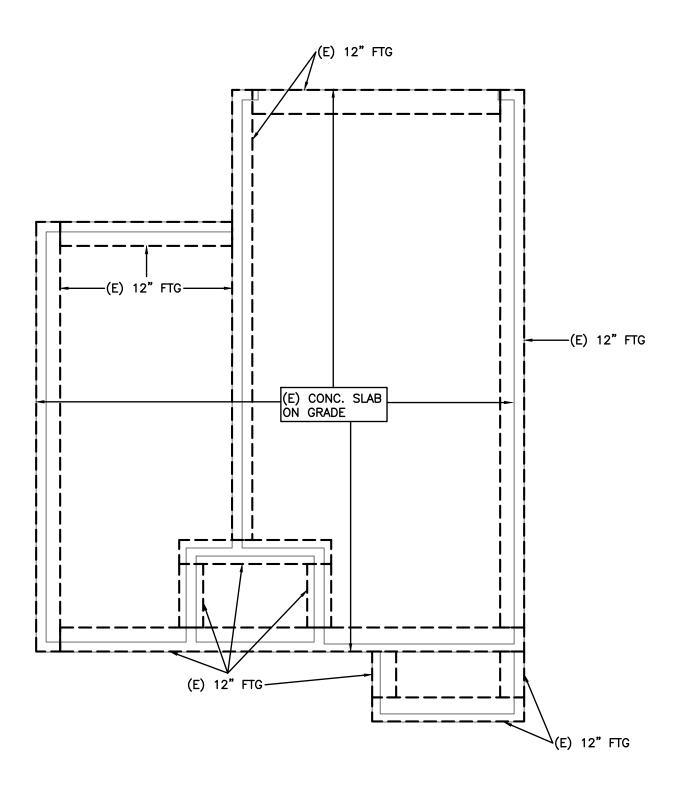
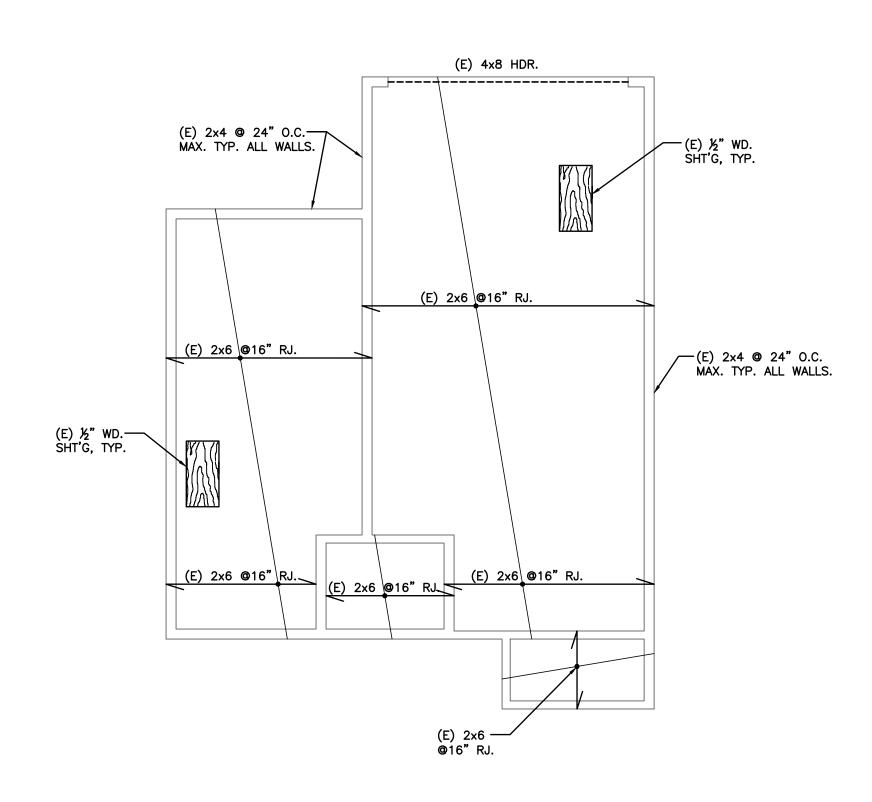


ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF—TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD—LINE ARCHITECTURAL AND CIVIL/GRADING PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.



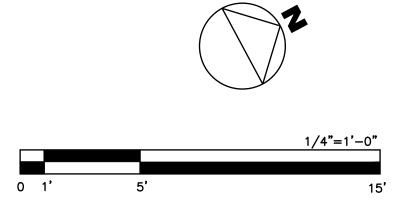
EXISTING FOUNDATION PLAN

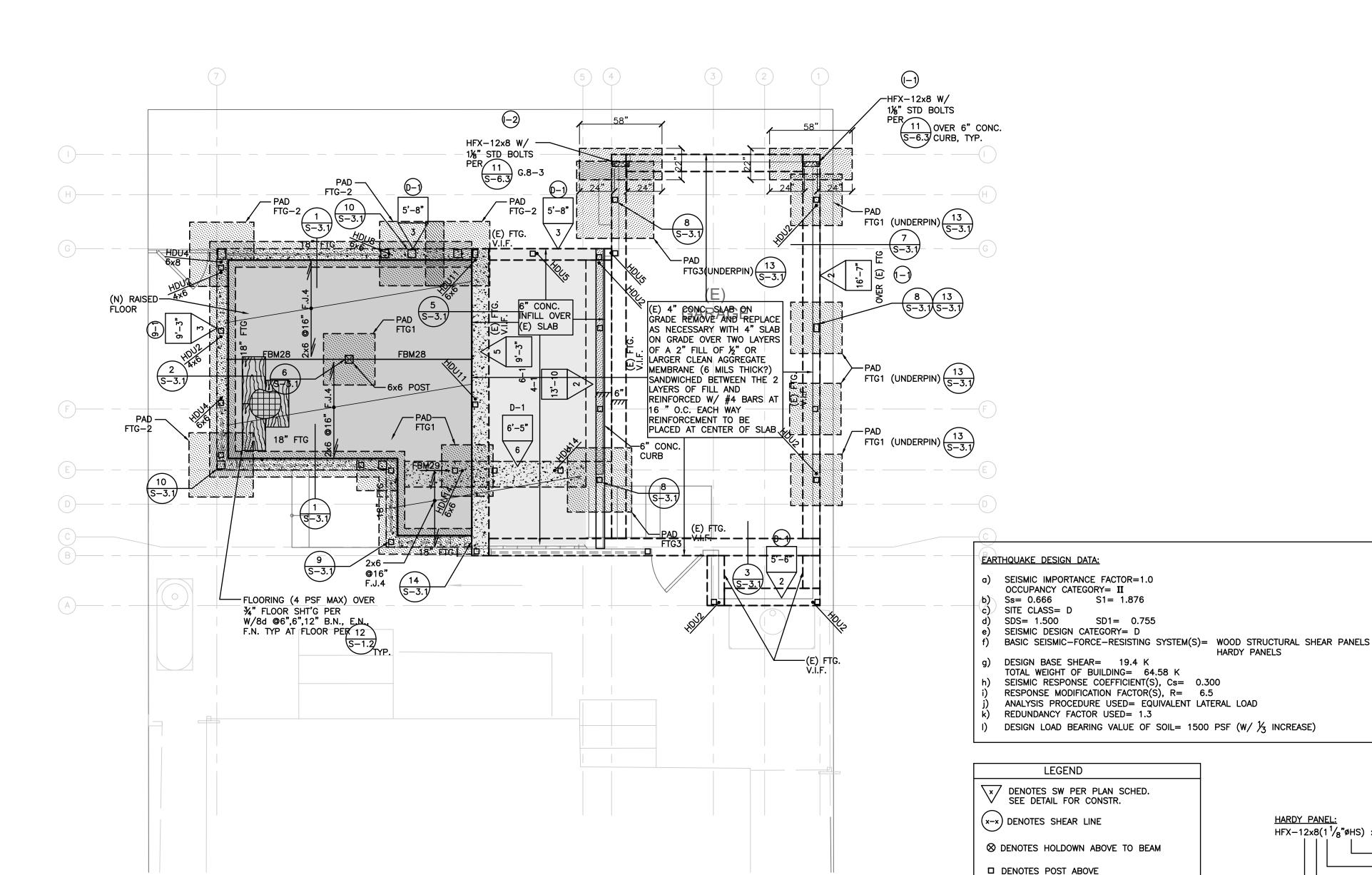


EXISTING FIRST FLOOR ROOF FRAMING PLAN

NOTE:

ALL FIELD CONDITIONS SHALL BE VERIFIED IN FIELD BY GENERAL CONTRACTOR BEFORE WORK BEGINS. ANY DEVIATION FROM THESE DRAWINGS SHALL BE NOTIFIED TO ARCHITECT/ENGINEER IN A TIMELY MANNER FOR REVISIONS OF CONSTRUCTION DOCUMENTS.





 $HFX-12x8(1\frac{1}{8}$ "øHS): INDICATES HARDY PANEL (LARR #25759, ICC ESR-2089) -INDICATES HIGH STRENGTH END BOLTS A449 OR A490. — INDICATES DIAM. OF END BOLTS -INDICATES NOMINAL HEIGHT. SEE MANUF. SPEC'S. VERIFY REQUIRED HEIGHT WITH FIELD CONDITIONS AND CONSTRUCTIONS DETAILS. -INDICATES LENGTH

▼ FIELD WELDING

☑ EXPANSION/EPOXY ANCHORS & OTHER HIGH STRENGTH BOLTING

☐ HIGH STRENGTH MASONRY

☐ HIGH—LIFT GROUTING

☐ PRE—STRESSED CONCRETE

☐ PILLING, DRILLED PIERS, CAISSONS AND CONNECTING GRADE BEAMS

F001	TING SCHEDULE (U.N.O.)
FTG1	3'-0" SQ.x1'-6" DEEP FTG W/(4) #5 REBAR E.W. @ BOTT.
FTG2	3'-9" SQ.x1'-6" DEEP FTG W/(5) #5 REBAR E.W. @ BOTT.
FTG3	4'-6" SQ.x1'-6" DEEP FTG W/(6) #5 REBAR E.W. @ BOTT.

NOTE: 1. FOOTING DEPTH FOR (N)FTG'S ONLY SHALL BE 24" DEEP MIN. AT EXPANSIVE SOIL. 2. UNDERPIN EXISTING FOOTING AS REQUIRED PER			BEAM SCHEDULE (U.N.O.)					
				BEAM TYPE	SIZE	POST SUPPORT	<u>REMARKS</u>	
				FBM27	6x8	4x6	_	
				FBM28	6x8	4x6	_	
· (
				NOTE:				

DENOTES POST FROM ABOVE TO

■ INDICATES STEEL TUBE OR PIPE COLUMN

1/4×2.5 SCREWS PER MANUF. SPECS.

PER 25/S1. (ICC ESR-2320 LARR#

MINIMUM WIDTH

12"

16"

18"

MINIMUM DEPTH

12"

18"

24"

(ICC ESR-2330, LARR #25720)

TDS DENOTES SIMPSON TIE-DOWN SYSTEM

HFX DENOTES HARDY FRAME PER S-5.0 (ICC ESR-2089, LARR #25759)

HDU DENOTES SIMPSON HOLDOWN W/

DBM DENOTES DROPPED BEAM BELOW

CONTINUE TO FOUNDATION

(SEE S2.2 FOR SIZES)

FBM DENOTES BEAM FLUSHED

FLOOR/ROOF JOISTS.

FOOTING TYPE

1-STORY

2-STORY

3-STORY

CONTRACTOR NOTE:

CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTIONS" (S1.1) SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT.

THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN: 1) ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS; 2) ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL; 3) PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS; AND

4) IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

SHEARWALL NOTE: AT SHEARWALL NUMBERS 3/TO 8/, FOUNDATION SILL PLATES AND AYL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL BE NOT LESS THAT A SINGLE 3x NOMINAL OR LARGER MEMBER.

