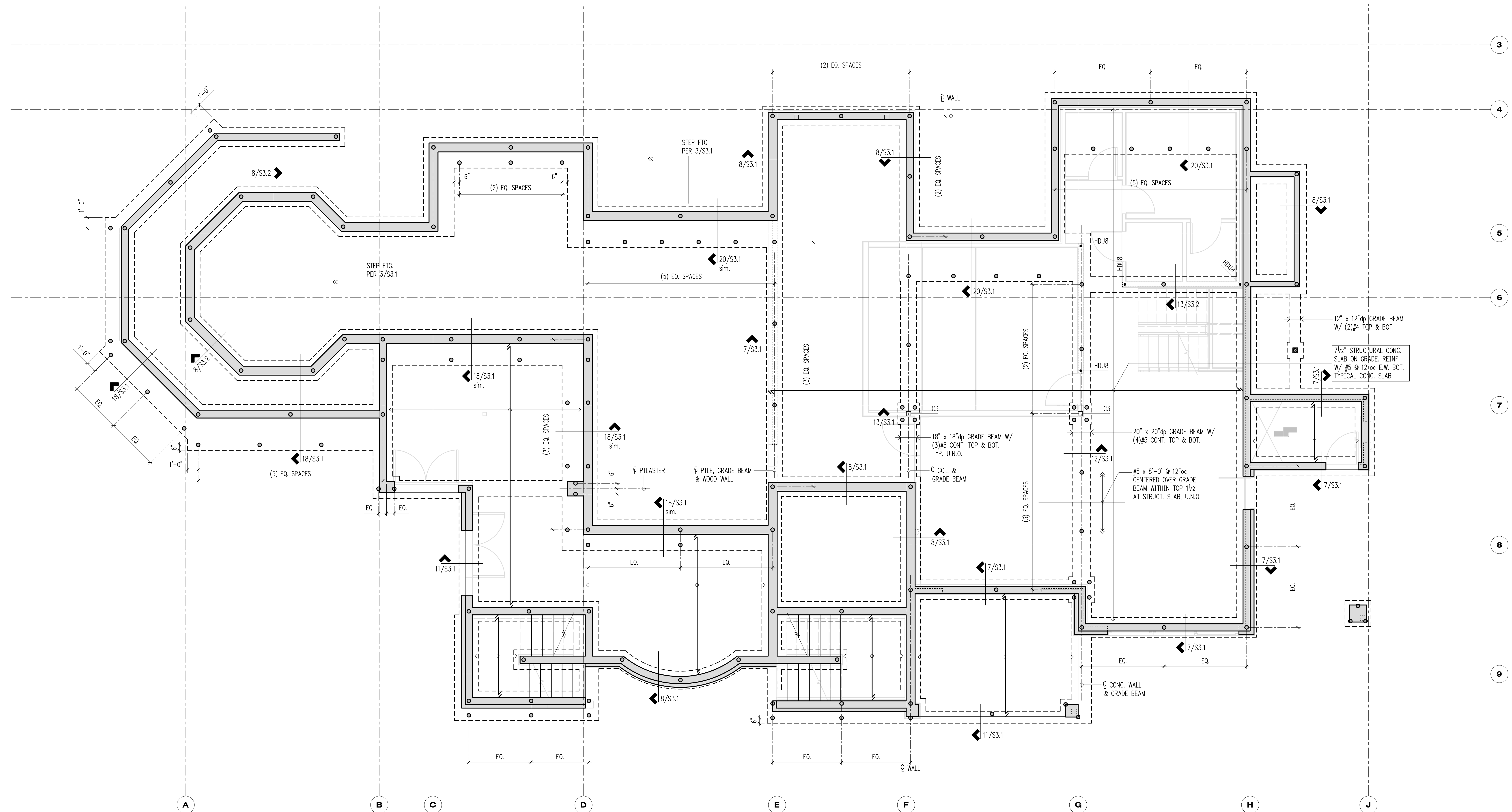
- CONCRETE WALL
- CONCRETE FOOTING OR GRADE BEAM
- STRUCTURAL WALL ABOVE
- EXTENTS OF SLAB
- SPAN & DIRECTION OF STRUCTURAL CONCRETE SLAB
- COLUMN ABOVE PER SCHEDULE
- 4" STD. PIPE PILE DRIVEN TO REFUSAL
- HOLDOWN PER SCHEDULE
- STEP AT TOP OF CONCRETE WALL
- STEP IN SLAB ELEVATION

Foundation Plan

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

Column Schedule

Mark	Column
C1	PSL 5/4x5/4
C2	HSS 3x3x1/4
C3	HSS 5x5x1/4



Plan Notes

- 1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
2. ALL NEW FOOTINGS SHALL BEAR ON FIRM UNDISTURBED NATIVE SOILS AT A MINIMUM DEPTH OF 18" BELOW FINISH GRADE.
3. GARAGE SLAB SHALL BE 4" MINIMUM THICKNESS. REINFORCE WITH 6x6 W1.4xW1.4 WMM CENTERED IN SLAB. PROVIDE VAPOR BARRIER BELOW SLAB OVER 4" MINIMUM FREE DRAINING GRAVEL OVER FIRM NATIVE SOILS OR STRUCTURAL FILL.
4. REFER TO DETAIL 3/S3.1 FOR STEPPED FOOTING REQUIREMENTS.
5. REFER TO DETAIL 4/S3.1 FOR FOOTING REQUIREMENTS AT MECHANICAL PIPING CONFLICTS AT FOUNDATIONS/SLABS.
6. REFER TO DETAIL 2/S3.1 FOR CORNER BAR REINFORCEMENT AT WALLS AND FOOTINGS.
7. TYPICAL WOOD FLOOR FRAMING CONSISTS OF 1 1/2" CYPCRETE OVER 1 1/8" T&G PLYWOOD, FACE GRAIN PERPENDICULAR TO SUPPORTS OVER JOISTS PER PLAN. NAIL SHEATHING WITH B4 AT 6"oc EDGES AND OVER SHEAR WALLS, 12"oc FIELD. SEE PLANS FOR ADDITIONAL JOIST REQUIREMENTS.
8. PROVIDE AC, ACE, PC, EPC, LPC, OR LCE COLUMN CAP AND BASE AT ALL BEAM TO ISOLATED COLUMN CONNECTIONS U.N.O.
9. ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE FULL CONTINUOUS BEARING THROUGH FLOORS TO FOUNDATION.
10. "W." INDICATES NEW PLYWOOD SHEAR WALL BELOW FRAMING SHOWN. REFER TO SHEAR WALL SCHEDULE DETAIL 20/S4.1 FOR WALL ATTACHMENTS. ALL EXTERIOR WOOD FRAMED WALLS ARE W6, U.N.O.
11. ALL WOOD HEADERS SHALL BE H1, U.N.O. PROVIDE (2) BEARING STUDS AT EACH END OF ALL HEADERS AND BEAMS U.N.O., REFER TO DETAIL 4/S4.1 FOR TYPICAL HEADER INSTALLATION.
12. MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, CL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAM FROM EXCEEDING 12%.
13. NOTE TO TRUSS MANUFACTURER: FLOOR FRAMING DEFLECTION CRITERIA BASED ON: L.L=L/700; D.L+L.L=L/500
14. PROVIDE BRICK VENEER TIES PER DETAIL 12/S4.3.
15. REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

- STRUCTURAL WALL BELOW
NON-STRUCTURAL WALL BELOW
CONCRETE WALL
CONCRETE FOOTING OR GRADE BEAM
STRUCTURAL WALL ABOVE
EXTENTS OF FRAMING
SPAN & DIRECTION OF FRAMING
SHEARWALL PER SCHEDULE 20/S4.1
BEAM/JOIST HANGER
NUMBER OF BUNDLED STUDS IN BUILT-UP COLUMN
COLUMN PER SCHEDULE
HOLDOWN STRAPS PER 1/S4.1
HOLDOWN PER SCHEDULE 15/S3.1
CS16 x 3"-0" STRAP PLACED OVER PLYWOOD & NAILED TO FULL DEPTH BLOCKING BETWEEN TRUSSES
STEP AT TOP OF CONCRETE WALL
STEP IN SLAB ELEVATION
4" DIA. PIPE PILE DRIVEN TO REFUSAL
STEEL LINTEL VENEER SUPPORT PER SCHEDULE 16/S4.3

Main Floor Framing Plan

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

Beam Schedule

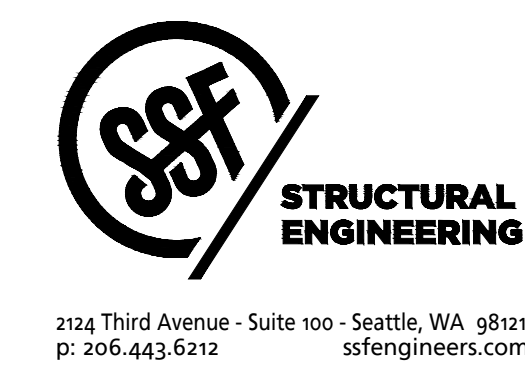
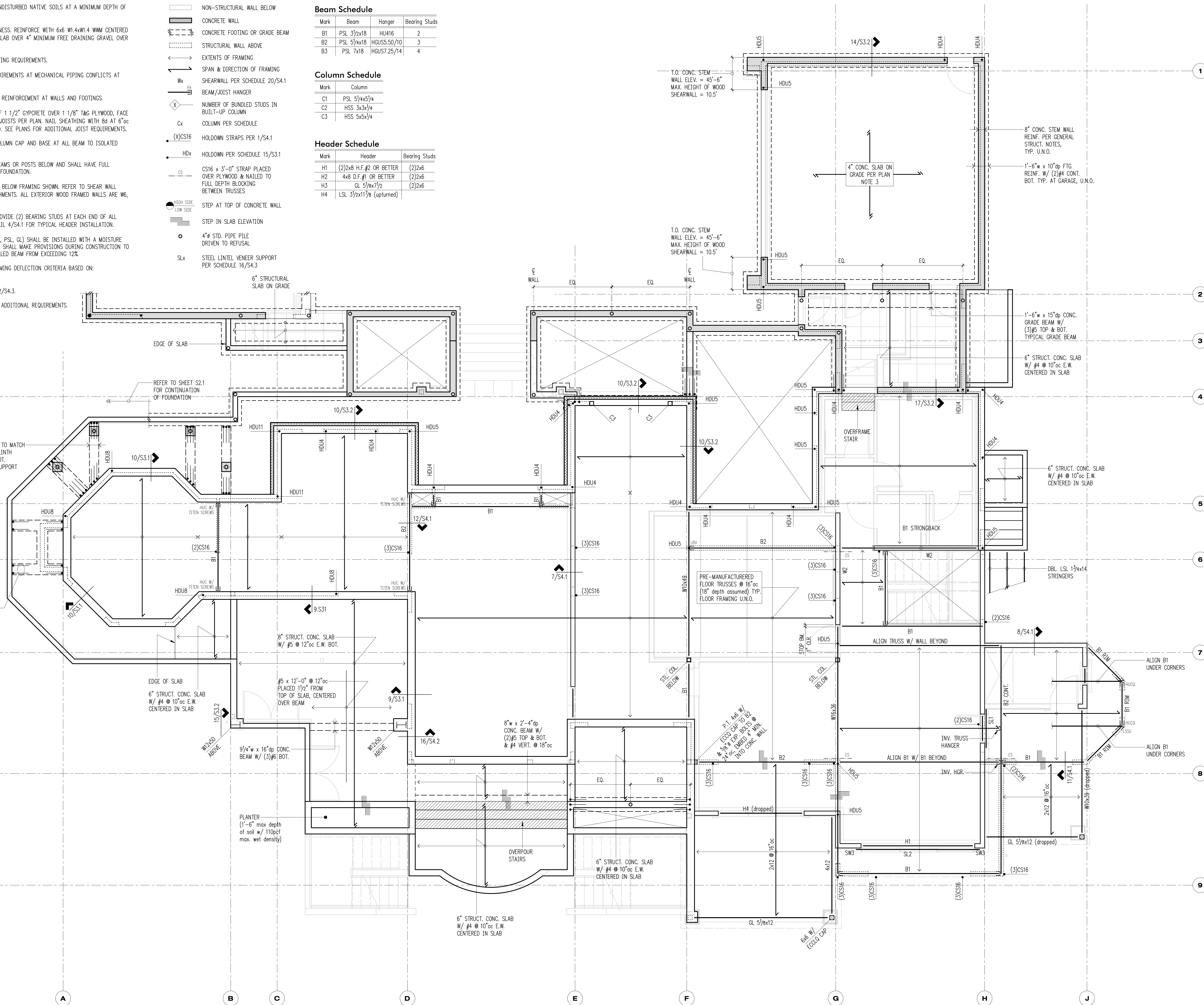
Table with 4 columns: Mark, Beam, Hanger, Bearing Studs. Rows include B1, B2, B3.

Column Schedule

Table with 2 columns: Mark, Column. Rows include C1, C2, C3.

Header Schedule

Table with 3 columns: Mark, Header, Bearing Studs. Rows include H1, H2, H3, H4.



DRAWN: KMB
DESIGN: RDH/JWJ
CHECKED: RDH
APPROVED: RHR

REVISIONS
DPD:

PROJECT TITLE:
Ogden Point Residence
3675 W Mercer Way
Mercer Island, WA 98040

ARCHITECT:
Demetriou Architects
5555 Lakeview Drive, Suite 200
Kirkland, WA 98033
PH 425-827-170

Permit
Main Floor Framing Plan
SCALE: 1/4" = 1'-0" U.N.O.
DATE: November 10, 2017
PROJECT NO: 00641-2017-01
SHEET NO:

S2.2
NO. OF SHEETS:

Plan Notes

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- TYPICAL WOOD FLOOR FRAMING CONSISTS OF 3/4" T&G PLYWOOD, FACE GRAIN PERPENDICULAR TO SUPPORTS OVER JOISTS PER PLAN. NAIL SHEATHING WITH 8d AT 6"oc EDGES AND OVER SHEAR WALLS, 12"oc FIELD. SEE PLANS FOR ADDITIONAL JOIST REQUIREMENTS.
- TYPICAL WOOD FLOOR FRAMING CONSISTS OF 1 1/2" GYPCRETE OVER 1 1/8" T&G PLYWOOD, FACE GRAIN PERPENDICULAR TO SUPPORTS OVER JOISTS PER PLAN. NAIL SHEATHING WITH 8d AT 6"oc EDGES AND OVER SHEAR WALLS, 12"oc FIELD. SEE PLANS FOR ADDITIONAL JOIST REQUIREMENTS.
- PROVIDE AC, ACE, PC, EPC, LPC, OR LCE COLUMN CAP AND BASE AT ALL BEAM TO ISOLATED COLUMN CONNECTIONS U.N.O.
- ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE FULL CONTINUOUS BEARING THROUGH FLOORS TO FOUNDATION.
- "W." INDICATES NEW PLYWOOD SHEAR WALL FRAMING SHOWN. REFER TO SHEAR WALL SCHEDULE DETAIL 20/S4.1 FOR WALL ATTACHMENTS. ALL EXTERIOR WOOD FRAMED WALLS ARE W6, U.N.O.
- ALL WOOD HEADERS SHALL BE H1, U.N.O. PROVIDE (2) BEARING STUDS AT EACH END OF ALL HEADERS AND BEAMS U.N.O. REFER TO DETAIL 4/S4.1 FOR TYPICAL HEADER INSTALLATION.
- MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, CL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAM FROM EXCEEDING 12%.
- NOTE TO TRUSS MANUFACTURER: FLOOR FRAMING DEFLECTION CRITERIA BASED ON: LL=L/700; D.L.+LL=L/500
- PROVIDE BRICK VENEER TIES PER DETAIL 12/S4.3.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

- STRUCTURAL WALL BELOW
- NON-STRUCTURAL WALL BELOW
- EXTENTS OF FRAMING
- SPAN & DIRECTION OF FRAMING
- SHEARWALL PER SCHEDULE 20/S4.1
- BEAM/JOIST HANGER
- NUMBER OF BUNDLED STUDS IN BUILT-UP COLUMN
- COLUMN PER SCHEDULE
- HOLDOWN STRAPS PER 1/S4.1
- HOLDOWN PER SCHEDULE 15/S3.1
- CS16 x 3"-0" STRAP PLACED OVER PLYWOOD & NAILED TO FULL DEPTH BLOCKING BETWEEN TRUSSES
- STEEL LINTEL VENEER SUPPORT PER SCHEDULE 16/S4.3

Upper Floor Framing Plan
Scale: 1/4" = 1'-0"

Beam Schedule

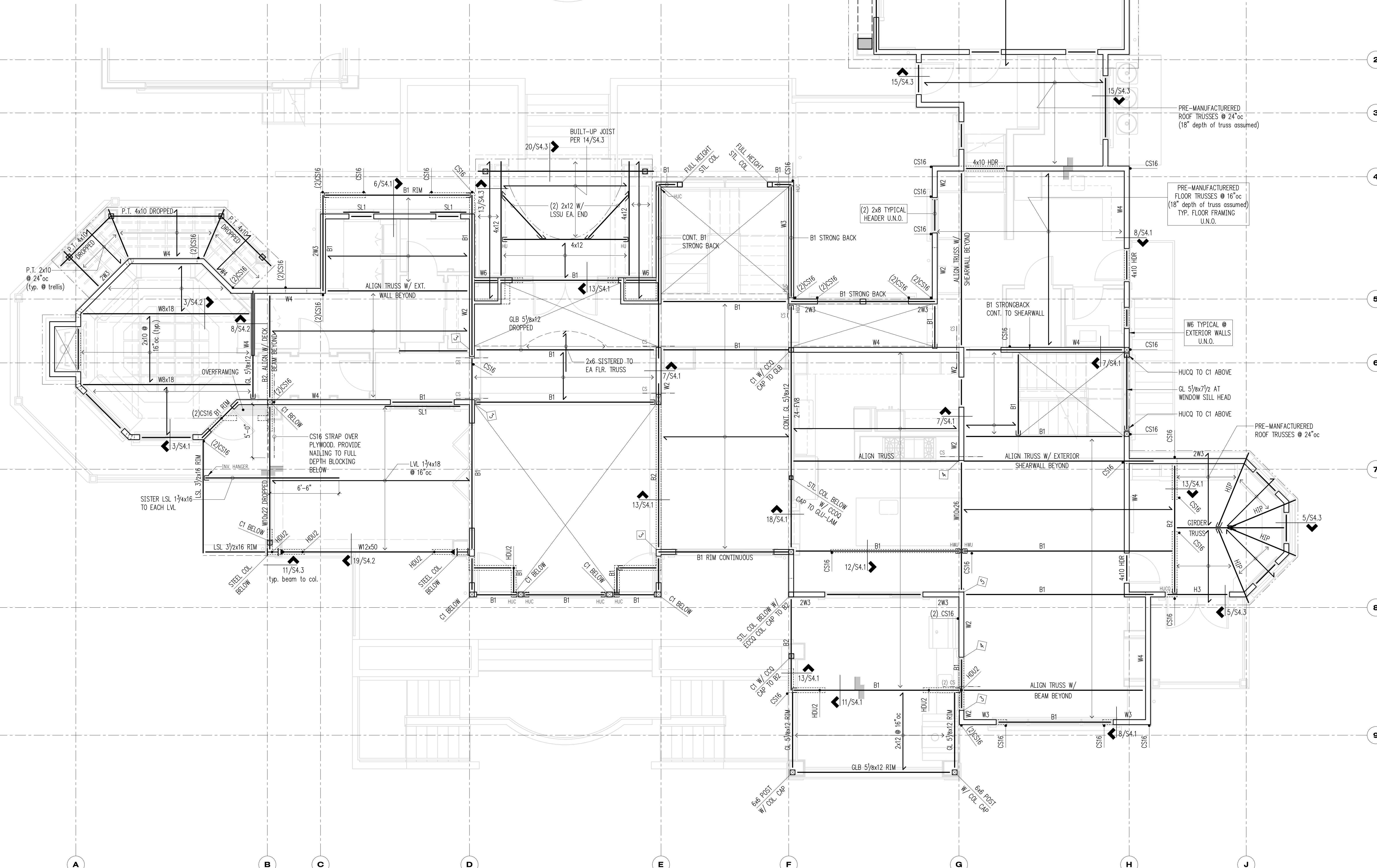
Mark	Beam	Hanger	Bearing Studs
B1	PSL 3/2x18	HU416	2
B2	PSL 5/4x18	HGU55.50/10	3
B3	PSL 7x18	HGU57.25/14	4

Column Schedule

Mark	Column
C1	PSL 5/4x5/4
C2	HSS 3x3x1/4
C3	HSS 5x5x1/4

Header Schedule

Mark	Header	Bearing Studs
H1	(2)2x8 H.F.#2 OR BETTER	(2)2x6
H2	4x8 D.F.#1 OR BETTER	(2)2x6
H3	GL 5/8x7/2	(2)2x6
H4	LSL 3/2x11/8 (upturned)	



DRAWN: KMB
DESIGN: RDH/JWJ
CHECKED: RDH
APPROVED: RHR

REVISIONS:

NO.	DESCRIPTION

DPD:

PROJECT TITLE:
Ogden Point Residence
3675 W Mercer Way
Mercer Island, WA 98040

ARCHITECT:
Demetriou Architects
5555 Lakeview Drive, Suite 200
Kirkland, WA 98033
PH 425-827-170

ISSUE:
Permit

SHEET TITLE:
Upper Floor Framing Plan
SCALE: 1/4" = 1'-0" U.N.O.
DATE: November 10, 2017
PROJECT NO: 00641-2017-01
SHEET NO:

Plan Notes

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- TYPICAL WOOD ROOF FRAMING CONSISTS OF 1/2" CDX PLYWOOD, FACE GRAIN PERPENDICULAR TO SUPPORTS OVER SUPPORTS PER PLAN. NAIL SHEATHING WITH 8d AT 6"oc EDGES AND OVER SHEAR WALLS, 12"oc FIELD. SEE PLANS FOR ADDITIONAL JOIST REQUIREMENTS.
- PROVIDE AC, ACE, PC, EPC, LPC, OR LCE COLUMN CAP AND BASE AT ALL BEAM TO ISOLATED COLUMN CONNECTIONS U.N.O.
- ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE FULL CONTINUOUS BEARING THROUGH FLOORS TO FOUNDATION.
- "W_" INDICATES NEW PLYWOOD SHEAR WALL BELOW FRAMING SHOWN. REFER TO SHEAR WALL SCHEDULE DETAIL 20/S4.1 FOR WALL ATTACHMENTS. ALL EXTERIOR WOOD FRAMED WALLS ARE W6, U.N.O.
- ALL WOOD HEADERS SHALL BE H1, U.N.O. PROVIDE (2) BEARING STUDS AT EACH END OF ALL HEADERS AND BEAMS U.N.O., REFER TO DETAIL 4/S4.1 FOR TYPICAL HEADER INSTALLATION.
- MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, GL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAM FROM EXCEEDING 12%.
- PROVIDE BRICK VENEER TIES PER DETAIL 12/S4.3.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

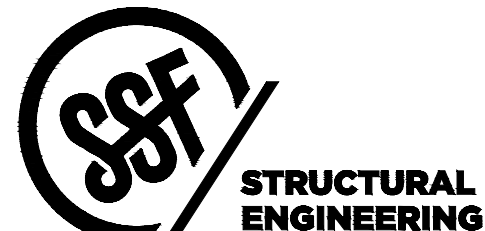
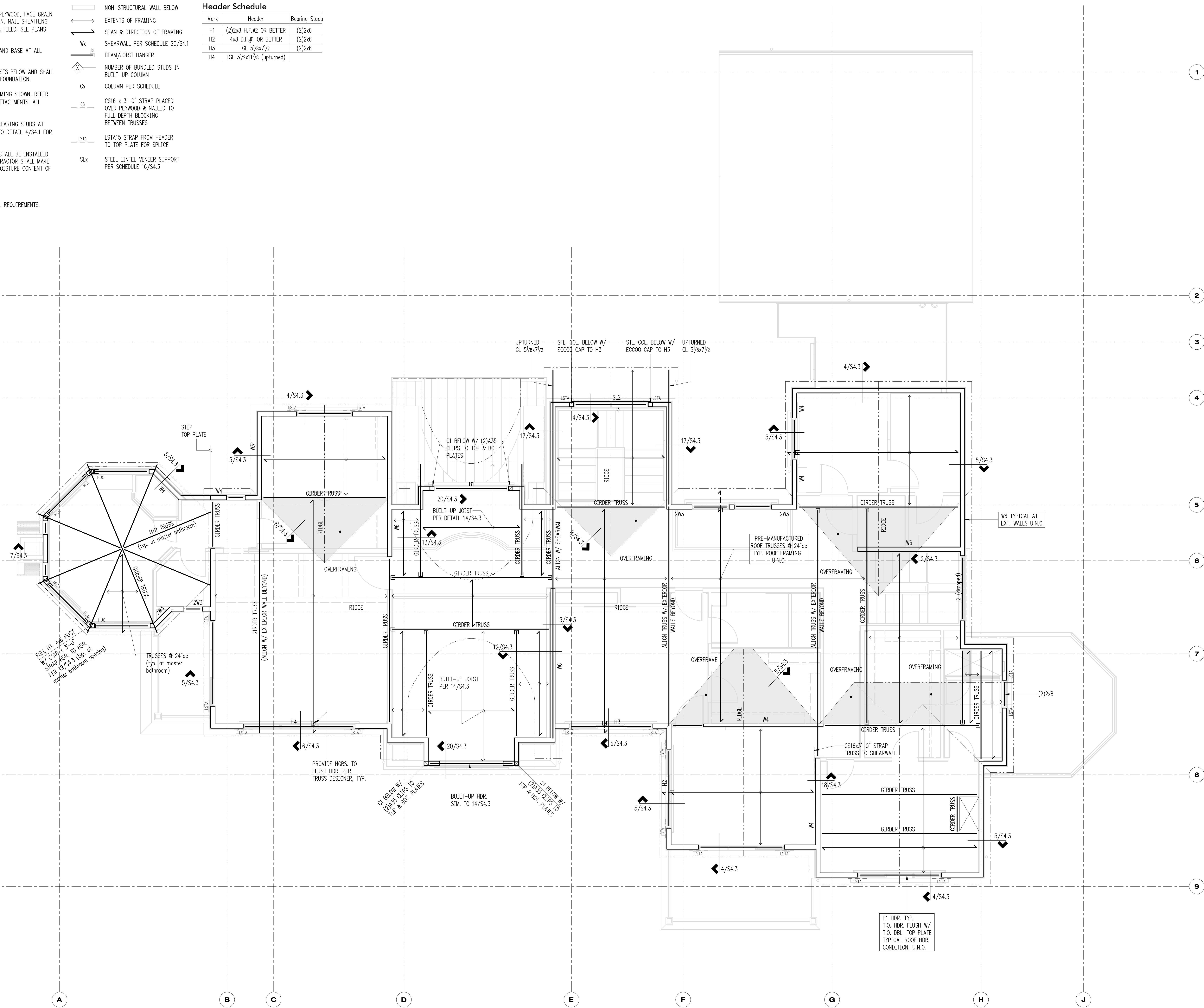
- STRUCTURAL WALL BELOW
- NON-STRUCTURAL WALL BELOW
- EXTENTS OF FRAMING
- SPAN & DIRECTION OF FRAMING
- SHEARWALL PER SCHEDULE 20/S4.1
- BEAM/JOIST HANGER
- NUMBER OF BUNDLED STUDS IN BUILT-UP COLUMN
- COLUMN PER SCHEDULE
- CS16 x 3"-0" STRAP PLACED OVER PLYWOOD & NAILED TO FULL DEPTH BLOCKING BETWEEN TRUSSES
- LST15 STRAP FROM HEADER TO TOP PLATE FOR SPLICE
- STEEL LINTEL VENEER SUPPORT PER SCHEDULE 16/S4.3

High Roof Framing Plan

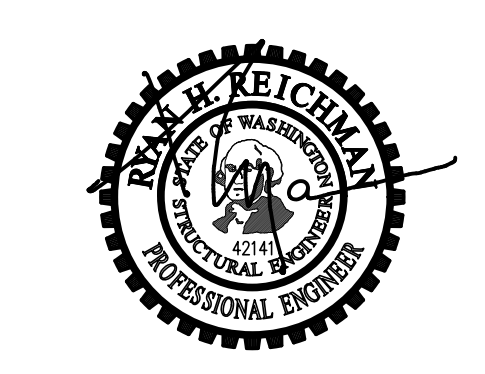
Scale: 1/4" = 1'-0"

Header Schedule

Mark	Header	Bearing Studs
H1	(2)2x8 H.F.#2 OR BETTER	(2)2x6
H2	4x8 D.F.#1 OR BETTER	(2)2x6
H3	GL 5/8x7/2	(2)2x6
H4	LSL 3/2x11/8 (upturned)	



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DRAWN: KMB
 DESIGN: RDH/JWJ
 CHECKED: RDH
 APPROVED: RHR

REVISIONS:

NO.	DESCRIPTION

DPD:

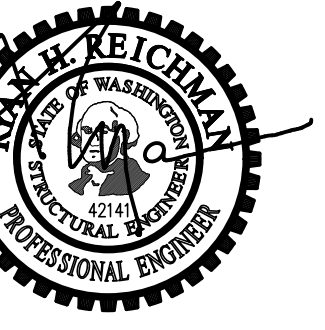
PROJECT TITLE:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

ARCHITECT:
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 PH 425-827-170

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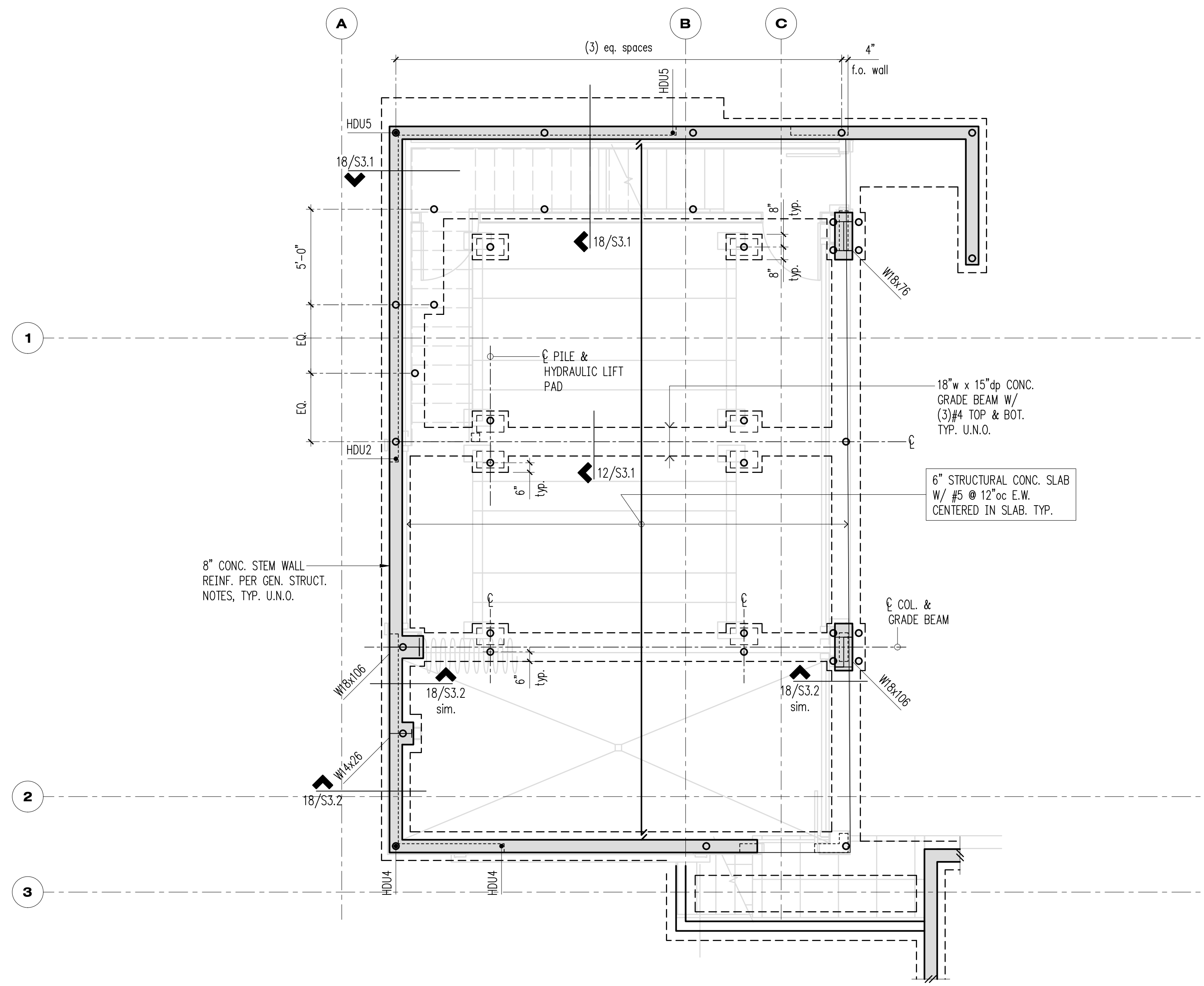
SHEET TITLE:
High Roof Framing Plan
 SCALE: 1/4" = 1'-0" U.N.O.
 DATE: November 10, 2017
 PROJECT NO: 00641-2017-01
 SHEET NO:

S2.4
 NO: OF SHEETS:



DRAWN: KMB
 DESIGN: RDH/JWJ
 CHECKED: RDH
 APPROVED: RHR

REVISIONS:



Guest House Foundation Plan
 Scale: 1/4" = 1'-0"

- Plan Notes**
- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
 - ALL NEW FOOTINGS SHALL BEAR ON FIRM UNDISTURBED NATIVE SOILS AT A MINIMUM DEPTH OF 18" BELOW FINISH GRADE.
 - REFER TO DETAIL 3/S3.1 FOR STEPPED FOOTING REQUIREMENTS.
 - REFER TO DETAIL 4/S3.1 FOR FOOTING REQUIREMENTS AT MECHANICAL PIPING CONFLICTS AT FOUNDATIONS/SLABS.
 - REFER TO DETAIL 2/S3.1 FOR CORNER BAR REINFORCEMENT AT WALLS AND FOOTINGS.
 - TYPICAL WOOD FLOOR FRAMING CONSISTS OF 1 1/2" GYP-CRETE OVER 1 1/8" T&G PLYWOOD, FACE GRAIN PERPENDICULAR TO SUPPORTS OVER JOISTS PER PLAN. NAIL SHEATHING WITH 8d AT 6" OC EDGES AND OVER SHEAR WALLS, 12" OC FIELD. SEE PLANS FOR ADDITIONAL JOIST REQUIREMENTS.
 - TYPICAL WOOD ROOF FRAMING CONSISTS OF 1/2" CDX PLYWOOD, FACE GRAIN PERPENDICULAR TO SUPPORTS OVER JOISTS PER PLAN. NAIL SHEATHING WITH 8d AT 6" OC EDGES AND OVER SHEAR WALLS, 12" OC FIELD. SEE PLANS FOR ADDITIONAL JOIST REQUIREMENTS.
 - PROVIDE AC, ACE, PC, EPC, LPC, OR LCE COLUMN CAP AND BASE AT ALL BEAM TO ISOLATED COLUMN CONNECTIONS U.N.O.
 - ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE FULL CONTINUOUS BEARING THROUGH FLOORS TO FOUNDATION.
 - "W.L." INDICATES NEW PLYWOOD SHEAR WALL BELOW FRAMING SHOWN. REFER TO SHEAR WALL SCHEDULE DETAIL 20/S4.1 FOR WALL ATTACHMENTS. ALL EXTERIOR WOOD FRAMED WALLS ARE W6, U.N.O.
 - ALL WOOD HEADERS SHALL BE (2) 2x8, U.N.O. PROVIDE (2) BEARING STUDS AT EACH END OF ALL HEADERS AND BEAMS U.N.O., REFER TO DETAIL 4/S4.1 FOR TYPICAL HEADER INSTALLATION.
 - MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, GL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAM FROM EXCEEDING 12%.
 - NOTE TO TRUSS MANUFACTURER: FLOOR FRAMING DEFLECTION CRITERIA BASED ON:
 L.L.=L/700; D.L.+L.L.=L/500
 - PROVIDE BRICK VENEER TIES PER DETAIL 12/S4.3.
 - REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

	STRUCTURAL WALL BELOW
	NON-STRUCTURAL WALL BELOW
	CONCRETE WALL
	CONCRETE FOOTING OR GRADE BEAM
	EXTENTS OF FRAMING
	SPAN & DIRECTION OF FRAMING
	SHEARWALL PER SCHEDULE 20/S4.1
	BEAM/JOIST HANGER
	NUMBER OF BUNDLED STUDS IN BUILT-UP COLUMN
	Cx COLUMN PER SCHEDULE
	(X)CS16 HOLDDOWN STRAPS PER 1/S4.1
	HDx HOLDDOWN PER SCHEDULE 15/S3.1
	CS16 x 3'-0" STRAP PLACED OVER PLYWOOD & NAILED TO FULL DEPTH BLOCKING BETWEEN TRUSSES
	STEP AT TOP OF CONCRETE WALL
	STEP IN SLAB ELEVATION
	4" STD. PIPE PILE DRIVEN TO REFUSAL
	SLx STEEL LINTEL VENEER SUPPORT PER SCHEDULE 16/S4.3

Beam Schedule

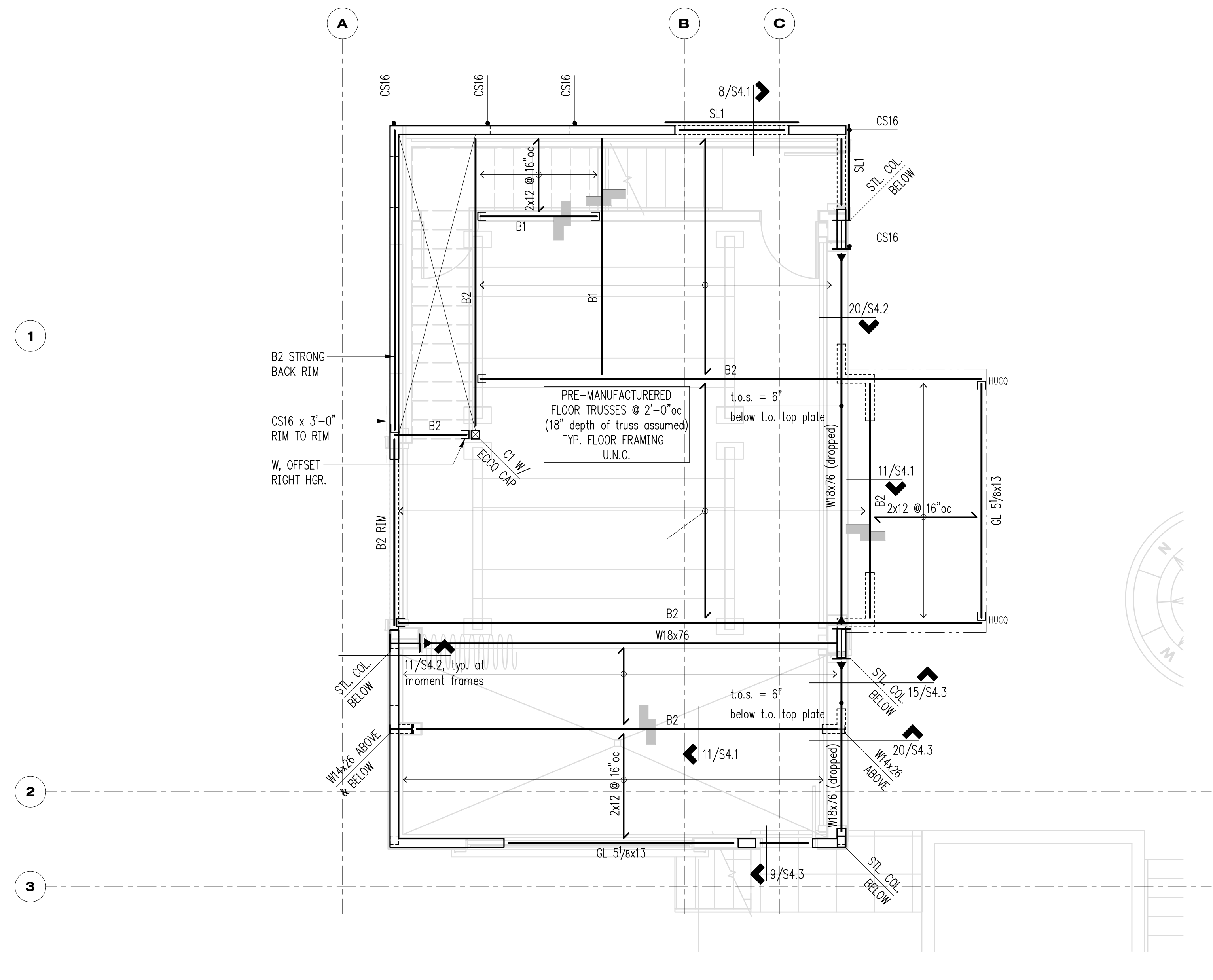
Mark	Beam	Hanger	Bearing Studs
B1	PSL 3 1/2 x 18	HU416	2
B2	PSL 5 1/2 x 18	HGUS5.50/10	3
B3	PSL 7 x 18	HGUS7.25/14	4

Column Schedule

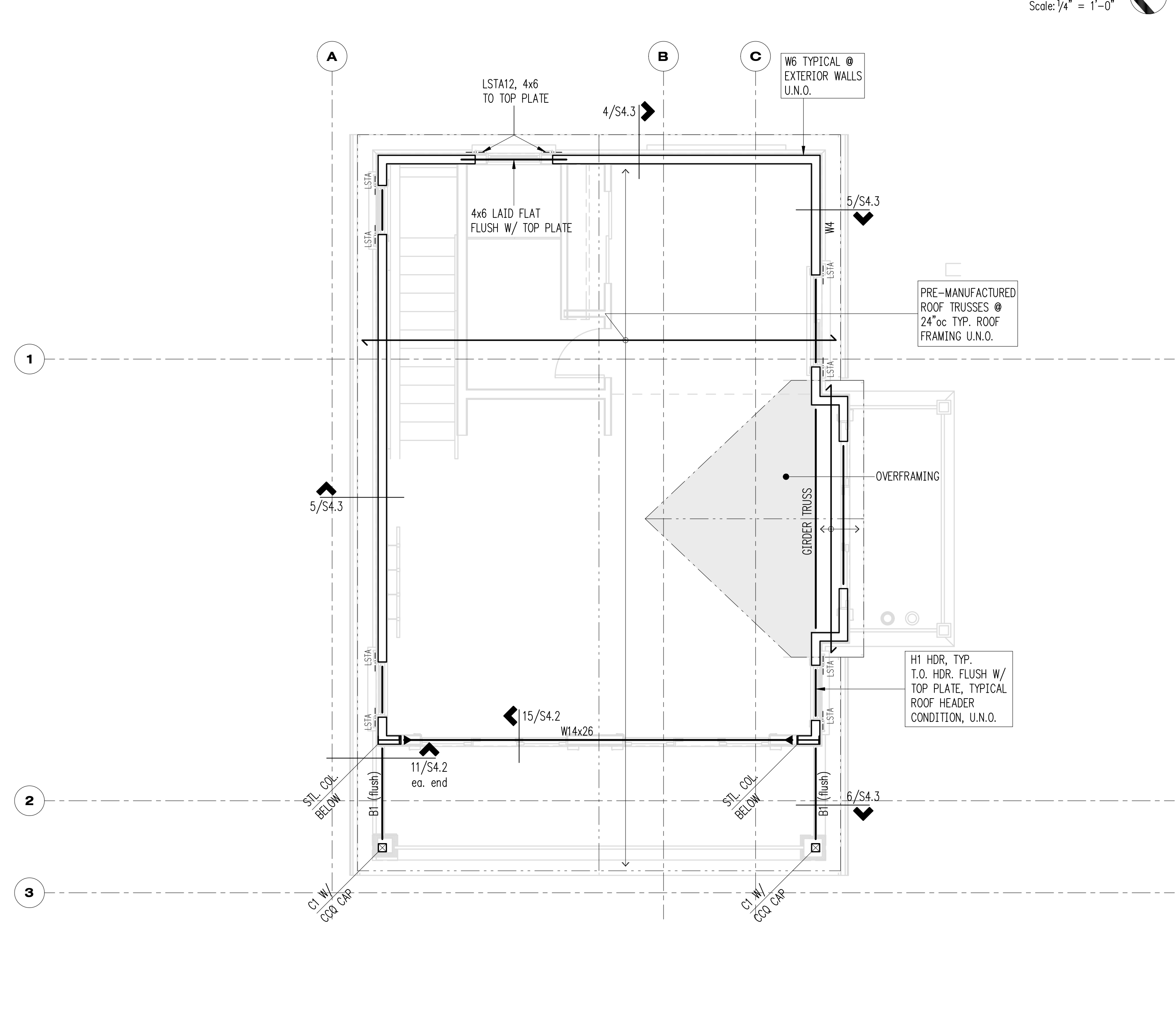
Mark	Column
C1	PSL 5 1/2 x 5 1/2
C2	HSS 3 x 3 x 1/4
C3	HSS 5 x 5 x 1/4

Header Schedule

Mark	Header	Bearing Studs
H1	(2) 2x8 H.F.#2 OR BETTER	(2) 2x6
H2	4x8 D.F.#1 OR BETTER	(2) 2x6
H3	GL 5 1/2 x 7 1/2	(2) 2x6
H4	LSL 3 1/2 x 11 7/8 (upturned)	



Guest House Upper Floor Framing Plan
 Scale: 1/4" = 1'-0"



Guest House Roof Framing Plan
 Scale: 1/4" = 1'-0"

PROJECT TITLE:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

ARCHITECT:
Demetriou Architects
 5555 Lakeview Drive, Suite 200
 Kirkland, WA 98033
 PH 425-827-170

ISSUE:
Permit

SHEET TITLE:
Guest House Plans

SCALE: 1/4" = 1'-0" U.N.O.
 DATE: November 10, 2017
 PROJECT NO: 00641-2017-01
 SHEET NO:

S2.5

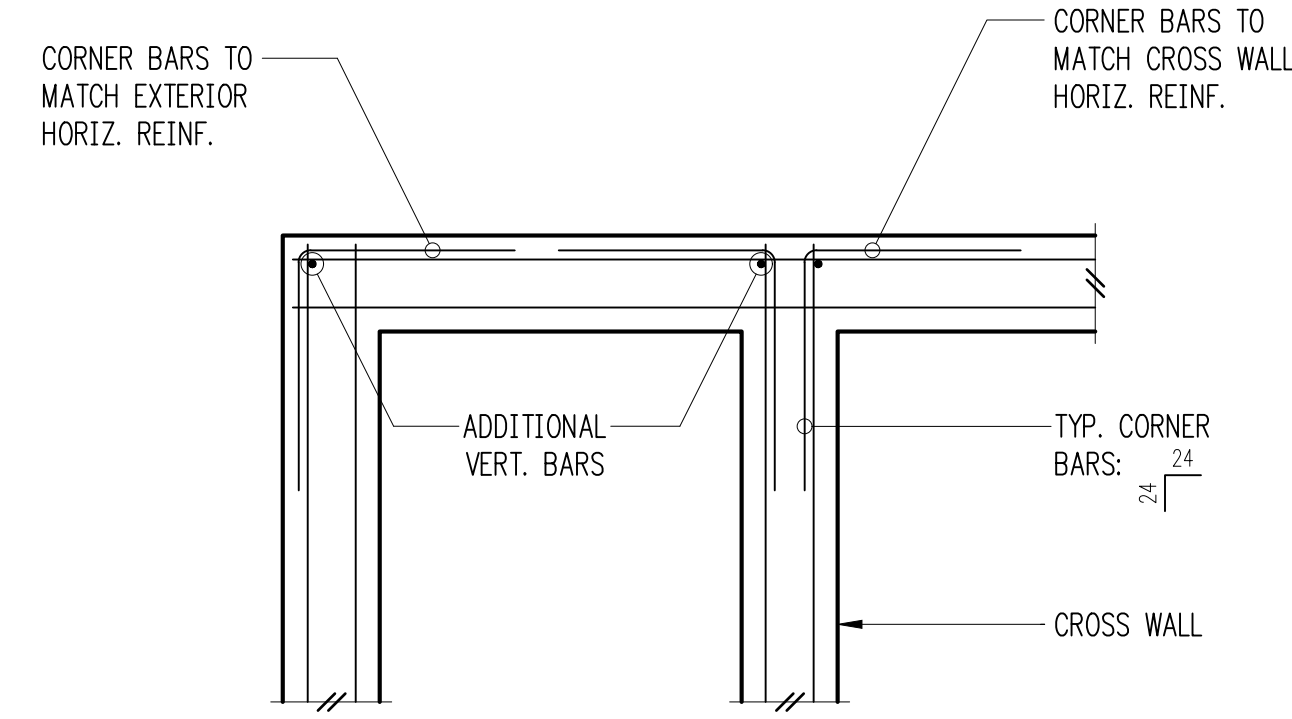
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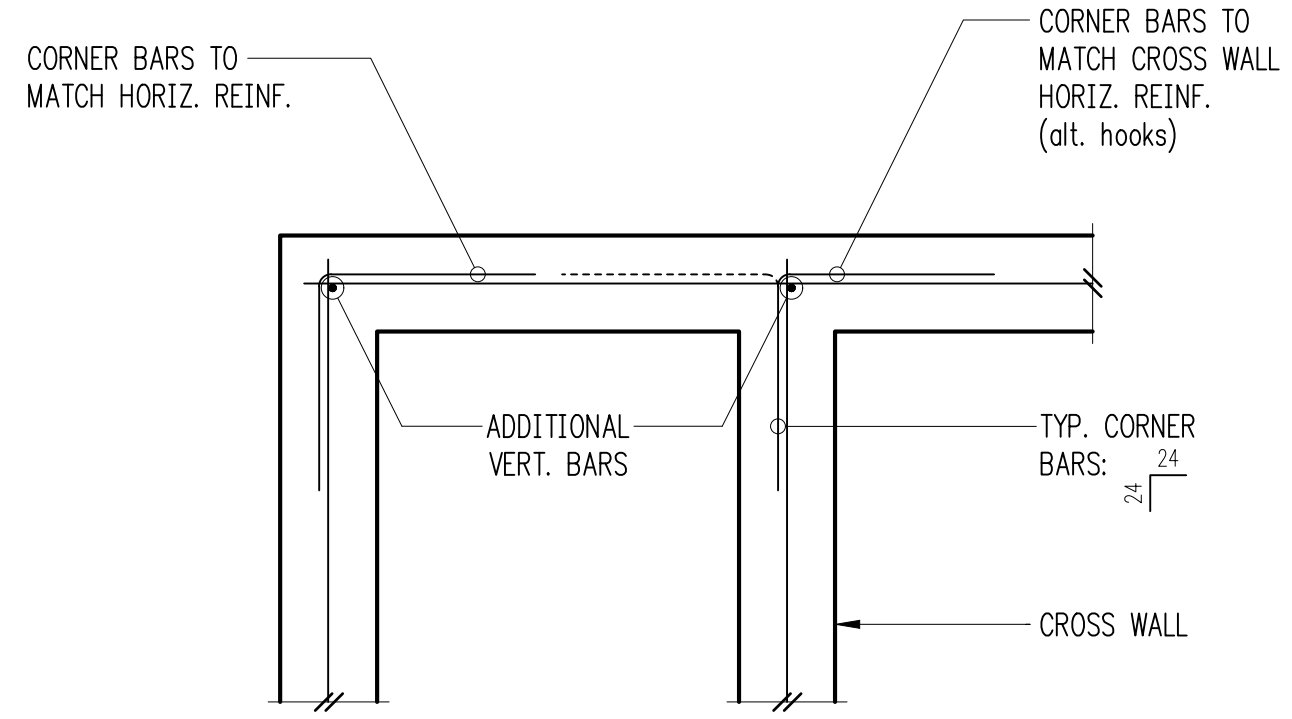
DRAWN: KMB
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 APPROVED: RHR

REVISIONS:

