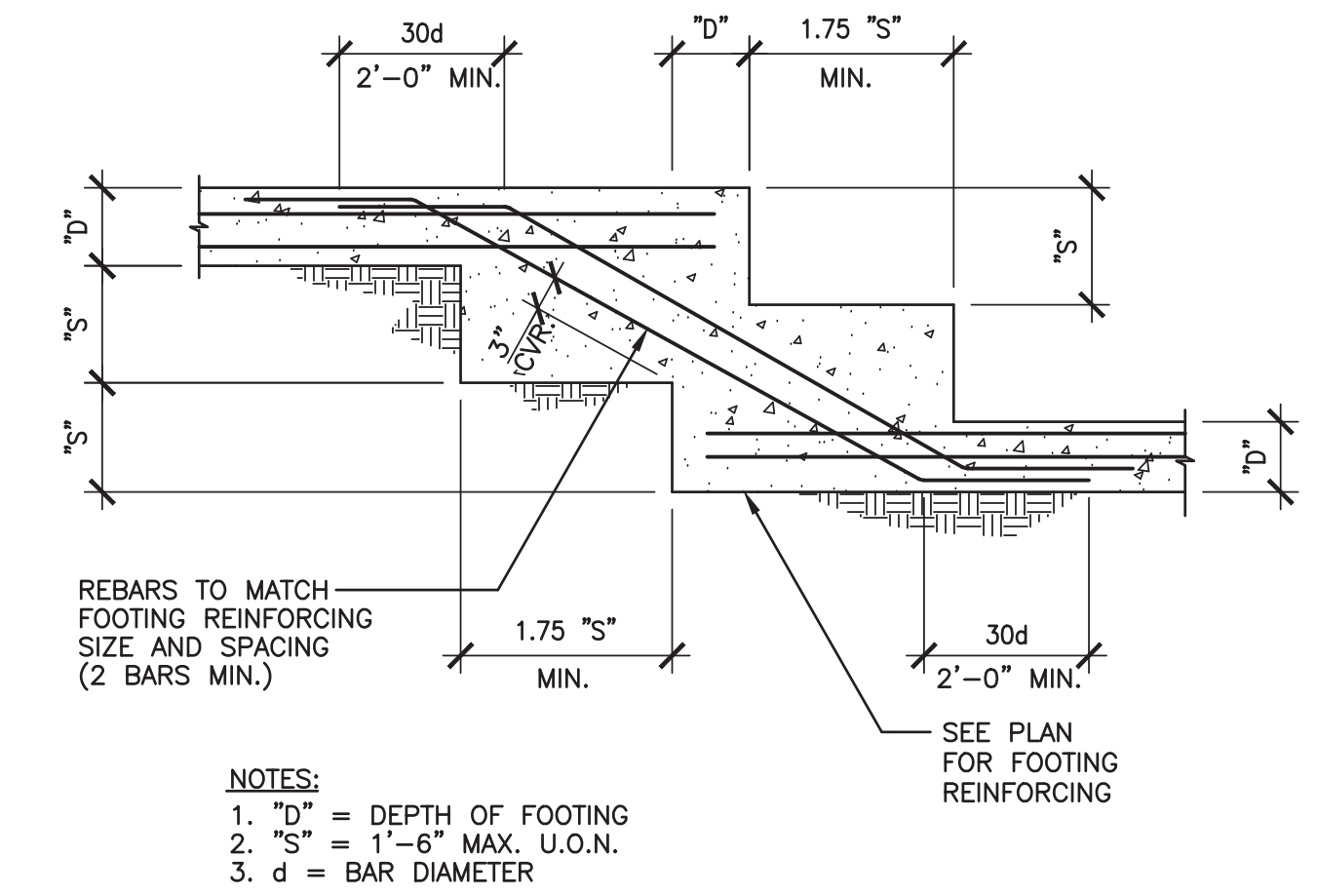


TYPICAL STAIR ON GRADE

3/4"-1

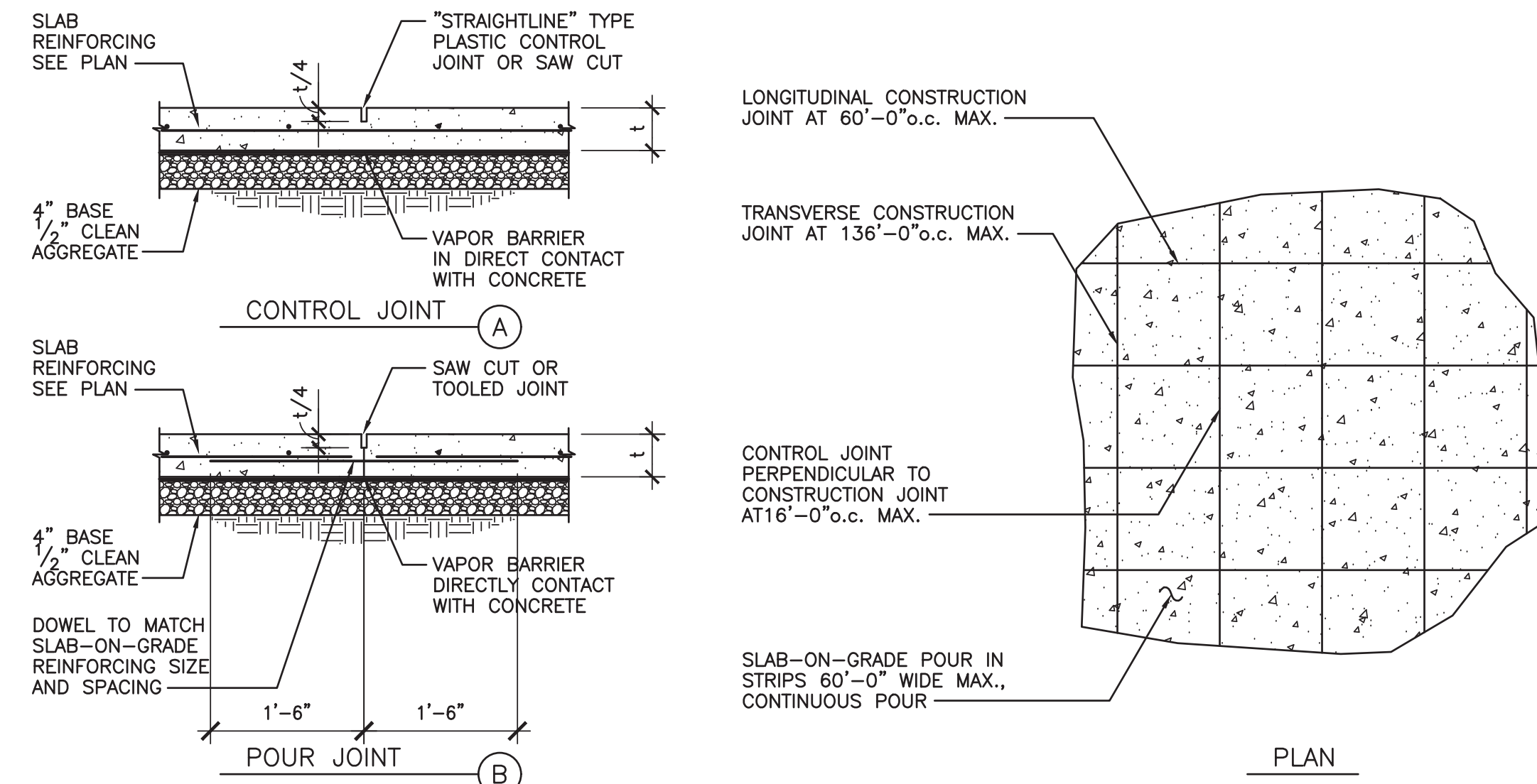
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TYPICAL STEPPED FOOTING

3/4"-1

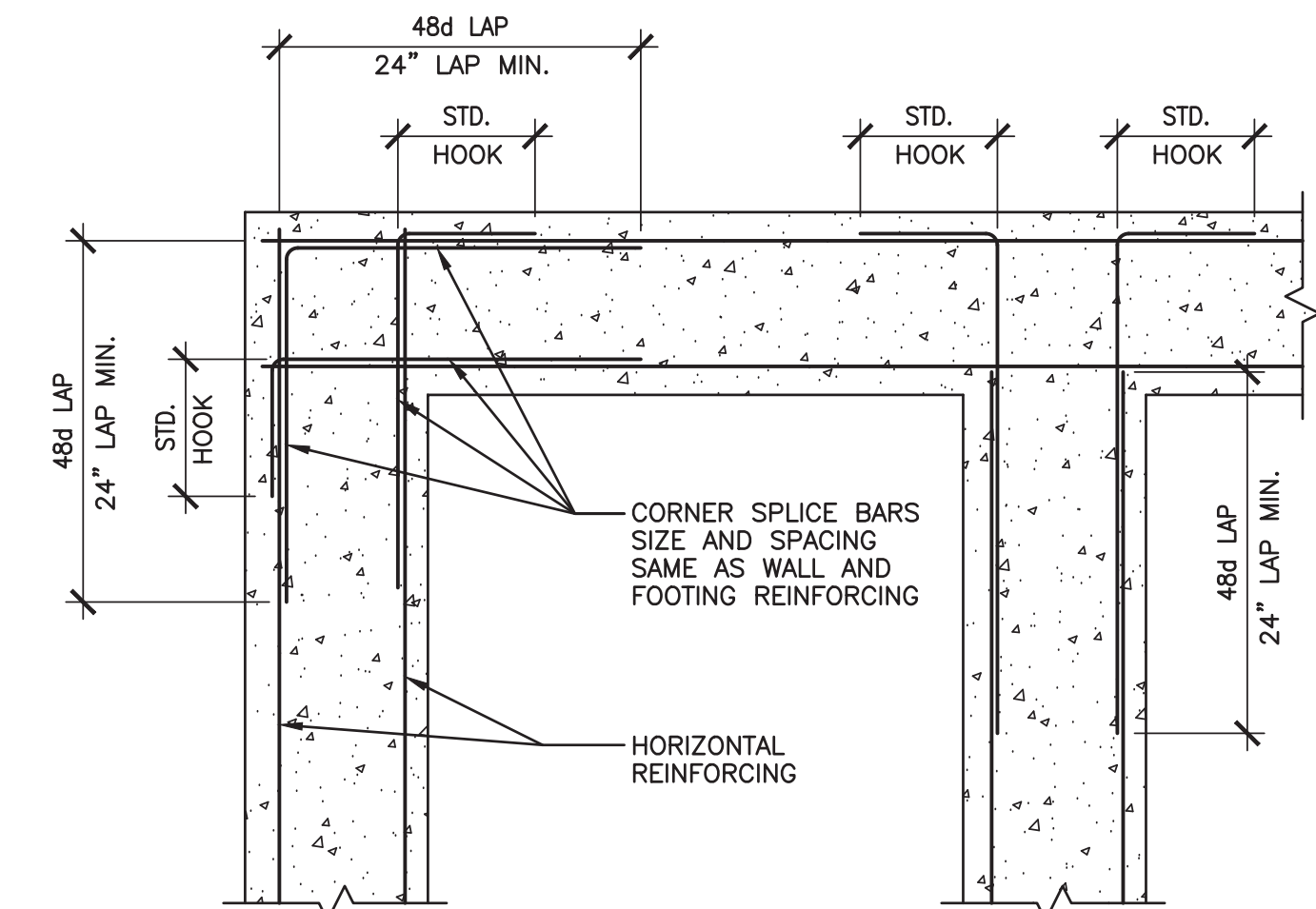
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TYPICAL SLAB-ON-GRADE DETAIL

3/4"-1

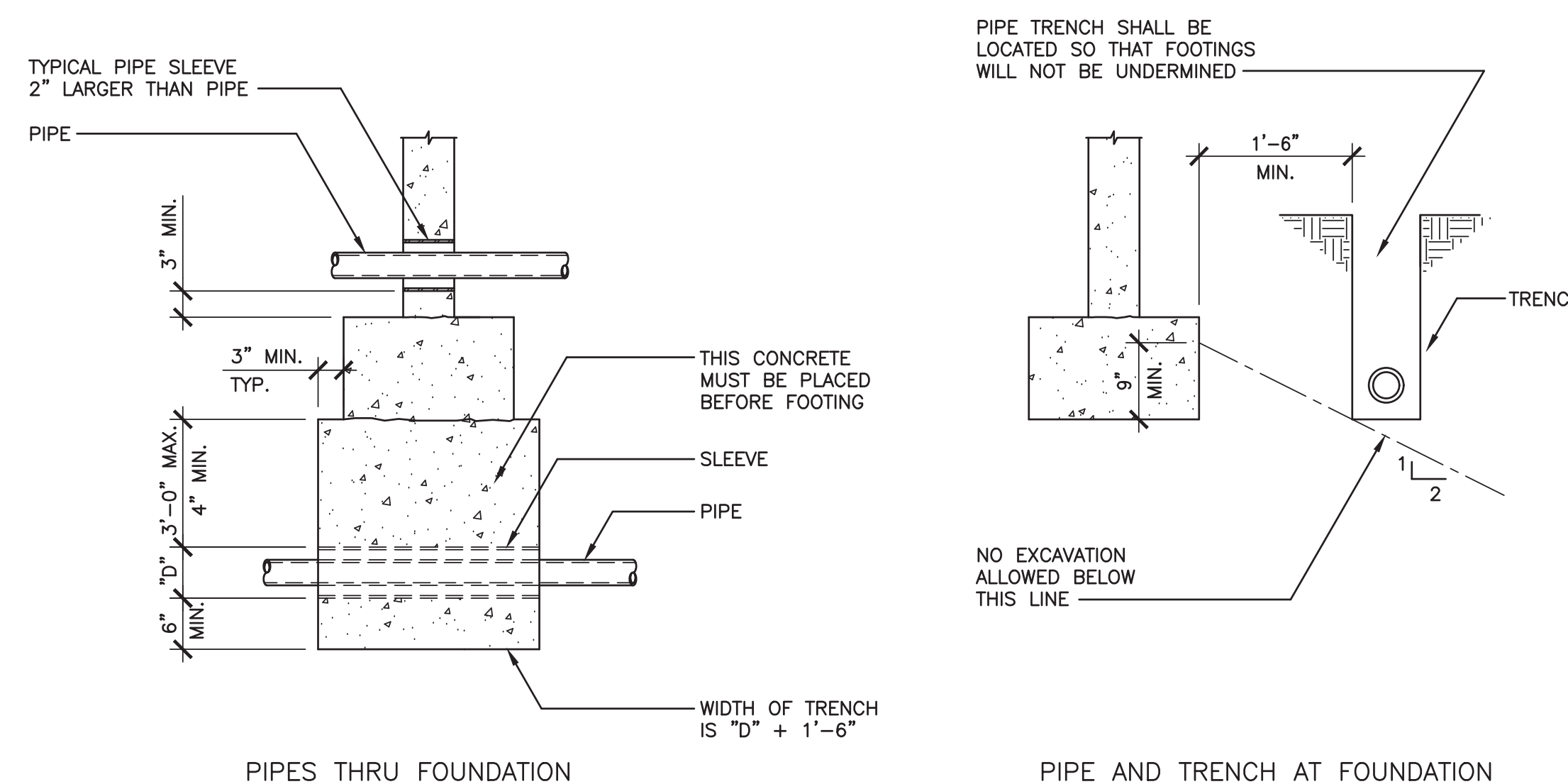
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TYPICAL FOOTING/WALL CORNER REINFORCING

3/4"-1

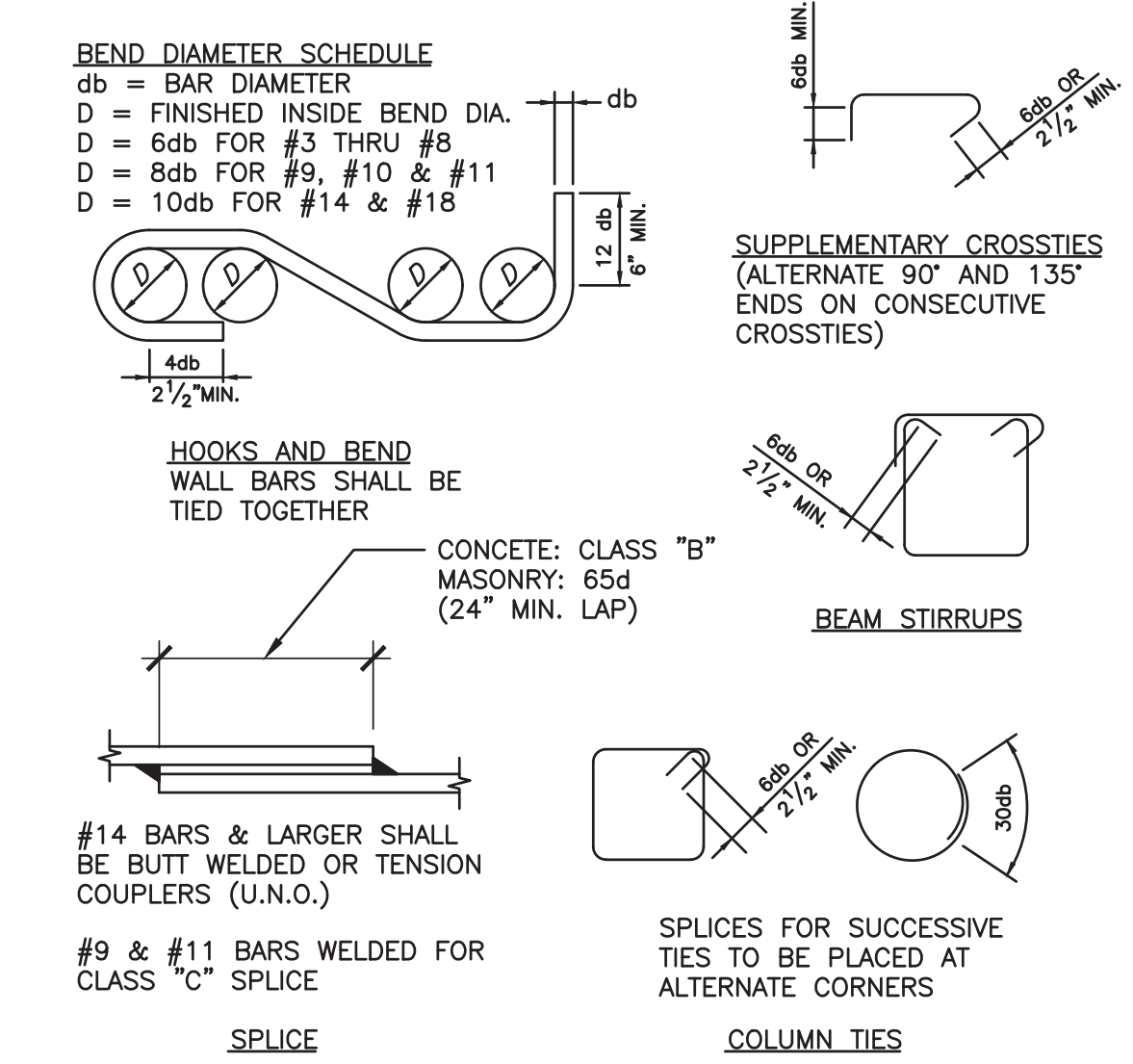
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TYPICAL PIPE AT FOOTING

