

15/19/2022 12:26:42 PM C:\Users\JonathanBallasteros\Andresen Architecture Inc\AAI - Access\Projects 4 - Projects\2020-2029\2021\21-4372 Russo's Lot 55\SEK - John Russo.rvt



Front Elevation

Loading Conditions

Table with 2 columns: Component and Load Value. Includes roof dead load (4.5 PSF), live load (20.0 PSF), interior walls, and exterior walls.

CHECK UPLIFT AT OVERHANG (ASCE 7-16 FIG. 6-2) Edr = (24.0 PSF)(2' OVERHANG) / 2 = 24.0 PSF

CHECK GUARDRAIL CONNECTION G = 0.49 (DF) D = 0.265 (ROOT DIA.) L = 2.5' (PEN) (1.800)(0.49)(0.265)(2.5) = 570 # PER SCREW

CHECK SNOW LOAD (ASCE 7-16 FIG. 7-2-1) Pg = 30 + 1.6 (EL - H) / 100 = 30 + 1.6 (1,235 - 1,000) / 100 = 33.76 PSF

CHECK REINTRANT CORNERS AT GRIDLINES D & 2 (ASCE 7-16 SEC. 12.10.1) Fm = Diaphragm design force at each level

CHECK REINTRANT CORNERS AT GRIDLINES D & 2 AT ROOF LEVEL Fm = (Fp)(wn) / wn = (7,241 #)(3,362 #) / 29,750 # = 818 #

CHECK REINTRANT CORNERS AT GRIDLINES D & 2 AT SECOND FLOOR LEVEL Fm = (Fp)(wn) / wn = (10,617 #)(3,362 #) / 57,510 # = 1,168 #

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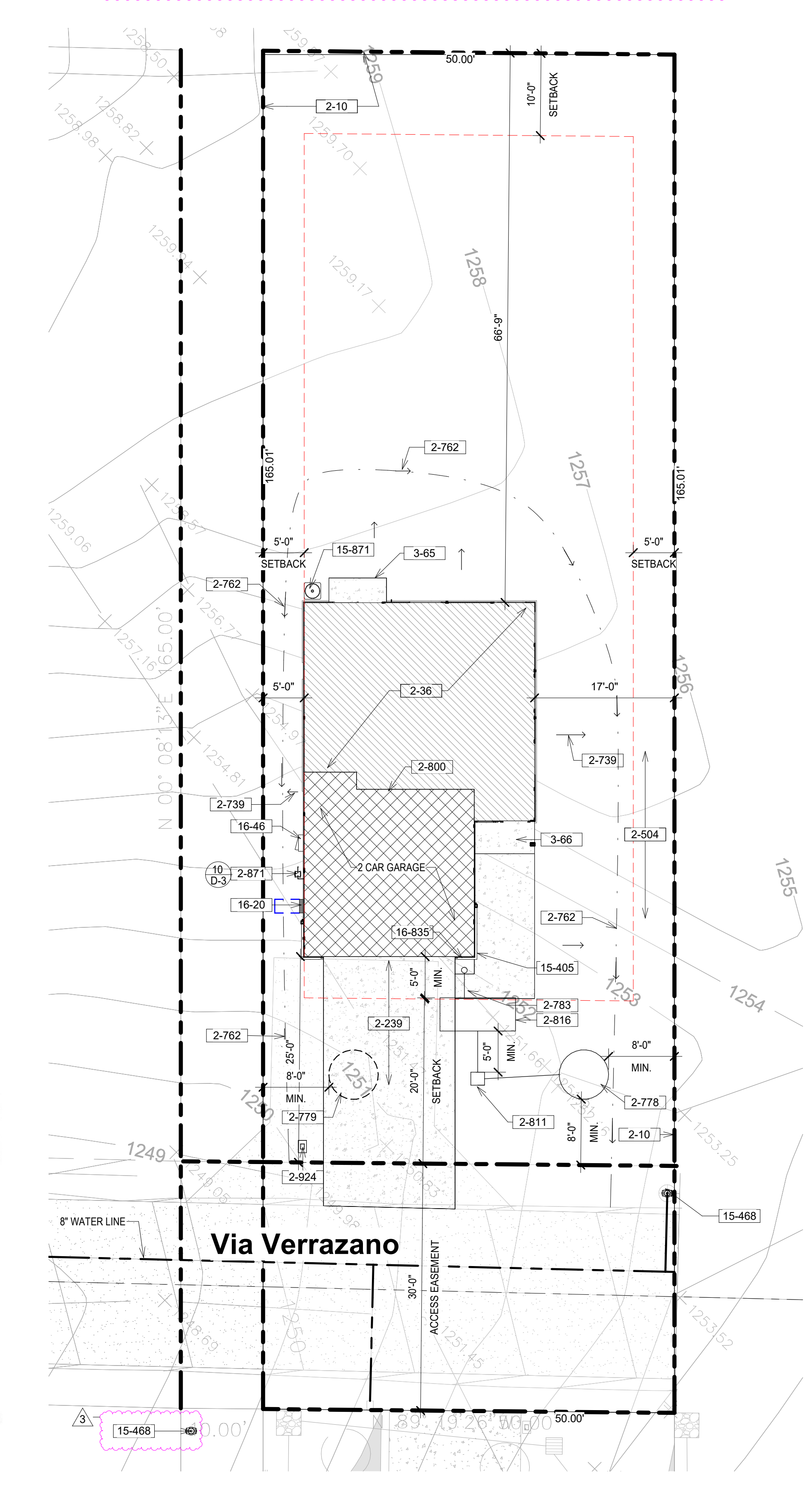
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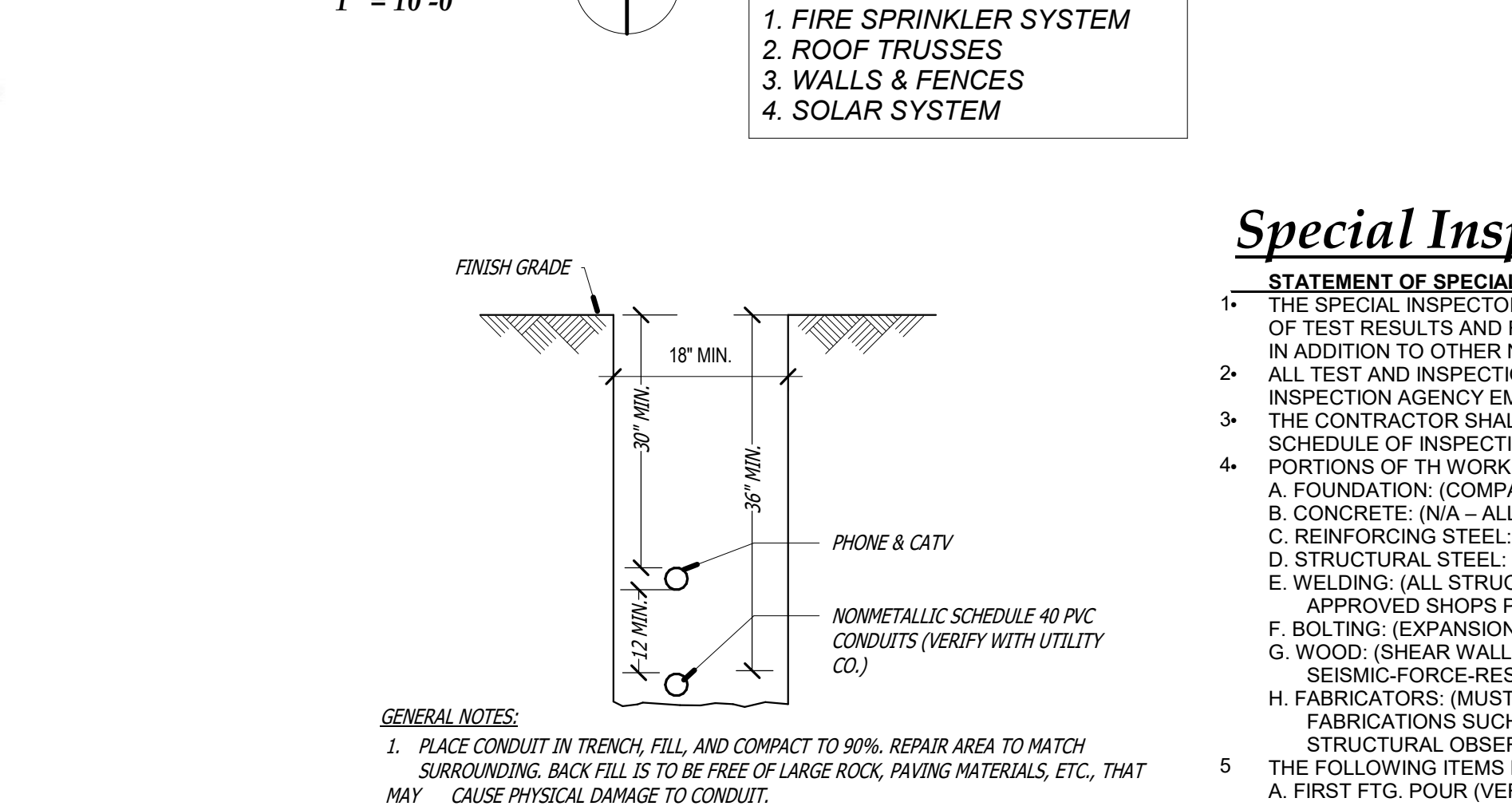
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Proposed Single Family Residence For: Parthenon Development, LLC 13024 Via Verrazano, Riverside, CA 92503

THIS RESIDENCE IS IN A HIGH FIRE HAZARD SEVERITY ZONE OF RIVERSIDE COUNTY



Site Plan 1" = 10'-0"



Conduit Burial in Trench

GENERAL NOTES: 1. PLACE CONDUIT IN TRENCH, FILL AND COMPACT TO 90% REPAIR AREA TO MATCH SURROUNDING BACK FILL TO BE FREE OF LARGE ROCK, PAINTING MATERIALS, ETC., THAT MAY CAUSE PHYSICAL DAMAGE TO CONDUIT.

Plan Notes

- 2-10 PROPERTY LINE
2-36 PROPOSED TWO-STORY SINGLE FAMILY RESIDENCE
2-239 NEW 3-1/2" THICK CONCRETE DRIVEWAY AND WALK (2,500 PSI MIX) ON NATIVE SOIL
2-504 NEW LANDSCAPING THIS AREA (SEE LANDSCAPING PLAN)
2-739 DRAIN 5% MIN. FOR FIRST 10'-0" AWAY FROM BUILDING AND THEN 2% MIN. AFTERWARDS
2-762 PROVIDE DRAINAGE SWALE AS INDICATED (1% MINIMUM)
2-778 6'-0" DIAMETER x 20'-0" DEEP SEEPAGE PIT PER COUNTY STANDARDS
2-779 100% SEEPAGE PIT EXPANSION (RESERVE AREA)
2-783 3" DIAMETER ABS HOUSE SEWER WITH 1/4" INCH PER FOOT FALL MINIMUM
2-800 INSTALL CLEAN-OUT TO GRADE PER COUNTY STANDARD DISTRIBUTION BOX
2-811 NEW 1,200 GALLON SEPTIC TANK
2-816 NEW GAS METER LOCATION (BY UTILITY). (VERIFY EXACT LOCATION WITH UTILITY COMPANY)
2-924 NEW 3" WATER METER WITH 3" PVC MAIN (VERIFY EXACT LOCATION WITH UTILITY)
3-65 3-1/2" THICK CONCRETE SLAB ON GRADE WITH MEDIUM BROOM FINISH, SLOPE 1/8" PER FOOT MINIMUM AWAY FROM BUILDING. PROVIDE A LANDING AT ALL DOORS A MINIMUM OF 2' BEYOND EACH SIDE OF DOOR AND A MINIMUM OF 3'-0" OUT FROM FACE OF DOOR.
3-66 3-1/2" THICK CONCRETE SLAB ON GRADE WITH MEDIUM BROOM FINISH, SLOPE 1/8" PER FOOT MINIMUM AWAY FROM BUILDING.
15-405 HOSE BIB AND MAIN SHUT-OFF VALVE WITH PRESSURE REGULATOR VALVE AND ANTI-SIPHON VALVE (AN APPROVED PRESSURE REGULATING VALVE SHALL BE INSTALLED TO REDUCE THE WATER PRESSURE AT ANY FIXTURE TO 80 PSI OR LESS (CPC 805.2))
15-468 INSTALL NEW FIRE HYDRANT (6" x 4" x 12'). VERIFY EXACT LOCATION WITH FIRE AUTHORITY
15-871 CONDENSING UNIT. PROVIDE 3-1/2" THICK POLYETHYLENE PAD EXTENDED 3" MINIMUM ABOVE GROUND PER C.M.C.
16-20 200 AMP RECESSED MAIN PANEL (UNDERGROUND FEED WITH TWO #30 AWG & ONE #2 GROUND) (VERIFY EXACT LOCATION WITH UTILITY COMPANY) (PROVIDE GAS AND WATER BONDING TO SERVICE) PROVIDE 3'-0" DEEP BY 2'-6" WIDE MINIMUM CLEARANCE IN FRONT OF PANEL PER ARTICLE 110-26a
16-46 SOLAR READY - FUTURE PANEL
16-835 ILLUMINATED ADDRESS LIGHT AT +84" ABOVE FLOOR LINE (ION) PER CITY STANDARD WITH 4" HIGH MINIMUM HEIGHT NUMBERS ON CONTRASTING BACKGROUND AND ILLUMINATED AT ALL HOURS OF DARKNESS. WITH A MINIMUM STROKE WIDTH OF 1/2" INCH. THE TYPE, LOCATION AND SIZE OF BUILDING ADDRESS SHALL BE CLEARLY VISIBLE AND LEGIBLE FROM THE ADJACENT PUBLIC WAY OR STREET.

Building Area Schedule

Table with 2 columns: Name and Area. Includes 1st Floor Living (651 SF), 2nd Floor Living (984 SF), Garage (432 SF), Total Building Footprint (2067 SF).

Area Analysis

Table with 2 columns: Category and Value. Includes Lot Area (6,738 SF), Building Footprint (2,067 SF), Lot Coverage (16.1%), Landscape Area (5,074 SF - 75.3%), 1st Floor Area (651 SF), 2nd Floor Area (984 SF), Total Floor Area (1,635 SF), Garage Area (432 SF).

Sequence of Drawings

Table with 2 columns: Description and Details. Includes Cover Sheet, Site Plan, Title 24 Compliance, 2019 CalGreen Code, Floor Plans, Foundation & Framing, Sections, Elevations & Roof Plan, Mechanical & Electrical Plans, Gas Isometrics, Details, Steel Strong Wall, etc.

Special Inspections

Table with 3 columns: Type of Construction, Test, and Inspection. Includes Epoxy Adhesive, Shear Walls w/ fasteners spaced 4" O/C or less.

Special Inspection List

- STATEMENT OF SPECIAL INSPECTIONS AND TESTING
1. THE SPECIAL INSPECTOR'S DUTIES ARE DESCRIBED IN CBC SECTION 1704 AND 1705. COPIES OF TEST RESULTS AND FINAL REPORTS SHALL BE DELIVERED TO THE ARCHITECT'S OFFICE IN ADDITION TO OTHER NORMAL DISTRIBUTIONS WITHIN ONE WEEK OF TEST COMPLETION.
2. ALL TEST AND INSPECTIONS SHALL BE PREPARED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY EMPLOYED BY THE OWNER, NOT THE CONTRACTOR PER CBC 1703. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TESTING AGENCY WITH A SCHEDULE OF INSPECTIONS AND 48 HOUR NOTICE.
3. PORTIONS OF THE WORK REQUIRING SPECIAL INSPECTION ARE AS FOLLOWS:
A. FOUNDATION (COMPACTED FILL, GRADING AND EXCAVATIONS)
B. CONCRETE (IN-A-ALL DESIGN BASED ON 2,500 PSI)
C. REINFORCING STEEL (PLACEMENT OF STEEL)
D. STRUCTURAL STEEL (NOT REQUIRED)
E. WELDING (ALL STRUCTURAL WELDING, INCLUDING WELDED STUDS, EXCEPT WELDING IN APPROVED SHOPS PER CBC 1701.7)
F. BOLTING (EXPANSION/ADHESIVE ANCHORS, AND ANCHOR BOLTS AT SHEAR WALLS)
G. WOOD (SHEAR WALL NAILING, BOLTING AND ANCHORING AND OTHER FASTENING TO SEISMIC-FORCE-RESISTING SYSTEM WHEN NAIL SPACING IS 4" ON CENTER OR CLOSER)
H. FABRICATORS (MUST SUBMIT CERTIFICATE OF COMPLIANCE FOR ALL OFF-SITE FABRICATIONS SUCH AS STRUCTURAL STEEL, GLU-LAMS, ENGINEERED LUMBER, ETC.)
I. STRUCTURAL OBSERVATION NOTES PER CBC SEC. 1702
THE FOLLOWING ITEMS REQUIRE STRUCTURAL OBSERVATION BY THE ARCHITECT
A. FIRST FTG. POUR (VERIFY REINFORCING PLACEMENT)
B. ROOF FRAMING (ROOF FRAMING AND NAILING SPACING)



Project Information

OWNER: Parthenon Development, LLC
PROJECT ADDRESS: 13024 VIA VERRAZANO RIVERSIDE, CA 92503
ARCHITECT: ANDRESEN ARCHITECTURE, INC. 17087 ORANGE WAY FONTANA, CA 92335 (909) 355-6688 doug.andresen@aasfirm.com
SOLAR: AC CONSTRUCTION 365 HALBERTA CIRCLE CALIBESCA, CA 92320 JENNIFER KEMME (909) 748-1300

Building Data

APN: 269-201-055
ZONING: R-1
OCCUPANCY: RS4U
CONSTRUCTION: V-8
FIRE SPRINKLERS: REQUIRED. 1. PROVIDE A FIRE DEPARTMENT NOTE INDICATING COMPLIANCE WITH THE FOLLOWING REQUIREMENT FOR NEW RESIDENTIAL CONSTRUCTION AN AUTOMATIC FIRE SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13D IS REQUIRED FOR THIS PROJECT. A MINIMUM THREE SETS OF DETAILED PLANS SHALL BE SUBMITTED BY A STATE LICENSED FIRE PROTECTION CONTRACTOR (C-16) TO THE RIVERSIDE FIRE DEPARTMENT FOR REVIEW, APPROVAL AND SEPARATE PERMIT ISSUANCE PRIOR TO INSTALLATION. 2. A MUNICIPAL WATER SUPPLY SYSTEM SHALL BE PROVIDED, CAPABLE OF PROVIDING THE REQUIRED FIRE FLOW FOR THE PROPOSED TYPE OF CONSTRUCTION. MINIMUM FIRE FLOW FOR THIS PROJECT SHALL BE 1,000 GPM (PUBLIC FIRE HYDRANTS)



NOTE: THE PROJECT IS LOCATED AT FIRE HAZARD SEVERITY ZONE

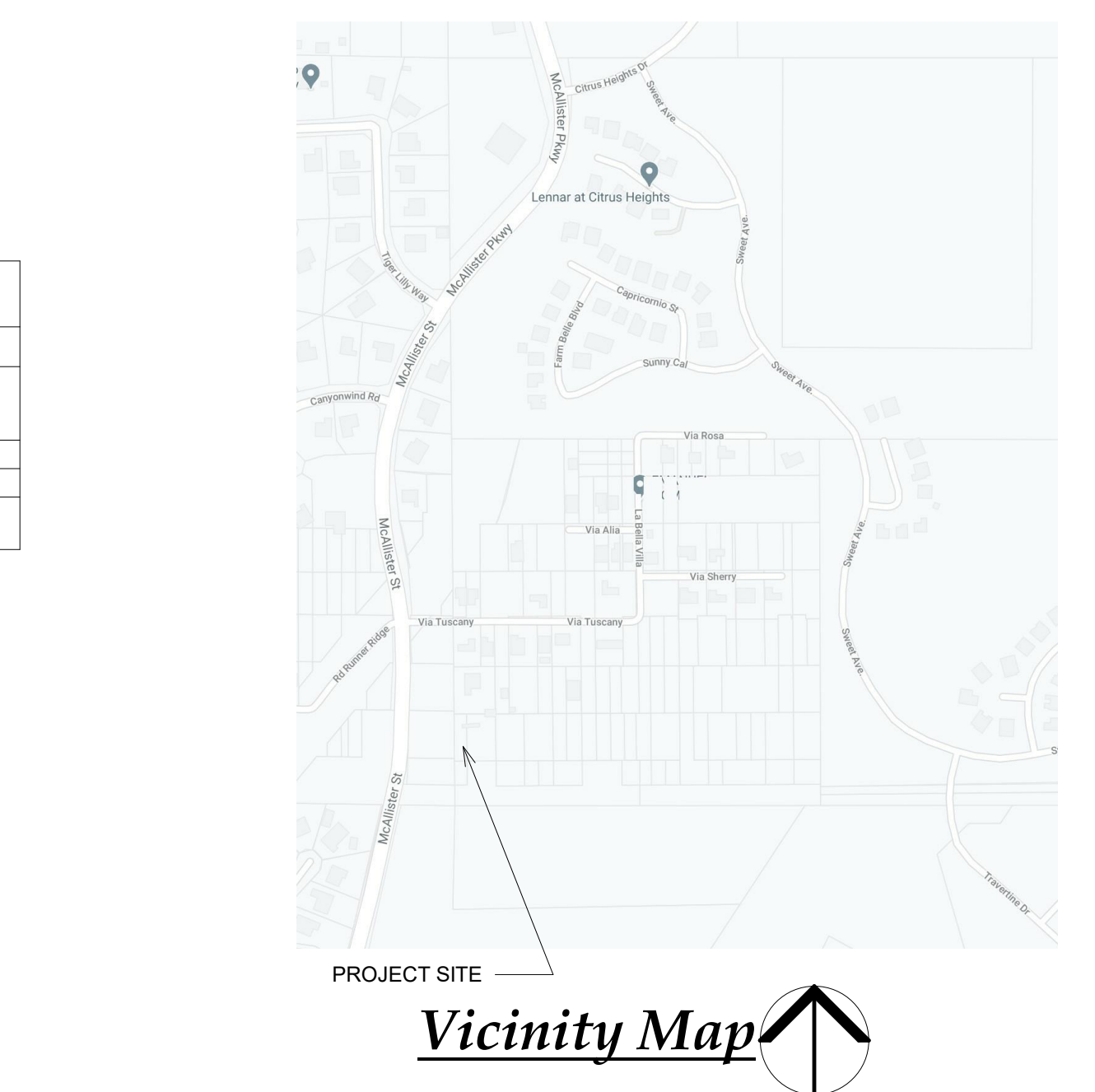
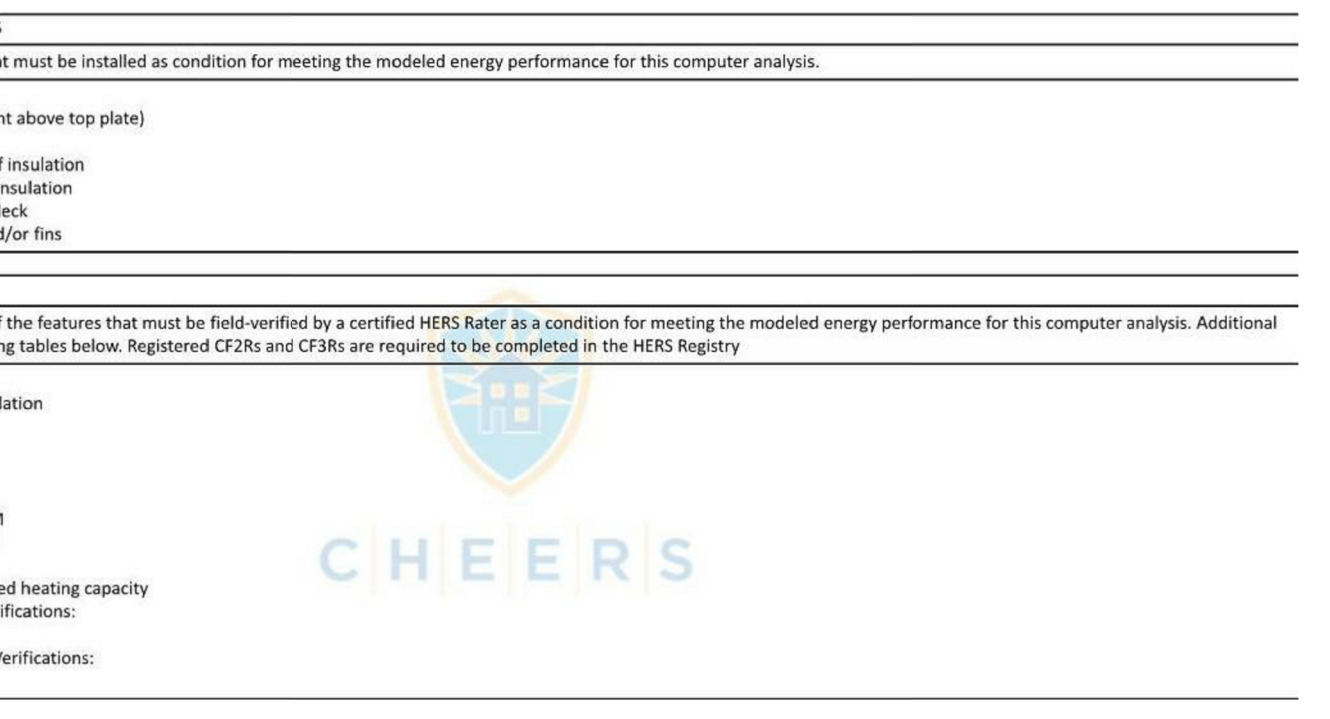


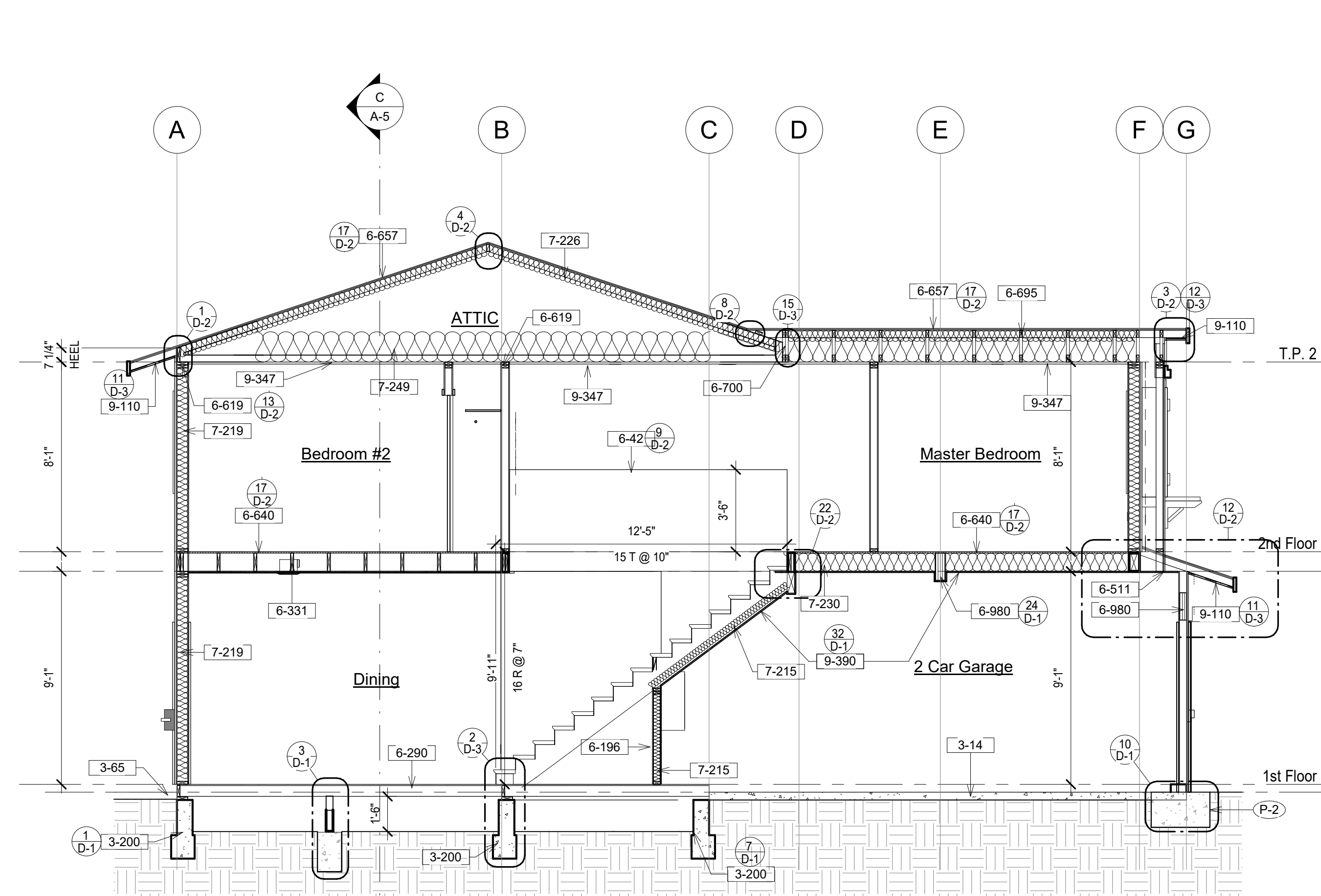
Table with 2 columns: Date and Signature. Includes dates 26 Apr. 2022 and 26 Apr. 2022 P.C.C., and 19 May 2022 Fire PCC.

Site Plan A-1

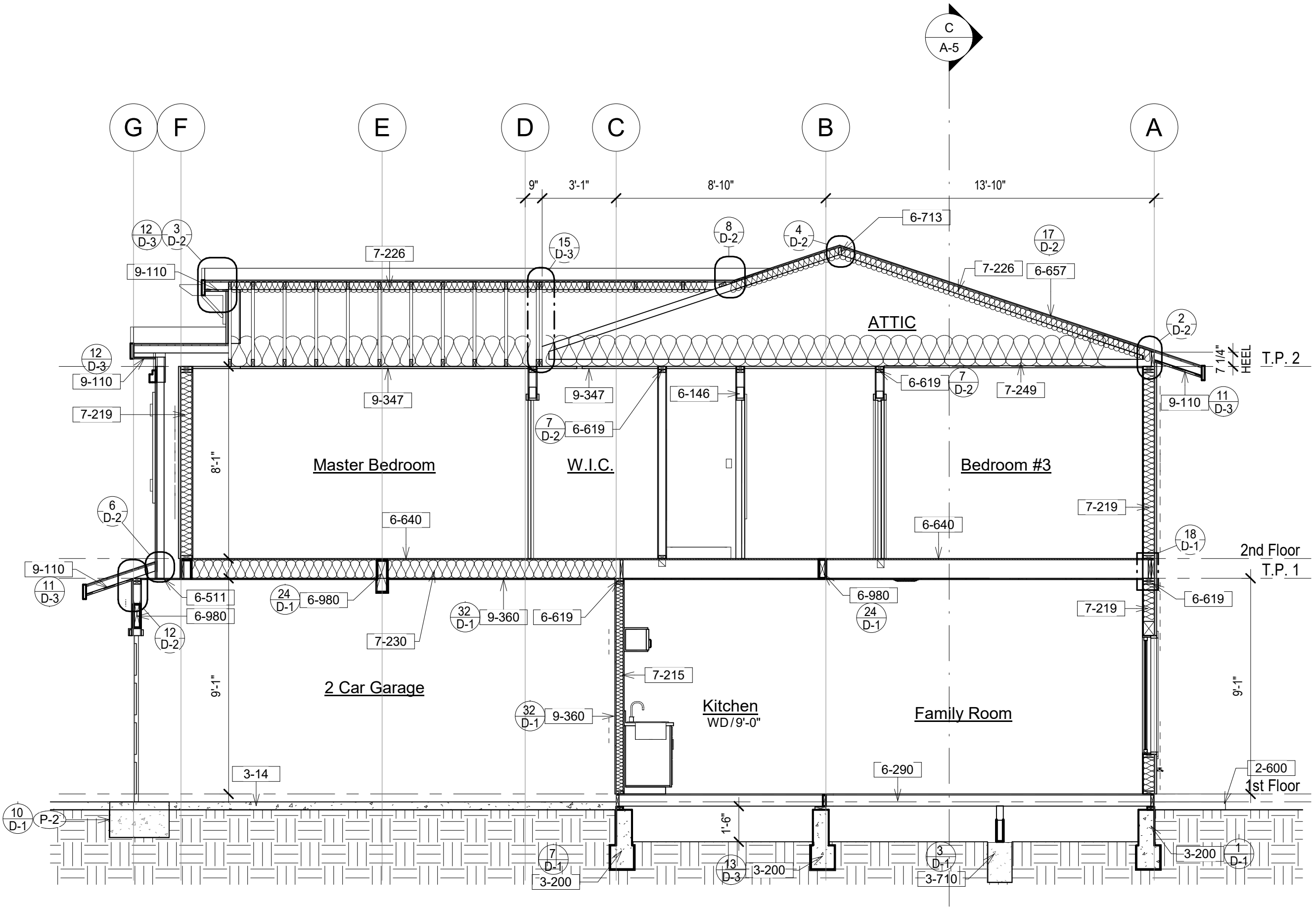
General Notes table with 2 columns: Number and Note. Contains 20 numbered notes regarding construction standards, materials, and safety.

