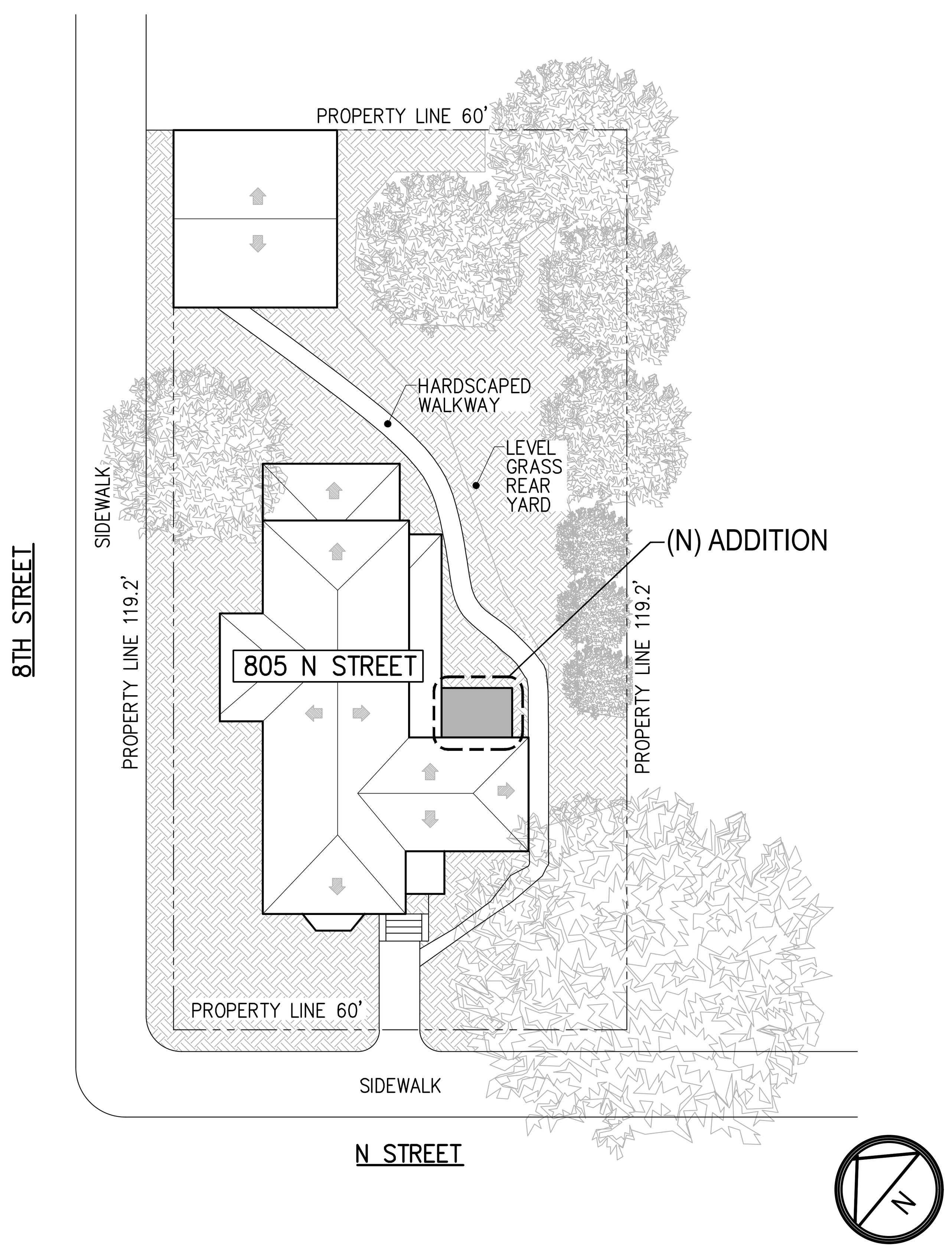
ADDITION TO:
805 N STREET
EUREKA, CA

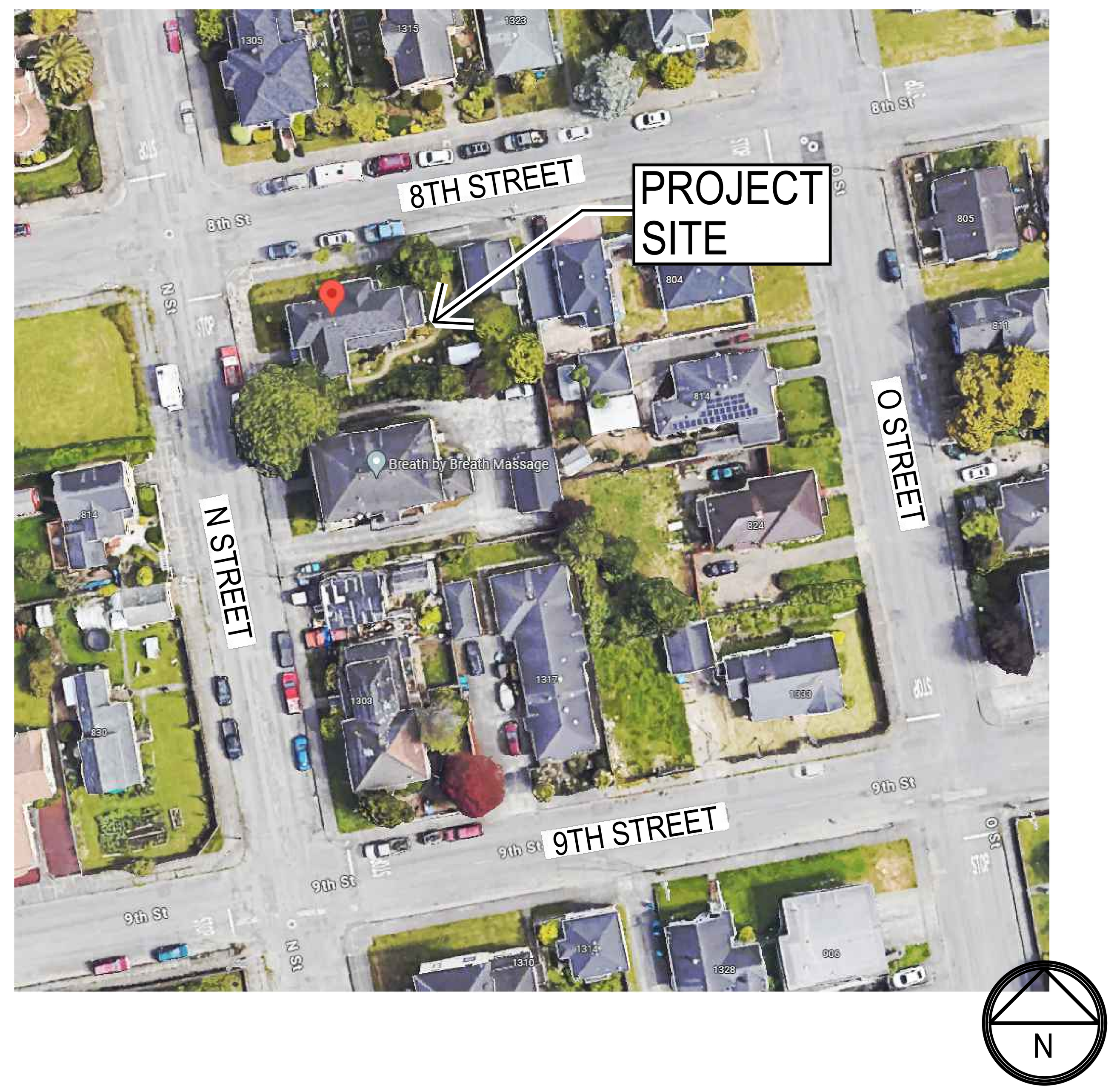
ABBREVIATIONS

@	AT	N.T.S.	NOT TO SCALE
A.B.	ANCHOR BOLT	O.C.	ON CENTER
ARCH.	ARCHITECT,	O.F.	OUTSIDE FACE
ATS	ANCHOR TIEDOWN SYSTEM	OPNG'S	OPENINGS
BLDG.	BUILDING	P.A.F.	POWDER ACTUATED FASTENER
B.O.F.	BOTTOM OF FOOTING	PL	PLATE
BM. (S)	BEAM (S)	PLY	PLYWOOD
CL	CENTER LINE	PLYWD.	PLYWOOD
CLR.	CLEAR	PTC	PITCH
COL.	COLUMN	RDWD.	REDWOOD
CONC.	CONCRETE	REINF.	REINFORCING
CONN.	CONNECTION	REF.	REFERENCE
CONT.	CONTINUOUS	REQ'D	REQUIRED
CONSTR.	CONSTRUCTION	RET.	RETAINING
DBL.	DOUBLE	S.A.D.	SEE ARCH. DRAWINGS
DIA.	DIAMETER	SIM.	SIMILAR
DIMS.	DIMENSIONS	STAGR'D	STAGGERED
(E)	EXISTING	STL.	STEEL
E.W.	EACH WAY	SYM.	SYMMETRICAL
E.A.	EACH	T.O.	TOP OF
E.E.	EACH END	T.O.C.	TOP OF CONCRETE
E.F.	EACH FACE	T.O.S.	TOP OF STEEL
ELEV.	ELEVATOR	THRD'D	THREADED
EMBED.	EMBEDMENT	TR	TRANSITION
EXT.	EXTERIOR	TYP.	TYPICAL
FDN.(S)	FOUNDATIONS (S)	U.O.N.	UNLESS OTHERWISE NOTED
F.F.	FAR FACE	VERT.	VERTICAL
FLR.	FLOOR	V.I.F.	VERIFY IN FIELD
FTG.	FOOTING	w/	WITH
FRM'G	FRAMING	w/o	WITHOUT
HORIZ.	HORIZONTAL	WD.	WOOD
INT.	INTERIOR	W.R.T.	WITH RESPECT TO
I.F.	INSIDE FACE		
LTH.	LENGTH		
MAX.	MAXIMUM		
MIN.	MINIMUM		
N.F.	NEAR FACE		

SITE PLAN



PROJECT LOCATION



SCOPE OF WORK

VOLUNTARY STRENGTHENING OF EXISTING CANTILEVERED DECKS.

APPLICABLE CODES

2022 CALIFORNIA BUILDING CODE w/EUREKA BUILDING CODE AMENDMENTS

PROJECT TEAM

STRUCTURAL
DOLMEN CONSULTING ENGINEERS
2595 MISSION STREET
SAN FRANCISCO, CA 94110
(415) 409-9200

DRAWING LIST

PROJECT DATA

LOT/LOCATION:	805 N STREET EUREKA, CA BLOCK NO. / LOT: 244/ 1	NUMBER OF STORIES: 1-STORY OCCUPANCY: R-2 CONSTRUCTION TYPE V

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY THAT (E) CONDITIONS ARE AS INDICATED ON THE DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY OF VARIATIONS OR DISCREPANCIES. DO NOT PROCEED WITH AFFECTED WORK UNTIL THE VARIATIONS OR DISCREPANCIES ARE RESOLVED BY THE ARCHITECT.

B. ALL CONSTRUCTION AND INSTALLATION WORK SHOWN ON DRAWINGS SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES. USE METHODS AS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF ALL PREVAILING LAWS AND CODES.

C. DO NOT SCALE DRAWINGS: USE DIMENSIONS SHOWN. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. DIMENSIONS SHOWN AT (E) CONDITIONS ARE TO FACE OF (E) FINISH. U.O.N. DIMENSIONS AT NEW WORK ARE TO FACE OF FRAMING, U.O.N. DIMENSIONS OF (E) CONDITIONS ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. WHERE NO DIMENSION IS PROVIDED CONSULT WITH THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH AFFECTED WORK.

D. SAFETY MEASURES: AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF PEOPLE AND PROPERTY. ARCHITECT SITE VISITS ARE NOT INTENDED TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

E. INSTALL MANUFACTURED MATERIALS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS, UNLESS OTHERWISE INSTRUCTED.

F. ALL WASTE AND REFUSE CAUSED IN CONNECTION WITH THE WORK SHALL BE REMOVED FROM THE PREMISES AND DISPOSED OF BY THE CONTRACTOR. THE PREMISES SHALL BE LEFT CLEAR AND CLEAN TO THE SATISFACTION OF THE ARCHITECT.

G. APPLICATION OF FINISH: SURFACES PREVIOUSLY PREPARED OR INSTALLED BY ANOTHER TRADE SHALL BE INSPECTED CAREFULLY BY THE CONTRACTOR BEFORE APPLYING SUBSEQUENT MATERIALS OR FINISHES. IF SURFACES ARE NOT ACCEPTABLE, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IN ORDER THAT CORRECTIONS MAY BE MADE. APPLICATIONS OF FINISHES WILL BE CONSTRUED AS ACCEPTANCE OF RESPONSIBILITY BY THE SUBCONTRACTOR FOR THE BASE UPON WHICH IT IS APPLIED.

H. INSTALL ALL WORK PLUMB, LEVEL AND STRAIGHT, OR AS REQUIRED TO ALIGN WITH (E) ADJACENT SURFACES.

I. CONTRACTOR SHALL DESIGN AND INSTALL SHORING AS REQUIRED TO PERFORM WORK. RESPONSIBILITY FOR ENGINEERING, CONSTRUCTION AND SAFETY OF THE SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

J. CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH WORK.

K. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.

L. THE CONTRACTOR MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SUBMITTED TO THE ARCHITECT FOR REVIEW DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED ON THE SUBMITTAL THAT SPECIFIC CHANGES ARE BEING REQUESTED WITH THE PHRASE "REQUESTED CHANGE".

M. FINAL AS BUILT RECORD DOCUMENTS SHOWING ALL REVISIONS INCORPORATED DURING CONSTRUCTION, SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO PROJECT CLOSE-OUT.

N. THROUGHOUT THE CONSTRUCTION DOCUMENTS, ITEMS THAT ARE EXISTING ARE INDICATED AS "EXISTING" OR "(E)", ITEMS WITHOUT THIS INDICATION ARE NEW CONSTRUCTION. WHERE REQUIRED FOR PURPOSES OF CLARITY, SOME ITEMS MAY BE INDICATED AS "NEW OR "(N)".

