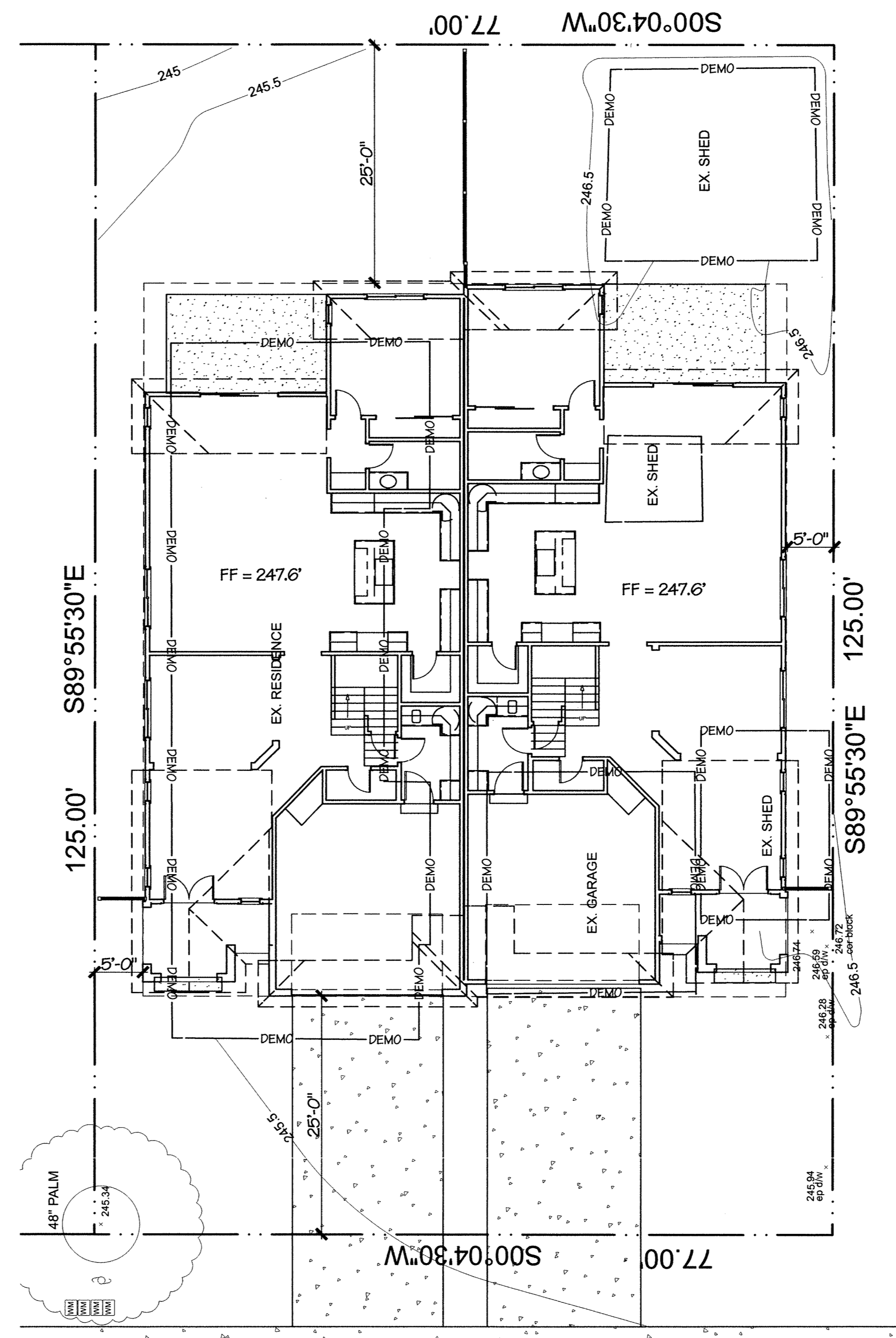


ROOF PLAN

DEFERRED SUBMITTAL ITEMS:  
FIRE SPRINKLER PERMITS

**GREEN BUILDING**

SCOPE OF WORK:  
NEW 2-STORY DUPLEX WITH 4  
BEDROOMS, 3.5 BATHS AND ATTACHED  
2-CAR GARAGES FOR EACH SIDE.



VERIFY PROPERTY LINES  
Misrepresentation of property lines,  
right-of-way locations, or setback  
dimensions may invalidate this permit.

PLANNING OFFICE REVIEW

Zoning: PC  
Setbacks: Front 25 Sides 5 Rear 25  
Max. Height: 35'  
APN#: 419-30-018  
This project conforms to current zoning requirements:  
By: Dave Stiles Date: 6/10/14  
DUPLEX with 4 BR 3.5 BATHS  
with EXISTING  
ANNEXATION WAIVED  
NO DISCREPANCY IN REPRESENTATION  
FOR FRONT OF LOT LOCATION

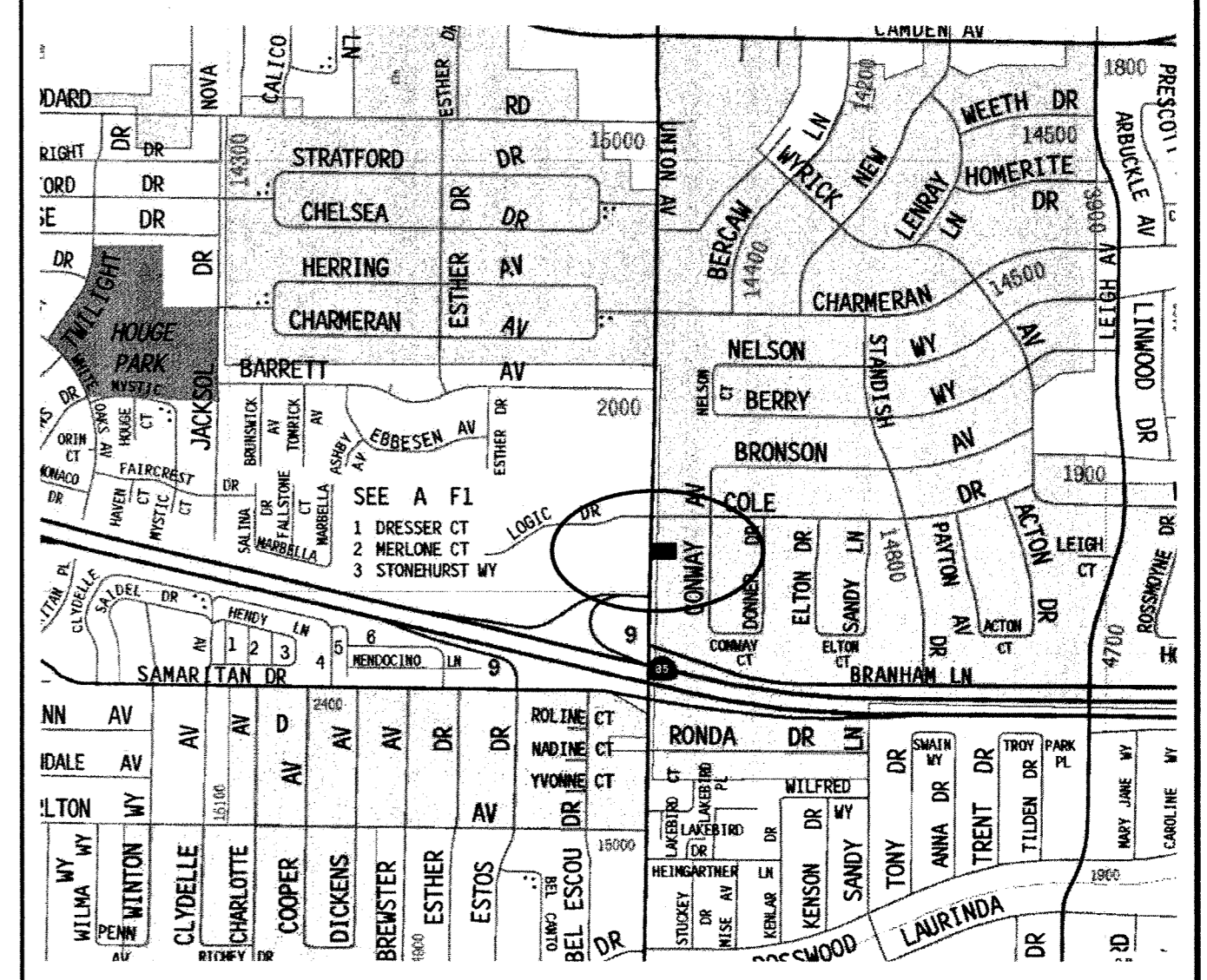
UTILITIES MUST BE  
INSTALLED  
UNDERGROUND

SITE PLAN

1" = 10'-0"

NO ENCROACHMENT WITHIN  
ANY EASEMENT OR RIGHT-  
OF-WAY IS APPROVED

ALL WORK IN THE COUNTY ROAD  
RIGHT OF WAY REQUIRES AN  
ENCROACHMENT PERMIT FROM  
THE ROADS AND AIRPORTS  
DEPARTMENT. EACH INDIVIDUAL  
ACTIVITY REQUIRES A SEPARATE  
PERMIT - i.e. CABLE, ELECTRIC  
GAS, SEWER, WATER, RETAINING  
WALLS, DRIVEWAY APPROACHES,  
FENCES, LANDSCAPING, ETC.



VICINITY MAP

A.P.N.:	419-30-018		
ZONING:	R-2		
LOT SIZE:	9,625 S.F.		
EXISTING HOUSE:	1,830 S.F. (TO BE REMOVED)		
NEW UNITS:	UNIT #1:	UNIT #2:	TOTAL:
FIRST FLOOR:	1,708 S.F.	1,708 S.F.	3,416 S.F.
SECOND FLOOR:	1,448.5 S.F.	1,448.5 S.F.	2,897 S.F.
TOTAL UNITS:	3,156.5 S.F.	3,156.5 S.F.	6,313 S.F.
GARAGE:	406.5 S.F.	406.5 S.F.	813 S.F.

TYPE OF CONSTRUCTION: VB  
OCCUPANCY GROUP: R-3, U

THIS PROJECT SHALL COMPLY WITH 2013 CBC, CRC, CMC, CPC,  
CEC, CFC, CAL GREEN, CAL ENERGY CODE, AND LOCAL ORD.

SITE DATA

SHEET INDEX

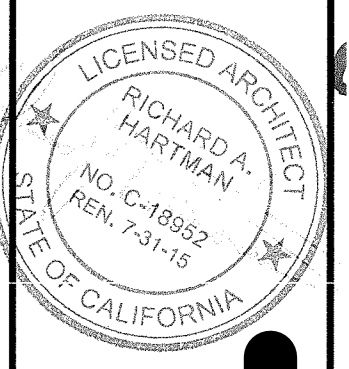
- A-1 SITE PLAN
- A-2 FIRST FLOOR PLAN
- A-3 SECOND FLOOR PLAN
- A-4 EXTERIOR ELEVATIONS
- A-5 EXTERIOR ELEVATIONS
- A-6 CROSS SECTIONS
- E-1 FIRST FLOOR ELECTRICAL PLAN
- E-2 SECOND FLOOR ELECTRICAL PLAN
- 1S-1 FOUNDATION PLAN
- 1S-2 SECOND FLOOR FRAMING
- 1S-3 ROOF FRAMING PLAN
- SN STRUCTURAL NOTES
- SF STANDARD FRAMING DETAILS
- SF-2 STANDARD FRAMING DETAILS
- S-1 STRUCTURAL DETAILS
- S-2 STRUCTURAL DETAILS
- S-3 STRUCTURAL DETAILS
- SSW-1 STRONG-WALL DETAILS
- SSW-2 STRONG-WALL DETAILS
- C-1 TOPO (EXISTING CONDITIONS)
- C-2 GRADING & DRAINAGE PLAN
- T-24 TITLE 24 ENERGY REPORT
- BIG-1 BUILD IT GREEN

REVISIONS	BY
PLAN CHECK 5-14-14	1

RICHARD A. HARTMAN  
A.L.A.  
408995-0606  
hometecarch@aol.com

**HOMETEC**  
ARCHITECTURE, INC.

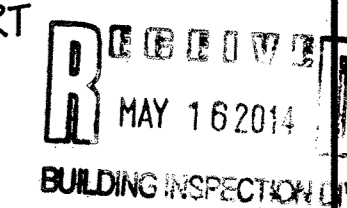
619 NORTH FIRST STREET, SAN JOSE, CA 95112



NEW DUPLEX FOR:

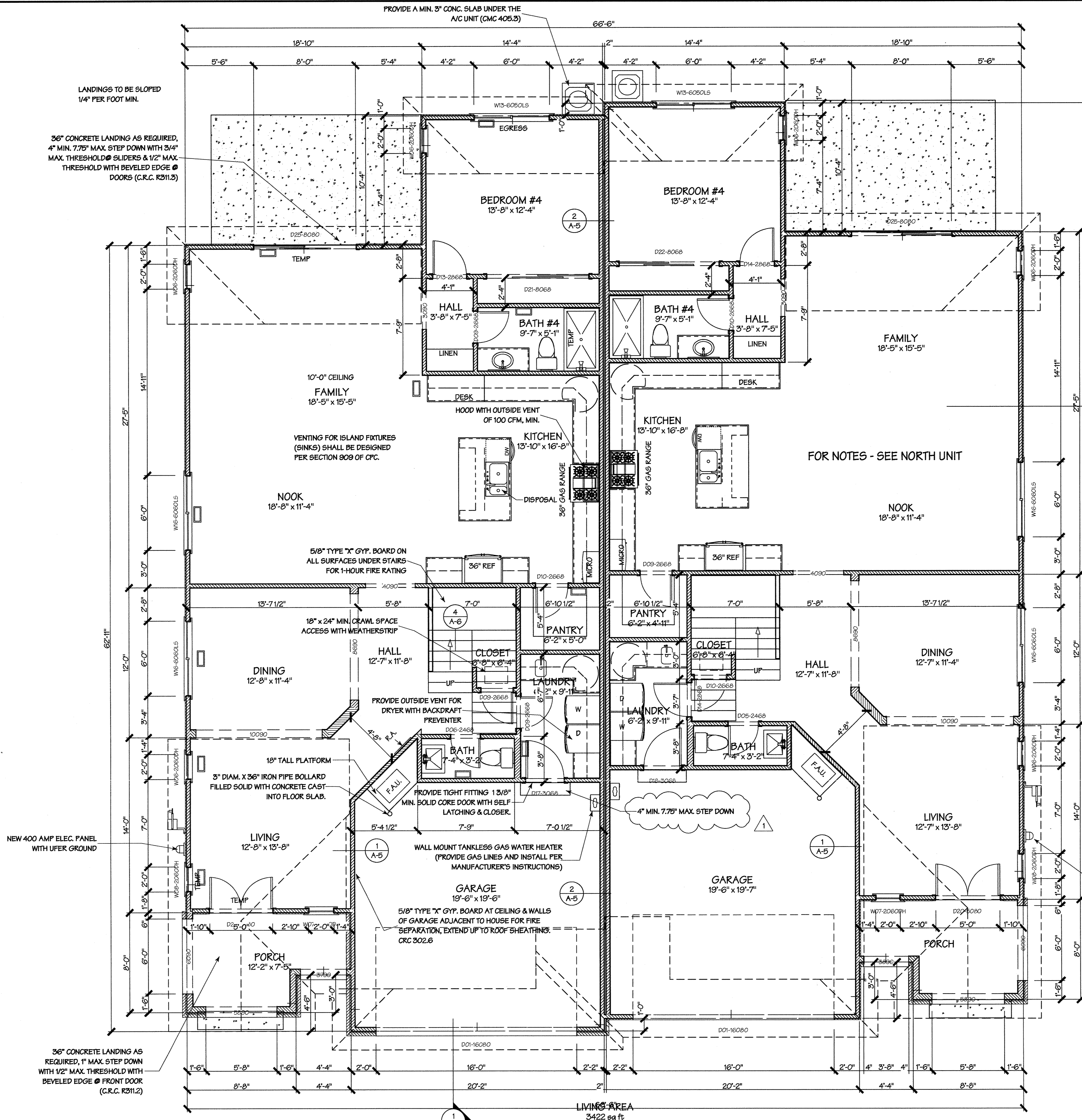
Date: 1-31-14  
Scale: 1" = 10'-0"  
Drawn: RAH  
Job: 13-044  
Sheet: **A-1**  
of Sheets

BP 54815



**GENERAL NOTES**

1. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS NOTED OTHERWISE
2. ADJUST DIMENSIONS TO ALIGN WITH EXISTING CONDITIONS IN THE FIELD, WHERE APPLICABLE.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT IMMEDIATELY.
4. INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT SHALL BE POSTED AND PROVIDED TO THE FIELD INSPECTOR AT TIME OF INSPECTION
5. SLOPE FINISH GRADE AT 1/4" MIN. FOR 10' AWAY FROM HOUSE & 1/8" MIN. TO AN APPROVED FACILITY
6. PROVIDE NON-REMOVABLE BACK FLOW PROTECTION AT ALL EXTERIOR HOSE BIBBS
7. PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS, MIN. WINDOW OPENINGS OF 24" MIN. CLEAR HEIGHT, 20" MIN. CLEAR WIDTH, 5.7 SQ. FT. MIN. AREA WITH 44" MAXIMUM TO BOTTOM
8. TERMINATION OF ALL ENVIRONMENTAL AIR DUCTS (I.E., DRYERS, BATH & UTILITY FANS, ECT.) SHALL BE A MINIMUM OF 3 FEET AWAY FROM ANY OPENINGS INTO THE BUILDING (DOORS, WINDOWS, OPENING SKYLIGHTS, OR ATTIC VENTS)
9. ALL AIR DUCTS PENETRATING A SEPARATION WALL OR CEILING BETWEEN GARAGE AND LIVING AREA SHALL BE 26 GA. MINIMUM
10. ALL EXHAUST FANS SHALL BE "ENERGY STAR" AND SEPARATELY SWITCHED WITH TIMER OR HUMIDISTAT SWITCHES AND CAPABLE OF 5 AIR CHANGES PER HOUR (MIN. 50 CFM) AT BATHS, TOILETS, AND LAUNDRY
11. ALL WATER CLOSETS SHALL BE MAXIMUM 120 GALLONS PER FLUSH
12. PROVIDE A SMOOTH, HARD, NONABSORBENT SURFACE OVER A MOISTURE RESISTANT UNDERLAYMENT TO A MINIMUM HEIGHT OF 72" ABOVE THE DRAIN INLET AT SHOWERS & TUB/SHOWERS (NO GREEN BOARD)
13. SHOWER AND TUB/SHOWER COMBINATIONS SHALL BE PROVIDED WITH PRESSURE BALANCE ANTI-SCALD VALVES TO 120F MAX. WITH MAX. 2.0 GPM FLOW @ 80 PSI, SINK FAUCETS MAX. 1.5 GPM FLOW @ 20 PSI.
14. SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, HAVING A MINIMUM INTERIOR FLOOR AREA OF 1,024 SQUARE INCHES, SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30-INCH CIRCLE, AND OUTWARD SWING 22" MIN. DOOR
15. ALL UNDERFLOOR PLUMBING CLEANOUTS SHALL BE WITHIN 20' OF THE UNDERFLOOR ACCESS, OR EXTENDED TO THE EXTERIOR
16. KITCHEN SHALL HAVE SEPARATE CIRCUITS FOR DISPOSAL, DISHWASHER, & TWO (2) 20 AMP CIRCUITS LIMITED TO SUPPLYING WALL AND COUNTER SPACE OUTLETS.
17. FOR 30 AMP ELECTRIC DRYERS AND COOKTOPS PROVIDE WIRES WITH INSULATED NEUTRAL AND 4-PRONG OUTLET
18. LAUNDRY ROOM AND BATHROOM COUNTERTOP OUTLETS SHALL BE EACH SUPPLIED WITH A DEDICATED 20 AMP CIRCUIT
19. ALL ELECTRIC SWITCHES SHALL BE OF THE SCREW TYPE GROUND.
20. ALL BRANCH CIRCUITS IN ALL ROOMS OTHER THAN KITCHEN & BATHS SHALL BE PROTECTED BY COMBINATION ARCH-FAULT CIRCUIT INTERRUPTERS. (C.E.C. 210.12.B)
21. LIGHT FIXTURES LOCATED OVER TUBS OR SHOWER ENCLOSURES SHALL BE LABELED "SUITABLE FOR DAMP LOCATIONS"
22. A PERMANENT LABEL SHALL IDENTIFY EACH LITE OF SAFETY GLAZING
23. T-24 INSTALLATION CERTIFICATE (C-6R) AND INSTALLATION CERTIFICATE OF INSULATION (C-1) SHALL BE SUBMITTED TO THE FIELD INSPECTOR AT TIME OF FINAL INSPECTION.
24. RECESSED LUMINAIRES IN INSULATED CEILINGS SHALL BE A.T. & I.C. RATED, ELECTRONIC BALLAST AND CAULKED AIR-TIGHT
25. DRYER EXHAUST VENTS SHALL BE PER MANUF. REQUIREMENTS OR MAX. 14' IN LENGTH, TERMINATING 3' CLEAR OF ANY OPENING
26. JOINTS AND SEAMS OF DUCT SYSTEMS SHALL BE SEALED WITH UL LISTED DUCT TAPE, AND INSULATED WITH R-6 MIN.
27. ALL PENETRATIONS INTO UNCONDITIONED SPACE (ATTICS, UNDERFLOORS, ECT.) SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
28. ALL PENETRATIONS IN TOP PLATES, FLOORS, ECT. SHALL BE CAULKED WITH A RESIDENTIAL FIRE RATED CAULK WITH AN ASTM E136 OR E814 RATING (CRC R302.1)
29. EGRESS WINDOWS WITH MULTIPLE LATCHES SHALL HAVE THEM INTERCONNECTED AND OPERABLE FROM THE LOWEST LATCH.
30. SHOWER ENCLOSURE DOORS SHALL OPEN OUT WITH A CLEAR OPENING OF 22" MIN. IN THE OPEN POSITION
31. SMOKE DETECTORS SHALL BE INSTALLED IN ALL BEDROOMS AND AT AREAS LEADING TO BEDROOMS.
32. ALL 15-AMP AND 20-AMP DWELLING UNIT RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES (CEC 406.1)
33. MAIN ENTRY DOOR SHALL BE OPERABLE FROM THE INSIDE OF THE DWELLING WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.
34. A COMPLETED FORM CF-6R-LTG-01 MUST BE PROVIDED TO THE FIELD BUILDING INSPECTOR, PRIOR TO FINAL INSPECTION.
35. VENTILATION HEATING AND AIR CONDITIONING SYSTEMS SHALL HAVE A MERV-6 FILTER OR BETTER.
36. PROVIDE STATE ARCHITECT CERTIFIED EARTHQUAKE-ACTUATED GAS SHUT OFF VALVES AT ALL NEW, RELOCATED, AND REPLACED GAS UTILITY METERS.
37. PROVIDE A DEDICATED 20 AMP CIRCUIT FOR EACH FAN MOTOR (F.A.U., EXHAUST, ECT.)
38. PROVIDE COMBO SMOKE/CARBON MONOXIDE DETECTORS AT HALLWAYS ON EACH LEVEL AND OUTSIDE OF BEDROOMS (PER CRC 315.1)
39. A GAS PIPING LAYOUT PLAN SHALL BE PROVIDED TO THE FIELD INSPECTOR BY THE CONTRACTOR AT TIME OF INSPECTION.
40. FOR ANY L.E.D. LIGHTS TO QUALIFY AS HIGH EFFICACY LIFTING, THEY MUST BE CERTIFIED BY THE ENERGY COMMISSION AND LISTED ON THEIR DATABASE AT <http://www.appliances.energy.ca.gov/>. PROVIDE TO THE FIELD INSPECTOR EVIDENCE OF CERTIFICATION FOR ALL HIGH EFFICACY L.E.D. LIGHTS AS SELECTED BY THE OWNER.



SYMBOLS & LEGEND	
	NEW WALLS
	1-HOUR FIRE RATED WALLS
	DUPLEX OUTLET (ALL TAMPER-RESISTANT)
	220V OUTLET
	GFCI PROTECTED OUTLET
	WEATHERPROOF OUTLET (ALL GFCI PROTECTED)
	WALL SWITCH
	WALL SWITCH TIMER
	WALL SWITCH, MANUAL ON, AUTO OFF
	DIMMER WALL SWITCH (INCANDESCENT ONLY)
	3-WAY WALL SWITCH
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	CEILING MOUNT FLUORESC. LIGHT
	UNDER CAB. MOUNT FLUORESC. LIGHT
	RECESSED LIGHT (CFL= FLUORESC.)
	HEATER REGISTER
	SMOKE DETECTOR
	INNERCONNECTED (A/C, D/C) CARBON MONOXIDE DETECTOR
	INNERCONNECTED (A/C, D/C) DOORBELL
	PHONE/TV/NETWORK CABLE
	EXHAUST FAN
	EXHAUST FAN/FLUORESC. LIGHT w/ sep. switch
	CEILING FAN

ALL FLUORESCENT LIGHTS TO BE HIGH EFFICACY

ALL NEW LIGHTING FIXTURES SHALL BE FLUORESCENT OR I.E.D.

ALL EXTERIOR MOUNTED LIGHTS SHALL BE HIGH EFFICACY OR CONTROLLED BY MOTION SENSOR + PHOTOCONTROL

SINGLE WALL METAL PIPE SHALL NOT BE USED AS A VENT IN DWELLINGS AND RESIDENTIAL OCCUPANCIES (CMC 802.7.4.1)

WHERE IT IS REQUIRED TO MOVE UNDER DUCTS FOR ACCESS TO AREAS OF THE CRAWL SPACE, A MINIMUM VERTICAL CLEARANCE OF 18" SHALL BE PROVIDED (CMC 604.1)

NEW 400 AMP ELEC. PANEL WITH UFER GROUND

ALL DOWNSPOUTS SHALL HAVE SPLASH BLOCKS TO DIRECT WATER FLOW TO LANDSCAPED AREAS.

In addition to the local exhaust fans in the bathrooms and kitchens, an exhaust fan shall be sized to provide ventilation for the whole house. **Window operation is not a permissible method.**

a. The whole-building exhaust fan shall provide a minimum ventilation rate accordance to Equation 4.1(a):

$$Q_{min} = 0.01 A_{tot} + 7.5 (N_b + 1)$$

Where  $Q_{min}$  = fan flow rate, (cfm)  
 $A_{tot}$  = conditioned floor area, ft<sup>2</sup>  
 $N_b$  = number of bedroom

31.56 + 7.5 (4+1) = 69

b. This exhaust fan can be controlled by a standard on/off switch, but the switch MUST be labeled to inform home occupants that it is the whole-building ventilation exhaust fan that is intended to operate continuously. This exhaust fan is required to be rated for sound at a maximum of 1 sone.

c. The ducting for the exhaust fan shall be sized according to ASHRAE Standard 62.2, Table 7.1.

**Whole Building Ventilation**

Specify Building Fan Flow (cfm) = 70 and Duct Type = SM  
 Duct Size (in) = 4 and Maximum Allowable Duct Length (ft) = 16  
 This exhaust fan is required to be rated for sound at a maximum of 1 sone.  
 This exhaust fan is intended to operate continuously to ensure indoor air quality.

REVISIONS	BY
PLAN CHECK 5-14-14	1

**HOMETEC ARCHITECTURE, INC.**  
 RICHARD A. HARTMAN, A.I.A.  
 619 NORTH FIRST STREET, SAN JOSE, CA 95112  
 408-995-0896  
 Home@hometec.com

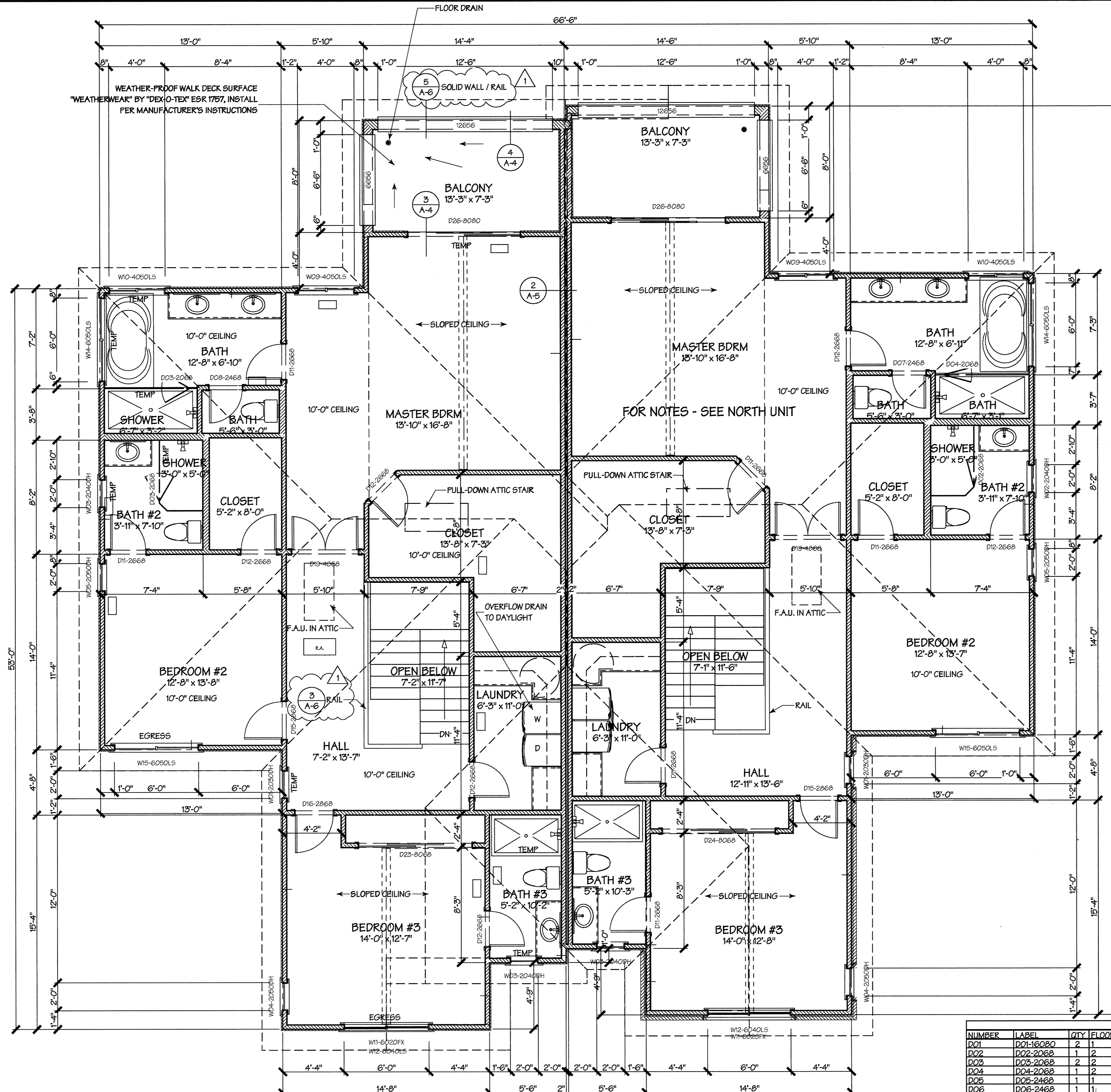
LICENSED ARCHITECT  
 COUNTY OF SANTA CLARA  
 RICHARD A. HARTMAN  
 NO. C-10652  
 REN. 1/31-15  
 STATE OF CALIFORNIA

NEW DUPLEX FOR:

Date: 1-31-14  
 Scale: 1/4" = 1'-0"  
 Drawn: RAH  
 Job: 13-044  
 Sheet: A-2 of 2 Sheets

GENERAL NOTES

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5. SLOPE FINISH GRADE AT 5% MIN. FOR 10' AWAY FROM HOUSE & 1% MIN. TO AN APPROVED FACILITY
6. PROVIDE NON-REMOVABLE BACK FLOW PROTECTION AT ALL EXTERIOR HOSE BIBBS
7. PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS, MIN. WINDOW OPENINGS OF 24" MIN. CLEAR HEIGHT, 20" MIN. CLEAR WIDTH, 5.7 SQ. FT. MIN. AREA WITH 44" MAXIMUM TO BOTTOM
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11. ALL WATER CLOSETS SHALL BE MAXIMUM 1.28 GALLONS PER FLUSH
12. PROVIDE A SMOOTH, HARD, NONABSORBENT SURFACE OVER A MOISTURE RESISTANT UNDERLAYMENT TO A MINIMUM HEIGHT OF 72" ABOVE THE DRAIN INLET AT SHOWERS & TUB/SHOWERS (NO GREEN BOARD)
13. SHOWER AND TUB/SHOWER COMBINATIONS SHALL BE PROVIDED WITH PRESSURE BALANCE ANTI-SCALD VALVES TO 120F MAX. WITH MAX. 2.0 GPM FLOW @ 80 PSI, SINK FAUCETS MAX. 15 GPM FLOW @ 20 PSI.
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24. RECESSED LUMINARIES IN INSULATED CEILINGS SHALL BE A.T. & I.C. RATED, ELECTRONIC BALLAST AND CAULKED AIR-TIGHT
25. DRYER EXHAUST VENTS SHALL BE PER MANUF. REQUIREMENTS OR MAX 14' IN LENGTH, TERMINATING 3' CLEAR OF ANY OPENING
26. JOINTS AND SEAMS OF DUCT SYSTEMS SHALL BE SEALED WITH UL 181 LISTED DUCT TAPE, AND INSULATED WITH R-6 MIN.
27. ALL PENETRATIONS INTO UNCONDITIONED SPACE (ATTICS, UNDERFLOORS, ECT.) SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
28. ALL PENETRATIONS IN TOP PLATES, FLOORS, ECT. SHALL BE CAULKED WITH A RESIDENTIAL FIRE RATED CAULK WITH AN ASTM E136 OR E214 RATING (CRC R302.1)
29. EGRESS WINDOWS WITH MULTIPLE LATCHES SHALL HAVE THEM INTERCONNECTED AND OPERABLE FROM THE LOWEST LATCH.
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31. SMOKE DETECTORS SHALL BE INSTALLED IN ALL BEDROOMS AND AT AREAS LEADING TO BEDROOMS.
32. ALL 15-AMP AND 20-AMP DWELLING UNIT RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTALS (CEC 406.11)
33. MAIN ENTRY DOOR SHALL BE OPENABLE FROM THE INSIDE OF THE DWELLING WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.
34. A COMPLETED FORM OF GR-1TG-01 MUST BE PROVIDED TO THE FIELD BUILDING INSPECTOR, PRIOR TO FINAL INSPECTION.
35. VENTILATION HEATING AND AIR CONDITIONING SYSTEMS SHALL HAVE A MERV-6 FILTER OR BETTER
36. PROVIDE STATE ARCHITECT CERTIFIED EARTHQUAKE-ACTUATED GAS SHUT OFF VALVES AT ALL NEW, RELOCATED, AND REPLACED GAS UTILITY METERS.
37. PROVIDE A DEDICATED 20 AMP CIRCUIT FOR EACH FAN MOTOR (F.A.U., EXHAUST, ECT.)
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NUMBER	LABEL	QTY	FLOOR	DIMENSIONS	TOP	EGRESS	TEMPERED	ARCH	DESCRIPTION
W01	W01-2030DH	2	2	24"x36"DH	96"		YES		DOUBLE HUNG
W02	W02-2040DH	1	2	24"x48"DH	96"				DOUBLE HUNG
W03	W03-2040DH	3	2	24"x48"DH	96"		YES		DOUBLE HUNG
W04	W04-2060DH	2	2	24"x60"DH	96"				DOUBLE HUNG
W05	W05-2060DH	2	2	24"x60"DH	96"		YES		DOUBLE HUNG
W06	W06-2060DH	6	1	24"x72"DH	96"				DOUBLE HUNG
W07	W07-2060DH	2	1	24"x72"DH	96"			BROKEN ARCH	DOUBLE HUNG-AT
W08	W08-2060DH	2	1	24"x72"DH	96"		YES		DOUBLE HUNG
W09	W09-4050LS	2	2	48"x60"LS	96"				LEFT SLIDING
W10	W10-4050LS	2	2	48"x60"LS	96"		YES		LEFT SLIDING
W11	W11-6020FX	2	2	72"x24"FX	116"			BROKEN ARCH	FIXED GLASS-AT
W12	W12-6040LS	2	2	72"x48"LS	96"		YES		LEFT SLIDING
W13	W13-6050LS	2	1	72"x60"LS	96"		YES		LEFT SLIDING
W14	W14-6050LS	2	2	72"x60"LS	96"		YES		LEFT SLIDING
W15	W15-6050LS	2	2	72"x60"LS	96"		YES		LEFT SLIDING
W16	W16-6060LS	4	1	72"x72"LS	96"				LEFT SLIDING

LIVING AREA  
2904 sq ft

FOR F.A.U. IN ATTIC, PROVIDE 36" SERVICE FLOOR, SWITCHED SERVICE LIGHT, SERVICE OUTLET, 24" WIDE CATWALK FROM ACCESS TO UNIT

A PORTABLE FIRE EXTINGUISHER IS REQUIRED IN THE HOUSE. PROVIDE A MINIMUM 2-A:10BC EXTINGUISHER.

SECOND FLOOR PLAN

SYMBOLS & LEGEND	
[Symbol]	NEW WALLS
[Symbol]	1-HOUR FIRE RATED WALLS
[Symbol]	DUPLEX OUTLET (ALL TAMPER-RESISTANT) 220V OUTLET
[Symbol]	GFCI PROTECTED OUTLET
[Symbol]	WEATHERPROOF OUTLET (ALL GFCI PROTECTED)
[Symbol]	WALL SWITCH
[Symbol]	WALL SWITCH TIMER
[Symbol]	WALL SWITCH, MANUAL ON, AUTO OFF
[Symbol]	DIMMER WALL SWITCH (INCANDESCENT ONLY)
[Symbol]	3-WAY WALL SWITCH
[Symbol]	WALL MOUNT LIGHT
[Symbol]	CEILING MOUNT LIGHT
[Symbol]	CEILING MOUNT FLUORESC. LIGHT
[Symbol]	UNDER CAB MOUNT FLUORESC. LIGHT
[Symbol]	RECESSED LIGHT (CFL= FLUORESC.)
[Symbol]	HEATER REGISTER
[Symbol]	SMOKE DETECTOR
[Symbol]	INTERCONNECTED (A/C, D/C) CARBON MONOXIDE DETECTOR
[Symbol]	INTERCONNECTED (A/C, D/C) DOORBELL
[Symbol]	PHONE/TV/NETWORK CABLE
[Symbol]	EXHAUST FAN
[Symbol]	EXHAUST FAN/FLUORESC. LIGHT/W sep. switch
[Symbol]	CEILING FAN

ATTIC VENTILATED PER C.R.C., C.P.C. 507.0 SUFFICIENT FOR COMBUSTION AIR FOR F.A.U. IN ATTIC PER MANUFACTURER'S INSTRUCTIONS

IN ADDITION TO THE PRIMARY CONDENSATE DRAINS, WHEN COOLING COILS ARE LOCATED IN THE ATTIC, A SECONDARY OR OVERFLOW DRAIN SHALL BE PROVIDED. THE OVERFLOW LINE SHALL BE A SEPARATE LINE FROM THE PRIMARY AND SHALL TERMINATE WHERE IT IS READILY OBSERVABLE, OVER A DOOR OR WINDOW.

ALL EXHAUST FANS SHALL BE EQUIPPED WITH A TIMER SWITCH, AND SWITCHED SEPARATELY FROM LIGHTING SYSTEMS.

30" MIN. CLEAR SPACE FOR TOILET (15" EACH WAY), WITH 24" CLEAR SPACE IN FRONT (TYP. @ ALL TOILETS)

COUNTY OF SANTA CLARA  
BUILDING INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT

PROVIDE 2x8 WOODEN BACKING IN ALL BATHROOM WALLS AT 3' OF 19 SHEETS TOILET, SHOWER AND BATHTUB, LOCATED AT 34" FROM FLOOR TO THE CENTER OF THE BACKING, SUITABLE FOR THE ADDITION OF GRAB BARS.



DOOR SCHEDULE									
NUMBER	LABEL	QTY	FLOOR	DIMENSIONS	TOP	TYPE	THICKNESS	TEMPERED	
D01	D01-16080	2	1	192"x96"X1 3/4"	96"	GARAGE	1 3/4"		
D02	D02-20268	1	2	24"x80"X1 1/2" L IN	80"	HINGED	1 1/2"	YES	
D03	D03-20268	2	2	24"x80"X1 1/2" L IN	80"	HINGED	1 1/2"		
D04	D04-20268	2	2	24"x80"X1 1/2" R IN	80"	HINGED	1 1/2"		
D05	D05-2468	1	1	28"x80"X1 3/8" R IN	80"	HINGED	1 3/8"		
D06	D06-2468	1	1	28"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D07	D07-2468	1	2	28"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D08	D08-2468	1	2	28"x80"X1 3/8" R IN	80"	HINGED	1 3/8"		
D09	D09-2668	4	1	30"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D10	D10-2668	3	1	30"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D11	D11-2668	6	2	30"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D12	D12-2668	6	2	30"x80"X1 3/8" R IN	80"	HINGED	1 3/8"		
D13	D13-2668	1	1	32"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D14	D14-2668	2	1	32"x80"X1 3/8" R IN	80"	HINGED	1 3/8"		
D15	D15-2668	2	2	32"x80"X1 3/8" L IN	80"	HINGED	1 3/8"		
D16	D16-2668	1	2	32"x80"X1 3/8" R IN	80"	HINGED	1 3/8"		
D17	D17-30268	1	1	36"x80"X1 3/4" L EX	80"	HINGED	1 3/4"		
D18	D18-30268	1	1	36"x80"X1 3/4" R EX	80"	HINGED	1 3/4"		
D19	D19-4868	2	2	(2) 28"x80"X1 3/8" L/R IN	80"	DOUBLE HINGED	1 3/8"		
D20	D20-5080	2	1	(2) 50"x86"X1 3/4" L/R EX	96"	DOUBLE HINGED	1 3/4"	YES	
D21	D21-8068	1	1	36"x80"X1 3/8" L IN	80"	SLIDER	1 3/8"		
D22	D22-8068	1	1	36"x80"X1 3/8" R IN	80"	SLIDER	1 3/8"		
D23	D23-8068	1	2	36"x80"X1 3/8" L IN	80"	SLIDER	1 3/8"		
D24	D24-8068	1	2	36"x80"X1 3/8" R IN	80"	SLIDER	1 3/8"		
D25	D25-8080	2	1	36"x86"X1 3/4" R EX	96"	SLIDER	1 3/4"	YES	
D26	D26-8080	2	2	36"x86"X1 3/4" R EX	96"	SLIDER	1 3/4"	YES	

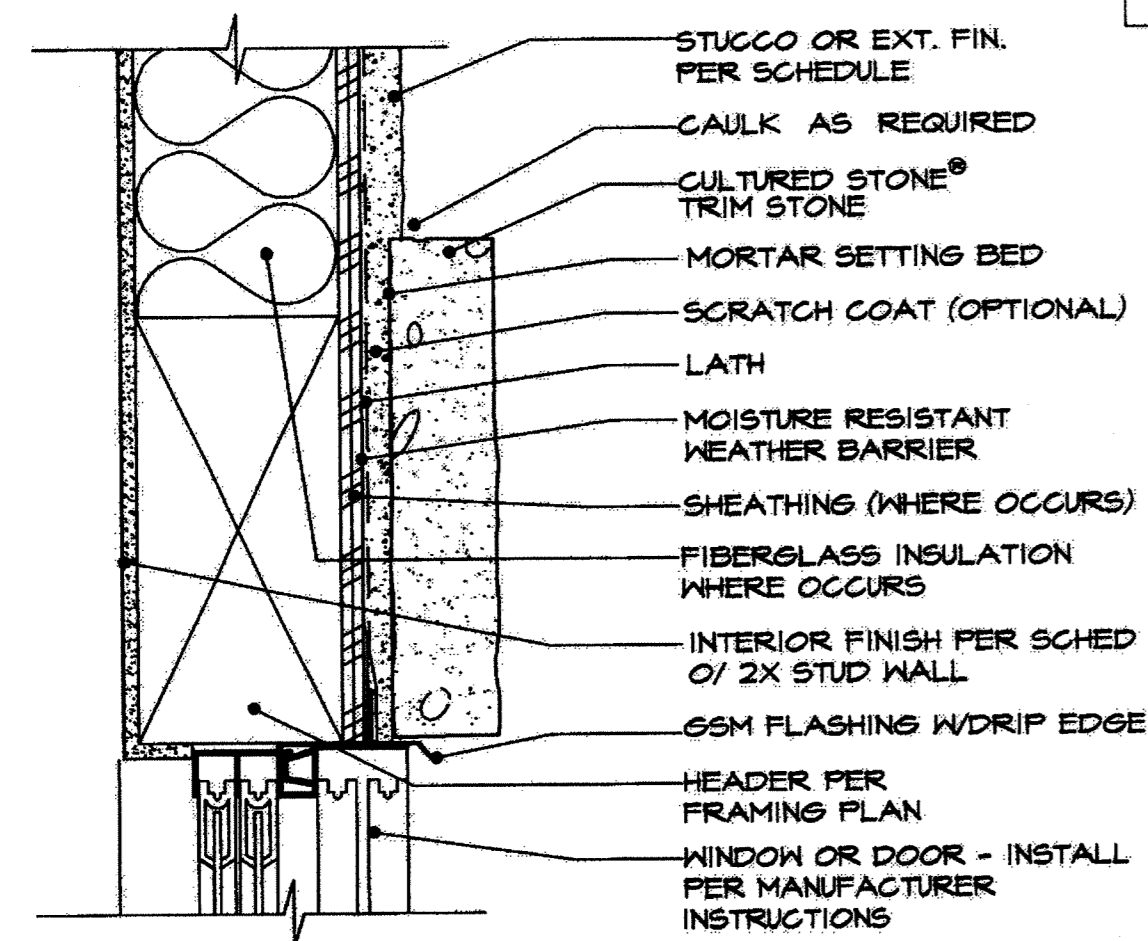
REVISIONS	BY
PLAN CHECK 5-14-14	[Signature]

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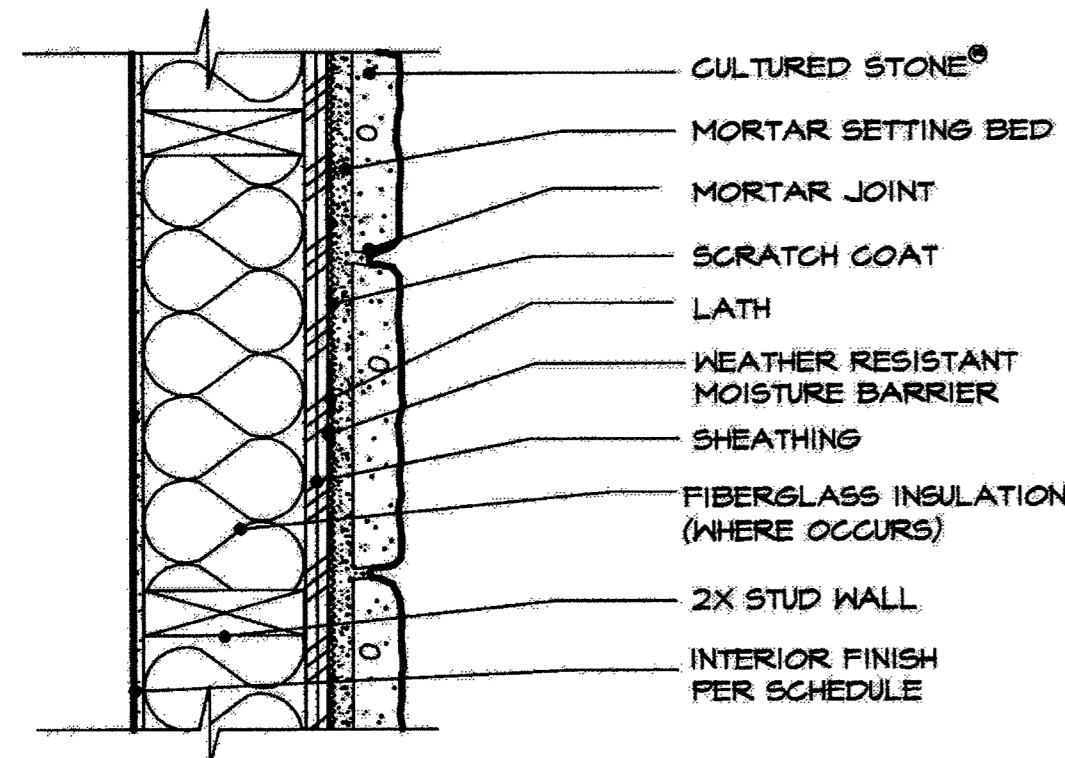
RICHARD A. HARTMAN  
ARCHITECTURE, INC.  
619 NORTH FIRST STREET, SAN JOSE, CA 95112  
408.995.0996  
RHArch@aol.com

LICENSED ARCHITECT  
RICHARD A. HARTMAN  
NO. C-19853  
REN. 7/31/15  
STATE OF CALIFORNIA

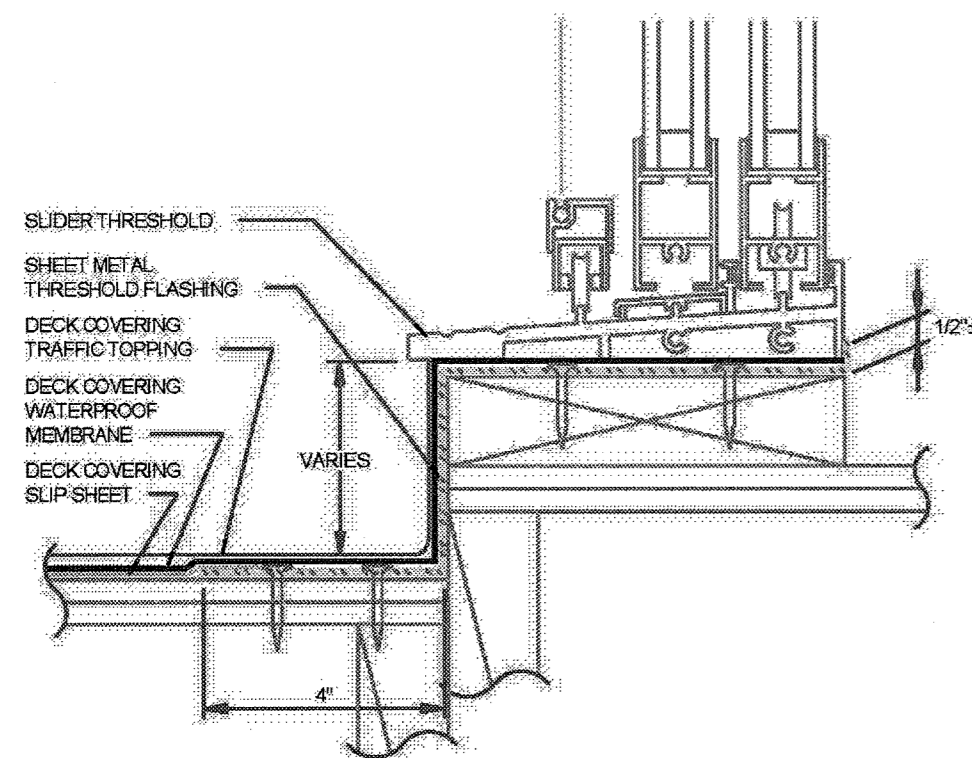
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SCALE: 1/4" = 1'-0"  
DRAWN: RAH  
JOB: 13-044  
SHEET: A-3  
of 3 Sheets



**1** CULTURED STONE® TRIM STONE HEAD  
SCALE: N.T.S. COPYRIGHT 2009 Owens Corning

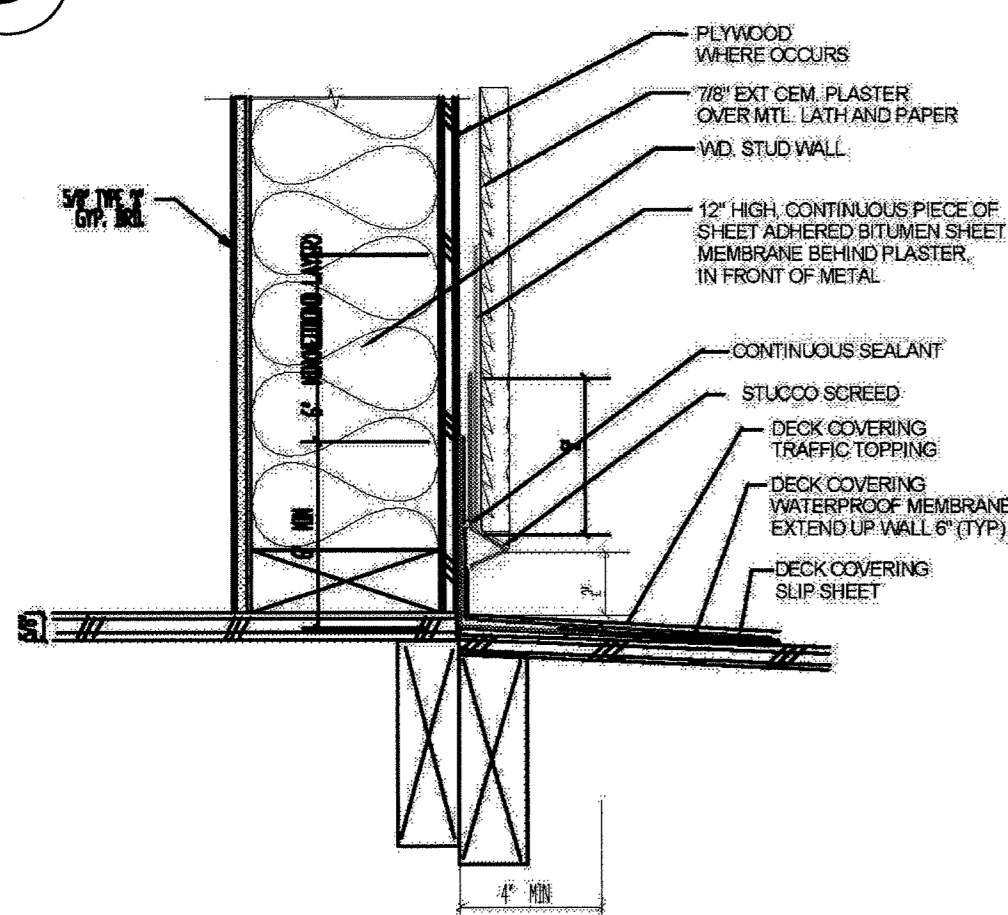


**2** CULTURED STONE® OVER SHEATHING OVER STUDS  
SCALE: N.T.S. COPYRIGHT 2009 Owens Corning  
INSTALL PER MANUFACTURE INSTRUCTIONS



REFER TO THE FOLLOWING INSTALLATION NOTES FOR ADDITIONAL REQUIRED INFORMATION:  
1. PLYWOOD SHEATHING AND FRAMING  
3A. SHEET METAL INSTALLATION - WOOD

**3** Slider Door Threshold Detail (1 of 2) - W2A



**4** Deck To Wall 2 piece Flashing Detail - W3A



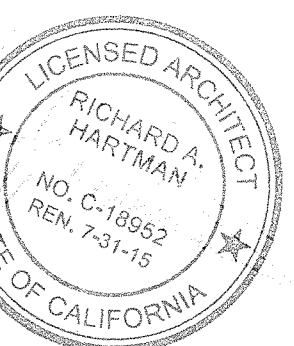
WEST ELEVATION



SOUTH ELEVATION

REVISIONS	BY
PLAN CHECK 5-14-14	1

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NEW DUPLEX FOR:

Date 1 - 31 - 14  
Scale 1/4" = 1'-0"  
Drawn RAH  
Job 13-044  
Sheet  
**A-4**  
of Sheets

COUNTY OF SANTA CLARA  
BUILDING INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT  
SHEET NO. 4 OF 19 SHEETS  
BY RAH DATE 6/5/14  
PLANS MUST BE ON JOB FOR INSPECTIONS

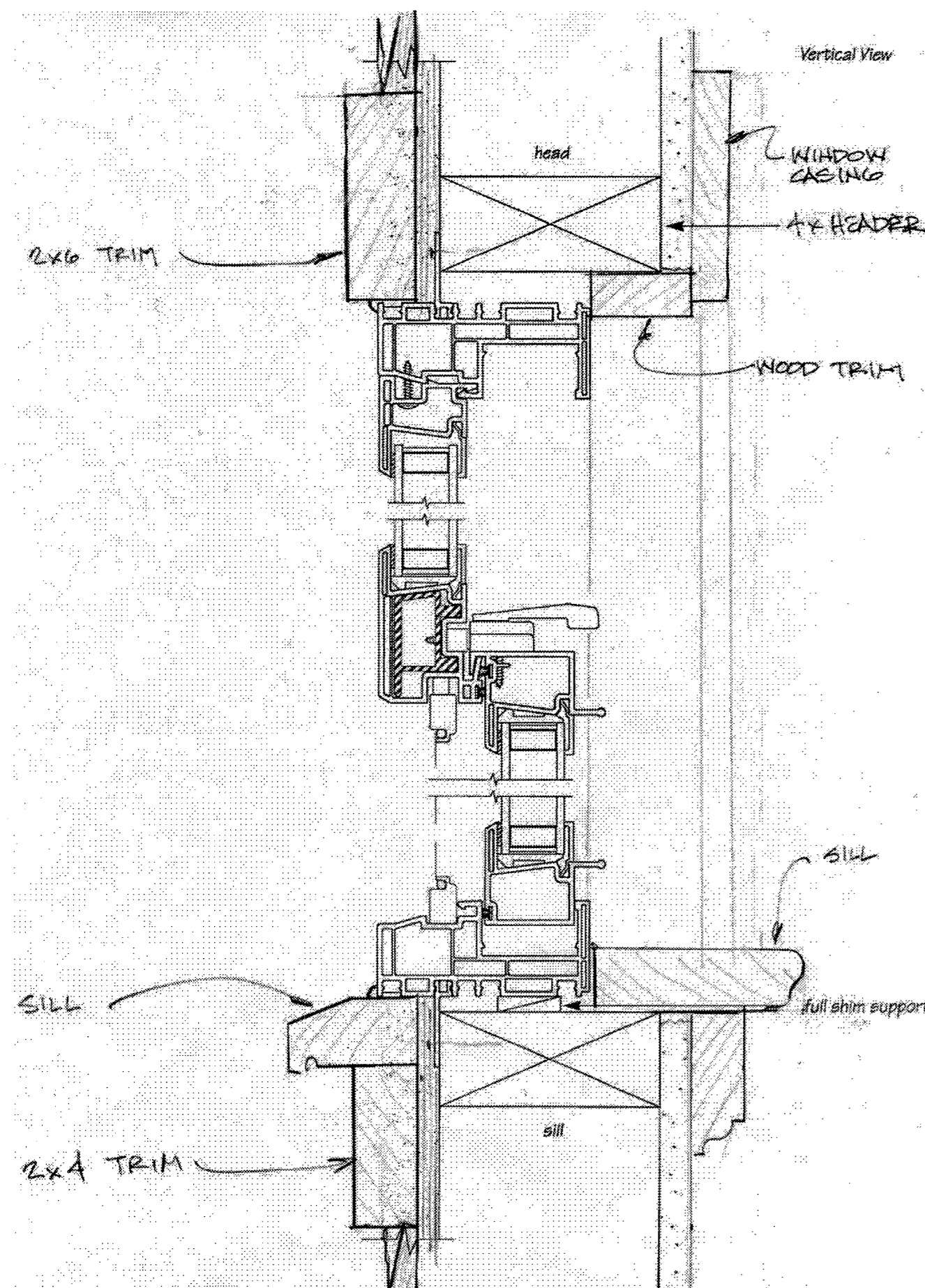
7/8" (3) COAT STUCCO OVER METAL LATH OVER (2) LAYERS GRADE "D" BUILDING PAPER. (PER C.B.C. 2512)  
26 GA. GALV. WEEP SCREED, 4" MIN. ABOVE GRADE, 2" MIN ABOVE CONCRETE (TYP.)