Plan Notes

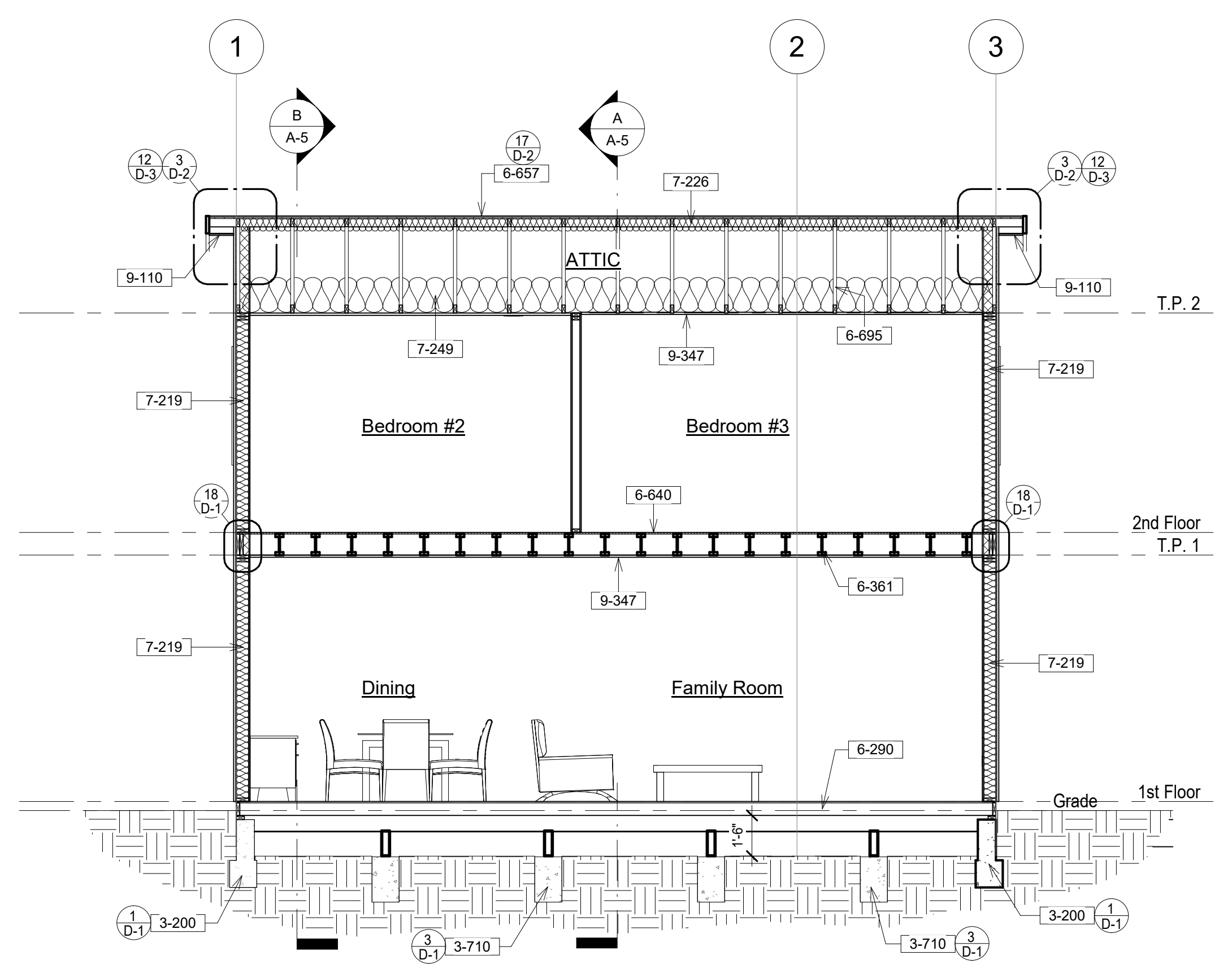
- 2-600 FINISH GRADE
- 3-14 4" THICK CONCRETE GARAGE SLAB ON 2" SAND BASE (2,500 PSI MIX) WITH SMOOTH TROWEL FINISH. SLOPE 2" TO DRAIN. SAWCUT WITHIN 24 HOURS WHERE INDICATED
- 3-65 3-1/2" THICK CONCRETE SLAB ON GRADE WITH MEDIUM BROOM FINISH. SLOPE 1/8" PER FOOT MINIMUM AWAY FROM BUILDING. PROVIDE A LANDING AT ALL DOORS A MINIMUM OF 2' BEYOND EACH SIDE OF DOOR AND A MINIMUM OF 3'-0" OUT FROM FACE OF DOOR.
- 3-200 CONTINUOUS CONCRETE FOOTING WITH STEM AND (1) #4 REINFORCING BAR TOP AND BOTTOM (SEE FOUNDATION PLAN FOR STEM WIDTH). PROVIDE 5/8" DIAMETER x 14" LONG ANCHOR BOLTS (ASTM A-307) AT 48" O/C AND 12" FROM CORNERS AND BREAKS IN SILL PLATE (7" MINIMUM EMBEDMENT INTO CONCRETE) WITH 3" x 3" x 0.225" SQUARE STEEL PLATE WASHERS TYPICAL. (CLOSER SPACING AND DEEPER FOOTING MAY BE REQUIRED AT SHEAR WALLS - SEE SCHEDULE)
- 3-710 12" SQUARE x 12" DEEP x 8" HIGH (ABOVE GRADE) CONCRETE PAD FOOTING WITH "SIMPSON CDS44" POST BASE IN CENTER
- 6-42 42" HIGH WOOD STUD WALL WITH DRYWALL SIDES AND WOOD CAP
- 6-146 4 x 6 DOUG FIR #2 OR BETTER HEADER WITH (1) 2 x 4 TRIMMER EACH END
- 6-196 VOID SPACE
- 6-290 2 x 6 FLOOR JOISTS AT 16" O/C (9'-1" MAXIMUM SPAN PER C.B.C. TABLE 2308.8(2))
- 6-331 2 x 10 DOUG FIR #2 OR BETTER FLOOR JOISTS AT 16" O/C
- 6-361 9-1/2" DEEP ENGINEERED WOOD "I" JOISTS AT 16" O/C (TRUS-JOIST MACMILLAN TJI 230 (2-5/16" x 1 1/2" FLANGE) OR EQUAL). SEE MANUFACTURER'S SPECIFICATIONS FOR NOTCHING, BLOCKING AND SHEAR REQUIREMENTS. (ICC ESR-1153)
- 6-511 PROVIDE 3/8" SHEAR DIAPHRAGM AT NOOK CEILING FROM SHEAR WALL BACK TO BEAM (NAILING PER SHEAR TYPE <2>)
- 6-619 LAP DOUBLE TOP PLATES ALONG THIS WALL 4'-0" MINIMUM WITH TWENTY (20) - 16d NAILS OR WITH "SIMPSON M148" STRAP
- 6-640 19/32" EXPOSURE I TONGUE AND GROOVE PLYWOOD (OR APA RATED OSB) FLOOR SHEATHING (PANEL INDEX 32/16). GLUE-NAIL WITH 10d DEFORMED SHANK NAILS AT 6" O/C EDGES AND 10" O/C FIELD. FLOOR DIAPHRAGM TO BE UNLOCKED WITH NAILS SPACED 6" MAXIMUM AT SUPPORTED EDGES
- 6-657 15/32" APA RATED OSB FOIL-FACED ("LUMINOX" OR EQUAL FOIL SIDE DOWN) ROOF SHEATHING 32/16 SPAN RATING EXTERIOR GLUE LAY PERPENDICULAR WITH RAFTERS AND NAIL WITH 6d NAILS AT 6" O/C EDGES AND BOUNDARY AND 12" O/C IN FIELD. INCLUDE FOIL-FACED SHEATHING AT ALL VERTICAL WALLS AT GABLE ENDS
- 6-695 FLAT BOTTOM ENGINEERED ROOF TRUSSES AT 24" O/C
- 6-700 GIRDER TRUSS (PROVIDE DOUBLE 2 x 4 STUDS EACH END - TYPICAL UON) (DOUBLE TRUSS IF REQUIRED - SEE TRUSS MANUFACTURER'S CALCULATIONS FOR EXACT REQUIREMENTS)
- 6-713 2 x 4 SOLID RIDGE BLOCKING BETWEEN TRUSSES
- 6-980 BEAM (SEE FRAMING PLAN)
- 7-215 R-15 FIBERGLASS BATT INSULATION TYPICAL AT WALLS
- 7-219 R-19 FIBERGLASS BATT INSULATION
- 7-226 R-19 FIBERGLASS BATT INSULATION PROVIDE WIRE SUPPORTS AT TRUSS TOP CHORD INSTALLATION)
- 7-230 R-30 FIBERGLASS BATT INSULATION
- 7-249 R-49 FIBERGLASS BATT INSULATION AT ALL NEW ATTIC AREAS
- 9-110 STUCCO SOFFIT (USE HIGH-RIB METAL LATH AT ALL HORIZONTAL APPLICATIONS)
- 9-347 LINE OF CEILING (SEE PLAN FOR CEILING HEIGHTS)
- 9-360 5/8" TYPE "X" GYPSUM BOARD ON GARAGE SIDE OF THIS WALL FROM SLAB TO ROOF SHEATHING (OR FROM SLAB TO GARAGE CEILING WHERE OCCURS). SECURE WITH 66 COOLER NAILS AT 7" ON CENTER WITH END JOINTS ON NAILING MEMBERS. PROVIDE MINIMUM 24" HORIZONTAL SEPARATION BETWEEN OFFSET ELECTRICAL RECEPTACLES. (ELECTRICAL BOXES TO CONFORM TO ICC REPORT NO. ER 3686) GAS VENTS, METAL CHIMNEYS PENETRATING THE FINISH SHALL BE FIRE STOPPED WITH AN APPROVED ASSEMBLY. PLASTIC PIPE SHALL NOT PIERCE FINISH. DUCTS ON THE GARAGE SIDE SHALL BE A MINIMUM 26 GAUGE SHEET METAL.
- 9-390 PROVIDE ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON ALL WALLS AND CEILING OF USABLE SPACE UNDER STAIRS. ELECTRICAL BOXES INSTALLED IN THESE WALLS OR CEILING SHALL BE ONE-HOUR FIRE RATED.



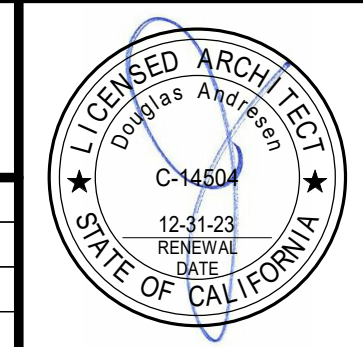
B Section B
1/4" = 1'-0"



A Section A
1/4" = 1'-0"



C Section C
1/4" = 1'-0"

Proposed Single Family Residence For:		
Parthenon Development, LLC		
13024 Via Verrazano, Riverside, CA 92503		
26 Apr. 2022	26 Apr. 2022 P.C.C.	
21-4372		
Sections		A-5

5/19/2022 1:27:05 PM C:\Users\JonathanBallesteros\Andresen Architecture Inc\AAI - Access\Projects 4 - Projects 2020-2029\2021\21-4372 Russo's Lot 55 SFR - 10m Russo.rvt

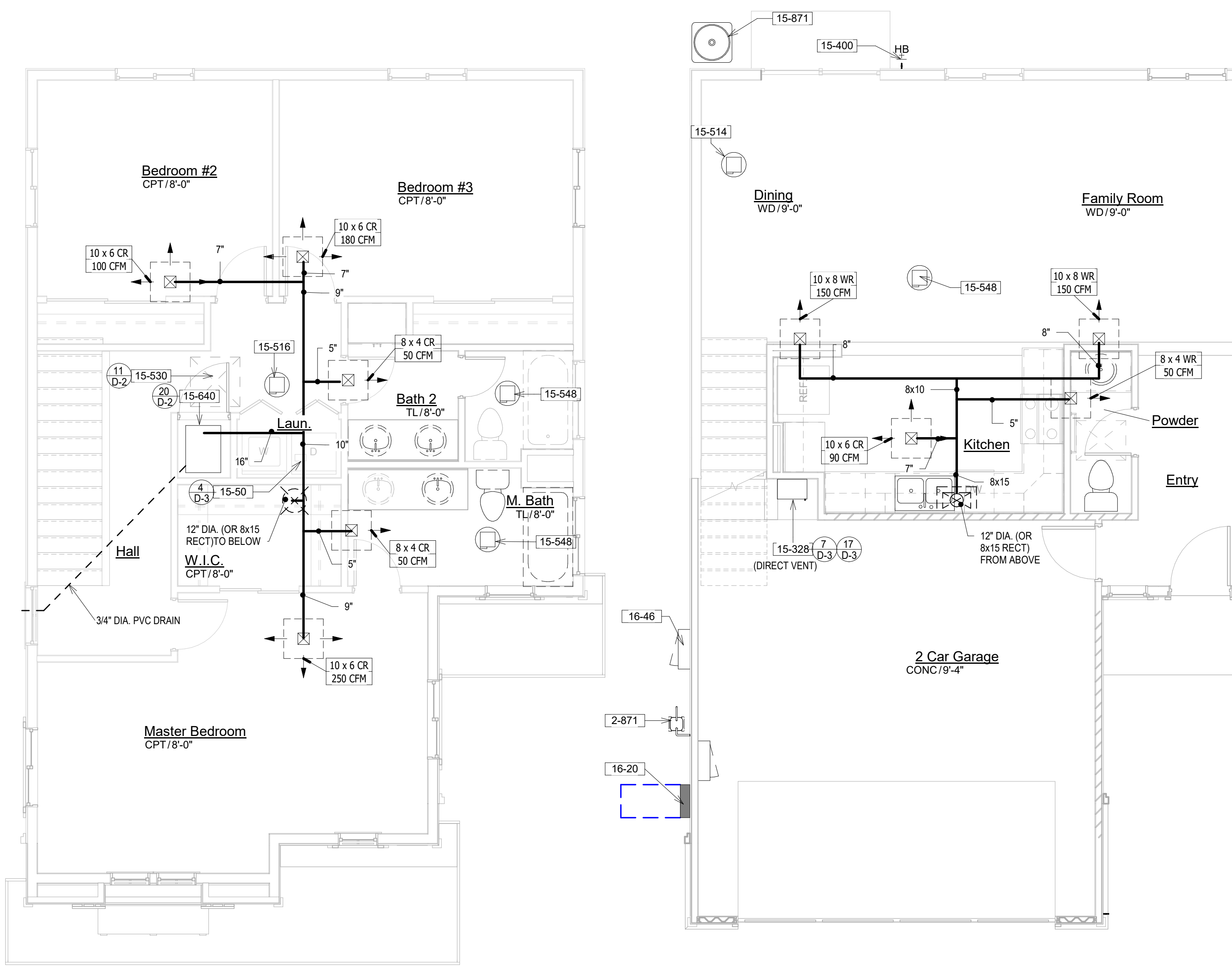
Electrical Legend

LIGHTING REQUIREMENTS:

- 1. ALL INSTALLED LUMINAIRES MUST BE HIGH EFFICACY IN ACCORDANCE WITH CALIFORNIA ENERGY CODE TABLE 150.0 A.
2. LIGHTING IN BATHROOM, GARAGE, LAUNDRY ROOMS AND UTILITY ROOMS MUST BE CONTROLLED BY OCCUPANT SENSOR...

GENERAL ELECTRICAL NOTES:

- 1. THE ELECTRICAL SYSTEM SHALL BE GROUNDED BY PROVIDER W/ BONDS TO GAS & WATER PIPING.
2. ALL 125-VOLT, 15- AND 20- AMPERE RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES PER 406.12 EXCEPT RECEPTACLES LOCATED MORE THAN 5'-1/2" FEET ABOVE THE FLOOR AND RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE...



Second Floor Mechanical Floor Plan 1/4" = 1'-0"

Water Notes

- 1. WATER PIPE AND FITTINGS WITH A LEAD CONTENT WHICH EXCEEDS 8% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER.
2. ALL FIXTURES, EQUIPMENT, PIPING, AND MATERIALS SHALL BE LISTED...



Plan Notes

- 2-871 NEW GAS METER LOCATION (BY UTILITY). (VERIFY EXACT LOCATION WITH UTILITY COMPANY)
11-30 DISHWASHER SPACE
11-62 REFRIGERATOR SPACE (PROVIDE RECESSED SHUT-OFF IN PLASTIC BOX FOR IZEMAKER)

General Notes

- 1. HEATING SYSTEMS SHALL BE EQUIPPED WITH THERMOSTATS THAT HAVE A CLOCK MECHANISM WITH SET POINTS FOR AT LEAST FOUR PERIODS WITHIN 24 HOURS.
2. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET...

- NOTES:
1. ALL WIRE SIZING AND INSTALLATION FOR ALL OUTLET, FIXTURES AND SWITCHES TO BE DETERMINED AND THE SOLE RESPONSIBILITY OF LICENSED ELECTRICIAN ON THE JOB.
2. IF ANY FIELD CHANGES NEED TO BE MADE THE LICENSED ELECTRICIAN HAS SOLE RESPONSIBILITY FOR ALL CHANGES. ALL CHANGES MUST BE APPROVED BY GENERAL CONTRACTOR AND MUST FOLLOW THE 2008 NEC.

Table with columns: NO, DESCRIPTION, CKT, AMP, PHASE, A, B, C, FEEDER, DESCRIPTION, NO. Includes lighting and receptacle schedules.

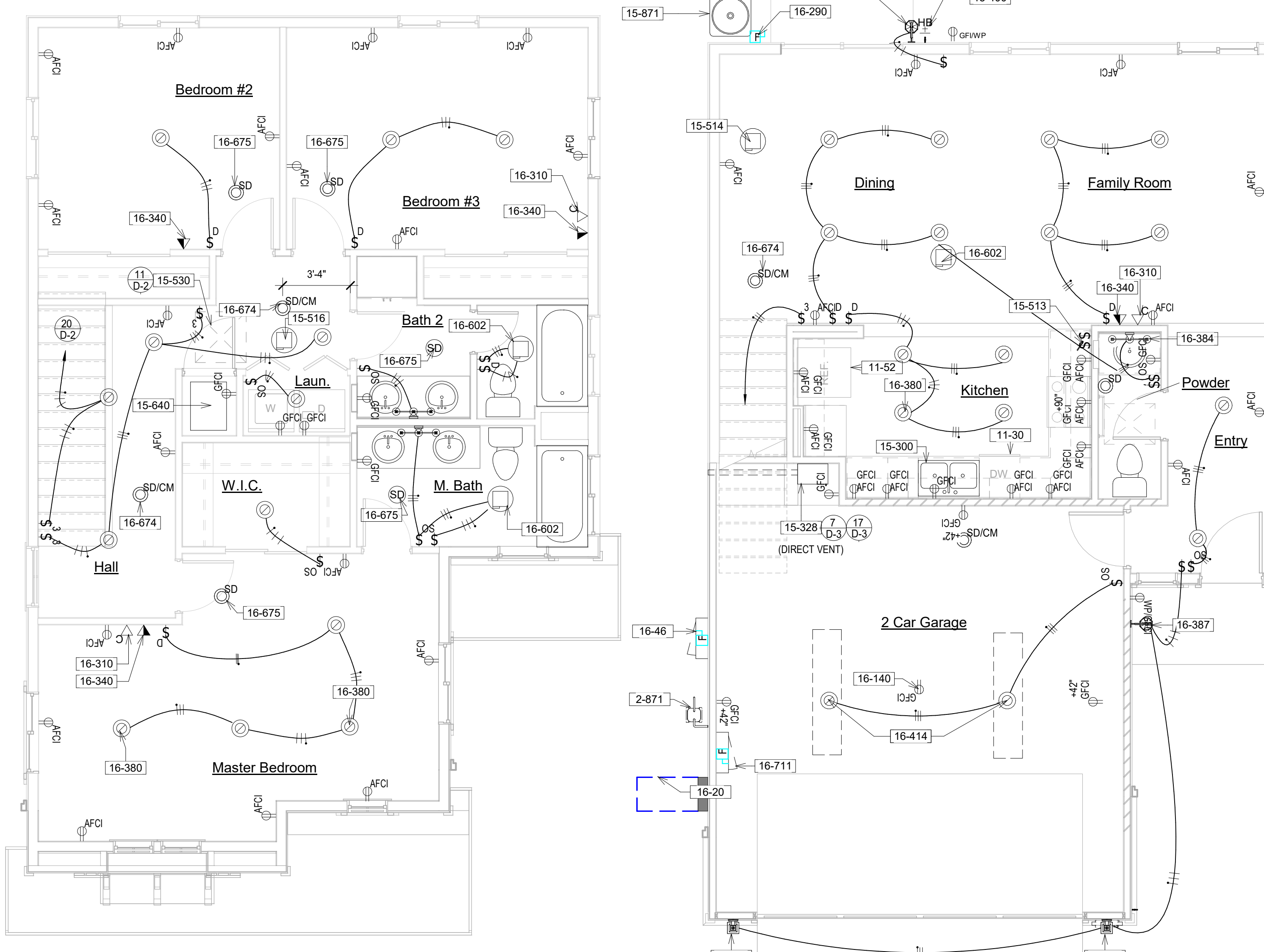
Table with columns: PANEL, MOUNTING: SURFACE, VOLTAGE: 120/240V, 1PH 3W, 1 PH 3 W, FEEDER: (3)#4, (1)#8, G...

Mechanical Notes

- VENT NOTES
1. MECHANICAL EXHAUST FANS FROM BATHROOMS SHALL COMPLY WITH THE FOLLOWING:
A. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
B. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDISTAT WHICH SHALL BE READILY ACCESSIBLE. HUMIDISTAT CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN RELATIVE HUMIDITY RANGES OF 50% TO 80%.

Mechanical Notes

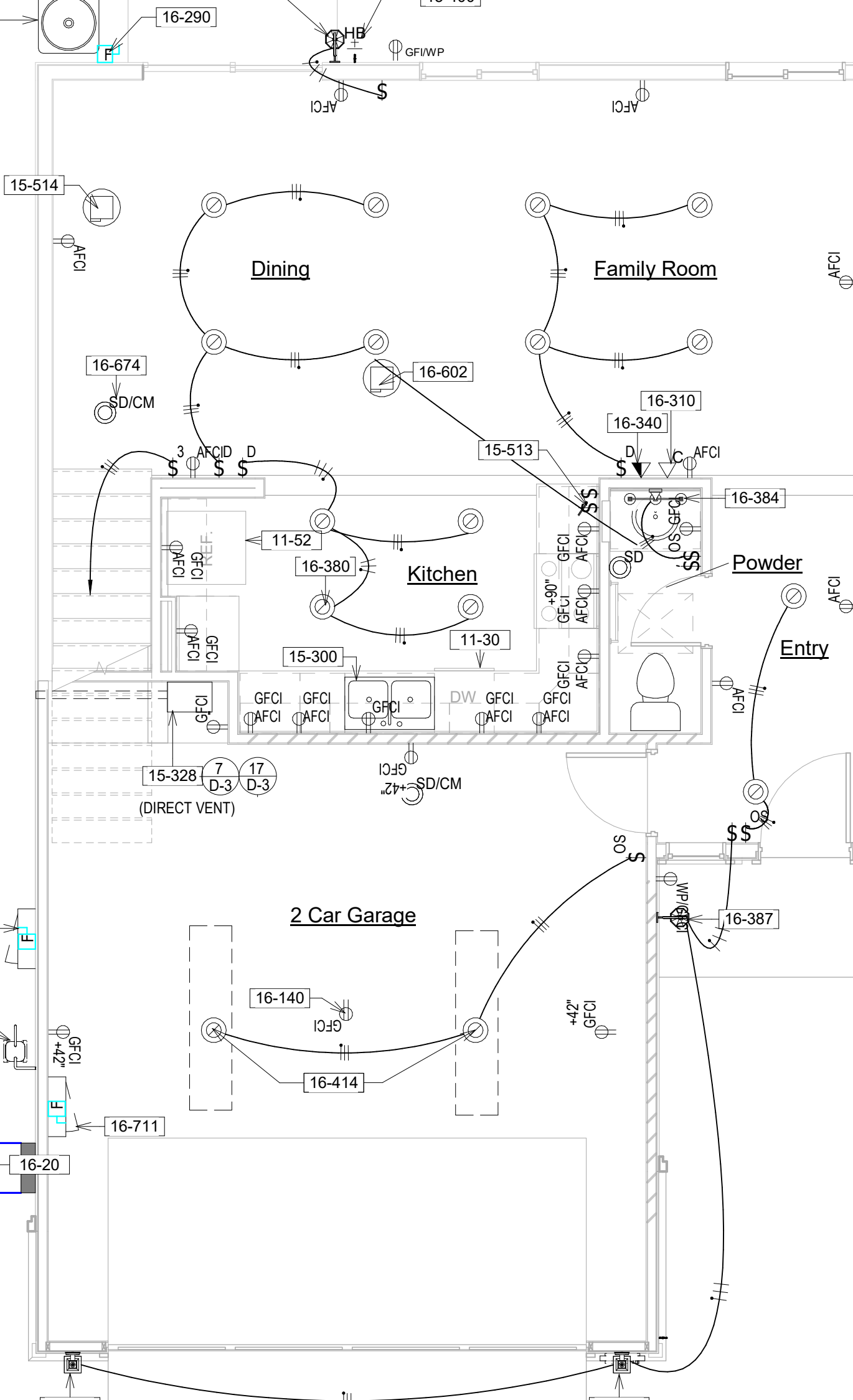
- MECHANICAL NOTES
1. MECHANICAL EXHAUST FANS FROM BATHROOMS SHALL COMPLY WITH THE FOLLOWING (CALGREEN 4.506.1):
1) ENERGY STAR COMPLIANT AND DUCTED TO TERMINATE OUTSIDE BUILDING.
2) CONTROLLED BY READILY ACCESSIBLE HUMIDISTAT.



Second Floor Electrical Floor Plan 1/4" = 1'-0"

First Floor Mechanical Floor Plan

1/4" = 1'-0"



First Floor Electrical Floor Plan 1/4" = 1'-0"

PLUMBING PIPE INSULATION SCHEDULE

Table with columns: SERVICE, TEMPERATURE RANGE (F), PIPE SIZE (IN. DIA.), REQUIRED INSULATION THICKNESS (IN.).

PIPE MATERIAL SCHEDULE

Table with columns: SERVICE, PIPE MATERIAL & WEIGHT, TYPE OF JOINTS, PRESSURE FITTINGS MATERIAL, SHUT-OFF RATINGS PSI - SWP, VALVE.

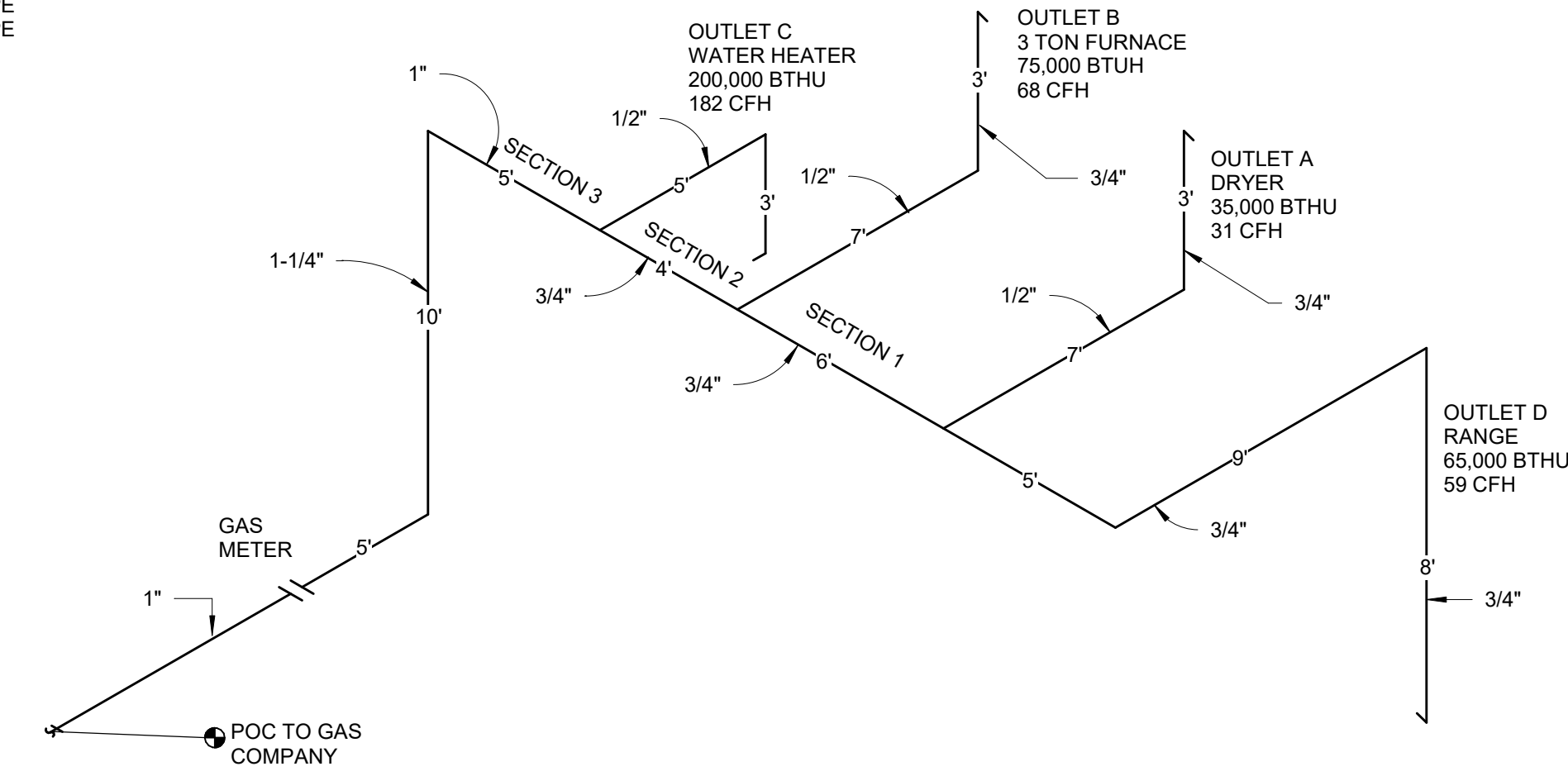
CHECK GAS SUPPLY LINES FROM GAS METER:

DRYER	35,000 BTUH / 1,100 = 31 CFH	OUTLET A
FURNACE	75,000 BTUH / 1,100 = 68 CFH	OUTLET B
WATER HTR.	200,000 BTUH / 1,100 = 182 CFH	OUTLET C
GAS OVEN	65,000 BTUH / 1,100 = 59 CFH	OUTLET D

TOTAL LENGTH OF PIPE TO THE MOST REMOTE OUTLET=45' (USE 50'-TABLE 12-8)

OUTLET A	59 CFH	1/2" PIPE (3/4" MIN. FOR RANGE)
SECTION 1 (FROM GAS MTR. SUPPLYING OUTLET A,D)	90 CFH	3/4" PIPE
SECTION 2 (FROM GAS MTR. SUPPLYING OUTLET A,B,D)	158 CFH	1" PIPE
SECTION 3 (FROM GAS MTR. SUPPLYING OUTLET A,B,C,D)	340 CFH	1" PIPE

TOTAL LENGTH TO OUTLET B 10' (USE 20')	68 CFH	3/4" PIPE
TOTAL LENGTH TO OUTLET C 10' (USE 20')	45 CFH	1/2" PIPE
TOTAL LENGTH TO OUTLET D 17' (USE 20')	59 CFH	3/4" PIPE



Gas Isometric
1/4" = 1'-0"

C:\Users\JonathanBallesteros\Andresen Architecture Inc\AAI - Access\Projects 4 - Access\Projects 2020-2029\2021\21-4372 Russo's Lot 55\Revit\21-4372 Lot 55 SFR - John Russo.rvt

