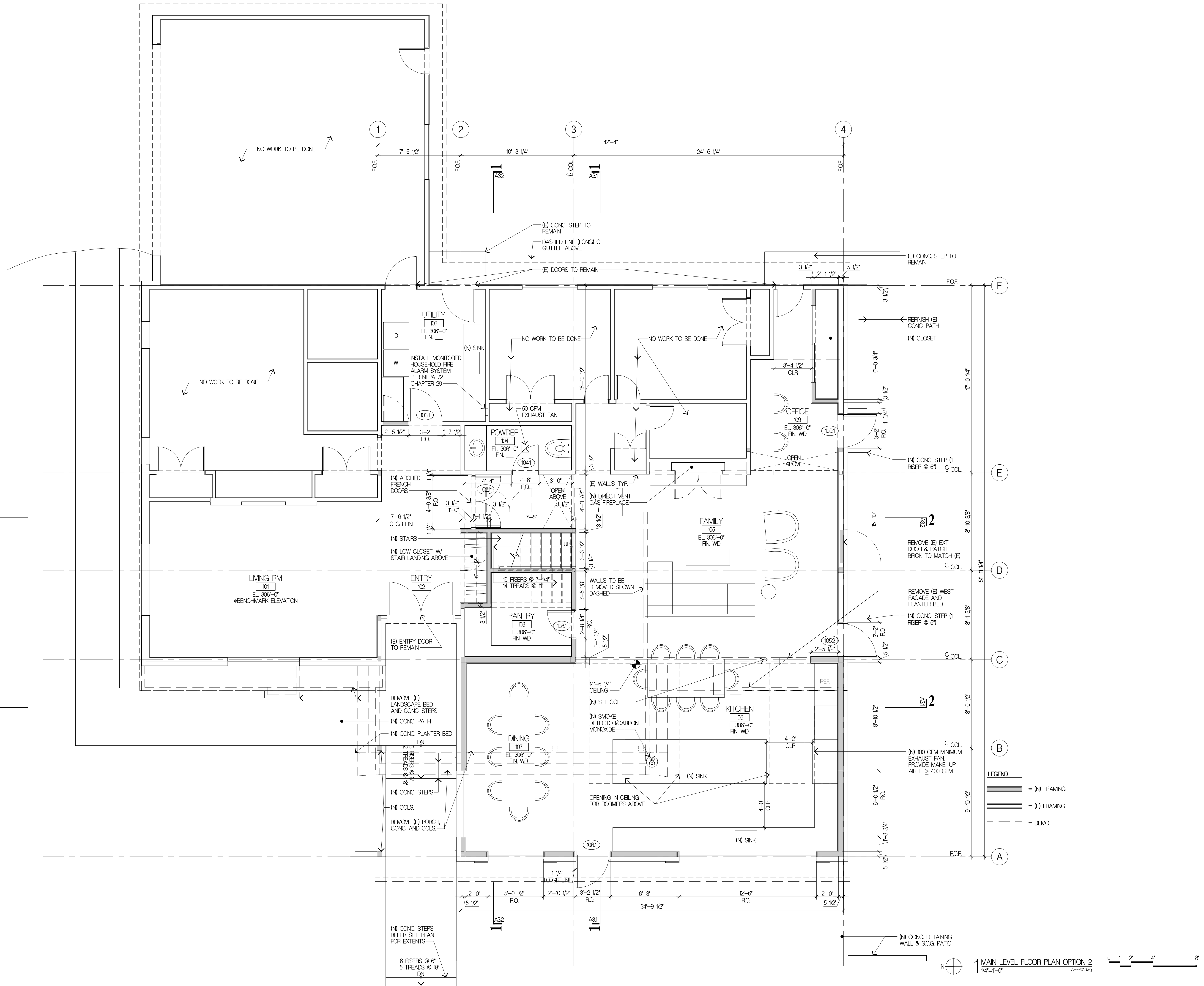
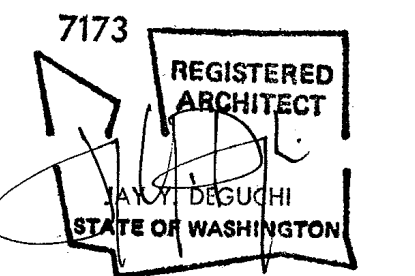


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21/8



Project Title
FUKANO RESIDENCE
 6600 82ND AVE. SE
 MERCER ISLAND, WA 98040



Drawing Title
MAIN LEVEL FLOOR PLAN

Date
 11/4/18
 Job No.
 1808

ISSUE _____ DATE _____

PERMIT SET
 Sheet No.

1 MAIN LEVEL FLOOR PLAN OPTION 2
 1/4"=1'-0"
 A-FR1010.dwg

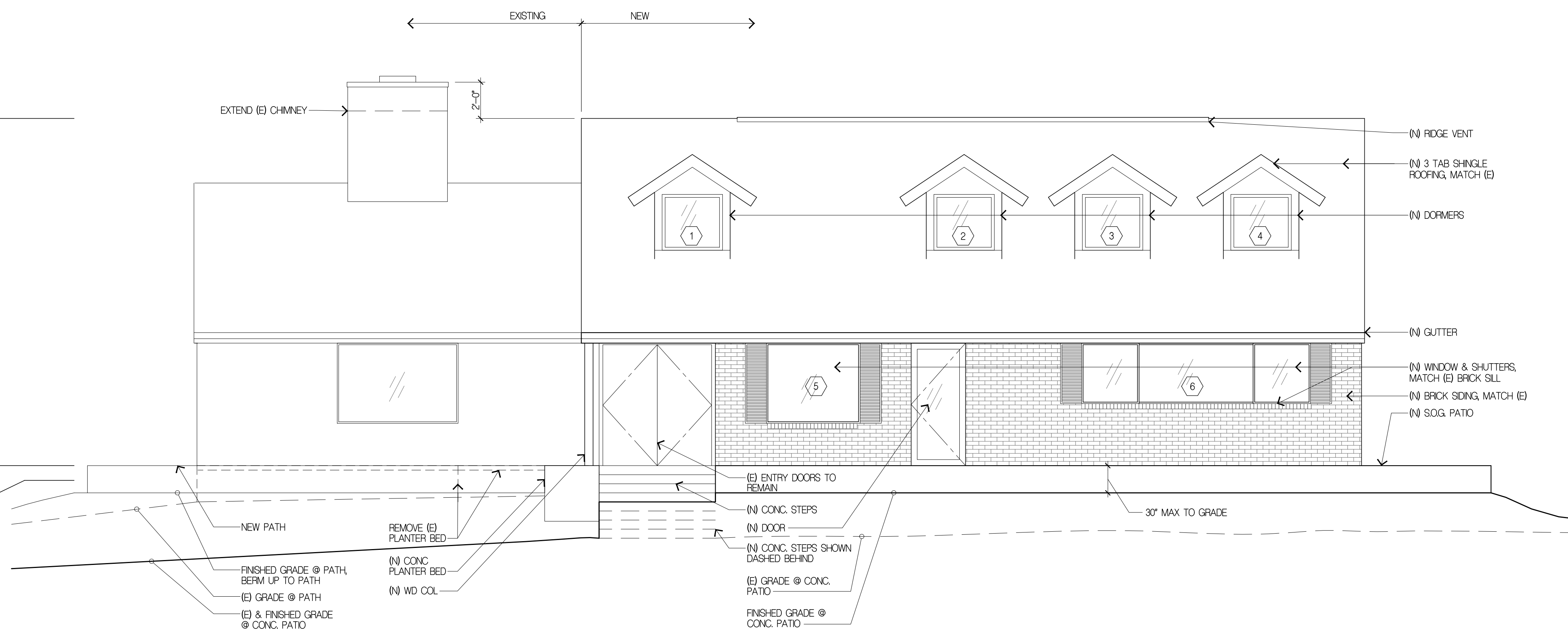
A1.1

335'-2 1/4"
 ALLOWABLE BUILDING HEIGHT

EL. 325'-1 3/4"
 PROPOSED RIDGE

EL. 306'-0"
 FN FLR @ MAIN LEVEL

EL. 305'-2 1/4"
 AVERAGE BUILDING ELEVATION



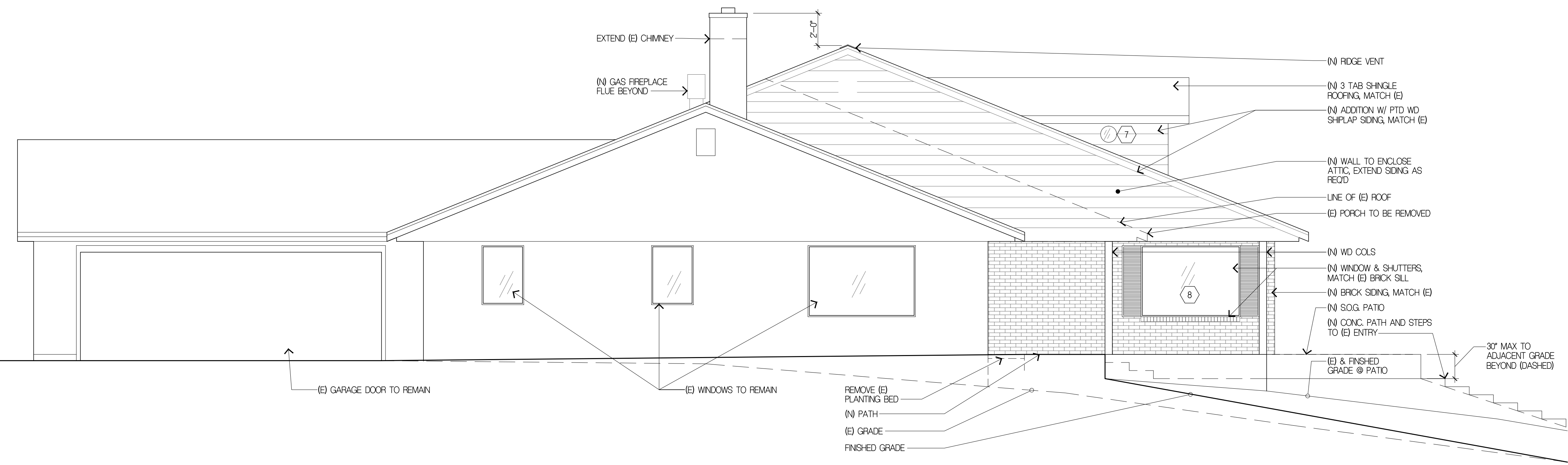
2 WEST ELEVATION
 1/4"=1'-0" 808-El.dwg 0 1 2 4 8

335'-2 1/4"
 ALLOWABLE BUILDING HEIGHT

EL. 325'-1 3/4"
 PROPOSED RIDGE

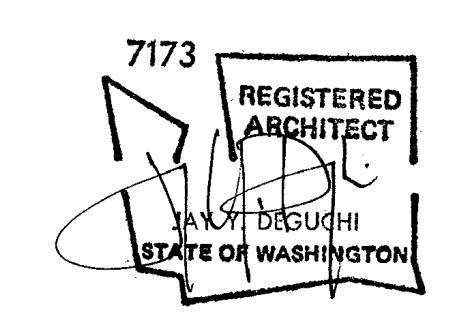
EL. 306'-0"
 FN FLR @ MAIN LEVEL

EL. 305'-2 1/4"
 AVERAGE BUILDING ELEVATION



1 SOUTH ELEVATION
 1/4"=1'-0" 808-El.dwg 0 1 2 4 8

Project Title:
FUKANO RESIDENCE
 6600 82ND AVE. SE
 MERCER ISLAND, WA 98040



Drawing Title:
EXTERIOR ELEVATIONS

Date:
 11/4/18
 Job No.
 1808

ISSUE DATE

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 Sheet No.

A2.1

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WINDOW SCHEDULE

I.D.	MANUF.	DESCRIPTION	U-VAL	R.O. WIDTH	R.O. HEIGHT	AREA	UxA	ORIENTATION	OPERATION	FRAME MATERIAL	SAFETY GLASS	NOTES
1	MILGARD	ALUMINUM PICTURE	0.30	3	4 1/2	3	1	10.4	3.1	W	FIXED	ALUM.
2	MILGARD	ALUMINUM PICTURE	0.30	3	4 1/2	3	1	10.4	3.1	W	FIXED	ALUM.
3	MILGARD	ALUMINUM PICTURE	0.30	3	4 1/2	3	1	10.4	3.1	W	FIXED	ALUM.
4	MILGARD	ALUMINUM PICTURE	0.30	3	4 1/2	3	1	10.4	3.1	W	FIXED	ALUM.
5	MILGARD	ALUMINUM PICTURE	0.30	5	1 1/2	4	5	22.3	6.7	W	FIXED	ALUM.
6	MILGARD	ALUMINUM SLIDER	0.30	12	6	3	4	41.7	12.5	W	SLIDER	ALUM.
7	MILGARD	ALUMINUM PICTURE	0.30	1	1 1/2	1	1/2	1.1	0.3	N	FIXED	ALUM.
8	MILGARD	ALUMINUM PICTURE	0.30	6	1 1/2	4	5	26.7	8.0	N	FIXED	ALUM.
WINDOW SUBTOTAL								133.3	40.0			

GLAZED EXTERIOR DOOR SCHEDULE

I.D.	MANUF.	DESCRIPTION	U-VAL	R.O. WIDTH	R.O. HEIGHT	AREA	UxA	ORIENTATION	OPERATION	FRAME MATERIAL	SAFETY GLASS	REMARKS		
105.2	MILGARD		0.30	3	2	7	1/4	22.2	6.7	S	SWING	ALUM	YES	
106.1	MILGARD		0.30	3	2	1/2	6	9	21.7	6.5	W	SWING	ALUM	YES
109.1	MILGARD		0.30	3	2	7	1/4	22.2	6.7	S	SWING	ALUM	YES	
GLAZED DOOR SUBTOTAL								66.1	19.9					

OPAQUE EXTERIOR DOOR SCHEDULE

OPAQUE DOOR SUBTOTAL								0.0	0.0			
GLAZED DOOR SUBTOTAL								66.1	19.9	SEE WINDOW SCHEDULE ABOVE		
WINDOW SUBTOTAL								133.3	40.0			
FENESTRATION TOTAL								199.4	59.8			
GLAZING AREA-WEIGHTED U-FACTOR								0.30	0.30	0.30 MAXIMUM ALLOWED FENESTRATION U-FACTOR PER 2015 WSEC TABLE 402.1.1		
OPAQUE DOOR TOTAL								0.0	0.0			
OPAQUE DOOR AREA-WEIGHTED U-FACTOR								0.00	0.00			

- NOTES:**
1. WINDOWS ARE REFERENCED ON EXTERIOR ELEVATIONS. DOORS ARE REFERENCED ON FLOOR PLANS.
 2. MILGARD 620 SERIES WINDOWS. ALL WINDOWS TO MEET 30 MAX U FACTOR TO MEET THE PRESCRIPTIVE ENERGY CODE FOR CLIMATE ZONE MARINE 4
 3. ALL WINDOWS WITHIN A 2-FOOT ARC OF A DOOR AND 60" OR LESS ABOVE FLOOR MUST HAVE TEMPERED GLASS.
 4. ALL WINDOWS 18" OR LESS ABOVE FLOOR MUST HAVE TEMPERED GLASS.
 5. CONTRACTOR TO VERIFY ALL R.O.'S AFTER FRAMING IS COMPLETE AND PRIOR TO ORDERING DOORS AND WINDOWS.

Suyama Peterson Deguchi
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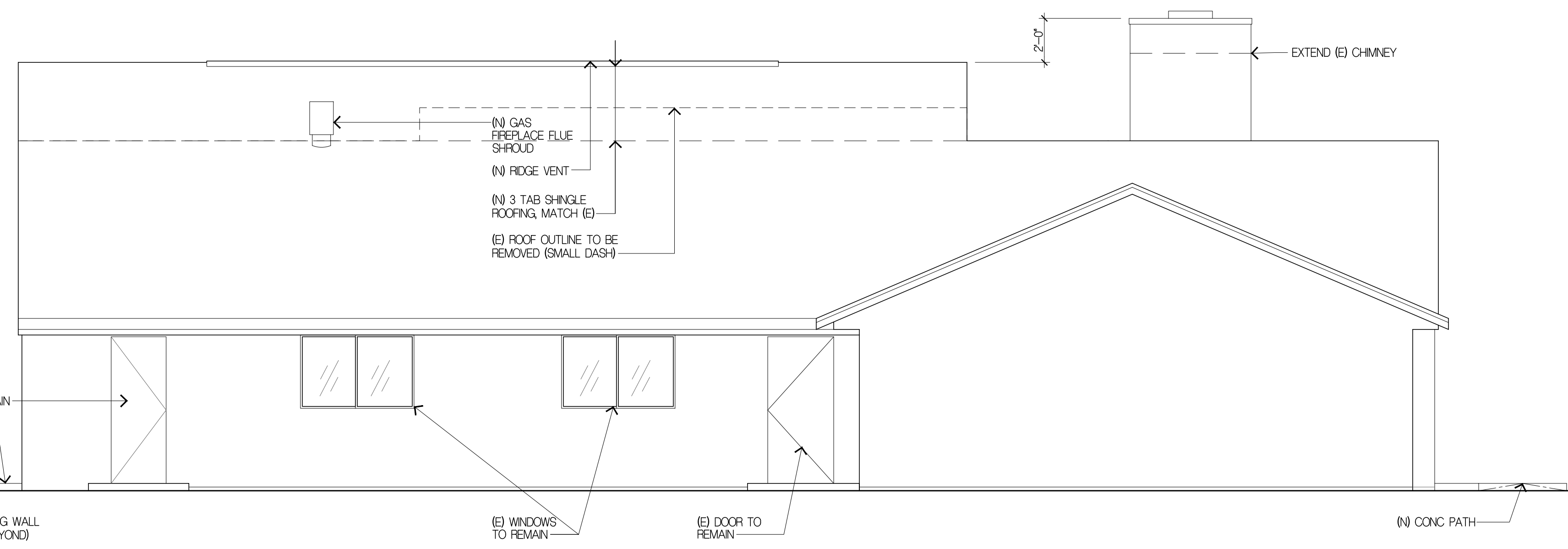
EL. 335'-2 1/4"
ALLOWABLE BUILDING HEIGHT

EL. 325'-1 3/4"
PROPOSED RIDGE

EL. 306'-0"
FN FLR @ MAIN LEVEL

EL. 305'-2 1/4"
AVERAGE BUILDING ELEVATION

335'-2 1/4"
ALLOWABLE BUILDING HEIGHT

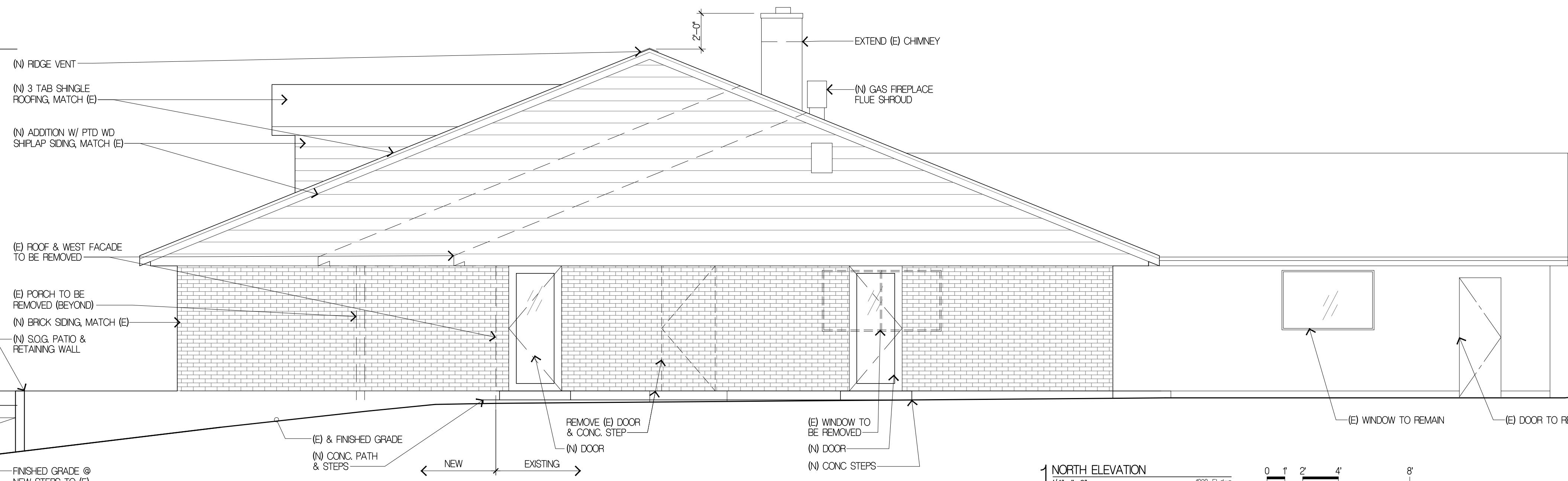


2 EAST ELEVATION
1/4"=1'-0"
306-El.dwg

EL. 325'-1 3/4"
PROPOSED RIDGE

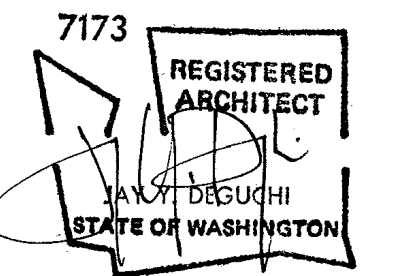
EL. 306'-0"
FN FLR @ MAIN LEVEL

EL. 305'-2 1/4"
AVERAGE BUILDING ELEVATION



1 NORTH ELEVATION
1/4"=1'-0"
306-El.dwg

Project Title:
FUKANO RESIDENCE
 6600 82ND AVE. SE
 MEPCER ISLAND, WA 98040



Drawing Title:
EXTERIOR ELEVATIONS & WINDOW/DOOR SCHEDULE

Date:
11/4/18
 Job No.
1808

ISSUE DATE

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 Sheet No.

A2.2

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CRITERIA

- 1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE... 2. DESIGN LOADING CRITERIA: RESIDENTIAL - ONE AND TWO-FAMILY DWELLINGS FLOOR LIVE LOAD... MISCELLANEOUS LOADS DECKS... DEFLECTION CRITERIA LIVE LOAD DEFLECTION... ENVIRONMENTAL LOADS SNOW... WIND... EARTHQUAKE ANALYSIS PROCEDURE...

3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS...