HOLD-DOWN NOTES: 1. HOLD-DOWNS SHALL BE TIGHTENED JUST PRIOR TO COVERING THE WALL HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE WITH TEMPLATE PRIOR TO FOUNDATION INSPECTION. 3. HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE

WASHERS ON OPPOSITE.

FRAMING SCHEDULE (U.N.O.) @16" O.C. 2x6 DECK JOISTS @16" O.C.

SEE SHEETS S-2.1 FOR POST SIZES & LOCATION

FOR ADDITIONAL INFORMATION, SEE HFX-1, HFX-2, HFX-3 AND HFX-4

SPECIAL INSPECTION: (PER LACBC CHAPTER 17, SECTION 1701.5)

SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED FOR THE FOLLOWING ITEMS:

STRUCTURAL CONCRETE WITH I'C GREATER THAN 2500 PSI.

☐ SPRAYED ON FIREPROOFING

✓ LATERAL FORCE RESISTING FRAMES

PREFAB SHEAR WALL ANCHOR BOLT

SHEAR WALL TYPES 3 THRU 8

WHERE POST SIZES CARRYING MULTIPLE BEAMS CONFLICT, USE LARGER SIZE PER TABLE.

ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF-TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD-LINE ARCHITECTURAL AND CIVIL/GRADING PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.

1. SEE ARCH'L DRAWINGS FOR DIMENSION & ELEVATIONS AND OTHER INFORMATION NOT

-INDICATES SHEAR WALL, SEE PLAN — INDICATES TYPE OF SHEAR PANEL PLAN - INDICATES MIN. LENGTH OF WALL SHEAR PANEL

3. FOR SLAB ON GRADE DETAILS, SEE (S-1.2)

4. PLATE WASHERS ARE REQUIRED FOR ALL HOLD-DOWNS PER (5-3.1)AND ALL FOUNDATION BOLTS PER 12

5. POWER-DRIVEN FASTENERS SHALL NOT BE USED TO ANCHOR SILL PLATES EXCEPT AT INTERIOR NONBEARING WALLS NOT DESIGNED AS SHEAR WALLS.

6. FASTENERS (NAILS AND ANCHOR BOLTS) IN PRESSURE TREATED WOOD SILL PLATES SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL MATERIALS UNLESS PRESSURE TREATED SILL IS TREATED WITH BORATE CHEMICAL.

7. NEW FOUNDATIONS SUPPORTING WOOD SHALL EXTEND AT LEAST 8 INCHES ABOVE ADJACENT FINISH GRADE & 6" ABOVE ADJACENT FINISH SLAB.

INDICATES NEW WALL FTG OR PAD FOOTING. ALL WALL FOOTINGS SHALL BE CENTERED ON WALL ABOVE, U.N.O. ON PLAN OR DETAILS. ENLARGE WALL FTG. AT HOLDOWNS AS REQ'D PER 16

9. HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION

10. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE WITH TABLE 2305.5 OF THE LA BUILDING CODE.

11. ALL FIELD CONDITIONS SHALL BE VERIFIED IN FIELD BY GENERAL CONTRACTOR BEFORE WORK BEGINS. ANY DEVIATION FROM THESE DRAWINGS SHALL BE NOTIFIED TO ARCHITECT/ENGINEER IN A TIMELY MANNER FOR REVISIONS OF CONSTRUCTION DOCUMENTS.

12. ALL PAD FOOTINGS SHALL BE LOCATED CENTERED ON POST/COLUMNS ABOVE.

13. ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.

14. STRUCTURAL OBSERVATION BY THE ENGINEER OR ARCHITECT OF RECORD IS REQUIRED IN ACCORDANCE WITH WITH LA MGD110.

15. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE

16. SHOT PINS SHALL BE HILTI LOW VELOCITY X-U UNIVERSAL POWER DRIVEN FASTENERS, ICC ES-2269, LARR #25675. MAXIMUM SPACING SHALL BE 16" O.C. AT BEARING AND NON-BEARING

17. FOUNDATION SILLS AND PLATES SHALL BE NATURALLY DURABLE OR PRESERVATIVE—TREATED

18. A 4-INCH THICK BASE OF 1/2 INCH OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED FOR THE PROPOSED SLAB ON GRADE.

19. A VAPOR BARRIER SHALL BE PROVIDED IN DIRECT CONTACT WITH CONCRETE FOR THE PROPOSED SLAB ON GRADE.

20. SHORE EXISTING FLOOR/ROOF FRAMING AS REQUIRED DURING CONSTRUCTION OF NEW 21. ALL PERIMETER BASEMENT WALLS ARE NOT TO BE BACKFILLED UNTIL THE FLOOR SLABS

ARE POURED AND CURED OR FLOOR FRAMING IS COMPLETED. 22. POST GRAPHIC ON PLAN MAY NOT SHOW ACTUAL SIZE. SEE BEAM SCHEDULE OR PLAN

CALL-OUT FOR POSTS SIZE. 23. A COPY OF THE LOS ANGELES RESEARCH REPORT(S) AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE

24. FOR CRAWL SPACE ACCESS OPENINGS, PLACE AS REQ'D BY ARCH'L DRAWINGS AND

BUILDING CODE.

DENOTES CRAWL SPACE ACCESS OPENING PLACE AS REQ'D BY ARCH'L DRAWINGS 26. AND BUILDING CODE.

27. DO NOT CUT OR DAMAGE EXISTING FOUNDATION MEMBERS TO REMAIN AS PART OF THE NEW BUILDING/STRUCTURE SHOWN AS (E) ON PLAN, UNLESS DEMOLITION OF THESE MEMBERS IS CLEARLY INDICATED ON PLAN/OR DETAILS.

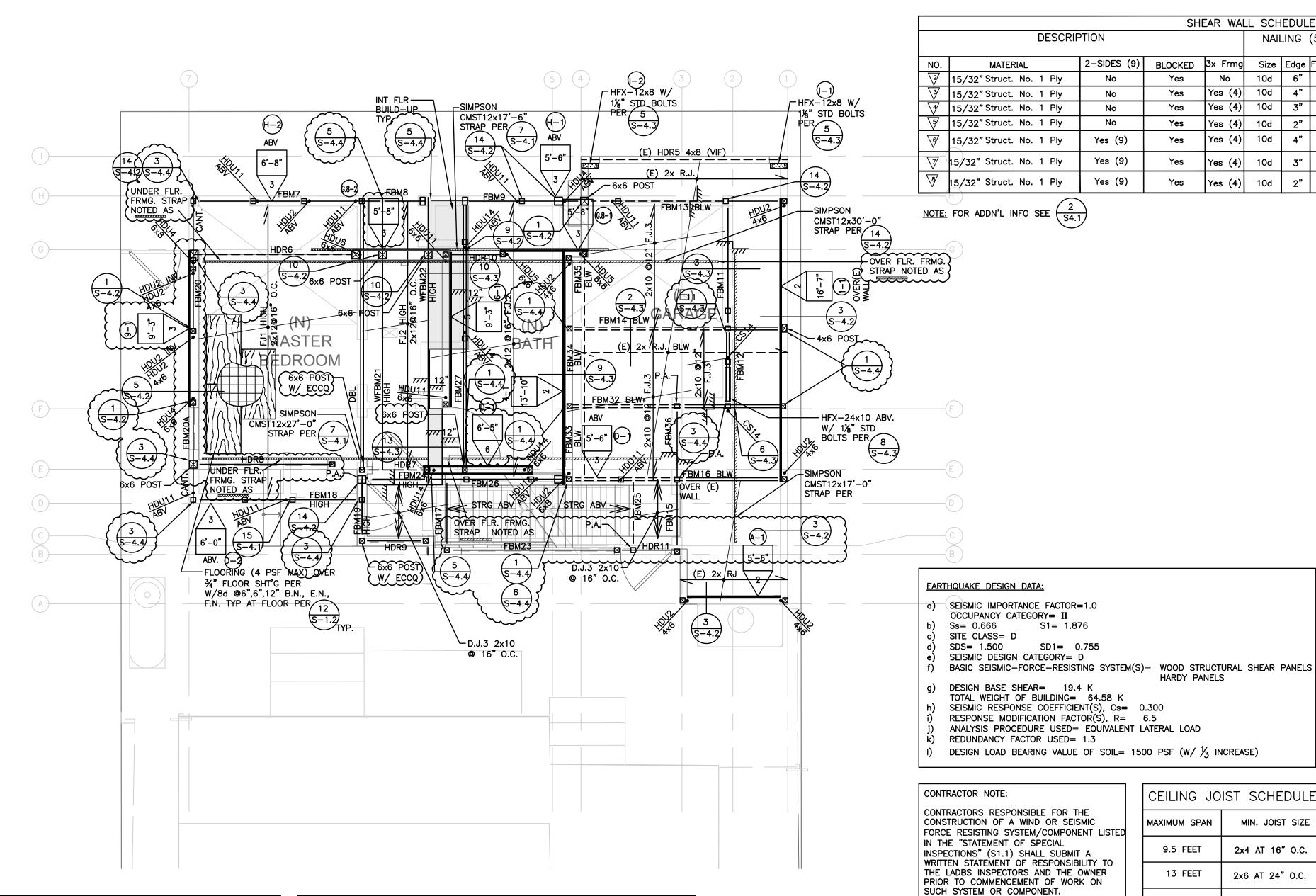
28. THE SOIL ENGINEER IS TO APPROVE THE KEY BOTTOM AND LEAVE A CERTIFICATE ON THE SITE FOR THE GRADING INSPECTOR. THE GRADING INSPECTOR IS TO BE NOTIFIED BEFORE ANY GRADING BEGINS AND, FOR BOTTOM INSPECTION, BEFORE FILL IN PLACED. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE GRADING INSPECTOR.

29. ALL CONCENTRATED DRAINAGE SHALL BE CONVEYED TO THE STREET VIA NON-EROSIVE

30. EXCAVATIONS SHALL BE MADE IN COMPLIANCE WITH CAL/OSHA REGULATIONS.







	SCHEDULE (
BEAM TYPE	SIZE	POST SUPPORT	<u>REMARKS</u>
FBM7	7x11.25 PSL	4x6	_
FBM8	4x12	4x6	_
FBM9	7x11.25 PSL	4x6	_
FBM10	4x8 (V.I.F.)	4x6	_
FBM11	6x10	4x6	_
FBM12	(2)7x9.25 PSL	6x6	3/S-4.4
FBM13	7x9.25 PSL	4x6	_
FBM14	(2) 7x9.25 PSL	6x6	3/S-4.4
FBM15	4x10	4x6	_
FBM16	(2)5.25x9.25 PSL	6x6	3/S-4.4
FBM17	4×10	4×6	_
FBM18	3.5x11.25 PSL	4x6	_
FBM19	5.25x9.25 PSL	4x6	_
FBM20	7x11.25 PSL	6x8	_
FBM20A	7x11.25 PSL	6x8	_
WFBM21	W10x33	6x6	W/ 2x NLR
WFBM22	W10x33	6x6	W/ 2x NLR
FBM23	6x8	4x6	_
FBM24	4x12	4x6	_
FBM25	4x10	4×6	_
FBM26	3.5x11.25 PSL	4x6	_
FBM27	(2)7x11.25 PSL	4×6	1/S-4.4
FBM32	(2)7x11.25 PSL	6x6	3/S-4.4
FBM33	4x10	4×6	_
FBM34	4x10	4×6	_
FBM35	4x10	4×6	_
FBM36	4x10	4x6	_
HDR6	6x10	6x6	_
HDR7	6x8	4×6	_
HDR8	6x8	4x6	_
HDR9	6x8	4x6	_
HDR10	6x8	4x6	
HDR11	6x8	4x6	_

WHERE POST SIZES CARRYING MULTIPLE BEAMS CONFLICT,

USE LARGER SIZE PER TABLE.