3/4"-1

4

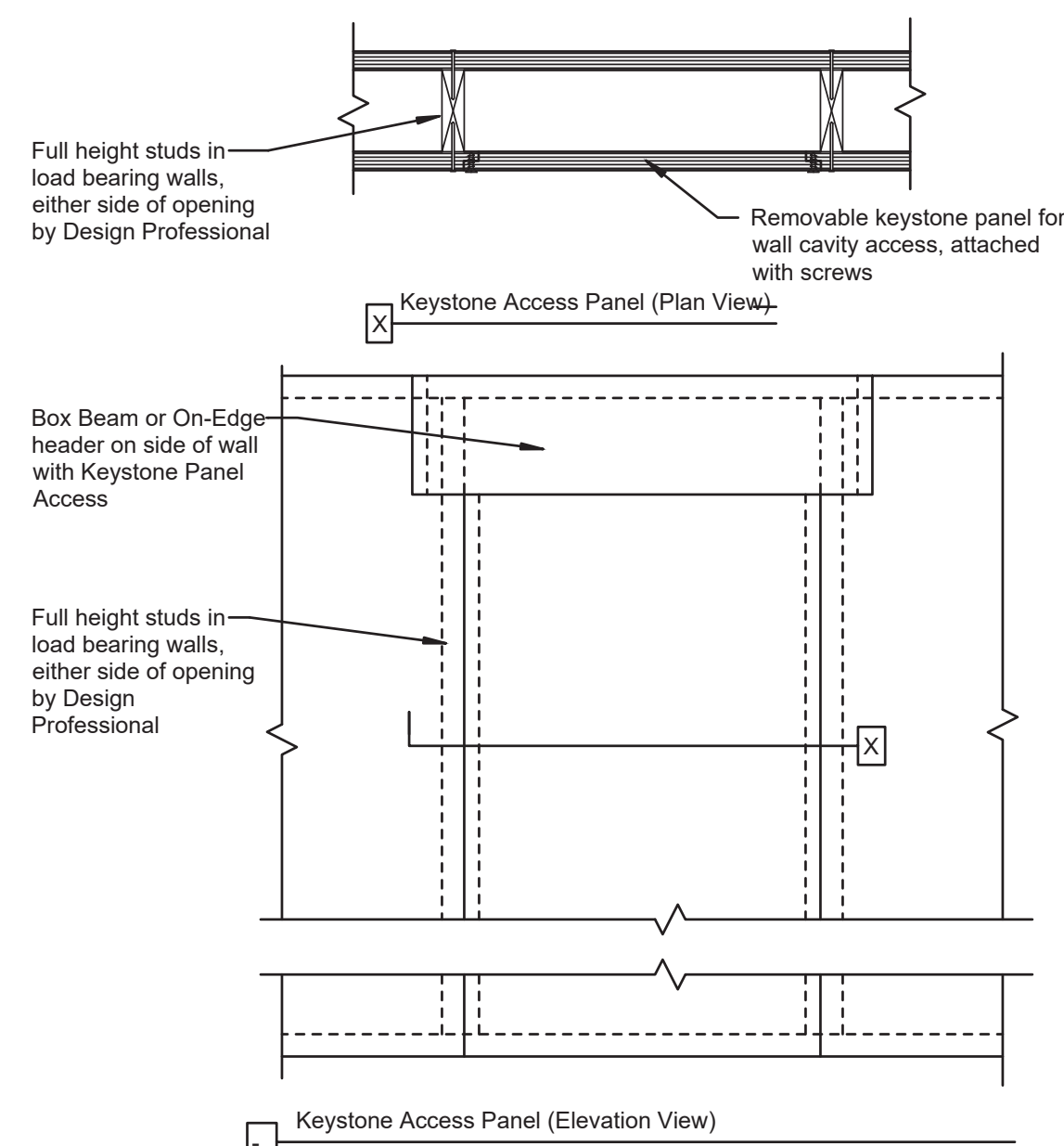


TYPICAL REBAR BEND

3/4"-1

1

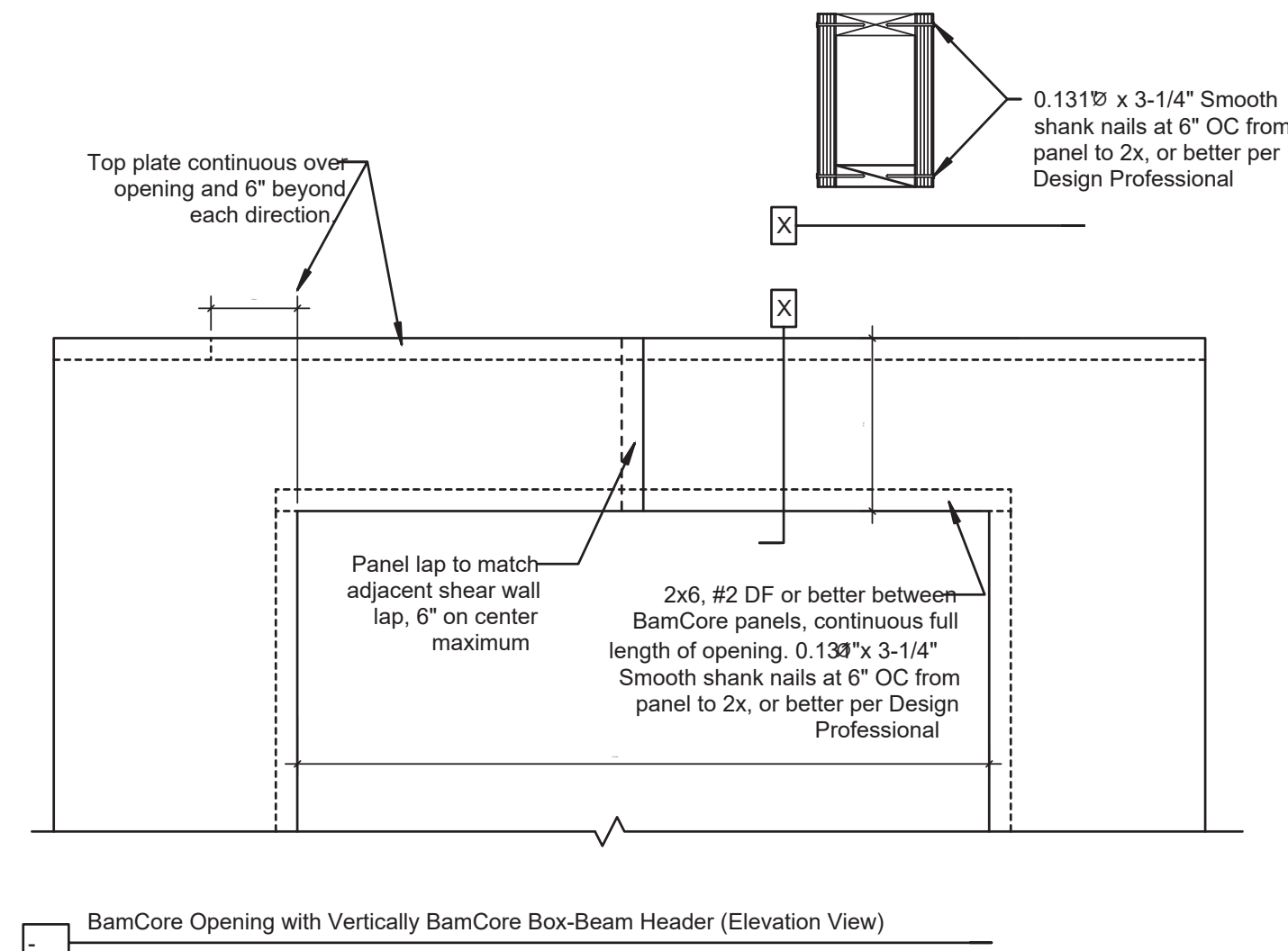
REVISION DESCRIPTION	BUILDING DEPARTMENT SUBMITTAL
DATE	07-05-2022
No.	
DATE ISSUED	07-05-2022
DRAWN BY	ML
CHECKED BY	TL
<b>THANG LE &amp; ASSOCIATES</b> <b>STRUCTURAL ENGINEERS, INC.</b> 319 E. FOOTHILL BLVD., SUITE C ARCADIA, CALIFORNIA 91006 PHONE: (626) 731-1539	
<b>LARSON RESIDENCE</b> 10818 CROTHERS ROAD SAN JOSE, CALIFORNIA 95127	
<b>TYPICAL CONCRETE DETAILS</b>	
<b>S1.2</b>	



**TYPICAL ACCESS PANEL**

3/4"-1"

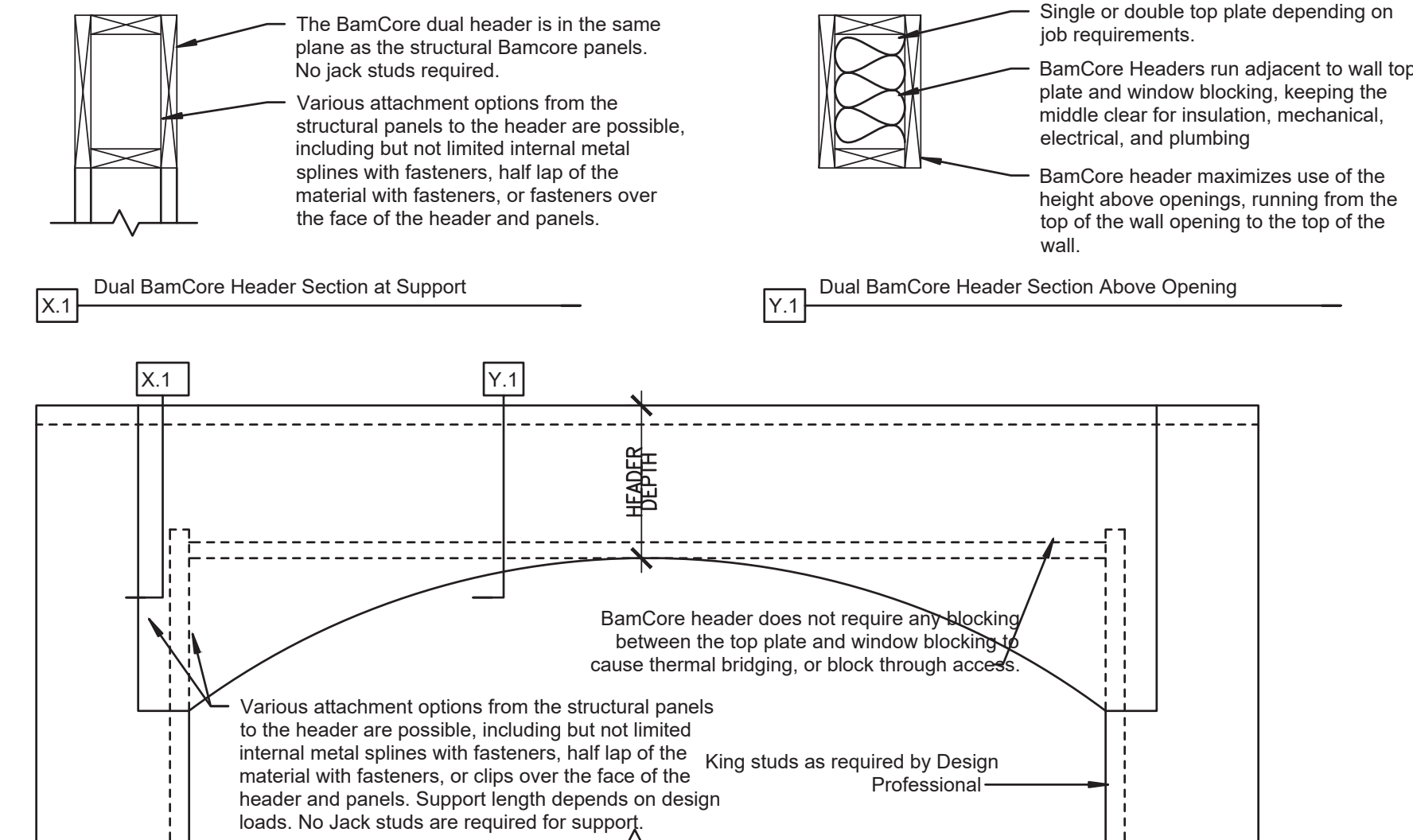
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**TYP. BAMCORE OPENING W/ VERTICALLY BOX-BEAM**

3/4"-1"

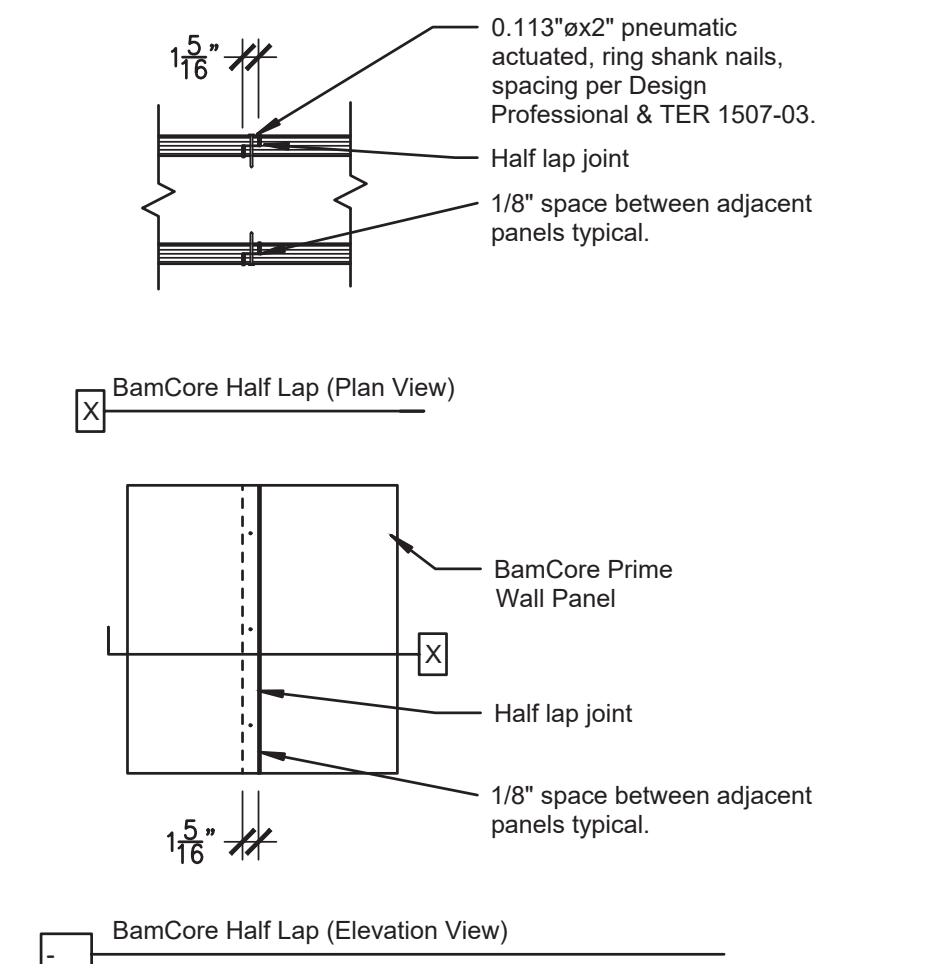
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**TYPICAL CURVED BAMCORE ON-EDGE HEADER ELEVATION**

3/4"-1"

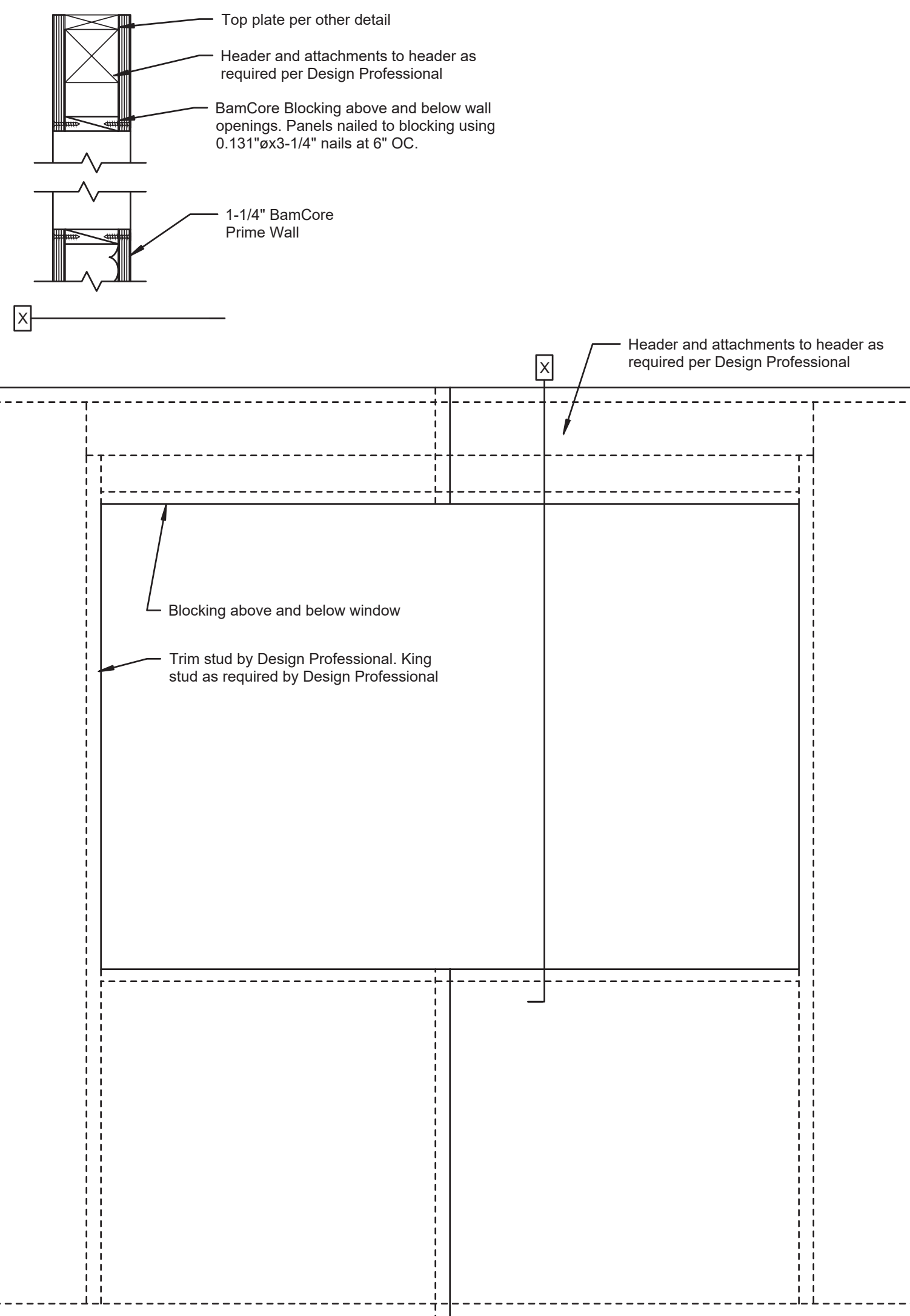
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**TYPICAL BAMCORE LAP**

3/4"-1"

11

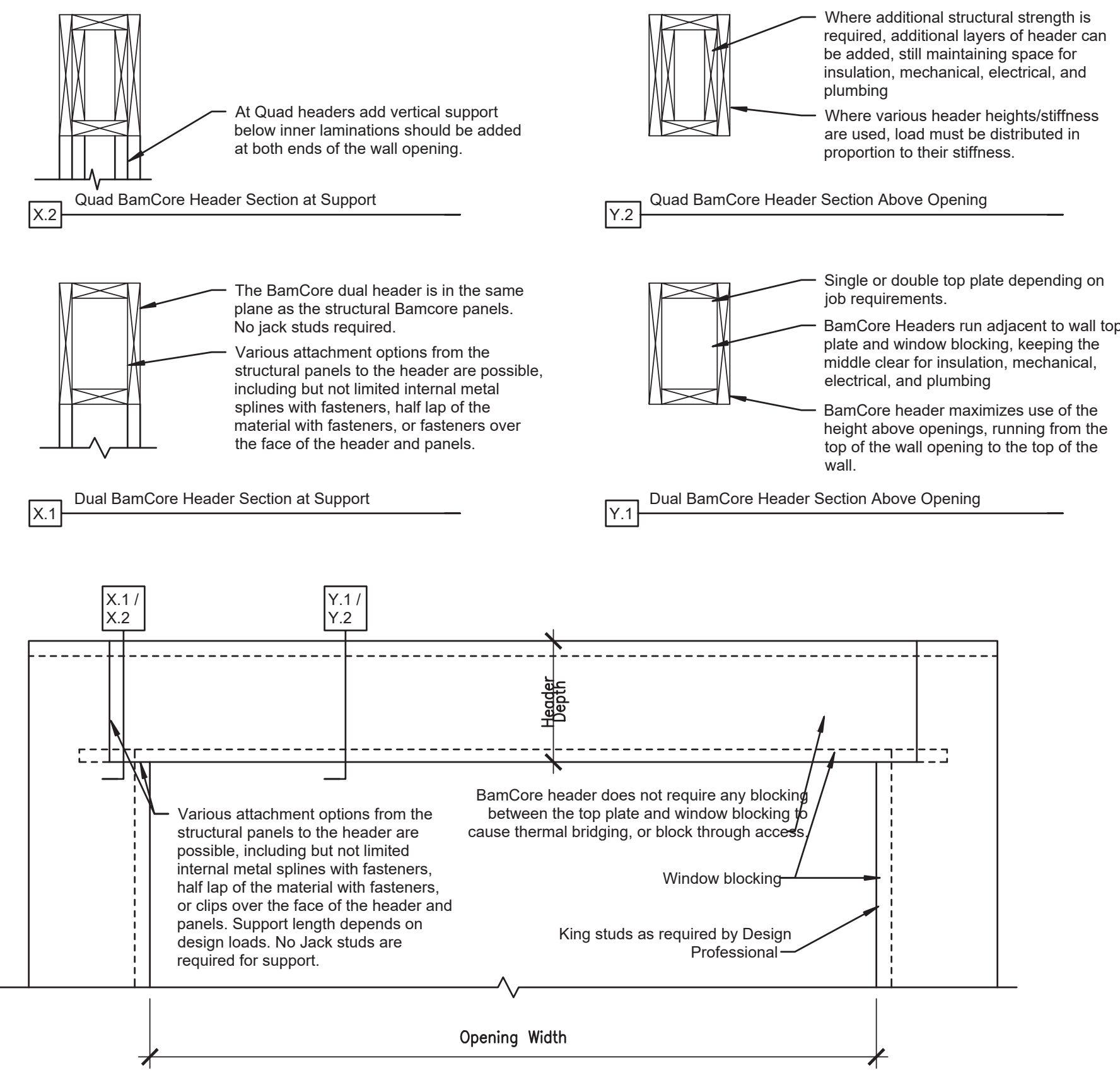


**TYP. FRAMING AT WINDOW**

3/4"-1"

7

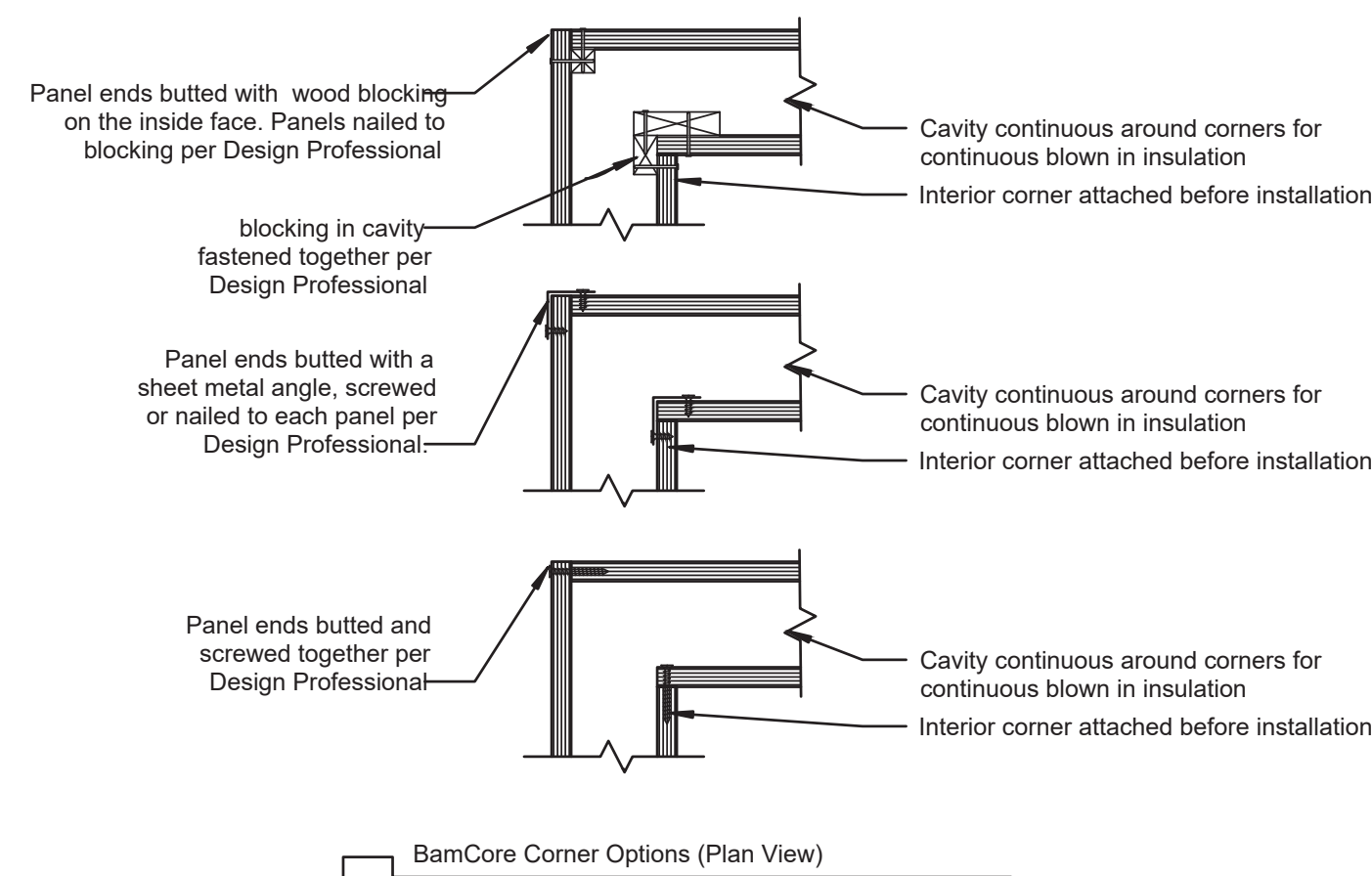
HEADER SPAN TABLE			
Max Opening Width (ft)	Min Header Depth (in)	Min Bearing Length (in)	King Stud Requirement



**TYPICAL WALL FRAMING ELEVATION**

3/4"-1"

1



**TYPICAL BAMCORE CORNER**

3/4"-1"