4. PRIMARY STRUCTURAL ELEMENTS NOT DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS SHALL BE LOCATED BY THE ARCHITECTURAL PLANS AND DETAILS...

5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTORS WORK...

6. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURAL AND STRUCTURAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS...

7. CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION...

8. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN...

9. ALL STRUCTURAL SYSTEMS, WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERRECTED, SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION...

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

- GLUED LAMINATED MEMBERS MANUFACTURED LUMBER (PSL'S, LSL'S, LVL'S) PLYWOOD WEB JOISTS

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

11. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD...

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...

12. STRUCTURAL OBSERVATION SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 1704.6 OF THE INTERNATIONAL BUILDING CODE FOR THE FOLLOWING BUILDING ELEMENTS:

- LIGHT FRAMED SHEAR WALLS HOLLOWDOORS CONCRETE CONSTRUCTION STRUCTURAL STEEL CONSTRUCTION

THE CONTRACTOR SHALL PROVIDE THE ARCHITECT OF RECORD ADEQUATE NOTICE TO SCHEDULE APPROPRIATE SITE VISITS FOR STRUCTURAL OBSERVATION.

STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM, FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS, AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM...

THE OWNER SHALL EMPLOY THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, TO PERFORM STRUCTURAL OBSERVATION. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR, AND THE BUILDING OFFICIAL...

13. FOUNDATION NOTES: SUBGRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION, AND FILLING REQUIREMENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE SOILS REPORT...

- ALLOWABLE SOIL PRESSURE (NATIVE SOILS / STRUCTURAL FILL)... 2000 PSF... ALLOWABLE PASSIVE EARTH PRESSURE (FS OF 1.5 INCLUDED)... 300 PCF... TRAFFIC SURCHARGE PRESSURE (UNIFORM LOAD)... 75 PSF... SEISMIC SURCHARGE PRESSURE (UNIFORM LOAD)... 7H PSF

14. FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED SOILS ENGINEER OR APPROVED BY THE BUILDING OFFICIAL...

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

- ALLOWABLE SOIL PRESSURE... 2000 PSF... LATERAL EARTH PRESSURE (RESTRAINED/UNRESTRAINED)... 55 PCF/35 PCF... ALLOWABLE PASSIVE EARTH PRESSURE (FS OF 1.5 INCLUDED)... 300 PCF... TRAFFIC SURCHARGE PRESSURE (UNIFORM LOAD)... 75 PSF... SEISMIC SURCHARGE PRESSURE (UNIFORM LOAD)... 7H PSF

15. DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONCRETE ON A FOUNDATION AND IN A MANNER SUITABLE TO THE WORK SEQUENCES...

16. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED...

17. EXISTING REINFORCING SHALL BE SAVED WHERE AND AS NOTED ON THE PLANS. SAW CUTTING, IF AND WHERE USED, SHALL NOT CUT EXISTING REINFORCING THAT IS TO BE SAVED.

- A. ALL NEW OPENINGS THROUGH EXISTING WALLS, SLABS AND BEAMS SHALL BE ACCOMPLISHED BY SAW CUTTING WHEREVER POSSIBLE... B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS... C. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING... D. WHERE NEW REINFORCING TERMINATES AT EXISTING CONCRETE, DRILL AND EPOXY DOWELS MATCHING THE NEW REINFORCING INTO THE EXISTING CONCRETE WITH 6" EMBED, UNLESS OTHERWISE NOTED ON PLANS.

18. CONTRACTOR SHALL CHECK FOR DRY ROT AT ALL AREAS OF NEW WORK. ALL ROT SHALL BE REMOVED AND DAMAGED MEMBERS SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE STRUCTURAL ENGINEER OR ARCHITECT.

19. 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 BAGS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 3" OR LESS...

20. 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...

21. 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 318-14, TABLE 19.3.2.1. MODERATE EXPOSURE, F1.

22. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, FY = 60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED ON THE DRAWINGS SHALL BE GRADE 40, FY = 40,000 PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. SPIRAL REINFORCEMENT SHALL BE DEFORMED WIRE CONFORMING TO ASTM A615, GRADE 60, FY = 60,000 PSI.

23. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 13.6.3. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 40 BAR DIAMETERS OR 2"-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS...

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

24. 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"

25. CONCRETE WALL REINFORCING-PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE: 6" WALLS #4 @ 16 HORIZ. #4 @ 18 VERTICAL 1 CURTAIN 8" WALLS #4 @ 12 HORIZ. #4 @ 18 VERTICAL 1 CURTAIN 10" WALLS #4 @ 18 HORIZ. #4 @ 18 VERTICAL 2 CURTAINS 12" WALLS #4 @ 16 HORIZ. #4 @ 18 VERTICAL 2 CURTAINS

26. 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...

27. ADHERED MASONRY VENEER, 2-5/8" MAXIMUM THICKNESS, SHALL BE ADHERED TO BACKING WALLS PER SECTION 1405.10 OF THE INTERNATIONAL BUILDING CODE. ADHERED MASONRY SHALL BE ABLE TO DEVELOP SHEAR STRENGTH OF 50 PSI MINIMUM BETWEEN THE BACKING AND THE UNIT IN ACCORDANCE WITH ASTM C 482 OR SHALL BE ADHERED PER ARTICLE 3.3C OF TMS602/ACI308.1/ASCE 6.

28. 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 AMENDMENTS 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.

29. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, FY = 50 KSI. OTHER ROLLED SHAPES INCLUDING PLATS 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.

30. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

31. 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.

32. ALL A-325N CONNECTION BOLTS NEED ONLY BE TIGHTENED TO A SNUG TIGHT CONDITION, DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLEGS IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH.

33. 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.

34. FRAMING LUMBER SHALL BE S-DRY, KD, OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH WCLIB STANDARD "GRADING RULES FOR WEST COAST LUMBER NO. 1", OR WPCA STANDARD, "WESTERN LUMBER GRADING RULES 2011". FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

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

35. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND ANSI/AITC STANDARDS. EACH MEMBER SHALL BEAR AN AITC OR APA-ENR IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN AITC OR APA-ENR CERTIFICATE OF PERFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv = 245 PSI. ALL COMBINATION BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2400 PSI, Fv = 265 PSI. CAMBER ALL SIMPLE SPAN GLULAM BEAMS, WITH SPANS OVER 30', TO 3,500' RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.

36. 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 MANUFACTURERS PRODUCTS SHALL BE COMPATIBLE WITH THE JOIST HANGERS AND OTHER HARDWARE SPECIFIED ON PLANS, OR ALTERNATE HANGERS AND HARDWARE 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.

37. PREFABRICATED PLYWOOD WEB JOISTS SHALL BE DESIGNED BY THE MANUFACTURER FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS AND SHALL BE FURNISHED AND INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S PUBLISHED SPECIFICATIONS. ALL NECESSARY BRIDGING, BLOCKING, BLOCKING PANELS, STIFFENERS, ETC., SHALL BE DETAILED AND FURNISHED BY THE MANUFACTURER. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. DESIGN SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF WASHINGTON. PERMANENT AND TEMPORARY BRIDGING SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS.

THE DESIGN SHOWN ON THE PLANS IS BASED ON JOISTS MANUFACTURED BY THE WEYERHAEUSER CORPORATION. ALTERNATE PLYWOOD WEB JOIST MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE MANUFACTURERS PRODUCTS SHALL BE COMPATIBLE WITH THE JOIST HANGERS AND OTHER HARDWARE SPECIFIED ON PLANS, OR ALTERNATE HANGERS AND HARDWARE SHALL SUBMITTED FOR REVIEW AND APPROVAL. SUBSTITUTED ITEMS SHALL HAVE ICC-ES REPORT APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES.

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

ROOF SHEATHING SHALL BE 5/8" (NOMINAL) WITH SPAN RATING 32/16.

FLOOR SHEATHING SHALL BE 3/4" (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 UNLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS 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.

39. 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.

40. PRESERVATIVE TREATED WOOD SHALL BE TREATED PER ANPA STANDARD U1 TO THE USE CATEGORY EQUAL TO OR HIGHER THAN THE INTENDED APPLICATION. TREATED WOOD FOR ABOVE GROUND USE SHALL BE TREATED TO ANPA UC3B. WOOD IN CONTINUOUS CONTACT WITH FRESH WATER OR SOIL SHALL BE TREATED TO ANPA UC4A. WOOD FOR USE IN PERMANENT FOUNDATIONS SHALL BE TREATED TO ANPA UC4C.

41. WOOD TREATED FOR FIRE RESISTANCE SHALL MEET THE REQUIREMENTS OF ASTM E 84 OR UL 723 AND HAVE A LISTED FLAME SPREAD INDEX OF 25 OR LESS. FIRE RETARDANT TREATED LUMBER AND WOOD STRUCTURAL PANELS SHALL BE LABELED IN ACCORDANCE WITH IBC 2303.2.4. WOOD TREATED FOR FIRE PROTECTION FOR USE IN INTERIOR ABOVE GROUND CONSTRUCTION AND CONTINUOUSLY PROTECTED FROM WEATHER AND OTHER SOURCES OF MOISTURE SHALL BE TREATED TO ANPA UC3B. WOOD TREATED FOR FIRE PROTECTION FOR USE IN EXTERIOR ABOVE GROUND CONSTRUCTION AND SUBJECT TO WETTING OR OTHER SOURCES OF MOISTURE SHALL BE TREATED TO ANPA UC3F.

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

Table with 3 columns: WOOD TREATMENT, CONDITION, PROTECTION. Rows include HRS NO AMMONIA CARRIER INTERIOR DRY, CONTAINS AMMONIA CARRIER INTERIOR DRY, CONTAINS AMMONIA CARRIER EXTERIOR, and AZCA ANY.

INTERIOR DRY CONDITIONS SHALL HAVE WOOD MOISTURE CONTENT LESS THAN 19%. WOOD MOISTURE CONTENT IN OTHER CONDITIONS (INTERIOR WET, EXTERIOR 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.

43. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THE CONTRACT DOCUMENTS. 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 "LHS" SERIES JOIST HANGERS. ALL T&G JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "T&G" 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.

44. WOOD FASTENERS

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

Table with 3 columns: SIZE, LENGTH, DIAMETER. Rows include 6d 2", 8d 2-1/2", 10d 3", 12d 3-1/4", 16d BOX 3-1/2".

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 DROWN FLUSH TO FACE OF SHEATHING WITH NO CONSIDERING PERMITTED. TOR-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES 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.

45. NOTCHES AND HOLES IN WOOD FRAMING:

A. NOTCHES ON THE ENDS OF SOLID SAWN JOISTS AND RAFTERS 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 OF THE SPAN. NOTCHES 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.

46. 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 AFAPA "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 16" AS F. USE T&G JOISTS AND 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 FLOORS TO SUPPORTS BELOW. PROVIDE CONTINUOUS SOLID BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 10'-0" IN HEIGHT.

ALL WALLS SHALL HAVE A SINGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16d NAILS, AND TORNAIL OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16d NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16d @ 12" O.C. AND LAP MINIMUM 4'-0" AT JOINTS AND PROVIDE EIGHT 16d NAILS @ 4" O.C. EACH SIDE JOINT.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH TWO ROWS OF 16d NAILS @ 12" ON-CENTER, OR ATTACHED TO CONCRETE BELOW WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'-0" ON-CENTER EMBEDDED 7" MINIMUM, UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH TWO ROWS OF 16d @ 12" ON-CENTER. UNLESS OTHERWISE NOTED, GYPSUM WALLBOARD SHALL BE FASTENED TO THE INTERIOR SURFACE OF ALL STUDS AND PLATES WITH NO. 6 X 1-1/4" TYPE S OR W SCREWS @ 8" ON-CENTER. UNLESS INDICATED OTHERWISE, 1/2" (NOMINAL) APA RATED SHEATHING (SPAN RATING 24/0) SHALL BE NAILED TO ALL EXTERIOR SURFACES WITH 8d NAILS @ 6" ON-CENTER AT PANEL EDGES AND TOP AND BOTTOM PLATES (BLOCK UN-SUPPORTED EDGES) AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH 8d NAILS @ 12" ON-CENTER ALLOW 1/8" SPACING AT ALL PANEL EDGES AND PANEL ENDS.

C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. TOR-NAIL JOISTS TO SUPPORTS WITH TWO 16d NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTI JOIST BEAMS TOGETHER WITH TWO ROWS 16d @ 12" ON-CENTER.

UNLESS OTHERWISE NOTED ON THE PLANS, PLYWOOD ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED AT 6" ON-CENTER WITH 8d NAILS TO FRAMED PANEL EDGES, STRUTS AND OVER STUD WALLS AS SHOWN ON PLANS AND 8" 12" ON-CENTER TO INTERMEDIATE SUPPORTS. PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING.

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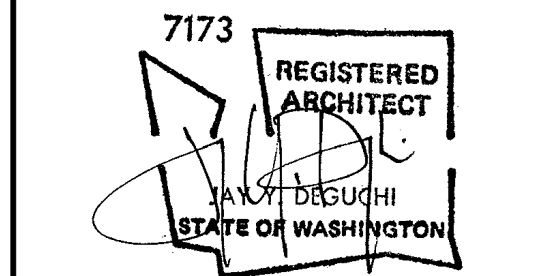
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Suyama Peterson Deguchi 2324 Second Avenue Seattle, Washington 98121 P 206.256.0809 F 206.256.0800

Project Title: FUKANO RESIDENCE 6600 82ND AVE SE MERCER ISLAND, WA 98040



Drawing Title: STRUCTURAL NOTES

Date: 11/4/18

Job No: 1808

ISSUE DATE

PERMIT SET Sheet No.

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FOUNDATION AND FRAMING PLAN LEGEND

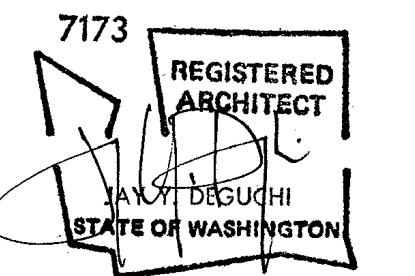
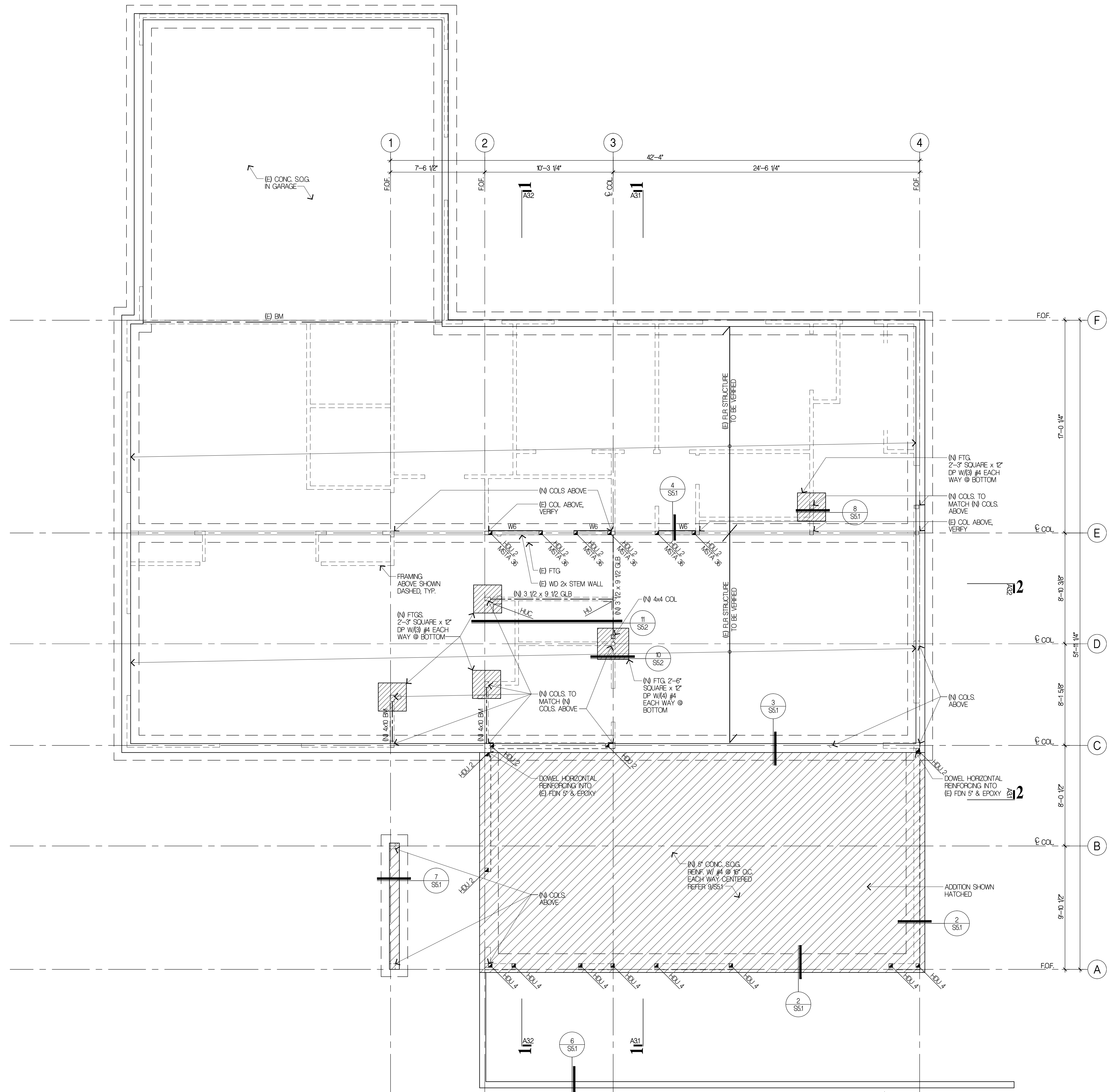
	NON-STRUCTURAL WALL		ROOF JOIST/RAFTER
	THICKENED SLAB EDGE		CEILING JOIST/RAFTER EXTENTS
	SHEAR WALL (HEAVIEST LINE INDICATES PANEL SIDE)		HOLDOWN PER PLAN NOTES
	BEAM/HEADER/LEDGER		CHANGE IN SLAB / FRAMING MEMBER ELEVATION
	STRAP		METAL HANGER
	BLOCKING		WOOD COLUMN
	DB		COLUMN ABOVE
	FB		
	RB		
	W_		
			SEE SCHEDULE _/SS.

FOUNDATION PLAN NOTES (TYPICAL, UNLESS OTHERWISE NOTED)

1. Do not scale drawings. Refer to architectural drawings for all dimensions.
2. The bottom of all exterior footings shall be 18" minimum below grade.
3. Concrete slab over vapor barrier on 4" of gravel or crushed rock over firm undisturbed soil or engineered compacted back-fill. Reinforce with per plan. Provide construction/control joints per Detail 9/SS1.
4. HDU#_ indicates hold-down anchor at end of shear wall above. Install per manufacturer's specifications. See 5/SS1 for Hold-Down Schedule for additional installation requirements.
5. Provide corner bars per Detail 13/SS1 at all wall and footing intersections.
6. Refer to General Structural Notes for additional requirements.

MAIN FLOOR FRAMING PLAN NOTES (TYPICAL, UNLESS OTHERWISE NOTED)

1. Do not scale drawings. Refer to architectural drawings for all dimensions.
2. Floor sheathing shall be 3/4" tongue and groove APA, rated panels. Glue and nail at all framed panel edges with 10d at 6" o.c. and to all intermediate framing at 12" o.c.
3. Headers over door and window openings shall be (2) 2x10 minimum. Provide (2) trimmer studs (minimum) at each end of all headers unless noted otherwise on plans. See Detail 10/SS1 for typical installation.
4. Provide (2) studs (minimum) at each end of all beams unless noted otherwise on plans. Bear beam fully on built up column and provide AC, PC, or LPC cap.
5. W #_ indicates shear wall. See Shearwall Schedule for construction requirements.
6. All exterior walls shall be W6, unless noted otherwise on plans.
7. Refer to General Structural Notes for additional requirements.



FOUNDATION AND FRAMING PLAN LEGEND

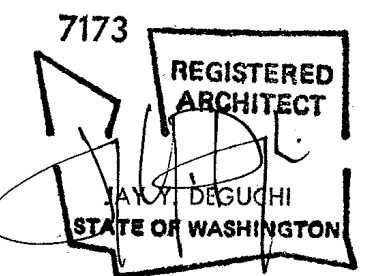
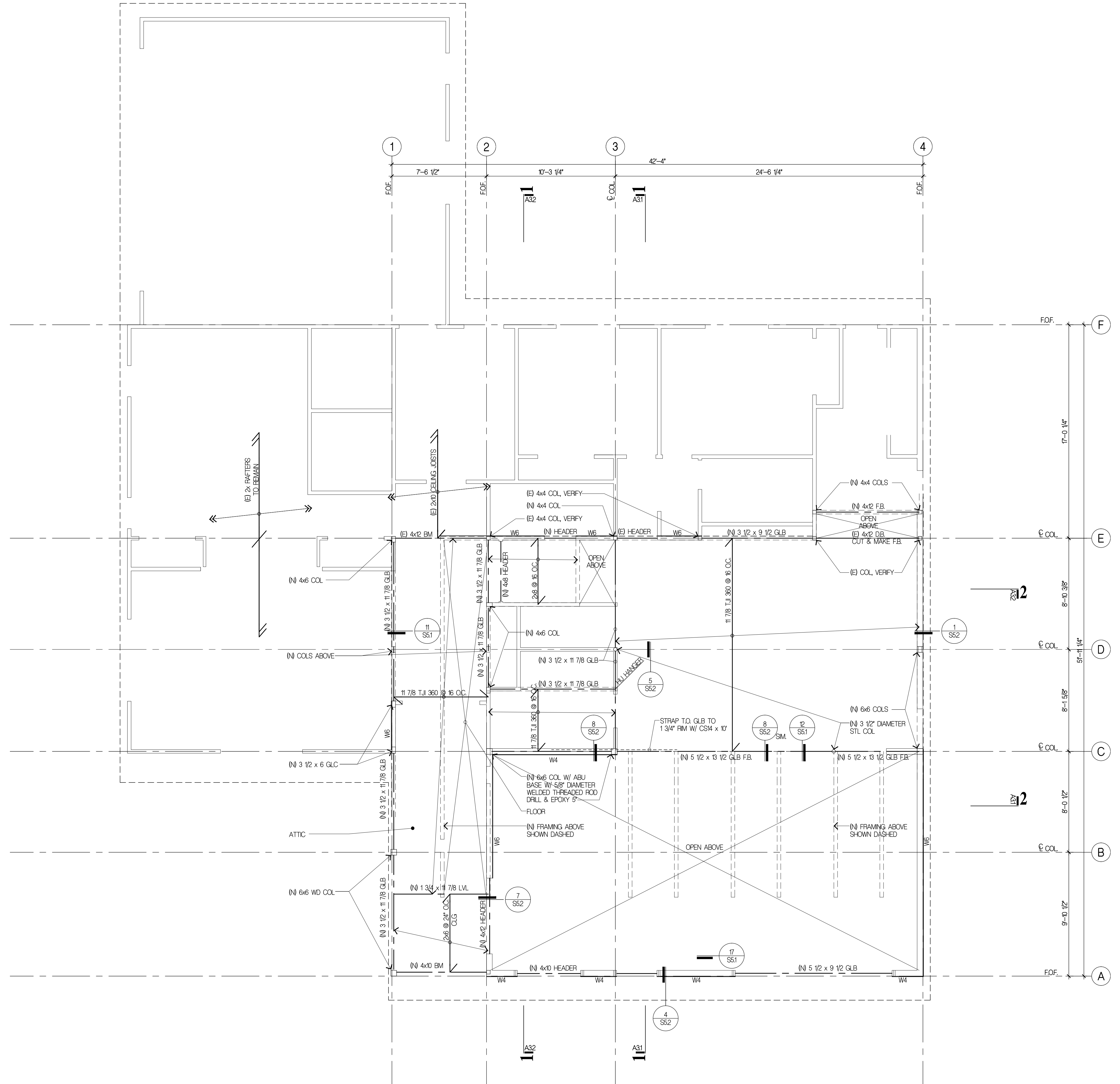
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	W		
	SEE SCHEDULE _/SS.		