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED			
GA FILE NO. WP 3614	GENERIC	1 HOUR FIRE	30 to 34 STC SOUND
GYPSUM WALLBOARD, WOOD STUDS			
One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1 1/4" Type W drywall screws 12" o.c. Joints staggered 16" on opposite sides. (LOAD-BEARING)			
Thickness: 4 1/4"		Approx. Weight: 7 psf	
Fire Test: SWRI 01-4511-619(1), 3-94		Sound Test: See WP 3520 (G&H NG-248FT, 7-2-85)	

1 1-HOUR FIRE WALL

GA FILE NO. WP 5508	PROPRIETARY*	1 HOUR FIRE	55 to 59 STC SOUND
GYPSUM WALLBOARD, WOOD STUDS			
One layer 5/8" proprietary type X gypsum wallboard applied parallel or at right angles to each side of double row of 2 x 4 wood studs 24" o.c. on separate plates with 1 1/4" drywall screws 8" o.c. No minimum airspace between rows of studs. Joints staggered 16" on opposite sides. Sound tested with 1" air space between rows of studs and 3 1/2" glass fiber insulation in stud cavity on both sides. (LOAD-BEARING)			
PROPRIETARY GYPSUM BOARD American Gypsum Company LLC		5/8" FireBloc® Type X	
Thickness: 9 1/4"		Approx. Weight: 10 psf	
Fire Test: UL R14196, 06NKK07241, 3-13-06, UL Design U341		Sound Test: RAL TL11-160, 7-11-11	

2 1-HOUR FIRE/SOUND PARTY WALL



3 TYPICAL WINDOW TRIM  
INSTALL PER MANUFACTURER'S INSTRUCTIONS



EAST ELEVATION



NORTH ELEVATION

REVISIONS	BY
PLAN CHECK 5-14-14	1

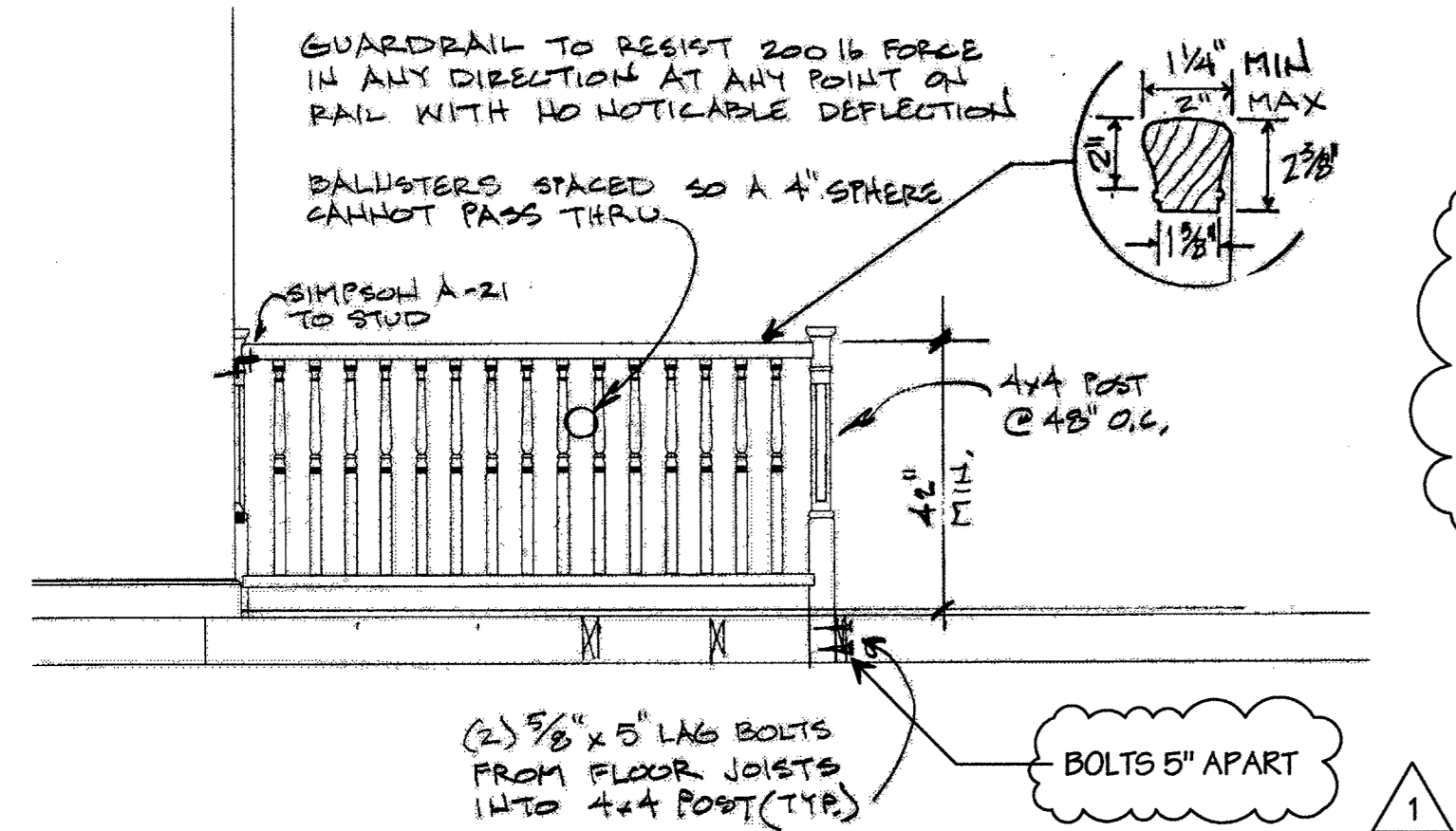
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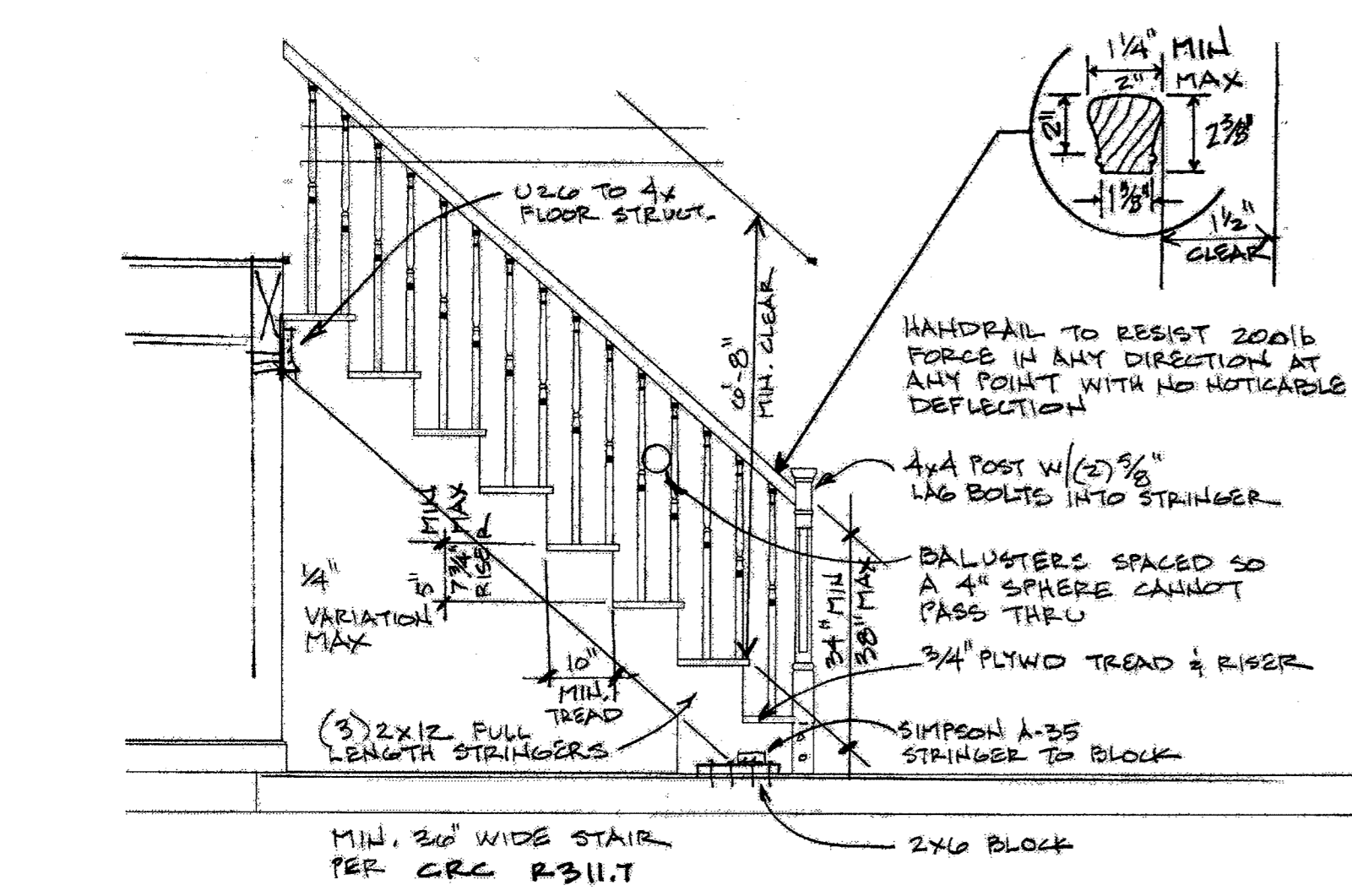
NEW DUPLEX FOR

COUNTY OF SANTA CLARA  
BUILDINGS INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT  
SHEET NO. 5 OF 19 SHEETS  
BY *MMA* DATE 6/5/14  
PLANS MUST BE ON JOB FOR INSPECTIONS

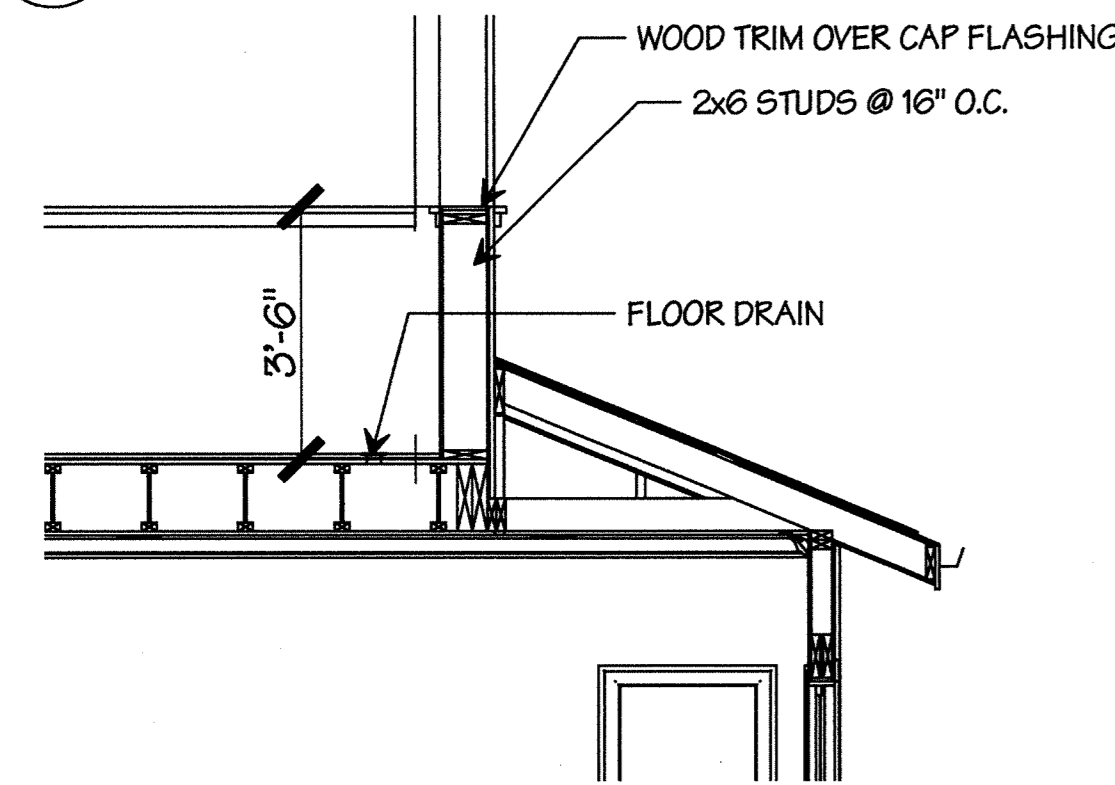
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Scale	1/4" = 1'-0"
Drawn	RAH
Job	13-044
Sheet	A-5
of	Sheets



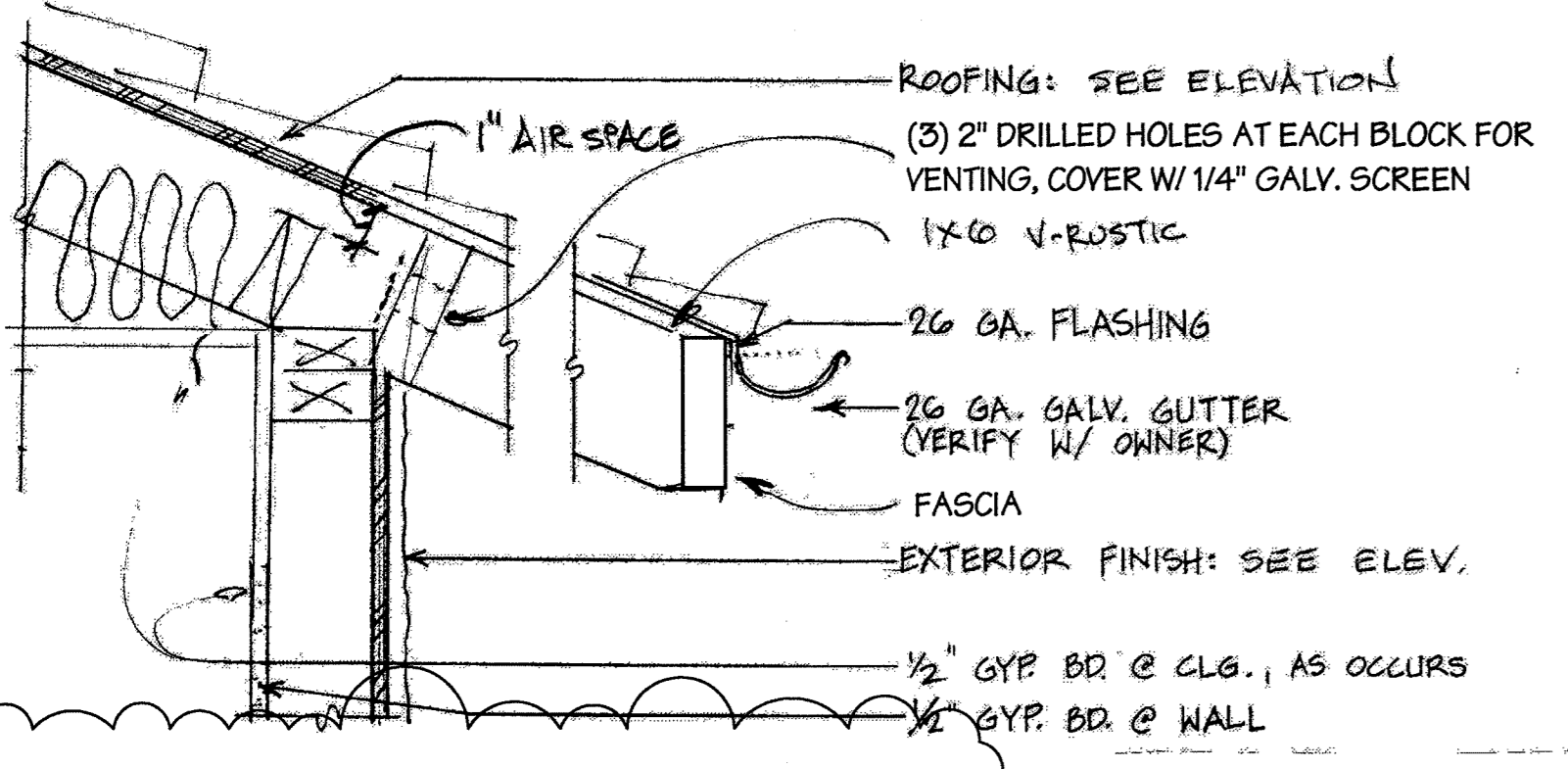
3 INTERIOR RAIL



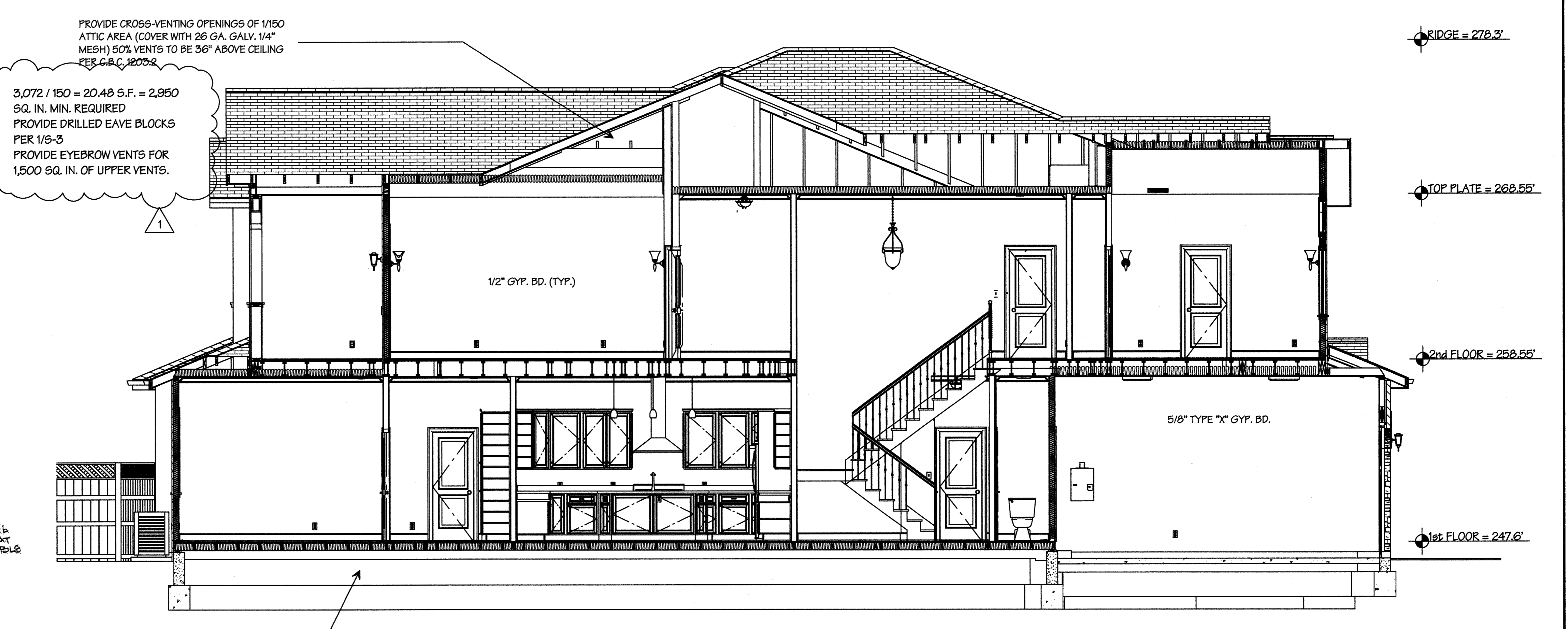
4 STAIR



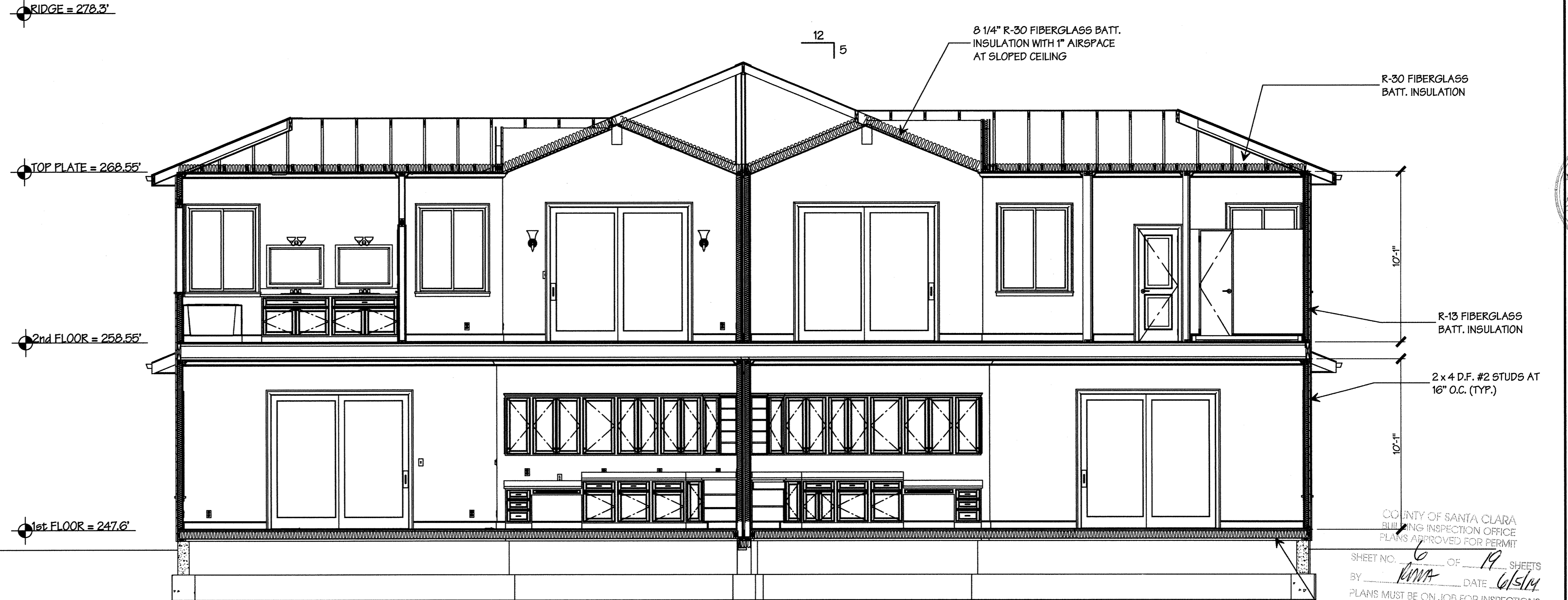
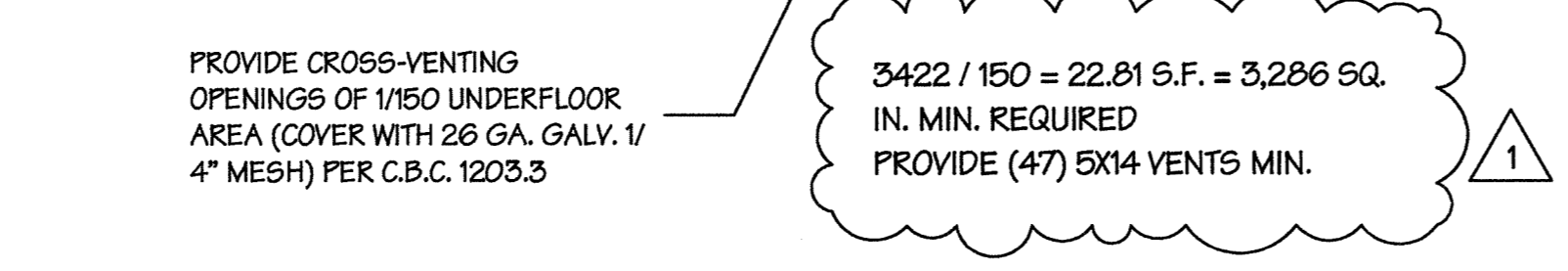
5 EXTERIOR BALCONY RAIL



6 TYP. EAVE VENTING



1 SECTION



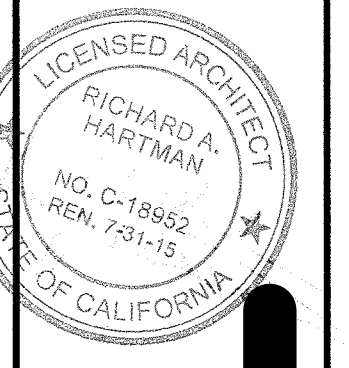
2 SECTION

COUNTY OF SANTA CLARA  
BUILDING INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT  
SHEET NO. 6 OF 19 SHEETS  
BY *RAHA* DATE 6/5/14  
PLANS MUST BE ON JOB FOR INSPECTIONS  
R-19 FIBERGLASS BATT. INSULATION

REVISIONS	BY
PLAN CHECK 5-14-14	1

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619 NORTH FIRST STREET, SAN JOSE, CA 95112



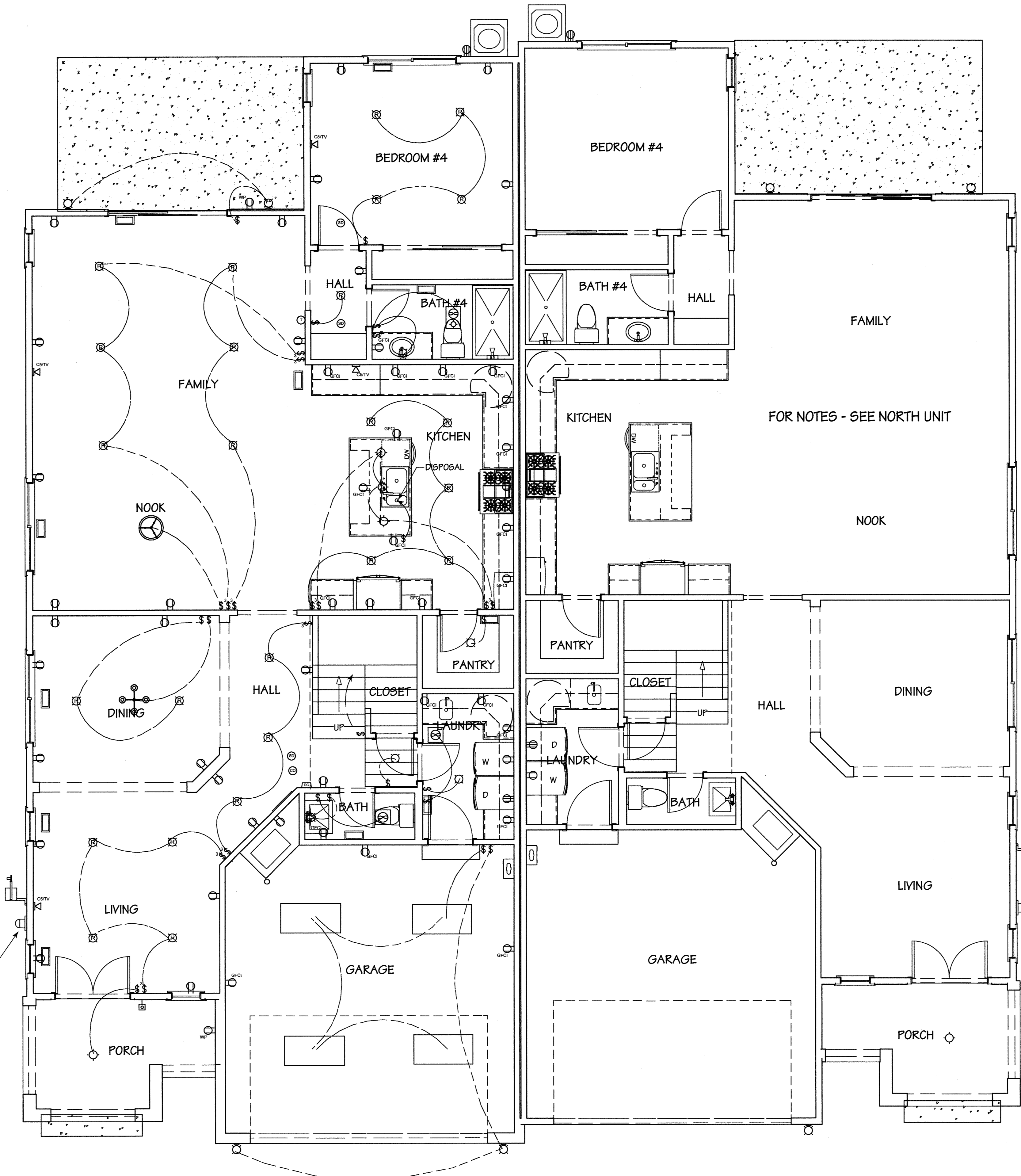
NEW DUPLEX FOR:

Date 1-31-14  
Scale 1/4" = 1'-0"  
Drawn RAH  
Job 13-044  
Sheet  
**A-6**  
of Sheets

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS NOTED OTHERWISE
2. ADJUST DIMENSIONS TO ALIGN WITH EXISTING CONDITIONS IN THE FIELD, WHERE APPLICABLE.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT IMMEDIATELY.
4. INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT SHALL BE POSTED AND PROVIDED TO THE FIELD INSPECTOR AT TIME OF INSPECTION
5. SLOPE FINISH GRADE AT 5% MIN. FOR 10' AWAY FROM HOUSE & 1% MIN. TO AN APPROVED FACILITY
6. PROVIDE NON-REMOVABLE BACK FLOW PROTECTION AT ALL EXTERIOR HOSE BIBBS
7. PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS, MIN. WINDOW OPENINGS OF 24" MIN. CLEAR HEIGHT, 20" MIN. CLEAR WIDTH, 5.7 SQ. FT. MIN. AREA WITH 44" MAXIMUM TO BOTTOM
8. TERMINATION OF ALL ENVIRONMENTAL AIR DUCTS (I.E. DRYERS, BATH & UTILITY FANS, ECT.) SHALL BE A MINIMUM OF 3 FEET AWAY FROM ANY OPENINGS INTO THE BUILDING (DOORS, WINDOWS, OPENING SKYLIGHTS, OR ATTIC VENTS)
9. ALL AIR DUCTS PENETRATING A SEPARATION WALL OR CEILING BETWEEN GARAGE AND LIVING AREA SHALL BE 26 GA. MINIMUM
10. ALL EXHAUST FANS SHALL BE "ENERGY STAR" AND SEPARATELY SWITCHED WITH TIMER OR HUMIDISTAT SWITCHES AND CAPABLE OF 5 AIR CHANGES PER HOUR (MIN. 50 CFM) AT BATHS, TOILETS, AND LAUNDRY
11. ALL WATER CLOSETS SHALL BE MAXIMUM 1.28 GALLONS PER FLUSH
12. PROVIDE A SMOOTH, HARD, NONABSORBENT SURFACE OVER A MOISTURE RESISTANT UNDERLAYMENT TO A MINIMUM HEIGHT OF 72" ABOVE THE DRAIN INLET AT SHOWERS & TUBS/SHOWERS (NO GREEN BOARD)
13. SHOWER AND TUB/SHOWER COMBINATIONS SHALL BE PROVIDED WITH PRESSURE BALANCE ANTI-SCALD VALVES TO 120F MAX. WITH MAX. 2.0 GPM FLOW @ 80 PSI, SINK FAUCETS MAX. 1.5 GPM FLOW @ 20 PSI.
14. SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, HAVING A MINIMUM INTERIOR FLOOR AREA OF 1,024 SQUARE INCHES, SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30-INCH CIRCLE, AND OUTWARD SWING 22" MIN. DOOR
15. ALL UNDERFLOOR PLUMBING CLEANOUTS SHALL BE WITHIN 20' OF THE UNDERFLOOR ACCESS, OR EXTENDED TO THE EXTERIOR
16. KITCHEN SHALL HAVE SEPARATE CIRCUITS FOR DISPOSAL, DISHWASHER, & TWO (2) 20 AMP CIRCUITS LIMITED TO SUPPLYING WALL AND COUNTER SPACE OUTLETS.
17. FOR 30 AMP ELECTRIC DRYERS AND COOKTOPS PROVIDE WIRES WITH INSULATED NEUTRAL AND 4-PRONG OUTLET
18. LAUNDRY ROOM AND BATHROOM COUNTERTOP OUTLETS SHALL BE EACH SUPPLIED WITH A DEDICATED 20 AMP CIRCUIT
19. ALL ELECTRIC SWITCHES SHALL BE OF THE SCREW TYPE GROUND.
20. ALL BRANCH CIRCUITS IN ALL ROOMS OTHER THAN KITCHEN & BATHS SHALL BE PROTECTED BY COMBINATION ARCH-Fault CIRCUIT INTERRUPTERS (C.E.C. 210.12.B)
21. LIGHT FIXTURES LOCATED OVER TUBS OR SHOWER ENCLOSURES SHALL BE LABELED "SUITABLE FOR DAMP LOCATIONS"
22. A PERMANENT LABEL SHALL IDENTIFY EACH LITE OF SAFETY GLAZING
23. T-24 INSTALLATION CERTIFICATE (CF-6R) AND INSTALLATION CERTIFICATE OF INSULATION (C-1) SHALL BE SUBMITTED TO THE FIELD INSPECTOR AT TIME OF FINAL INSPECTION.
24. RECESSED LUMINARIES IN INSULATED CEILINGS SHALL BE A.T. & I.C. RATED, ELECTRONIC BALLAST AND CAULKED AIR-TIGHT
25. DRYER EXHAUST VENTS SHALL BE PER MANUF. REQUIREMENTS OR MAX. 14' IN LENGTH, TERMINATING 3' CLEAR OF ANY OPENINGS
26. JOINTS AND SEAMS OF DUCT SYSTEMS SHALL BE SEALED WITH UL 181 LISTED DUCT TAPE, AND INSULATED WITH R-6 MIN.
27. ALL PENETRATIONS INTO UNCONDITIONED SPACE (ATTICS, UNDERFLOORS, ECT.) SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
28. ALL PENETRATIONS IN TOP PLATES, FLOORS, ECT. SHALL BE CAULKED WITH A RESIDENTIAL FIRE RATED CAULK WITH AN ASTM E136 OR E814 RATING (CRC R302.1)
29. EGRESS WINDOWS WITH MULTIPLE LATCHES SHALL HAVE THEM INTERCONNECTED AND OPERABLE FROM THE LOWEST LATCH.
30. SHOWER ENCLOSURE DOORS SHALL OPEN OUT WITH A CLEAR OPENING OF 22" MIN. IN THE OPEN POSITION
31. SMOKE DETECTORS SHALL BE INSTALLED IN ALL BEDROOMS AND AT AREAS LEADING TO BEDROOMS.
32. ALL 15-AMP AND 20-AMP DWELLING UNIT RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES (CEC 406.11)
33. MAIN ENTRY DOOR SHALL BE OPENABLE FROM THE INSIDE OF THE DWELLING WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.
34. A COMPLETED FORM CF-6R-LTG-01 MUST BE PROVIDED TO THE FIELD INSPECTOR, PRIOR TO FINAL INSPECTION.
35. VENTILATION HEATING AND AIR CONDITIONING SYSTEMS SHALL HAVE A MERV-6 FILTER OR BETTER.
36. PROVIDE STATE ARCHITECT CERTIFIED EARTHQUAKE-ACTUATED GAS SHUT OFF VALVES AT ALL NEW, RELOCATED, AND REPLACED GAS UTILITY METERS.
37. PROVIDE A DEDICATED 20 AMP CIRCUIT FOR EACH FAN MOTOR (F.A.U., EXHAUST, ECT.)
38. PROVIDE COMBO SMOKE/CARBON MONOXIDE DETECTORS AT HALLWAYS ON EACH LEVEL AND OUTSIDE OF BEDROOMS (PER CRC 315.1)
39. A GAS PIPING LAYOUT PLAN SHALL BE PROVIDED TO THE FIELD INSPECTOR BY THE CONTRACTOR AT TIME OF INSPECTION.
40. FOR ANY L.E.D. LIGHTS TO QUALIFY AS HIGH EFFICACY LISTING, THEY MUST BE CERTIFIED BY THE ENERGY COMMISSION AND LISTED ON THEIR DATABASE AT <http://www.appliances.energy.ca.gov/>. PROVIDE TO THE FIELD INSPECTOR EVIDENCE OF CERTIFICATION FOR ALL HIGH EFFICACY L.E.D. LIGHTS AS SELECTED BY THE OWNER.

NEW 200 AMP ELEC. PANEL WITH UFER GROUND



LIVING AREA  
3422 sq ft

ELECTRICAL FIRST FLOOR PLAN

SYMBOLS & LEGEND	
	NEW WALLS
	1-HOUR FIRE RATED WALLS
	DUPLEX OUTLET (ALL TAMPER-RESISTANT)
	220V OUTLET
	GFCI PROTECTED OUTLET
	WEATHERPROOF OUTLET (ALL GFCI PROTECTED)
	WALL SWITCH
	WALL SWITCH TIMER
	WALL SWITCH, MANUAL ON, AUTO OFF
	DIMMER WALL SWITCH (INCANDES. ONLY)
	3-WAY WALL SWITCH
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	CEILING MOUNT FLUORES. LIGHT
	UNDER CAB. MOUNT FLUORES. LIGHT
	RECESSED LIGHT (CFL = FLUORES.)
	HEATER REGISTER
	SMOKE DETECTOR INNERCONNECTED (A/C, D/C)
	CARBON MONOXIDE DETECTOR INNERCONNECTED (A/C, D/C)
	DOORBELL
	PHONE/TV/NETWORK CABLE
	EXHAUST FAN
	EXHAUST FAN/FLUORES. LIGHT w/ sep. switch
	CEILING FAN

ALL FLUORESCENT LIGHTS TO BE HIGH EFFICACY

ALL NEW LIGHTING FIXTURES SHALL BE FLUORESCENT OR L.E.D.

ALL EXTERIOR MOUNTED LIGHTS SHALL BE HIGH EFFICACY OR CONTROLLED BY MOTION SENSOR + PHOTOCONTROL

FOR REFERENCE ONLY



REVISIONS	BY
PLAN CHECK 5-14-14	1

**HOMETEC**  
ARCHITECTURE, INC.

RICHARD A. HARTMAN  
A.I.A.

619 NORTH FIRST STREET, SAN JOSE, CA 95112

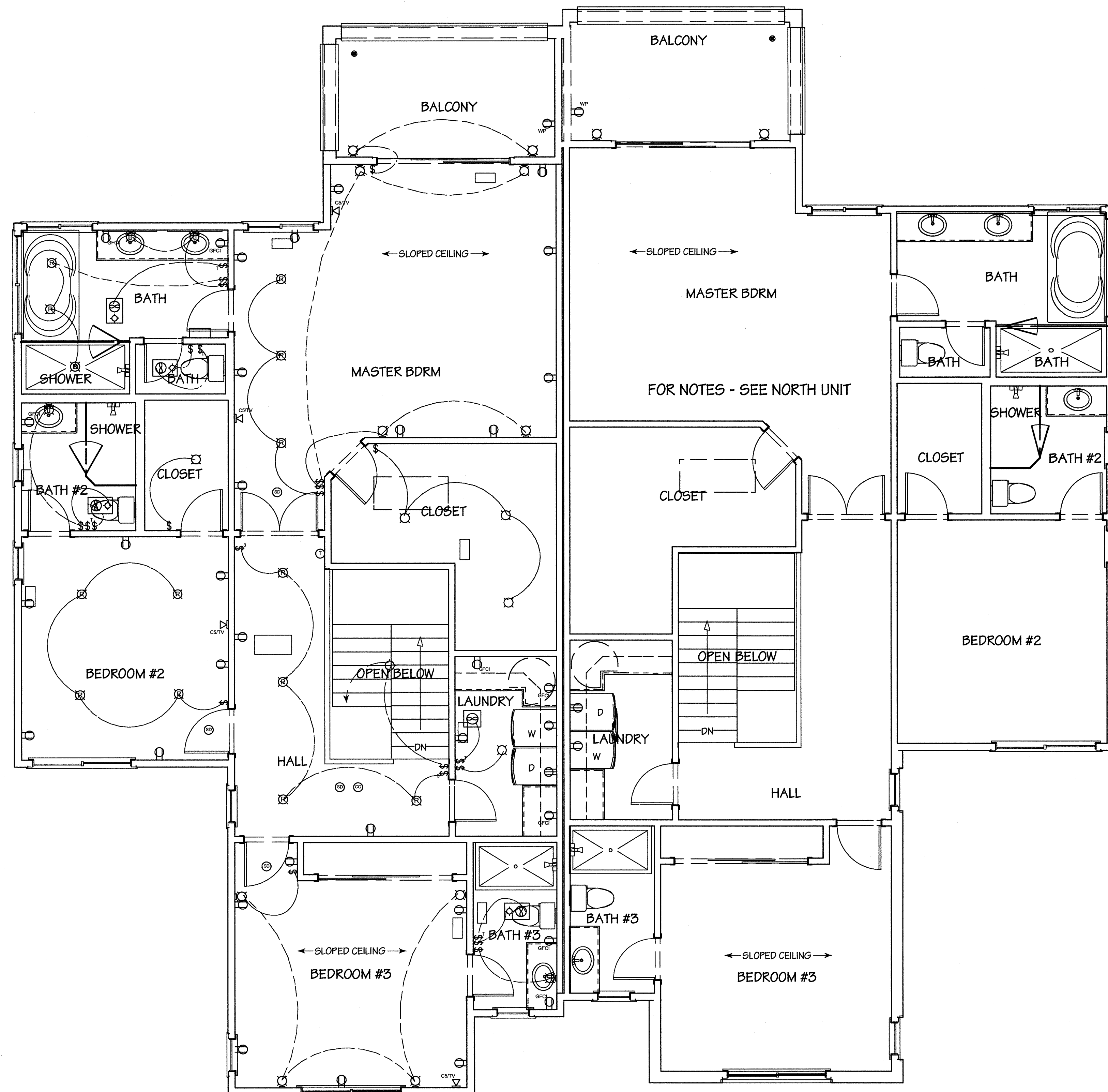
408995-0966  
hometecarch@hometec.com

NEW DUPLEX FOR:

Date	1 - 31 - 14
Scale	1/4" = 1'-0"
Drawn	RAH
Job	13-044
Sheet	E-1
of	Sheets

GENERAL NOTES

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- SLOPE FINISH GRADE AT 5% MIN. FOR 10' AWAY FROM HOUSE & 1% MIN. TO AN APPROVED FACILITY
- PROVIDE NON-REMOVABLE BACK FLOW PROTECTION AT ALL EXTERIOR HOSE BIBBS
- PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS, MIN. WINDOW OPENINGS OF 24" MIN. CLEAR HEIGHT, 20" MIN. CLEAR WIDTH, 5.7 SQ. FT. MIN. AREA WITH 44" MAXIMUM TO BOTTOM
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- ALL WATER CLOSETS SHALL BE MAXIMUM 1.20 GALLONS PER FLUSH
- PROVIDE A SMOOTH, HARD, NONABSORBENT SURFACE OVER A MOISTURE RESISTANT UNDERLAYMENT TO A MINIMUM HEIGHT OF 72" ABOVE THE DRAIN INLET AT SHOWERS & TUBSHOWERS (NO GREEN BOARD)
- SHOWER AND TUB/SHOWER COMBINATIONS SHALL BE PROVIDED WITH PRESSURE BALANCE ANTI-SCALD VALVES TO 120F MAX. WITH MAX. 2.0 GPM FLOW @ 80 PSI, SINK FAUCETS MAX. 1.5 GPM FLOW @ 20 PSI.
- SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, HAVING A MINIMUM INTERIOR FLOOR AREA OF 1,024 SQUARE INCHES, SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30-INCH CIRCLE, AND OUTWARD SWING 22" MIN. DOOR.
- ALL UNDERFLOOR PLUMBING CLEANOUTS SHALL BE WITHIN 20' OF THE UNDERFLOOR ACCESS, OR EXTENDED TO THE EXTERIOR
- KITCHEN SHALL HAVE SEPARATE CIRCUITS FOR DISPOSAL, DISHWASHER, & TWO (2) 20 AMP CIRCUITS LIMITED TO SUPPLYING WALL AND COUNTER SPACE OUTLETS.
- FOR 30 AMP ELECTRIC DRYERS AND COOKTOPS PROVIDE WIRES WITH INSULATED NEUTRAL AND 4-PRONG OUTLET
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- ALL BRANCH CIRCUITS IN ALL ROOMS OTHER THAN KITCHEN & BATHS SHALL BE PROTECTED BY COMBINATION ARCH-FAULT CIRCUIT INTERRUPTERS (C.E.C. 210.12.B)
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- DRYER EXHAUST VENTS SHALL BE PER MANUF. REQUIREMENTS OR MAX. 14" IN LENGTH, TERMINATING 3' CLEAR OF ANY OPENING
- JOINTS AND SEAMS OF DUCT SYSTEMS SHALL BE SEALED WITH UL 181 LISTED DUCT TAPE, AND INSULATED WITH R-6 MIN.
- ALL PENETRATIONS INTO UNCONDITIONED SPACE (ATTICS, UNDERFLOORS, ECT.) SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
- ALL PENETRATIONS IN TOP PLATES, FLOORS, ECT. SHALL BE CAULKED WITH A RESIDENTIAL FIRE RATED CAULK WITH AN ASTM E136 OR E814 RATING (CRC R302.1)
- EGRESS WINDOWS WITH MULTIPLE LATCHES SHALL HAVE THEM INTERCONNECTED AND OPERABLE FROM THE LOWEST LATCH.
- SHOWER ENCLOSURE DOORS SHALL OPEN OUT WITH A CLEAR OPENING OF 22" MIN. IN THE OPEN POSITION
- SMOKE DETECTORS SHALL BE INSTALLED IN ALL BEDROOMS AND AT AREAS LEADING TO BEDROOMS.
- ALL 15-AMP AND 20-AMP DWELLING UNIT RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTALS (CEC 406.11)
- MAIN ENTRY DOOR SHALL BE OPENABLE FROM THE INSIDE OF THE DWELLING WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.
- A COMPLETED FORM CF-6R-LTG-01 MUST BE PROVIDED TO THE FIELD INSPECTOR, PRIOR TO FINAL INSPECTION.
- VENTILATION HEATING AND AIR CONDITIONING SYSTEMS SHALL HAVE A MERV-6 FILTER OR BETTER.
- PROVIDE STATE ARCHITECT CERTIFIED EARTHQUAKE-ACTUATED GAS SHUT OFF VALVES AT ALL NEW, RELOCATED, AND REPLACED GAS UTILITY METERS.
- PROVIDE A DEDICATED 20 AMP CIRCUIT FOR EACH FAN MOTOR (F.A.U., EXHAUST, ECT.)
- PROVIDE COMBO SMOKE/CARBON MONOXIDE DETECTORS AT HALLWAYS ON EACH LEVEL AND OUTSIDE OF BEDROOMS (PER CRC 315.1)
- A GAS PIPING LAYOUT PLAN SHALL BE PROVIDED TO THE FIELD INSPECTOR BY THE CONTRACTOR AT TIME OF INSPECTION.
- FOR ANY L.E.D. LIGHTS TO QUALIFY AS HIGH EFFICACY LIGHTING, THEY MUST BE CERTIFIED BY THE ENERGY COMMISSION AND LISTED ON THEIR DATABASE AT <http://www.energy.ca.gov/>. PROVIDE TO THE FIELD INSPECTOR EVIDENCE OF CERTIFICATION FOR ALL HIGH EFFICACY L.E.D. LIGHTS AS SELECTED BY THE OWNER.



LIVING AREA  
2904 sq ft

FOR F.A.U. IN ATTIC, PROVIDE: 36" SERVICE FLOOR, SWITCHED SERVICE LIGHT, SERVICE OUTLET, 24" WIDE CATWALK FROM ACCESS TO UNIT

SYMBOLS & LEGEND	
	NEW WALLS
	1-HOUR FIRE RATED WALLS
	DUPLEX OUTLET (ALL TAMPER-RESISTANT)
	220V OUTLET
	GFCI PROTECTED OUTLET
	WEATHERPROOF OUTLET (ALL GFCI PROTECTED)
	WALL SWITCH
	WALL SWITCH TIMER
	WALL SWITCH, MANUAL ON, AUTO OFF
	DIMMER WALL SWITCH (INCANDESCENT ONLY)
	3-WAY WALL SWITCH
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	CEILING MOUNT FLUORESC. LIGHT
	UNDER CAB. MOUNT FLUORESC. LIGHT
	RECESSED LIGHT (CFL= FLUORESC.)
	HEATER REGISTER
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	INTERCONNECTED (A/C, D/C) DETECTOR
	DOORBELL
	PHONE/TV/NETWORK CABLE
	EXHAUST FAN
	EXHAUST FAN/FLUORESC. LIGHT w/ sep. switch
	CEILING FAN

ALL EXHAUST FANS SHALL BE EQUIPPED WITH A TIMER SWITCH, AND SWITCHED SEPARATELY FROM LIGHTING SYSTEMS.

ALL NEW LIGHTING FIXTURES SHALL BE FLUORESCENT OR L.E.D.