10

REVISION	DESCRIPTION	BUILDING DEPARTMENT	SUBMITTAL

DATE	ISSUED	DATE	ISSUED
07-05-2022	07-05-2022		

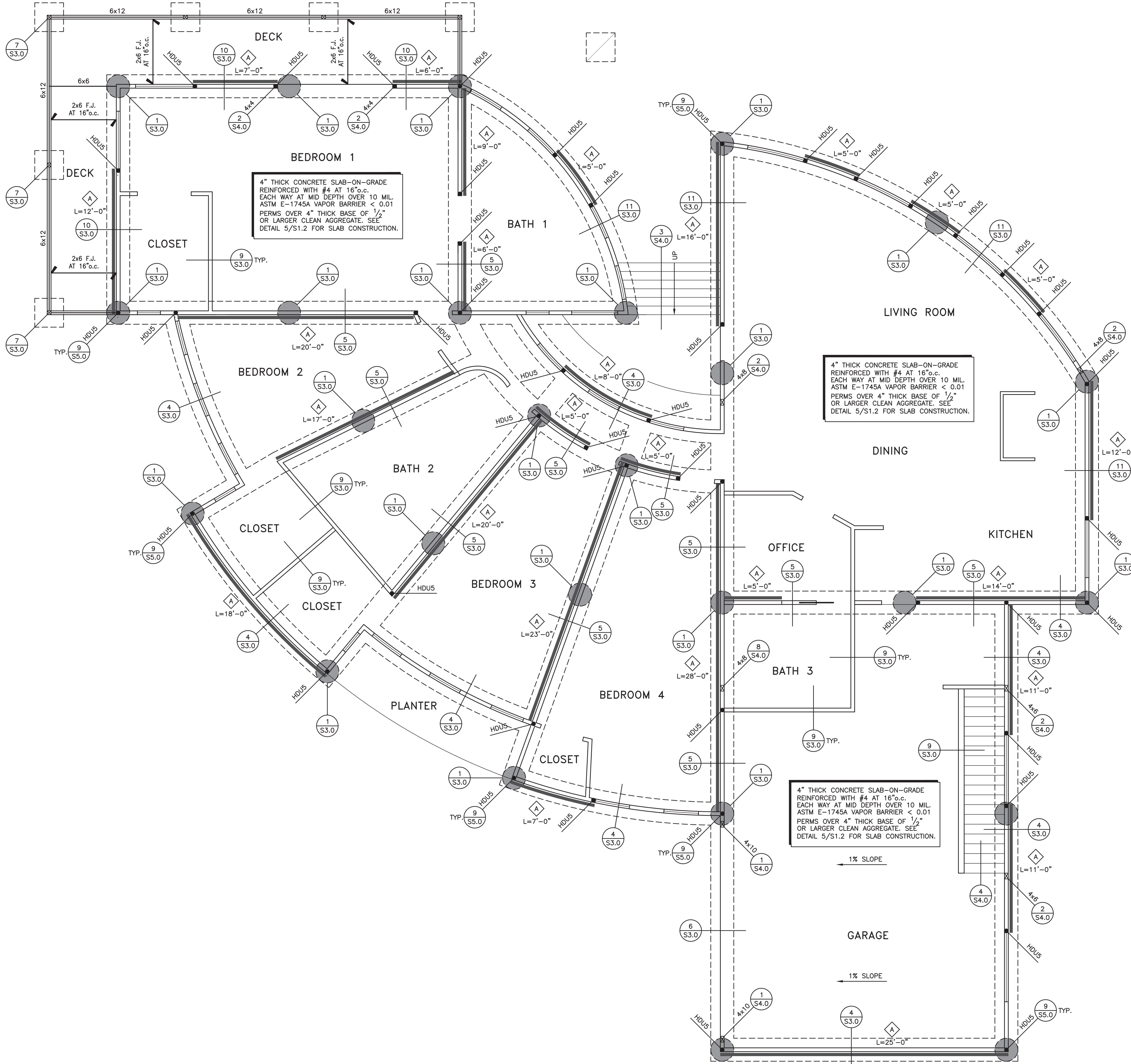
**THANG LE & ASSOCIATES**  
**STRUCTURAL ENGINEERS, INC.**  
 319 E. FOOTHILL BLVD., SUITE C  
 ARCADIA, CALIFORNIA 91006  
 PHONE: (626) 731-1539



**LARSON RESIDENCE**  
 10818 CROTHERS ROAD  
 SAN JOSE, CALIFORNIA 95127

**TYPICAL BAMCORE DETAILS**

**S1.3**



**FOUNDATION PLAN**  
 SCALE: 1/4"=1'-0"

- NOTES:**
- ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS AND COLUMNS ARE CENTERED ON GRIDS U.O.N. WALL FOOTINGS ARE CENTERED BENEATH WALLS U.O.N.
  - SEE SHEET S1.1 FOR GENERAL STRUCTURAL NOTES.
  - SEE SHEET S1.2 FOR TYPICAL CONCRETE DETAILS.
  - SEE SHEET S1.3 FOR TYPICAL WOOD DETAILS.
  - VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES. FOR MECH LINES BELOW FOUNDATION, STEP AND THICKEN FOOTING AS INDICATED IN DETAIL 4/S1.2.
  - VERIFY SHOWN DIMENSIONS WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO CONSTRUCTION.
  - FOR TYPICAL FOOTING/WALL CORNER BAR REINFORCING SEE 2/S1.2.
  - DESIGNATES BAMCORE PRIME SHEAR WALL PANEL. NAILING SCHEDULE SEE SHEET S6.0.
  - DESIGNATES SIMPSON HOLD-DOWN TO NEW FOOTING SEE 9/S6.0.
  - DESIGNATES GRADE BEAM. SEE PLAN FOR REINFORCEMENT.
  - DESIGNATES CONCRETE PILE. SEE PLAN FOR REINFORCEMENT.
  - MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5/8" DIA. A.B. AT 48"o.c. WITH 7" EMBEDMENT, AND 3"x3"x0.229" STAINLESS STEEL PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 7" MINIMUM FROM THE END OF THE PLATE AND SPACED NOT MORE THAN 4 FEET APART.
  - PLATE WASHERS ARE REQUIRED FOR ALL HOLD-DOWNS.
  - HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS. HOLD-DOWNS SHALL BE TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.299 INCH BY 3 INCHES BY 3 INCHES.
  - ALL ANCHOR BOLTS (INCLUDING HOLD-DOWN BOLT ANCHORS) SHALL HAVE MINIMUM EDGE DISTANCE OF 1 3/4".
  - FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIP ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.
  - FOUNDATION SILLS SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
  - ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS.
  - ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
  - ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.
  - HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.
  - NUTS OF THE PRIMARY AND SECONDARY ANCHORS FASTENERS SHALL BE WRENCH TIGHTENED PRIOR TO INSPECTION AND COVERING.
  - POWER-DRIVEN FASTENERS SHALL NOT BE USED TO ANCHOR SILL PLATES EXCEPT AT INTERIOR NONBEARING WALLS NOT DESIGNED AS SHEAR WALLS.
  - PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.
  - IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.
  - ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPAN SHALL CONFORM WITH TABLE 2304.8.

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**THANG LE & ASSOCIATES**  
**STRUCTURAL ENGINEERS, INC.**  
 319 E. FOOTHILL BLVD., SUITE C  
 ARCADIA, CALIFORNIA 91006  
 PHONE: (626) 731-1539

REGISTERED PROFESSIONAL ENGINEER  
 S 4978  
 EXP 06/30/24  
 STRUCTURAL  
 STATE OF CALIFORNIA  
 07.05.2022

**LARSON RESIDENCE**  
 10818 CROTHERS ROAD  
 SAN JOSE, CALIFORNIA 95127

**FOUNDATION PLAN**

**S2.1**



# MEZZANINE FRAMING PLAN

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

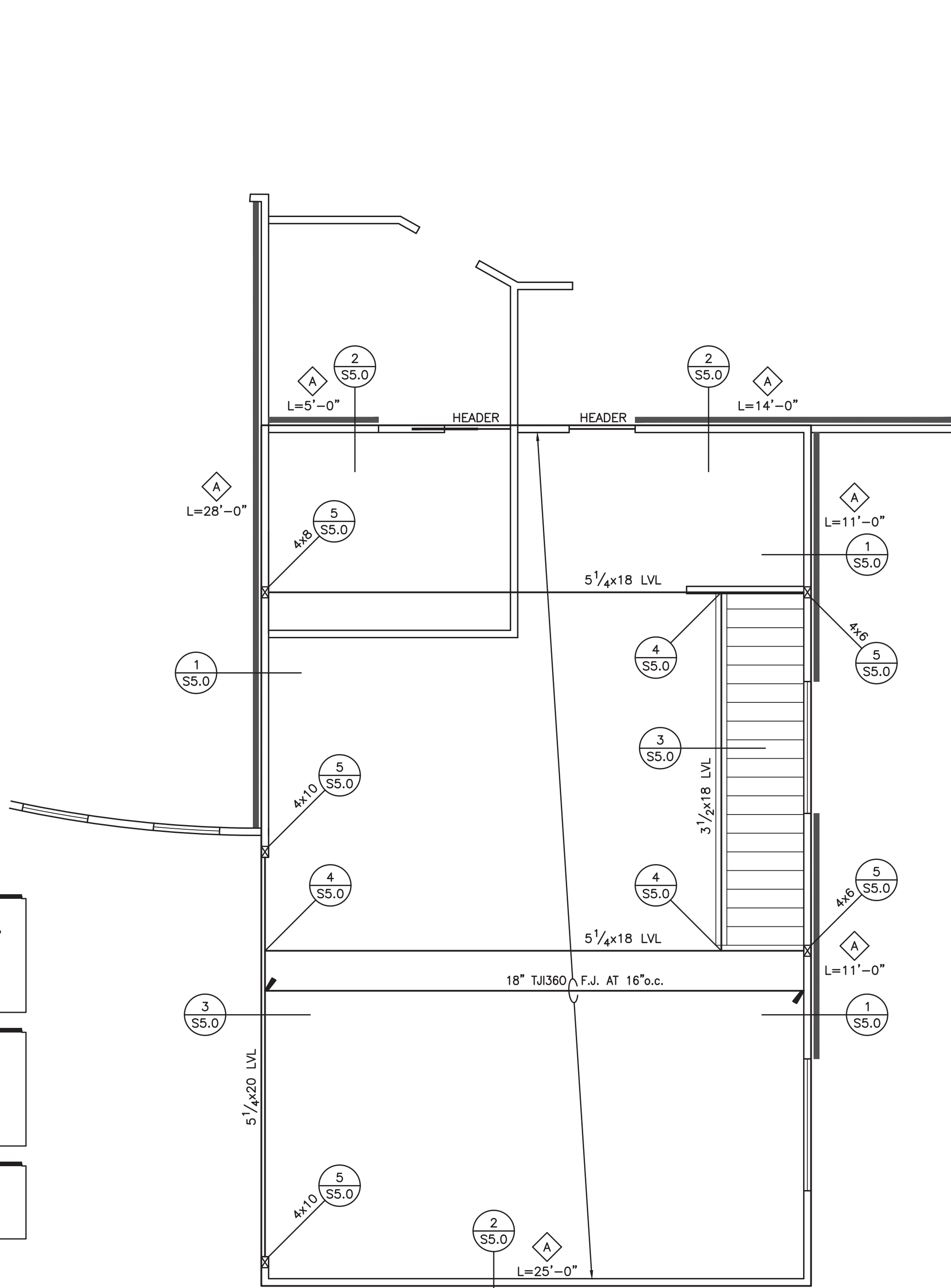
### NOTES:

- ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS AND COLUMNS ARE CENTERED ON U.O.N. WALL FOOTINGS ARE CENTERED BENEATH WALLS U.O.N.
- SEE SHEET S1.1 FOR GENERAL STRUCTURAL NOTES.
- SEE SHEET S1.2 FOR TYPICAL CONCRETE DETAILS.
- SEE SHEET S1.3 FOR TYPICAL WOOD DETAILS.
- VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES. FOR MECH LINES BELOW FOUNDATION, STEP AND THICKEN FOOTING AS INDICATED IN DETAIL (S1.2)
- VERIFY SHOWN DIMENSIONS WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO CONSTRUCTION.
- FOR TYPICAL FOOTING/WALL CORNER BAR REINFORCING SEE (S1.2)
- DESIGNATES BAMCORE PRIME SHEAR WALL PANEL. NAILING SCHEDULE SEE SHEET S6.0.
- DESIGNATES SIMPSON HOLD-DOWN TO NEW FOOTING SEE (S6.0)
- DESIGNATES CONTINUOUS FOOTING. SEE PLAN FOR REINFORCEMENT.
- DESIGNATES CONCRETE PAD FOOTING. SEE PLAN FOR REINFORCEMENT.
- MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5/8" DIA. A.B. AT 48" o.c. WITH 7" EMBEDMENT, AND 3"x3"x0.229" STAINLESS STEEL PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 7" MINIMUM FROM THE END OF THE PLATE AND SPACED NOT MORE THAN 4 FEET APART.
- PLATE WASHERS ARE REQUIRED FOR ALL HOLD-DOWNS.
- HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS. HOLD-DOWNS SHALL BE TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.299 INCH BY 3 INCHES BY 3 INCHES.
- ALL ANCHOR BOLTS (INCLUDING HOLD-DOWN BOLT ANCHORS) SHALL HAVE MINIMUM EDGE DISTANCE OF 1 3/4".
- FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIP ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.
- FOUNDATION SILLS SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
- ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS.
- ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
- ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.
- HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.
- NUTS OF THE PRIMARY AND SECONDARY ANCHORS FASTENERS SHALL BE WRENCH TIGHTENED PRIOR TO INSPECTION AND COVERING.
- POWER-DRIVEN FASTENERS SHALL NOT BE USED TO ANCHOR SILL PLATES EXCEPT AT INTERIOR NONBEARING WALLS NOT DESIGNED AS SHEAR WALLS.
- PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.
- IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.
- ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPAN SHALL CONFORM WITH TABLE 2304.8.

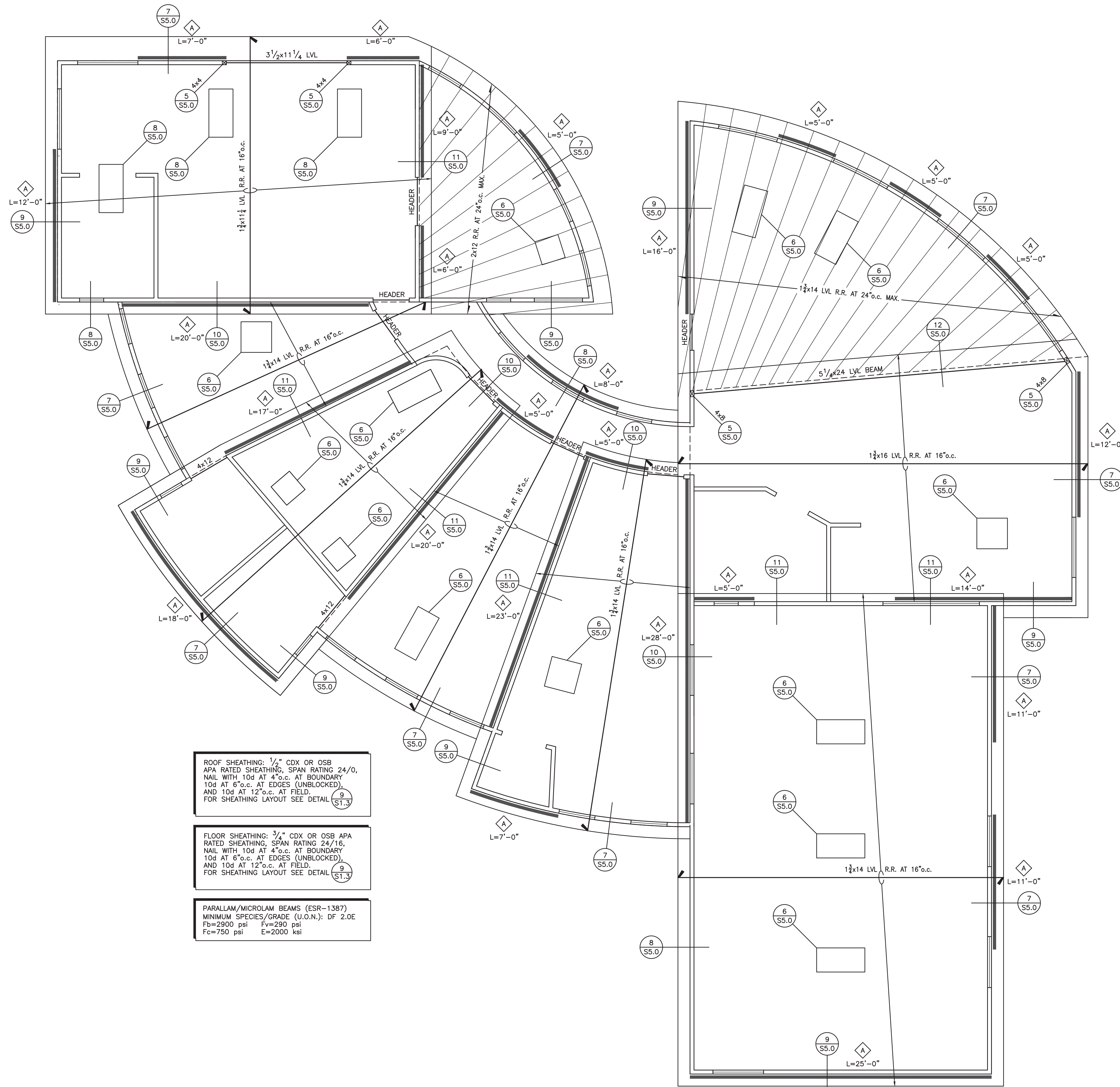
ROOF SHEATHING: 1/2" CDX OR OSB  
APA RATED SHEATHING, SPAN RATING 24/0,  
NAIL WITH 10d AT 4" o.c. AT BOUNDARY  
10d AT 6" o.c. AT EDGES (UNBLOCKED),  
AND 10d AT 12" o.c. AT FIELD.  
FOR SHEATHING LAYOUT SEE DETAIL (S1.3)

FLOOR SHEATHING: 3/4" CDX OR OSB APA  
RATED SHEATHING, SPAN RATING 24/16,  
NAIL WITH 10d AT 4" o.c. AT BOUNDARY  
10d AT 6" o.c. AT EDGES (UNBLOCKED),  
AND 10d AT 12" o.c. AT FIELD.  
FOR SHEATHING LAYOUT SEE DETAIL (S1.3)

PARALLAM/MICROLAM BEAMS (ESR-1387)  
MINIMUM SPECIES/GRADE (U.O.N.): DF 2.0E  
Fb=2900 psi Fv=290 psi  
Fc=750 psi E=2000 ksi



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<b>THANG LE &amp; ASSOCIATES</b> <b>STRUCTURAL ENGINEERS, INC.</b> 319 E. FOOTHILL BLVD., SUITE C ARCADIA, CALIFORNIA 91006 PHONE: (626) 731-1539	
<b>LARSON RESIDENCE</b> 10818 CROTHERS ROAD SAN JOSE, CALIFORNIA 95127	
<b>MEZZANINE FRAMING PLAN</b>	
<b>S2.2</b>	



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

- NOTES:**
- ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS AND COLUMNS ARE CENTERED ON GRIDS U.O.N. WALL FOOTINGS ARE CENTERED BENEATH WALLS U.O.N.
  - SEE SHEET S1.1 FOR GENERAL STRUCTURAL NOTES.
  - SEE SHEET S1.2 FOR TYPICAL CONCRETE DETAILS.
  - SEE SHEET S1.3 FOR TYPICAL WOOD DETAILS.
  - VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES. FOR MECH LINES BELOW FOUNDATION, STEP AND THICKEN FOOTING AS INDICATED IN DETAIL (4/S1.2)
  - VERIFY SHOWN DIMENSIONS WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO CONSTRUCTION.
  - FOR TYPICAL FOOTING/WALL CORNER BAR REINFORCING SEE (2/S1.2)
  - DESIGNATES BAMCORE PRIME SHEAR WALL PANEL. NAILING SCHEDULE SEE SHEET S6.0.
  - DESIGNATES SIMPSON HOLD-DOWN TO NEW FOOTING SEE (9/S6.0)
  - DESIGNATES CONTINUOUS FOOTING SEE PLAN FOR REINFORCEMENT
  - DESIGNATES CONCRETE PAD FOOTING SEE PLAN FOR REINFORCEMENT
  - MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5/8" DIA. A.B. AT 48" O.C. WITH 7" EMBEDMENT, AND 3"x3"x0.229" STAINLESS STEEL PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 7" MINIMUM FROM THE END OF THE PLATE AND SPACED NOT MORE THAN 4 FEET APART.
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  - HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS. HOLD-DOWNS SHALL BE TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.299 INCH BY 3 INCHES BY 3 INCHES.
  - ALL ANCHOR BOLTS (INCLUDING HOLD-DOWN BOLT ANCHORS) SHALL HAVE MINIMUM EDGE DISTANCE OF 1 1/4".
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  - HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.
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  - POWER-DRIVEN FASTENERS SHALL NOT BE USED TO ANCHOR SILL PLATES EXCEPT AT INTERIOR NONBEARING WALLS NOT DESIGNED AS SHEAR WALLS.
  - PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.
  - IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.
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ROOF SHEATHING: 1/2" CDX OR OSB  
APA RATED SHEATHING, SPAN RATING 24/0,  
NAIL WITH 10d AT 4" O.C. AT BOUNDARY  
10d AT 6" O.C. AT EDGES (UNBLOCKED),  
AND 10d AT 12" O.C. AT FIELD.  
FOR SHEATHING LAYOUT SEE DETAIL (9/S1.3)

FLOOR SHEATHING: 3/4" CDX OR OSB APA  
RATED SHEATHING, SPAN RATING 24/16,  
NAIL WITH 10d AT 4" O.C. AT BOUNDARY  
10d AT 6" O.C. AT EDGES (UNBLOCKED),  
AND 10d AT 12" O.C. AT FIELD.  
FOR SHEATHING LAYOUT SEE DETAIL (9/S1.3)

PARALLAM/MICROLAM BEAMS (ESR-1387)  
MINIMUM SPECIES/GRADE (U.O.N.): DF 2.0E  
Fb=2900 psi Fv=290 psi  
Fc=750 psi E=2000 ksi

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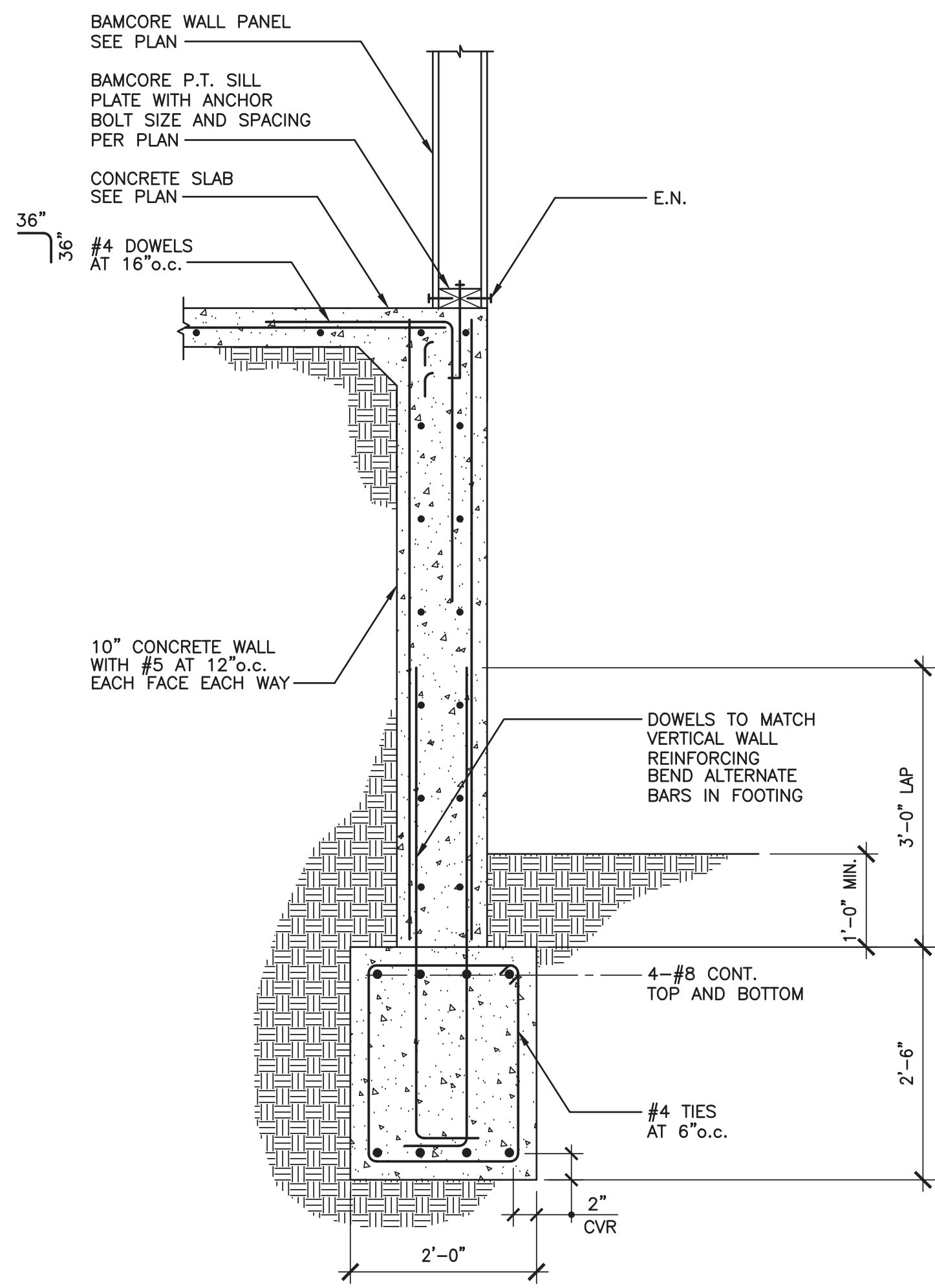
**THANG LE & ASSOCIATES  
STRUCTURAL ENGINEERS, INC.**  
319 E. FOOTHILL BLVD., SUITE C  
ARCADIA, CALIFORNIA 91006  
PHONE: (626) 731-1539