FIRE SAFETY NOTES

A. ALL EXITS TO BE MAINTAINED DURING & AFTER CONSTRUCTION.

B. ALL FIRE RATINGS TO BE RESTORED AFTER CONSTRUCTION.

C. ALL PENETRATIONS TO BE REPAIRED.

D. MUST MAINTAIN EXISTING FIRE LIFE SAFETY SYSTEMS DURING CONSTRUCTION.

DATE	ISSUE
03/15/24	FOR PERMIT

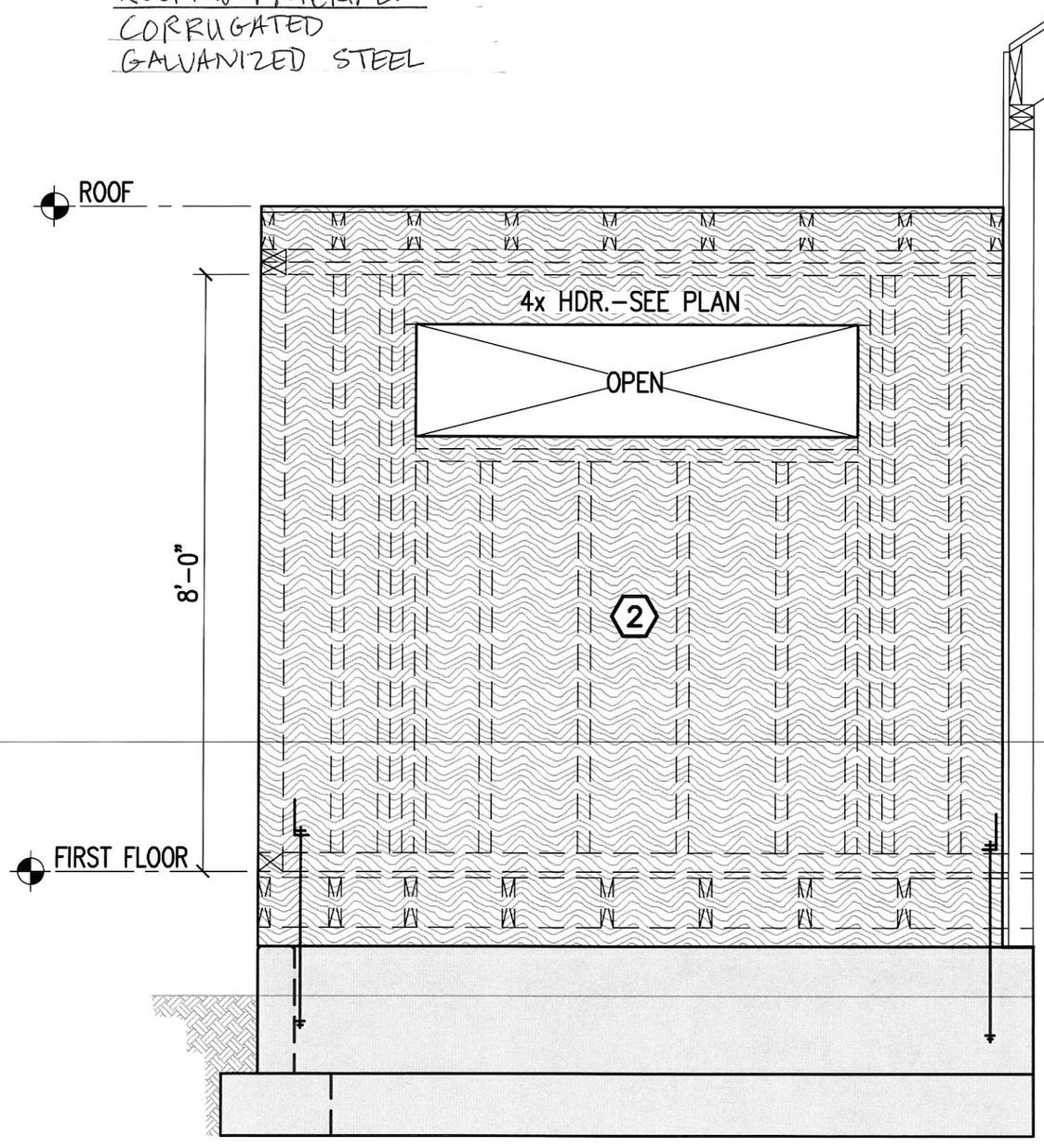
DOLMEN
Consulting Engineers Inc.
2595 Mission St., Suite 200
San Francisco, CA 94110
Voice 415.409.9200
www.dolmen-engineers.net

ADDITION TO:
805 N STREET
EUREKA, CA

TITLE SHEET

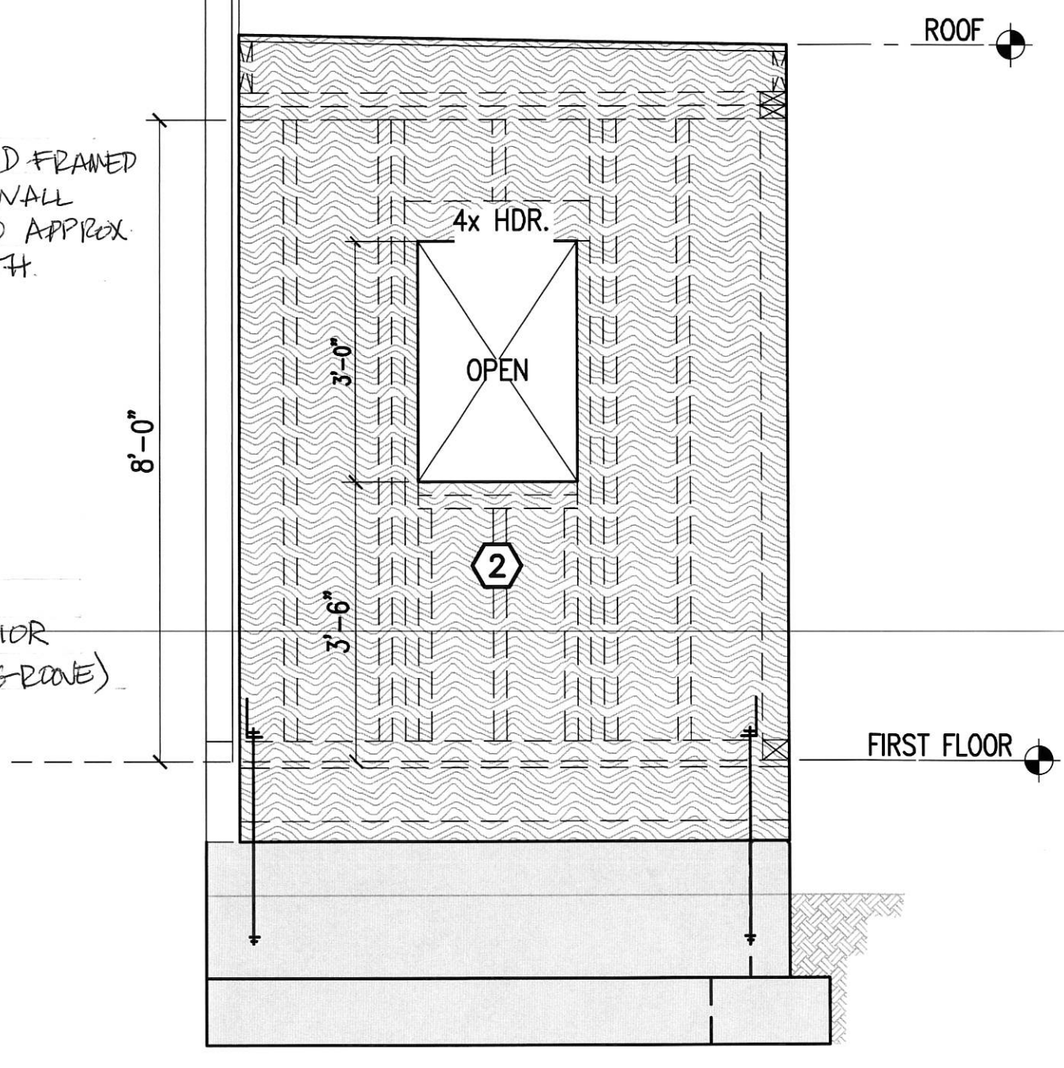
Date	
Design	
Job	2414
Sheet	T1

ROOFING MATERIAL:
CORRUGATED
GALVANIZED STEEL



WINDOWS:
RE-CLAIMED WOOD FRAMED WINDOWS EAST WALL ONE OR TWO TO APPROX. 6 ft IN LENGTH.

SIDING:
T-1-11 EXTERIOR PLYWOOD (NO GROOVE)



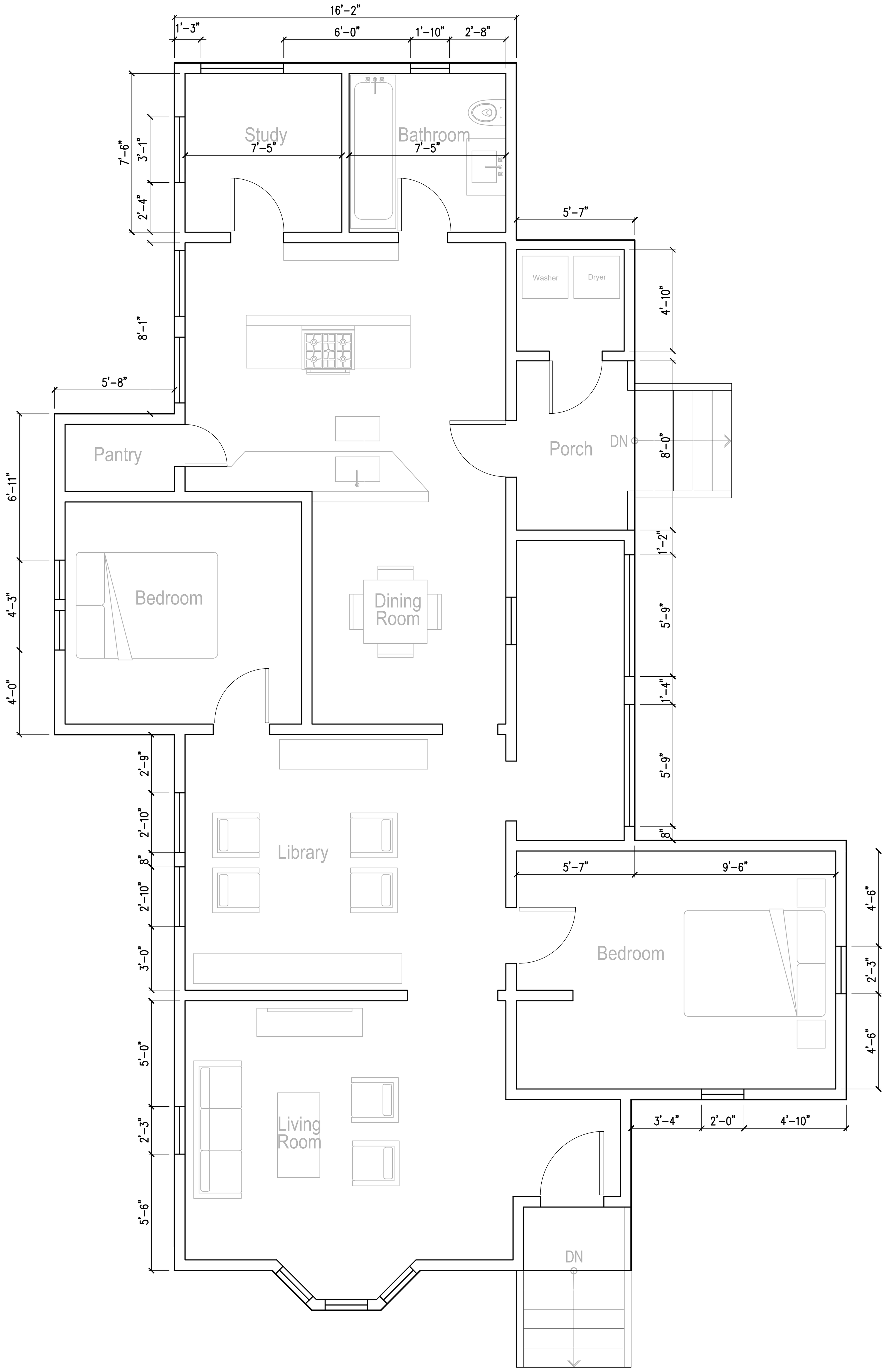
EAST WALL ELEVATION 4
SCALE: 3/8"=1'–0"

SOUTH WALL ELEVATION 5
SCALE: 3/8"=1'–0"

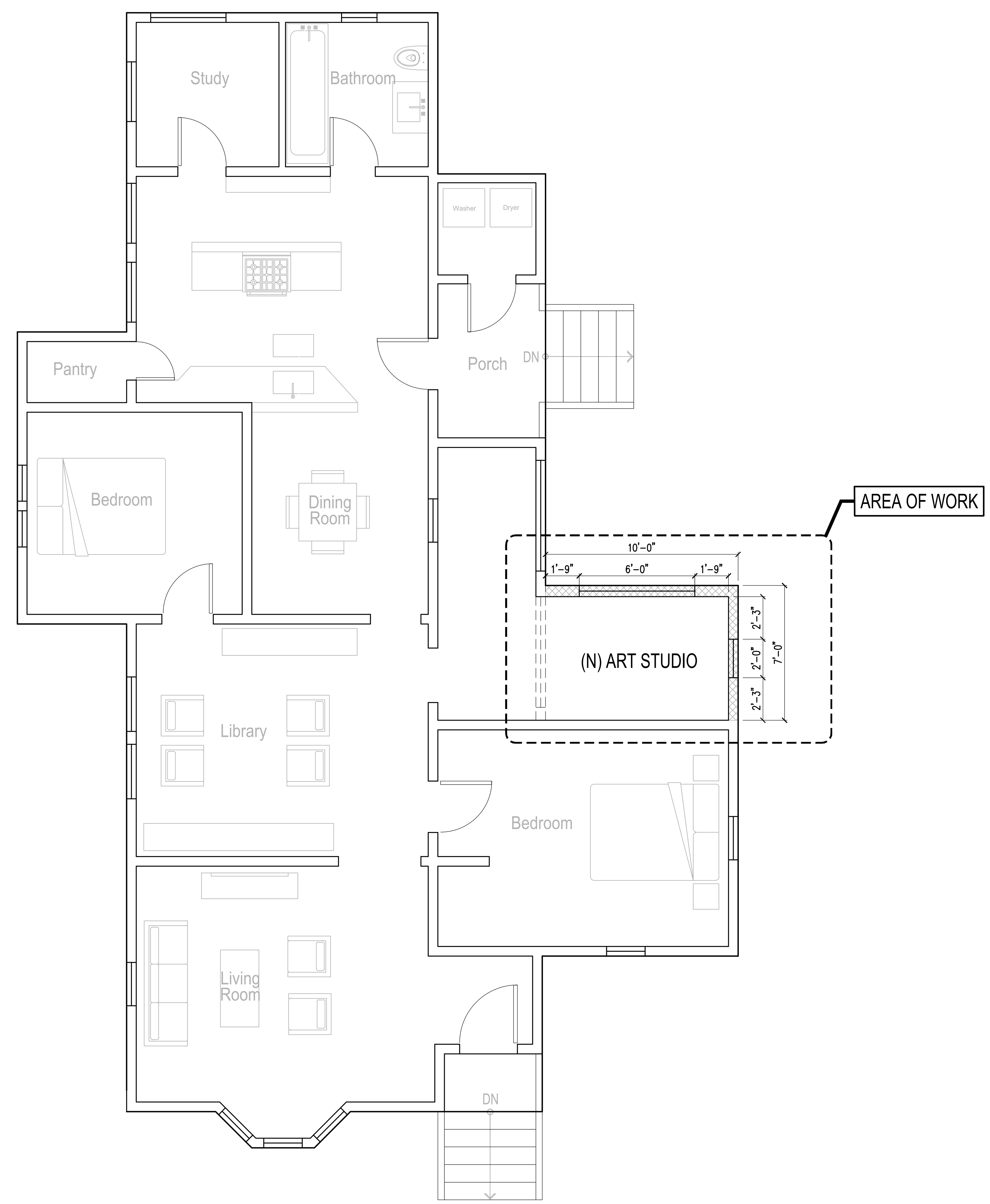
DATE	ISSUE
03/15/24	FOR PERMIT

LEGEND

SYMBOL	INDICATES
(hatched double line)	(N) 2x4@16" DF-NO.2 INT. WALL TYP (N) 2x4@16" DF-NO.2 EXT. WALL TYP
(double line)	(E) 2x4@16" DF-NO.2 INT. WALL TYP (E) 2x4@16" DF-NO.2 EXT. WALL TYP
(dashed double line)	(E) WALLS TO BE REMOVED ON THIS LEVEL