DPD: _____

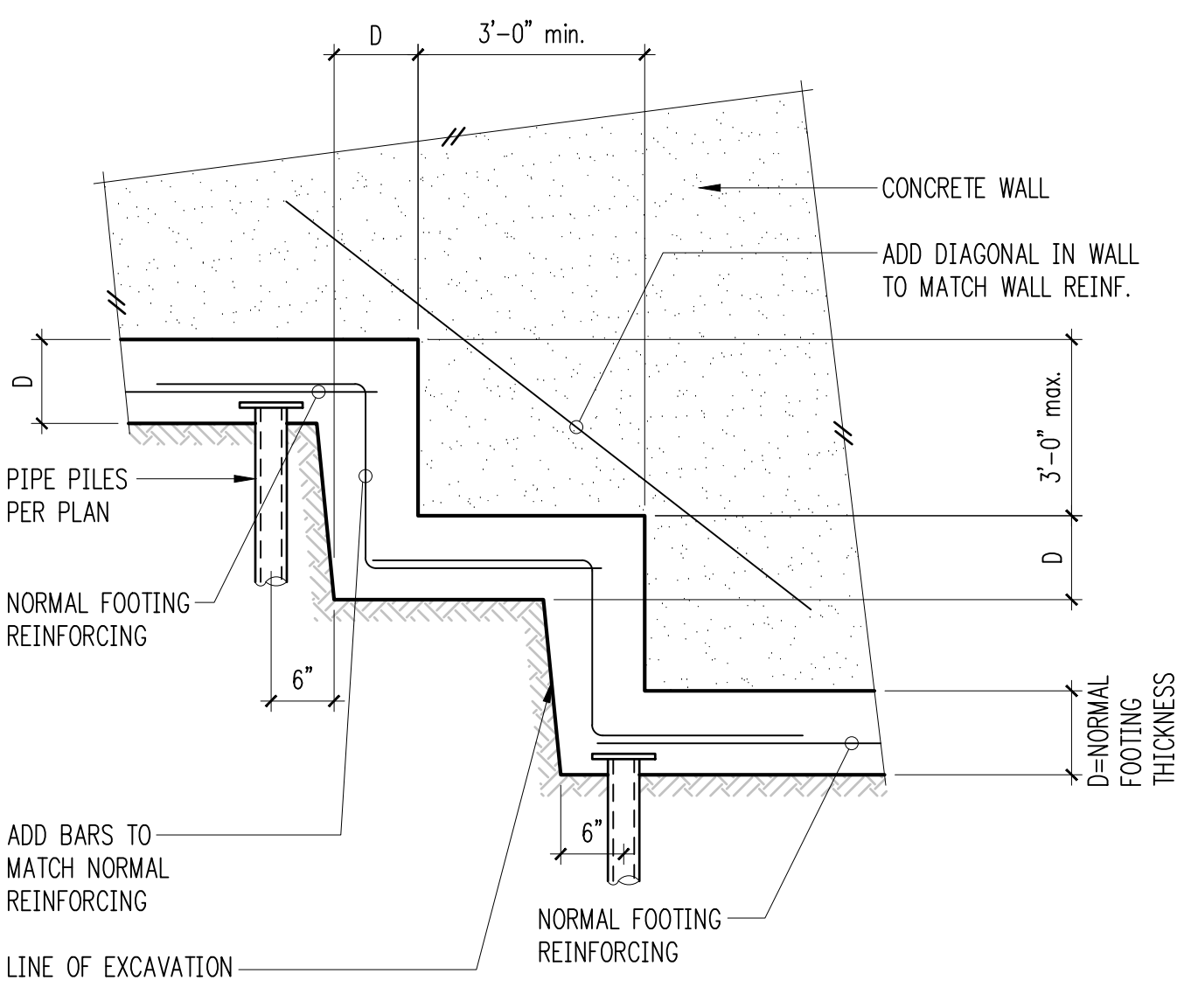


Double Curtain

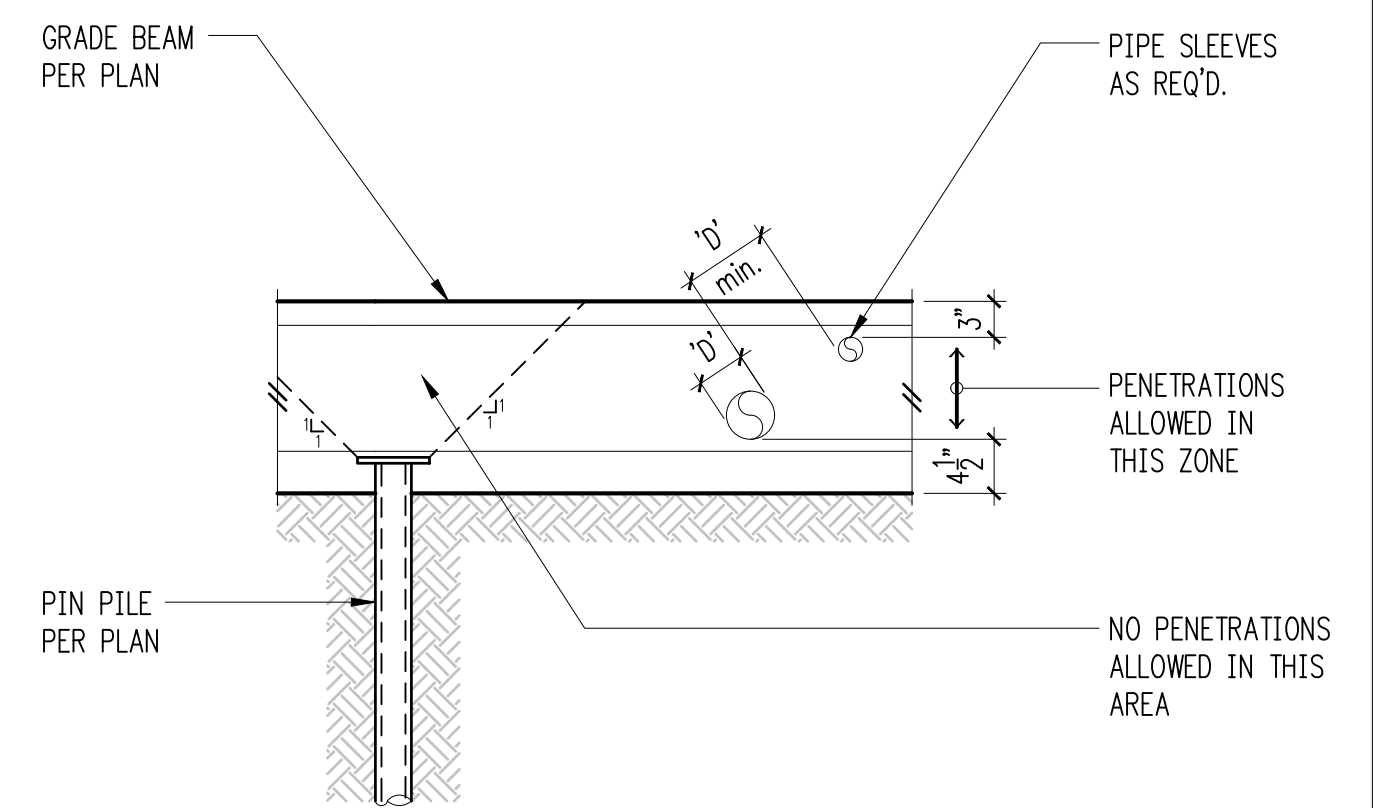


Single Curtain

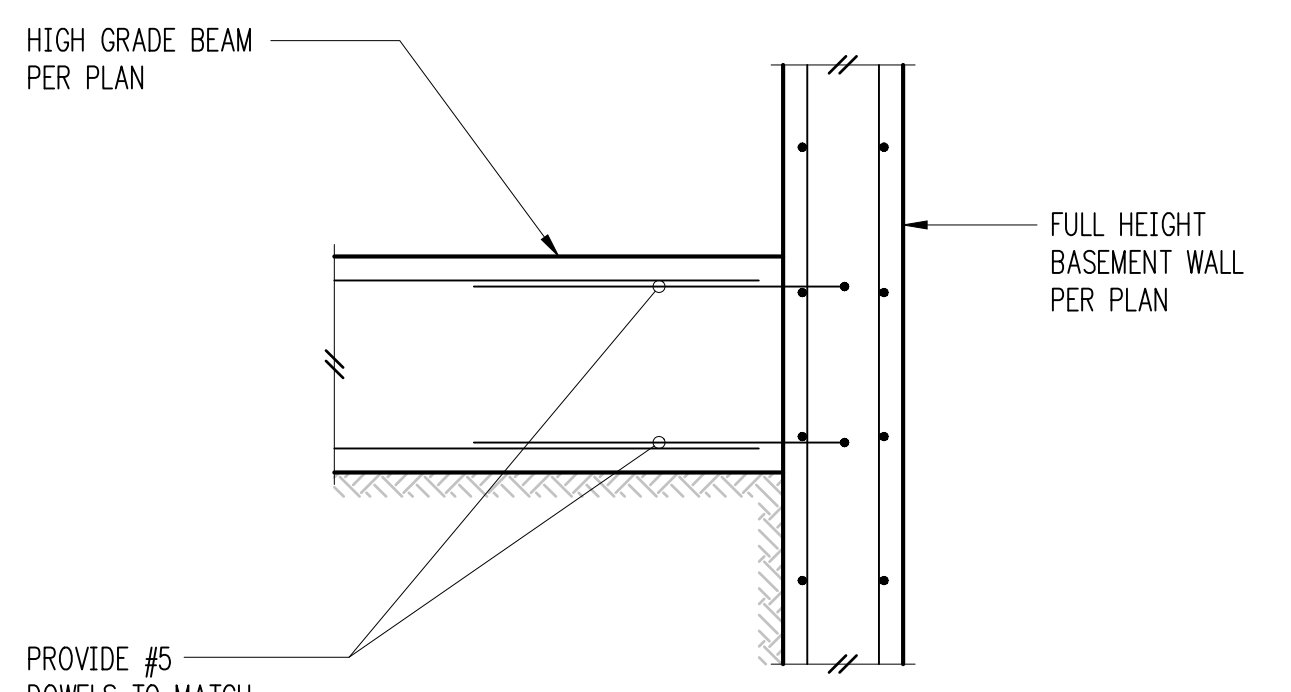
Typical Corner Bars at Concrete Walls and Footings 2



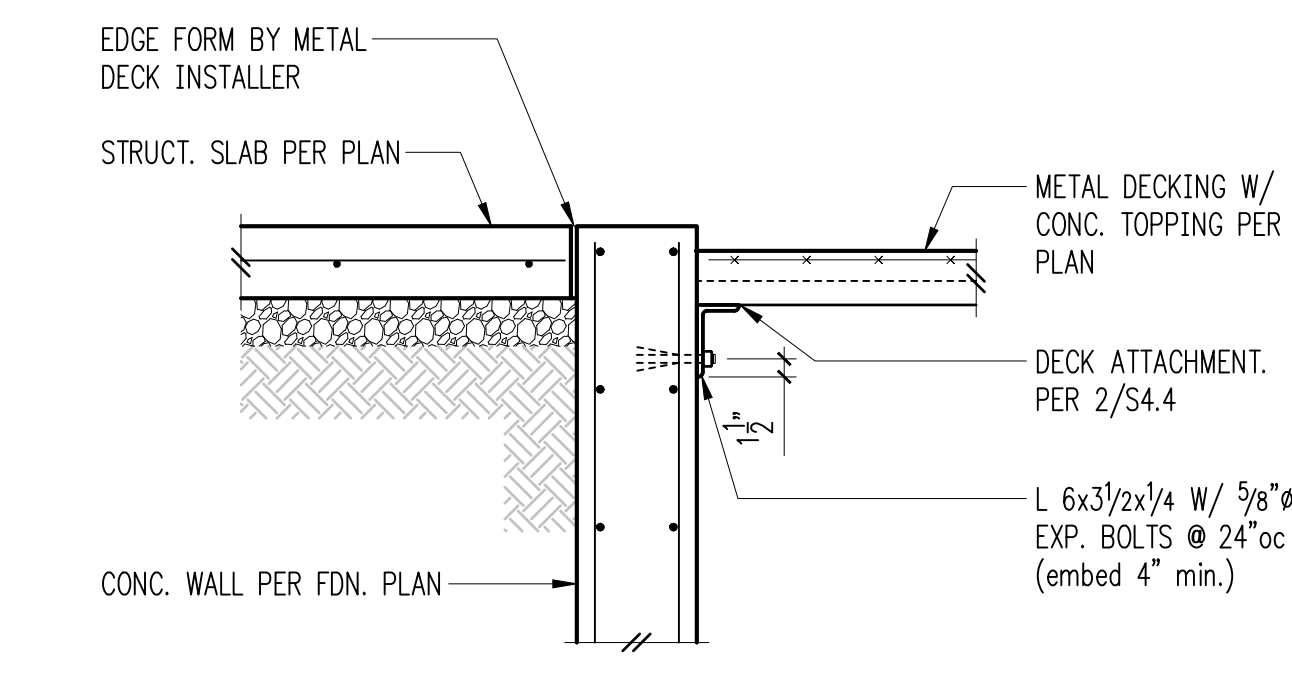
Typical Stepped Footing 3



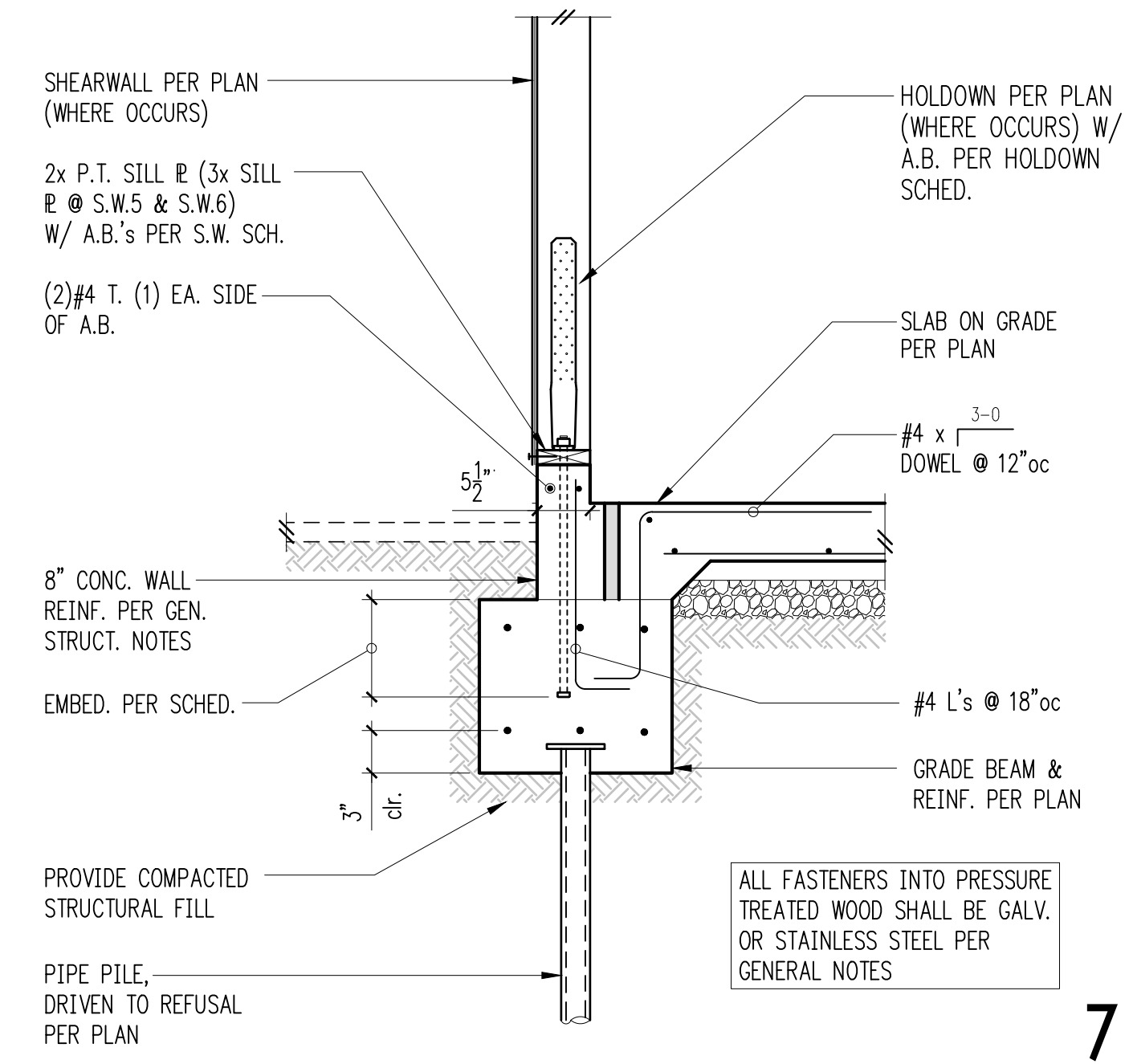
Pipe Penetration Locations 4



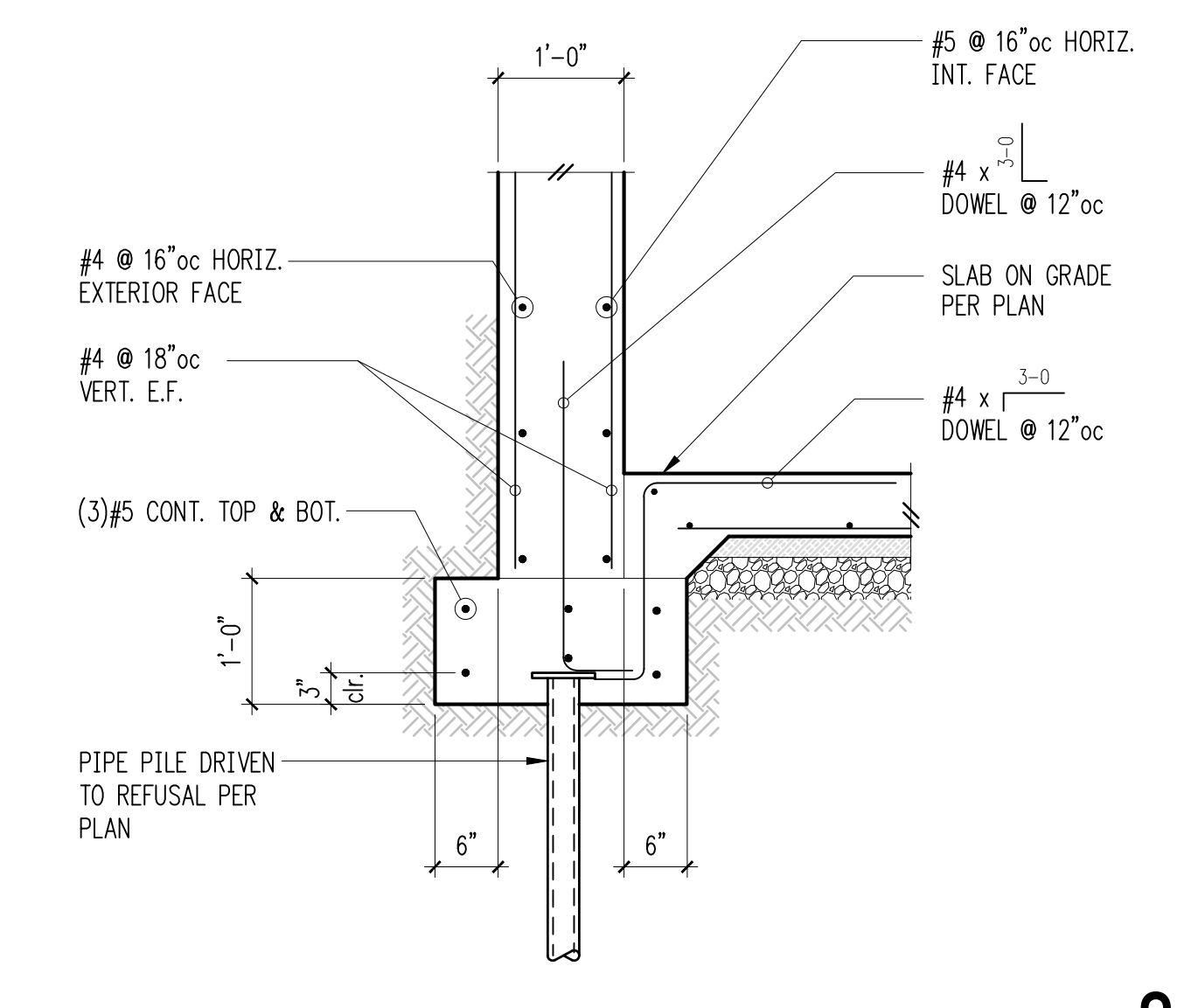
Intersection of High Grade Beam to Basement Conc. Wall 5



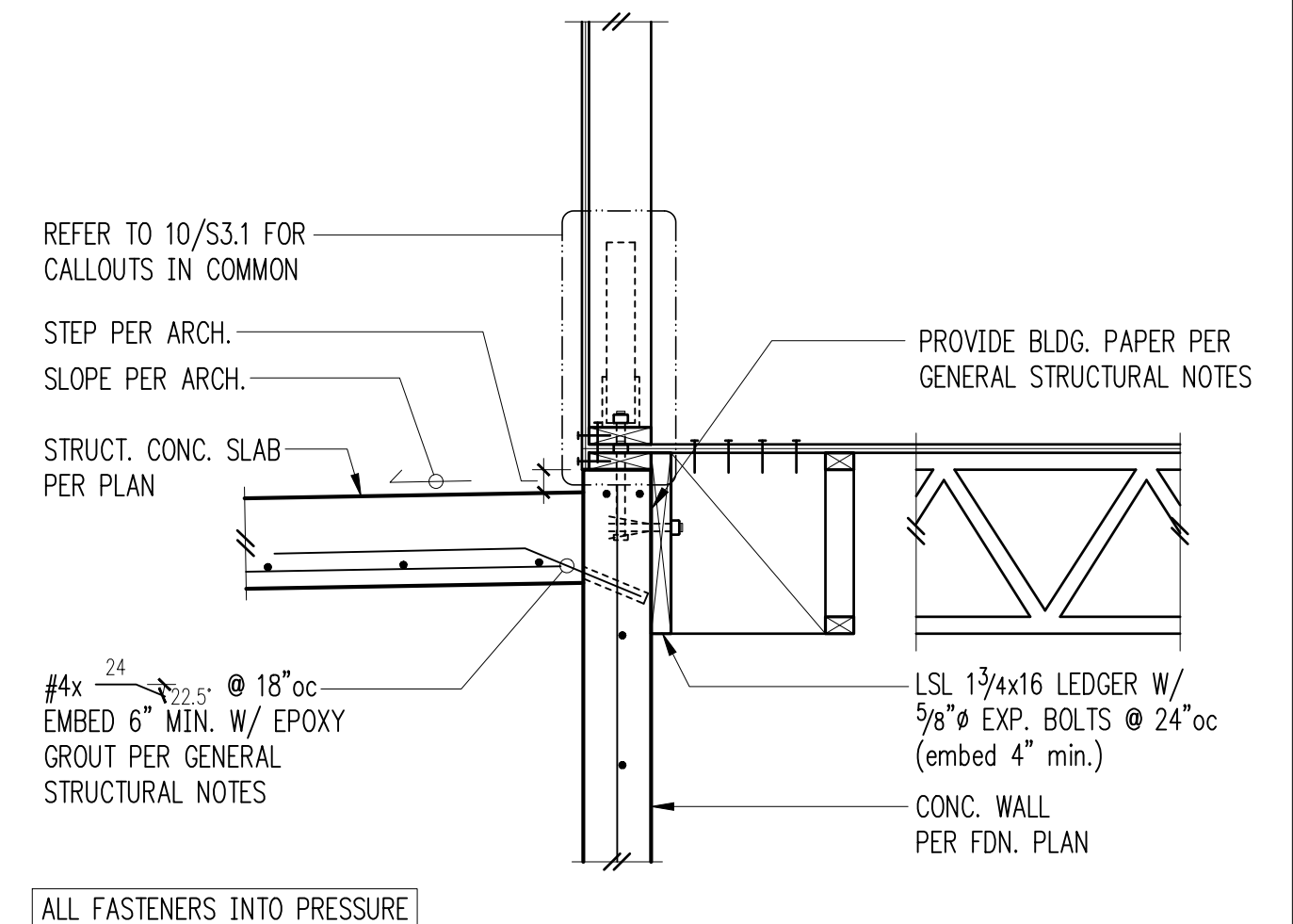
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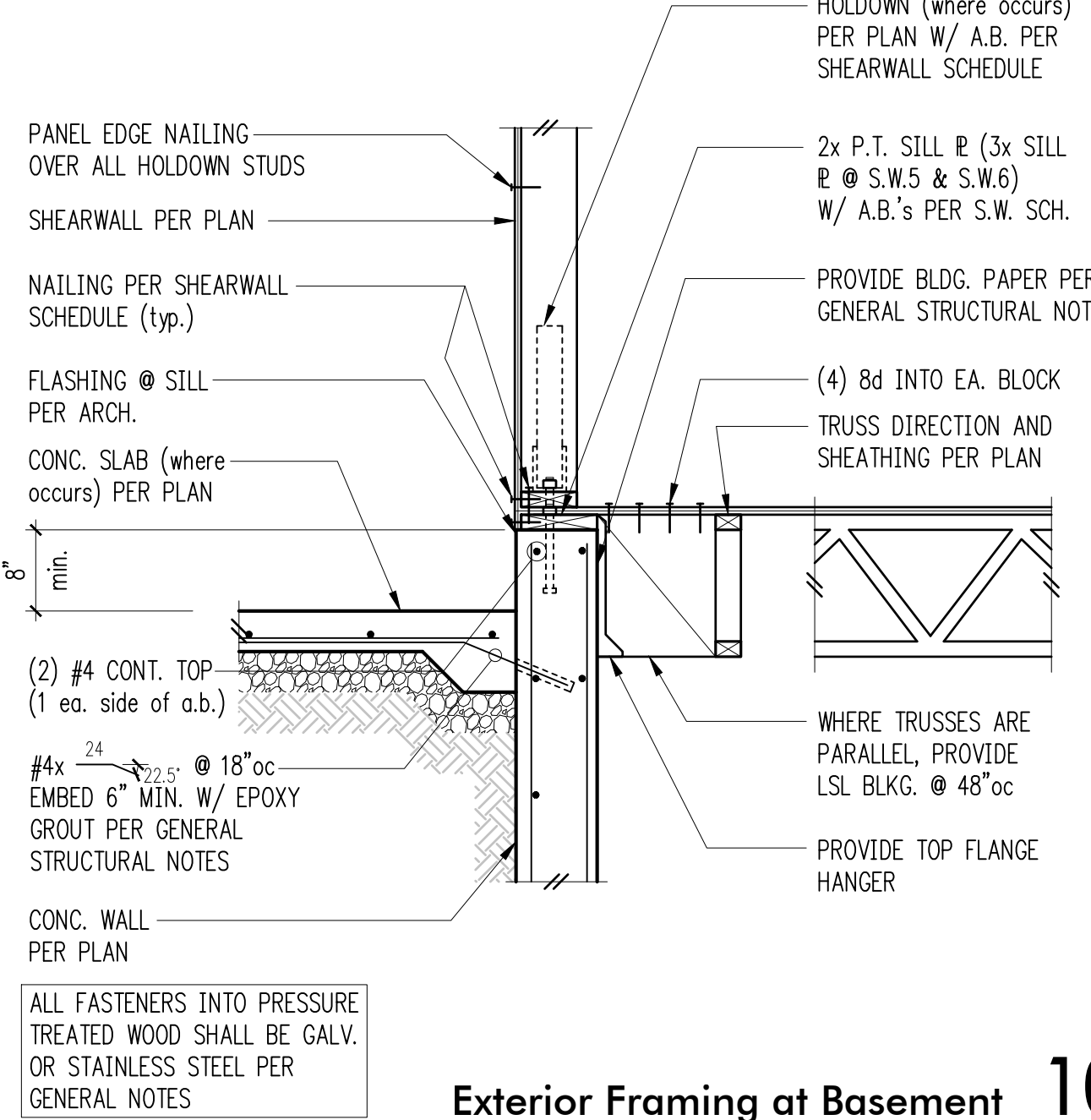
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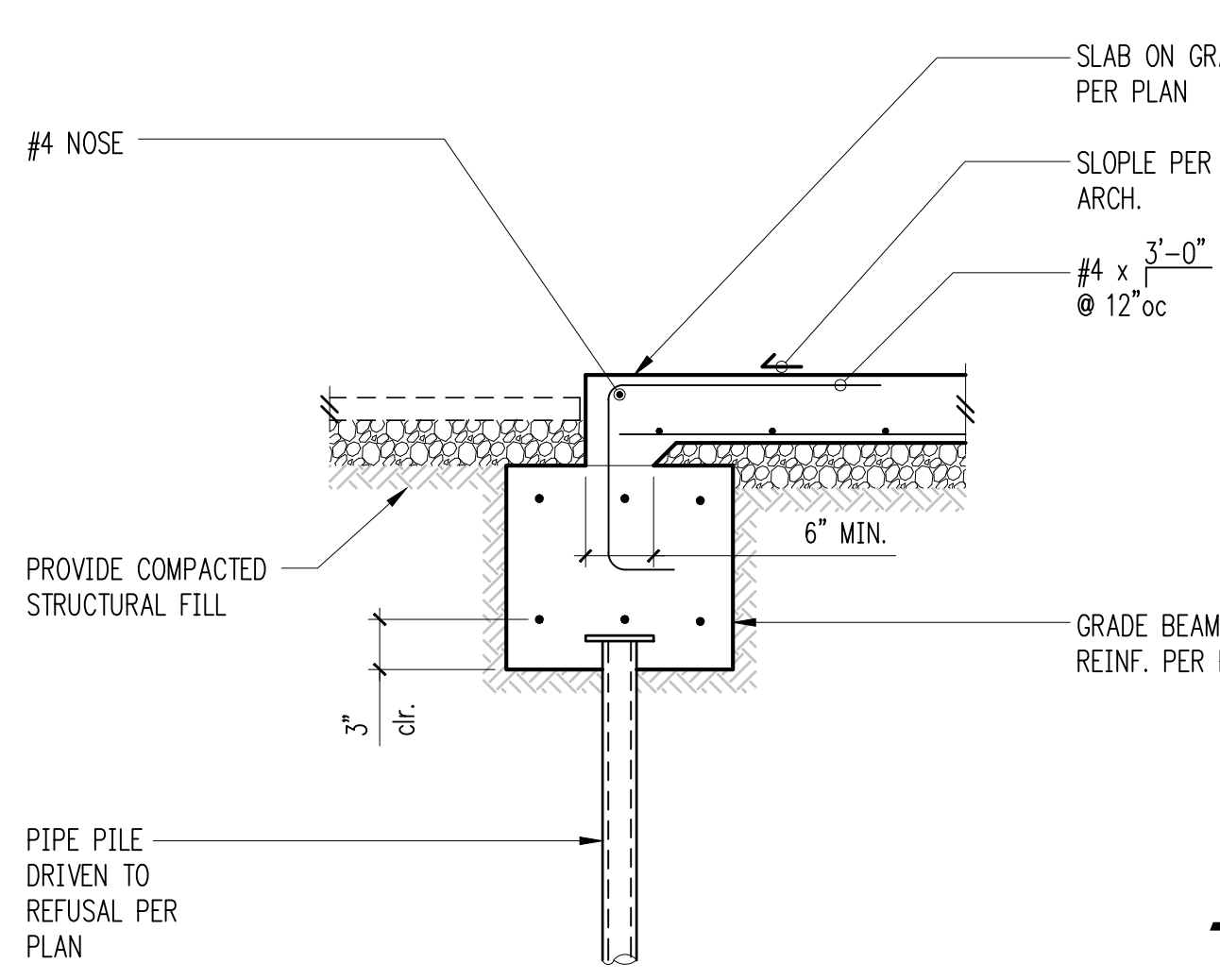
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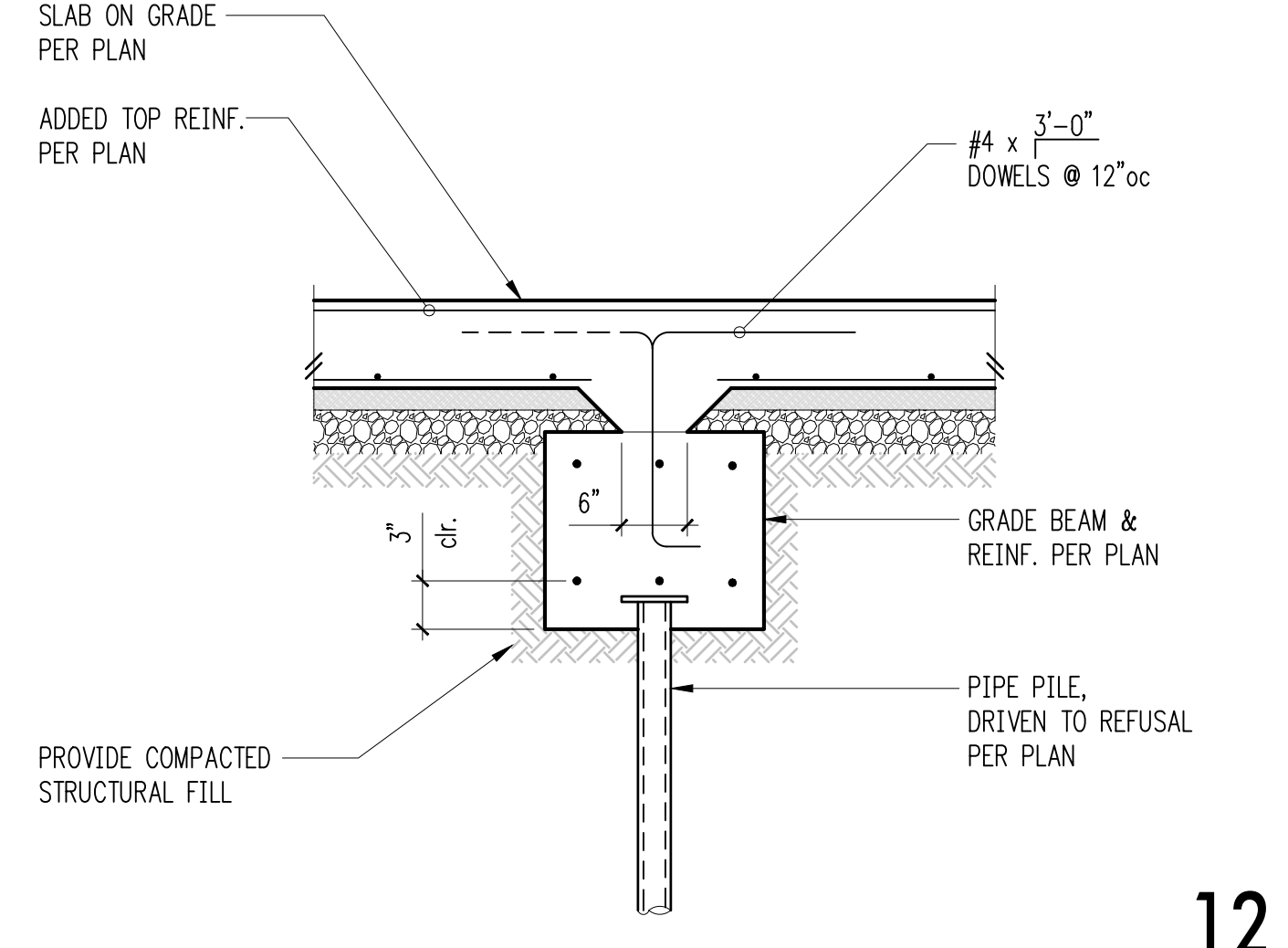
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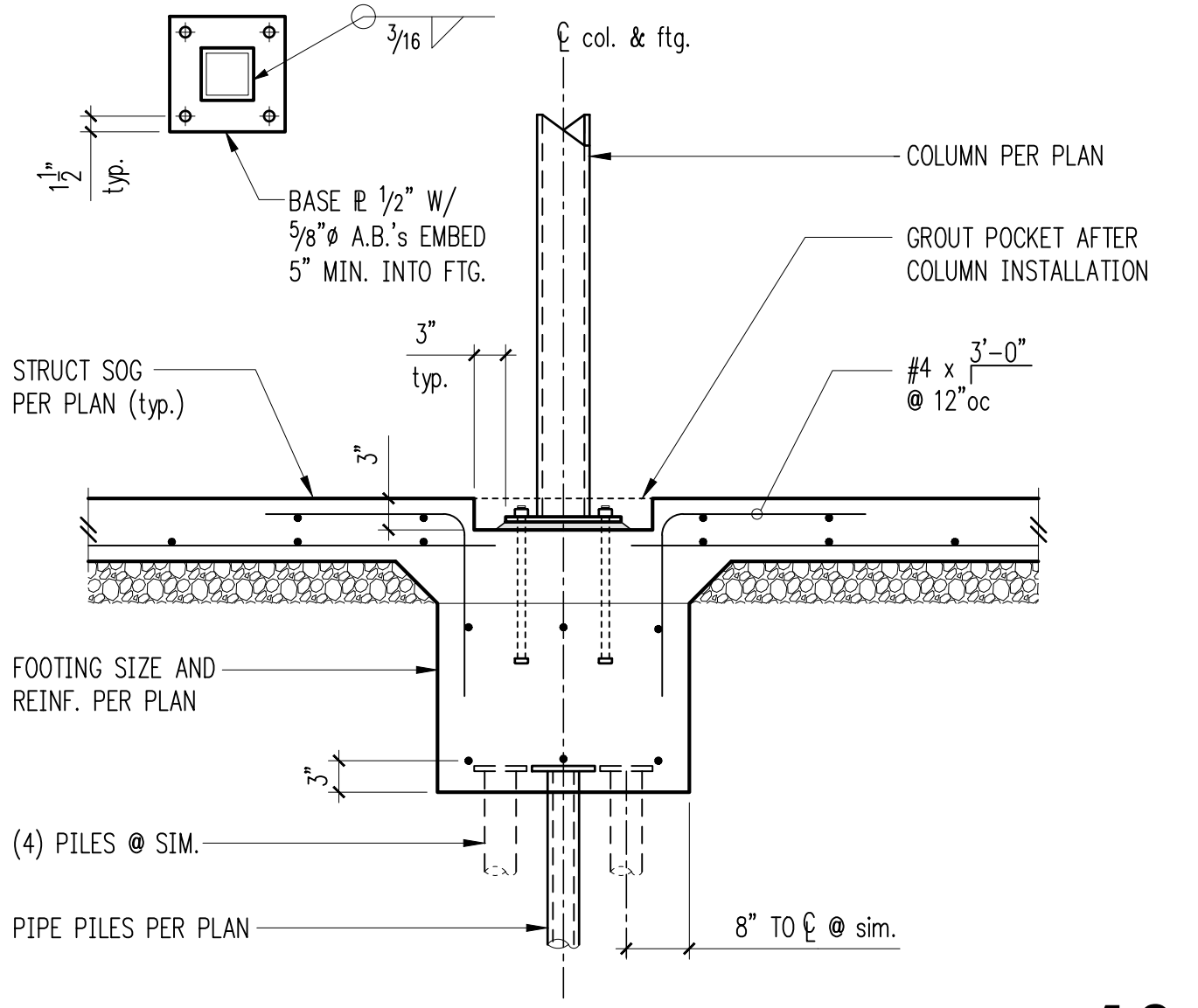
Exterior Framing at Basement 10



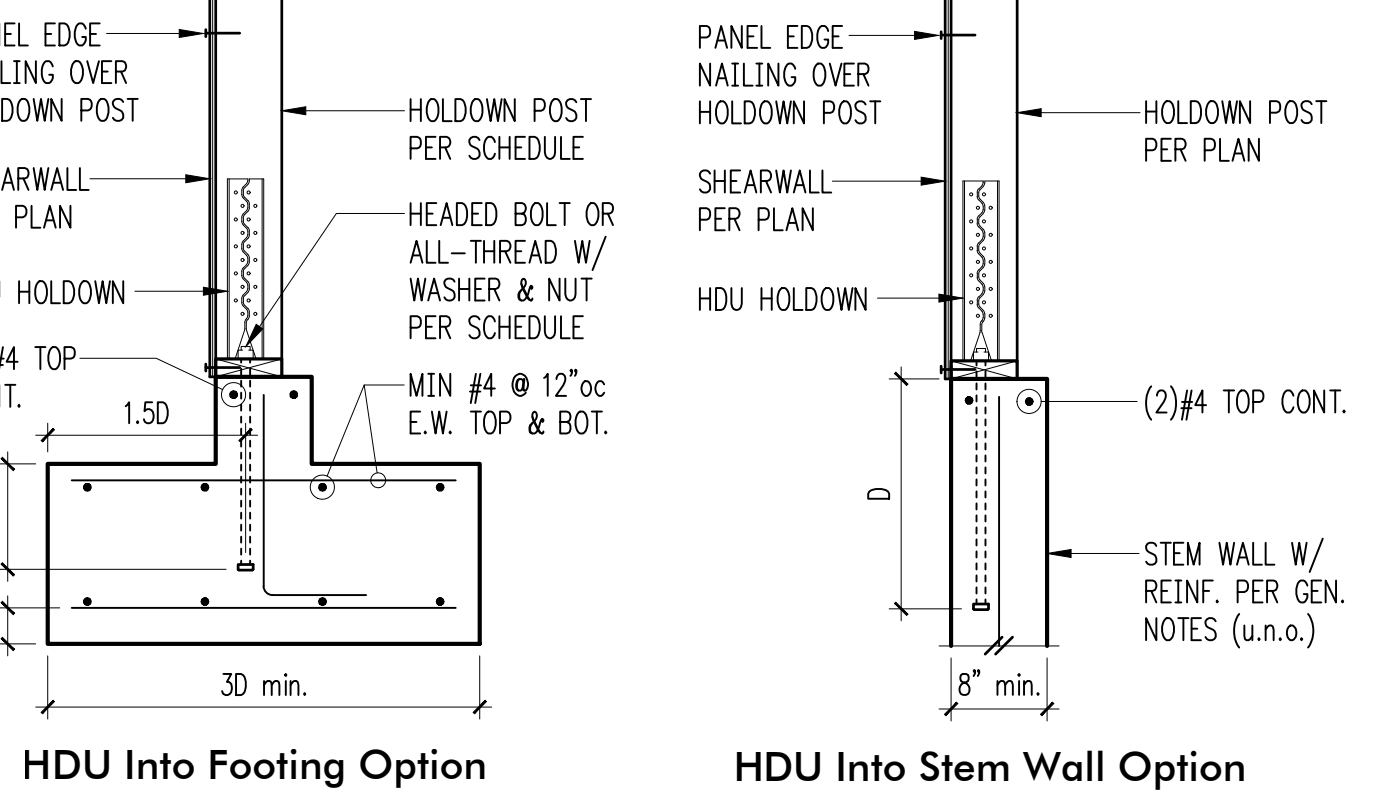
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Typical Thickened Interior Footing 13



HDU Into Footing Option

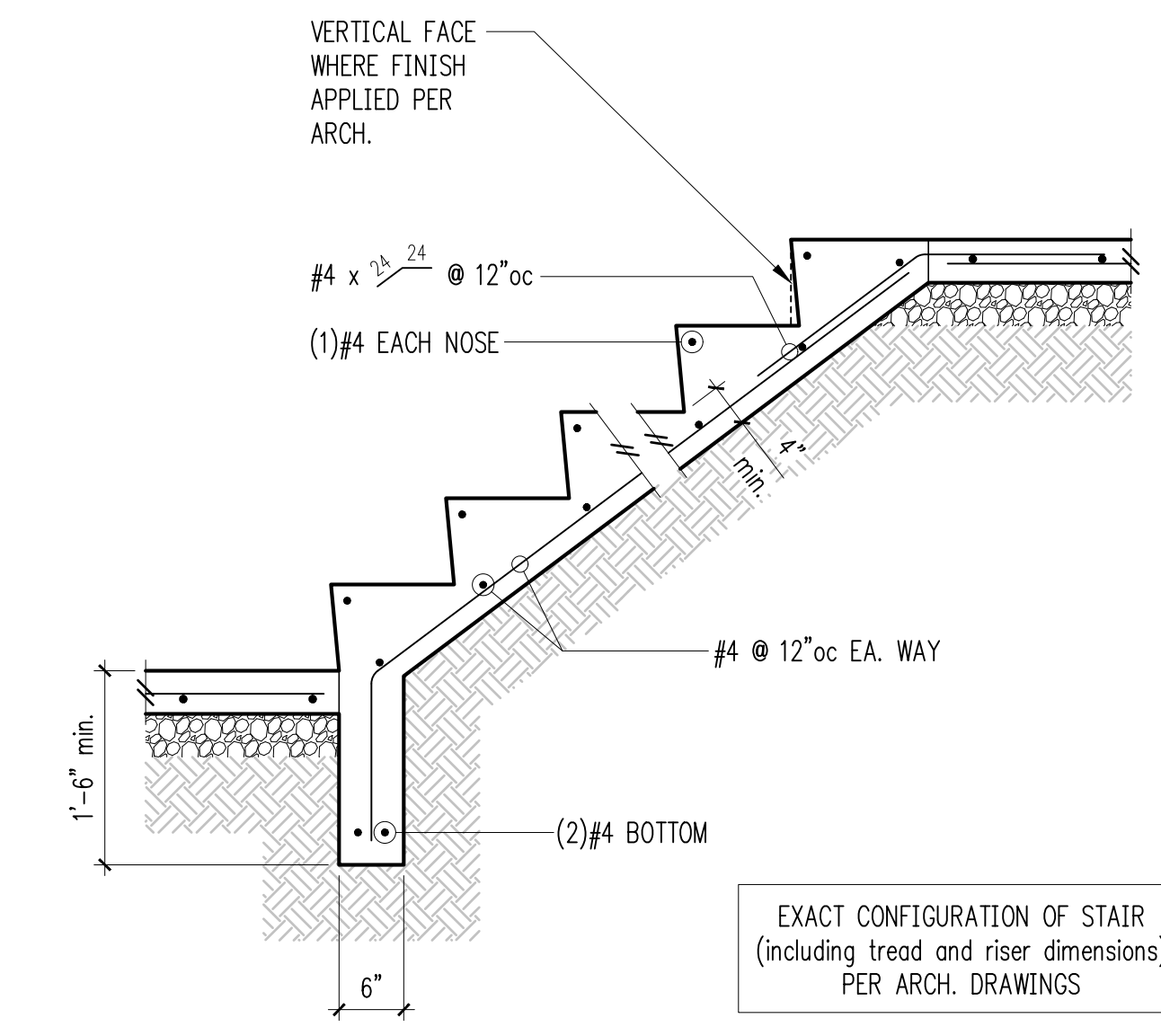
HDU Into Stem Wall Option

Holdown Schedule

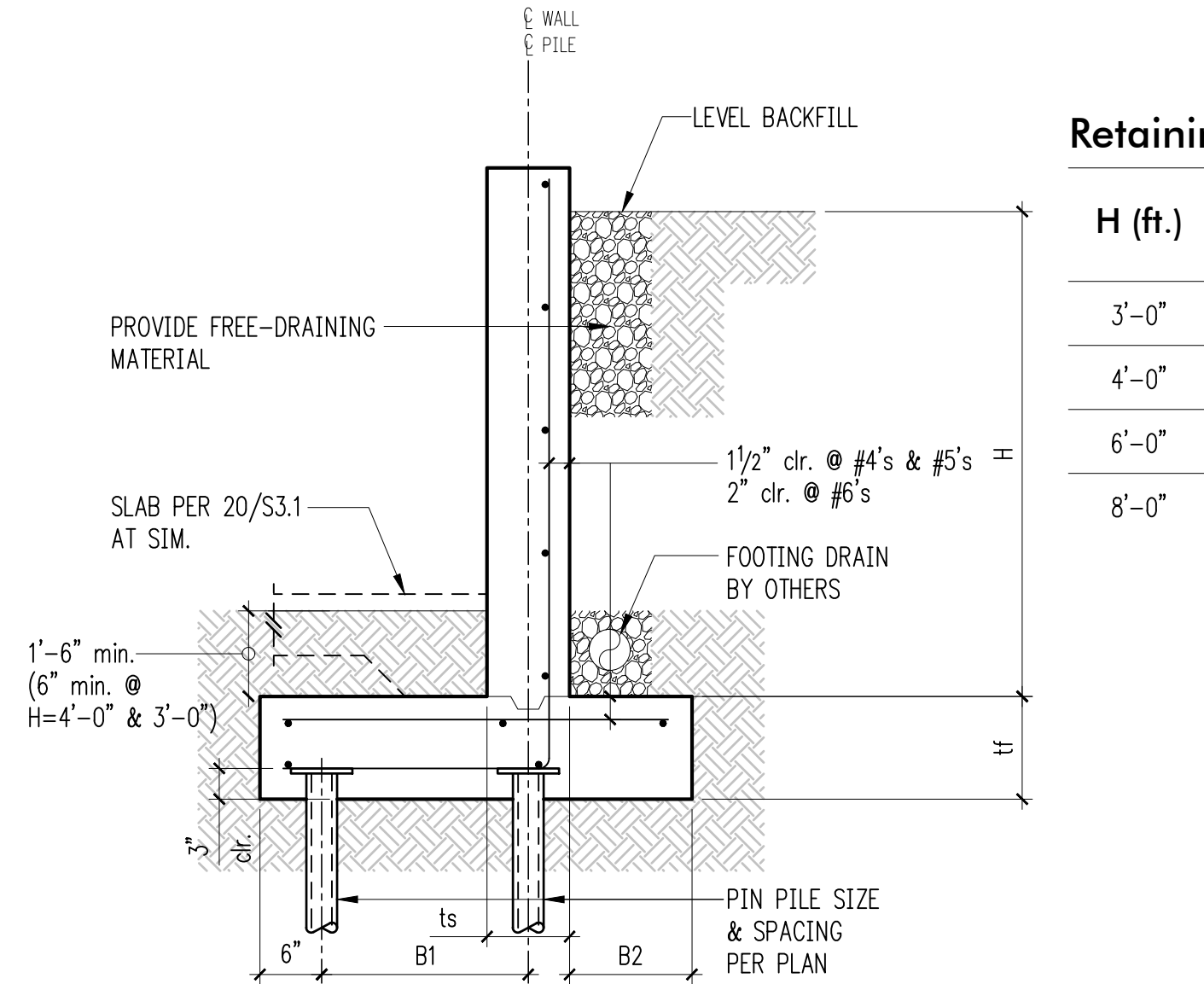
Plan Mark	Screws	Anchor Bolt	Min. A.B. Embed (D)	Stem Wall	Footing	Holdown Post if 2x4	Holdown Post if 2x6
HDU2-SDS2.5	(6)SDS 1/4"x2 1/2"	5/8"	12"	4"	(2) 2x4	(2) 2x6	
HDU4-SDS2.5	(10)SDS 1/4"x2 1/2"	5/8"	18"	6"	4x4	4x6	
HDU5-SDS2.5	(14)SDS 1/4"x2 1/2"	5/8"	SBS8x24	7"	4x4	4x6	
HDU8-SDS2.5	(20)SDS 1/4"x2 1/2"	7/8"	SSTB28	8"	4x6	6x6	
HDU11-SDS2.5	(30)SDS 1/4"x2 1/2"	1"	SBIx30	10"	4x8	6x8	
HDU14-SDS2.5	(36)SDS 1/4"x2 1/2"	1"	N/A	12"	4x8	6x6	

① MINIMUM SIZE OF POST AT END OF WALL UNLESS OTHERWISE NOTED ON FRAMING PLANS.