HILLSIDE CONSTRUCTION NOTES

- 1.NUTS OF THE PRIMARY AND SECONDARY ANCHORS FASTENERS SHALL BE FINGER TIGHT WITH 1/2" WRENCH TURN PRIOR TO INSPECTION AND COVERING. 2.POWER-DRIVEN FASTENERS SHALL NOT BE USED TO ANCHOR SILL PLATES
- EXCEPT AT INTERIOR NONBEARING WALLS NOT DESIGNED AS SHEAR WALLS. 3.EXTERIOR ANCHOR BOLTS AND POST BASES SHALL BE GALVANIZED AND EACH ANCHOR BOLTS SHALL HAVE AT LEAST TWO GALVANIZED NUTS ABOVE THE BASE
- 4.THE TOP OF EXTERIOR PEDESTALS MUST BE SLOPED FOR POSITIVE DRAINAGE. 5.ALL MAIN FOOTING AND GRADE BEAM REINFORCEMENT STEEL SHALL BE BENT INTO
- THE INTERSECTING FOOTING AND FULLY DEVELOPED AROUND EACH CORNER AND 6.CONTINUOUS INSPECTION BY A LOS ANGELES CITY LICENSED DEPUTY INSPECTOR

IS REQUIRED FOR ALL STRUCTURAL CONNECTIONS, FOOTINGS, GRADE BEAMS AND

- RETAINING WALLS DURING INSTALLATION. 7.STRUCTURAL OBSERVATION BY THE ENGINEER OR ARCHITECT OF RECORD IS REQUIRED IN ACCORDANCE WITH LA INFORMATION BULLETIN P/BC 2008-024.
- COMPLETE ATTACHED FORM. 8.ALL FOOTINGS OR GRADE BEAMS EXTEND ACROSS A DESCENDING SLOPE, THE

WOOD SILL PLATES BEARING ON A LEVEL SURFACE.

STEM WALL, GRADE BEAM, OR FOOTING SHALL EXTEND UP TO A MINIMUM 18 INCHES ABOVE THE HIGHEST ADJACENT GRADE. 9.ALL WOOD FRAMED WALLS, INCLUDING NON-BEARING WALLS, WHEN RESTING ON A FOOTING, FOUNDATION, OR GRADE BEAM STEM WALL, SHALL BE SUPPORTED ON

3. SOLID BLOCKING SHALL BE PROVIDED AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS. SHEARWALL NOTE:

AT SHEARWALL NUMBERS 3/TO 8/, FOUNDATION SILL PLATES AND AYL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL BE NOT LESS THAN A SINGLE 3x NOMINAL OR LARGER MEMBER.

EARTHQUAKE DESIGN DATA:

SEISMIC IMPORTANCE FACTOR=1.0

THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN:

1) ACKNOWLEDGEMENT OF AWARENESS OF

THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS;

2) ACKNOWLEDGEMENT THAT CONTROL WILL

PROCEDURES FOR EXERCISING CONTROL

THE METHOD AND FREQUENCY OF REPORTING

WITHIN THE CONTRACTOR'S ORGANIZATION,

AND DISTRIBUTION OF THE REPORTS: AND

4) IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL

FASTENERS IN PRESERVATIVE TREATED

WOOD OR FIRE RETARDANT TREATED WOOD

SHALL BE OF HOT DIPPED ZINC COATED

GALVANIZED STEEL OR STAINLESS STEEL.

ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN

GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH

OF PLYWOOD SHALL BE PERPENDICULAR TO

SUPPORTS. FLOOR SHALL HAVE TONGUE AND

AND THEIR POSITION(S) IN THE

ORGANIZATION.

FRAMING NOTES:

TABLE 2304.7.

BÉ EXERCISED TO OBTAIN CONFORMANCE

WITH THE CONSTRUCTION DOCUMENTS

APPROVED BY THE BUILDING OFFICIAL;

- OCCUPANCY CATEGORY= II Ss=
- SITE CLASS= D
- SDS= SEISMIC DESIGN CATEGORY= D

CEILING JOIST SCHEDULE | FRAMING SCHEDULE (U.N.O.) MAXIMUM SPAN MIN. JOIST SIZE 2x4 AT 16" O.C.

HARDY PANELS

SHEAR WALL SCHEDULE

No

Yes

Yes

Yes

Yes (4)

Yes (4)

Yes (4)

NAILING (5)(7)

10d | 6" |

10d | 4"

10d 4"

Yes (4) | 10d | 3" |

|Yes (4)| 10d | 2" |

10d

10d

Size | Edge | Field (1) | SDS 1/4x6 LAGS | LTP4 (3)

12"

12"

9"

7"

6"

4" (6)

3" (6)

12"

12"

12"

12"

12"

SHEAR TRANSFER

24"

12"

9"

'(1-side)

o"(2–sides)

4"(1-side)

9"(2-sides)

LEGEND

□ DENOTES POST ABOVE TO BEAM

CONTINUE TO FOUNDATION

(SEE S2.3 FOR SIZES)

ESR-2330, LARR #25720)

25643)

RBM: ROOF BEAM

VBM: VALLEY BEAM

FBM: FLUSH BEAM

DBM: DROPPED BEAM

LBM: DENOTES LANDING BEAM

DFJ: DOUBLE FLOOR JOIST UNDER WALL

@16" O.C.

@ 16" O.C.

@16" O.C.

STRINGER

CALIFORNIA

FRAMING

2x6 RAFTERS

CEILING JOISTS

PER SCHEDULE

2x12 @12" O.C.

2x10 DECK JOISTS

STGR: DENOTES STRINGER

LJ: LANDING JOIST

T.J.: TRELLIS JOIST

HBM: HIP BEAM

HDR DENOTES HEADER

DENOTES POST FROM ABOVE TO

HFX DENOTES HARDY FRAME PER PLAN

HDU DENOTES SIMPSON HOLDOWN W/

(ICC ESR-2089) (LARR #25759)

1/4×2.5 SCREWS PER MANUF. SPECS. (ICC

TDS DENOTES SIMPSON TIE-DOWN SYSTEM

PER 25/S1. (ICC ESR-2320 LARR#

■ INDICATES STEEL TUBE OR PIPE COLUMN

(x-x) DENOTES SHEAR LINE

\x/ DENOTES SW PER PLAN SCHED. ON PLAN SEE DETAIL 16/S-4.1 FOR CONSTR.

1-side)

Bottom Sill Top Plate | Mud Sill

5/8"ø A.B.

24" (8)

16" (8)

16" (8)

16" (8)

3/4"ø @

DESCRIPTION

SD1= 0.755

MATERIAL

2-SIDES (9)

No

No

No

No

Yes (9)

Yes (9)

Yes (9)

13 FEET	2x6 AT 24" O.C.
14.5 FEET	2x6 AT 16" O.C.
19 FEET	2x8 AT 16" O.C.
22 FEET	2x10 AT 16" 0.0
	_
	SCHEDULE ALL U.N.O.
Z	ALL 0.14.0.

HEADER SCHEDULE					
2×4 WALL U.N.O.					
L=4'-0"	4×6				
4'-0" to < 6'-0"	4x8				
6'-0" to < 8'-0"	4×10				
8'-0" to < 10'-0"	4x12				
10'-0" to < 12'-0"	4x14				

HEADER SCHEDULE 2x6 WALL U.N.O. L=4'-0" 4'-0" to < 6'-0"6x10 6'-0" to < 8'-0" 8'-0" to < 10'-0" 6x12 10'-0" to < 12'-0" 6x14

SPECIAL INSPECTION: (PER LACBC CHAPTER 17, SECTION 1701.5)

- SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED FOR THE FOLLOWING ITEMS:
- 🕱 STRUCTURAL CONCRETE WITH f'c GREATER THAN 2500 PSI.
- X EXPANSION/EPOXY ANCHORS & OTHER HIGH STRENGTH BOLTING ☐ SPRAYED ON FIREPROOFING
- ☐ HIGH STRENGTH MASONRY
- ☐ HIGH—LIFT GROUTING
- □ PRE-STRESSED CONCRETE X LATERAL FORCE RESISTING FRAMES
- □ PILLING, DRILLED PIERS, CAISSONS AND CONNECTING GRADE BEAMS M PREFAB SHEAR WALL ANCHOR BOLT
- M SHEAR WALL TYPES 3 THRU 8

 $HFX-12x8(1\frac{1}{8}"\phi HS)$: INDICATES HARDY PANEL (LARR #25759, ICC ESR-2089)

-INDICATES HIGH STRENGTH END BOLTS A449 OR A490. -INDICATES DIAM. OF END BOLTS

-INDICATES NOMINAL HEIGHT. SEE MANUF. SPEC'S. VERIFY REQUIRED HEIGHT WITH FIELD CONDITIONS AND CONSTRUCTIONS DETAILS.

FOR ADDITIONAL INFORMATION, SEE HFX-1, HFX-2, HFX-3 AND HFX-4

-INDICATES LENGTH

ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF-TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD-LINE ARCHITECTURAL AND CIVIL/GRADING PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.

VALUE (STGR)

544#*/*'

816#/'

1064#*/*

1392#*/*'

1632#*/*'

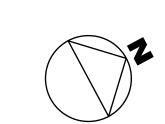
2128#*/*'

2784#*/**

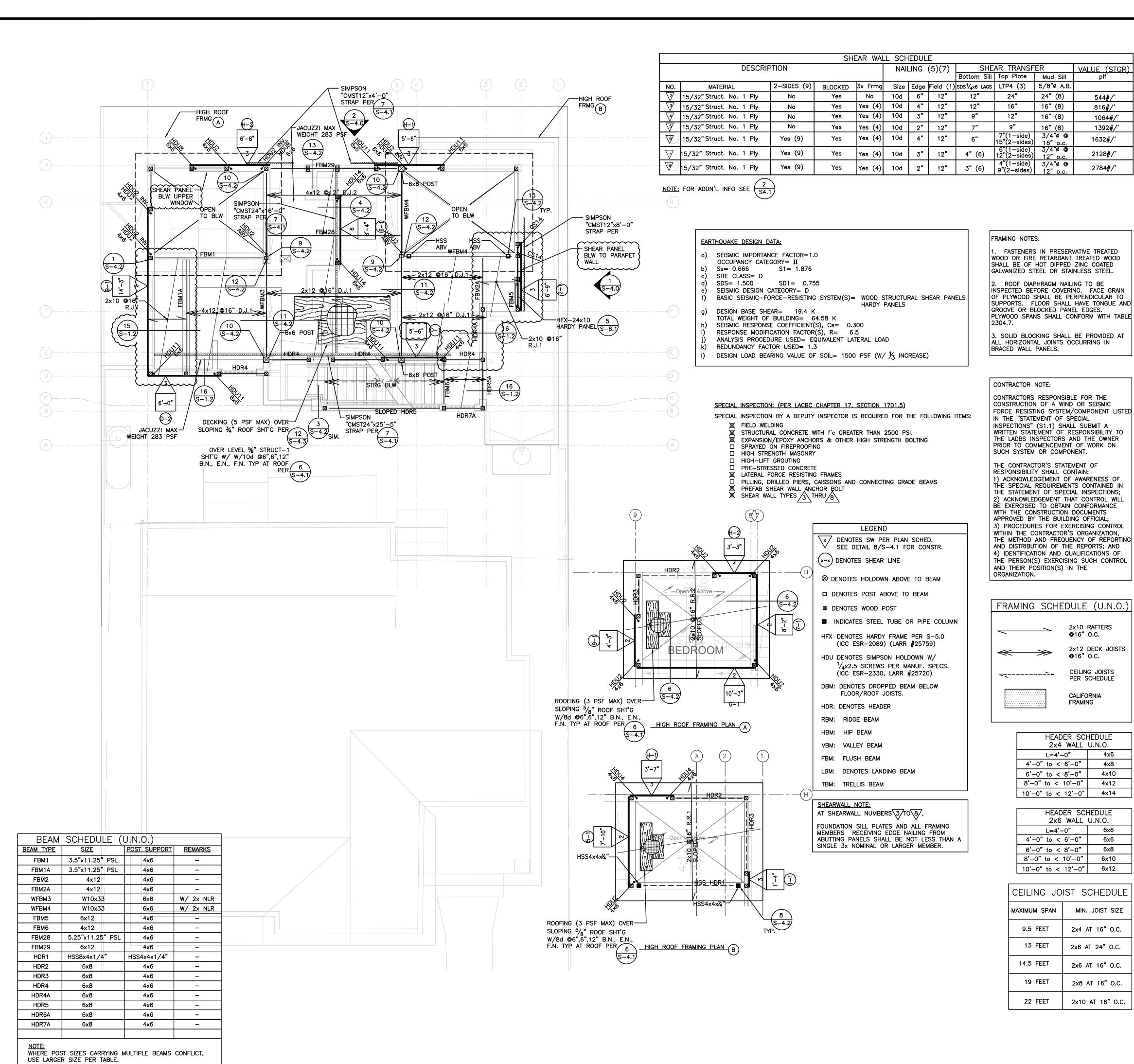
- SEE ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION, DIMENSIONS AND OTHER INFORMATION NOT SHOWN.
- I INDICATES WALL SHEAR PANEL
 - INDICATES TYPE OF WALL SHEAR PANEL PER PLAN SCHED.
- INDICATES LENGTH OF WALL SHEAR PANEL.
- INDICATES FLOOR WALL PER PLAN
- INDICATES MIN. WALLS OR ROOF LINE ABOVE FLOOR FRAMING 4. HOLDOWN BOLTS SHALL BE RE-TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING.
- 5. INDICATES SIMPSON STRAP OVER FLOOR SHEATHING AT BEAM OR 4x4 BLOCKING BELOW (S-4.1)
- 7. FOR WALL TOP PLATES SPLICE DETAIL SEE