MAIN FLOOR FRAMING PLAN NOTES (TYPICAL, UNLESS OTHERWISE NOTED)

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- Headers over door and window openings shall be (2) 2x10 minimum. Provide (2) trimmer studs (minimum) at each end of all headers unless noted otherwise on plans. See Detail 10/SS1 for typical installation.
- Provide (2) studs (minimum) at each end of all beams unless noted otherwise on plans. Bear beam fully on built up column and provide AC, PC, or LPC cap.
- W # indicates shear wall. See Shearwall Schedule for construction requirements.
- All exterior walls shall be W6, unless noted otherwise on plans.
- Refer to General Structural Notes for additional requirements.

ROOF FRAMING PLAN NOTES (TYPICAL, UNLESS OTHERWISE NOTED)

- Do not scale drawings. Refer to architectural drawings for all dimensions.
- Floor sheathing shall be 5/8" tongue and groove APA, rated panels. Glue and nail at all framed panel edges with 10d @ 6" o.c. and to all intermediate framing at 12" o.c.
- Headers over door and window openings shall be (3) 2x6 minimum. Provide (2) trimmer studs (minimum) at each end of all headers unless noted otherwise on plans. See Detail 10/SS1 for typical installation.
- Provide (2) studs (minimum) at each end of all beams unless noted otherwise on plans. Bear beam fully on built up column and provide AC, PC, or LPC cap where concealed.
- W # indicates shear wall. See Shearwall Schedule for construction requirements.
- All exterior walls shall be W6, unless noted otherwise on plans.
- Provide H25 hurricane tie at each beam where it bears on exterior wall.
- Refer to General Structural Notes for additional requirements.
- All exposed framing members are to be selected for architectural paint grade.



FOUNDATION AND FRAMING PLAN LEGEND

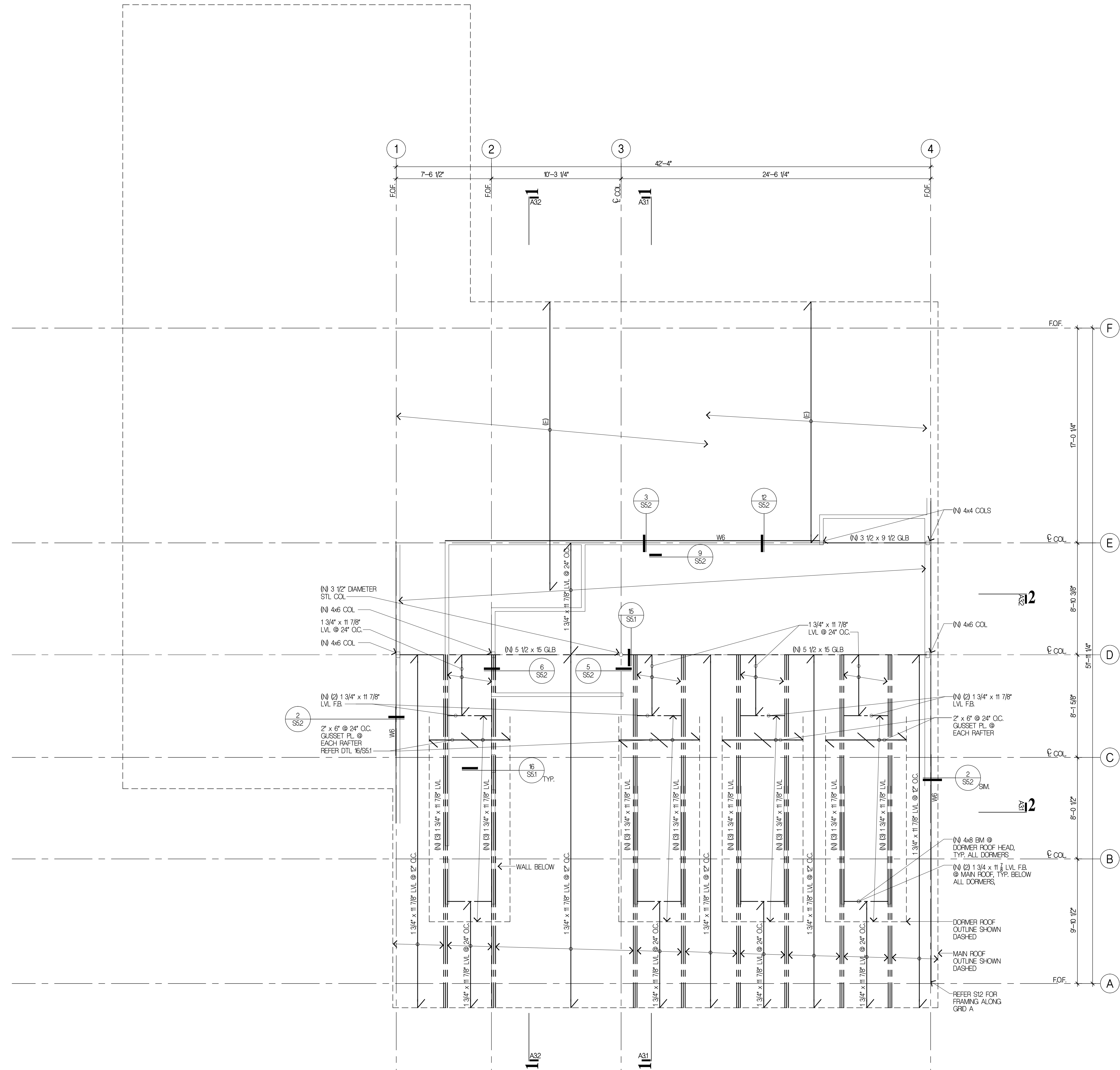
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	BLOCKING		WOOD COLUMN
	DB		COLUMN ABOVE
	FB		
	RB		
	W		
	SEE SCHEDULE _/SS		

ROOF FRAMING PLAN NOTES (TYPICAL, UNLESS OTHERWISE NOTED)

- Do not scale drawings. Refer to architectural drawings for all dimensions.
- Roof sheathing shall be 5/8" tongue and groove APA, rated panels. Glue and nail at all framed panel edges with 10D @ 6" O.C. and to all intermediate framing at 12" O.C.
- Headers over door and window openings shall be (3) 2x8 minimum. Provide (2) trimmer studs (minimum) at each end of all headers unless noted otherwise on plans. See Detail 10/SS1 for typical installation.
- Provide (2) studs (minimum) at each end of all beams unless noted otherwise on plans. Bear beam fully on built up column and provide AC, PC, or LPC cap where concealed.
- W # indicates shear wall. See Shearwall Schedule for construction requirements.
- All exterior walls shall be W5, unless noted otherwise on plans.
- Provide H25 hurricane tie at each beam where it bears on exterior wall.
- Refer to General Structural Notes for additional requirements.
- All exposed framing members are to be selected for architectural paint grade.

21/8

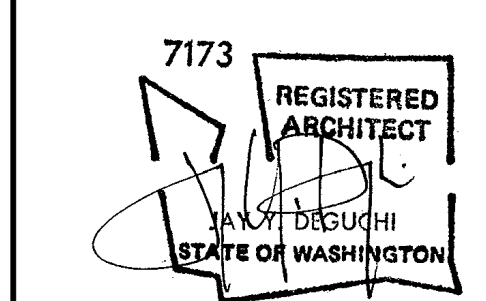
21/8



1 ROOF FRAMING PLAN
1/4"=1'-0"

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Project Title
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MERCER ISLAND, WA 98040