EXISTING FIRST FLOOR PLAN 1
SCALE: 1/4"=1'-0"



PROPOSED FIRST FLOOR PLAN 2
SCALE: 1/4"=1'-0"

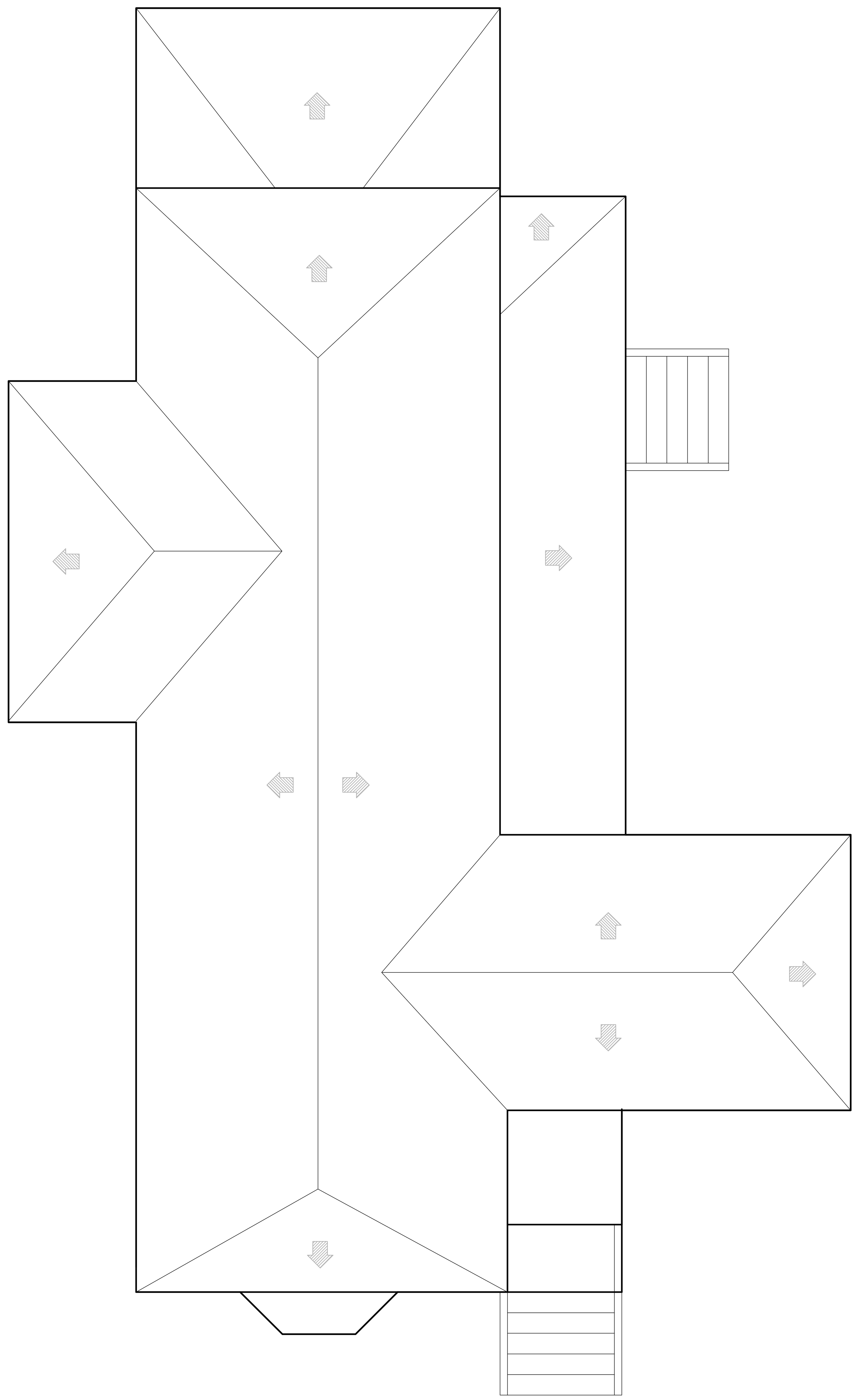
REGISTERED PROFESSIONAL ENGINEER
DIARMUID H. MACNEILL
No. C56739
EXP: 6/30/25
CIVIL
STATE OF CALIFORNIA

DOLMEN
Consulting Engineers Inc.
2595 Mission St., Suite 200
San Francisco, CA 94110
Voice 415.409.9200
www.dolmen-engineers.net

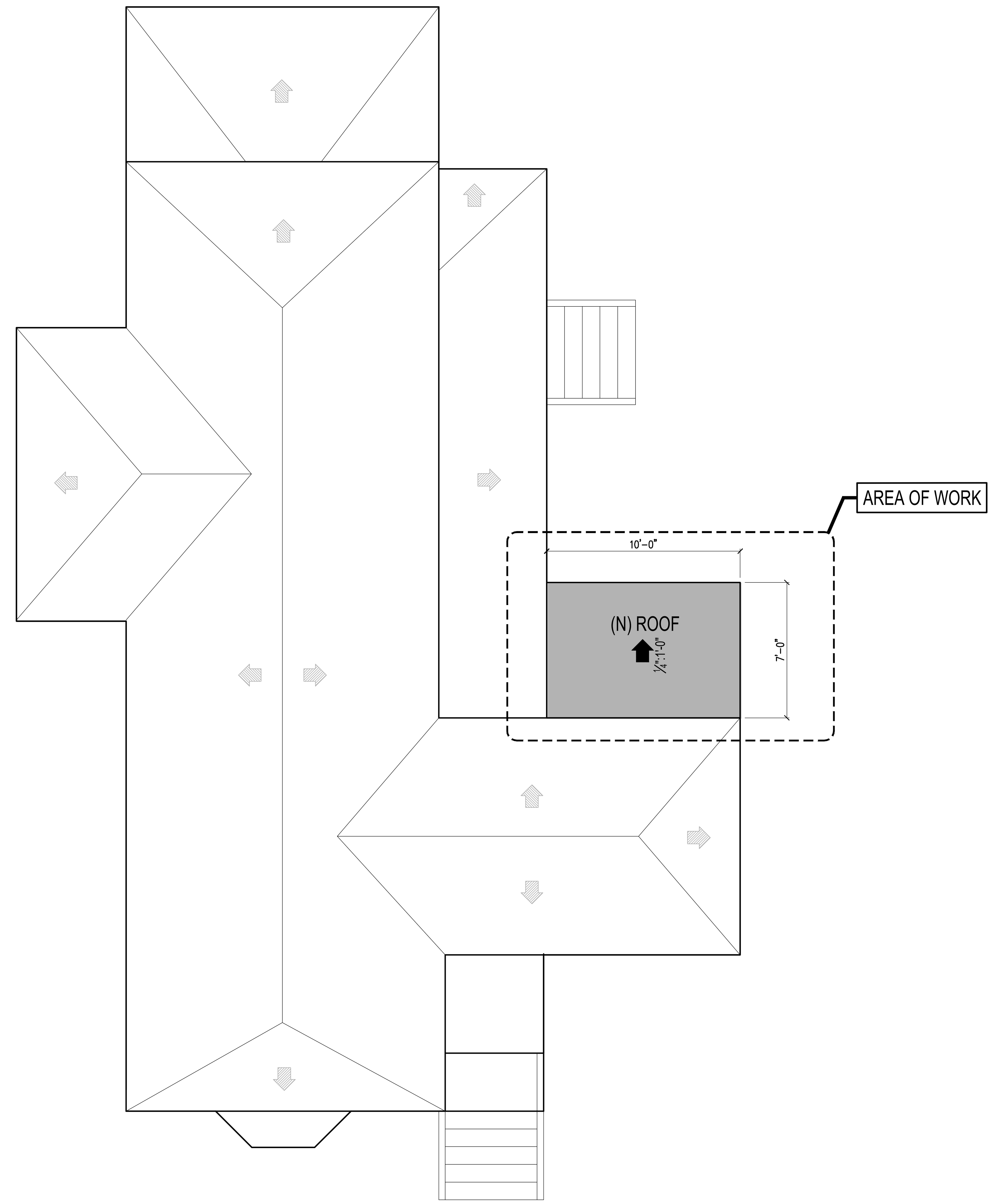
ADDITION TO:
805 N STREET
EUREKA, CA

EXISTING & PROPOSED
FIRST FLOOR PLANS

Date	
Design	
Job	2414
Sheet	A1



EXISTING ROOF PLAN 1
SCALE: 1/4"=1'-0"



PROPOSED ROOF PLAN 2
SCALE: 1/4"=1'-0"

DATE	ISSUE
03/15/24	FOR PERMIT

DOLMEN
Consulting Engineers Inc.
2595 Mission St., Suite 200
San Francisco, CA 94110
Voice 415.409.9200
www.dolmen-engineers.net

ADDITION TO:
805 N STREET
EUREKA, CA

EXISTING & PROPOSED ROOF PLANS

Date	
Design	
Job	2414
Sheet	A2

STRUCTURAL NOTES

1. GENERAL

A. THESE NOTES APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED OR SPECIFIED.

B. VERIFY ALL EXISTING CONDITIONS AND PROPOSED DIMENSIONS AT PROJECT SITE. COMPARE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER DISCIPLINE DRAWINGS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND DO NOT PROCEED WITH AFFECTED WORK UNTIL THEY ARE RESOLVED. DO NOT SCALE DRAWINGS.

C. UNLESS OTHERWISE SHOWN OR NOTED ALL TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE. ALL DETAILS SHALL BE CONSIDERED TYPICAL AT SIMILAR CONDITIONS.

D. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING THE SAFETY OF PERSONS AND PROPERTY, AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEW OF THESE CONDITIONS. THE ENGINEER'S JOB SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONRACTOR'S SAFETY MEASURES.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ALL DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

2. TESTS AND INSPECTIONS

A. PROVIDE TESTS AND INSPECTIONS FOR ALL ITEMS AS REQUIRED BY THE CALIFORNIA BUILDING CODE, 2022 EDITION, SECTION 1704 & 1705.

B. THE OWNER SHALL BE RESPONSIBLE FOR RETAINING AN INDEPENDENT TESTING LAB TO PERFORM ALL REQUIRED TESTING AND INSPECTIONS.

C. IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE SECTION 1705, THE FOLLOWING SPECIFIC ITEMS SHALL BE INSPECTED AND/OR TESTED BY THE TESTING LAB:

1. PLACEMENT OF REINFORCING
2. PLACEMENT OF CONCRETE
3. PLACEMENT OF HOLDOWNS & ANCHOR BOLTS.
4. CONCRETE SLUMP/STRENGTH
5. PULL-TEST ON EPOXIED ANCHOR BOLTS (FOR SIMPSON HOLDOWNS)

D. IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE SECTION 1704 & 1705, THE FOLLOWING SPECIFIC ITEMS SHALL BE INSPECTED BY THE ENGINEER OF RECORD:

1. PLACEMENT OF REINFORCEMENT
2. PLACEMENT OF HOLDOWNS AND ANCHOR BOLTS
3. NAILING OF PLYWOOD DIAPHRAGMS
4. ROUGH FRAMING

E. OBSERVED DEFICIENCIES SHALL BE REPORTED TO THE OWNER, THE SPECIAL INSPECTOR, THE CONTRACTOR AND THE BUILDING OFFICIAL.

PRIOR TO FINAL INSPECTION, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT HAVE NOT BEEN RESOLVED.

F. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS PRIOR TO TIME OF INSPECTION

3. DESIGN BASIS

A. CONSTRUCT IN ACCORDANCE WITH THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE AND ALL OTHER APPLICABLE LOCAL ORDINANCES.

1. LIVE LOADS(PSF)	ROOF: 20PSF FLOOR: 40PSF
2. DEAD LOADS(PSF)	ROOF: 15 PSF FLOOR: 13 PSF
2. WIND LOADS	92 MPH BASIC WIND SPEED EXPOSURE "B"
3. WOOD SHEARWALL	R=6.5, Ω=2.5, Cd=4

4. FOUNDATIONS

A. EXCEPT WHERE OTHERWISE SHOWN EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. ALL FOUNDATIONS SHALL BE POURED WITHOUT THE USE OF SIDE FORMS WHEREVER POSSIBLE. IF THE TRENCHES CANNOT STAND, FULLY FORM SIDES TO DIMENSIONS SHOWN.

B. DO NOT ALLOW WATER TO STAND IN TRENCHES. IF BOTTOMS OF TRENCHES BECOME SOFTENED DUE TO RAIN OR OTHER WATER BEFORE CONCRETE IS CAST, EXCAVATE SOFTENED MATERIAL AND REPLACE WITH PROPERLY COMPACTED BACKFILL OR CONCRETE AT NO COST TO THE OWNER.

C. ALL EXCAVATIONS, FORMS AND REINFORCING ARE TO BE INSPECTED BY THE LOCAL BUILDING INSPECTOR AND ENGINEER PRIOR TO PLACING CONCRETE.

5. CONCRETE

A. REINFORCE ALL CONCRETE, INSTALL ALL INSERTS, BOLTS, ANCHORS AND REINFORCING AND SECURELY TIE PRIOR TO PLACING CONCRETE.

B. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT.

C. CONCRETE SHALL BE HARDROCK CONCRETE AND SHALL ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI.

E. MAXIMUM SLUMP SHALL BE 4 INCHES UNLESS AN APPROVED WATER REDUCING AGENT HAS BEEN ADDED.

F. MAXIMUM AGGREGATE SIZE IS 1-1/2 INCHES.

G. CONCRETE SHALL BE CONTINUOUSLY CURED FOR 10 DAYS AFTER PLACING IN ANY APPROVED MANNER, INCLUDING CURING COMPOUND, CURING PAPER, ETC. FOOTINGS ARE EXEMPTED FROM THIS REQUIREMENT.