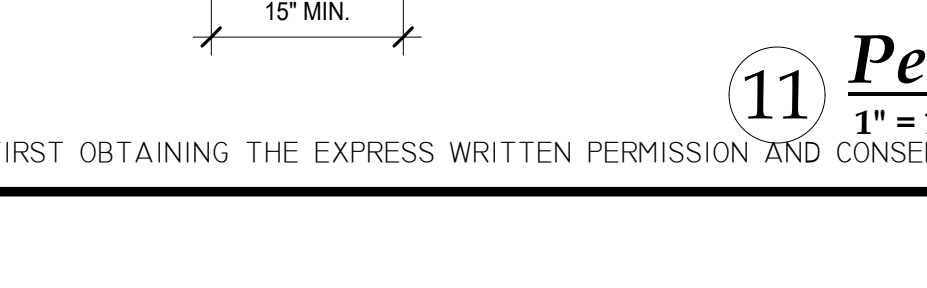
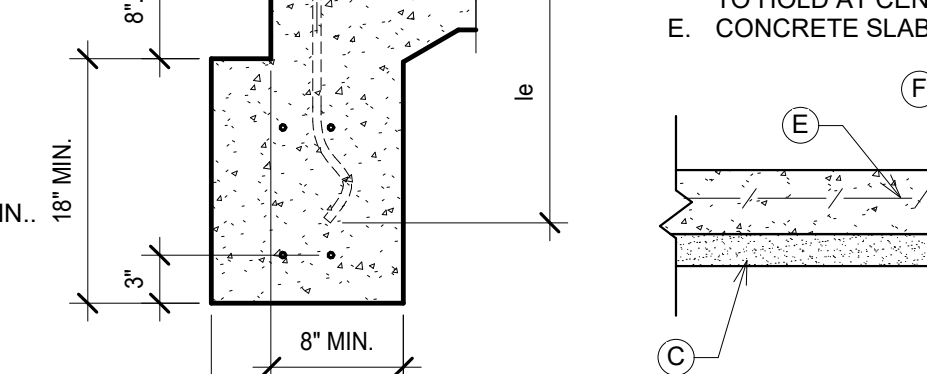
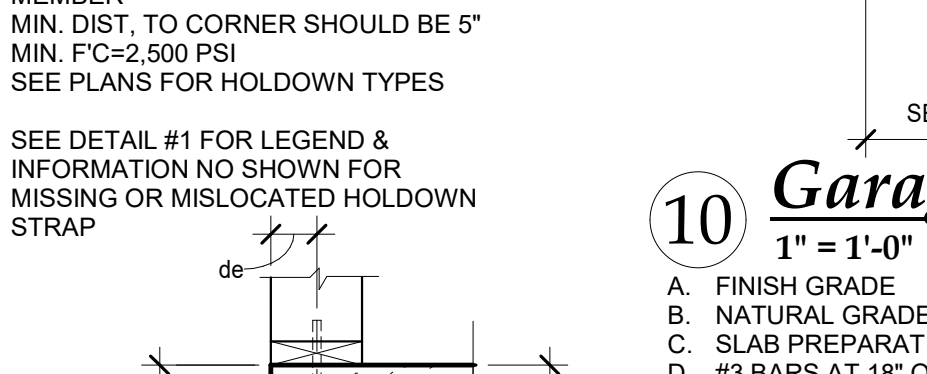
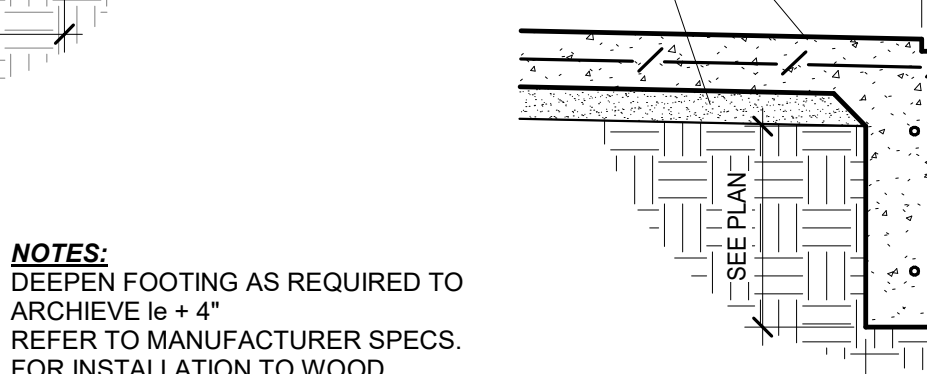
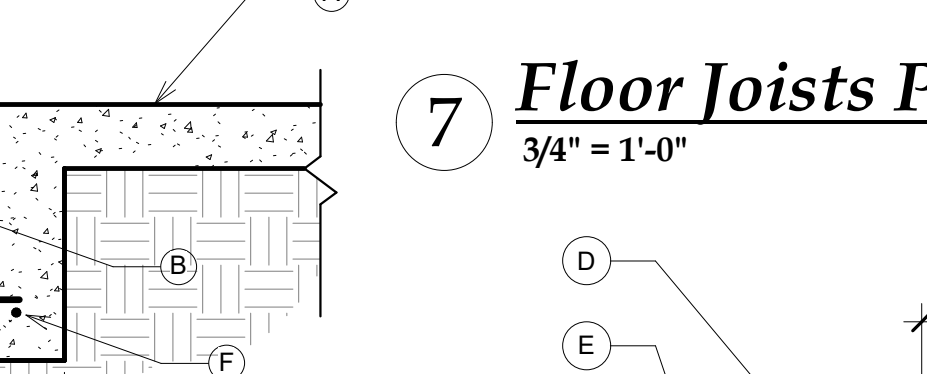
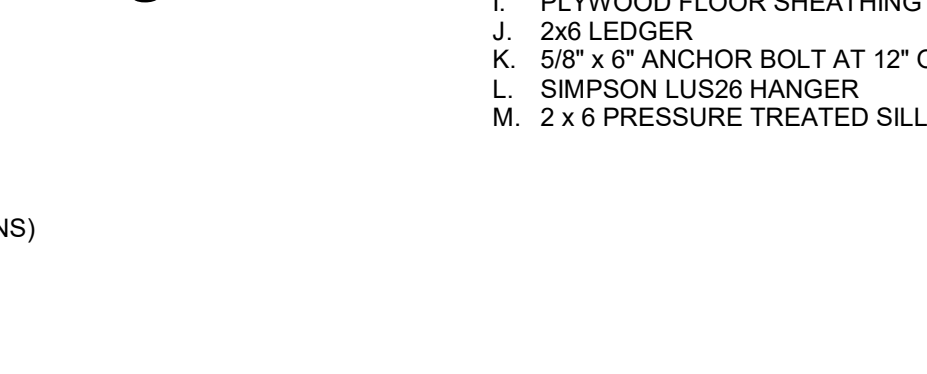
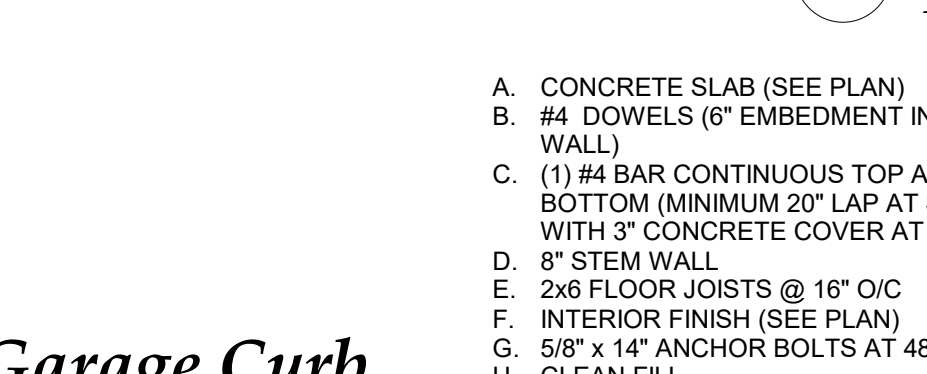
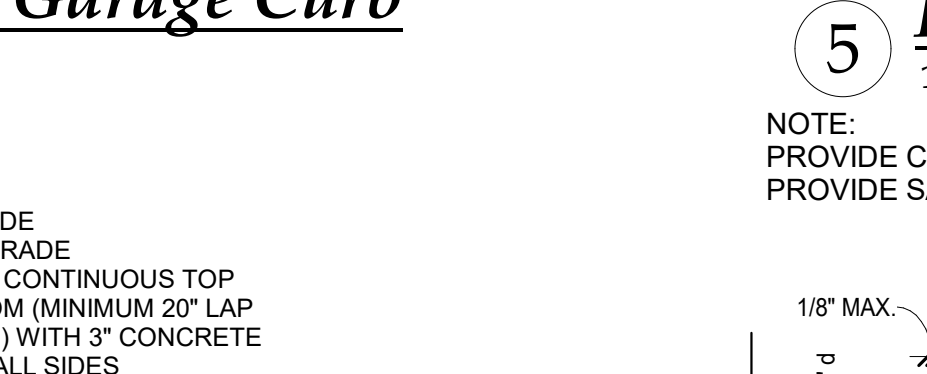
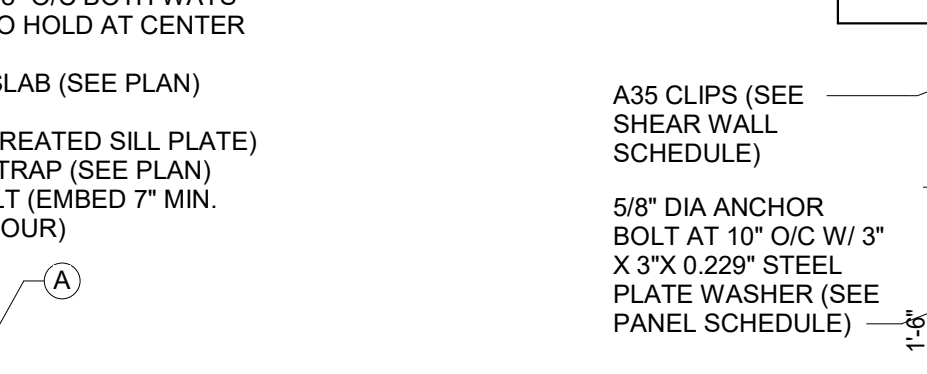
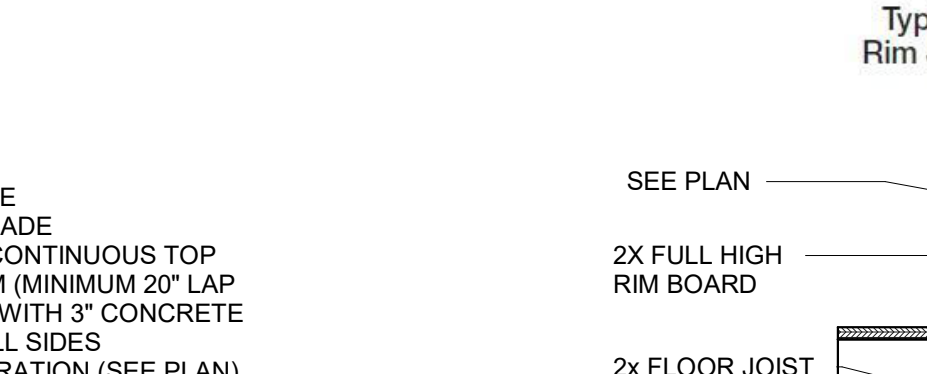
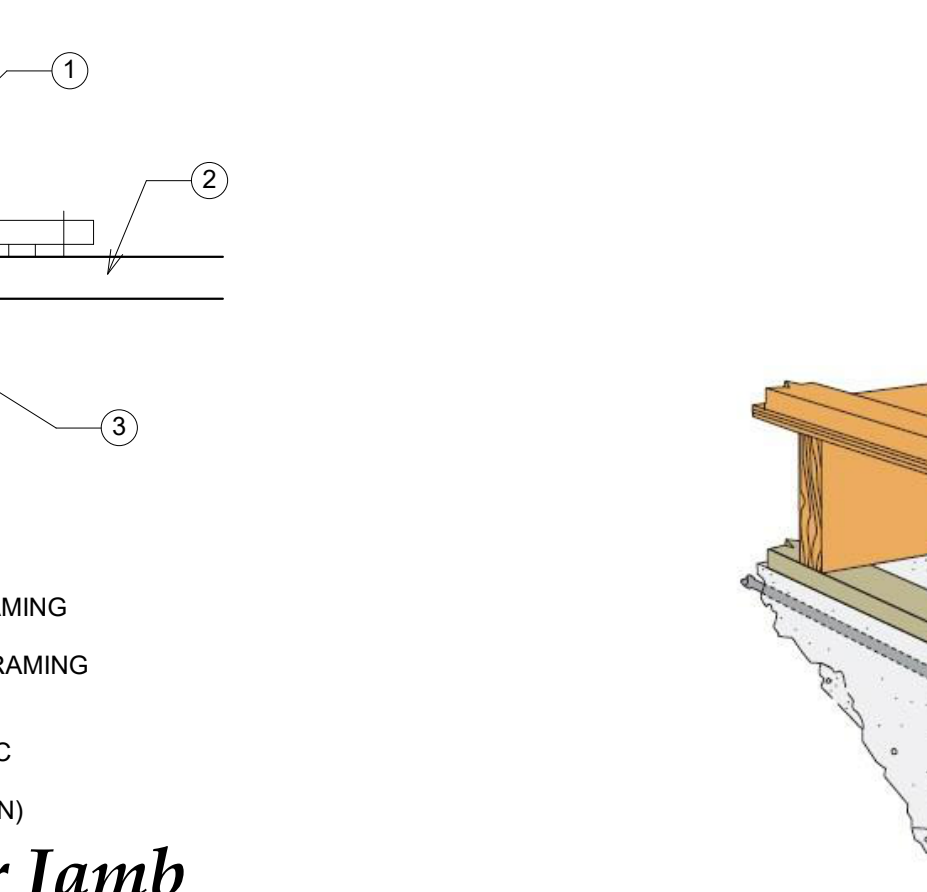
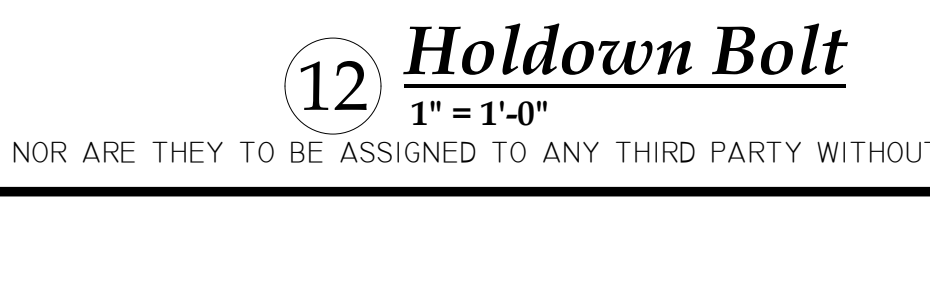
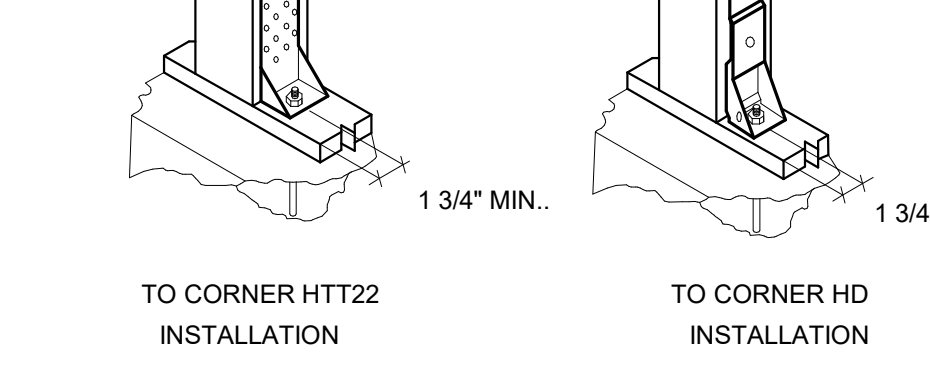
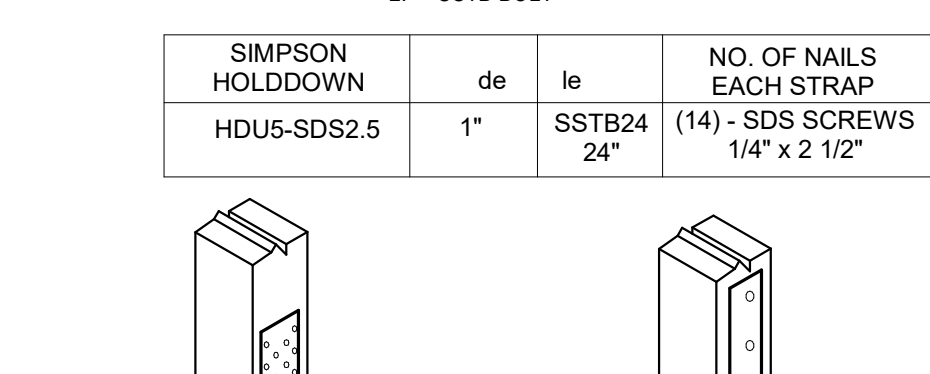
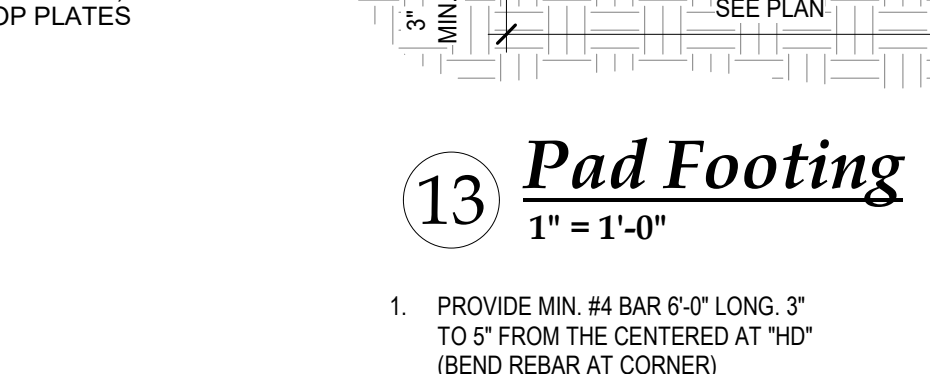
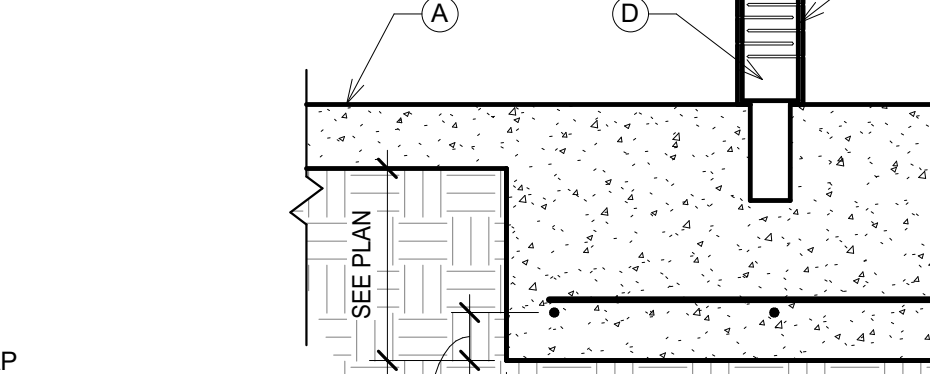
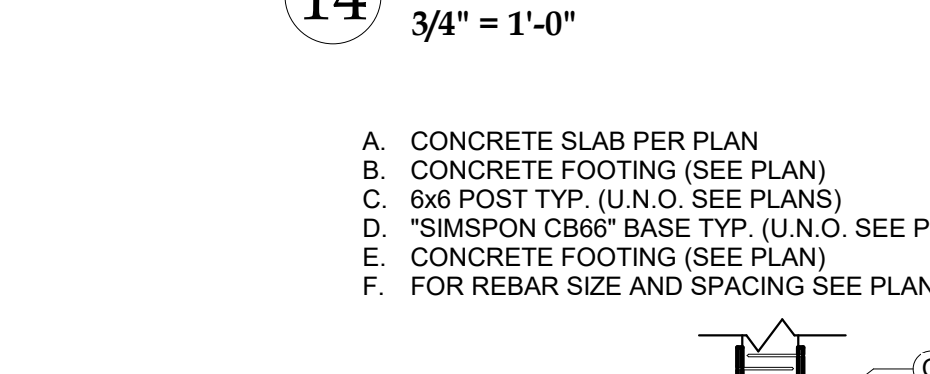
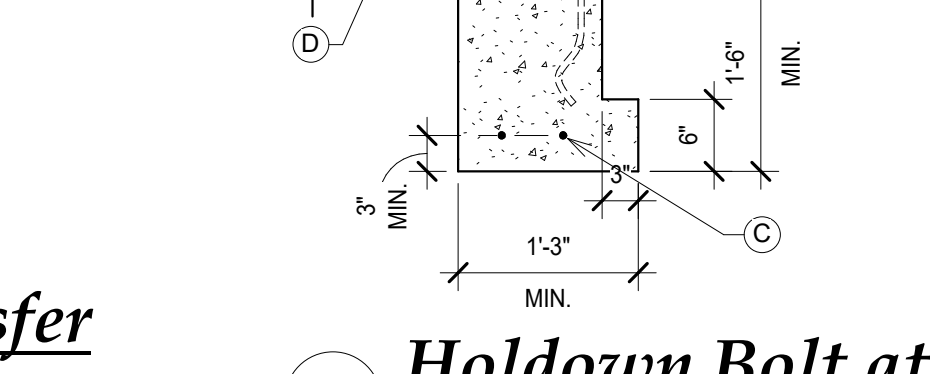
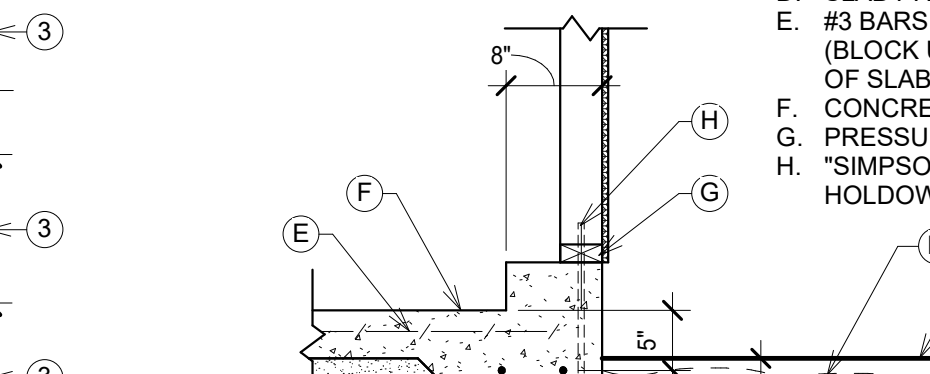
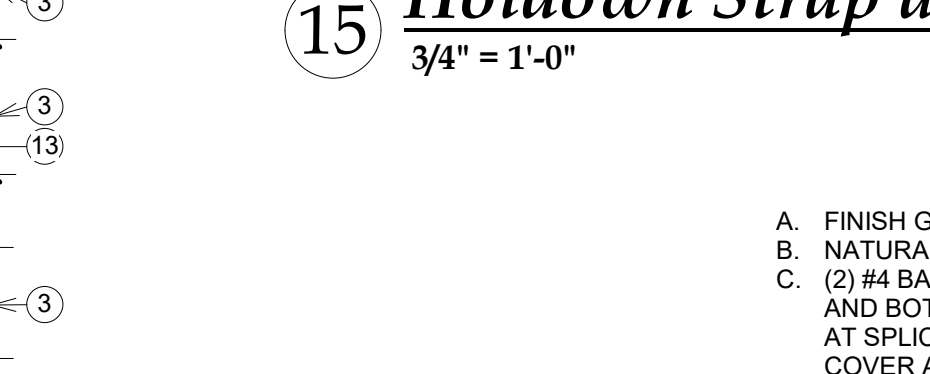
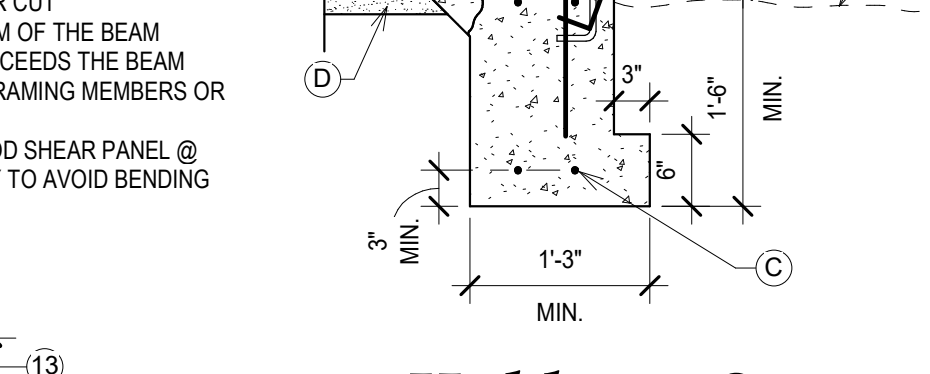
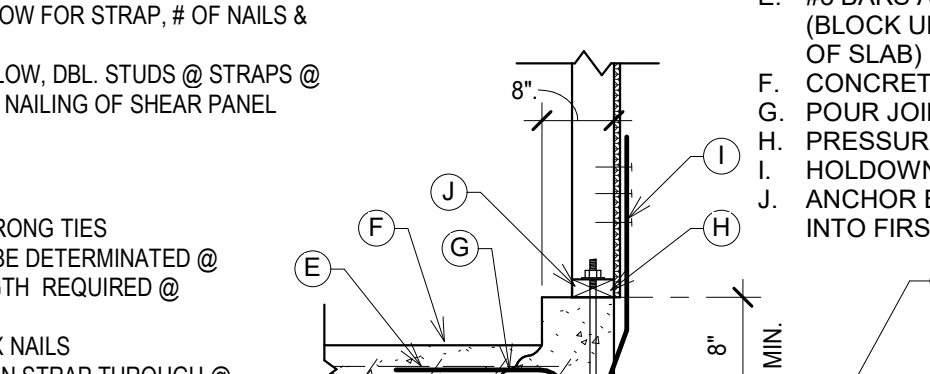
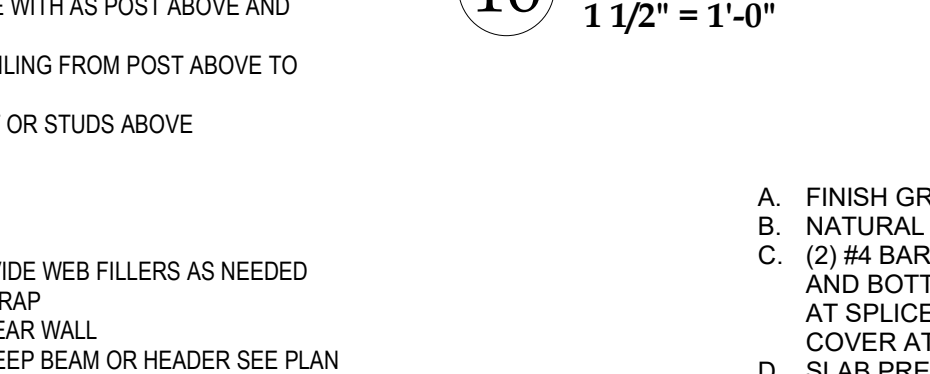
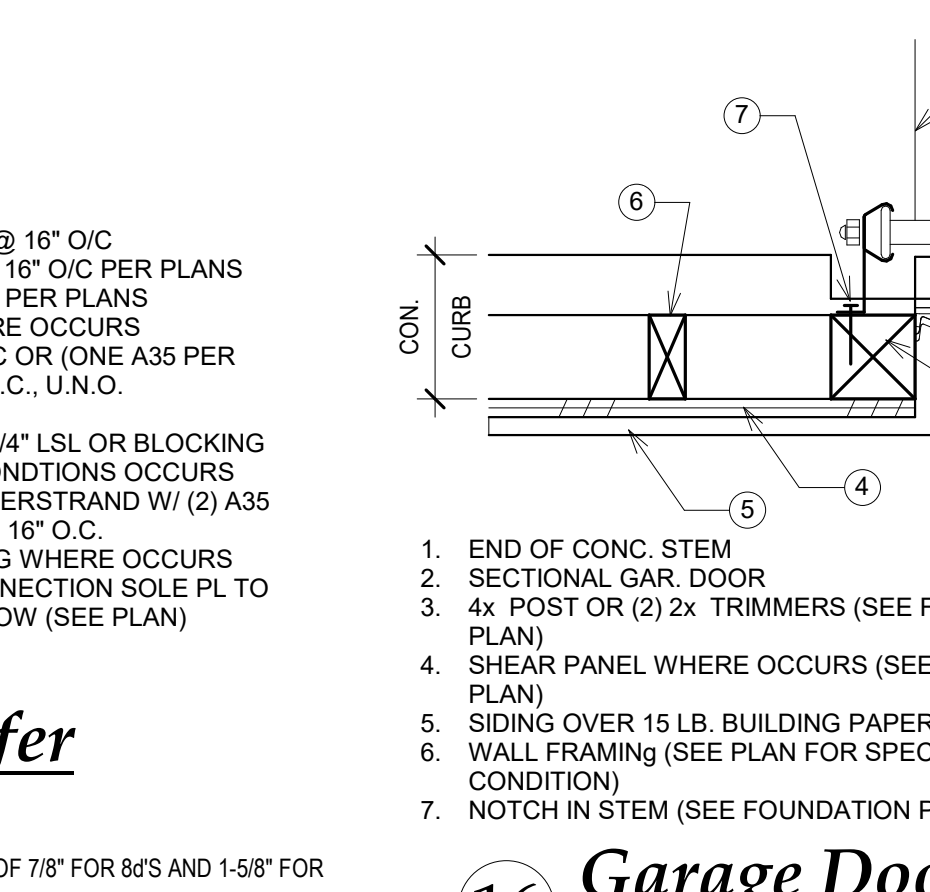
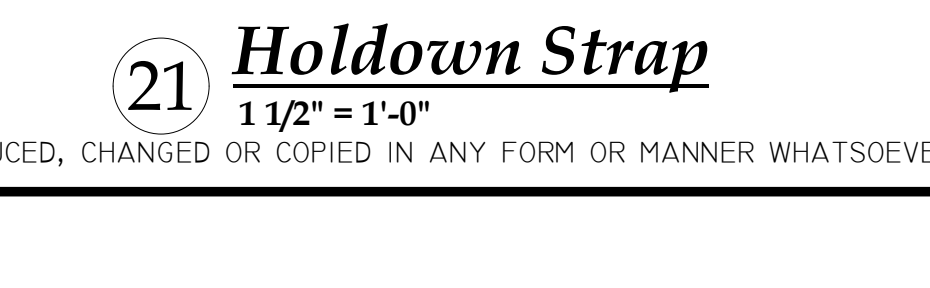
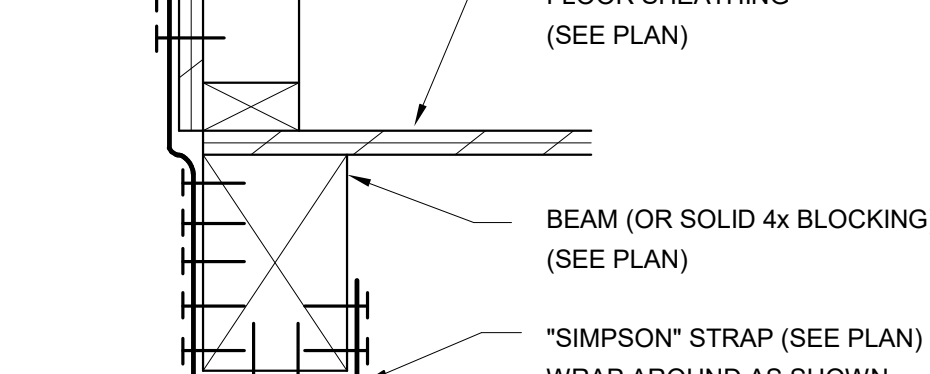
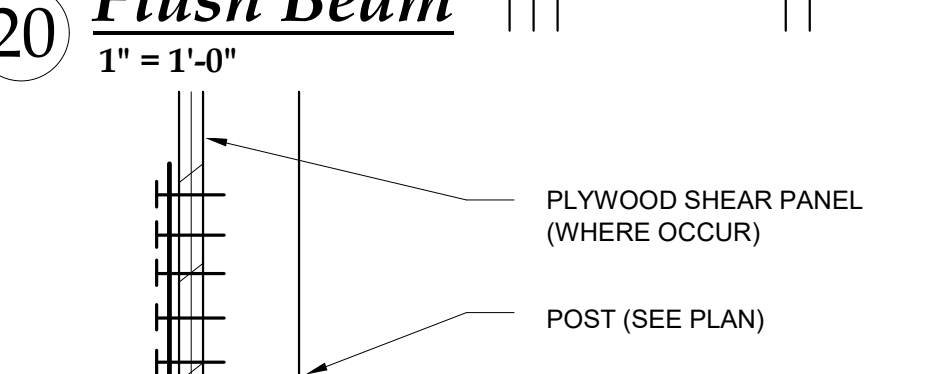
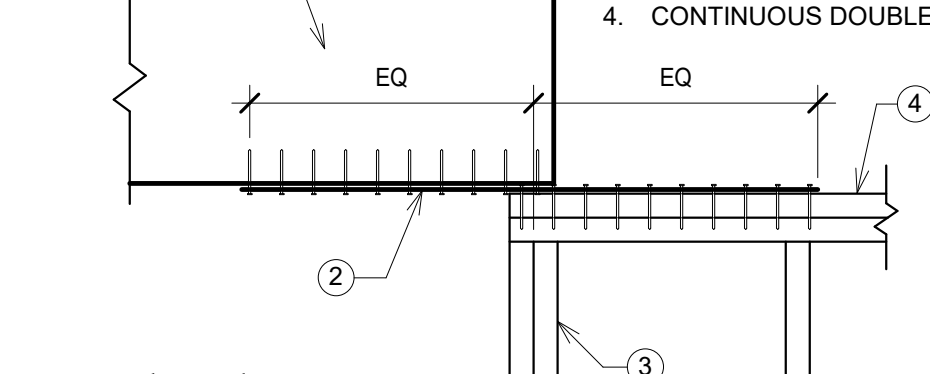
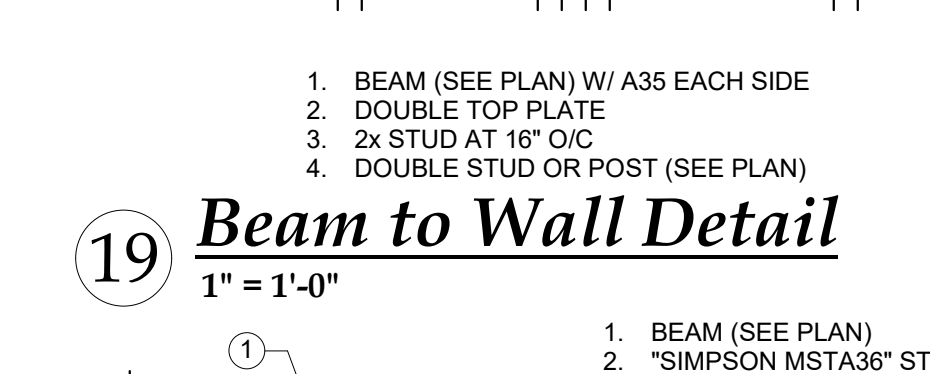
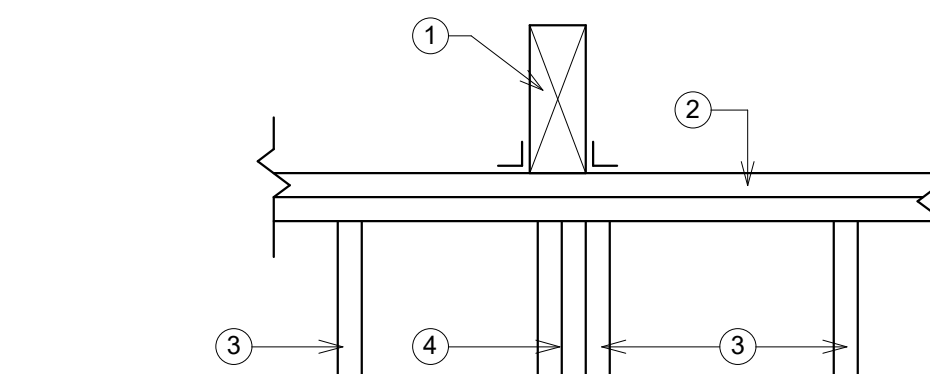
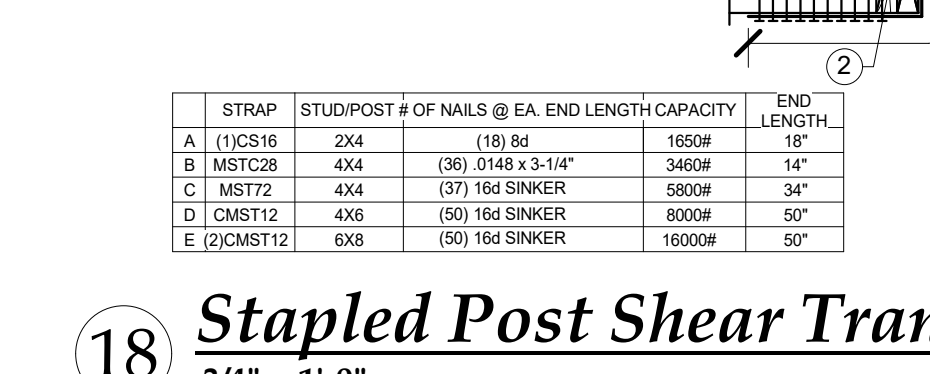
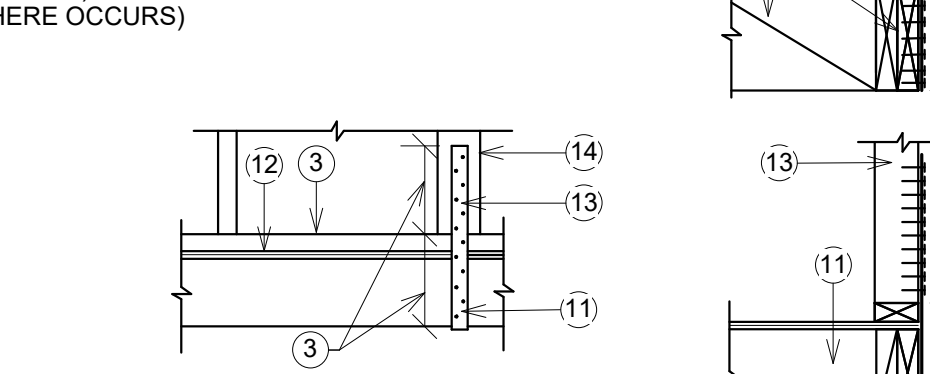
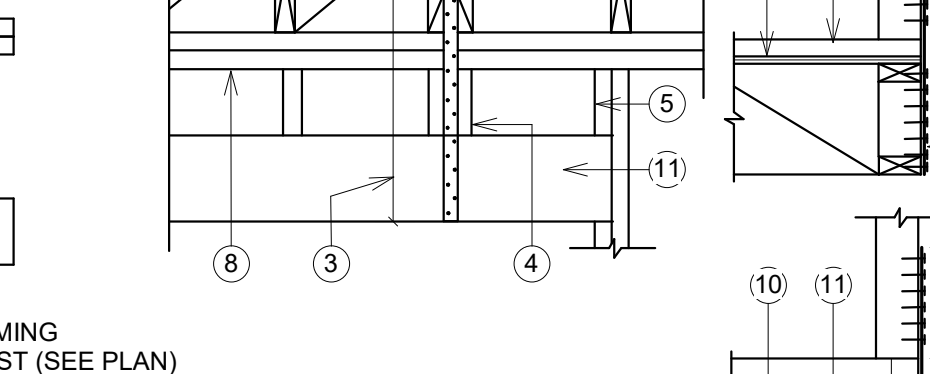