Drawing Title
ROOF FRAMING PLAN

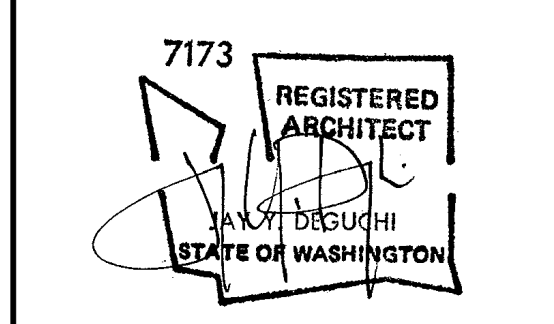
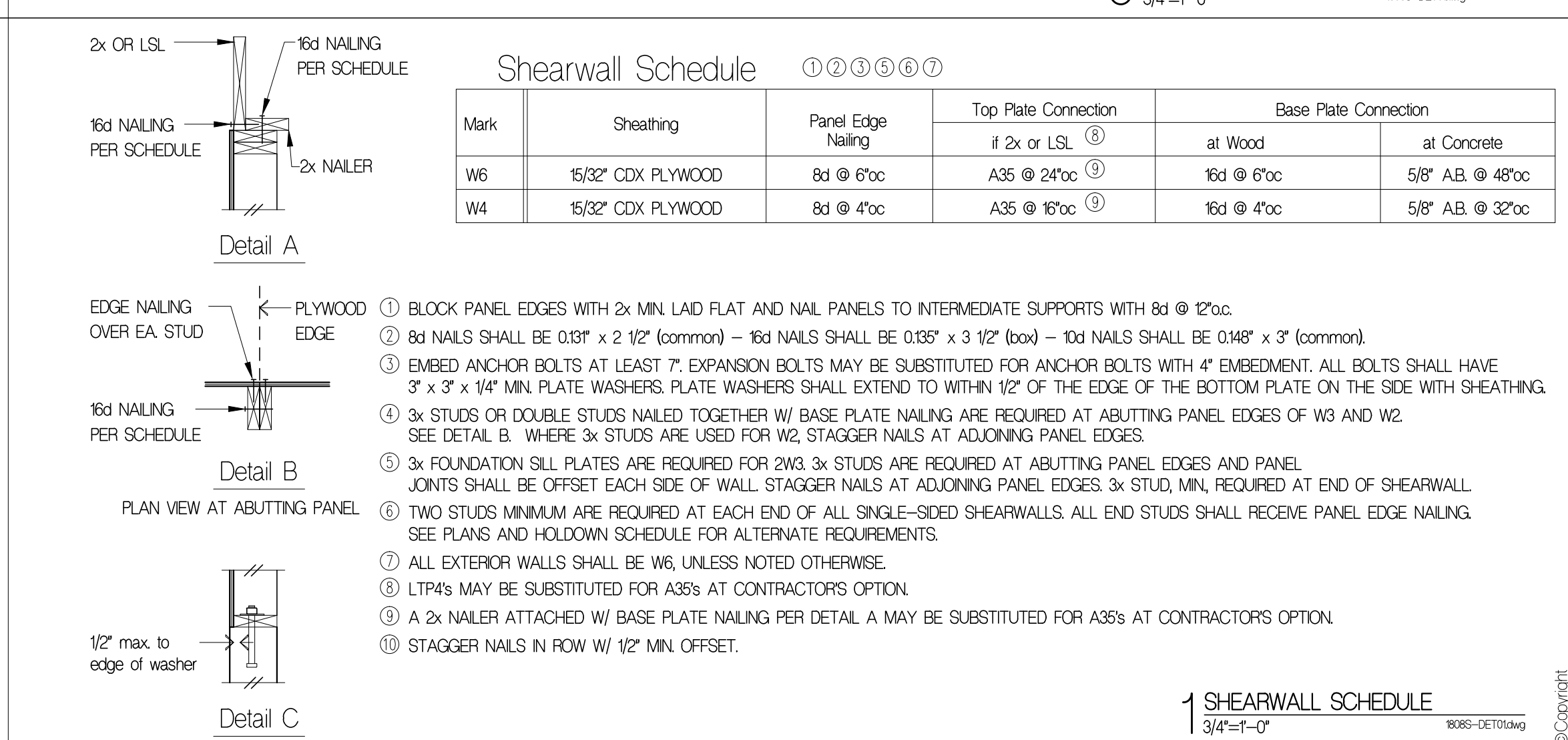
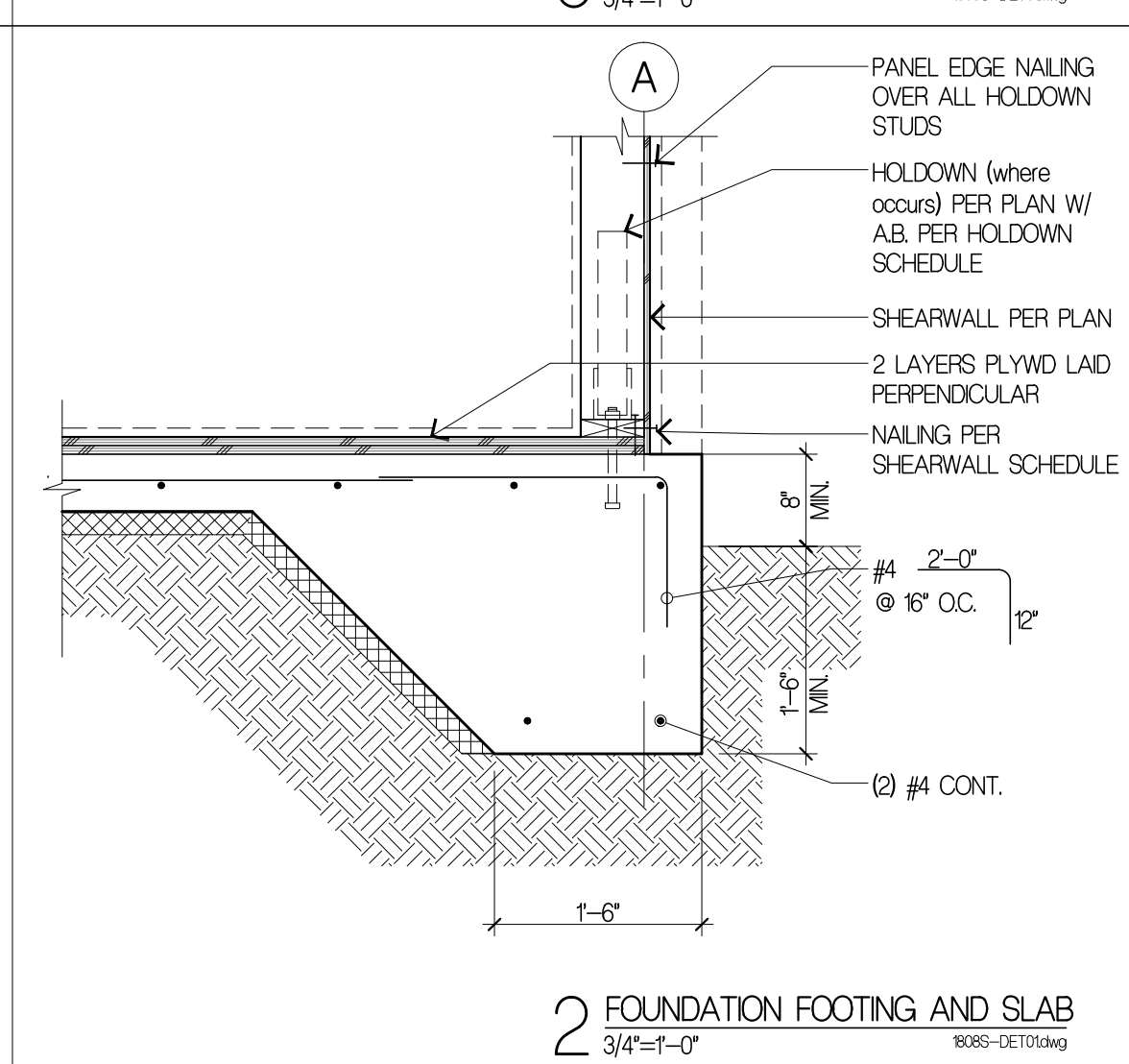
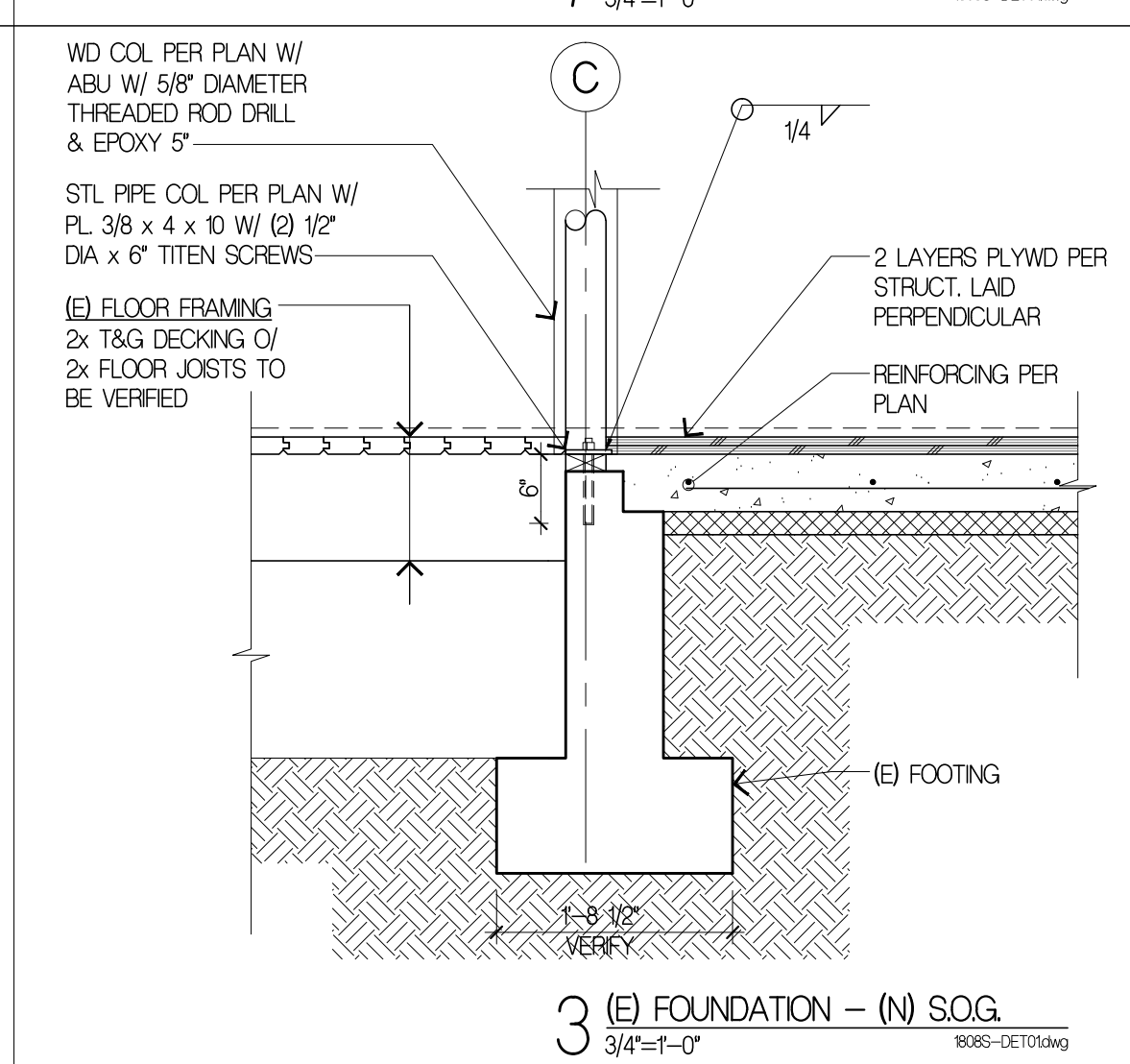
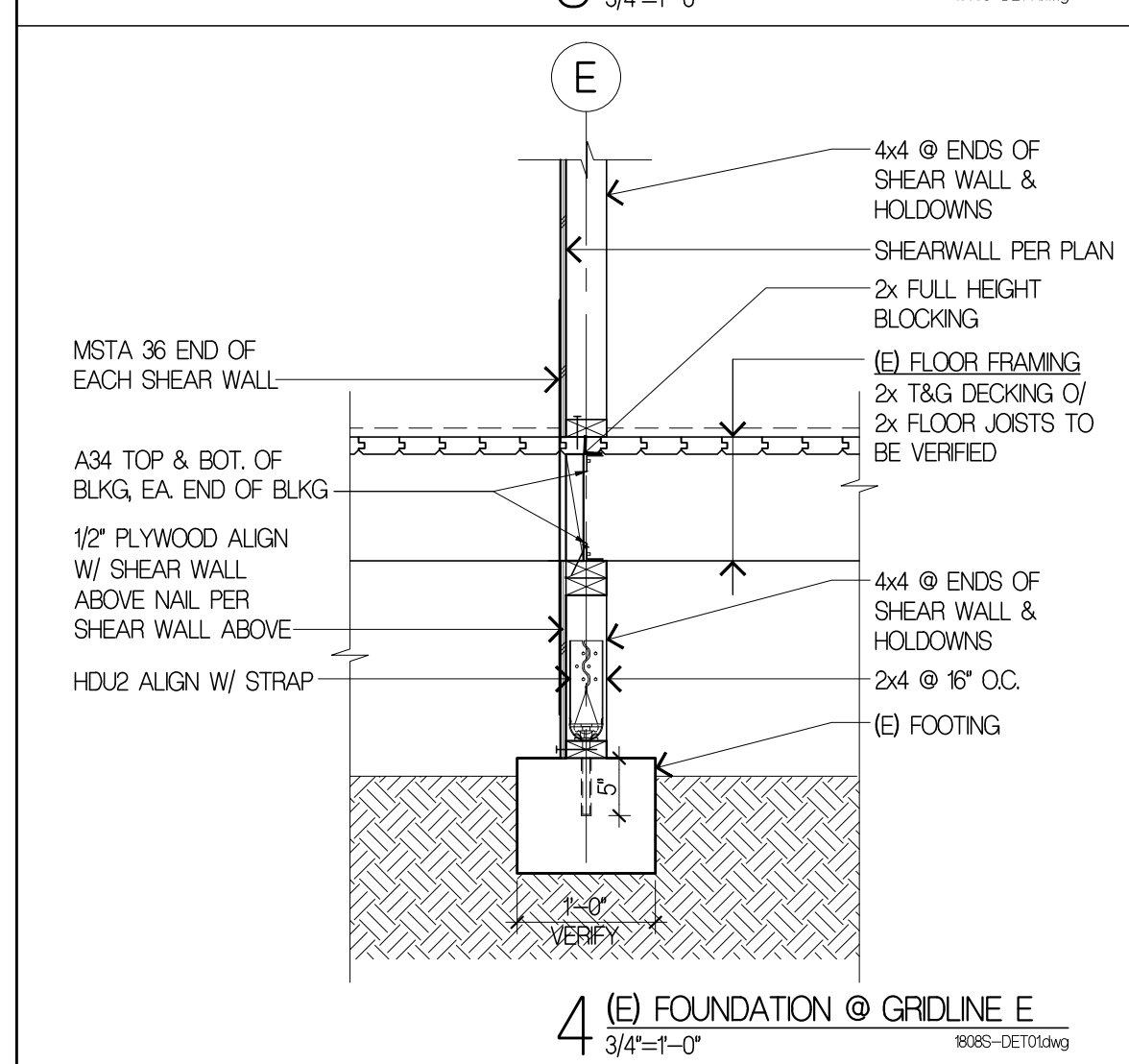
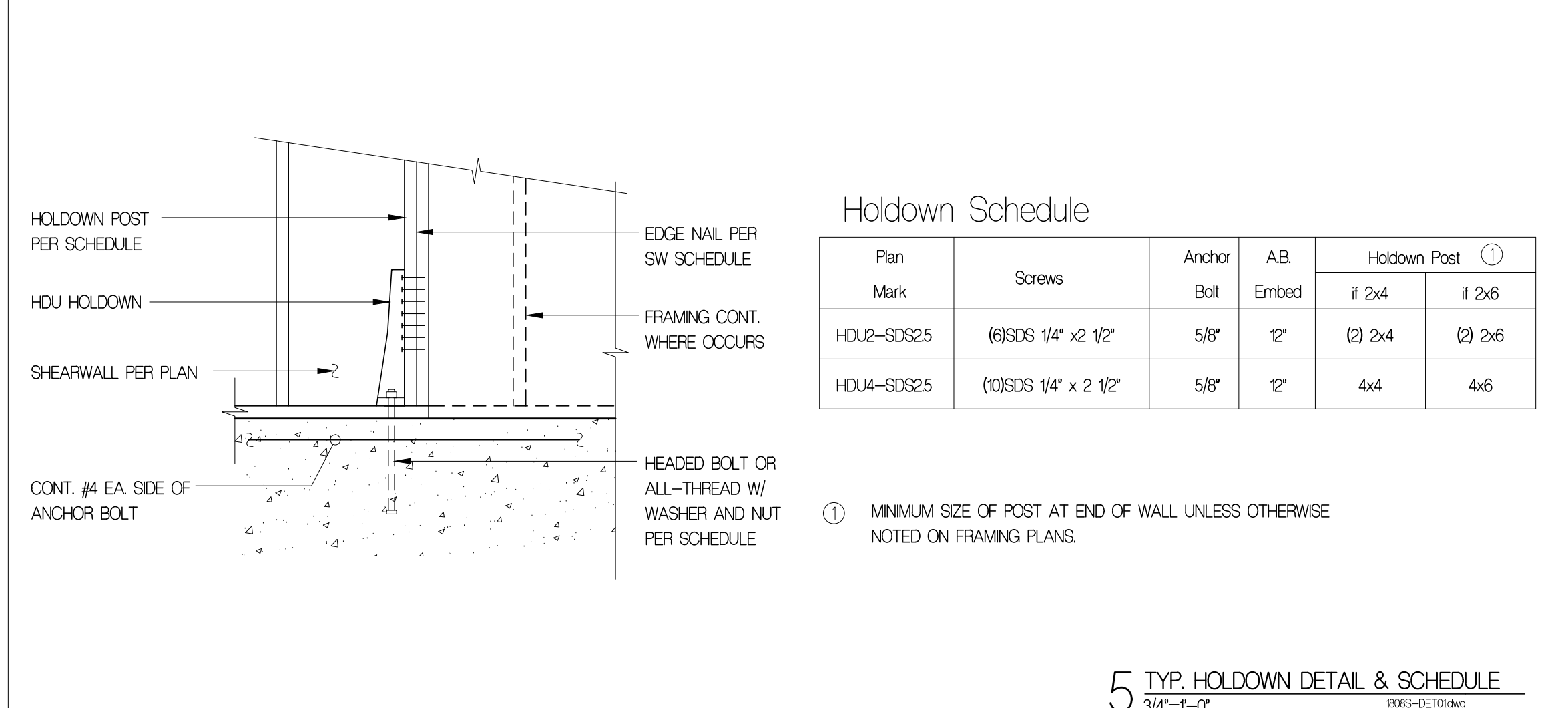
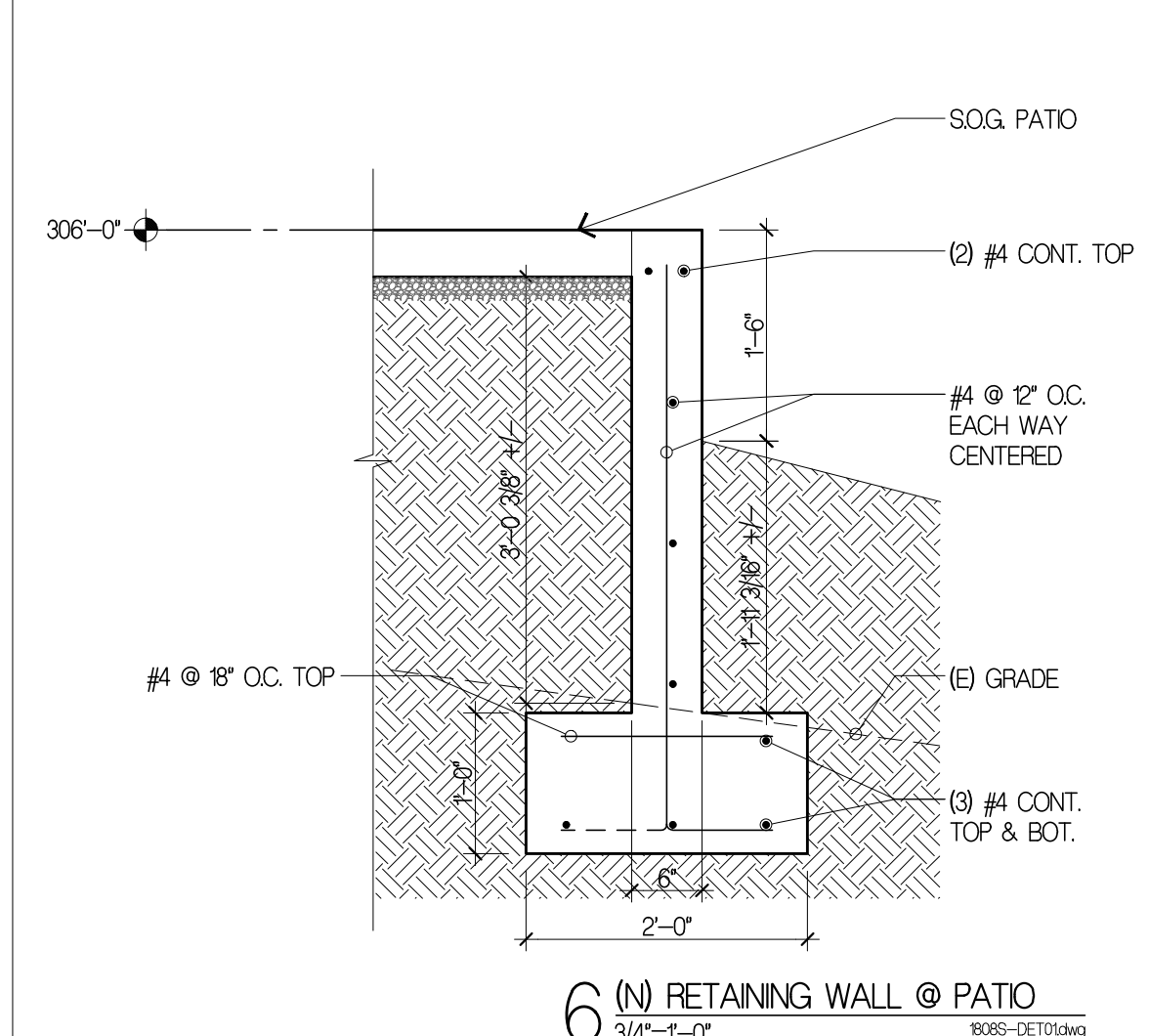