6. FOR TYPICAL WOOD FRAMING DETAILS SEE S4 SHEETS

- 8. PROVIDE DOUBLE FLOOR JOIST UNDER BEARING PARTITION WALLS PARALLEL TO JOIST & BLW BATHROOM TUB. PROVIDE 4x4 BLKG. W/"Z"-CLIP UNDER PARTITION WALLS PERPENDICULAR TO FLOOR JOIST
- 9. ALL 2x FLOOR JOISTS SHALL BE CONNECTED TO BMS. WITH SIMPSON "LB" OR "LUS" HANGERS. ALL RAFTER SHALL BE CONNECTED TO RIDGE BEAMS WITH SIMPSON "LB" OR "LUS" HANGERS, AND TO VALLEY/HIP BEAMS WITH SIMPSON "LSU" HANGERS. U.N.O. ON PLAN OR SECTIONS.
- 10. INDICATES DIRECTION OF SPAN OF JOISTS PER PLAN.
- 11. FOR BM./GIRDER TO POST CONN. DETAIL SEE \(\subseteq 5-4.2 \)
- 12. FOR BM. TO GIRDER CONN. DETAIL SEE
- 13. FOR STAIR FRAMING DETAILS SEE
- 14. ALL INTERIOR WALLS SHALL BE 2x4 MIN. @16" O.C. MAX. STUD WALLS U.N.O. ON PLAN. ALL EXTERIOR WALLS SHALL BE 2x4 MIN. @16" O.C. MAX. STUD WALL. 12'-0" OR HIGHER WALLS SHALL BE OF 2x6 MIN. @16" EXTERIOR FRAMING. SEE ARCH. DWG'S FOR WALL DIMENSIONS. ALL PLUMBING WALLS SHALL BE 2x6 MIN. @16" O.C. STUD
- 15. USE DOUBLE JOISTS & DOUBLE BLOCKING AT F.A.U. AND ATTIC ACCESS LOCATIONS.
- 16. ALL FIELD CONDITIONS SHALL BE VERIFIED IN FIELD BY GENERAL CONTRACTOR BEFORE WORK BEGINS. ANY DEVIATION FROM THESE DRAWINGS SHALL BE NOTIFIED TO ARCHITECT/ENGINEER IN A TIMELY MANNER FOR REVISIONS OF CONSTRUCTION DOCUMENTS.
- 17. RIP TOP OF 2x DECK JOISTS (2" MAX.) TO ALLOW FOR F.F. SLOPING PER ARCH. DRAWINGS OR BUILD-UP FLR PER 12
- 18. FOR HEADER TYPE INFORMATION SEE PLAN NOTES.
- 19. 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 SPANS SHALL CONFORM WITH TABLE 2304.7.
- 20. ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.
- 21. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE WITH TABLE 2305.5 OF THE LA BUILDING CODE.
- 22. SHORE EXISTING FLOOR/ROOF FRAMING AS REQUIRED DURING CONSTRUCTION OF NEW FRAMING.
- 23. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX. ALL DIAPHRAGM NAILING OVER 2x WF BM NAILER SHALL BE 10d x1 $\frac{1}{2}$ " NAILS.
- 24. NAILERS OVER STEEL BEAMS SHALL BE $1\frac{1}{2}$ " TIMBER STRAND LSL 1.3E BY I-LEVEL OR EQUAL.
- 25. SPLICE ALL EXTERIOR & PERIMETER WALL TOP PL'S FOR WALL TOP PLATES SPLICE DETAIL SEE $\frac{10}{(S-1.2)}$
- 26. SLOPE WF ROOF/FLOOR FRMG AS REQUIRED TO MATCH SLOPE PER ARCH. DWGs
- 27. PROVIDE MAXIMUM SIZE OF RECTANGULAR BEAM PENETRATION AT BOTH ENDS OF ALL INTERIOR STEEL BEAMS PER /
- 28. PROVIDE RECESSED FLOOR FRAMING AT BATHROOMS. SEE ARCHITECTURAL DWGS FOR FLOOR FINISH THICKNESS.
- 29. The denotes floor shtg recess/depression (2" Max). See architectural dwgs.
- 30. POST GRAPHIC ON PLAN MAY NOT SHOW ACTUAL SIZE. SEE BEAM SCHEDULE OR PLAN CALL-OUT FOR POSTS
- 31. A COPY OF THE LOS ANGELES RESEARCH REPORT(S) AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE
 - PROVIDE RECESSED FLOOR FRAMING AT BATHROOMS. SEE ARCHITECTURAL DWGS FOR FLOOR FINISH THICKNESS. MAXIMUM 2" RECESS.







ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF-TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD-LINE ARCHITECTURAL AND CIVIL/GRADING PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.

VALUE (STGR)

544#*/*'

816#/'

1064#/

1392#/'

1632#*/*

2128#/

2784#*/*'

2x10 RAFTERS

2x12 DECK JOISTS

4x6

4x8

6x6

6x6

6x8

6x10

6x12

MIN. JOIST SIZE

2x4 AT 16" O.C.

2x6 AT 24" O.C.

2x6 AT 16" O.C.

2x8 AT 16" O.C.

2x10 AT 16" O.C.

@16" O.C.

@16" O.C.

CALIFORNIA

FRAMING

CEILING JOISTS

PER SCHEDULE

SEE ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION, DIMENSIONS AND OTHER INFORMATION NOT

- INDICATES TYPE OF WALL SHEAR PANEL PER PLAN SCHED. – INDICATES MIN. LENGTH OF WALL SHEAR PANEL.

INDICATES WALL, PER PLAN

INDICATES ROOF LINE ABOVE FLOOR FRAMING

- 4. HOLDOWN BOLTS SHALL BE RE-TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING.
- 5. INDICATES SIMPSON STRAP OVER ROOF SHEATHING AT BEAM OR 4x4 BLOCKING BELOW $(\frac{7}{S-4.1})$
- 6. FOR TYPICAL WOOD FRAMING DETAILS SEE S4 SHEETS

7. FOR WALL TOP PLATES SPLICE DETAIL SEE (S-1.2)

PROVIDE DOUBLE FLOOR JOIST UNDER BEARING PARTITION WALLS PARALLEL TO JOIST & BLW BATHROOM TUB. PROVIDE 4x4 BLKG. W/"Z"-CLIP UNDER PARTITION WALLS PERPENDICULAR TO FLOOR JOIST

9. ALL 2x FLOOR JOISTS SHALL BE CONNECTED TO BMS. WITH SIMPSON "LB" OR "LUS" HANGERS. ALL RAFTER SHALL BE CONNECTED TO RIDGE BEAMS WITH SIMPSON "LB" OR "LUS" HANGERS, AND TO VALLEY/HIP BEAMS WITH SIMPSON "LSU" HANGERS. U.N.O. ON PLAN OR SECTIONS.

10. INDICATES DIRECTION OF SPAN OF JOISTS PER PLAN.

11. FOR BM./GIRDER TO POST CONN. DETAIL SEE (S-4.2)

12. FOR BM. TO GIRDER CONN. DETAIL SEE $(\frac{13}{54.1})$

13. ALL INTERIOR WALLS SHALL BE 2x4 MIN. @ 16" O.C. MAX. STUD WALLS U.N.O. ON PLAN. ALL EXTERIOR WALLS SHALL BE 2x4 MIN. @16" O.C. MAX. STUD WALL. 12'-0" OR HIGHER WALLS SHALL BE OF 2x6 MIN. @16" EXTERIOR FRAMING. SEE ARCH. DWG'S FOR WALL DIMENSIONS. ALL PLUMBING WALLS SHALL BE 2x6 MIN. @16" O.C. STUD WALLS.

14. USE DOUBLE JOISTS & DOUBLE BLOCKING AT F.A.U. AND ATTIC ACCESS LOCATIONS.

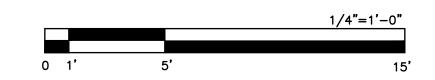
- 15. ALL FIELD CONDITIONS SHALL BE VERIFIED IN FIELD BY GENERAL CONTRACTOR BEFORE WORK BEGINS. ANY DEVIATION FROM THESE DRAWINGS SHALL BE NOTIFIED TO ARCHITECT/ENGINEER IN A TIMELY MANNER FOR REVISIONS OF CONSTRUCTION DOCUMENTS.
- 16. FOR HEADER TYPE INFORMATION SEE PLAN NOTES.
- 17. ROOF DIAPHRAGM 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 SPANS SHALL CONFORM WITH TABLE 2304.7.
- 18. ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.
- 19. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE WITH TABLE 2305.5 OF THE LA BUILDING CODE.
- 20. SPLICE ALL EXTERIOR & PERIMETER WALL TOP PL'S FOR WALL TOP PLATES SPLICE DETAIL SEE
- 21. SHORE EXISTING FLOOR/ROOF FRAMING AS REQUIRED DURING CONSTRUCTION OF NEW FRAMING. 10
- 22. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX. ALL DIAPHRAGM NAILING OVER 2x WF BM NAILER SHALL BE 10d x1 $\frac{1}{2}$ " NAILS.
- 23. NAILERS OVER STEEL BEAMS SHALL BE $1\frac{1}{2}$ " TIMBER STRAND LSL 1.3E BY I-LEVEL OR EQUAL.
- 24. RIP DECK JOIST TO MATCH FLOOR SLOPE PER ARCH'L DWGs, 2" MAX. RIP.
- 28. SLOPE WF ROOF/FLOOR FRMG AS REQUIRED TO MATCH SLOPE PER ARCH. DWGs