REGISTERED PROFESSIONAL ENGINEER  
S 4978  
EXP 06/30/24  
STRUCTURAL  
STATE OF CALIFORNIA  
07.05.2022

**LARSON RESIDENCE**  
10818 CROTHERS ROAD  
SAN JOSE, CALIFORNIA 95127

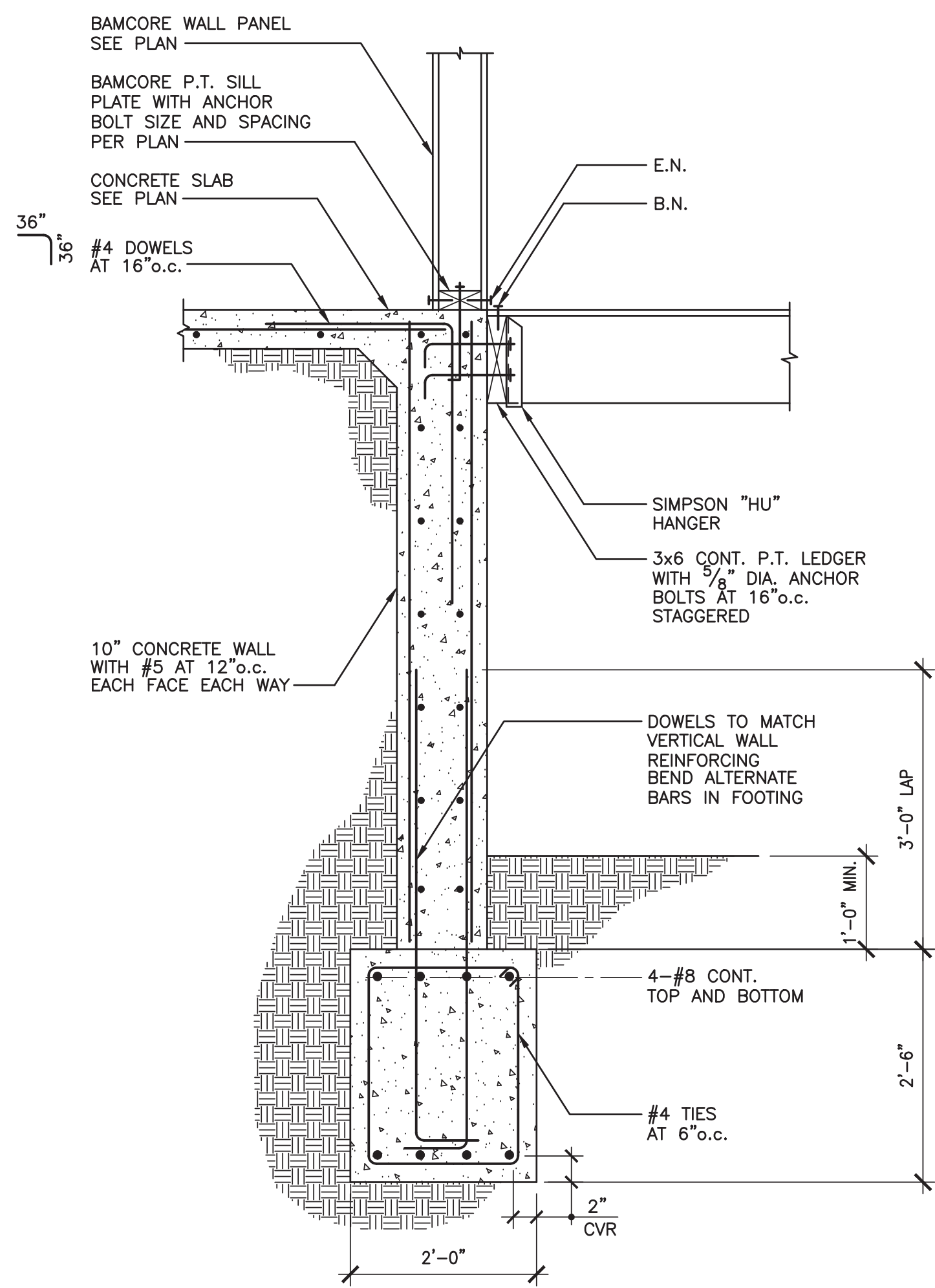
**ROOF  
FRAMING PLAN**

**S2.3**



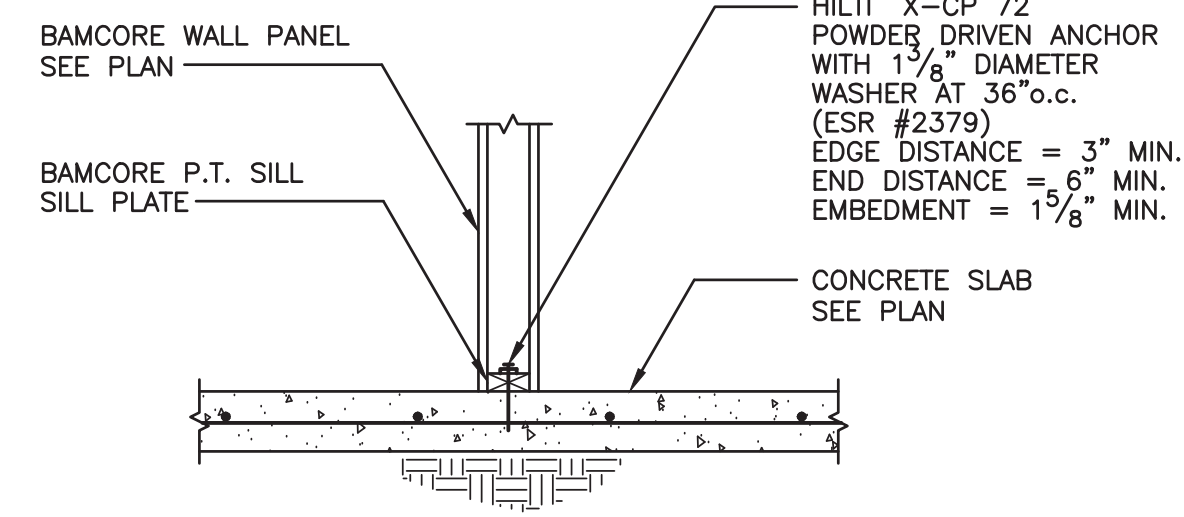
**WALL TO GRADE BEAM**

11



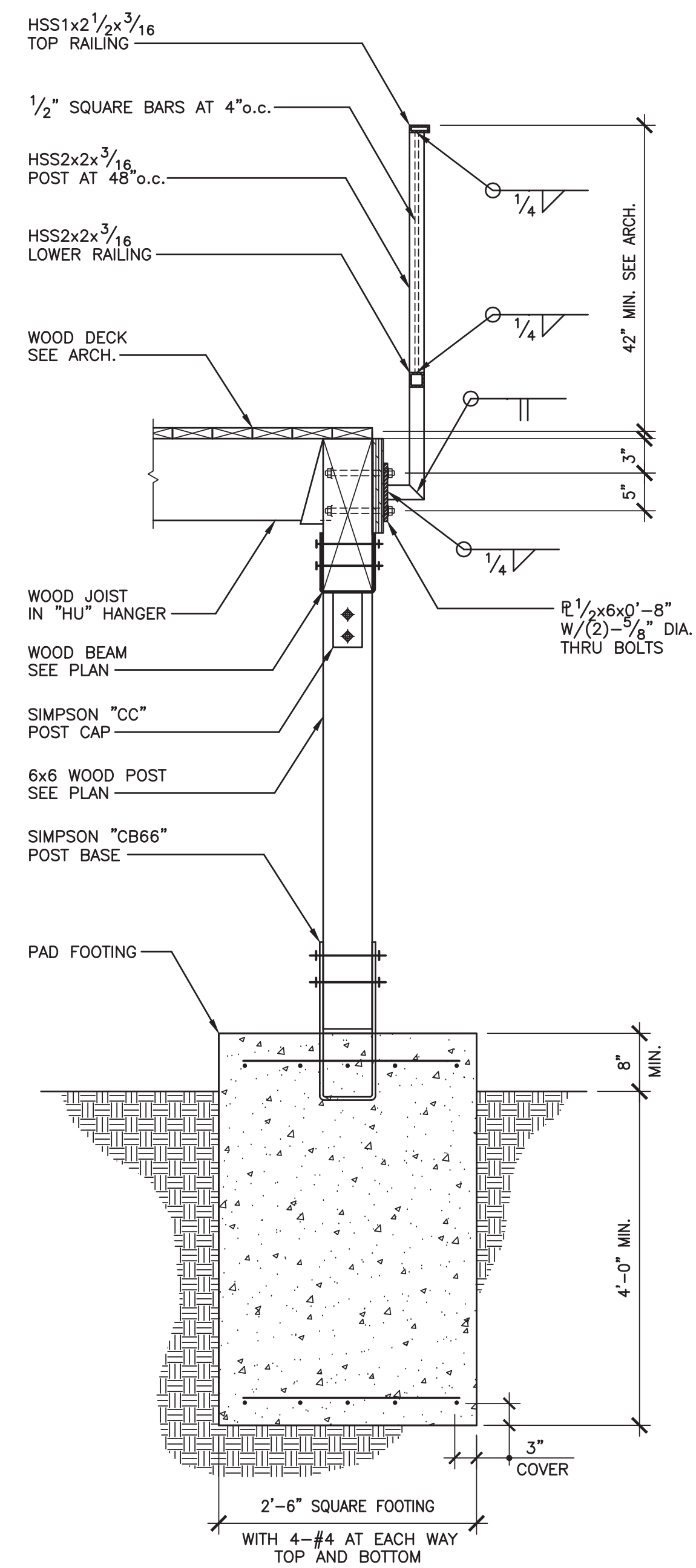
**WALL TO GRADE BEAM**

10



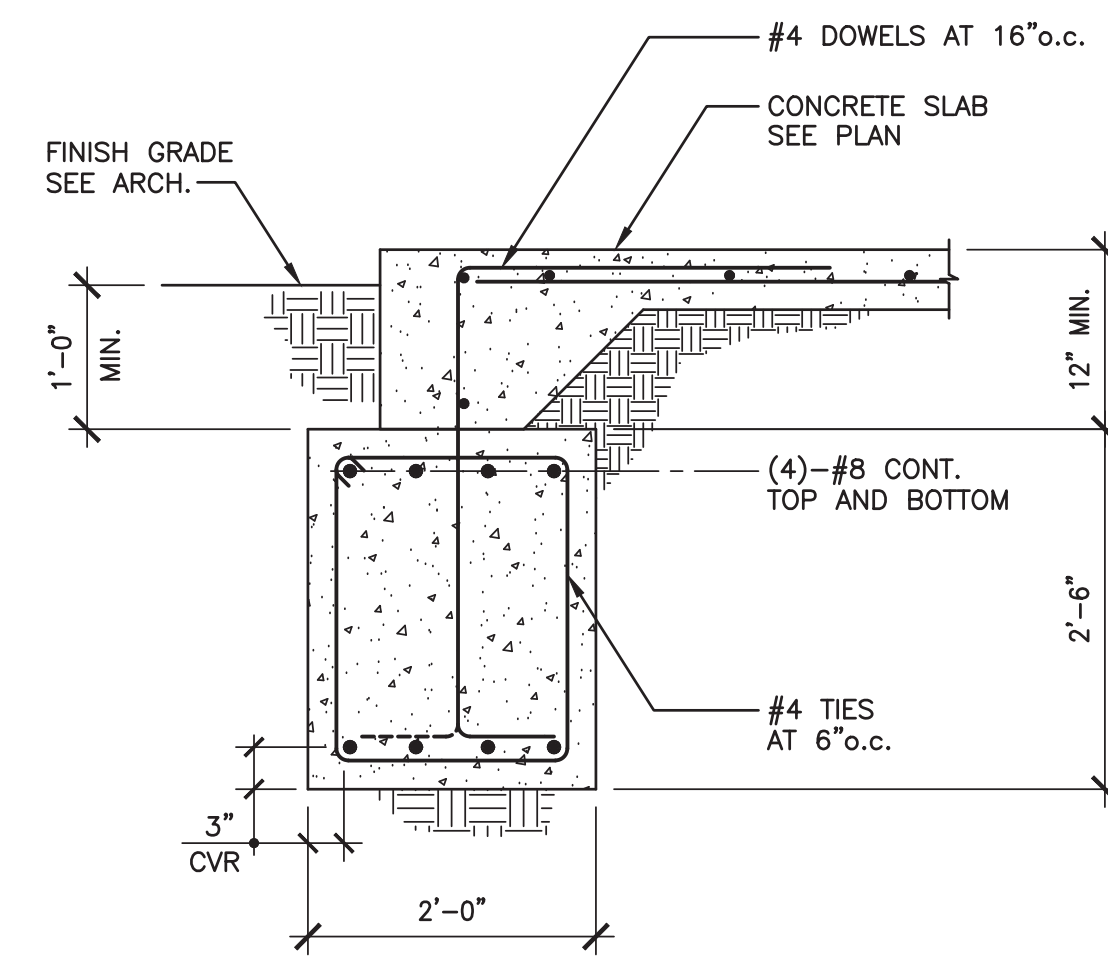
**TYP. NON-BEARING WALL**

9



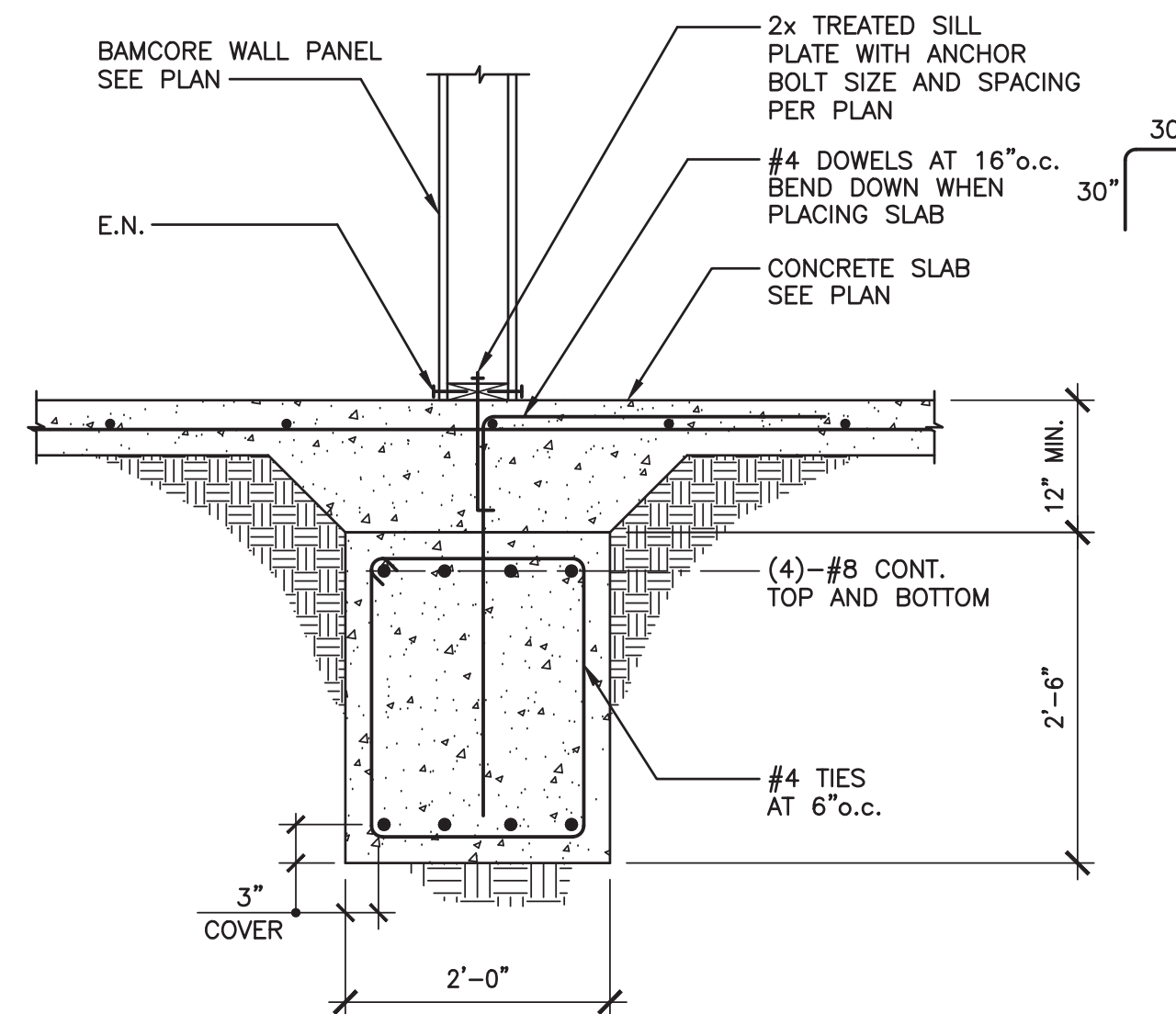
**WOOD POST TO FOOTING**

7



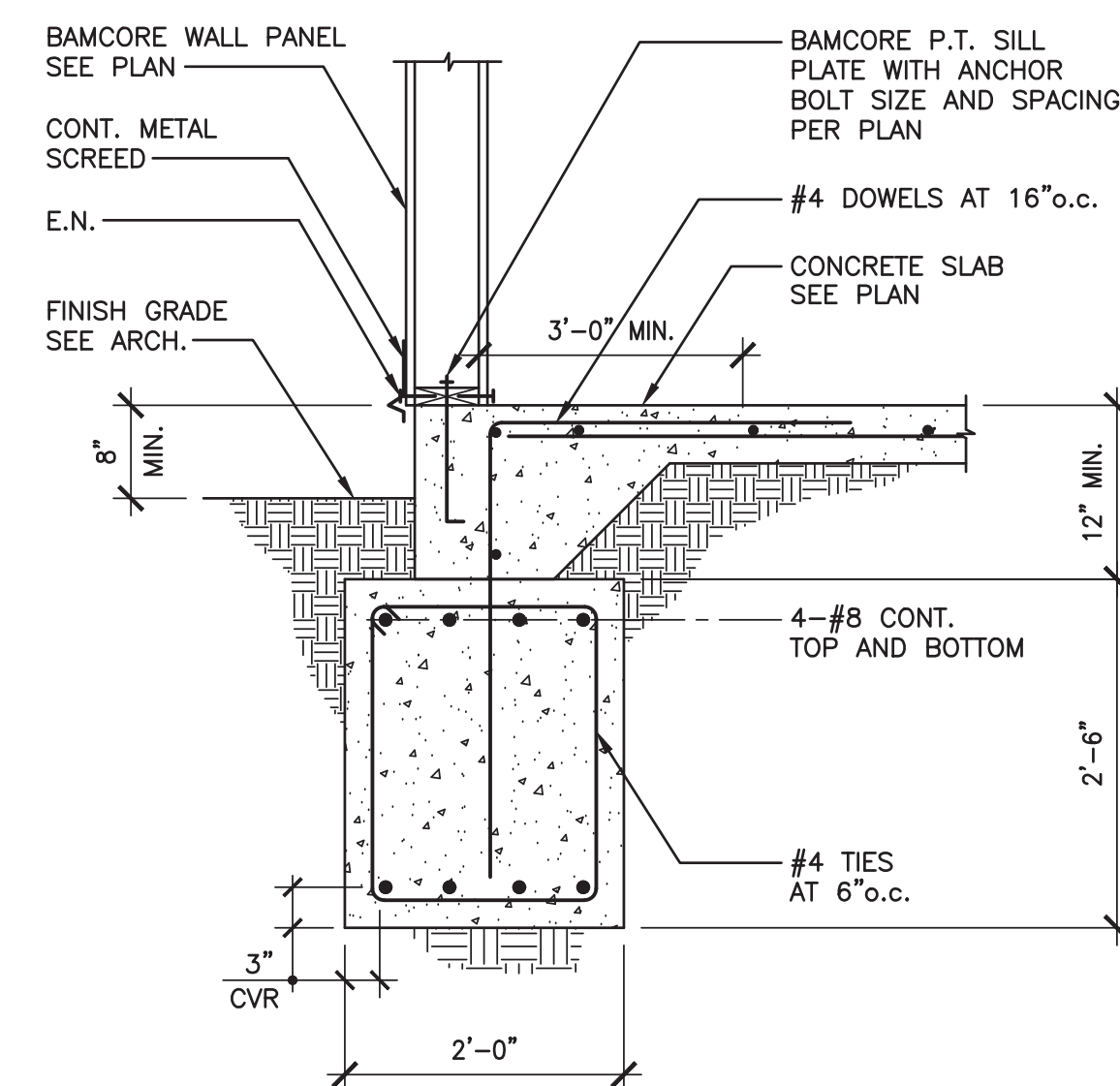
**SLAB AT ENTRY**

6



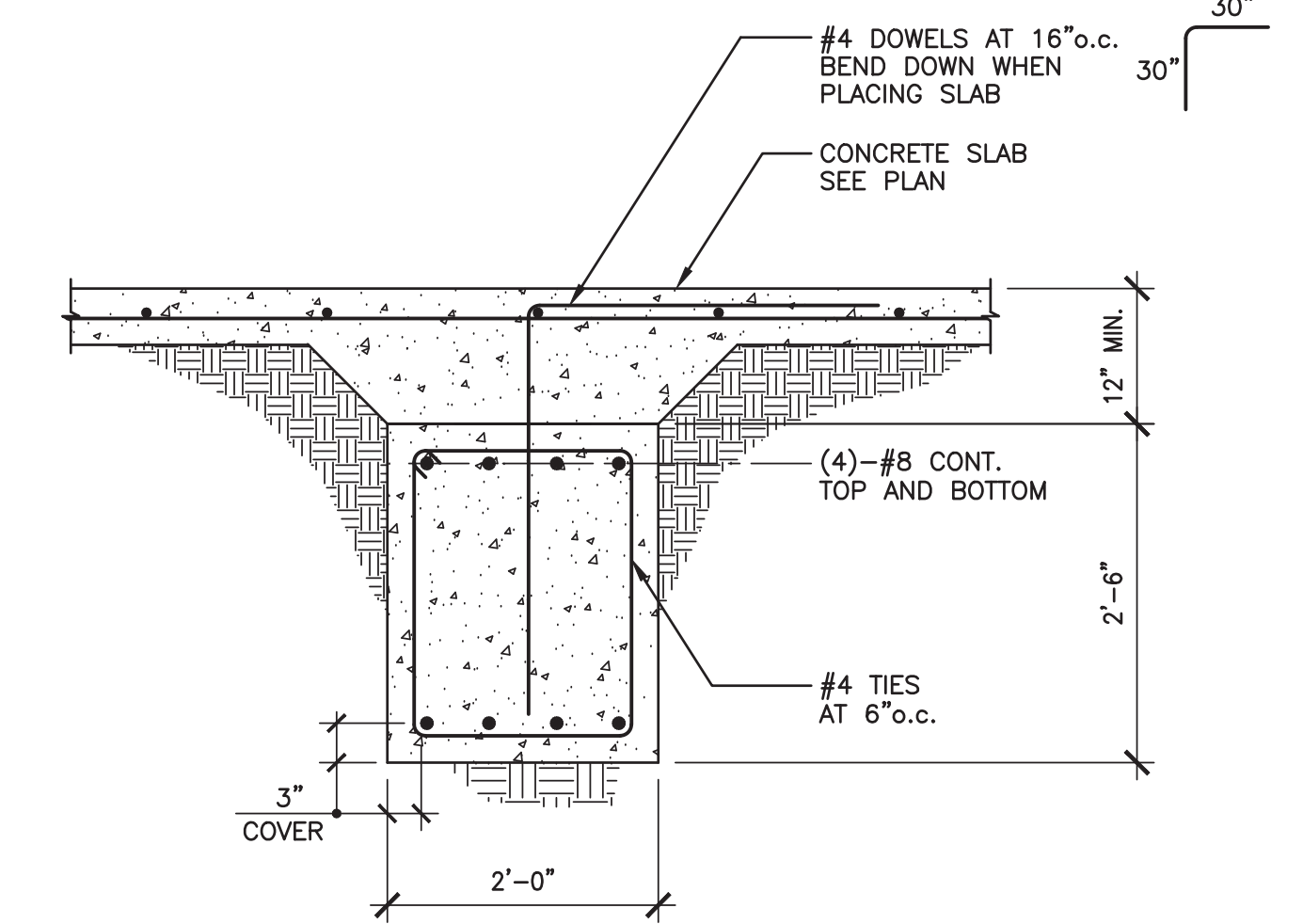
**TYP. INTERIOR GRADE BEAM**

5



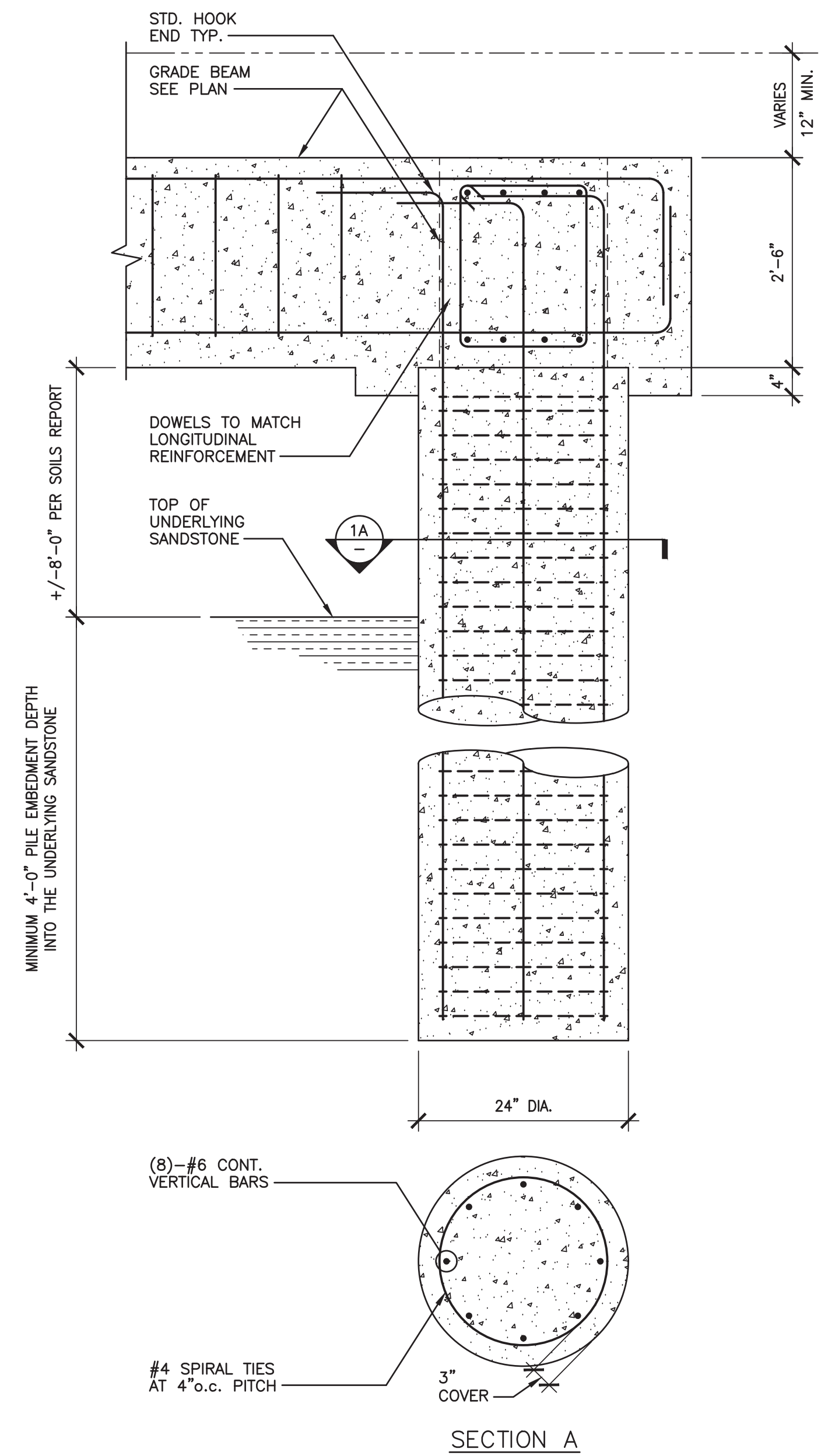
**WALL TO GRADE BEAM**

4