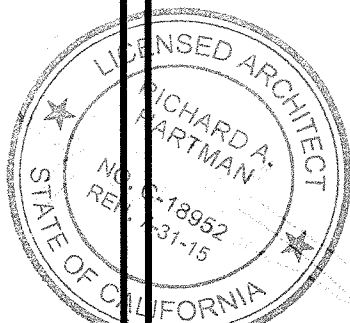
FOR REFERENCE ONLY



ELECTRICAL SECOND FLOOR PLAN

REVISIONS	BY
PLAN CHECK 5-14-14	1

**HOMETEC**  
ARCHITECTURE, INC.  
619 NORTH FIRST STREET, SAN JOSE, CA 95112  
RICHARD A. HARTMAN  
A.I.A.  
408-995-0406  
rhartman@hometec.com



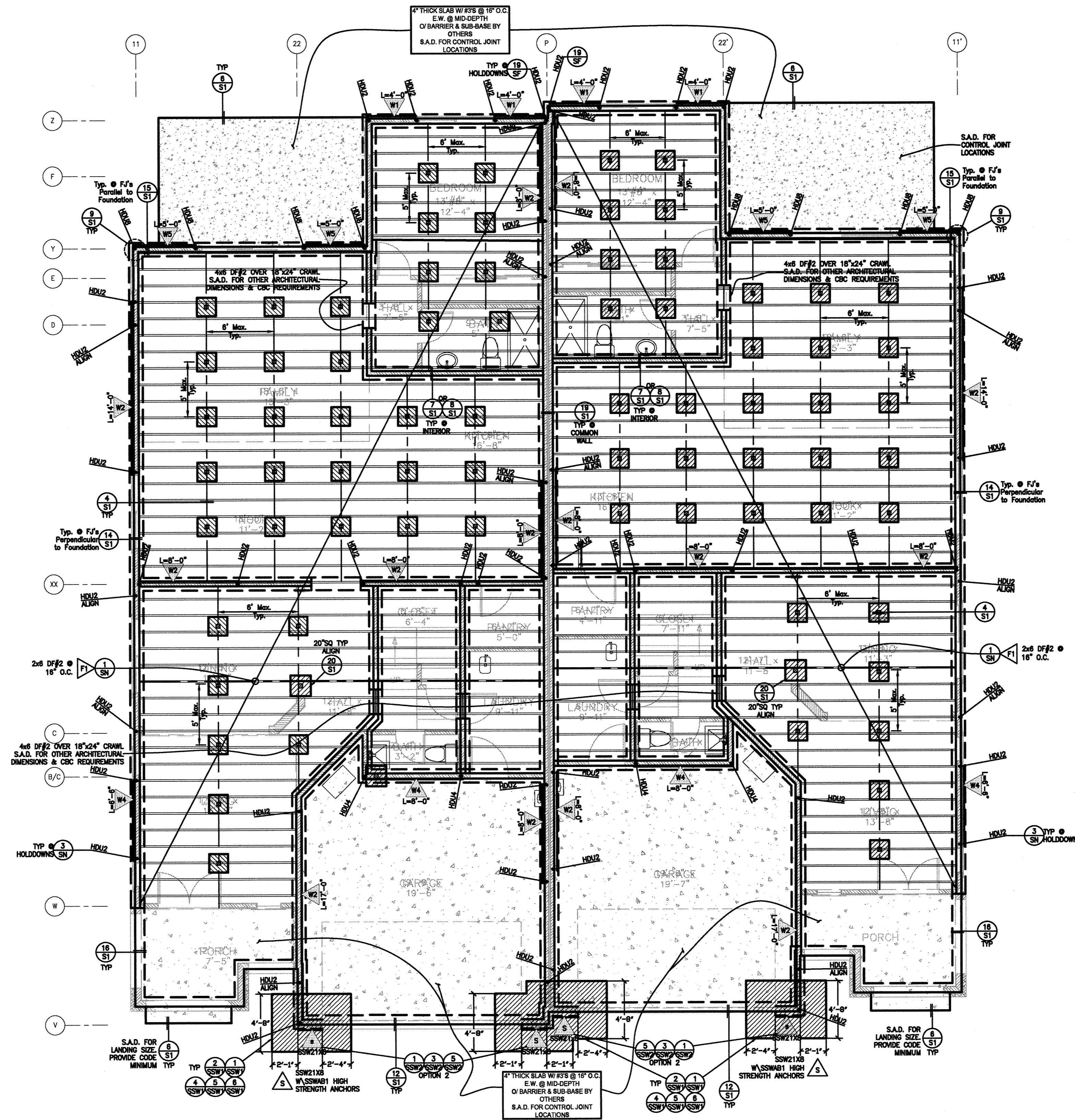
NEW DUPLEX FOR:

Date	1 - 31 - 14
Scale	1/4" = 1'-0"
Drawn	RAH
Job	13-044
Sheet	E-2



# FOUNDATION NOTES

- Partial foundation notes are given here for your convenience, contractor shall read and follow the Structural Notes on other sheet in its entirety.
- SOILS ENGINEER'S APPROVAL:
  - Foundation plans must be approved and certified in writing by the Project Soils Engineer (if exists). Contractor/Owner is responsible for acquiring such approval PRIOR to starting any foundation work.
  - Soils engineer may be required to monitor/verify the foundation work (trenching, pier drilling, etc.) including footing depth, width and soil preparation. Contractor shall read soils report for details.
- FOUNDATION
  - Grade beams: Unless noted otherwise, all continuous footings shall have (1) #5 near the top and (1) #5 near the bottom.
  - Welded wire fabric is not permitted for structural flat-work. Use #3's @ 18" o.c. each way at mid-depth. Placing the reinforcement at slab mid-depth is very important. Adobe seats or rebar chairs are mandatory and MUST seat/bear on base rock - NOT sand.
  - The slab reinforcement, shall be extended into the perimeter grade beams with 2" distance from the face of the footing.
  - Unless shown in details, 2-pour system is not allowed. Pier to Grade Beam excepted.
- CONCRETE:
  - Concrete shall be of normal weight and  $F_c = 2500$  psi minimum at 28 days. Cement to be Portland cement ASTM C-150 type I or II.
    - Aggregate per ASTM C-33
    - Water to be clean and potable.
    - High alumina cement must not be used in concrete because of high sulfate contents.
    - No admixtures containing calcium chlorides or other chlorides shall be added to the concrete.
  - Unless shown otherwise on plans, cold joints are not allowed.
  - Concrete placement shall be in one continuous operation, uniformly placed and must be vibrated and well consolidated.
  - Concrete shall be cured per ACI 318 "Current practices and ACI committee 308 Standard Practice for Curing Concrete"
- REBARS:
  - Reinforcing steel may be ASTM A615 Grade 60.
  - Rebars to be welded shall be ASTM A706
  - Lap all reinforcing splices a minimum 48 bar diameters but in no cases less than 24".
- HOLD-DOWN NOTES:
  - Hold-down rods/straps shall be set in place prior to foundation inspection and concrete pouring.
  - Where strap hold-downs are used, foundation rebar must be located above and near the hold-down return hook.
  - Simpson "STAB" bolts shall be used if so specified on plans or details. Where not specified, hold-down rods shall be threaded rods with double nut and 2"x2" washer at bottom.
- POST BASE: U.O.N., individual isolated posts bearing on concrete shall be secured by Simpson PB connectors (PBS at exterior locations) placed in the concrete.
- ANCHOR BOLTS:
  - Unless noted otherwise on the foundation plans, sill plates for all the exterior walls, interior bearing walls and interior shearwalls shall be anchored to the foundation with 5/8" diameter anchor bolts with 3" square x 0.225" washers at a maximum spacing of 4 feet on center.
- SUB-BASE preparation, see soils report for subbase and vapor barrier requirements.
- FRAMING ISSUES:
  - Unless specified otherwise, all hold-downs (strap and rod) shall be attached to a 4x post which receives shearwall edge nailing along full height. (H.D.'s are allowed (22x's in some situations).
  - Where multiple studs are approved as a hold-down post, the multiple pieces shall be intermated together matching nailing pattern in SWS. Pre-drill as necessary to prevent splitting.
  - ICBO approved powder driven anchor pins (shot pins) may be used on interior non-shear and non-bearing walls. Shot pins shall be used in conjunction with plate washers and shall be spaced no more than 32" on center.
  - Please see SF for general structural framing details and always maintain a copy of this years Simpson Catalog (20XX), C-2011.



DO NOT LEAVE OUT ECCO'S CALLED OUT ON PLANS OR DETAILS OR BEAM TABLES AS THIS WILL LEAD TO COSTLY FIXES AND THE ECCO'S ARE AT CRITICAL CONNECTIONS. PLAN ALL BEAM INSTALLATIONS ALL THE WAY UP TO RIDGES PRIOR TO COMMENCING CONSTRUCTION. ORDER ALL CUSTOM HANGER "BUCKETS" AND COLUMN CAPS AHEAD OF TIME AS NO SUBSTITUTIONS ARE ALLOWED.

Typical @ All Beam/Post Framing

ALL SHEAR-WALLS OTHER THAN W1 & W2 REQUIRE 3x T&B PLATES AND 3x STUDS @ PANEL EDGES.

Special Inspection by Engineer for All Epoxied H.D.'s and A.B.'s between new H.D.'s

See "SN" For SWS and Plywood/CDX Nailing Schedule and Complete Notes

### Misc. Notes

- Please See "SN" for SWS / Plywood Nailing Schedule.
- Please see complete notes on "SN"

## FOUNDATION PLAN

3/16" = 1'-0" DO NOT SCALE

Do not scale; verify dimension with most current architectural drawings.

# Structural Design Data

CODE: CBC 2013/ASCE 7-10

Continous 48 States  
2010 ASCE 7 Standard  
Latitude = 37.25289  
Longitude = -121.93124  
Spectral Response Accelerations Ss and S1  
Ss and S1 = Mapped Spectral Acceleration Values  
Site Class B - Fa = 1.0, Fv = 1.0  
Data are based on a 0.01 deg grid spacing

Period (sec)	Sa (g)
0.2	2.066 (Ss, Site Class B)
1.0	0.716 (S1, Site Class B)

Site Class:	D
Wind Speed:	85 mph
Exposure:	B
OCC:	I
I:	II
SDC:	D
R:	6.5
Omega:	3.0 or 2.5 (flexible)
Cd:	4.0

Spectral Response Accelerations SMs and SM1

SMs = Fa x Ss and SM1 = Fv x S1

Site Class D - Fa = 1.0, Fv = 1.5

Period (sec)	Sa (g)
0.2	2.066 (SMs, Site Class D)
1.0	1.074 (SM1, Site Class D)

Design Spectral Response Accelerations SDs and SD1

SDs = 2/3 x SMs and SD1 = 2/3 x SM1

Site Class D - Fa = 1.0, Fv = 1.5

Period (sec)	Sa (g)
0.2	1.377 (SDs, Site Class D)
1.0	0.716 (SD1, Site Class D)

### Vertical Design Criteria

Roof Dead Load: 14 psf Comp Shingles

Roof Live Load: 20 psf

Roof Rafter DL: 14 psf Comp Shingles

Ceiling Dead Load: 6 psf Gypsum Ceiling

Ceiling Live Load: 10 psf (non-concurrent with roof live load)

Floor Dead Load: 14 psf Dimensional Lumber

Floor Live Load: 40 psf Basic Floor Area / Decks / Storage  
60 psf Balconies (may not apply)

Wall Dead Load: 17 psf Stucco

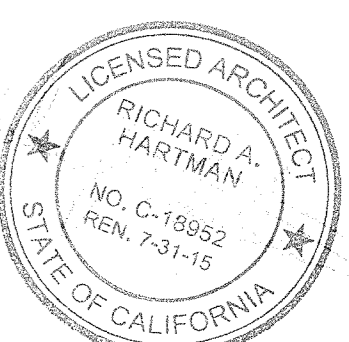
12 psf Wood siding

10 psf Interior Walls

Bearing Capacity: 1500 psf CBC UON

January 24, 2014  
NEW DUPLEX

MAY 16 2014



Engineer:  
Hometec Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 995-0496

Date: January 24, 2014

Revisions		
No.	Date	Description
1		
2		
3		
4		
5		

COUNTY OF SANTA CLARA  
BUILDING INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT  
SHEET NO. 7 OF 19 SHEETS  
BY RMA DATE 6/5/14  
PLANS MUST BE ON JOB FOR INSPECTIONS

Project Number: APEX: 4887-13  
Drawn By: PC Checked By: TY

Sheet Title:  
**Fndn Plan**

Sheet Number:  
**1S1**

**PARTIAL 2ND FLOOR FRAMING NOTES:**

- Partial framing notes are given here for your convenience, contractor must read and follow the additional notes under "Structural Notes" on other sheet for its entirety.
- JOISTS:
  - Joist shall be 12" deep spaced at 16" o.c. unless noted otherwise.
- HEADERS: See 6/SF
- BEAM HANGER: Hangers for beams/headers shall follow plan specifications. Where not specified, contractor shall use following Simpson Hangers unless approved otherwise by APEX.

- (2)2x Beam/Header: HUS212-2TF  
 4x Beam/Header: HU412TF  
 6x Beam/Header: HHB612  
 3-1/8x GLB Beam/Header: GLT3  
 5-1/8x GLB Beam/Header: HGLT5  
 6-3/4x GLB Beam/Header: HGLT7
5. SHEATHING: Panels for floor sheathing shall have tongue-and-groove edges. Floor sheathing over 2x dimension lumber shall be CDX only, where applied over "T" joists or open-web floor trusses, it may be CDX or OSB. Thickness and span rating shall be one of the following:

- \* for joists spaced 16" o.c.
  - 19/32" with APA span rating 40/20
  - 5/8" with APA span rating 32/16
  - 5/8" with APA span rating 40/20
  - 3/4" with APA span rating 40/20

- \* for joists spaced 19.2" o.c.
  - 5/8" with APA span rating 40/20
  - 3/4" with APA span rating 40/20

- \* for joists spaced 24" o.c.
  - 3/4" with APA span rating 48/24

Floor sheathing shall be glued and nailed with 10d screw shank common nails at 6" o.c. all panel edges and at 10" o.c. all intermediate supports.

- SHEAR:
  - Collector Joists: All top-flush floor beams and collector joists shall receive sheathing edge nailing (10d at 6" o.c.) along its entire length.
  - Floor Holdowns: U.N.O. all holdowns indicated on floor framing plan shall be applied across the 2nd floor with equal length covering the framing member above and below.

7. STUDS:  
 Note: The optional HF studs allowed below shall not be used when the Shearwall Schedule requires DF studs for lateral strength.

- Exterior Walls & Interior Bearing/Shear Walls
  - \* when supporting 2 stories above, regardless the height, use 2x6 DF-Larch #1 or better at 16" o.c.
  - \* Up To 10' Tall: 2x4 studs at 16" o.c. may be DF-Larch of Std Grade or better
  - \* more than 10' Tall: 2x6 studs shall be DF-Larch #2 or better unless called out differently on plans.
- Interior Non-bearing Walls
  - \* Up To 14' Tall: 2x4 studs may be DF-Larch of Std Grade or better spaced 16" or 24" o.c.
  - \* more than 14' Tall: all studs shall be 2x6 HF or DF-Larch #2 grade or better spaced at 16" o.c. unless called out differently on plans.
- Plumbing Wall: studs with holes greater than 2.5" in diameter shall be 2x6. For exterior walls, bearing walls and shearwalls, studs with holes greater than 1.5" in diameter shall be 2x6. See 2/SF

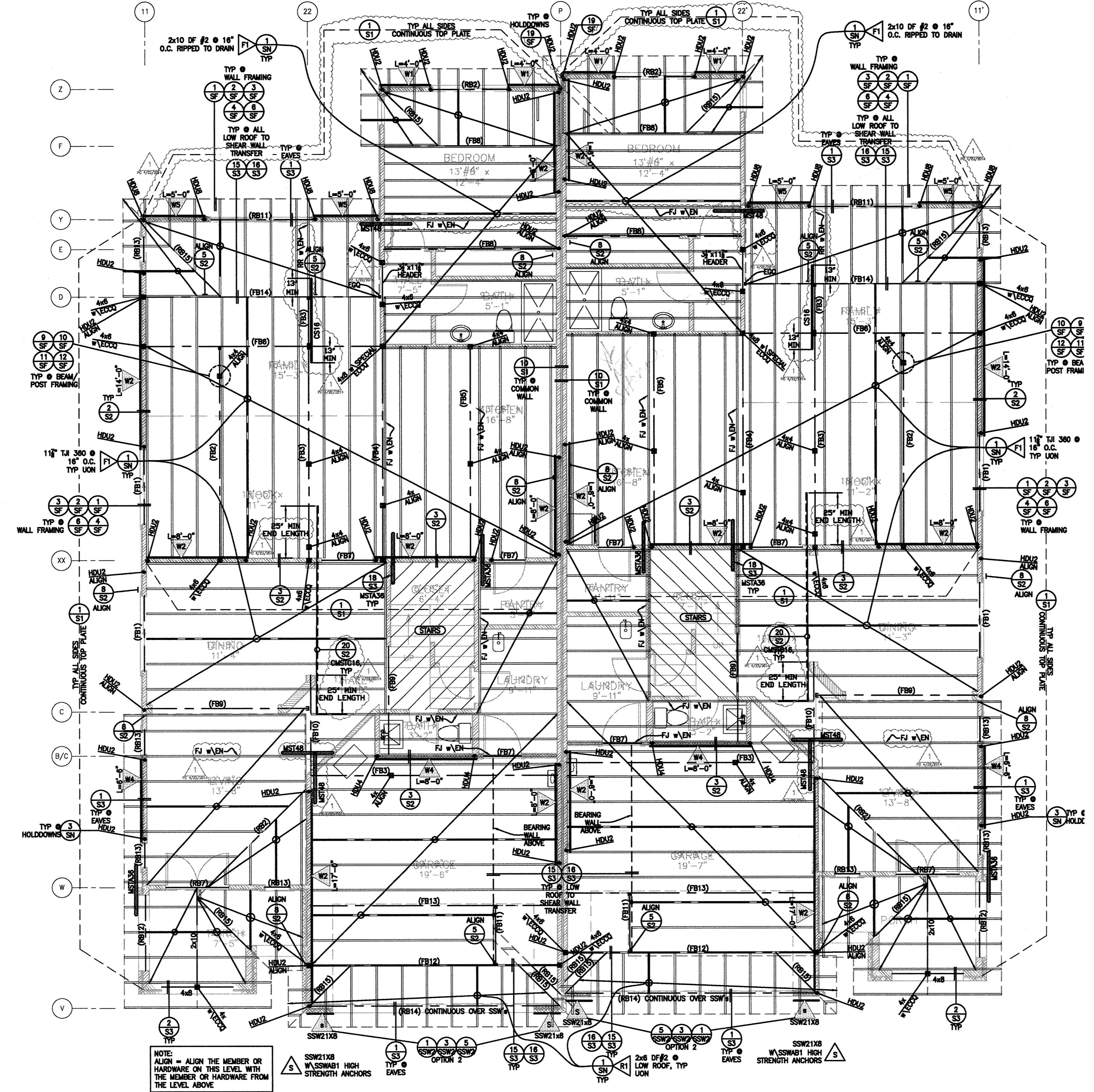
- PLATES:
  - All exterior walls and interior structural bearing/shearwalls shall have double top plates and be spliced for continuity. See 1/S1
  - Top & sole plates shall be DF-Larch Std grade or better.

**PARTIAL WALL NOTES:**

AT BEARING WALLS OVER 12'-0" TALL PROVIDE DOUBLE 2X6 FULL HEIGHT CRIPPLE STUDS EACH SIDE OF ALL EXTERIOR WALL OPENINGS FROM 4'-0" TO 6'-0" WIDE AND (3) 2X6 FULL HEIGHT CRIPPLE STUDS AT OPENING 6'-1" TO 8'-0" WIDE.

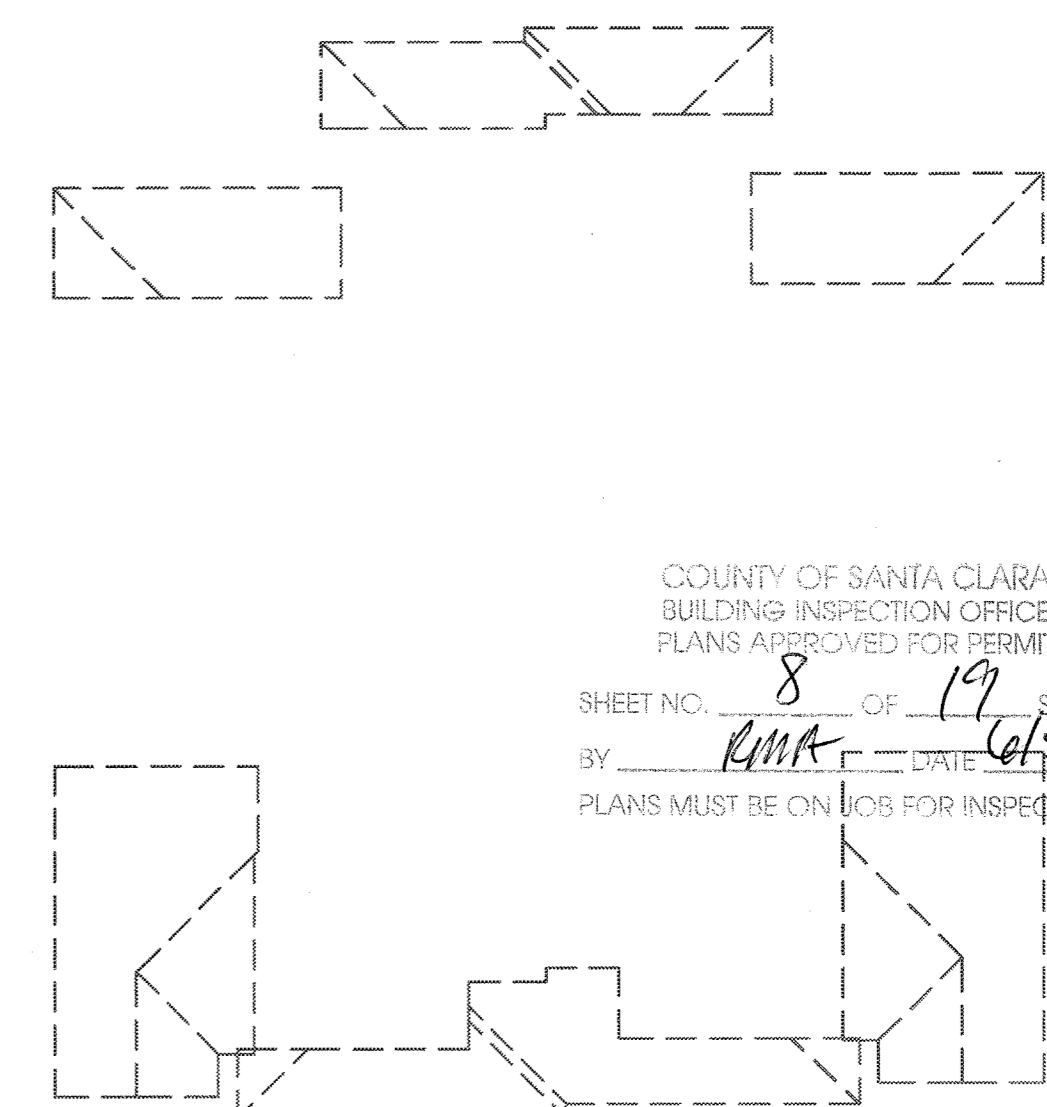
MAXIMUM WALL HEIGHT SCHEDULE:

STUD:	BEARING:	NON-BEARING:
2X4@16" O.C.	14'	14'
2X6@16" O.C.	15'	20'
2X8@16" O.C.	20'	24'
(2) 2X6@16" O.C.	14'	17'
(2) 2X6@16" O.C.	20'	24'
(2) 2X8@16" O.C.	24'	24'



**Floor Level Beam Schedule**  
 INCREASE DEPTH AS NEEDED TO MEET FRAMING NEEDS

DESIGNATION	TYPE	MAX. SPAN	SIZE	MIN. SUPPORT
FB1	HEADER	7'-0" MAX	4 x 12 DF#2	2x TRIMMER
FB2	FLUSH	18'-0" MAX	1 1/8" TJI 360	4x POST
FB3	FLUSH	18'-0" MAX	3 1/2" x 11 1/8" 2.0E PSL	4x POST
FB4	FLUSH	18'-0" MAX	(2) 1 1/8" TJI 360	4x POST
FB5	FLUSH	18'-0" MAX	3 1/2" x 11 1/8" 2.0E PSL	4x POST
FB6	FLUSH	19'-0" MAX	7" x 11 1/8" 2.0E PSL	4x6 w\CCQ or ECCQ
FB7	FLUSH	5'-0" MAX	2 x 8 DF#2	4x6 w\CCQ or ECCQ
FB8	FLUSH	14'-6" MAX	3 1/2" x 11 1/4" 2.0E PSL	4x POST
FB9	FLUSH	14'-0" MAX	3 1/2" x 11 1/4" 2.0E PSL	4x POST
FB10	FLUSH	9'-0" MAX	3 1/2" x 11 1/4" 2.0E PSL	4x6 POST
FB11	FLUSH	5'-0" MAX	1 1/2" x 11 1/4" 1.9E LVL	6x6 POST
FB12	FLUSH	20'-0" MAX	7" x 11 1/4" 2.0E PSL	6x6 POST
FB13	FLUSH	20'-0" MAX	5 1/2" x 11 1/4" 2.0E PSL	6x6 POST
FB14	FLUSH	19'-0" MAX	7" x 11 1/4" 2.0E PSL	4x6 POST w\ECCQ or EQ



Low Roof Lines

**Misc. Notes**

- Please See "SN" for SWS / Plywood Nailing Schedule.
- Please see complete notes on "SN"

**Beam Hanger Table**  
 Unless Noted Otherwise on Plans/Order Special Order Hangers Prior to Construction

4x's	HGUS
6x's	HGUS
GLB's	HGUS/HGLT/EGP Top Flange/EG
PL's	GLTV/HGLT/EGP Top Flange/EG
Multiple	MSC5 w/ Shims as Required (Valleys/Ridge Etc.)
Heavy Truss	Verify THGW3 Fit Conformance
HUSC @ Headers w/ No Trimmers	
HUSC412 Max. Span= 10'	

Notes:  
 1. Please see Simpson Hanger options and Hanger options matrix for Skew/Slopes/Etc.  
 2. Special Order Skewed Hangers/ Wide Hangers etc., well in advance to avoid delays  
 3. Use Top Flange Hangers WHEREVER Possible  
 4. Special Order Glu-Lam Beams well in advance to avoid delays and redesigns

DO NOT LEAVE OUT ECCQ'S CALLED OUT ON PLANS OR DETAILS OR BEAM TABLES AS THIS WILL LEAD TO COSTLY FIXES AND THE ECCQ'S ARE AT CRITICAL CONNECTIONS. PLAN ALL BEAM INSTALLATIONS ALL THE WAY UP TO RIDGES PRIOR TO COMMENCING CONSTRUCTION. ORDER ALL CUSTOM HANGER "BUCKETS" AND COLUMN CAPS AHEAD OF TIME AS NO SUBSTITUTIONS ARE ALLOWED.



ALL SHEAR-WALLS OTHER THAN W1 & W2 REQUIRE 3x T&B PLATES AND 3x STUDS @ PANEL EDGES.

Special Inspection By Engineer for All Epoxied H.D.'s and A.B.'s between new H.D.'s

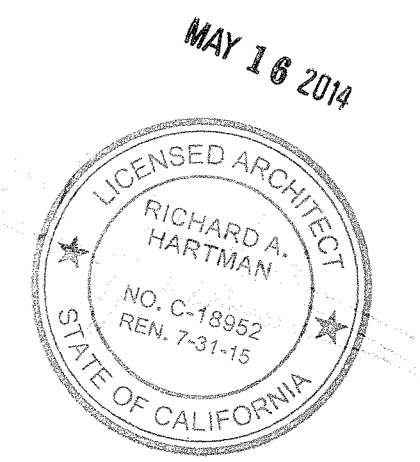
See "SN" For SWS and Plywood/CDX Nailing Schedule and Complete Notes

**FIRST FLOOR PLAN**

3/16" = 1'-0" DO NOT SCALE

Do not scale; verify dimension with most current architectural drawings.

January 24, 2014  
 NEW DUPLEX



COUNTY OF SANTA CLARA  
 BUILDING INSPECTION OFFICE  
 PLANS APPROVED FOR PERMIT  
 SHEET NO. 8 OF 19 SHEETS  
 BY: [Signature] DATE: 6/5/14  
 PLANS MUST BE ON JOBS FOR INSPECTIONS

Engineer:  
 Hometic Architecture  
 619 N 1st Street  
 San Jose, CA 95112  
 (408) 995-0496

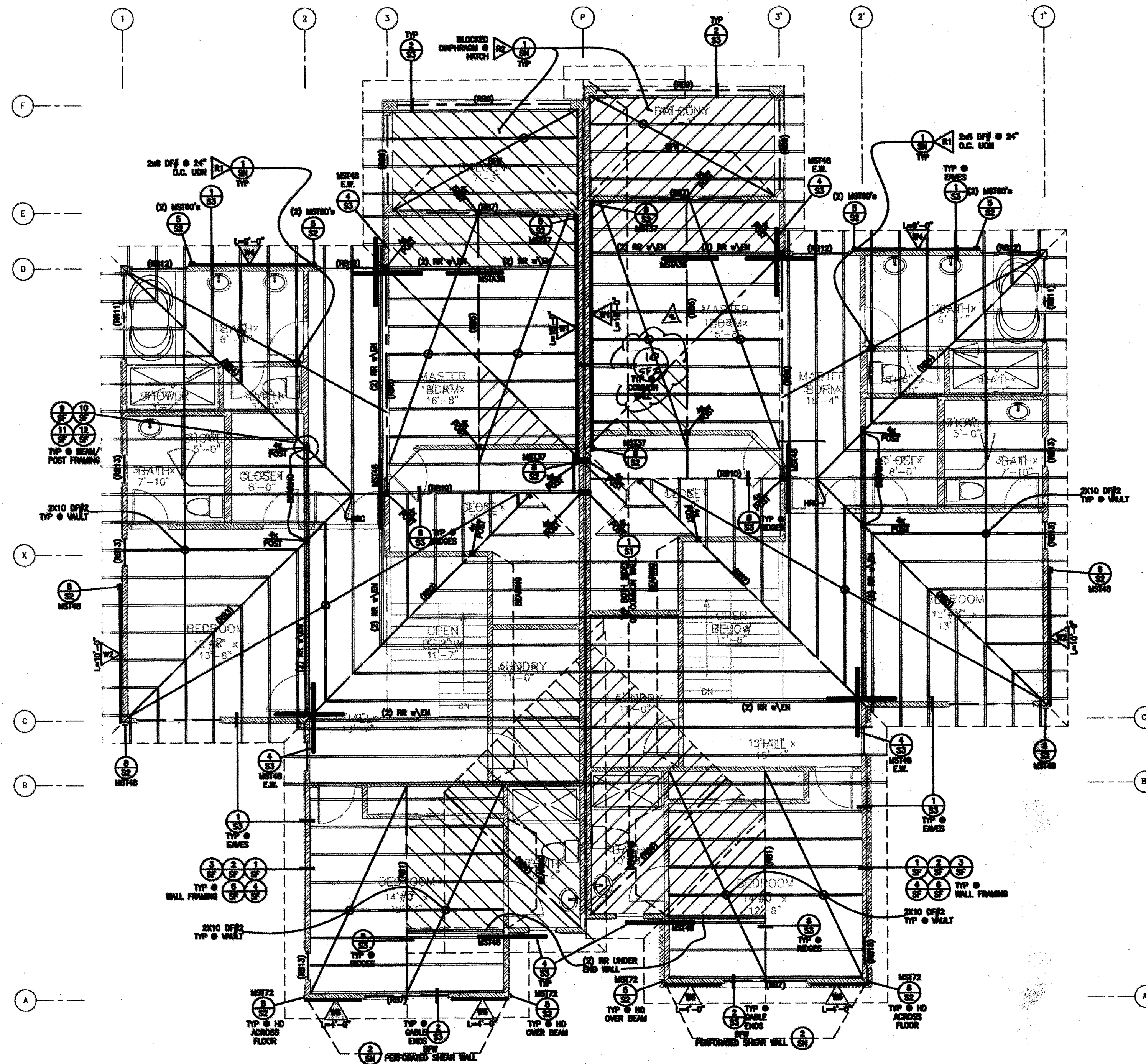
Date: January 24, 2014

Revisions	No.	Date	Description
1	4.22.14		PC RESPONSE

Project Number: APEX: 4887-13  
 Drawn By: PC Checked By: TY

Sheet Title:  
**Floor Plan**

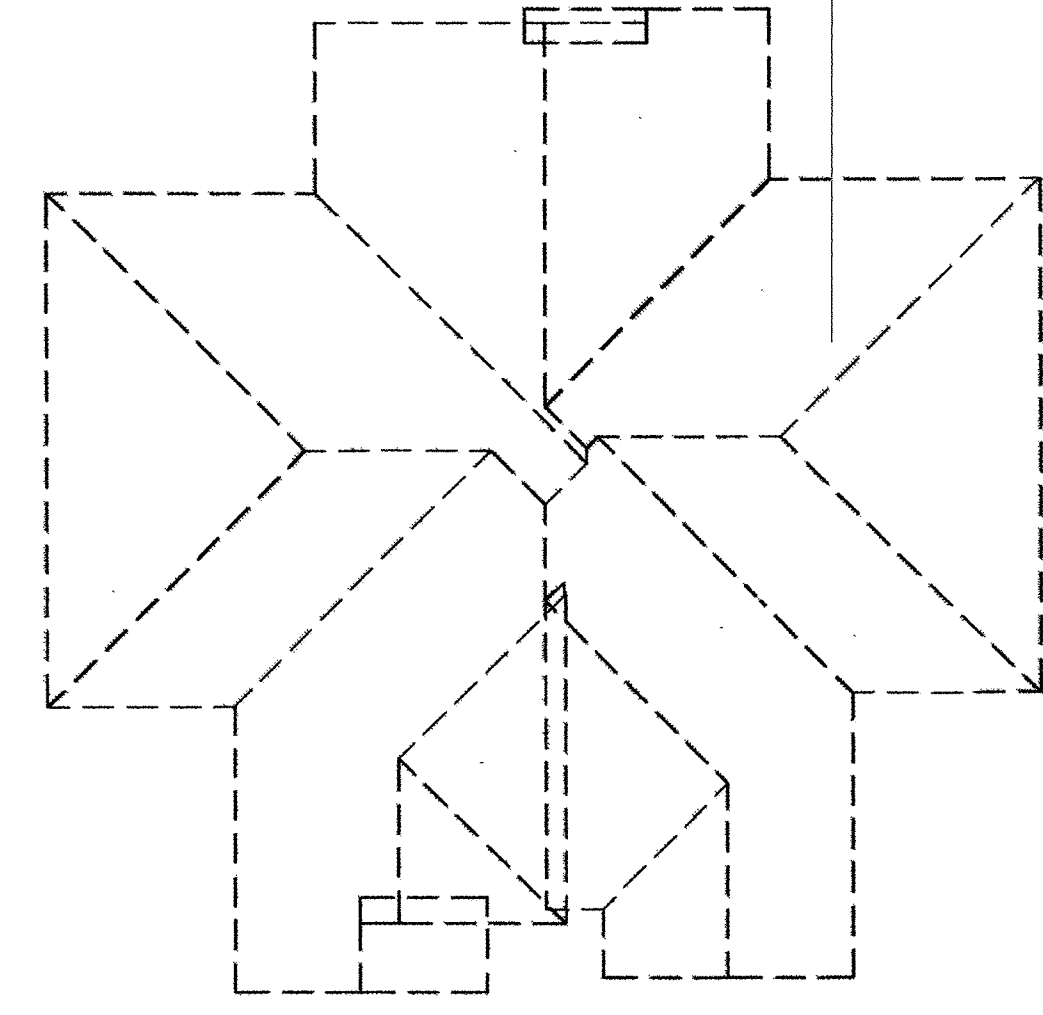
Sheet Number:  
 1S2



### Roof Level Beam Schedule

**INCREASE DEPTH AS NEEDED TO ACCEPT ROOF RAFTERS**

DESIGNATION	TYPE	MAX. SPAN	SIZE	MIN. SUPPORT
RB1	RIDGE	16'-0" MAX	4 x 12 DF#1	4x POST w\COLUMN CAP
RB2	HIP	17'-0" MAX	4 x 10 DF#2	4x POST
RB3	HIP	18'-6" MAX	(2) 2 x 10 DF#2	4x POST
RB4	HIP	9'-0" MAX	2 x 10 DF#2	4x POST
RB5	RIDGE	17'-6" MAX	(3) 2 x 12 DF#2 OR (1) 1 1/2" x 14" 1.9E LVL	4x POST
RB6	RIDGE	17'-0" MAX	4 x 12 DF#2	4x POST
RB7	HEADER	9'-0" MAX	4 x 12 DF#2	2x TRIMMER
RB8	HEADER	14'-0" MAX	4 x 10 DF#2	2x TRIMMER
RB9	HEADER	7'-0" MAX	4 x 6 DF#2	2x TRIMMER
RB10	RIDGE	14'-0" MAX	(2) 2 x 12 DF#1	4x POST w\COLUMN CAP
RB11	HEADER	8'-6" MAX	2 x 8 DF#1	2x TRIMMER
RB12	HEADER	5'-0" MAX	2 x 8 DF#2	2x TRIMMER
RB13	HEADER	3'-0" MAX	2 x 4 DF#2	2x TRIMMER
RB14	HEADER	16'-6" MAX	4 x 12 DF#2	2x TRIMMER
RB15	HIP/VALLEY	10'-6" MAX	2 x 8 DF#2	4x POST OR HRC



**Roof Lines**

N.T.S.

**PARTIAL WALL NOTES:**

AT BEARING WALLS OVER 12'-0" TALL PROVIDE DOUBLE 2X8 FULL HEIGHT CRIPPLE STUDS EACH SIDE OF ALL EXTERIOR WALL OPENINGS FROM 4'-0" TO 6'-0" WIDE AND (3) 2X8 FULL HEIGHT CRIPPLE STUDS AT OPENING 6'-1" TO 8'-0" WIDE.

MAXIMUM WALL HEIGHT SCHEDULE:

STUD:	BEARING:	NON-BEARING:
2X4@16" O.C.	2X4@16" O.C.	2X4@16" O.C.
2X8@16" O.C.	2X8@16" O.C.	2X8@16" O.C.
2X8@16" O.C.	2X8@16" O.C.	2X8@16" O.C.
2X8@16" O.C.	2X8@16" O.C.	2X8@16" O.C.
2X8@16" O.C.	2X8@16" O.C.	2X8@16" O.C.

BEARING: COUNTY OF SANTA CLARA BUILDING INSPECTION OFFICE PLANS APPROVED FOR PERMIT NO. 0-18852 REN. 7-31-15

NON-BEARING: COUNTY OF SANTA CLARA BUILDING INSPECTION OFFICE PLANS APPROVED FOR PERMIT NO. 0-18852 REN. 7-31-15

SHEET NO. 9 OF 17 SHEETS  
BY: [Signature] DATE: 6/5/14  
PLANS MUST BE ON JOB FOR INSPECTIONS

### Beam Hanger Table

Unless Noted Otherwise on Plans/Order Special Order Hangers Prior to Construction

4x's	HGUS
6x's	HGUS
GLB's	HGUS/HGLT/EGP Top Flange/EG
PL's	GLTV/HGLT/EGP Top Flange/EG
Multiple	MSC5 w/ Shims as Required (Valleys/Ridge Etc.)
Heavy Truss	Verify THGW3 Fit Conformance
HUSC @ Headers w/ No Trimmers	
HUSC412 Max. Span= 10'	
Notes:	
1. Please see Simpson Hanger options and Hanger options matrix for Skew/Slopes/Etc.	
2. Special Order Skewed Hangers/ Wide Hangers etc., well in advance to avoid delays	
3. Use Top Flange Hangers WHEREVER Possible	
4. Special Order Glu-Lam Beams well in advance to avoid delays and redesigns	

### Misc. Notes

- 4x12 DF#2 Headers U.N.O.
- Please See "SN" for SWS / Plywood Nailing Schedule.
- Please see complete notes on "SN"

DO NOT LEAVE OUT ECCO'S CALLED OUT ON PLANS OR DETAILS OR BEAM TABLES AS THIS WILL LEAD TO COSTLY FIXES AND THE ECCO'S ARE AT CRITICAL CONNECTIONS. PLAN ALL BEAM INSTALLATIONS ALL THE WAY UP TO RIDGES PRIOR TO COMMENCING CONSTRUCTION. ORDER ALL CUSTOM HANGER "BUCKETS" AND COLUMN CAPS AHEAD OF TIME AS NO SUBSTITUTIONS ARE ALLOWED.



ALL SHEAR-WALLS OTHER THAN W1 & W2 REQUIRE 3x T&B PLATES AND 3x STUDS @ PANEL EDGES.

Special Inspection By Engineer for All Epoxied H.D.'s and A.B.'s between new H.D.'s

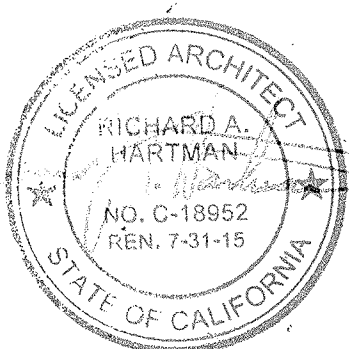
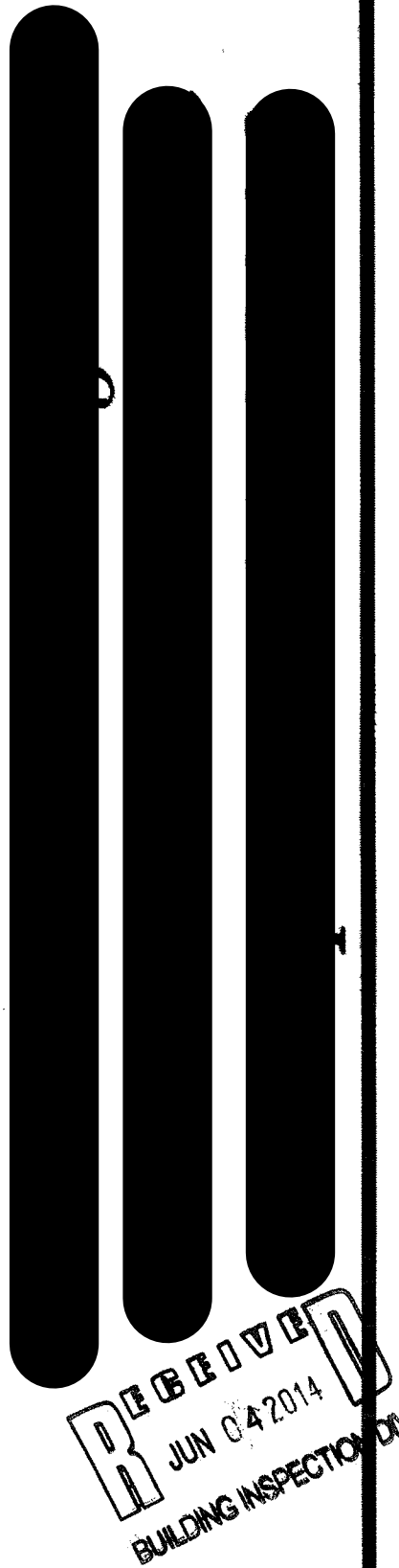
See "SN" For SWS and Plywood/CDX Nailing Schedule and Complete Notes

**ROOF FRAMING PLAN**

3/16" = 1'-0" DO NOT SCALE

Do not scale; verify dimension with most current architectural drawings.

January 24, 2014  
NEW DUPLEX



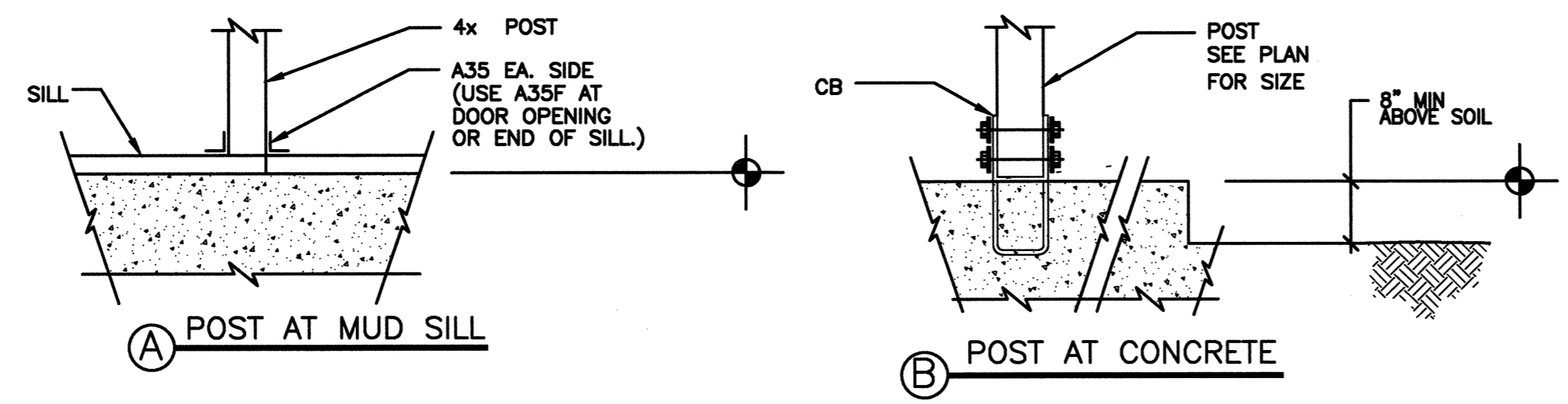
Engineer: JUN 03  
Homestead Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 965-0466

Date: January 24, 2014

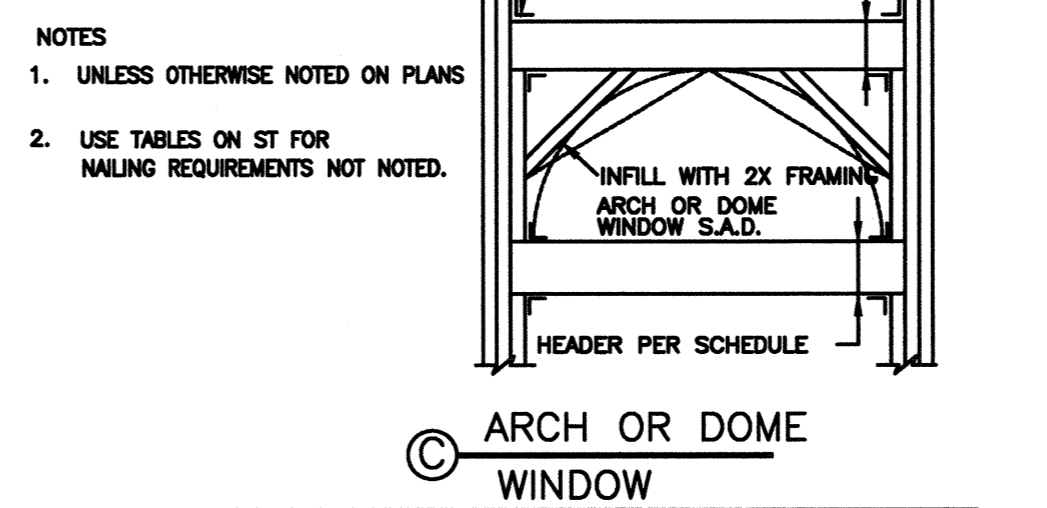
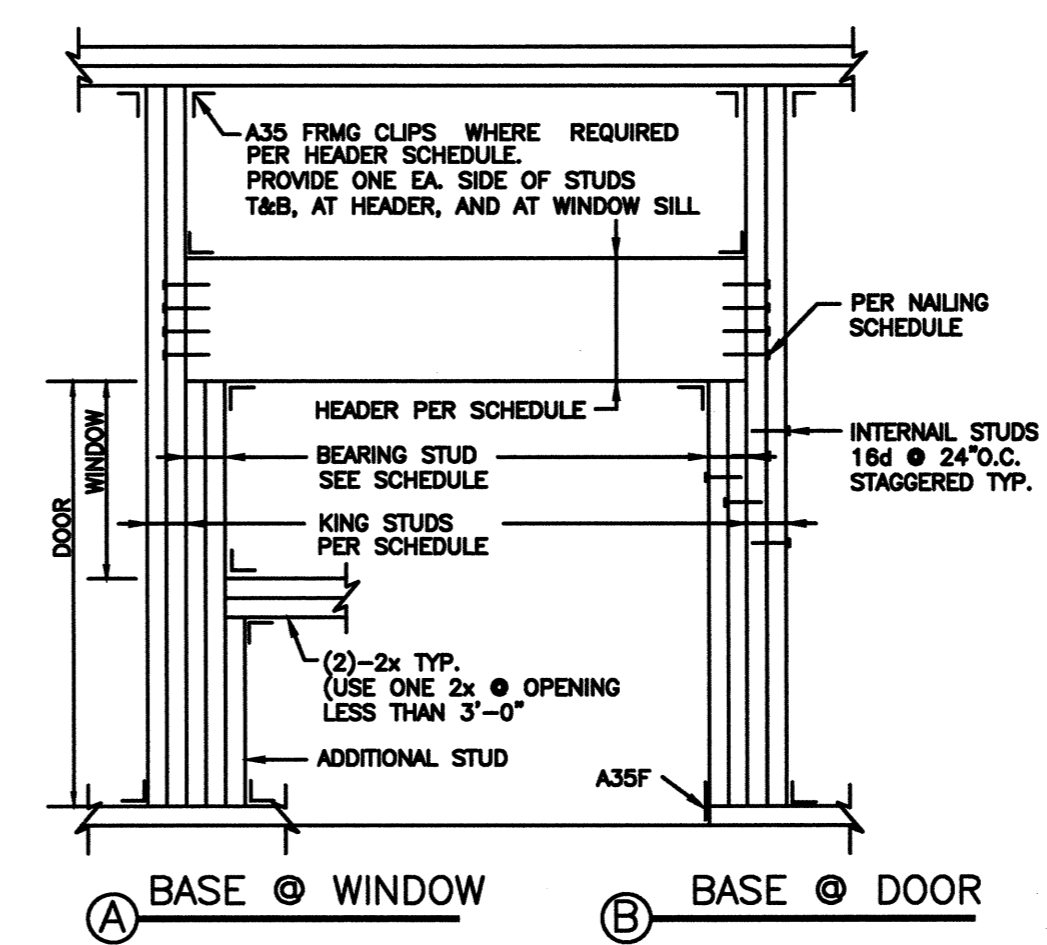
No.	Date	Description
1		5/24/14 PLAN CHECK

Project Number: APEX: 4887-13  
Drawn By: PC Checked By: TY  
Sheet Title: **Roof Plan**  
Sheet Number: 1S3





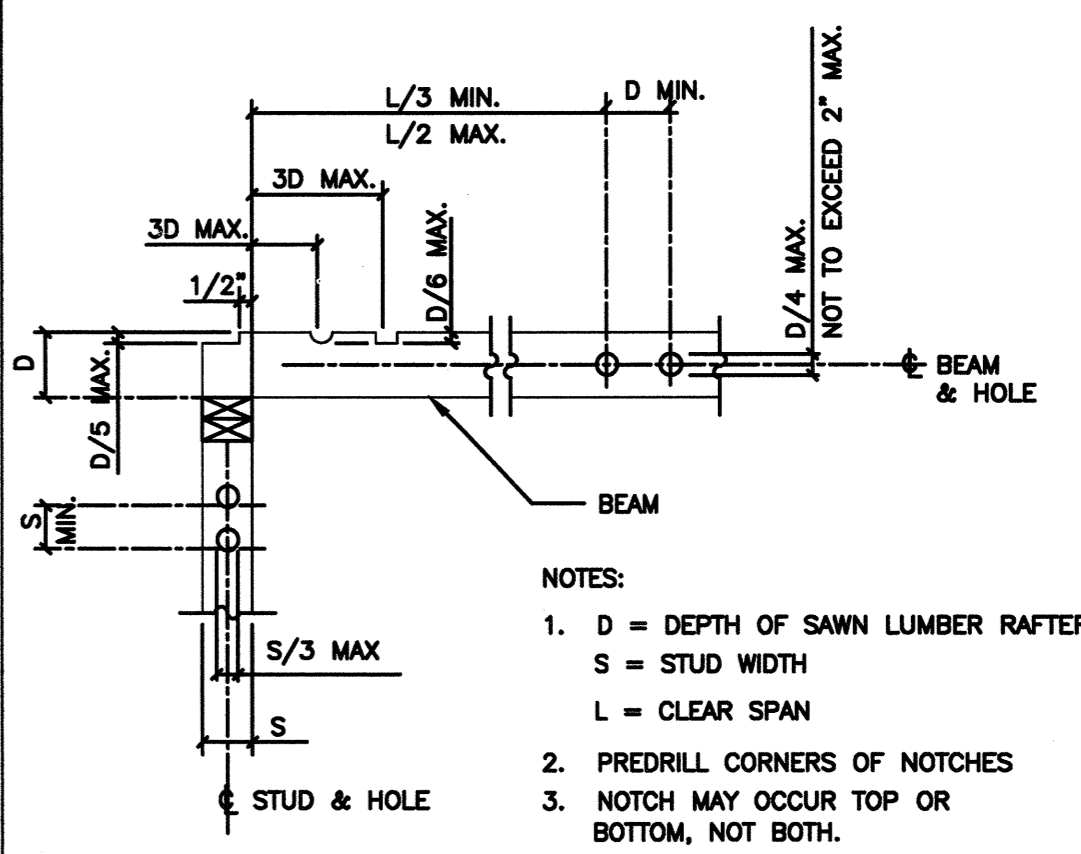
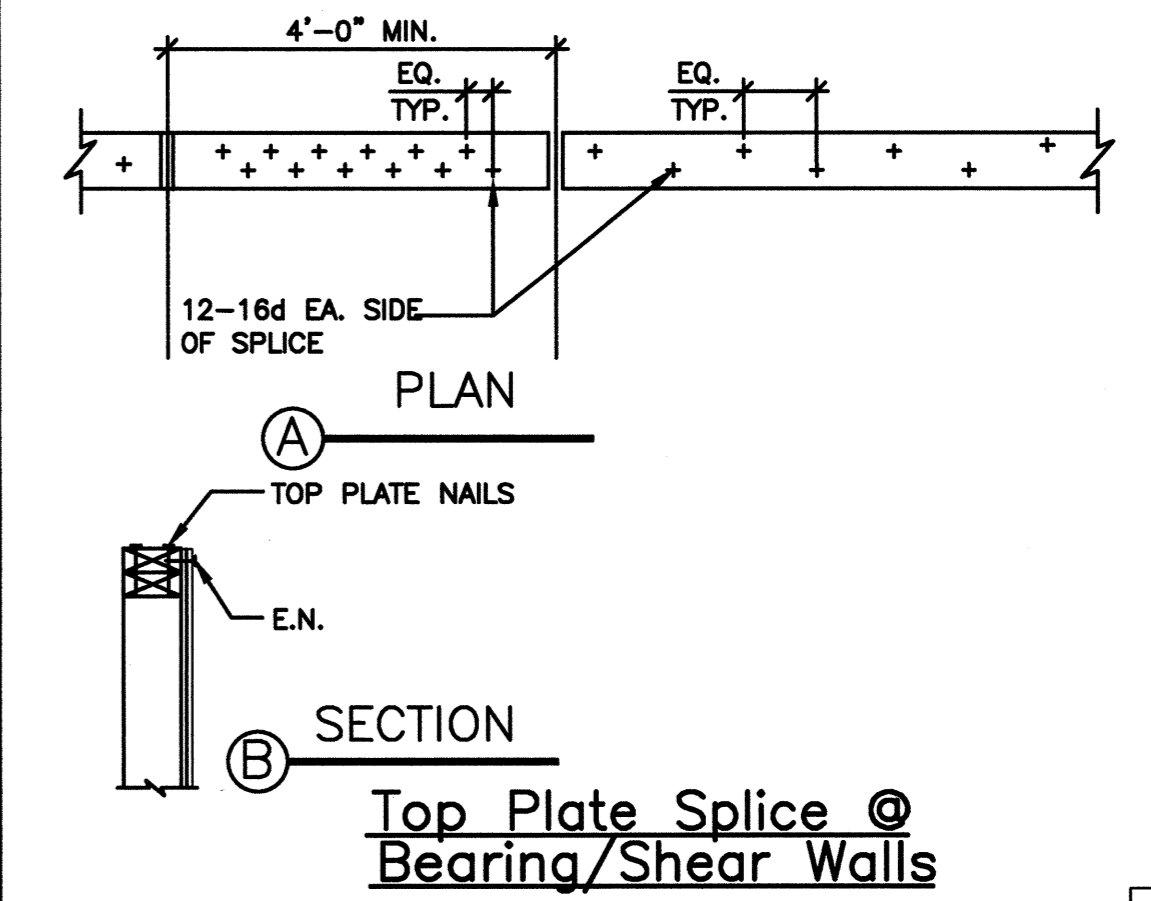
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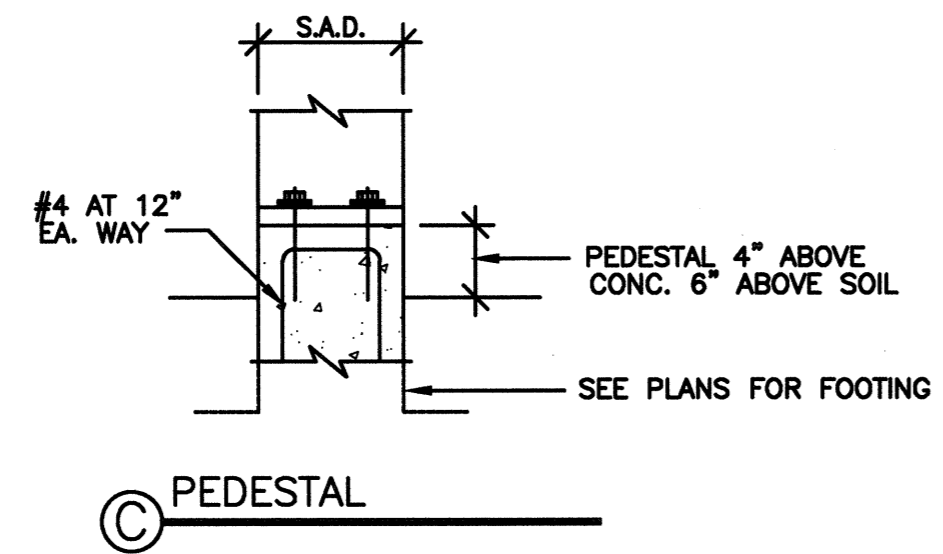
NOTES:  
1. UNLESS OTHERWISE NOTED ON PLANS  
2. USE TABLES ON ST FOR NAILING REQUIREMENTS NOT NOTED.