6. REINFORCING STEEL

A. ALL REINFORCING STEEL BARS SHALL CONFORM WITH THE STANDARD SPECIFICATIONS FOR DEFORMED BILLET-STEEL FOR CONCRETE REINFORCEMENT, ASTM DESIGNATION A615-68, ALL BARS SHALL BE GRADE 60.

B. SUITABLE DEVICES OF SOME STANDARD MANUFACTURE SHALL BE USED TO HOLD REINFORCEMENT IN ITS' TRUE POSITION. THESE DEVICES SHALL BE SUFFICIENTLY RIGID AND NUMEROUS TO PREVENT DISPLACEMENT OF THE REINFORCEMENT DURING PLACING OF CONCRETE.

C. LAP SPLICE ALL BARS A MINIMUM OF 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED.

D. UNLESS NOTED OTHERWISE, MAINTAIN COVERAGE TO FACE OF BARS AS FOLLOWS:

1. 3 INCHES WHERE CONCRETE IS PLACED AGAINST EARTH EXCEPT SLAB-ON-GRADE.
2. 2 INCHES WHERE CONCRETE IS EXPOSED TO EARTH BUT FORMED.
3. 1-1/2 INCHES FOR BEAMS, COLUMNS AND EXTERIOR SURFACES.
4. 3/4 INCH FOR INTERIOR SLABS, JOISTS AND WALLS.

7. ROUGH CARPENTRY

A. ALL CONSTRUCTION SHALL COMPLY WITH GENERAL CONSTRUCTION REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE, SECTION 2303.

B. CONVENTIONAL CONSTRUCTION PROVISIONS NOT SPECIFICALLY DETAILED ON THE PLANS SHALL BE IN COMPLIANCE WITH CALIFORNIA BUILDING CODE, SECTION 2306.

C. FOR SCHEDULE OF MINIMUM NAILING SEE TABLE 2304.9.1, CALIFORNIA BUILDING CODE. 16d VINYL COATED SINKERS MAY BE SUBSTITUTED FOR 16d BOX OR COMMON NAILS FOR ROUGH FRAMING. SINKERS SHALL NOT BE USED WITH METAL CONNECTORS.

D. SILLS ON CONCRETE SHALL BE PRESSURE-TREATED DOUGLAS FIR. SILLS SHALL BE FASTENED TO THE CONCRETE WITH A MINIMUM OF TWO FASTENERS PER PIECE AND AT LEAST ONE FASTENER WITHIN 9 INCHES FROM EACH END OF EACH PIECE. FASTENERS SHALL BE COMPATIBLE WITH PRESSURE TREATMENT COMPOUNDS.

E. PLACE JOISTS WITH CROWN UP.

F. RETIGHTEN ALL BOLTS PRIOR TO CLOSING IN WALLS.

G. USE GALVANIZED NAILS, BOLTS AND HARDWARE WHERE EXPOSED TO WEATHER AND IN ALL PRESSURE TREATED LUMBER.

H. DOUBLE ALL JOISTS UNDER ALL PARALLEL PARTITIONS.

I. BLOCK ALL JOISTS AT SUPPORTS AND UNDER ALL PARTITIONS WITH FULL DEPTH BLOCKING. BLOCK AND BRIDGE ROOF JOISTS AT 10 FEET AND FLOOR JOISTS AT 8 FEET UNLESS NOTED OTHERWISE.

J. ALL TIMBER FASTENERS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE SIMPSON COMPANY'S STANDARD FASTENERS OR APPROVED EQUAL.

K. PROVIDE MALLEABLE IRON WASHERS FOR ALL BOLTS IN BEARING CONTACT WITH WOOD.

L. BOLT HOLES SHALL NOT BE MORE THAN 1/16 OF AN INCH LARGER THAN THE DIAMETER OF THE BOLT.

8. FRAMING LUMBER

A. ALL FRAMING LUMBER SHALL BE GRADED PER WCLIB GRADING RULES NO.16 AND SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.

B. ALL POSTS AND BEAMS SHALL BE DF GRADE #1 OR TRUS JOIST PARALLEL STRAND LUMBER (2.0 E), UNLESS OTHERWISE APPROVED.

C. ALL FLOOR, ROOF AND CEILING JOISTS OR RAFTERS SHALL BE DF GRADE #1 OR TRUS JOIST TJI 230 PRO.

D. ALL STUDS, HEADERS, PLATES, RIM, ETC. SHALL BE DF GRADE #2 OR TRUS JOIST TIMBERSTRAND, LAMINATED STRAND LUMBER (1.5 E).

E. ALL FRAMING EXPOSED TO WEATHER SHALL BE PRESSURE-TREATED DOUGLAS FIR OR REDWOOD UNLESS OTHERWISE NOTED ON PLANS OR DETAILS.

F. ALL TIMBER PLACED AGAINST BRICK OR CONCRETE SHALL BE PRESSURE TREATED.

G. MINIMUM SILL PLATE BOLTING SHALL BE 5/8"DIA. @4'o.c. MAX, WITHIN 12" OF ENDS, MIN. 2 PER PIECE WITH 7" EMBED.

9. WOOD STRUCTURAL PANEL

A. EACH PANEL SHALL BE IDENTIFIED WITH THE APPROPRIATE GRADE, TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE U.S. PRODUCT STANDARD PS-1.

B. PLYWOOD SHEETS SHALL BE THE THICKNESS SPECIFIED HEREIN OR AS NOTED ON THE DRAWINGS.

C. PLYWOOD SHEETS AT FLOORS AND ROOFS SHALL BE LAID WITH FACE GRAIN PERPENDICULAR TO JOISTS AND RAFTERS.

D. PLYWOOD SHEETS ON WALLS SHALL BE LAID WITH LONG DIMENSION VERTICAL. BLOCK ALL EDGES WITH FULL DEPTH BLOCKING.

E. UNLESS OTHERWISE NOTED ON THE DRAWINGS TYPICAL ROOF PLYWOOD SHALL BE UNBLOCKED 5/8 INCH, 32/16 CDX WITH 10d NAILS @ 6"O.C. @ PANEL EDGES AND 10d NAILS @ 12" O.C. FIELD NAILING. PROVIDE PLYCLIPS BETWEEN JOISTS WHERE EDGES ARE NOT BLOCKED.

F. UNLESS OTHERWISE NOTED ON THE DRAWINGS TYPICAL FLOOR PLYWOOD SHALL BE UNBLOCKED 3/4 INCH, 40/20 T&G CDX WITH 10d NAILS @ 6"O.C. @ PANEL EDGES AND 10d NAILS @ 12" O.C. FIELD NAILING.

G. UNLESS OTHERWISE SPECIFIED IN A SHEARWALL SCHEDULE, TYPICAL SHEARWALL PLYWOOD SHALL BE 1/2 INCH, 24/0 CDX WITH 10d NAILS @ 6"O.C. @ PANEL EDGES AND 10d NAILS @ 12" O.C. FIELD NAILING IN ACCORDANCE WITH SHEARWALL TYPE 1.

10. SIMPSON HOLDOWNS

A. HOLDOWNS PER SIMPSON STRONG TIE, REFER TO MANUFACTURER'S DETAILS AND SPECIFICATIONS.

DATE	ISSUE
03/15/24	FOR PERMIT

REGISTERED PROFESSIONAL ENGINEER DIARMUID H. MACNEILL No. C56739 EXP: 6/30/25 CIVIL STATE OF CALIFORNIA

D O L M E N
Consulting Engineers Inc.
2595 Mission St., Suite 200
San Francisco, CA 94110
Voice 415.409.9200
www.dolmen-engineers.net