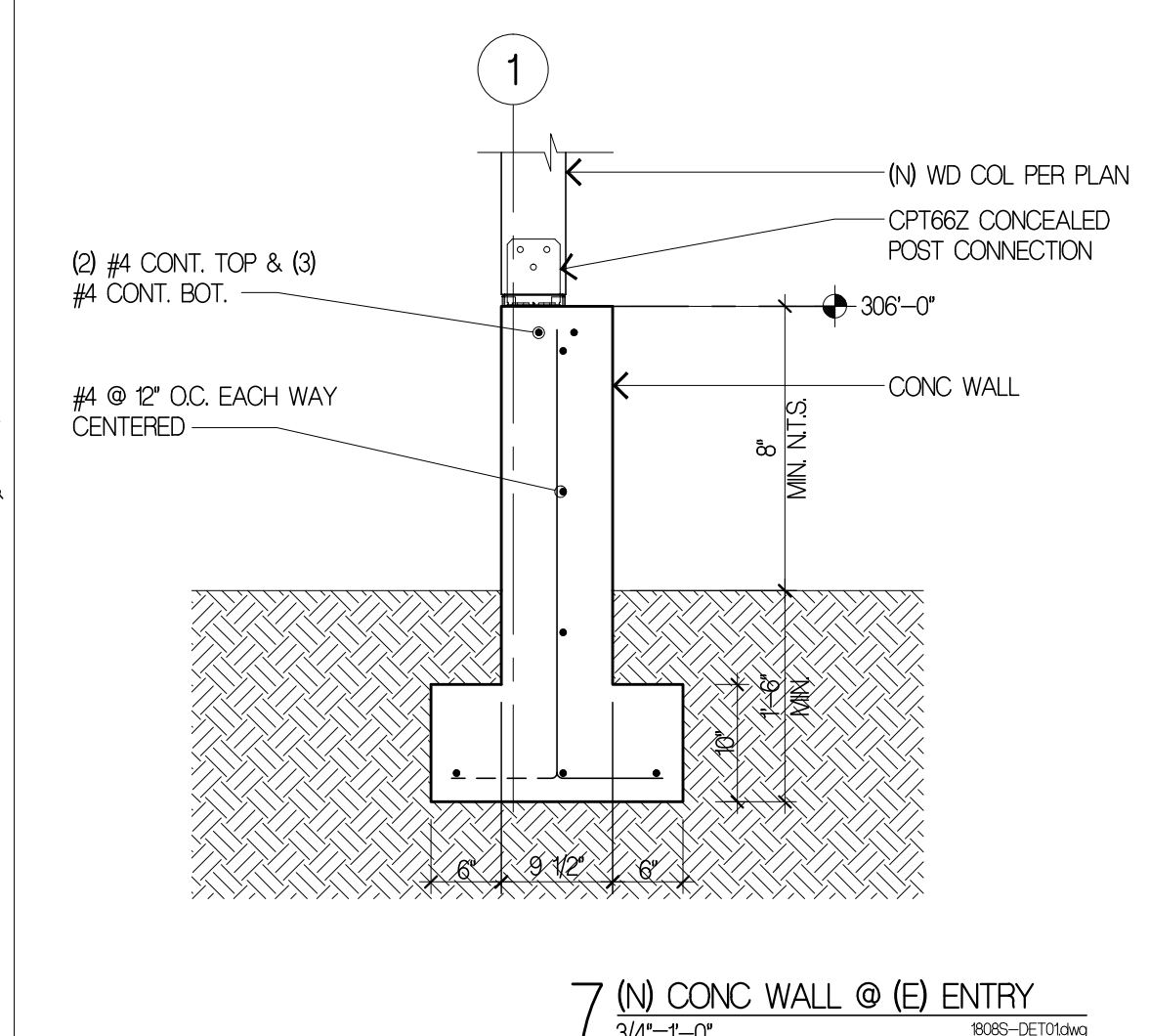
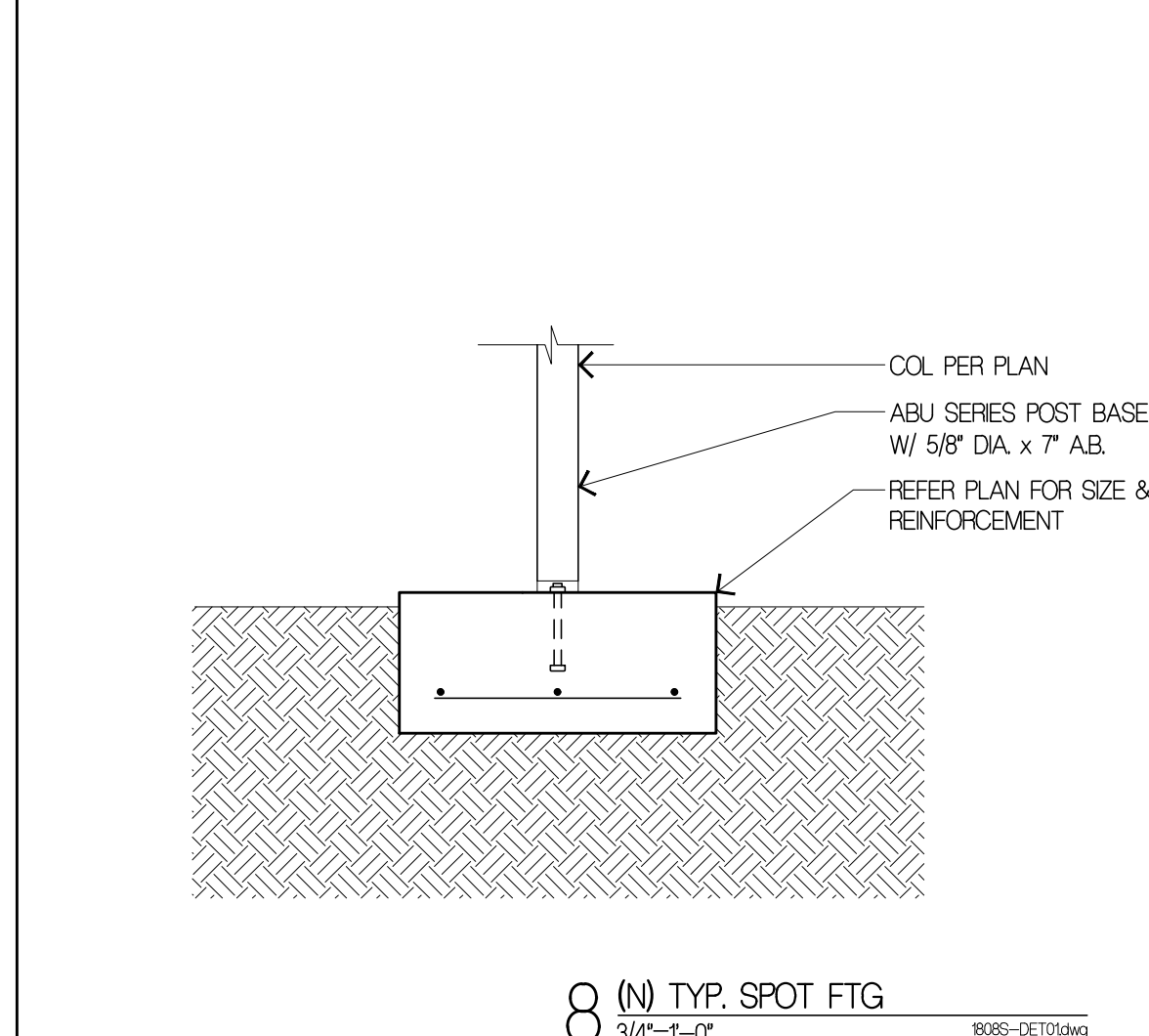
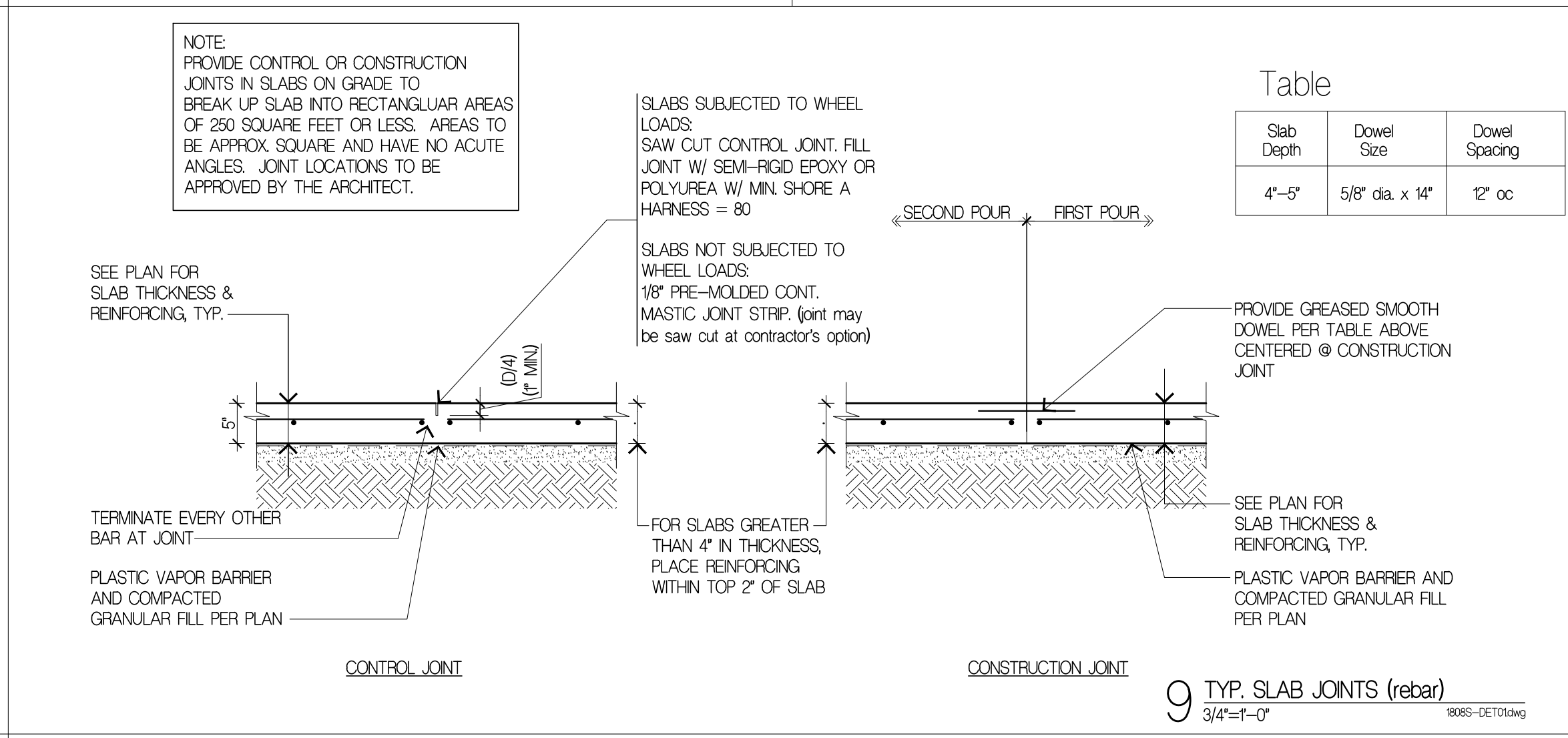
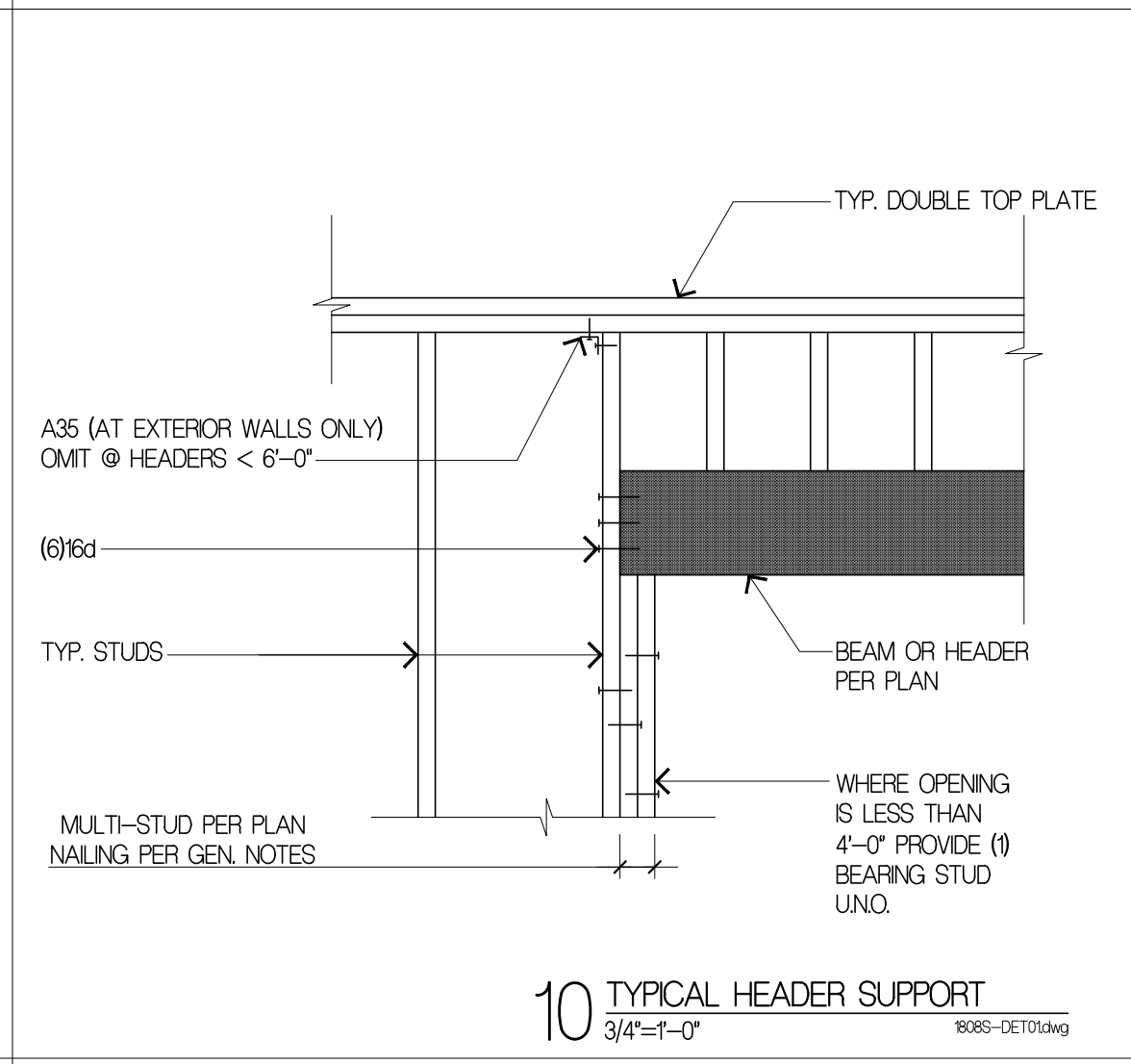
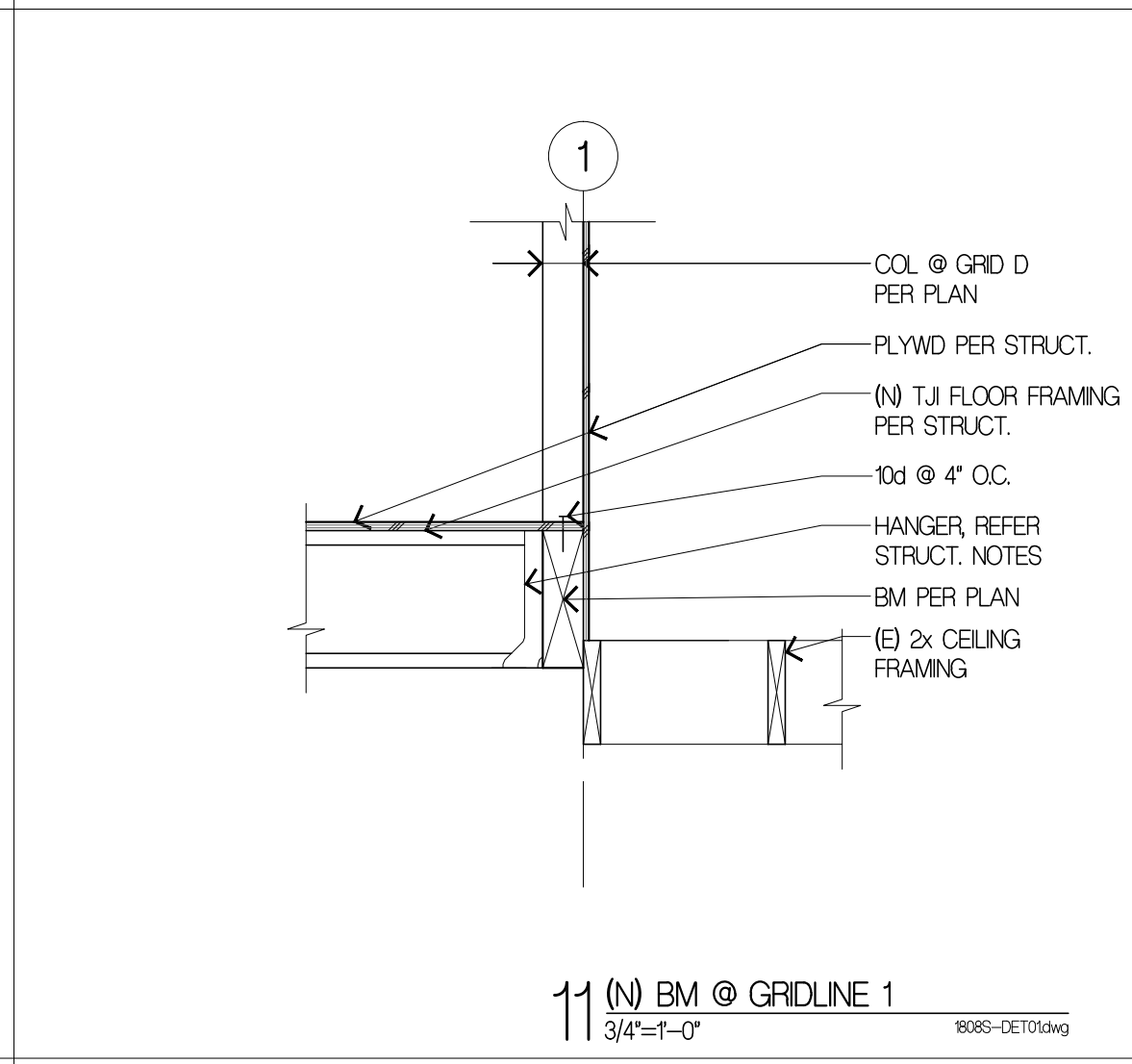
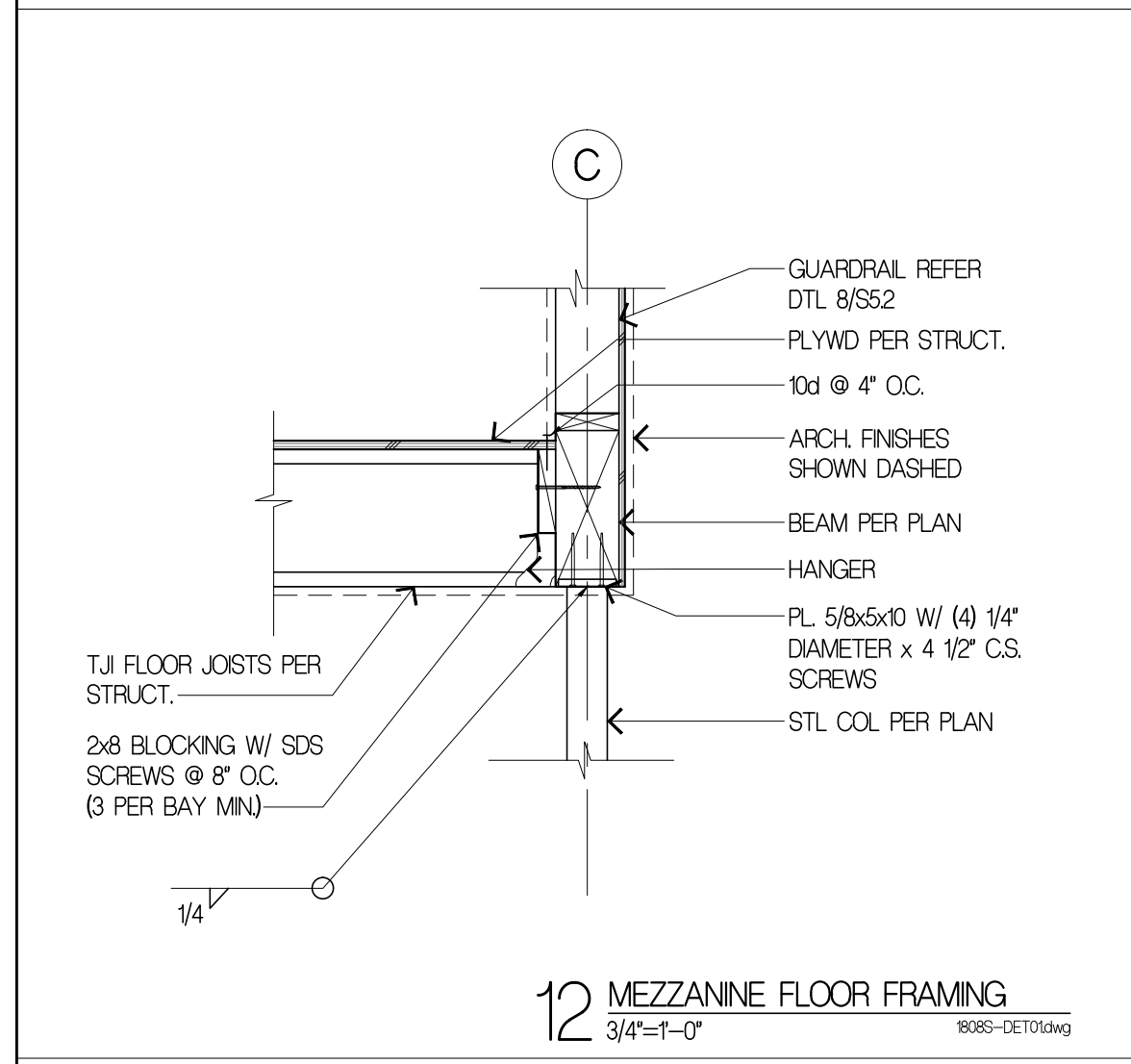
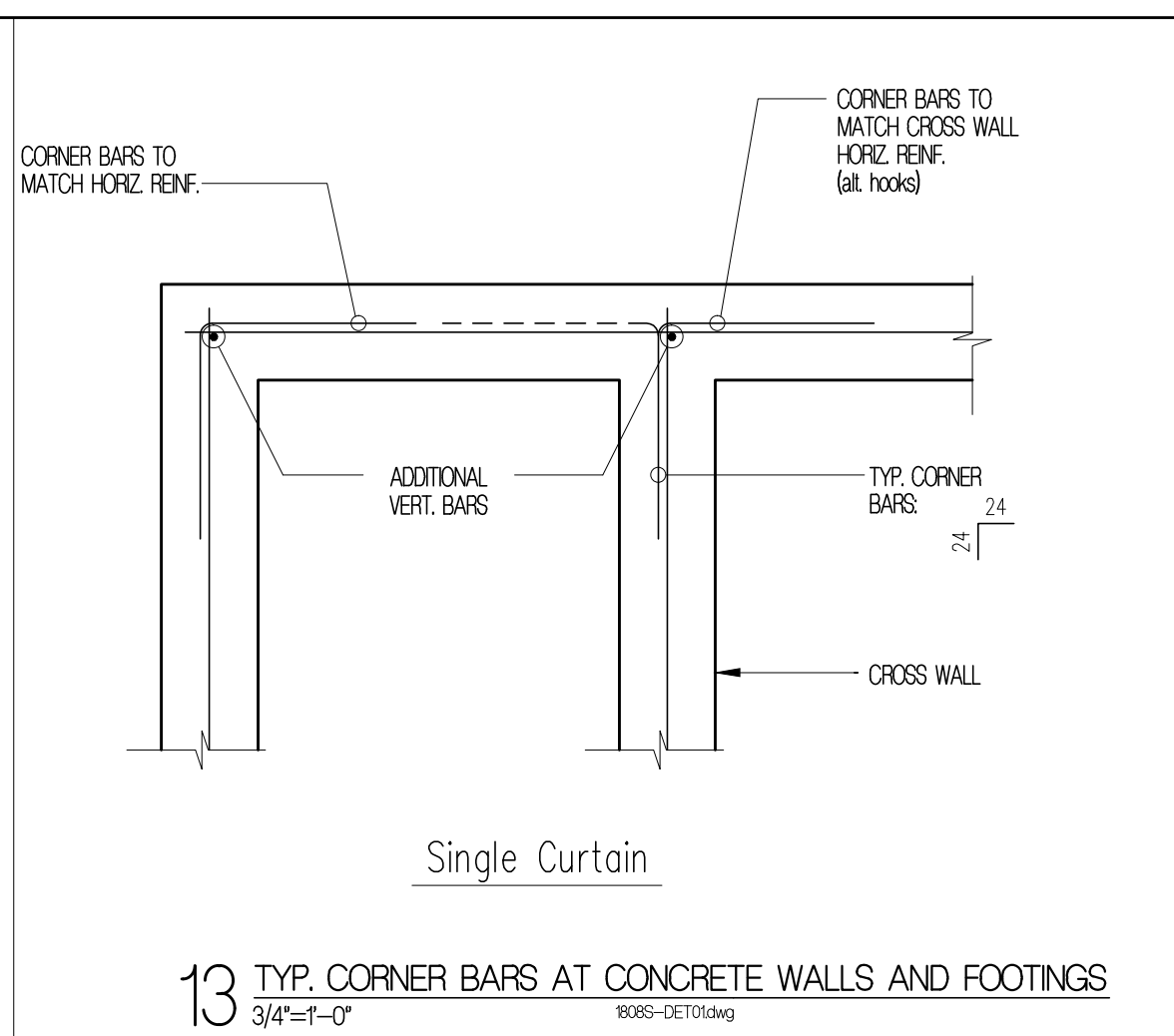
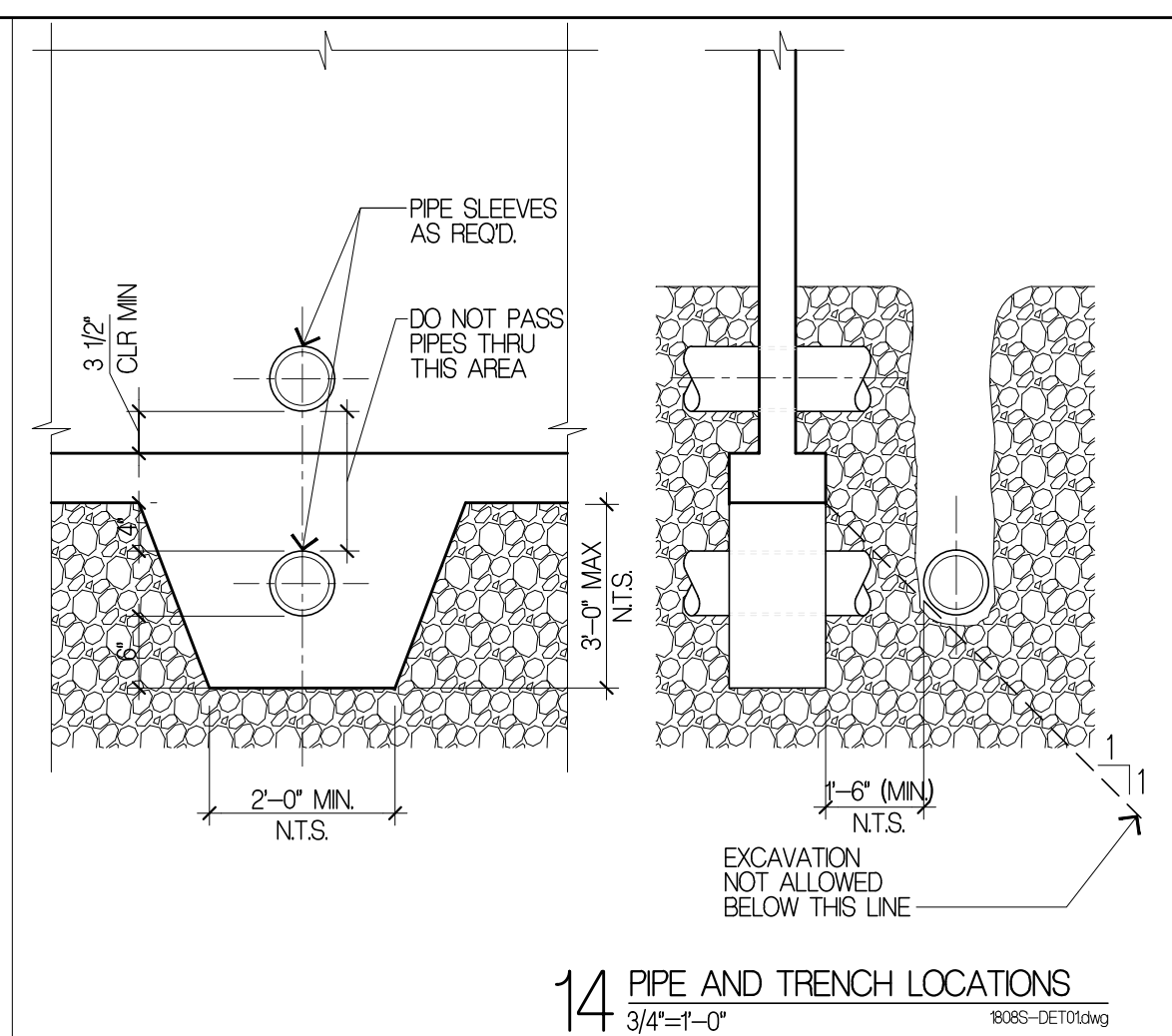