MAX. OPENING WIDTH	EXTERIOR WALL			INTERIOR WALL		
	BEARING STUD	KING STUD	MIN. HEADER SIZE(1)	FRAMING CLIPS	BEARING STUD	KING STUD
4'-0"	2x4	2x4	4x6	NONE	2x4	2x4
6'-0"	2x4	2x4	4x6	NONE	2x4	2x4
8'-0"	(2)2x4	(2)2x4	4x10	A35'S	2x4	2x4
10'-0"	(2)2x4	(2)2x4	4x12	A35'S	2x4	2x4
12'-0"	(2)2x4	(2)2x4	4x12	A35'S	(2)2x4	2x4
16'-0"	(2)2x4	(2)2x4	4x14	A35'S	-	-

Typical Framing Openings @ Bearing Walls



Typical Allowable Holes/Notches in SAWN Lumber Members



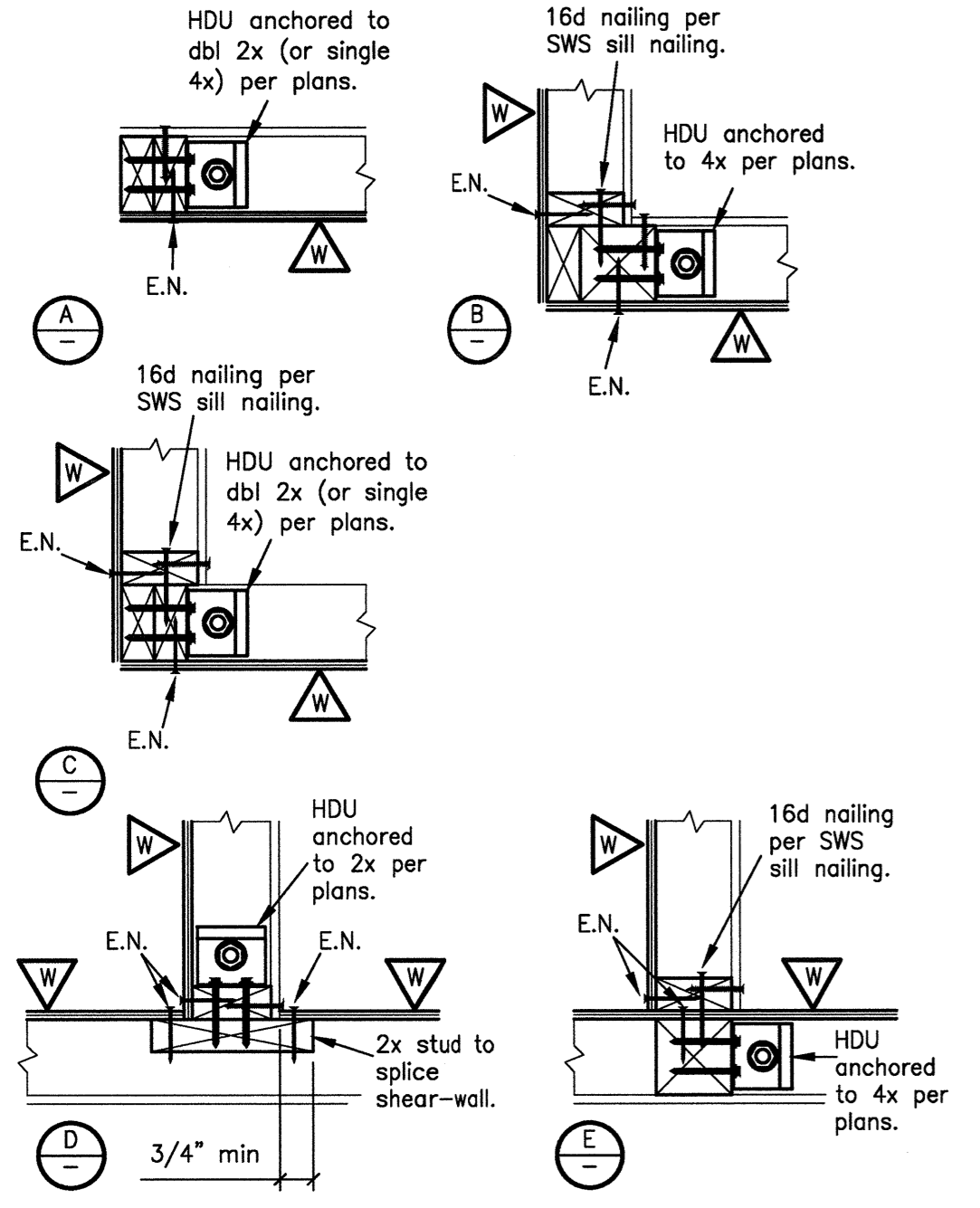
Post Bases

BEAM SIZE	POST SIZE		REFERENCE DETAILS
	AT 2x4 WALL	AT 2x6 WALL TYP. AT ALL LEVELS	
4x10	2-2x4	2-2x6	11 this sheet
4x12	2-2x4	2-2x6	11 this sheet
4x14	2-2x4	2-2x6	11 this sheet
6x10	3-2x4	2-2x6	11 this sheet
6x12	3-2x4	2-2x6	11 this sheet
GLB 5 1/8 PSL 3 1/2	4x6	6x6	12 this sheet
GLB 6 3/4 PSL 5 1/4	4x8	6x6	12 this sheet
GLB 8 3/4 PSL 7	4x8	6x8	12 this sheet
ROOF GIRDER TRUSS	4x	6x	11 this sheet

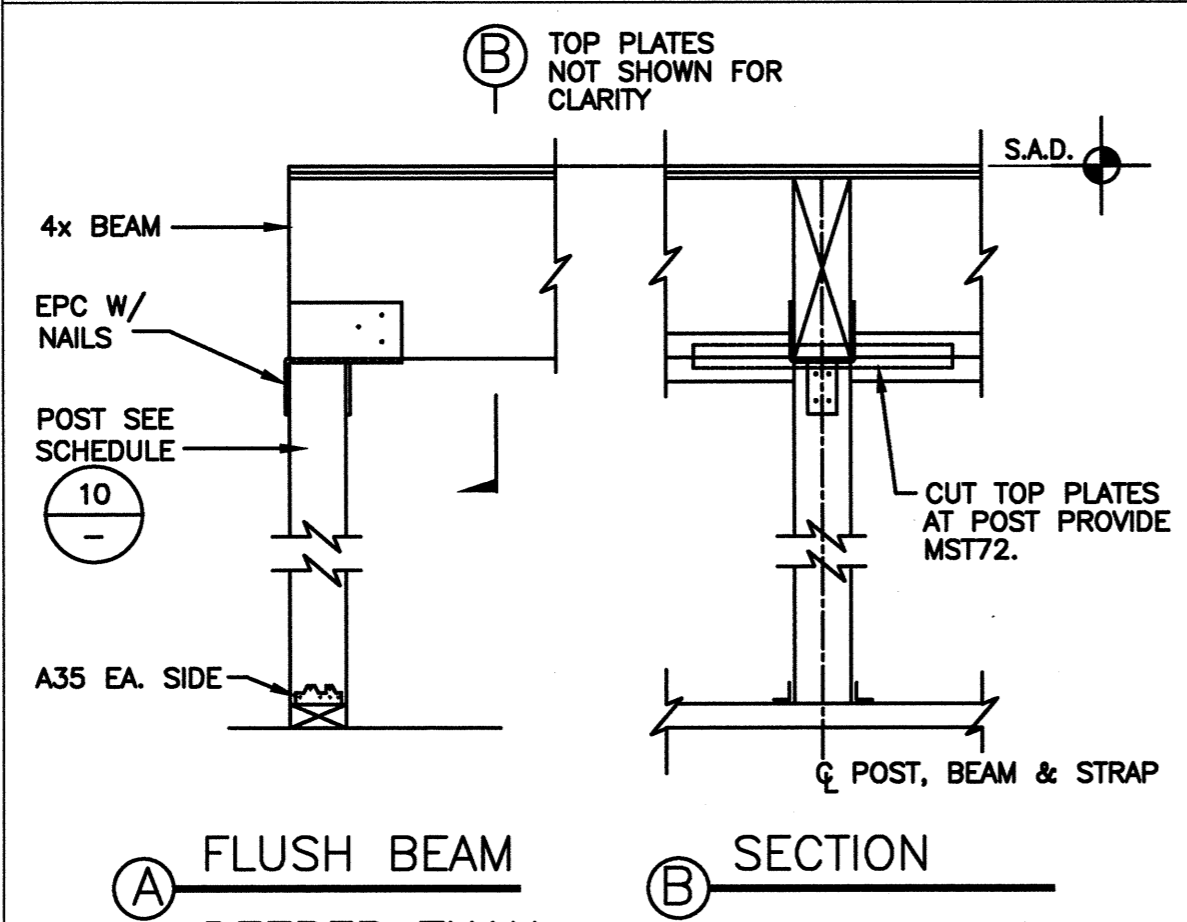
Typical Beam to Post Connection Schedule

NOTES:  
1. CCQ's/CC's SHALL MATCH SIZE OF CONNECTING BEAM AND SHALL BE SELECTED FROM THE MOST CURRENT SIMPSON (STRONG-TIE CONNECTOR) CATALOG BASED ON THE MAXIMUM MANUFACTURER RECOMMENDATIONS U.O.N.  
2. SEE DETAIL 9 THIS SHEET FOR POST BASE CONNECTIONS.  
3. POSTS SPECIFIED ARE FOR SUPPORTING ONE END OF THE BEAM ONLY WHERE TWO BEAMS FRAME INTO THE SAME LOCATION, PROVIDE A POST UNDER EACH, U.O.N.  
4. PROVIDE A POST AT EACH LEVEL BELOW FOR SUPPORT PER SCHEDULE EVEN WHEN NO BEAM OCCURS AT THE LEVEL BELOW.

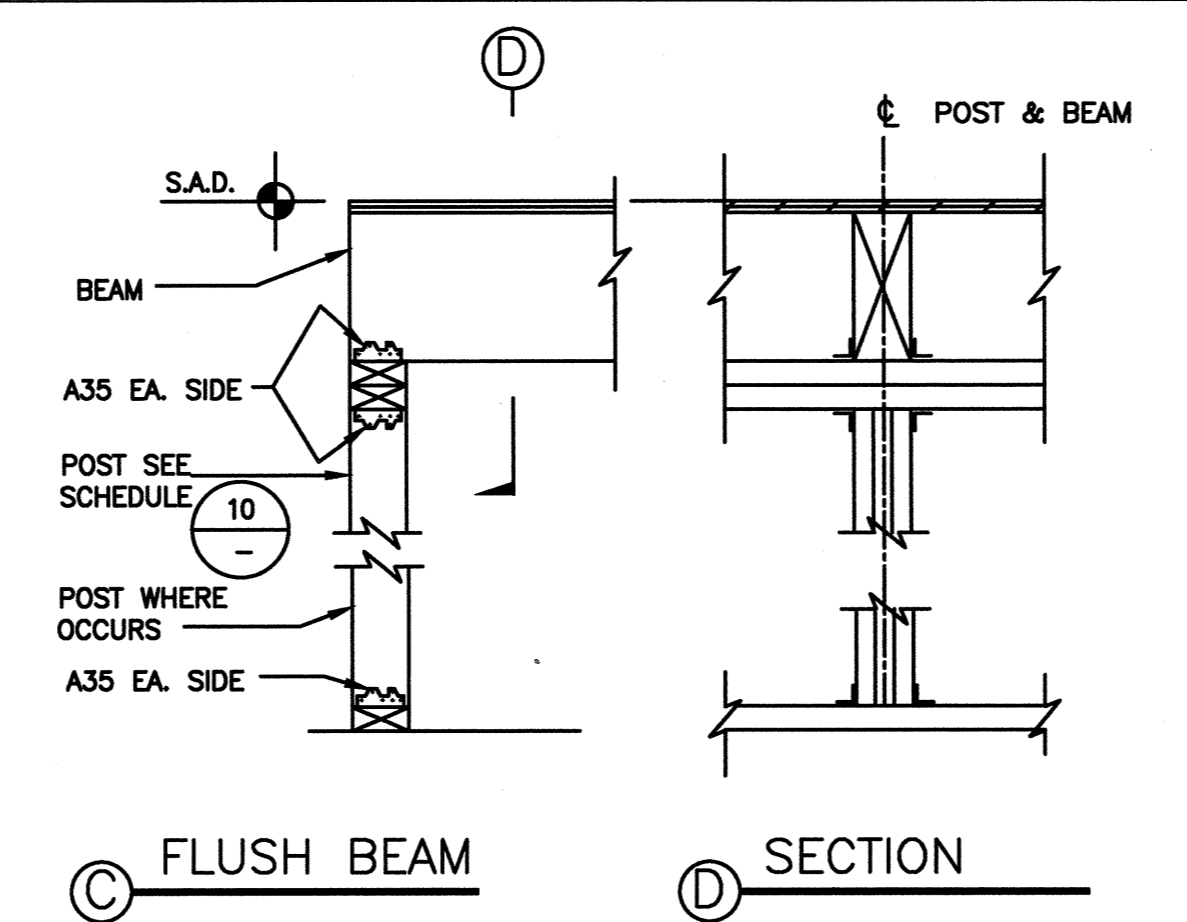
10



Notes:  
For HDU holdowns, the dbl. 2x studs are to be nailed together (in two staggered rows) with evenly spaced nails.  
HDU2 = sixteen 16d nails.  
HDU4 = twenty 16d nails.  
HDU5 = twenty-five 16d nails.  
HDU8 = twenty-eight 16d nails.



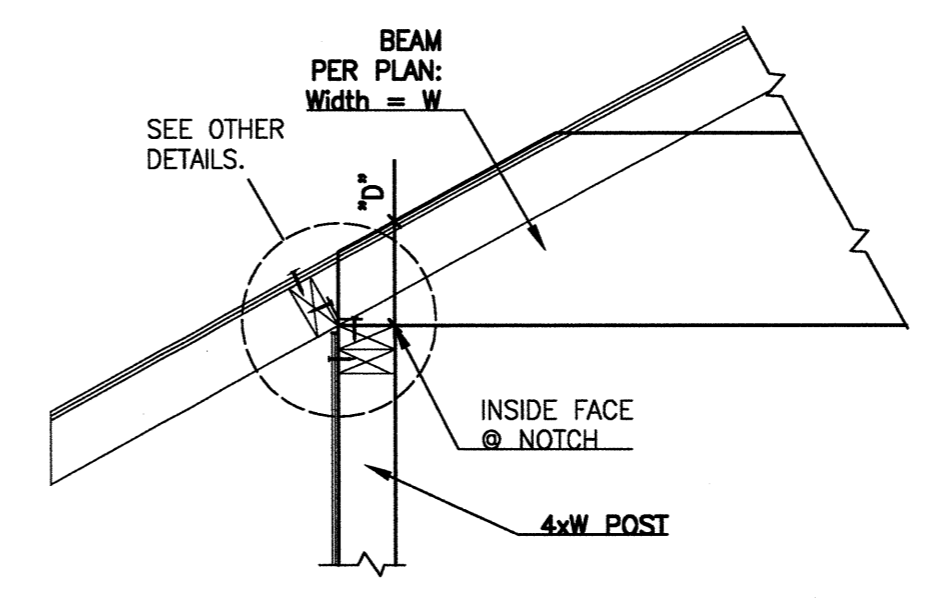
FLUSH BEAM DEEPER THAN JOIST OR FLUSH BEAM



FLUSH BEAM SECTION

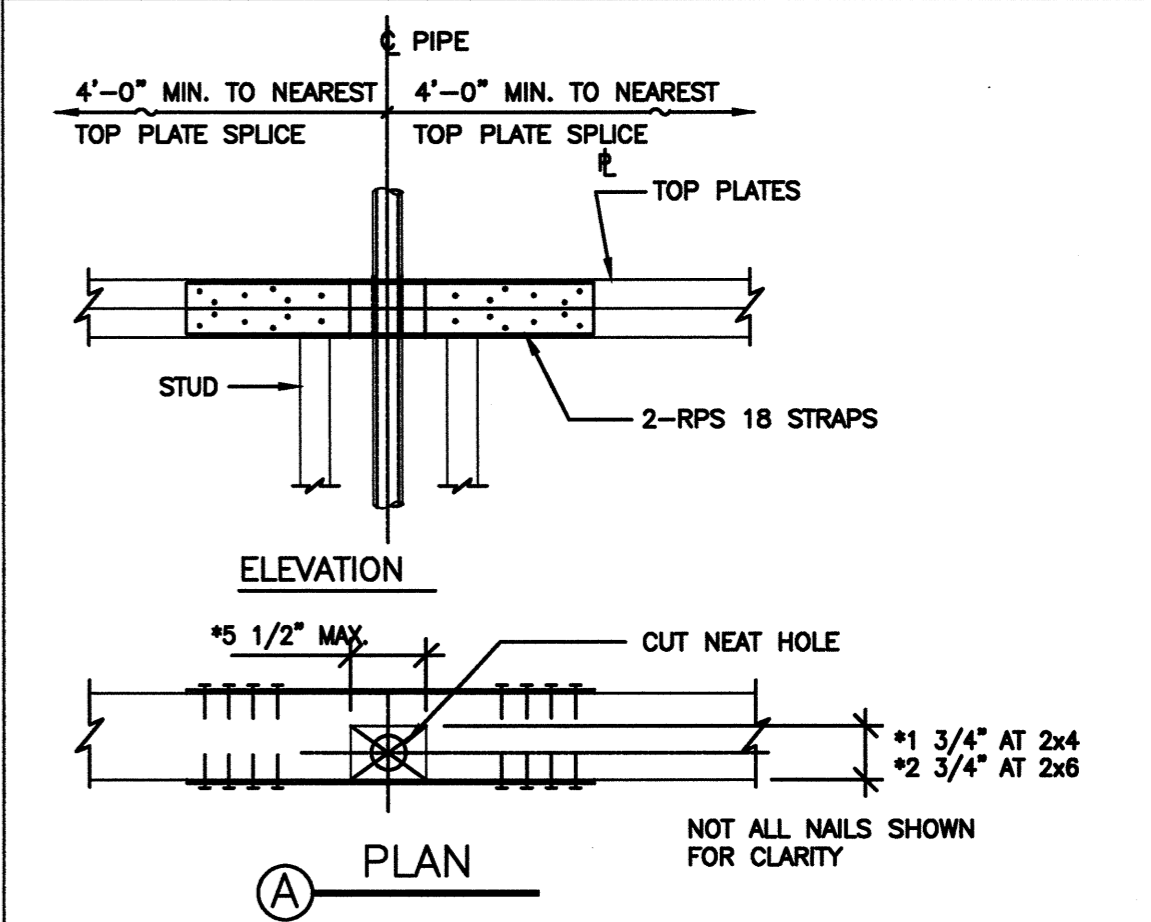
Typical Beam to Post Connections (SAWN Lumber)

11



NOTES:  
1. NOTCH ALLOWED AS CALLED OUT IN PLANS.  
2. TOP OF BEAM MAY BE FLUSH WITH TOP OF CDX TO GAIN ADDITIONAL 1/2"  
3. PROVIDE SAME WIDTH POST BELOW SUPPORT, SEE 10,11,12 'SF' FOR INFO NOT SHOWN.

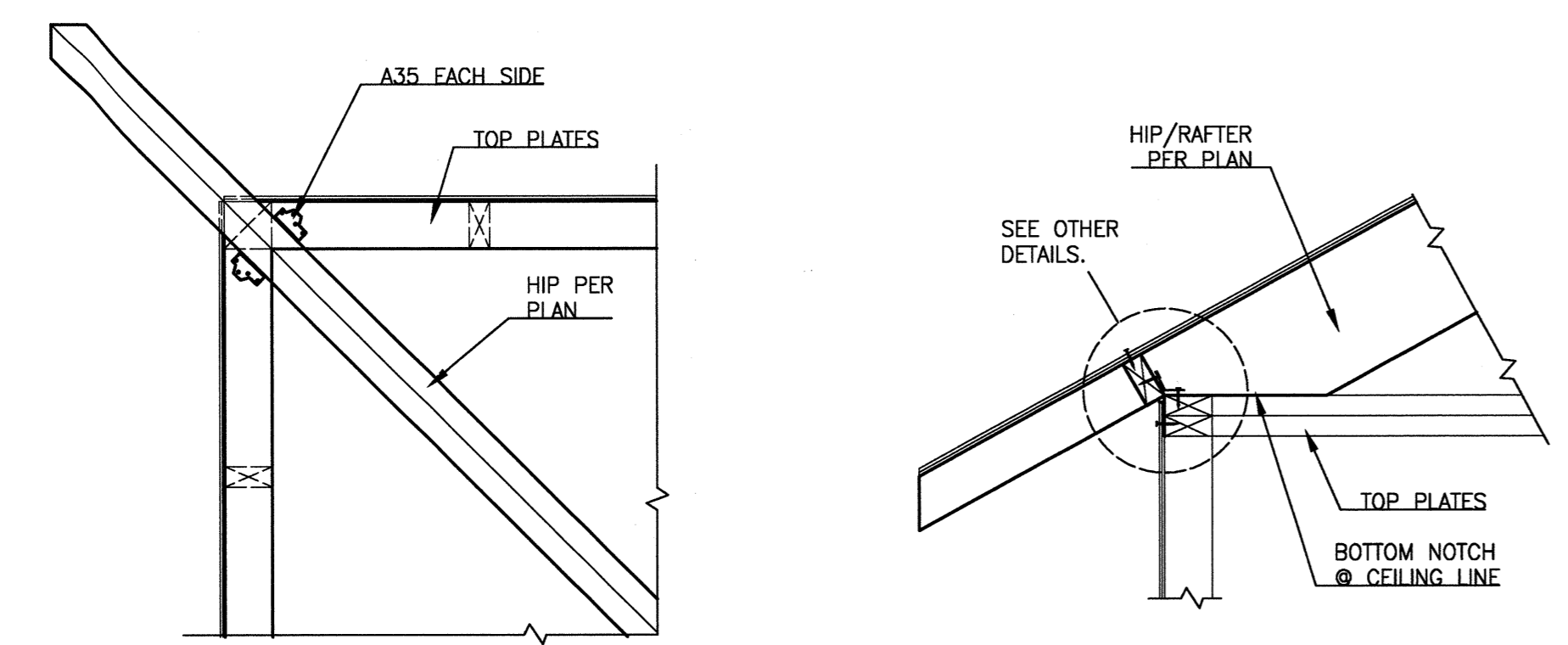
BEAM TOP NOTCH



NOT ALL NAILS SHOWN FOR CLARITY  
\*PROVIDE 4 (2-SIDED) CTS218'S WHERE THESE DIMENSIONS ARE EXCEEDED WITH 24 - SD#9x1-1/2" FASTENERS

Plate Penetration Detail

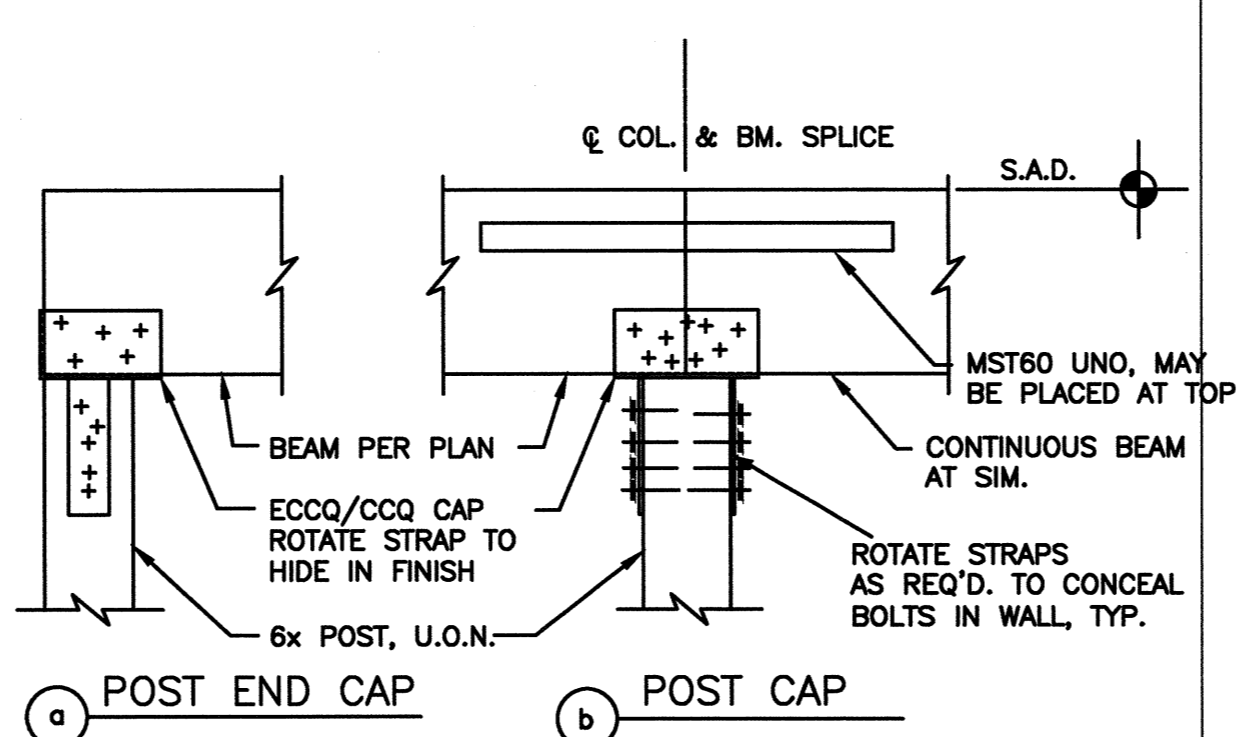
12



NOTES:  
1. MIN. (2) 2x's BELOW HIP SUPPORT POINT  
2. INTERNAL DOUBLERS W/ 6d's @ 6" OC STAGGERED

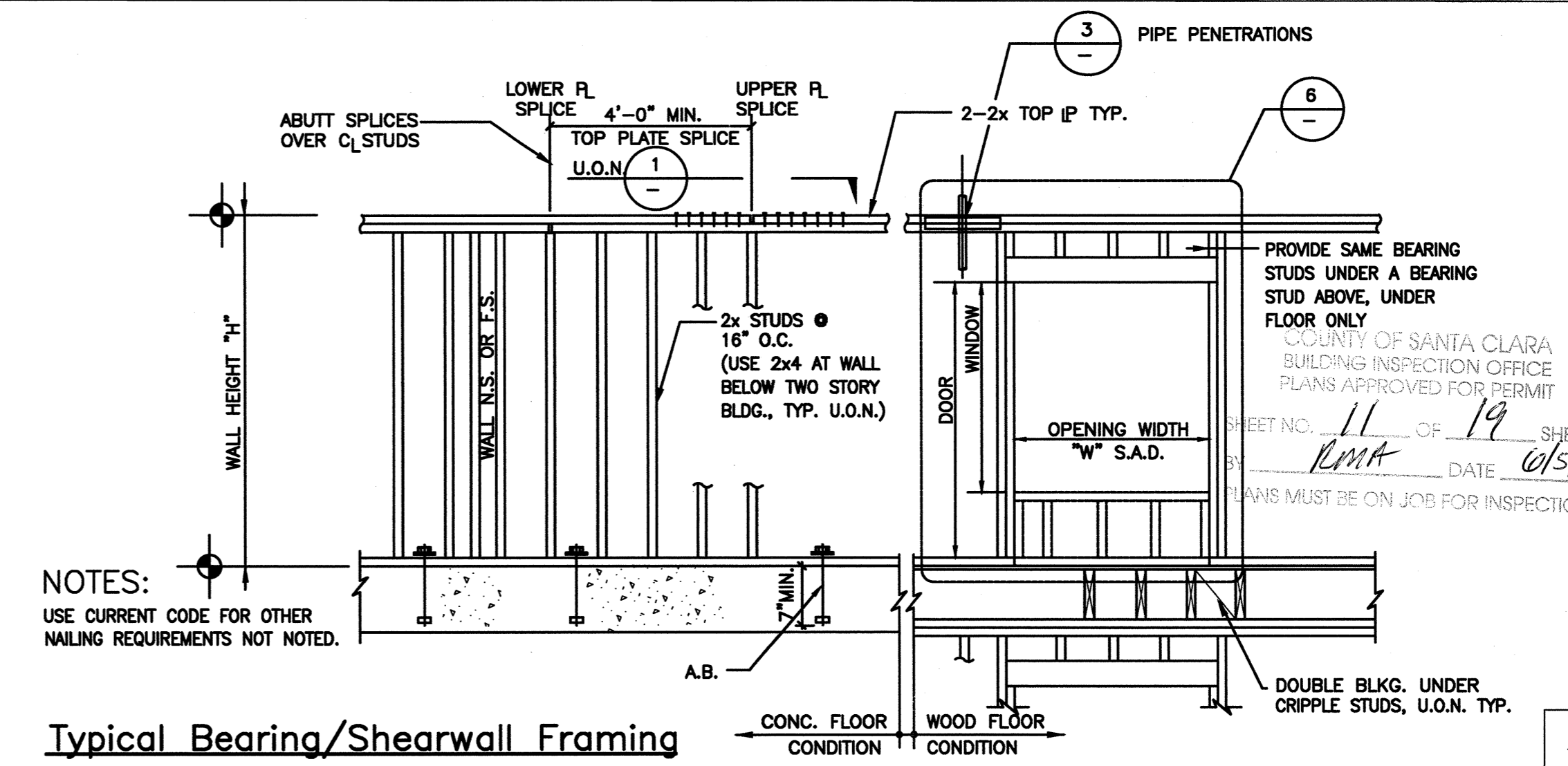
Typical Deep Hip/Rafter Framing @ Support

16



Typ. Bm to Post Connection

12

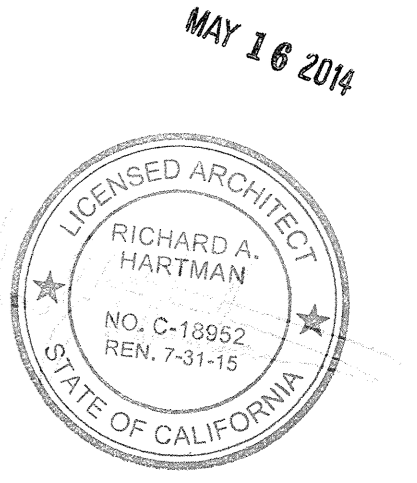


NOTES:  
USE CURRENT CODE FOR OTHER NAILING REQUIREMENTS NOT NOTED.

Typical Bearing/Shearwall Framing

14

January 24, 2014  
NEW DUPLEX



Engineer:  
Hometec Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 985-0496

Revisions		
No.	Date	Description
1		
2		
3		
4		
5		

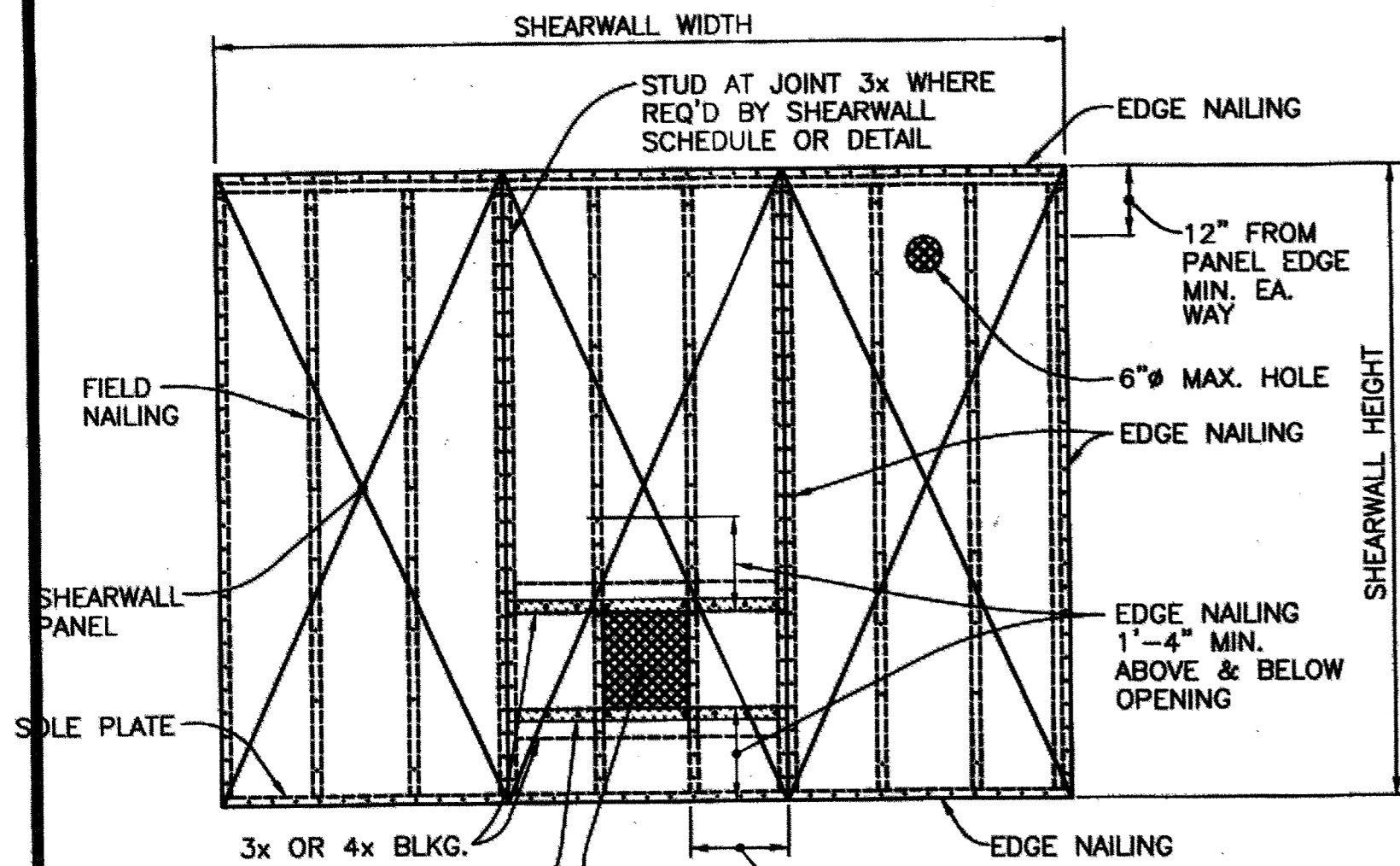
Date: January 24, 2014

Project Number: APEX: 4887-13

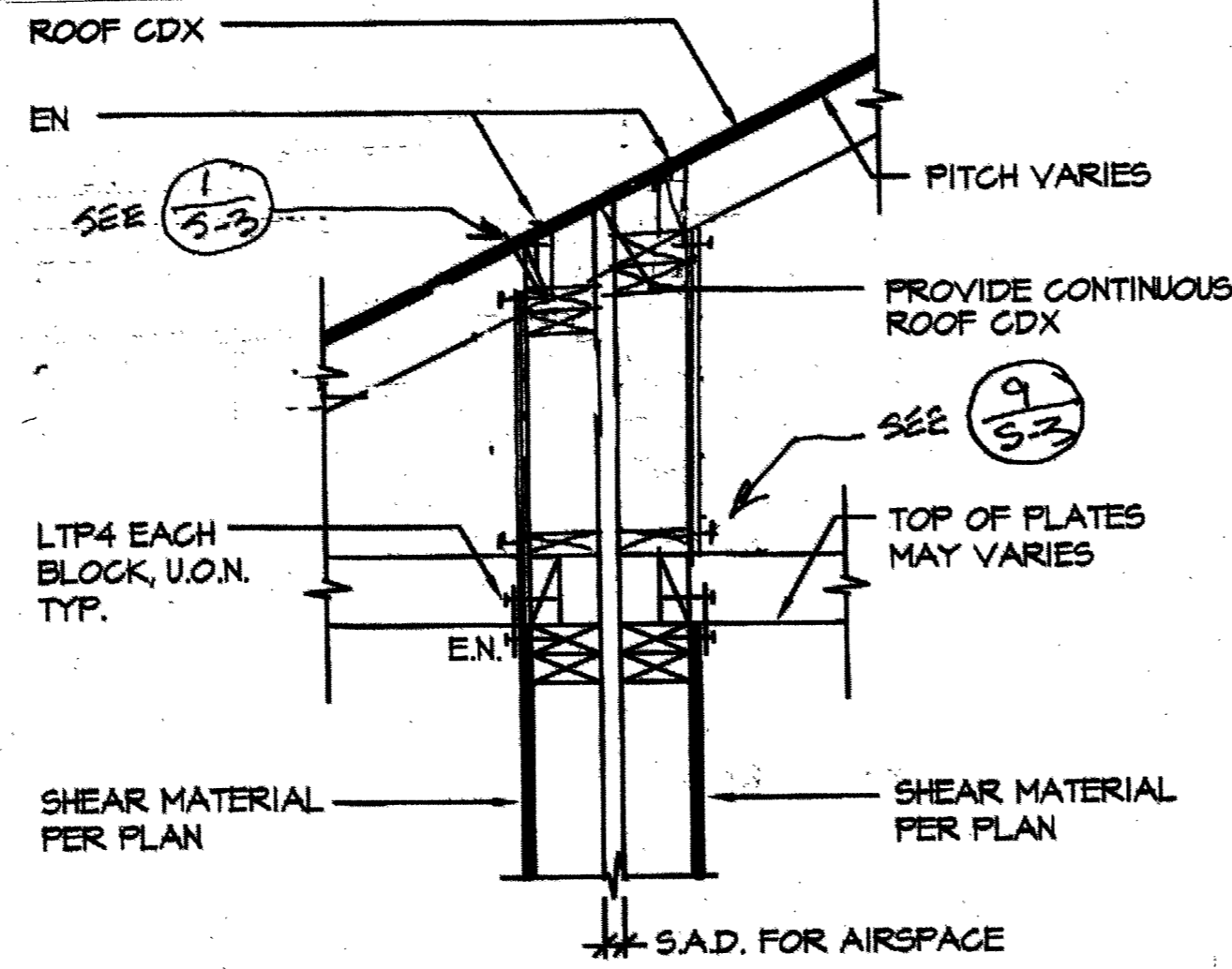
Drawn By: PC Checked By: TY

Sheet Title: Typ. Framing

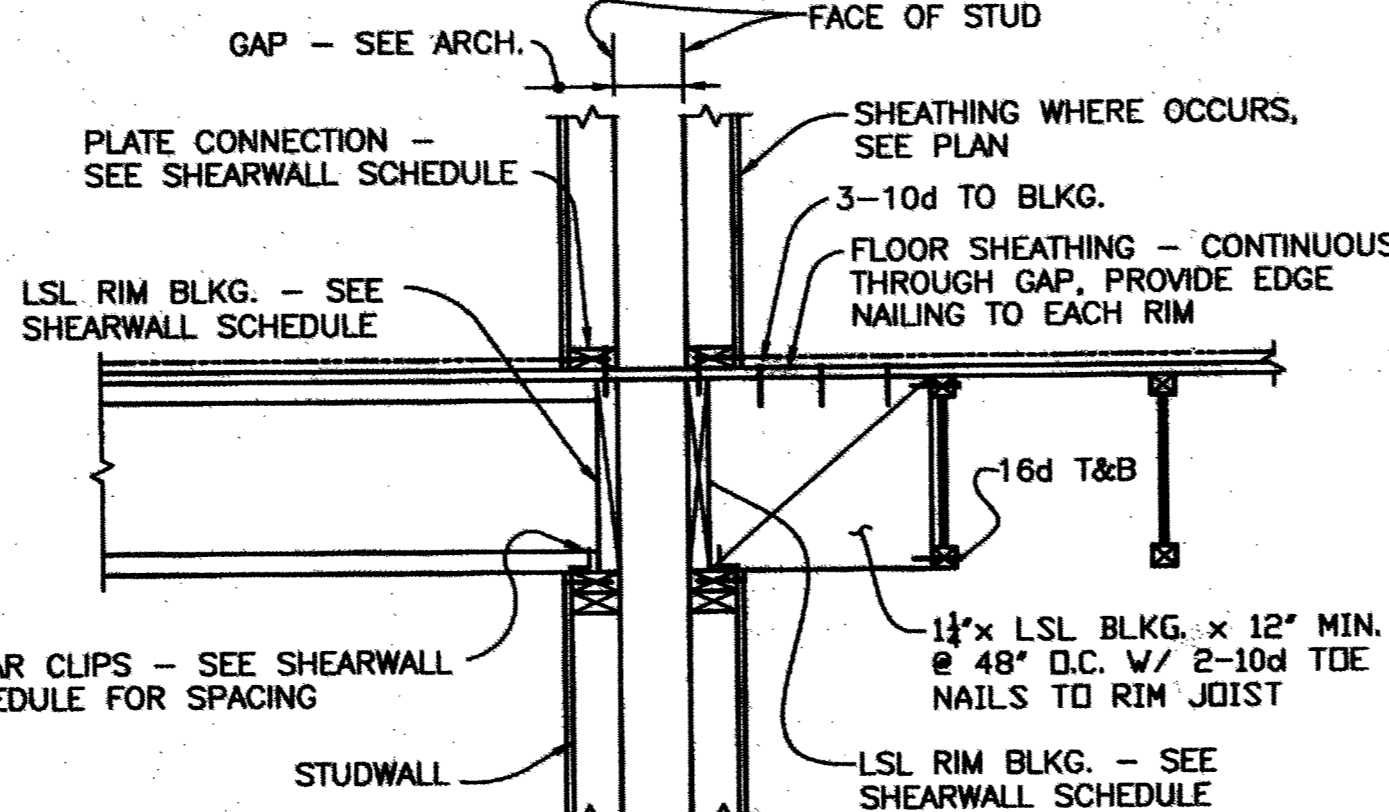
Sheet Number: SF



3x OR 4x BLKG.  
 'CS16' OVER PANEL W/ EDGE NAILING IN STRAP, MIN.  
 14 1/2" x 14 1/2" MAX. PANEL EDGE FROM OPENING  
 1'-4" MIN. TO PANEL EDGE FROM OPENING  
**NOTE:** FOR PENETRATIONS WHICH DO NOT CONFORM TO THE LIMITATIONS HEREIN, CONTACT ENGINEER FOR ADDITIONAL INFORMATION

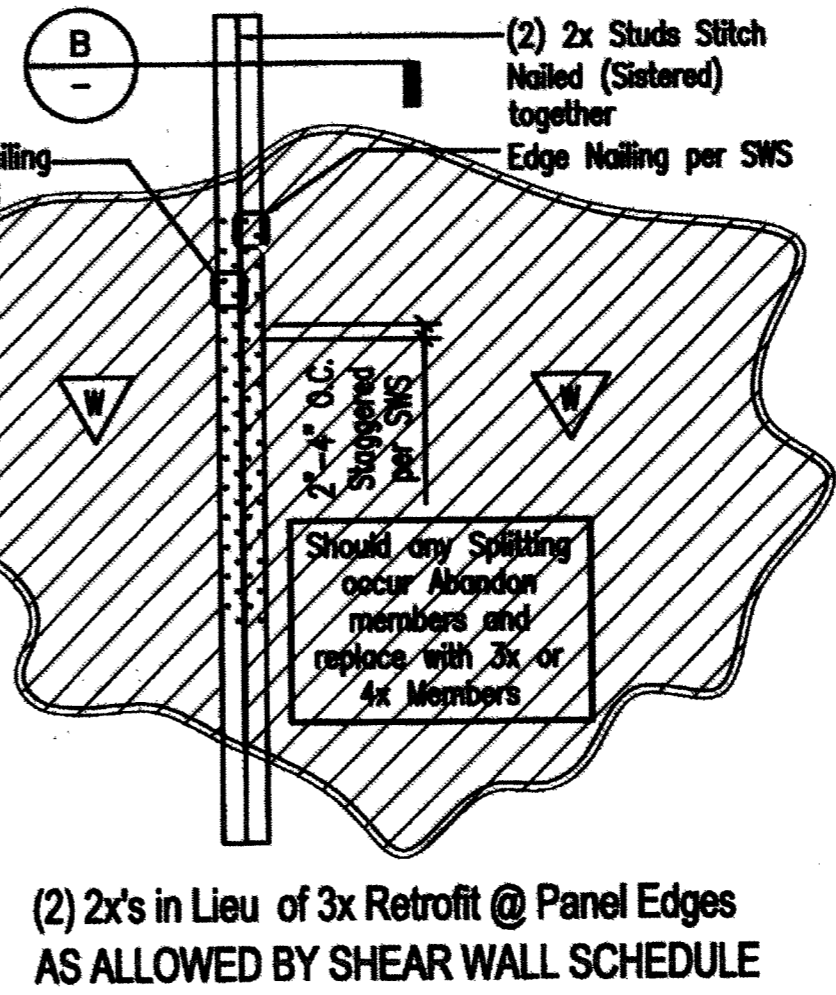
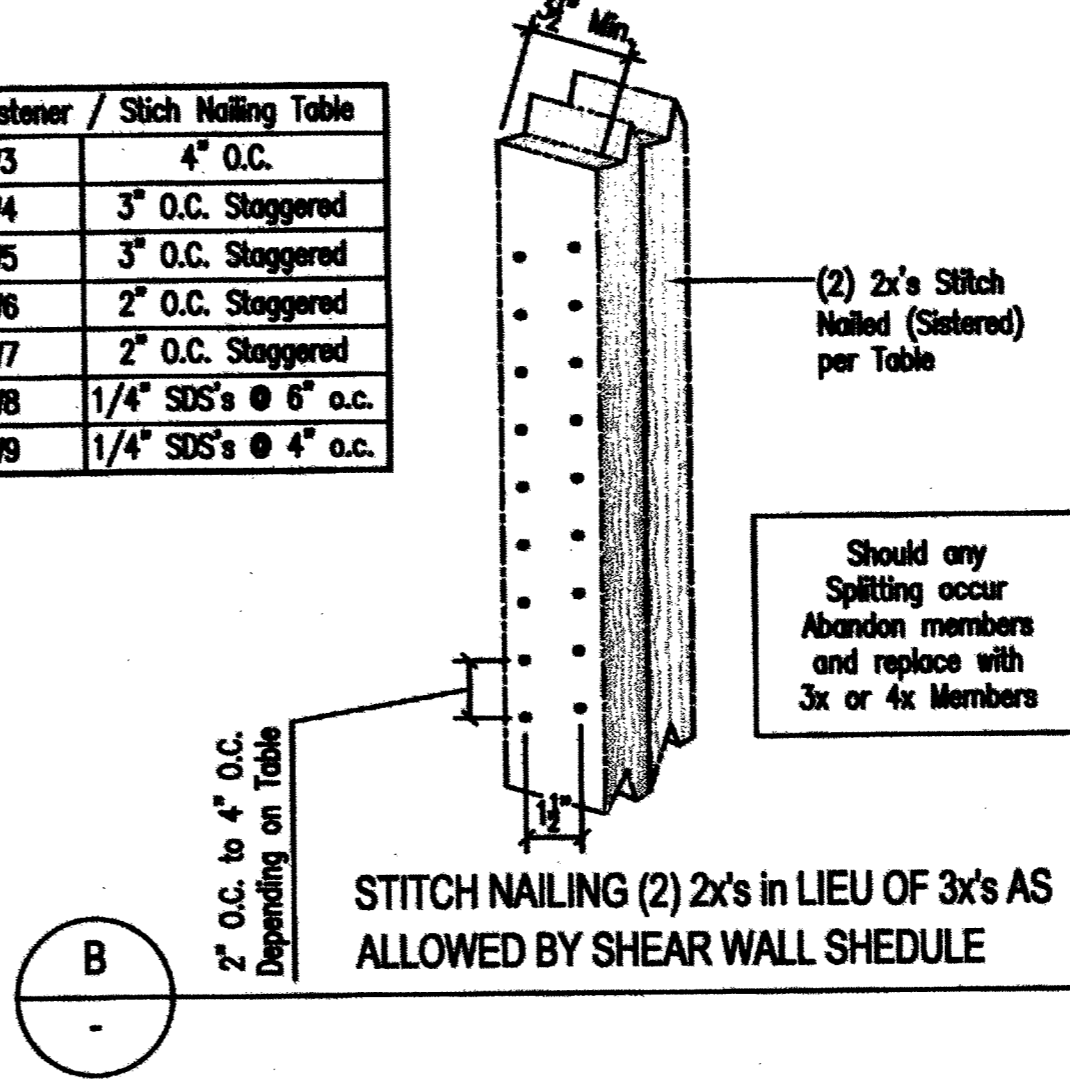


**PARTY WALL @ ROOF**  
 NOTE: PARALLEL PANEL EDGES SHOULD NOT OCCUR IN THE GAP OF THE PARTY WALL.

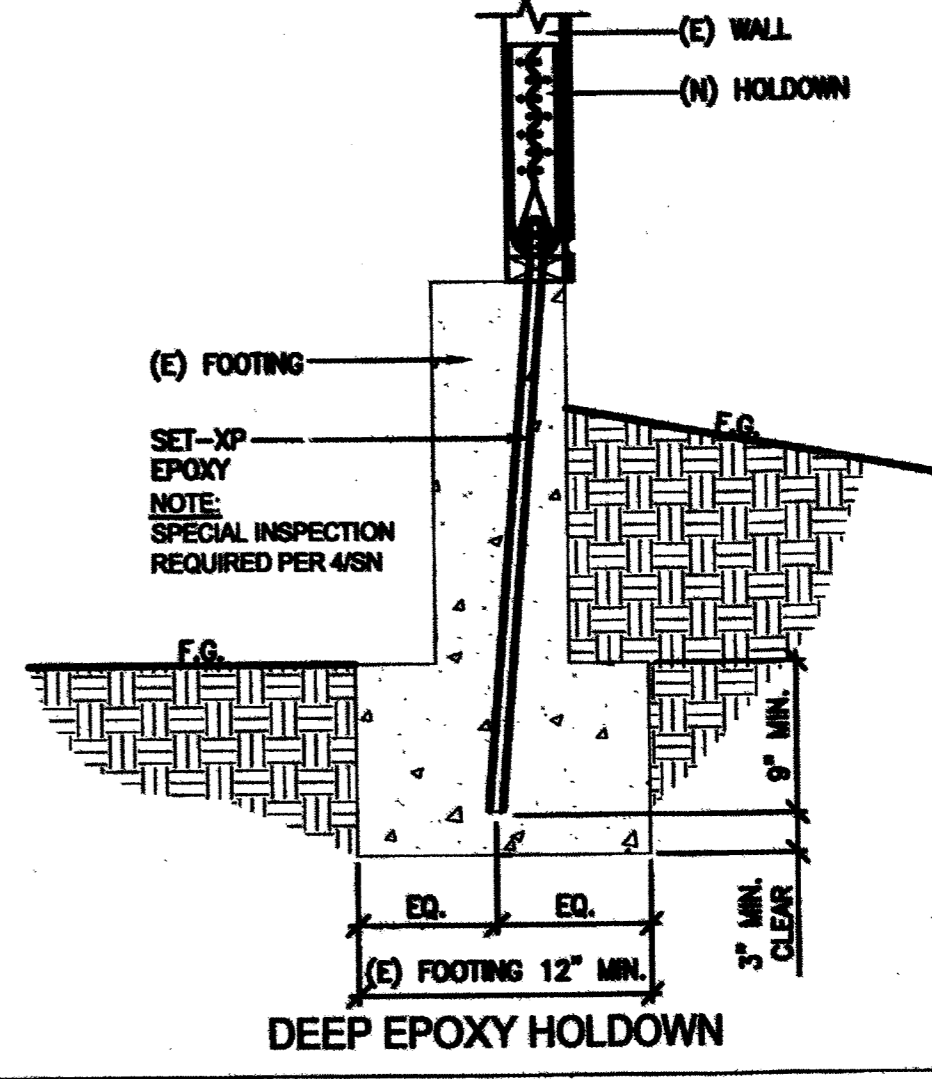


18 WHERE JOISTS ARE PERPENDICULAR 19 WHERE JOISTS ARE PARALLEL

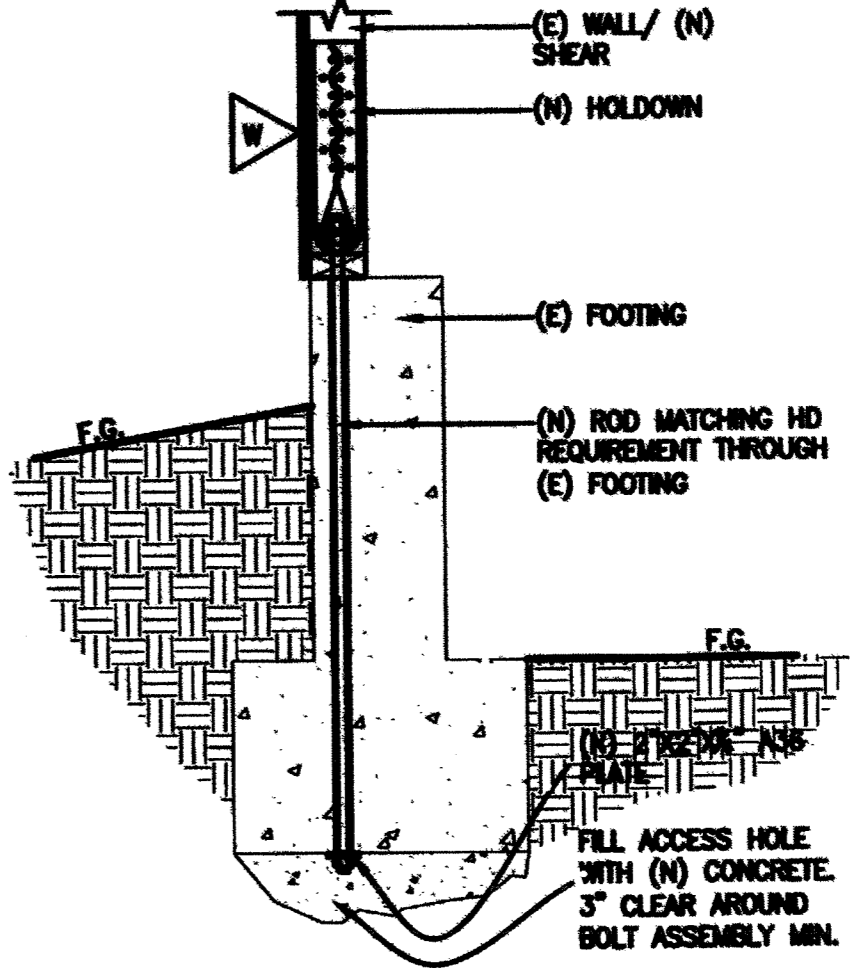
Fastener / Stich Nailing Table	
W3	4" O.C.
W4	3" O.C. Staggered
W5	3" O.C. Staggered
W6	2" O.C. Staggered
W7	2" O.C. Staggered
W8	1/4" SDS's @ 6" o.c.
W9	1/4" SDS's @ 4" o.c.