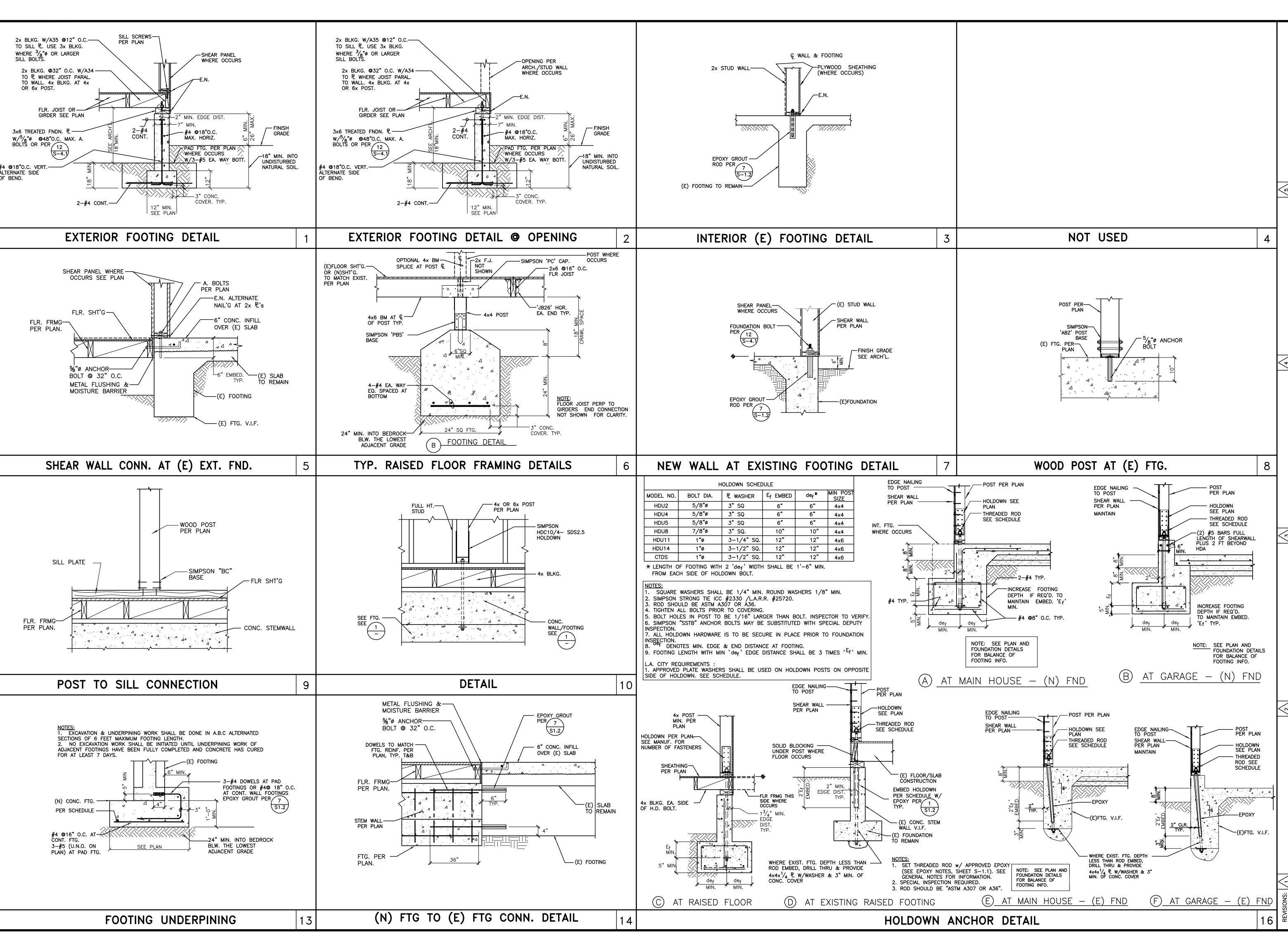
29. PROVIDE MAXIMUM SIZE OF RECTANGULAR BEAM PENETRATION AT BOTH ENDS OF ALL INTERIOR STEEL BEAMS PER 5

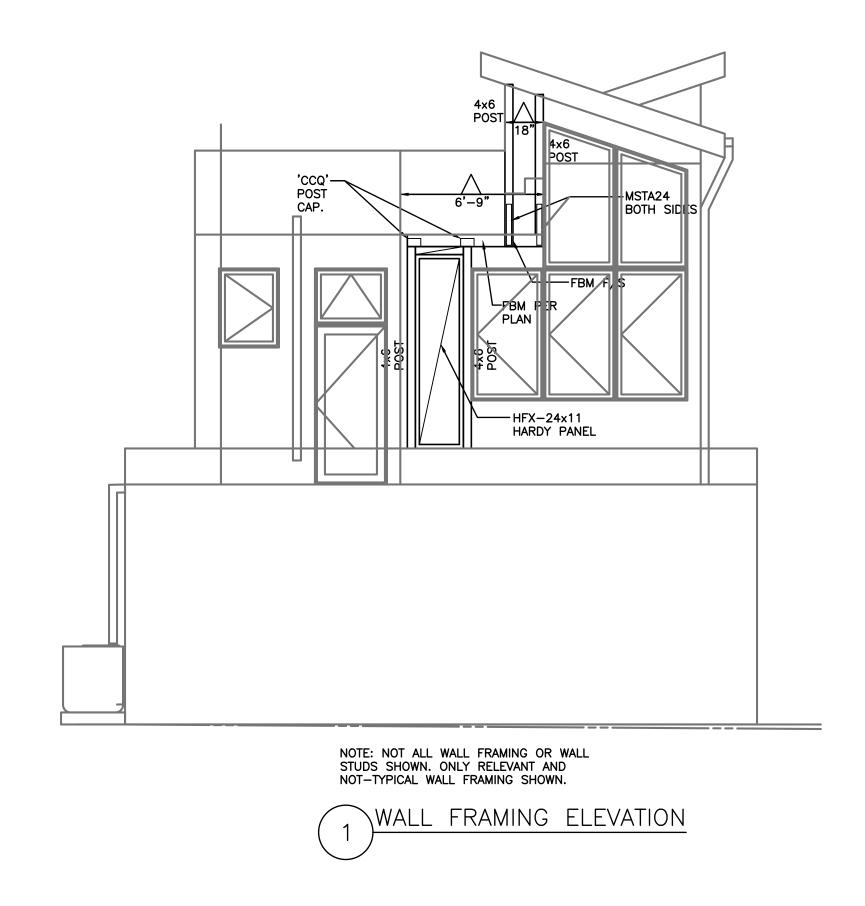
30. POST GRAPHIC ON PLAN MAY NOT SHOW ACTUAL SIZE. SEE BEAM SCHEDULE OR PLAN CALL-OUT FOR

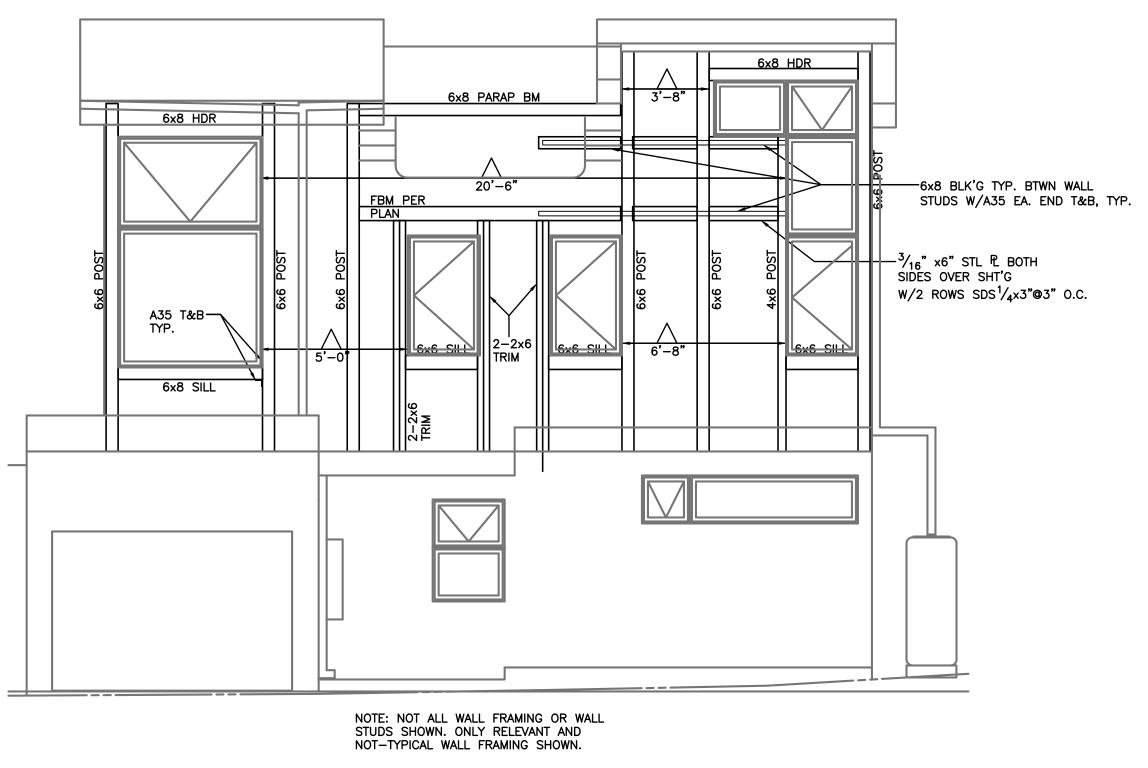
31. A COPY OF THE LOS ANGELES RESEARCH REPORT(S) AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE