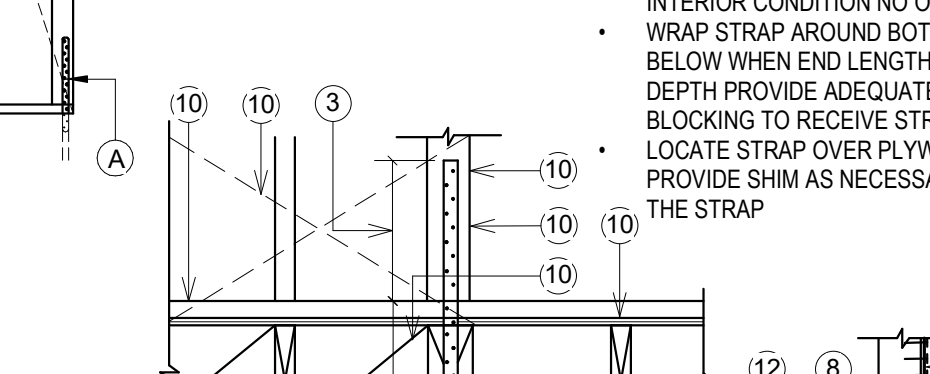
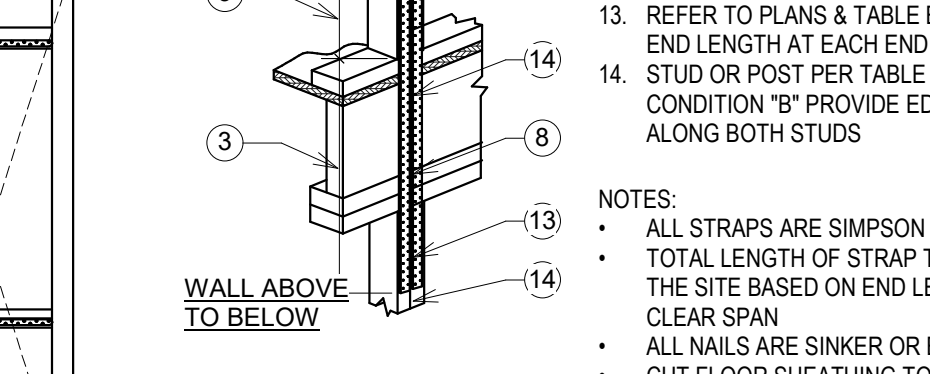
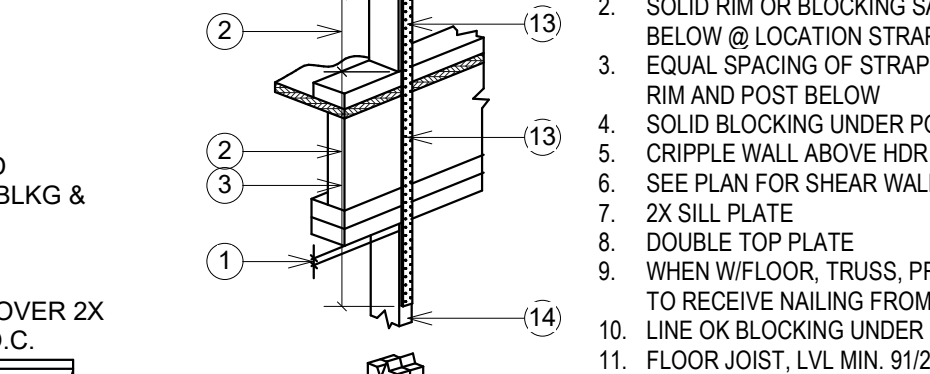
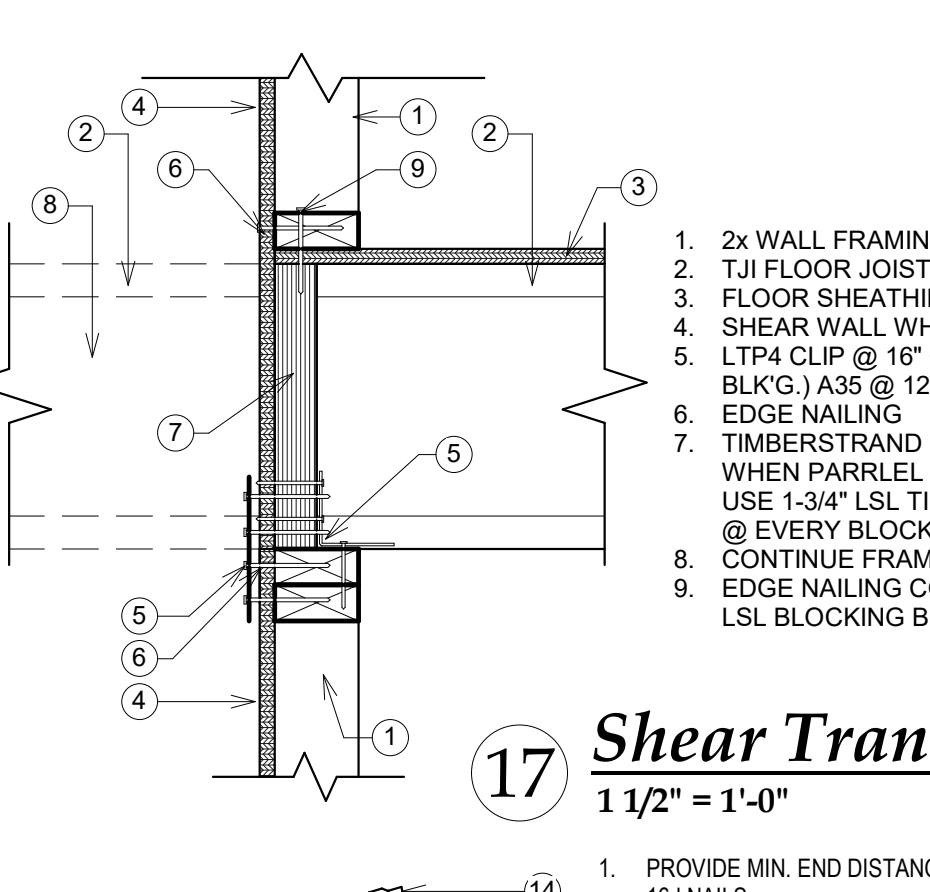
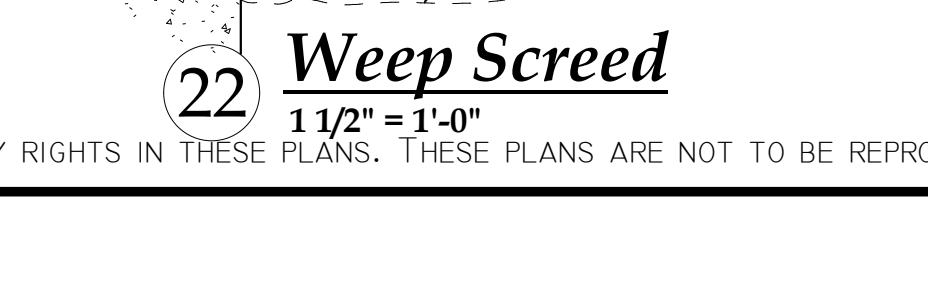
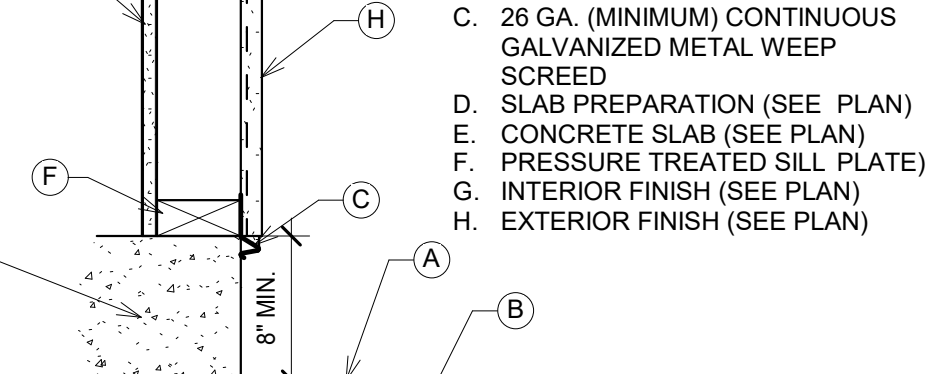
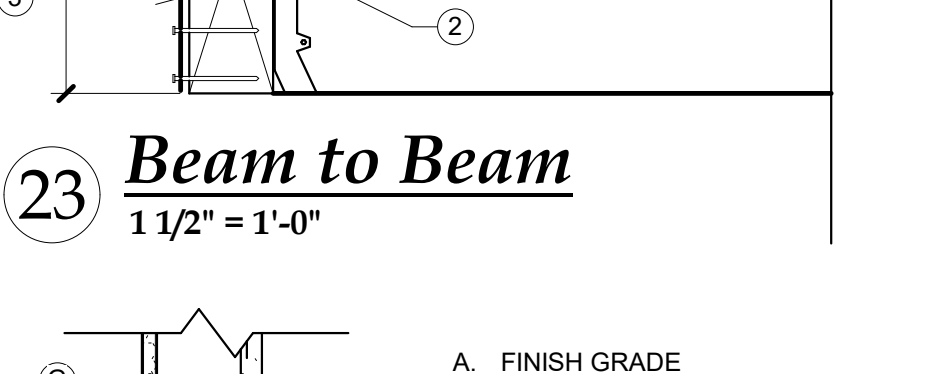
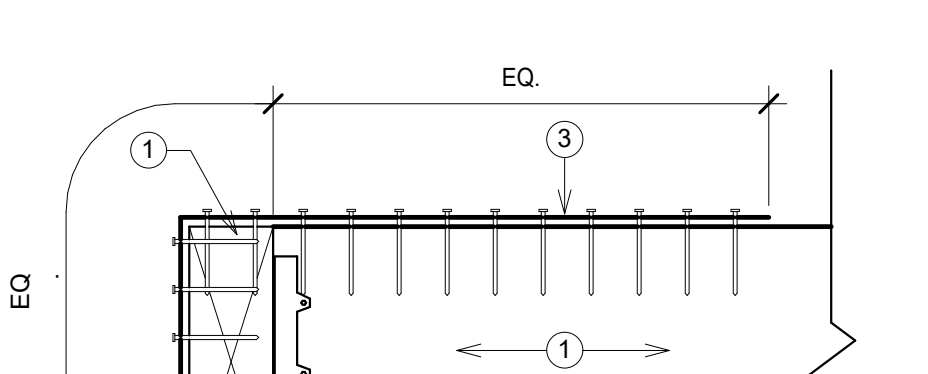
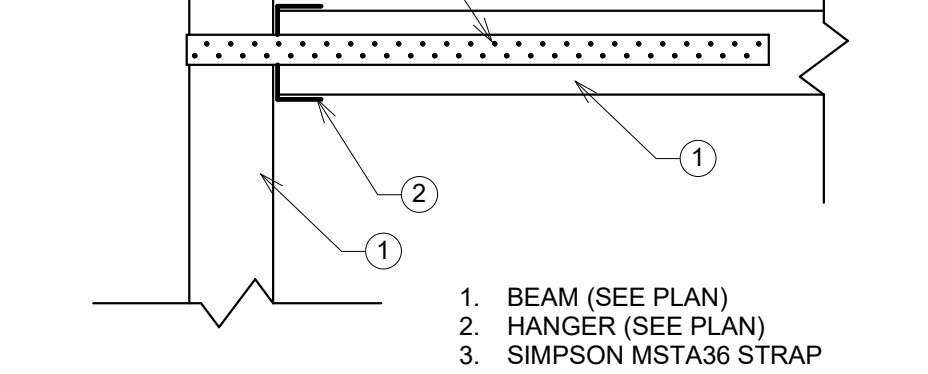
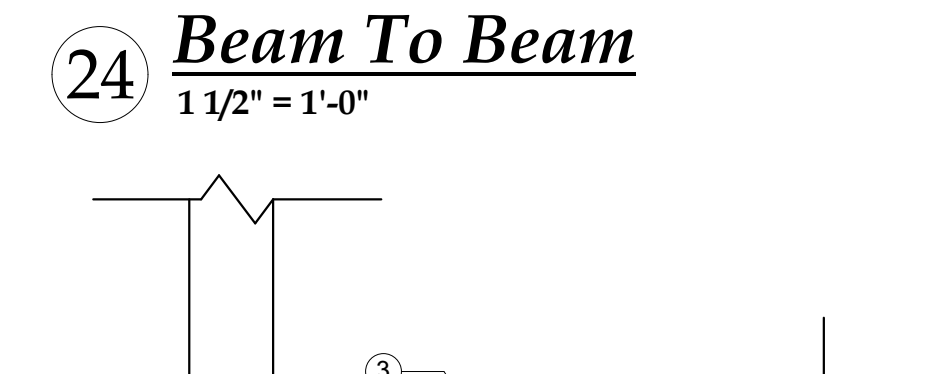
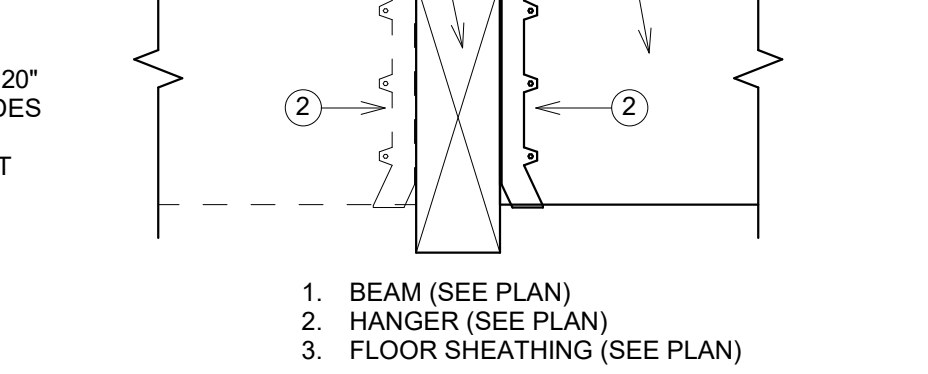
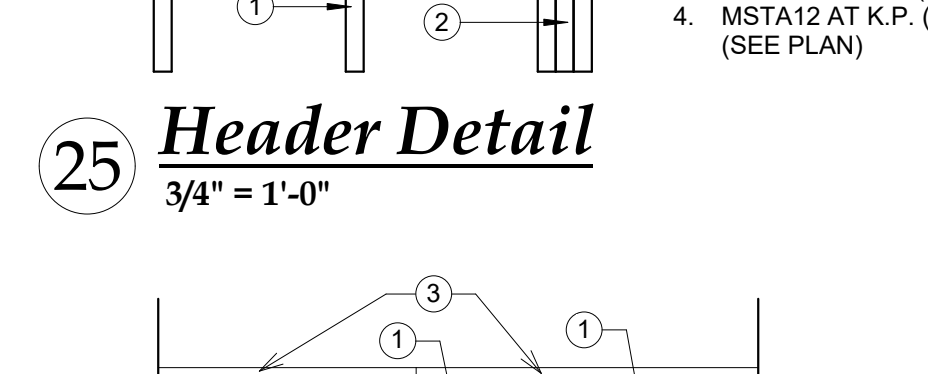
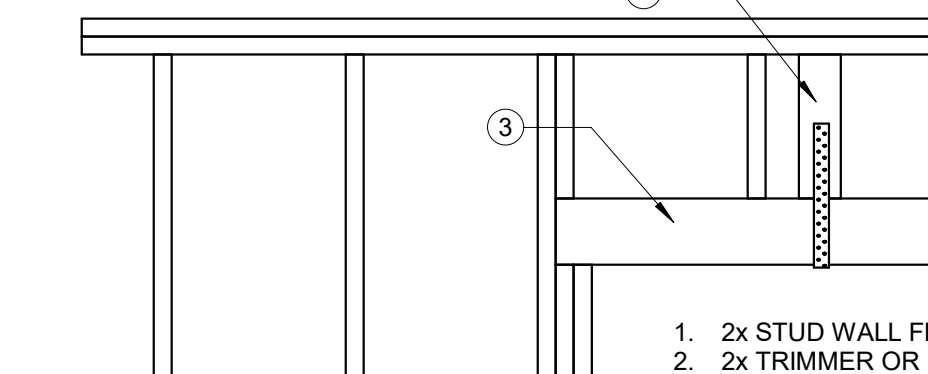
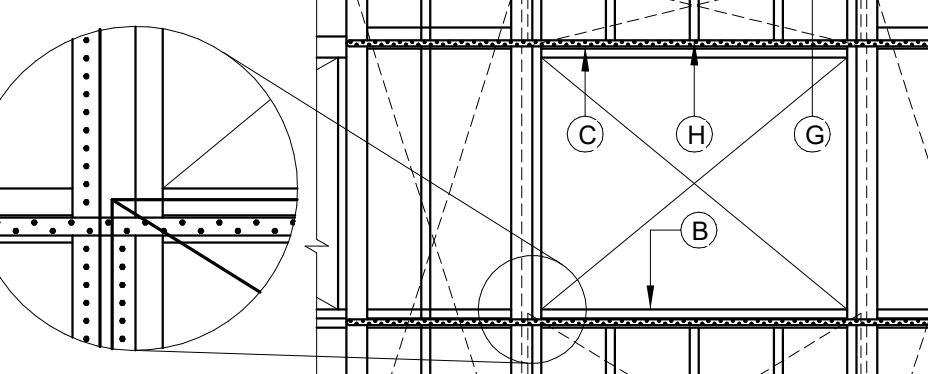
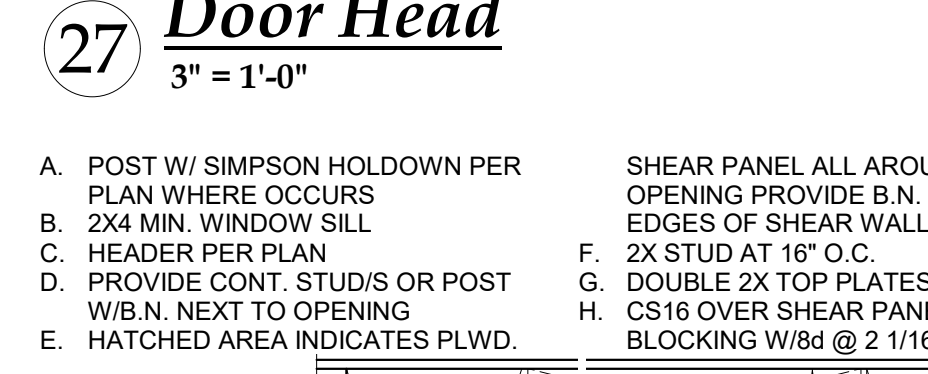
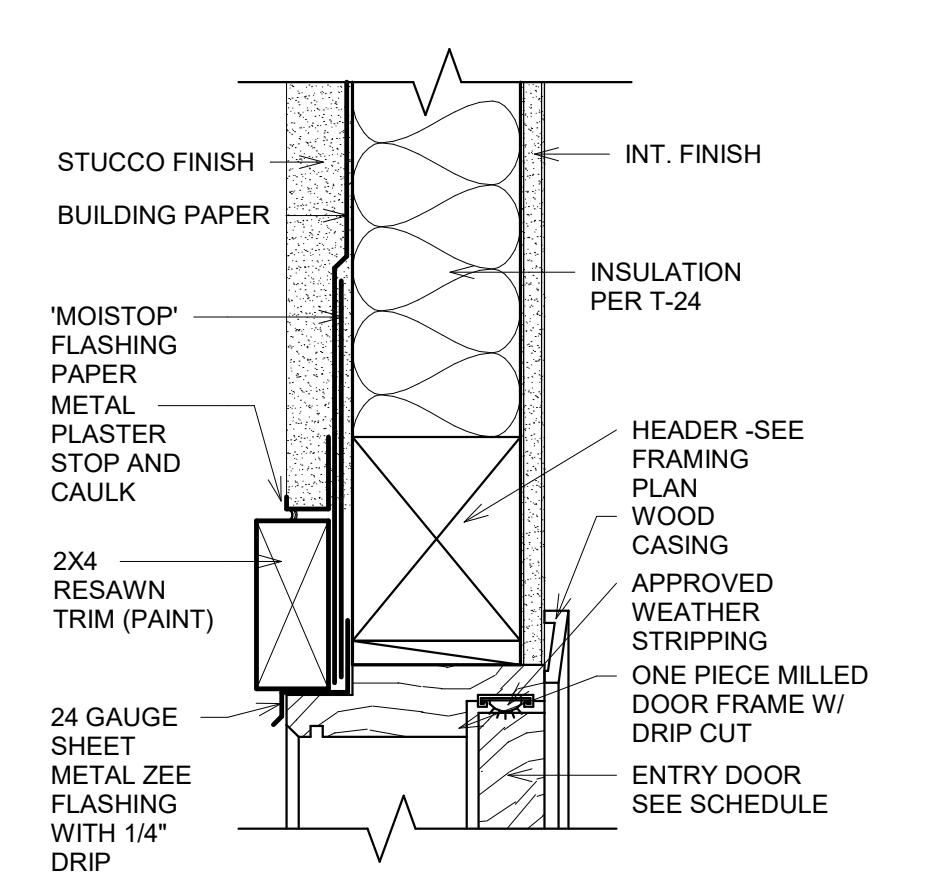
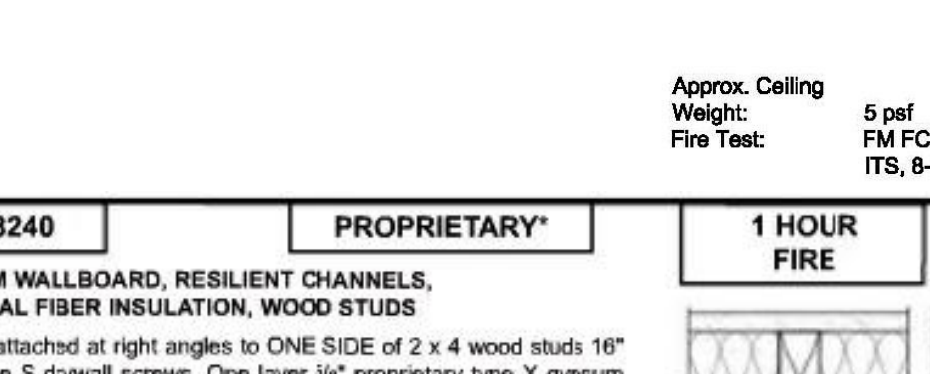
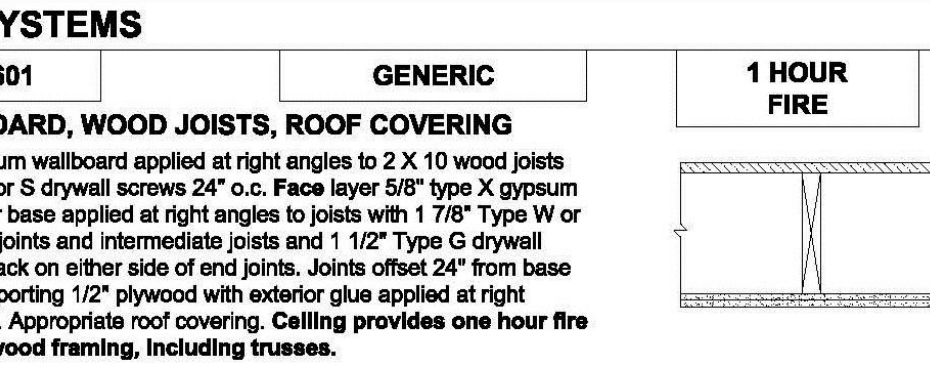
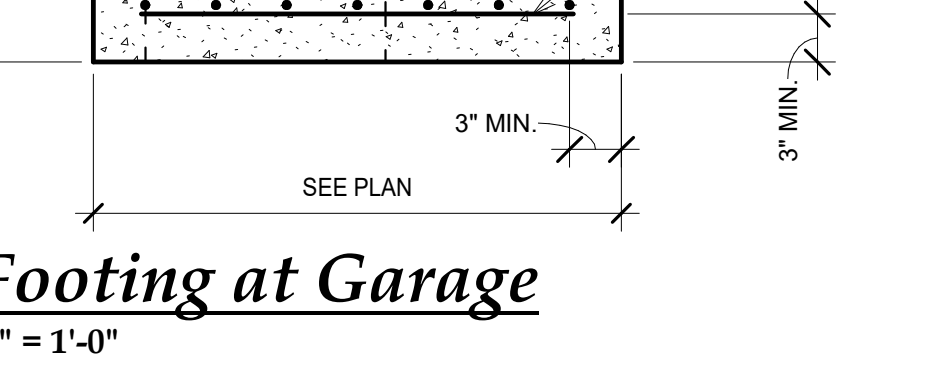
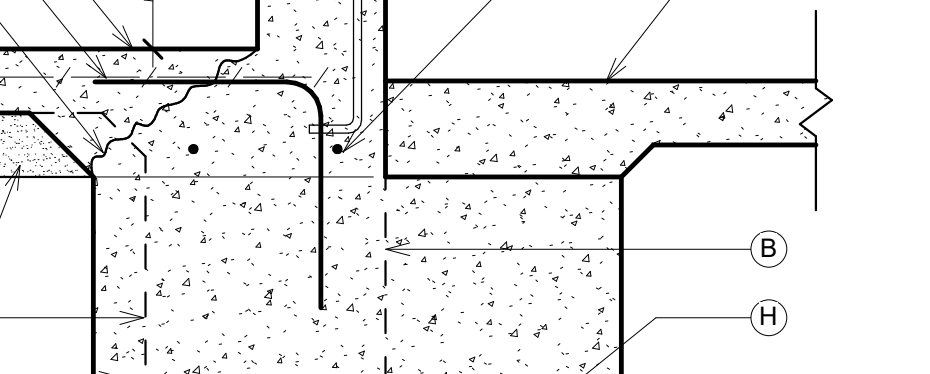
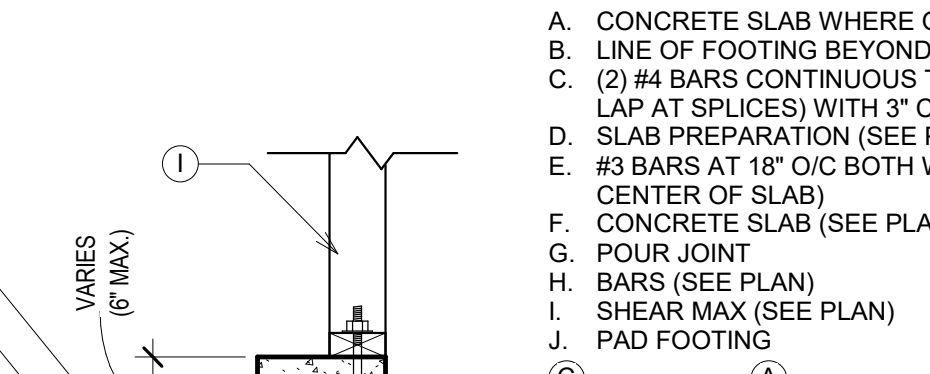
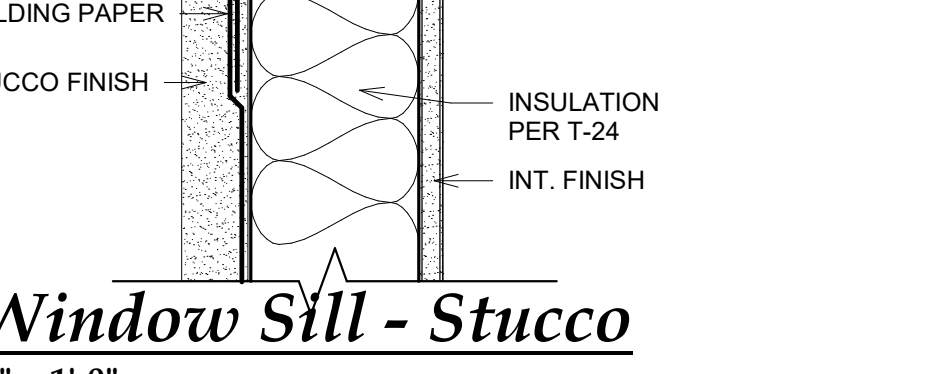
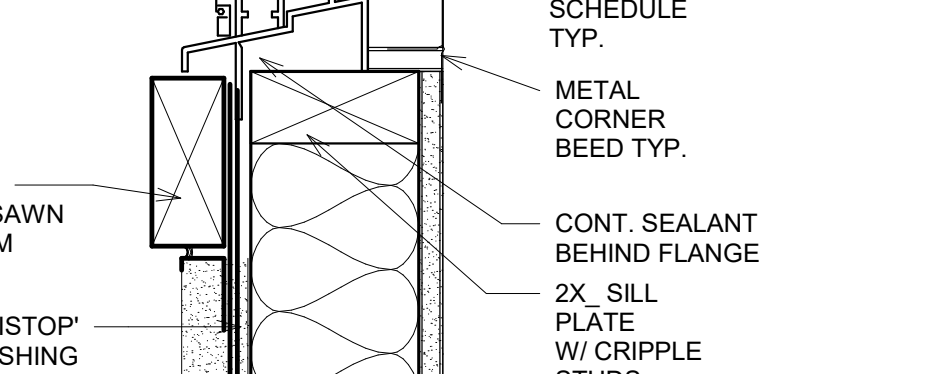
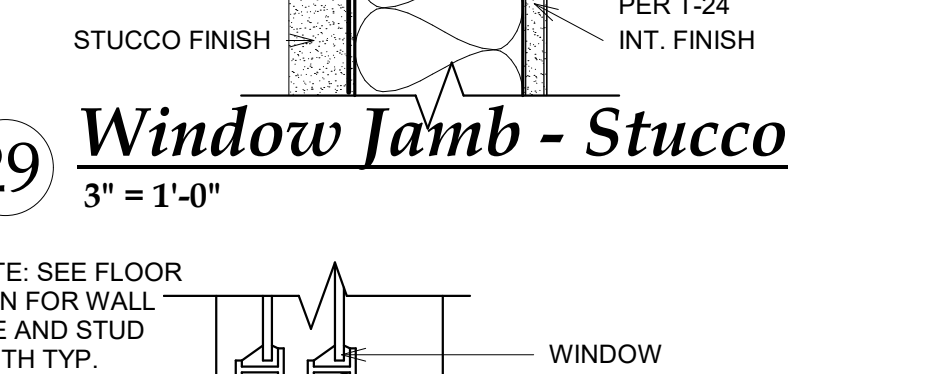
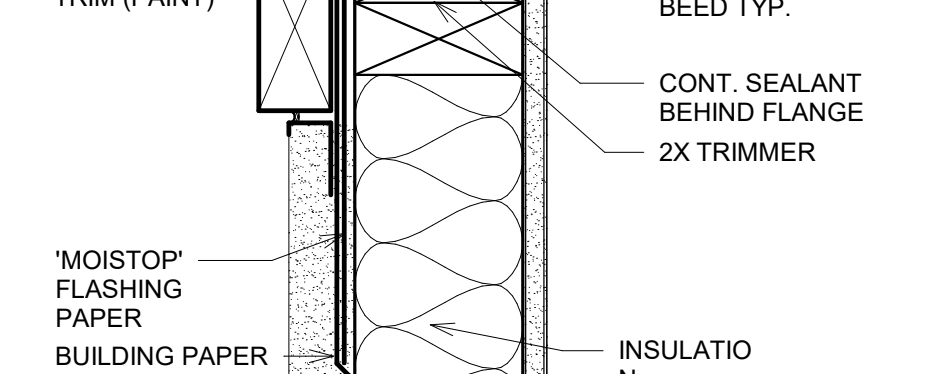
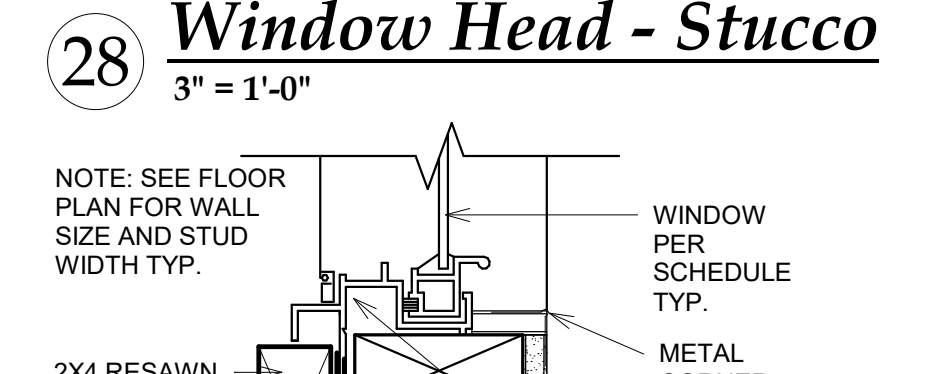
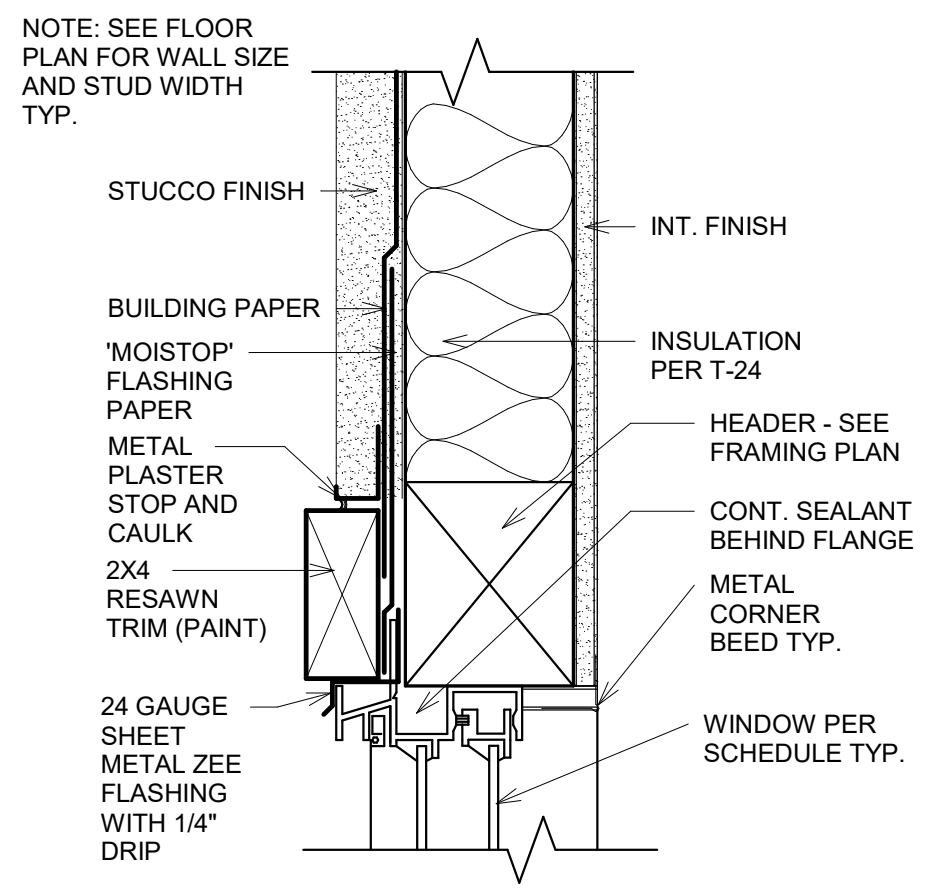
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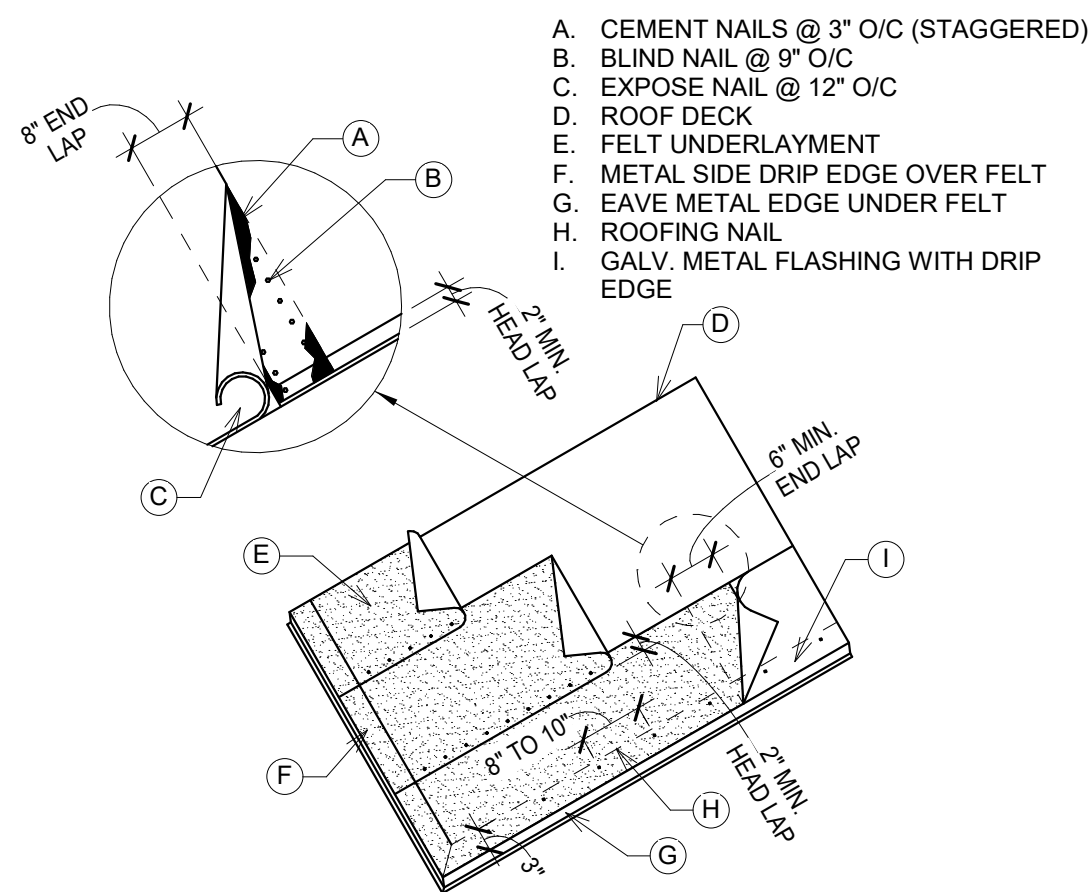
Proposed Single Family Residence For:	
Parthenon Development, LLC	
13024 Via Verrazano, Riverside, CA 92503	
26 Apr. 2022	▲▲
21-4372	▲▲