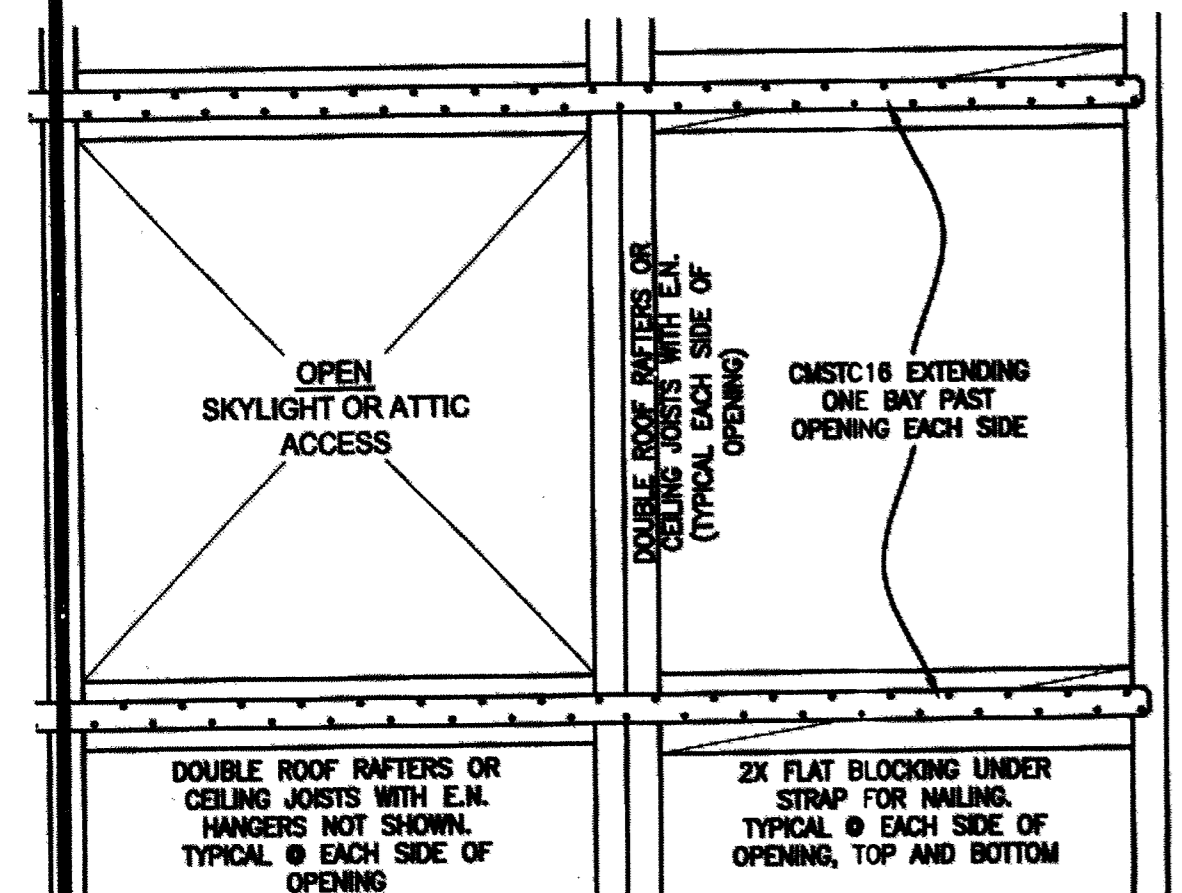
(2) 2x's in Lieu of 3x Retrofit @ Panel Edges AS ALLOWED BY SHEAR WALL SCHEDULE



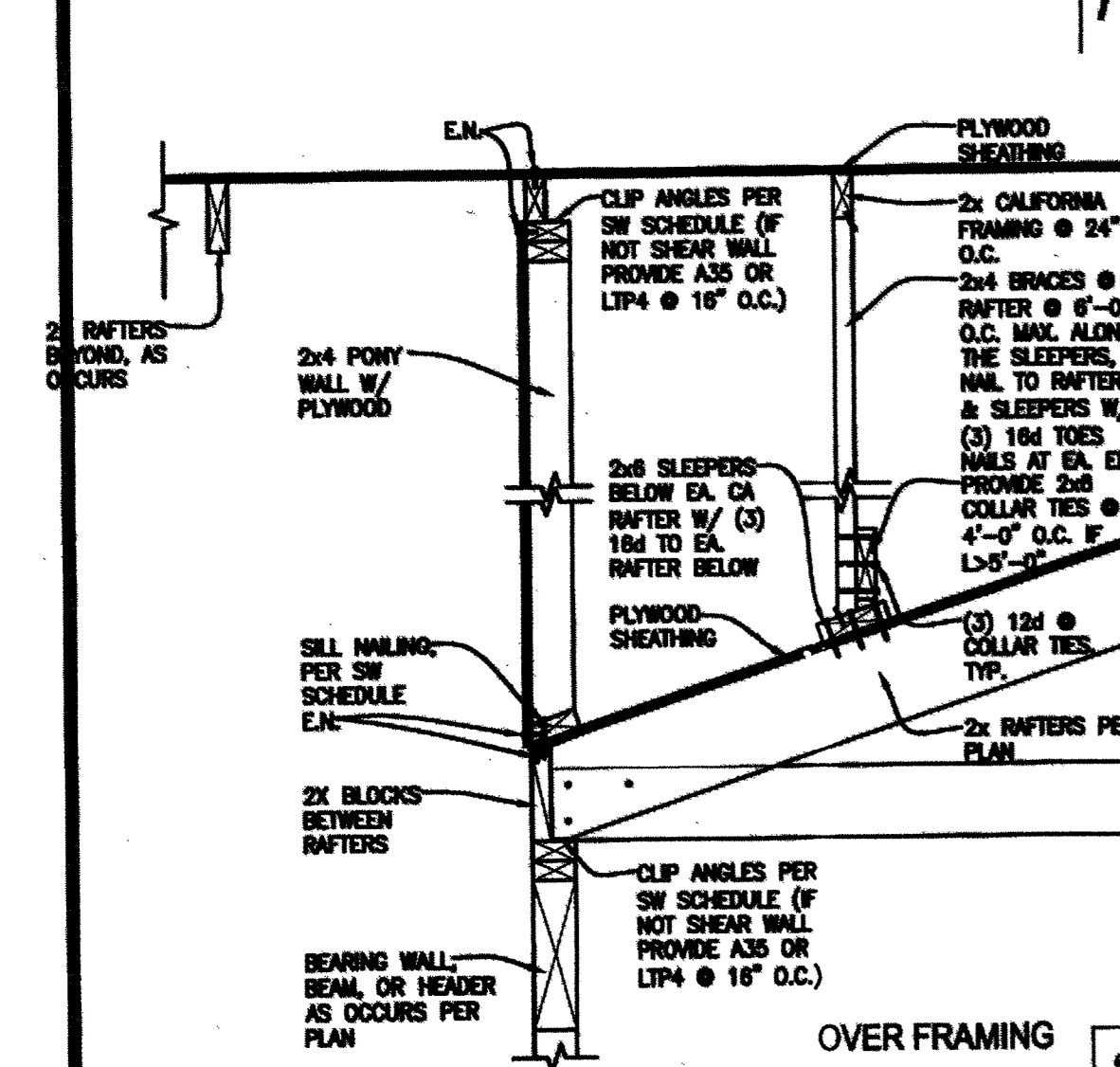
DEEP EPOXY HOLDOWN



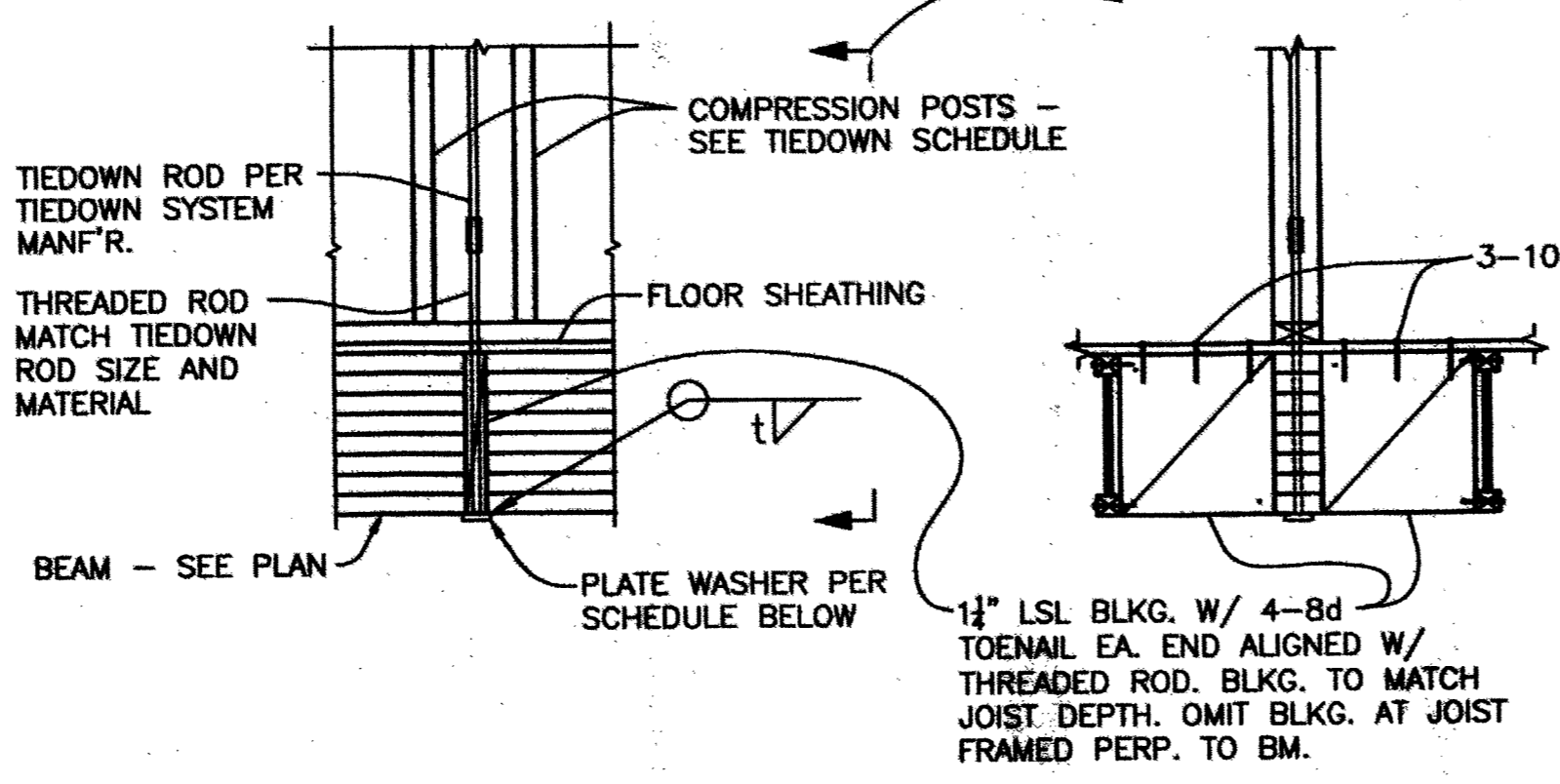
THROUGH HOLDOWN IN EXISTING FOOTING



**SKYLIGHT OR ATTIC ACCESS FRAMING / STRAPPING**

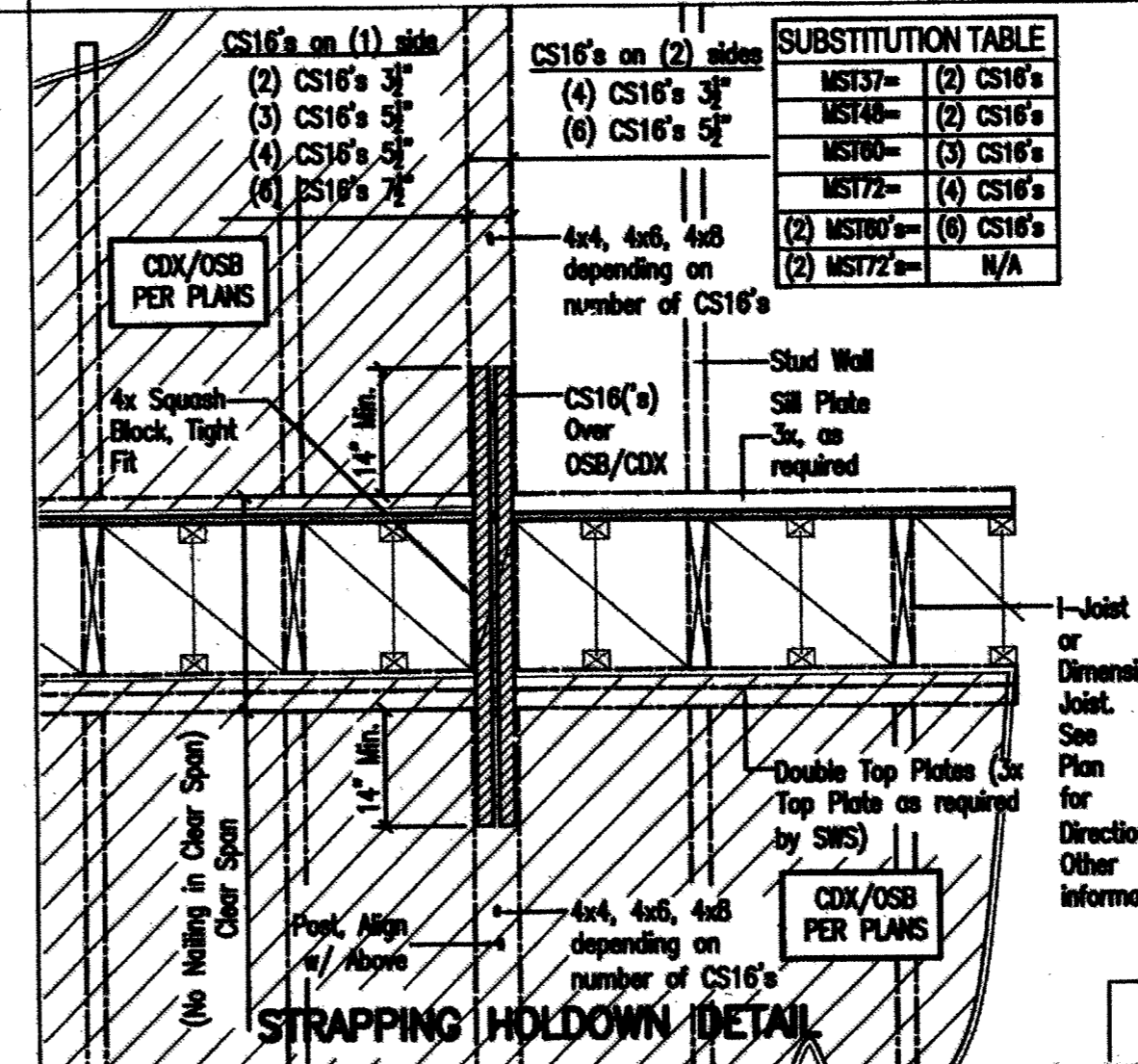


OVER FRAMING

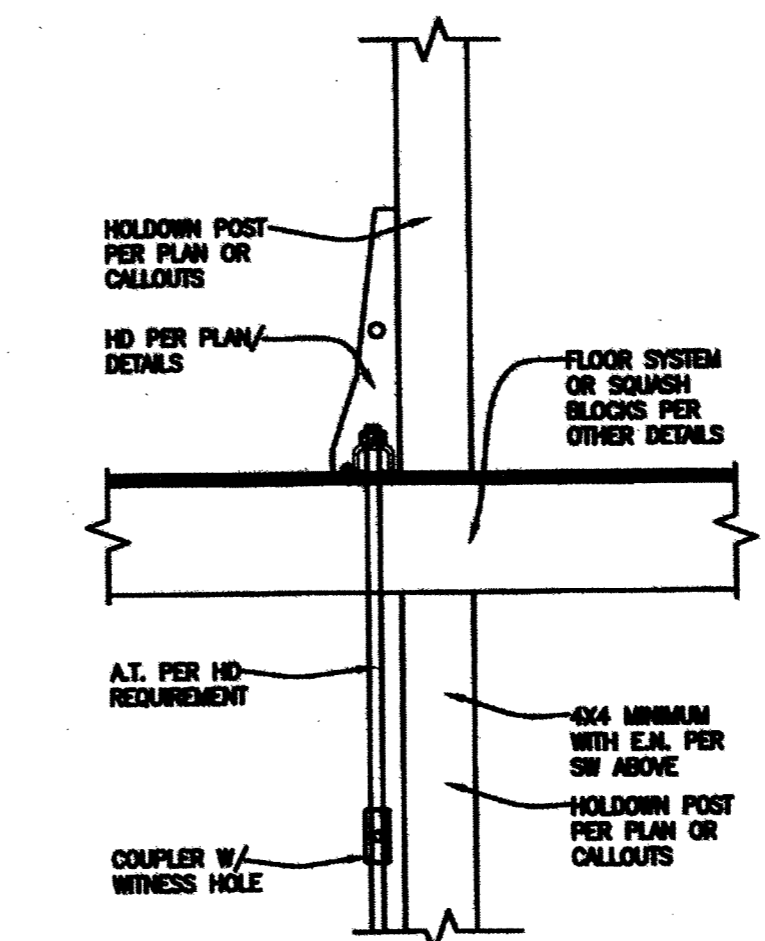


ROD DIAMETER	BEARING PLATE	WELD SIZE, t (IN.)
1/2" A307	3" x 4 1/2" x 3/8" THICK	1/4"
3/8" A307	5" x 5 1/2" x 3/8" THICK	3/8"

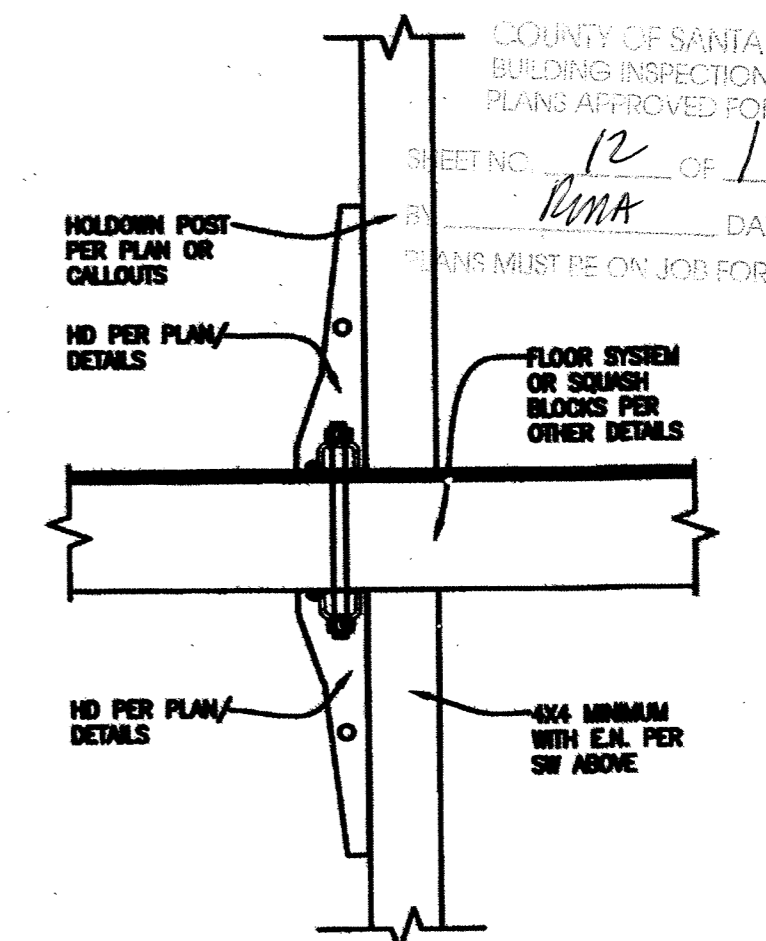
NOTE: 1. WIDTH OF BEAM SHALL BE LARGER THAN BEARING PLATE WIDTH



**STRAPPING HOLDOWN DETAIL**

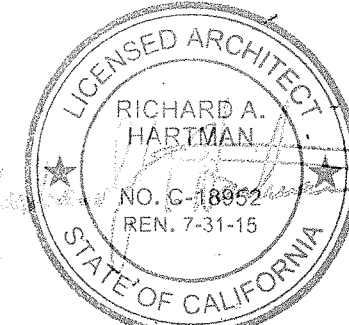


Holddown to Rod



Holddown to Holdown

January 24, 2014  
 NEW DUPLEX

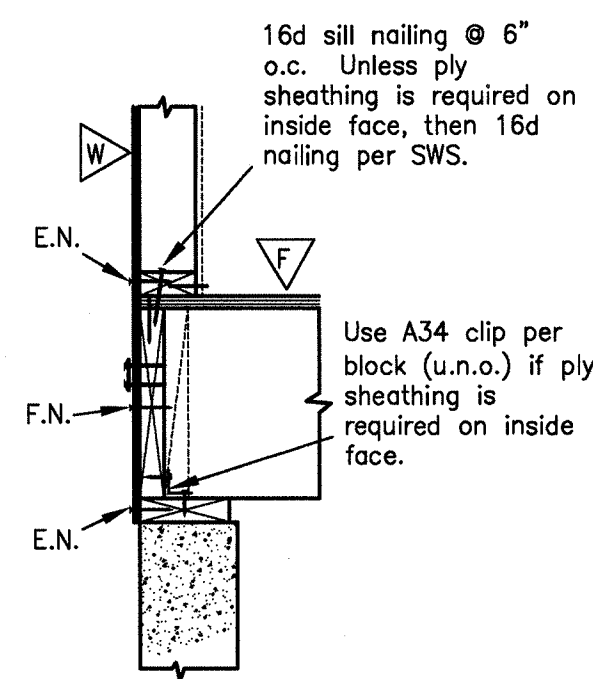


Engineer:  
 Homelec Architecture  
 619 N 1st Street  
 San Jose, CA 95112  
 (408) 985-0496

Date: January 24, 2014

Revisions	No.	Date	Description
1	5/2/14		PLAN CHECK
2			
3			
4			
5			

Project Number: APEX: 4687-13  
 Drawn By: PC Checked By: TY  
 Sheet Title: Typ. Framing  
 Sheet Number: SF2



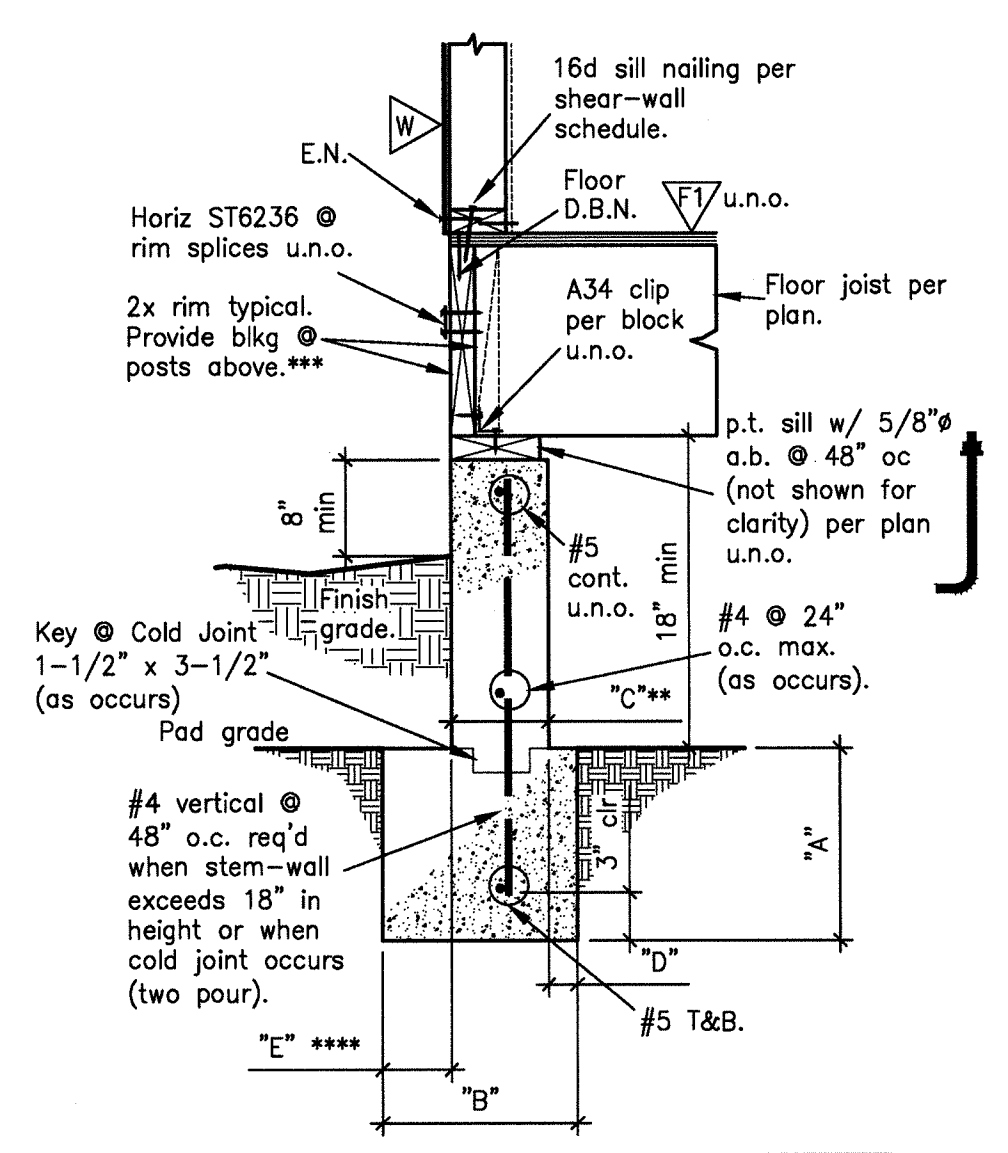
Alternate

E.N. = edge nailing  
F.N. = field nailing  
D.B.N. = diaphragm boundary nailing

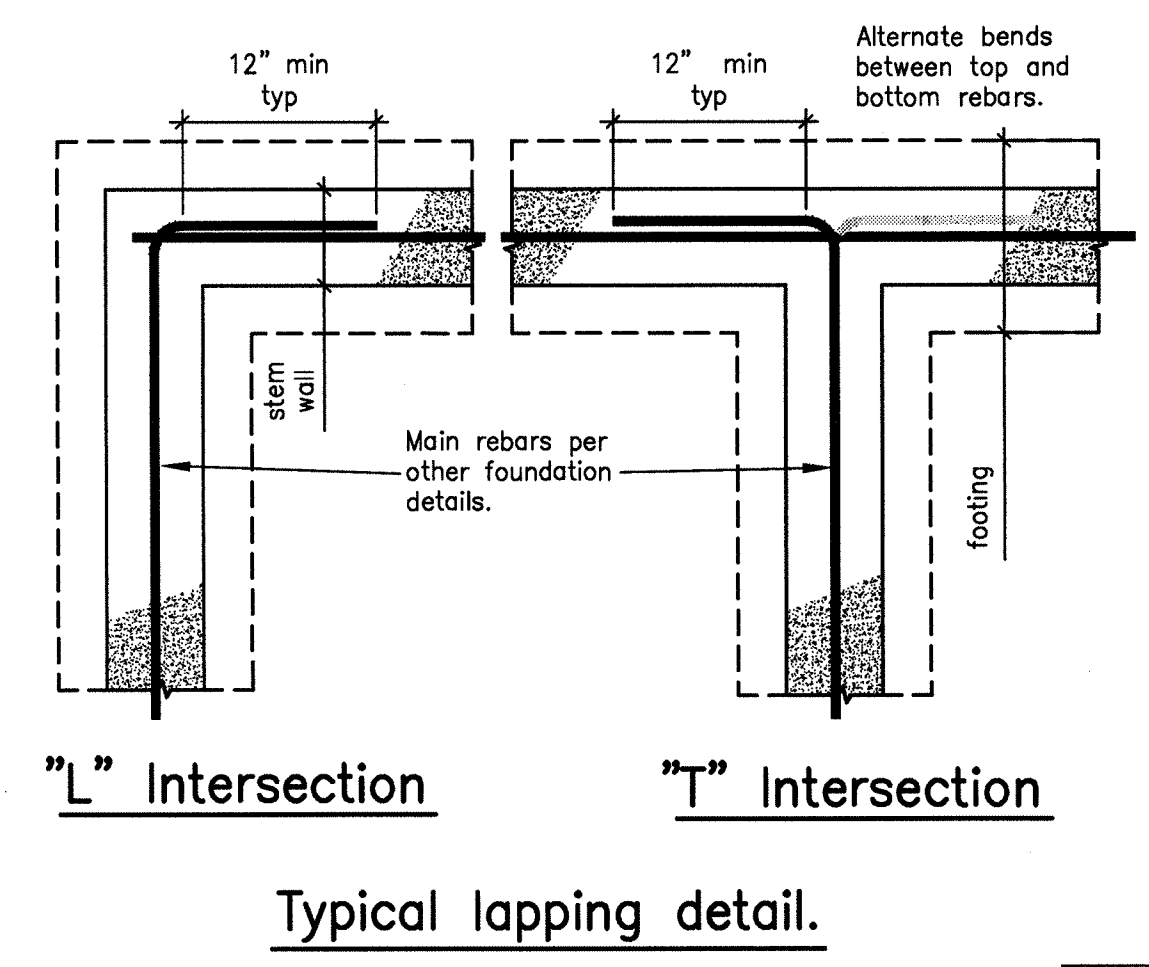
Number of floors supported	A	B	C	D	E
1	12"	12"	6"	2"	4"
2	18"	15"	8"	1"	6"
3	24"	18"	10"	1"	7"

Typical T-Footing (exterior condition joist L shown)

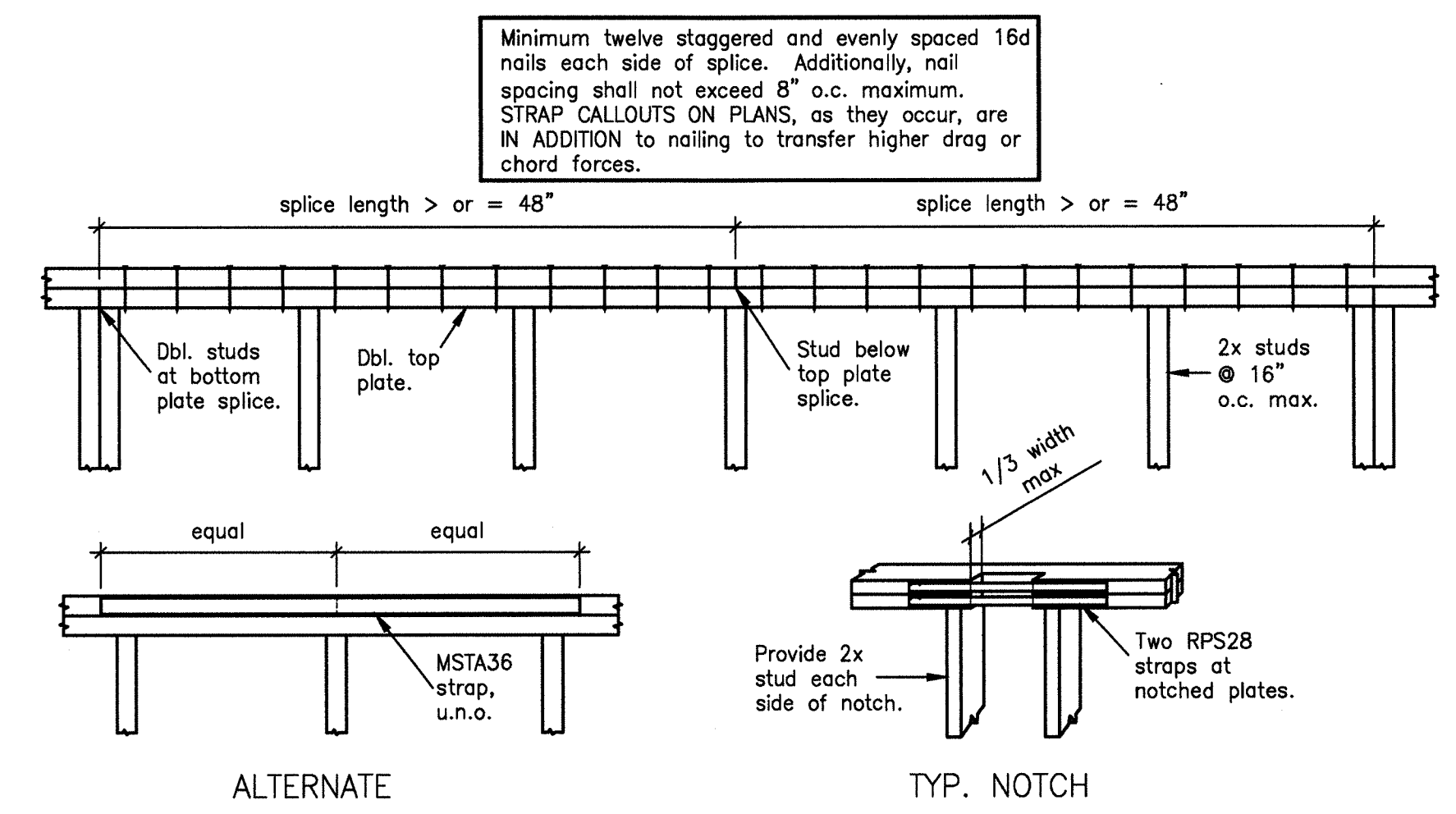
THIS DETAIL SHOWS TYPICAL FOOTING INFORMATION AND SHOULD BE REFERENCED WHEN OTHER SIMILAR DETAILS ARE INTENTIONALLY INCOMPLETE. THIS INFORMATION IS GIVEN IN ONE PLACE ONLY TO AVOID CONFLICTING INFORMATION IN THESE AFOREMENTIONED SIMILAR DETAILS.



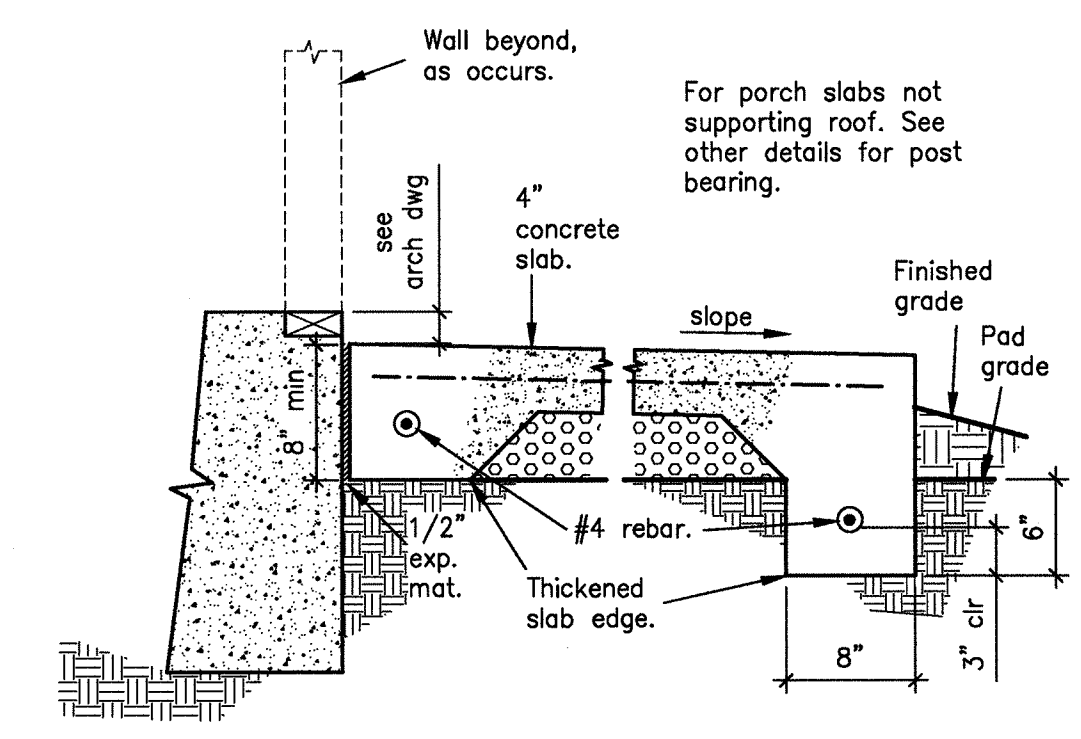
\* Deepen footing as req'd at holddown locations.  
\*\* Stem-wall to be 8" min. at holddown locations.  
\*\*\* Use 4x 8m @ W5 or greater above.  
\*\*\*\* Not for masonry veneer support.



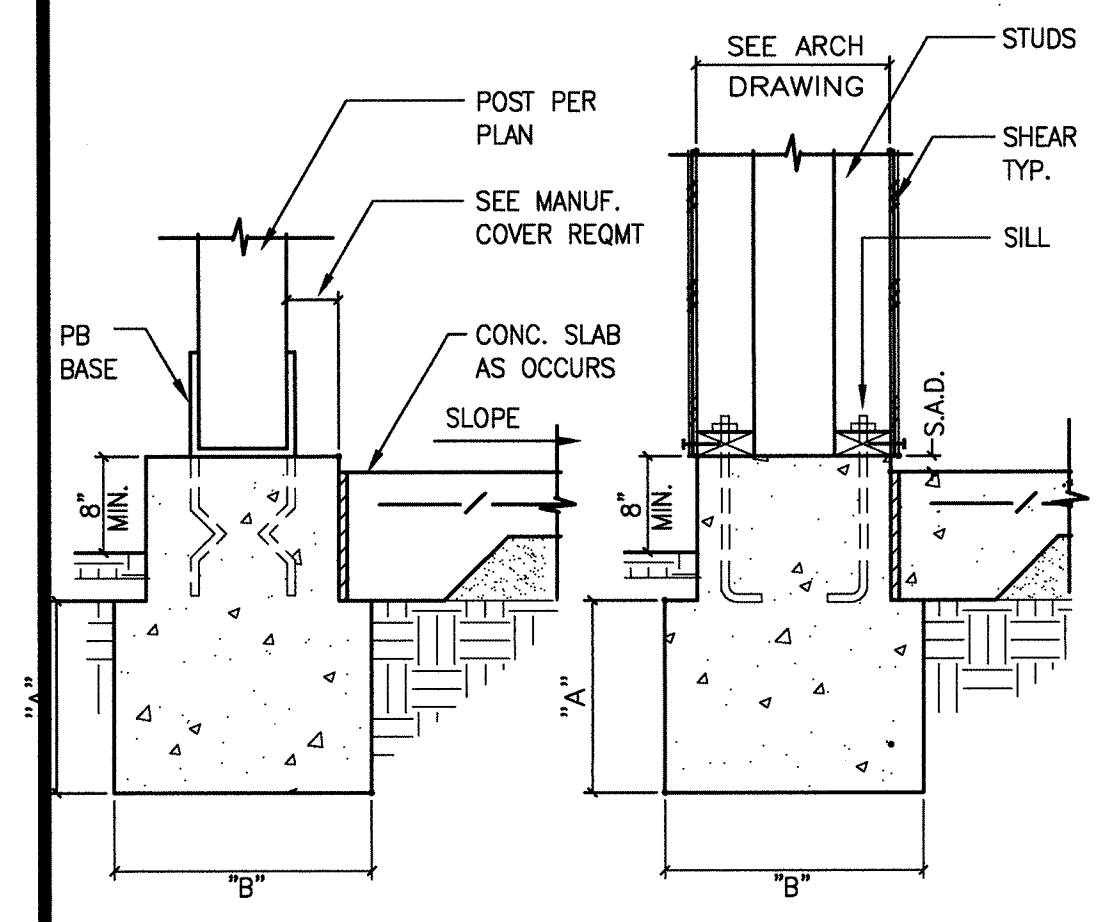
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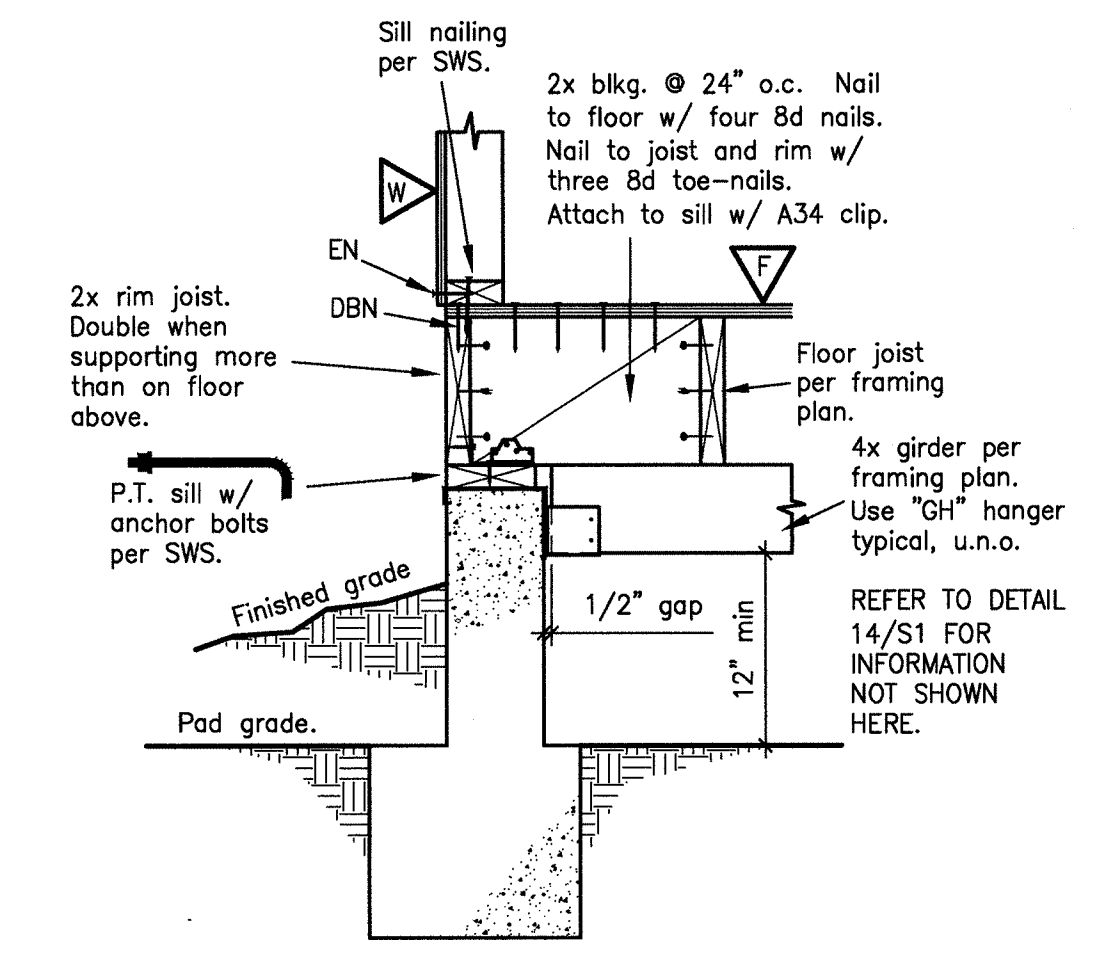
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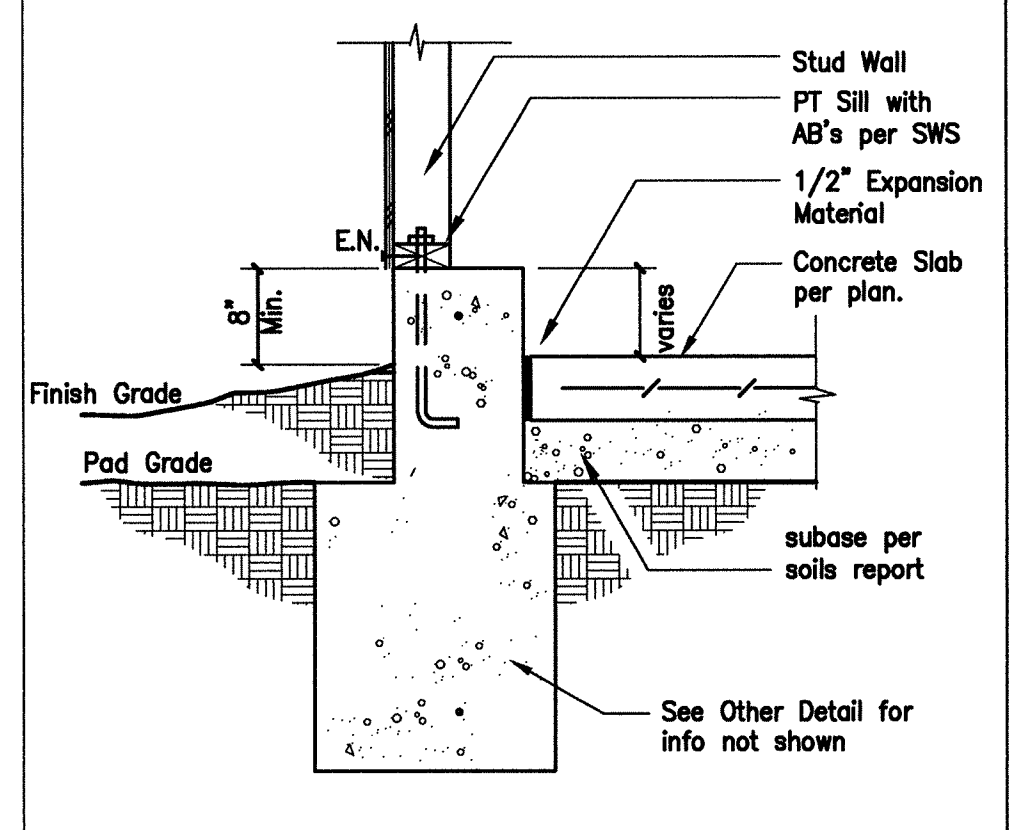
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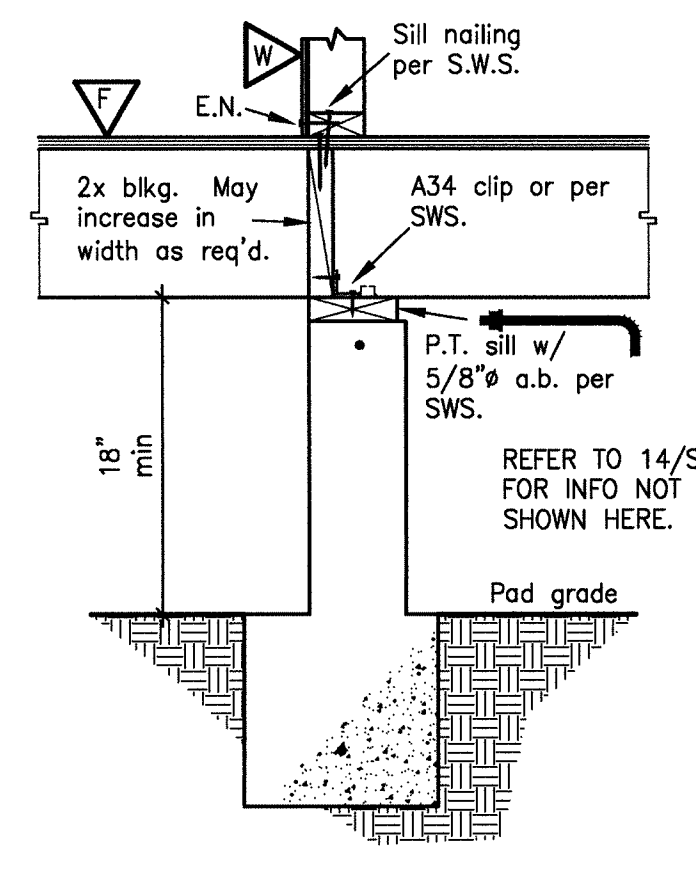
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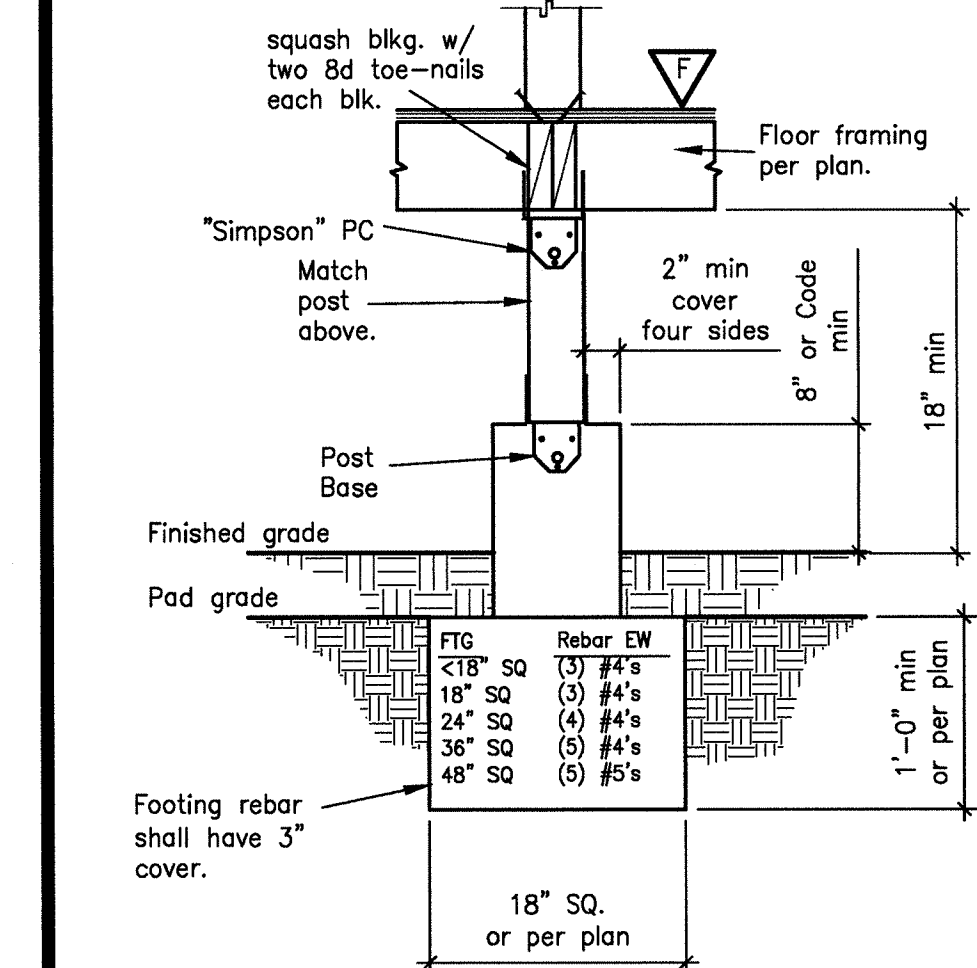
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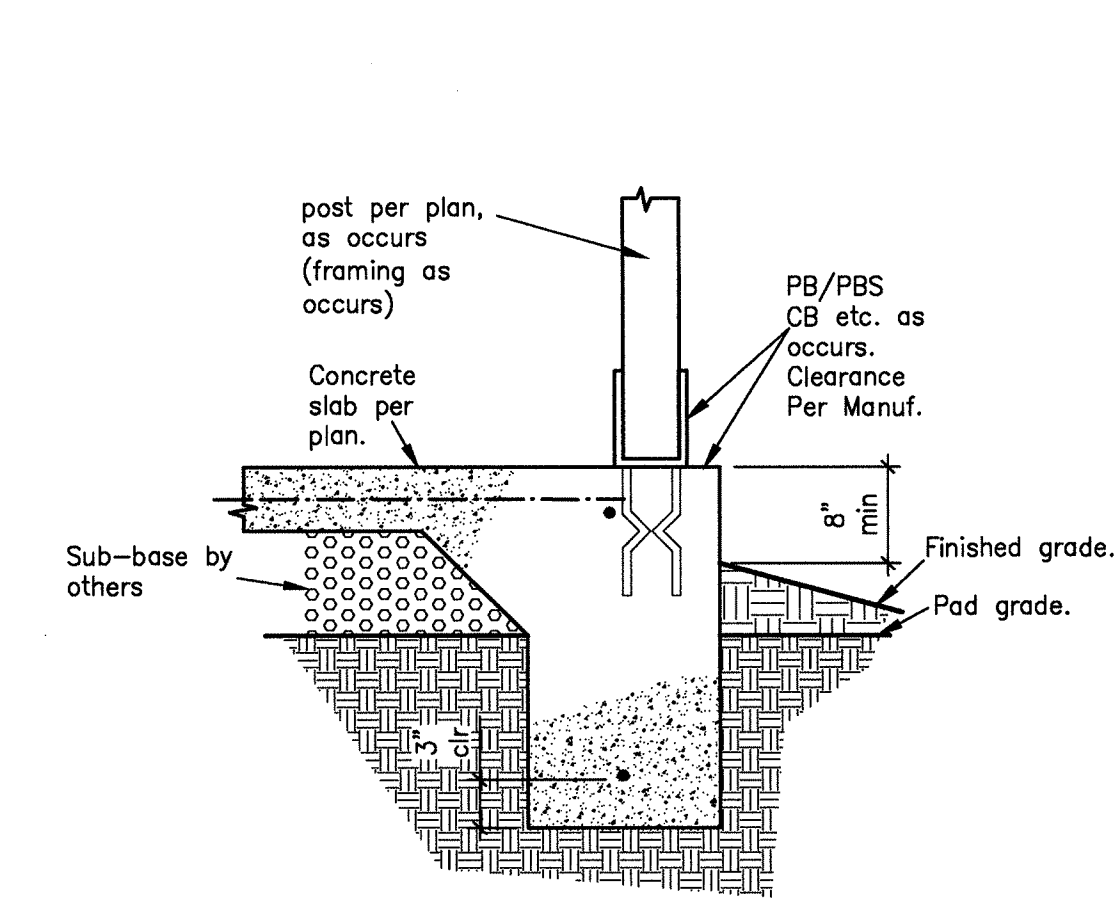
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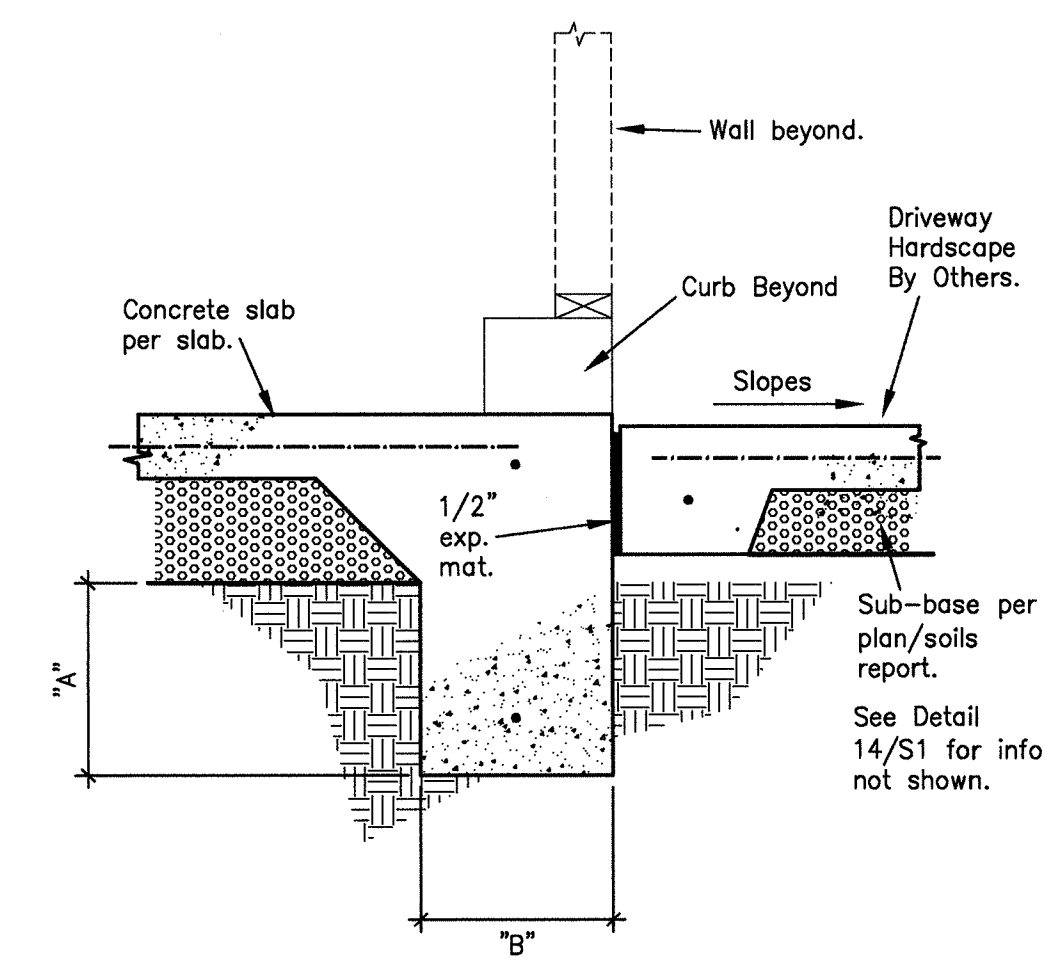
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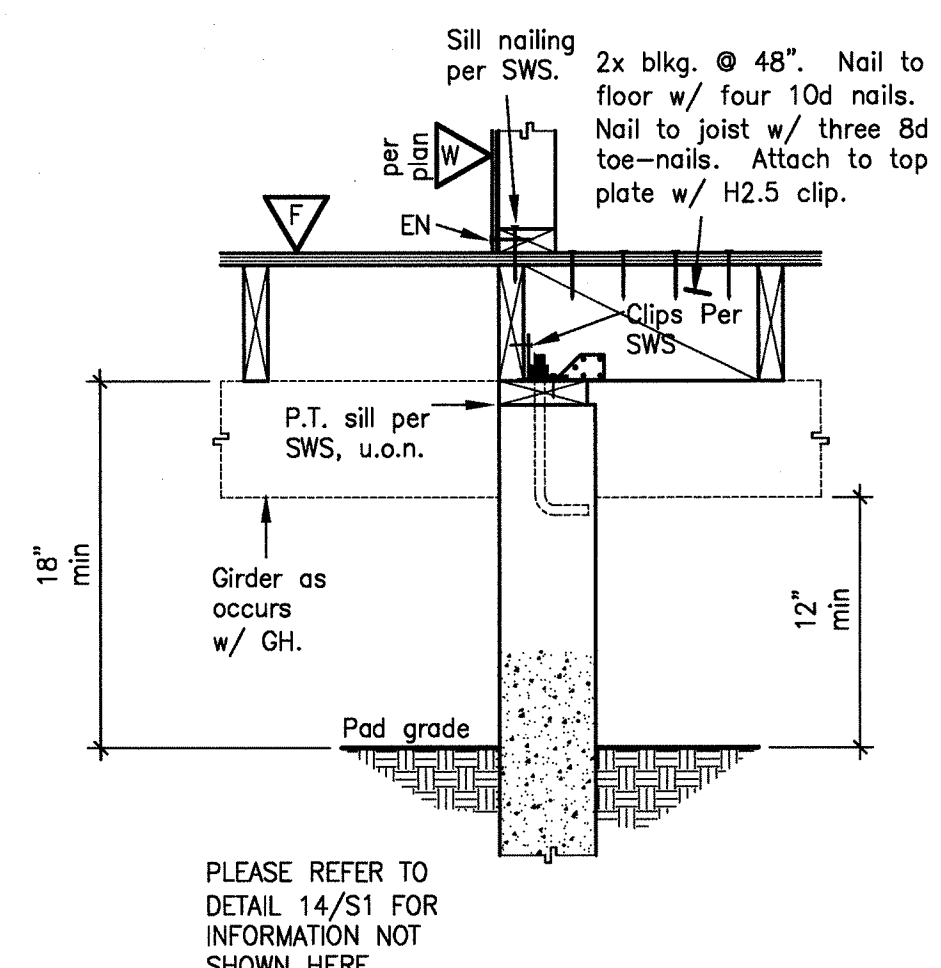
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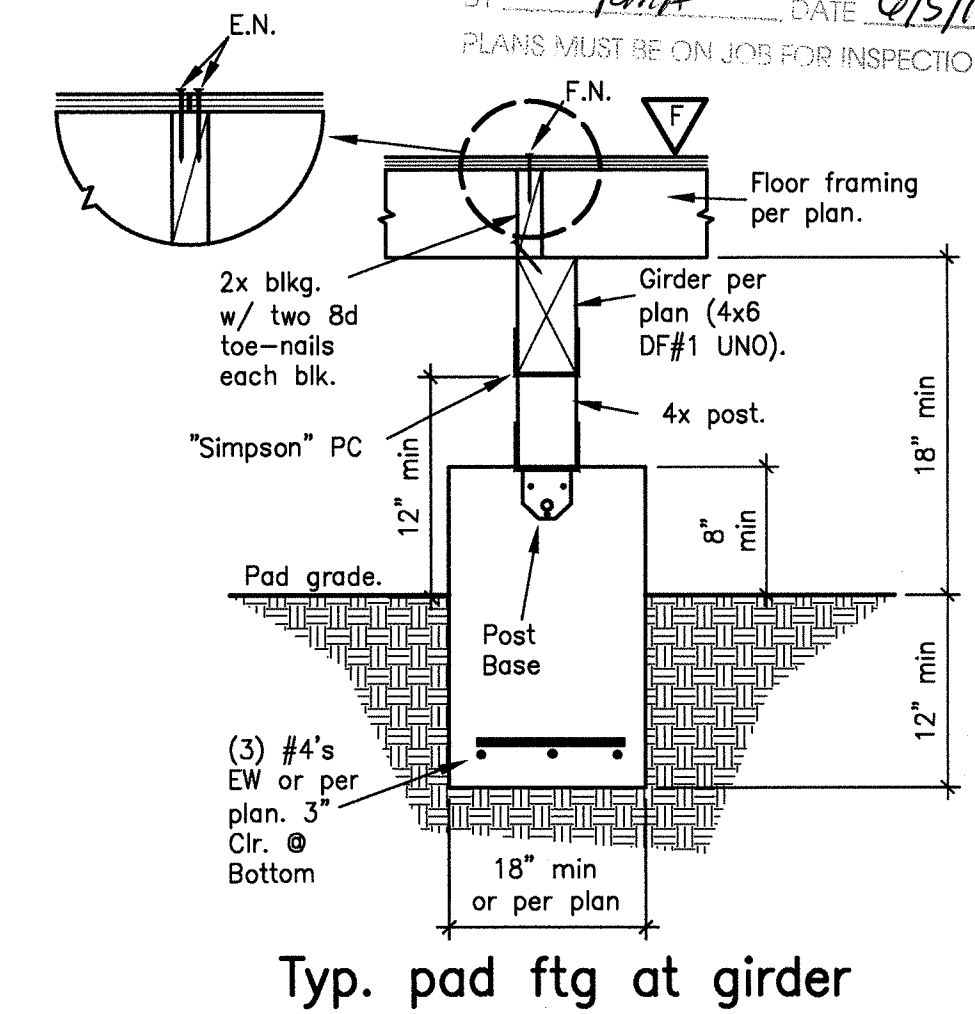
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12