Typical HDU Holdown 15



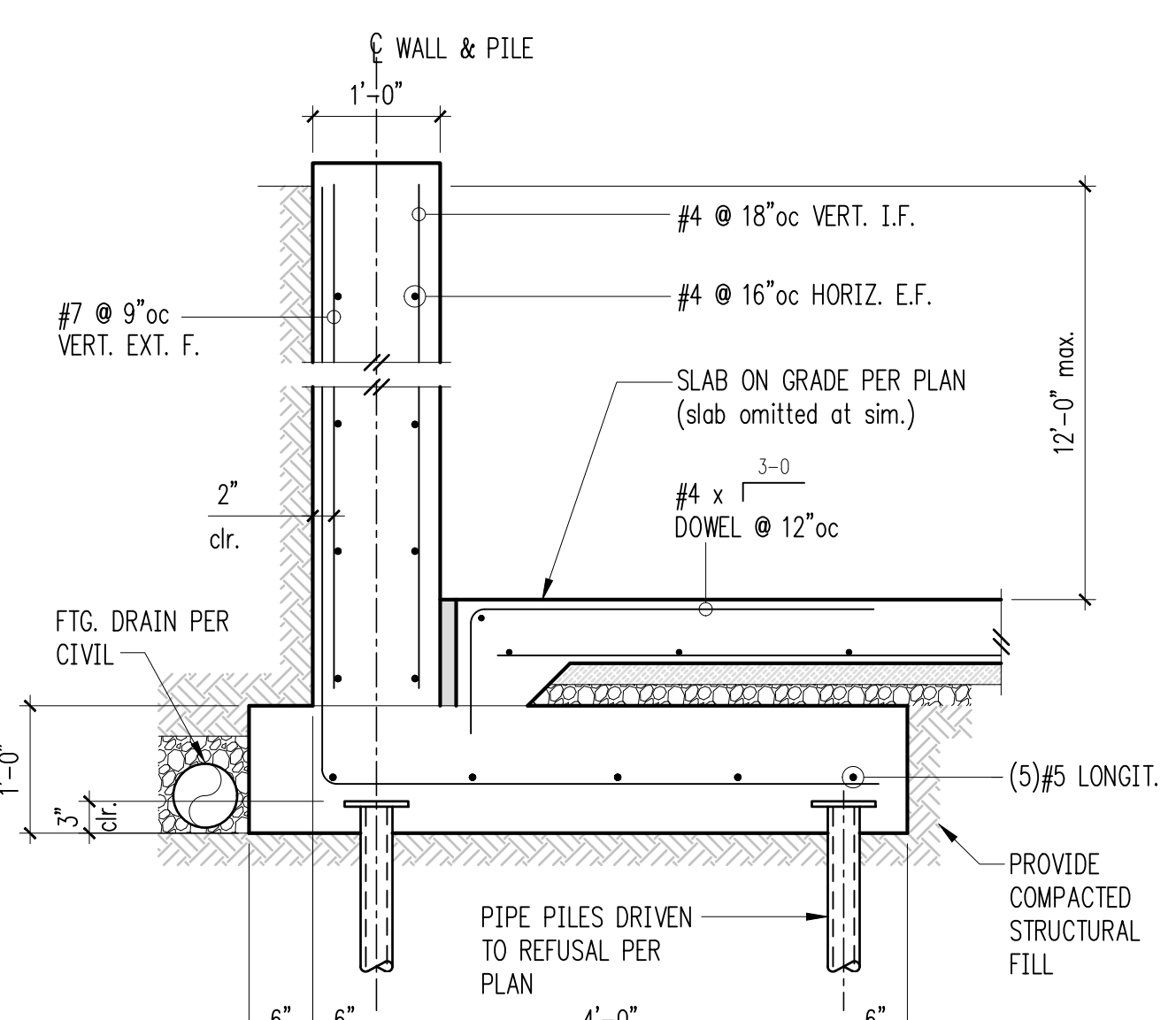
Typical Stair On Grade 16



Retaining Wall Schedule

H (ft.)	B1	ts	B2	tf	Stem Reinforcing		Footing Reinforcing	
					Vert.	Horiz.	Top	Longit.
3'-0"	9"	8"	6"	12"	#4 @ 18"oc	#4 @ 12"oc	-	(2)#4
4'-0"	1'-0"	8"	6"	12"	#4 @ 18"oc	#4 @ 12"oc	#4 @ 18"oc	(3)#4
6'-0"	2'-0"	8"	6"	12"	#4 @ 12"oc	#4 @ 12"oc	#4 @ 12"oc	(4)#4
8'-0"	4'-0"	8"	1'-6"	12"	#5 @ 12"oc	#4 @ 12"oc	#5 @ 12"oc	(5)#5

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PROJECT TITLE:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

ARCHITECT:
Demetriou Architects
 5555 Lakeview Drive, Suite 200
 Kirkland, WA 98033
 PH 425-827-170

ISSUE:
Permit
 SHEET TITLE:
Concrete Details

SCALE: 3/4" = 1'-0" U.N.O.
 DATE: November 10, 2017
 PROJECT NO: 00641-2017-01
 SHEET NO:

S3.1

NO. OF SHEETS:



DRAWN: KMB
 DESIGN: RDH/JWJ
 CHECKED: RDH
 APPROVED: RHR

REVISIONS:

DPD: _____

1

2

3

4

5

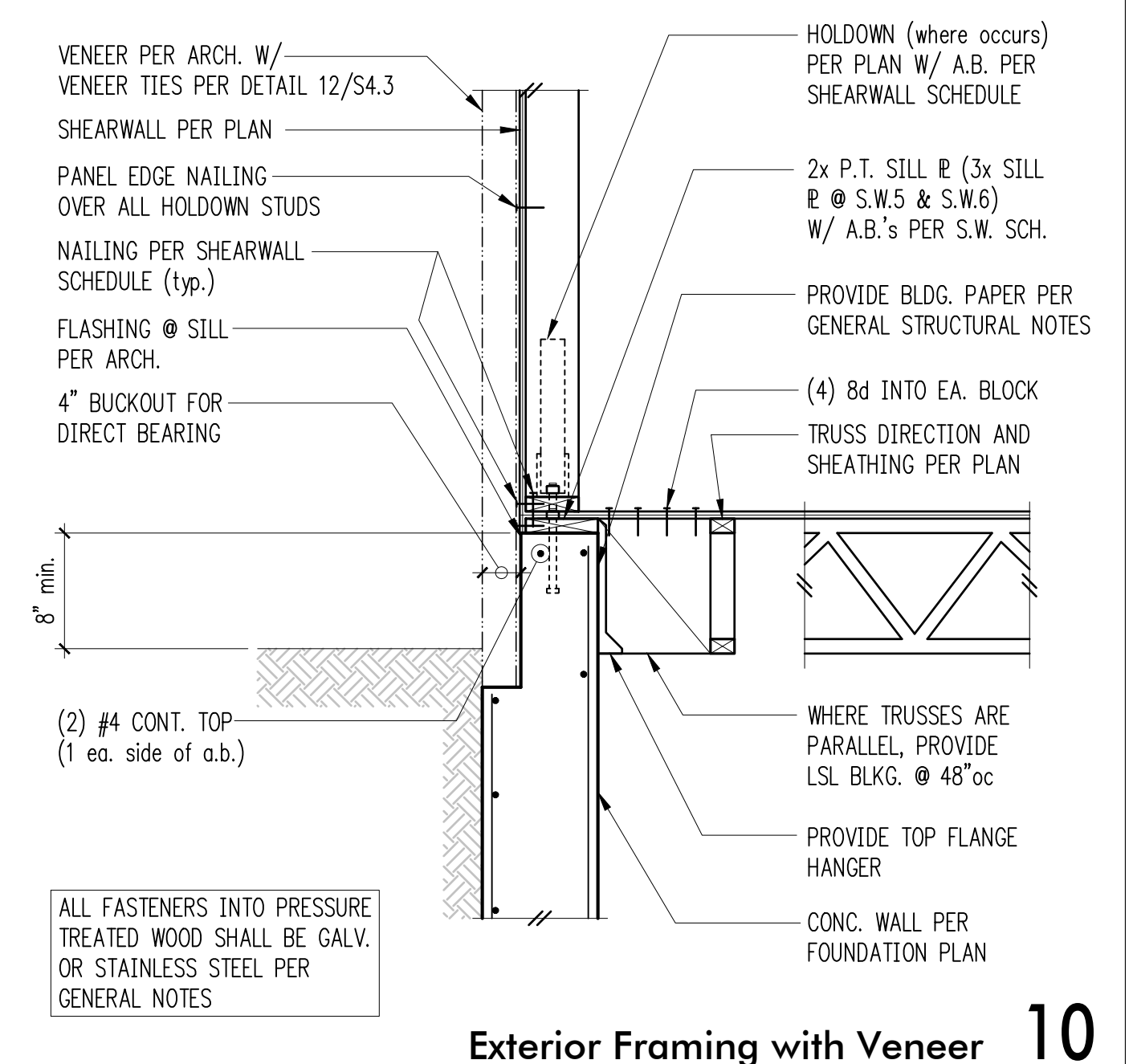
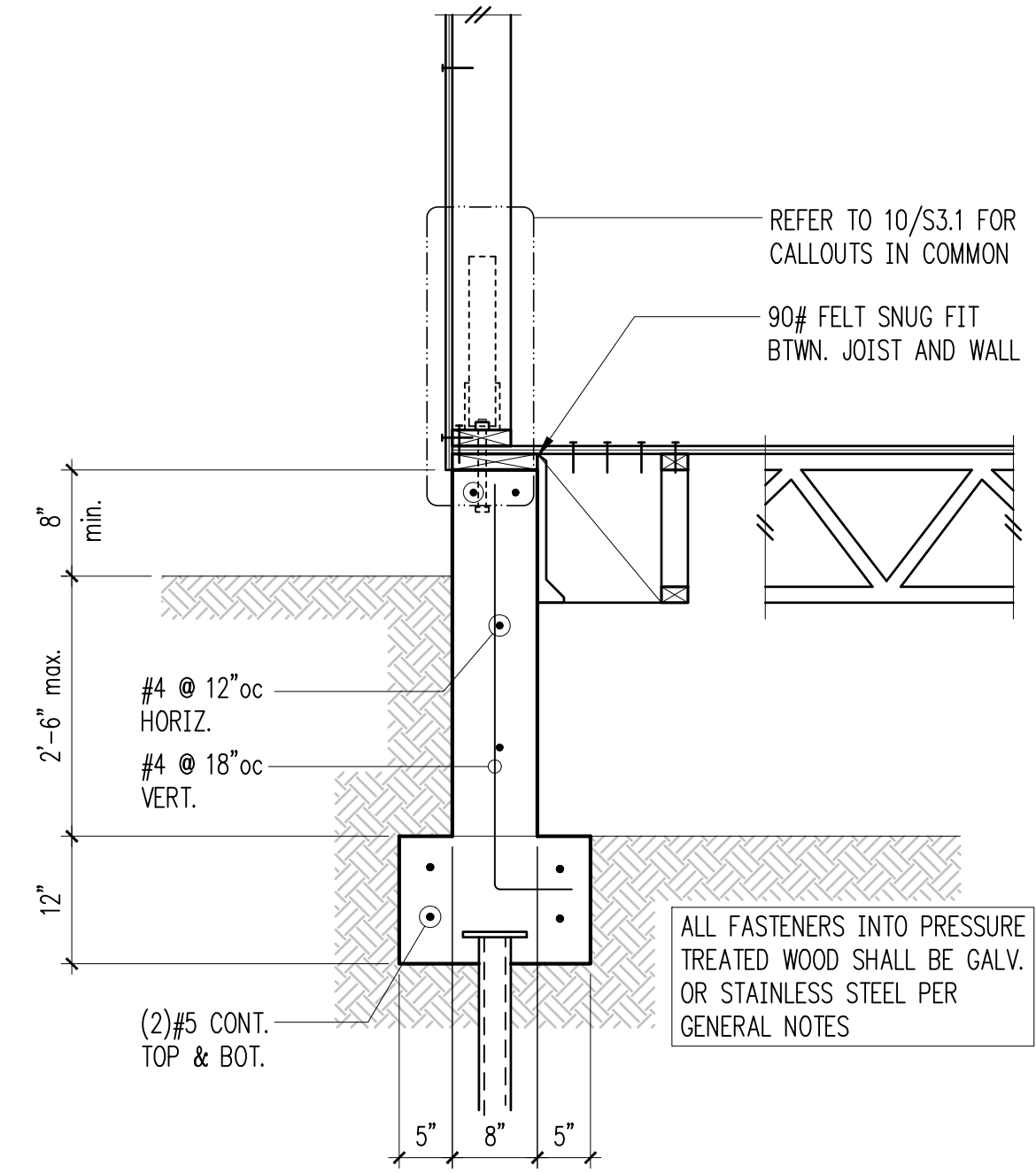
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Exterior Framing with Veneer 10



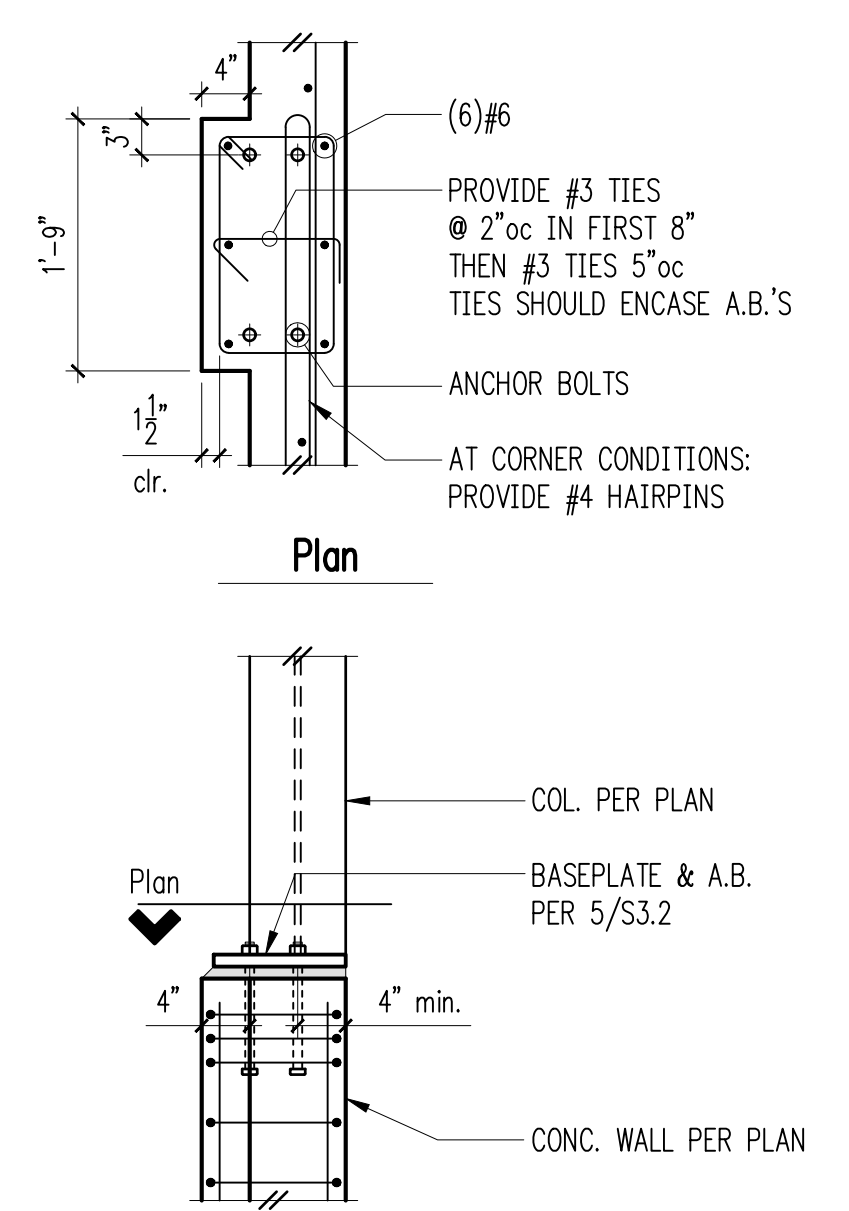
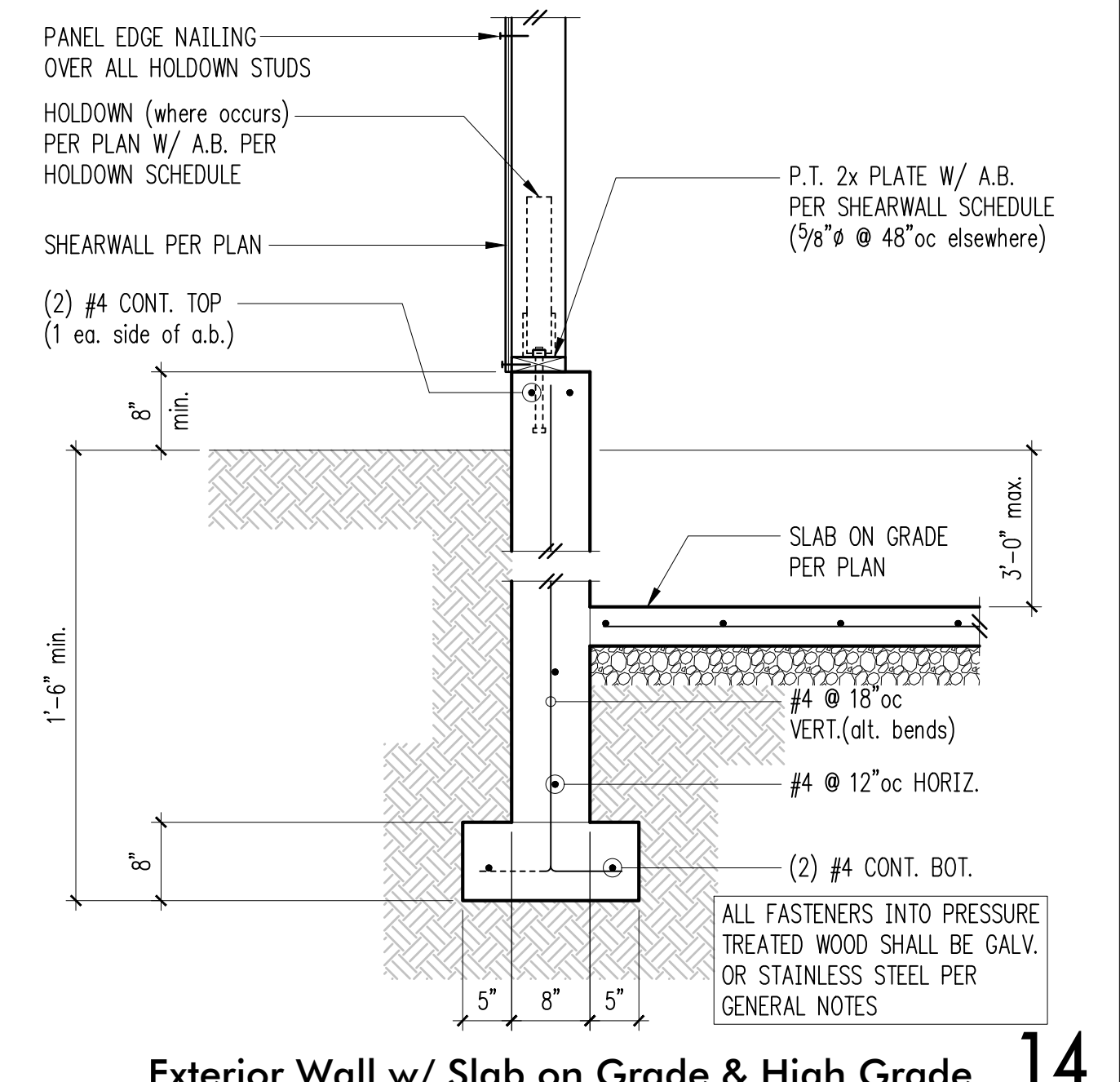
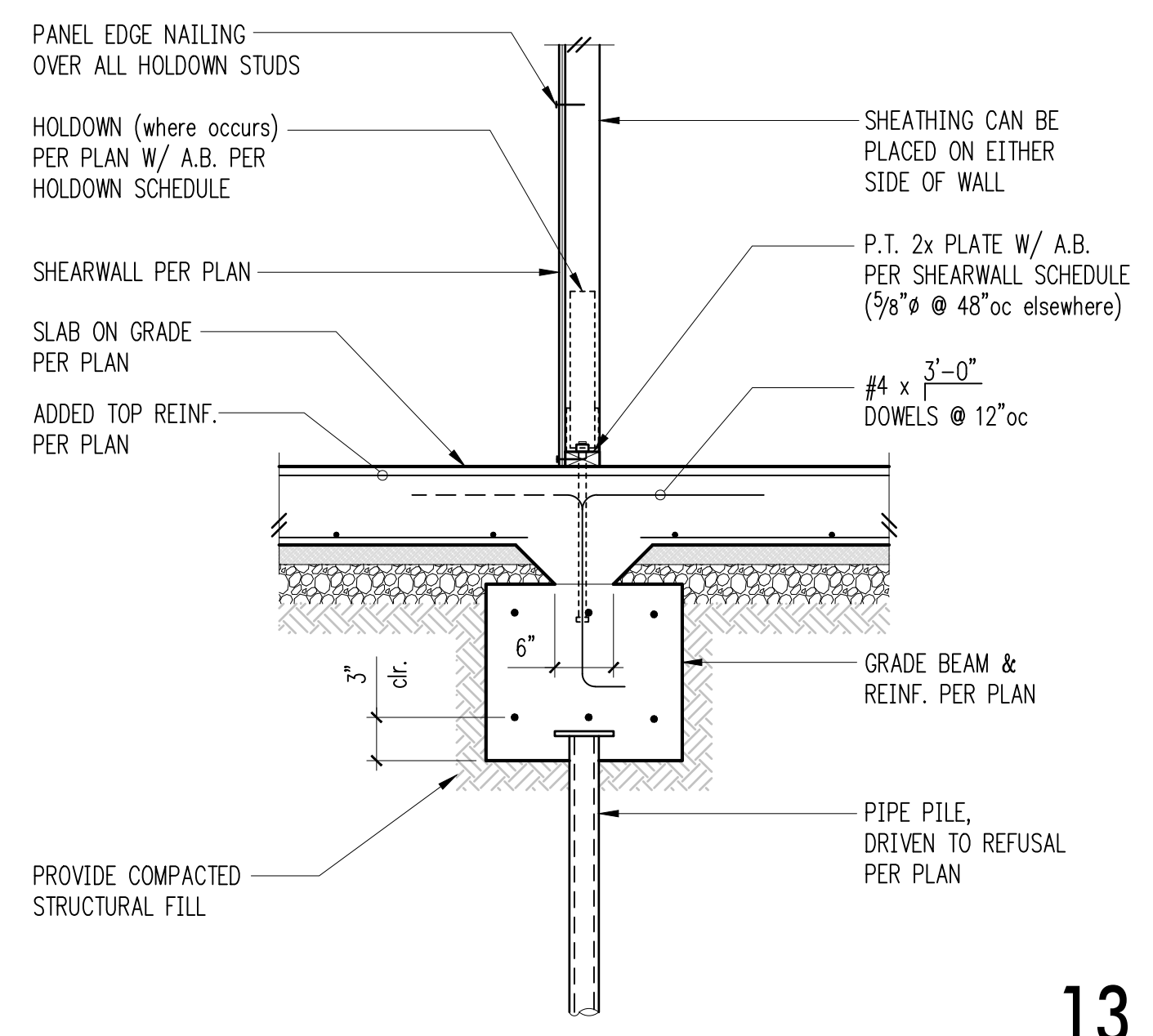
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Exterior Wall w/ Slab on Grade & High Grade 14

MF Column on Concrete Wall 15



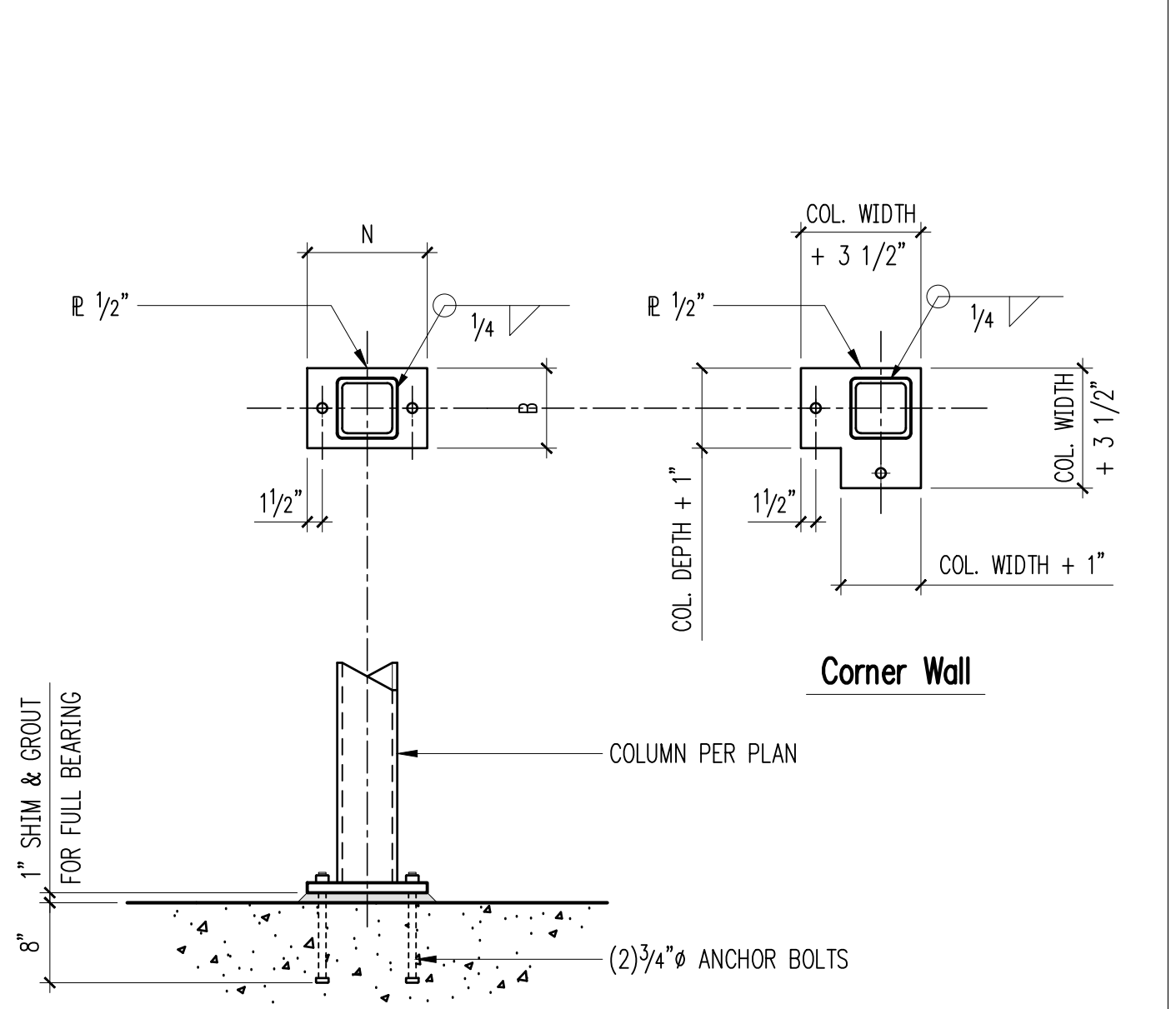
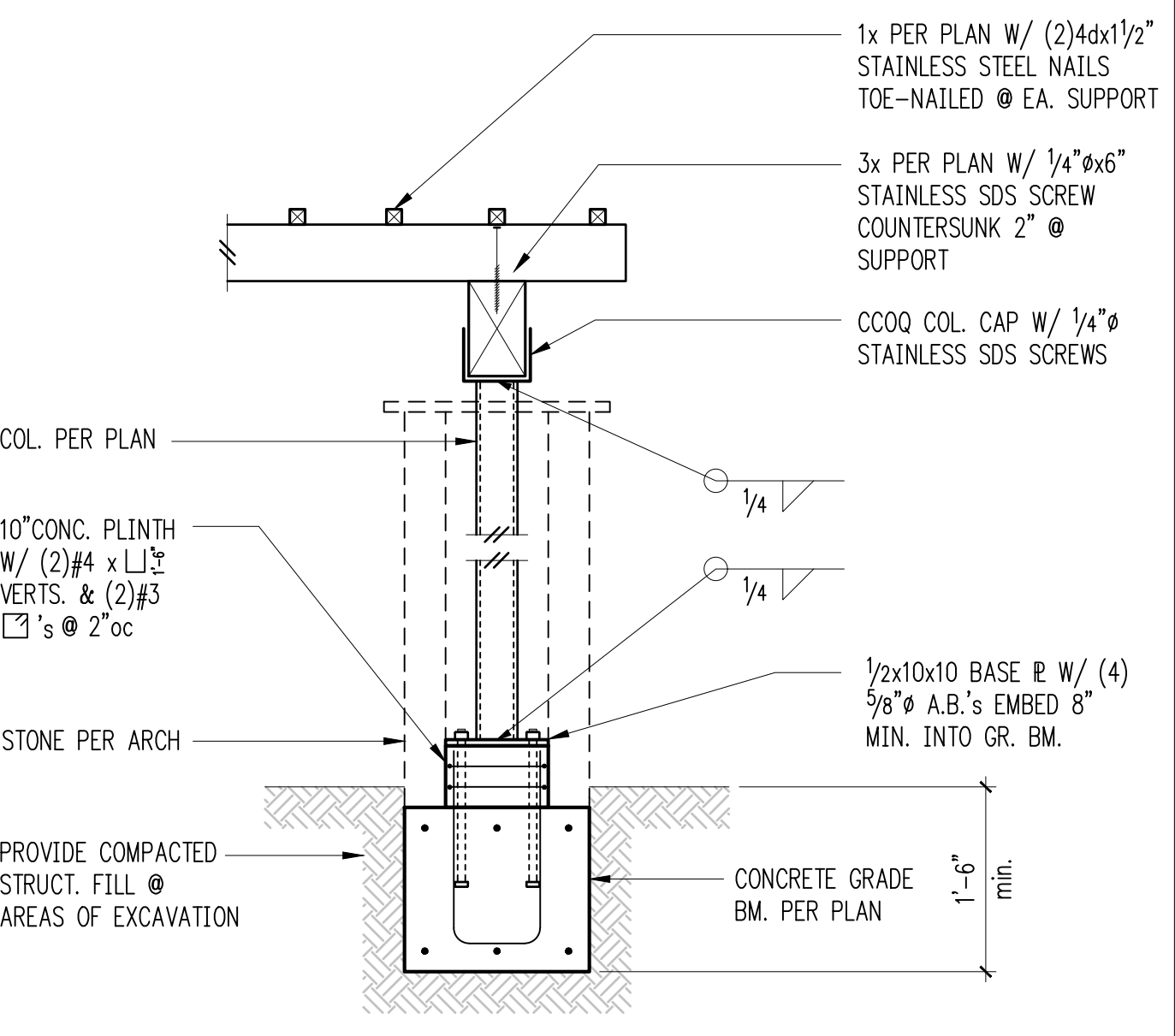
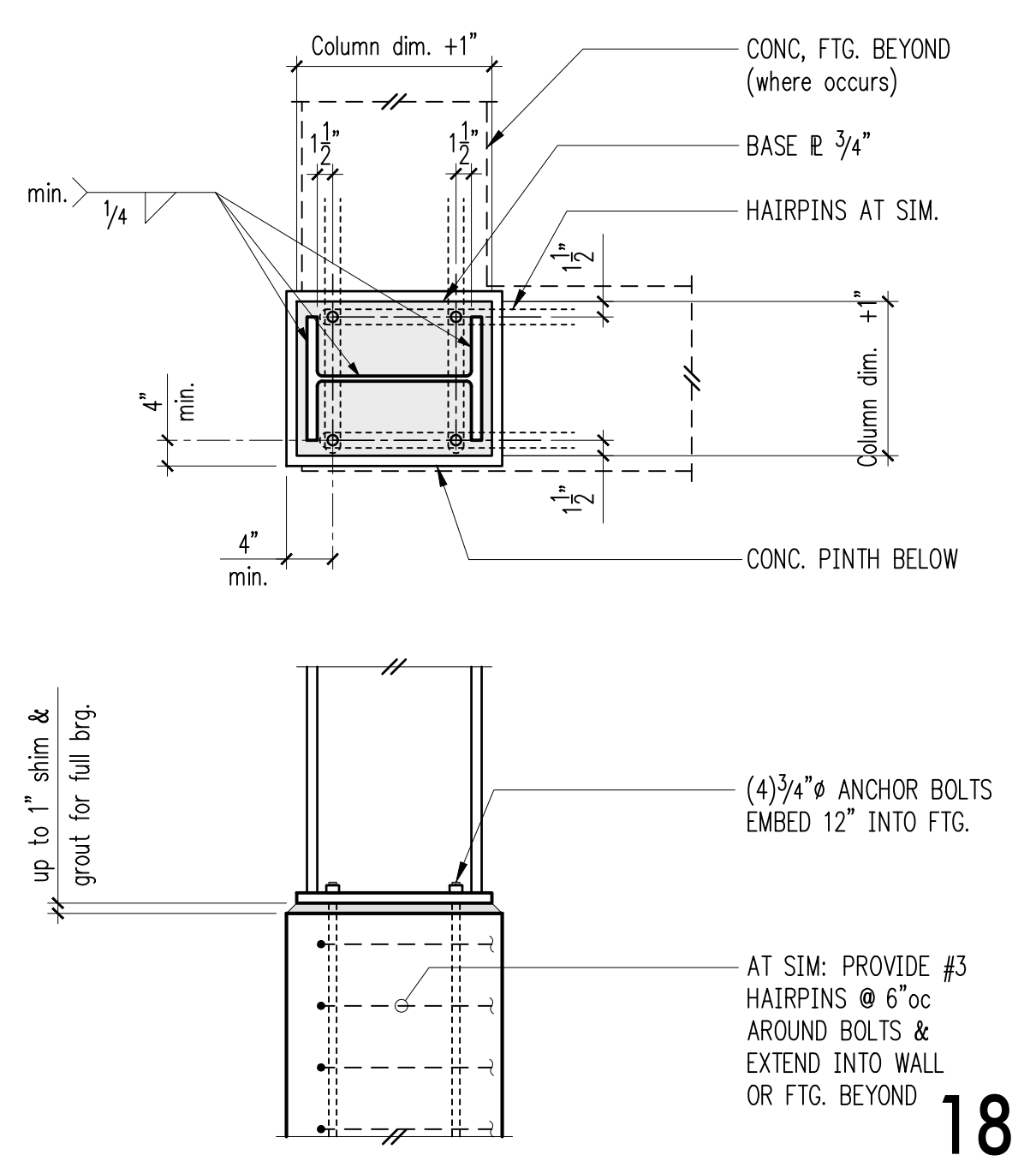
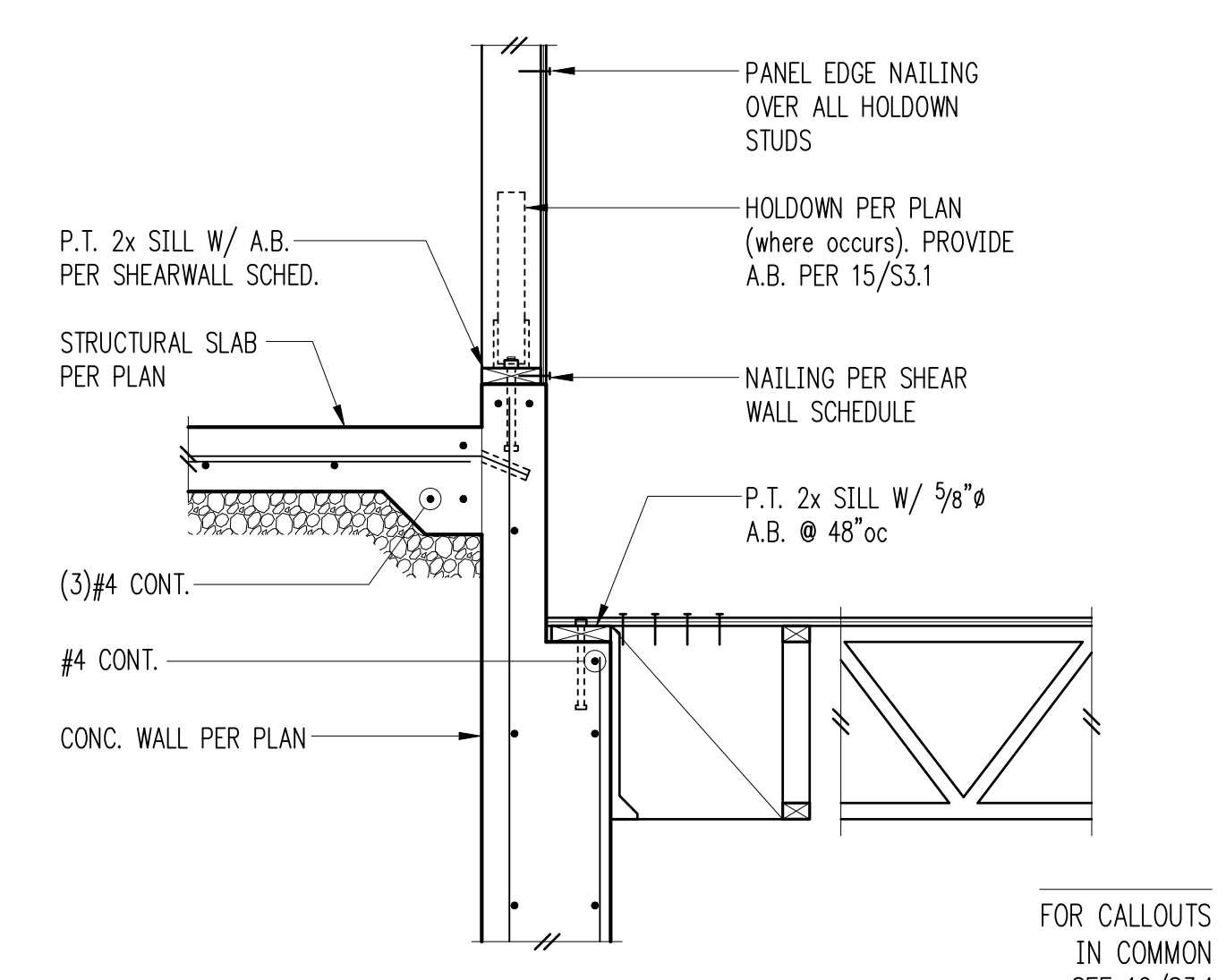
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Typical Trellis Detail 19

Baseplate - HSS Column 20



FOR CALLOUTS IN COMMON SEE 10/S3.1

PROJECT TITLE:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

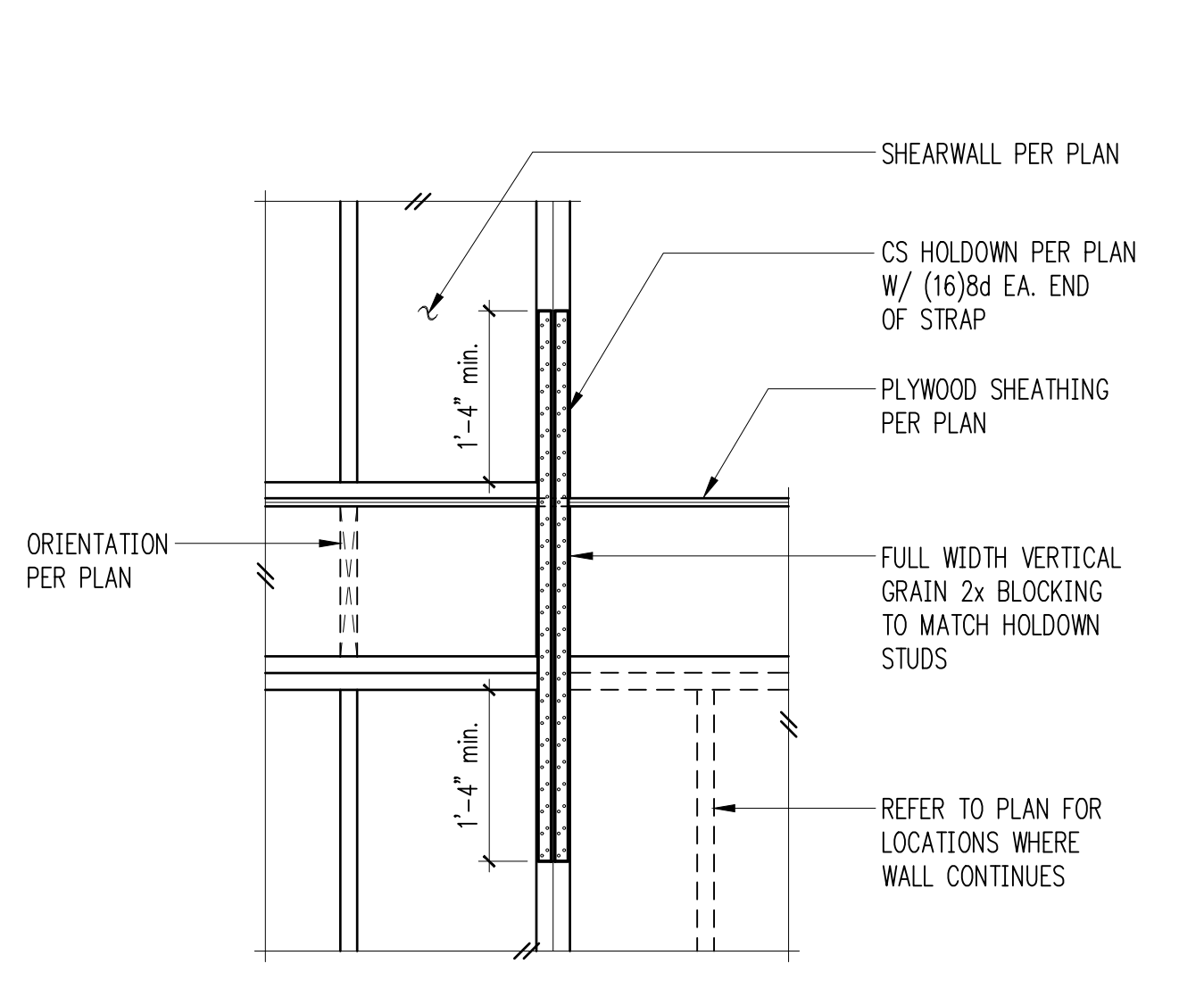
ARCHITECT:
Demetriou Architects
 5555 Lakeview Drive, Suite 200
 Kirkland, WA 98033
 PH 425-827-170

ISSUE:
Permit
 SHEET TITLE:
Concrete Details

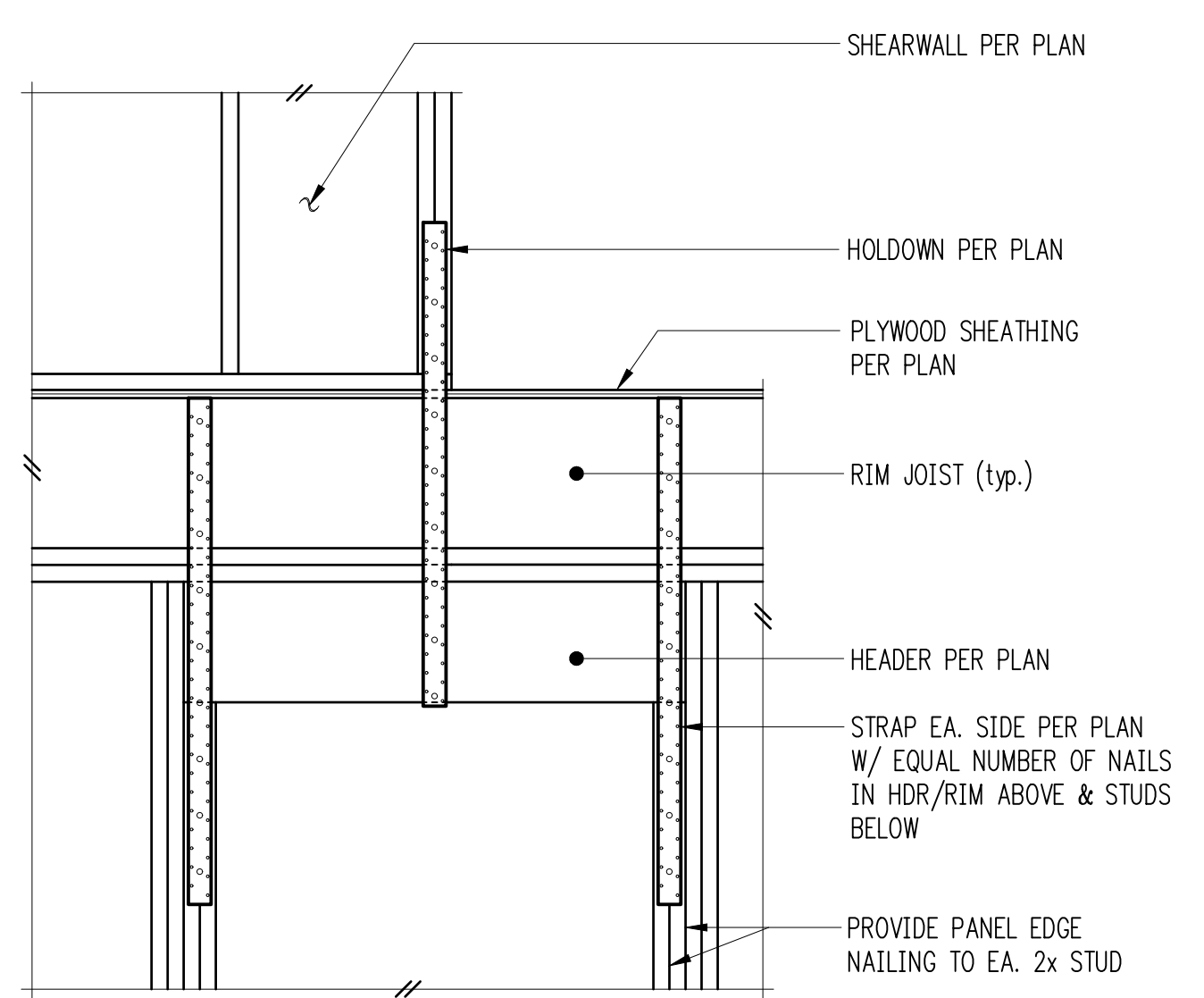
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 DATE:
 November 10, 2017
 PROJECT NO:
 00641-2017-01
 SHEET NO:

S3.2

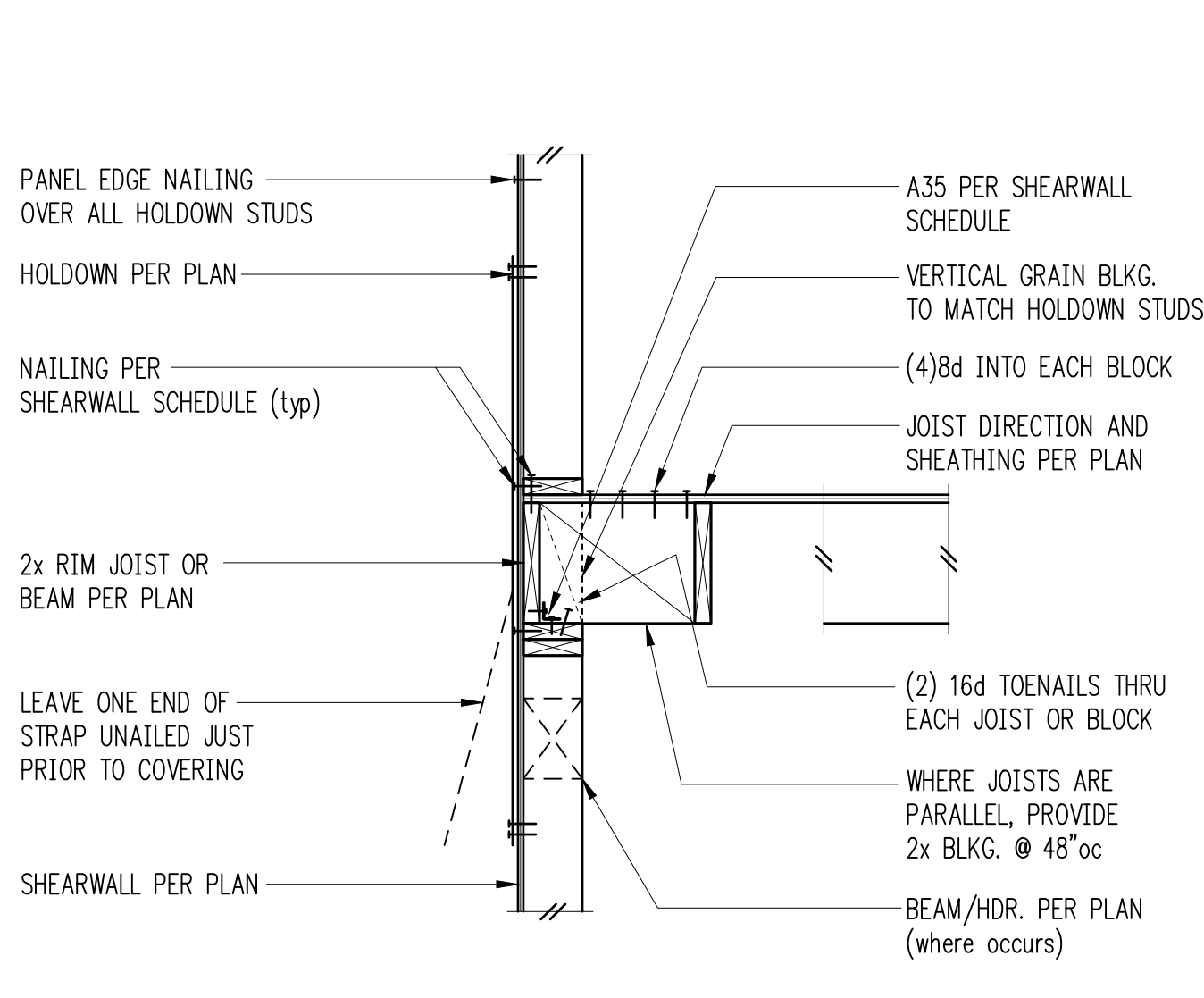
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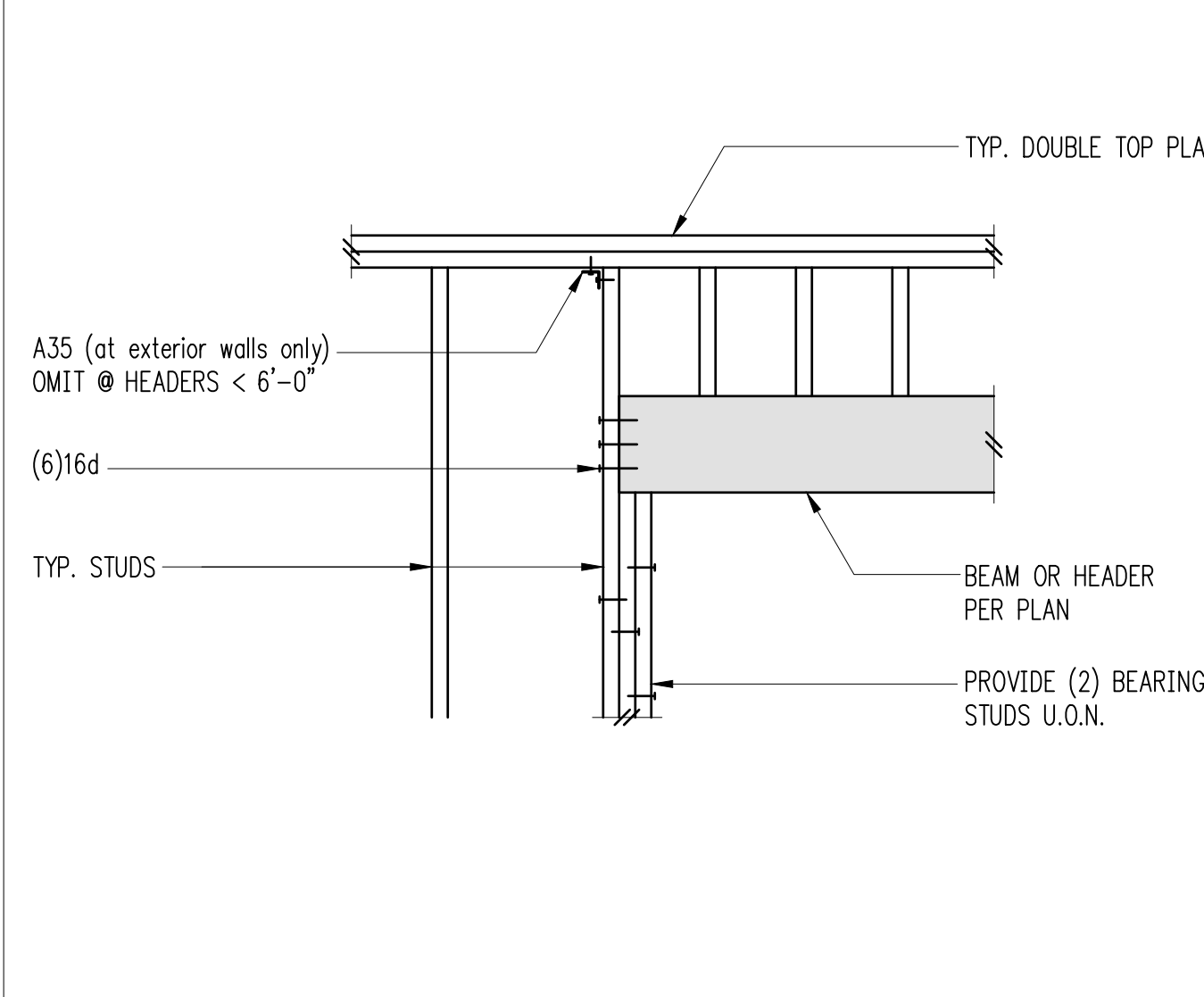
Typical CS Holdown 1



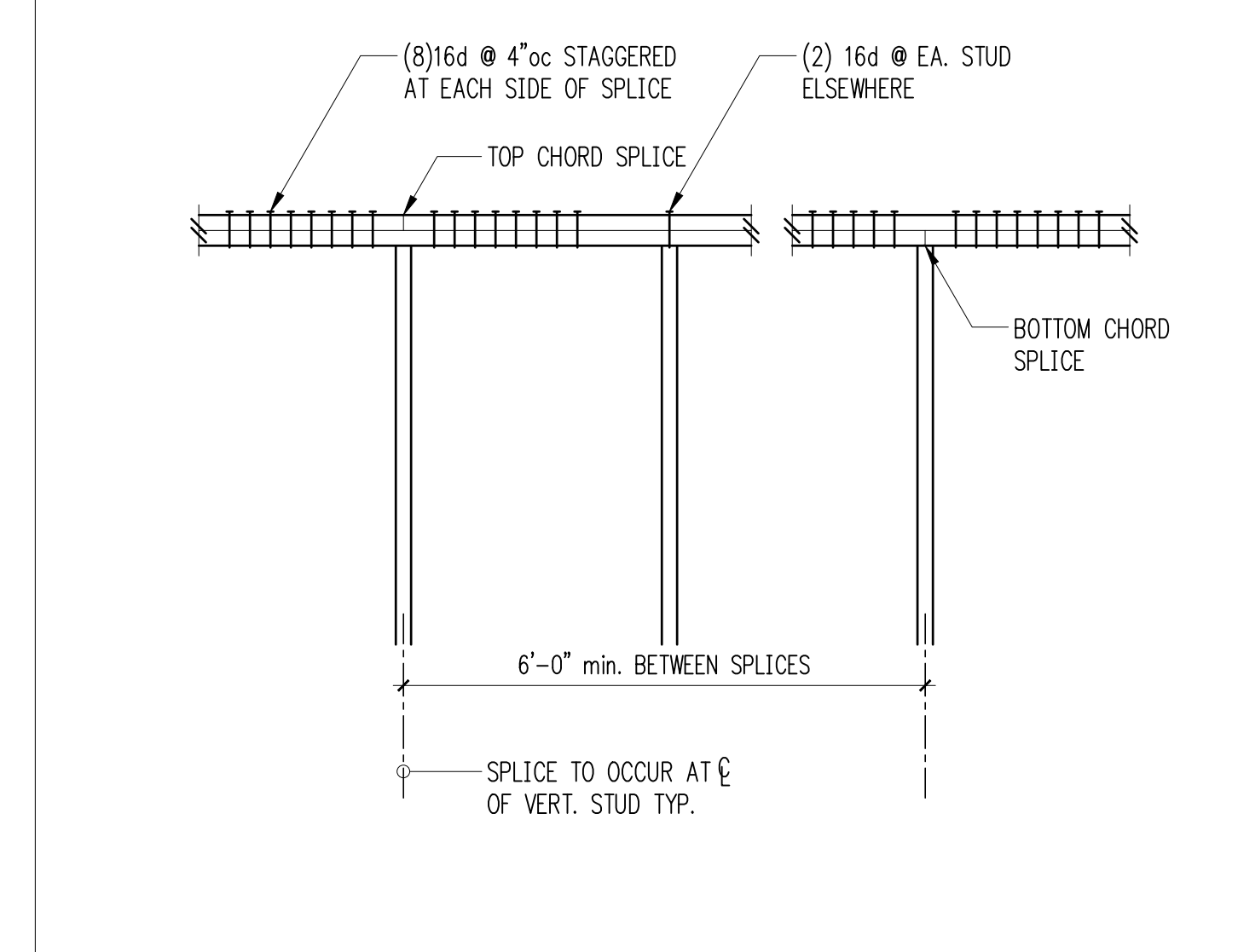
Typical Strap over Beam 2



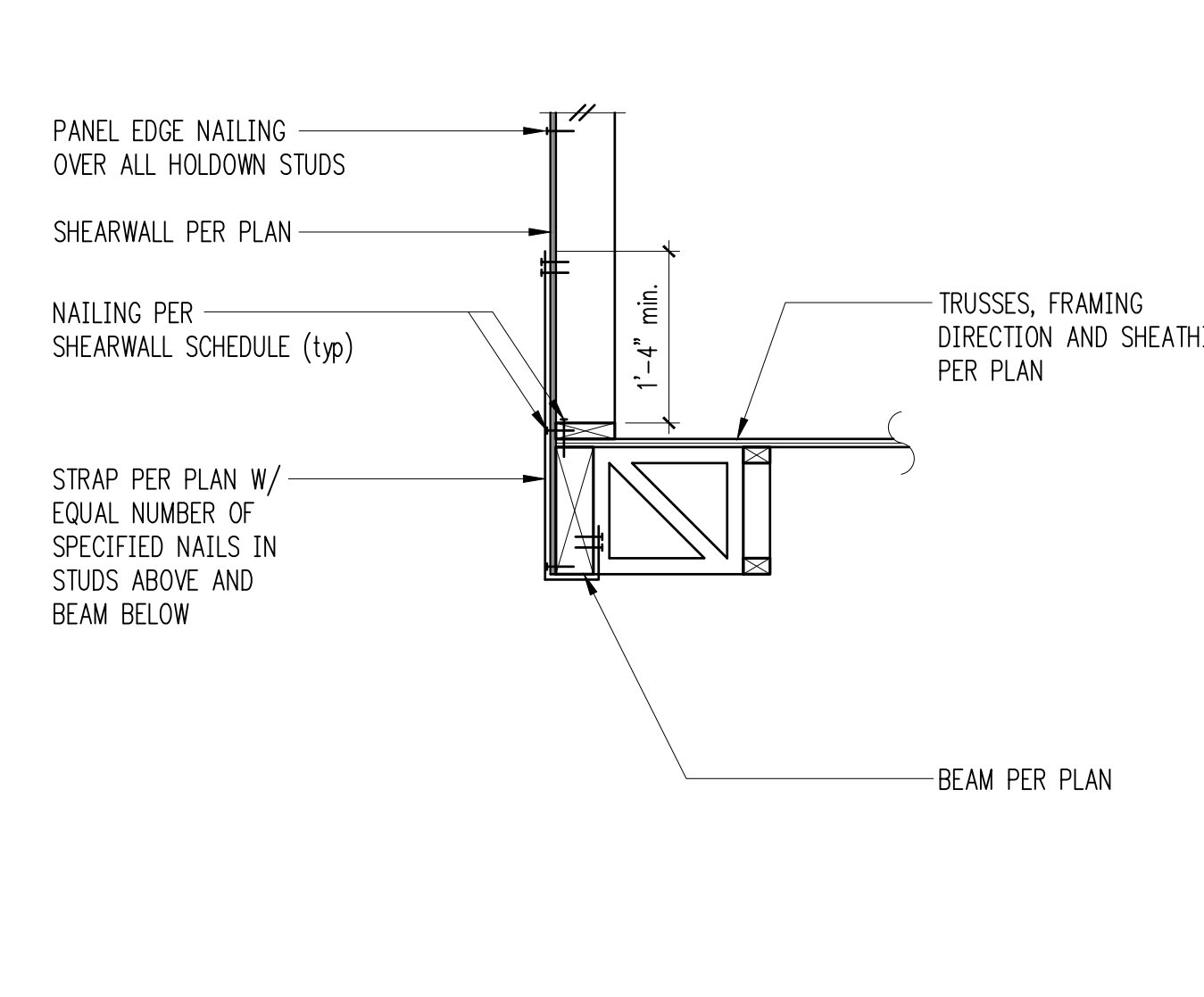
Exterior Floor Framing 3



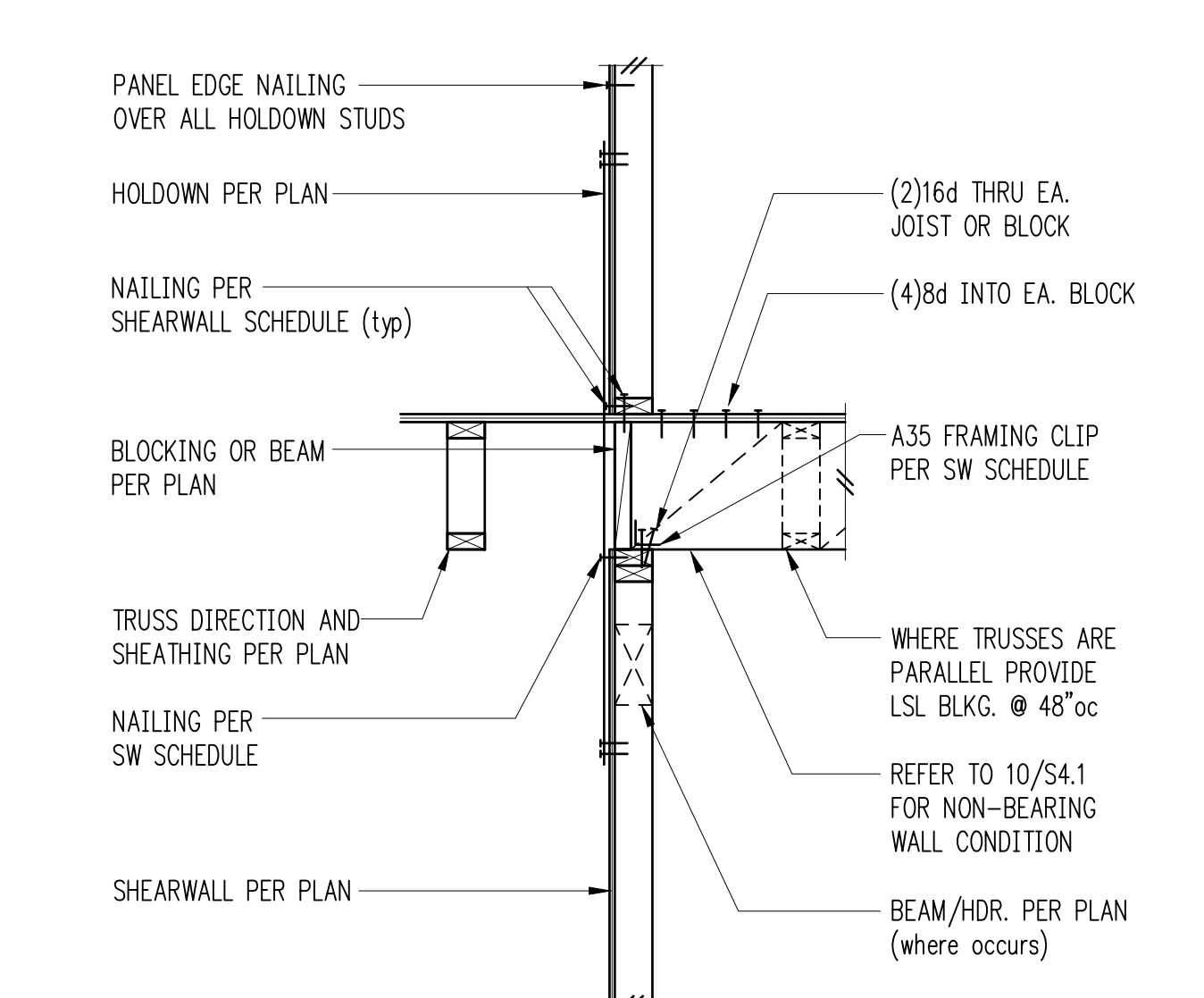
Typical Header Support w/2 Bearing Studs 4