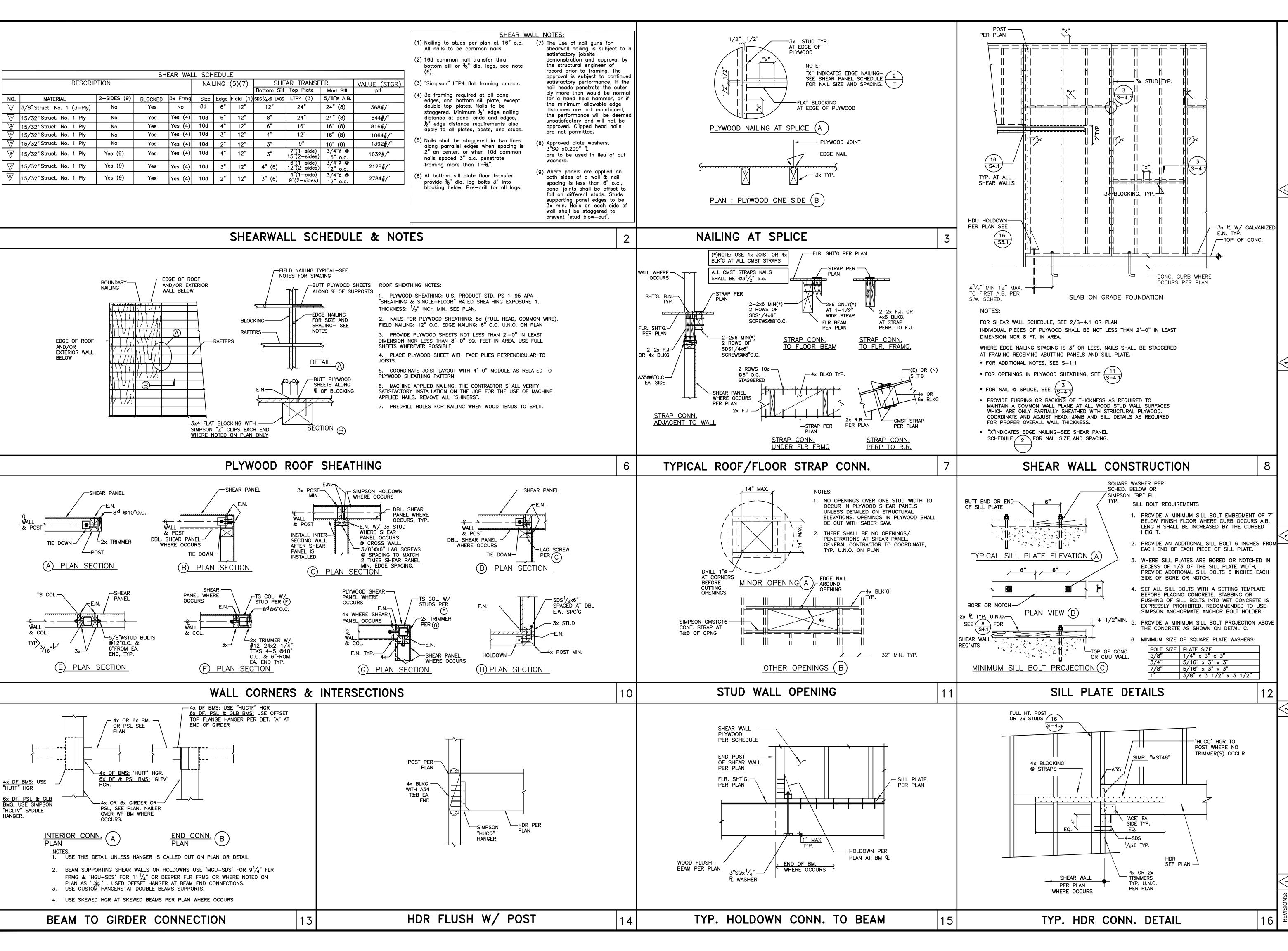


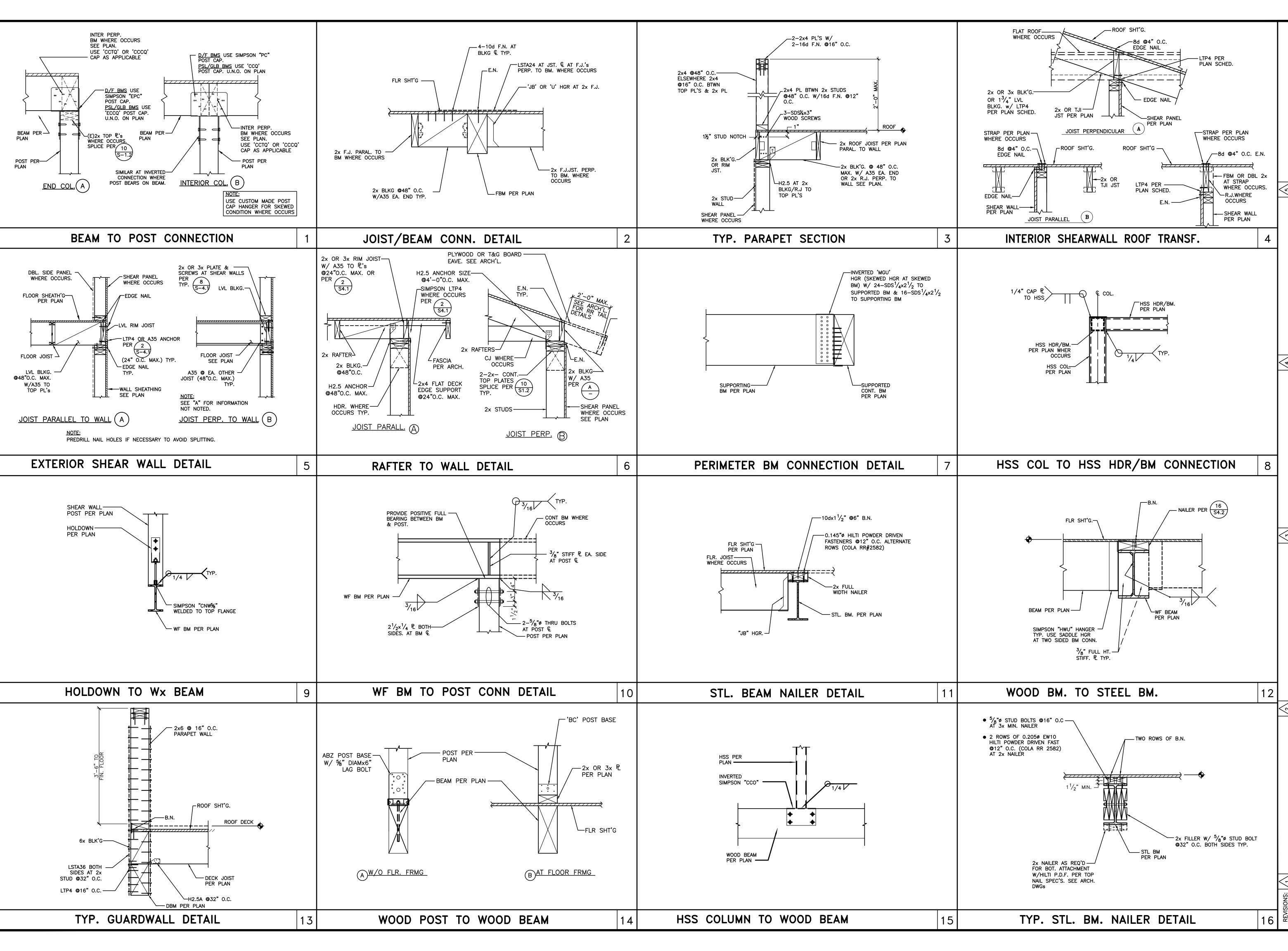


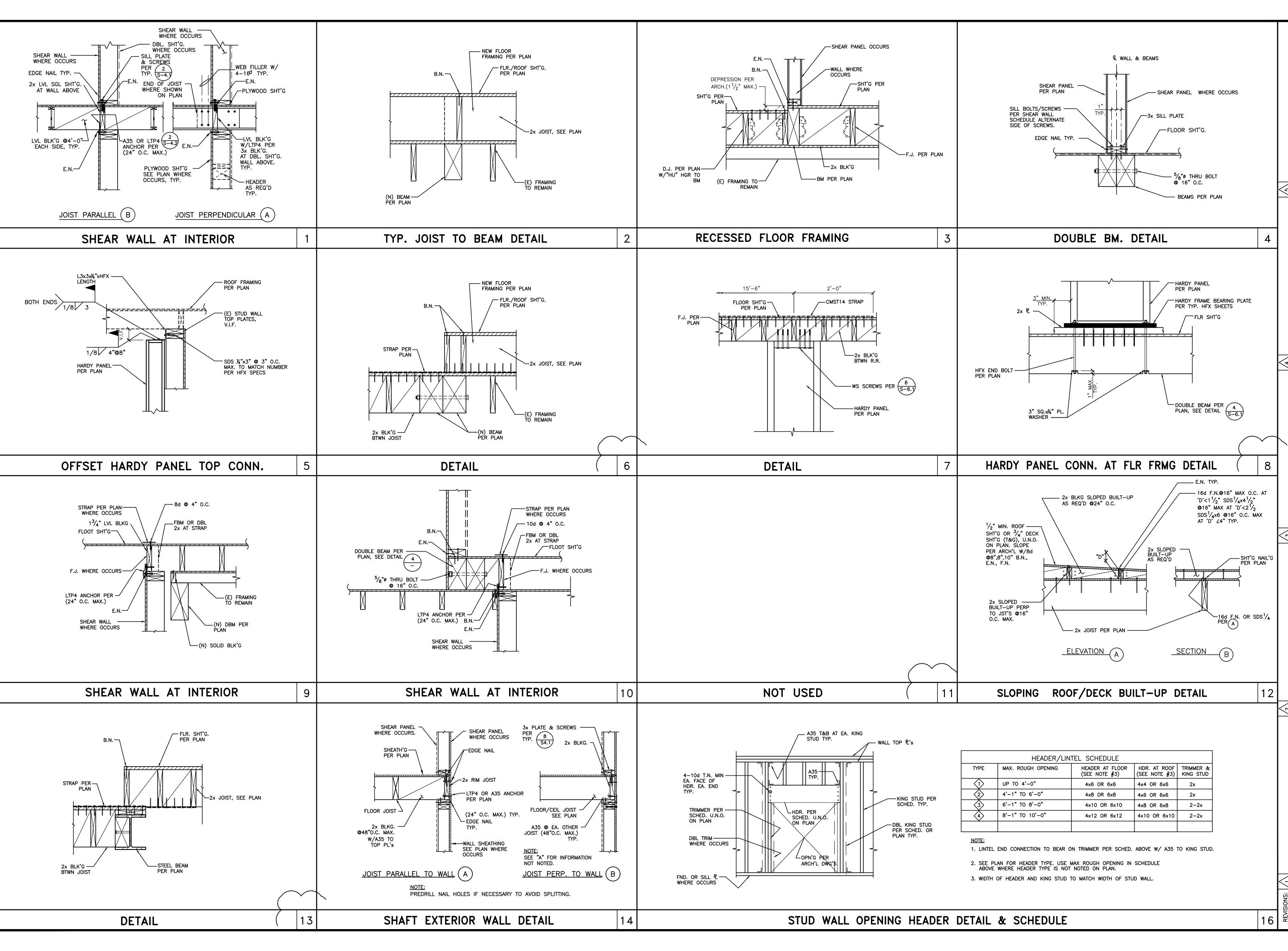


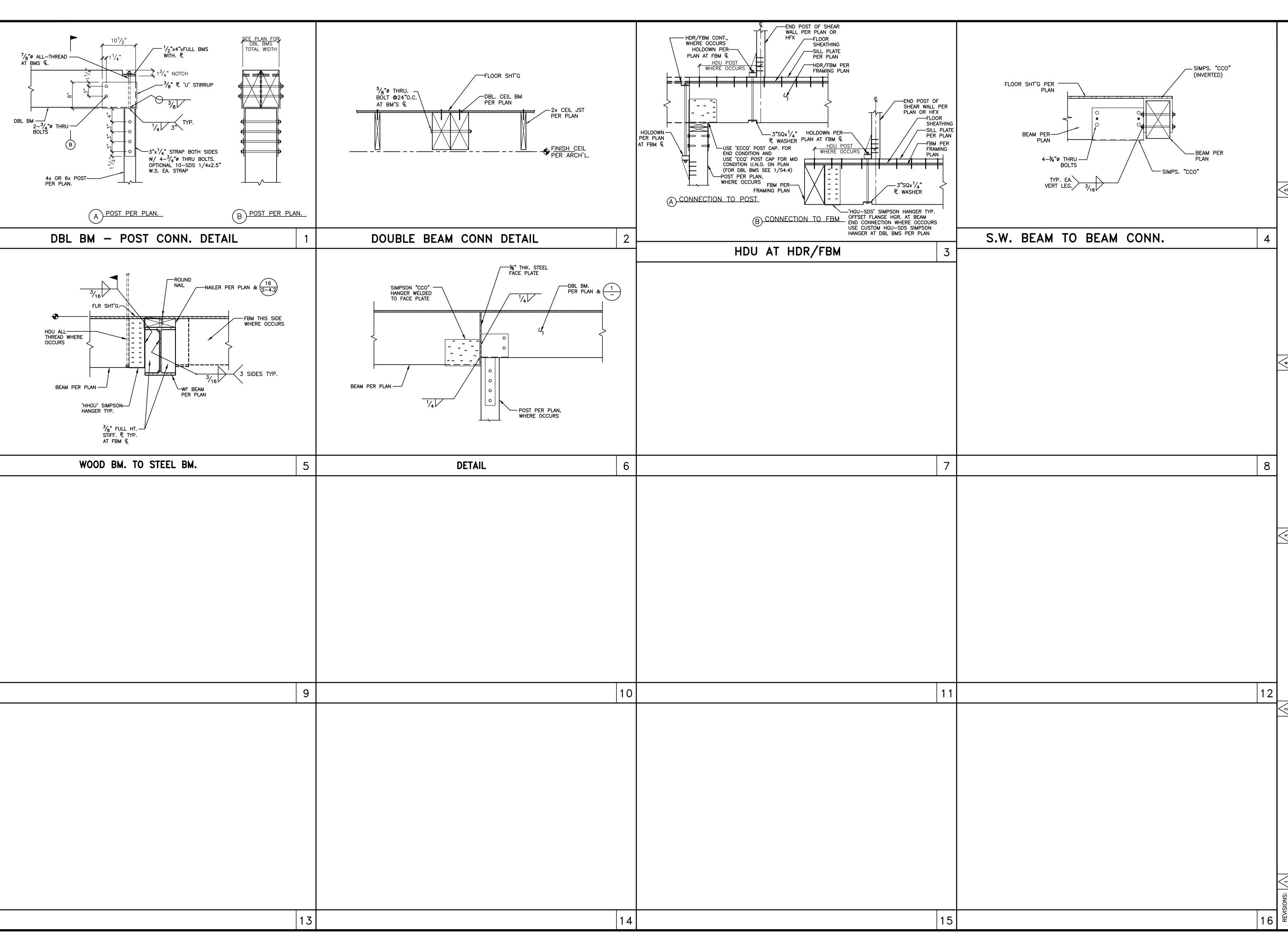
2 WALL FRAMING ELEVATION

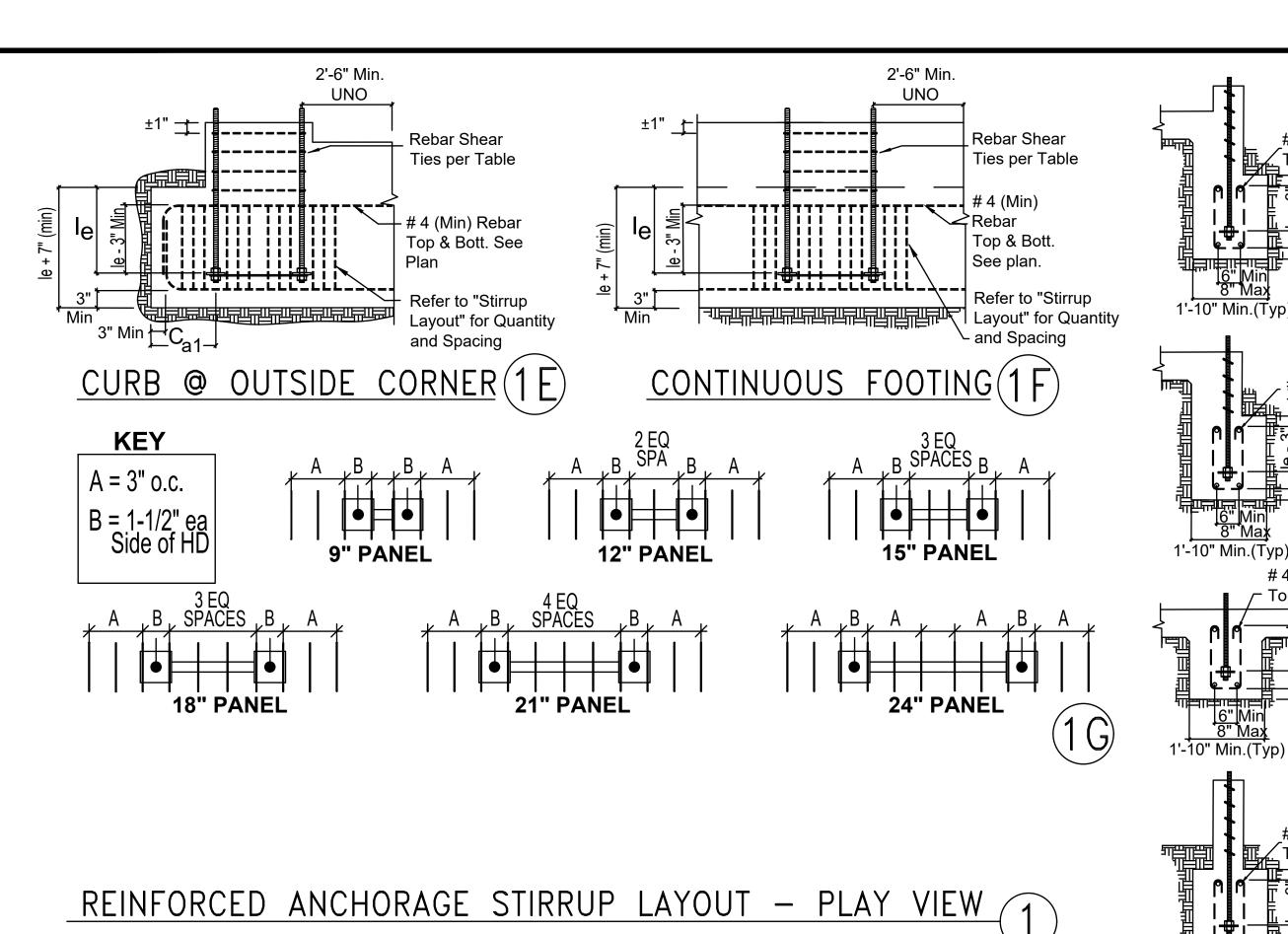
0 2' 4'

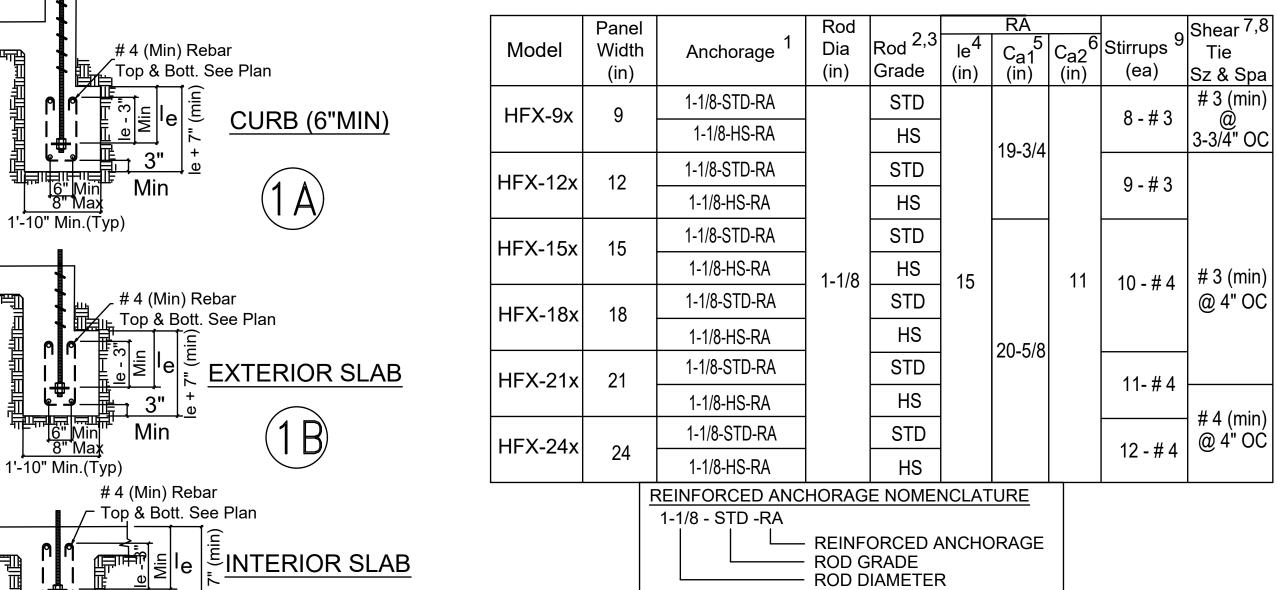












#3 = 1-1/2" Rad (Min)

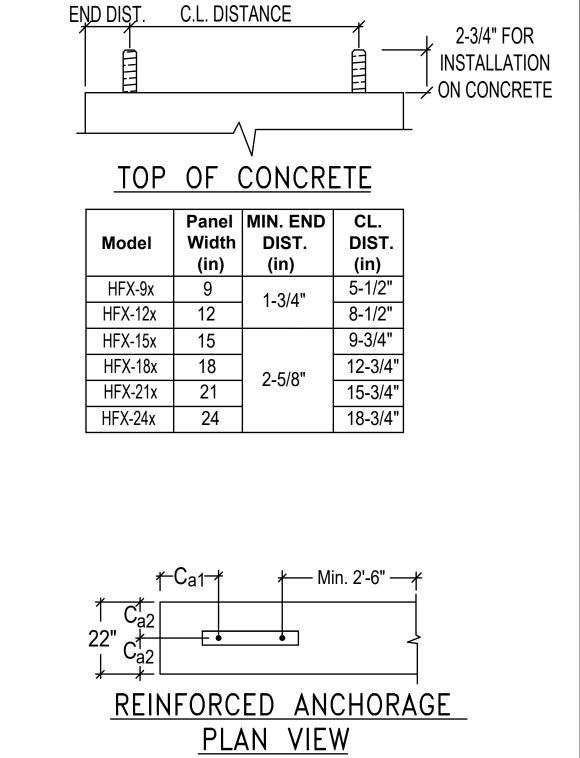
4 = 2" Rad (Min)

—†2-1/2" (Min) Over-Lap

<u>Plan View</u>

LENGTH

SHEAR TIE DETAIL





HFX-SERIES 78 IN. THRU 13 FOOT

Model Number	Net Height (in)	Depth (in)	Hold Down Diameter ¹ (in)	Top Screw Qty ² (ea)	Screw Qty Available at Edges (ea) ³
HFX-12,15,18,21 & 24x78	78			9" Width = 5	
HFX-9x79.5	79-1/2			9 Widii - 3	
HFX-12,15,18,21 & 24x8	92-1/4			12" Width = 6	4
HFX-9x8	93-3/4	3-1/2	1-1/8	15" Width = 8	
HFX-12,15,18,21 & 24x9	104-1/4		, 6	io man o	
HFX-12,15,18,21 & 24x10	116-1/4			18" Width = 10	5
HFX-15,18,21 & 24x11	128-1/4			21" Width = 12	3
HFX-15,18,21 & 24x12	140-1/4				6
HFX-15,18,21 & 24x13	152-1/4			24" Width = 14	U

BALLOON PANELS

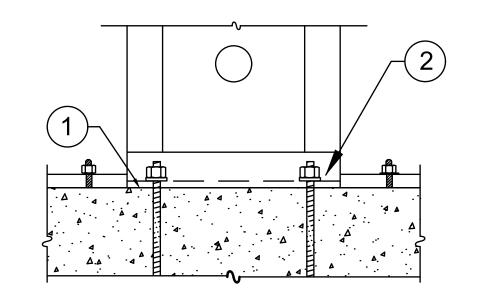