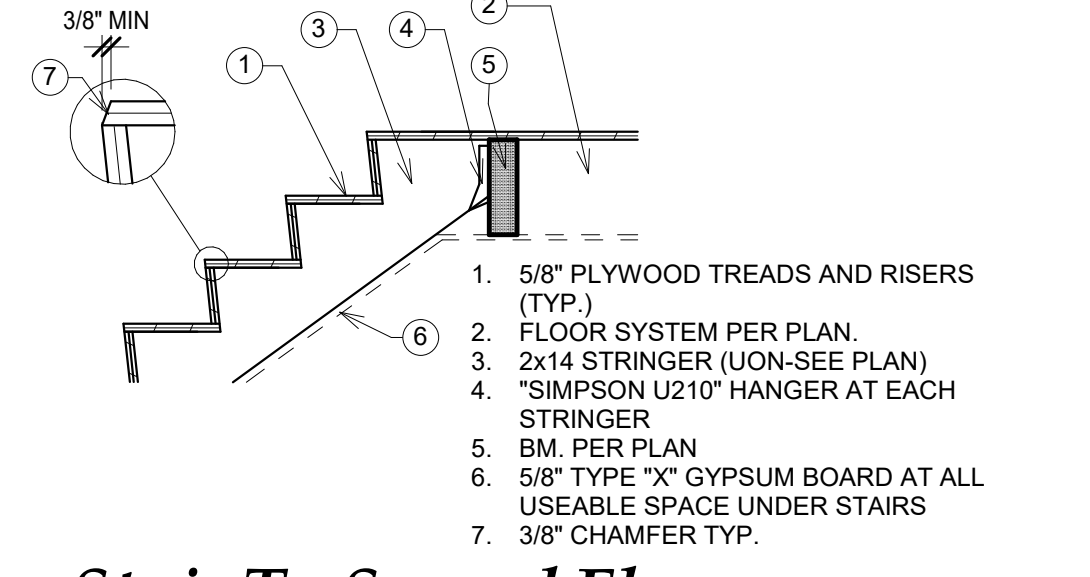
Gas Isometrics

A-8

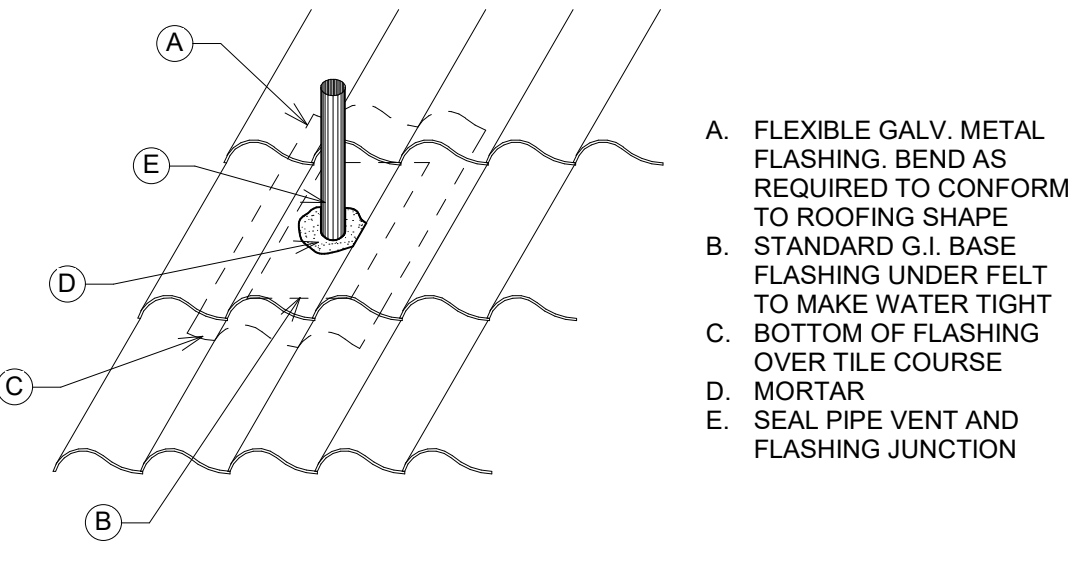




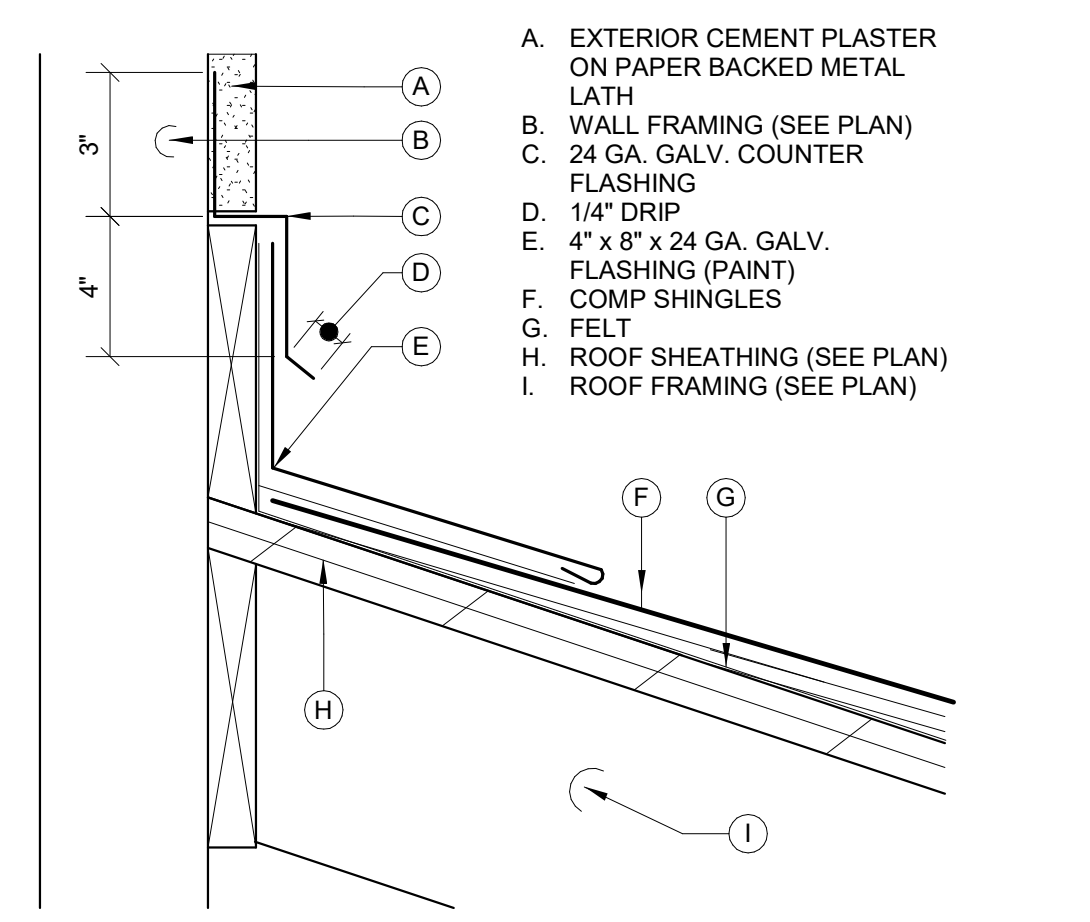
21 Felt Underlayment
 1/2" = 1'-0"



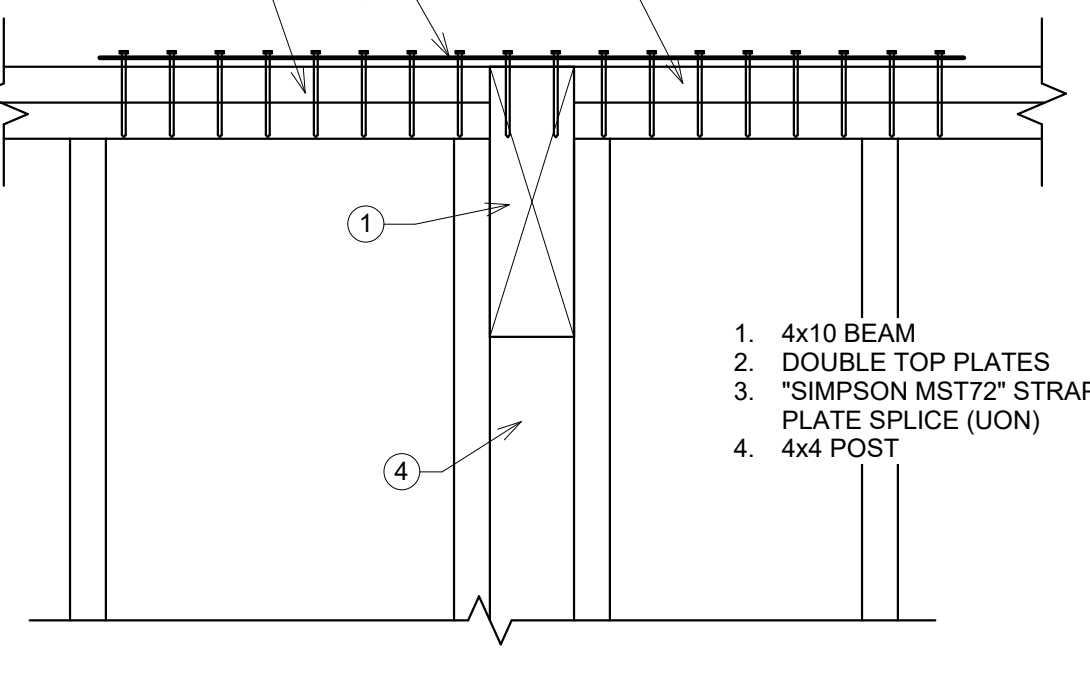
22 Stair To Second Floor
 1/2" = 1'-0"



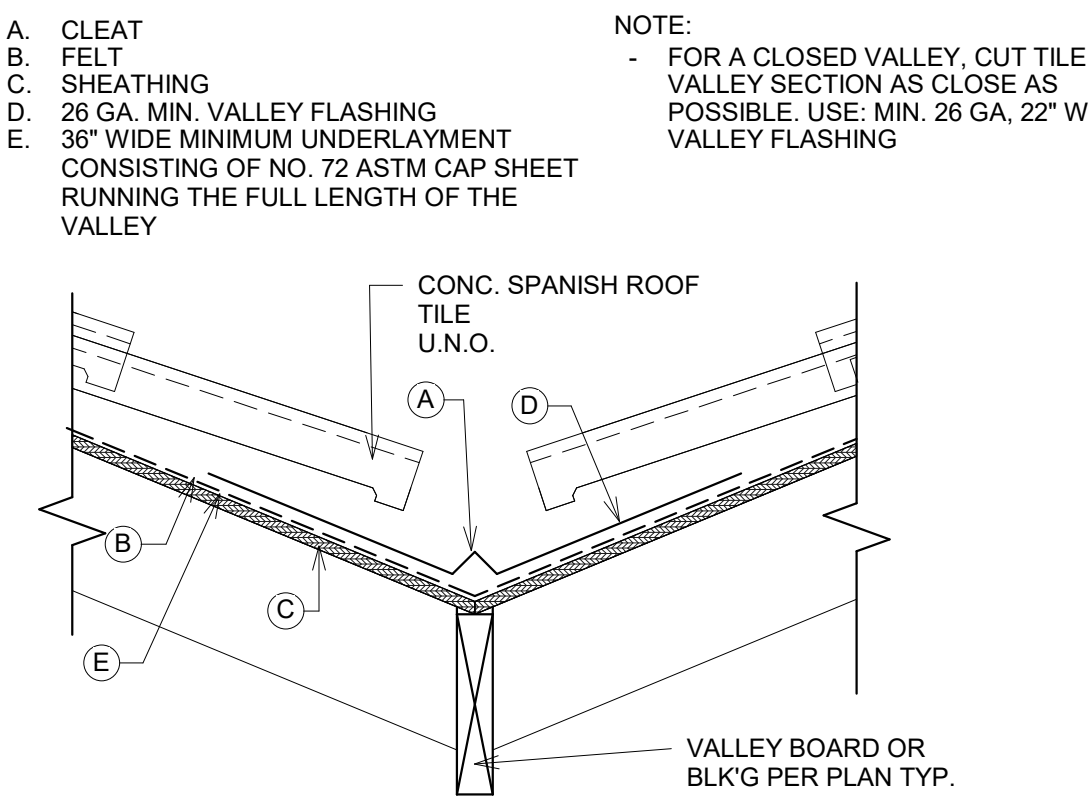
23 Plumbing Vent
 1/4" = 1'-0"



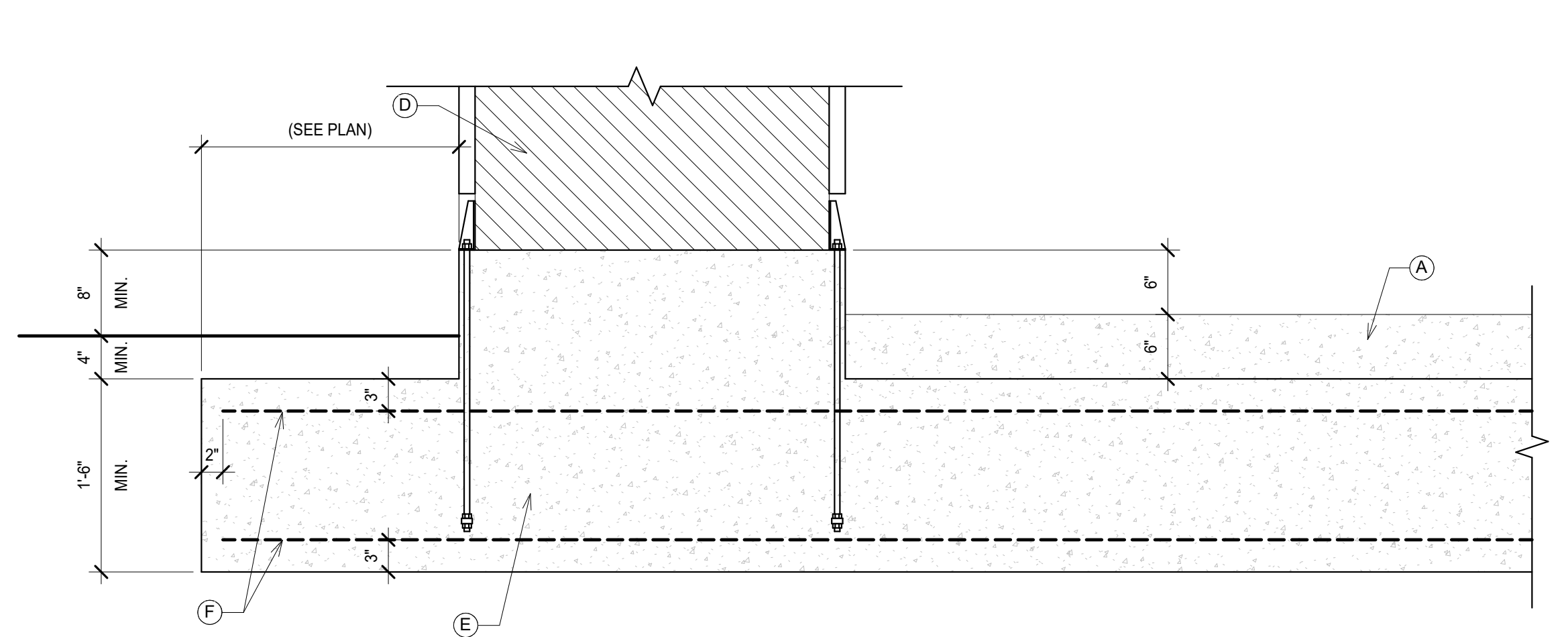
24 Roof To Wall Flashing
 3" = 1'-0"



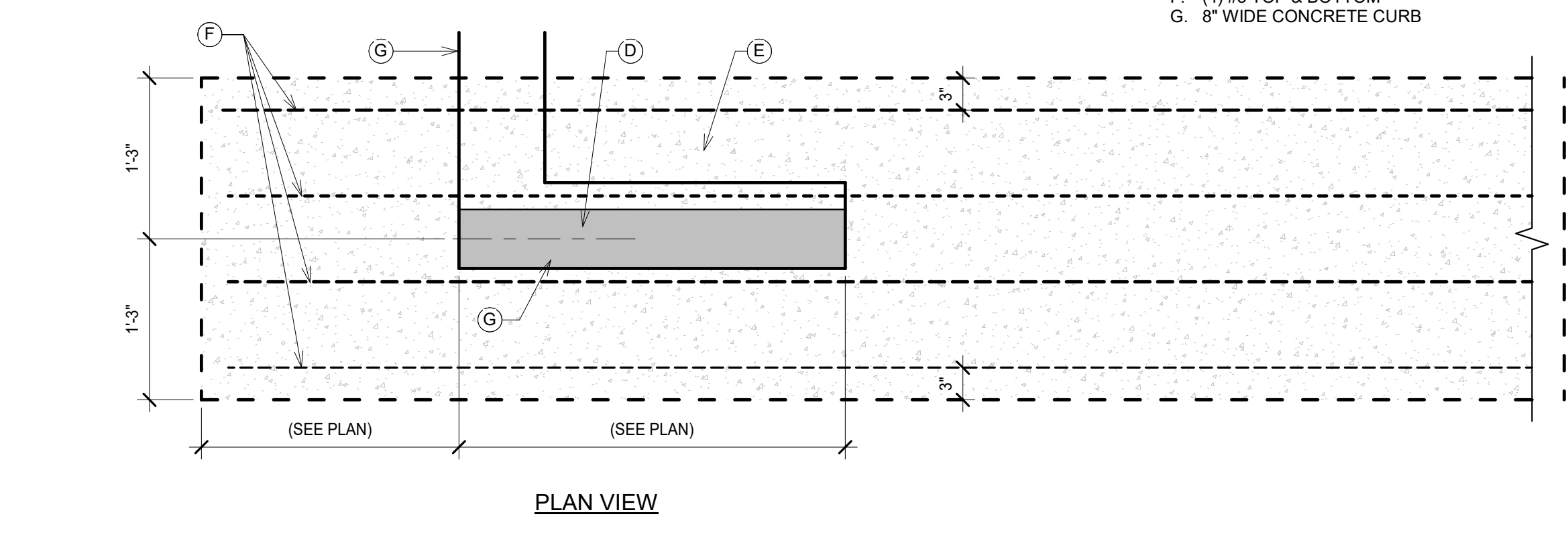
25 Dropped Beam
 1 1/2" = 1'-0"



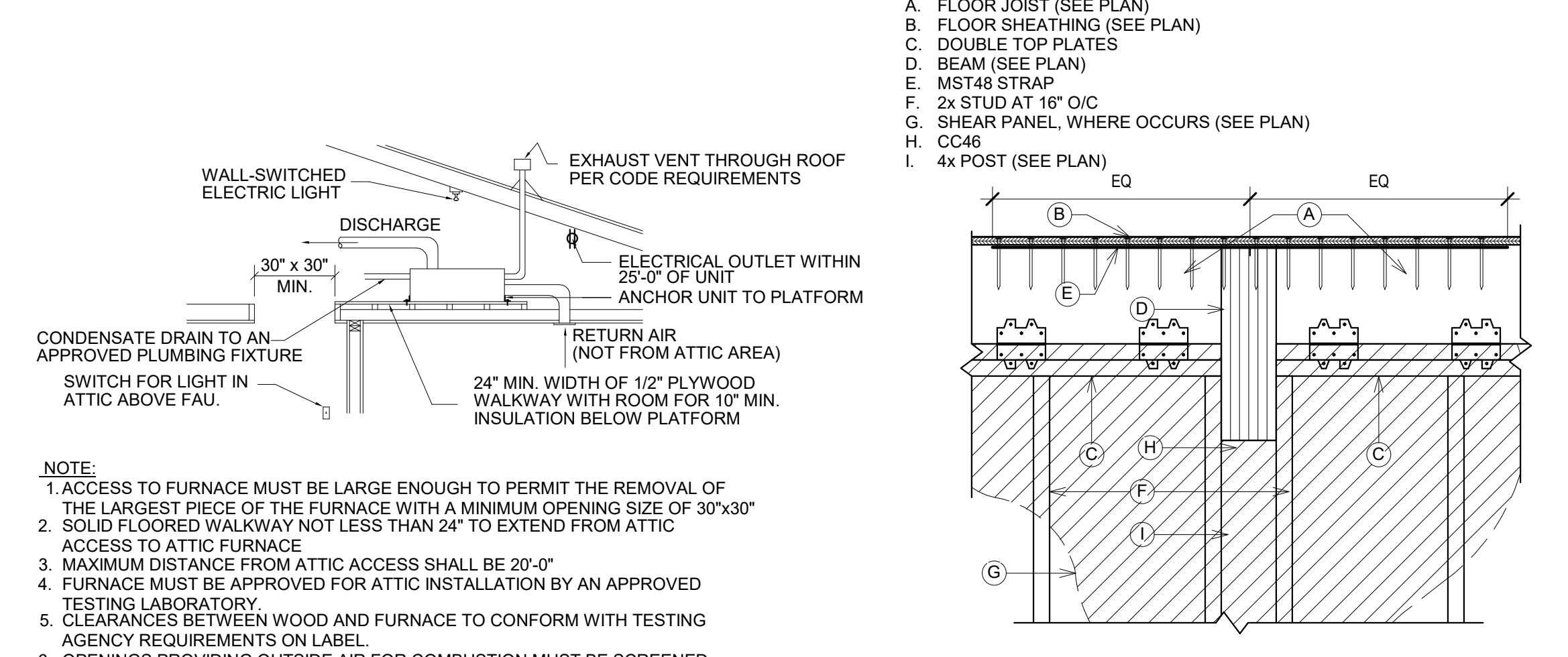
26 Valley Flashing
 1 1/2" = 1'-0"



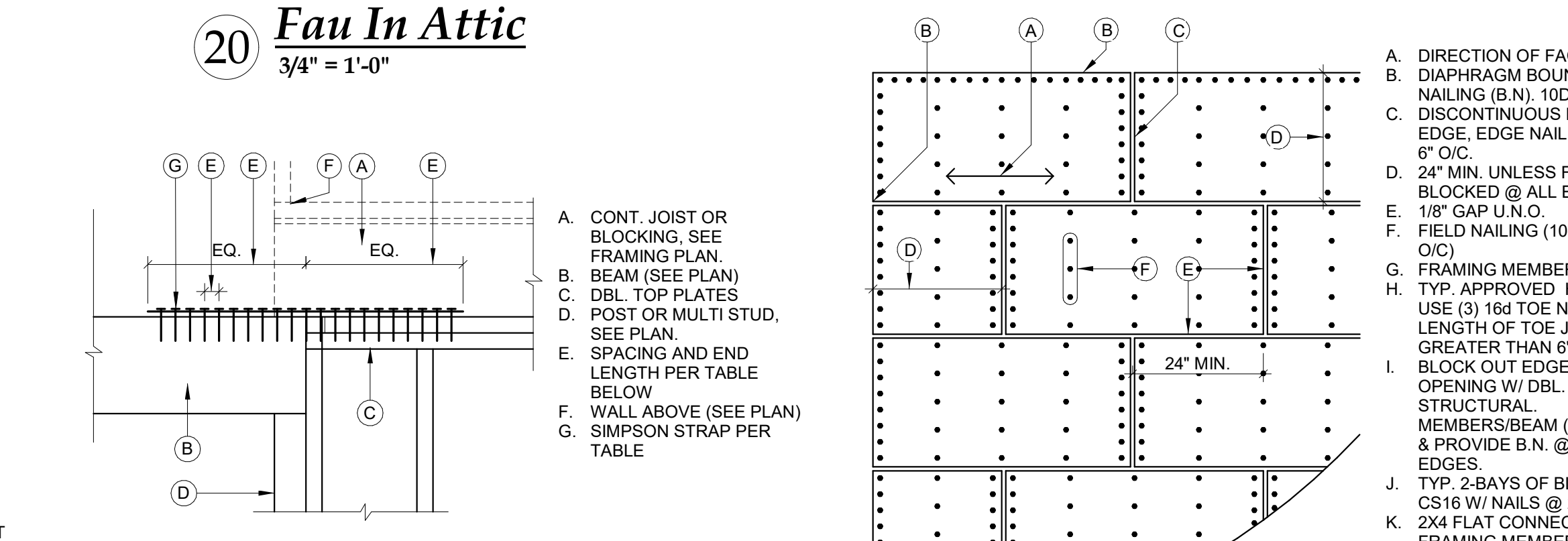
14 Drag Truss
 1/4" = 1'-0"



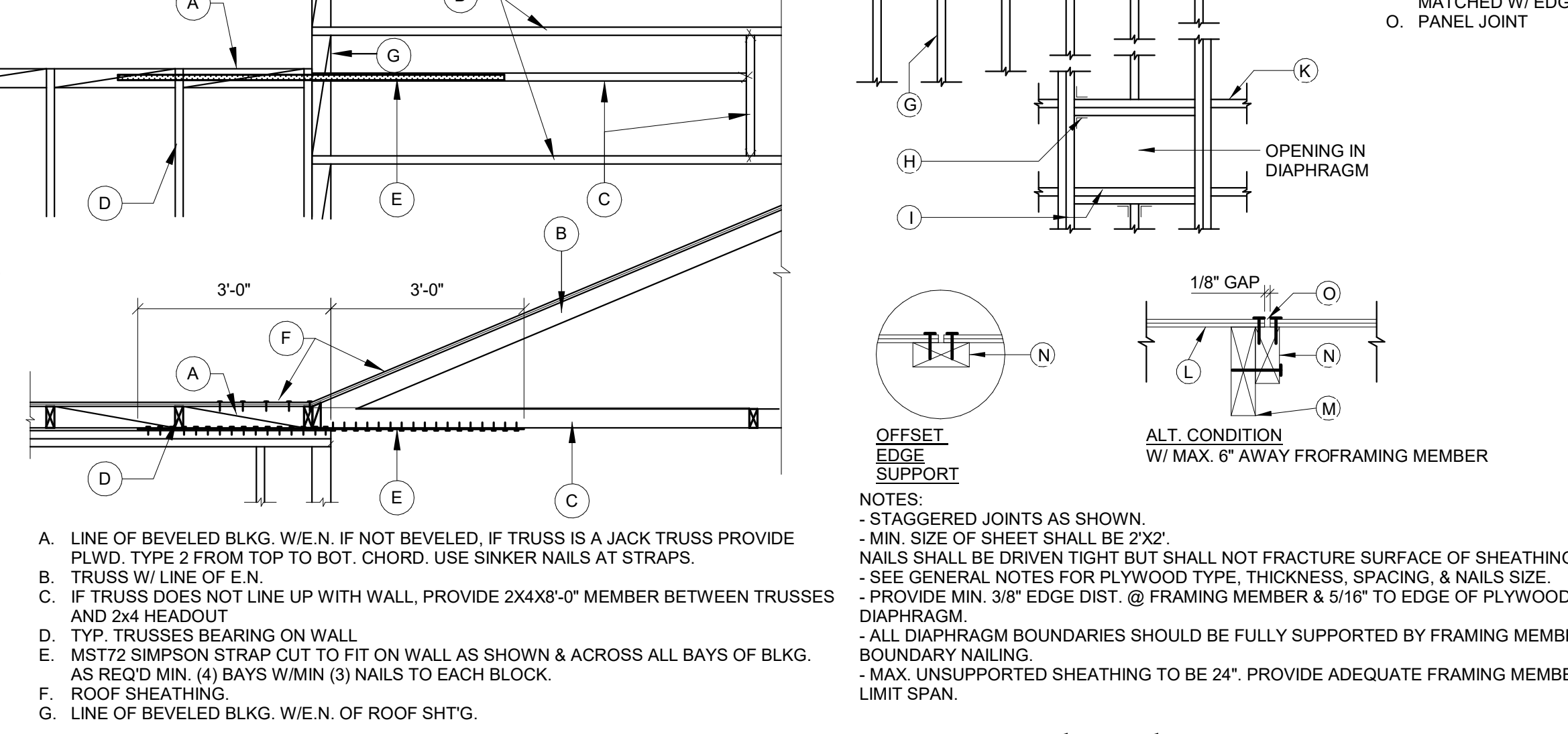
15 Grade Beam
 1" = 1'-0"



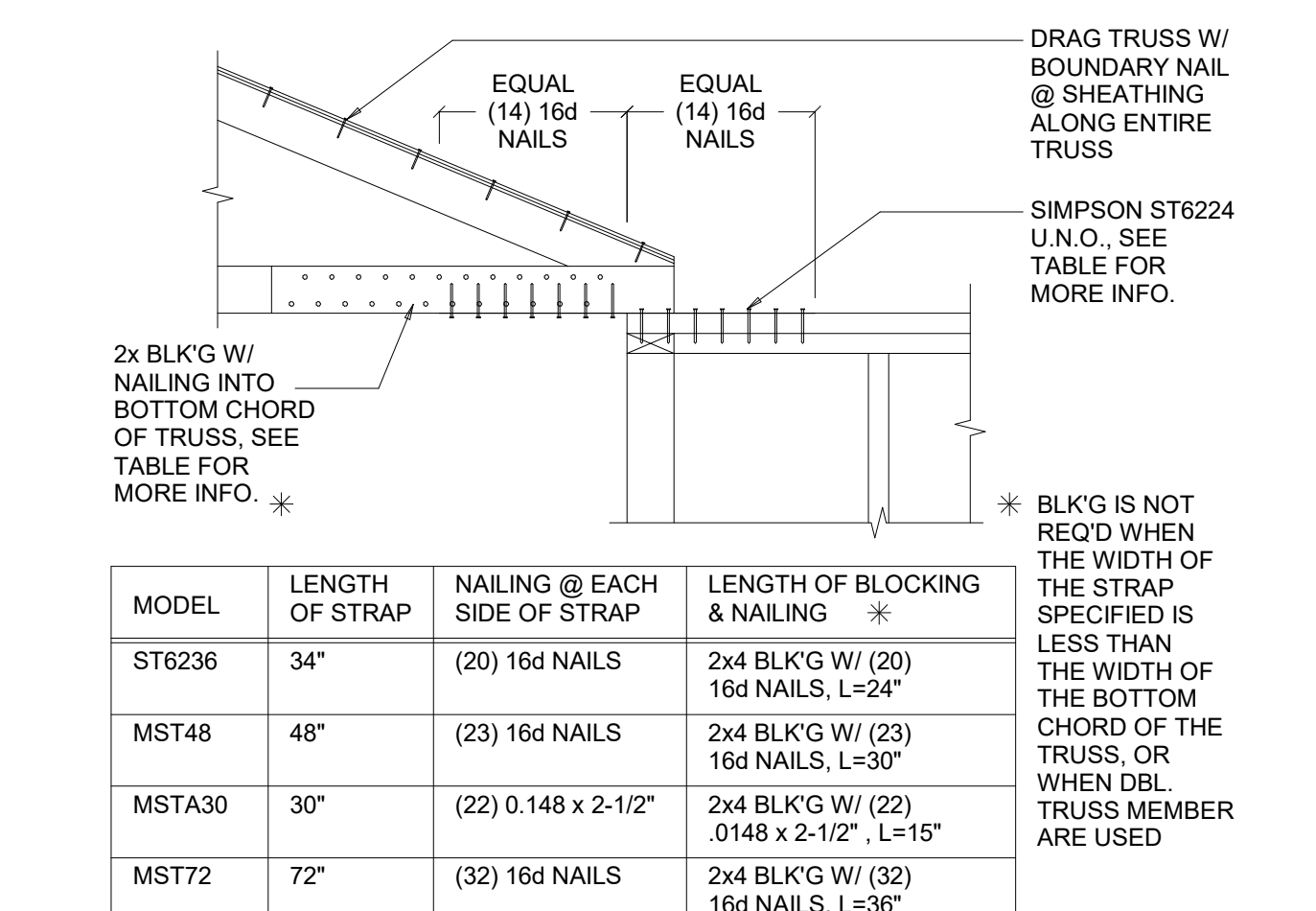
16 Beam Connection
 1" = 1'-0"



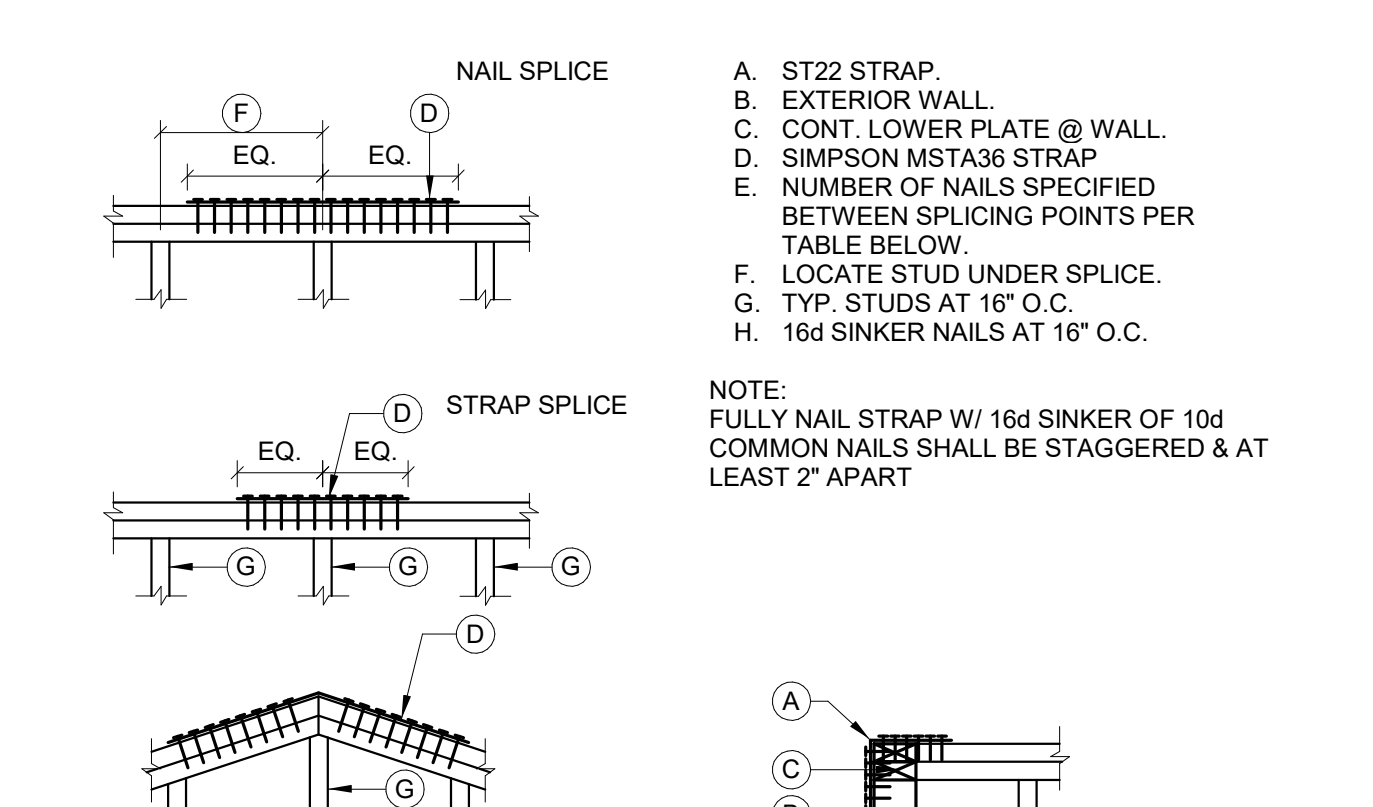
19 Drag Detail
 1" = 1'-0"