8



4

COUNTY OF SANTA CLARA  
BUILDING INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT

SHEET NO. 13 OF 19 SHEETS

BY: LMA DATE: 6/5/14

PLANS MUST BE ON JOB FOR INSPECTIONS

3

Engineer:  
Homotec Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 935-0496

Date: January 24, 2014

Revisions		
No.	Date	Description
1		
2		
3		
4		
5		

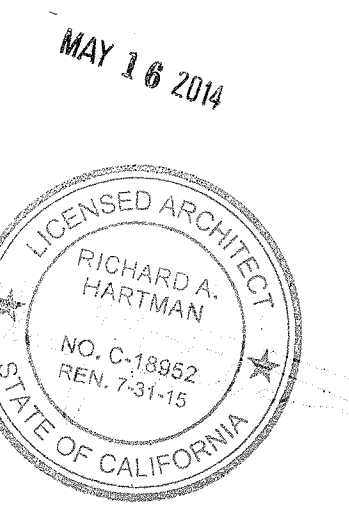
Project Number:  
APEX: 4887-13

Drawn By: PC Checked By: TY

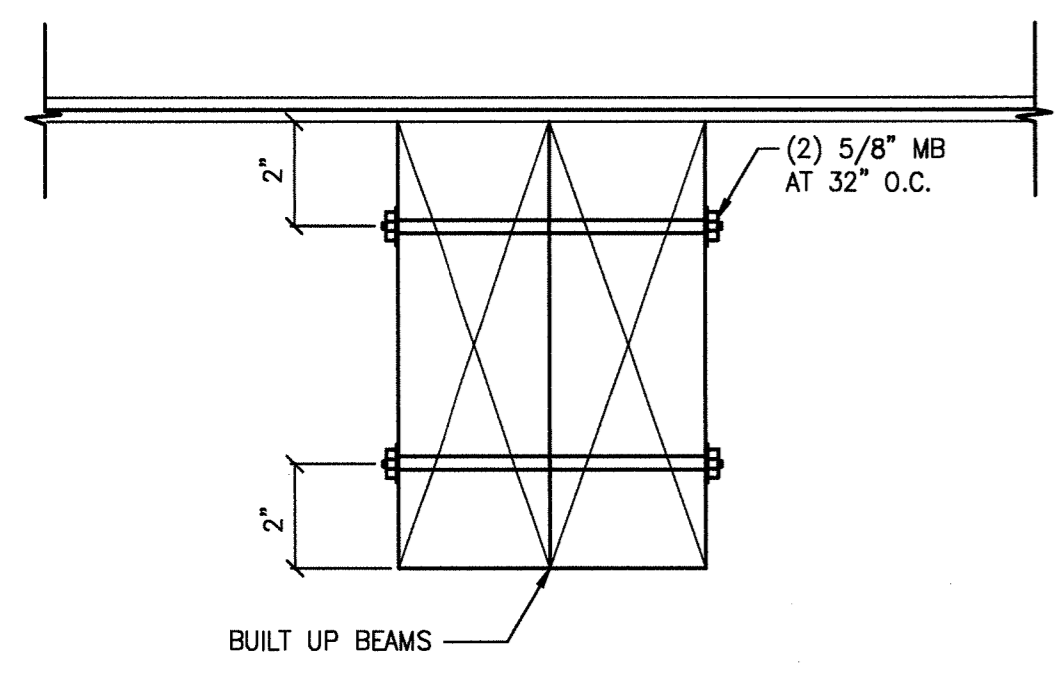
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**Details**

Sheet Number:  
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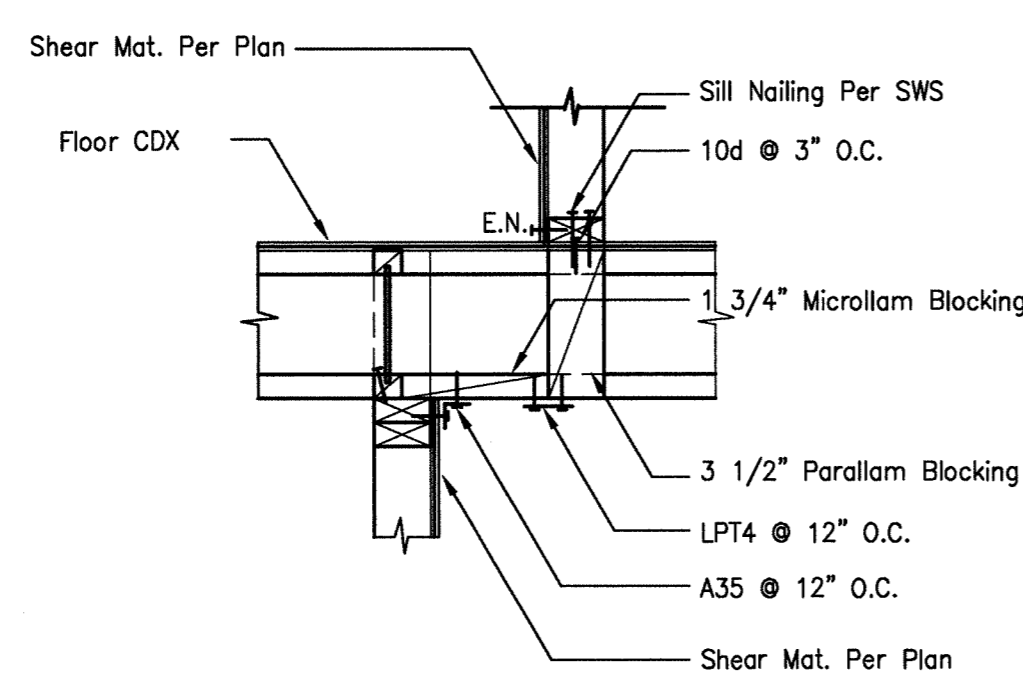
January 24, 2014  
NEW DUPLEX



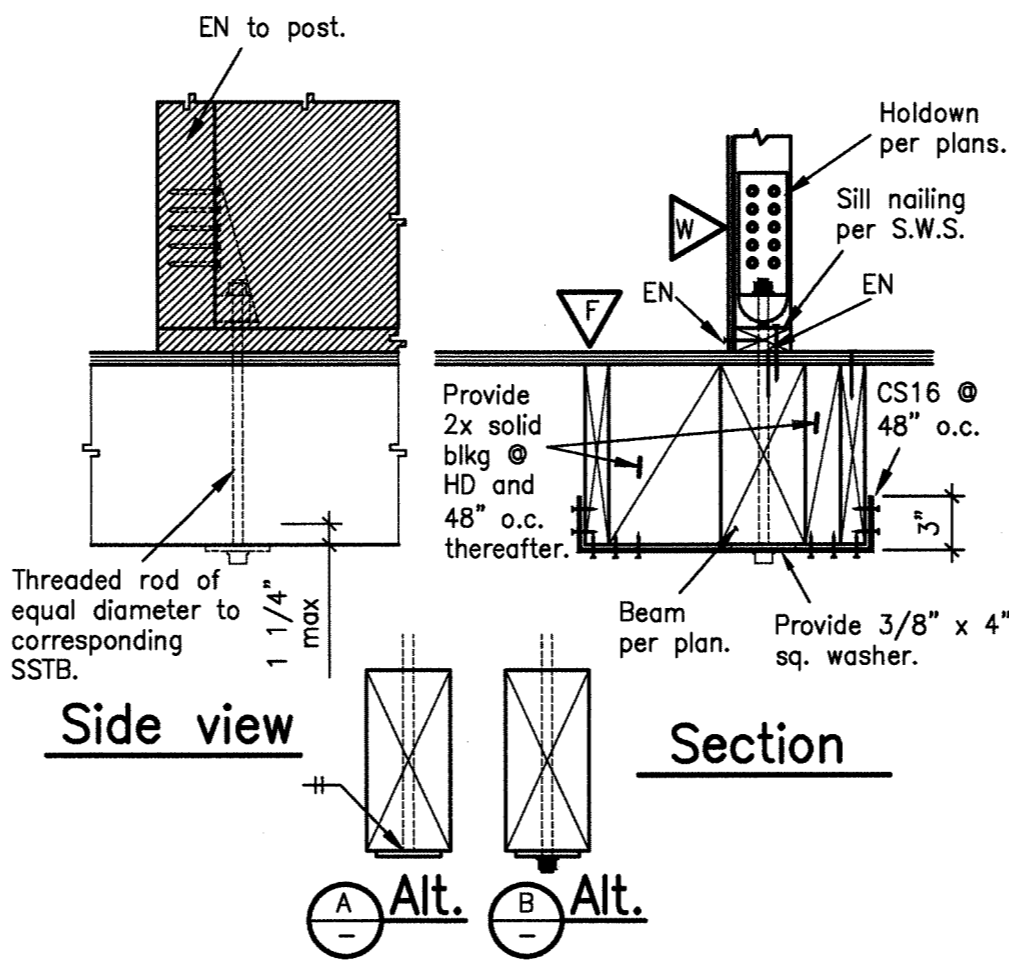
Engineer:  
Homotec Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 935-0496



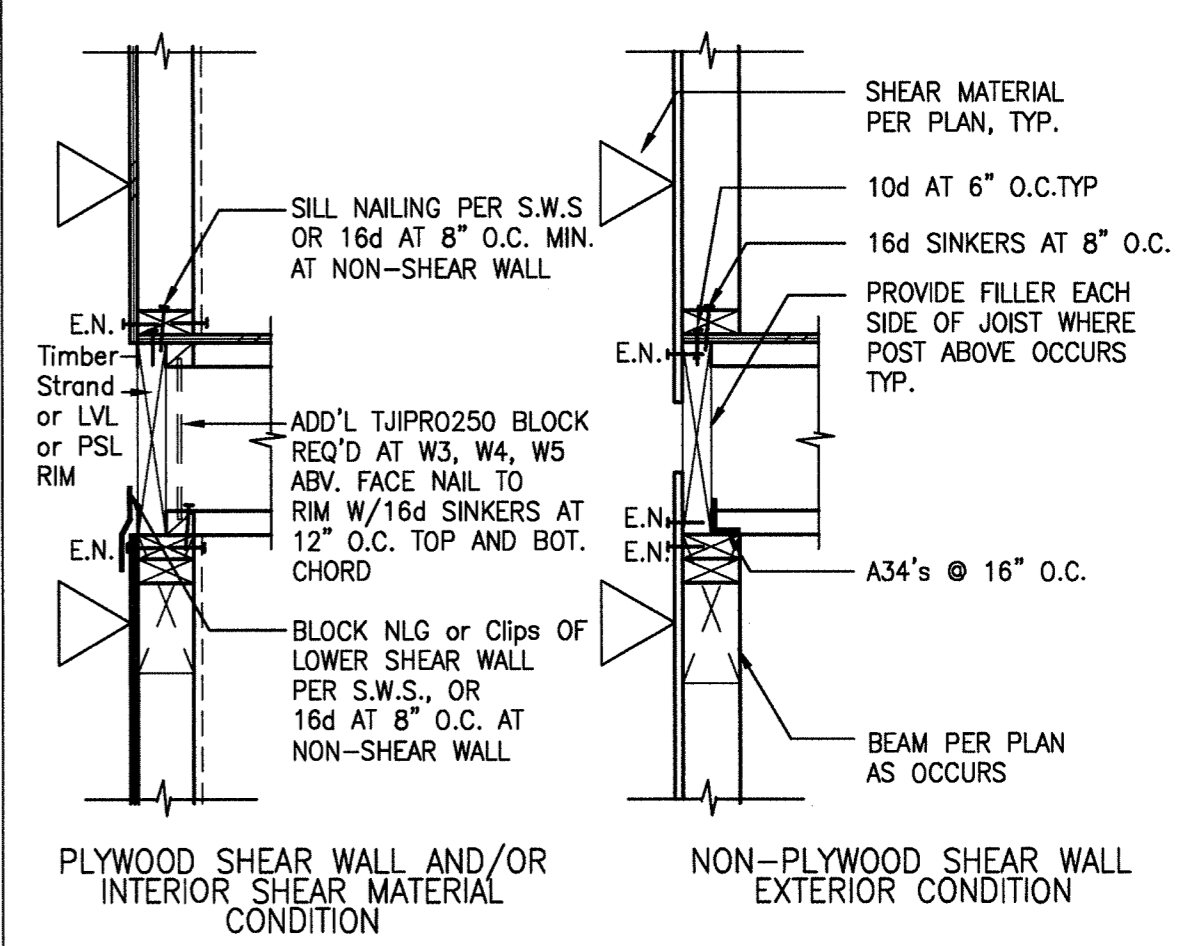
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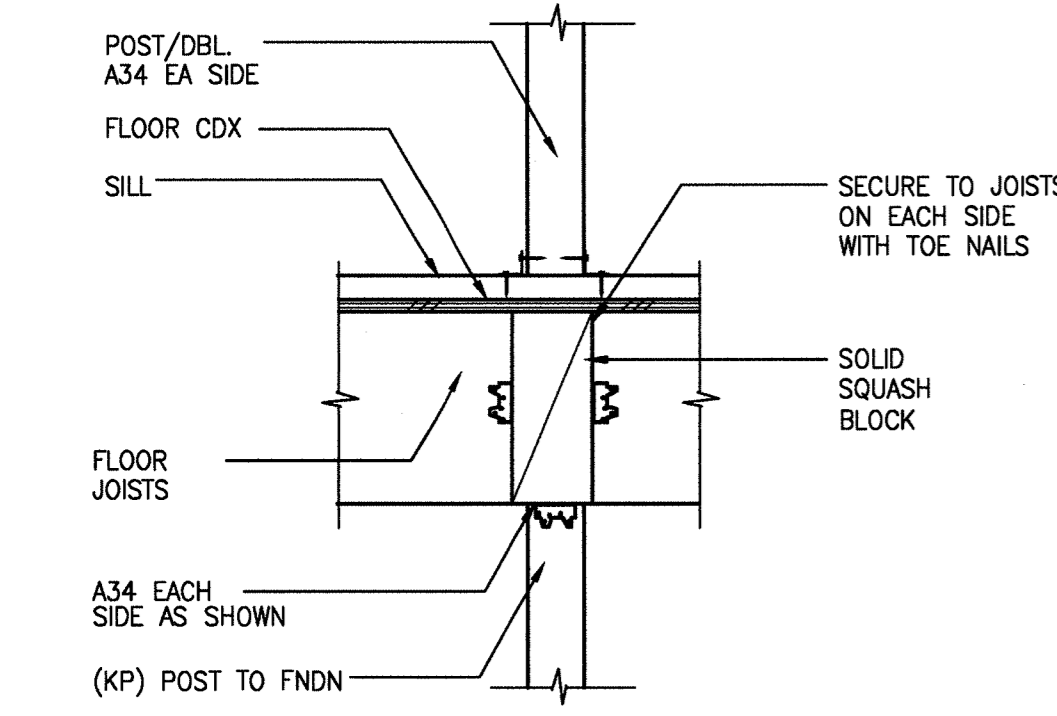
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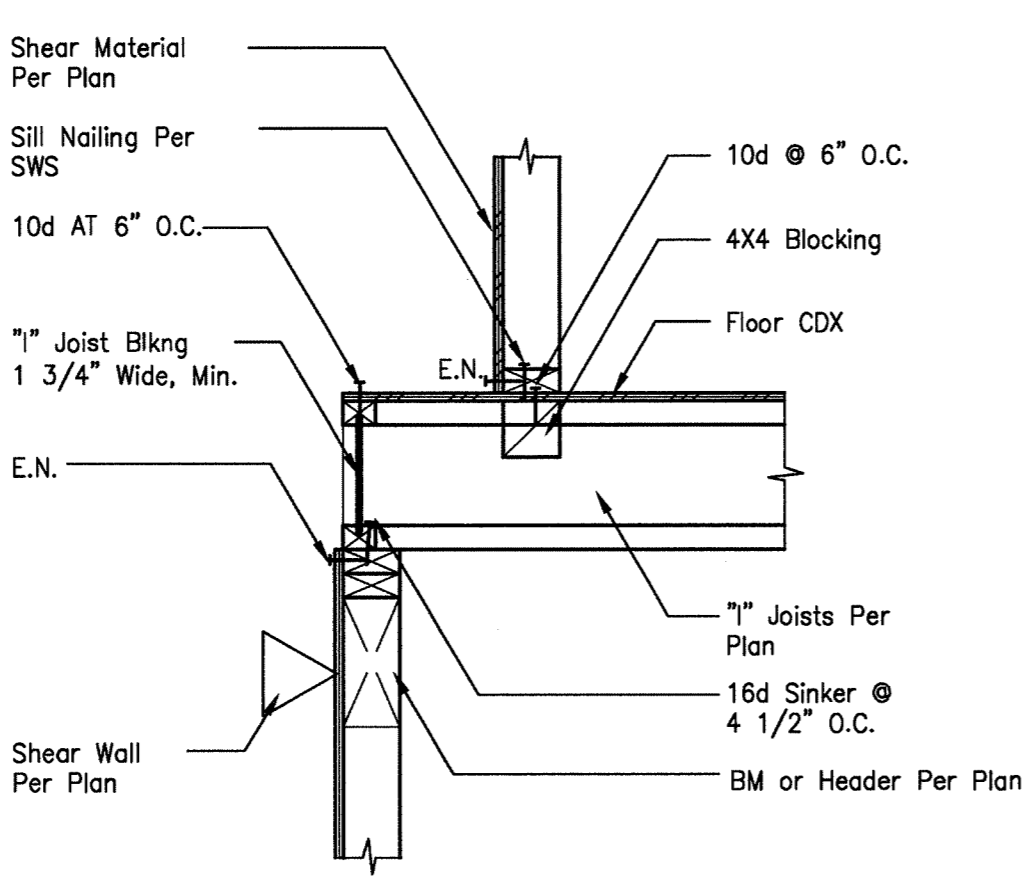
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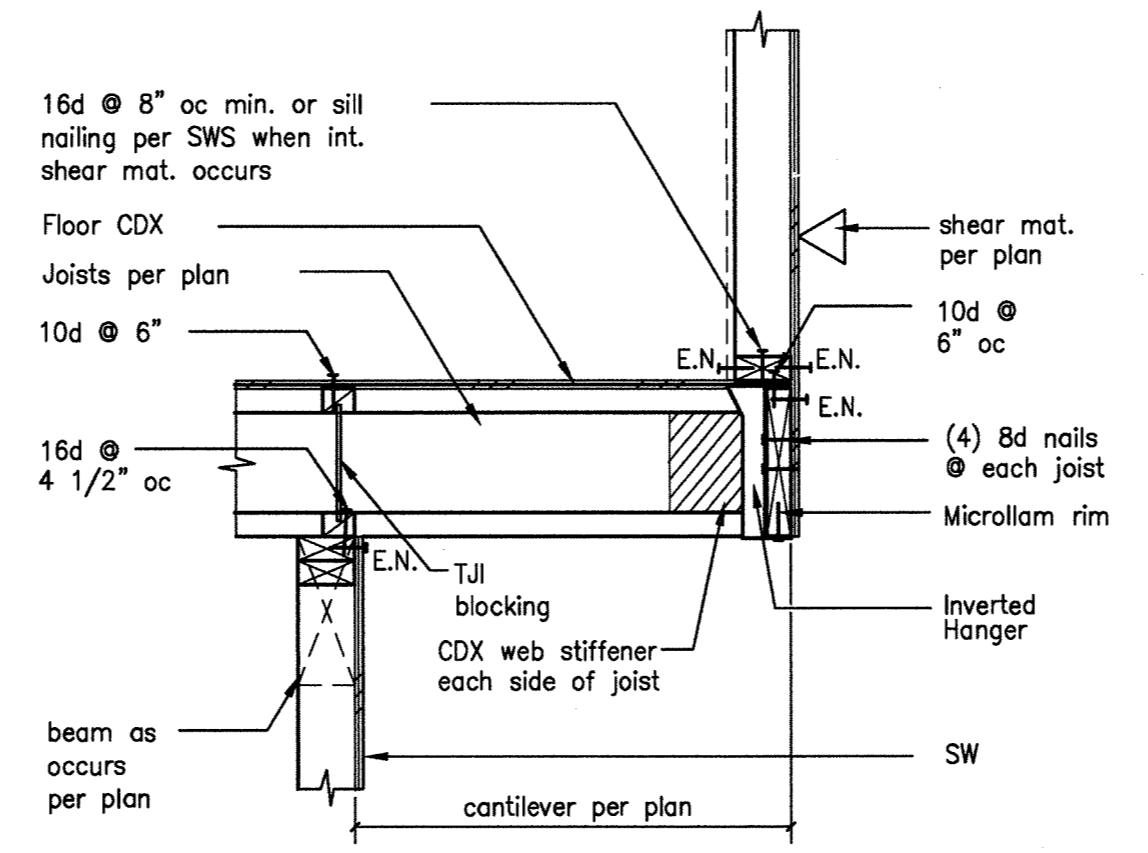
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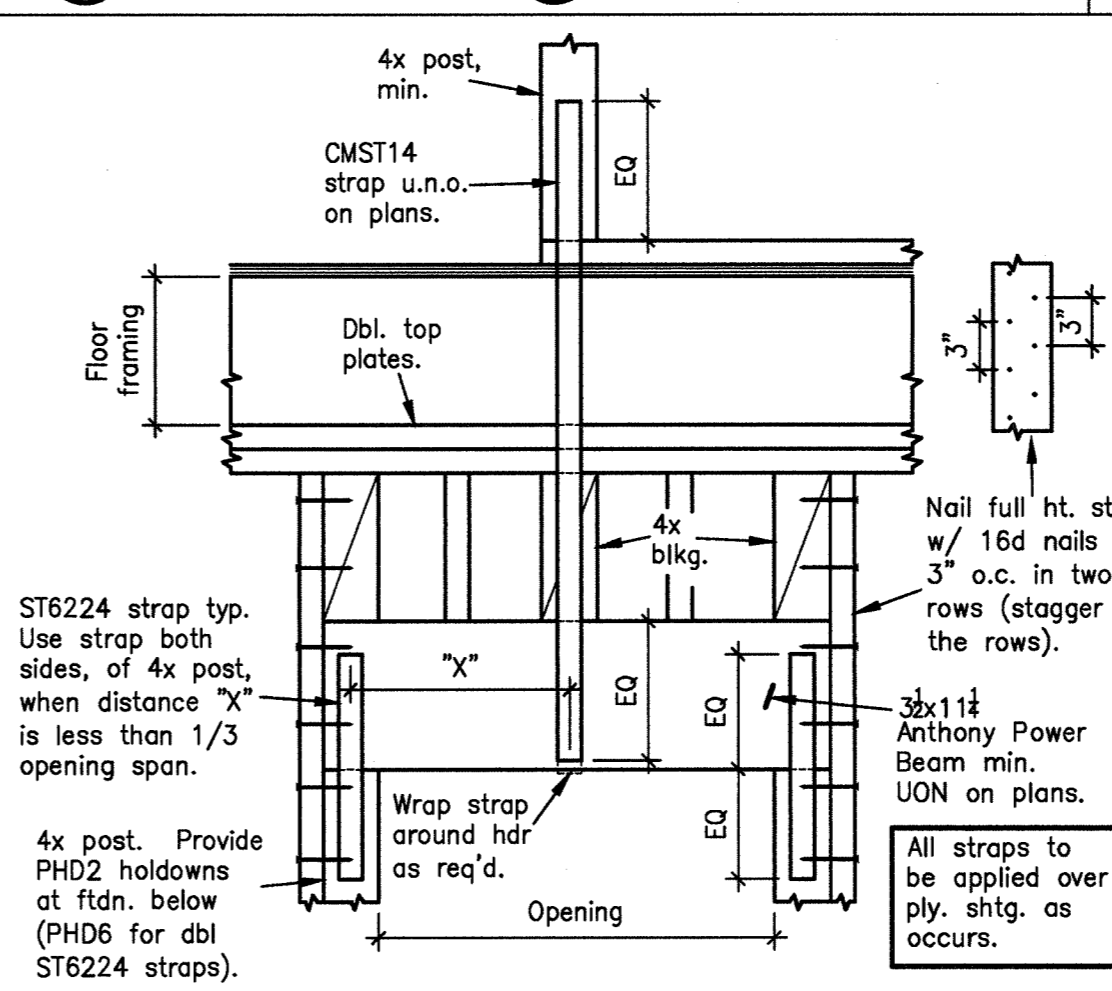
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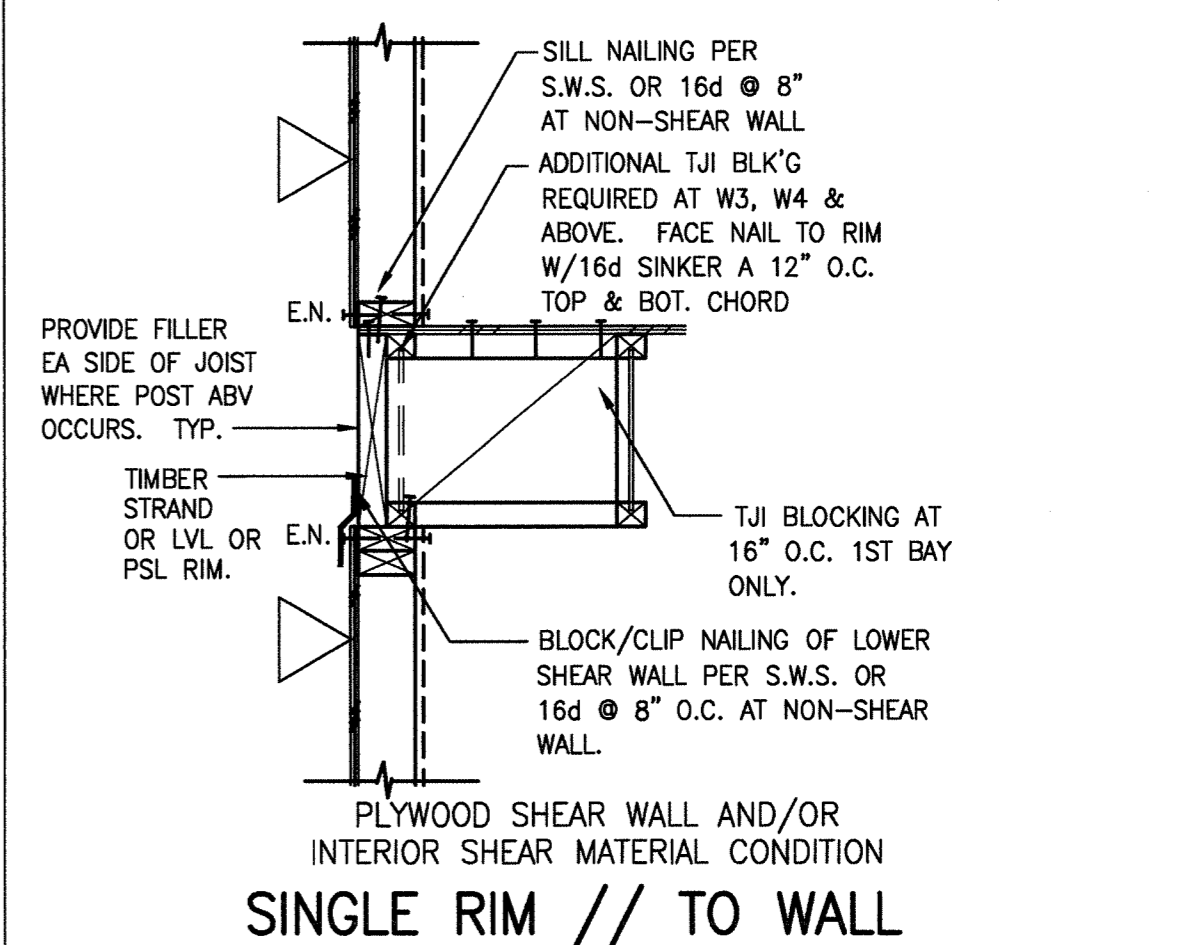
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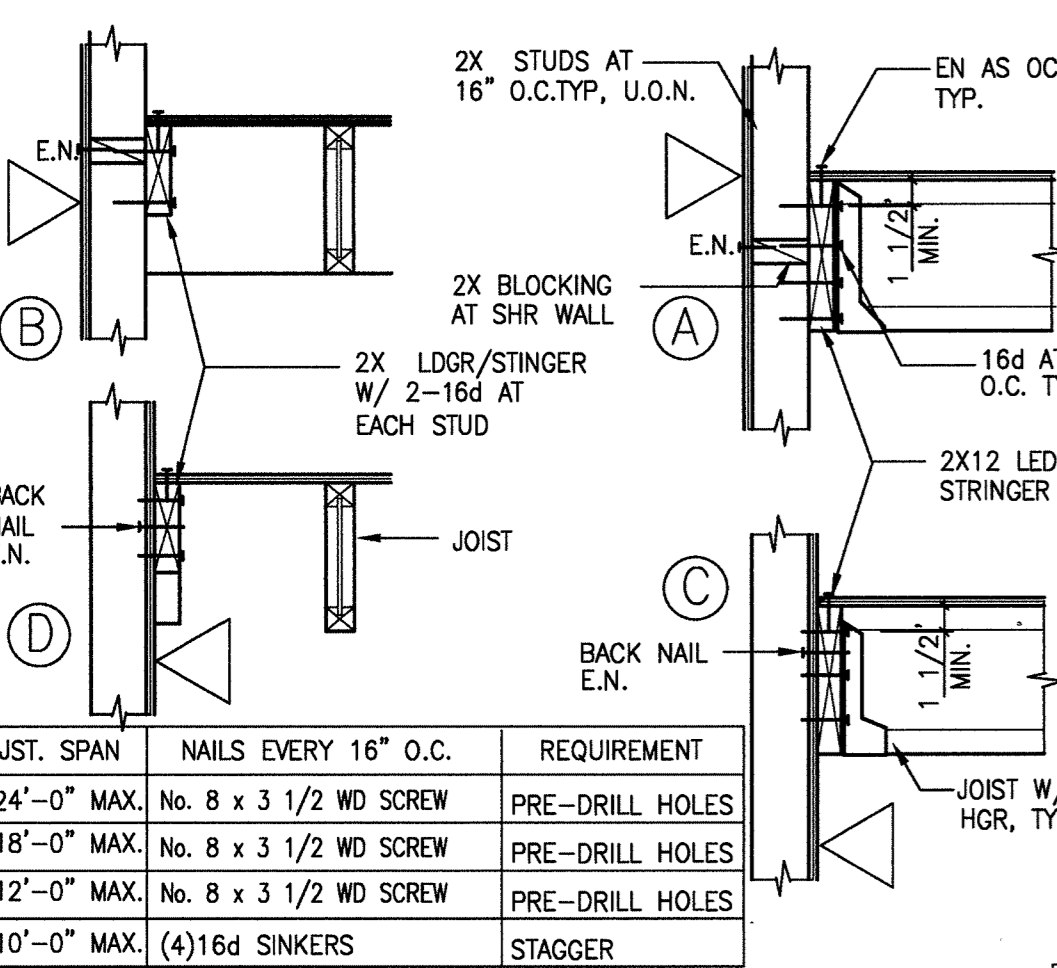
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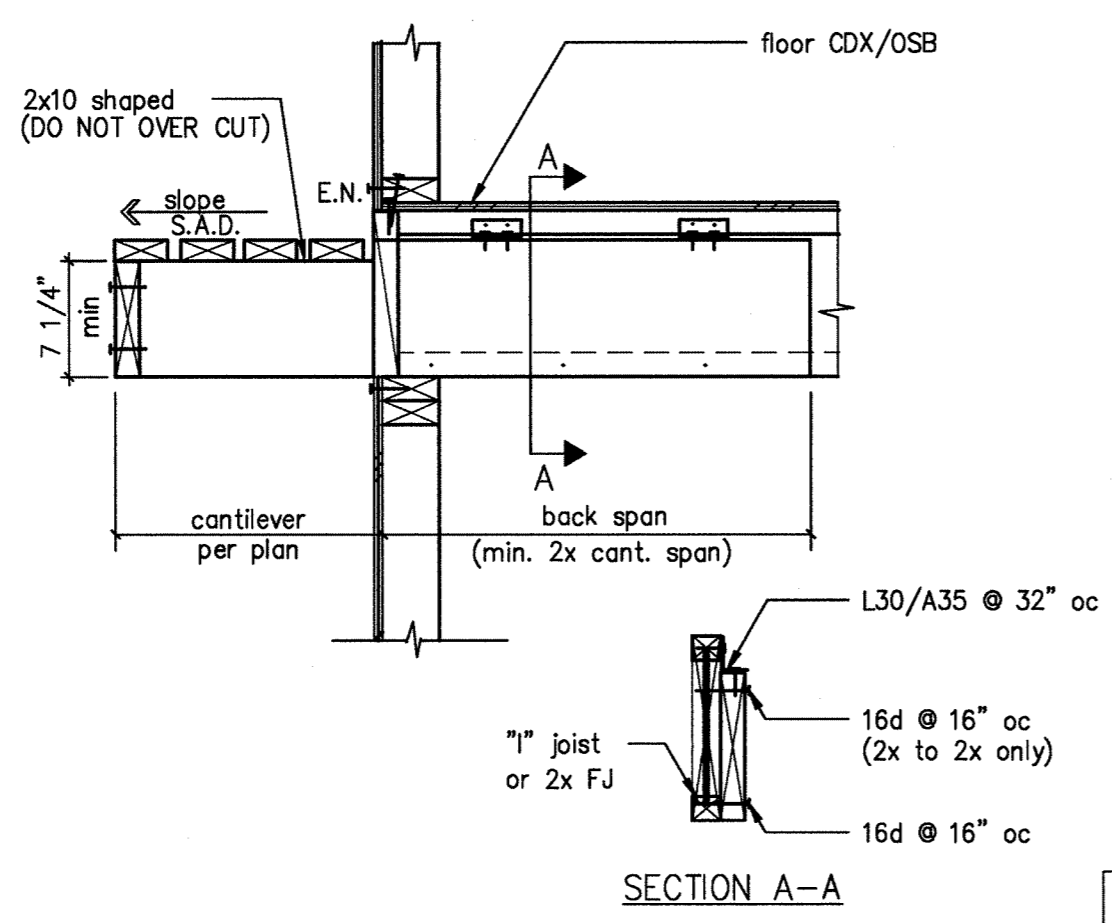
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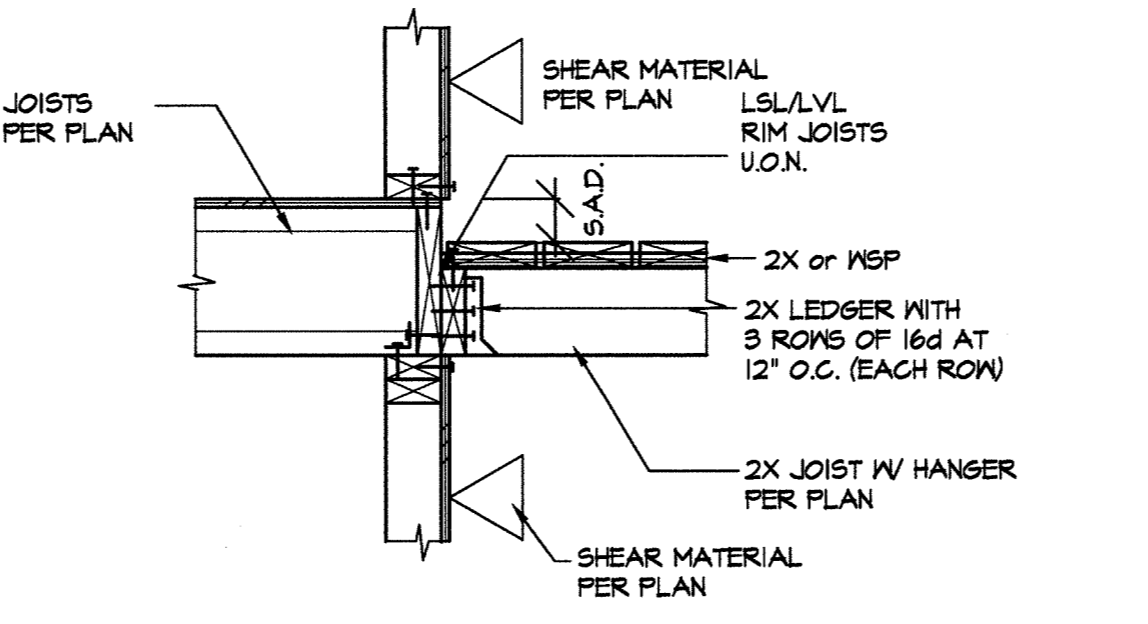
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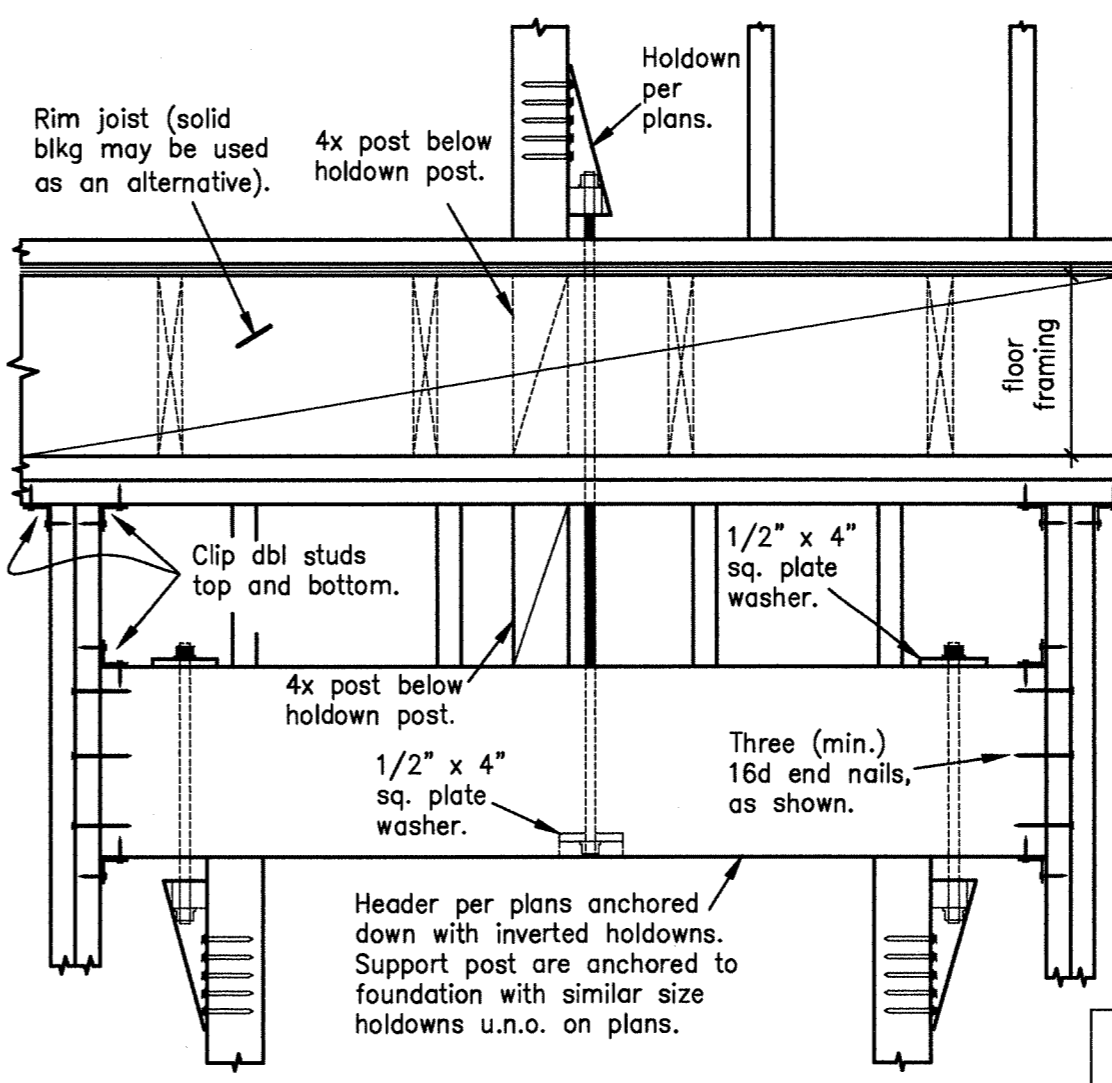
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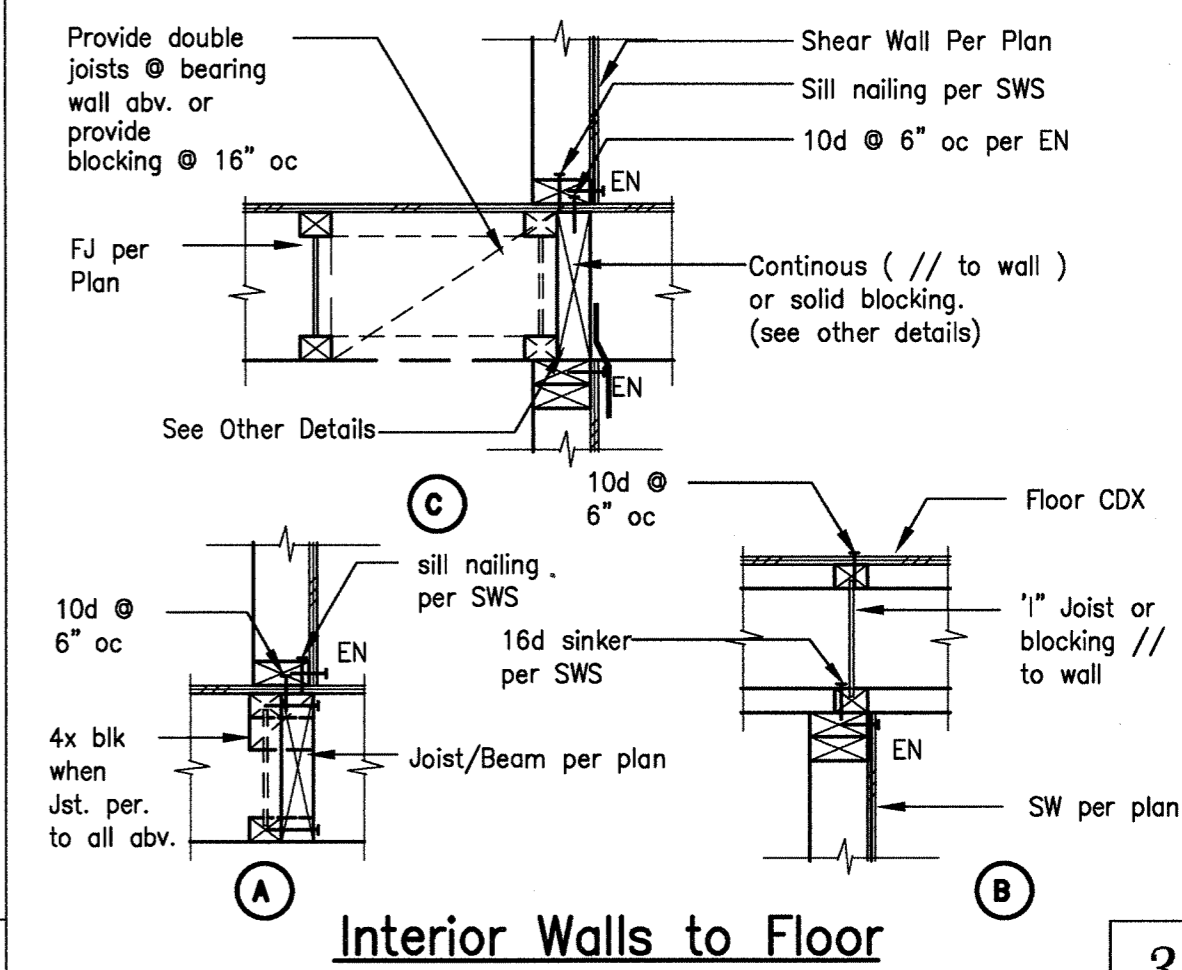
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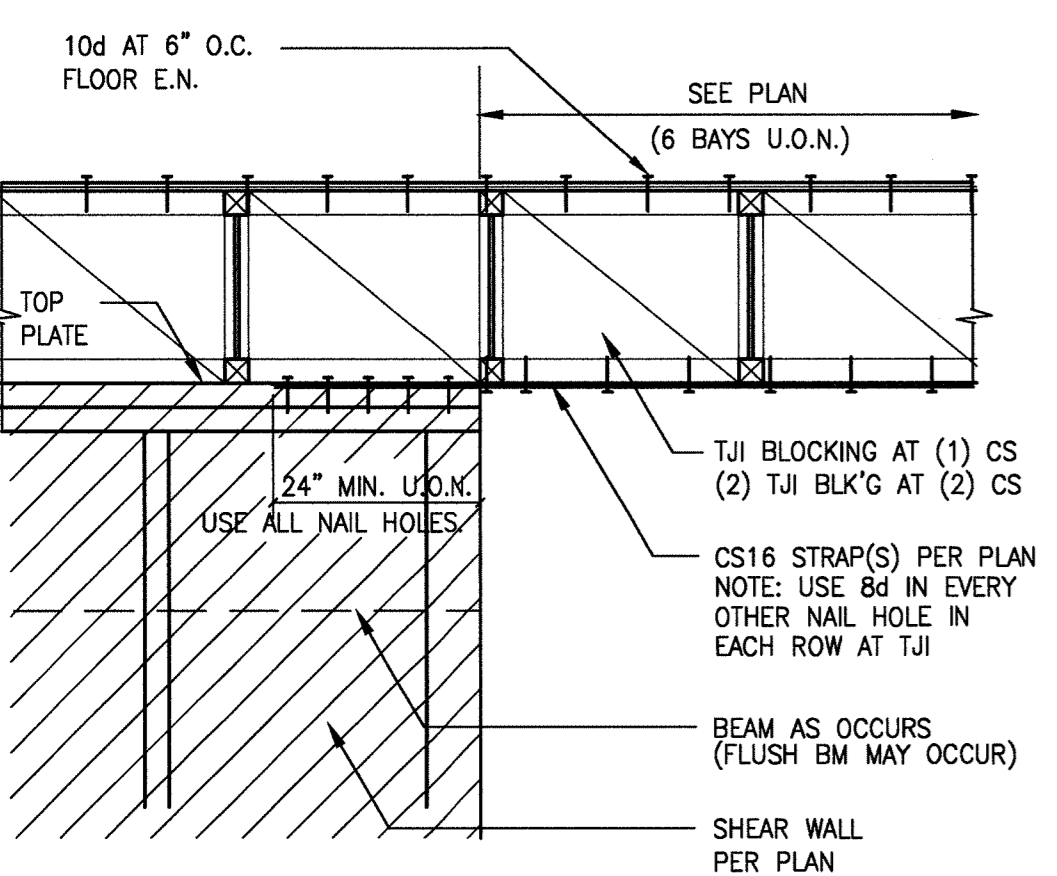
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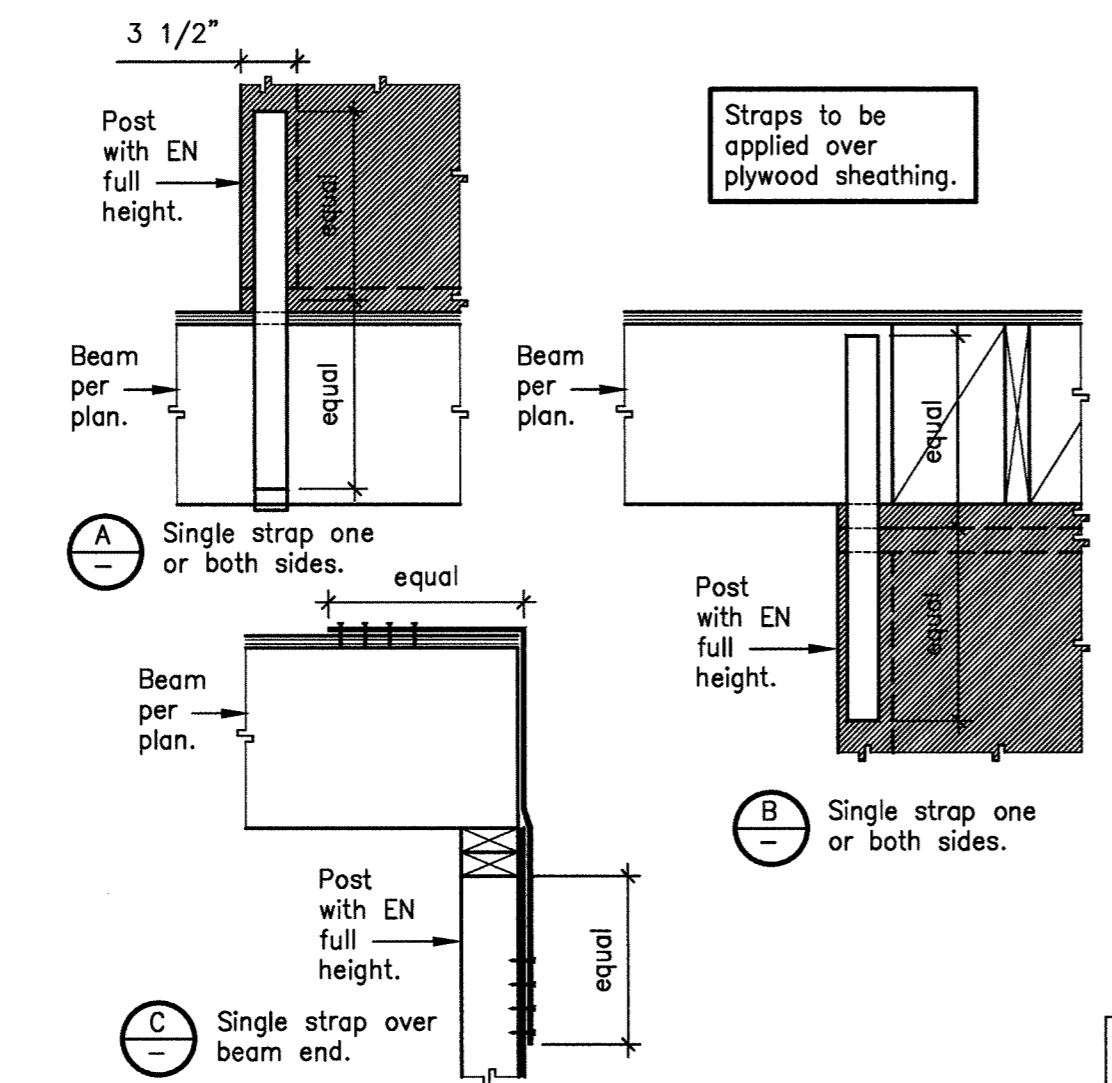
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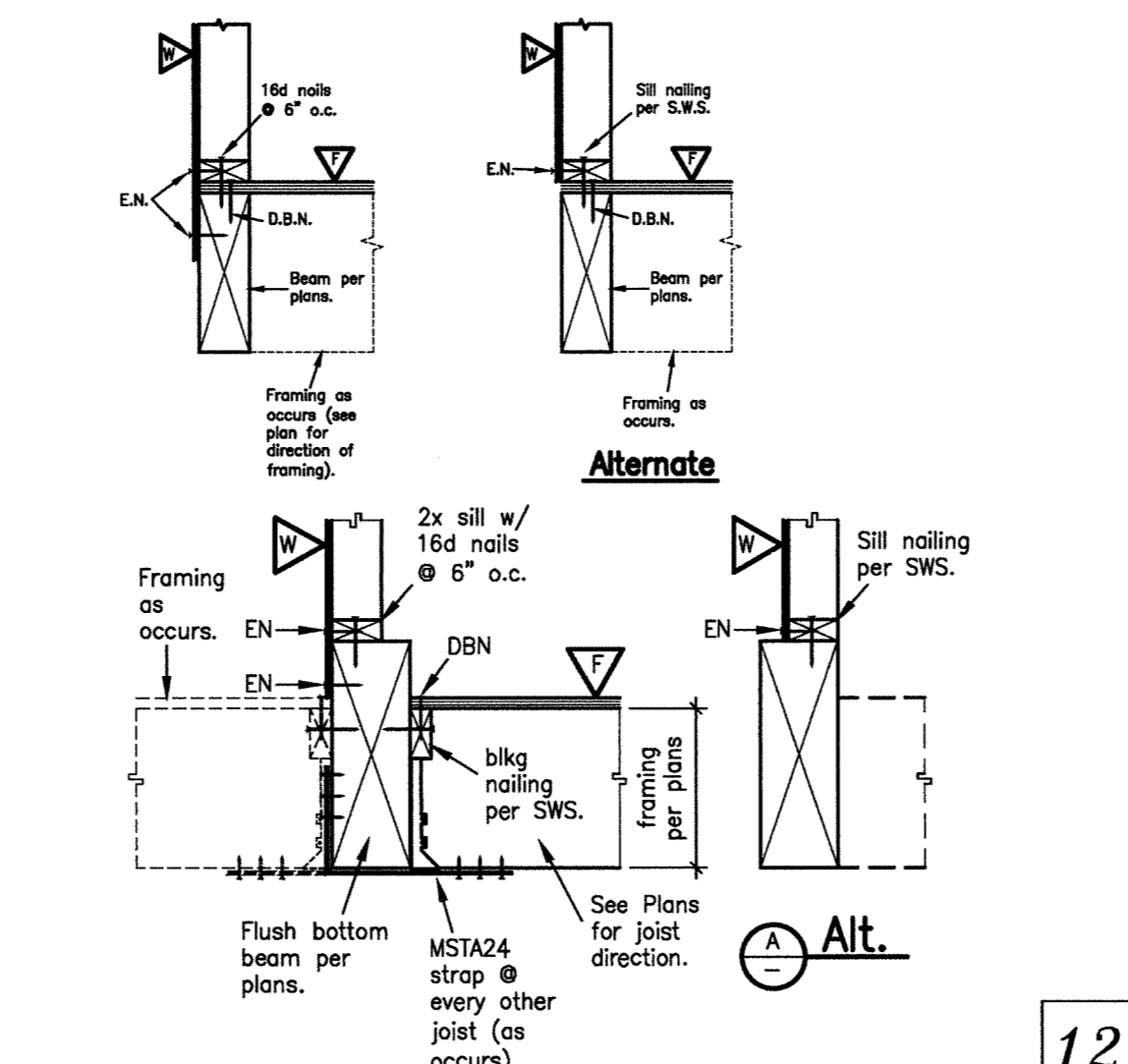
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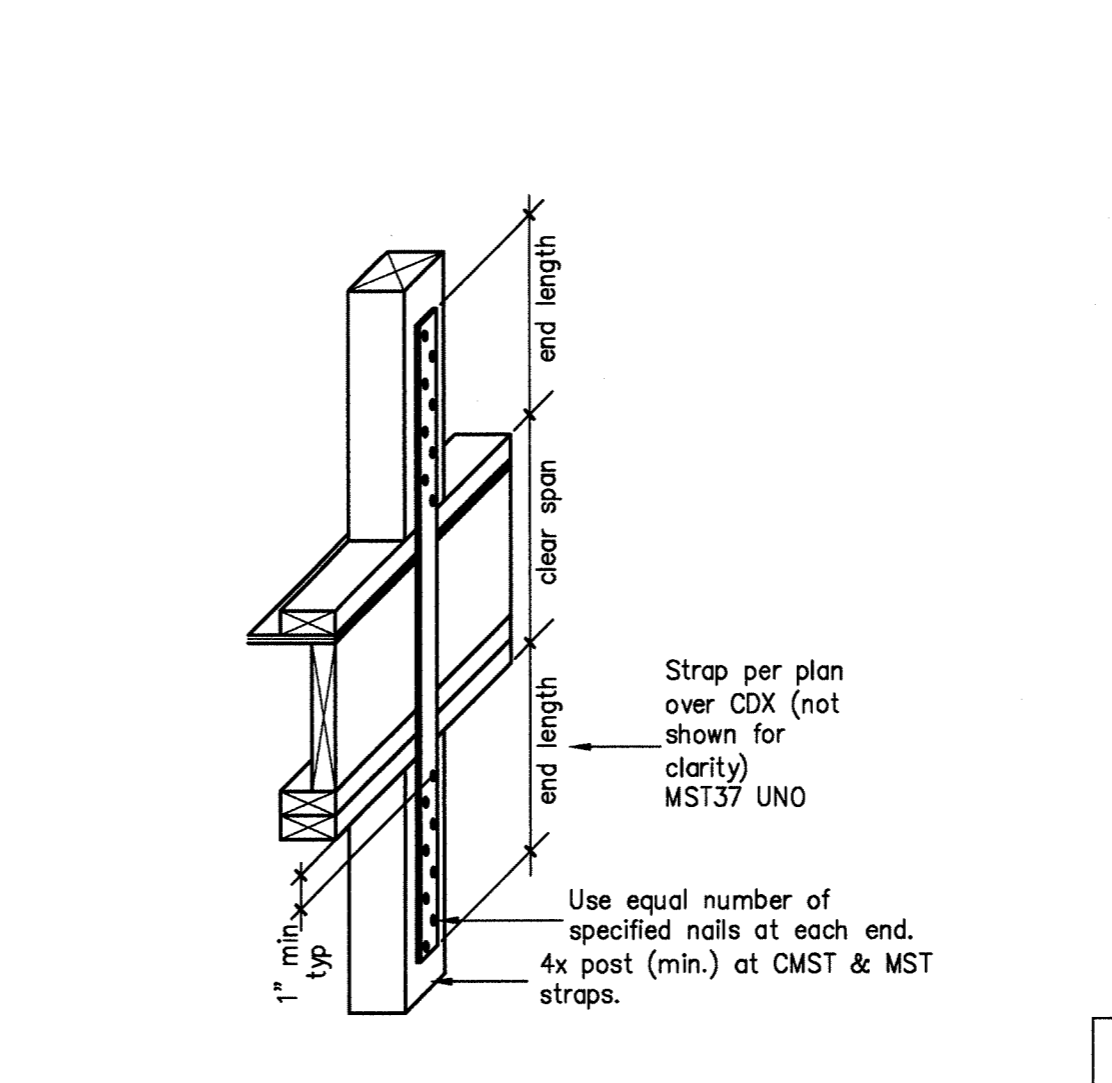
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16