ADDITION TO:
805 N STREET
EUREKA, CA

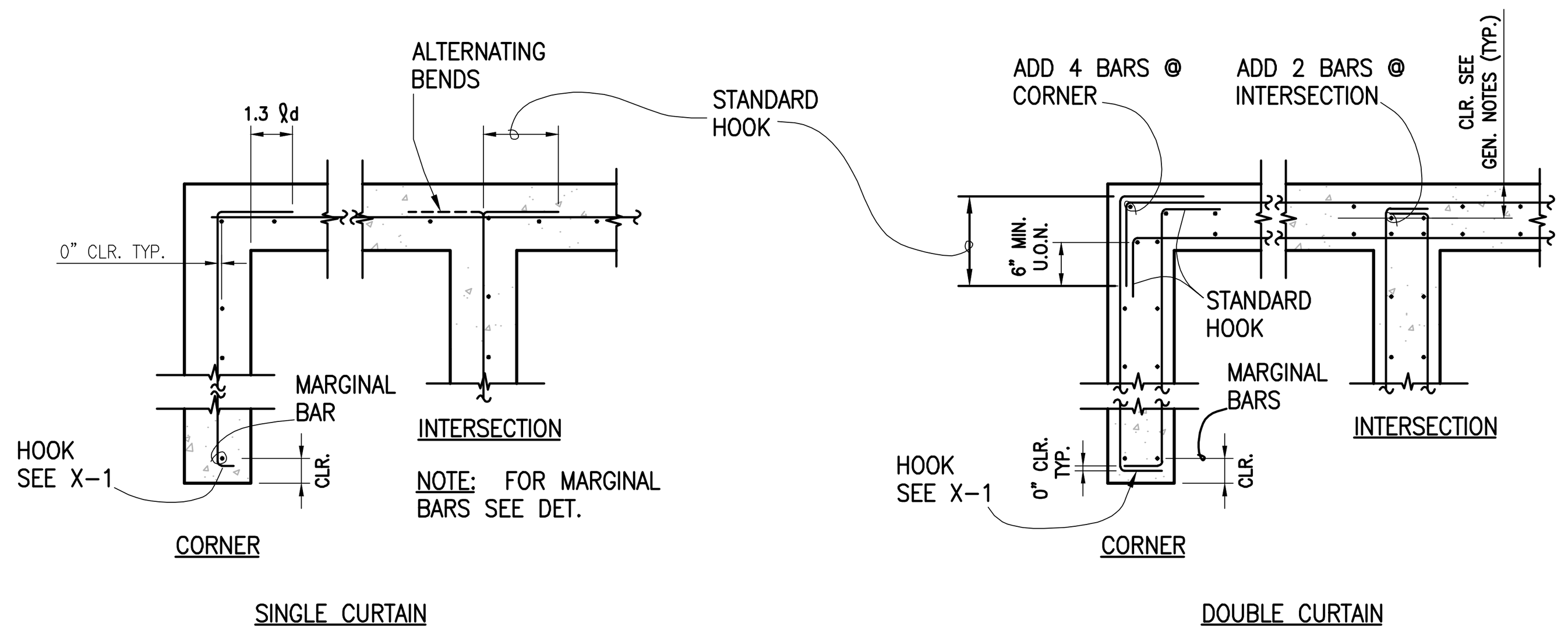
STRUCTURAL GENERAL NOTES

Date

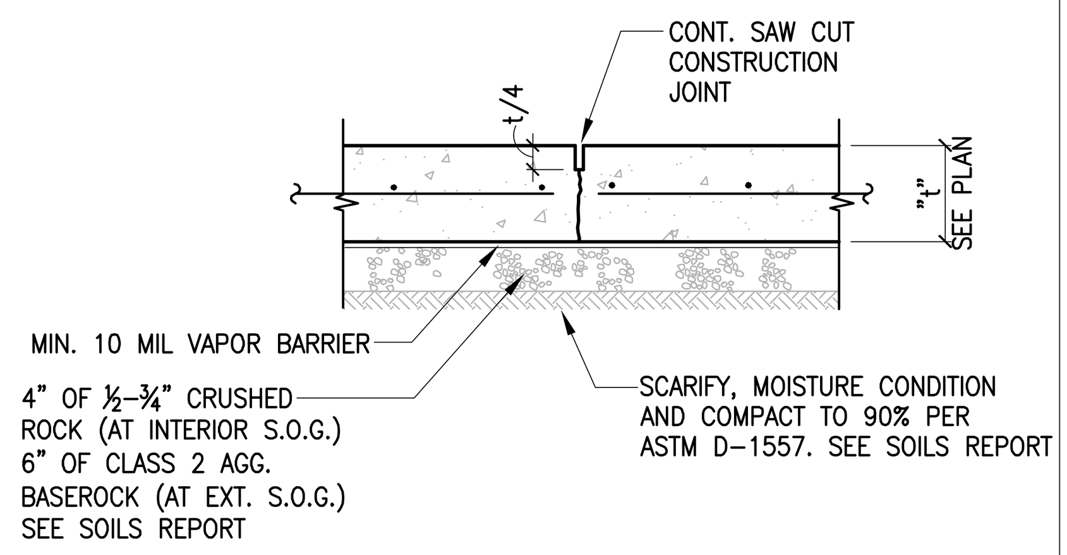
Design

Job 2414

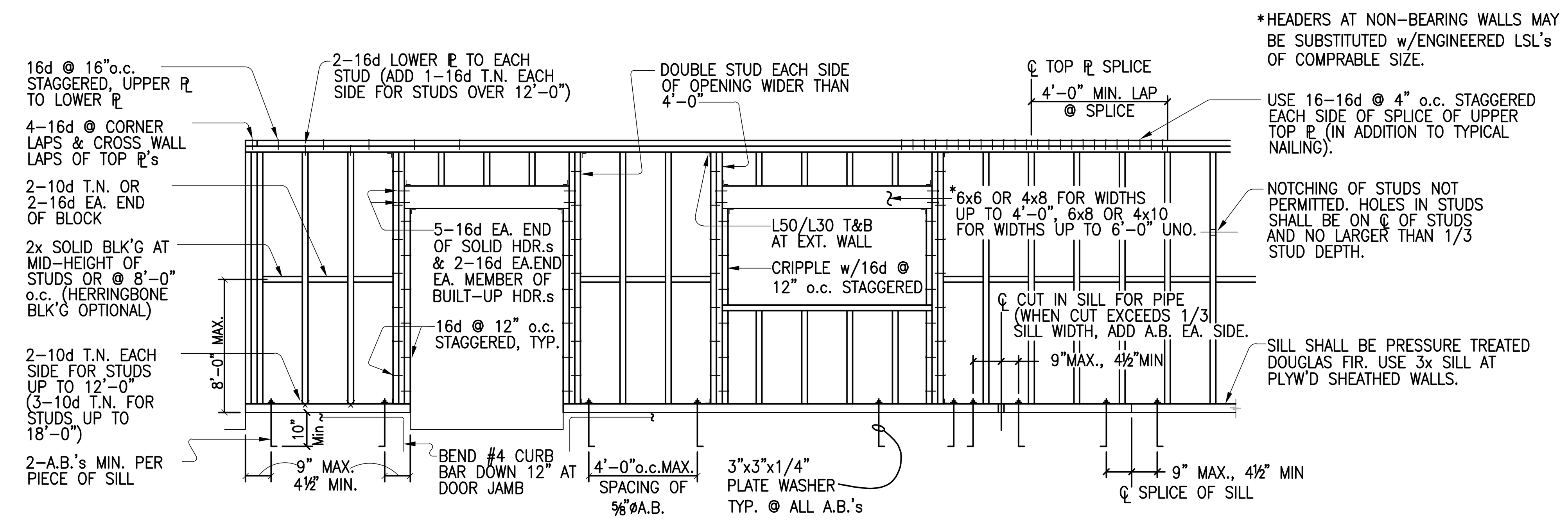
Sheet S1a



CONCRETE WALL INTERSECTIONS

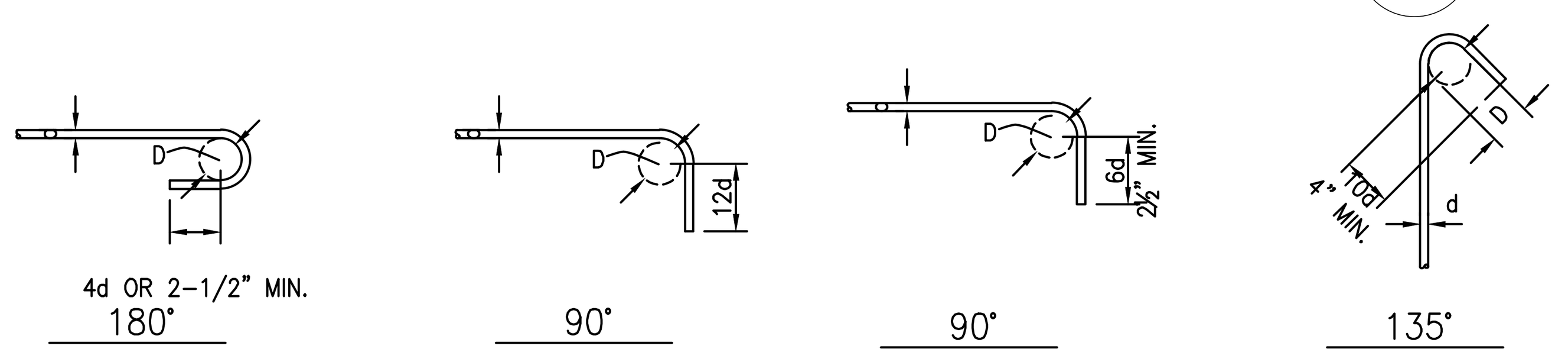


TYPICAL SLAB-ON-GRADE



TYPICAL STUDWALL FRAMING ELEVATION U.O.N.

SCALE: N.T.S.



PRINCIPAL REINFORCEMENT		
BAR GRADE	BAR SIZE	MIN. BEND DIA. 'D'.
ALL GRADES OF REINFORCEMENT	#3 THRU #8	6d
	#9 THRU #11	8d
	#14 THRU #18	10d
GRADE #40*	#3 THRU #11	5d

* FOR 180° BEND ONLY

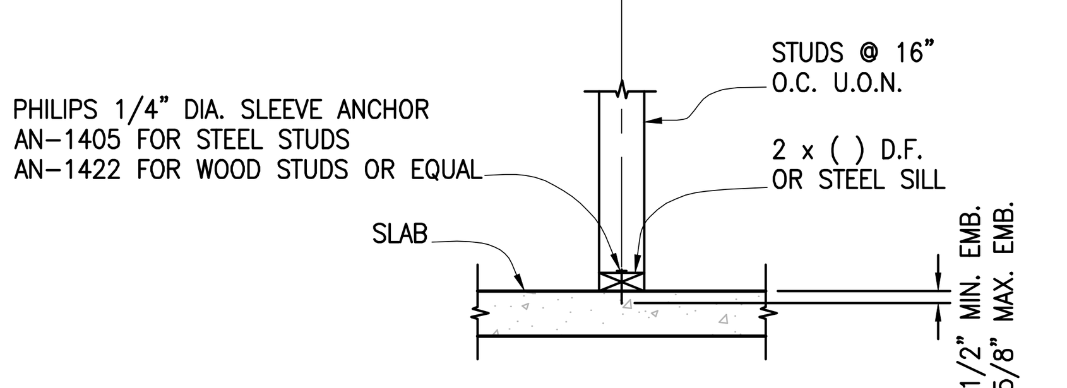
STIRRUPS REINFORCEMENT	
BAR SIZE	MIN. BEND DIA. 'D'.
#3 THRU #5	4d
ALL OTHER BARS	SEE TABLE ABOVE

STANDARD HOOKS

WALL THICKNESS	SINGLE CURTAIN, AT CENTER OF WALL		DOUBLE CURTAIN, ONE AT EACH FACE OF WALL	
	VERT.	HORIZ.	VERT.	HORIZ.
6"	#4 @ 18"	#4 @ 16"		
8"	#4 @ 18"	#4 @ 12"		
10"	#4 @ 16"	#4 @ 10"	#4 @ 18"	#4 @ 18"
12"			#4 @ 18"	#4 @ 16"
14"			#4 @ 18"	#4 @ 14"
16"			#4 @ 18"	#4 @ 12"
18"			#4 @ 18"	#4 @ 10"

CONCRETE WALL REINFORCING

(UNLESS OTHERWISE NOTED)

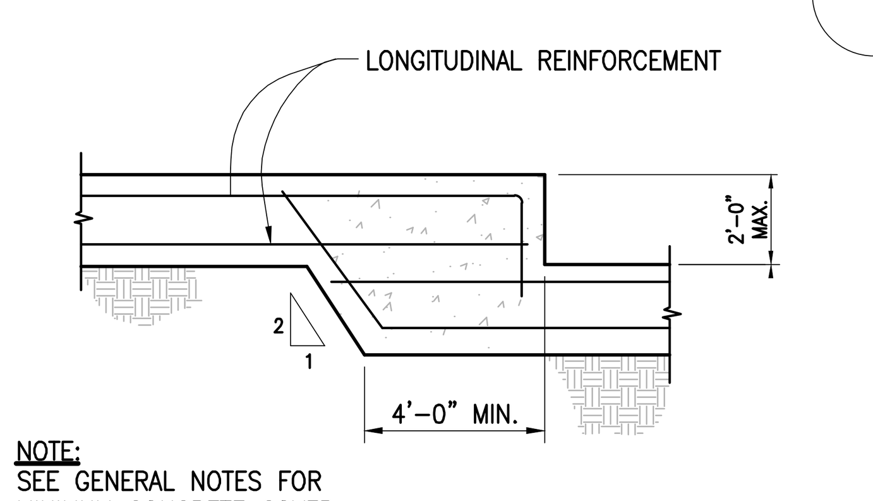


NON-BEARING PARTITIONS

CLASS A DEVELOPMENT LENGTH (ℓd) ,(INCHES)						
BAR SIZE	f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI	
	TOP BARS (1)	BASIC	TOP BARS (1)	BASIC	TOP BARS (1)	BASIC
#3	29	17	25	15	23	13
#4	39	22	34	19	30	17
#5	48	28	42	24	38	22
#6	58	33	50	29	45	26
#7	68	48	59	42	52	38
#8	77	55	67	48	60	43
#9	87	62	75	54	67	48
#10	96	69	83	60	75	54
#11	106	76	92	66	82	59

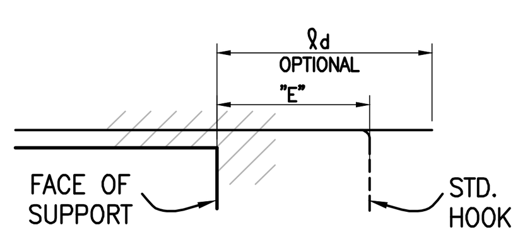
(1). TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
(2). FOR LIGHTWEIGHT CONCRETE USE VALUES TIMES 1.33.
(3). SPLICE ALL BARS WITH CLASS B SPLICES U.N.O.
(4). CLASS B=1.3xCLASS A
(5). STAGGER SPLICES IN ADJACENT WALL CURTAINS.

BAR DEVELOPMENT LENGTH



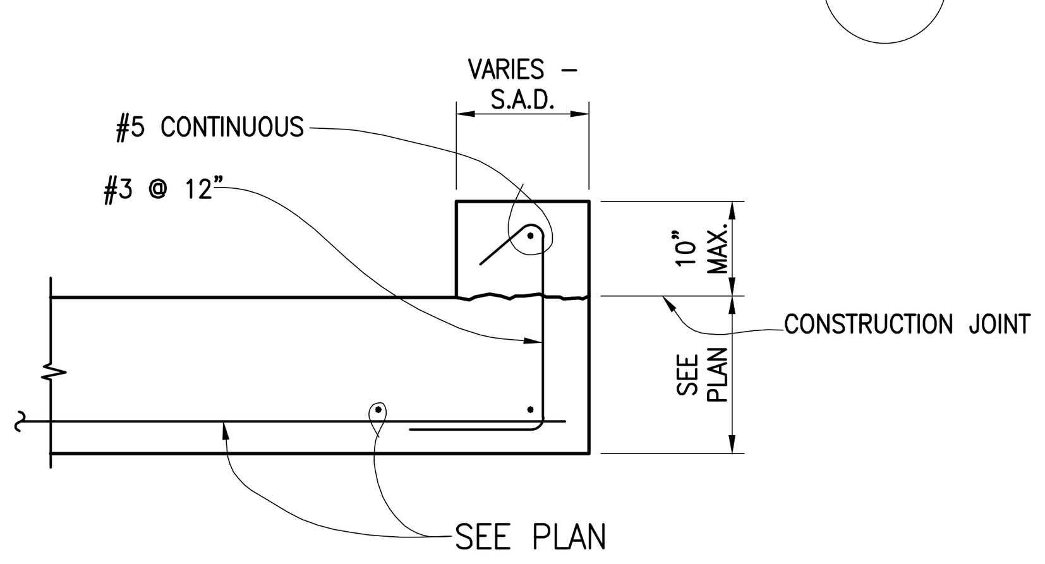
NOTE:
SEE GENERAL NOTES FOR MINIMUM CONCRETE COVER REQUIREMENTS.

STEPPED FOOTING

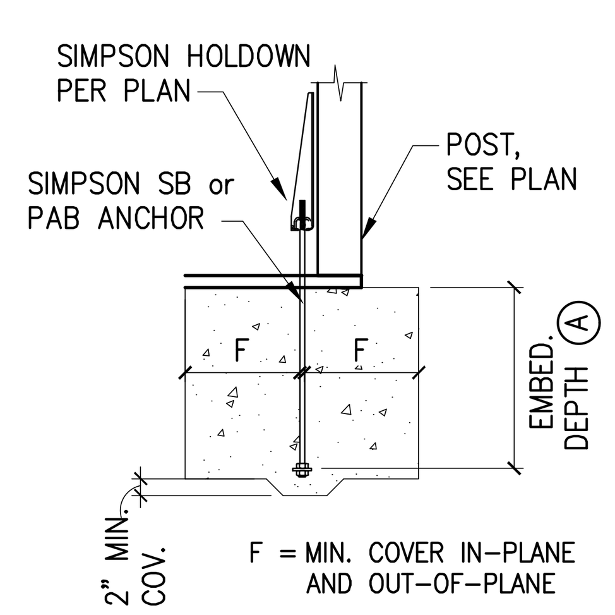


BAR EMBEDMENT "E"						
BAR SIZE	f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI	
	TOP BARS (1)	BASIC	TOP BARS (1)	BASIC	TOP BARS (1)	BASIC
#3	10	7	8	6	8	6
#4	12	9	11	8	10	7
#5	15	11	13	10	12	9
#6	17	13	15	11	13	10
#7	20	15	17	13	16	12
#8	23	17	20	15	19	14
#9	25	19	23	17	20	15
#10	28	21	25	19	23	17
#11	32	24	26	20	24	18

BAR EMBEDMENT "E"