<u>∠</u>Top`& Bott. See Plan

RAISED FLOOR

Model Number	Net Height (in)	Depth (in)	Hold Down Diameter ¹ (in)	Top Screw Qty ² (ea)	Screw Qty Available at Edges (ea) ³
HFX-15,18,21 & 24x14	164-1/4			15" Width = 8	
HFX-15,18,21 & 24x15	176-1/4			10 Width 0	6
HFX-15,18,21 & 24x16	188-1/4			18" Width = 10	
HFX-15,18,21 & 24x17	200-1/4	3-1/2	1-1/8		7
HFX-15,18,21 & 24x18	212-1/4			21" Width = 12	,
HFX-15,18,21 & 24x19	224-1/4				8
HFX-15,18,21 & 24x20	236-1/4			24" Width = 14	

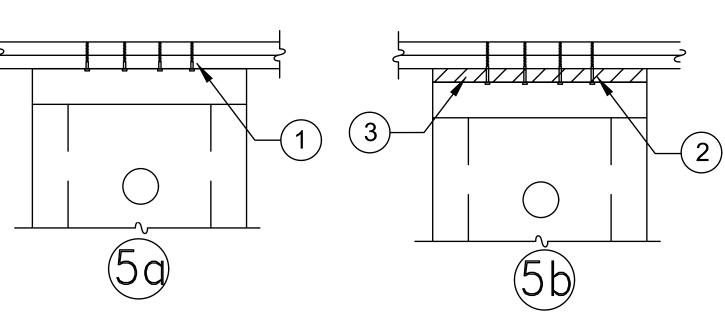
- 1) Hold down bolts connect to the Panel base with (1 ea) Hardened Round, (2 ea) Round-Flat or (2 ea) SAE Washers below (1 ea) Grade 8 Hex Nut on each rod or as specified by the Building Design Professional.
- 2) 1/4" diameter USP-WS Series screws (or equal). Length is 3" (minimum) when attached directly to the collector and 4-1/2" (minimum) when installing a 2x filler above the Panel.
- 3) Adjacent framing with 1/4" diameter screws is required at the edges when installing a 4X filler above or when specified by the Design Professional.