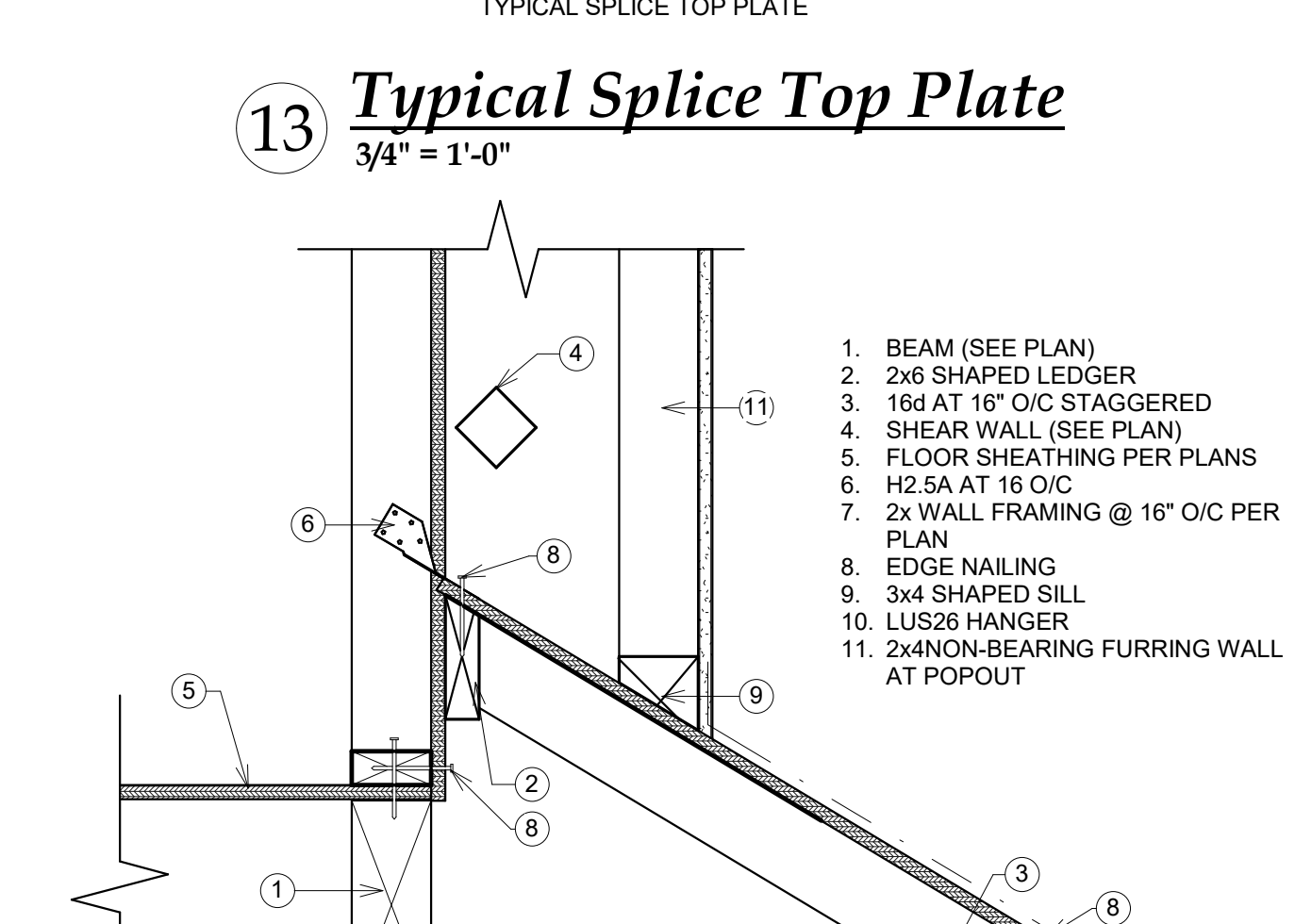
18 Drag Detail
 1/2" = 1'-0"



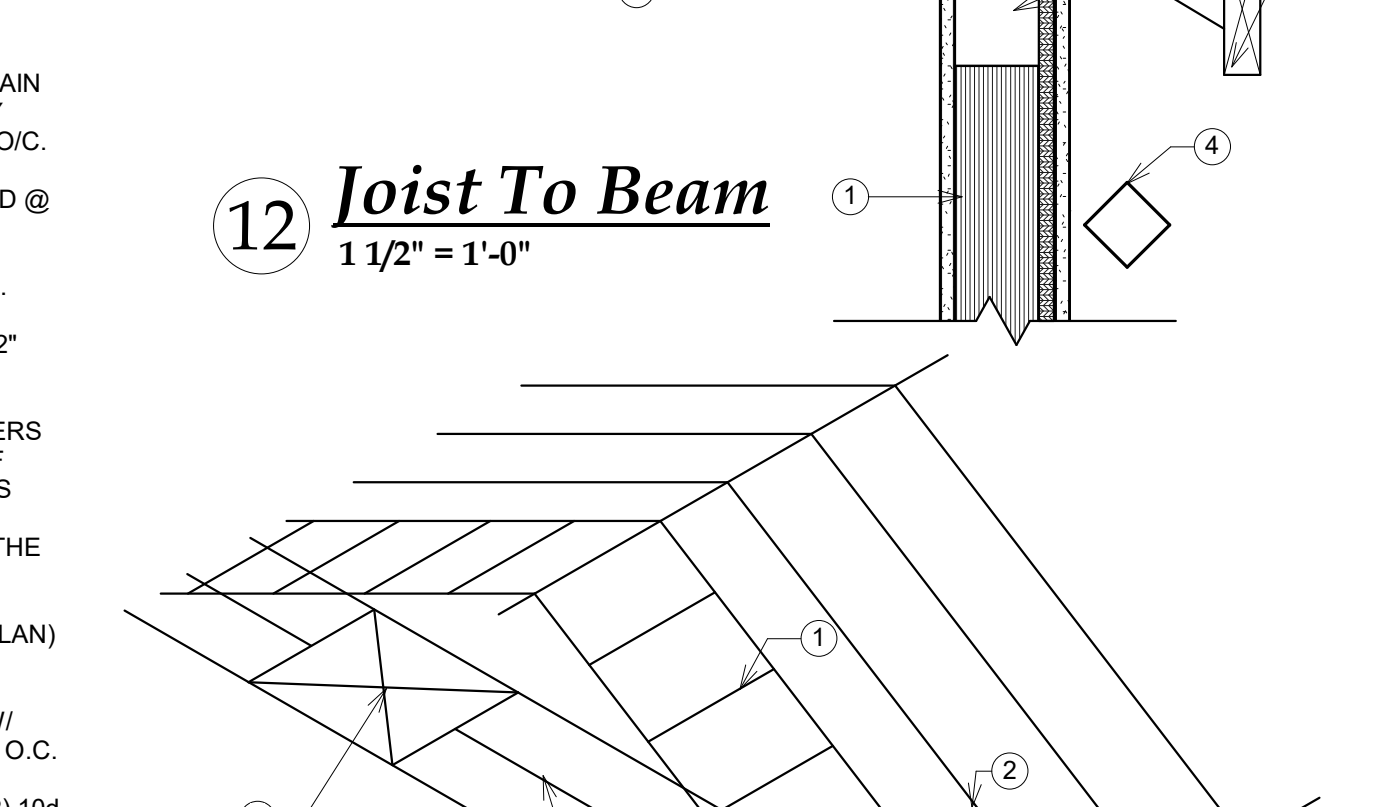
13 Typical Splice Top Plate
 3/4" = 1'-0"



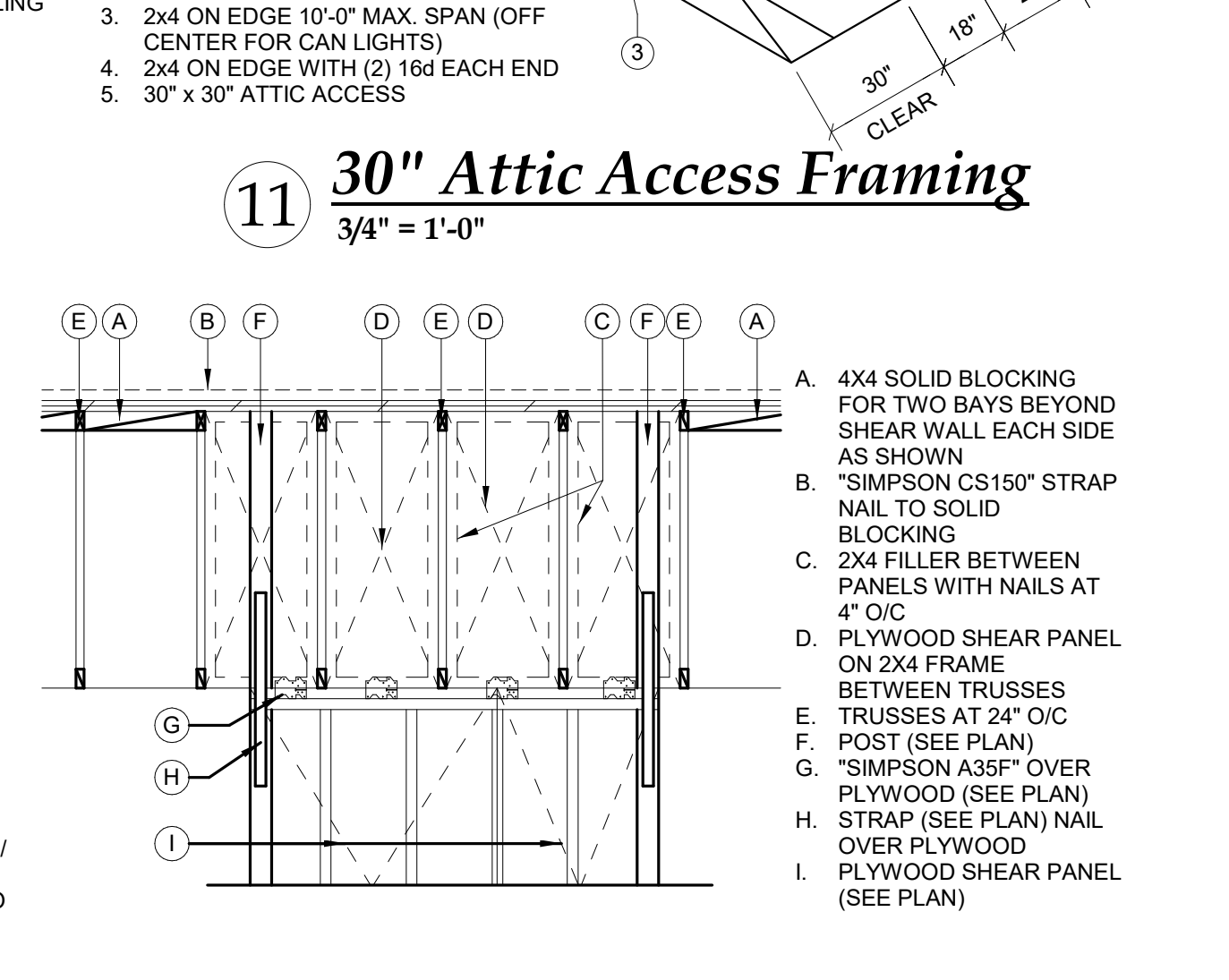
12 Joist To Beam
 1 1/2" = 1'-0"



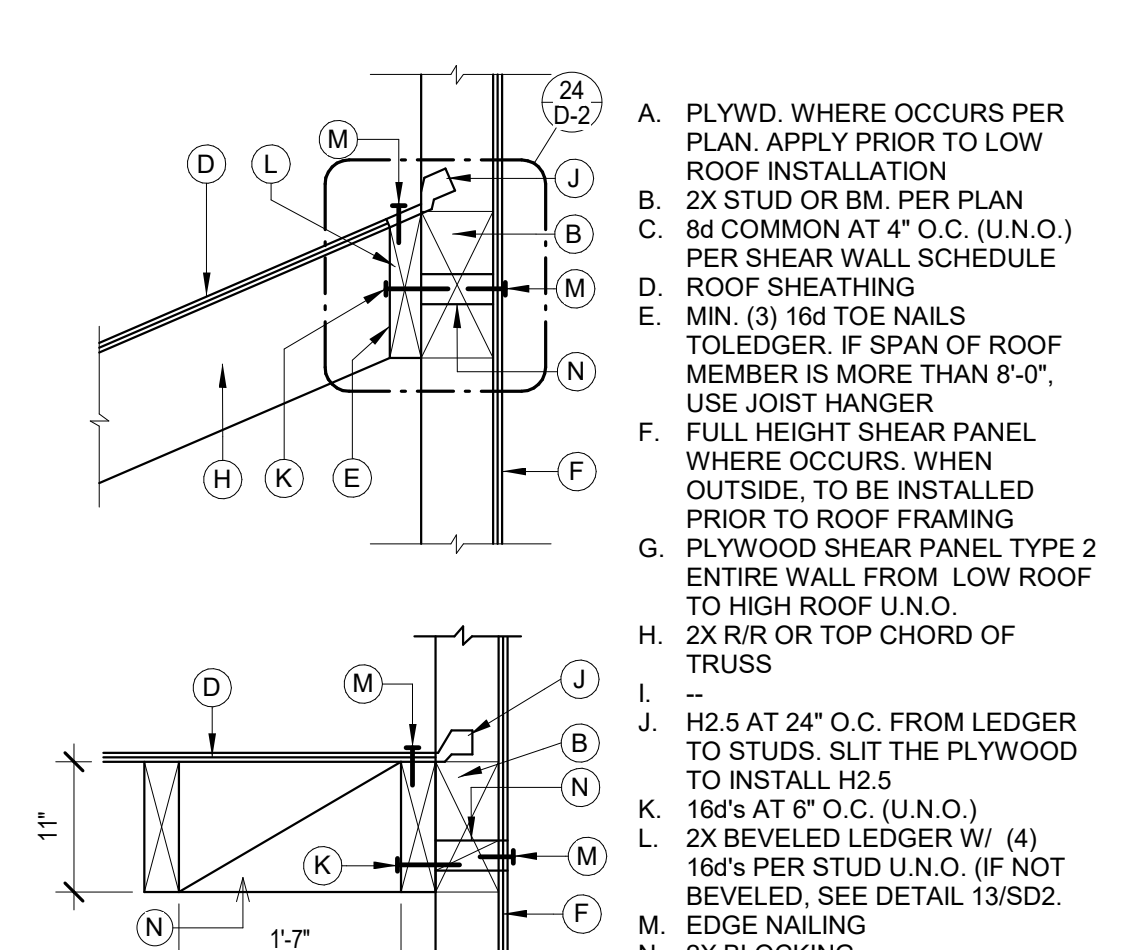
**11 30\"/>
 3/4" = 1'-0"**



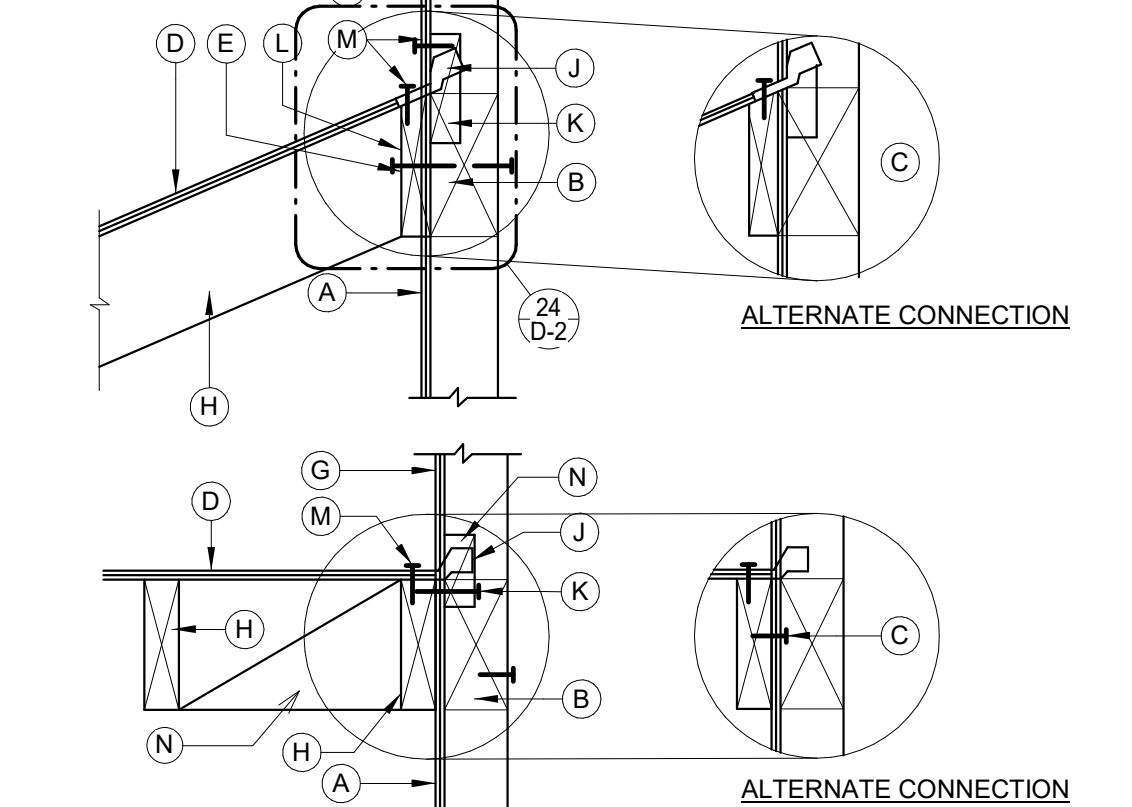
17 Sheathing Layout
 1/2" = 1'-0"



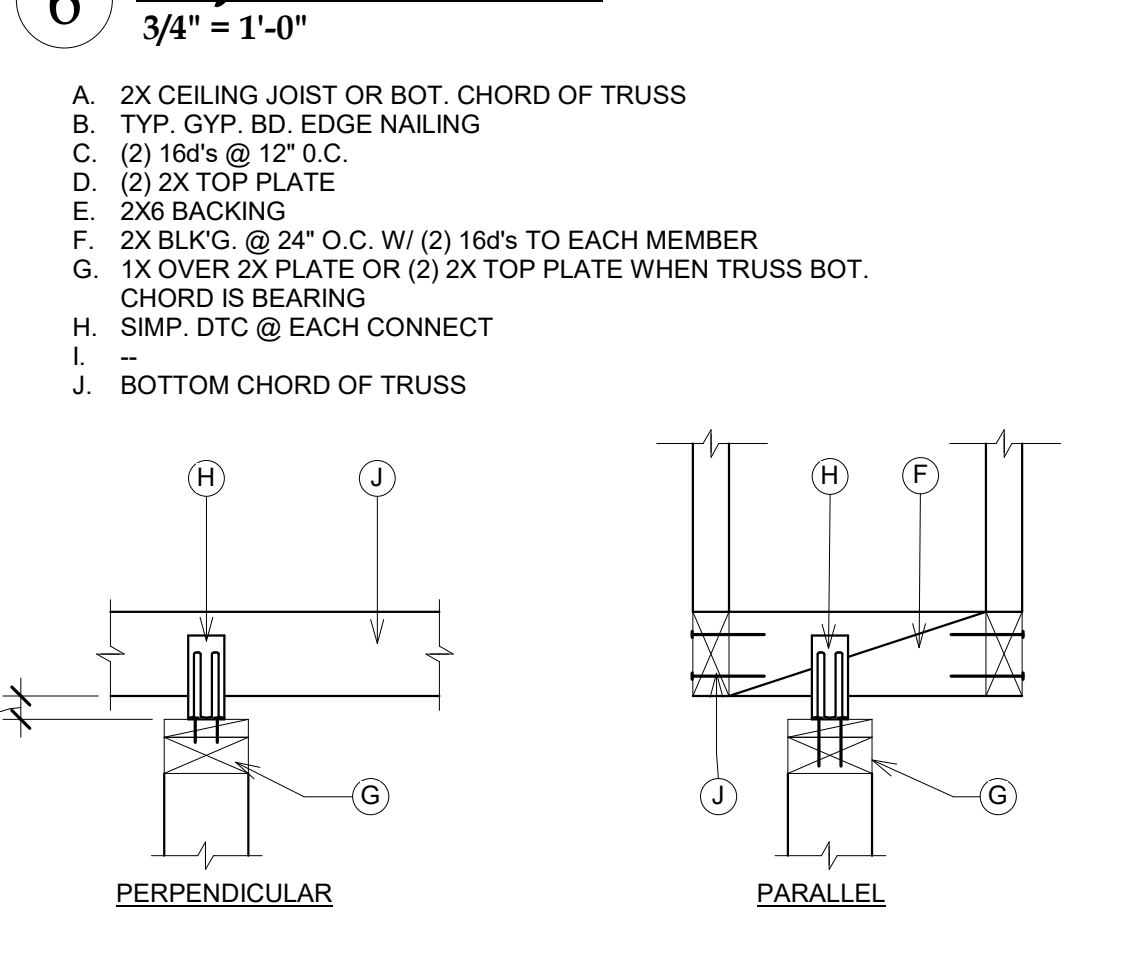
10 Shear Wall To Roof
 3/8" = 1'-0"



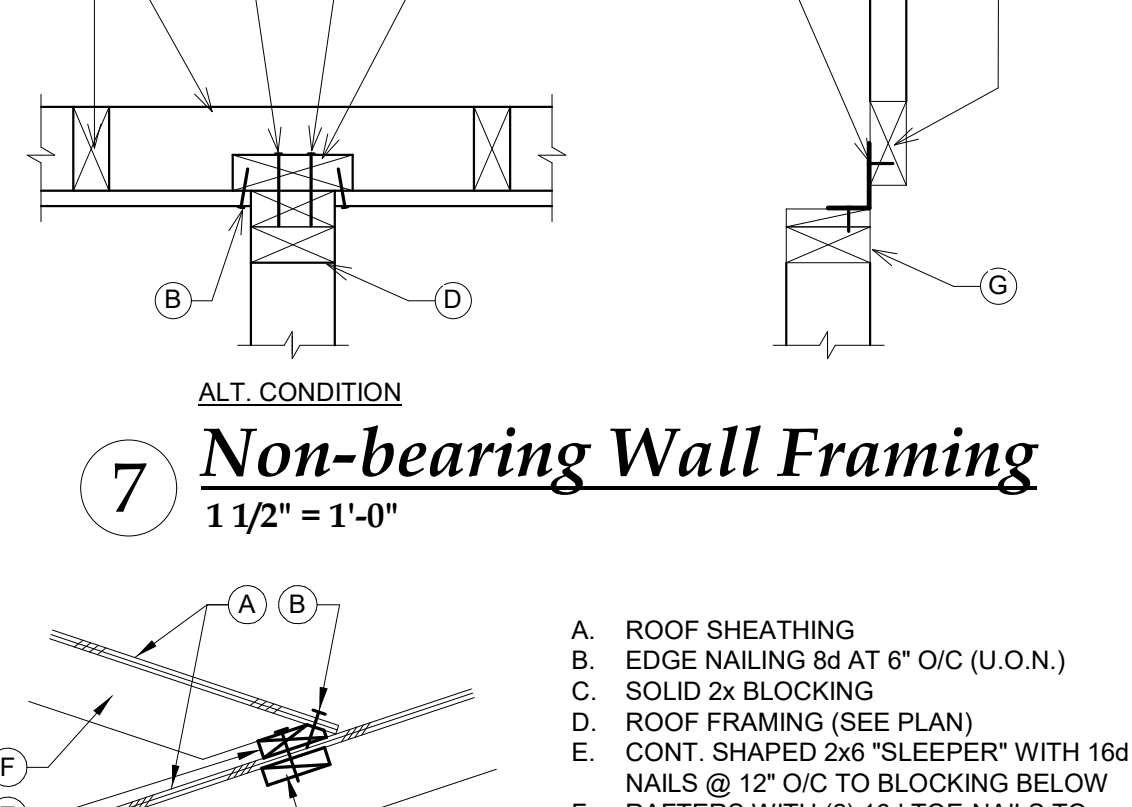
6 Rafter To Wall
 3/4" = 1'-0"



7 Non-bearing Wall Framing
 1 1/2" = 1'-0"



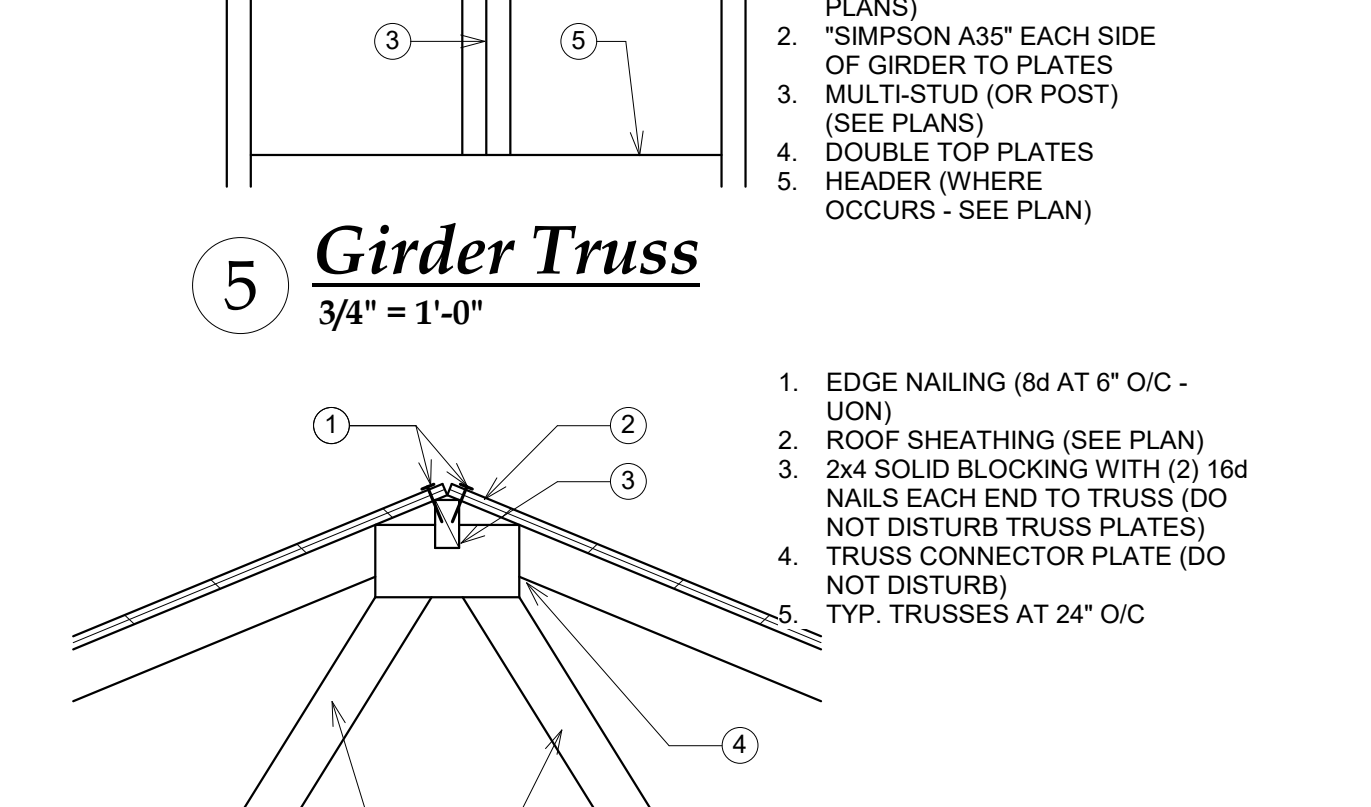
8 California Framing
 3/4" = 1'-0"



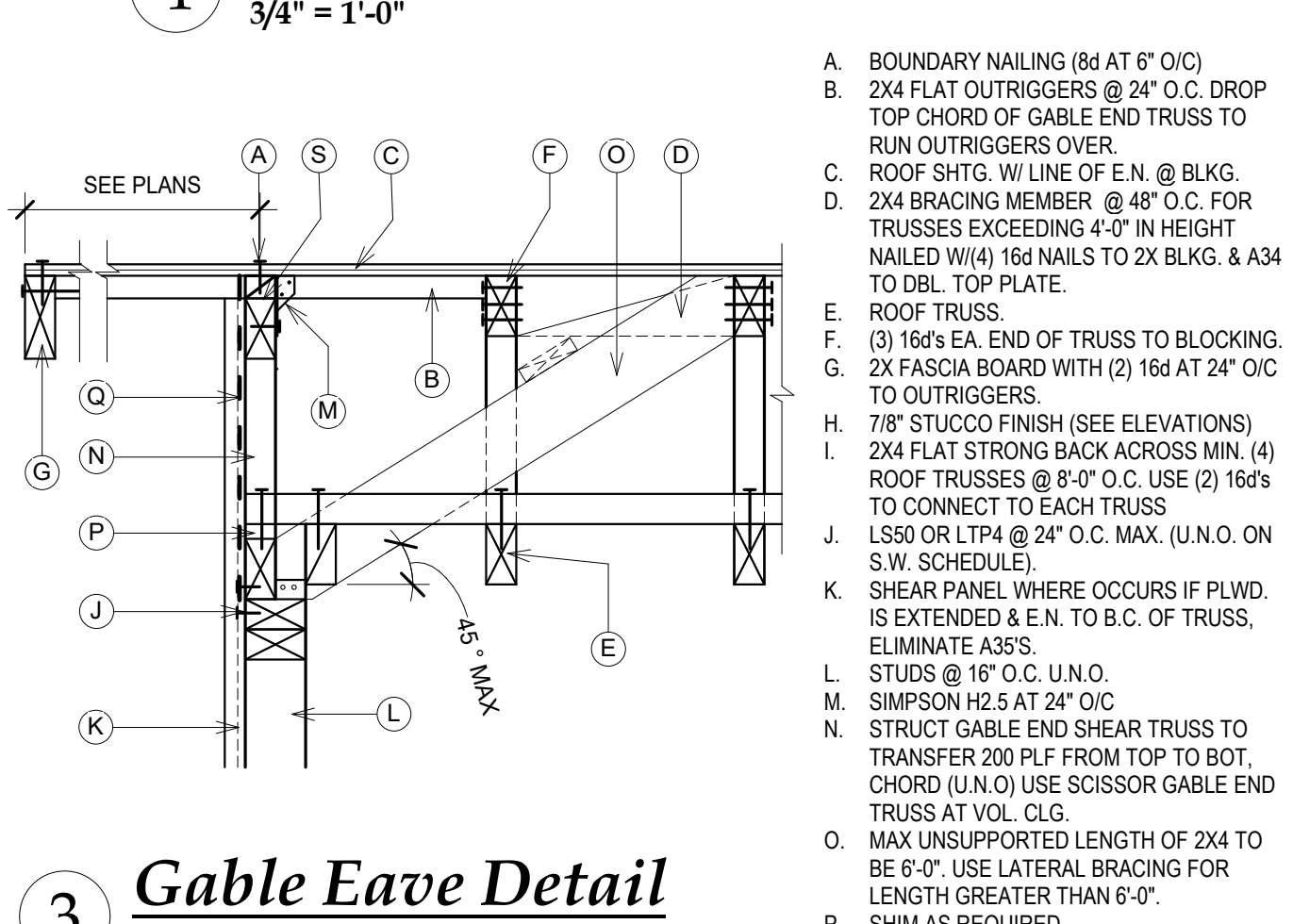
9 Guardrail
 1 1/2" = 1'-0"



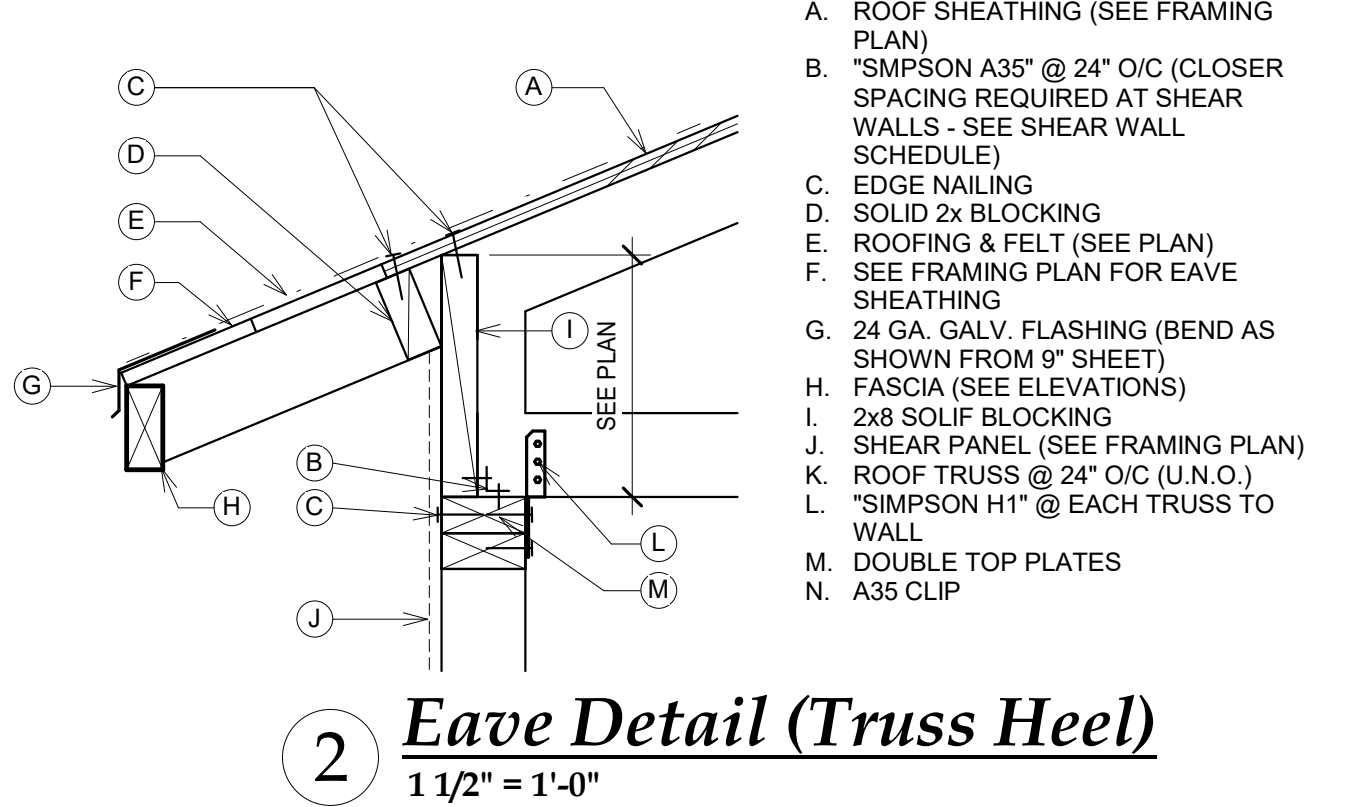
5 Girder Truss
 3/4" = 1'-0"



4 Ridge Blocking
 3/4" = 1'-0"



3 Gable Eave Detail
 1" = 1'-0"



2 Eave Detail (Truss Heel)
 1 1/2" = 1'-0"



1 Eave Detail
 1 1/2" = 1'-0"

Proposed Single Family Residence For:
Parthenon Development, LLC
 13024 Via Verrazano, Riverside, CA 92503
 26 Apr. 2022 26 Apr. 2022 P.C.C.
 21-4372