**TYP. INTERIOR GRADE BEAM**

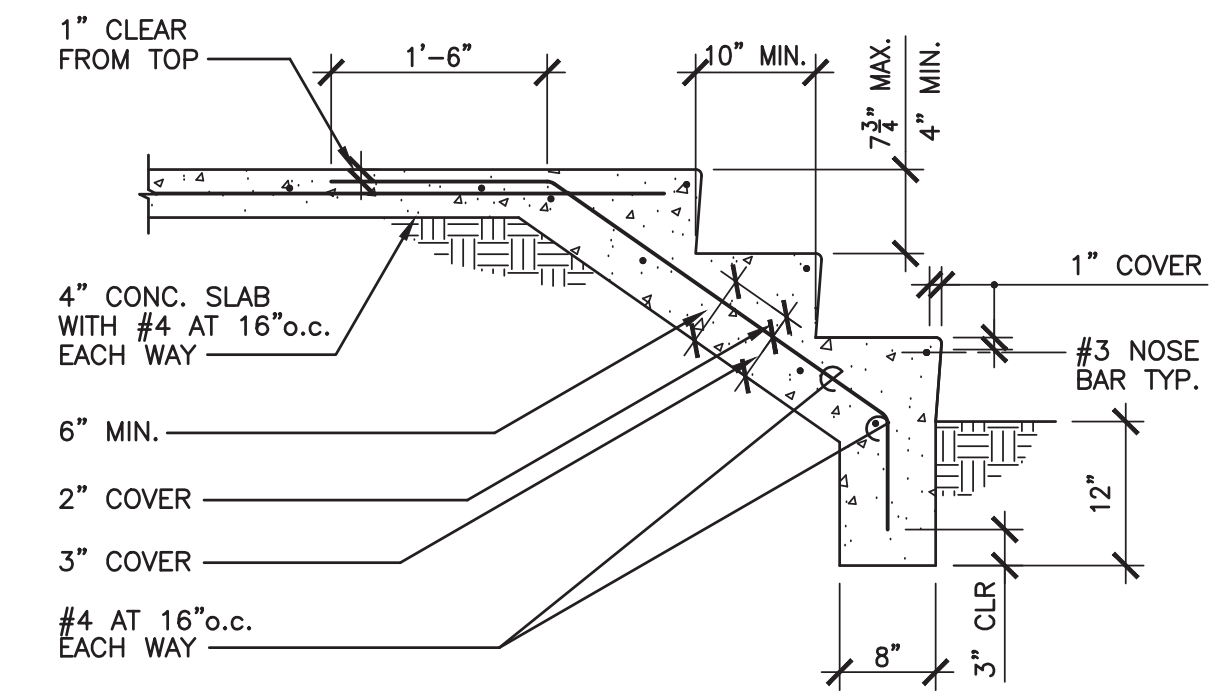
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**TYPICAL DRILLED PILE**

1

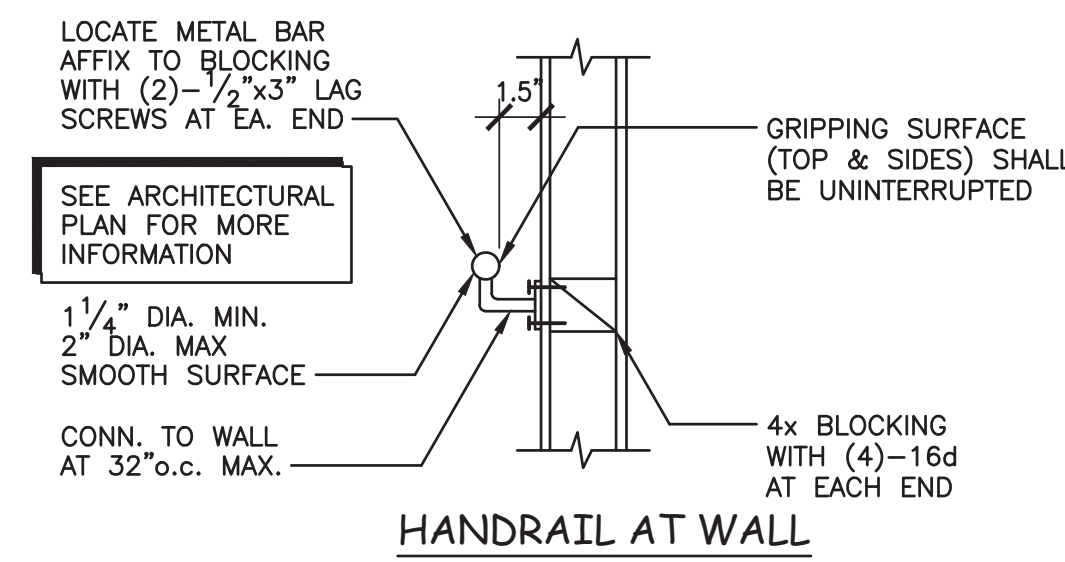
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REGISTERED PROFESSIONAL ENGINEER S 4978 EXP 06/30/24 THANG H. LE STRUCTURAL STATE OF CALIFORNIA 07.05.2022	
<b>LARSON RESIDENCE</b> 10818 CROTHERS ROAD SAN JOSE, CALIFORNIA 95127	
<b>FOUNDATION DETAILS</b>	
<b>S3.0</b>	



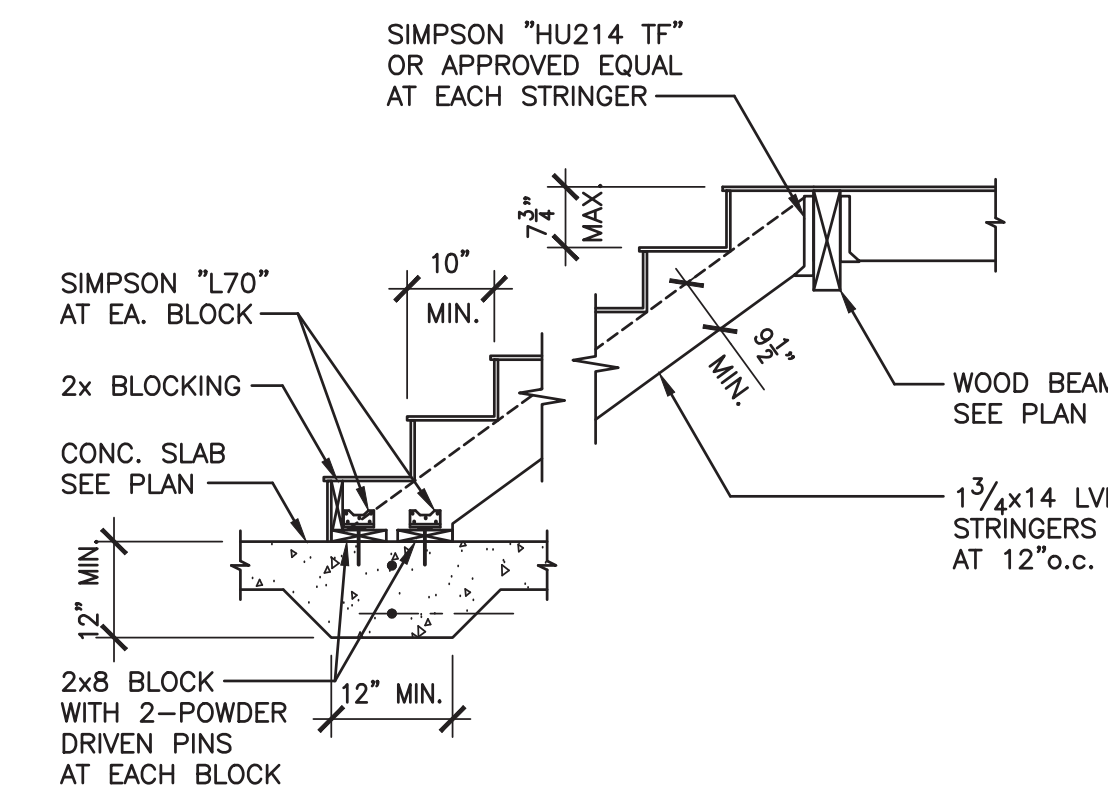
**TYP. STAIR ON GRADE**

3/4"-1"

3



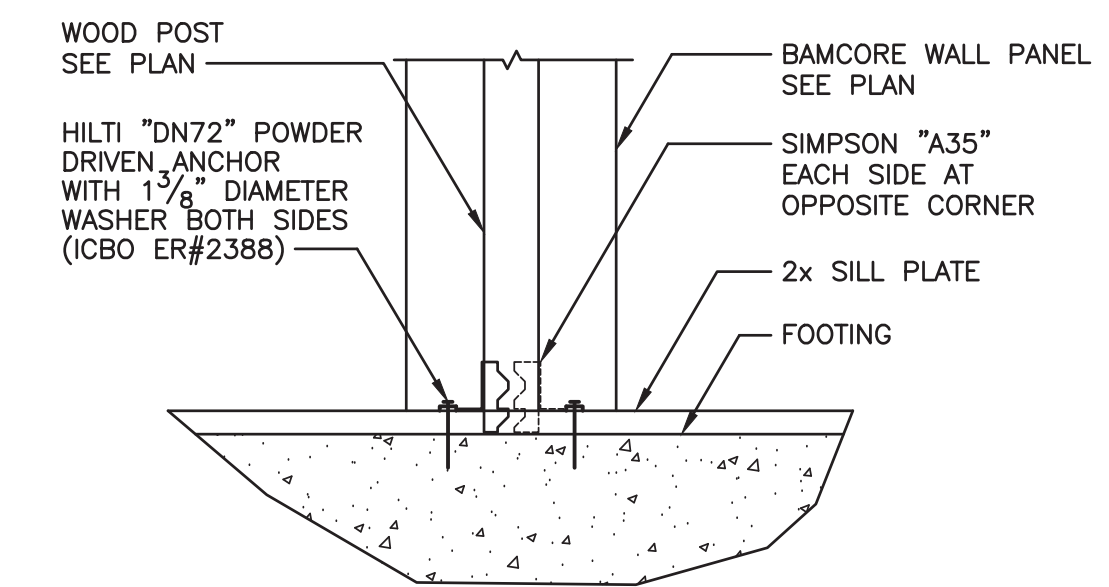
**HANDRAIL AT WALL**



**TYP. WOOD STAIR DETAIL**

3/8"-1"

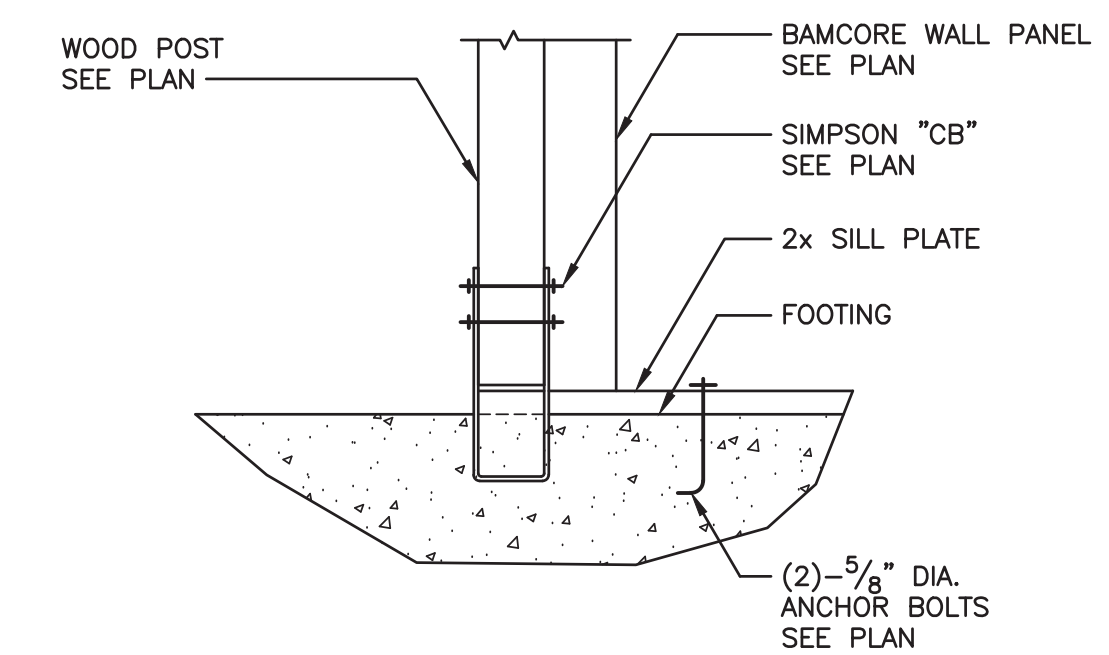
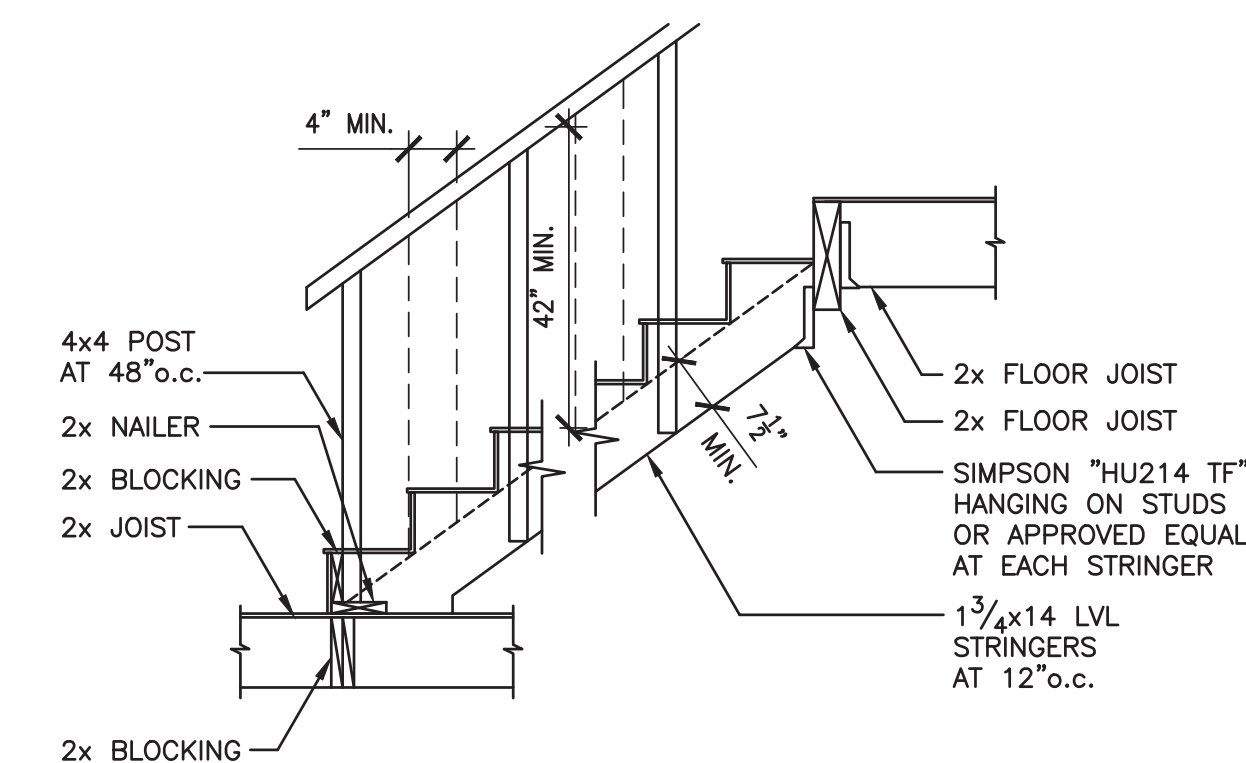
4



**POST TO SILL PLATE**

3/4"-1"

2



**POST TO STEM WALL**

3/4"-1"