CONCRETE CURB

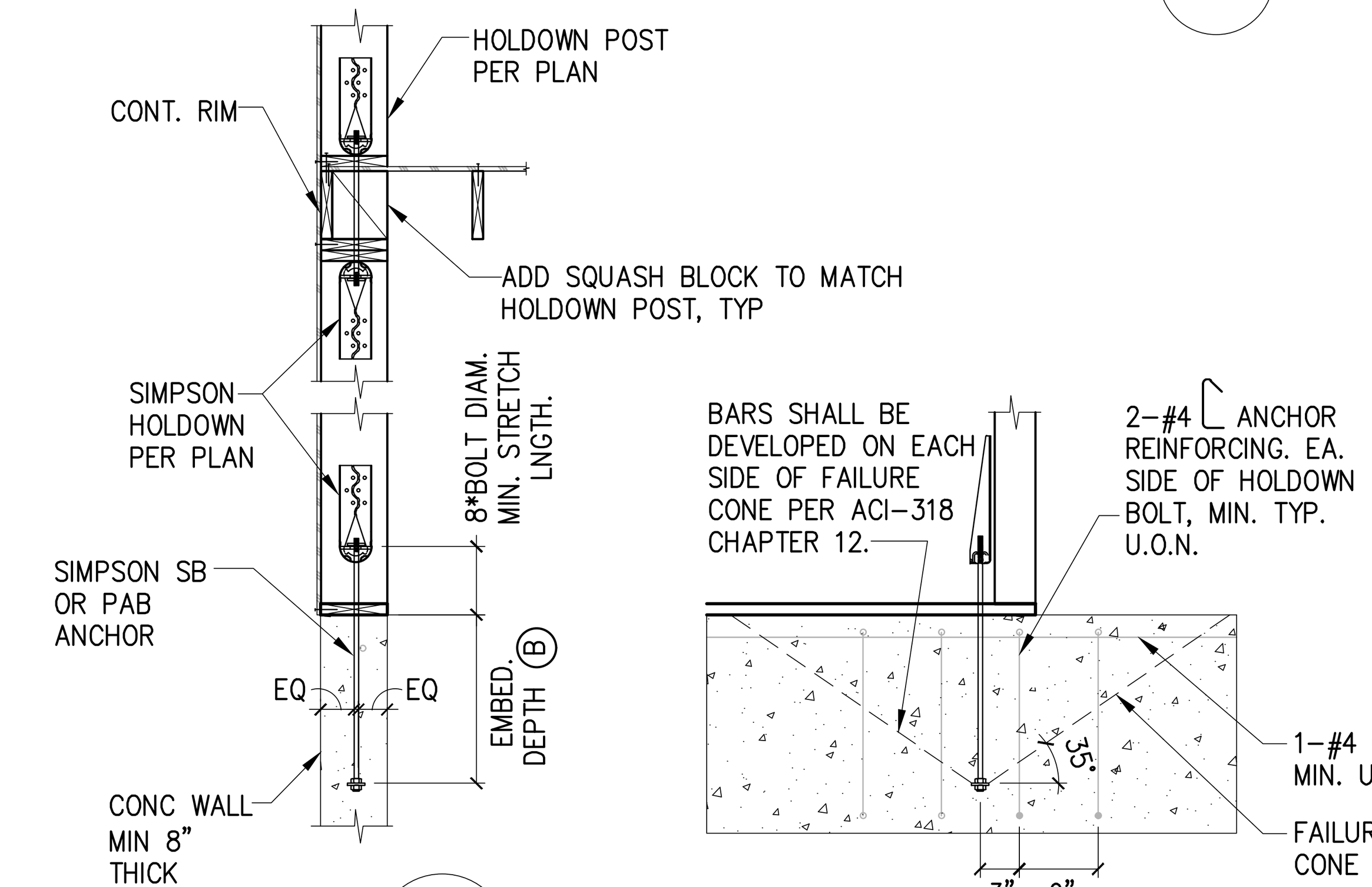


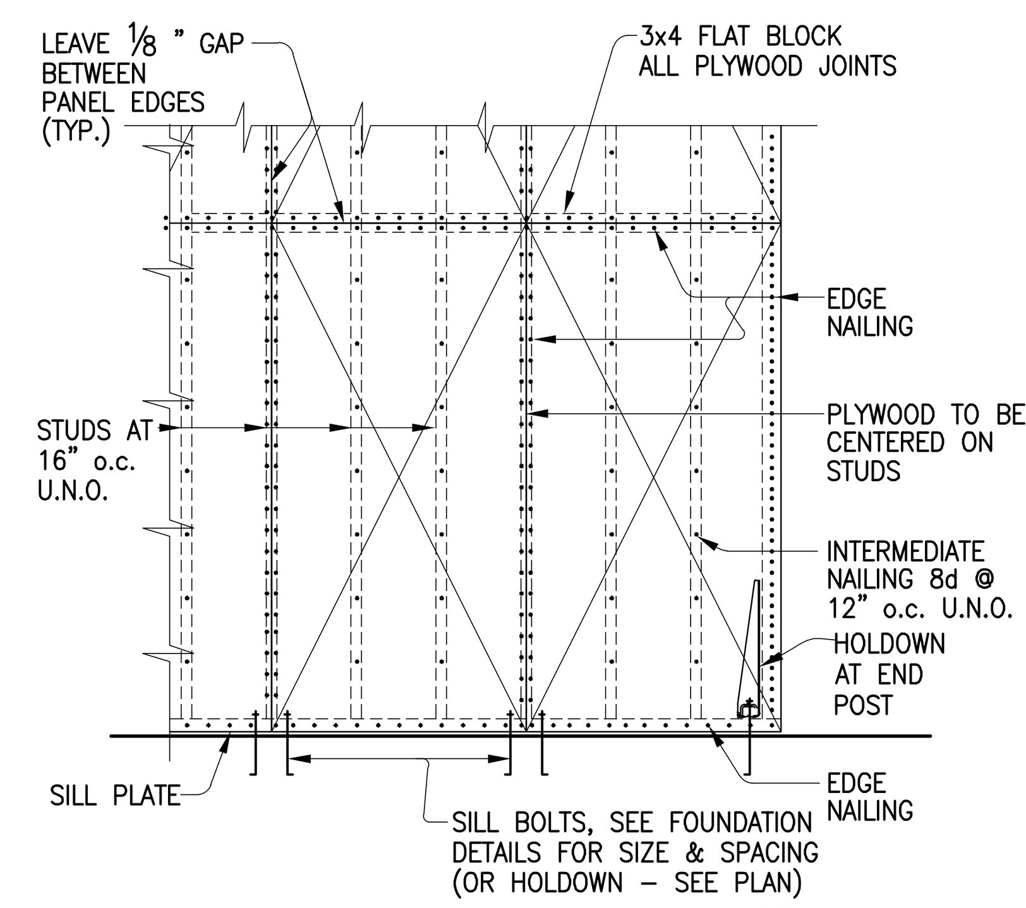
TYPE	ANCHOR DIA.	CAST-IN-PLACE ANCHOR IN STEM WALL	CAST-IN-PLACE ANCHOR IN CONC SLAB			EPOXIED ANCHORS	
				MIN EMBED. Ⓐ	MIN. F	EMBED	PULL-TEST
HDU2	5/8"	SIMPSON SB 5/8x24	PAB5	8"	9"	10"	6,000#
HDU4	5/8"	SIMPSON SB 5/8x24	PAB5	8"	9"	10"	8,800#
HDU5	5/8"	SIMPSON SB 5/8x24	PAB5	8"	9"	10"	11,000#
HDU8	7/8"	SIMPSON SB 7/8x24	PAB7	10"	15"	16"	15,000#
HDU11	1"	SIMPSON SB 1x30	PAB8	10-1/2"	16"	16"	20,000#
HDU14	1"	SIMPSON SB 1x30	PAB8	10-1/2"	16"	18"	23,000#
HD19	–	–	PAB9	12-1/2"	19"	20"	30,000#

NOTES:
1) ALL SHEAR WALL ANCHORS SPECIFIED MANUFACTURED BY SIMPSON STRONG-TIE.
2) FOLLOW ALL MANUFACTURER SPECIFICATIONS FOR INSTALLATION OF ANCHORAGE. INFORMATION SHOWN TAKEN FROM 2022 SIMPSON CATALOG. REFER TO LATEST MANUFACTURER'S SPECIFICATIONS IN ANY CASE OF DISCREPANCY.
3) ALL EPOXY ANCHOR BOLTS SHALL BE PULL TESTED TO THE FORCE LEVEL SHOWN ABOVE.
4) ANCHOR REINFORCING AT C.I.P. A.B.'s SHALL BE DEVELOPED AT BOTH ENDS PER ACI-318 CH. 12.

HOLDOWN SCHEDULE

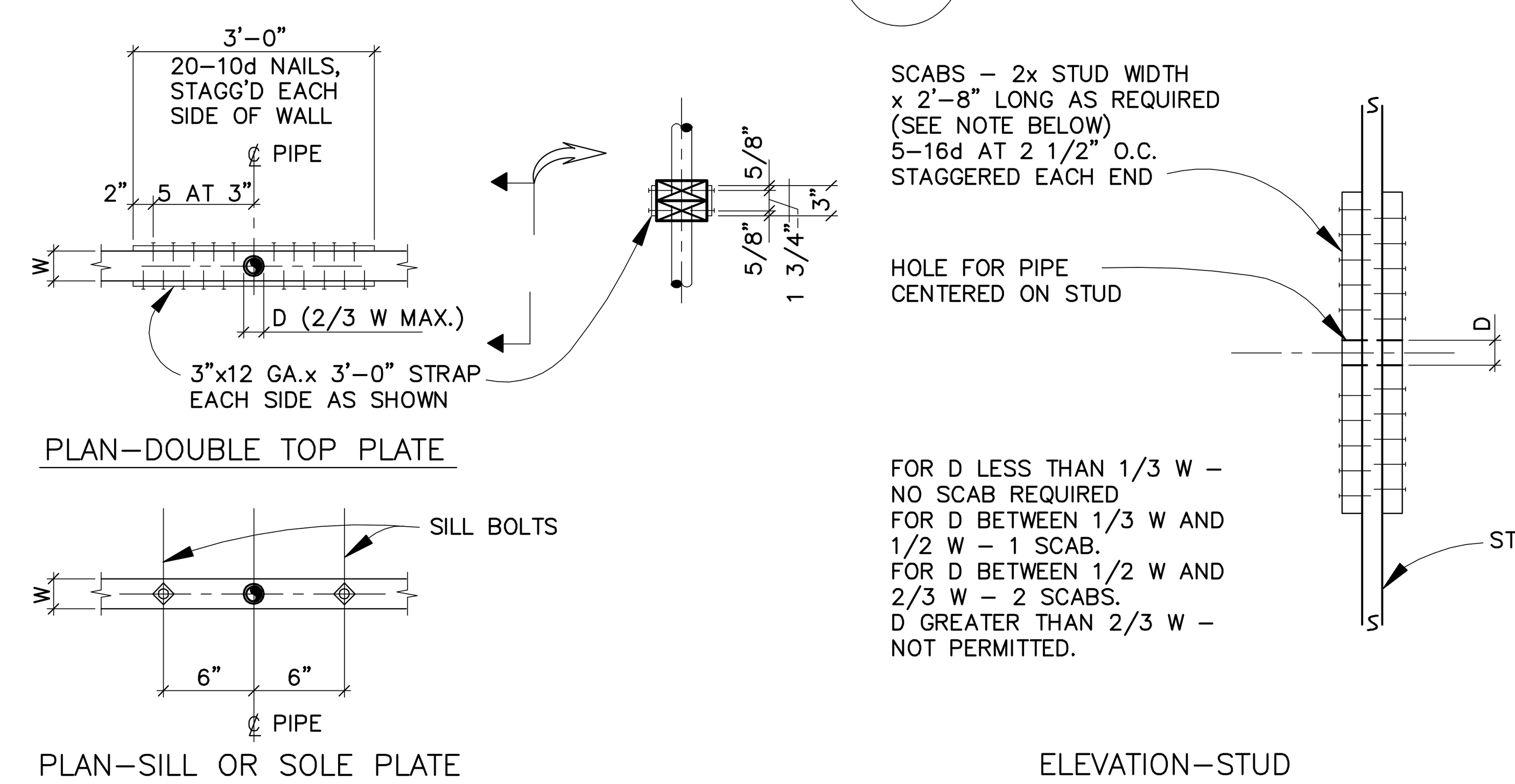
N.T.S.





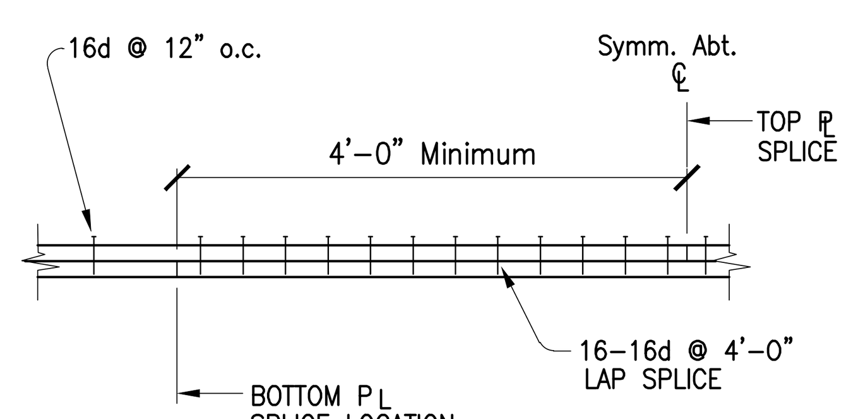
TYPICAL WALL PLYWOOD

SCALE: N.T.S.



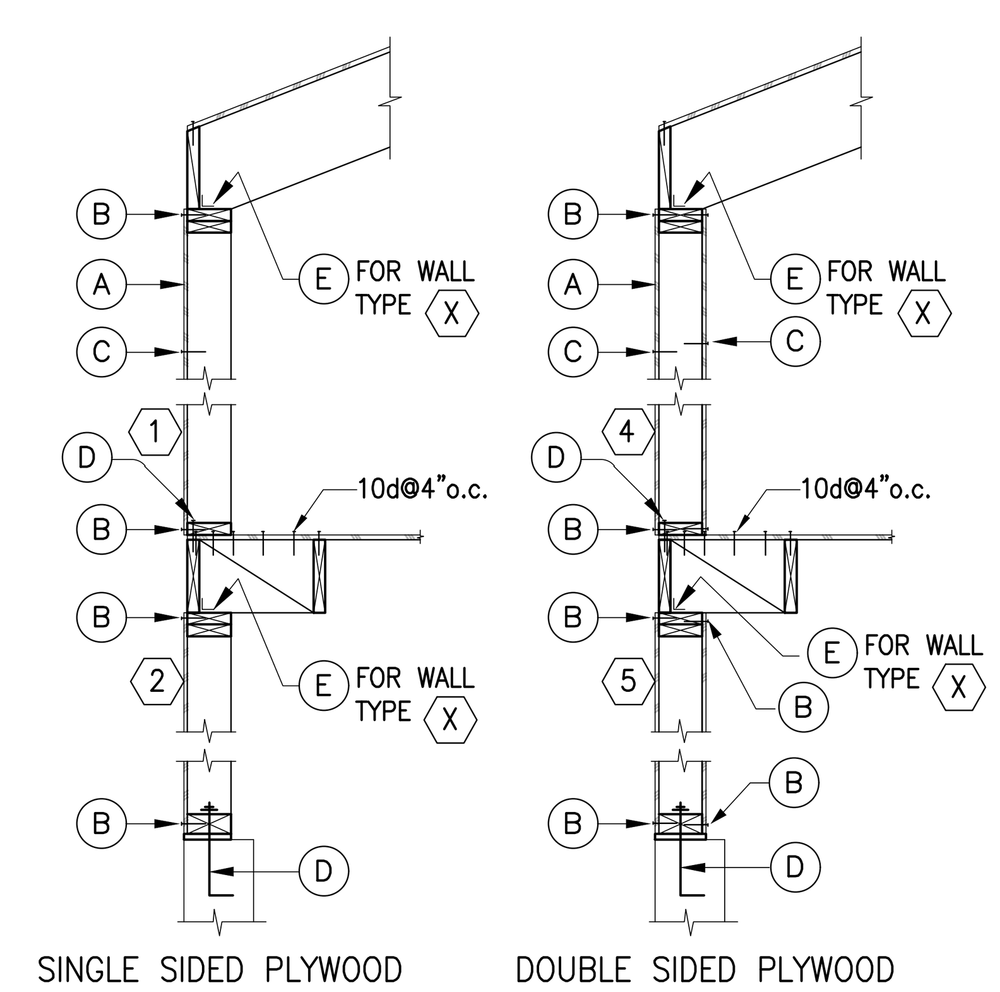
TYPICAL HOLES FOR PIPE AND CONDUIT IN BEARING OR SHEAR WALL FRAMING (NON-BEARING WALLS SIMILAR)

NO SCALE



TOP PLATE SPLICE

SCALE: N.T.S.