NOTES



- 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN PANEL BASE AND CONCRETE.
- 2. 1 EA. HARDENED ROUND, 2 EA. SAE OR 2 EA. ROUND-FLAT WASHERS AND 1 EA. GRADE 8 HEX NUT AT BOTH ENDS. SEE HFX1 FOR ANCHORAGE.

INSTALLATION ON FOUNDATION



- 1/4" x 3" (MIN) USP "WS-SERIES" SCREWS (OR EQUAL). QUANTITY PER TABLES 1/4" x 4-1/2" (MIN) USP "WS-SERIES" SCREWS (OR EQUAL). QUANTITY PER TABLES
 - 2x WOOD FILLER. FOR DETAIL AT LARGER FILLER SEE 3/S5.2

TOP PLATE CONNECTIONS 5

TABLE NOTES

1) STD indicates HD rods complying with ASTM F1554 Grade 36

on the embed end.

Washer @ HS anchors)

the footing or grade beam.

embed end (HFXBB not required).

beam at outside corner conditions.

with a Hardy Frame Bolt Brace (HFXBB) installed with double nuts

2) HS indicates HD rods complying with ASTM A193 Grade B7 with a

1/2"x3"x3" (Min) Plate Washer installed with double nuts on the

3) le = length of embedment from the top of footing or grade beam to

the top of the HFXBB Bolt Brace (top of the embedded Plate

4) Ca1 = distance from HD CL to the end of the footing or grade

5) Ca2 = distance from HD CL to both the front and the back face of

6) For Unreinforced and Reinforced, curbs and stemwalls must be 6

must be 8 inch width (min) and require supplemental shear

7) Shear Ties are Grade 60 (Min) rebar and are required at curbs

and stem walls for near edge distance conditions. Stem wall

spacing, see "Stirrup Layout" diagrams for layout pattern with

required for installation away from foundation edge, installation on

conditions may require additional ties. Shear Ties are not

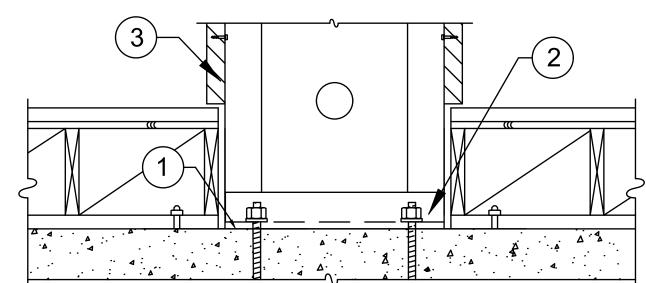
wood framing, or for IRC Braced Wall Panel applications

8) Stirrups are Grade 60 (Min) rebar. See table for size and

reinforcement per ACI-318-11, fc = 2500 psi

corresponding Panel being installed.

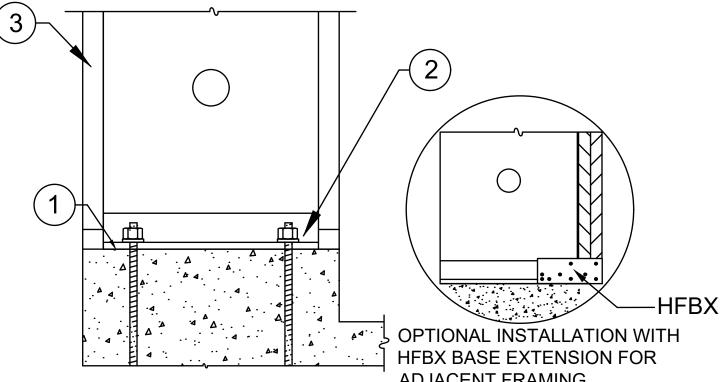
inch width (min). For Back to Back Reinforced curbs and stemwalls



- 1. 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN
- PANEL BASE AND CONCRETE. 2. 1 EA. HARDENED ROUND, 2 EA. SAE OR 2 EA. ROUND-FLAT WASHERS AND 1 EA. GRADE 8 HEX NUT AT BOTH ENDS. SEE HFX1 FOR ANCHORAGE.
- 3. ADJACENT FRAMING WITH 1/4" DIAMETER SCREWS IS INSTALLED AT THE EDGES WHEN INSTALLING A 4x FILLER ABOVE OR WHEN NOTED ON PLAN & **DETAILS**
- 4. SEE DETAIL

RAISED FLOOR HEAD-OUT





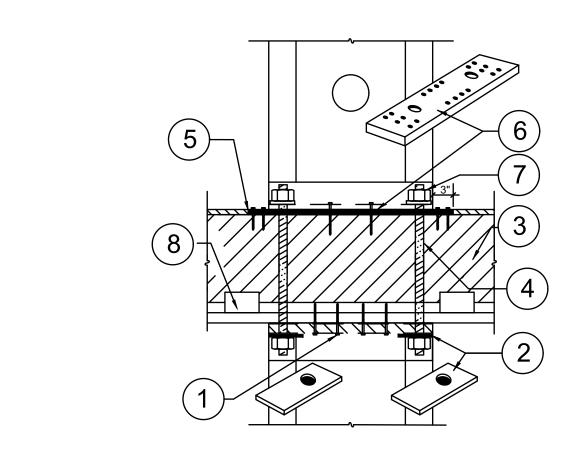
- 1. 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN PANEL BASE AND CONCRETE.
- 2. 1 EA. HARDENED ROUND, 2 EA. SAE OR 2 EA. ROUND-FLAT WASHERS AND
- 1 EA. GRADE 8 HEX NUT. SEE HFX1 FOR ANCHORAGE.

3. ADJACENT FRAMING OPTIONAL U.N.O.

4. SEE DETAIL

INSTALLATION ON CURB

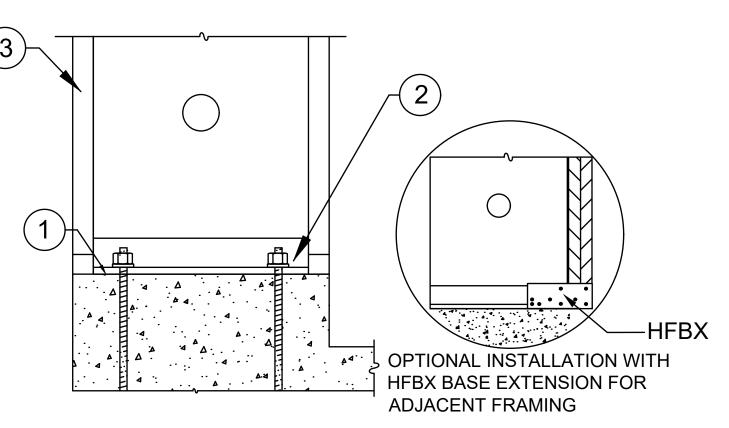




- 1/4" x 4-1/2" (MIN) USP-WS SCREWS (OR EQUAL) PER TABLE.
- HARDY FRAME "STK WASHER" AT TOP OF PANEL WHEN CONNECTING TO HOLD DOWN ABOVE.
- 4x (MIN) RIM, TABLES SPECIFY ENGINEERED WOOD PRODUCT.
- ALL THREAD ROD PER PLANS.
- FLOOR SHEATHING NOTCHED FOR BEARING PLATE (HFXBP).
- HARDY FRAME BEARING PLATE (HFXBP) WITH 6 EA.1/4" DIA. x 3" (MIN) USP-WS SCREWS (OR EQUAL) AT EACH END. WHEN MORE THAN 12 EA. SCREWS ARE REQUIRED INSTALL 1/4" x 4-1/2" (MIN) SCREWS THROUGH BASE OF PANEL.
- 7. 1 EA. HARDENED ROUND, 2 EA. SAE OR 2 EA. ROUND-FLAT WASHERS AND 1 EA. GRADE 8 HEX NUT.
- LTP CONNECTORS OR EQUAL PER PLAN AND DETAILS

STRAIGHT STACK

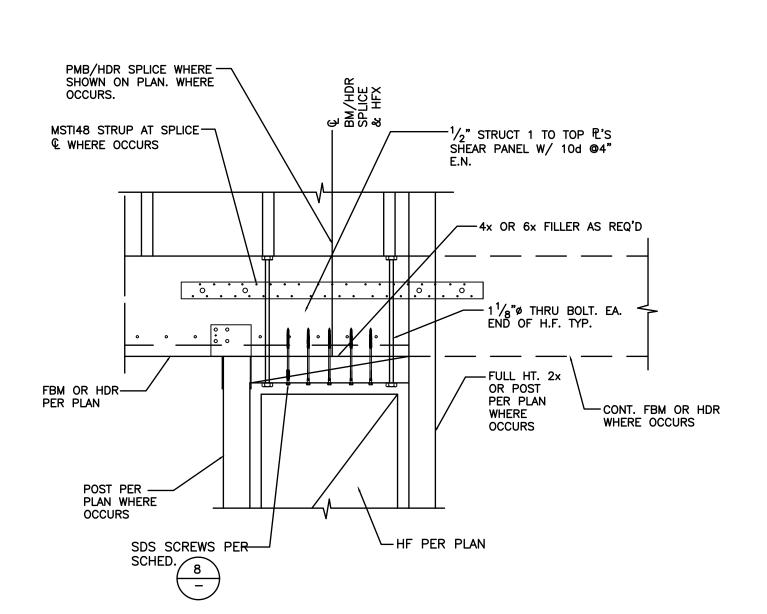




- 1. 3½" PSL WOOD FILLER WITH SIMPSON LTP4 @8" O.C. CONNECTORS U.N.O. ON PLAN OR DETAILS.
- 2. 1/4" x 3" (MIN) USP "WS-SERIES" SCREWS (OR EQUAL). QUANTITY PER TABLES
- 3. ADJACENT FRAMING WITH 1/4" DIAMETER SCREWS @12" O.C. IS INSTALLED AT THE EDGES WHEN INSTALLING A 4x FILLER ABOVE OR WHEN NOTED ON PLAN OR DETAILS
- 4. OPTIONAL LEDGER PRE-DRILL 3/16" DIA. HOLES, EVENLY SPACED IN FACE OF PANEL AND INSTALL 1/4" DIA. WOOD SCREWS INTO 2x (MIN.) WOOD LEDGER LOCATED IN PANEL CAVITY.
- 5. CONNECTOR AND ATTACHMENT WHERE NOTED ON PLAN OR DETAILS.
- 6. THRU END BOLTS WHERE SHOWN ON PLAN OR DETAILS

TOP CONNECTION W/ 4x FILLER





HARDY FRAME CONN AT HDR./FBM (4)