1

No.	DATE	REVISION DESCRIPTION
1	07-05-2022	BUILDING DEPARTMENT SUBMITTAL

DATE ISSUED  
07-05-2022

DRAWN BY  
ML

CHECKED BY  
TL

**THANG LE & ASSOCIATES**  
STRUCTURAL ENGINEERS, INC.

319 E. FOOTHILL BLVD., SUITE C  
ARCADIA, CALIFORNIA 91006  
PHONE: (626) 731-1539



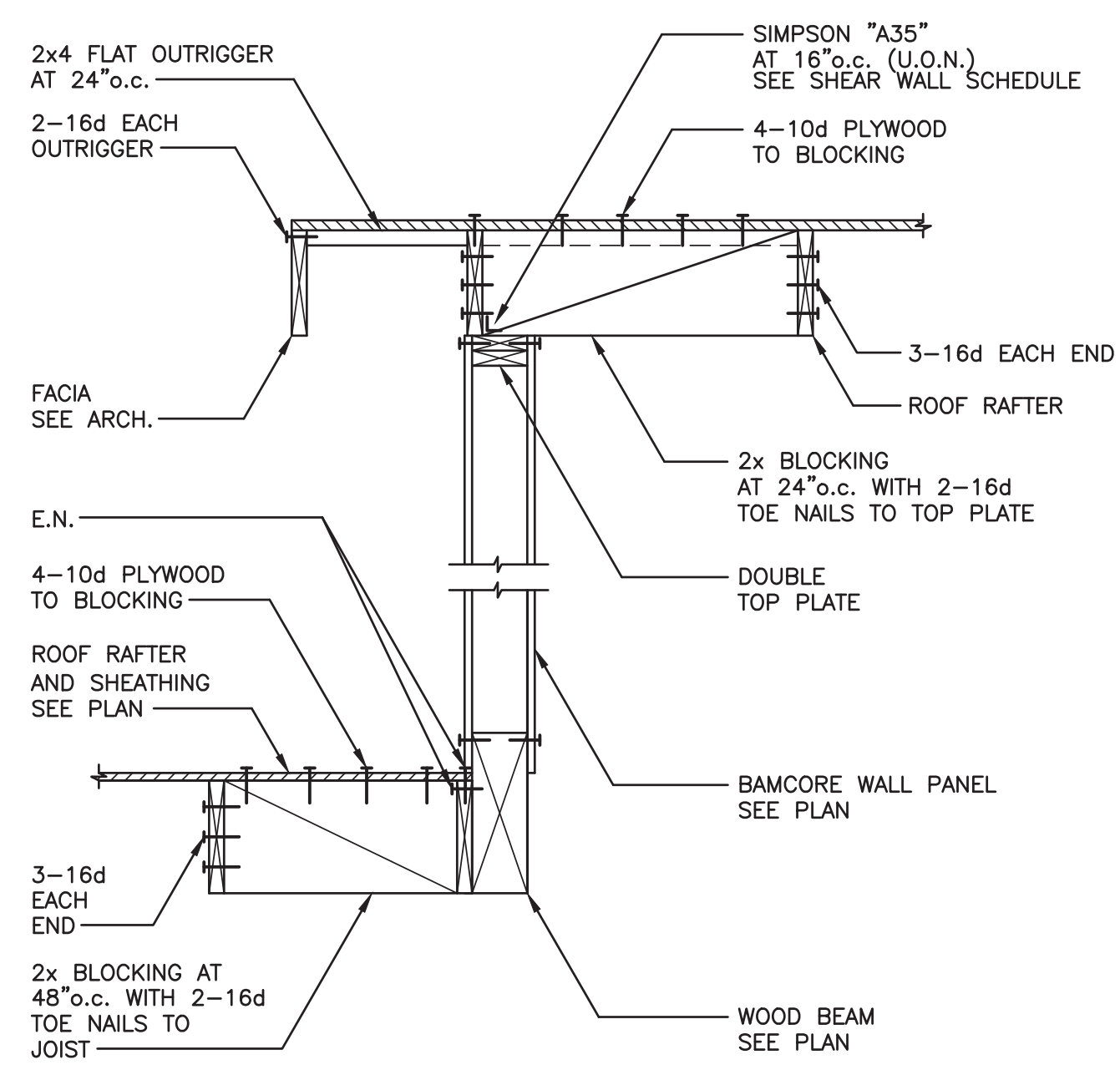
**LARSON RESIDENCE**

10818 CROTHERS ROAD  
SAN JOSE, CALIFORNIA 95127

**FOUNDATION DETAILS**

**S4.0**

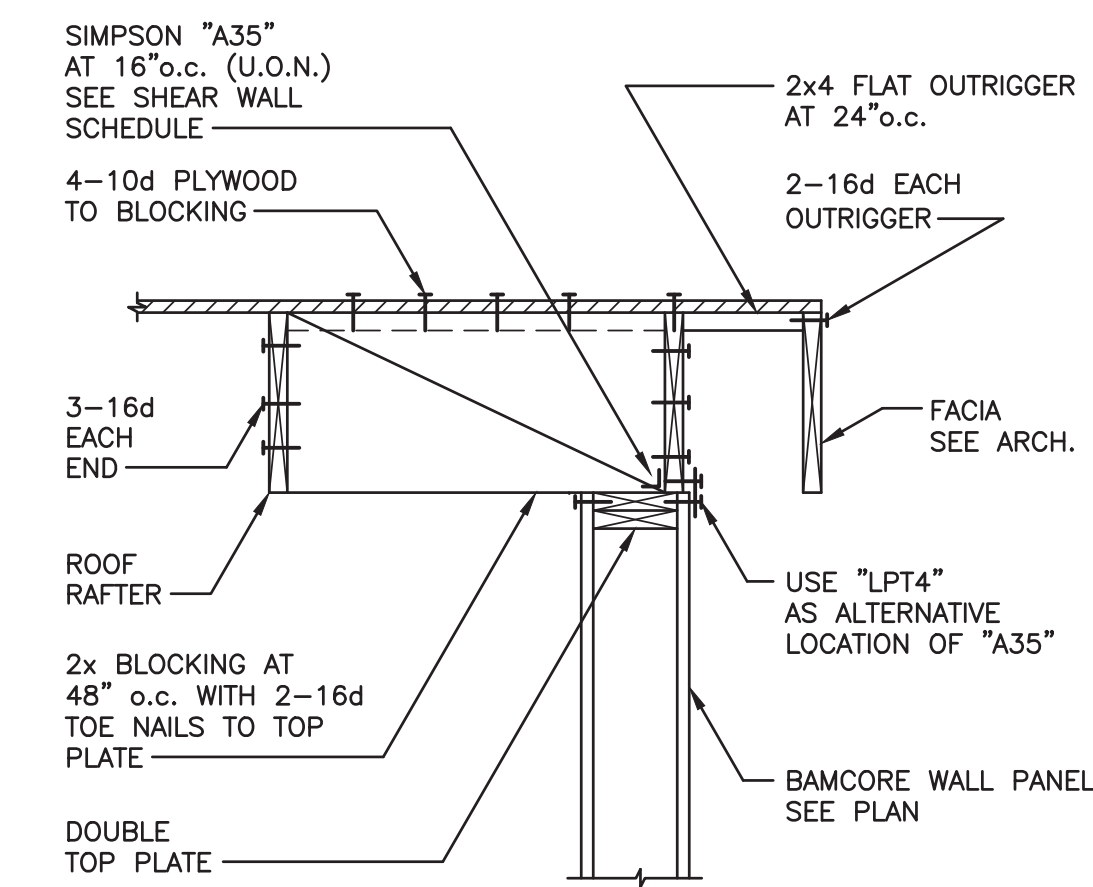




**INTERIOR ROOF GABLE**

3/4"-1"

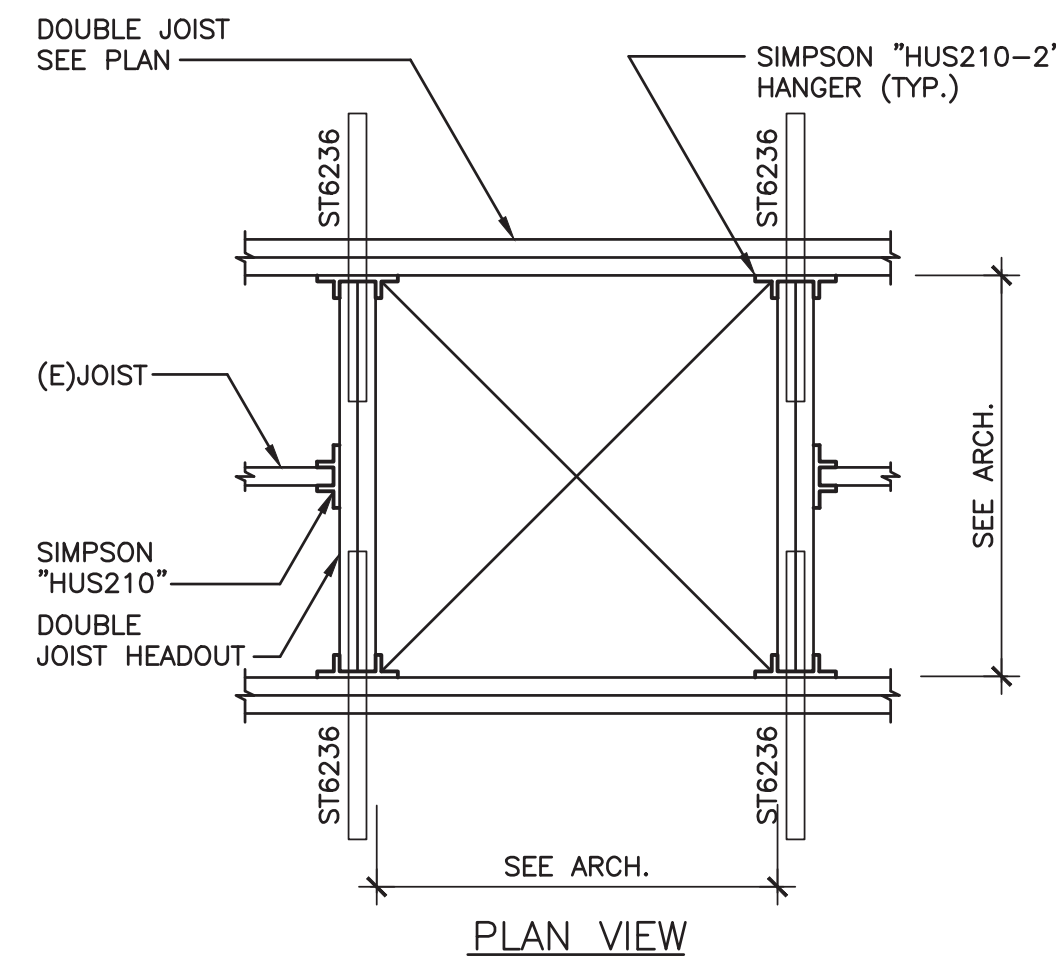
12



**ROOF JOIST // TO WALL**

3/4"-1"

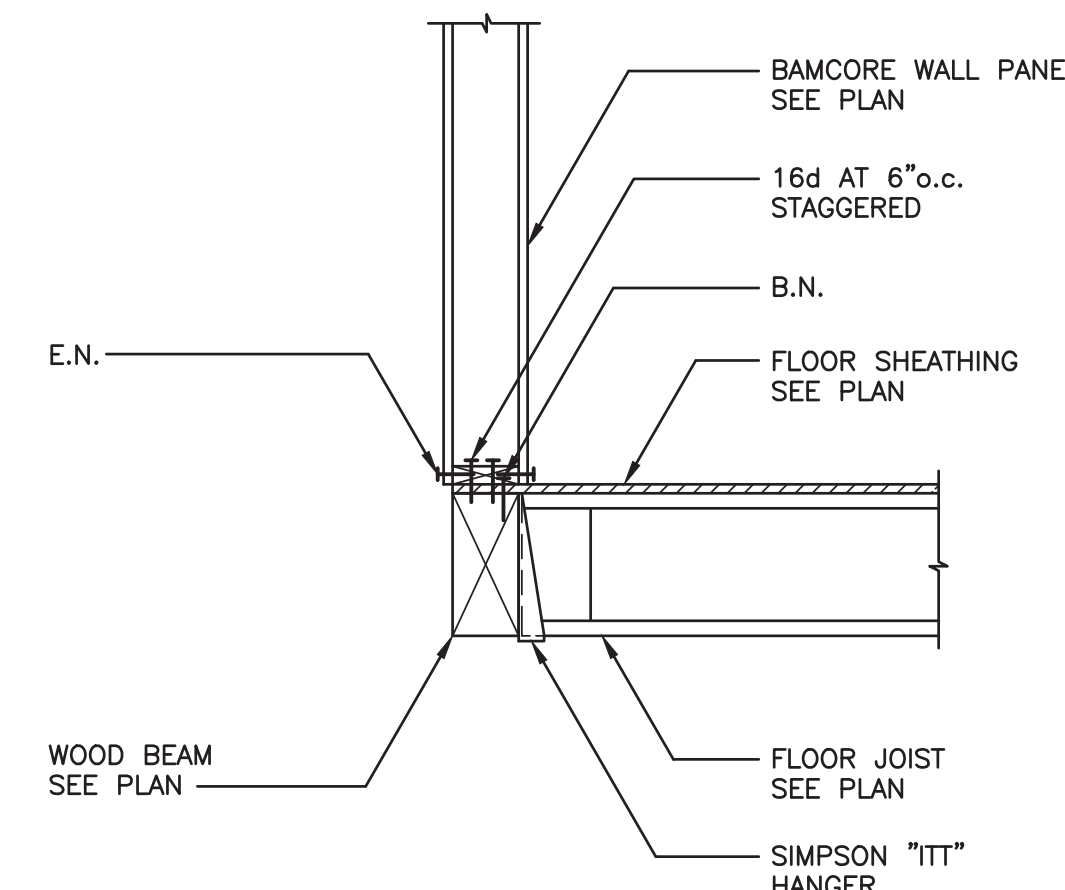
9



**ROOF OPENING & SKYLIGHT**

3/4"-1"

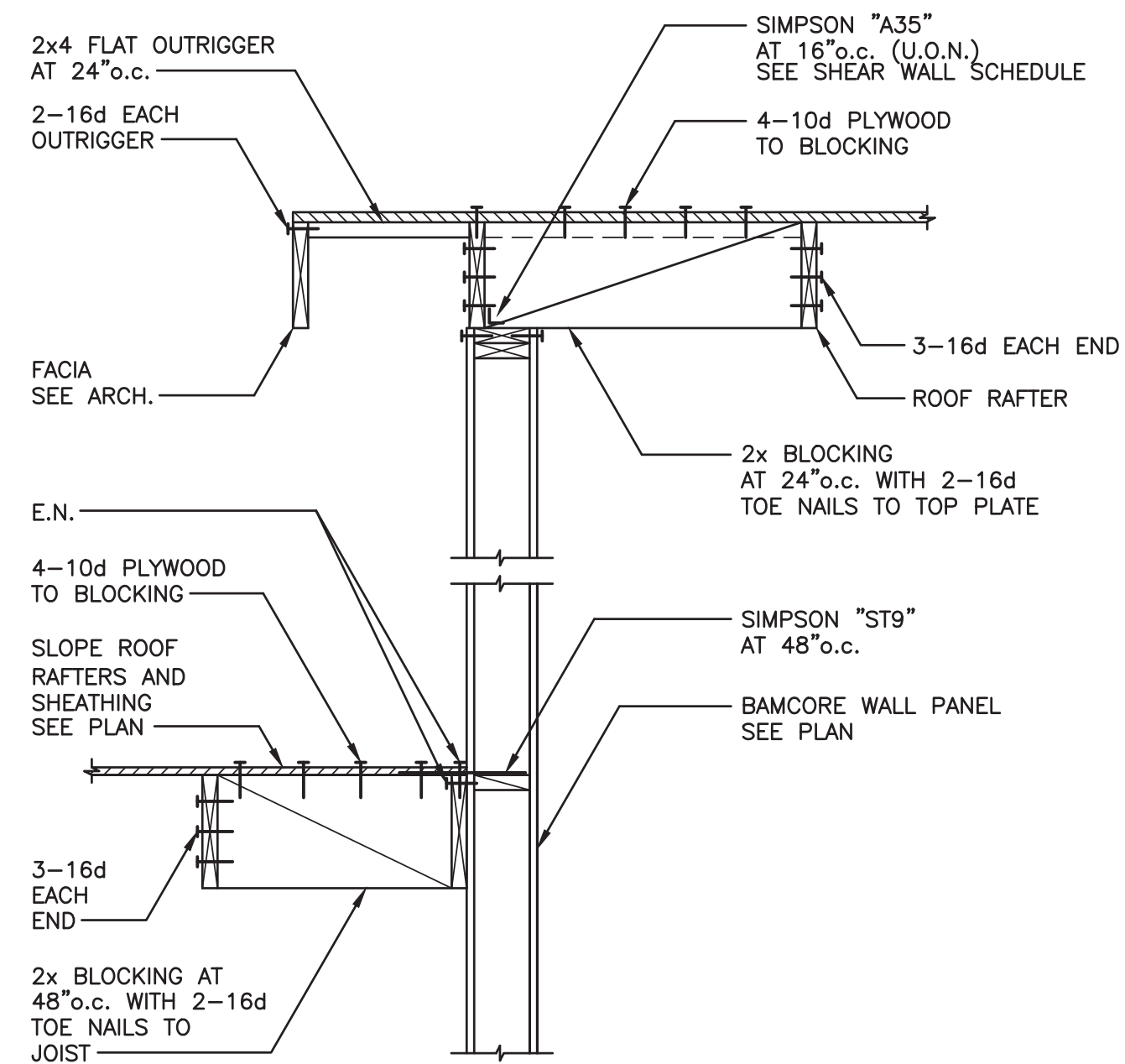
6



**WALL TO BEAM CONN.**

3/4"-1"

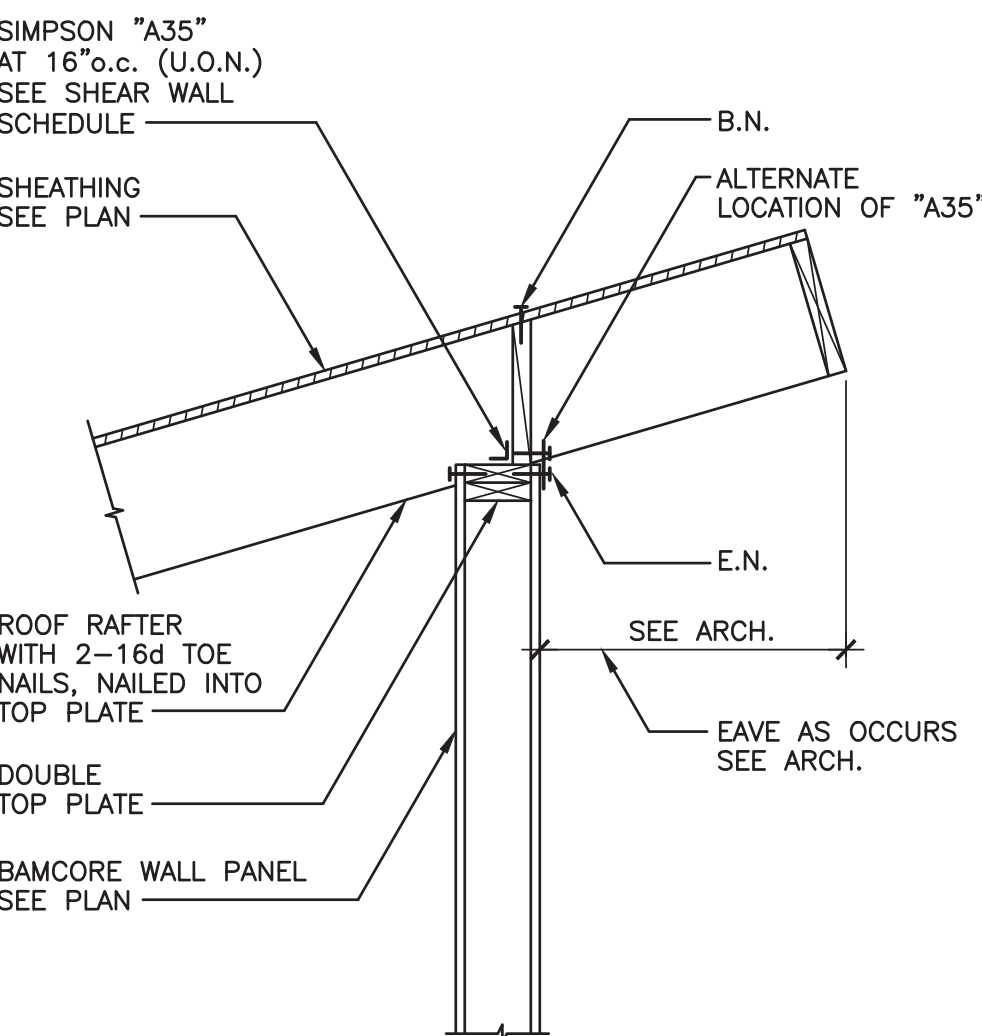
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**INTERIOR ROOF GABLE**

3/4"-1"

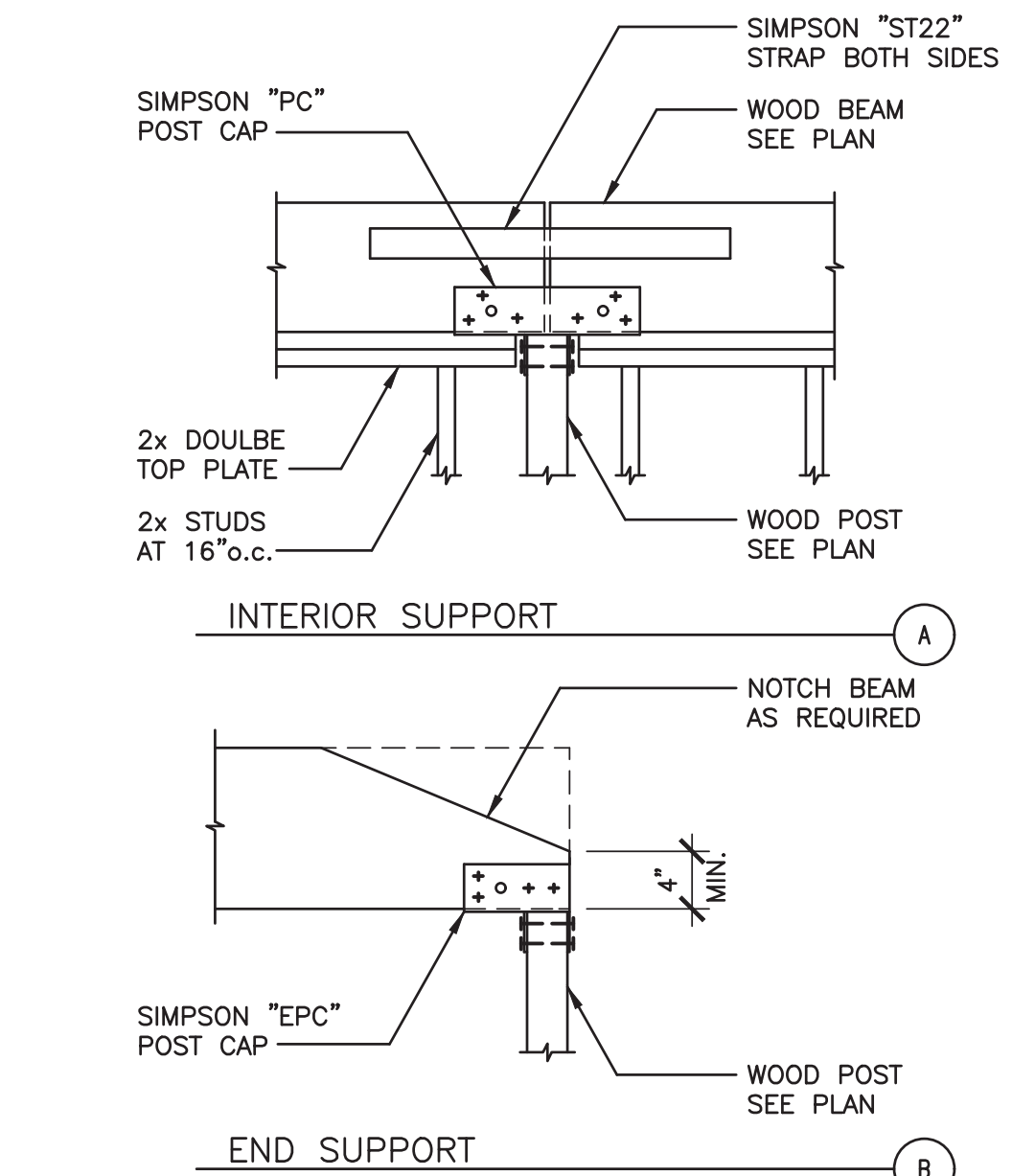
11



**TYPICAL RAFTER AT WALL**

3/4"-1"