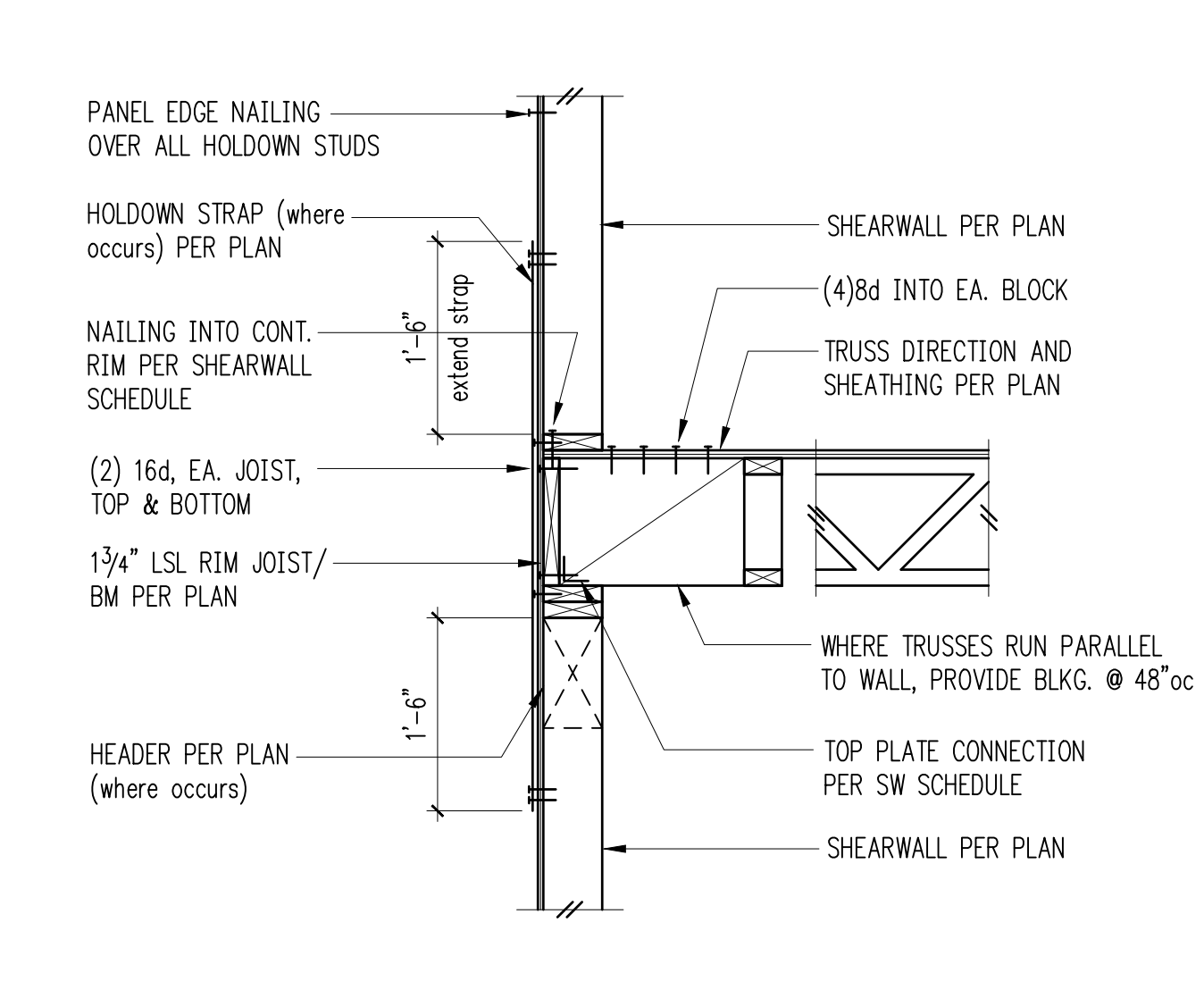
Typical Top Plate Splice 5



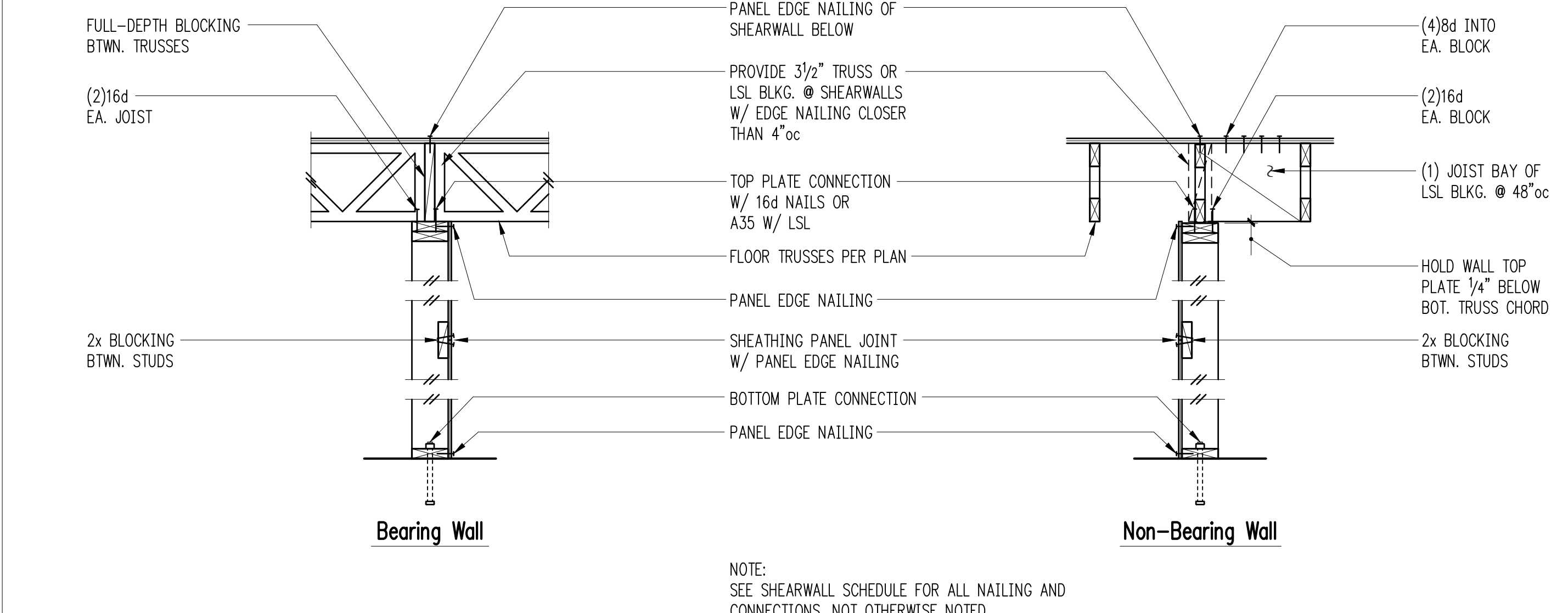
Exterior Floor Beam w/ Trusses Parallel 6



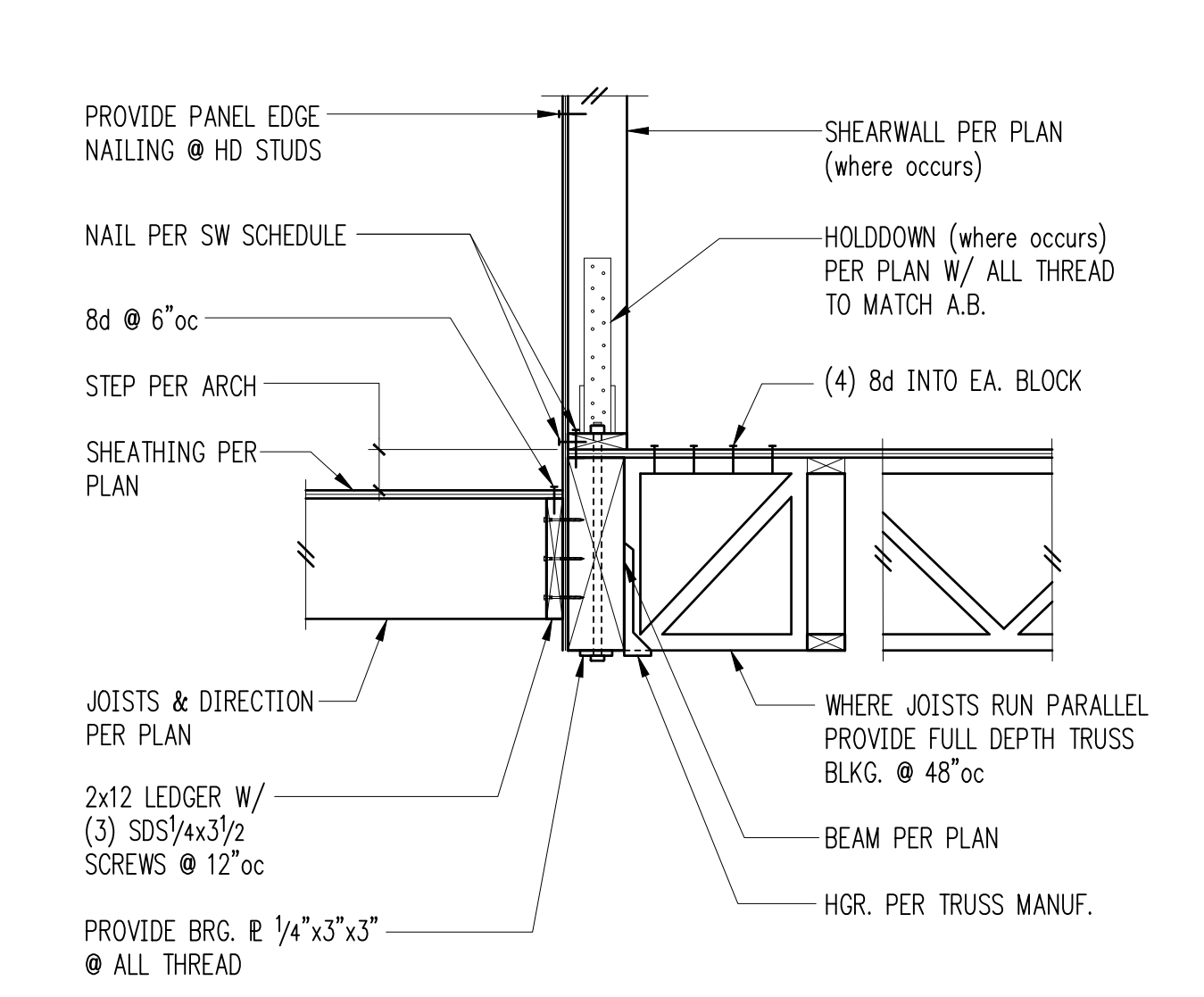
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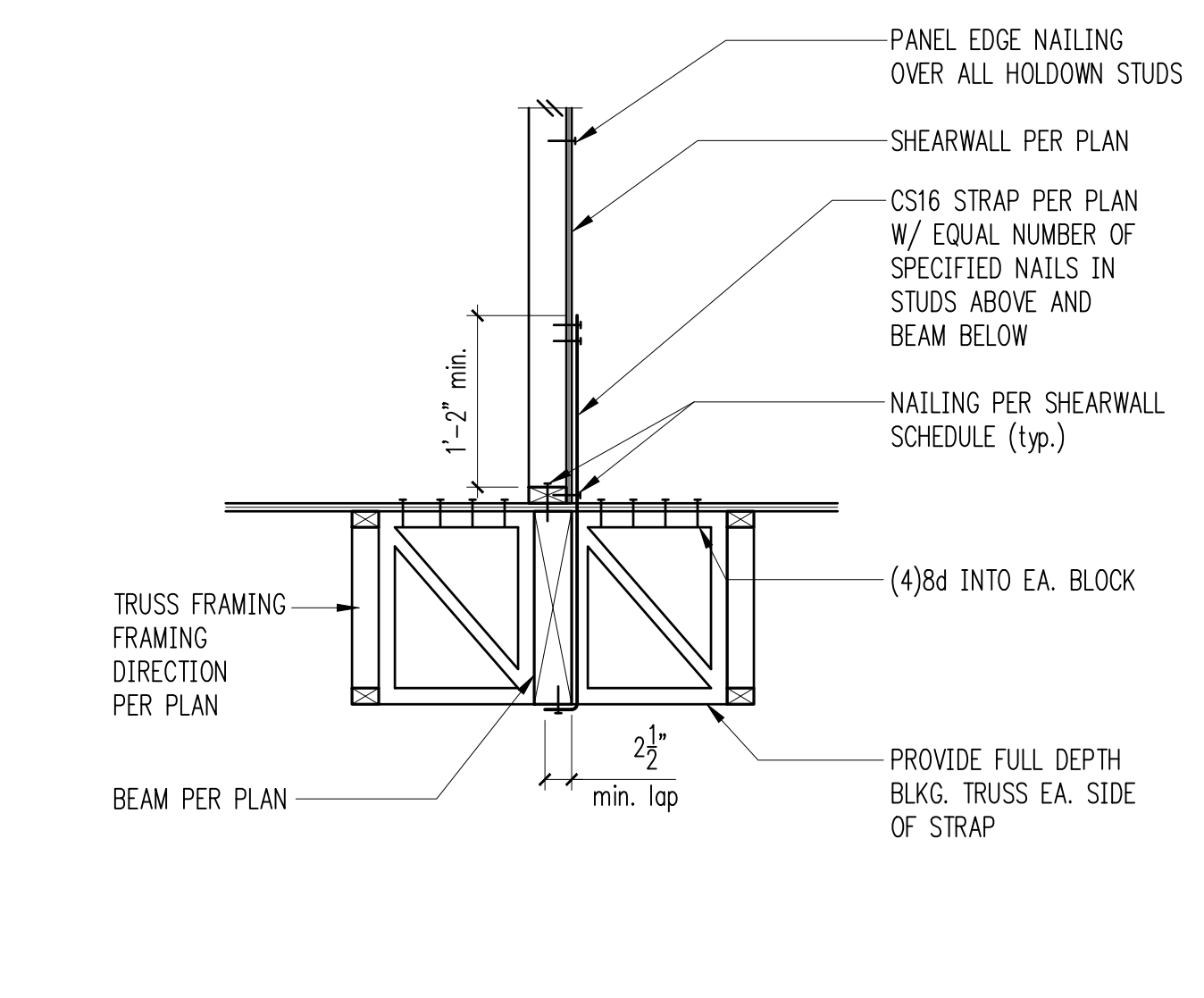
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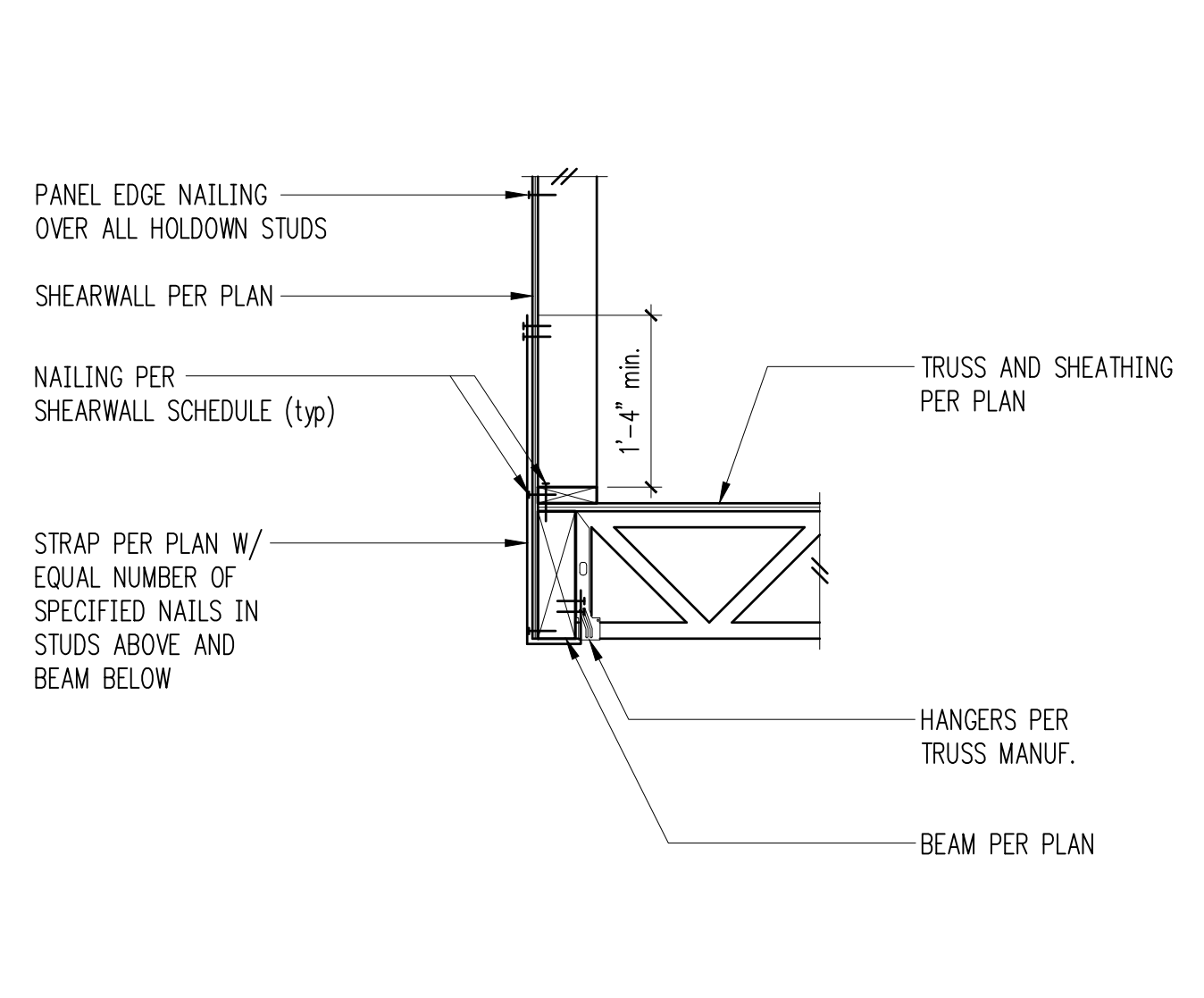
Typical Shearwall Construction 10



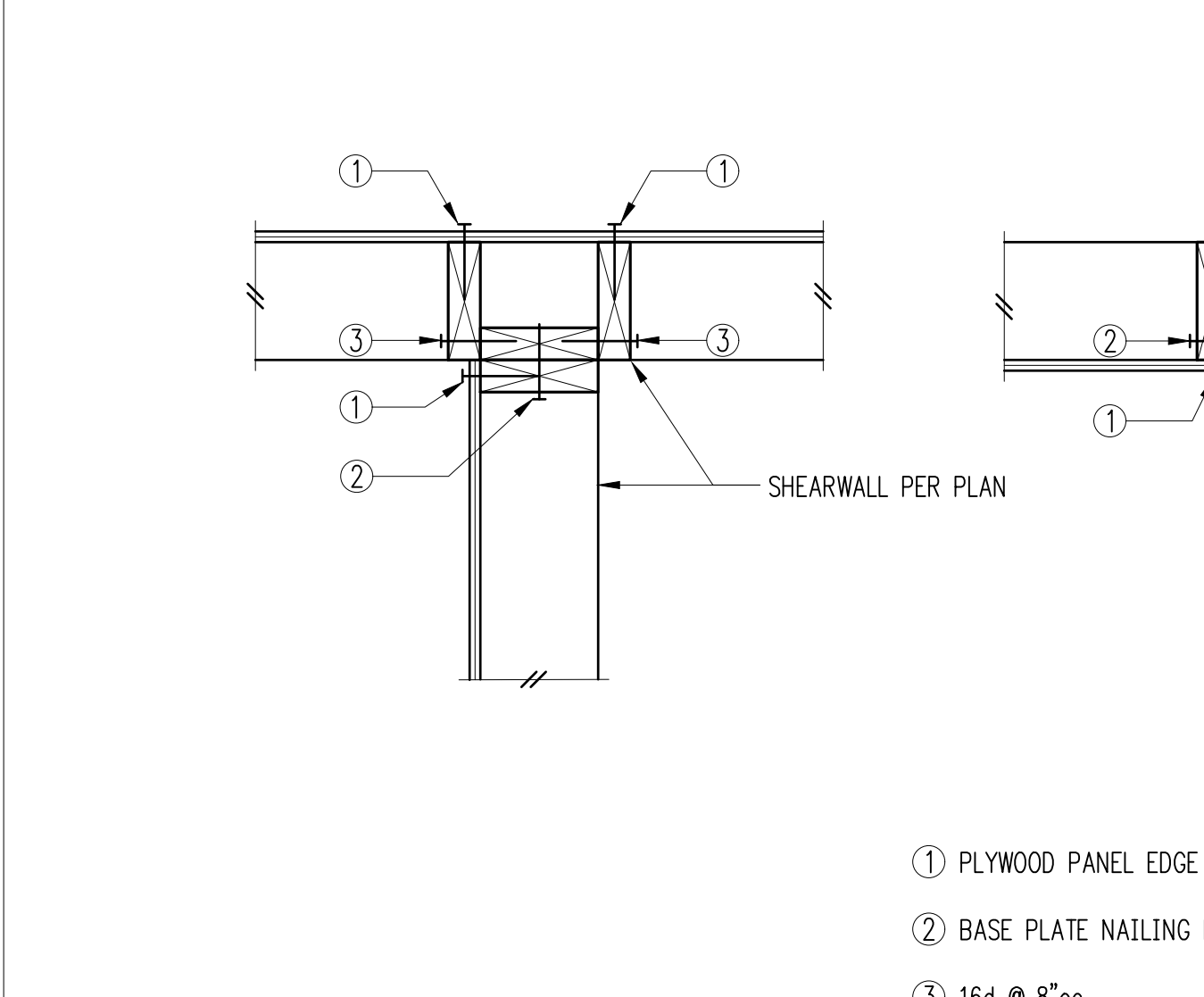
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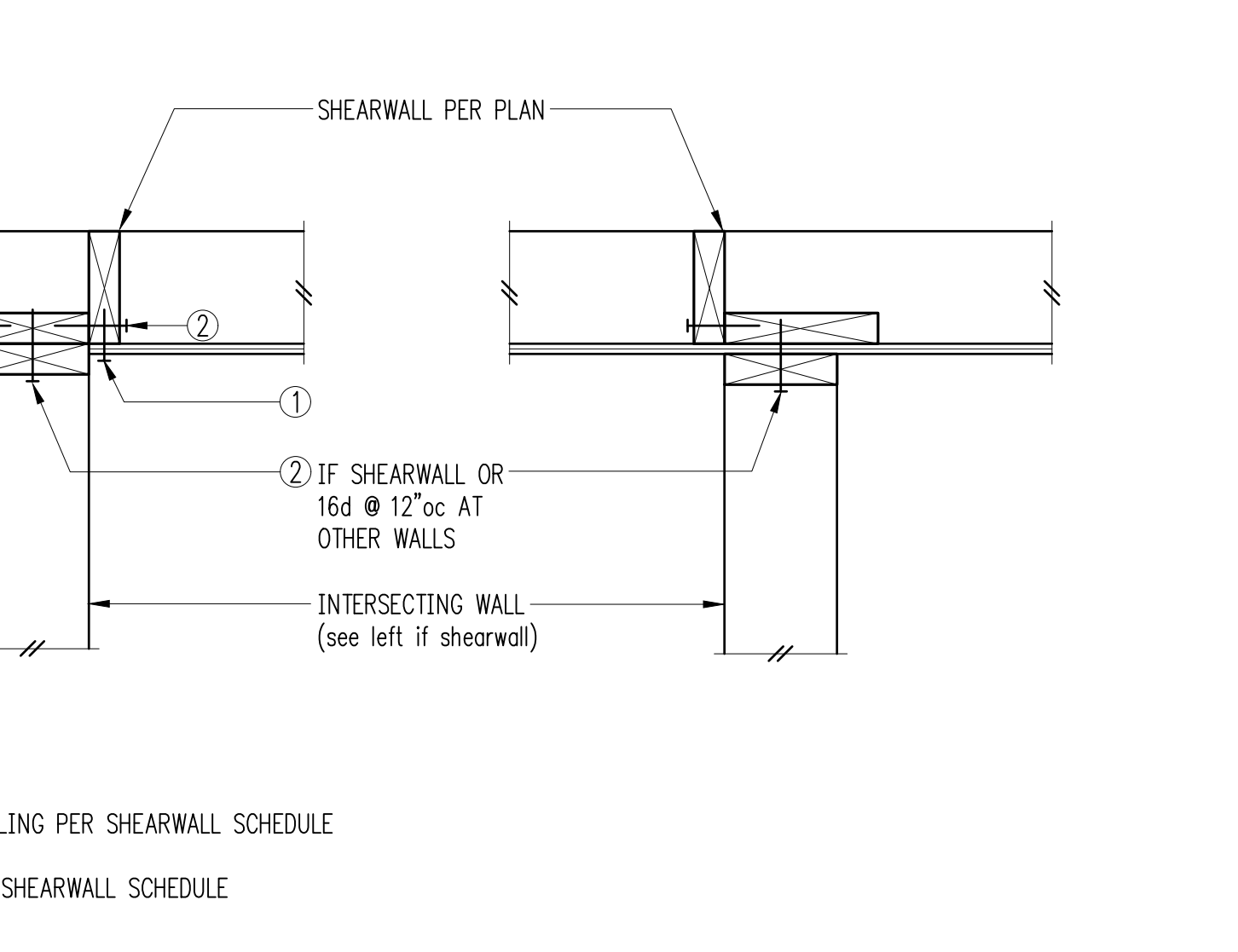
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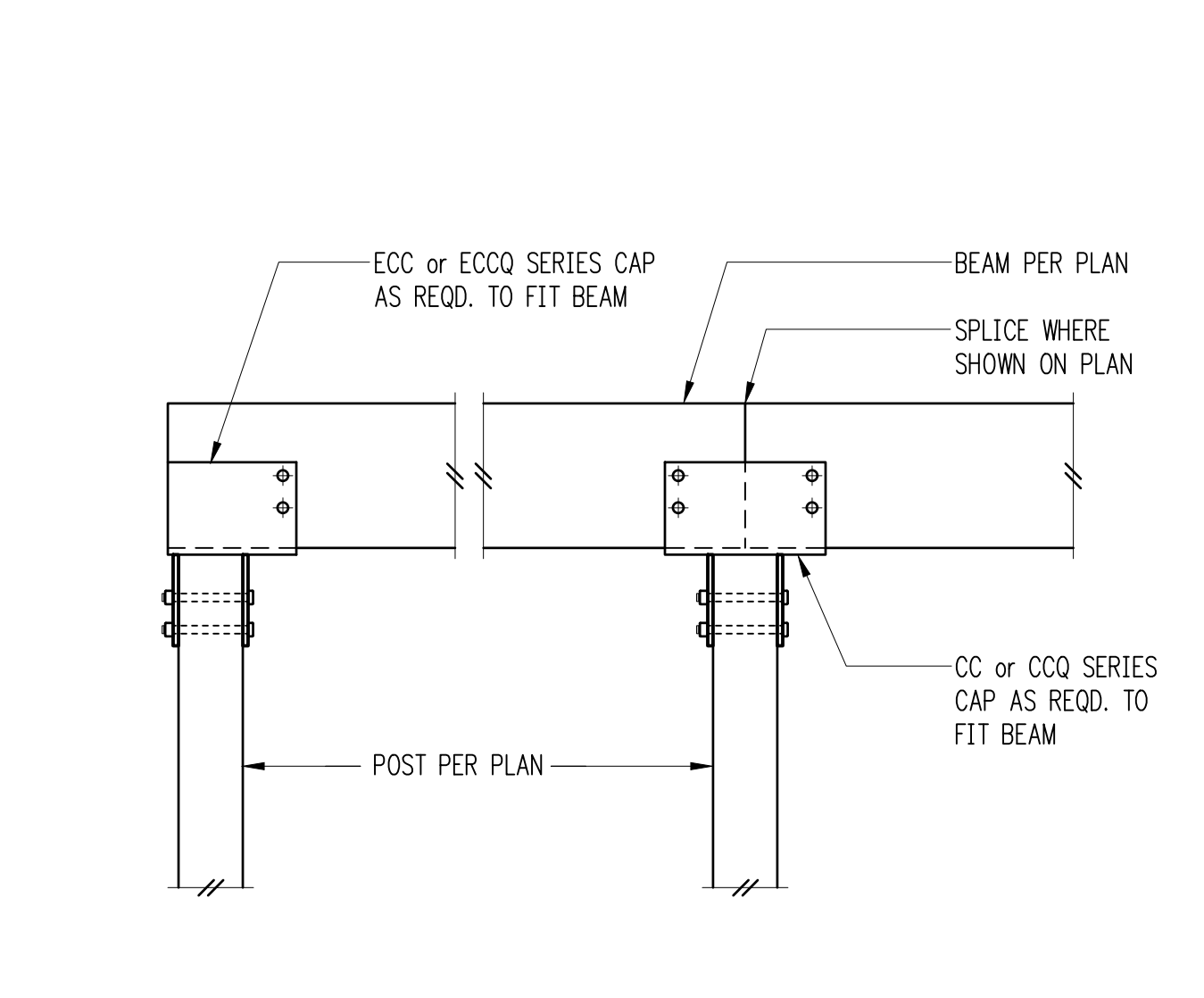
Exterior Floor Beam w/ Trusses Perpendicular 13



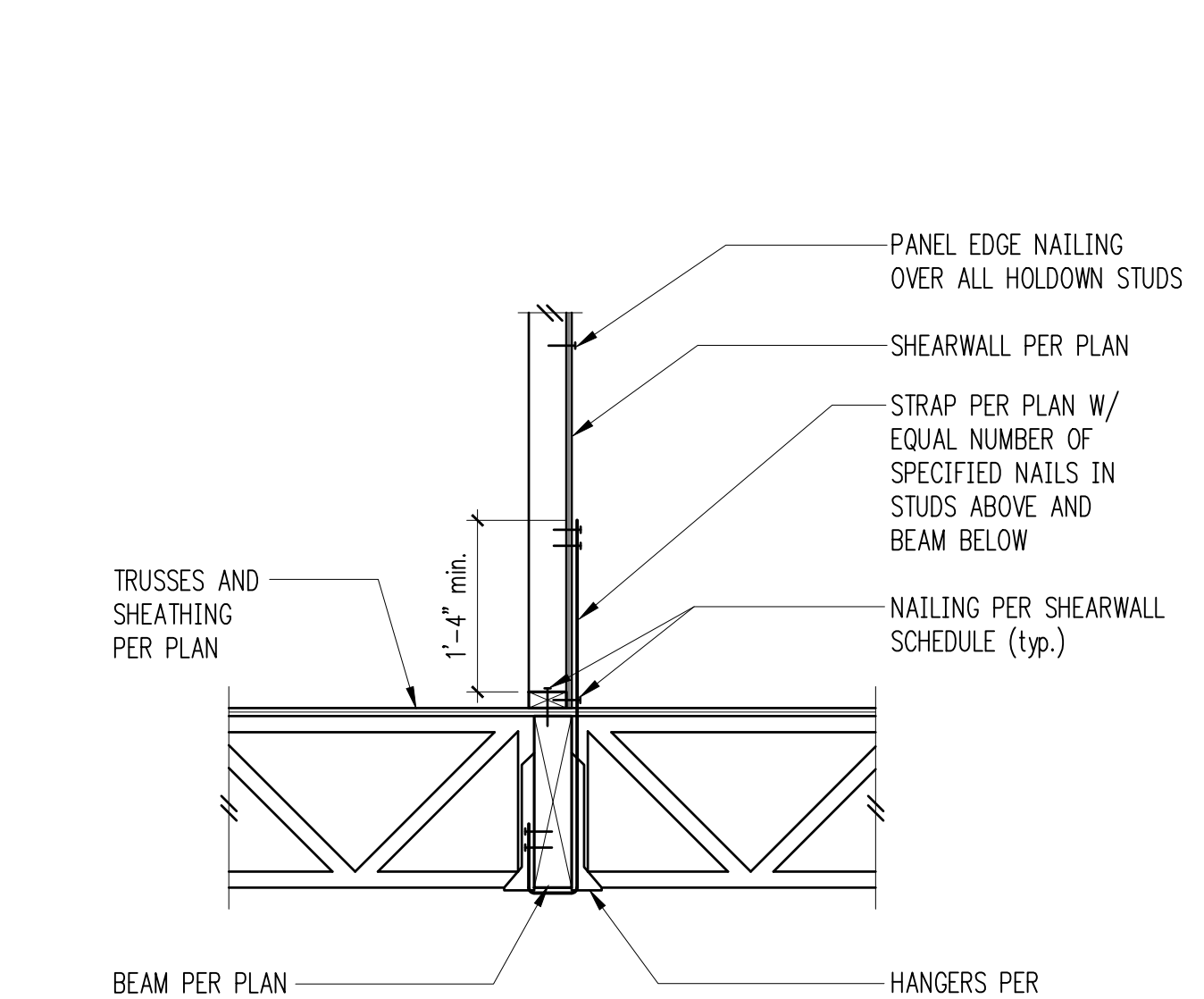
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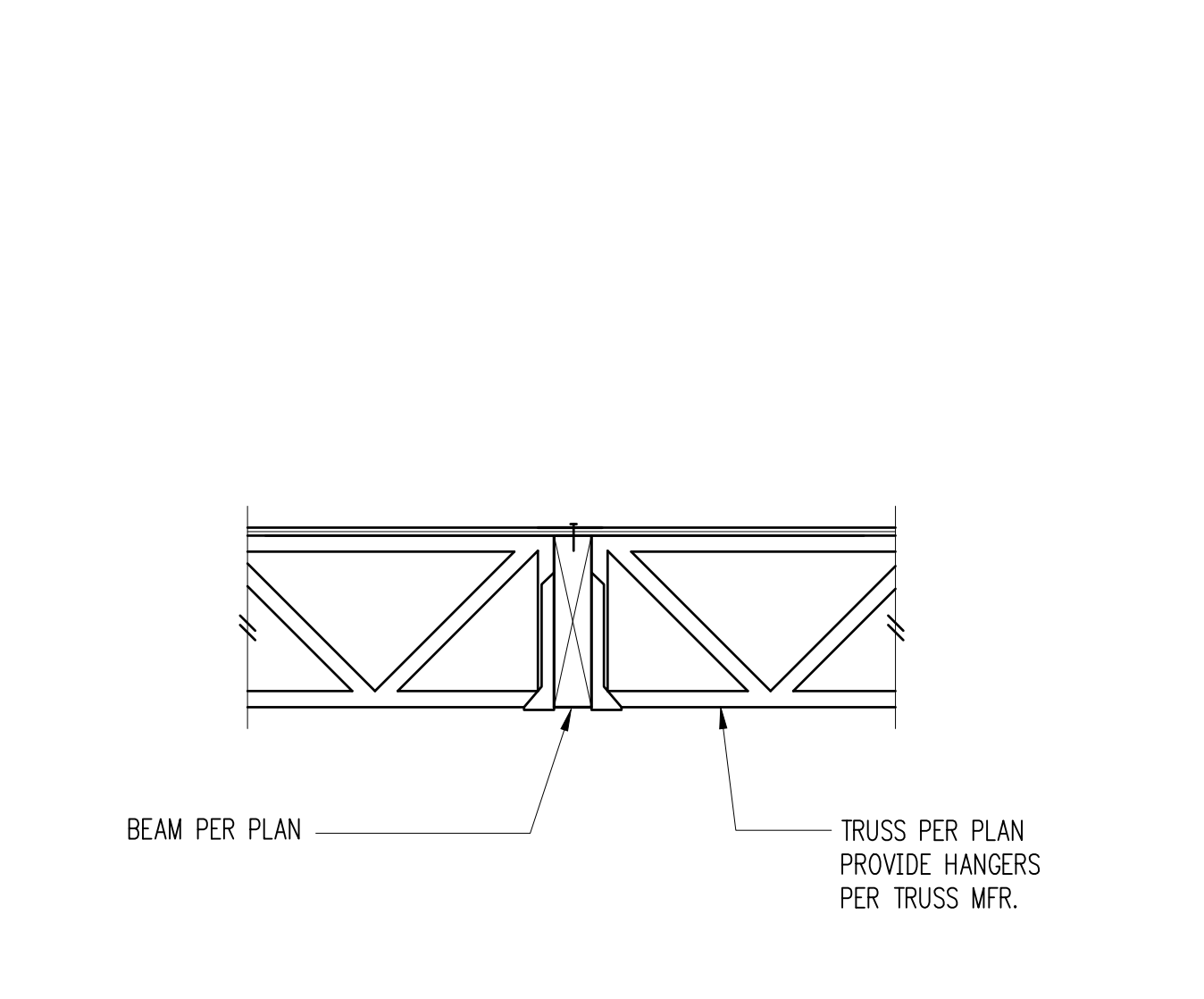
Typical Shearwall Intersections 15



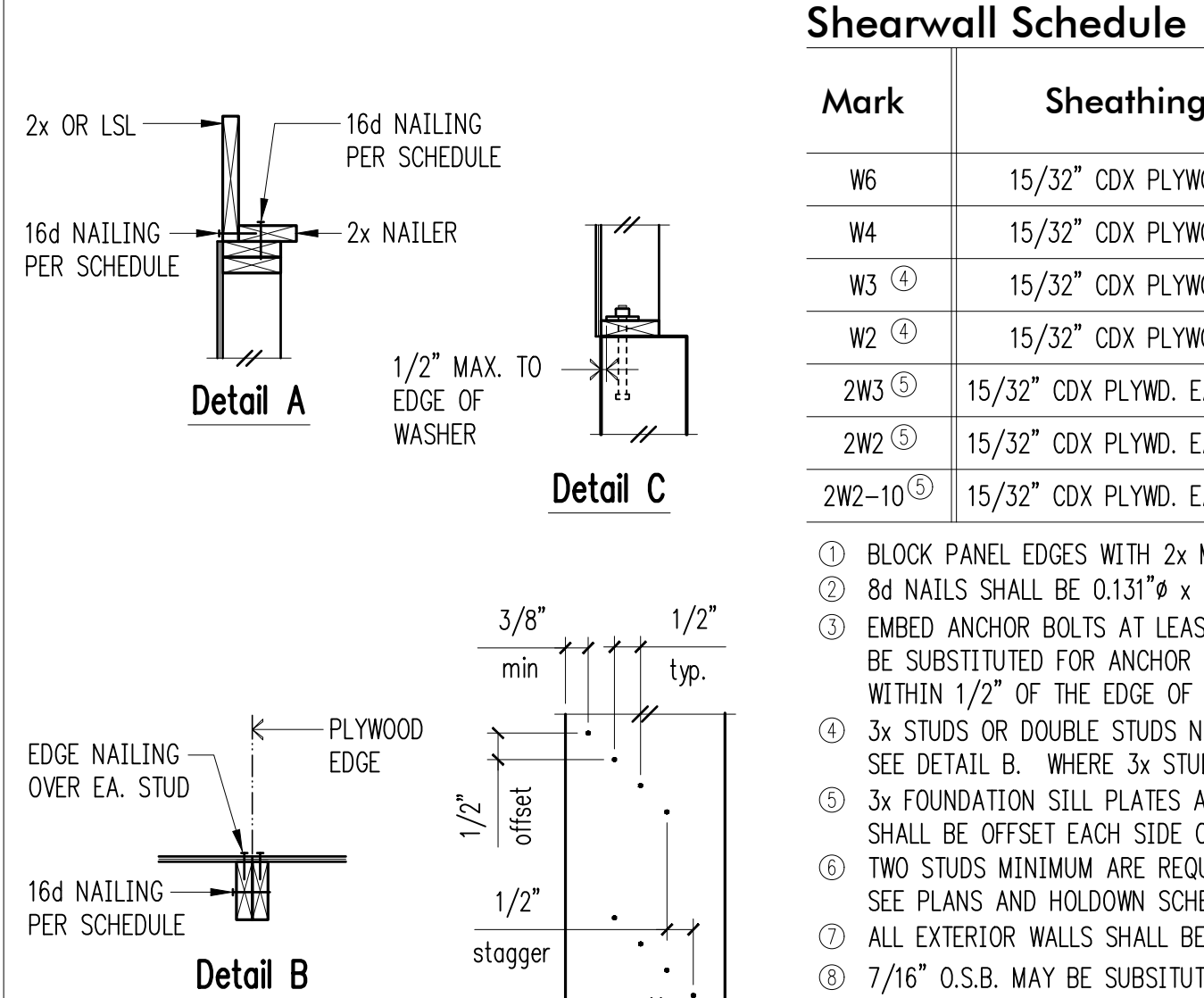
CC/CCQ Series Connection 16



17



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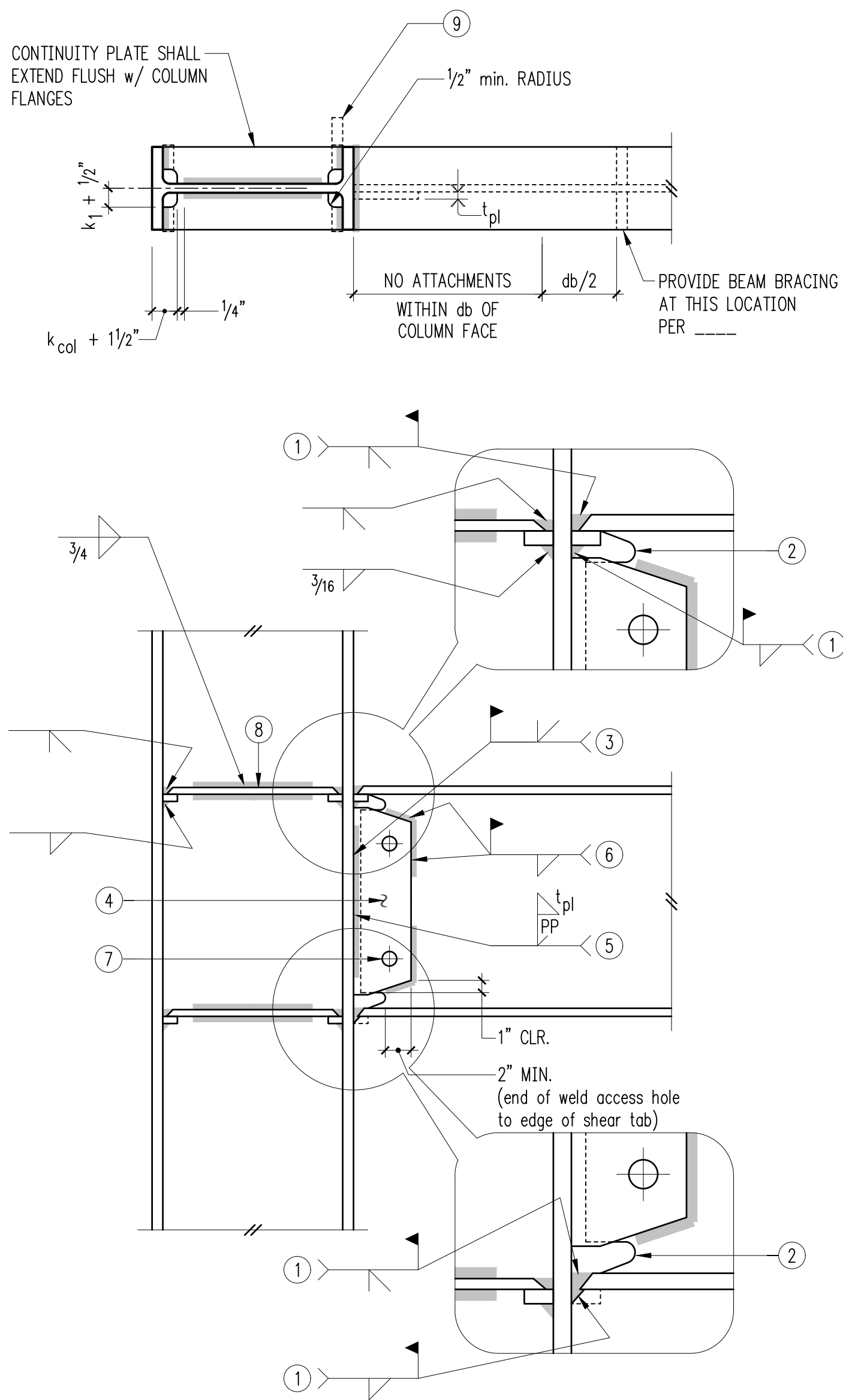
19

Mark	Sheathing	Panel Edge Nailing	Top Plate Connection		Base Plate Connection	
			if TJI	if 2x or LSL	at Wood	at Concrete
W6	15/32" CDX PLYWOOD	8d @ 6"oc	16d @ 6"oc	A35 @ 24"oc	16d @ 6"oc	5/8" A.B. @ 48"oc
W4	15/32" CDX PLYWOOD	8d @ 4"oc	16d @ 4"oc	A35 @ 16"oc	16d @ 4"oc	5/8" A.B. @ 32"oc
W3	15/32" CDX PLYWOOD	8d @ 3"oc	(2)rows 16d @ 4"oc	A35 @ 12"oc	(2)rows 16d @ 6"oc	5/8" A.B. @ 24"oc
W2	15/32" CDX PLYWOOD	8d @ 2"oc	(2)rows 16d @ 4"oc	A35 @ 9"oc	(2)rows 16d @ 4"oc	5/8" A.B. @ 16"oc
2W3	15/32" CDX PLYWOOD. EA. SIDE	8d @ 3"oc EA. SIDE	n/a	A35 @ 6"oc	(3)rows 16d @ 4"oc	5/8" A.B. @ 16"oc
2W2	15/32" CDX PLYWOOD. EA. SIDE	8d @ 2"oc EA. SIDE	n/a	HGA10 @ 8"oc	(3)rows 16d @ 4"oc	5/8" A.B. @ 12"oc
2W2-10	15/32" CDX PLYWOOD. EA. SIDE	10d @ 2"oc EA. SIDE	n/a	HGA10 @ 6"oc	(4)rows 16d @ 4"oc	5/8" A.B. @ 12"oc

Shearwall Schedule - (Sheathed One & Two Sides) 20

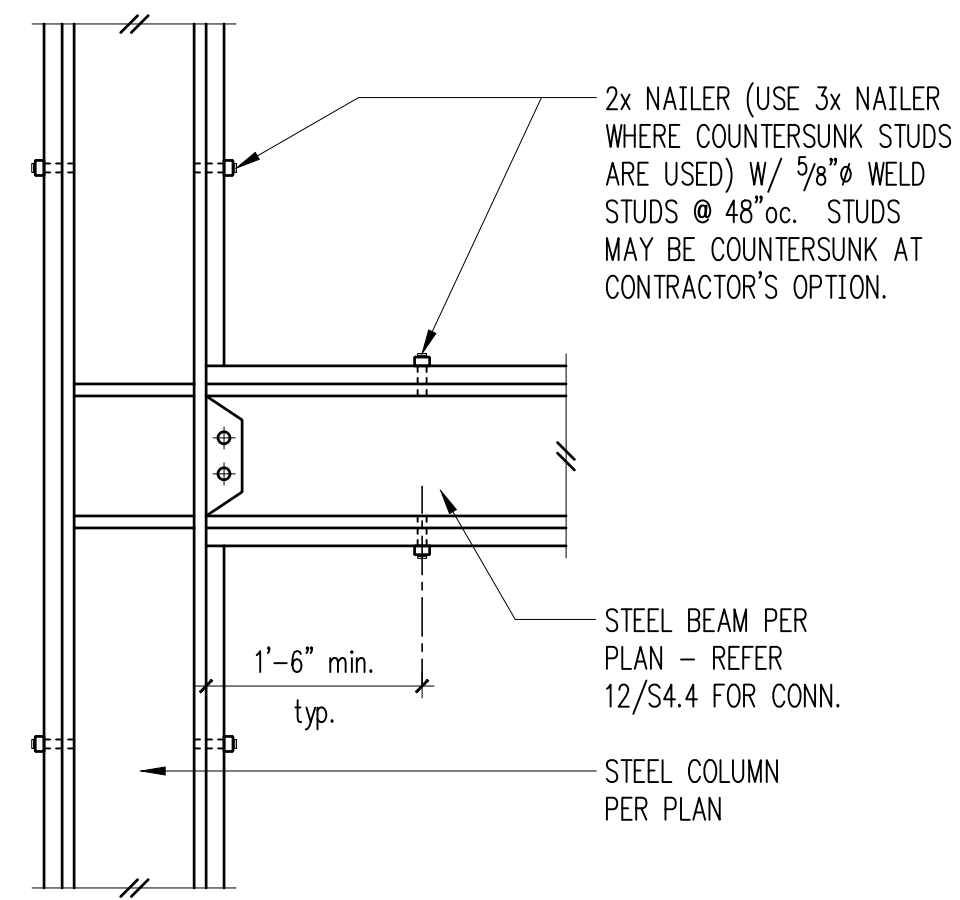
Shearwall Schedule

1 BLOCK PANEL EDGES WITH 2x MIN. LAID FLAT AND NAIL PANELS TO INTERMEDIATE SUPPORTS WITH 8d @ 12"oc.
 2 8d NAILS SHALL BE 0.131" x 2 1/2" (COMMON) - 16d NAILS SHALL BE 0.135" x 3 1/2" (BOX) - 10d NAILS SHALL BE 0.148" x 3" (COMMON).
 3 EMBED ANCHOR BOLTS AT LEAST 7". EXPANSION BOLTS MAY BE SUBSTITUTED FOR ANCHOR BOLTS WITH 4" EMBEDMENT. TITEN HD SCREW ANCHORS MAY BE SUBSTITUTED FOR ANCHOR BOLTS W/ 4" EMBEDMENT. ALL BOLTS SHALL HAVE 3" x 3" x 1/4" MIN. PLATE WASHERS. PLATE WASHERS SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE WITH SHEATHING. SEE DETAIL C.
 4 3x STUDS OR DOUBLE STUDS NAILED TOGETHER W/ BASE PLATE NAILING ARE REQUIRED AT ABUTTING PANEL EDGES OF W3 AND W2. SEE DETAIL B. WHERE 3x STUDS ARE USED FOR W2, STAGGER NAILS AT ADJOINING PANEL EDGES.
 5 3x FOUNDATION SILL PLATES ARE REQUIRED FOR 2W3 AND 2W2. 3x STUDS ARE REQUIRED AT ABUTTING PANEL EDGES AND PANEL JOINTS SHALL BE OFFSET EACH SIDE OF WALL. STAGGER NAILS AT ADJOINING PANEL EDGES. 3x STUD, MIN., REQUIRED AT END OF SHEARWALL.
 6 TWO STUDS MINIMUM ARE REQUIRED AT EACH END OF ALL SINGLE-SIDED SHEARWALLS. ALL END STUDS SHALL RECEIVE PANEL EDGE NAILING.
 7 ALL EXTERIOR WALLS SHALL BE W6, UNLESS NOTED OTHERWISE.
 8 7/16" O.S.B. MAY BE SUBSTITUTED FOR 15/32" CDX.
 9 LTP4's W/ 8d COMMON MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.
 10 A 2x NAILER ATTACHED W/ BASE PLATE NAILING PER DETAIL A MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.
 11 STAGGER NAILS IN ROW W/ 1/2" MIN. OFFSET.
 12 MINIMUM OFFSET BETWEEN ROWS AND ROW SPACING 1/2", STAGGER NAILS 1/2" BETWEEN ROWS, AND MINIMUM RIM OR JOIST 3 1/2" WIDE. SEE DETAIL D.
 13 LVL RIMS PERMITTED AT W6 WALL ONLY.