C:\Users\JonathanBallesteros\Andresen Architecture Inc\AA1 - Access\Projects 4 - Projects 2020-2029\2021 21-4372 Russo's Lot 55 SFR - Lot 55 SFR - John Russo.rvt
 5/19/2022 12:27:19 PM
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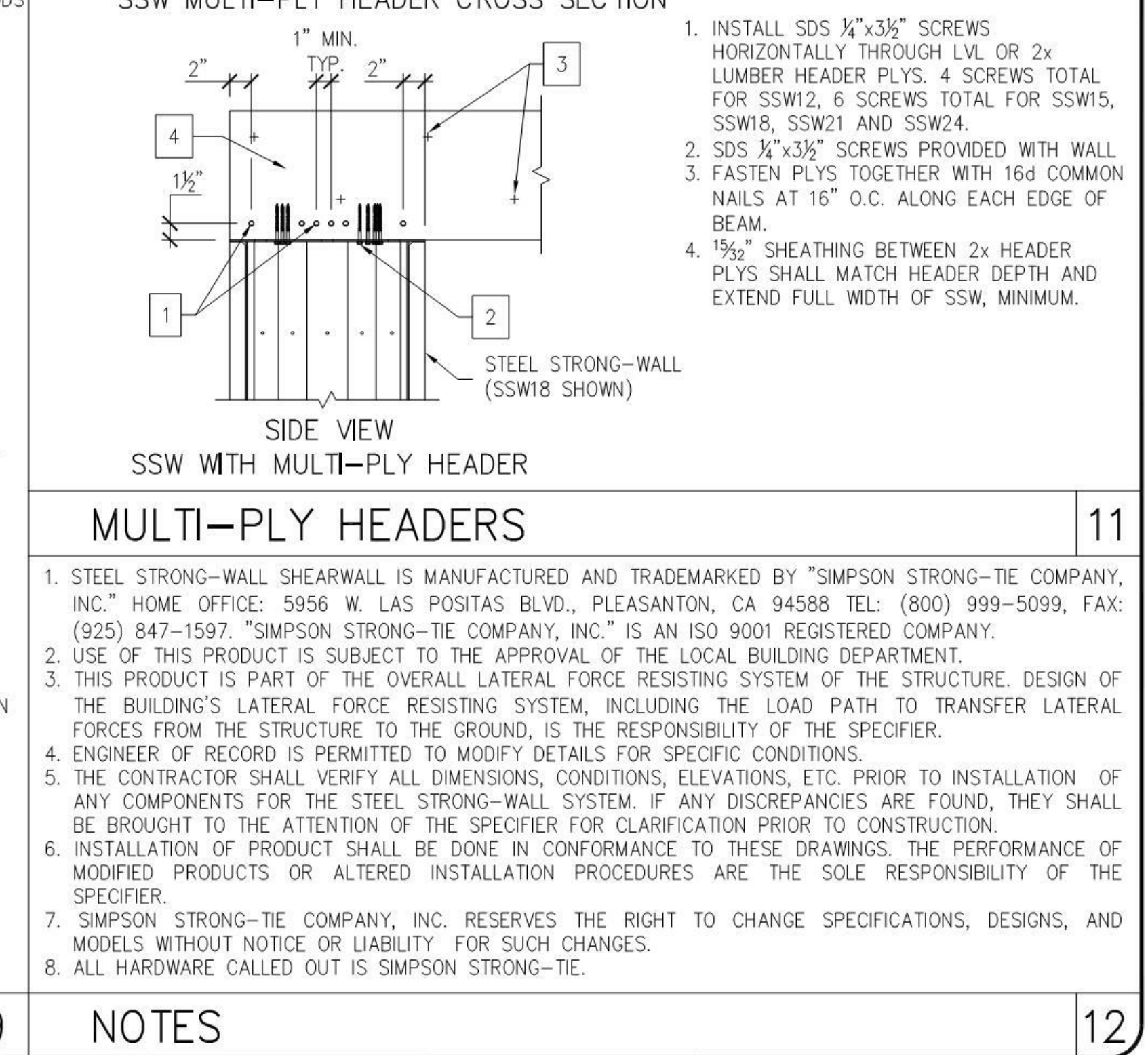
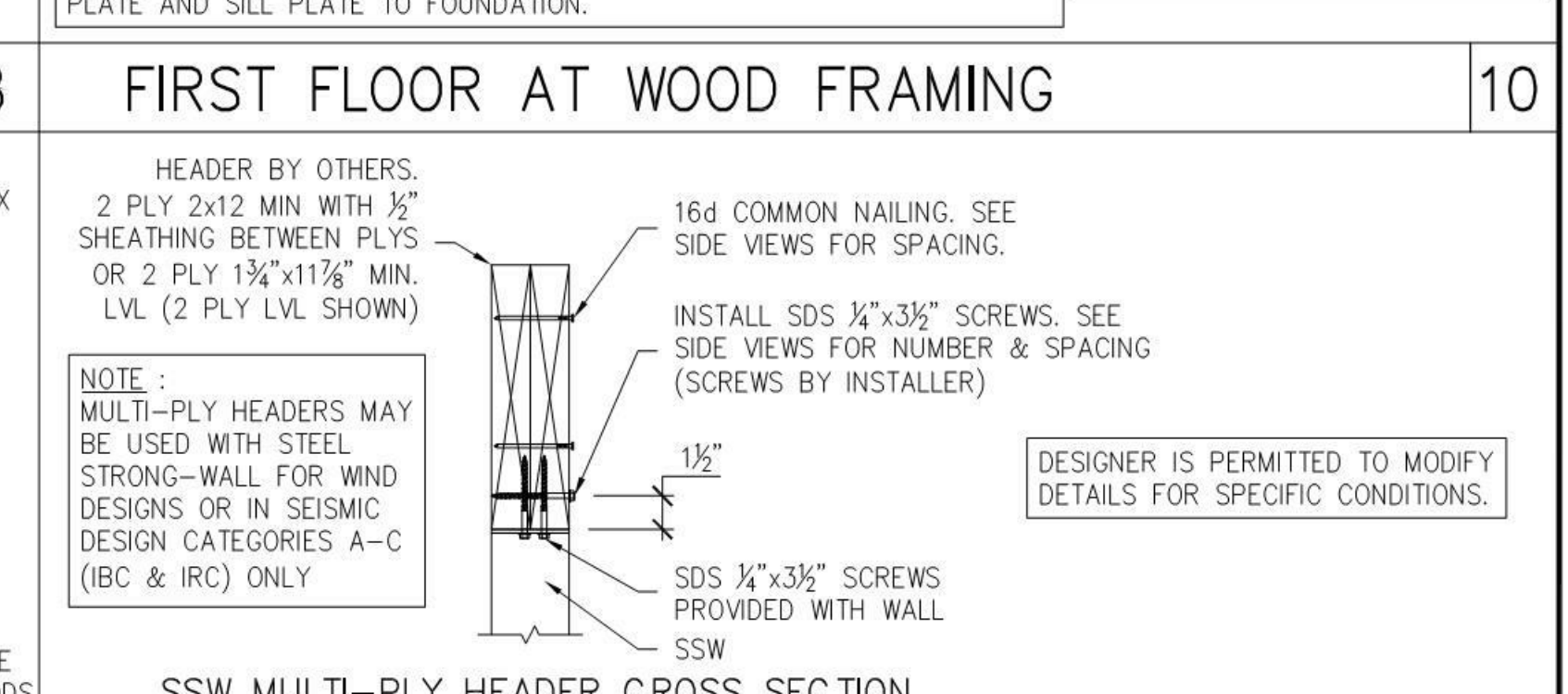
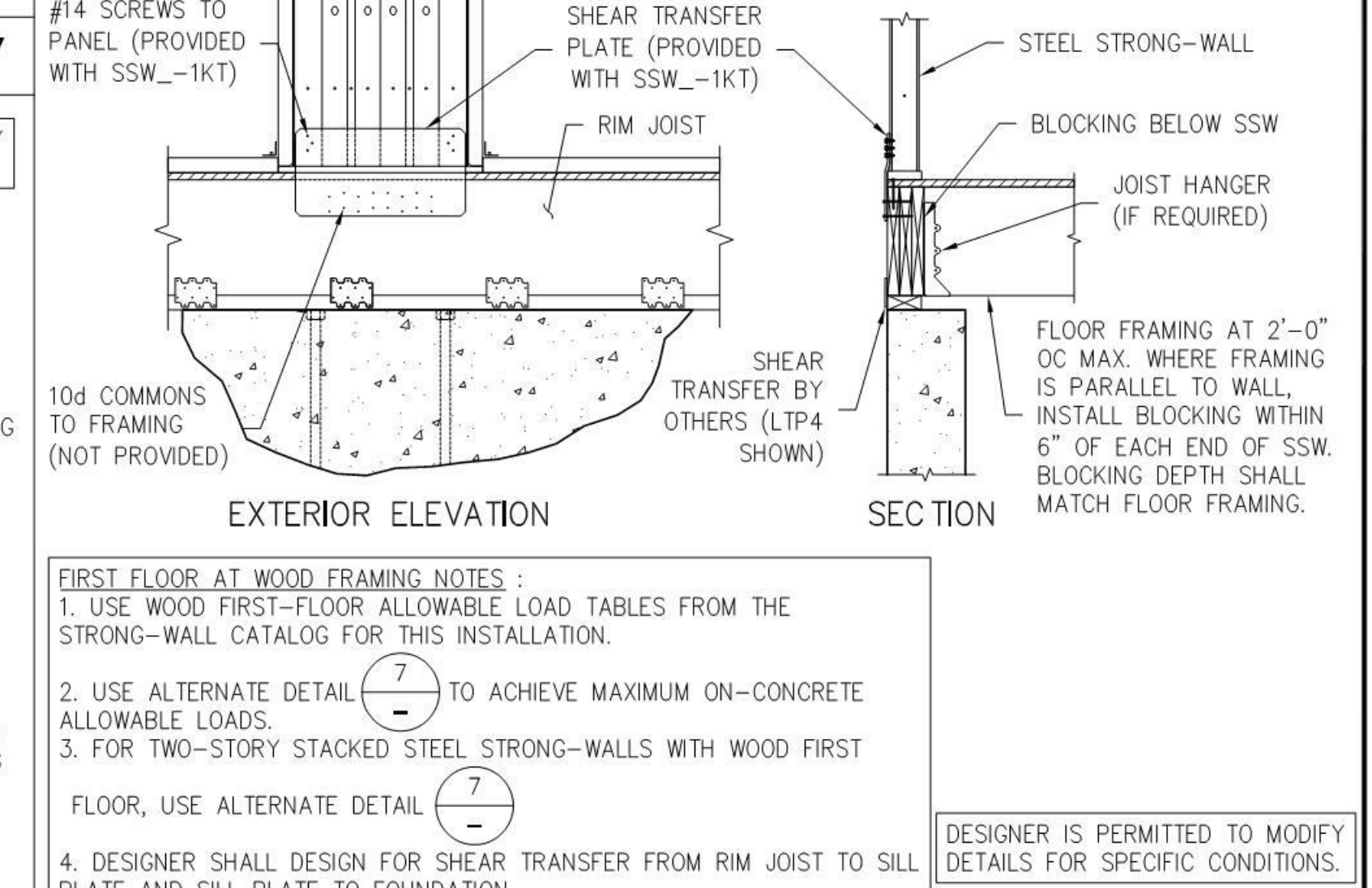
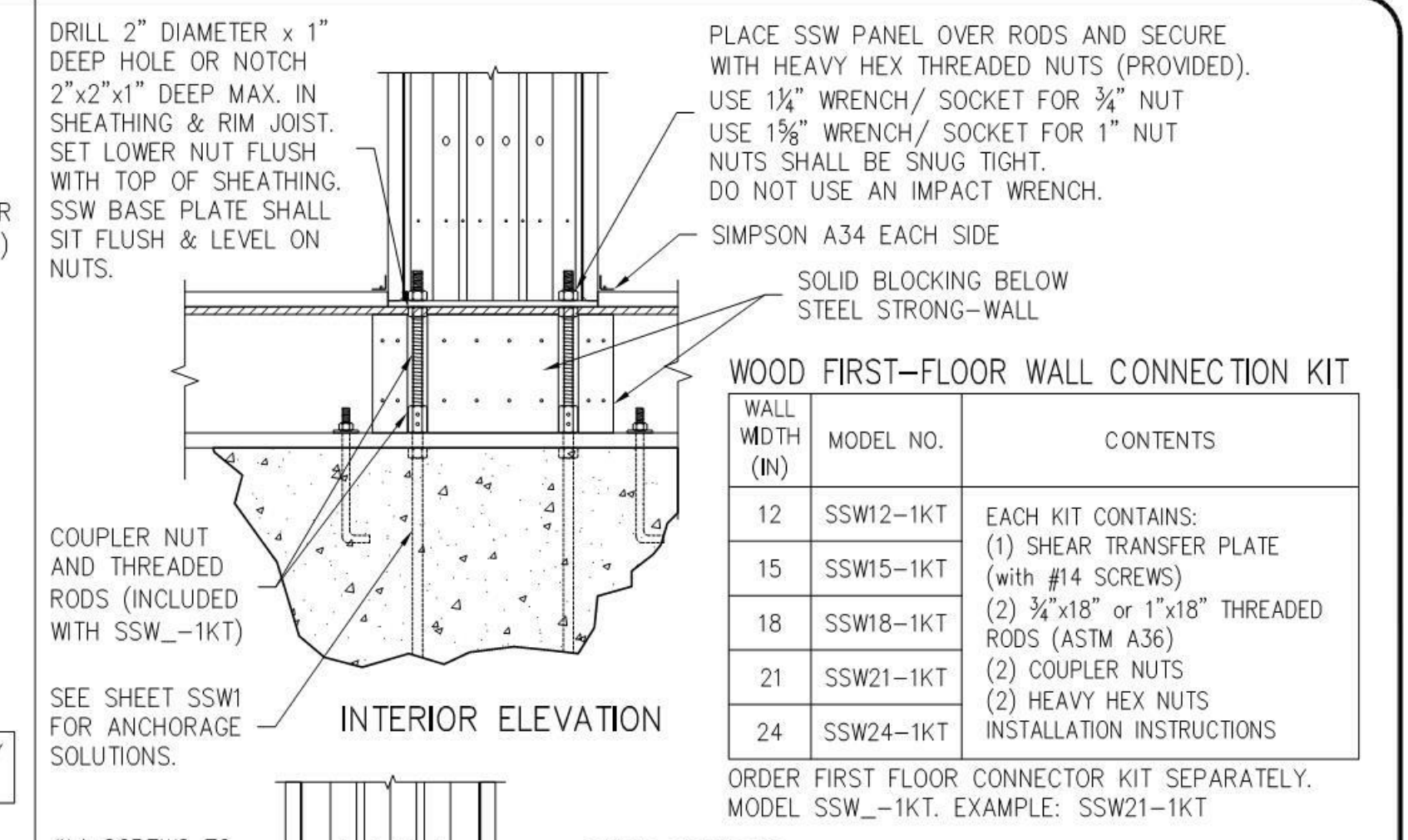
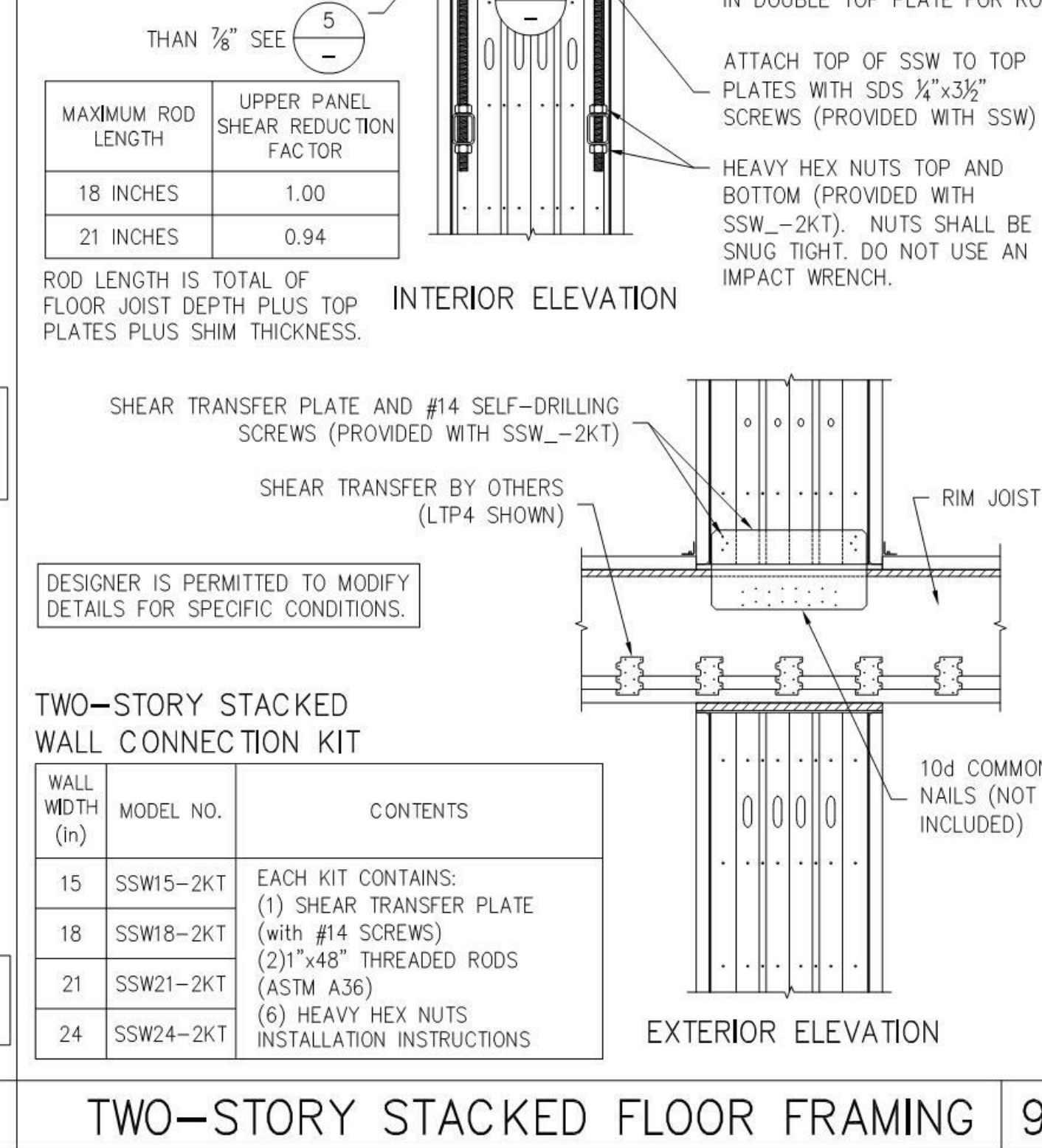
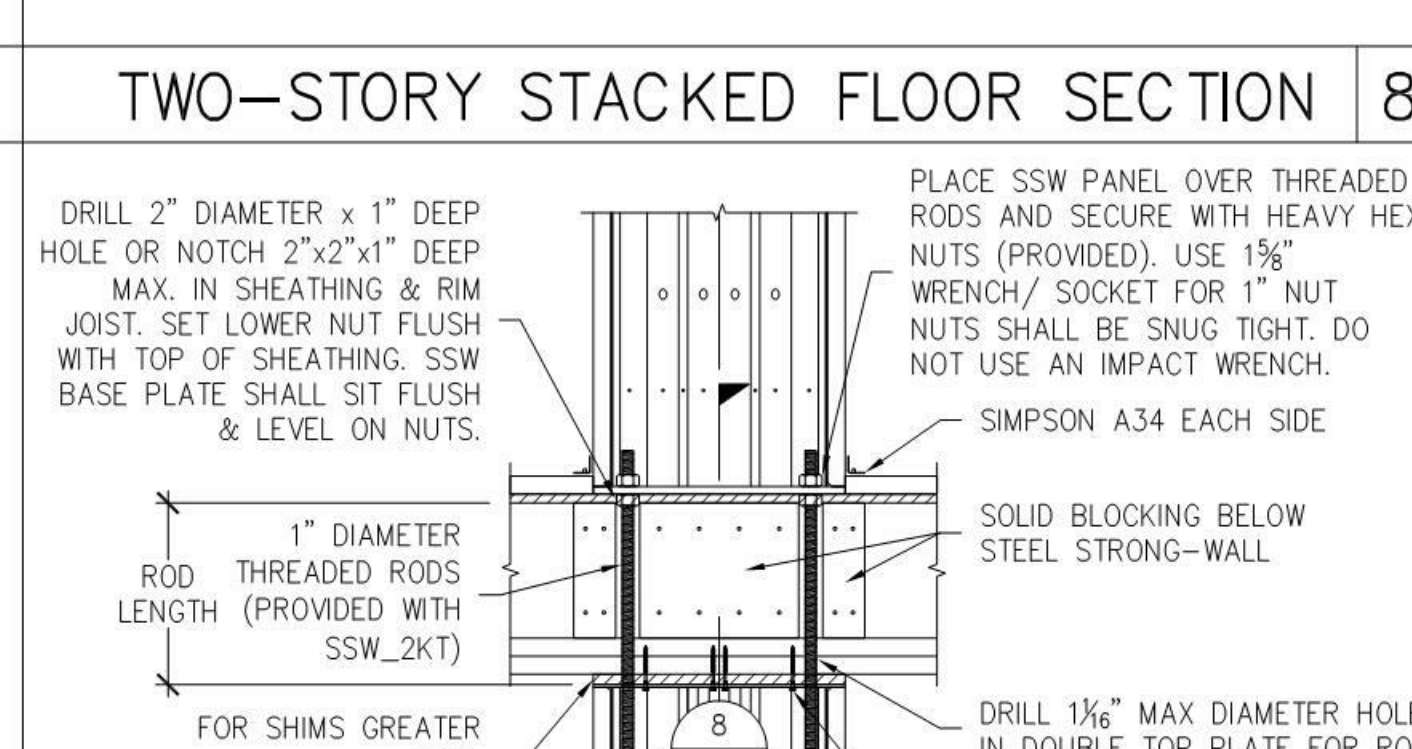
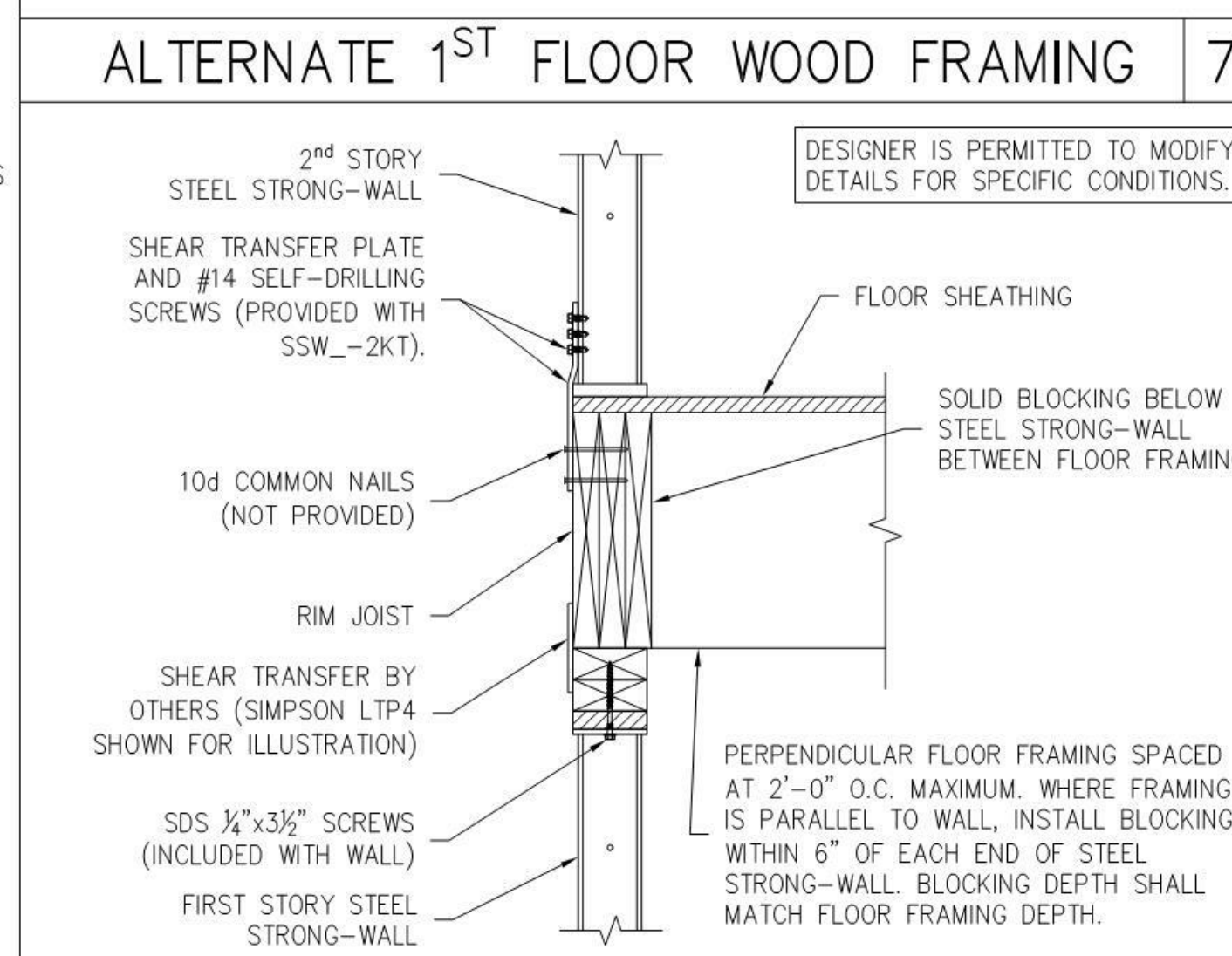
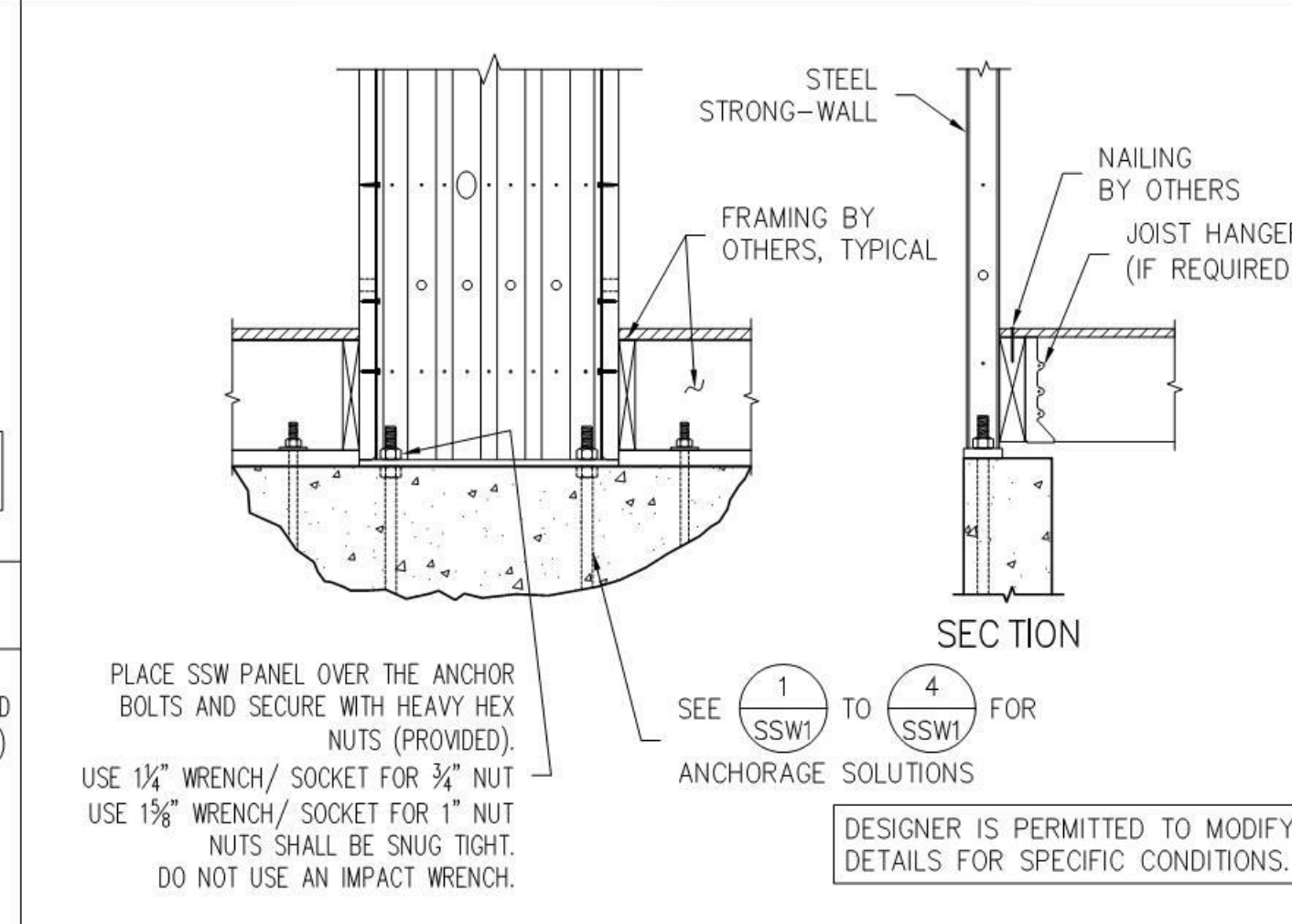
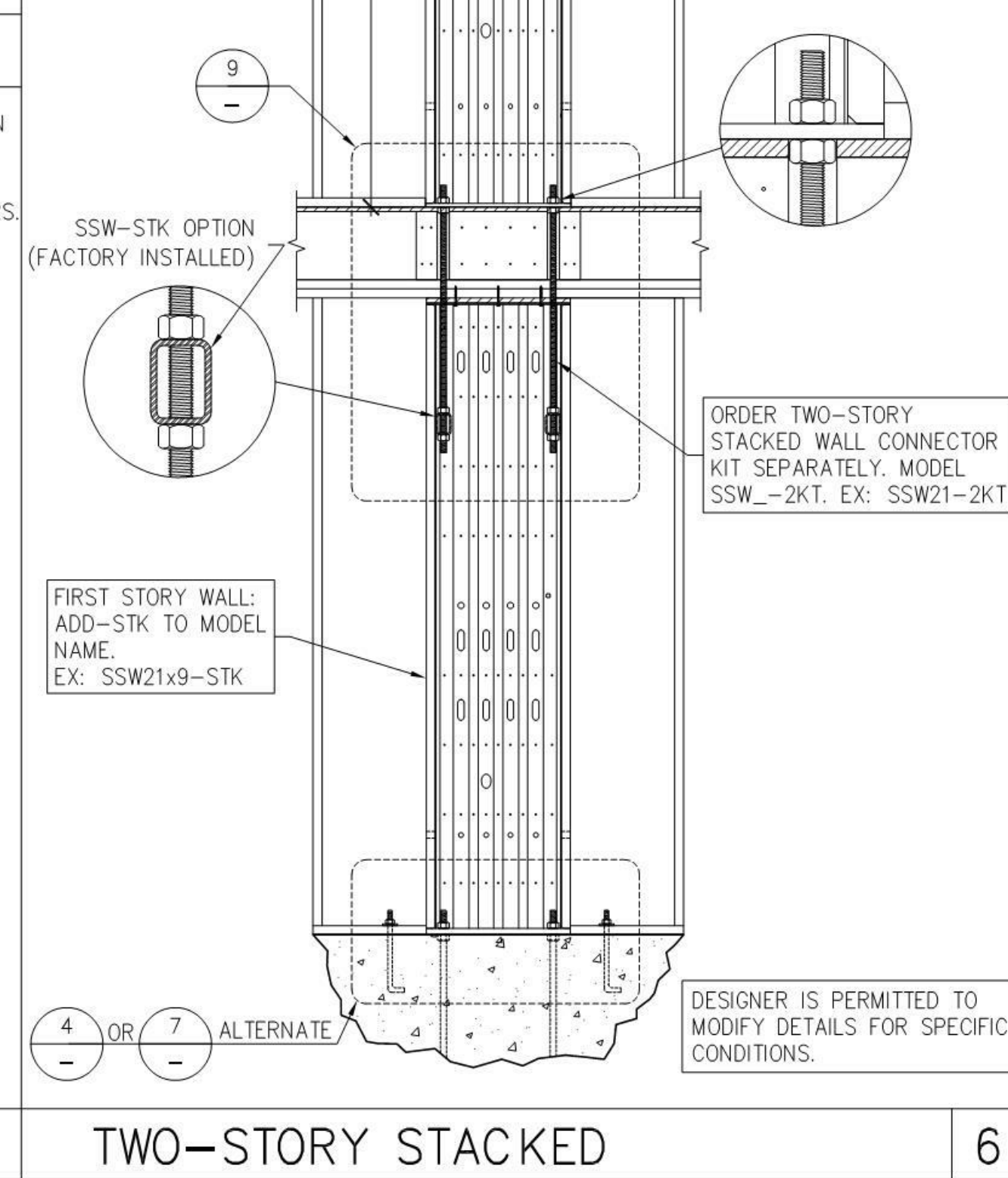
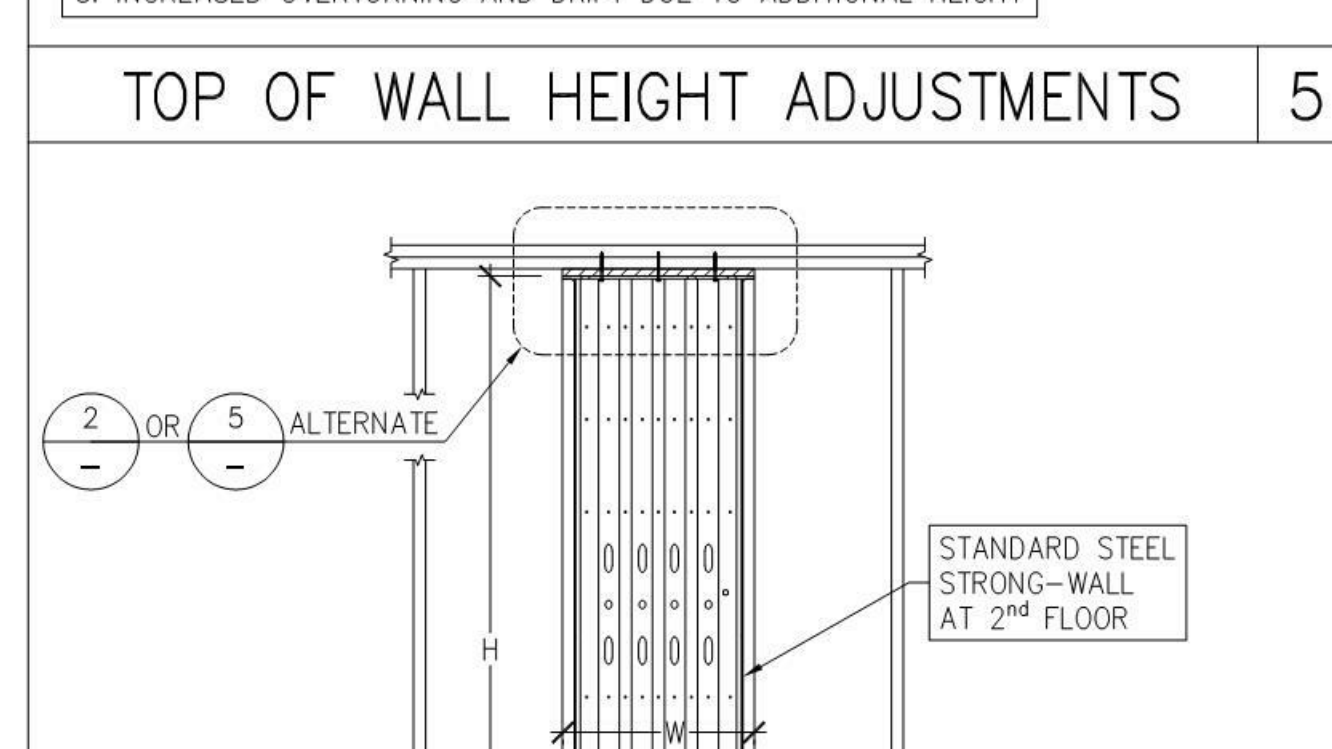
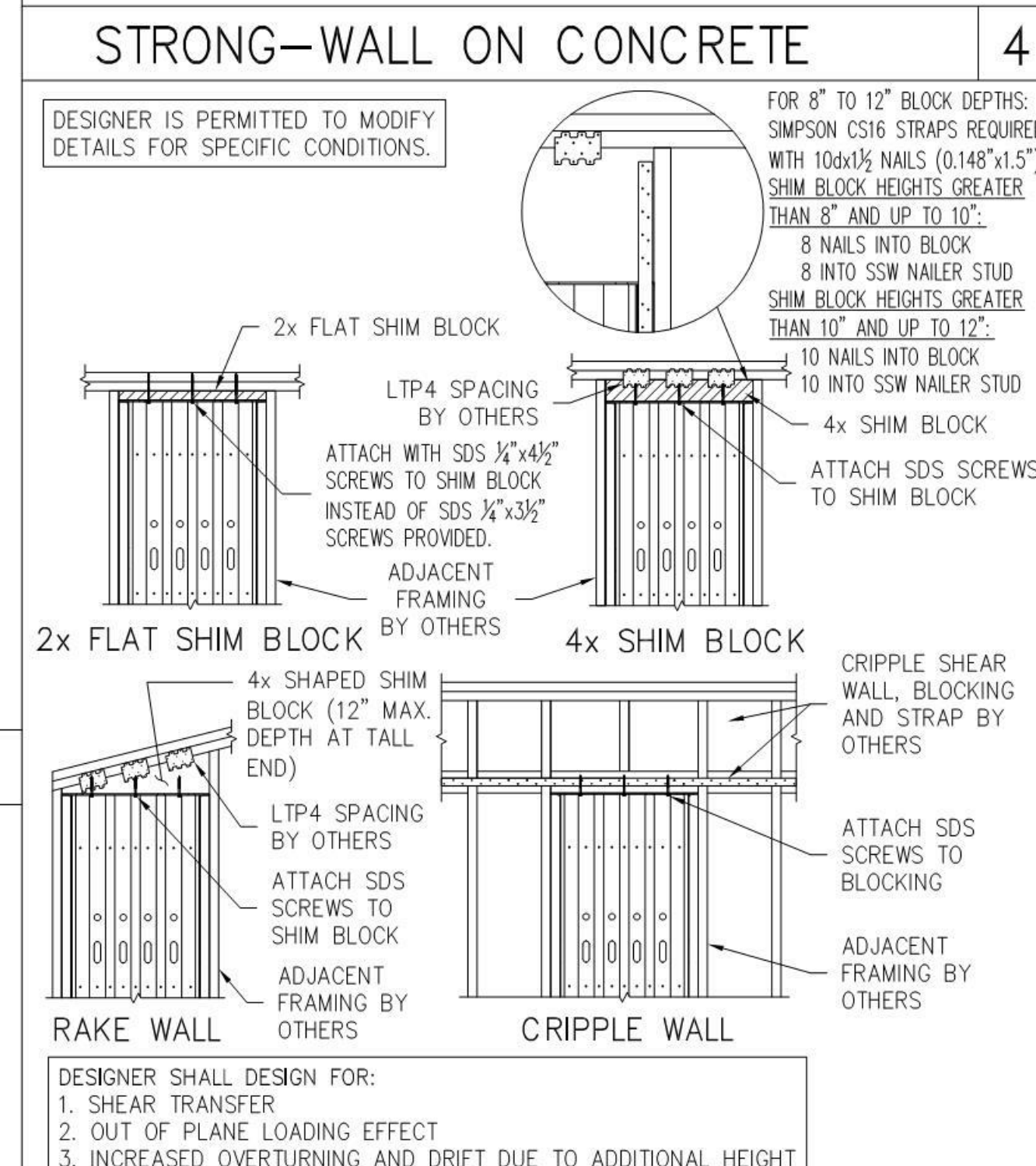
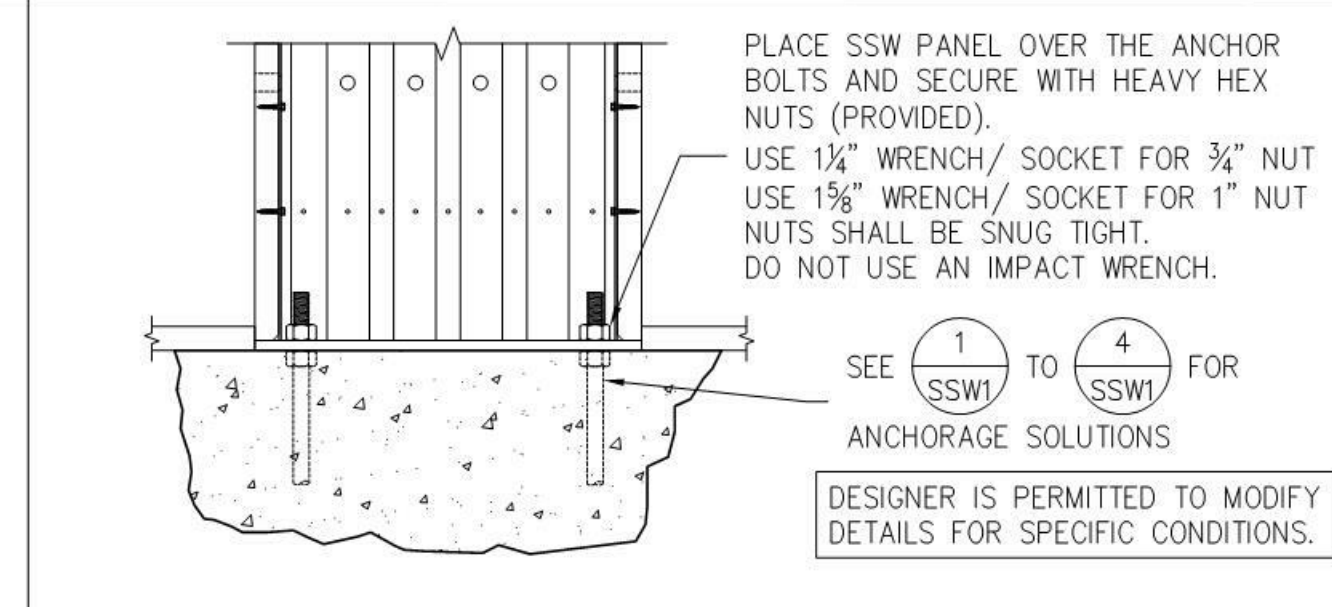
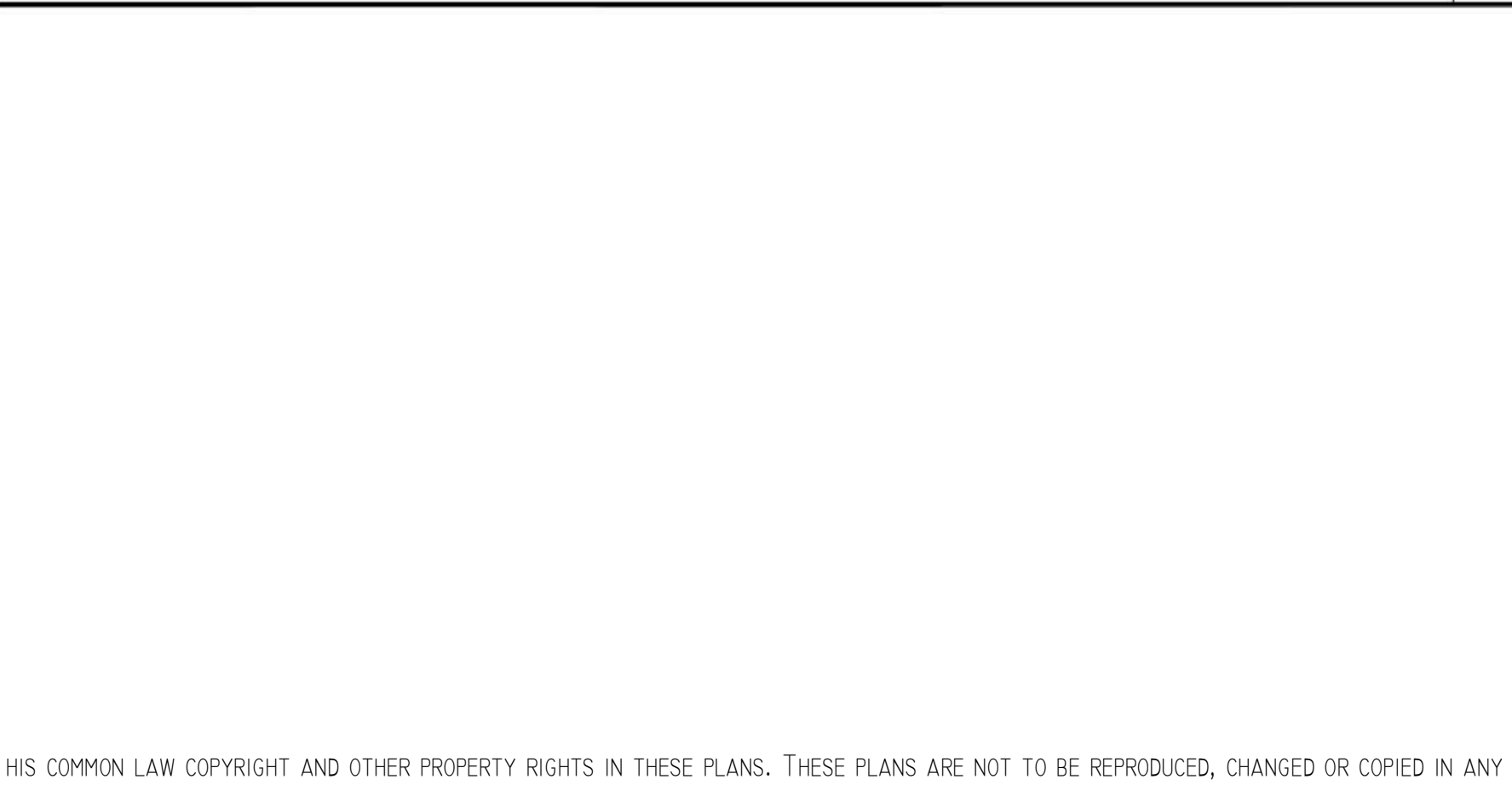
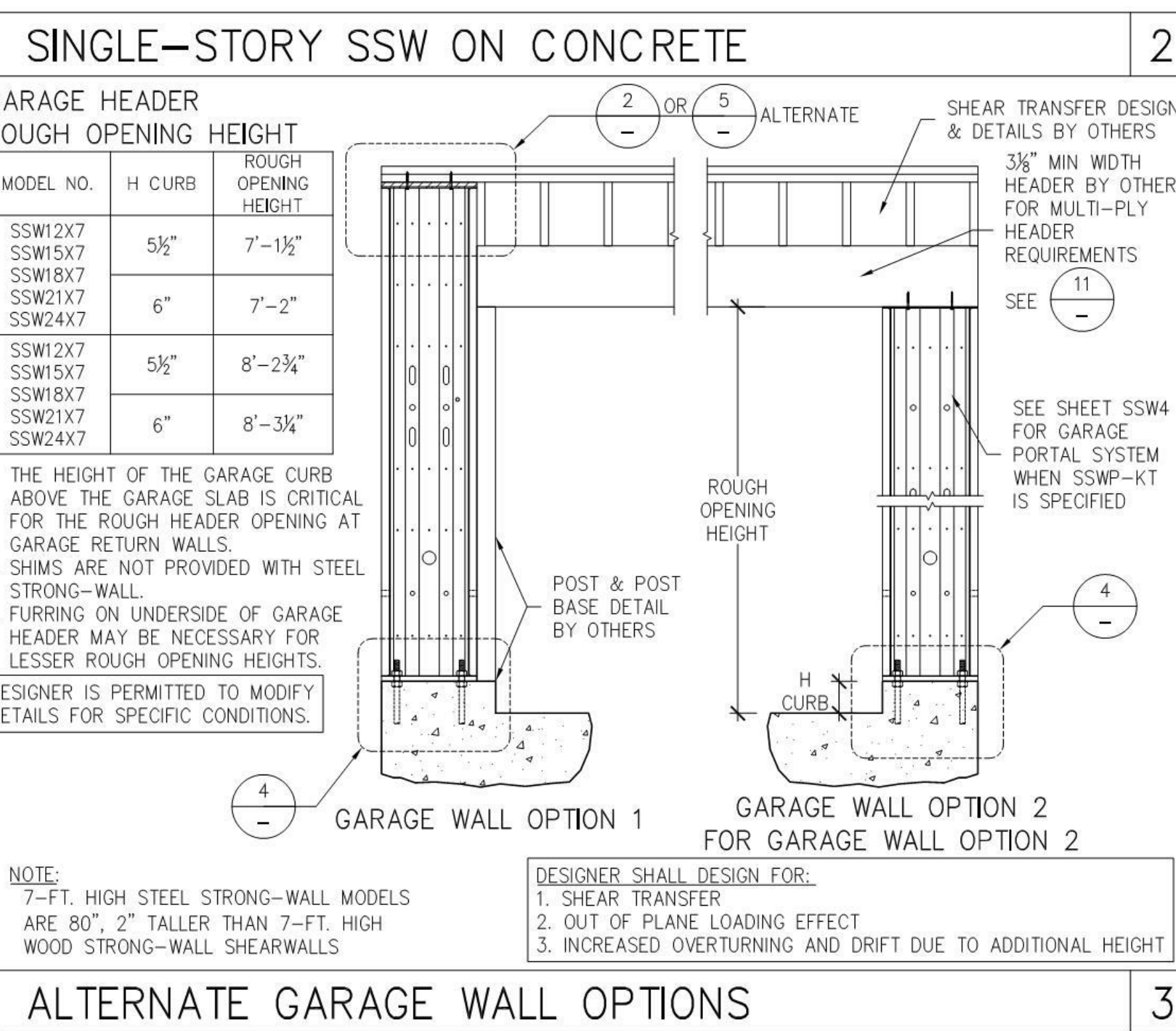
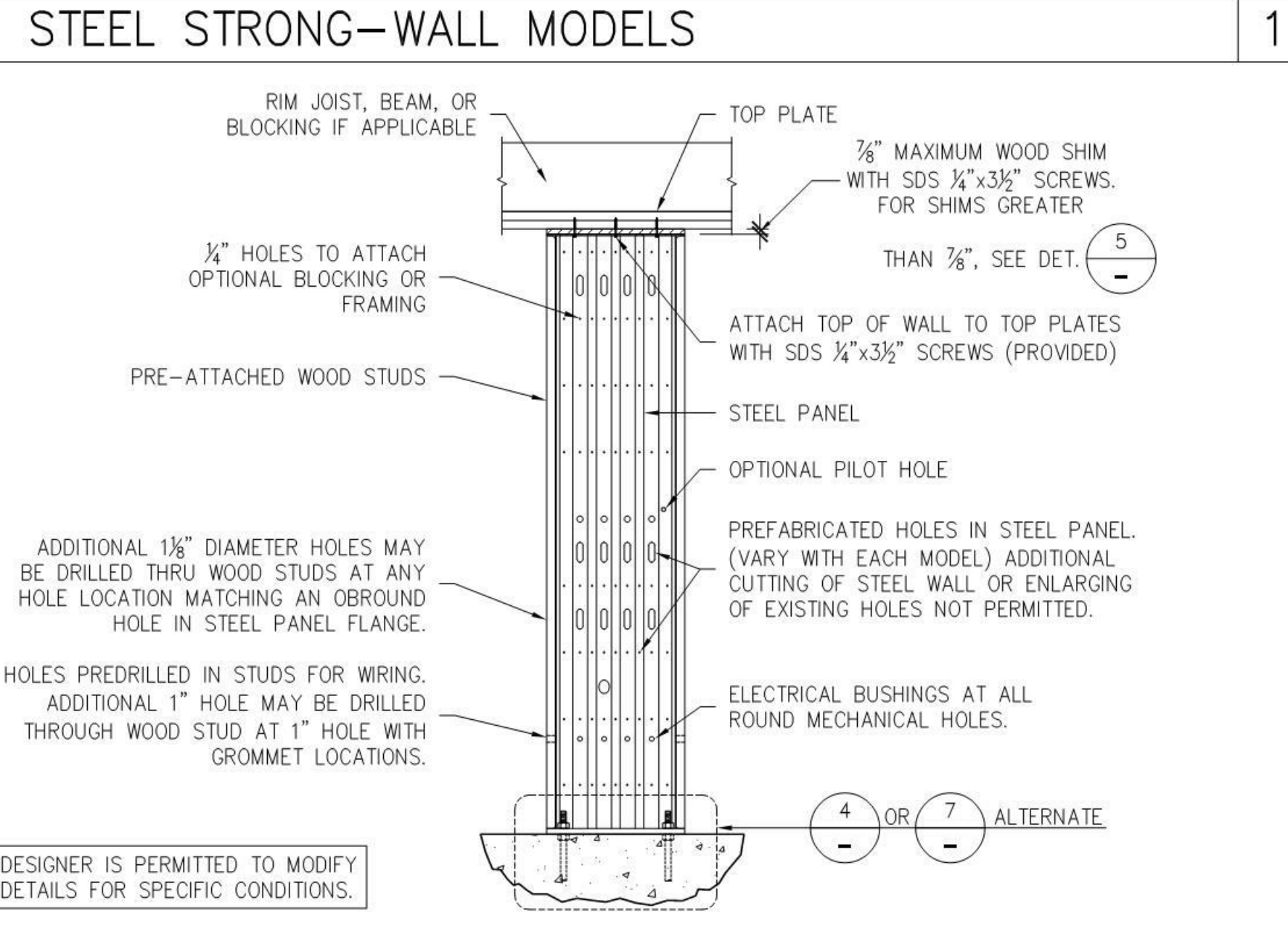
C:\Users\JonathanBallesteros\Andresen Architecture Inc\AAI - Access\Projects\4 - Projects\2020-2029\2021\21-4372 Russo's Lot 55 SFR - 10m Russo.rvt