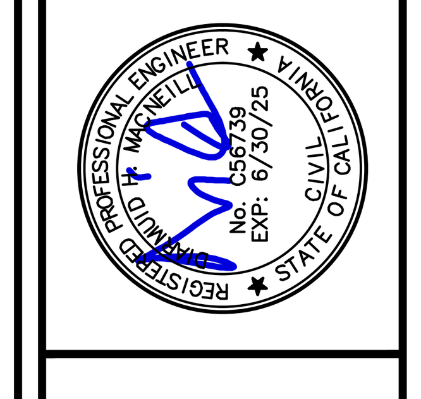
SHEARWALL NAILING SCHEDULE							
MARK	PLYWOOD Ⓐ	EDGE NAILING Ⓑ	SILL ℙ CONNECTION Ⓓ		Ⓔ FRAMING CLIP RIM OR BLK'G TO TOP ℙ OF WALL	WIDTH OF FRAMING MEMBERS RECEIVING EDGE NAILING AT ABUTTING PANELS	ALLOW. SHEAR CAP. (PLF)
			TO CONCRETE OR STL	TO WOOD			
1	½"	10d @ 6" o.c.	¾"ø @ 4'-0"	16d @ 6"o.c.	A35 @ 16"o.c.	2x	310
2	½"	10d @ 4" o.c.	¾"ø @ 4'-0"	16d @ 4"o.c.	A35 @ 12"o.c.	3x	460
3	½"	10d @ 3" o.c.	¾"ø @ 3'-0"	16d @ 3" OR SDSx6 @ 6"	A35 @ 9"o.c.	3x	600
4	½" EA. SIDE	10d @ 4" o.c.	¾"ø @ 2'-0"	SDSx6 @ 4"	A35 @ 8"o.c.	3x	920
5	½" EA. SIDE	10d @ 3" o.c.	¾"ø @ 1'-6"	SDSx6 @ 3"	A35 @ 6"o.c.	3x	1200
6	SUREBOARD 200W EA. SIDE	10d @ 2" o.c. STAGGERED	¾"ø @ 1'-6"	SDSx6 @ 2.5"	HGA10KT @8"o.c.	4x	1827
7	SIMPSON STRONG-WALL WOOD SHEARWALL (WSW18x9)						

NOTES:
1) ALL SHEATHING IS TO BE ½" PLYWOOD OR OSB. ALL FIELD NAILING Ⓒ IS TO BE AT 10d@12"o.c. TYP, 10d@6"o.c. FOR SUREBOARD 200W. BLOCK ALL EDGES TO MATCH REQ'D STUD THICKNESS AT ALL UNSUPPORTED EDGES OF SHEATHING.
2) COMMON NAILS ONLY – NO SINKERS ALLOWED.
3) ALL STUDS @ 16"o.c. UNO.
4) FOUNDATION SILL PLATES SHALL BE 3x PT – WHERE FASTENERS CAUSE FRAMING TO SPLIT, PRE-DRILL TO 75% OF THE FASTENER ø.
5) STAGGER PANEL EDGE NAILING AT ADJOINING PANEL EDGES.
6) PROVIDE ⅛" GAP BETWEEN HORIZONTAL ADJOINING PANEL EDGES.
7) FOR 6" SHEARWALLS, PROVIDE ½" MAX GAP BTWN PL WASHER & SHEATHING.
8) FOR SIMPSON STRONG-WALL WOOD SHEARWALLS, REFER TO MANUFACTURER'S INSTALLATION DETAILS.

SHEARWALL NAILING SCHEDULE

SCALE: N.T.S.

DATE	ISSUE
03/15/24	FOR PERMIT



DOLMEN
Consulting Engineers Inc.
2595 Mission St., Suite 200
San Francisco, CA 94110
Voice 415.409.9200
www.dolmen-engineers.net

ADDITION TO:
805 N STREET
EUREKA, CA

TYPICAL CONCRETE AND WOOD DETAILS

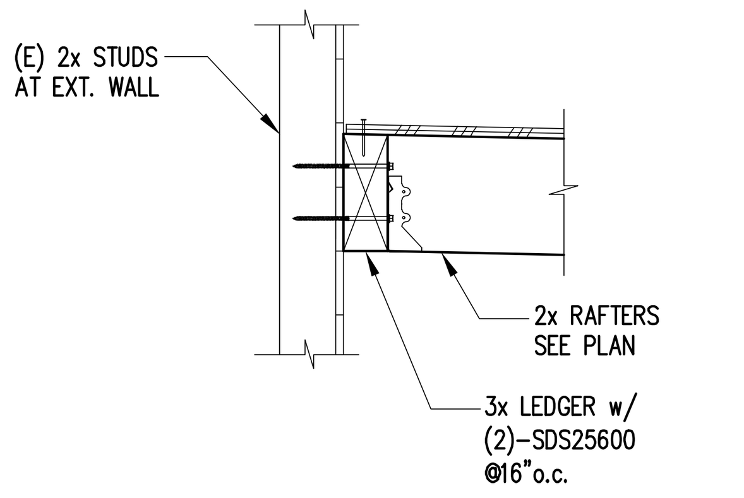
Date
Design AS NOTED
Job 2414
Sheet
S1b

NOTES

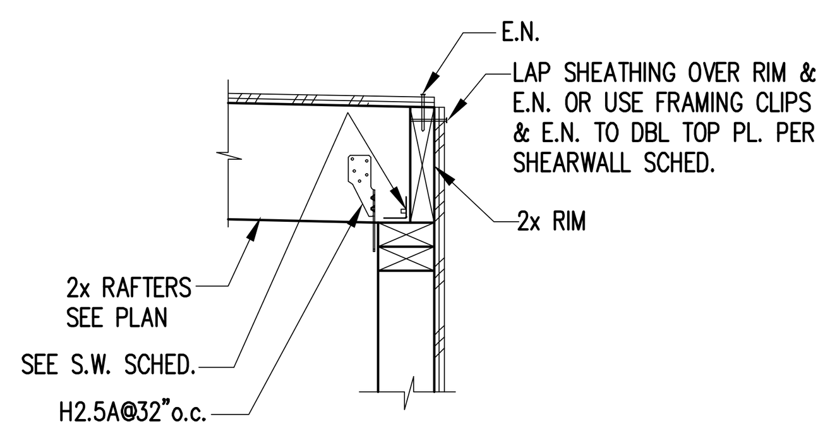
1. SEE GENERAL NOTES AND TYP DETAILS ON S1a & S1b.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DWGS.
3. ROOF/FLOOR BEAM DEPTH TO MATCH CORRESPONDING JOIST DEPTH, U.O.N.
4. INTERIOR BEARING WALLS WITH NO PLYWOOD SHEATHING TO GET BLOCKING AT MID HEIGHT.
5. ALL (N) INTERIOR WALLS ARE 2x4@16"o.c. DF-NO.2 U.O.N.
6. ALL (N) EXTERIOR WALLS ARE 2x4@16"o.c. DF-NO.2 U.O.N.

LEGEND

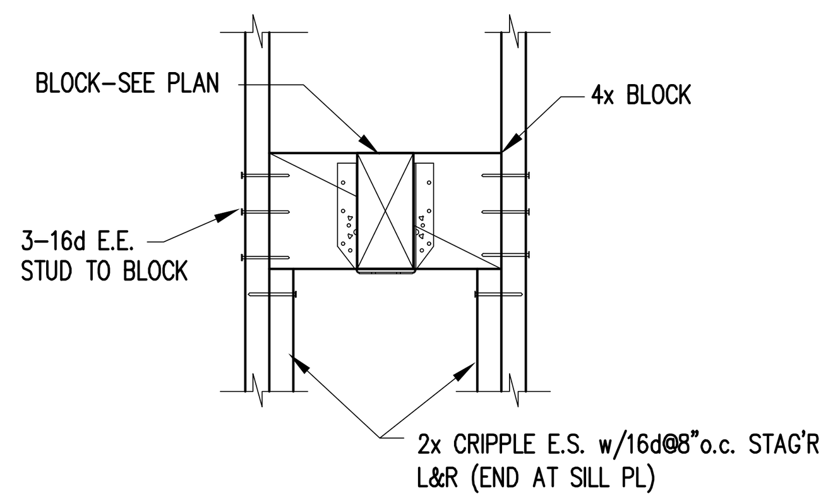
SYMBOL	INDICATES
	(N) STUD WALL
	(E) STUD WALL TO REMAIN
	(E) WALLS TO BE REMOVED ON THIS LEVEL
	(E) WALLS TO BE REMOVED ON LEVEL BELOW
	(N) PLYWOOD DIAPHRAGM SEE S1 FOR SIZE & NAILING
2x10@16o.c.	BOLD SIGNIFIES (N) FRAMING SIMP IUS HANGERS TYP @ TJI JOISTS U.O.N. SIMP LUS HANGERS TYP @ SOLID SAWN JOISTS U.O.N.
4x12	BOLD SIGNIFIES (N) FRAMING FLUSH BEAM/DRAG BEAM SIMP HU/HUC HANGERS TYP @ BEAMS U.O.N.
	SIMP CS14 STRAP (MIN END LENGTH=20") BLK AS REQ'D
	(N) CONCRETE FOUNDATION
	(E) FOUNDATION



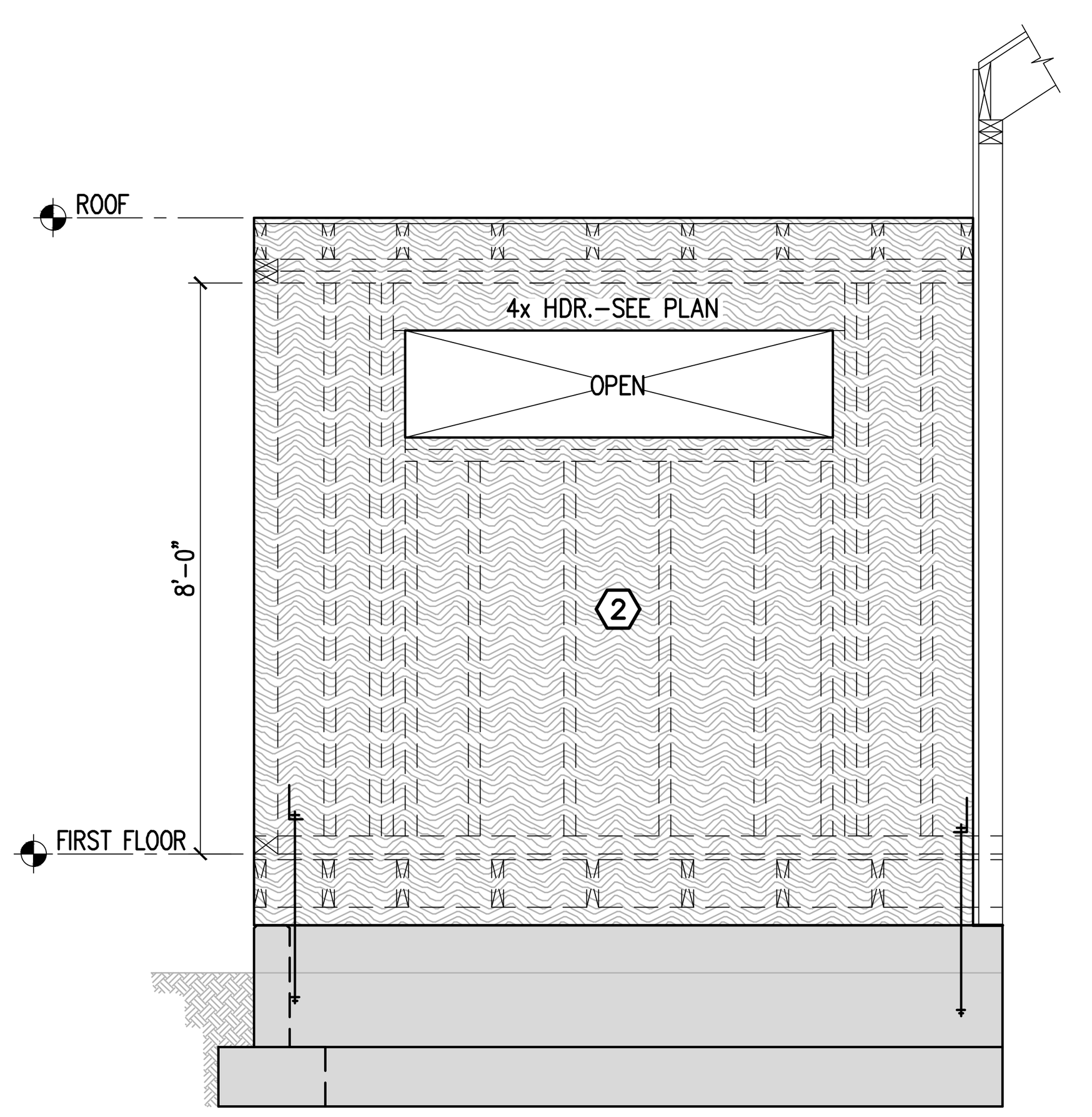
DETAIL 1
SCALE: 1"=1'-0"



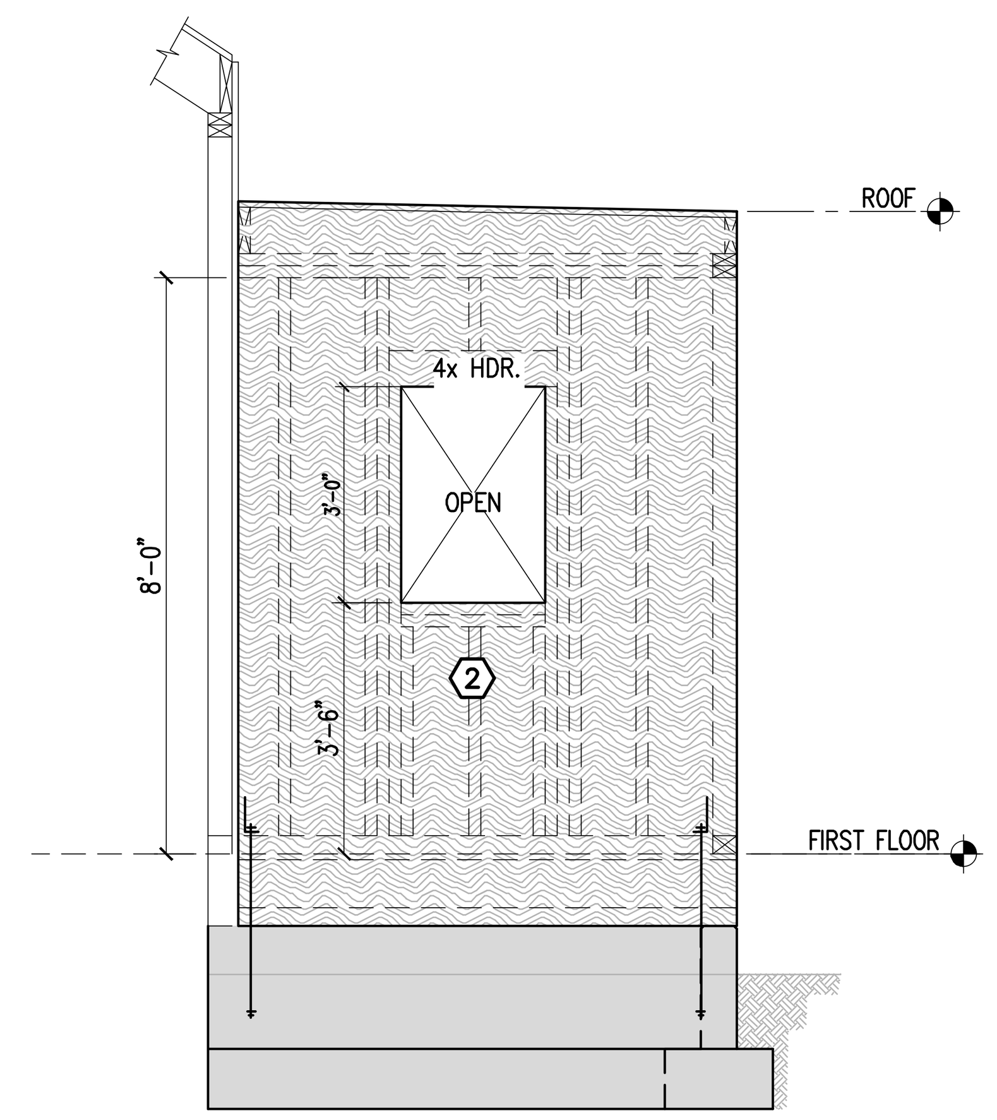
DETAIL 2
SCALE: 1"=1'-0"