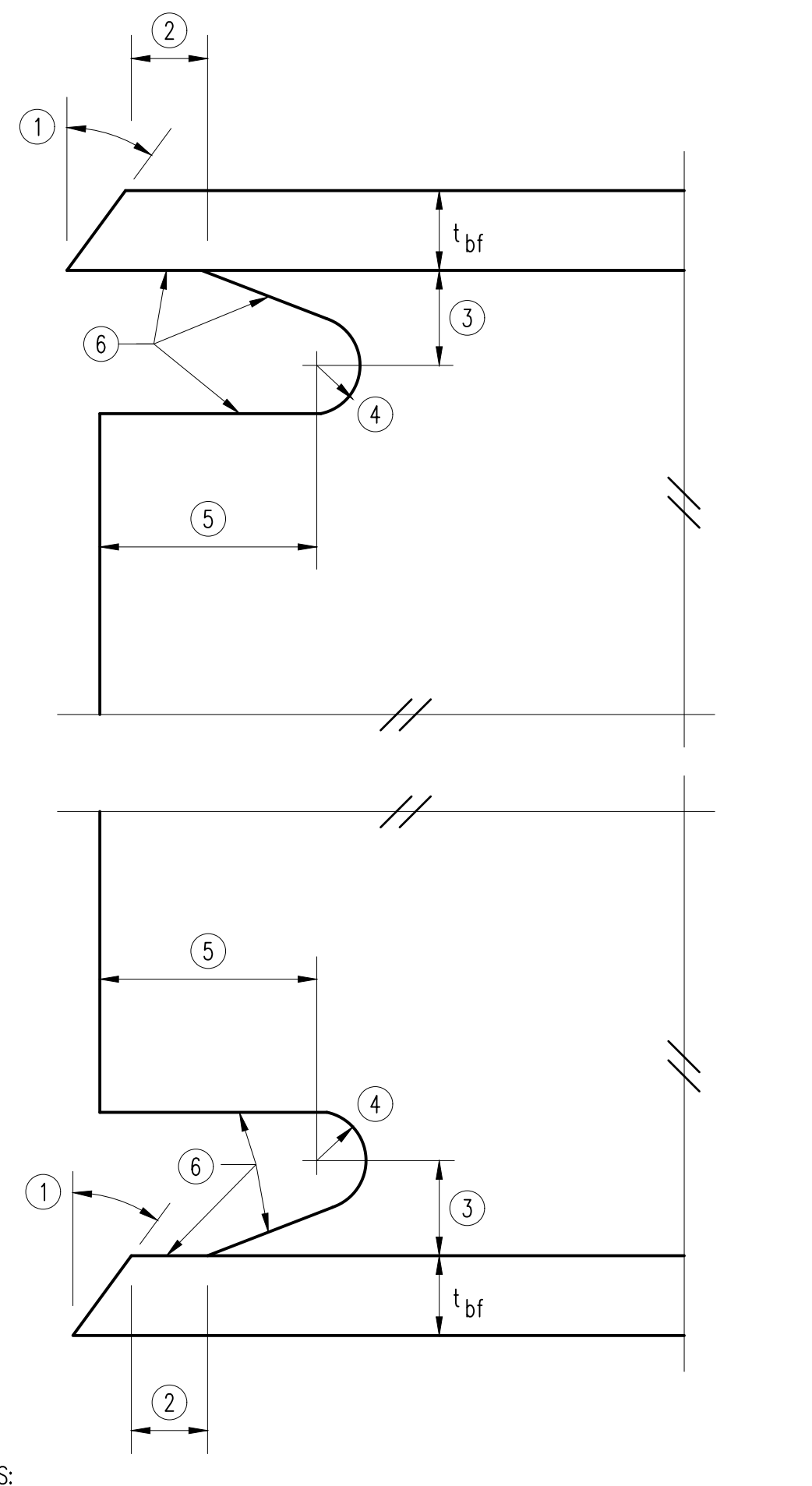


- NOTES:
- C/P GROOVE WELD AT TOP AND BOTTOM FLANGES. AT BOTTOM FLANGE REMOVE WELD BACKING, BACKGOUGE, GRIND SMOOTH AND ADD 3/16" MINIMUM FILLET WELD. AT TOP FLANGE, STEEL WELD BACKING MAY BE LEFT IN PLACE. ADD 3/16" MIN. FILLET WELD BELOW BACKER BAR. BACKING SHALL NOT BE WELDED (INCLUDING TACK WELDING) TO THE UNDERSIDE OF THE BEAM FLANGE.
 - WELD ACCESS HOLE, SEE DETAIL 11/S4.4.
 - C/P GROOVE WELD FULL LENGTH OF BEAM WEB BETWEEN WELD ACCESS HOLES. WELD TABS ARE NOT REQUIRED.
 - SHEAR TAB: THICKNESS (tp) > BEAM WEB THICKNESS. SHEAR TAB LENGTH SHALL BE AS TO ALLOW 1/4" MIN., 1/2" MAX. OVERLAP WITH THE WELD ACCESS HOLE AT TOP AND BOTTOM, AND THE WIDTH SHALL EXTEND 2" MINIMUM BACK ALONG THE BEAM, BEYOND THE END OF THE WELD ACCESS HOLE.
 - FULL-DEPTH PARTIAL PENETRATION SHEAR TAB TO COLUMN FROM FAR SIDE.
 - FILLET WELD SHEAR TAB TO BEAM WEB. WELD SIZE SHALL BE EQUAL TO THE THICKNESS OF THE SHEAR TAB MINUS 1/16". WELD SHALL EXTEND OVER THE TOP AND BOTTOM ONE-THIRD OF THE SHEAR TAB HEIGHT AND ACROSS THE TOP AND BOTTOM. TERMINATE WELD BETWEEN 1/2" & 1" FROM WELD ACCESS HOLE.
 - (2) 3/4" BOLTS FOR ERECTION. IN STANDARD OR SHORT SLOTTED HOLES.
 - CONTINUITY PLATE THICKNESS > 2x BEAM FLANGE THICKNESS. PLATE SHALL BE 50ksi STEEL.
 - REMOVE WELD TABS TO 1/4" MAXIMUM FROM EDGE OF CONTINUITY PLATE. GRIND END OF WELD SMOOTH (500 μ-in), NOT FLUSH. DO NOT GOUGE COLUMN FLANGE.

Typical Moment Connection - WUFW 11

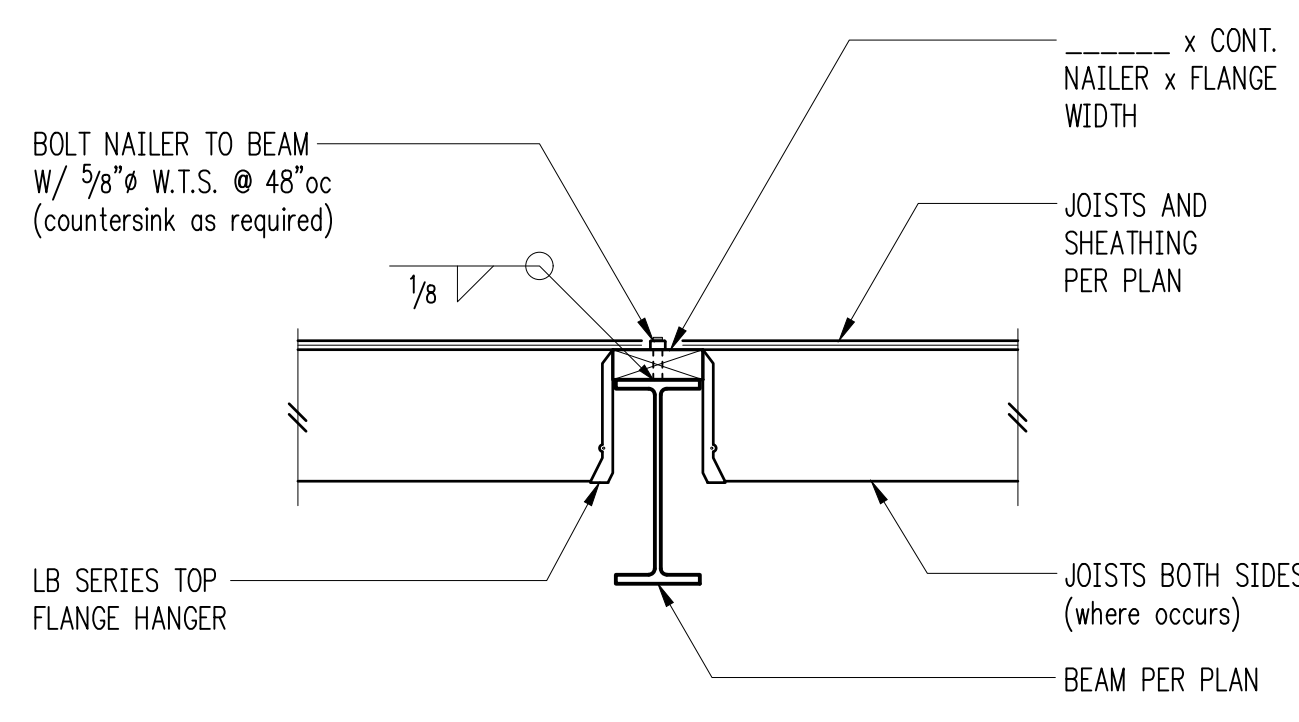


Nailer Plate to Moment Frame 2

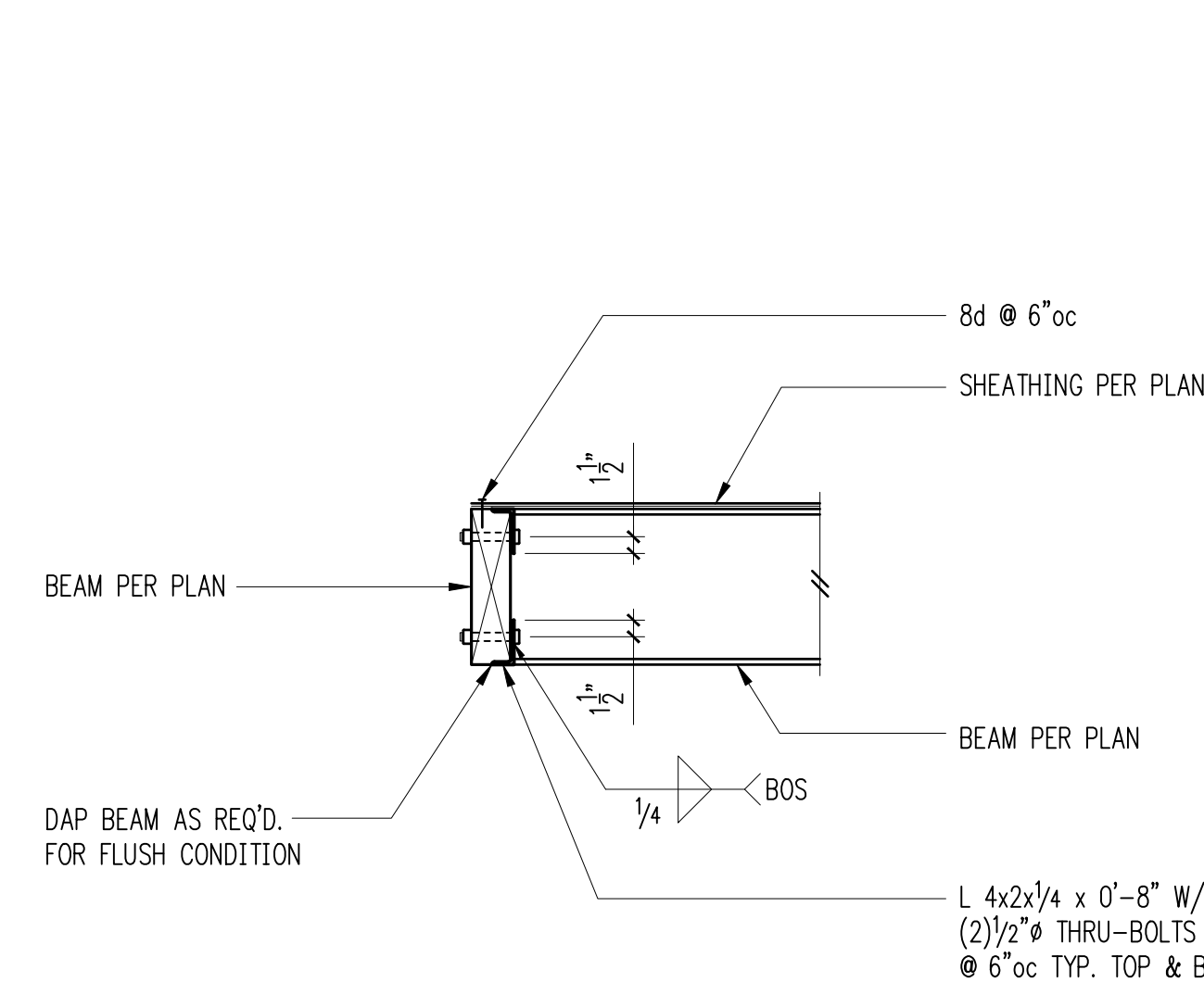


- NOTES:
- BEVEL 30°
 - LARGER OF BEAM FLANGE THICKNESS (t_{bf}) OR 1/2". (PLUS 1/2 t_{bf} OR MINUS 1/4 t_{bf})
 - LARGER OF 3/4 t_{bf} OR 3/4" MAXIMUM t_{bf} PLUS 1/4"
 - 1/2" MINIMUM RADIUS PLUS UNLIMITED
 - 3 t_{bf} (± 1/2")
 - SURFACES SHALL BE FREE OF NOTCHES AND SHALL HAVE A SURFACE ROUGHNESS OF NOT MORE THAN 500 μ-in.
 - TOLERANCES SHALL NOT ACCUMULATE TO THE EXTENT THAT THE ANGLE OF THE ACCESS HOLE CUT TO THE FLANGE SURFACE EXCEEDS 25°

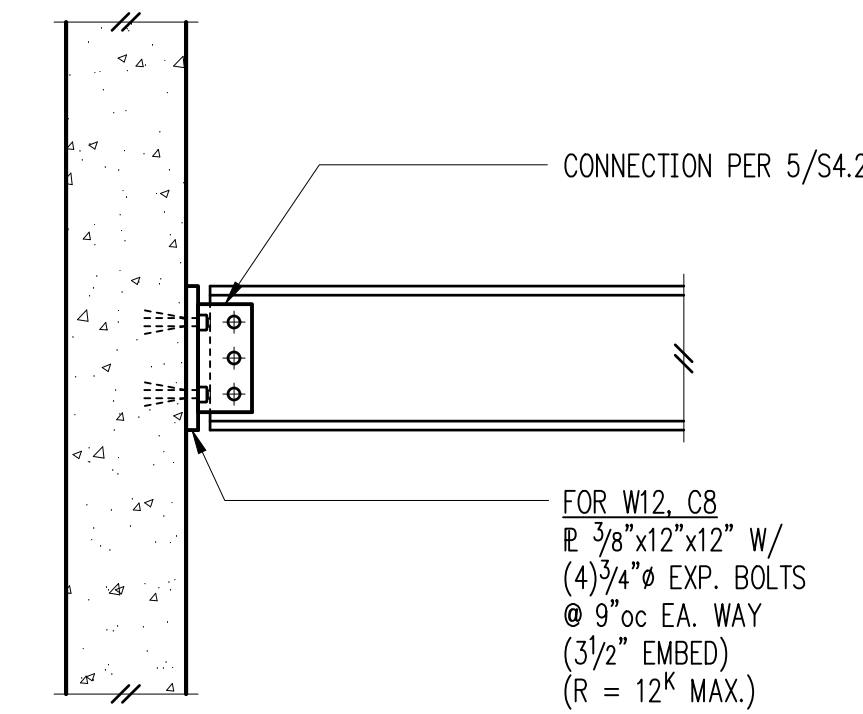
Moment Frame Access Hole 12



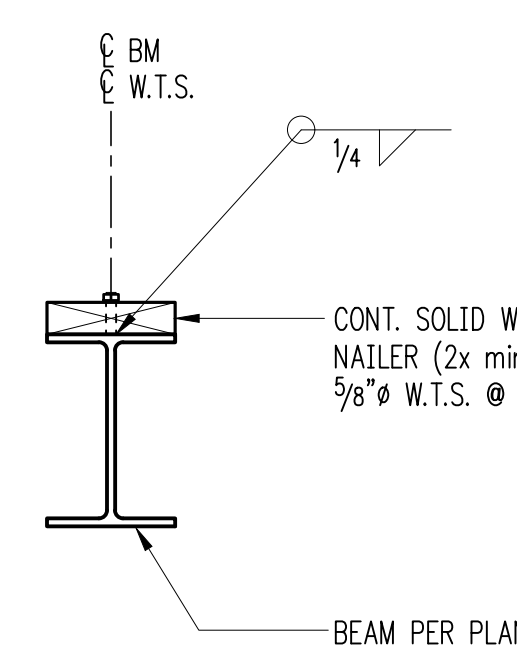
Joists Hung from Steel Beam 3



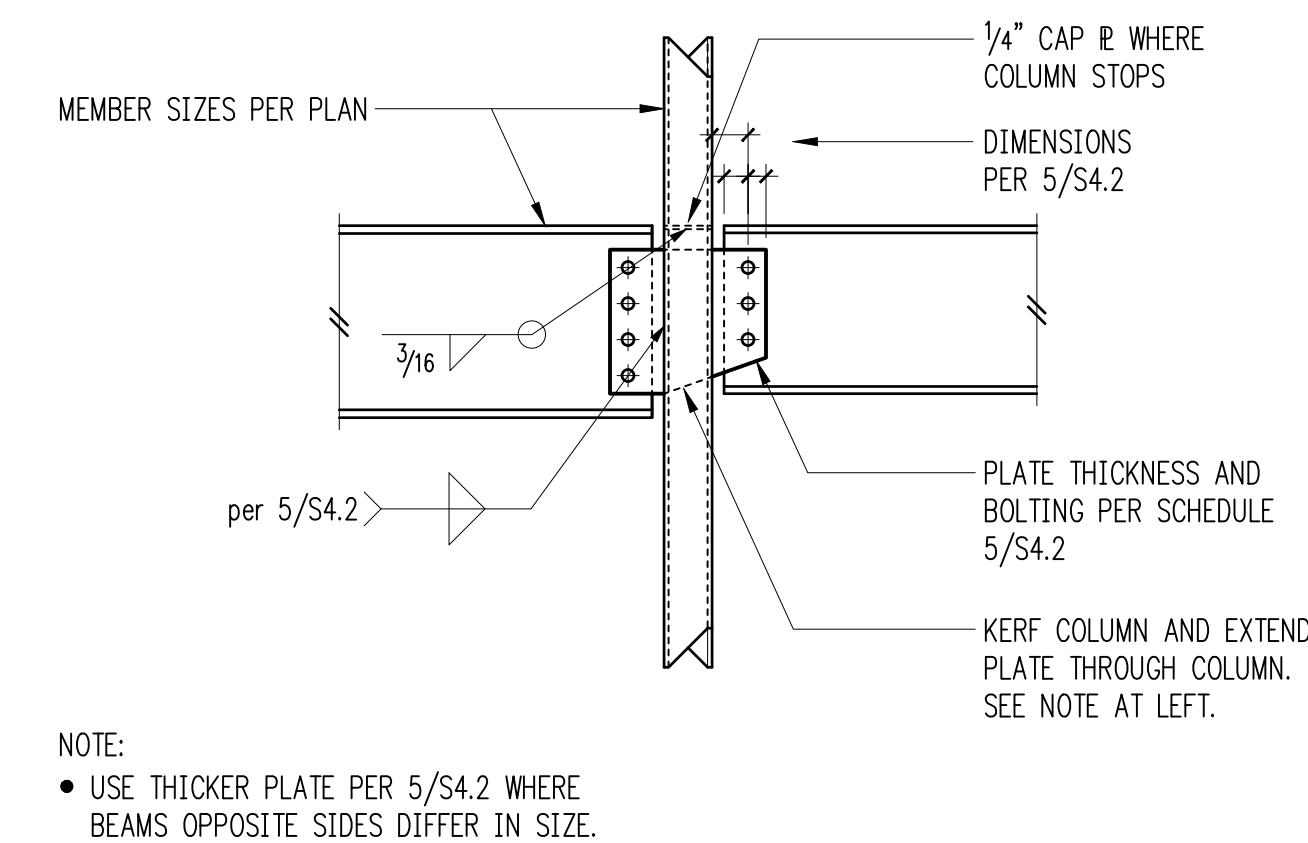
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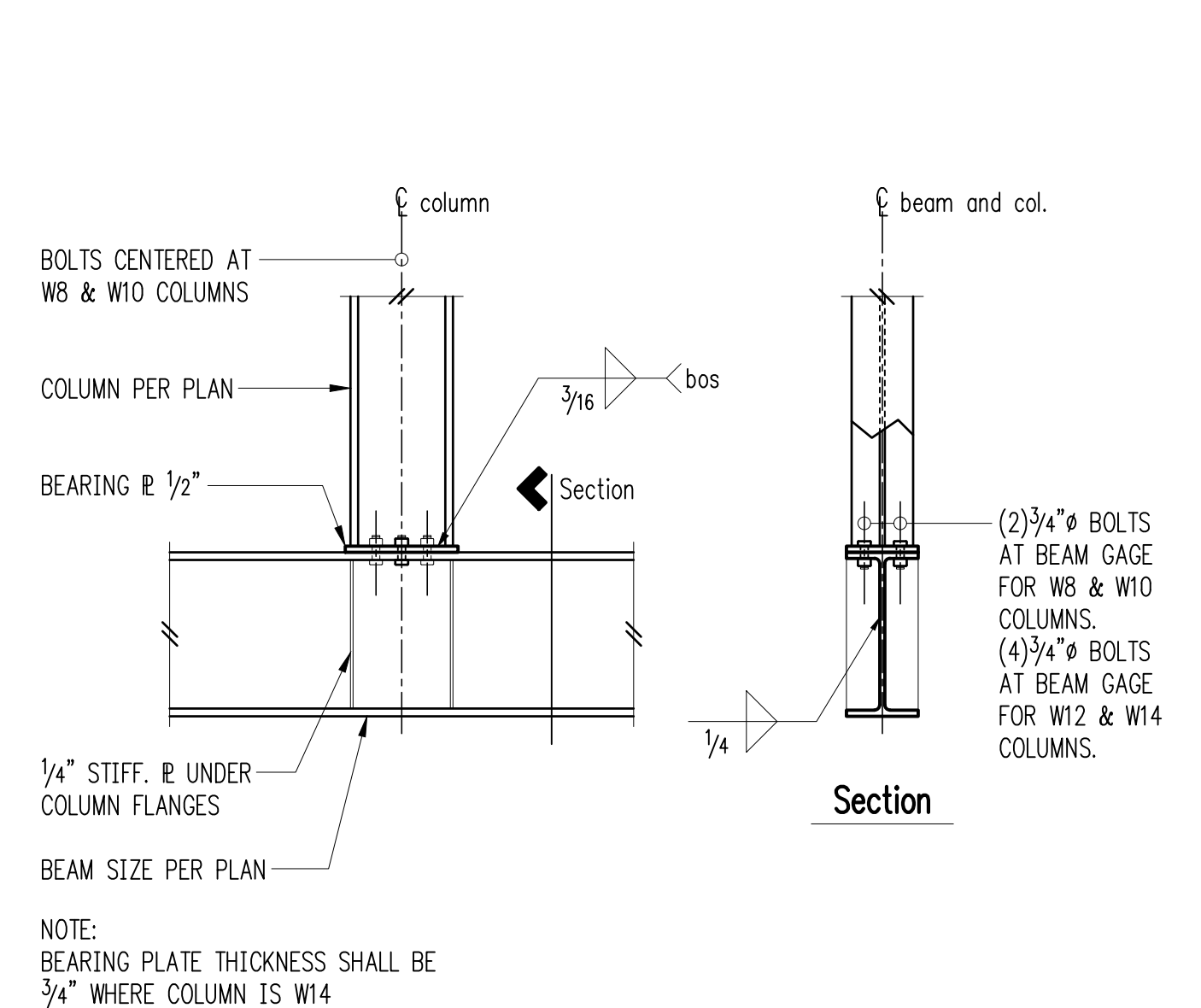
Expansion Bolt Faceplates 9



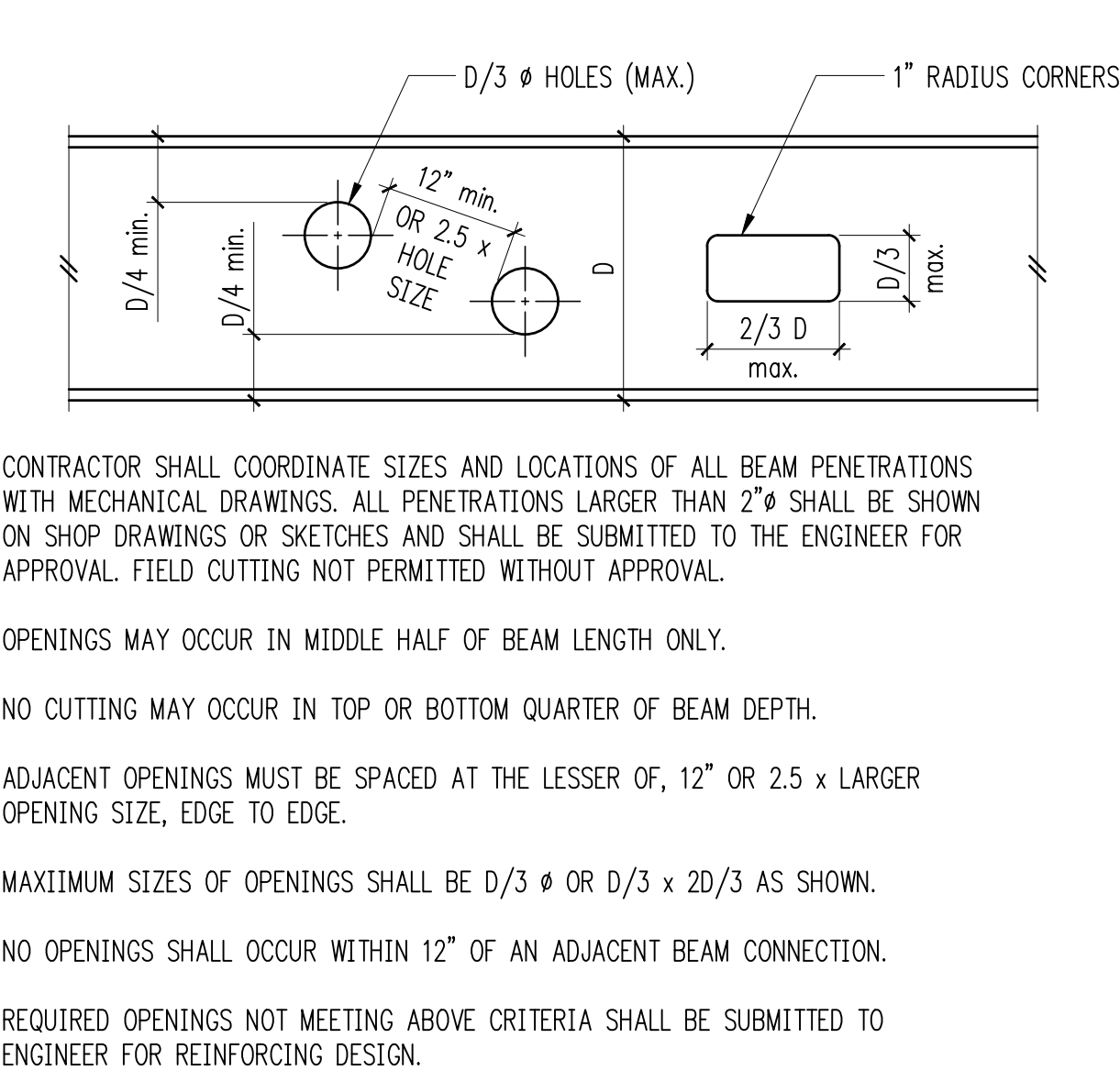
Typical Wood Nailer Conn. to Steel Beam 13



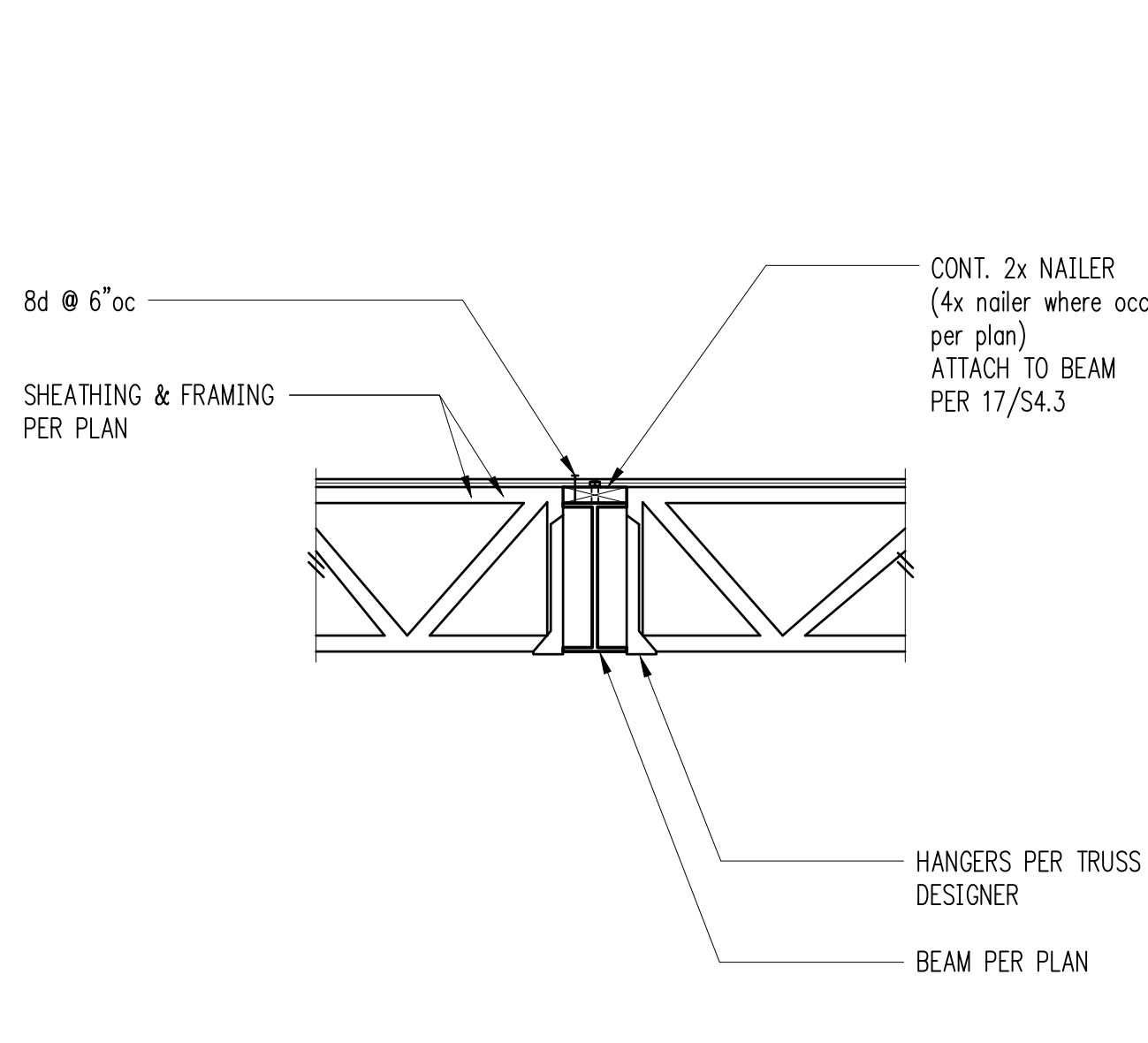
Beam to Continuous HSS Column - Interior 14



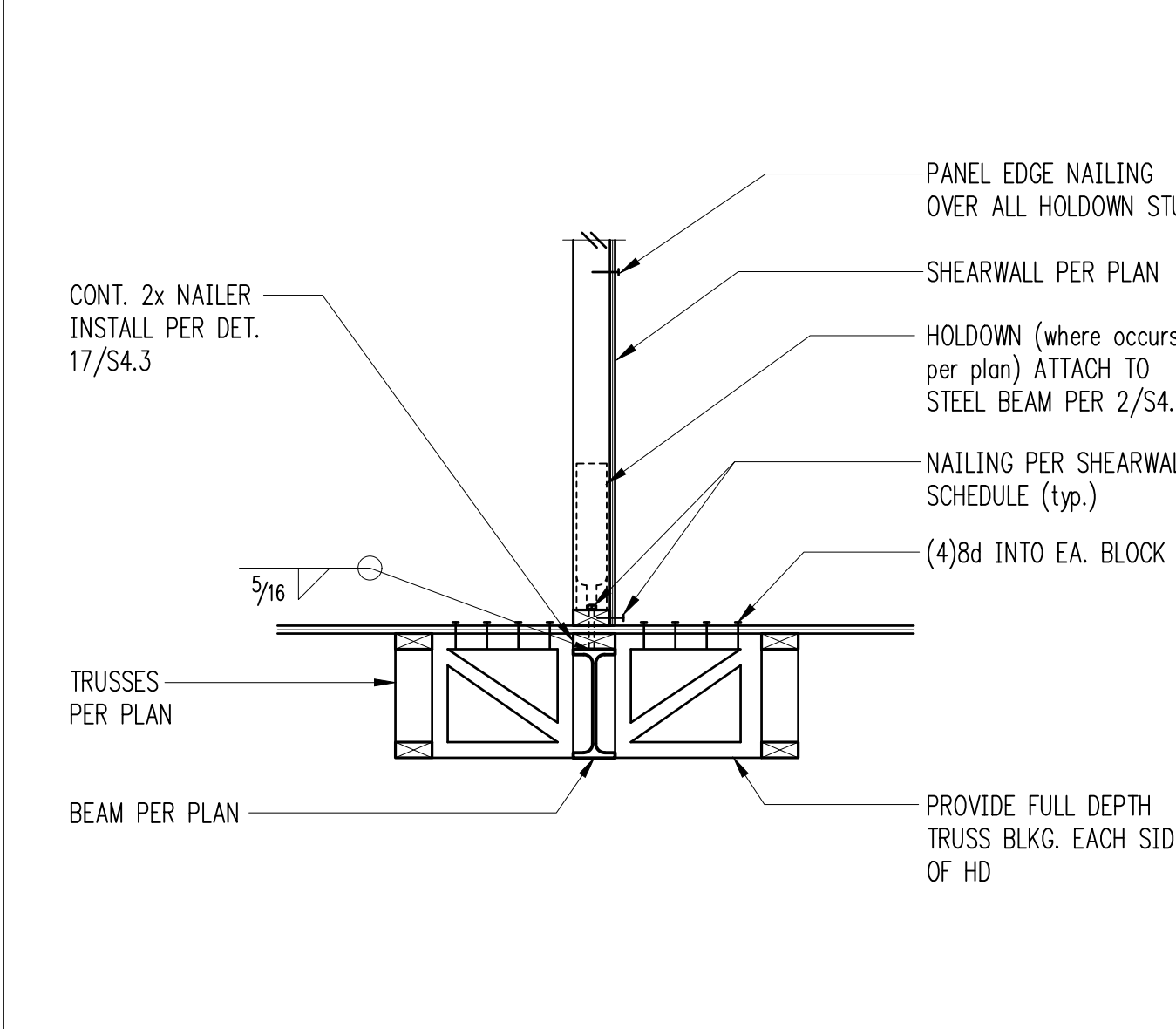
Beam Supporting WF Column 16



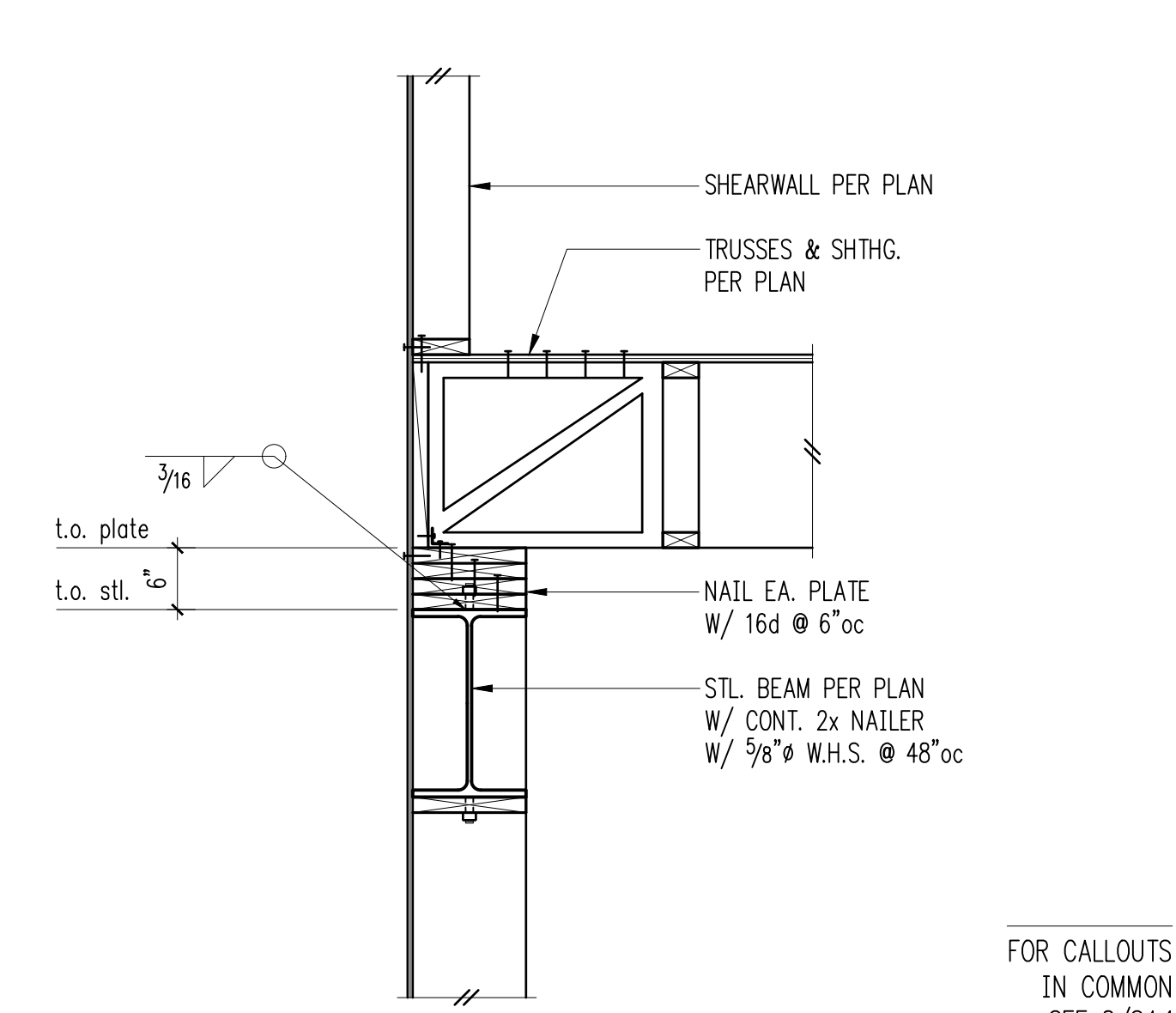
Steel Beam Penetrations 17



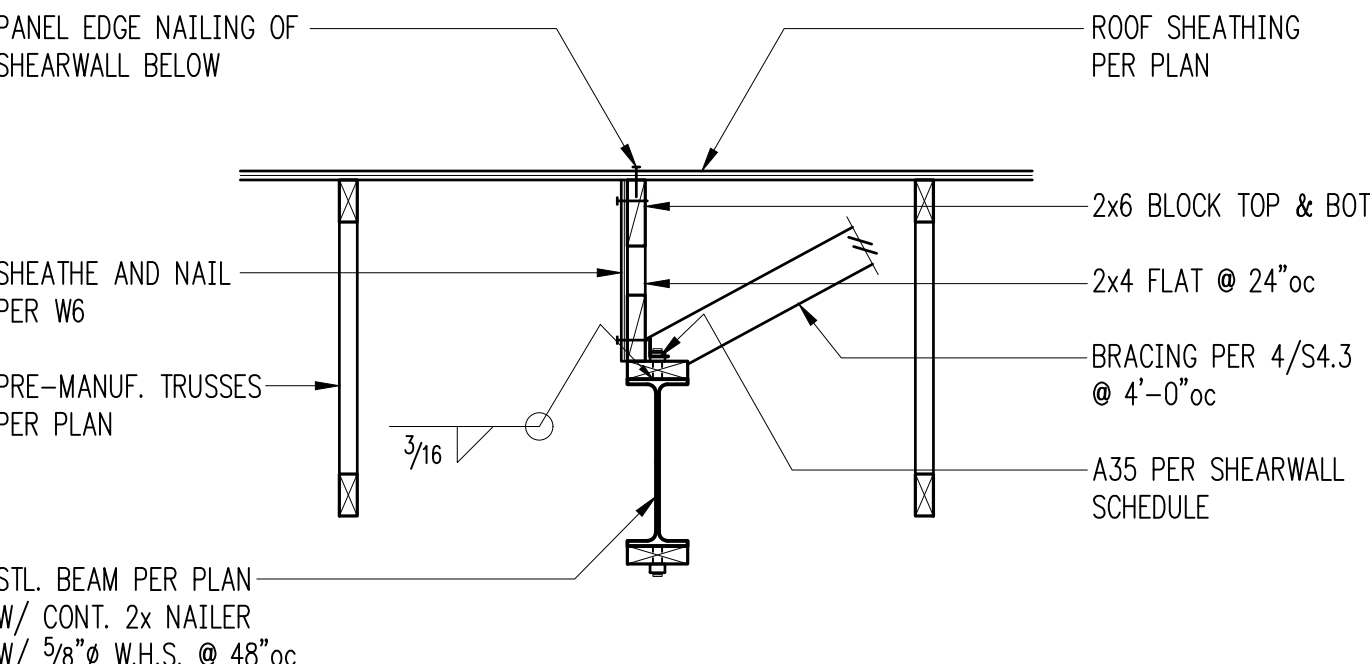
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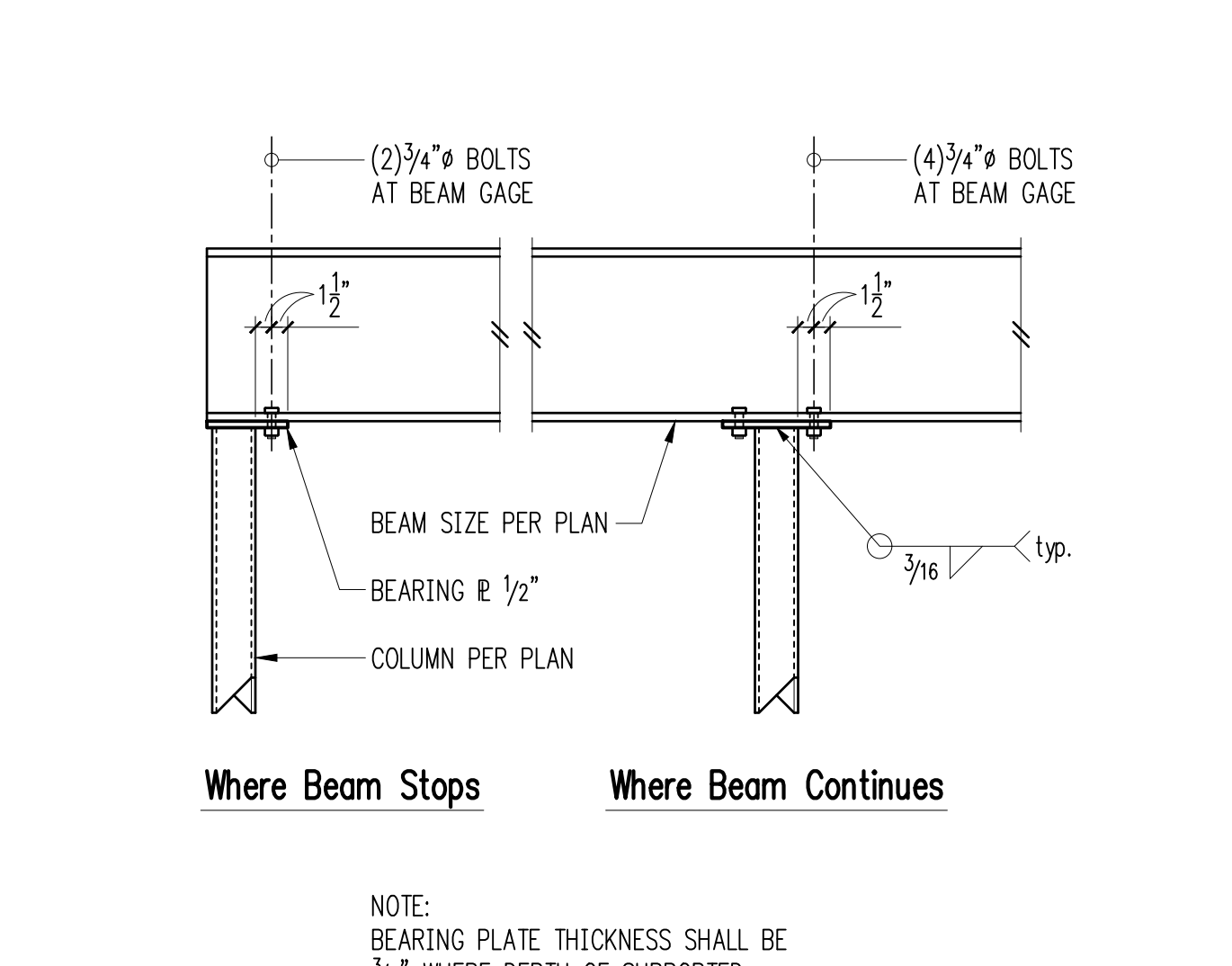
Holddown at Floor Beam (w/TJI) 19



20



Typical Beam Bearing on HSS or Pipe Column 10

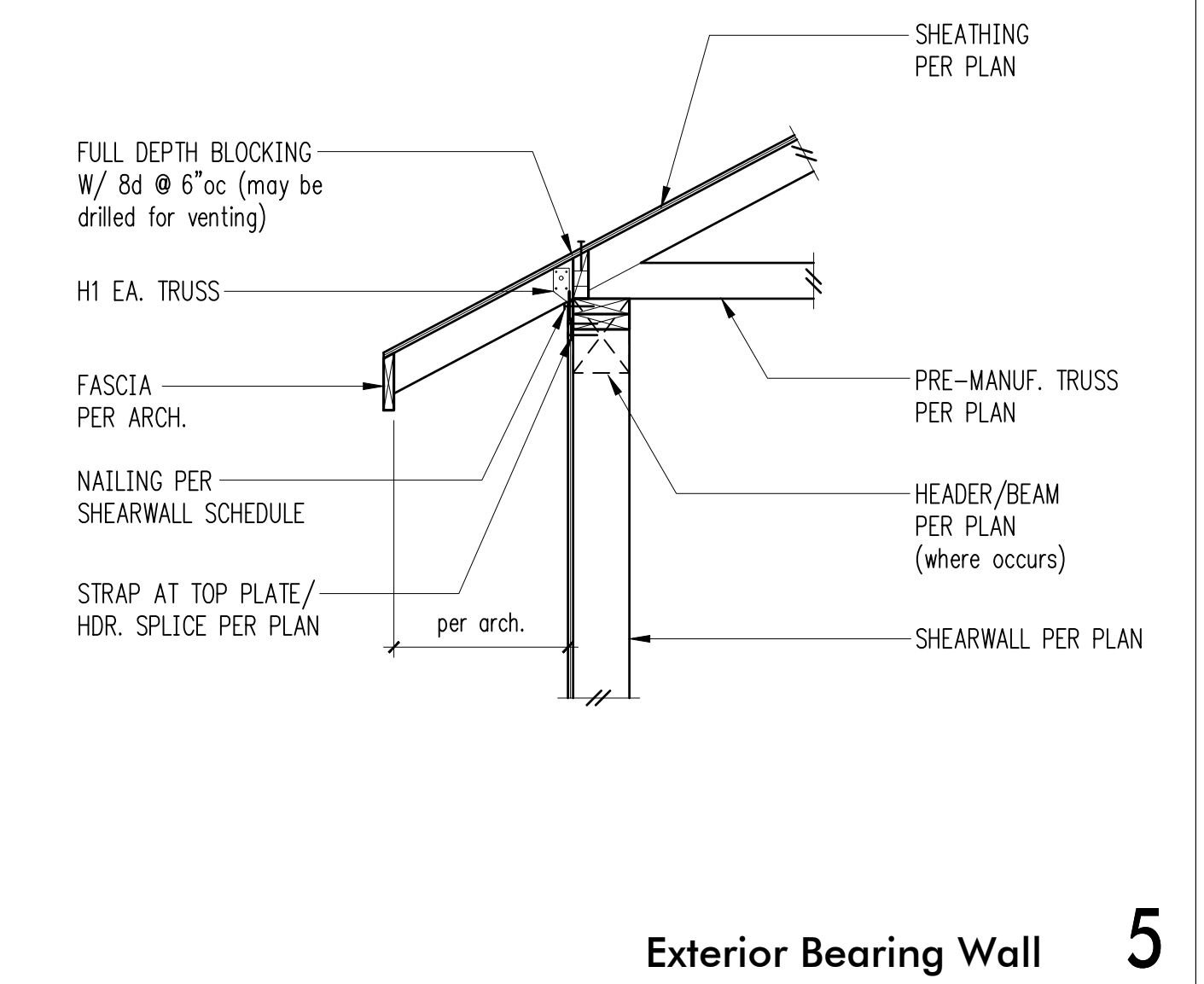


Typical Single Shear Plate Connection and Schedule 5

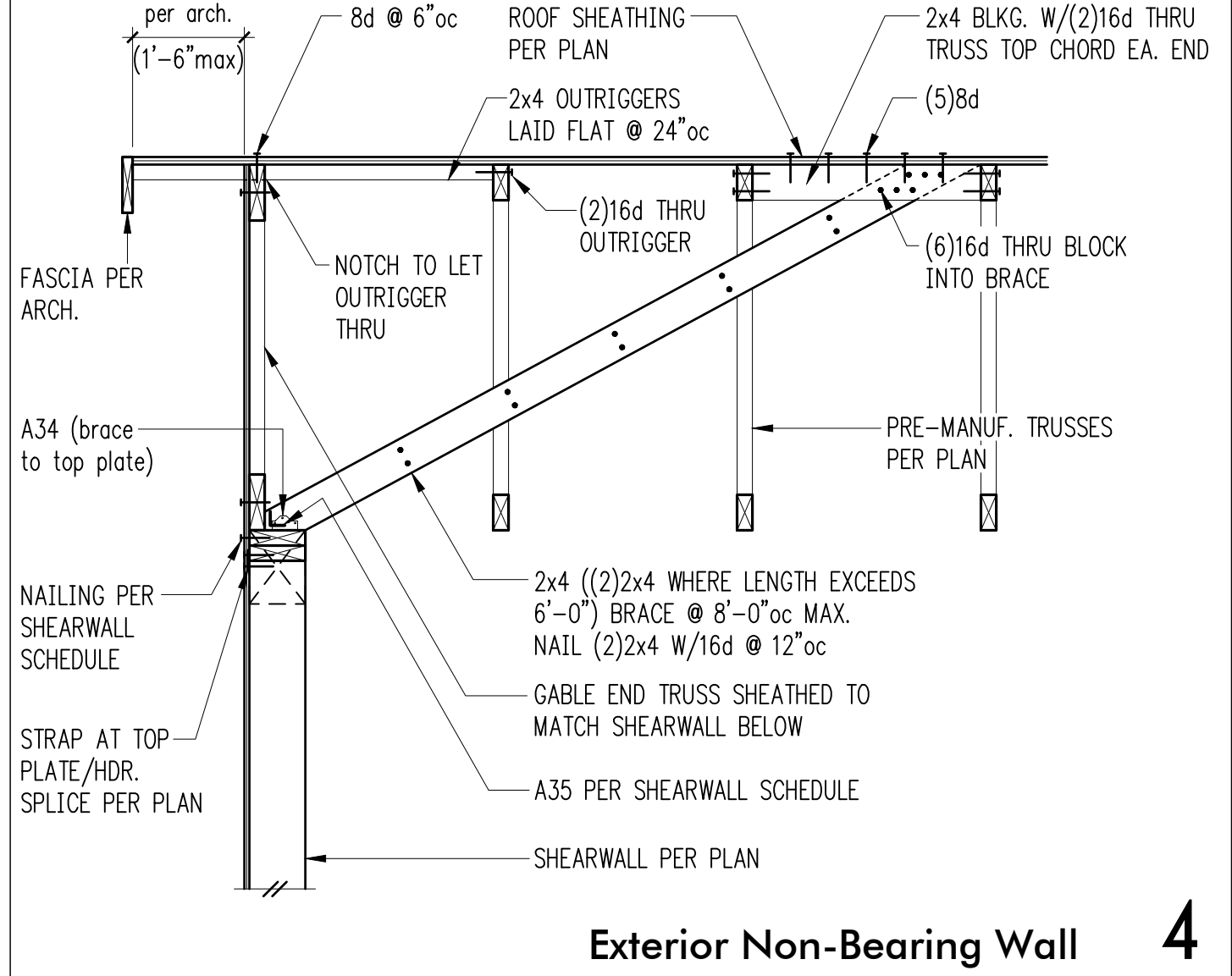
Shear Plate Schedule

Beam Size	No. of Bolts	Bolt Size	Plate Thickness	Weld Size
C6, W6, MC7	2	3/8" Ø @ 2" SPACING	1/4"	3/16"
MC8, MC9, MC10 C7, C8, C9, C10, W8, W10	2	3/8" Ø	1/4"	3/16"
C12, C15, MC12, W12, W14	3	3/4" Ø	1/4"	3/16"
W16	4	3/4" Ø	1/4"	3/16"
W18	4	3/4" Ø	5/16"	1/4"
W21	4	7/8" Ø	3/8"	5/16"
W24	5	7/8" Ø	3/8"	5/16"
W27	6	7/8" Ø	3/8"	5/16"
W30	7	7/8" Ø	3/8"	5/16"

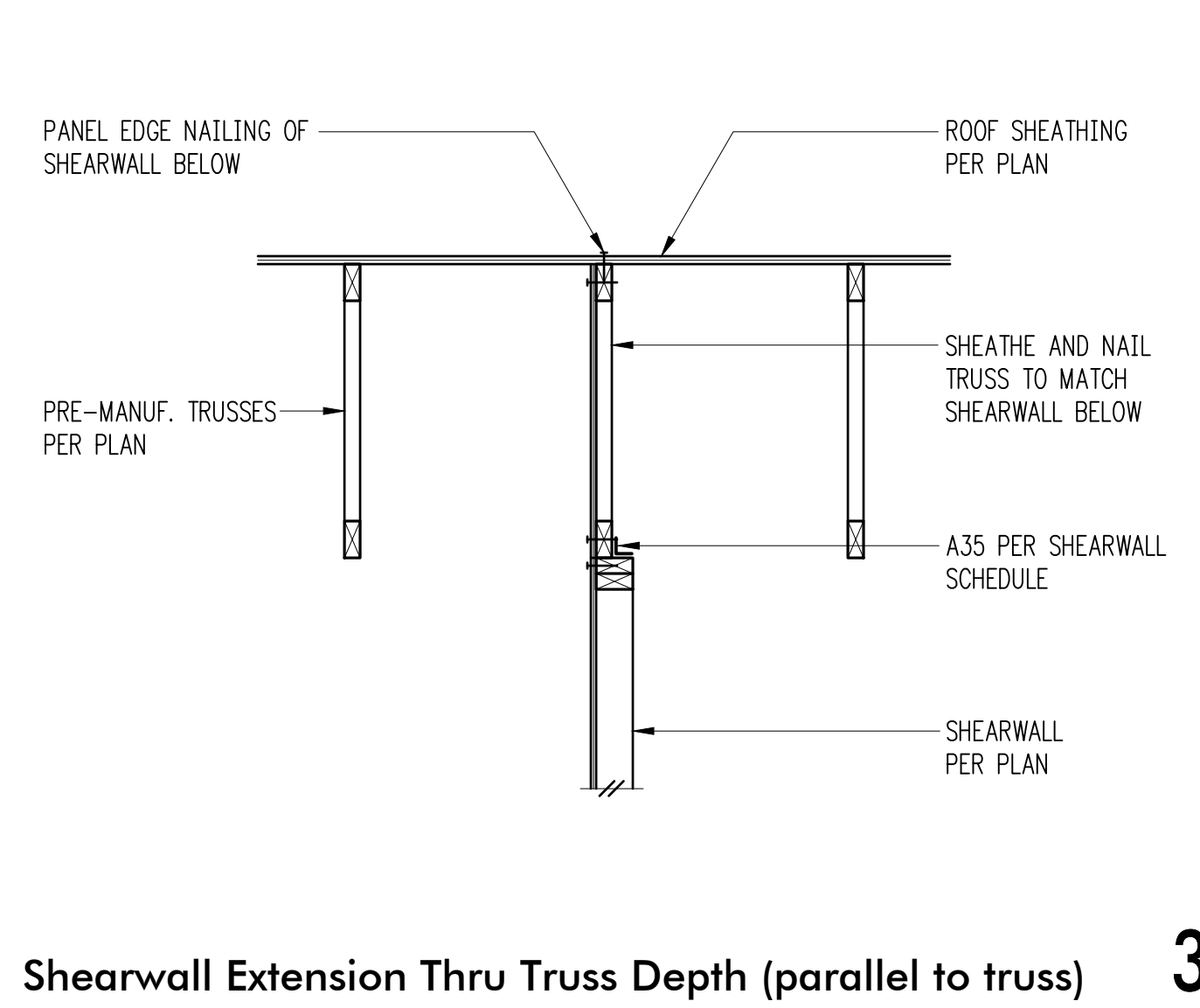
- NOTES:
- STANDARD OR SLOTTED HOLES MAY BE USED.
 - BOLT TYPE A325M.
 - PLATE MATERIAL - A36
 - SEE EXTENDED DETAIL FOR COLUMN WEB CONNECTIONS.