12



8

January 24, 2014  
NEW DUPLEX

Engineer:  
Hometeo Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 995-0496

Date: January 24, 2014

No.	Date	Description
1		
2		
3		
4		
5		

Project Number: APEX: 4887-13

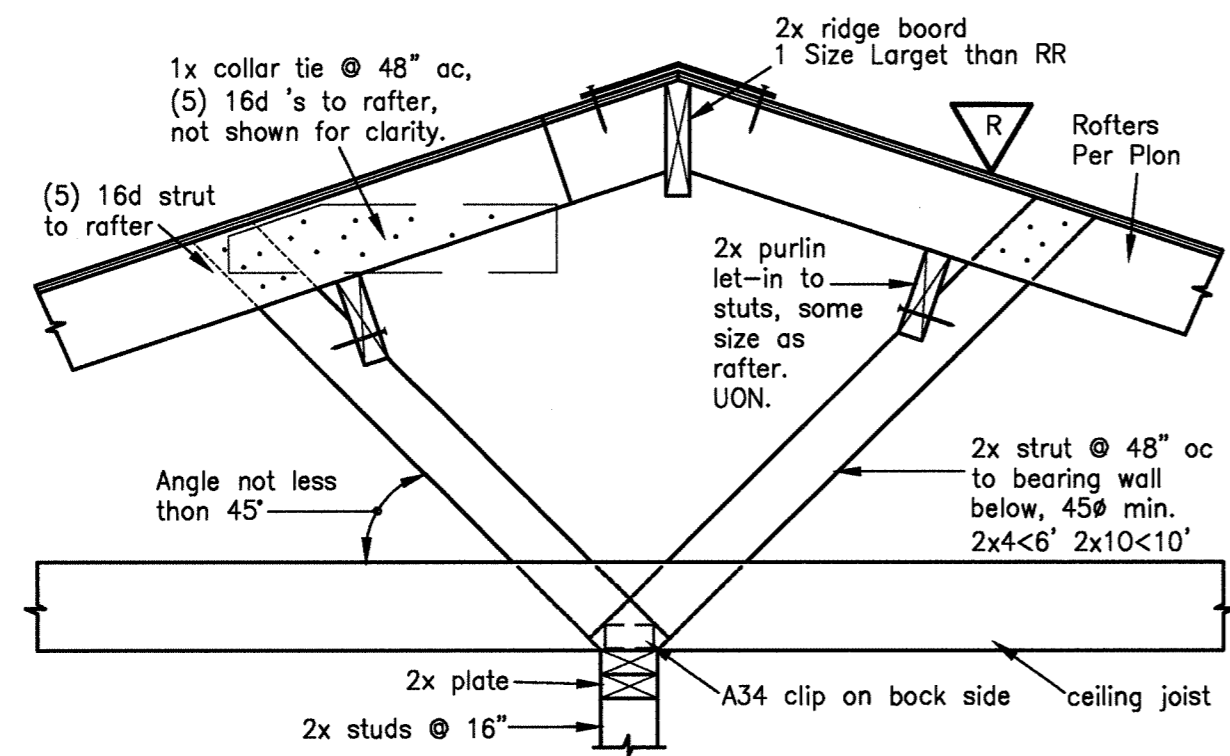
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Sheet Title: Details

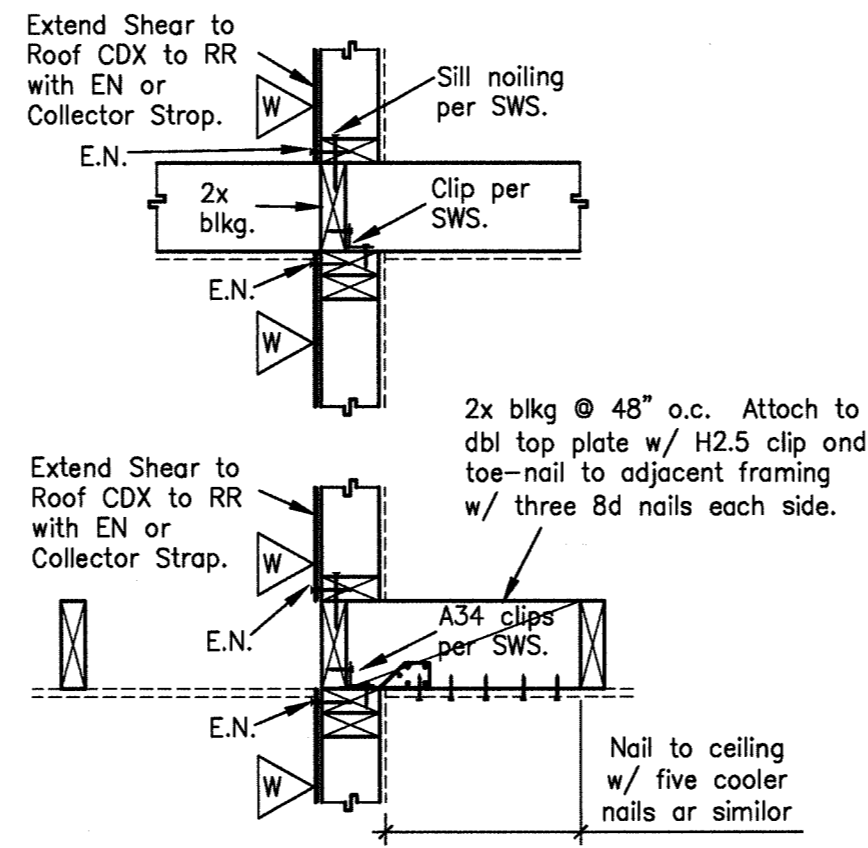
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COUNTY OF SANTA CLARA  
BUILDING INSPECTION OFFICE  
PLANS APPROVED FOR PERMIT  
SHEET NO. 14 OF 19 SHEETS  
BY: [Signature] DATE: 6/5/14  
PLANS MUST BE ON JOB FOR INSPECTIONS

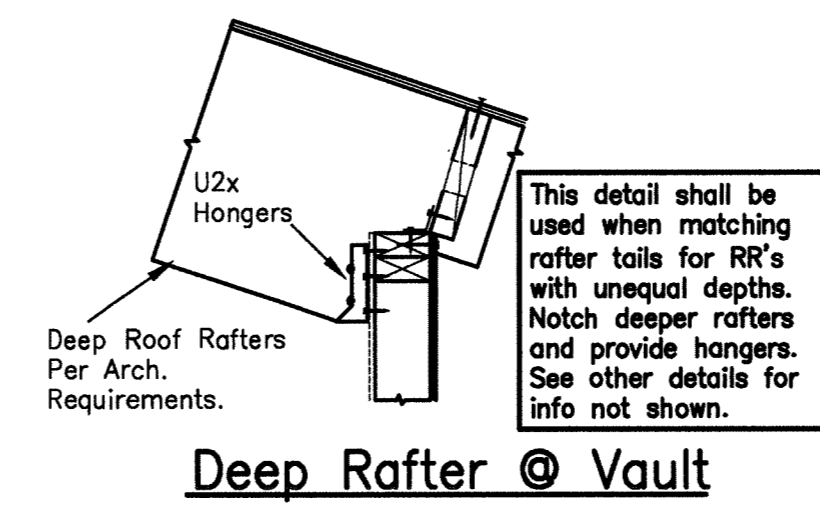




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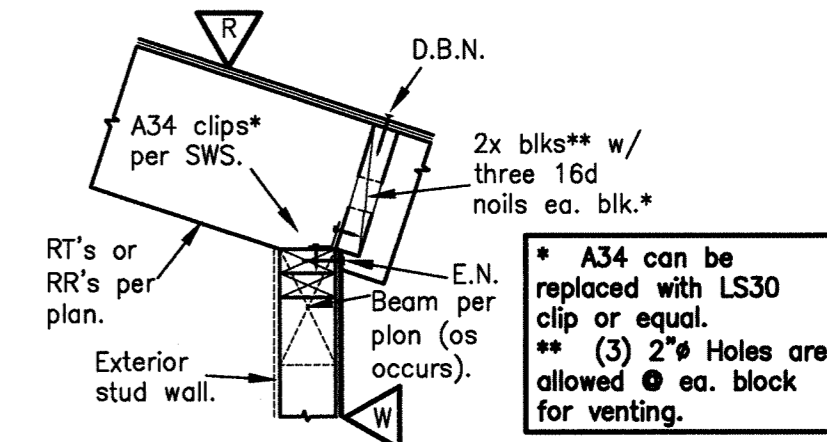


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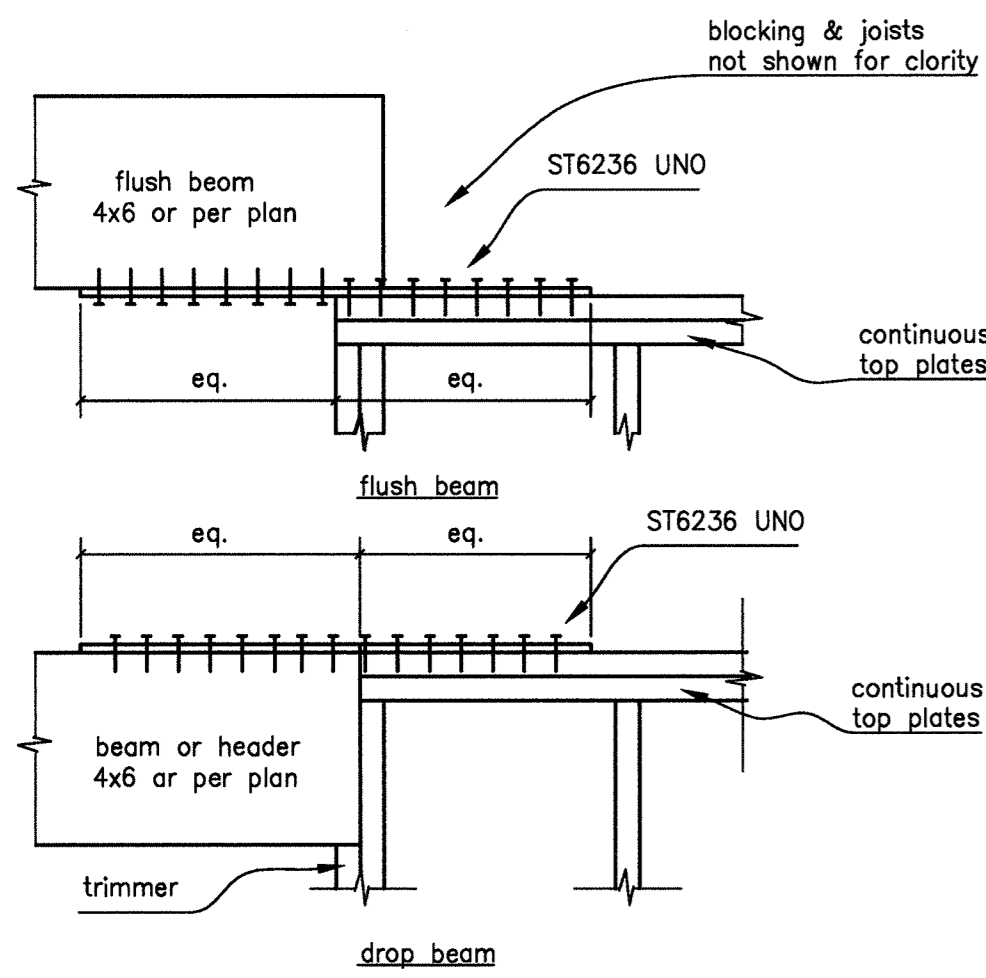
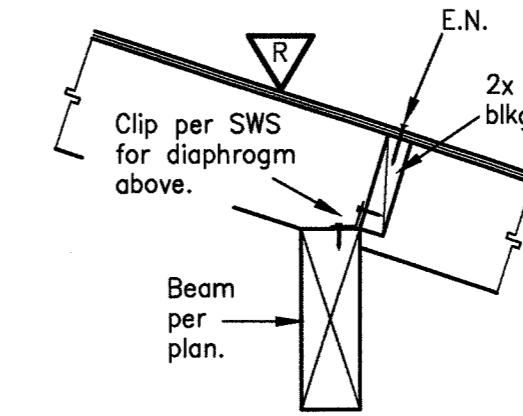


Stick roof eave shear transfer

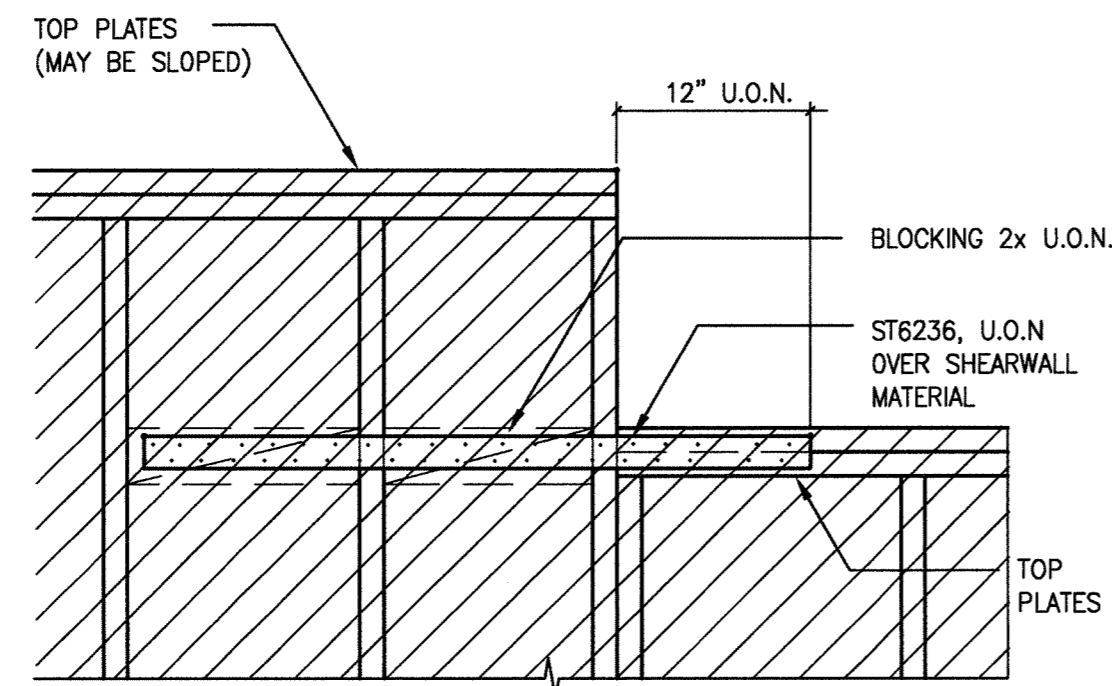
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Exterior Shearwall

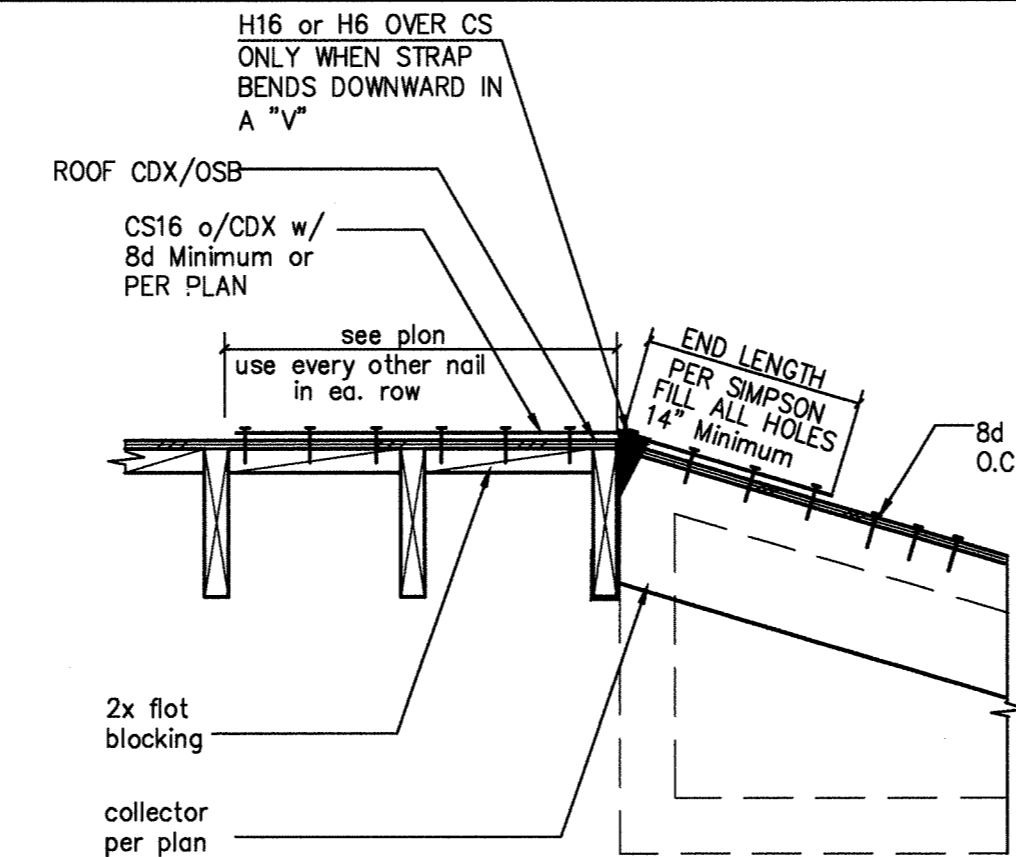


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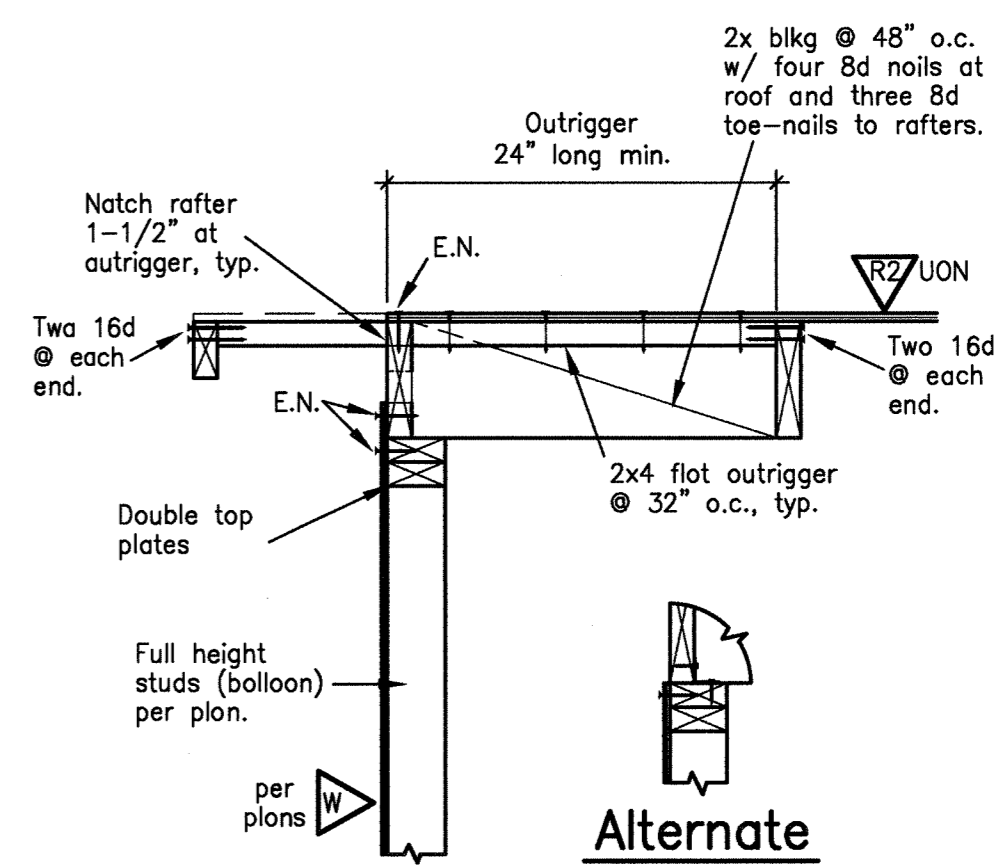


STRAP AT TOP PLATES BREAK

14

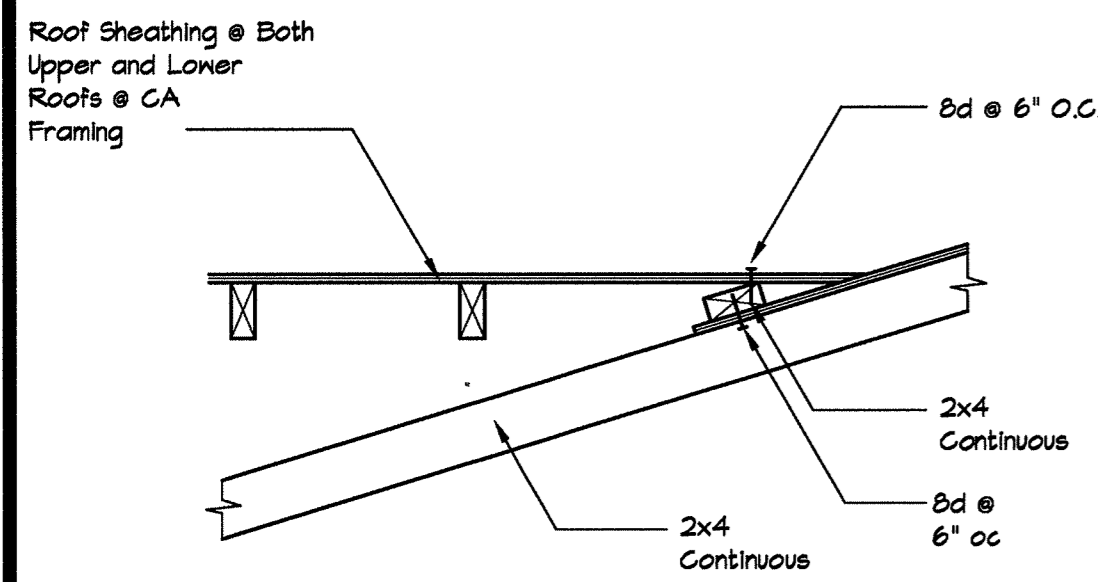


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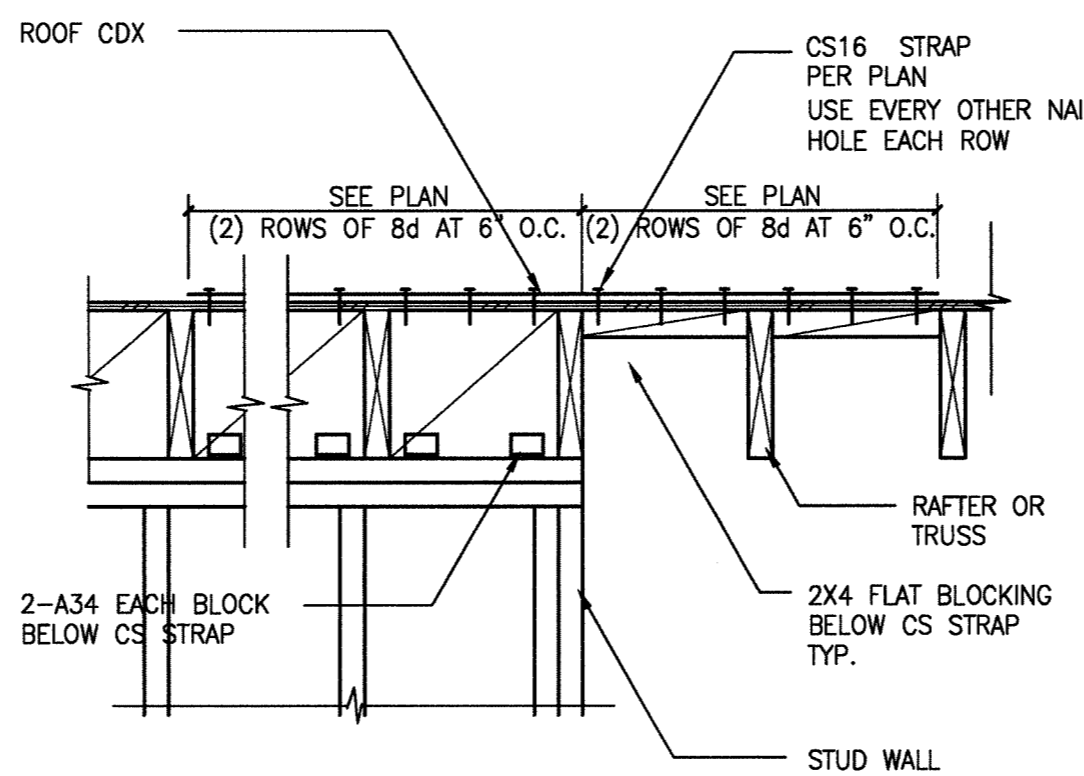
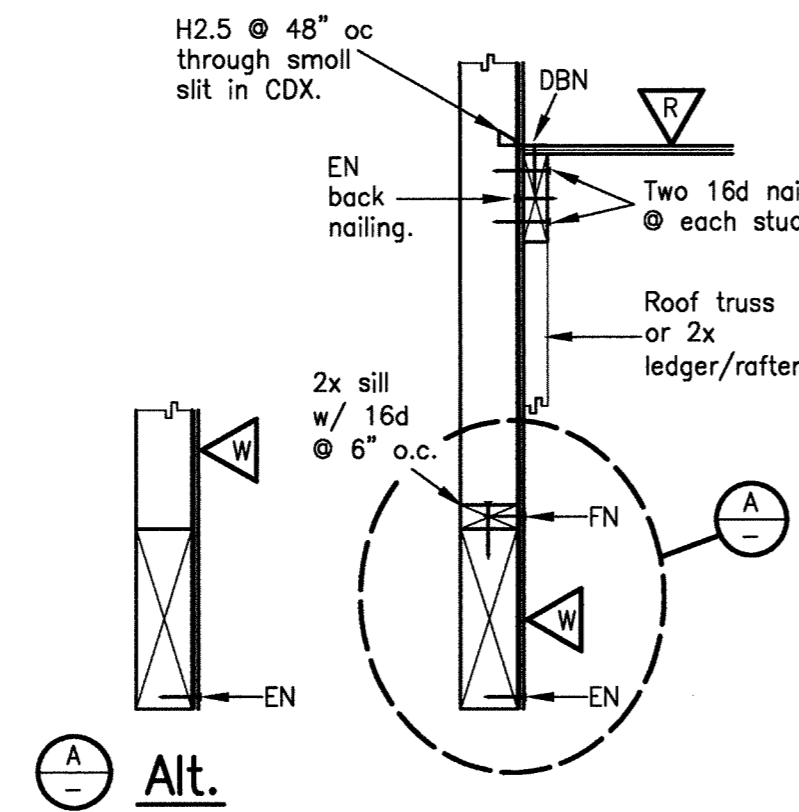


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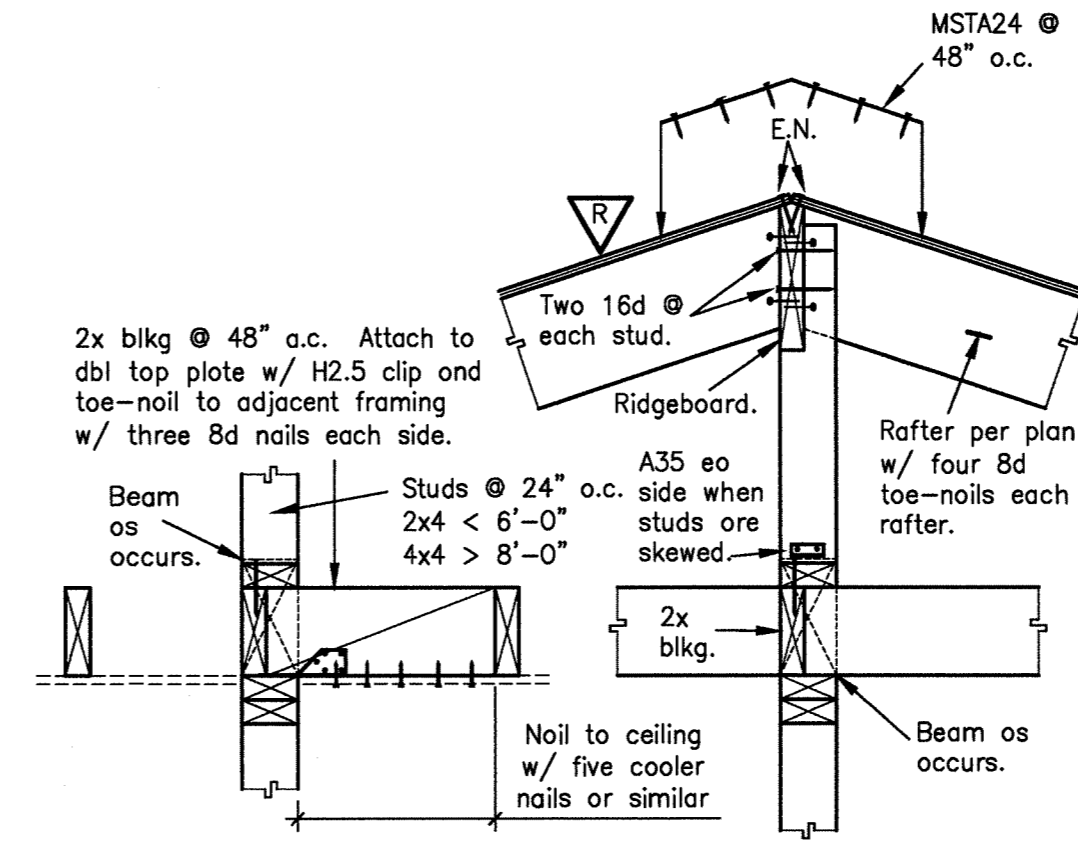
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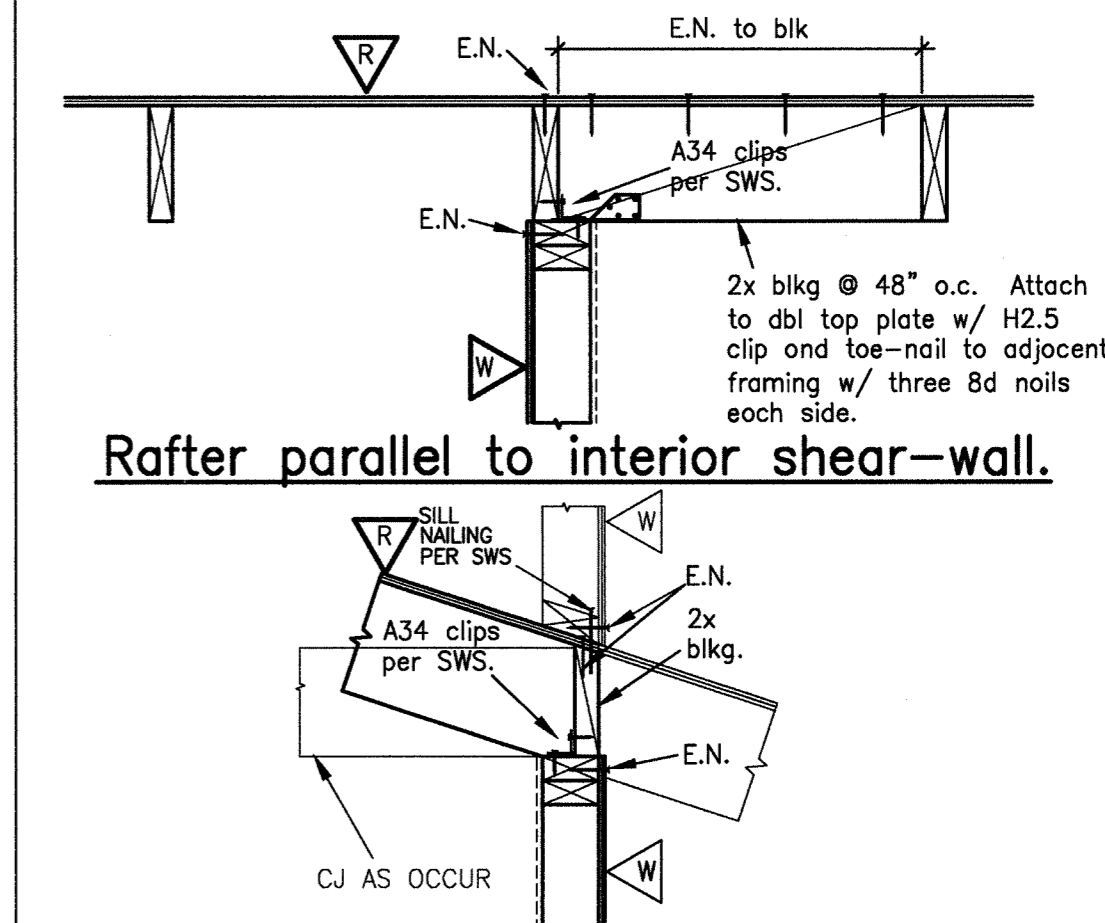
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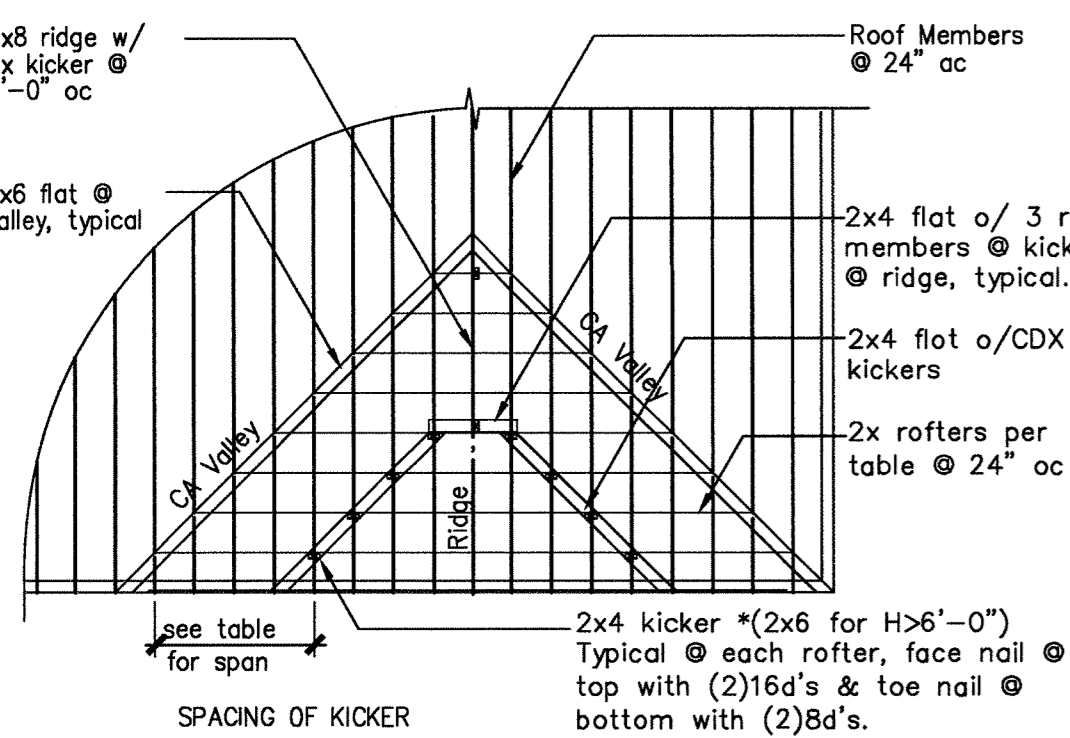
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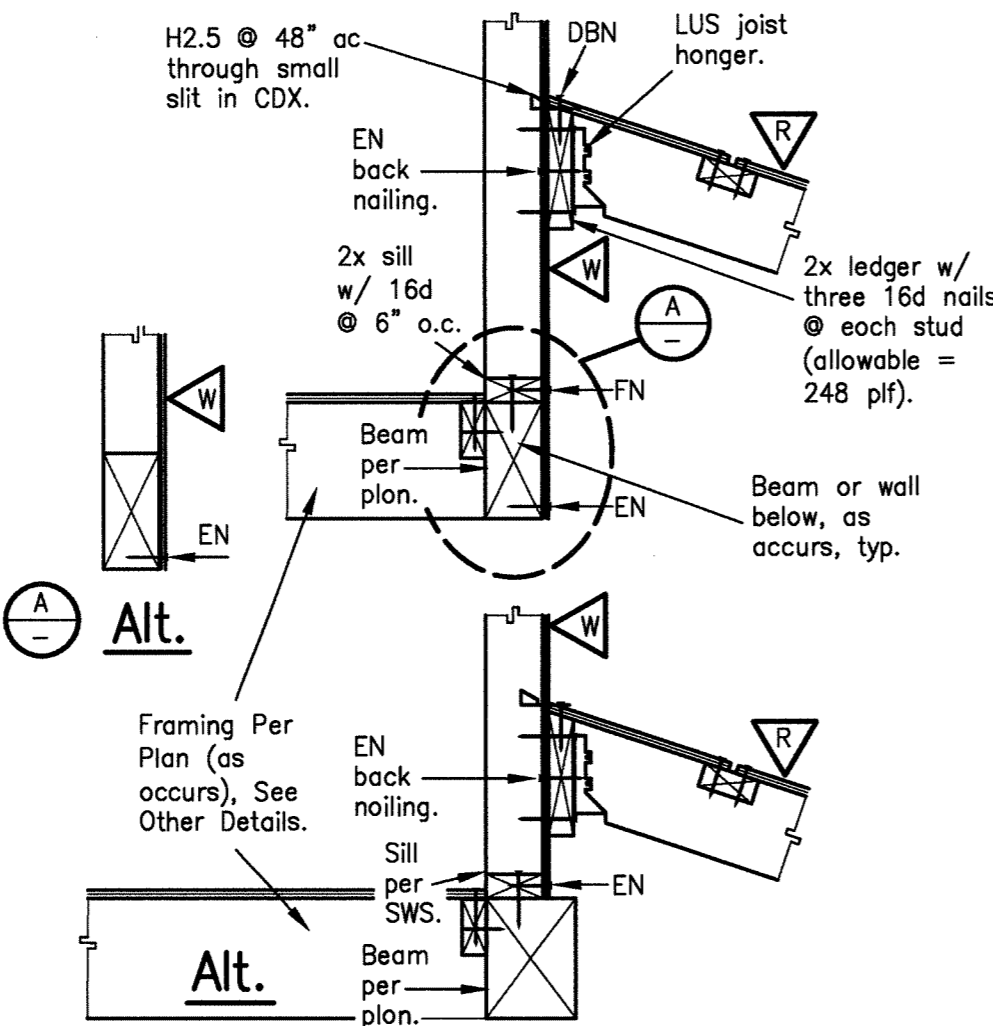
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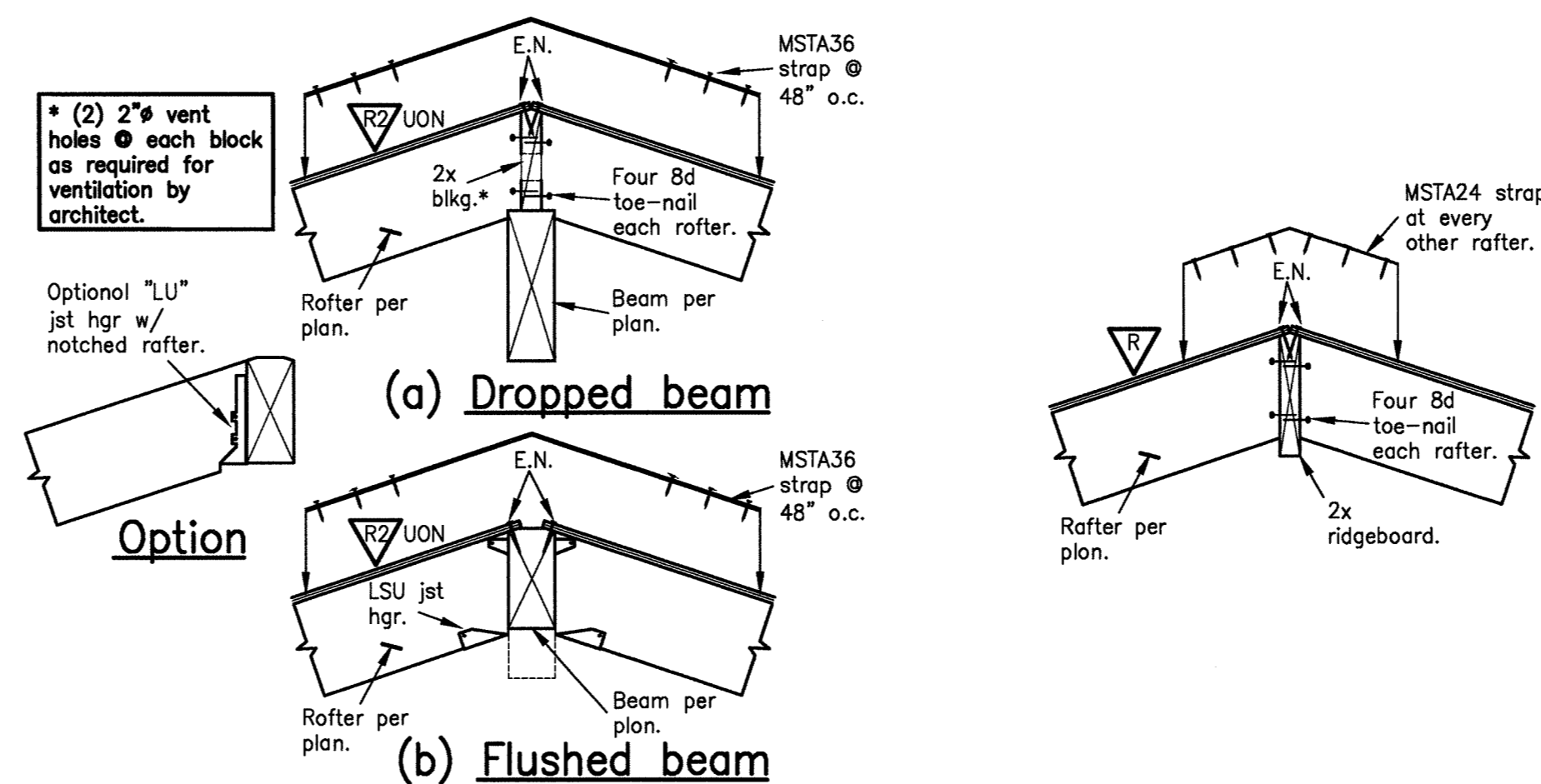
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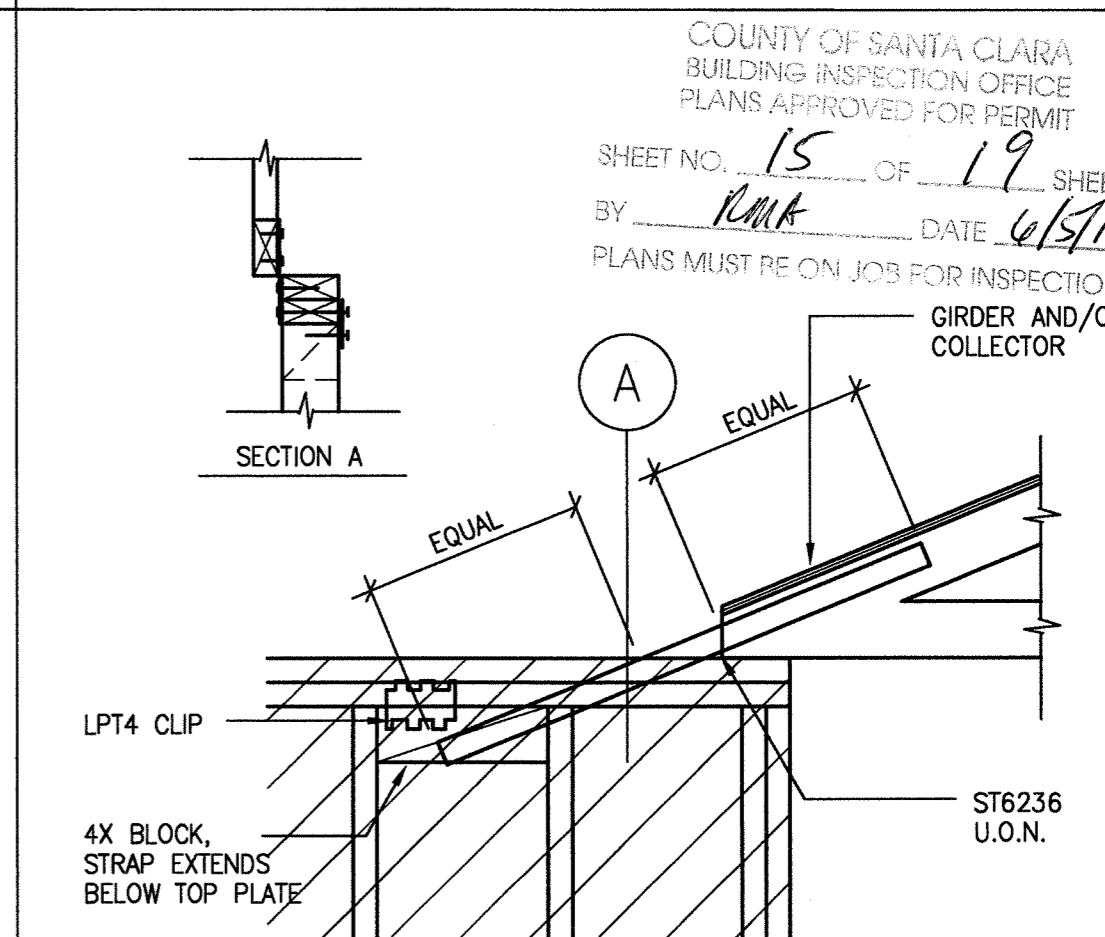
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16