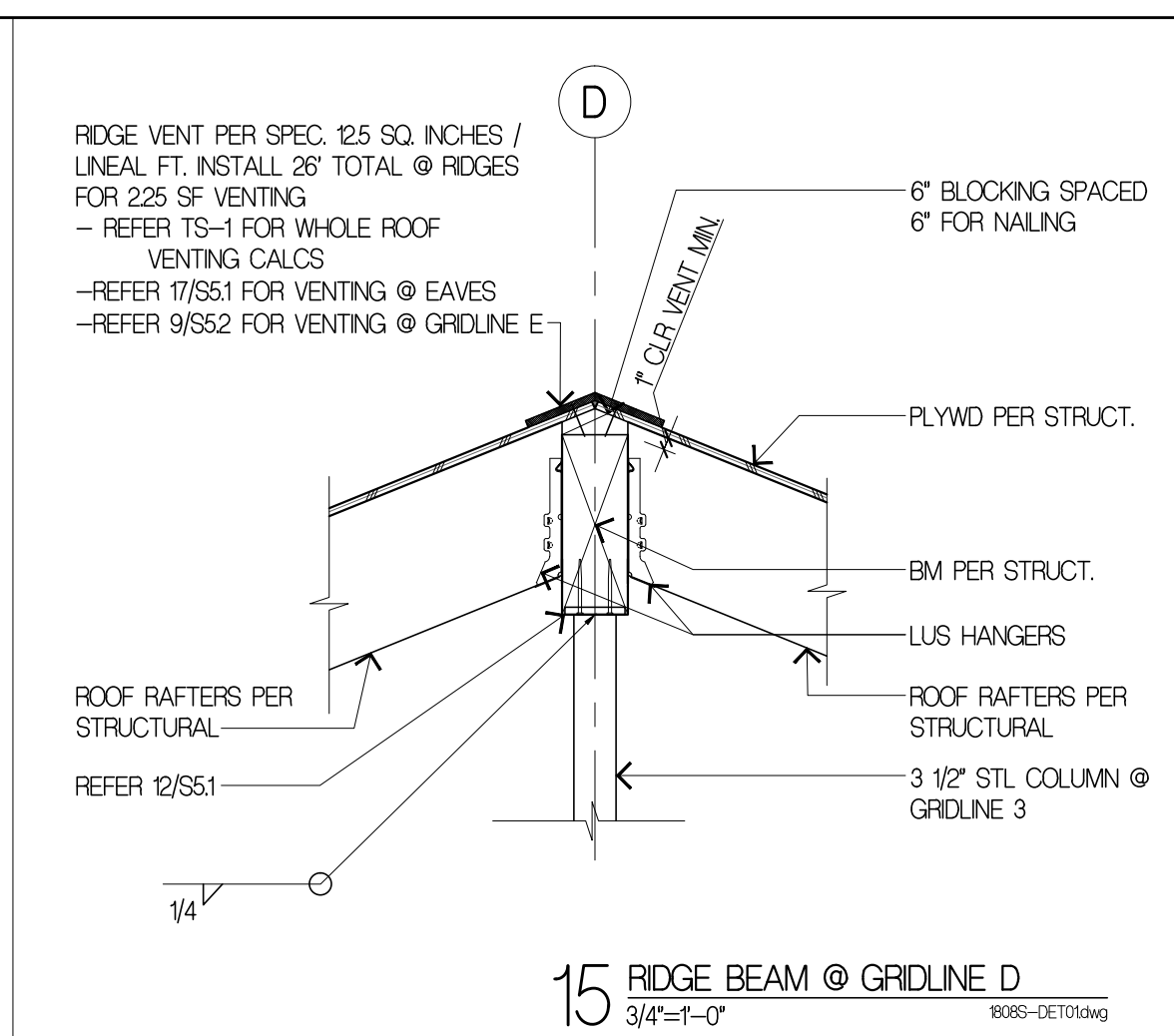
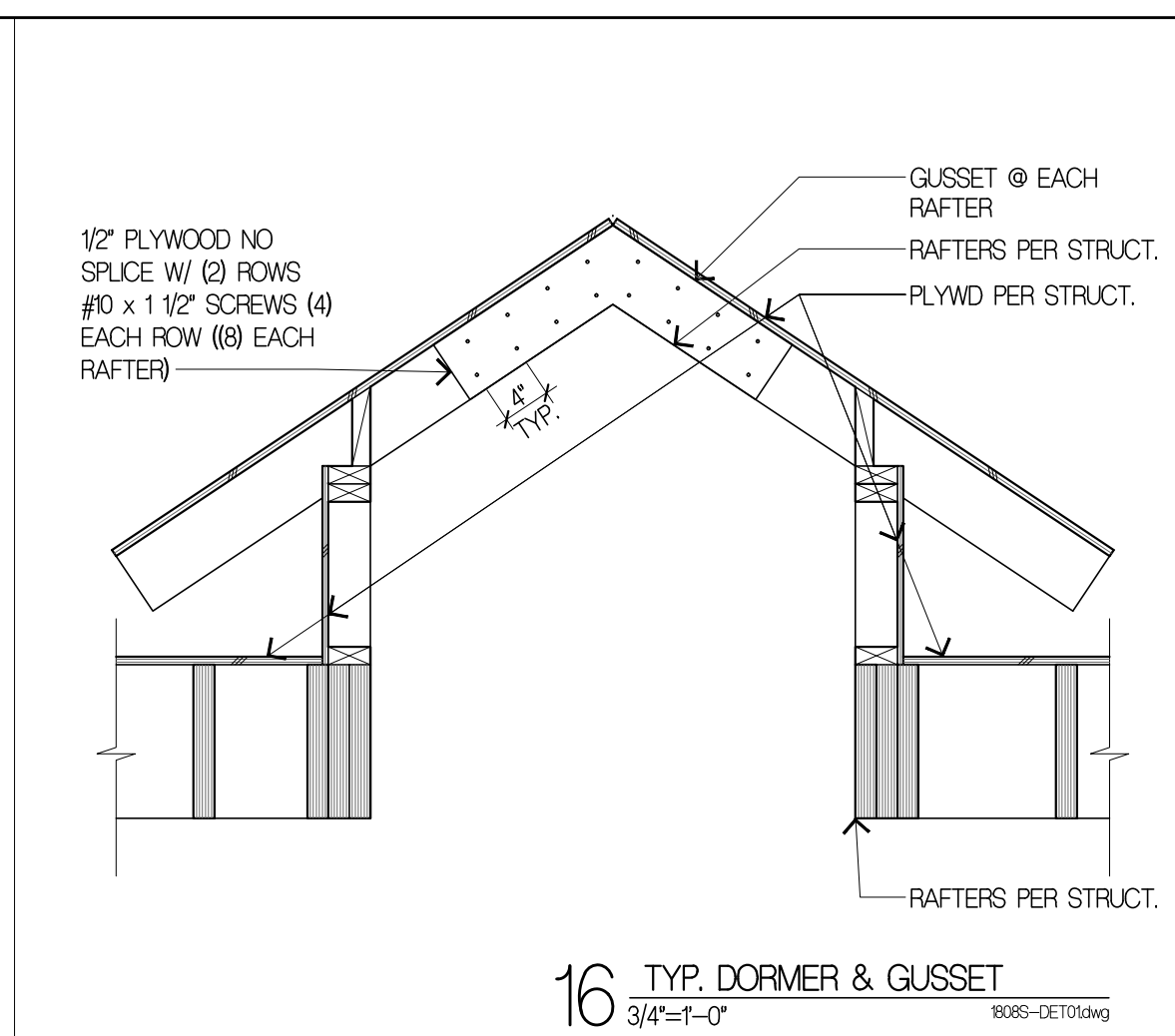
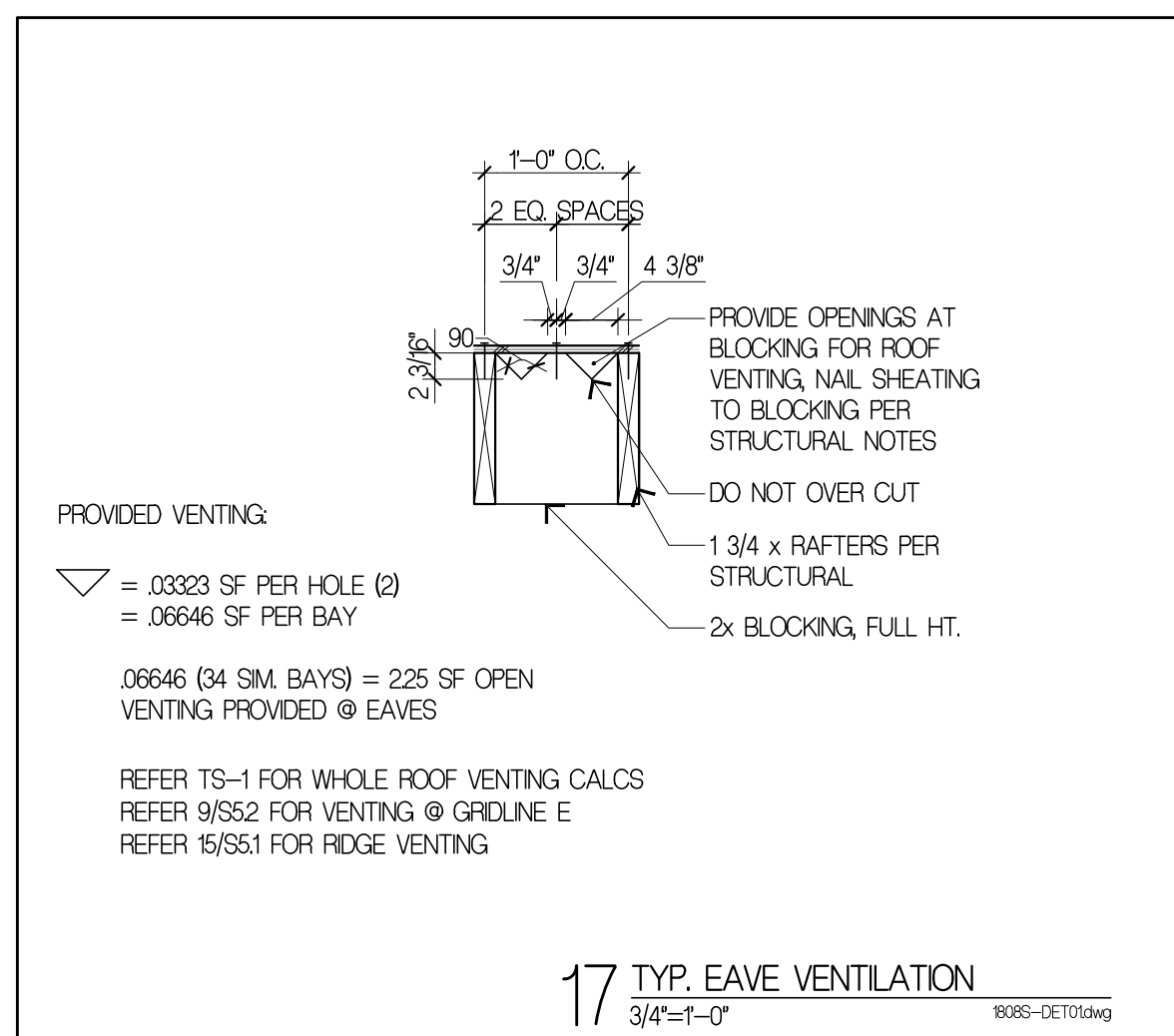
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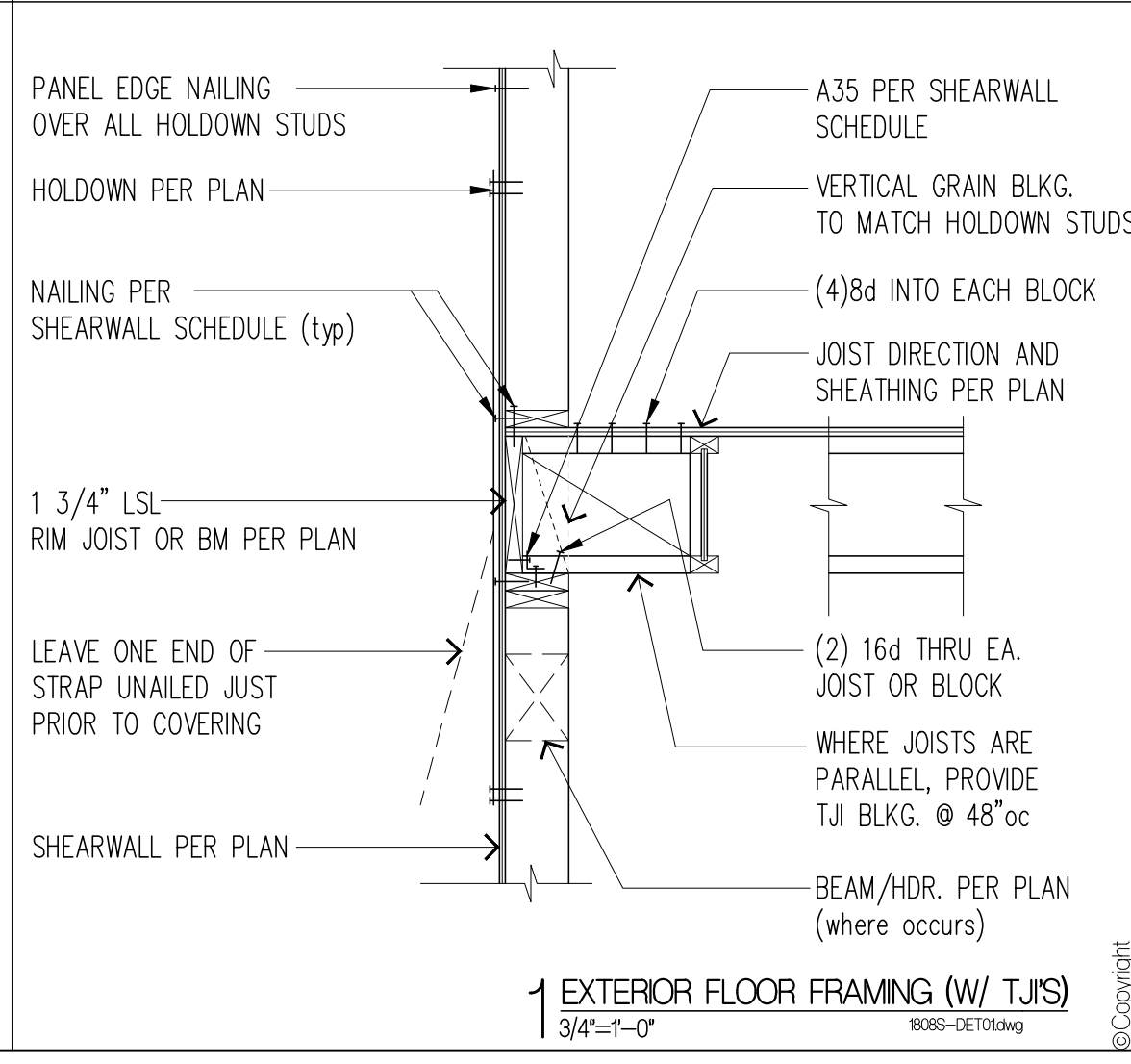
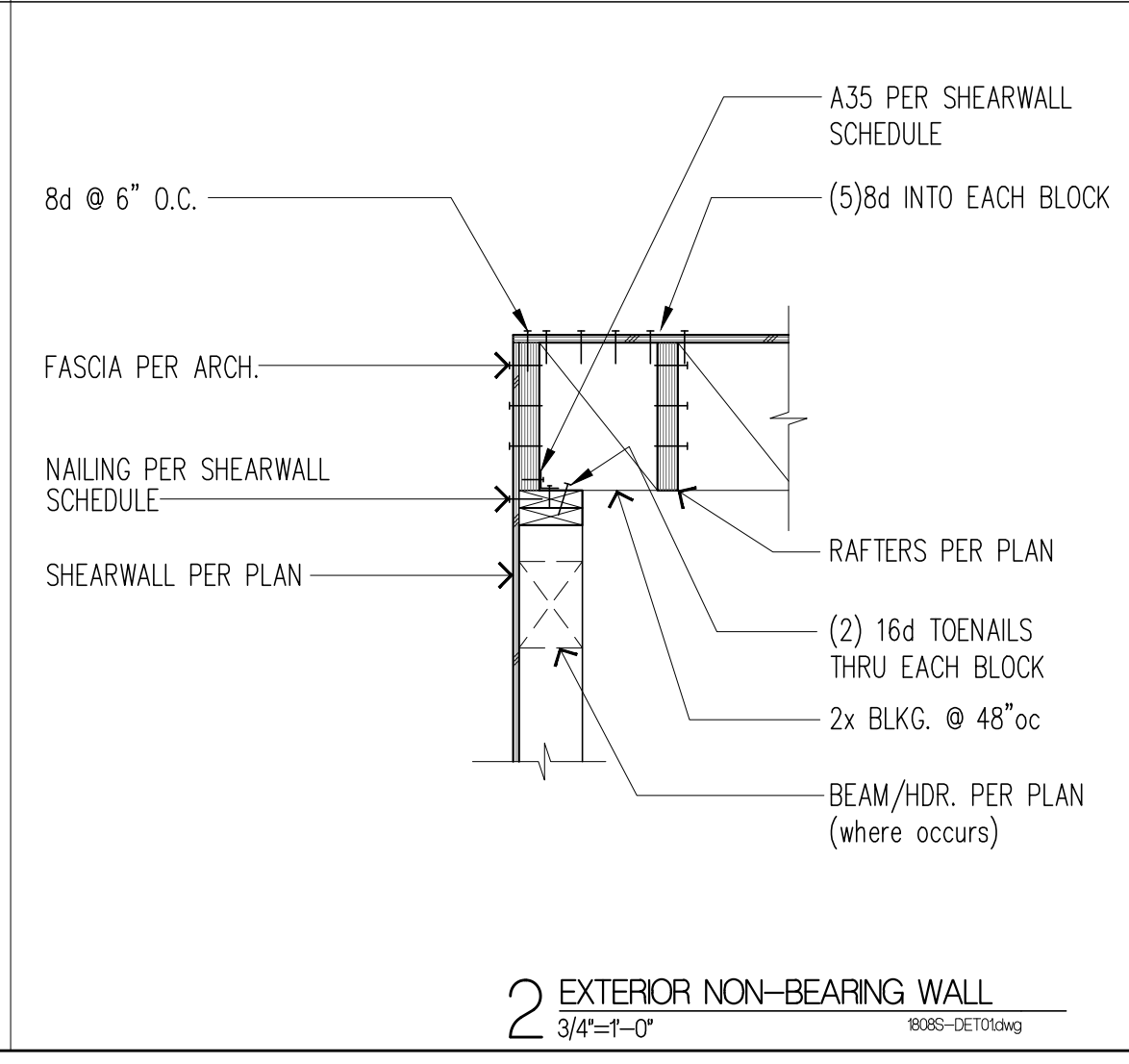
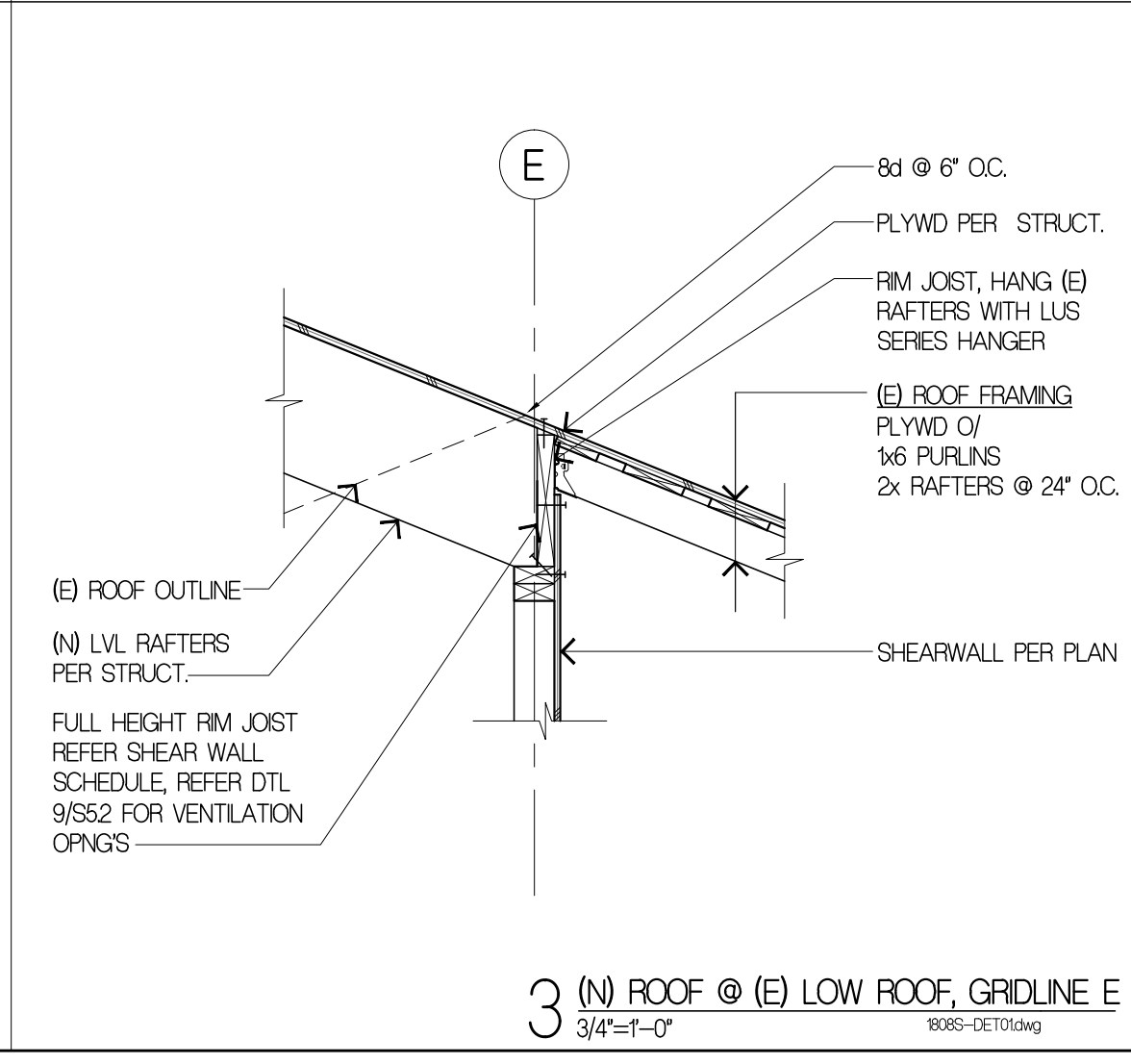