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STEEL STRONG-WALL MODELS

STD. WALL MODEL NO.	-STK WALL MODEL NO.	H(ft)	T(in)	HOLD-DOWN ANCHOR BOLTS*	QTY. OF TOP OF WALL SCREWS†
SSW12x7	---	80	3/4	2-3/4"	4
SSW15x7	---	80	3/4	2-1"	6
SSW18x7	---	80	3/4	2-1"	9
SSW21x7	---	80	3/4	2-1"	12
SSW24x7	---	80	3/4	2-1"	14
SSW12x7.4	---	85 1/2	3/4	2-3/4"	4
SSW15x7.4	---	85 1/2	3/4	2-1"	6
SSW18x7.4	---	85 1/2	3/4	2-1"	9
SSW21x7.4	---	85 1/2	3/4	2-1"	12
SSW24x7.4	---	85 1/2	3/4	2-1"	14
SSW12x8	---	93 1/2	3/4	2-3/4"	4
SSW15x8	SSW15x8-STK	93 1/2	3/4	2-1"	6
SSW18x8	SSW18x8-STK	93 1/2	3/4	2-1"	9
SSW21x8	SSW21x8-STK	93 1/2	3/4	2-1"	12
SSW24x8	SSW24x8-STK	93 1/2	3/4	2-1"	14
SSW12x9	---	105 1/2	3/4	2-1"	6
SSW15x9	SSW15x9-STK	105 1/2	3/4	2-1"	9
SSW18x9	SSW18x9-STK	105 1/2	3/4	2-1"	12
SSW21x9	SSW21x9-STK	105 1/2	3/4	2-1"	12
SSW24x9	SSW24x9-STK	105 1/2	3/4	2-1"	14
SSW12x10	---	117 1/2	3/4	2-3/4"	4
SSW15x10	SSW15x10-STK	117 1/2	3/4	2-1"	6
SSW18x10	SSW18x10-STK	117 1/2	3/4	2-1"	9
SSW21x10	SSW21x10-STK	117 1/2	3/4	2-1"	12
SSW24x10	SSW24x10-STK	117 1/2	3/4	2-1"	14
SSW15x11	SSW15x11-STK	129 1/2	5/8	2-1"	6
SSW18x11	SSW18x11-STK	129 1/2	5/8	2-1"	9
SSW21x11	SSW21x11-STK	129 1/2	5/8	2-1"	12
SSW24x11	SSW24x11-STK	129 1/2	5/8	2-1"	14
SSW15x12	SSW15x12-STK	141 1/2	5/8	2-1"	6
SSW18x12	SSW18x12-STK	141 1/2	5/8	2-1"	9
SSW21x12	SSW21x12-STK	141 1/2	5/8	2-1"	12
SSW24x12	SSW24x12-STK	141 1/2	5/8	2-1"	14
SSW18x13	SSW18x13-STK	153 1/2	5/8	2-1"	9
SSW21x13	SSW21x13-STK	153 1/2	5/8	2-1"	12
SSW24x13	SSW24x13-STK	153 1/2	5/8	2-1"	14



NO.	DATE	REVISIONS
1	04-12-2009	2009 IBC REVISIONS
2	04-16-2014	2012 IBC REVISIONS
3	04-29-2018	2015 IBC REVISIONS
4	04-16-2020	2018 IBC REVISIONS
5	04-16-2021	2021 IBC REVISIONS

WALL WIDTH (IN)	MODEL NO.	CONTENTS
12	SSW12-1KT	EACH KIT CONTAINS: (1) SHEAR TRANSFER PLATE (with #14 SCREWS) (2) 3/4"x18" or 1"x18" THREADED RODS (ASTM A36) (2) COUPLER NUTS (2) HEAVY HEX NUTS INSTALLATION INSTRUCTIONS
15	SSW15-1KT	
18	SSW18-1KT	
21	SSW21-1KT	
24	SSW24-1KT	

SIMPSON Strong-Tie Co. Inc.
5956 W. Las Positas Blvd., Pleasanton, CA 94588
Tel: (800) 999-5099
Website: www.strongtie.com

THIS IS AN EQUAL OPPORTUNITY EMPLOYER

STEEL STRONG-WALL FRAMING DETAILS ENGINEERED DESIGNS

THIS IS AN EQUAL OPPORTUNITY EMPLOYER

NAME	DATE	SCALE	CHECKED	SHEET	JOB NO.
	03-16-2021	N.T.S.		SSW2	
				OF SHEETS	

Proposed Single Family Residence For:
Parthenon Development, LLC
13024 Via Verrazano, Riverside, CA 92503

26 Apr. 2022

21-4372

ANDRESEN ARCHITECTURE INC.
17087 ORANGE WAY, FONTANA, CA 92335 (909) 355-6688

Steel Strong Wall SW2

1261-23
REVISED
DATE
STATE OF CALIFORNIA

STEEL STRONG-WALL SINGLE WALL PORTAL

3/8" MIN WIDTH HEADER BY DESIGNER. SEE (4) SEE (5) FOR MULTI-PLY HEADER REQUIREMENTS

PORTAL STRAP AND #14 SELF-DRILLING SCREWS (PROVIDED WITH SSWP-KT)

LSTA24 STRAP (MIN.) AT BEAM TO POST

8" MIN. 16"-4" MAX.

STEEL STRONG-WALL (EXTERIOR FACE)

HEADER SUPPORT POST (BY DESIGNER)

SHD10 HOLD-DOWN SHOWN (1000lb UPLIFT CAPACITY MIN.)

COLUMN BASE (BY DESIGNER)

H CURB

ROUGH OPENING HEIGHT

3 SIM.

GARAGE HEADER ROUGH OPENING HEIGHT

MODEL NO.	H CURB	ROUGH OPENING HEIGHT
SSW12X7 SSW15X7 SSW18X7	5 1/2"	7'-1 1/2"
SSW12X7.4 SSW15X7.4 SSW18X7.4	0"	7'-1 1/2"
SSW12X8 SSW15X8 SSW18X8	5 1/2"	8'-2 3/4"
	6"	8'-3 1/4"

- THE HEIGHT OF THE GARAGE CURB ABOVE THE GARAGE SLAB IS CRITICAL FOR THE ROUGH HEADER OPENING AT GARAGE RETURN WALLS.
- SHIMS ARE NOT PROVIDED WITH STEEL STRONG-WALL.
- FURRING DOWN GARAGE HEADER MAY BE NECESSARY FOR CORRECT ROUGH OPENING HEIGHT.

MULTI-PLY HEADERS

HEADER BY OTHERS. 2 PLY 2x12 MIN WITH 1/2" SHEATHING BETWEEN PLYS OR 2 PLY 1 1/2"x11 3/4" MIN. LVL (2 PLY LVL SHOWN)

16d COMMON NAILING. SEE SIDE VIEWS FOR SPACING.

INSTALL SDS 1/2"x3 3/8" SCREWS. SEE SIDE VIEWS FOR NUMBER & SPACING (SCREWS BY INSTALLER)

SDS 1/2"x3 3/8" SCREWS PROVIDED WITH WALL SSW

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

NOTE: MULTI-PLY HEADERS MAY BE USED WITH STEEL STRONG-WALL FOR WIND DESIGN OR IN SEISMIC DESIGN CATEGORIES A-C (IBC & IRC) ONLY

NOTE: PORTAL STRAP NOT SHOWN FOR CLARITY. REFER TO DETAIL 4/SSW4 FOR PORTAL STRAP INSTALLATION.

- INSTALL SDS 1/2"x3 3/8" SCREWS HORIZONTALLY THROUGH LVL OR 2x LUMBER HEADER PLYS.
- 4 SCREWS TOTAL FOR SSW12.6 SCREWS TOTAL FOR SSW15, SSW18, SSW21 AND SSW24.
- SDS 1/2"x3 3/8" SCREWS PROVIDED WITH WALL
- FASTEN PLYS TOGETHER WITH 16d COMMON NAILS AT 16" O.C. ALONG EACH EDGE OF BEAM
- 1 1/2" SHEATHING BETWEEN 2x HEADER PLYS SHALL MATCH HEADER DEPTH AND EXTEND FULL WIDTH OF SSW, MINIMUM.

SSW MULTI-PLY HEADER CROSS SECTION

1" MIN. TYP.

2"

2"

1 1/2"

1

2

3

4

STEEL STRONG-WALL (SSW18 SHOWN)

SIDE VIEW SSW WITH MULTI-PLY HEADER

STEEL STRONG-WALL DOUBLE WALL PORTAL

3/8" MIN WIDTH HEADER BY DESIGNER. SEE (4) SEE (5) FOR MULTI-PLY HEADER REQUIREMENTS

PORTAL STRAP AND #14 SELF-DRILLING SCREWS (PROVIDED WITH SSWP-KT)

8" MIN. 16"-4" MAX.

STEEL STRONG-WALL (EXTERIOR FACE)

H CURB

ROUGH OPENING HEIGHT

3 SIM.

4 SIM.

GARAGE HEADER ROUGH OPENING HEIGHT

MODEL NO.	H CURB	ROUGH OPENING HEIGHT
SSW12X7 SSW15X7 SSW18X7	5 1/2"	7'-1 1/2"
SSW12X7.4 SSW15X7.4 SSW18X7.4	0"	7'-1 1/2"
SSW12X8 SSW15X8 SSW18X8	5 1/2"	8'-2 3/4"
	6"	8'-3 1/4"

- THE HEIGHT OF THE GARAGE CURB ABOVE THE GARAGE SLAB IS CRITICAL FOR THE ROUGH HEADER OPENING AT GARAGE RETURN WALLS.
- SHIMS ARE NOT PROVIDED WITH STEEL STRONG-WALL.
- FURRING DOWN GARAGE HEADER MAY BE NECESSARY FOR CORRECT ROUGH OPENING HEIGHT.

BASE PLATE CONNECTION

PLACE SSW PANEL OVER THE ANCHOR BOLTS AND SECURE WITH HEAVY HEX NUTS. (PROVIDED)

USE 1 1/4" WRENCH/ SOCKET FOR 3/4" NUT

USE 1 3/8" WRENCH/ SOCKET FOR 1" NUT

NUTS SHALL BE SNUG TIGHT. DO NOT USE AN IMPACT WRENCH.

SEE (1) TO (4) FOR ANCHORAGE SOLUTIONS

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

TOP OF WALL CONNECTION

NOTE: LOAD PATH DESIGN AND DETAILS ABOVE HEADER TO BE PROVIDED BY DESIGNER.

FULL LENGTH GARAGE HEADER (BY DESIGNER) MINIMUM SIZE SHALL BE: 4x12 DFL

FIELD NAIL PORTAL STRAP TO HEADER WITH (10) 10dX2 1/2" MIN. NAILS.

FASTEN STRAP TO PANEL WITH (4) #14 SELF-DRILLING SCREWS. (SCREWS PROVIDED WITH SSWP-KT)

SDS 1/2"x3 3/8" SCREWS (PROVIDED)

ALIGN NOTCH ON STRAP WITH BOTTOM OF HEADER.

3/8" MAX. SHIM ALLOWED BETWEEN PANEL AND BEAM (NOT SHOWN).

PORTAL STRAP AND #14 SELF-DRILLING SCREWS. (PROVIDED WITH SSWP-KT)

STEEL STRONG-WALL (EXTERIOR FACE)

NOTE: STRAPS MUST BE INSTALLED ON EXTERIOR FACE OF SSW PANEL POSITION HEADER FLUSH WITH EXTERIOR FACE OF SSW PANEL

NOTE: ALTERNATE HEADERS ALLOWED. (BY DESIGNER) FOR MULTI-PLY HEADER REQUIREMENTS.

SEE (5)

NOTES

- STEEL STRONG-WALL SHEARWALL IS MANUFACTURED AND TRADEMARKED BY "SIMPSON STRONG-TIE COMPANY, INC." HOME OFFICE: 5956 W. LAS POSITAS BLVD., PLEASANTON, CA 94588 TEL: (800) 999-5099, FAX: (925) 847-1597. "SIMPSON STRONG-TIE COMPANY, INC." IS AN ISO 9001 REGISTERED COMPANY.
- USE OF THIS PRODUCT IS SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING DEPARTMENT.
- THIS PRODUCT IS PART OF THE OVERALL LATERAL FORCE RESISTING SYSTEM OF THE STRUCTURE. DESIGN OF THE BUILDING'S LATERAL FORCE RESISTING SYSTEM, INCLUDING THE LOAD PATH TO TRANSFER LATERAL FORCES FROM THE STRUCTURE TO THE GROUND, IS THE RESPONSIBILITY OF THE SPECIFIER.
- ENGINEER OF RECORD IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ELEVATIONS, ETC. PRIOR TO INSTALLATION OF ANY COMPONENTS FOR THE STEEL STRONG-WALL SYSTEM. IF ANY DISCREPANCIES ARE FOUND, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE SPECIFIER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
- INSTALLATION OF PRODUCT SHALL BE DONE IN CONFORMANCE TO THESE DRAWINGS. THE PERFORMANCE OF MODIFIED PRODUCTS OR ALTERED INSTALLATION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE SPECIFIER.
- SIMPSON STRONG-TIE COMPANY, INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS, AND MODELS WITHOUT NOTICE OR LIABILITY FOR SUCH CHANGES.
- ALL HARDWARE CALLED OUT IS SIMPSON STRONG-TIE.

NO.	DATE	REVISIONS
0	09-21-2009	FIRST RELEASE
1	04-16-2014	2012 IBC REVISIONS
2	04-06-2018	2015 IBC REVISIONS
3	04-26-2020	2018 IBC REVISIONS
5	04-16-2021	2021 IBC REVISIONS

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 Tel: (800) 999-5099
 Website: www.strongtie.com

THIS IS NO EQUAL

STEEL STRONG-WALL PORTAL SYSTEM FRAMING DETAILS ENGINEERED DESIGNS

THIS IS NO EQUAL

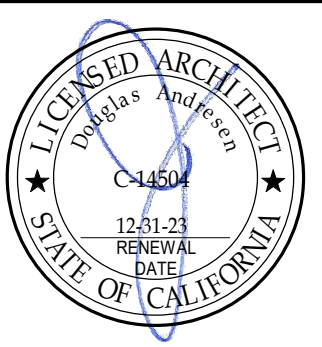
NAME	
DATE	03-16-2021
SCALE	N.T.S.
CHECKED	
SHEET	SSW4
OF SHEETS	
JOB NO.	

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Proposed Single Family Residence For:

Parthenon Development, LLC
 13024 Via Verrazano, Riverside, CA 92503

26 Apr. 2022	▲▲▲
21-4372	▲▲▲



Steel Strong Wall SW4

Craig D. Miller
General Manager

Mike Gardner
Division 1

Gracie Torres
Division 2

Brenda Dennstedt
Division 3

Laura Roughton
Division 4

Fauzia Rizvi
Division 5

May 18, 2022

SENT VIA EMAIL

Gloriane (Glo) Conover
J A Russo Enterprises, Inc.
PO Box 77816
Corona, CA 92877
glo.jarusso@gmail.com

MODEL FIRE FLOW UPDATE – 13063 VIA ALIA, APN 269-470-030, GRID 42028, ID EL SOBRANTE, SEC. 29, T3S, R5W, PRESSURE ZONE 1515

Due to site and drainage constraints or drought conditions, empirical fire flow data could not be obtained for the subject location. Theoretical fire flow rates and pressures in this area were evaluated by using Western Municipal Water District's (Western) hydraulic model.

At the subject location the model results suggest a maximum static pressure of 102 psi based on ground elevation of 1,254'. The residual pressure for fire flow not less than 500 gpm is 95 psi from the nearest standard fire hydrant located at the frontage of 13038 Via Tuscany (APN: 269-470-048) as shown on the attached exhibit.

Under Western's design criteria, the flow in a 8-inch diameter pipeline in this location must be limited to 1,174 gpm. Any flow exceeding this rate may result in line damage.

Please be advised the hydraulic data provided are estimates based on various assumptions that may or may not occur. The design engineer should use sound judgement to apply this information.

Please contact Development Services at (951) 571-7100 should you have any questions.

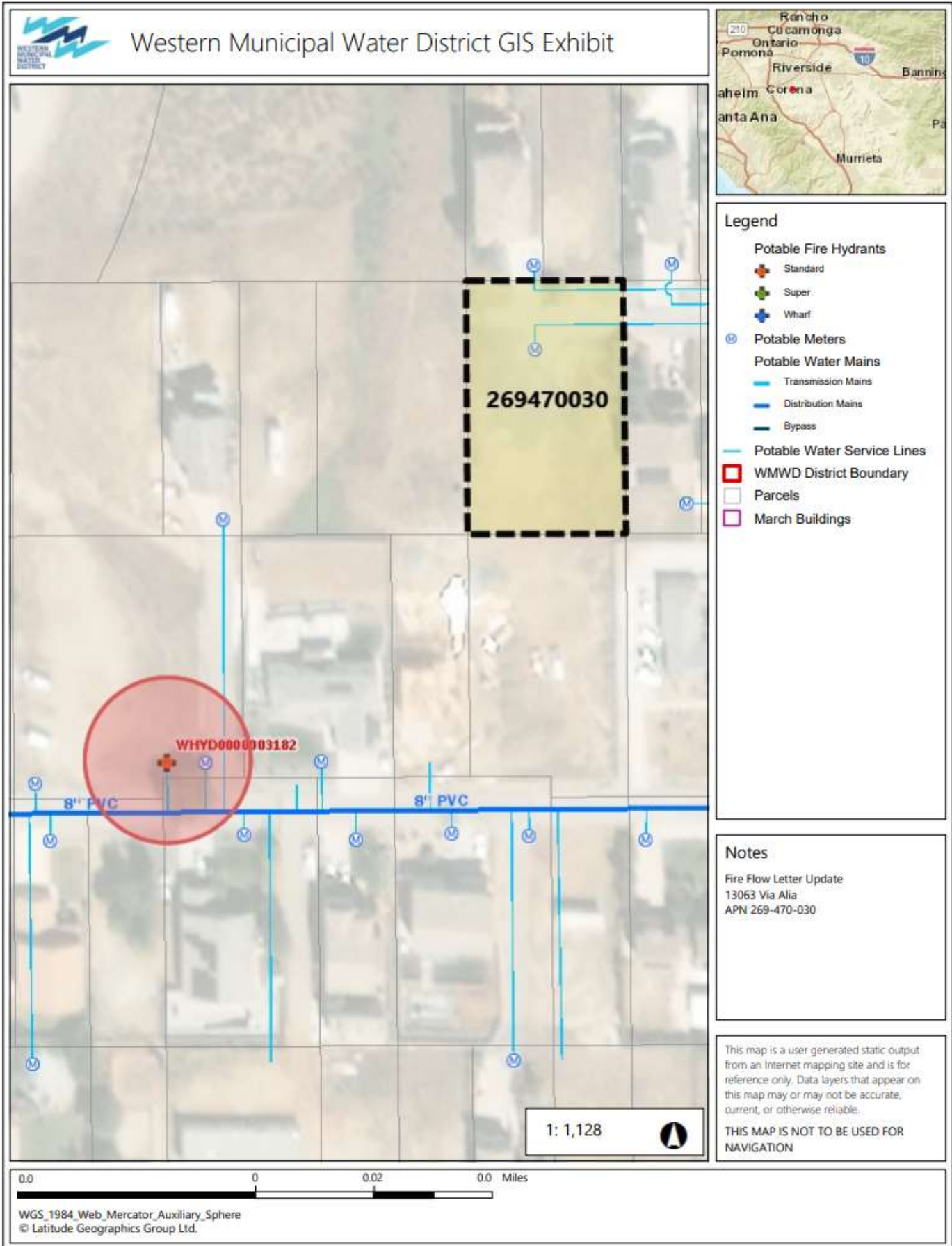


THOMAS G. SCOTT, P.E.
Principal Engineer

TGS:tp:bp:sc

Attachments: Western Municipal Water District GIS Exhibit
Model Fire Flow letter dated May 21, 2021

cc: John Russo, jrusso.ent@gmail.com



Craig D. Miller
General Manager

Mike Gardner
Division 1

Gracie Torres
Division 2

Brenda Dennstedt
Division 3

Donald D. Galieano
Division 4

Fauzia Rizvi
Division 5



Securing Your Water Supply

May 21, 2021

Riverside County Fire Department
2300 Market Street, Suite 150
Riverside, CA 92501

MODEL FIRE FLOW

APN: 269-470-029, -048, & 269-201-016, -13; GRID 42028; ID EL SOBRANTE, SEC. 29, T3S, R5W; PRESSURE ZONE 1515

Due to site and drainage constraints or drought conditions, empirical fire flow data could not be obtained for the subject location. Theoretical fire flow rates and pressures in this area were evaluated by using Western Municipal Water District's (Western) hydraulic model.

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Please contact Development Services at (951) 571-7100 should you have any questions.

A handwritten signature in black ink that reads "Tom Scott".

Thomas G. Scott, P.E.
Principal Engineer

Attachment: Western Fire Flow Letter GIS Exhibit

CC: John A. Russo, J. A. Russo Enterprises, Inc., P.O. Box 77816, Corona, CA 92877

Sent Via Email: jrusso@e-equities.com

Fire Flow
APN: 269-470-029, -048, & 269-201-016
5/21/21