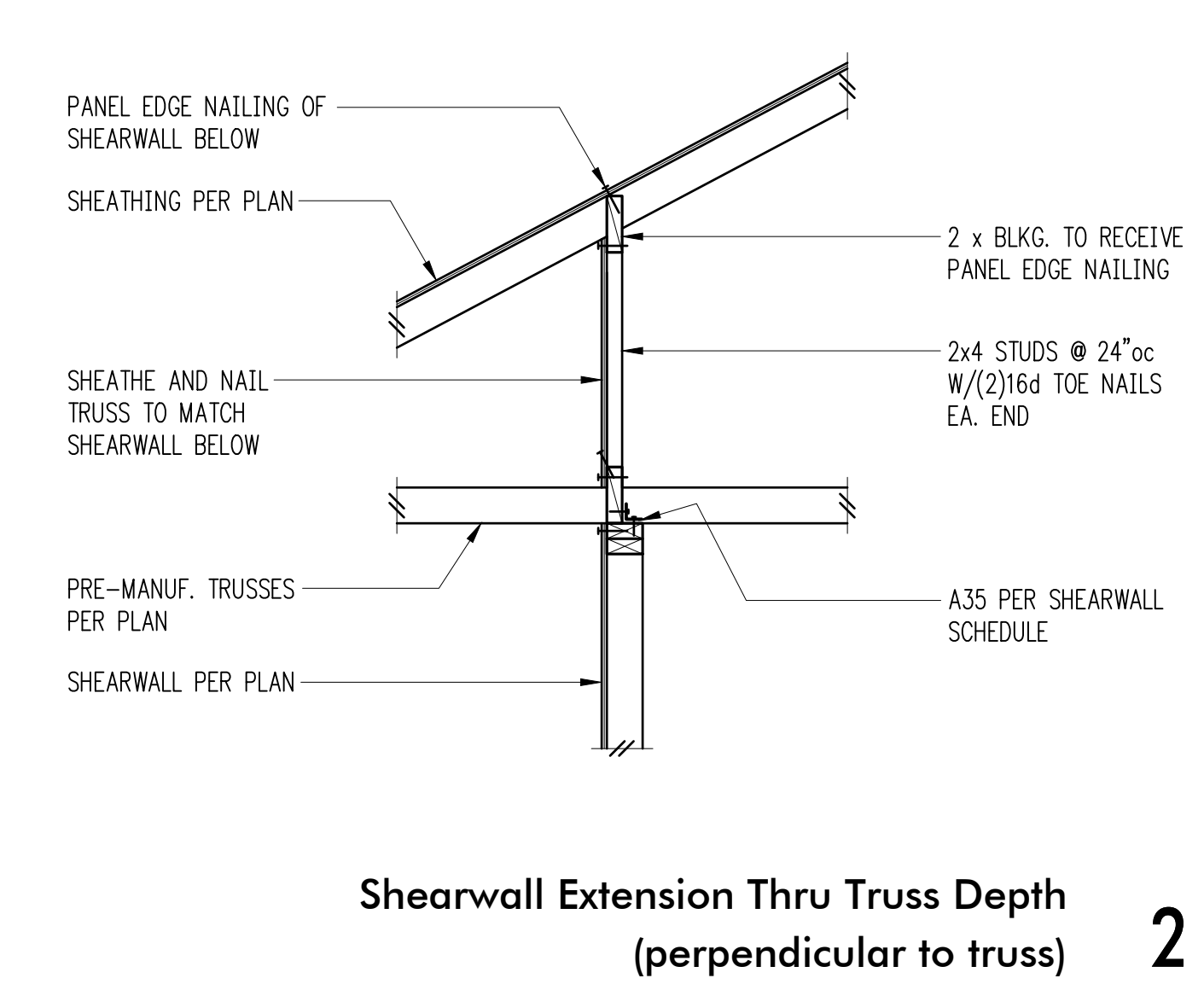
Exterior Bearing Wall 5



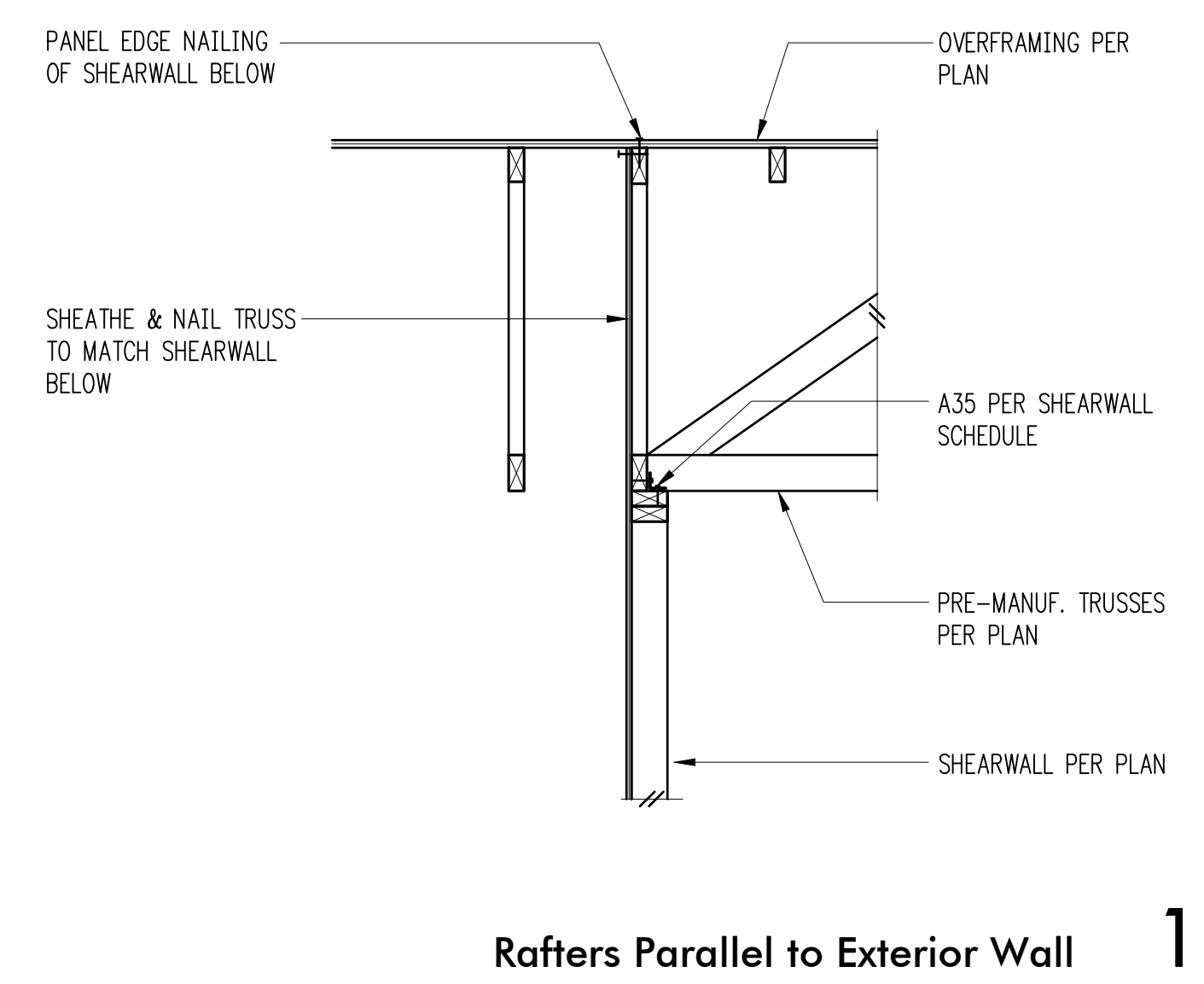
Exterior Non-Bearing Wall 4



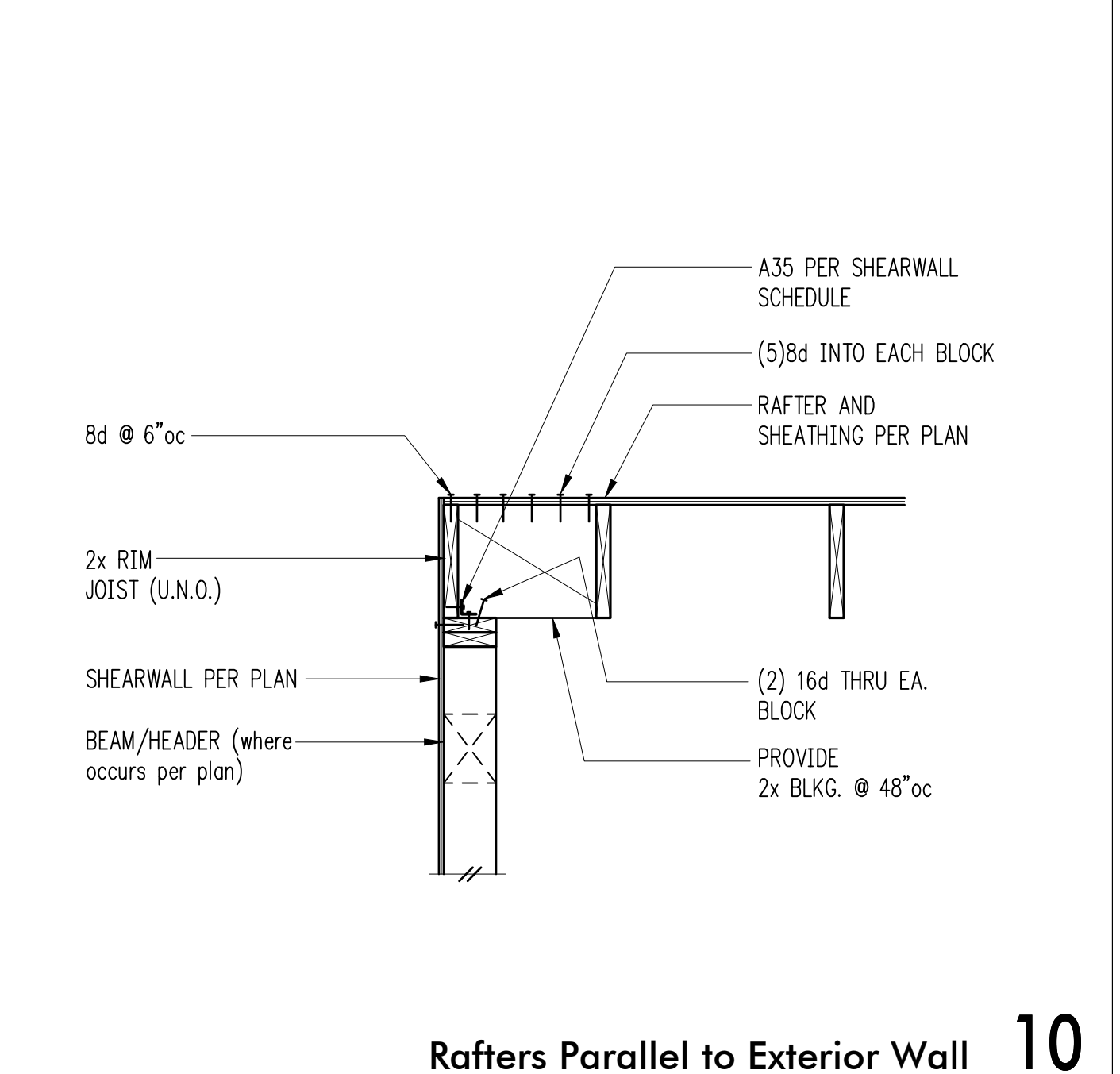
Shearwall Extension Thru Truss Depth (parallel to truss) 3



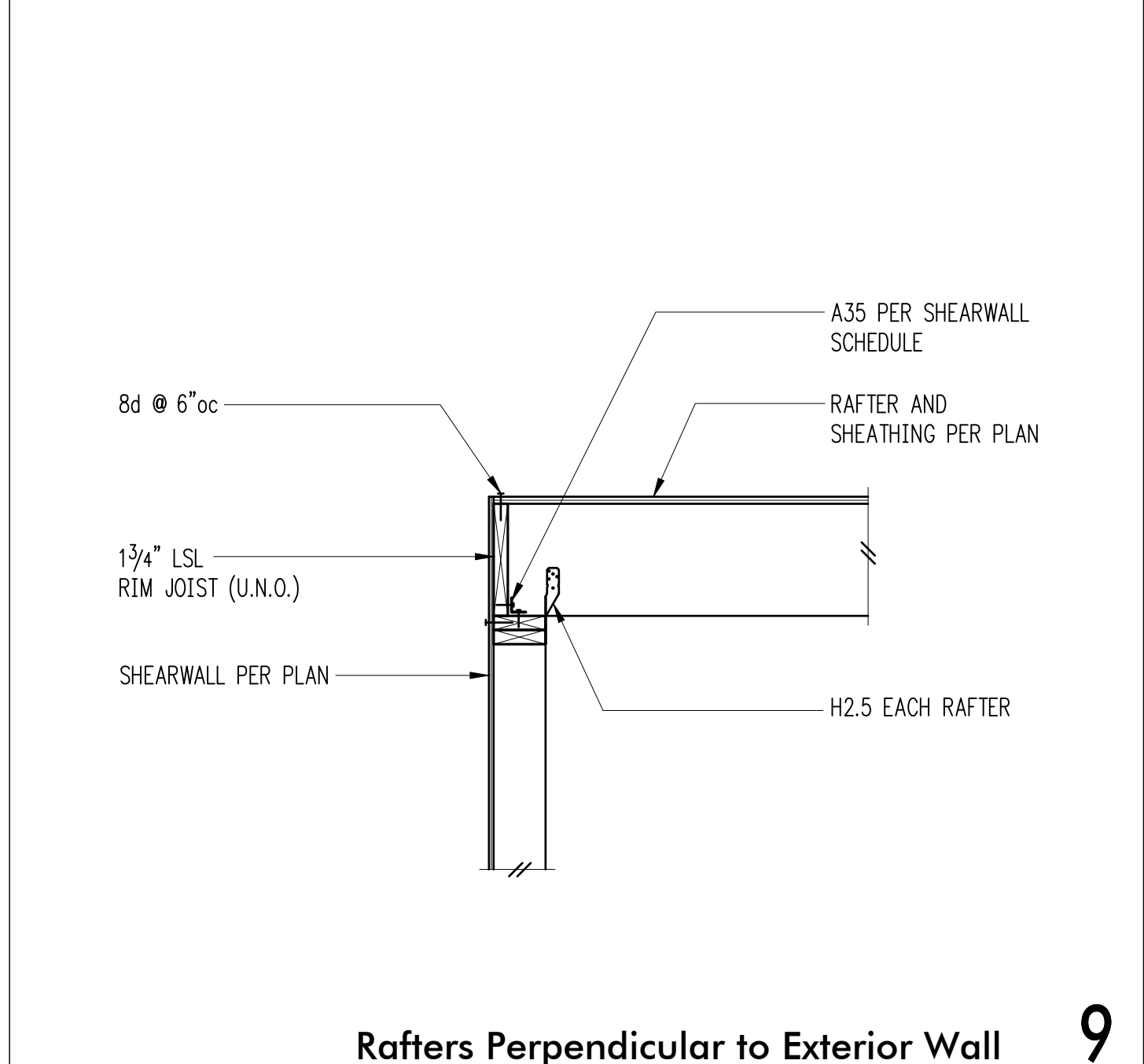
Shearwall Extension Thru Truss Depth (perpendicular to truss) 2



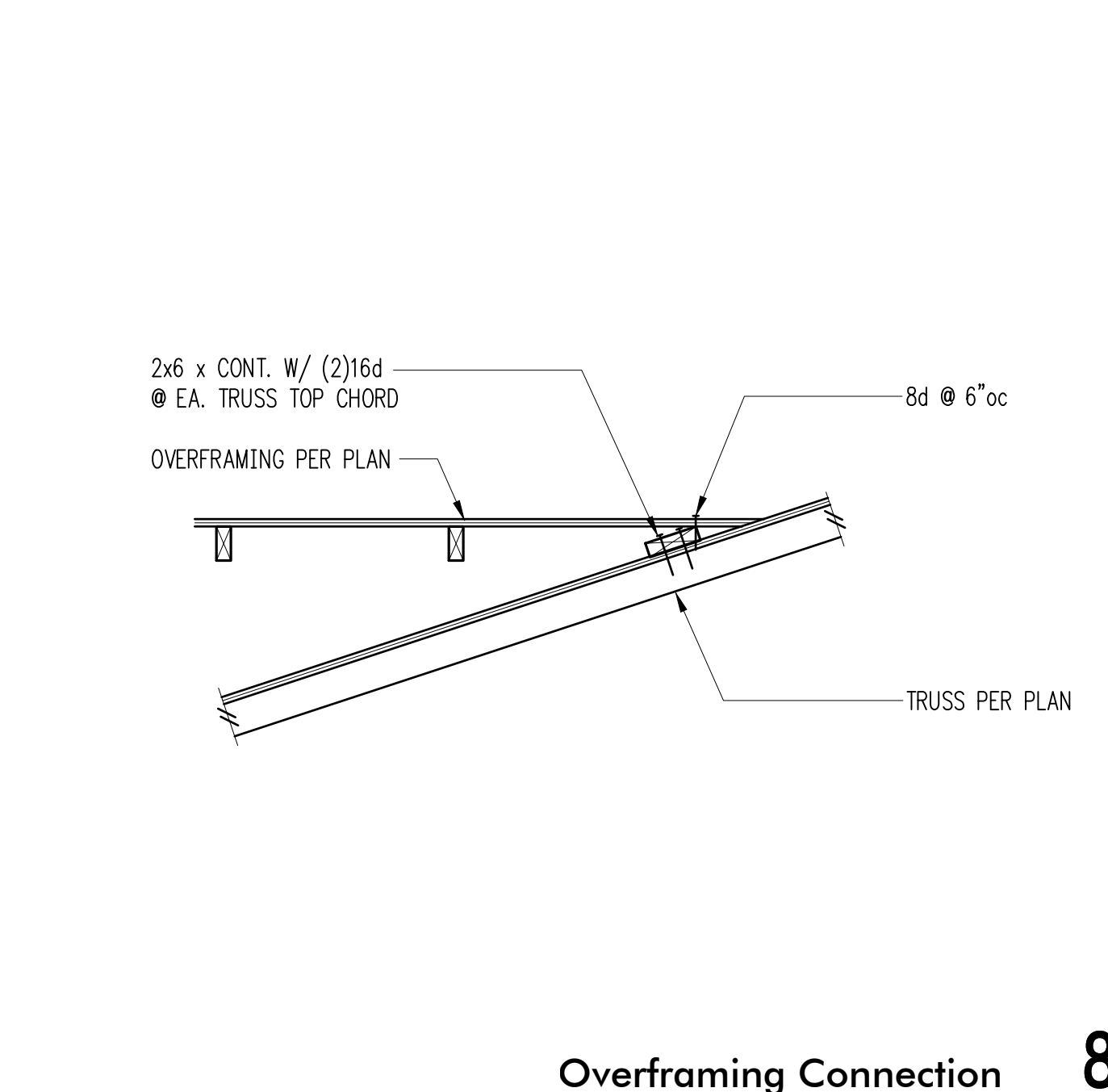
Rafters Parallel to Exterior Wall 1



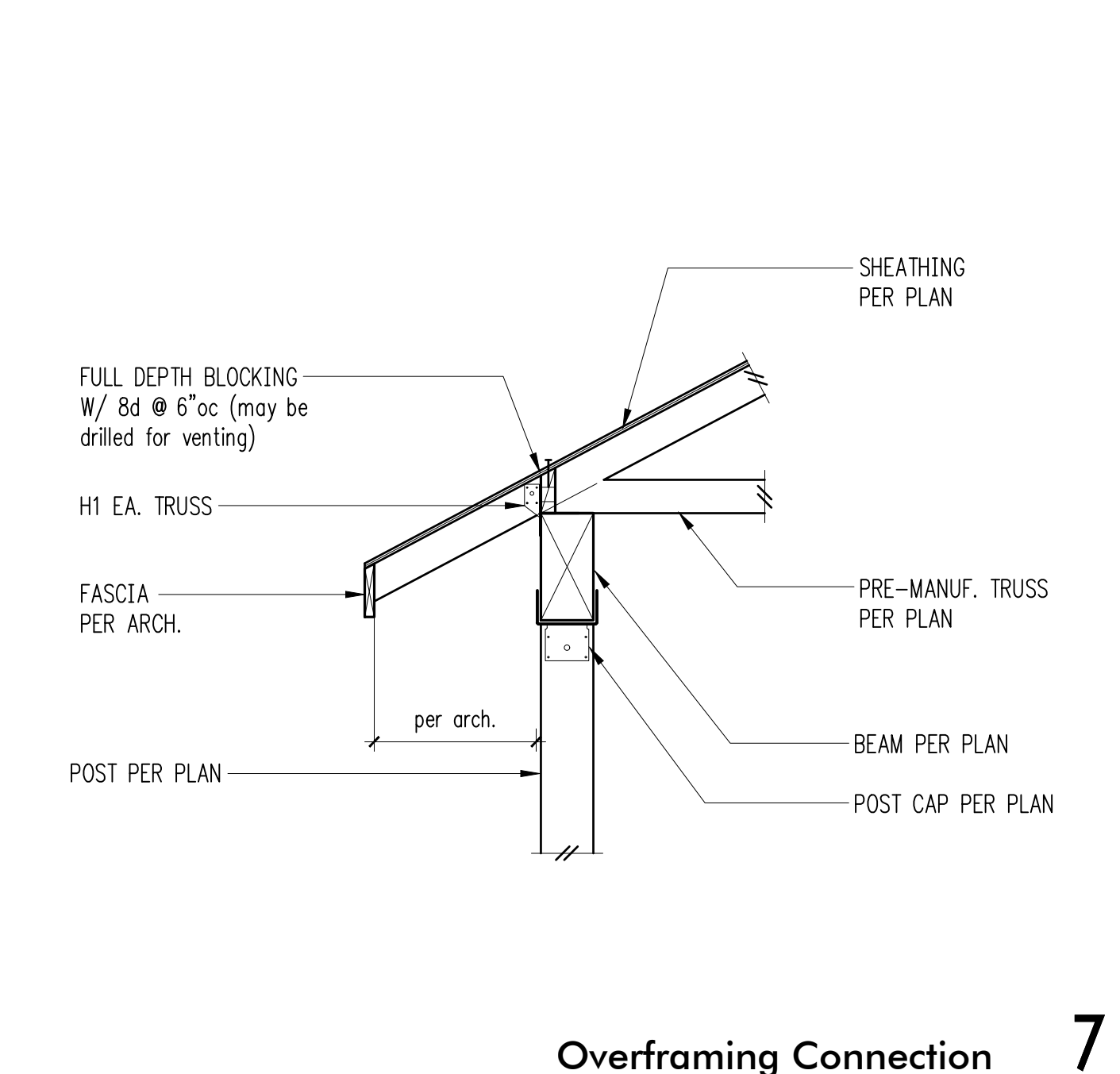
Rafters Parallel to Exterior Wall 10



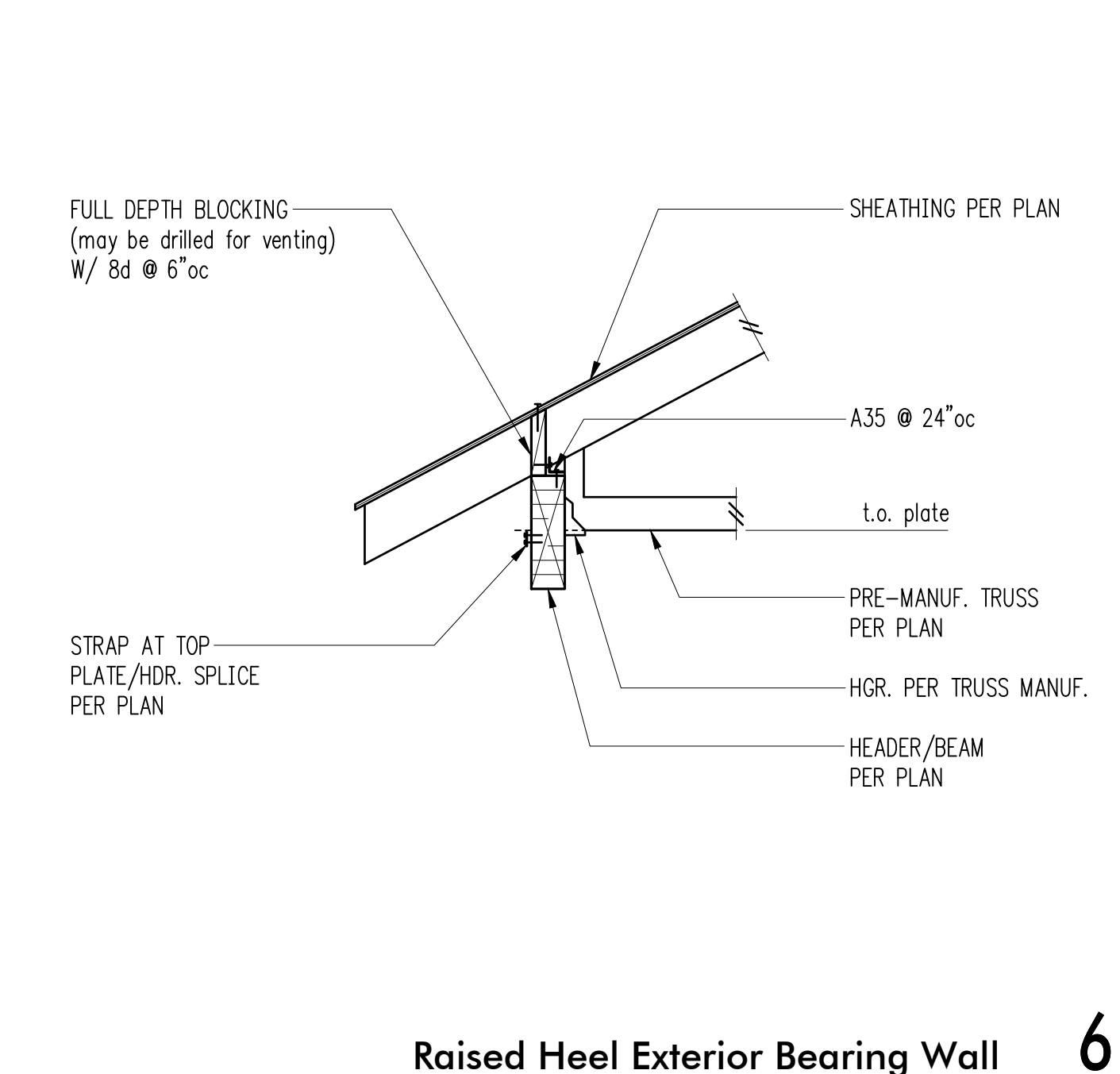
Rafters Perpendicular to Exterior Wall 9



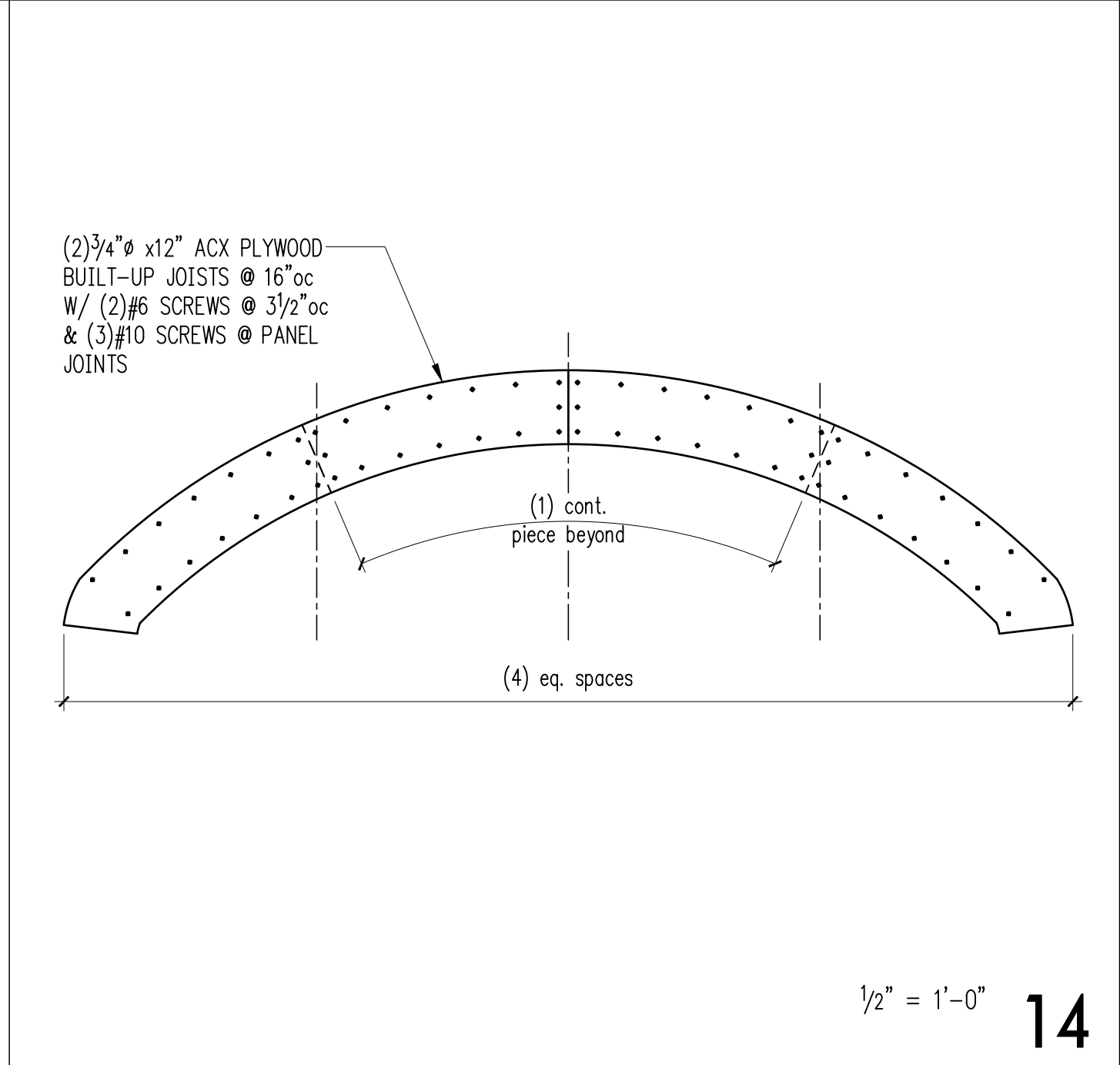
Overframing Connection 8



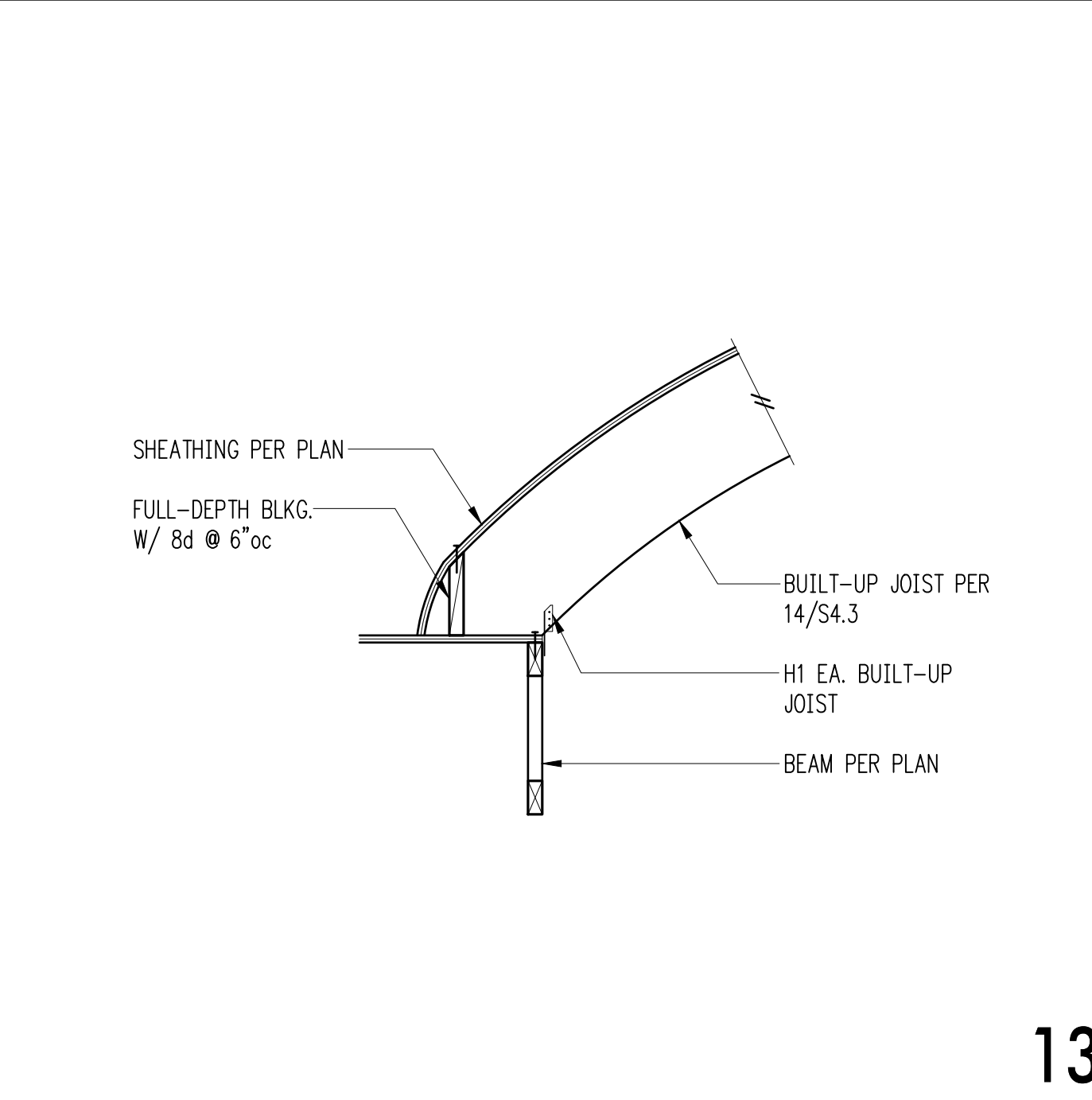
Overframing Connection 7



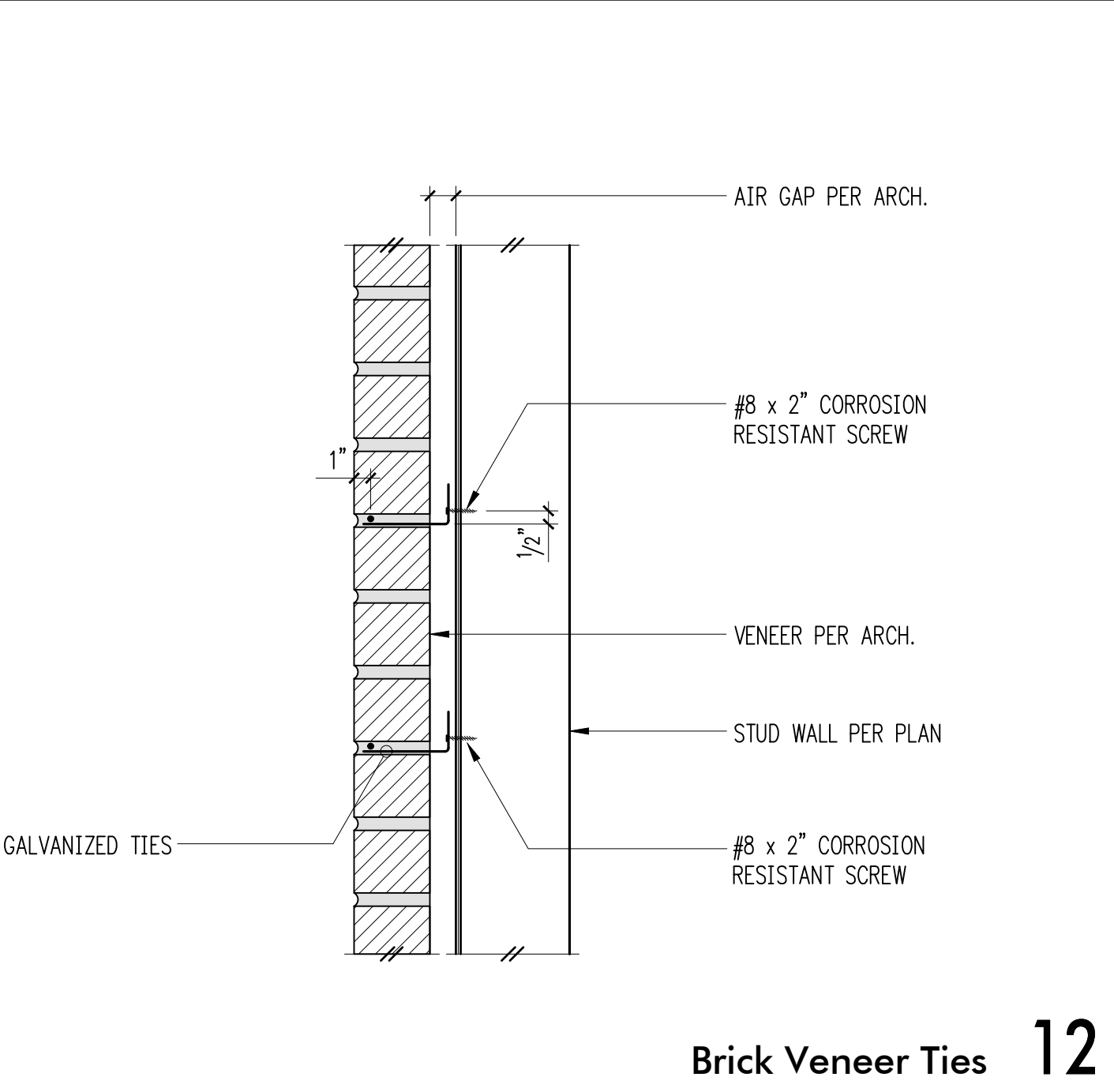
Raised Heel Exterior Bearing Wall 6



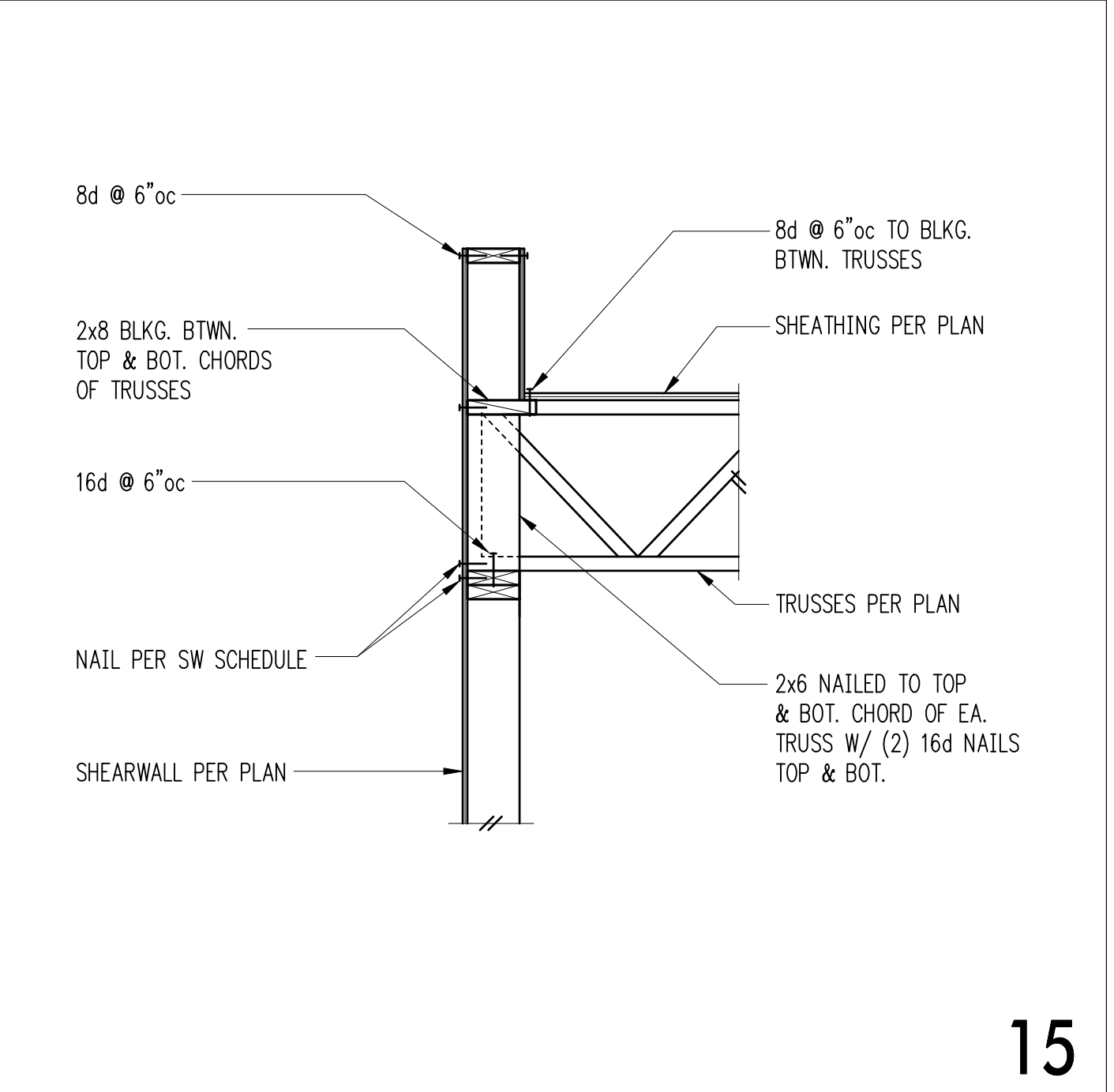
1/2" = 1'-0" 14



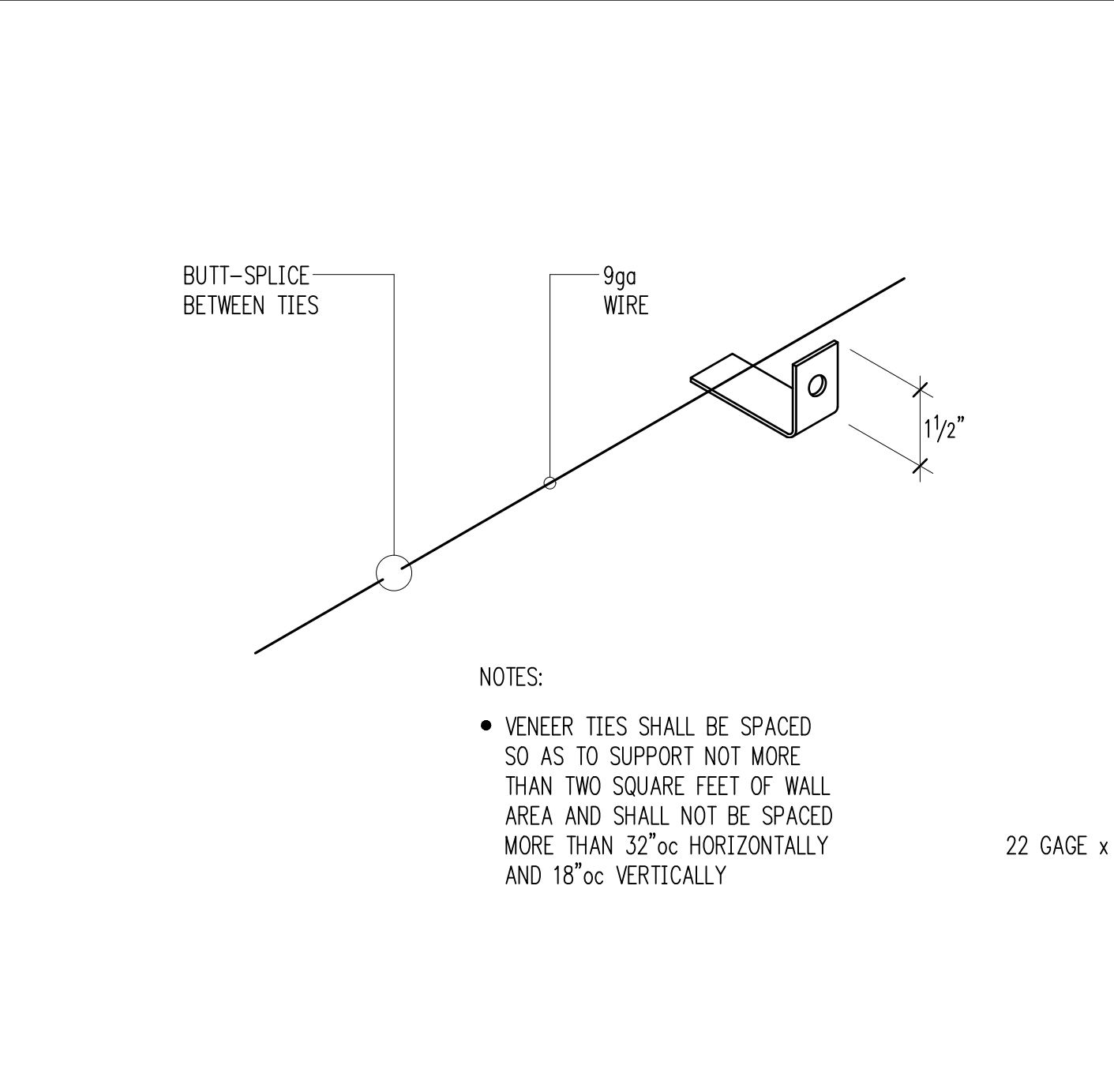
13



Brick Veneer Ties 12

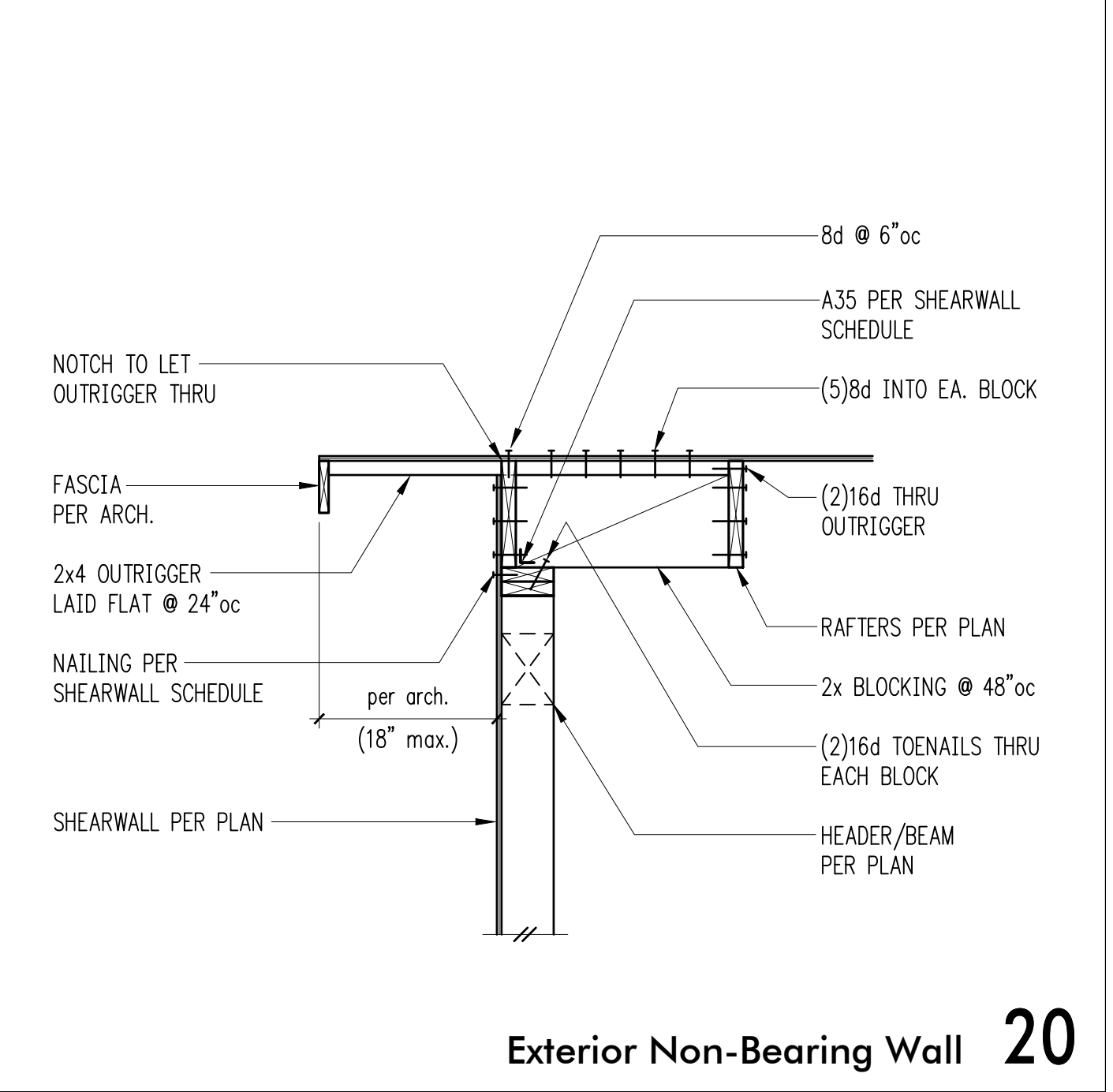


15

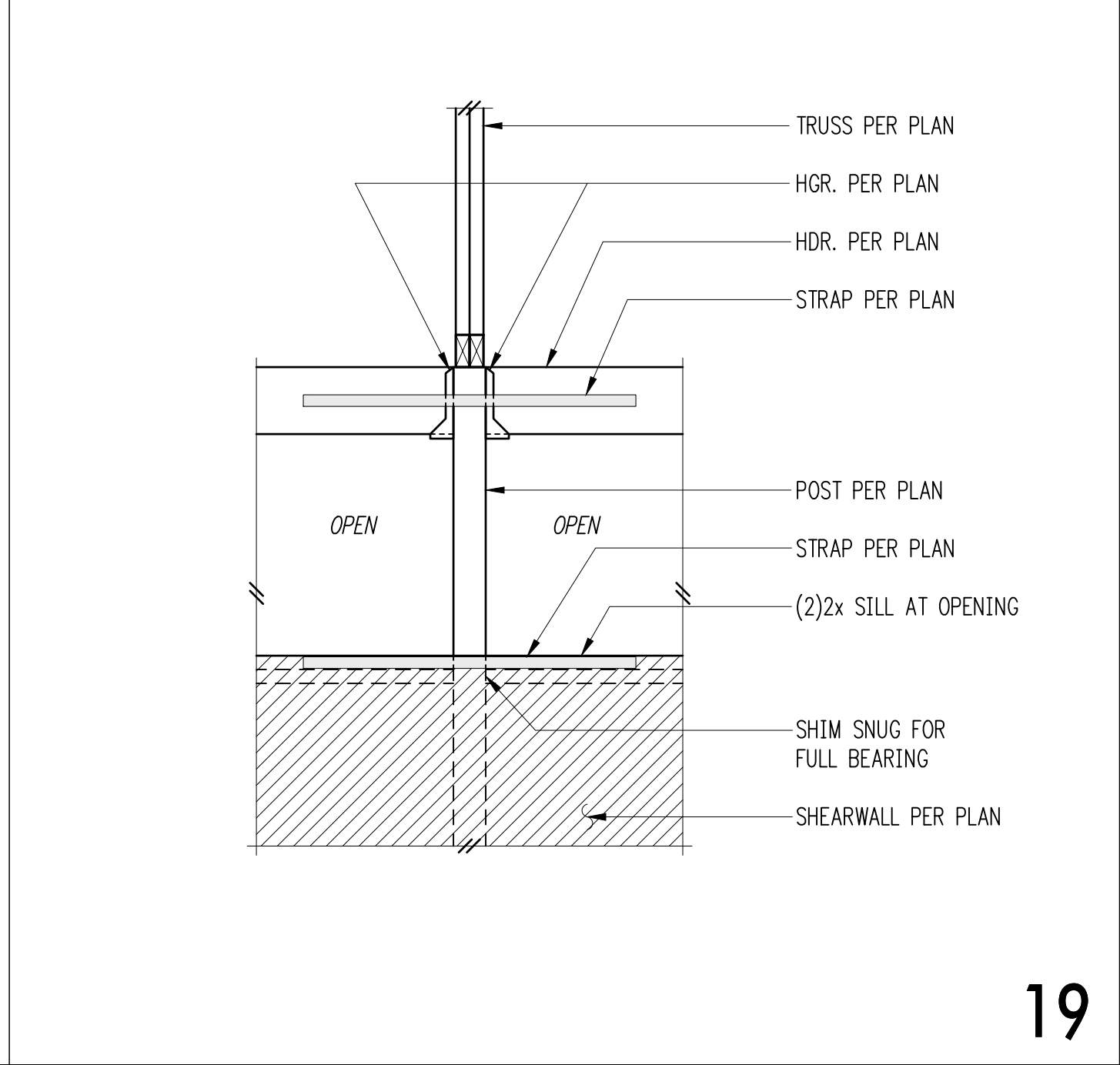


NOTES:
• VENEER TIES SHALL BE SPACED SO AS TO SUPPORT NOT MORE THAN TWO SQUARE FEET OF WALL AREA AND SHALL NOT BE SPACED MORE THAN 32"oc HORIZONTALLY AND 18"oc VERTICALLY