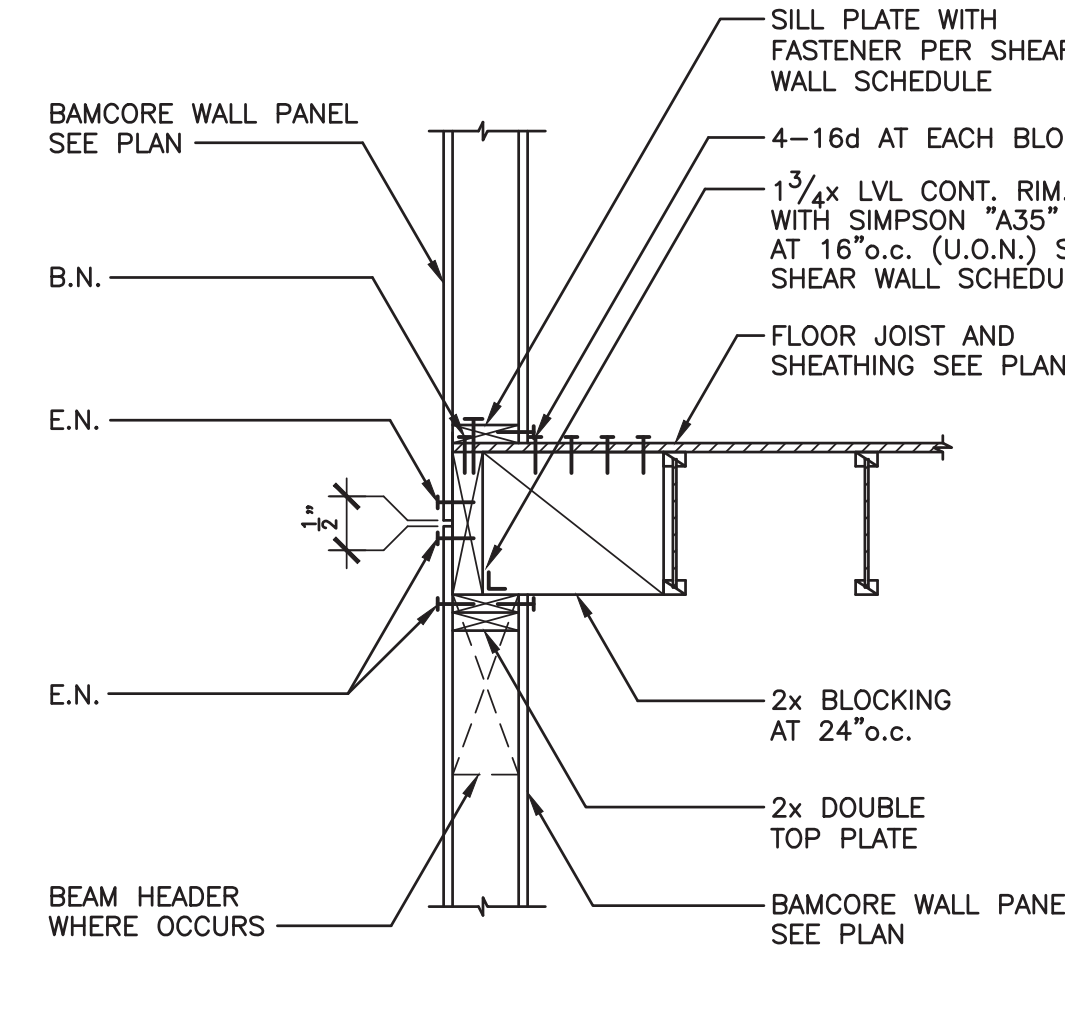
8



**BEAM TO POST**

3/4"-1"

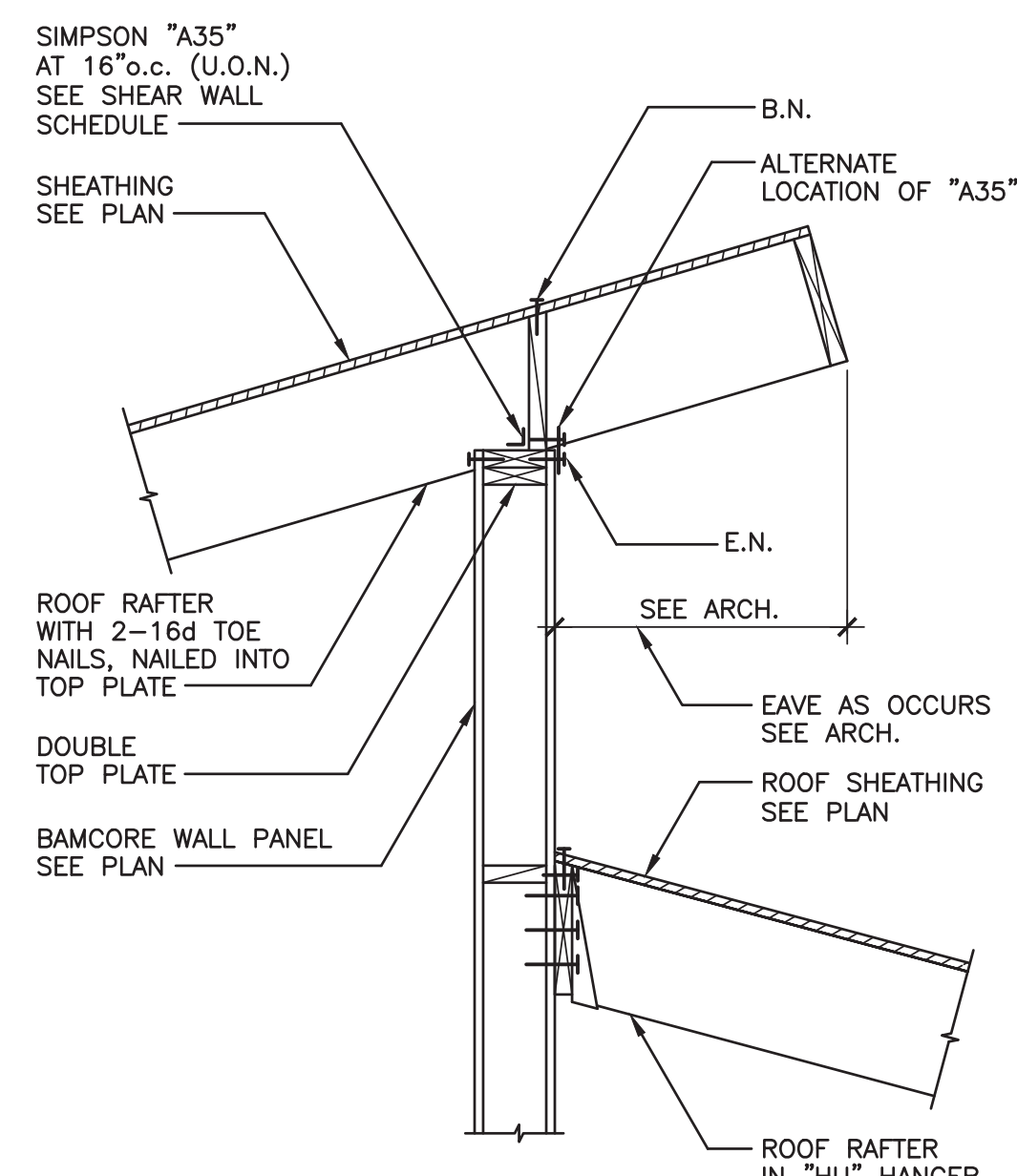
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**TJI JOIST // TO WALL**

3/4"-1"

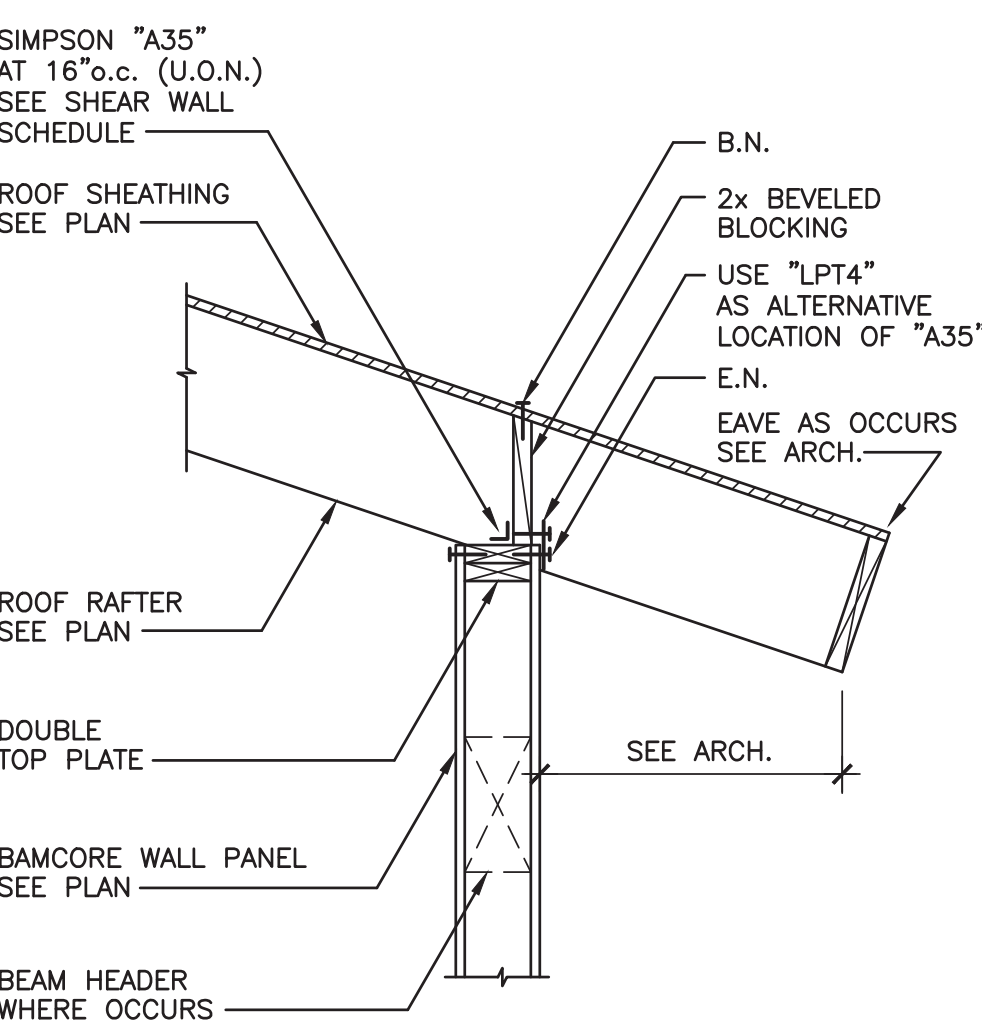
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**TYPICAL RAFTER AT WALL**

3/4"-1"

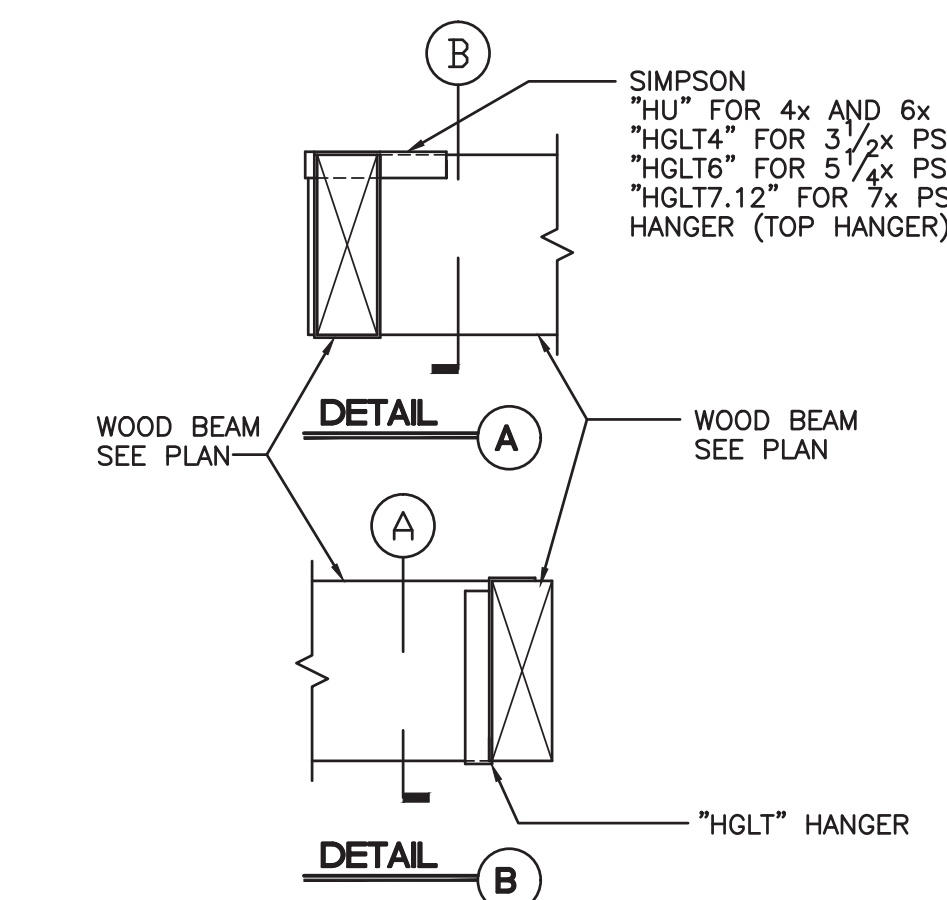
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**TYPICAL RAFTER AT WALL**

3/4"-1"

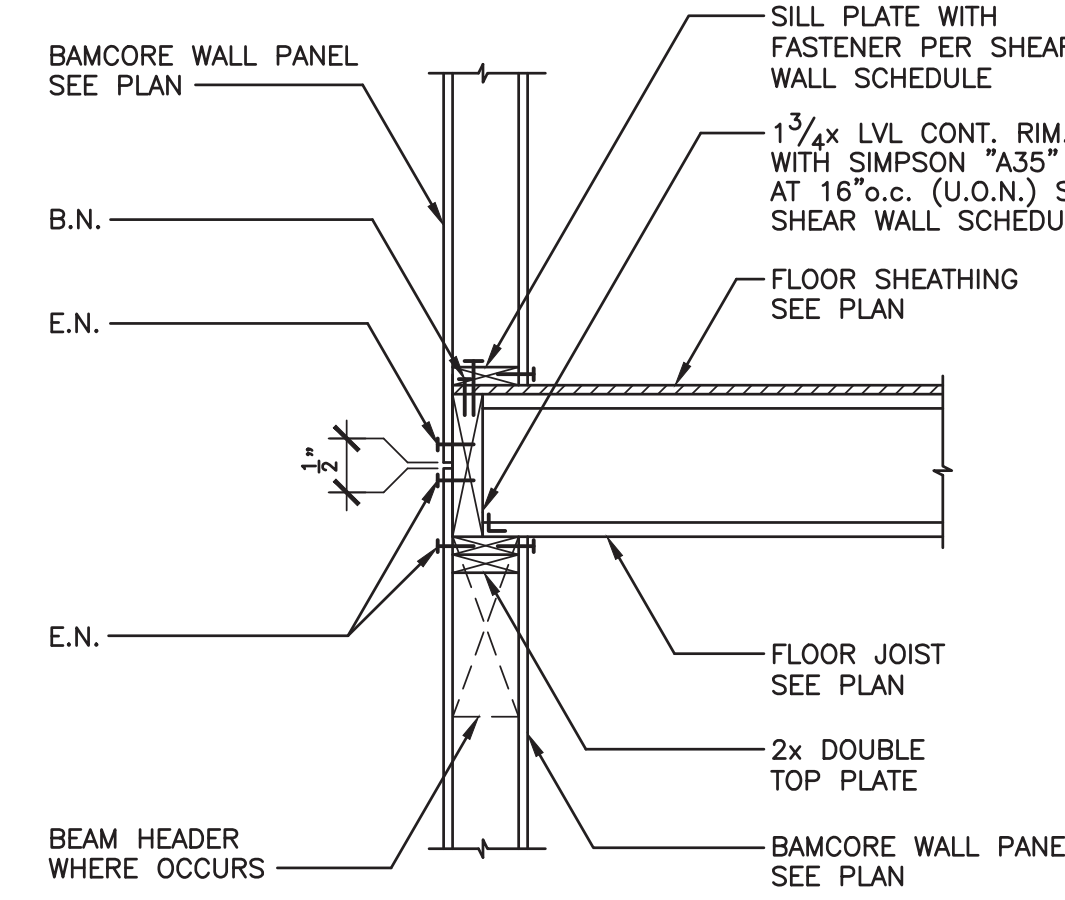
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**BEAM TO BEAM CONN.**

3/4"-1"

4

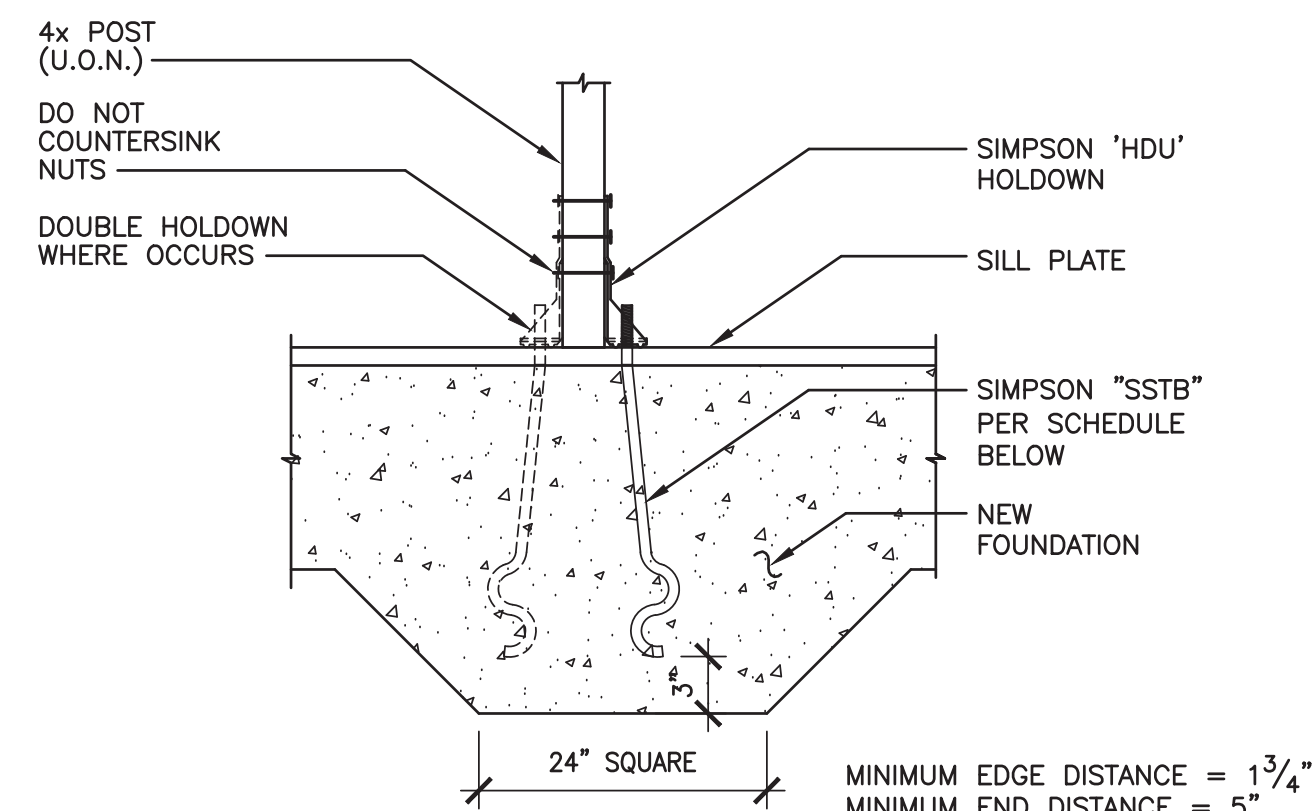


**JOIST I TO WALL**

3/4"-1"

1

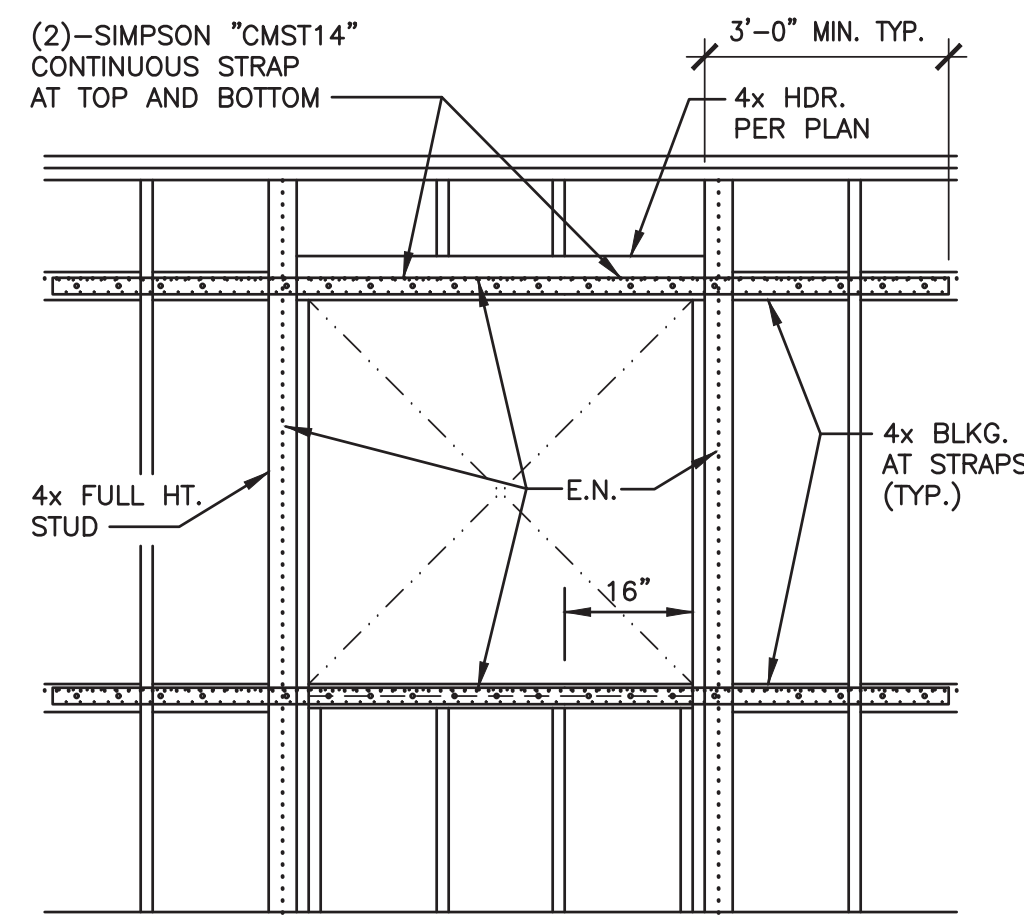
REVISION DESCRIPTION	BUILDING DEPARTMENT SUBMITTAL
DATE	07-05-2022
No.	
DATE ISSUED	07-05-2022
DRAWN BY	ML
CHECKED BY	TL
<b>THANG LE &amp; ASSOCIATES</b> STRUCTURAL ENGINEERS, INC.	
319 E. FOOTHILL BLVD., SUITE C ARCADIA, CALIFORNIA 91006 PHONE: (626) 731-1539	
<b>LARSON RESIDENCE</b>	
10818 CROTHERS ROAD SAN JOSE, CALIFORNIA 95127	
<b>FRAMING DETAILS</b>	
<b>S5.0</b>	



MARK	HOLDOWN	POST FASTENERS	POST SIZE	ALLOWABLE TENSION	75% OF THE ALLOWABLE	SIMPSON 'SSTB' ANCHOR BOLTS	ALLOWABLE TENSION
1	HDU2	6-SDS 1/4x2 1/2	4x4	3075 LBS	2306 LBS	SSTB16	3780 LBS
2	HDU4	10-SDS 1/4x2 1/2	4x4	4565 LBS	3423 LBS	SSTB20	4785 LBS
3	HDU5	14-SDS 1/4x2 1/2	4x6	5645 LBS	4233 LBS	SSTB24	5790 LBS
4	HDU8	20-SDS 1/4x2 1/2	4x6	6970 LBS	5227 LBS	SSTB28	11060 LBS
5	HDU11	30-SDS 1/4x2 1/2	4x8	11175 LBS	8381 LBS	SB1x30	16300 LBS
6	HDU14	36-SDS 1/4x2 1/2	4x10	14375 LBS	10781 LBS	SB1x30	16300 LBS