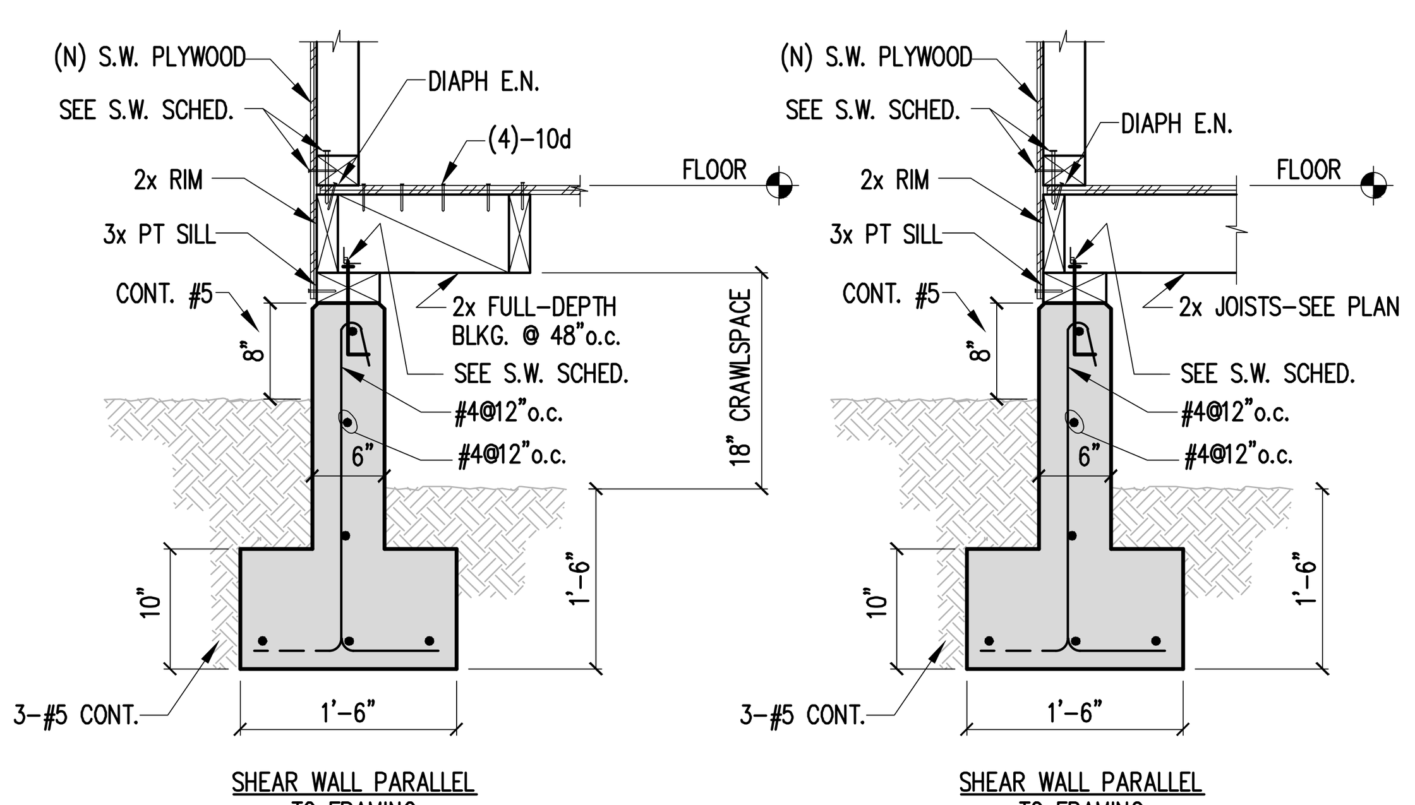
DETAIL 3
SCALE: 1"=1'-0"



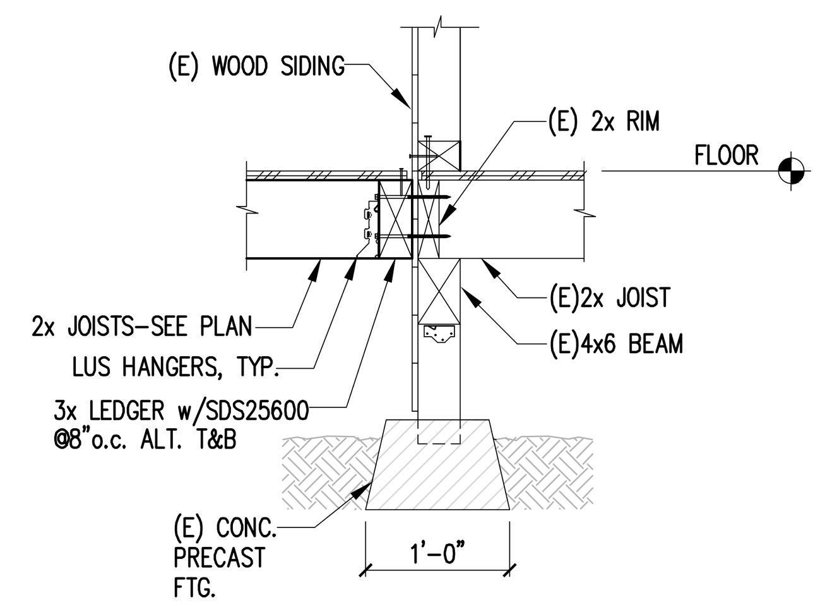
EAST WALL ELEVATION 4
SCALE: 3/8"=1'-0"



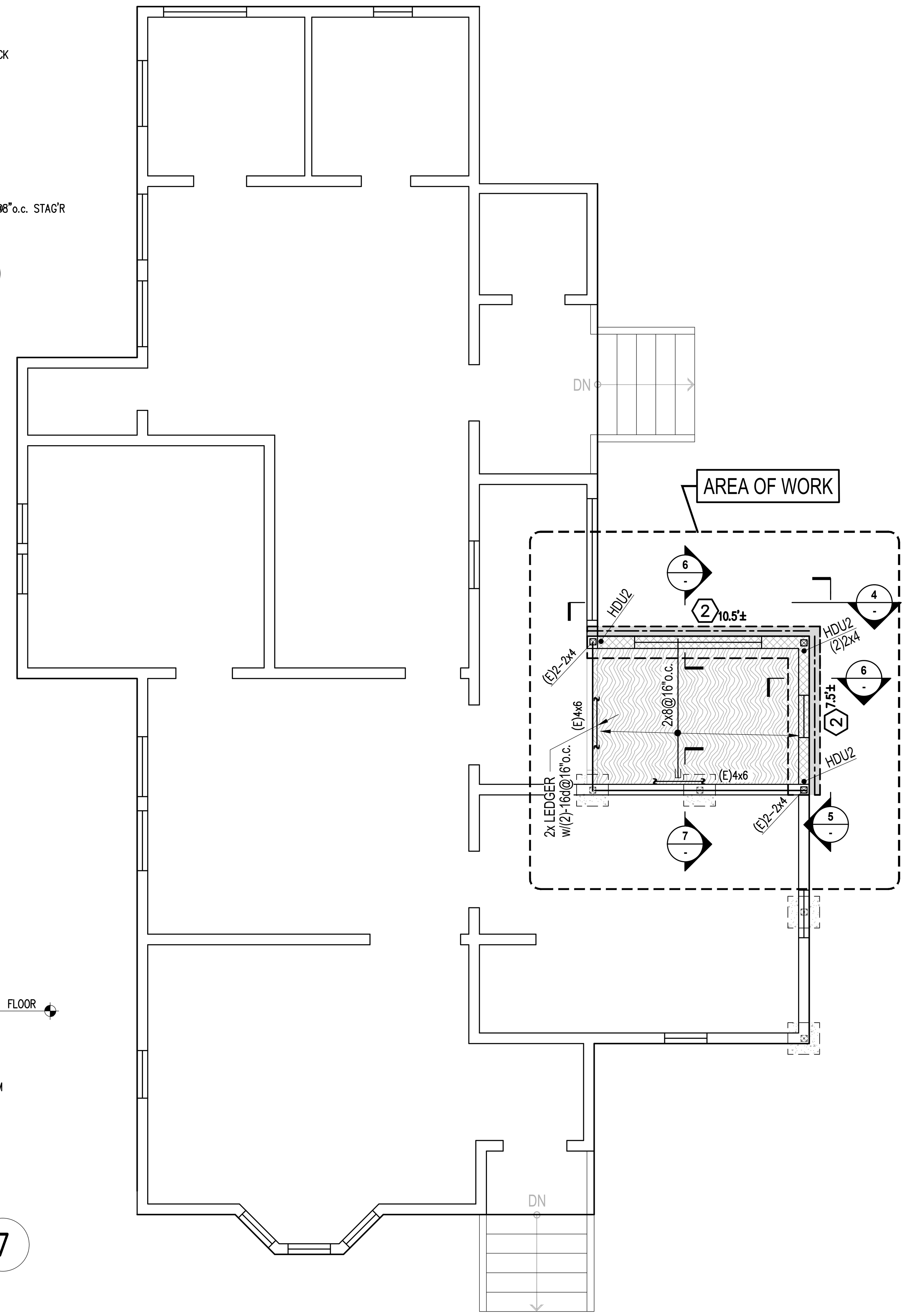
SOUTH WALL ELEVATION 5
SCALE: 3/8"=1'-0"



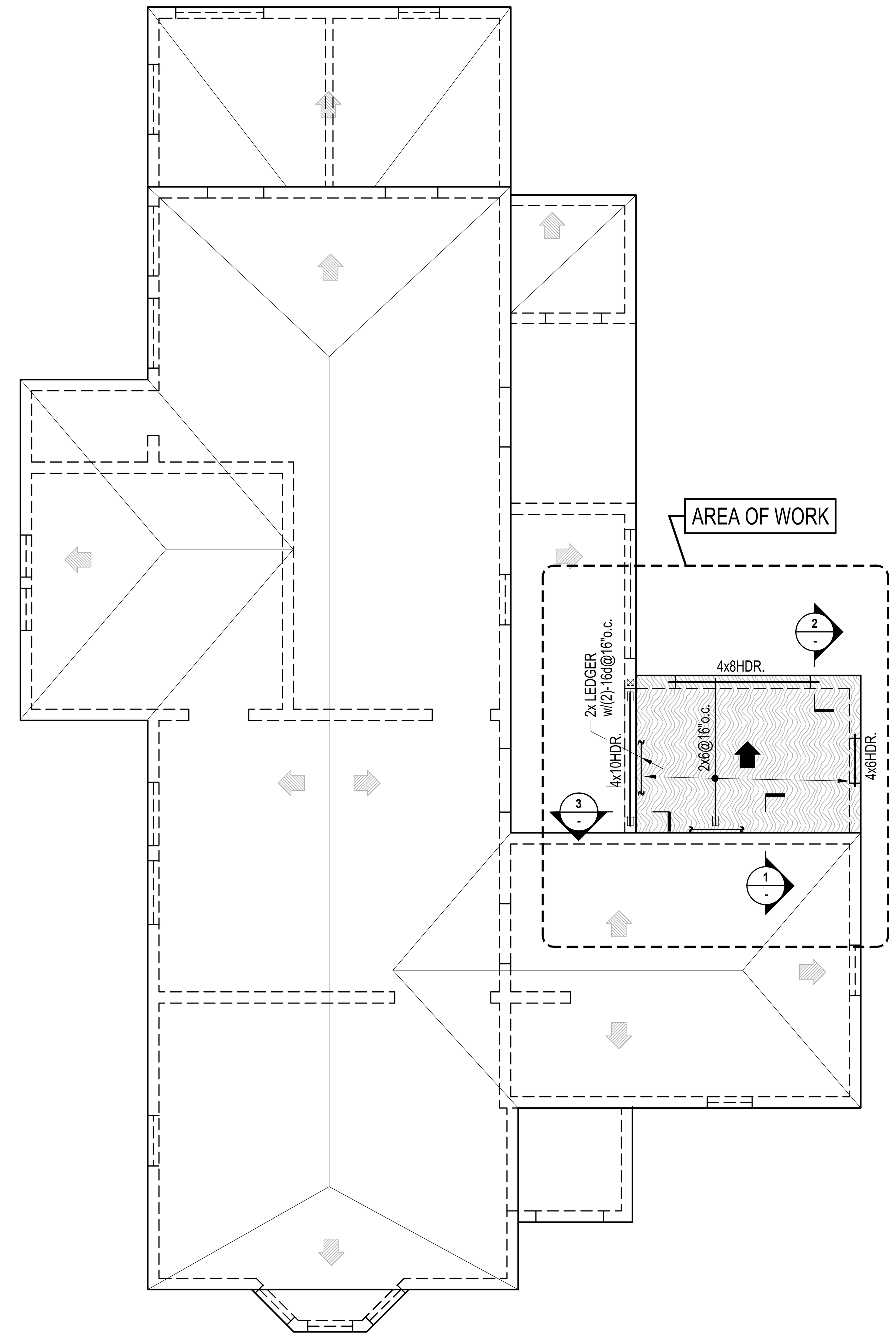
DETAIL 6
SCALE: 3/4"=1'-0"



DETAIL 7
SCALE: 3/4"=1'-0"



FIRST FLOOR FRAMING PLAN AT ADDITION 8
SCALE: 1/4"=1'-0"



PROPOSED FIRST FLOOR PLAN 9
SCALE: 1/4"=1'-0"

DATE	ISSUE
03/15/24	FOR PERMIT

REGISTERED PROFESSIONAL ENGINEER DARMUID T. MACNEILL No. C56739 EXP: 6/30/25 CIVIL STATE OF CALIFORNIA

DOLMEN Consulting Engineers Inc.
2595 Mission St., Suite 200
San Francisco, CA 94110
Voice 415.409.9200
www.dolmen-engineers.net

ADDITION TO: 805 N STREET EUREKA, CA

FRAMING PLANS & DETAILS

Date
Design
Job 2414
Sheet S2