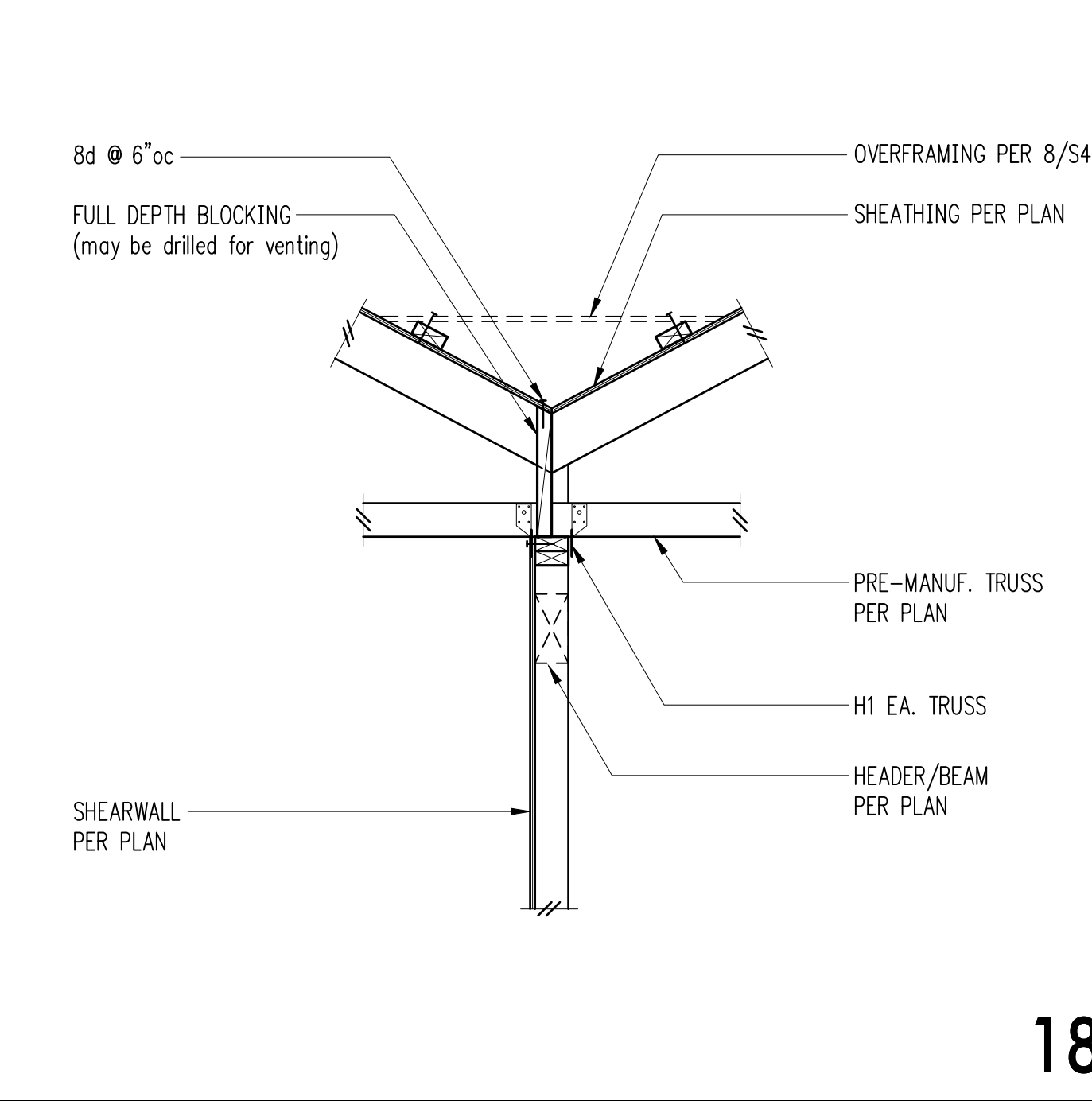
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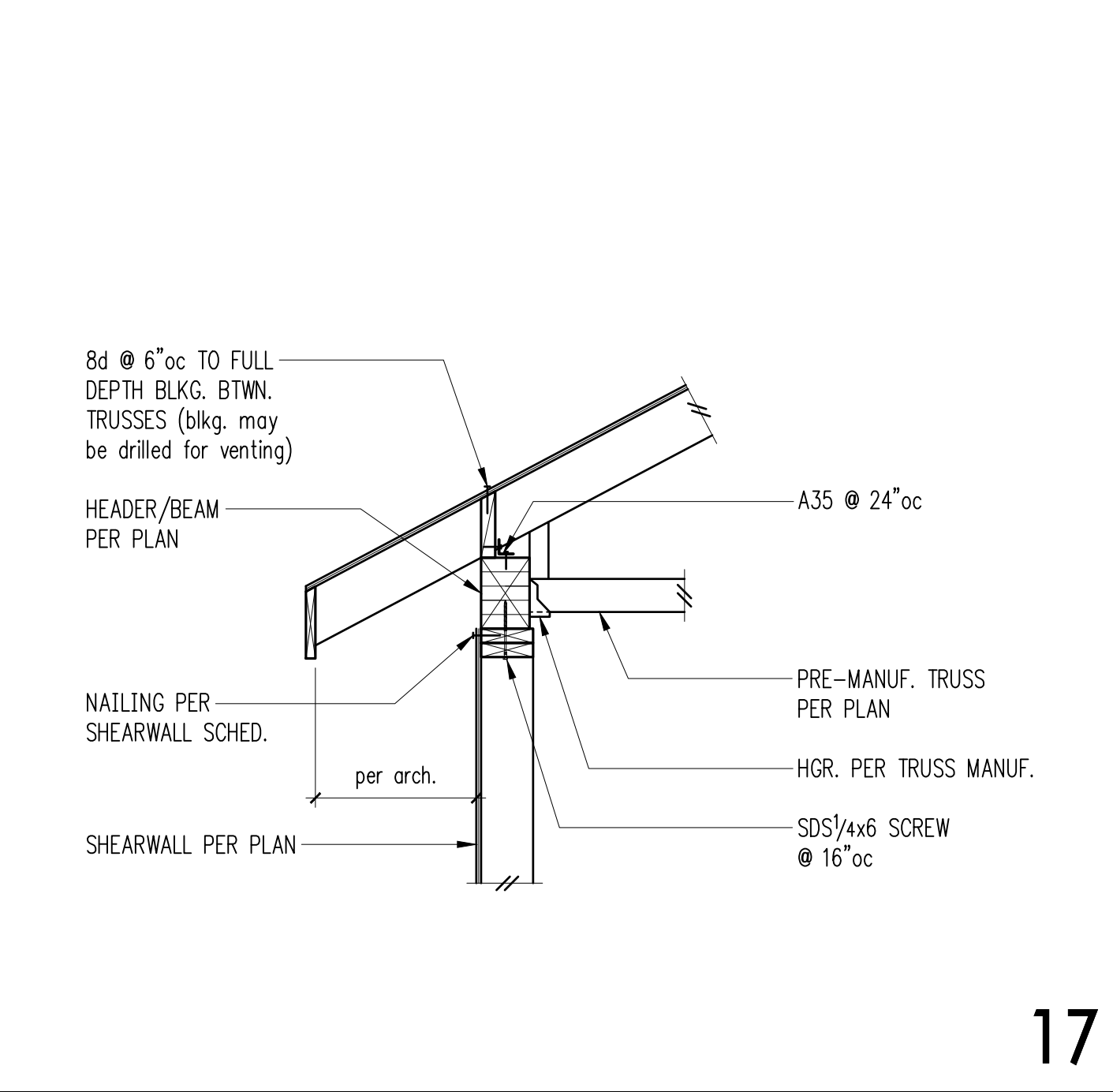
Exterior Non-Bearing Wall 20



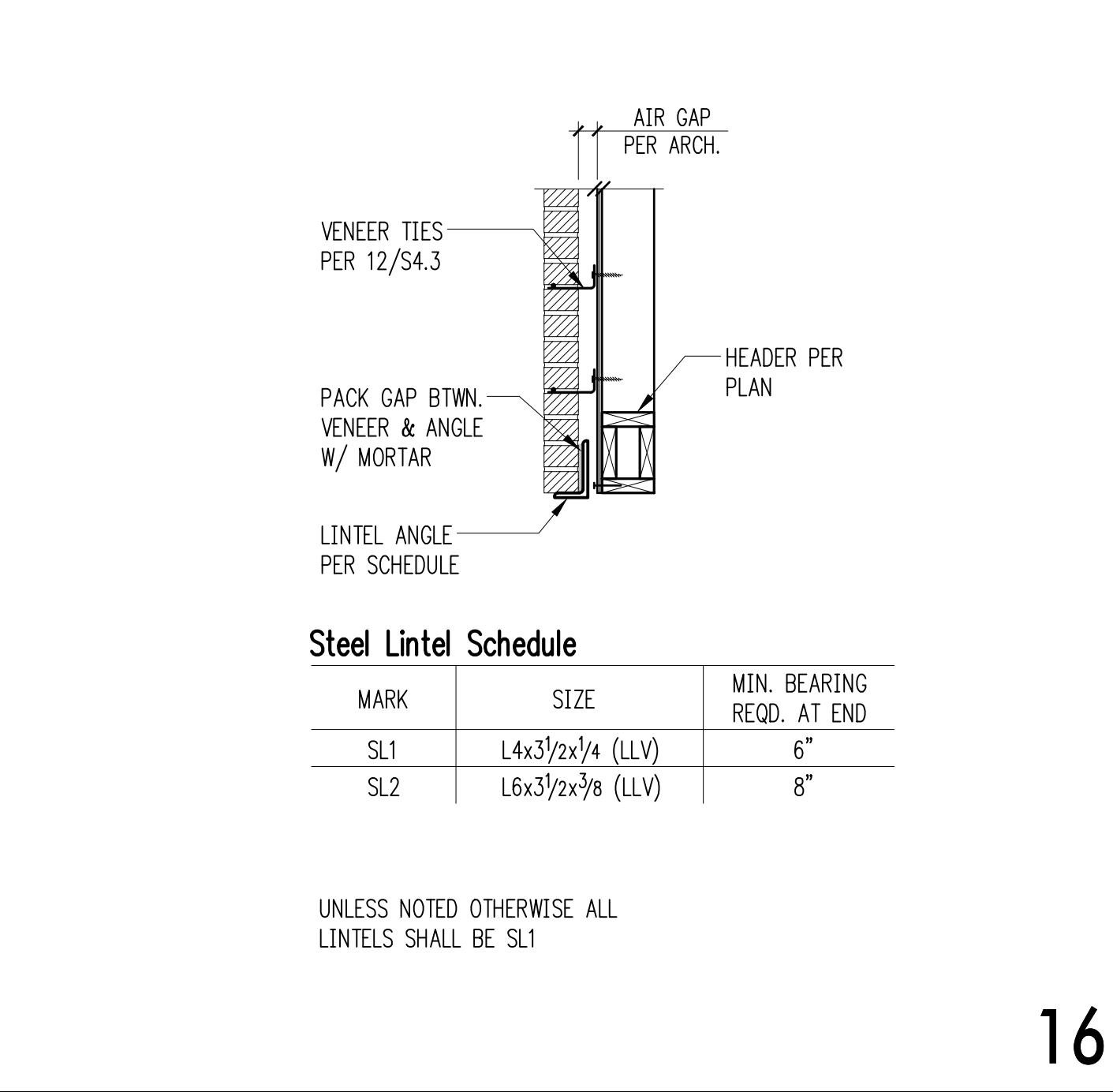
19



17



18



Steel Lintel Schedule

MARK	SIZE	MIN. BEARING RECD. AT END
SL1	L4x3/2x3/4 (LLV)	6"
SL2	L6x3/2x3/8 (LLV)	8"

UNLESS NOTED OTHERWISE ALL LINTELS SHALL BE SL1

16



DRAWN: KMB
 DESIGN: RDH/JWJ
 CHECKED: RDH
 APPROVED: RHR

REVISIONS:

DPD:

PROJECT TITLE:
Ogden Point Residence
 3675 W Mercer Way
 Mercer Island, WA 98040

ARCHITECT:
Demetriou Architects
 5555 Lakeview Drive, Suite 200
 Kirkland, WA 98033
 PH 425-827-170

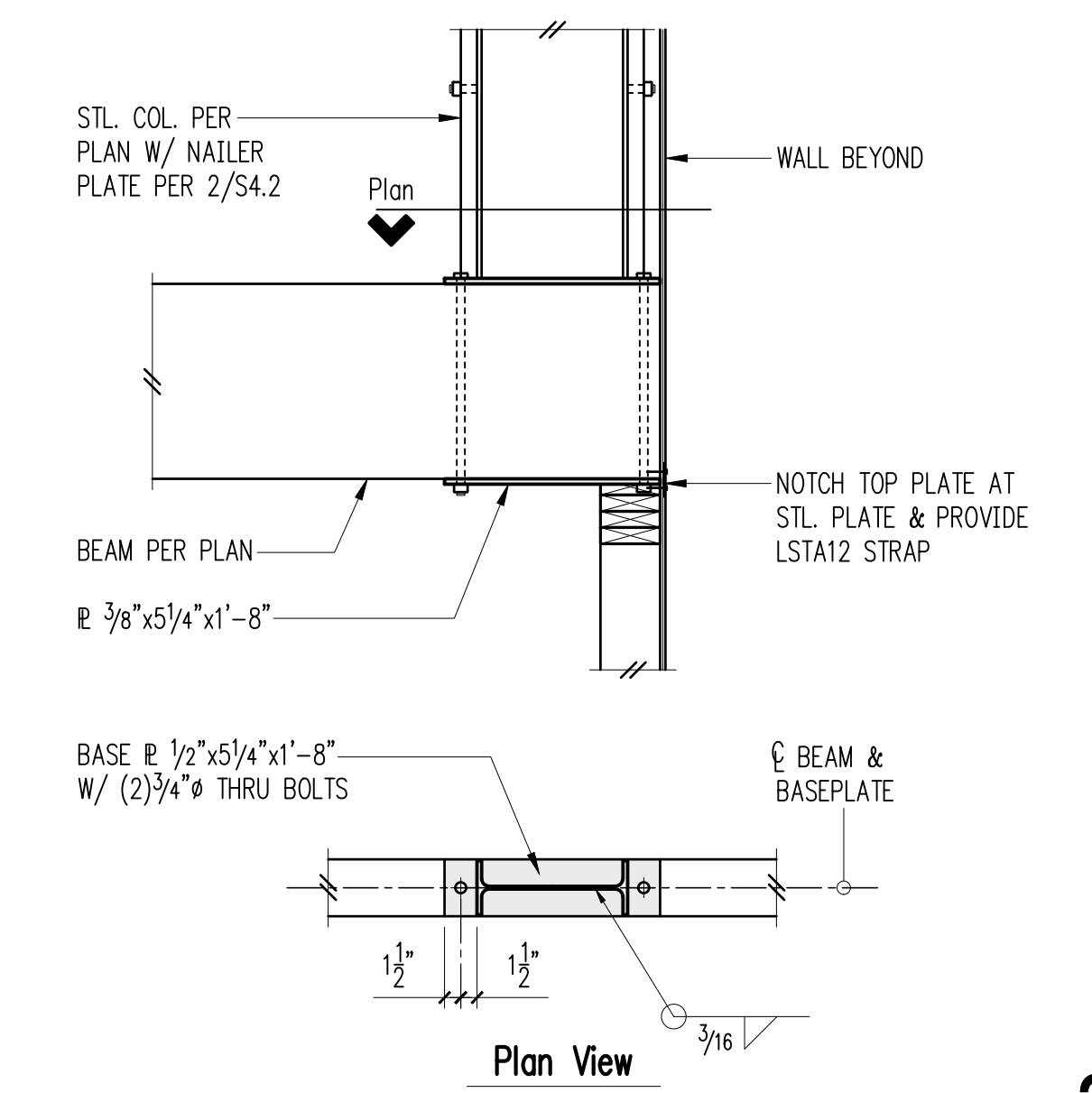
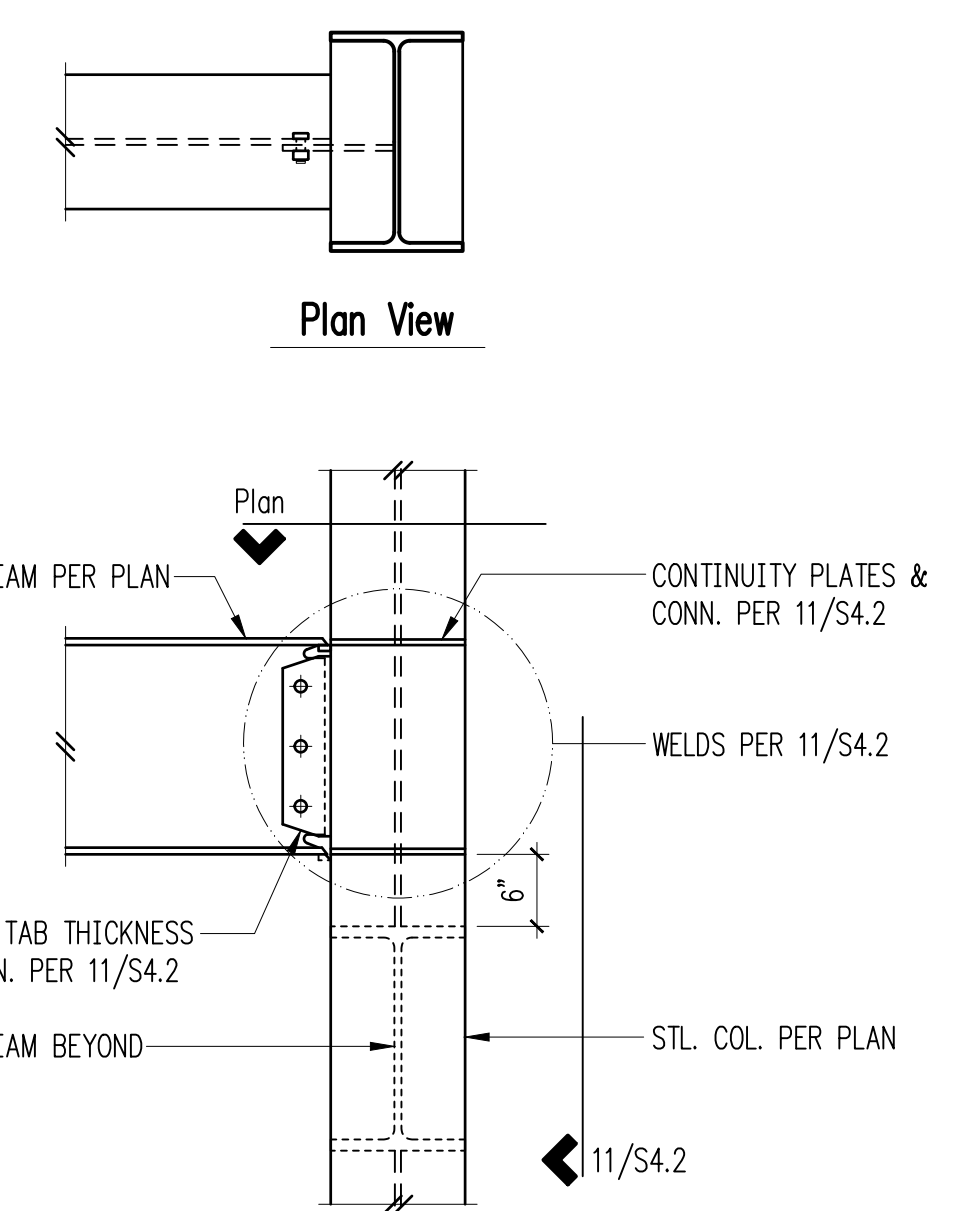
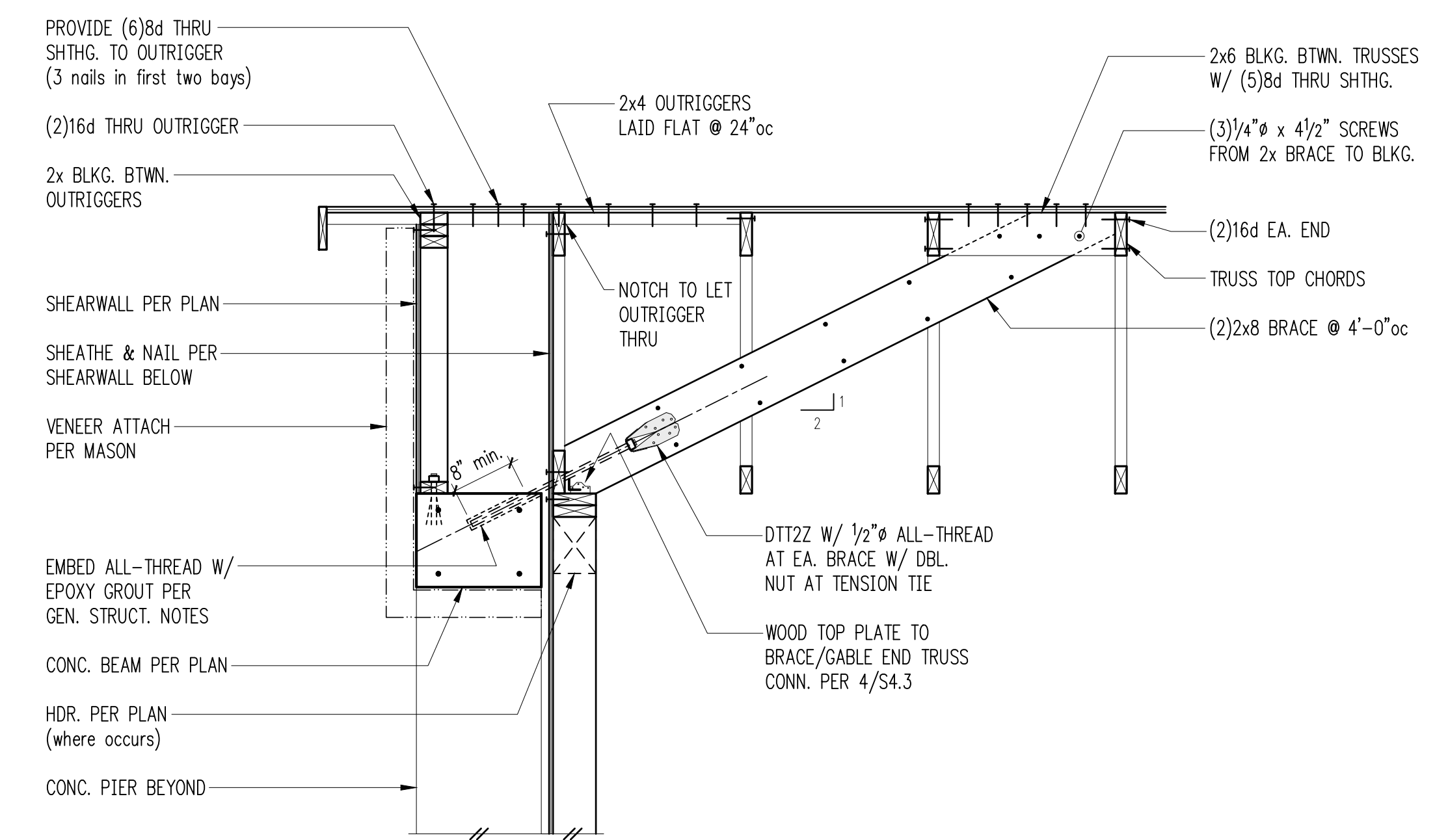
ISSUE:
Permit

SHEET TITLE:
Framing Details

SCALE: 3/4" = 1'-0" U.N.O.
 DATE: November 10, 2017
 PROJECT NO: 00641-2017-01
 SHEET NO:

S4.4

NO. OF SHEETS:



1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

OGDEN POINT RESIDENCE

LOT 1 BUILDING PERMIT

LEGAL DESCRIPTION
(AFTER PROPOSED CONSOLIDATION)

LOT 1

LOTS A AND B, MERCER ISLAND SHORT PLAT NUMBER MI-76-8-027, RECORDED UNDER RECORDING NUMBER 7702170577, AND AS AMENDED BY BOUNDARY LINE REVISION PER CITY OF MERCER ISLAND FILE NO. MI-81-08-15 AS RECORDED UNDER RECORDING NUMBER 8211169001, SAID SHORT PLAT BEING A PORTION OF BLOCK A, REPLAT OF ISLAND PARK, ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 13 OF PLATS, PAGE 58, IN KING COUNTY, WASHINGTON;

TOGETHER WITH SECOND CLASS SHORELANDS ADJACENT THERETO;

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER AN EXISTING PRIVATE ROADWAY LOCATED UPON PROPERTY ADJOINING AS CREATED BY EASEMENTS RECORDED UNDER RECORDING NUMBERS 3860939 AND 3927412, AND ALSO AS DELINEATED ON THE FACE OF SAID BOUNDARY LINE REVISION; AND

TOGETHER WITH PARKING INGRESS, EGRESS AND DRAINAGE EASEMENT AS ESTABLISHED BY PARKING AREA EASEMENT RECORDED UNDER RECORDING NUMBER 5094317 AND AS FURTHER DESCRIBED IN DEED RECORDED UNDER RECORDING NUMBER 8308170194; AND

TOGETHER WITH THAT CERTAIN EASEMENT FOR UNDERGROUND AND OVERHEAD UTILITIES AS ESTABLISHED BY UTILITY EASEMENT RECORDED UNDER RECORDING NUMBER 9304061280.

LOT 2

LOT C, MERCER ISLAND SHORT PLAT NUMBER MI-76-8-027, RECORDED UNDER RECORDING NUMBER 7702170577, AND AS AMENDED BY BOUNDARY LINE REVISION PER CITY OF MERCER ISLAND FILE NO. MI-81-08-15 AS RECORDED UNDER RECORDING NUMBER 8211169001, SAID SHORT PLAT BEING A PORTION OF BLOCK A, REPLAT OF ISLAND PARK, ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 13 OF PLATS, PAGE 58, IN KING COUNTY, WASHINGTON;

TOGETHER WITH SECOND CLASS SHORELANDS ADJACENT THERETO;

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER AN EXISTING PRIVATE ROADWAY LOCATED UPON PROPERTY ADJOINING AS CREATED BY EASEMENTS RECORDED UNDER RECORDING NUMBERS 3860939 AND 3927412, AND ALSO AS DELINEATED ON THE FACE OF SAID BOUNDARY LINE REVISION; AND

TOGETHER WITH PARKING INGRESS, EGRESS AND DRAINAGE EASEMENT AS ESTABLISHED BY PARKING AREA EASEMENT RECORDED UNDER RECORDING NUMBER 5094317 AND AS FURTHER DESCRIBED IN DEED RECORDED UNDER RECORDING NUMBER 8308170194; AND

TOGETHER WITH THAT CERTAIN EASEMENT FOR UNDERGROUND AND OVERHEAD UTILITIES AS ESTABLISHED BY UTILITY EASEMENT RECORDED UNDER RECORDING NUMBER 9304061280.

BASIS OF BEARING

HELD BEARING OF NORTH 40°36'45" WEST BETWEEN EXISTING TACKS SET IN LEAD BY H.W. RUTHERFORD IN 1959, AS SHOWN HEREON AND REFERENCED.

HORIZONTAL DATUM

ASSUMED

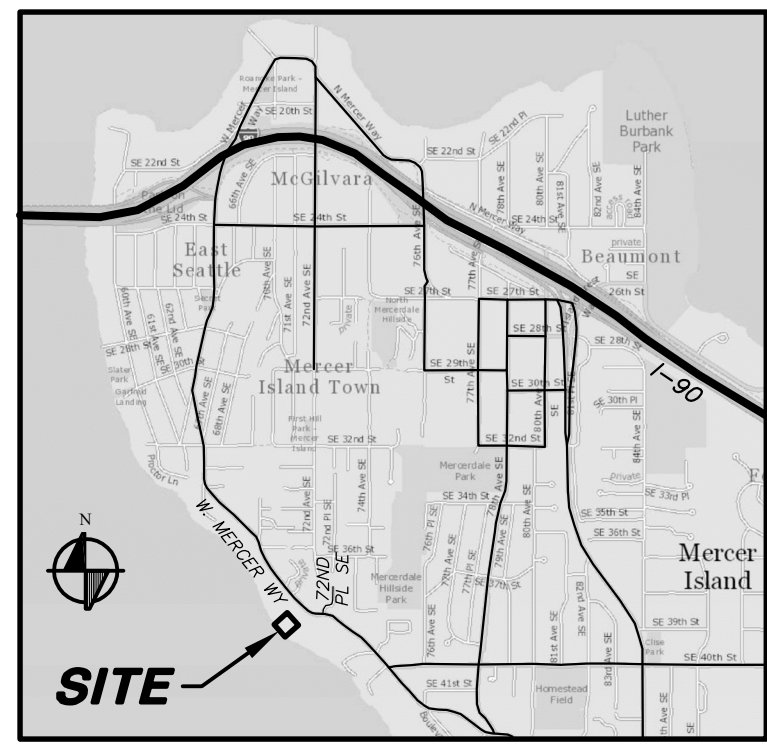
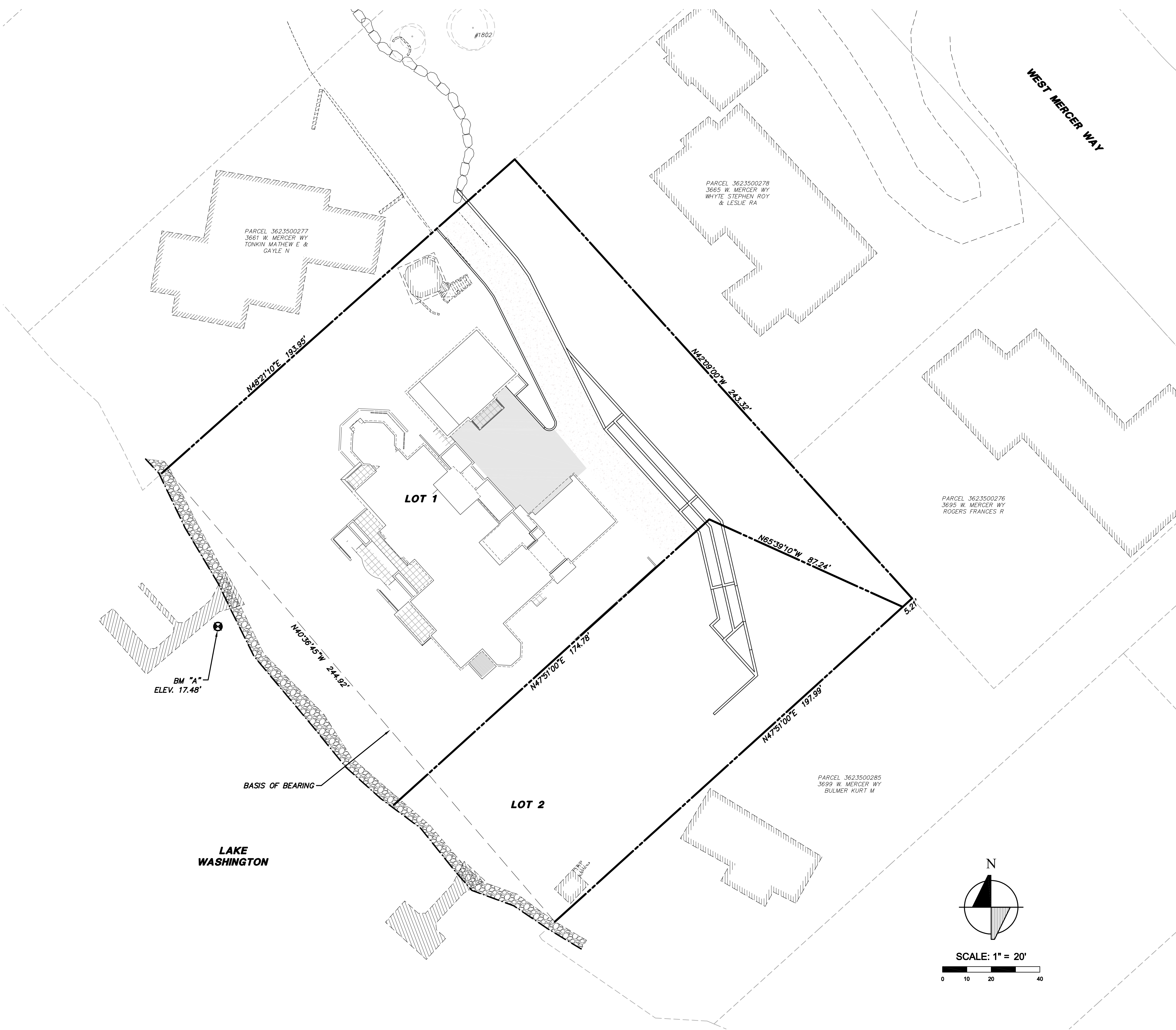
VERTICAL DATUM

NAVD88

BENCH MARK

ORIGINAL BENCHMARK:
WSS SURVEY DATA WAREHOUSE POINT DESIGNATION-8037, 2" BRASS CAP IN 4" CONC. MON (DN 0.3") WEST MERCER WAY AT JOG100' SE OF INTERSECTION OF LAKE PL. 950' NW OF INTERSECTION SE 40TH ST. ELEV 171.06'

BM "A", SET TACK ON CENTERLINE OF DOCK ON LOT A ±10 FROM SHORE. ELEVATION = 17.48'



VICINITY MAP
NOT TO SCALE

OWNER

THE LADYBUG TRUST

PROJECT ENGINEER/SURVEYOR

TRIAD
20300 WOODINVILLE SNOHOMISH ROAD NE
SUITE 200, WOODINVILLE, WA 98072
PHONE: (425) 415-2000
FAX: (425) 486-5059
CONTACTS: MARY MCDOWELL, PLS (SURVEYOR)
ADAM STRICKER, PE (ENGINEER)

PROJECT ARCHITECT

DEMETRIOU ARCHITECTS, PLLC
5555 LAKEVIEW DRIVE, SUITE 200,
KIRKLAND, WA 98033
PHONE: (425) 827-1700
CONTACT: DAVID JAFFE

LANDSCAPE ARCHITECT

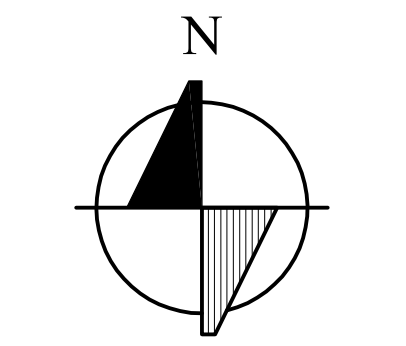
KEN LARGE LANDSCAPE ARCHITECTS
21803 NE 17TH COURT
SAMMAMISH, WA 98074
PHONE: (425) 836-4578
CONTACT: KEN LARGE

GEOTECHNICAL ENGINEER

GEOTECH CONSULTANTS, INC.
13256 NE 20TH ST, SUITE 16
BELLEVUE, WA 98005
PHONE: (425) 747-5618
CONTACT: THOR CHRISTENSEN

SHEET INDEX

- C1 COVER SHEET
- C2 TESC PLAN AND DETAILS
- C3 GRADING, PAVING AND UTILITY PLAN
- C4 NOTES AND DETAILS



SCALE: 1" = 20'

CAUTION
LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION OF UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. YOU MUST CALL 1-800-424-5555 NOT LESS THAN TWO FULL BUSINESS DAYS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS.

WASHINGTON

LOT 1 BUILDING PERMIT
COVER SHEET
THE LADYBUG TRUST
OGDEN POINT RESIDENCE
BUILDING PERMIT

CITY OF MERCER ISLAND,

DATE:	BY:
REVIEWED BY:	DATE:
NO.	DATE

RICHARD A. TOMKINS, PE
PROJECT MANAGER
MARY MCDOWELL, PLS
PROJECT SURVEYOR
ADAM STRICKER, PE
PROJECT ENGINEER

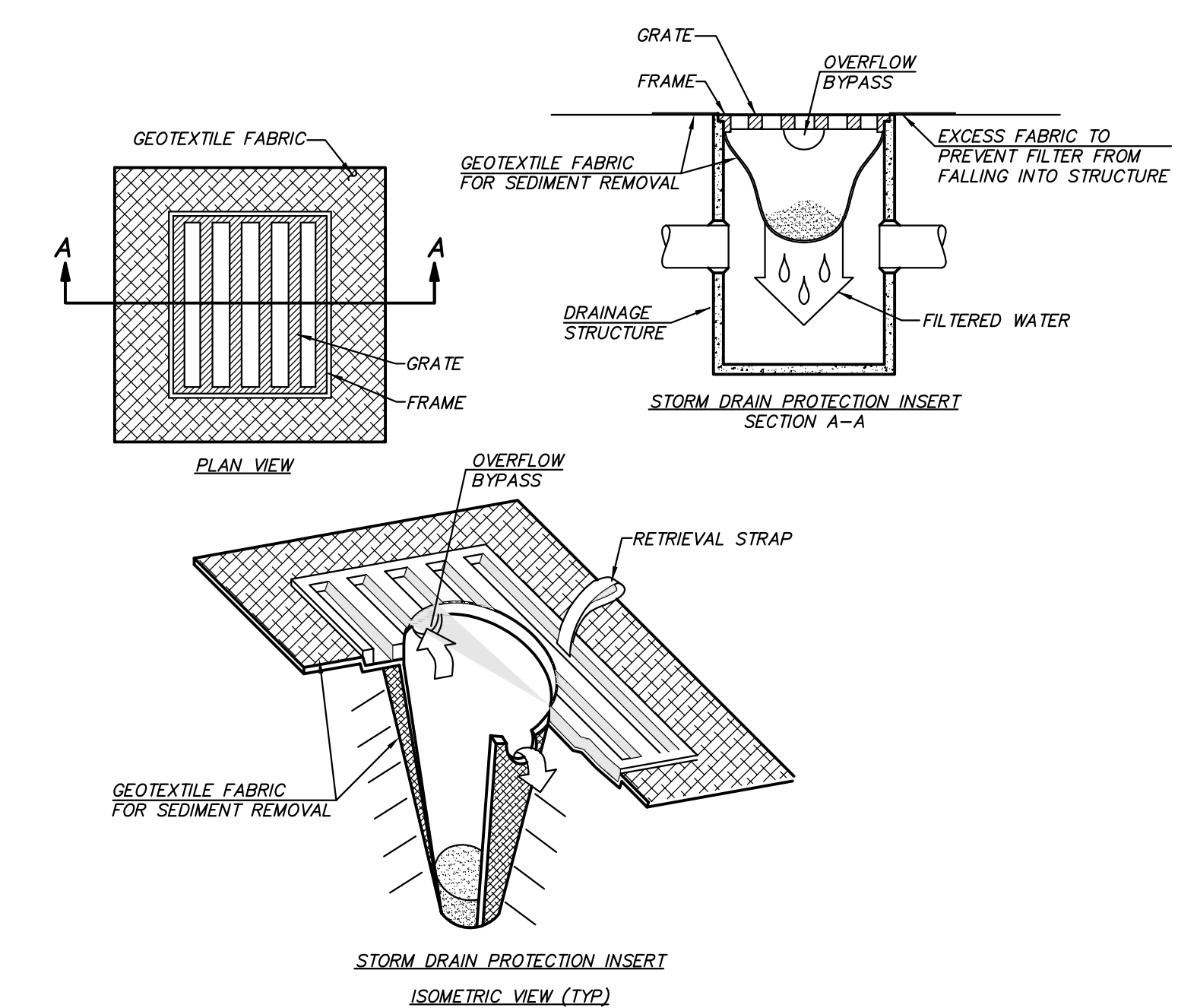
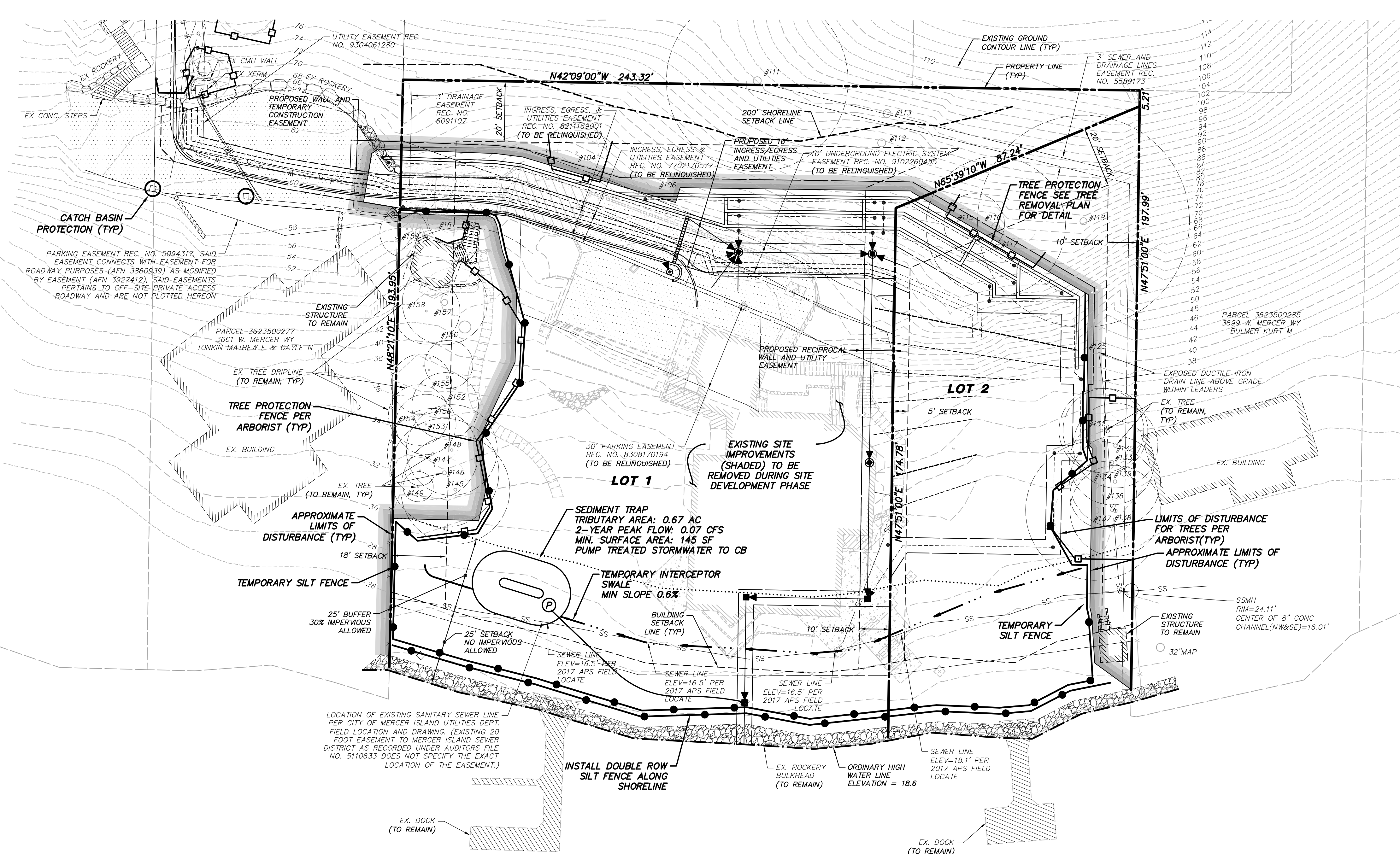
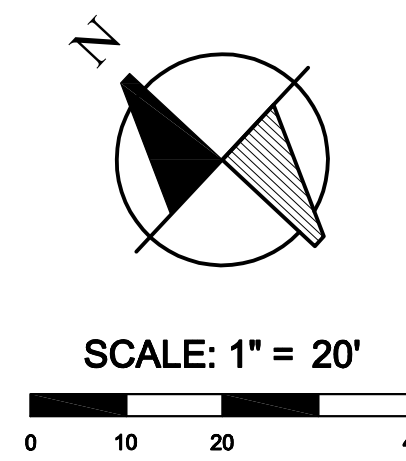
PROJECT LANDSCAPE ARCHITECT
FIRST SUBMITTAL DATE:
SCALE: HORIZ: 1"=20' VERT: N/A



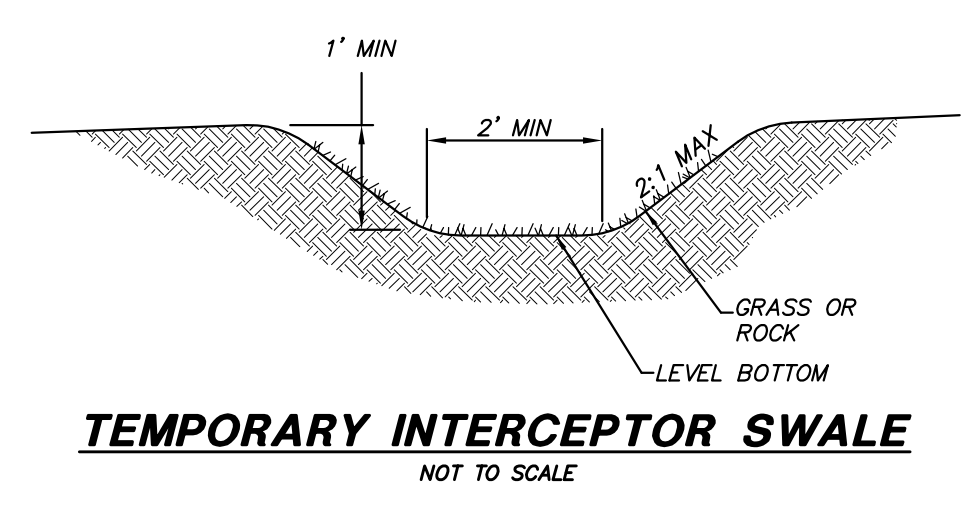
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UNLESS SIGNED AND DATED
JOB NO. **LDYB0002**
SHEET NO. **C1 of 4**

EROSION AND SEDIMENT CONTROL NOTES

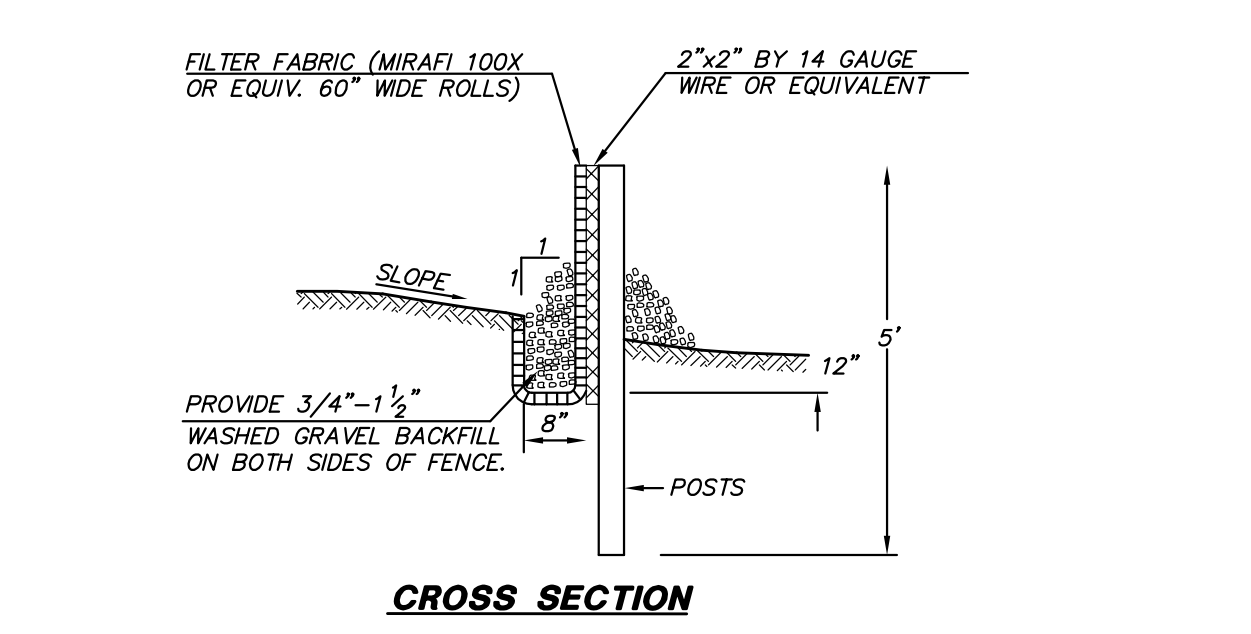
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CE/SCL UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF SURVEY TAPE (OR FENCING, IF REQUIRED) PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/CE/SCL FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CE/SCL SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
- ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS OF STORM EVENT.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY INSPECTOR. THE CITY INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.



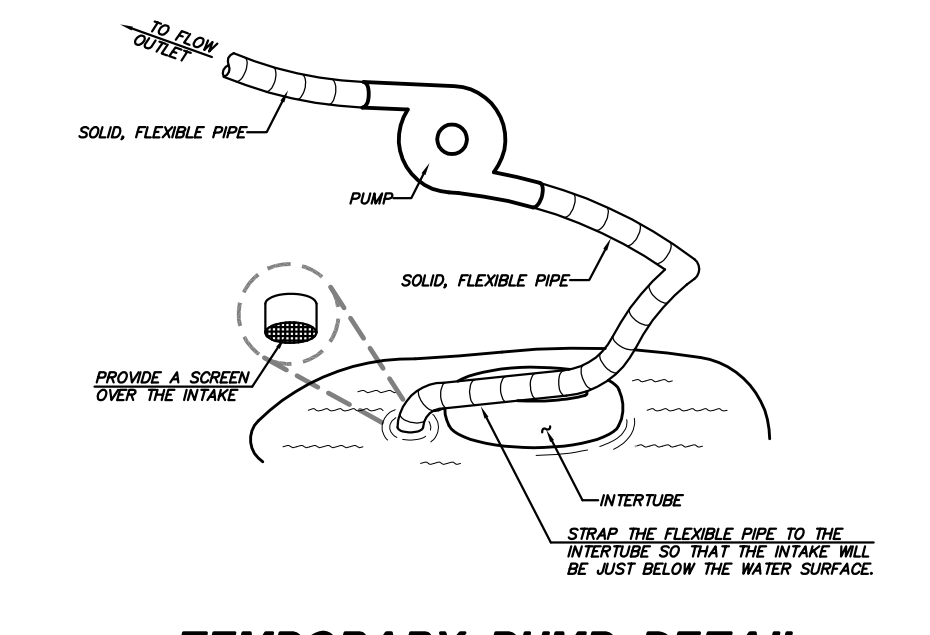
CATCH BASIN TEMPORARY EROSION CONTROL FILTER
NOT TO SCALE



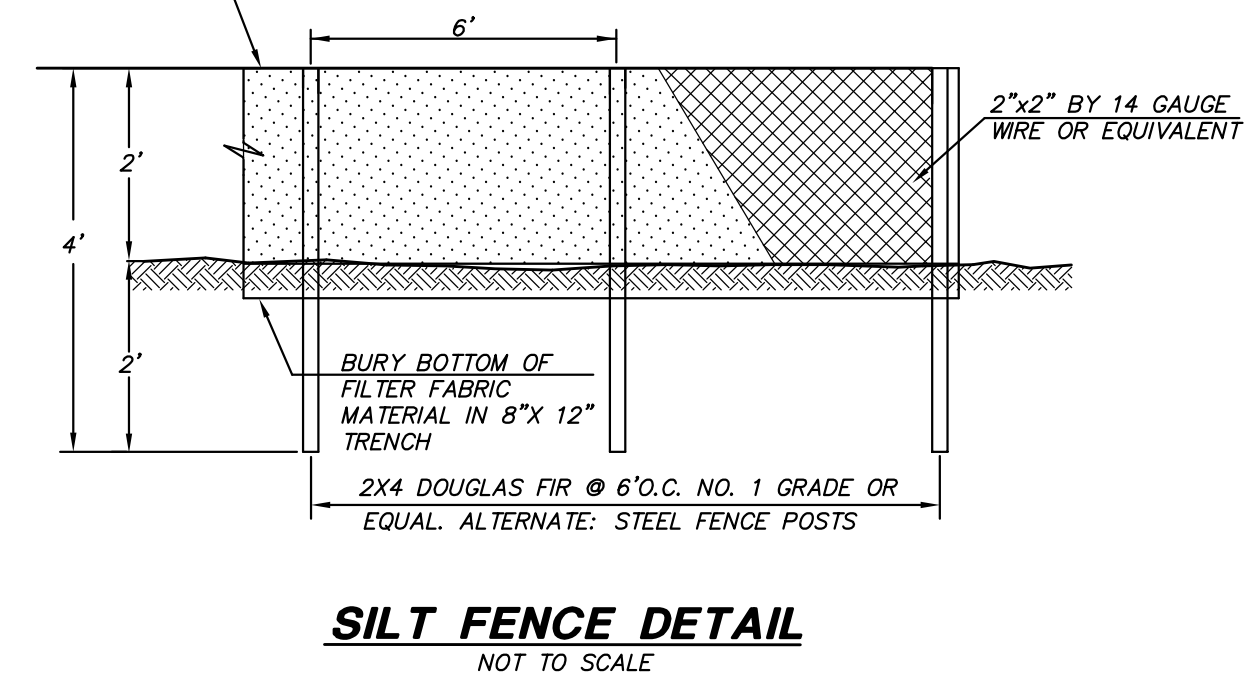
TEMPORARY INTERCEPTOR SWALE
NOT TO SCALE



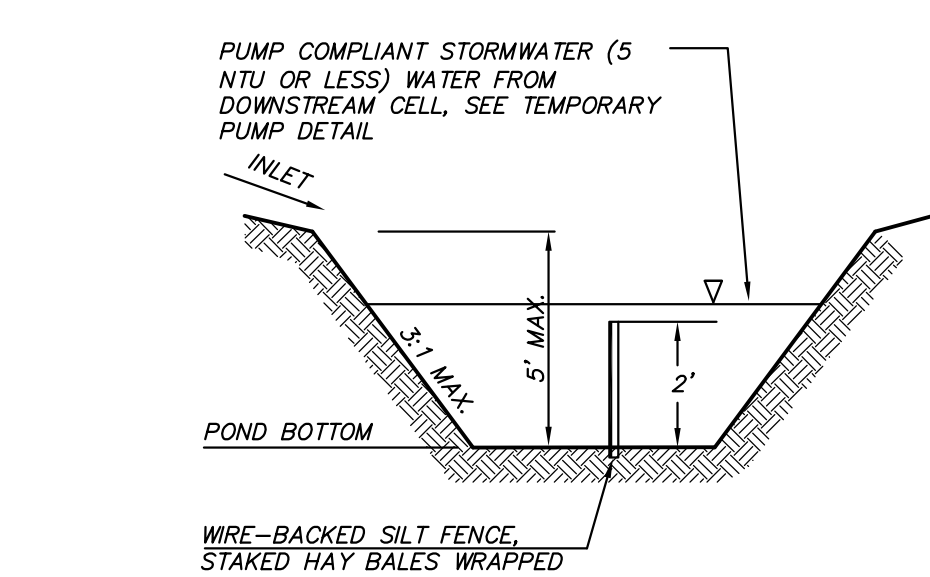
CROSS SECTION



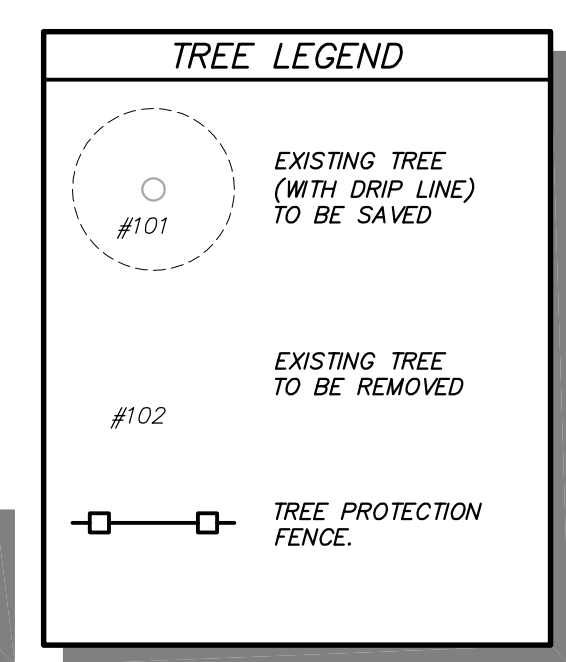
TEMPORARY PUMP DETAIL
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE



SEDIMENT TRAP CROSS SECTION
NOT TO SCALE



TREES WITH DIAMETERS LESS THAN SIX INCHES ARE CONSIDERED NON-SIGNIFICANT.