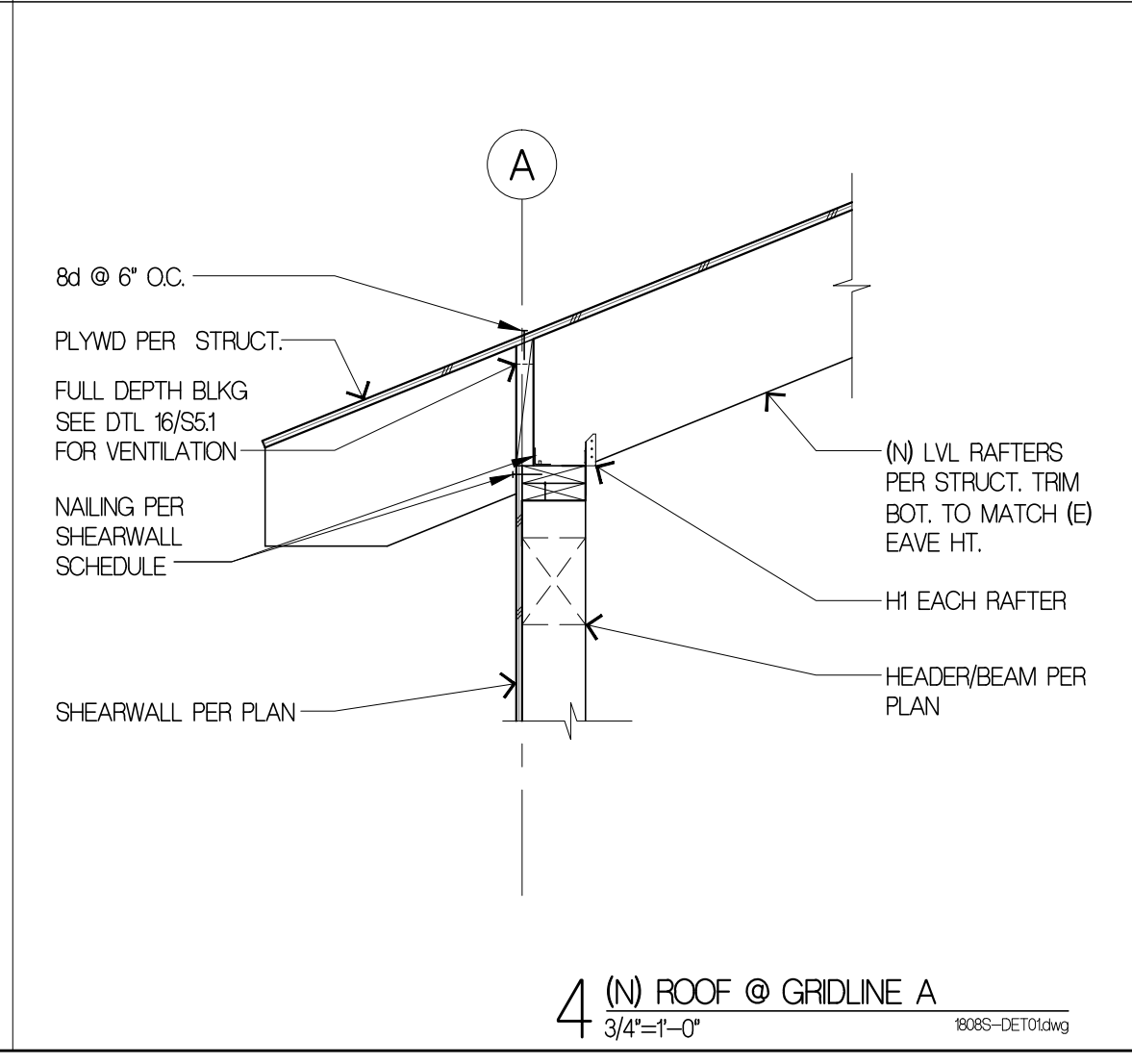
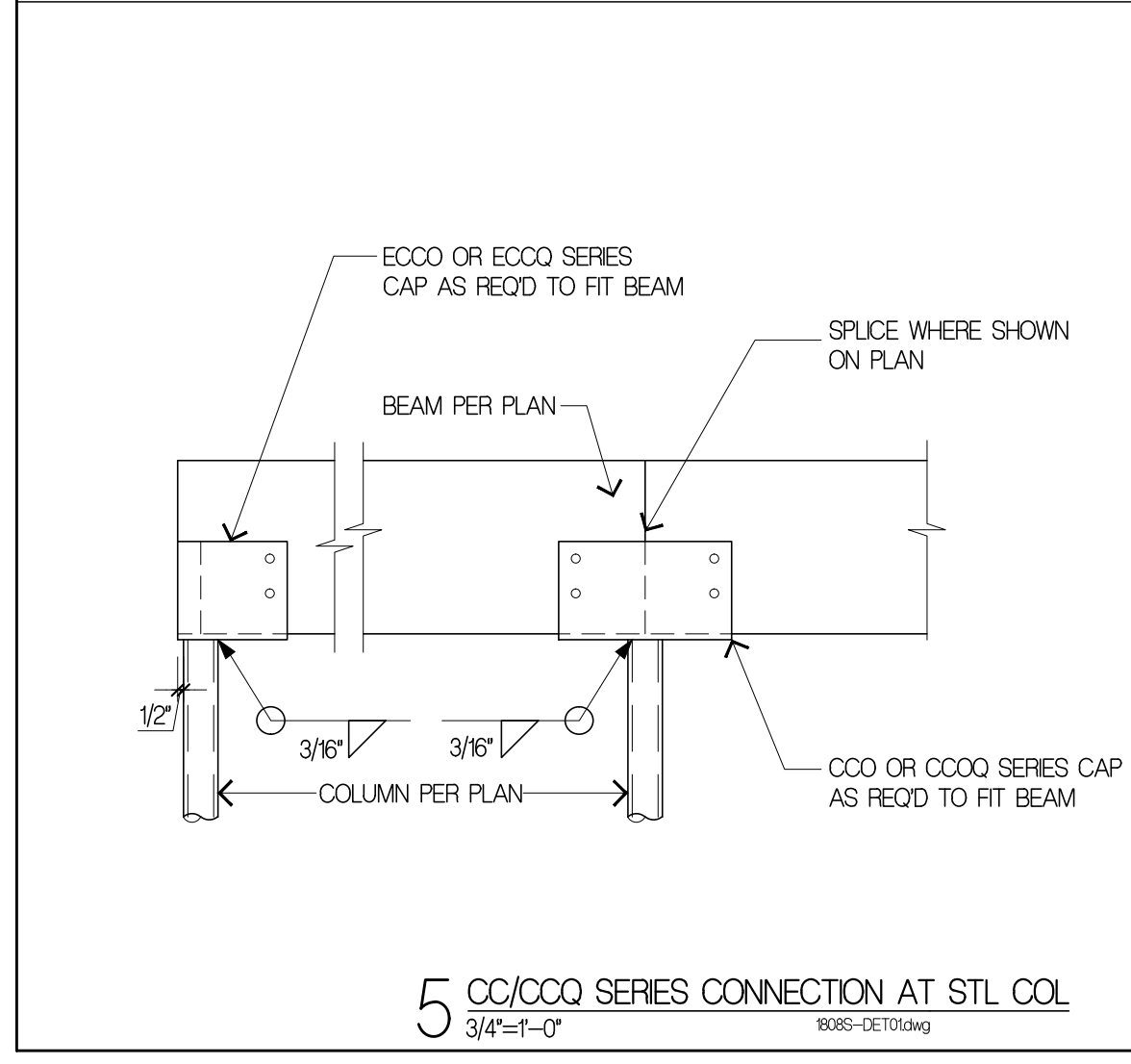
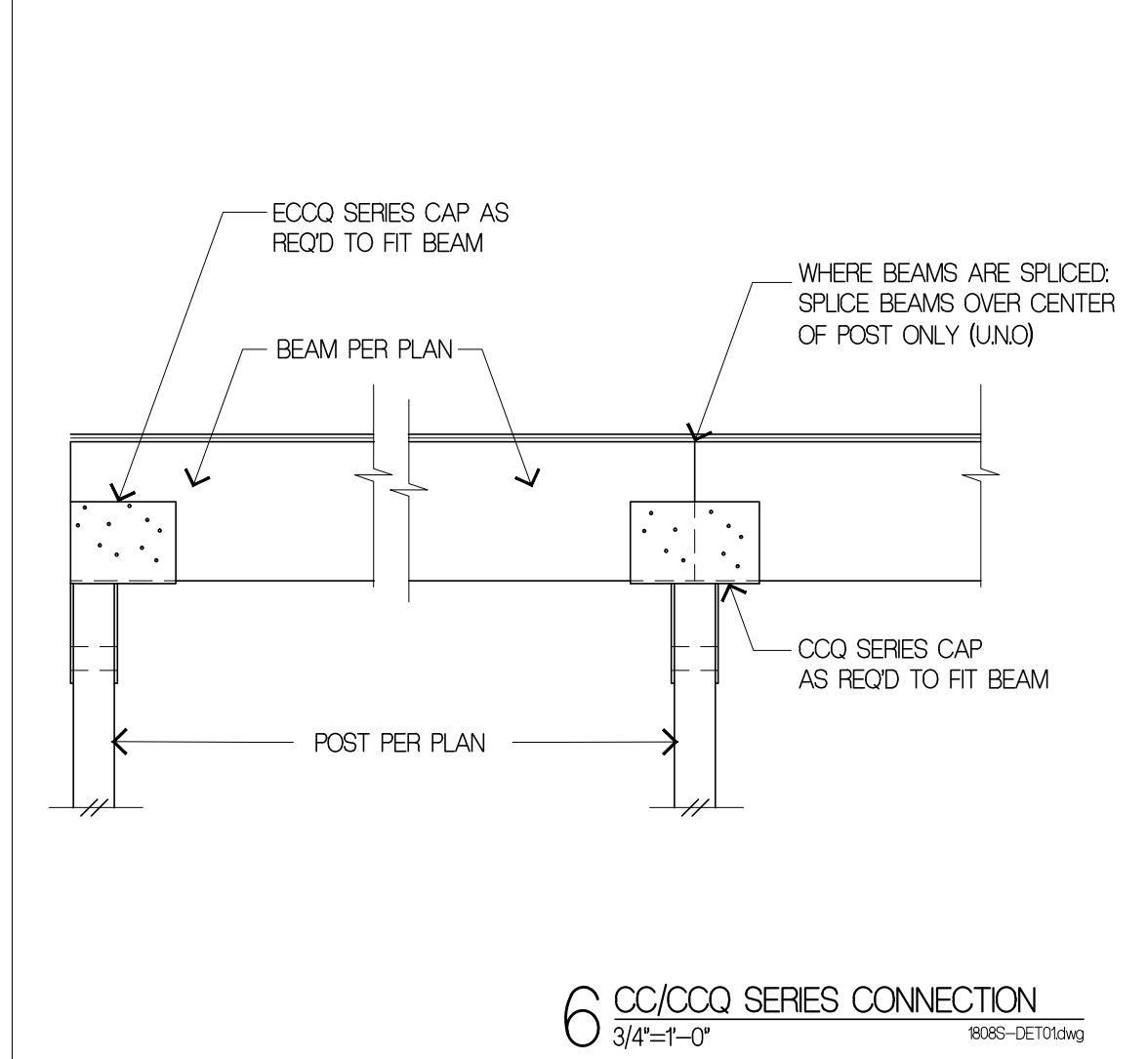
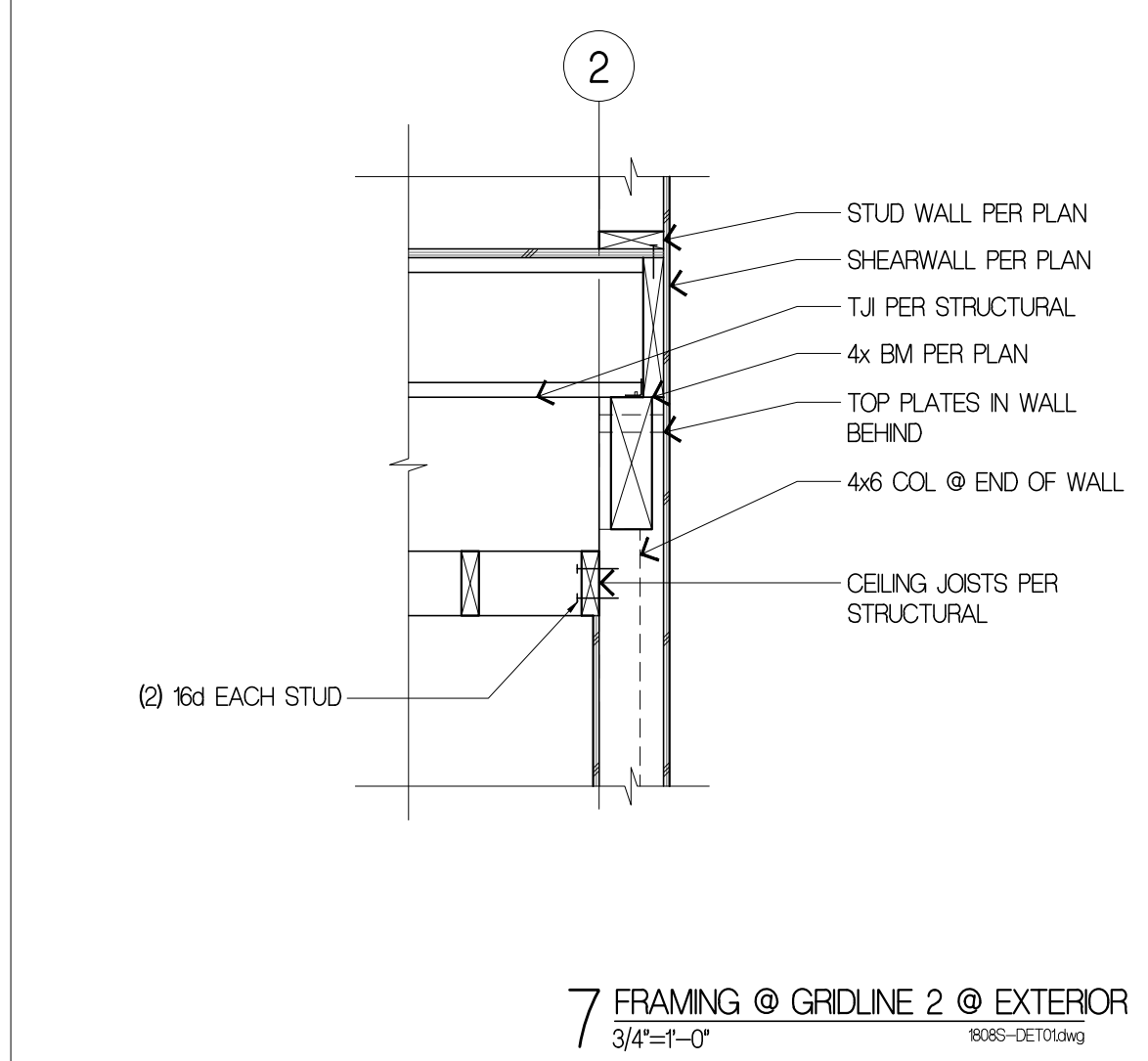
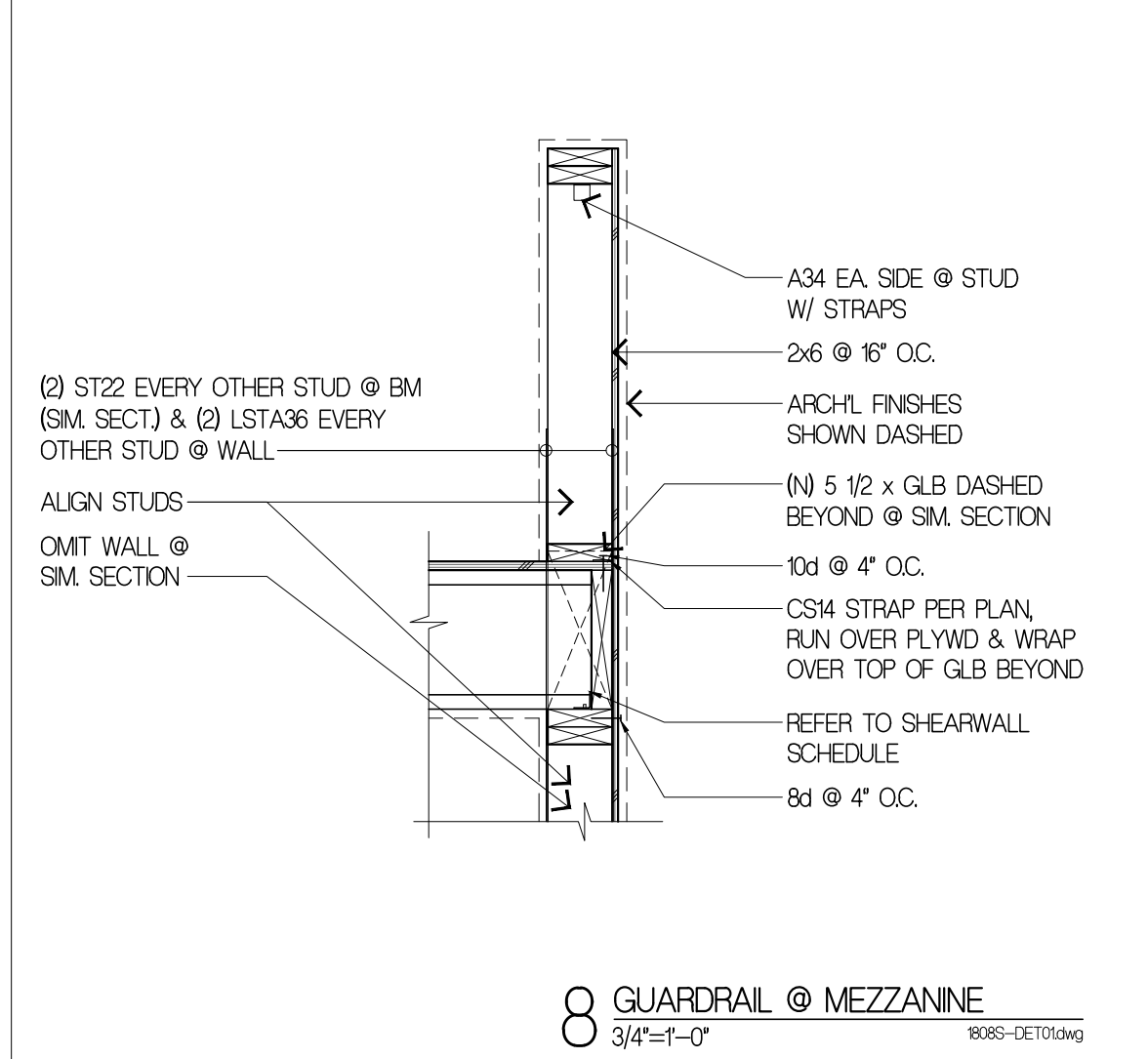
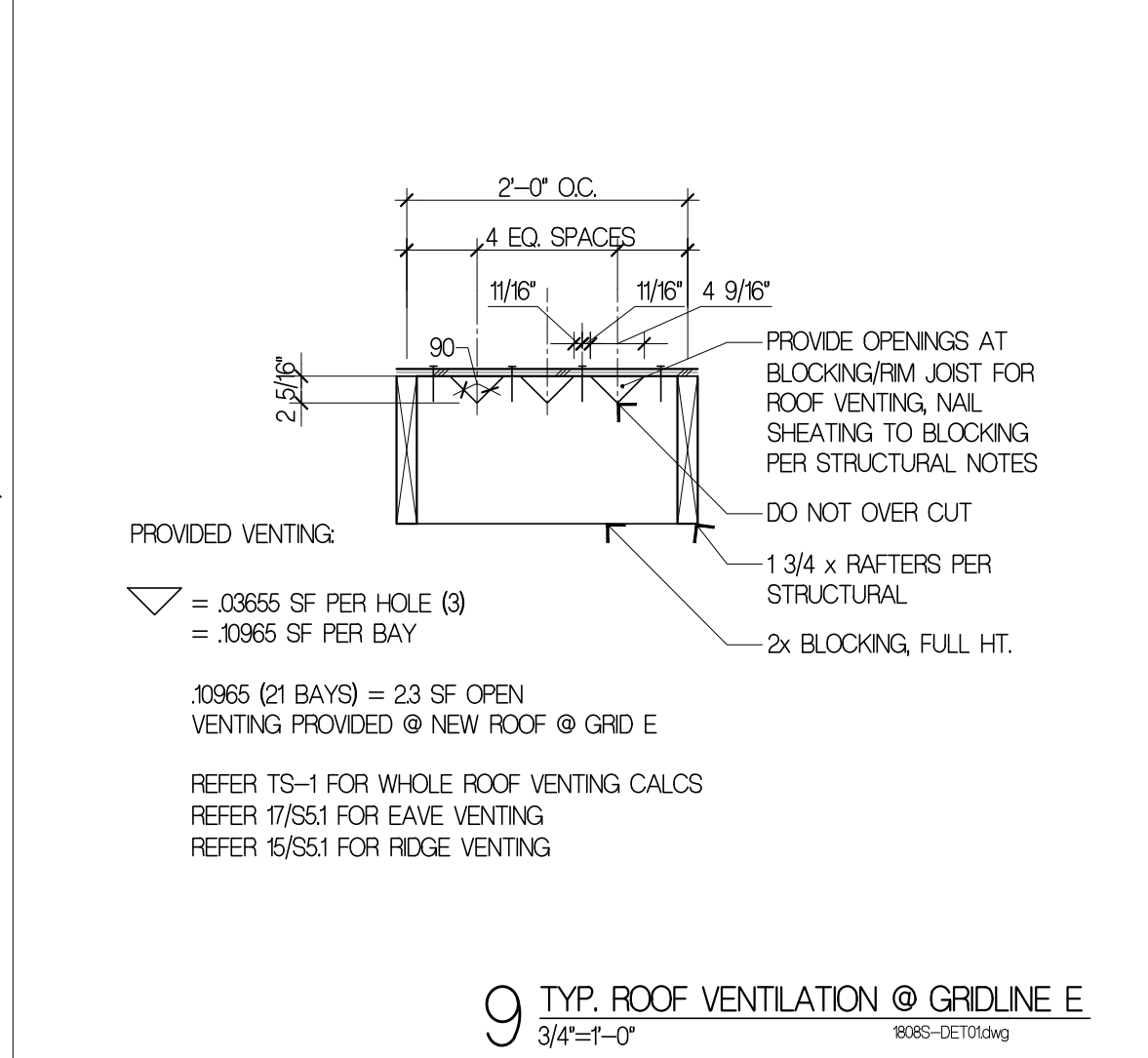
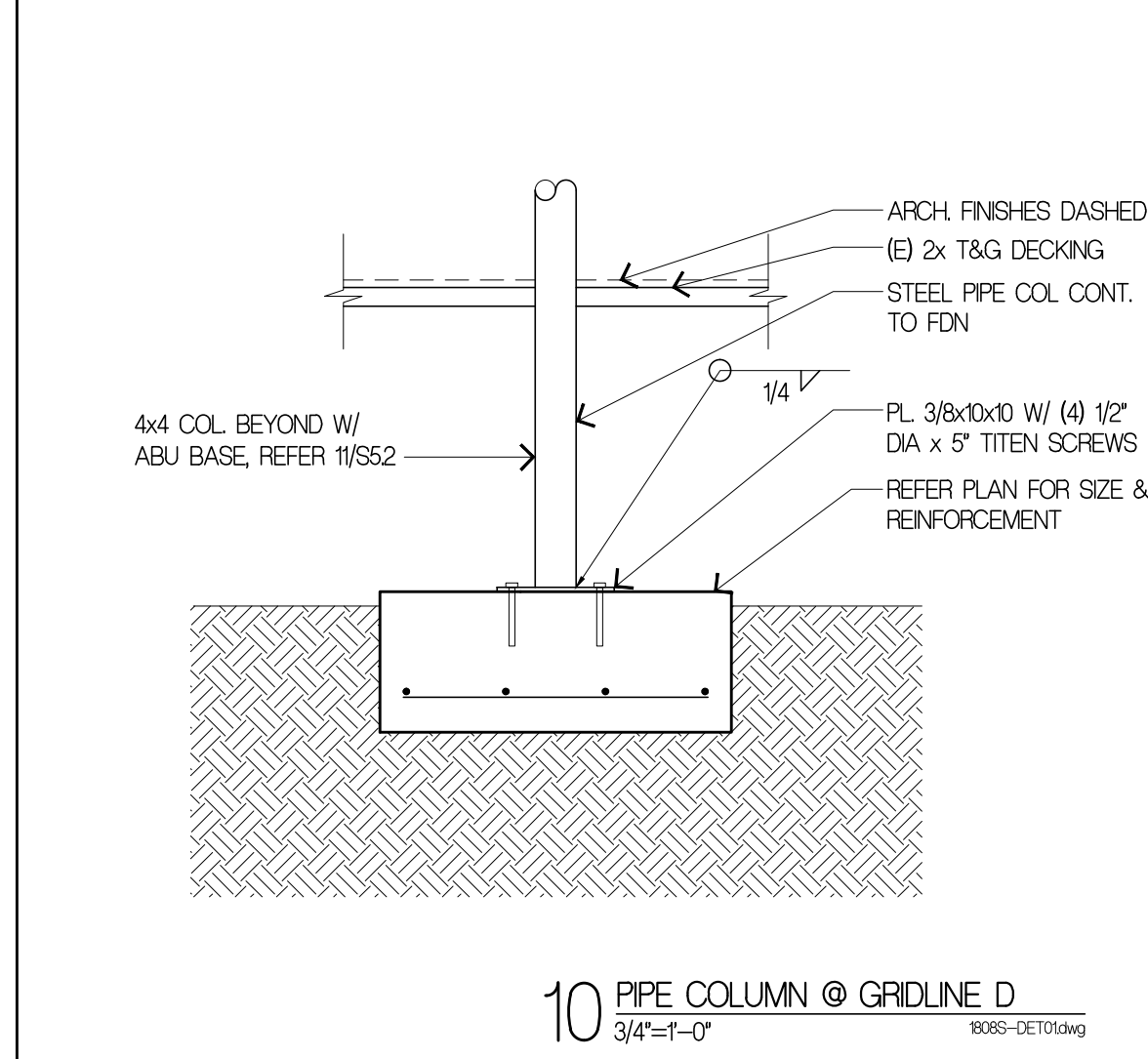
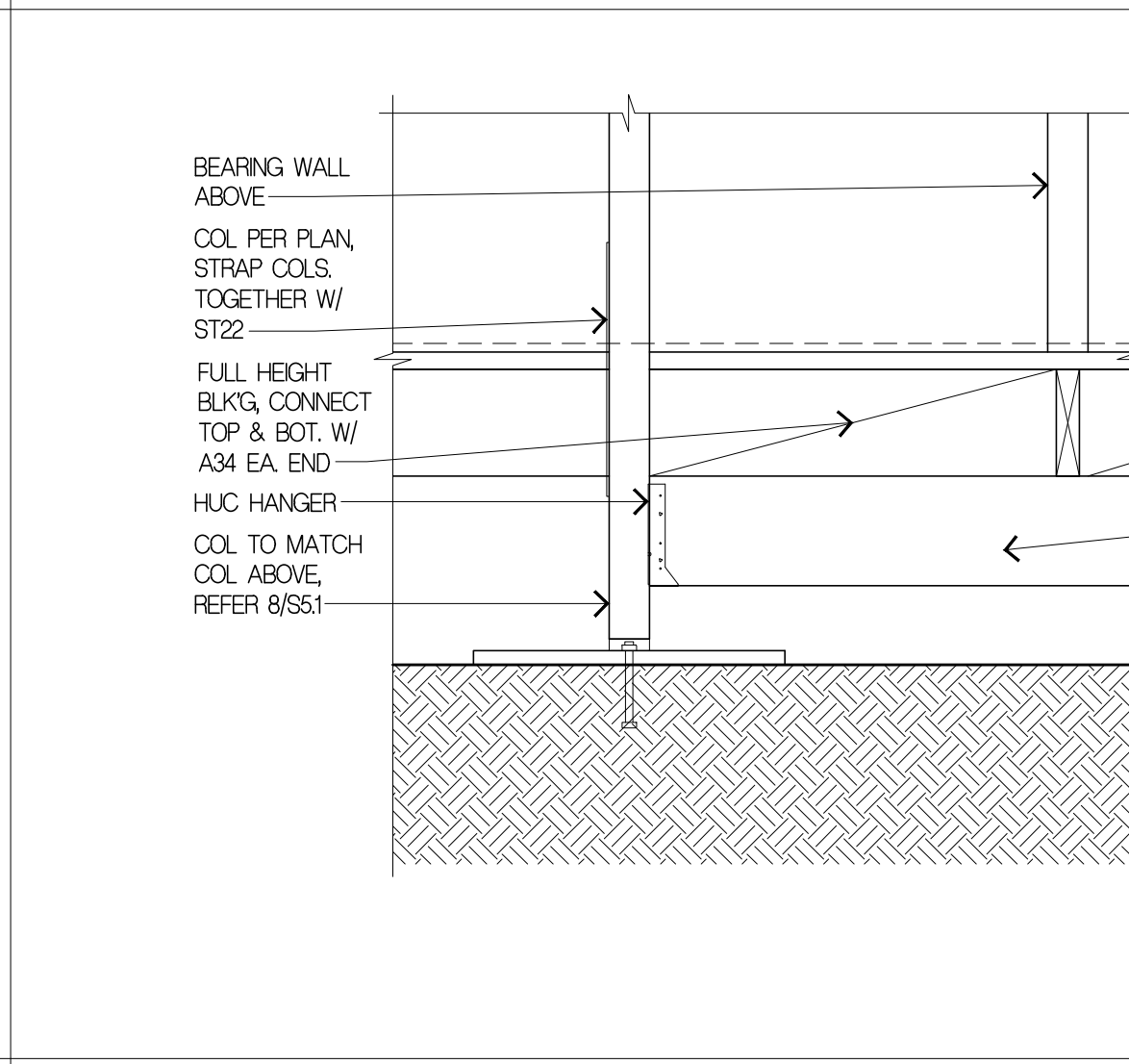