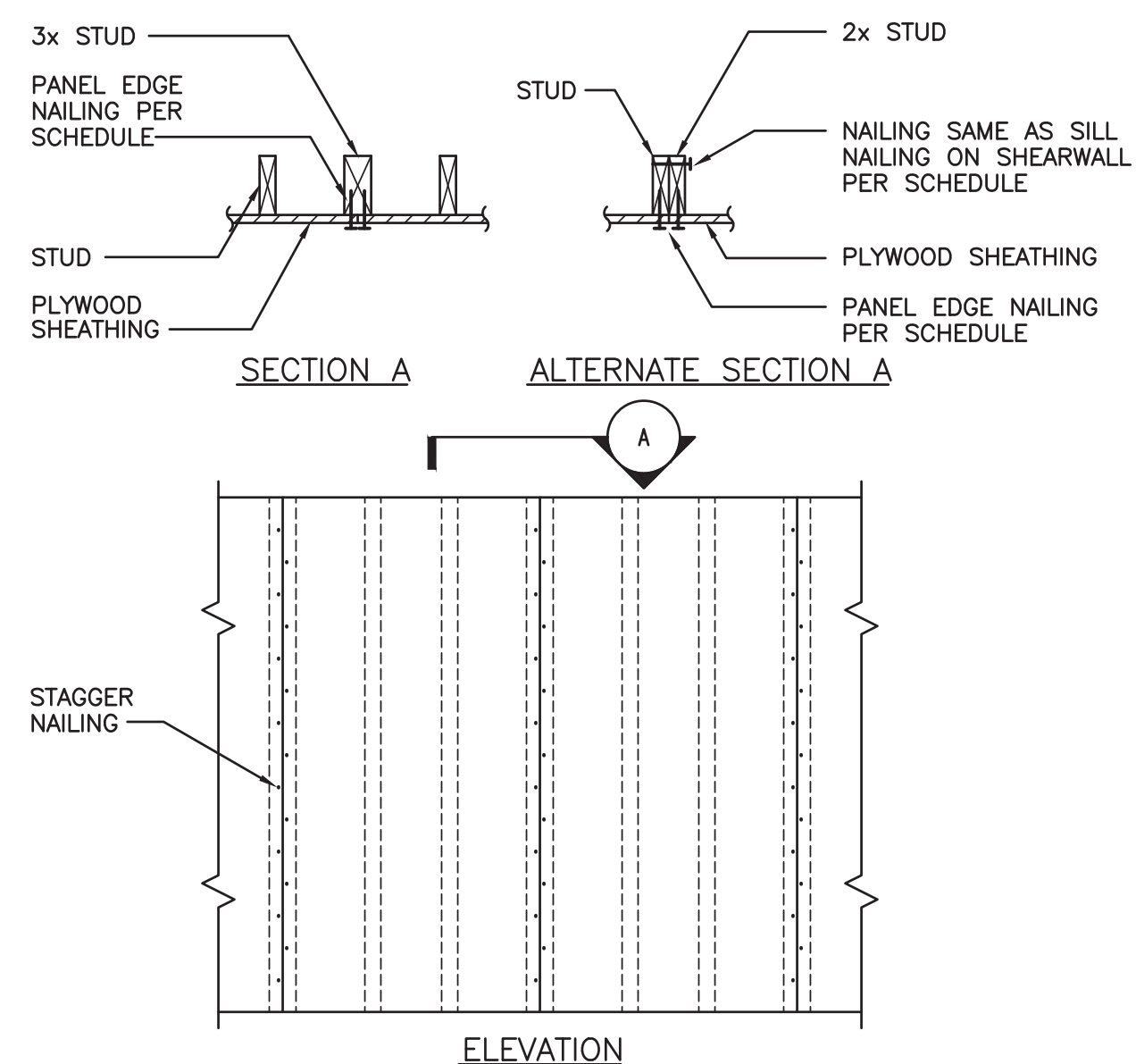
### HOLDDOWN TO FOOTING

9



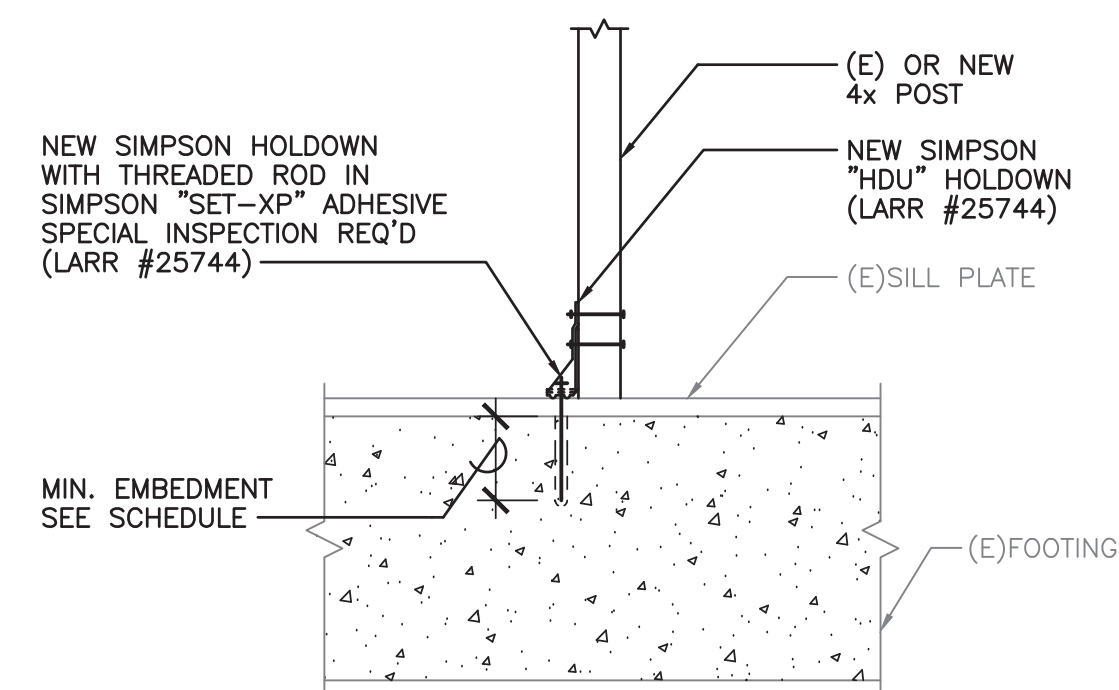
### PERFORATED SHEARWALL

11



### PANEL EDGE ELEVATION

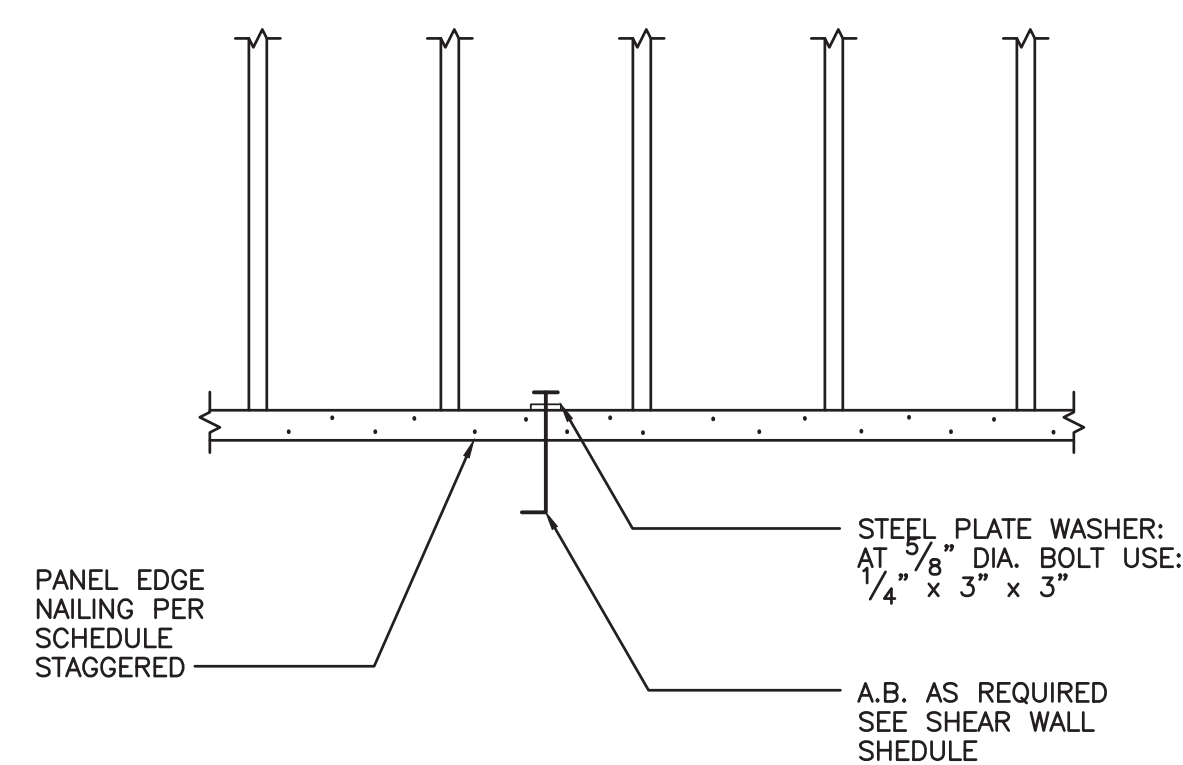
8



HOLDOWN SCHEDULE (LARR #25667)			
SIMPSON HOLDOWN	THREADED ROD DIAMETER (INCHES)	MINIMUM EMBEDMENT (INCHES)	TENSION CAPACITY (POUNDS)
HDU2	5/8"	10"	2306
HDU5	3/4"	12"	4233
HDU8	7/8"	15"	5227
HDU11	1"	18"	8381
HDU14	1"	20"	10792

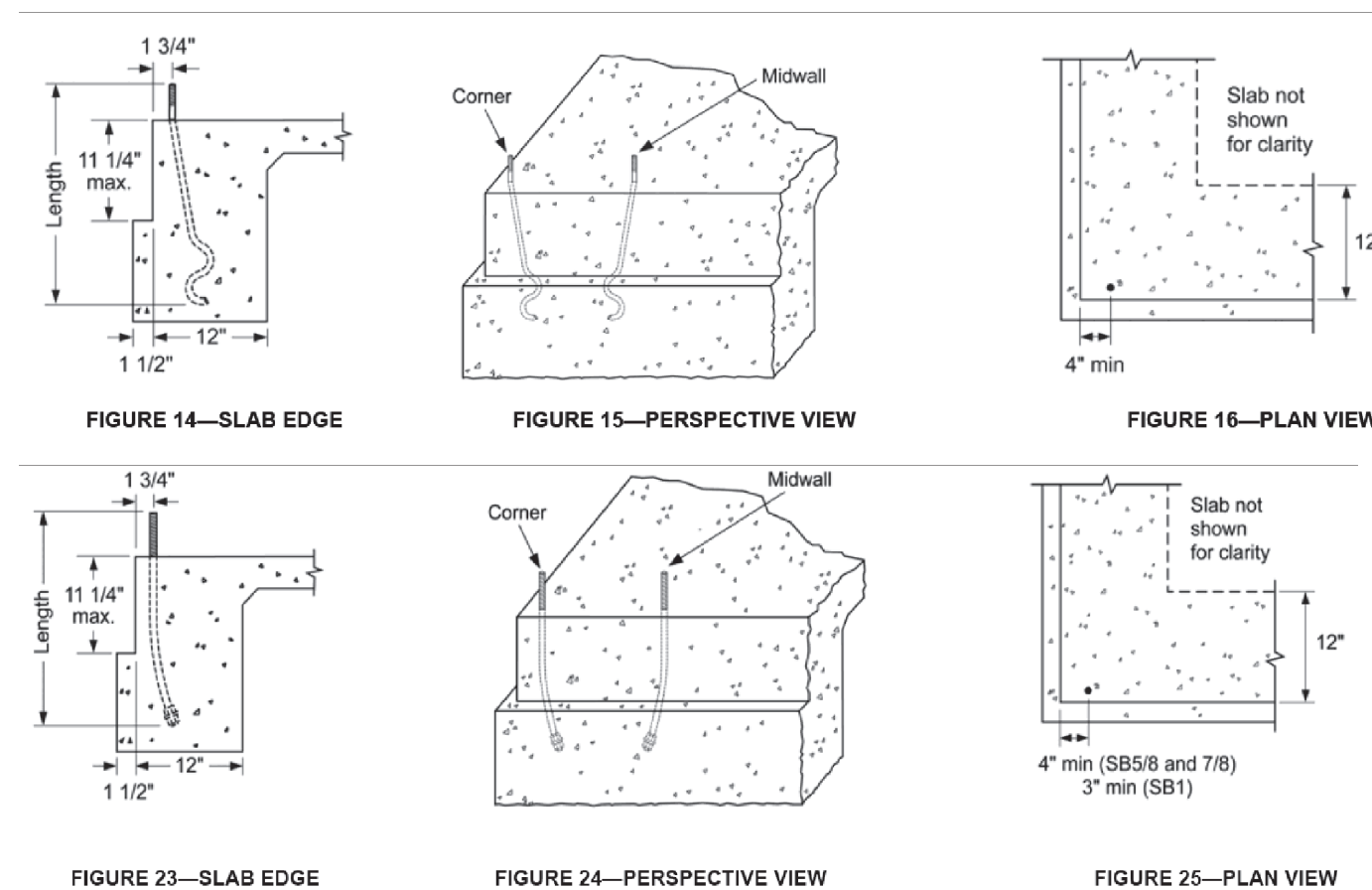
### HOLDOWN TO (E) FOOTING

10



### SILL PLATE DETAIL

7



SHEAR WALL SCHEDULE						
MARK	MATERIAL	NAILING (EDGE:FIELD)	UPPER FLOOR SILL NAILING	BLOCKING TO DOUBLE R	ANCHOR BOLT SPACING	REMARKS
A	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 6:12	16d @ 4"o.c.	SIMPSON A35 @ 16"o.c. ALT. SIMPSON LTP4 @ 16"o.c.	5/8" @ 32"o.c.	CAPACITY:340 PLF
B	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 4:12	SDS 1/4" @ x6" SCREWS @ 8"o.c. *	SIMPSON A35 @ 9"o.c. ALT. SIMPSON LTP4 @ 9"o.c.	5/8" @ 16"o.c.	CAPACITY:510 PLF
C	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 3:12	SDS 1/4" @ x6" SCREWS @ 6"o.c. *	SIMPSON A35 @ 6"o.c. ALT. SIMPSON LTP4 @ 6"o.c.	5/8" @ 16"o.c.	CAPACITY:665 PLF PRE-DRILL FOR LAG SCREW
D	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 2:12	SDS 1/4" @ x6" SCREWS @ 6"o.c. *	SIMPSON A35 @ 12"o.c. EA. SIDE ALT. SIMPSON LTP4 @ 12"o.c. EA. SIDE	5/8" @ 16"o.c.	CAPACITY:870 PLF PRE-DRILL FOR LAG SCREW
BB	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 4:12	SDS 1/4" @ x6" SCREWS @ 6"o.c. *	SIMPSON A35 @ 9"o.c. EA. SIDE ALT. SIMPSON LTP4 @ 9"o.c. EA. SIDE	5/8" @ 16"o.c.	CAPACITY:1020 PLF PRE-DRILL FOR LAG SCREW
CB	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 3:12	SDS 1/4" @ x6" SCREWS @ 4"o.c. *	SIMPSON A35 @ 6"o.c. EA. SIDE ALT. SIMPSON LTP4 @ 6"o.c. EA. SIDE	3/4" @ 16"o.c.	CAPACITY:1330 PLF PRE-DRILL FOR LAG SCREW
DB	15/32" STRUCT-1 4-PLY OR 5-PLY PLYWOOD 32/16	10d @ 2:12	SDS 1/4" @ x6" SCREWS @ 3"o.c. *	SIMPSON A35 @ 5"o.c. EA. SIDE ALT. SIMPSON LTP4 @ 5"o.c. EA. SIDE	3/4" @ 12"o.c.	CAPACITY:1740 PLF PRE-DRILL FOR LAG SCREW

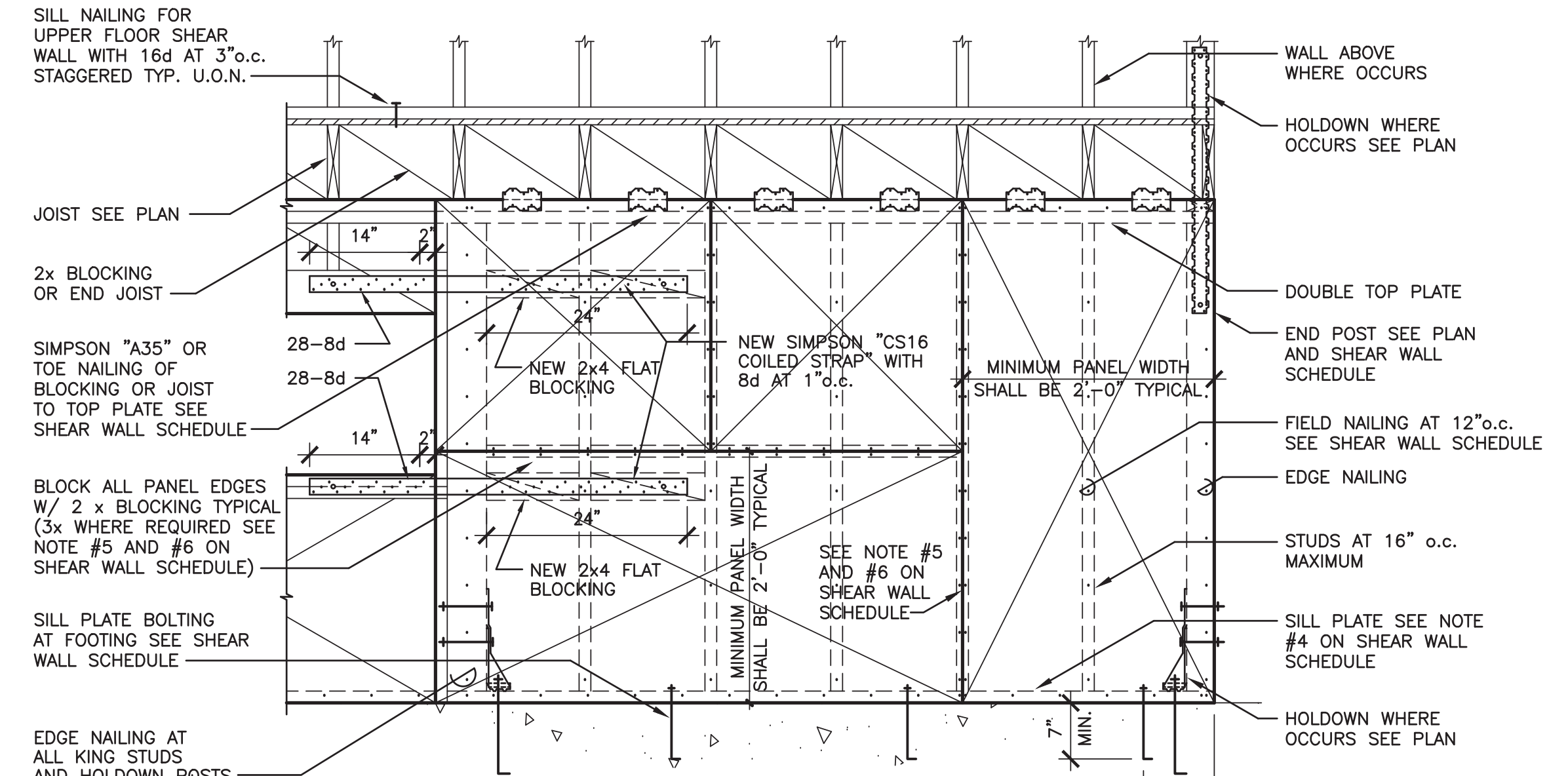
\* INDICATES WITH 4 1/4" EMBEDMENT INTO MINIMUM 2 1/2" x TIMBER STRAND BLOCKING OR RIM JOIST. MINIMUM EDGE DISTANCE SHALL BE 3/4". USE FULL BODY DIAMETER LAG SCREWS ONLY.

#### NOTES:

- FRAMING AT ADJOINING PANEL EDGES SHALL BE NOMINAL 3" OR WIDER. NAILS SHALL BE STAGGERED IN TWO ROWS ALONG PANEL EDGES.
- ALL NAILS SHALL BE COMMON NAILS. PROVIDE HOT DIPPED GALVANIZED NAILS AT ALL FIRE TREATED OR PRESSURE TREATED PLYWOOD AND STUDS.
- WHERE PLYWOOD IS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6"o.c. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3" NOMINAL OR THICKER AND NAILS ON EACH SIDE BE STAGGERED. 3x FRAMING SHALL BE USED AT BOTTOM SILL PLATE AND ALL BLOCKING.
- NAILS SHALL BE PLACED AT LEAST 1/2" FROM PANEL EDGES AND AT LEAST 3/8" FROM THE EDGE OF THE CONNECTING MEMBERS.
- SIMPSON 'LTP4' FRAMING ANCHOR (LARR #25293) MAY BE APPLIED OVER 1/2" SHEATHING WITH 8d COMMON NAILS IN LIEU OF 8dx1 1/2" NAILS.
- CB INDICATES SHEATHING OCCURS ON BOTH SIDES OF WALL.
- SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN SUCH THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING. OVER-DRIVEN NAILS WILL BE DEEMED UNSATISFACTORY.
- PROVIDE A SINGLE 3x NOMINAL OR WIDER FRAMING MEMBER AT BOTTOM SILL PLATE AND BEHIND VERTICAL AND HORIZONTAL EDGES, MINIMUM 1/2" EDGE NAILING DISTANCE AT PANEL ENDS AND EDGES, AND STRUCTURAL OBSERVATION PER GENERAL NOTES.
- SPECIAL INSPECTION IS REQUIRED FOR SHEAR WALL TYPES B, C, D, E, BB, CB, DB.
- THE FOLLOWING APPLIES TO ALL SHEAR WALLS WITH A SHEAR VALUES USING ALLOWABLE STRESS DESIGN (ASD) EXCEED 350 PLF. THESE WALLS SHALL PROVIDE WITH THE FOLLOWINGS:
  - 3x STUDS AND BLOCKINGS FOR ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS.
  - 1/2" EDGE DISTANCE FROM THE PANEL EDGES AND 3/8" FROM THE EDGE OF THE CONNECTING MEMBERS.
  - ALL WOOD STRUCTURAL PANEL JOINT AND SILL PLATE NAILING SHALL BE STAGGERED AT ALL PANEL EDGES.

### SHEAR WALL SCHEDULE

2



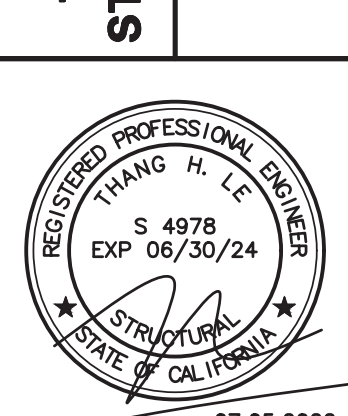
### TYPICAL SHEAR WALL CONSTRUCTION

1

NO.	DATE	REVISION DESCRIPTION
1	07-05-2022	BUILDING DEPARTMENT SUBMITTAL

DATE ISSUED	DATE	REVISION DESCRIPTION
07-05-2022	07-05-2022	BUILDING DEPARTMENT SUBMITTAL

**THANG LE & ASSOCIATES**  
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319 E. FOOTHILL BLVD., SUITE C  
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PHONE: (626) 731-1539



**LARSON RESIDENCE**  
10818 CROTHERS ROAD  
SAN JOSE, CALIFORNIA 95127

**SHEATHED SHEAR WALL DETAILS**