FOLLOWING DEMOLITION AND PRIOR TO CONSTRUCTION, PROPOSED BUILDING WITH EXCAVATION LIMITS SHALL BE MARKED IN THE FIELD.

CONTRACTOR MAY RELOCATE TESC FACILITIES (SEDIMENT TRAP AND INTERCEPTOR SWALE) AS NEEDED TO FACILITATE CONSTRUCTION.

TOTAL DISTURBED AREA: 27,500 SQUARE FEET

CAUTION:
LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION OF UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. YOU MUST CALL 1-800-424-5555 NOT LESS THAN TWO FULL BUSINESS DAYS BEFORE BEGINNING EXCAVATION. WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED, FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS.

WASHINGTON

TESC PLAN AND DETAILS
THE LADYBUG TRUST
OGDEN POINT RESIDENCE
BUILDING PERMIT

CITY OF MERCER ISLAND,

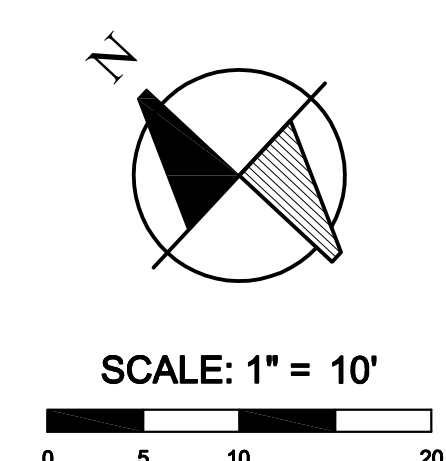
DATE: _____
BY: _____
REVIEWED BY: _____
NO. DATE REVISION

RICHARD A. TOMKINS, PE
PROJECT MANAGER
MARY McDONNELL, PLS
PROJECT SUBMITTOR
ADAM STROCKER, PE
PROJECT ENGINEER

PROJECT LANDSCAPE ARCHITECT
FIRST SUBMITTAL DATE:
SCALE: HORIZ. 1"=20' VERT. 1/4"



STAMP NOT VALID UNLESS SIGNED AND DATED
JOB NO. **LDYB0002**
SHEET NO. **C2 OF 4**



FF ELEVATIONS:

MAIN HOUSE LOWER	27.0'
MAIN	38.0'
MOTORCOURT	42.0'
UPPER T/PLATE	49.0'
	58.5'
GUESTHOUSE/ADU MOTORCOURT	42.0'
EXERCISE	56.5'

ALL STORMDRAIN PIPES TO BE PVC ASTM D-3034, SDR-35 UNLESS OTHERWISE NOTED

YARD DRAIN (YD) SPECIFICATION:
 YARD DRAINS SHALL BE 15" NYLOPLAST DRAIN BASIN WITH CONCRETE BOTTOM AND WITH INTEGRATED DUCTILE IRON FRAME AND GRATE (OR ALTERNATE, APPROVED BY OWNER). ROAD AND FOUNDATION DRAIN CONNECTS TO BE MADE TO YARD DRAINS VIA STACKED 18"x6" TEE FITTINGS.

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LOT 1 BUILDING PERMIT, GRADING, PAVING, AND UTILITY PLAN
 THE LADYBUG TRUST
OGDEN POINT RESIDENCE
 BUILDING PERMIT
 WASHINGTON

CITY OF MERCER ISLAND,
 DATE: _____
 REVIEWED BY: _____
 PROJECT MANAGER: RICHARD A. TOMKINS, PE
 PROJECT SUPERVISOR: MARY MCCOMMELL, PLS
 PROJECT ENGINEER: ADAM STROCKER, PE
 PROJECT ENGINEER: _____
 PROJECT LANDSCAPE ARCHITECT: _____
 FIRST SUBMITTAL DATE: _____
 SCALE: HORIZ. 1"=10' VERT. N/A



STAMP NOT VALID UNLESS SIGNED AND DATED
 JOB NO. **LDYB0002**
 SHEET NO. **C3 OF 4**

BEDDING FOR RIGID PIPE MATERIAL

BEDDING FOR FLEXIBLE PIPE MATERIAL

NOTES

1. EXCAVATE UNSTABLE MATERIAL DOWN TO FIRM SOIL. REPLACE WITH 20% GRAVEL BACKFILL PER WSDOT 9-03.12(3) AS DIRECTED BY THE CITY ENGINEER.
2. PROVIDE UNIFORM SUPPORT UNDER BARREL.
3. HAND TAMP UNDER SUPPORTS.
4. COMPACT BEDDING AND MATERIAL MATERIAL TO MAX. DENSITY EXCEPT FOR FLEXIBLE PIPE. HAND TAMP ONLY UNTIL UNIFORM 2" FLOOR TOP OF PIPE.
5. 30' MAXIMUM TRENCH WIDTH FOR PIPE UP TO AND INCLUDING 18". FOR PIPE LARGER THAN 18", USE O.D. PLUS 18".

CITY OF MERCER ISLAND STANDARD DETAILS SEWER PIPING
 8-5-2009 NO SCALE **S-4**

BUILDING CONNECTION

NOTES

1. BEDDING SHALL NOT BE GREATER THAN 45 DEGREES.
2. CLEAN OUT IS REQUIRED FOR EACH PIPE LENGTH GREATER THAN 100' AND FOR EACH 90° ACCUMULATED ELBOW JOINT.
3. ALL HOUSE PLUMBING COLLECTS MUST BE CONNECTED TO THE SEWER. NO DOWN SPOUTS OR STORM DRAINAGE MAY BE CONNECTED TO THE SEWER SYSTEM.
4. 18" MINIMUM COVERAGE OVER PIPE.
5. LAY PIPE IN STRAIGHT LINE BETWEEN BENDS. MAKE ALL CHANGES IN GRADE OR LINE WITH A BEND OR WYE. 90° CHANGE WITH 1/8" BEND NECESSARY. 22 MINIMUM GRADE.
6. 4" COVER PIPE MINIMUM SIZE ON DISCRETELY SITUATED SEWER BRANCHES.
7. ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH CURRENT SEWER ORDINANCES.
8. CONSTRUCTION REQUIRES A PLAN SHOWING PROPERTY AND DIMENSIONS AND COMPLETION OF SIDE SLOPE INSPECTION AND MAINTENANCE AGREEMENT, AS NEEDED.
9. BACK WATER VALVE (CHECK VALVE) IS REQUIRED:
 - A. IF CONNECTED TO A RIGID SIDE SEWER.
 - B. IF CONNECTION AT HOUSE IS LOWER THAN BOTH UPSTREAM AND DOWNSTREAM MAINLINE.
 - C. SEE DETAIL S-19 FOR LINE AND REQUIREMENTS.
10. AS-BUILT DRAWING SHOWING LOCATION OF SIDE SEWER & ALL BENDS, C.O. ETC. IN RELATION TO THE HOUSE IS REQUIRED AFTER INSPECTION & INSTALLATION. SEE STANDARD S-19 FOR A TYPICAL "AS BUILT".
11. THE MINIMUM PIPE SIZE FOR SIDE SEWERS SHALL BE:
 - A. - 2" TO 10" SINGLE FAMILY RESIDENCES.
 - B. - 3" TO 10" SINGLE FAMILY RESIDENCES.
 - C. - BUILDINGS OTHER THAN SINGLE FAMILY RESIDENCES.
12. UTILITIES SHALL BE MARKED PRIOR TO EXCAVATION. SURFACE COLOR CODED, WITH UTILITY MARK PRINTED ON TAPE. CONDUCTIVE MARKING TAPE REQUIRED OVER ALL WATER PIPE. TAPE SHALL BE MANUFACTURER'S STANDARD PERMANENT BRIGHT-COLORED CONTRAST PRINTED PLASTIC TAPE. ALUMINUM BACKED, INTENDED FOR DIRECT-BURIAL SERVICE. TAPE SHALL BE NOT LESS THAN 2" WIDE X 1/8" THICK.

CITY OF MERCER ISLAND STANDARD DETAILS SEWER HOUSE SEWER CONNECTION
 8-5-2009 NO SCALE **S-18**

FOR PVC PIPE

NOTES

1. SEE S-27 FOR INSTALLATION DETAILS.

CITY OF MERCER ISLAND STANDARD DETAILS SEWER CLEAN OUT DETAIL
 8-5-2009 NO SCALE **S-19**

DISCONNECTION

WHEN DEMOLISHING AN EXISTING BUILDING THE BUILDING SIDE SEWER SHALL BE DISCONNECTED FROM THE SEWER OF BUILDING FOUNDATIONS. THE CONTRACTOR SHALL INSTALL A MECHANICAL PLUG WITH NON-SWAP GROUT AT THE END OF THE SIDE SEWER TO REMAIN IN PLACE. DISCONNECTIONS SHALL BE PERFORMED IN THE PRESENCE OF THE CITY'S UTILITY INSPECTOR. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT DRAWING DEPICTING THE DISCONNECTED SIDE SEWER UPON COMPLETION OF THE WORK.

RECONNECTION

WHEN RECONNECTING TO AN EXISTING SIDE SEWER, THE POINT OF RECONNECTION WILL BE DETERMINED BASED ON THE LOCATION OF THE CONSTRUCTION ON THE PROPERTY.

1. PARTIAL INTERIOR REMOVAL AND/OR BUILDING ADDITION WITH NO ADDITIONAL PLUMBING FEATURES - NO SIDE SEWER REPLACEMENT REQUIRED UNLESS A KNOWN PROBLEM EXISTS IN THE SIDE SEWER.
2. PARTIAL INTERIOR REMOVAL AND/OR BUILDING ADDITION WITH ADDITIONAL PLUMBING FEATURES - REASSESS CONDITION OF EXISTING SIDE SEWER THROUGH VIDEO INSPECTION FROM BUILDING TO PROPERTY LINE & REPLACE AS NEEDED.
3. COMPLETE INTERIOR REMOVAL OF RESIDENCE - REASSESS CONDITION OF EXISTING SIDE SEWER THROUGH VIDEO INSPECTION FROM BUILDING TO PROPERTY LINE AND REPLACE AS NEEDED. IF EXISTING SIDE SEWER IS ASBESTOS CEMENT OR COMPOSITE, SIDE SEWER SHALL BE REPLACED WITH DUCTILE IRON. PARTIAL INTERIOR REMOVAL WITH ADDITIONAL PLUMBING FEATURES SHALL BE PERFORMED IN THE PRESENCE OF THE CITY'S UTILITY INSPECTOR. THE CONTRACTOR SHALL PROVIDE A COPY OF THE VIDEO DOCUMENTATION (VIDEO AND HARDCOPY REPORT) TO THE CITY ENGINEER.
4. COMPLETE INTERIOR REMOVAL AND BUILDING ADDITION - NEW SIDE SEWER FROM BUILDING TO PROPERTY LINE.
5. CONSTRUCTION OF A NEW SINGLE FAMILY RESIDENCE - NEW SIDE SEWER FROM BUILDING TO PROPERTY LINE.

BACK WATER VALVE INSTALLATION PER CITY ENGINEER BY SCENARIO 2, 3, 4, OR 5 IS DIRECTLY ATTACHED TO THE LINE AND ON THE ELEVATION OF THE LOWEST DRAIN IN THE RESIDENCE IS LOWER THAN THE RIM ELEVATION OF THE UPSTREAM SEWER MAINLINE ON THE MAIN.

VIDEO INSPECTION OF THE EXISTING SIDE SEWER, INCLUDING THE PROPERTY LINE AND THE SEWER MAIN SHALL BE PERFORMED FOR SCENARIOS NUMBER 4 AND 5.

REPLACEMENT OR REPAIR OF THAT PORTION OF THE SIDE SEWER BETWEEN THE PROPERTY LINE AND THE SEWER MAIN, WILL BE DETERMINED BY THE CITY ENGINEER, BASED ON THE VIDEO INSPECTION.

IF THE EXISTING SIDE SEWER IS PVC AND IS LESS THAN TEN YEARS OLD, THE SIDE SEWER DOES NOT HAVE TO BE REPLACED IF A VIDEO INSPECTION AND/OR HYDROSTATIC PRESSURE TEST CONFIRMS THAT THE SIDE SEWER IS IN PROPER WORKING CONDITION. THESE TESTS SHALL BE PERFORMED AFTER ALL HEAVY EQUIPMENT THAT COULD DAMAGE THE SIDE SEWER IS OFF OF THE SITE.

CITY OF MERCER ISLAND STANDARD DETAILS SEWER RESIDENTIAL SIDE SEWER DISCONNECTION & RECONNECTION
 8-5-2009 NO SCALE **S-22**

DRAIN SYSTEM ALTERNATIVES

POTABLE WATER SUPPLY ALTERNATIVES

NOTES

1. ADDITIONAL PERMITS THROUGH THE BUILDING DEPARTMENT MAY BE REQUIRED.
2. THE COMPLETE DISCHARGE SYSTEM TO BE PERMANENTLY PLUMBED.
3. AIR GAP = 2" DISCHARGE PIPE BORE DIAMETER (PIPE I.D. 2" = 4" AIR GAP) ABOVE THE FLOOD RIM ELEVATION (MIN. 7").
4. RIGHT PLUMB TO SANITARY SEWER SYSTEM, WHETHER OUTSIDE THE HOUSE.
 - A. IF INSIDE THE HOUSE, A PLUMBING PERMIT THROUGH THE BUILDING DEPARTMENT IS REQUIRED.
 - B. IF OUTSIDE THE HOUSE, A SIDE SEWER REVISION PERMIT IS REQUIRED THROUGH THE DEVELOPMENT SERVICE DEPARTMENT.

APPLICABLE CODES

1. MERCER ISLAND MUNICIPAL CODE, SECTION 17.30.070
2. MERCER ISLAND SEWER DISTRICT ADMINISTRATION CODE, SECTION 3.04
3. I.A.P.M.O. - UNIFORM SWAMPING POOL, SPA AND HOT TUB CODE 1992

CITY OF MERCER ISLAND STANDARD DETAILS GUIDELINES FOR INSTALLATION HOT TUBS, JACUZZIS & SWIMMING POOLS
 8-5-2009 NO SCALE **S-35**

NOTE

1. NO DOMESTIC CONNECTIONS CAN BE MADE TO THE FIRE HYDRANT RUNS.
2. ANY FIRE HYDRANT RUN OVER 18 FEET IN LENGTH OF PIPE SHALL HAVE RESTRAINED JOINT GASKETS.
3. USE ROMA GRIP OR APPROVED EQUAL PIPE RESTRAINTS AT VALVE AND HYDRANT BASE.
4. HYDRANT SHALL BE PAINTED WITH 2 COATS OF PAINTED 6500 HIGH GLOSS WHITE PAINT, OR APPROVED EQUAL, APPLIED WITH A PAINT BRUSH. DO NOT APPLY PAINT TO STORM FITTING, BRASS PORT FITTING, OR BELOW SAFETY FLANGE.
5. 1-3/4" M.V.O. HYDRANT WITH 2-1/2" N.T.S. AND 1-1/4" PUMPER SEATTLE STANDARD PIPE THREAD WITH 4" BORE CONNECTION. M.V. INLET WITH LOCK, BRASS-TO-BRASS SEAT, 1/2" NPT OR MUELLER "SUPER CENTURION".
6. BALLBEARS MAY BE USED TO PROTECT THE HYDRANT WHEN NO CURBS ARE PRESENT OR IN EXPOSED AREAS OF PARKING LOTS.
7. STRAIGHT PIPE TO HYDRANTS FROM MAIN, NO BENDS.
8. REMOVE CHAINS FROM HYDRANT CAPS.
9. VALVE AND HYDRANT MUST BE PLUMB.
10. THIS DISTANCE IS MEASURED FROM BOTTOM OF SAFETY FLANGE TO LEVEL OF FINISH GRADE.

CITY OF MERCER ISLAND STANDARD DETAILS WATER FIRE HYDRANT CONNECTION
 2-05-2014 NO SCALE **W-24**

DUCTILE IRON TAPPING TEE MECHANICAL JOINT SLEEVE

STAINLESS STEEL TAPPING TEE

NOTES

1. STAINLESS STEEL TAPPING TEES SHALL HAVE FULL CIRCLE SEAL.
2. STEEL TAPPING TEES SHALL BE EPXY COATED.
3. NO SIZE OR SIZE TAPS. TAP SHALL BE AT LEAST 1/2" SMALLER DIAMETER THAN THE EXISTING MAIN.
4. TAPPING TEES SHALL BE MILLER OR EQUAL.

CITY OF MERCER ISLAND STANDARD DETAILS WATER TAPPING TEE
 8-12-2009 NO SCALE **W-11**

PLAN

NOTES

1. CONTRACTOR TO DETERMINE ALIGNMENT, SIZE AND GRADE OF EXISTING FACILITIES PRIOR TO SHUTDOWN.
2. ALL EXCAVATION, PIPE FITTINGS, MATERIALS, BACKFILL COMPACTION AND STREET RESTORATION ARE CONTRACTOR'S RESPONSIBILITY.
3. ALL MATERIALS TO BE ON SITE PRIOR TO SHUTDOWN OF EXISTING MAIN.
4. ALL PRESSURE TESTING, DISINFECTION, BACTERIA TESTING, TASTE TESTING AND NOTIFICATION OF RESIDENTS EFFECTED BY THE SHUTDOWN SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 7, 8 & 9 OF DIVISION 9, WATER ENGINEERING STANDARDS, PRIOR TO CONNECTION TO THE CITY SYSTEM OF THE NEW WATERMAIN.
5. LONG PATTERNS MECHANICAL JOINT SLEEVE WITH PIPE CUT TO FIT GAP - FURNISH AND INSTALLED AT TIME OF CONNECTION.
6. TEE OR TAPPING TEE AND MATERIALS NECESSARY TO MAKE THE FINAL CONNECTION TO THE CITY WATER SYSTEM SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
7. CLEAN POTABLE WATER HOSE, WATER METER AND DCVA PROVIDED BY CITY. A RENTAL FEE IS REQUIRED.
8. HYDRANT PERMIT REQUIRED.
9. CHECK WITH SEWER DEPARTMENT BEFORE DISCHARGING INTO THE SANITARY SEWER SYSTEM. ALL DISCHARGED WATER MUST BE DISCHARGED INTO THE SEWAGE SYSTEM UNLESS RECYCLED/REUSED FIRST.
10. ALL FITTINGS TO BE DUCTILE IRON.
11. ALL EXCAVATION SHALL PROVIDE A MINIMUM OF 1' CLEAR AROUND PIPE AND FITTINGS.

CITY OF MERCER ISLAND STANDARD DETAILS WATER WATER MAIN FLUSHING
 8-12-2009 NO SCALE **W-32**

Catch Basin (C.B.)

NOTES

1. Catch Basin with Oil Separator

CITY OF MERCER ISLAND STANDARD DETAILS WATER TRENCH SECTION
 12-23-2013 NO SCALE **W-3**

TRENCH WIDTH

PIPE SIZE	TRENCH WIDTH	MAX. RESTORATION WIDTH AT SURFACE	MAX. RESTORATION WIDTH AT SURFACE
WATER SERVICES	2'-0"	2'-0"	4'-0"
4" OR 6"	2'-2"	3'-0"	5'-0"
8"	2'-4"	4'-0"	6'-0"
10"	2'-6"	4'-0"	6'-0"
12"	2'-8"	4'-0"	6'-0"
16"	3'-0"	5'-0"	7'-0"

NOTES

1. CALL TWO BUSINESS DAYS BEFORE YOU DIG. (1-800-424-2055)
2. ALL TRENCH BACKFILL MATERIAL SHALL BE 100% 5/8" MIN. CRUSHED ROCK PER WSDOT 9-03.12(3) UNLESS DIRECTED OTHERWISE BY CITY ENGINEER.

CITY OF MERCER ISLAND STANDARD DETAILS WATER TRENCH SECTION
 12-23-2013 NO SCALE **W-3**

PLAN

ELEVATION

NOTES

1. MINIMUM SPACING BETWEEN CURB STOP AND PIPE ENDS SHALL BE 3/4" ALL HORIZONTALLY STAGGERED. BETWEEN TAPS, BETWEEN CURB STOP AND PIPE ENDS SHALL BE 3/4" ALL HORIZONTALLY STAGGERED.
2. PLASTIC METER BOXES SHALL NOT BE INSTALLED WITHIN ROADWAY, SIDEWALK, OR DRIVEWAYS.
3. METER BOXES SHALL BE INSTALLED IN PORTLAND CEMENT CONCRETE PAVEMENT OR GRANULAR CONCRETE FILL EXPANSION MATERIAL SURROUNDING THE PERIMETER OF THE METER BOX SHALL BE PROVIDED.
4. MAIN CONNECTING TO EXISTING SERVICE LINE CONTAINING FERROUS METAL, PROVIDE INSULATING COATING OR SERIES WITH 2" SOLID ADAPTERS AND PROVIDE REDUCER AS NECESSARY TO MATCH EXISTING SERVICE LINE DIMENSIONS.
5. SERVICE LINE SHALL BE PERPENDICULAR TO THE WATER MAIN AND SHALL NOT BE UNDER THE WATER MAIN AND SHALL NOT BE UNDER THE WATER MAIN.
6. WATER METER SUPPLIED BY CITY.
7. ALL FITTINGS TO BE BRASS COMPRESSION PIPE, FIBER QUICK JOINT OR EQUAL.
8. NO SERVICE CONNECTIONS BETWEEN BLOW-OFF AND END OF MAIN.

CITY OF MERCER ISLAND STANDARD DETAILS WATER 1-1/2" WATER METER INSTALLATION
 12-20-2016 NO SCALE **W-14**

INSTALLATION IN PLANTER STRIP 3" OR WIDER

INSTALLATION BEHIND SIDEWALK

INSTALLATION IN SIDEWALK

INSTALLATION WITH NO SIDEWALK

NOTES

1. APPROVED METER BOX ASSEMBLY (SEE DWG. NO. W-17 & 18 FOR DETAILS)
2. APPROVED METER BOX ASSEMBLY (SEE DWG. NO. W-17 & 18 FOR DETAILS)
3. APPROVED METER BOX ASSEMBLY (SEE DWG. NO. W-17 & 18 FOR DETAILS)
4. APPROVED METER BOX ASSEMBLY (SEE DWG. NO. W-17 & 18 FOR DETAILS)

CITY OF MERCER ISLAND STANDARD DETAILS WATER WATER METER PLACEMENT
 3-20-2006 NO SCALE **W-16**

CONSTRUCTION SEQUENCE

1. INSTALL NEW STORM DRAINAGE OUTFALL.
2. INSTALL FILTER FENCE AND TREE PROTECTION FENCING AS SHOWN ON PLAN.
3. REMOVE EXISTING STRUCTURES AND HARDSCAPE AND CLEAR TREES AND LANDSCAPING PER TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, SHEET C2. EXISTING DRIVEWAY TO REMAIN TO PROVIDE ACCESS TO NEIGHBORING PROPERTY UNTIL NEW DRIVEWAY IS CONSTRUCTED.
4. GRADE SITE, BUILD RETAINING WALLS, EXTEND STORM DRAINAGE AND INSTALL UTILITIES.
5. INSTALL TEMPORARY EROSION CONTROL FILTER IN ALL CATCH BASINS AND AREA DRAINS WITH GRATES.
6. MAINTAIN ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL LANDSCAPING IS COMPLETE AND SITE IS STABILIZED.

NOTES AND DETAILS
 THE LADYBUG TRUST
OGDEN POINT RESIDENCE
 BUILDING PERMIT
 CITY OF MERCER ISLAND,

REVIEWED BY: _____
 DATE: _____
 NO. _____

RICHARD A. TOMKINS, PE
 PROJECT MANAGER
 MARY MCCOMMELL, PLS
 PROJECT SURVEYOR
 ADAM STROCKER, PE
 PROJECT ENGINEER

PROJECT LANDSCAPE ARCHITECT
 FIRST SUBMITTAL DATE:
 SCALE: BUIL: N/A VER: N/A

STAMP NOT VALID
 UNLESS SIGNED AND DATED
 JOB NO. **LDYB0002**
 SHEET NO. **C4** OF **4**



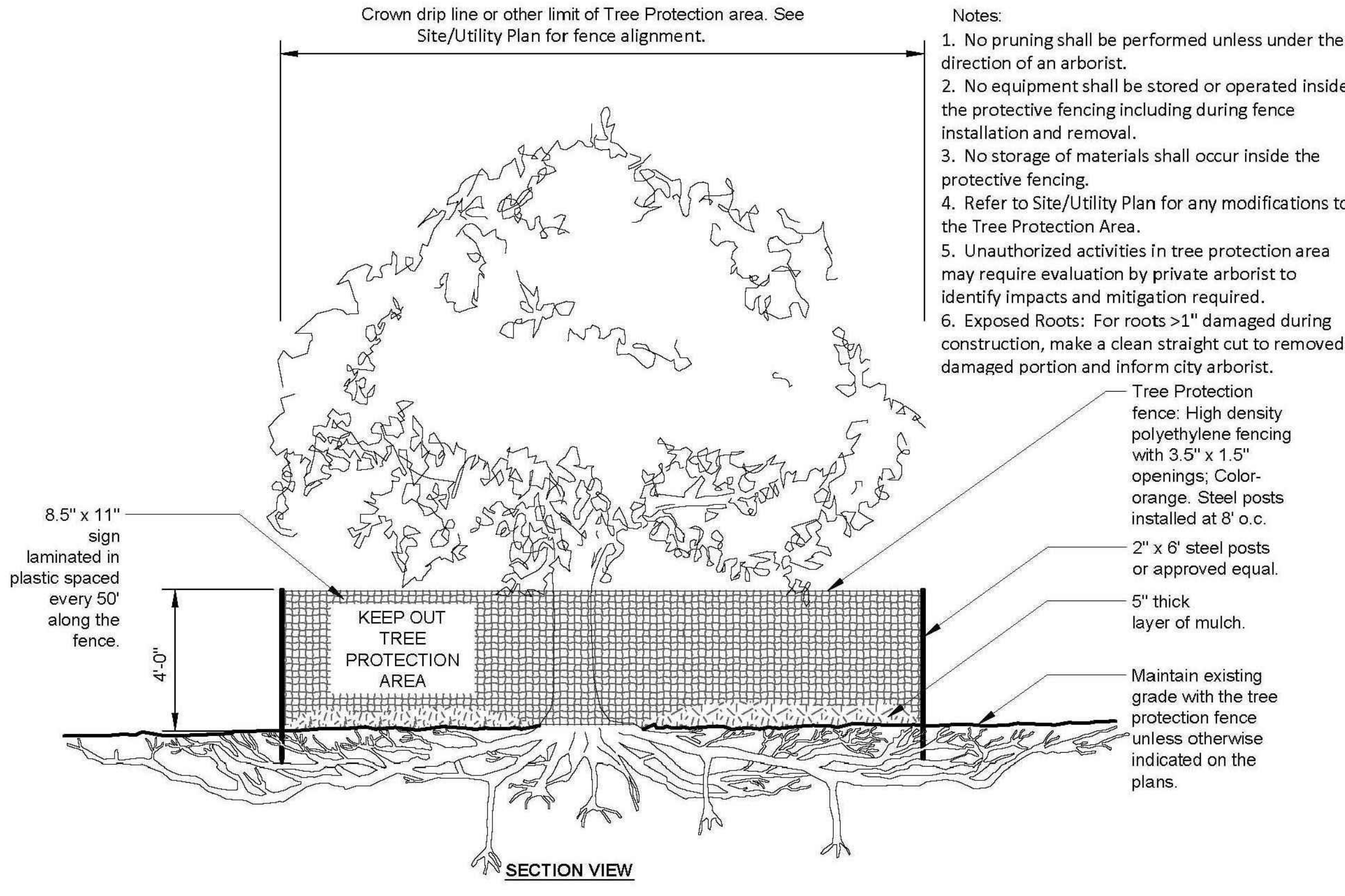
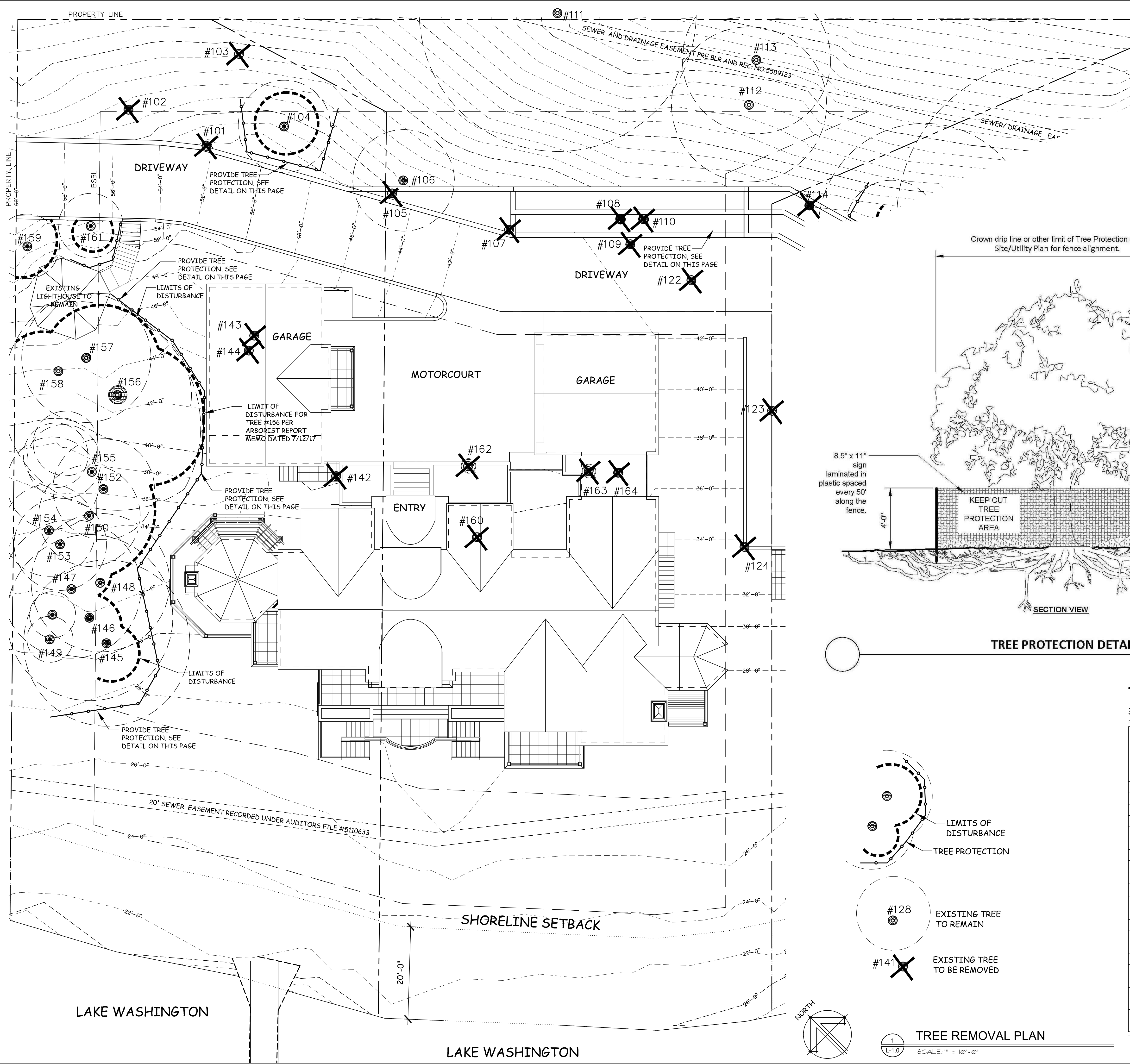
OGDEN POINT
3675 W. MERCER WAY
MERCER ISLAND, WASHINGTON

JOB NUMBER: _____
DRAWN: _____
CHECKED: _____
DATE: JULY 26, 2017
REVISIONS:

1	08/14/17 PLAN REVIEW
2	10/25/17 PLAN UPDATE
3	11/20/17 PLAN UPDATE
4	12/11/17 PLAN UPDATE
5	02/28/18 DOCK PERMIT

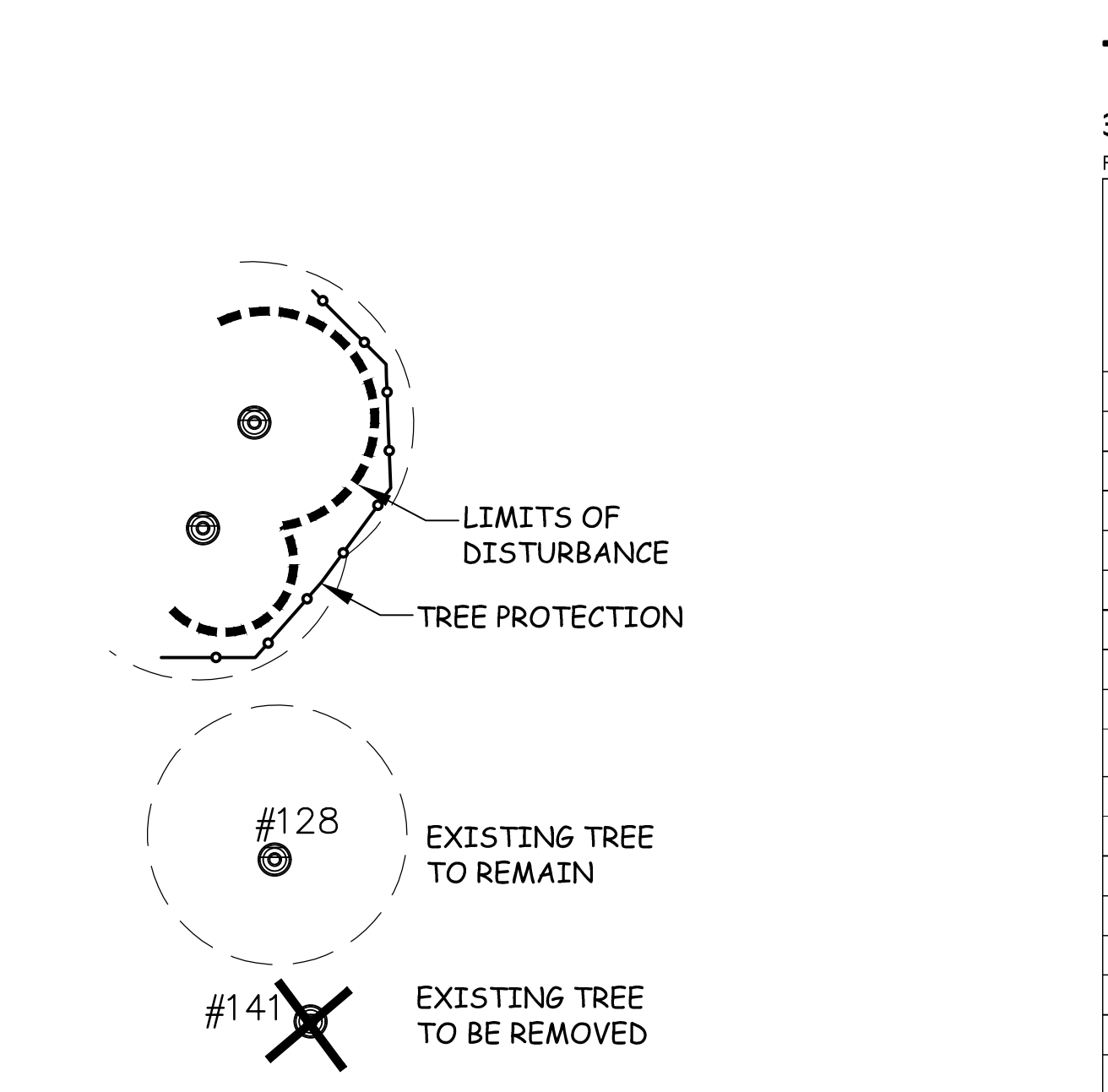
SHEET TITLE:
TREE REMOVAL PLAN
LOTS 1 & 2
PERMIT SET
SHEET NUMBER:

L-1.0



- Notes:
1. No pruning shall be performed unless under the direction of an arborist.
 2. No equipment shall be stored or operated inside the protective fencing including during fence installation and removal.
 3. No storage of materials shall occur inside the protective fencing.
 4. Refer to Site/Utility Plan for any modifications to the Tree Protection Area.
 5. Unauthorized activities in tree protection area may require evaluation by private arborist to identify impacts and mitigation required.
 6. Exposed Roots: For roots >1" damaged during construction, make a clean straight cut to removed damaged portion and inform city arborist.

TREE PROTECTION DETAIL



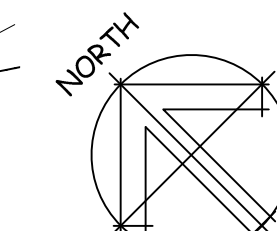
TREE REMOVAL FORM LOTS 1 AND 2

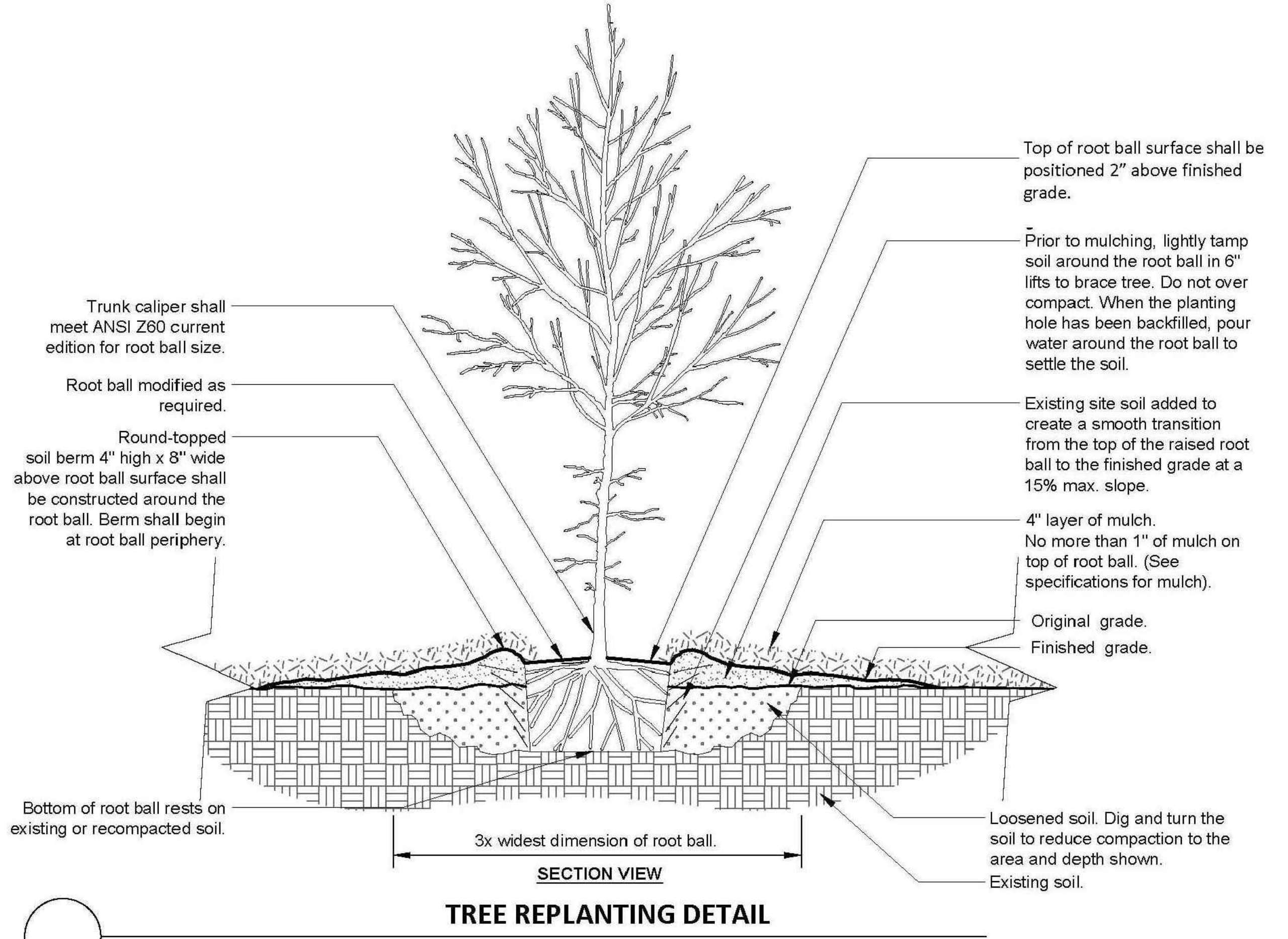
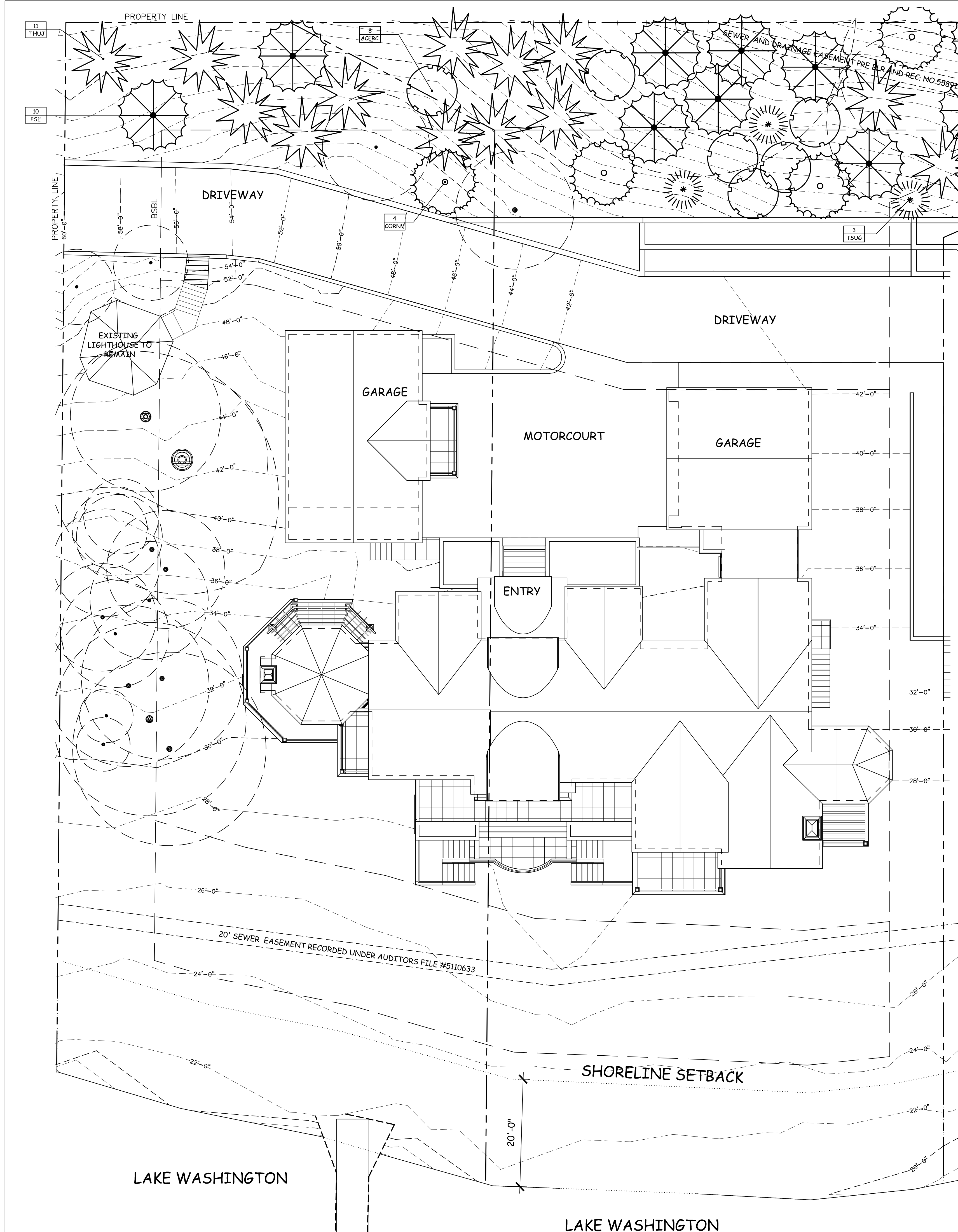
3675 West Mercer Way Lots One and Two
February 26, 2018

TREE NUMBER	TREE TYPE	CALIPER INCHES MULTI-TRUNK SHOWN WITH COMMA	NOTE/ REPLACEMENT TREE QUANTITY per 19.10 11/17
101	ASH	11,12	2:1
102	BITTER CHERRY	12,13	2:1
103	MAPLE	8,5	0
105	LAUREL	8,5,4	Not a tree
107	MAPLE	15,11	6:1
108	MAPLE	15,11,8	2:1
109	MAPLE	5,5,3	2:1
110	CEDAR	5	0
122	CEDAR	9	0
123	Paper birch	8	0
124	HEMLOCK	10	2:1
142	birch	14	2:1
143	CEDAR	5	0
144	CEDAR	11	2:1
160	FIR	22	2:1
162	FIR	35	6:1
163	FIR	36	6:1
164	FIR	28	6:1
		Total trees required:	40
		Total trees provided:	49

TOTAL NUMBER OF TREES TO BE REPLACED: 12 WITH A MINIMUM 40 NEW TREES.
NUMBER OF TREES PROVIDED: 49

TREE REMOVAL PLAN
SCALE: 1" = 10'-0"





REPLACEMENT TREE PLANTINGS LOTS 1 AND 2

MINIMUM NUMBER OF REPLACEMENT TREES REQUIRED: 40, PROVIDED 49

QUAN.	SYMBOL	PLANT NAME	SIZE/SPACING
8	ACERC	ACER CIRCINATUM/ VINE MAPLE	6' MULTI-TRUNKED @ Nursery Trees.com Snahomish
4	CORNV	CORNUS NUTALLII	1.5" CALIPER
18	PSE	PSEUDOTSUGA MENZELISII/ DOUGLAS FIR	5-6' B/B
16	THUJ	THUJA PLICATA/ WESTERN RED CEDAR	1-2' B/B
3	TSUGA	TSUGA HETEROPHYLLA/ LOWLAND HEMLOCK	4-5' B/B

KEN LARGE
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E-mail: kll@comcast.net
FAX: 425-898-8923



OGDEN POINT
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MERCER ISLAND, WASHINGTON

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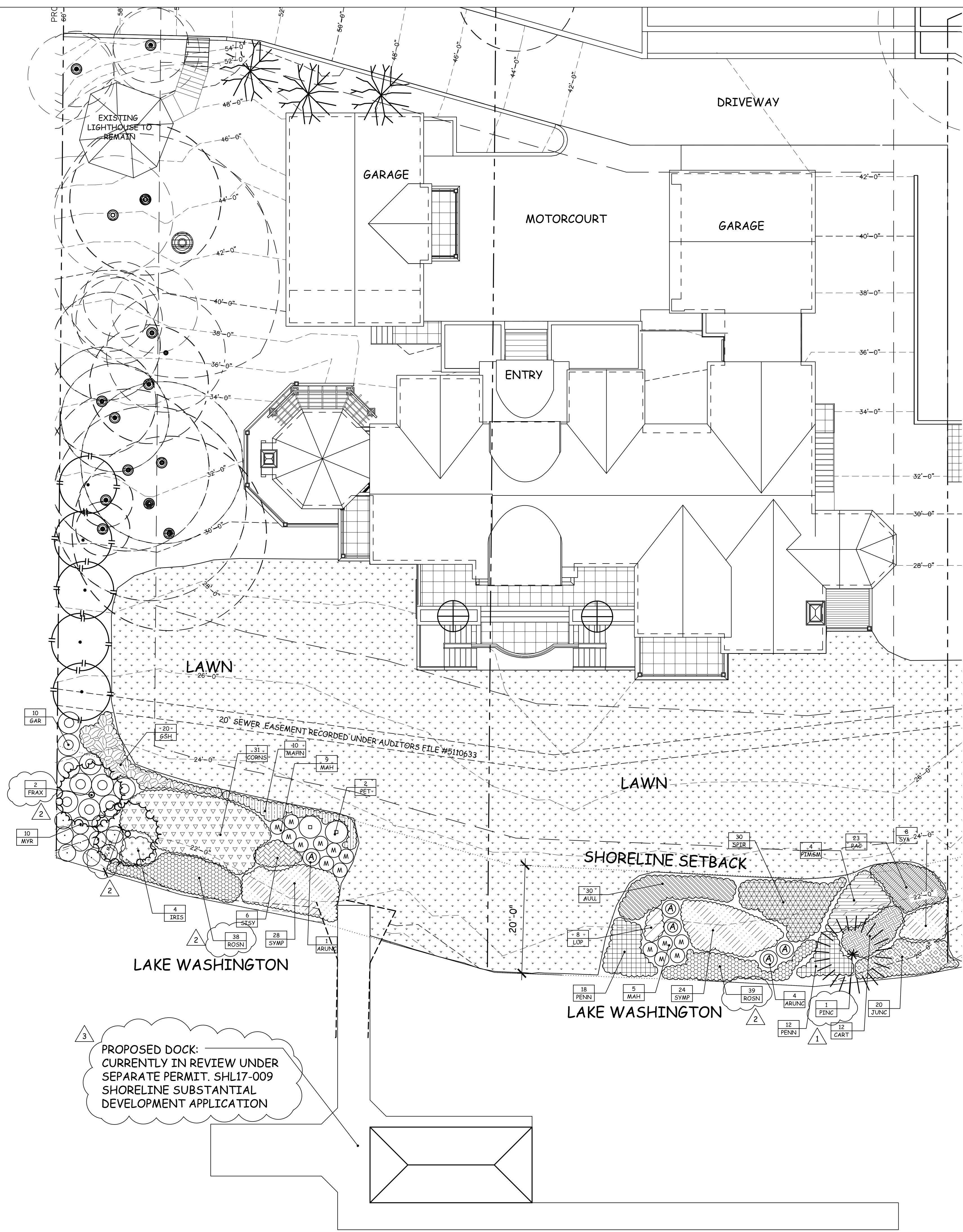
SHEET TITLE:
TREE REPLACEMENT PLAN
LOTS 1&2
PERMIT SET

SHEET NUMBER:
L-2.0

NORTH

1
L-2.0

TREE REPLACEMENT PLAN
SCALE: 1" = 10'-0"



SHORELINE PLANT LIST

April 10, 2017 October 21, 2017 *INDICATES NATIVE PLANT

QUAN	SYMBOL	PLANT NAME	SIZE SPACING COMMENT
5	ARNUC*	ARUNCUS DIOICUS/ GOATSBEARD	1 GALLON CAN 18" TRI SP
30	AUU*	ARCTOSTAPHYLOS UVA URSTI	1 GALLON CAN 24" TRI SP
77	ROSN*	ROSA NUTKANANA/ NOOTKA ROSE	1 GALLON CAN, 12-15" BARE ROOT IF IN WINTER
12	CART	CEANOTHUS PROSTRATUS/ MAHALA MAT	ONE GALLON, 18" tri spacing
31	CORN*	CORNUS SERICEA KELSEYI/ DWARF RED OSTER DOGWOOD	2 GALLON CAN
2	FRAX*	FRAXINUS LATIFOLIA/ OREGON ASH	1" CALIPER
10	GAR*	GARRYA ELLIPTICA ISSAQUAHENSIS	1 GALLON CAN
20	GSH*	GAULTHERIA SHALLON SALAL	4" POTS, 18" TRI SP
4	IRIS*	IRIS DOUGLSTIANA	1 GALLON CAN
20	JUNC*	JUNCUS EFFUSES QUARTZ CREEK	QUART
8	LUP*	LUPINUS HYBRID	1 GALLON CAN
14	MAH*	MAHONIA AQUIFOLIUM CHARITY/ CHARITY OREGON GRAPE	5 GAL. CAN, 18" HEIGHT, 3' TRI. SPACING
10	MAHN*	MAHONIA NERVOSA/ LONGLEAF OREGON GRAPE	1 GALLON CAN, 24" tri sp.
10	MVR*	MYRICA GALE/SWEET GALE	1 GALLON CAN 24" TRI SP
23	PAC*	PACHISTIMA MYRSINITES/ OREGON BOXWOOD	1 GALLON CAN 24" TRI SP
30	PENN*	PENSTOMEN SERRULATUS / CASCADE PENSTEMON	1 GALLON CAN
2	PET*	PETASITES PALMATUS/ COLTSFOOT	1 GALLON CAN
1	PINC*	PINUS CONTORTA VAR. CONTORTA/ SHORE PINE	5-6" B/B
4	PINSM	PINUS MUGO SLOWMOUND	5 GALLON CAN
6	SISY*	SISYRINCHIUM IDAHOENSE/ WESTERN BLUE EYE GRASS	1 GALLON
30	SPIR*	SPIRAEA SPLENDENS	1 GALLON CAN
60	SYMP*	SYMPHITOCARPUS ALBUS SNOWBERRY	1 GAL. CAN, 18" HEIGHT 30" TRI SP

PROPOSED DOCK:
CURRENTLY IN REVIEW UNDER
SEPARATE PERMIT. SHL17-009
SHORELINE SUBSTANTIAL
DEVELOPMENT APPLICATION

KEN LARGE
Landscape Architect
21803 NE 17th Court
Sammamish, Wa. 98074
Office: 425-836-4578, Cell: 206-396-7617
E-mail: kila@comcast.net
FAX: 425-898-8923



OGDEN POINT
3675 W. MERCER WAY
MERCER ISLAND, WASHINGTON

JOB NUMBER: _____
DRAWN: _____ **KEL**
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SHEET TITLE:
**SHORELINE
PLANTING
PLAN
LOTS 1 & 2
PERMIT SET**

SHEET NUMBER:

L-3.0

SHORELINE PLANTING
SCALE: 1" = 10'-0"