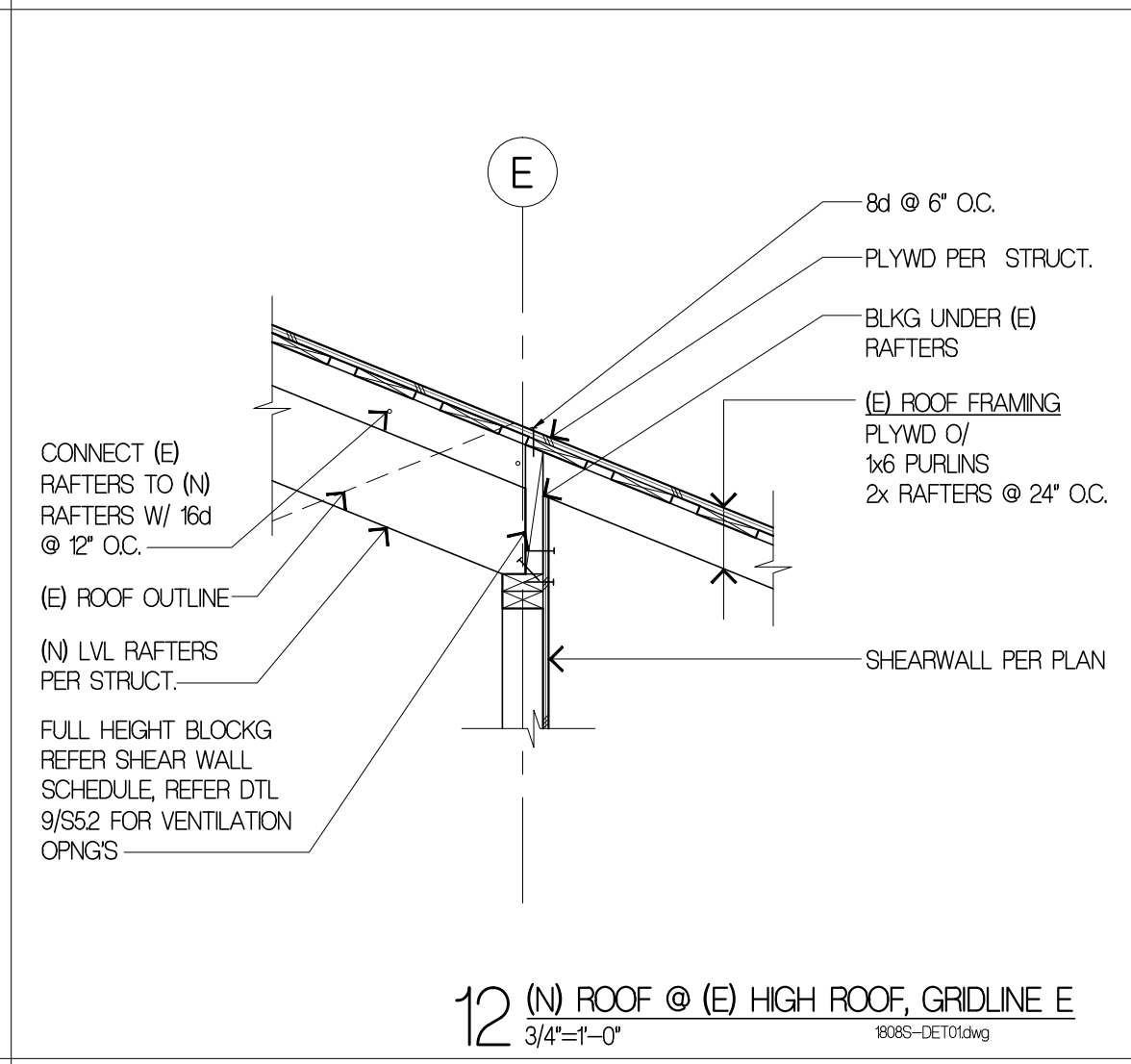
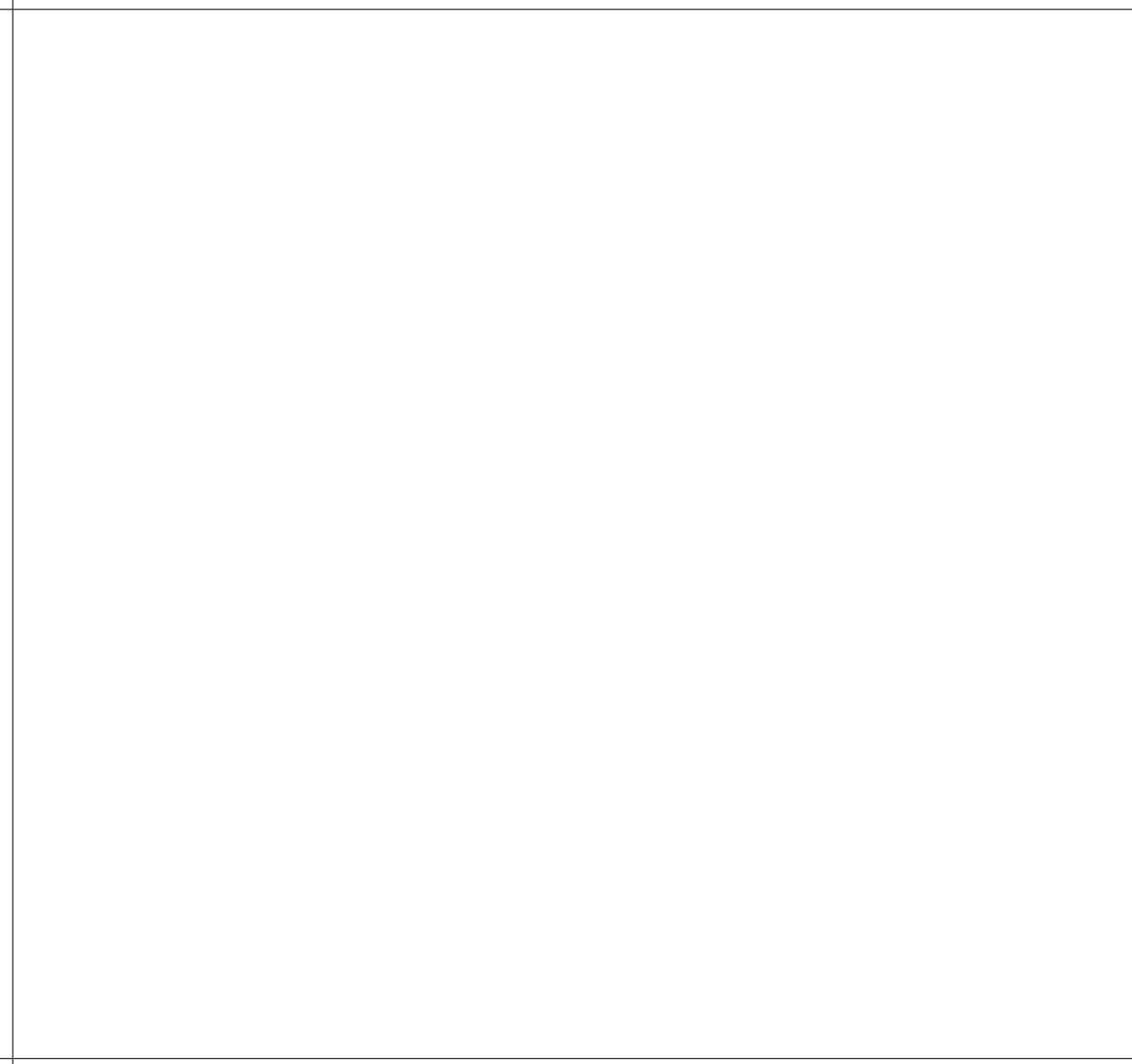
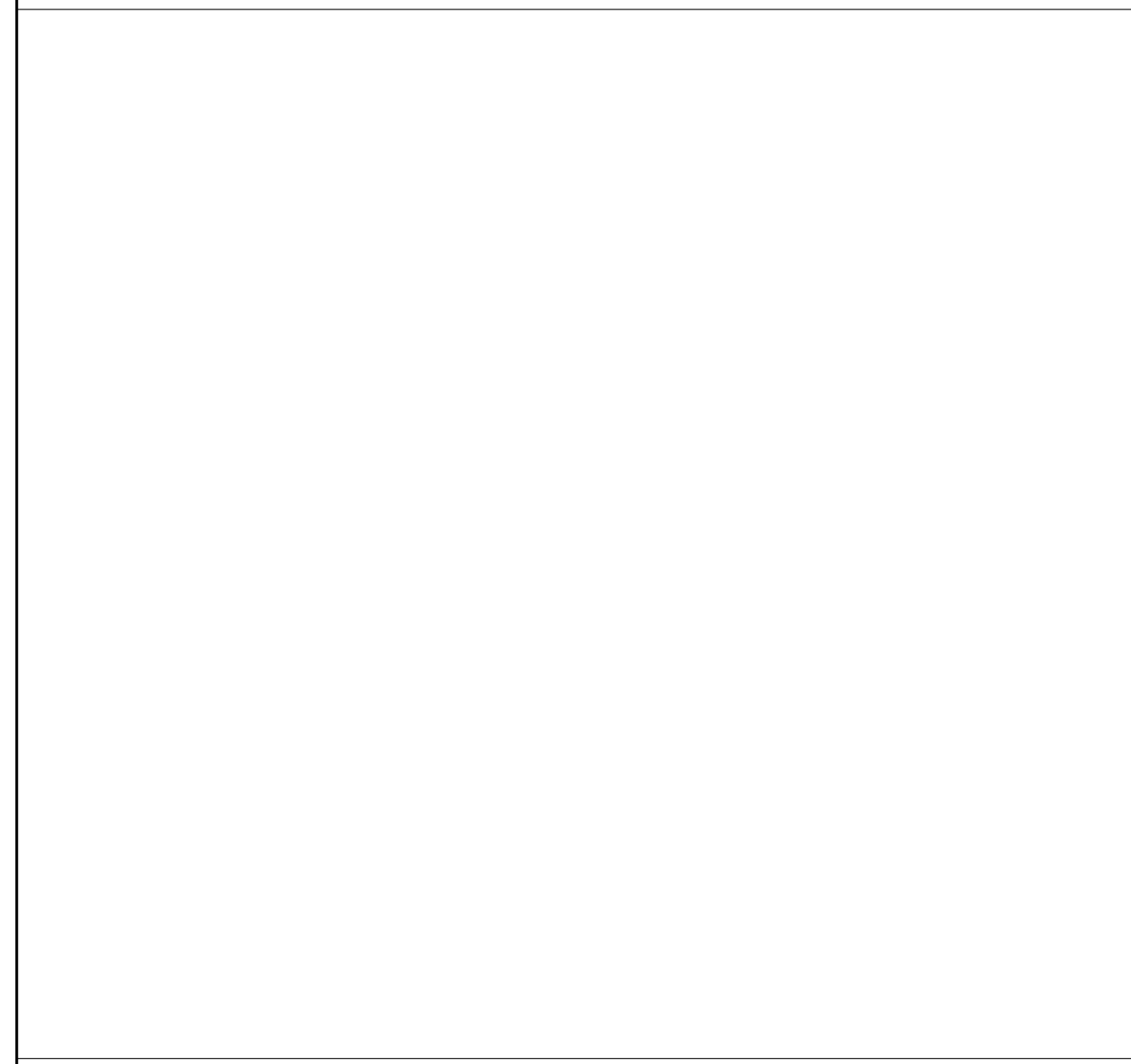
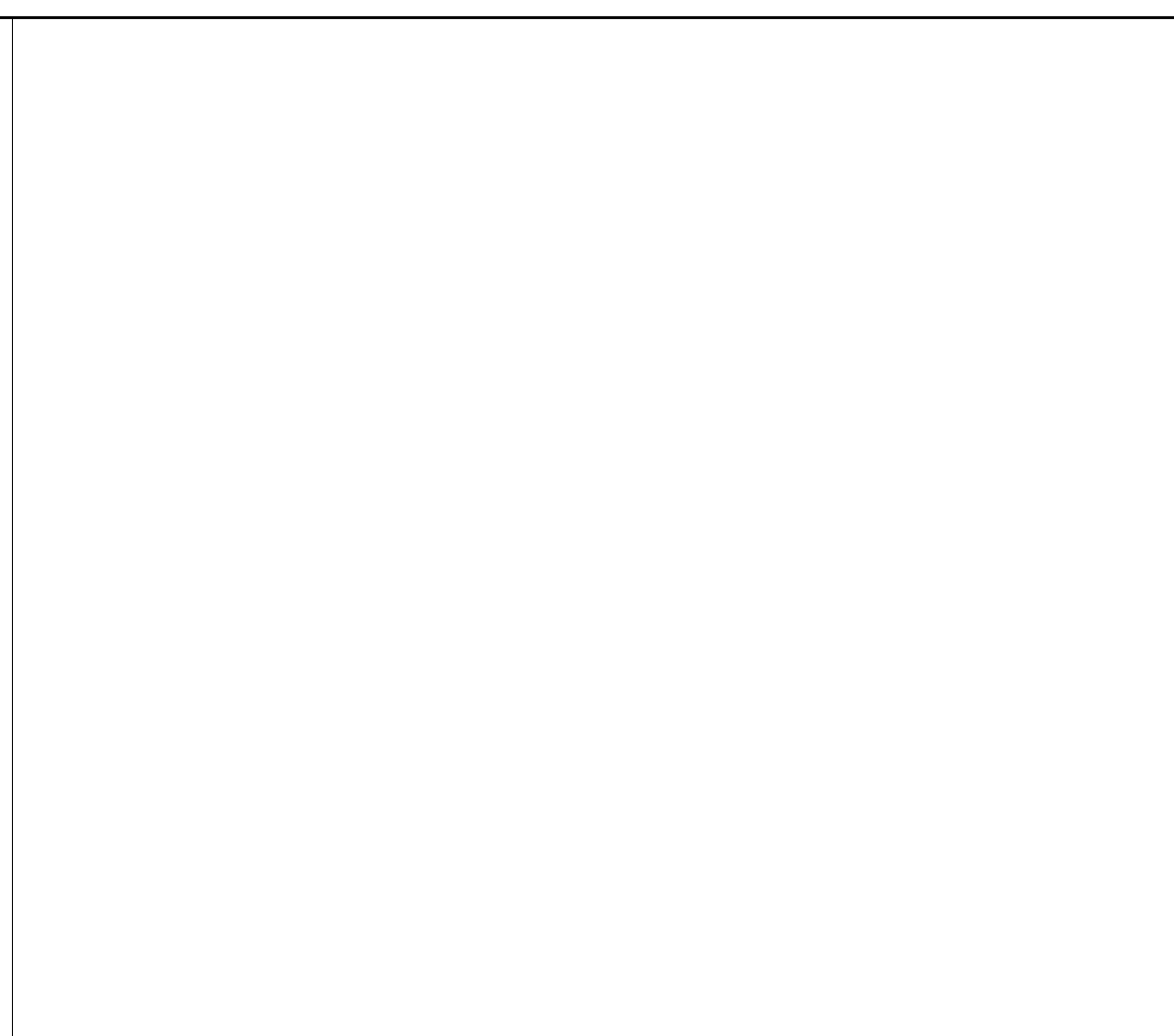
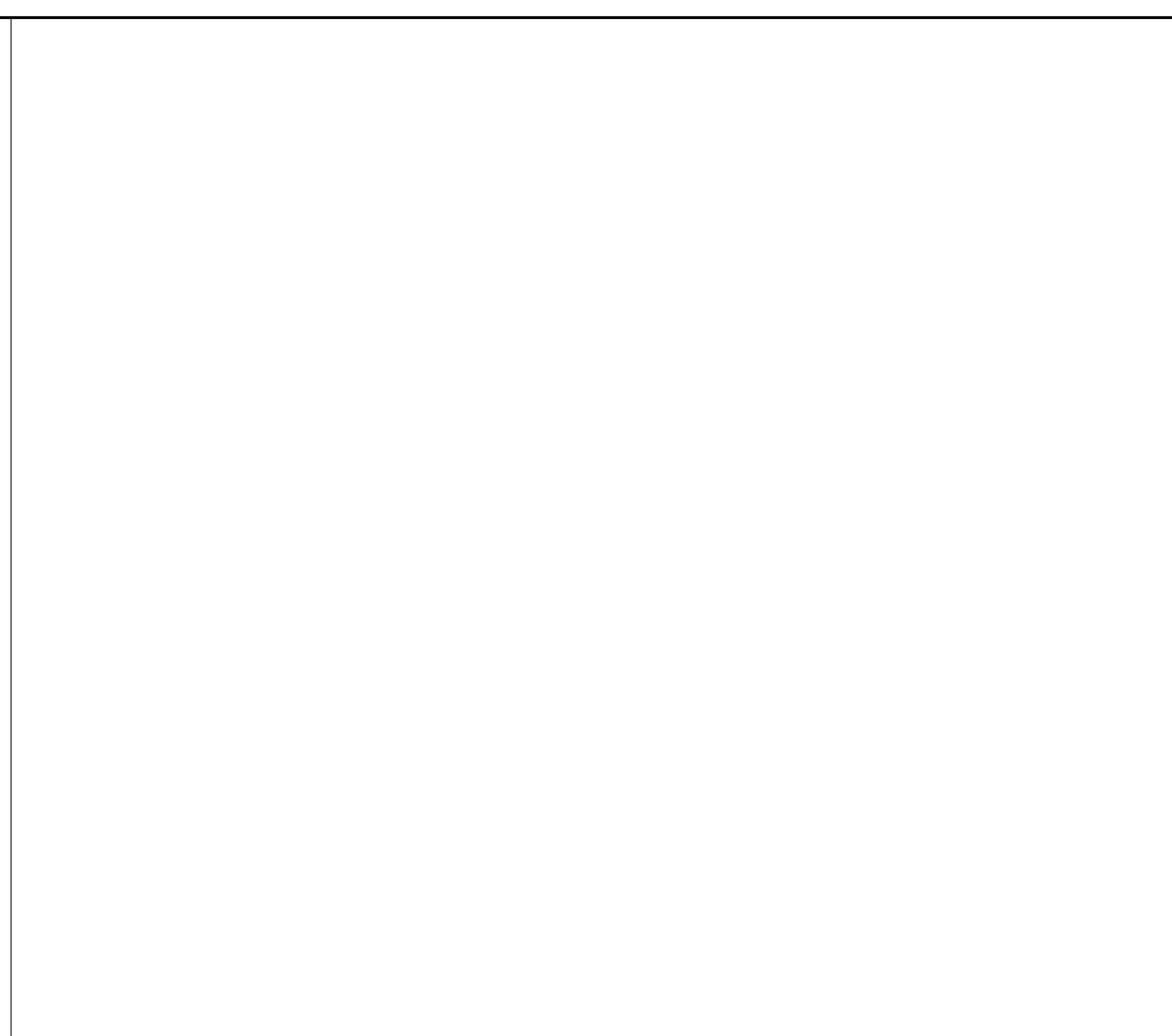
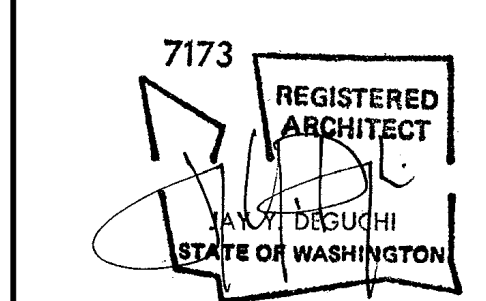
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