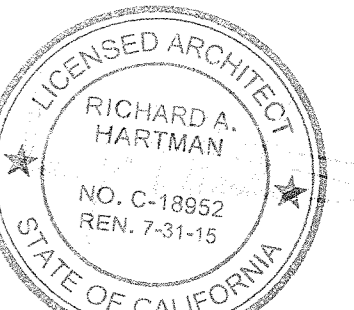


8



4

January 24, 2014  
NEW DUPLEX



MAY 16 2014

Engineer:  
Hometec Architecture  
619 N 1st Street  
San Jose, CA 95112  
(408) 995-0496

Date: January 24, 2014

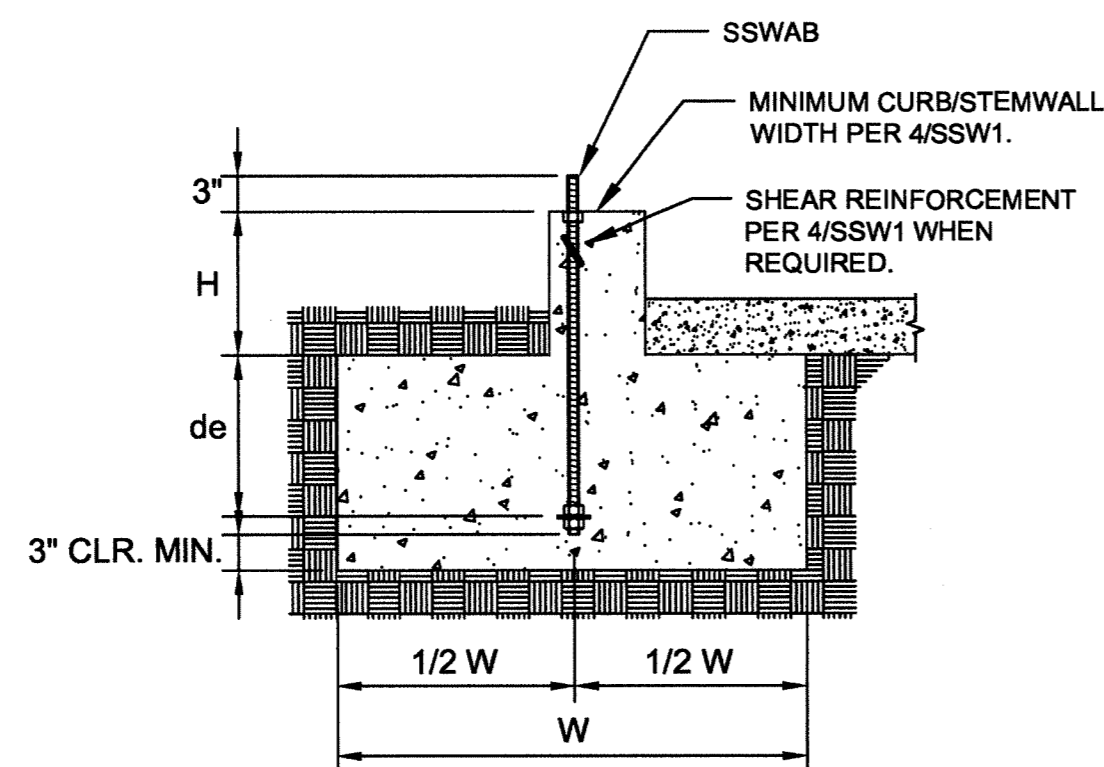
Revisions	No.	Date	Description
	1		
	2		
	3		
	4		
	5		

Project Number:  
APEX: 4887-13

Drawn By: PC Checked By: TY

Sheet Title:  
Details

Sheet Number:  
S3



**CURB OR STEMWALL FOUNDATION**

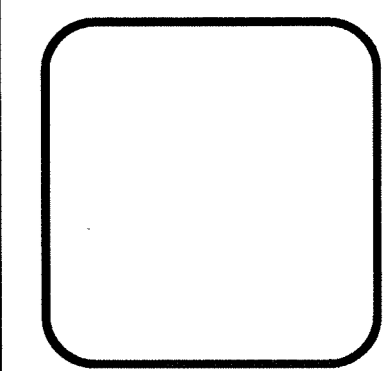
**APEX Engineering** • Engineers@TheStructurals.com  
 482 West Hamilton Avenue • 339 • Campbell • CA • 95008-4843  
 Telephone: 408.378.2088 • Facsimile: 408.378.4602

REVISE AND RESUBMIT     REVIEWED  
 REVIEWED AS NOTED     OTHER

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. The check is only for review of general compliance with the information given in the contract documents. The contractor is responsible for confirming and correcting all quantities and dimensions, selecting fabrication processes and techniques of construction coordinating his work with that of all other trades and performing his work in a safe and satisfactory manner.

DATE: February 27, 2010  
 Thomas J. Yates, BOR

NO.	DATE	REVISIONS
1	9/21/2009	2006 IBC REVISIONS



**SIMPSON STRONG-TIE COMPANY, INC.**  
 HOME OFFICE: 5956 W. LAS POSITAS BLVD. PLEASANTON, CA 94588  
 TEL: (800) 999-5099

THIS IS NO EQUAL

**STEEL STRONG-WALL ANCHORAGE DETAILS ENGINEERED DESIGNS**

**STEEL STRONG-WALL ANCHORAGE DETAILS ENGINEERED DESIGNS**

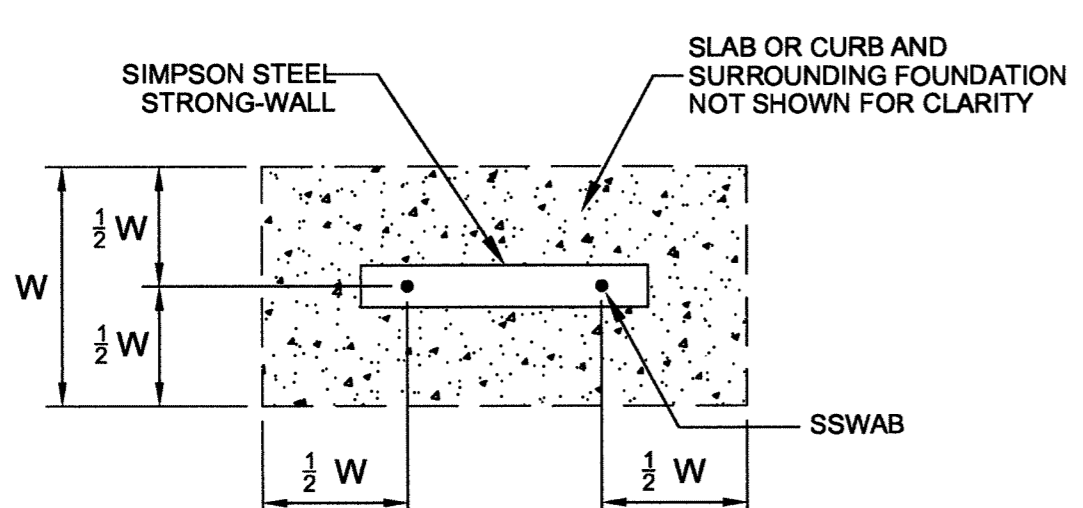
**SSW1**

OF SHEETS

JOB NO.

- NOTES:
- SEE 2/SSW1 AND 3/SSW1 FOR DIMENSIONS AND ADDITIONAL NOTES.
  - SEE 4/SSW1 FOR SHEAR REINFORCEMENT WHEN REQUIRED.
  - MAXIMUM H = l<sub>e</sub> - d<sub>e</sub>. SEE 5/SSW1 AND 6/SSW1 FOR l<sub>e</sub>.

**STEEL STRONG-WALL ANCHORAGE - TYPICAL SECTIONS**

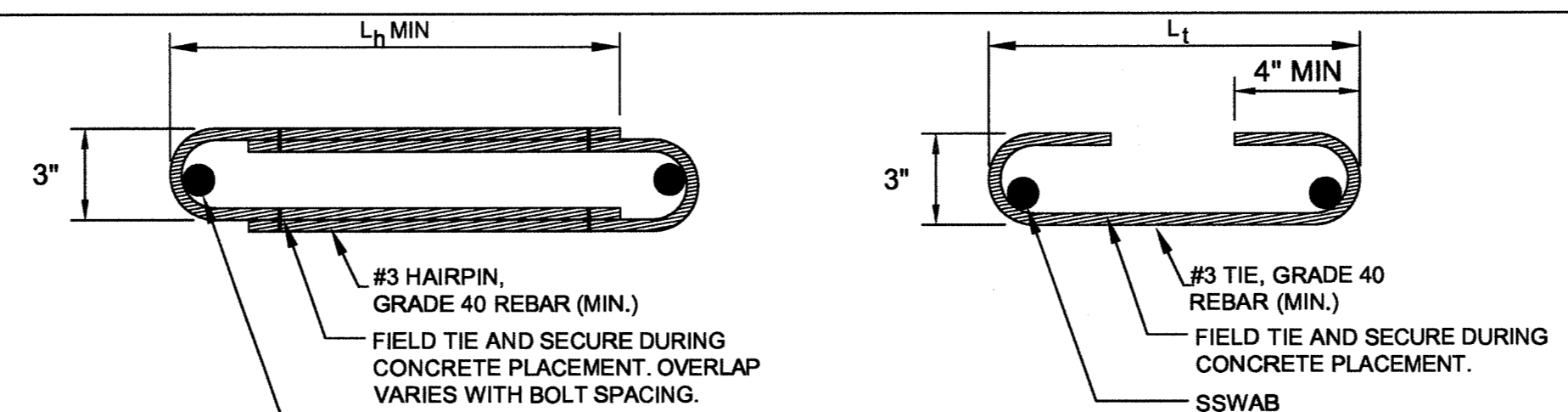


SEE TABLES BELOW FOR DIMENSIONS  
**FOUNDATION PLAN VIEW**

STEEL STRONG-WALL ANCHORAGE SOLUTIONS FOR 2500 PSI CONCRETE								
DESIGN CRITERIA	CONDITION	ANCHOR STRENGTH	SSWAB 3/4" ANCHOR BOLT			SSWAB 1" ANCHOR BOLT		
			ASD ALLOWABLE UPLIFT (lbs)	W (in)	d <sub>e</sub> (in)	ASD ALLOWABLE UPLIFT (lbs)	W (in)	d <sub>e</sub> (in)
SEISMIC	CRACKED	STANDARD	9,600	25	9	17,100	36	12
		HIGH STRENGTH	19,900	39	13	35,300	56	19
	UNCRAKED	STANDARD	9,600	21	7	17,100	32	11
		HIGH STRENGTH	19,900	34	12	35,300	49	17
WIND	CRACKED	STANDARD	4,500	12	6	5,600	14	6
		HIGH STRENGTH	6,900	16	6	12,700	24	8
			9,600	20	7	17,100	30	10
			11,100	22	8	22,400	35	12
			13,500	25	9	26,800	39	13
			16,000	28	10	31,600	43	15
	19,900	33	11	35,300	47	16		
	UNCRAKED	STANDARD	5,600	12	6	5,600	12	6
		HIGH STRENGTH	7,800	15	6	12,000	20	7
			9,600	18	6	17,100	26	9
			11,200	19	7	22,100	30	10
			13,900	22	8	26,700	34	12
15,800			24	8	32,100	38	13	
19,900	29	10	35,300	41	14			

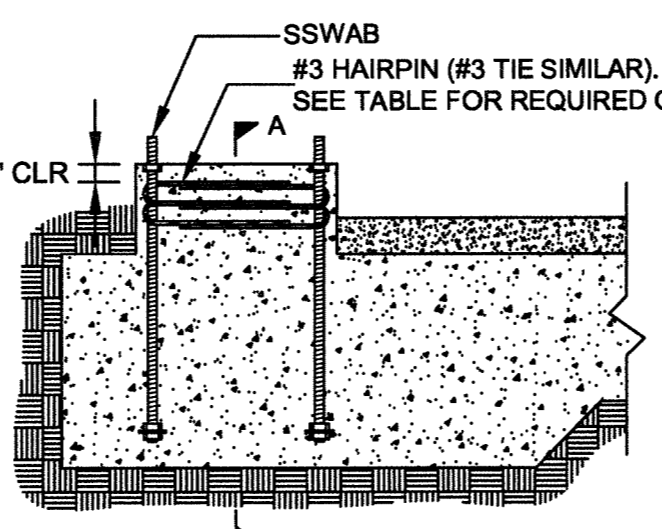
- NOTES:
- ANCHORAGE DESIGNS CONFORM TO ACI 318 APPENDIX D WITH NO SUPPLEMENTARY REINFORCEMENT FOR CRACKED OR UNCRACKED CONCRETE AS NOTED.
  - ANCHOR STRENGTH INDICATES REQUIRED GRADE OF SSWAB ANCHOR BOLT. STANDARD (ASTM F1554 GRADE 36) OR HIGH STRENGTH (HS) (ASTM A449).
  - SEISMIC INDICATES SEISMIC DESIGN CATEGORY C THROUGH F. DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC C MAY USE WIND ANCHORAGE SOLUTIONS. SEISMIC ANCHORAGE DESIGNS CONFORM TO ACI 318-05 SECTION D.3.3.4.
  - WIND INCLUDES SEISMIC DESIGN CATEGORY A AND B AND DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC C.
  - FOUNDATION DIMENSIONS ARE FOR ANCHORAGE ONLY. FOUNDATION DESIGN (SIZE AND REINFORCEMENT) BY OTHERS. THE REGISTERED DESIGN PROFESSIONAL MAY SPECIFY ALTERNATE EMBEDMENT, FOOTING SIZE OR ANCHOR BOLT.
  - REFER TO 1/SSW1 FOR d<sub>e</sub>.

**SSWAB TENSION ANCHORAGE SCHEDULE 2500 PSI**

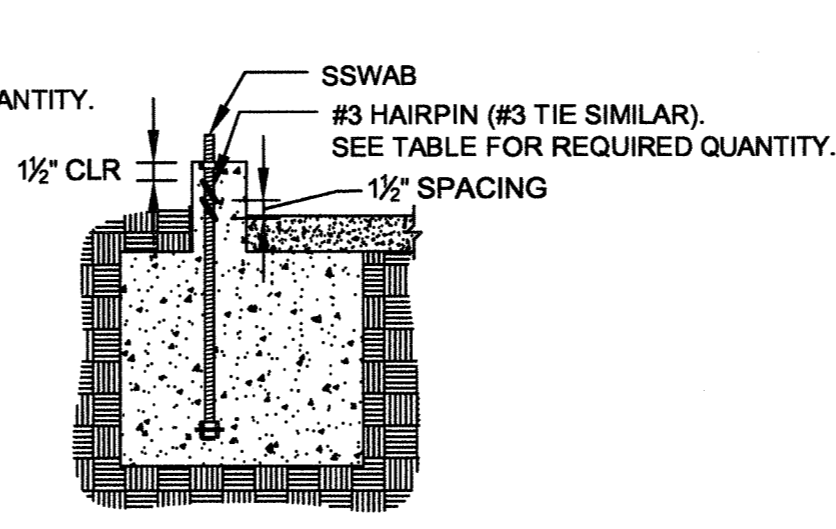


**HAIRPIN SHEAR REINFORCEMENT**

**TIE SHEAR REINFORCEMENT**



**HAIRPIN INSTALLATION**  
 (GARAGE CURB SHOWN, OTHER FOOTING TYPES SIMILAR.)

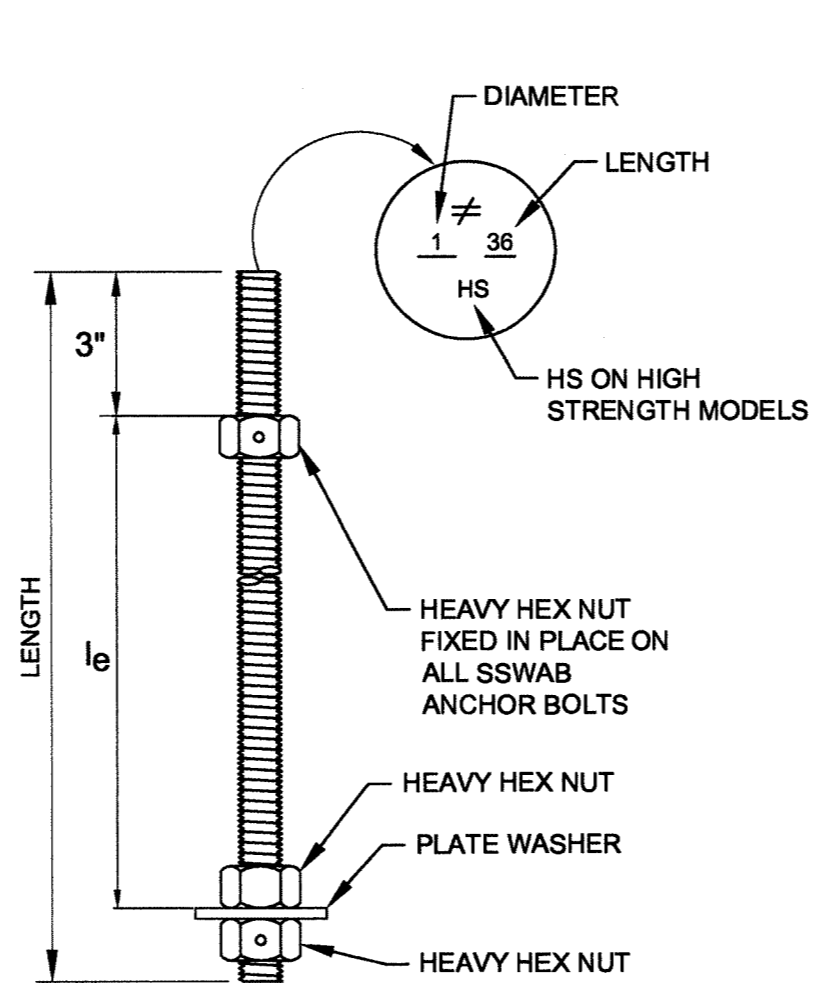


**SECTION A-A**

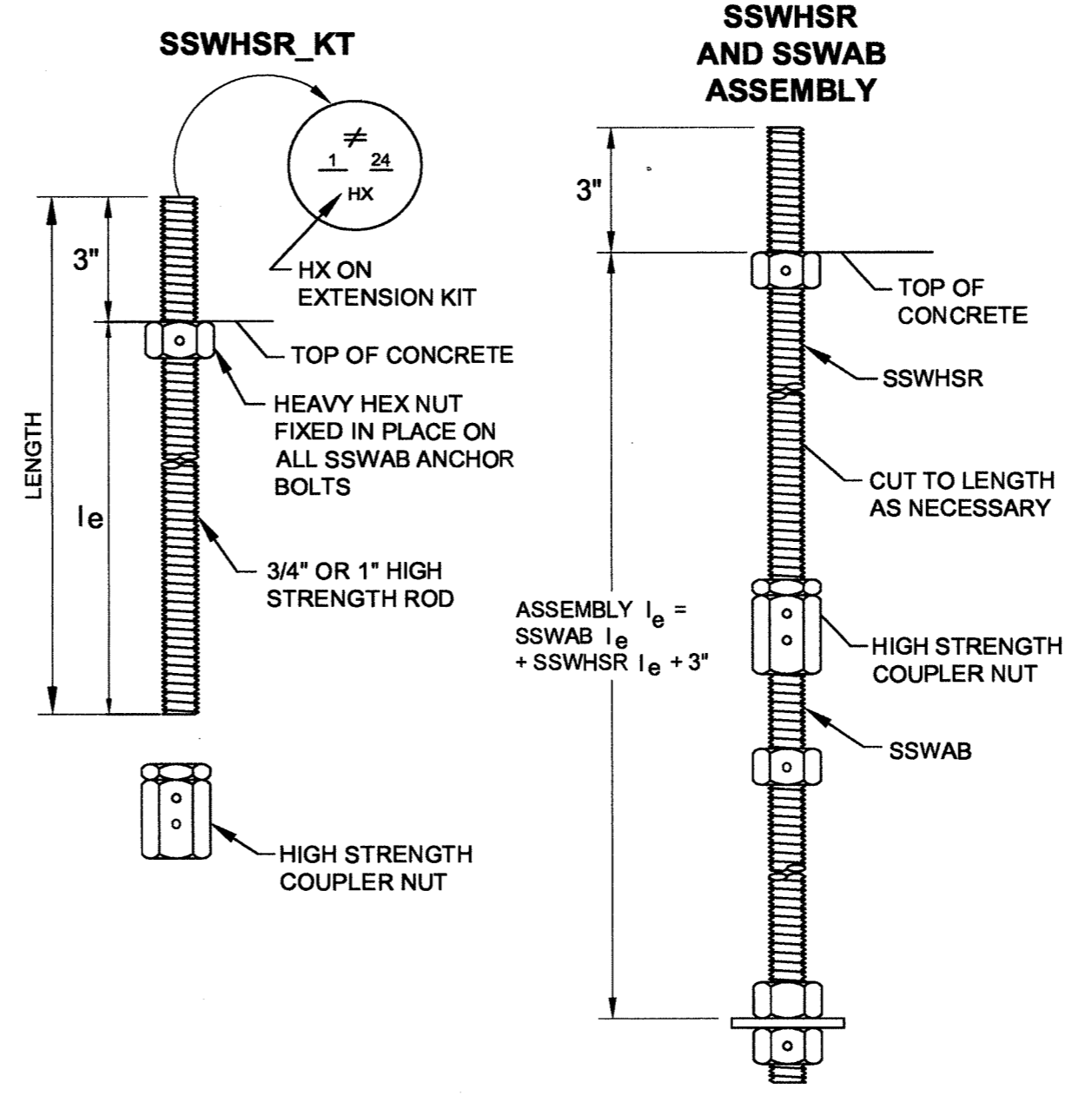
STEEL STRONG-WALL SHEAR ANCHORAGE						
MODEL	L <sub>e</sub> OR L <sub>h</sub> (in)	SHEAR REINFORCEMENT	MINIMUM CURB/STEMWALL WIDTH (in)	SHEAR REINFORCEMENT	ASD ALLOWABLE SHEAR LOAD V (lbs)	
					MINIMUM CURB/STEMWALL WIDTH (in)	UNCRAKED
SSW12	9	(1) #3 TIE	6	NONE REQUIRED	6	1370
SSW15	12	(1) #3 TIE	6	NONE REQUIRED	6	1765 <sup>7</sup>
SSW18	14	(1) #3 HAIRPIN	8 <sup>5</sup>	(1) #3 HAIRPIN	6	N/A
SSW21	15	(1) #3 HAIRPIN	8 <sup>5</sup>	(1) #3 HAIRPIN	6	N/A
SSW24	17	(2) #3 HAIRPINS	8 <sup>5</sup>	(2) #3 HAIRPINS	6	N/A

- NOTES:
- SHEAR ANCHORAGE DESIGNS CONFORM TO ACI 318-05 AND ASSUME MINIMUM f<sub>c</sub> = 2,500 PSI CONCRETE. SEE DETAILS 1/SSW1 TO 3/SSW1 FOR TENSION ANCHORAGE.
  - SHEAR REINFORCEMENT IS NOT REQUIRED FOR PANELS INSTALLED ON A WOOD FLOOR, INTERIOR FOUNDATION APPLICATIONS (PANEL INSTALLED AWAY FROM EDGE OF CONCRETE), OR BRACED WALL PANEL APPLICATIONS.
  - SEISMIC INDICATES SEISMIC DESIGN CATEGORY C THROUGH F. DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC C MAY USE WIND ANCHORAGE SOLUTIONS.
  - WIND INCLUDES SEISMIC DESIGN CATEGORY A AND B.
  - MINIMUM CURB/STEMWALL WIDTH IS 6" WHEN STANDARD STRENGTH SSWAB IS USED.
  - 8" MINIMUM CURB/STEMWALL ALLOWABLE SHEAR IS 2015 lbs. UNCRACKED AND 1440 lbs. CRACKED. USE SEISMIC SHEAR REINFORCEMENT FOR HIGHER SHEAR LOADS.
  - 8" MINIMUM CURB/STEMWALL ALLOWABLE SHEAR IS 2015 lbs. UNCRACKED AND 1440 lbs. CRACKED. USE SEISMIC SHEAR REINFORCEMENT FOR HIGHER SHEAR LOADS.
  - CONCRETE EDGE DISTANCE FOR ANCHORS MUST COMPLY WITH ACI 318 D.8.2.

**STEEL STRONG-WALL ANCHOR BOLT SHEAR ANCHORAGE**

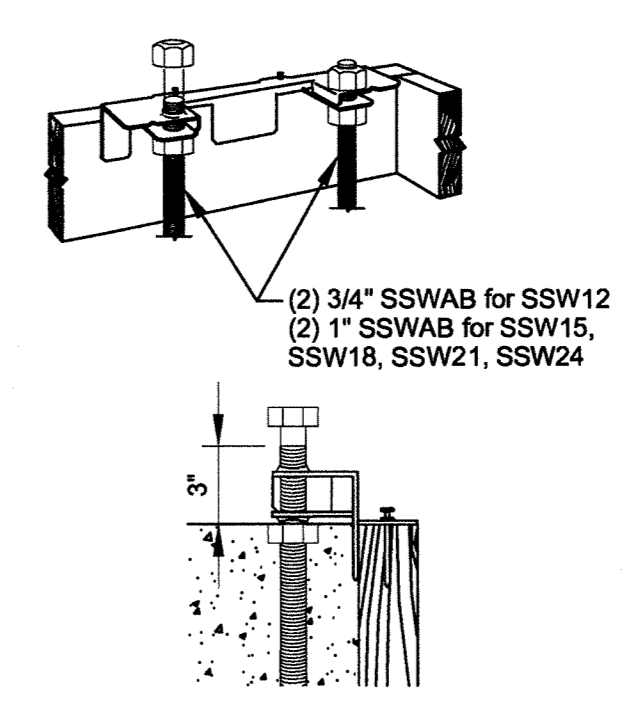


STEEL STRONG-WALL WIDTH	MODEL NO.	DIAMETER	LENGTH	l <sub>e</sub>
12" MODEL	SSWAB3/4x24	3/4"	24"	19"
	SSWAB3/4x24HS	3/4"	24"	19"
	SSWAB3/4x30	3/4"	30"	25"
	SSWAB3/4x30HS	3/4"	30"	25"
	SSWAB3/4x36HS	3/4"	36"	31"
	SSWAB1x24	1"	24"	19"
15", 18", 21 AND 24" MODELS	SSWAB1x24HS	1"	24"	19"
	SSWAB1x30	1"	30"	25"
	SSWAB1x30HS	1"	30"	25"
	SSWAB1x36HS	1"	36"	31"

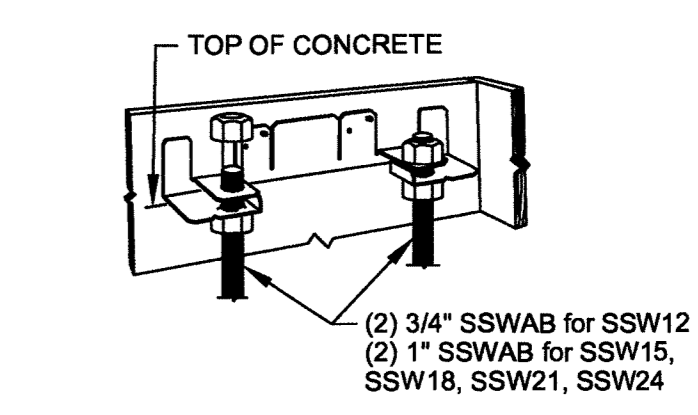


SSW WIDTH	MODEL NO.	DIAMETER	TOTAL LENGTH	l <sub>e</sub>
12" MODEL	SSWHSR3/4-2KT	3/4"	24"	21"
	SSWHSR3/4-3KT	3/4"	36"	33"
15", 18", 21 AND 24" MODELS	SSWHSR1-2KT	1"	24"	21"
	SSWHSR1-3KT	1"	36"	33"

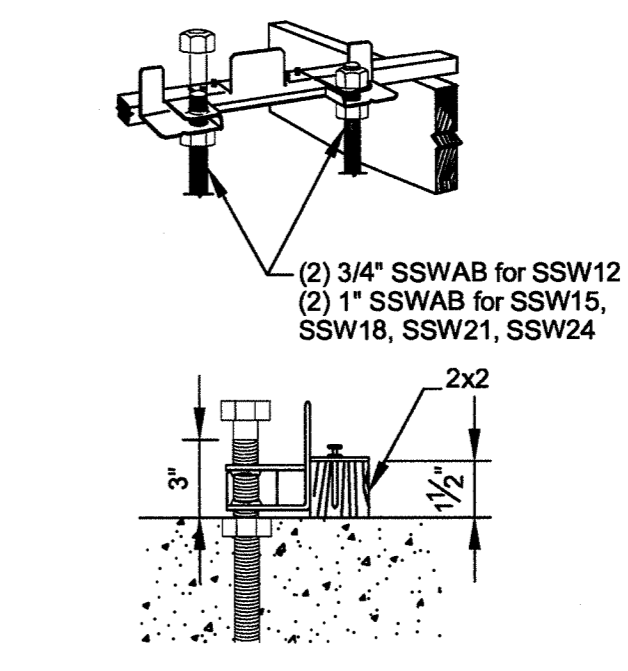
**SSWT EXTERIOR INSTALLATION**



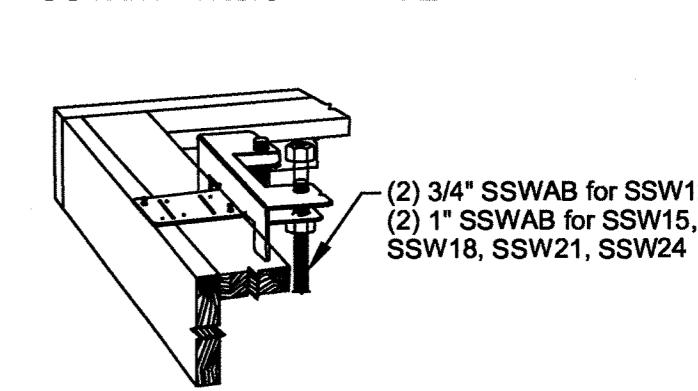
**SSWTPF PANEL FORM INSTALLATION**



**SSWT INTERIOR INSTALLATION**



**SSWTBL BRICK LEDGE INSTALLATION**



COUNTY OF SANTA CLARA  
 BUILDING INSPECTION OFFICE  
 PLANS APPROVED FOR PERMIT

SHEET NO. 16 OF 19 SHEETS  
 BY LMA DATE 6/5/14

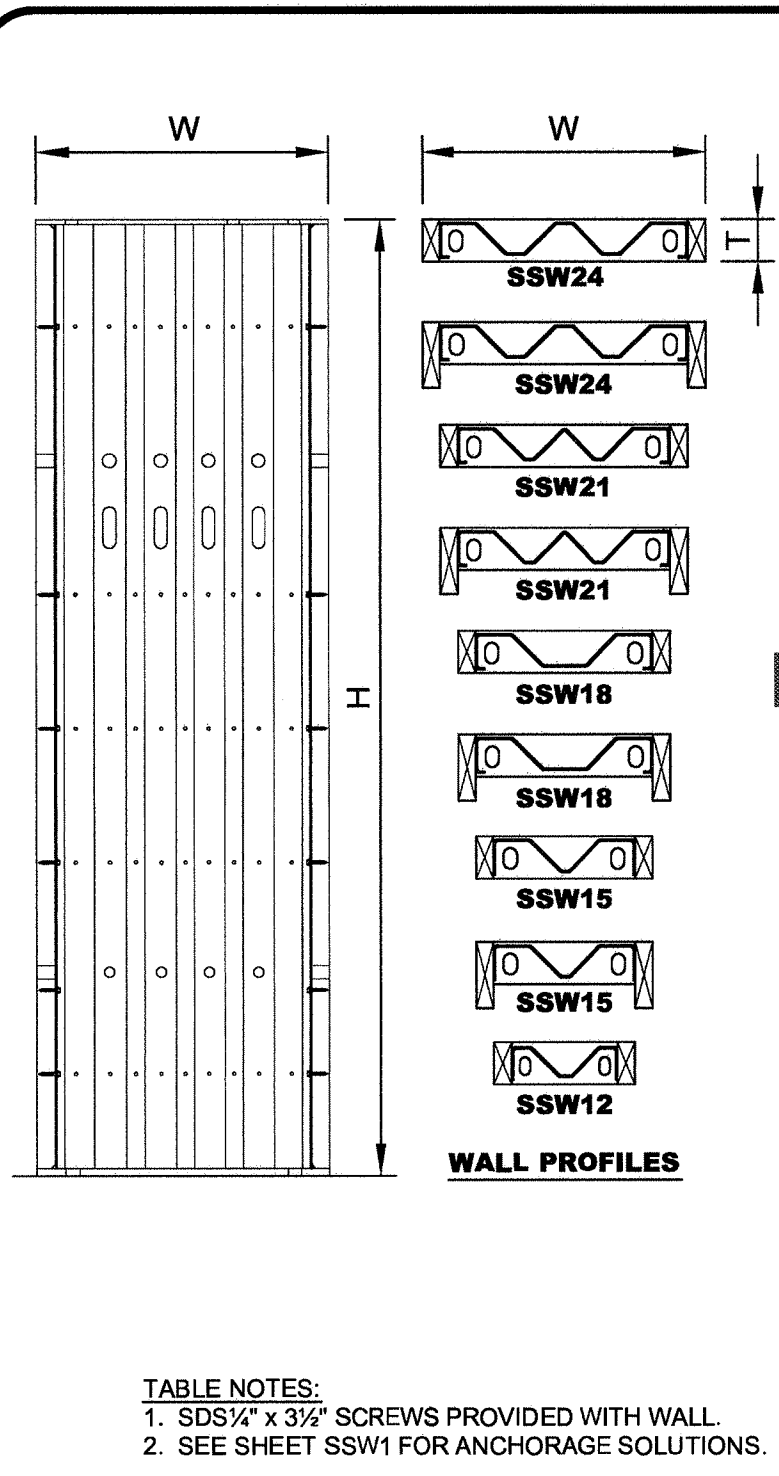
PLANS MUST BE ON JOB FOR INSPECTIONS

**SSWAB TENSION ANCHORAGE SCHEDULE 2500 PSI**

**SSW ANCHOR BOLTS**

**SSW ANCHOR BOLT EXTENSION**

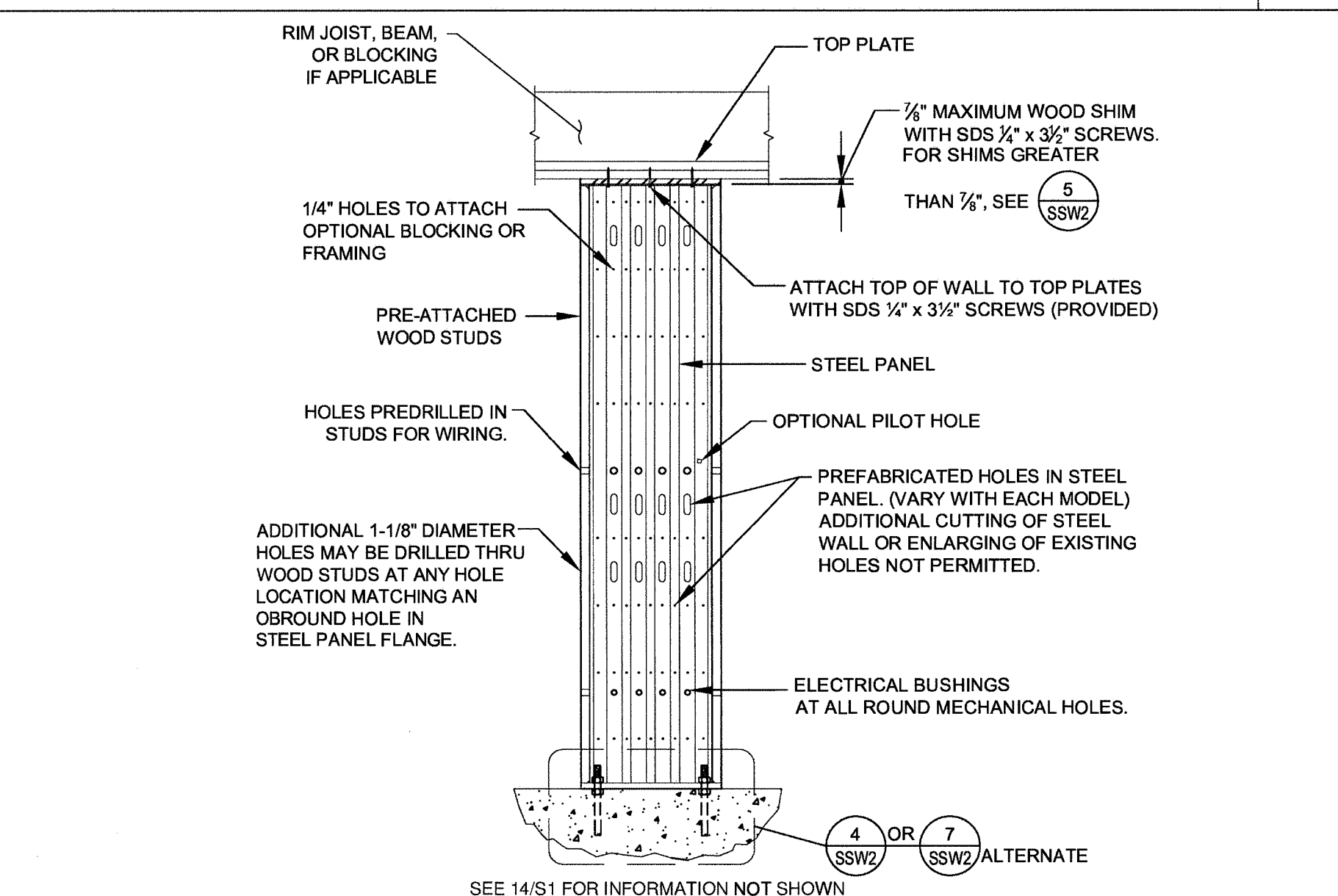
**SSW ANCHOR BOLT TEMPLATES**



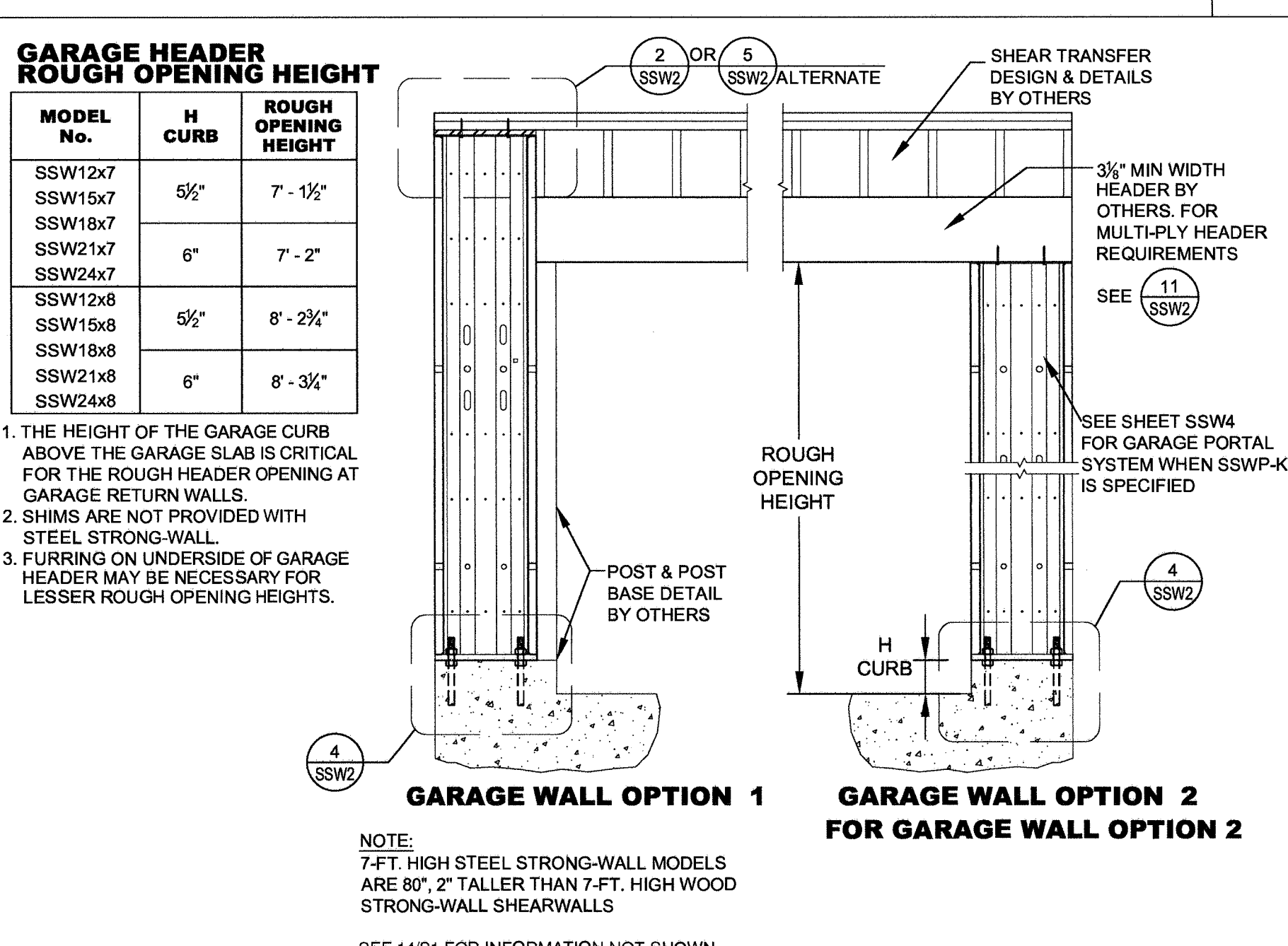
STD. WALL MODEL NO.	-STK WALL MODEL NO.	H (in)	T (in)	HOLD-DOWN ANCHOR BOLTS	QTY. OF WALL SCREWS
SSW12x7		80	3 1/2	(2) 3/4"	4
SSW15x7		80	3 1/2	(2) 1"	6
SSW18x7		80	3 1/2	(2) 1"	9
SSW21x7		80	3 1/2	(2) 1"	12
SSW24x7		80	3 1/2	(2) 1"	14
SSW12x7.4		85 1/2	3 1/2	(2) 3/4"	4
SSW15x7.4		85 1/2	3 1/2	(2) 1"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

TABLE NOTES:  
 1. SDS 1/2" x 3/32" SCREWS PROVIDED WITH WALL.  
 2. SEE SHEET SSW1 FOR ANCHORAGE SOLUTIONS.

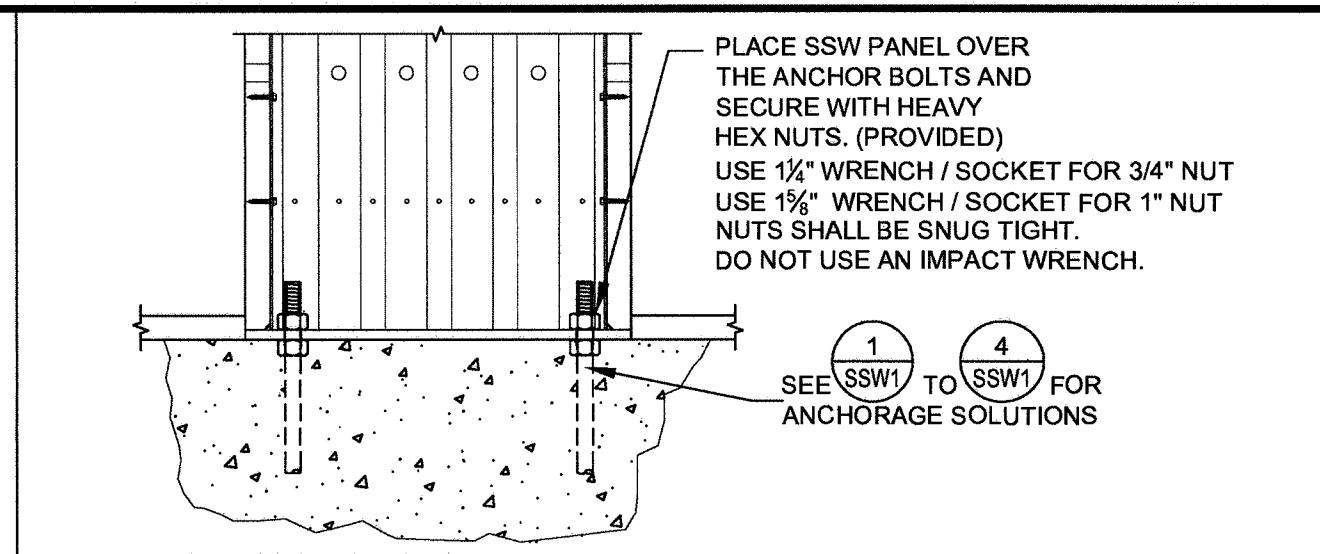
**STEEL STRONG-WALL MODELS** 1



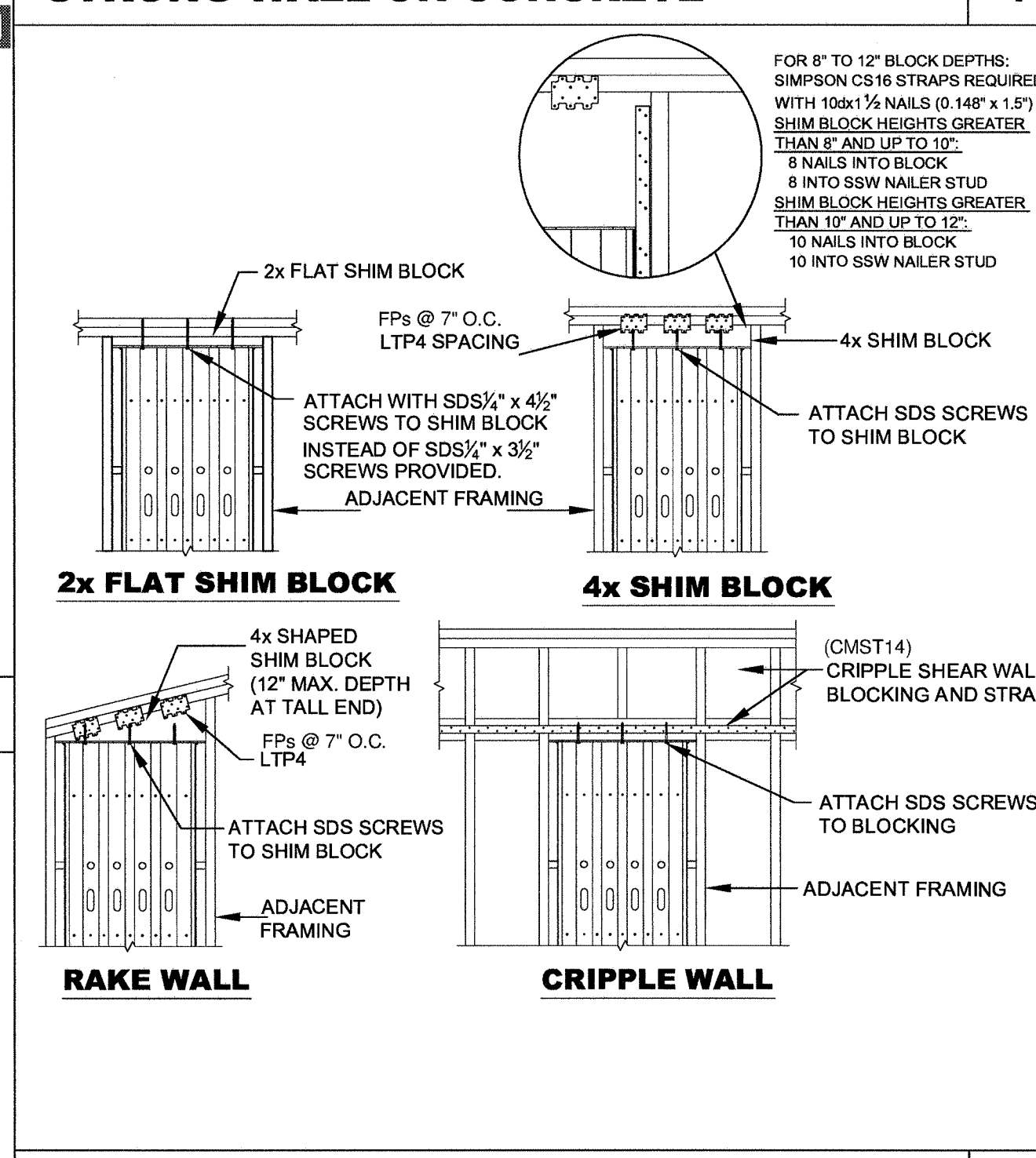
**SINGLE-STORY SSW ON CONCRETE** 2



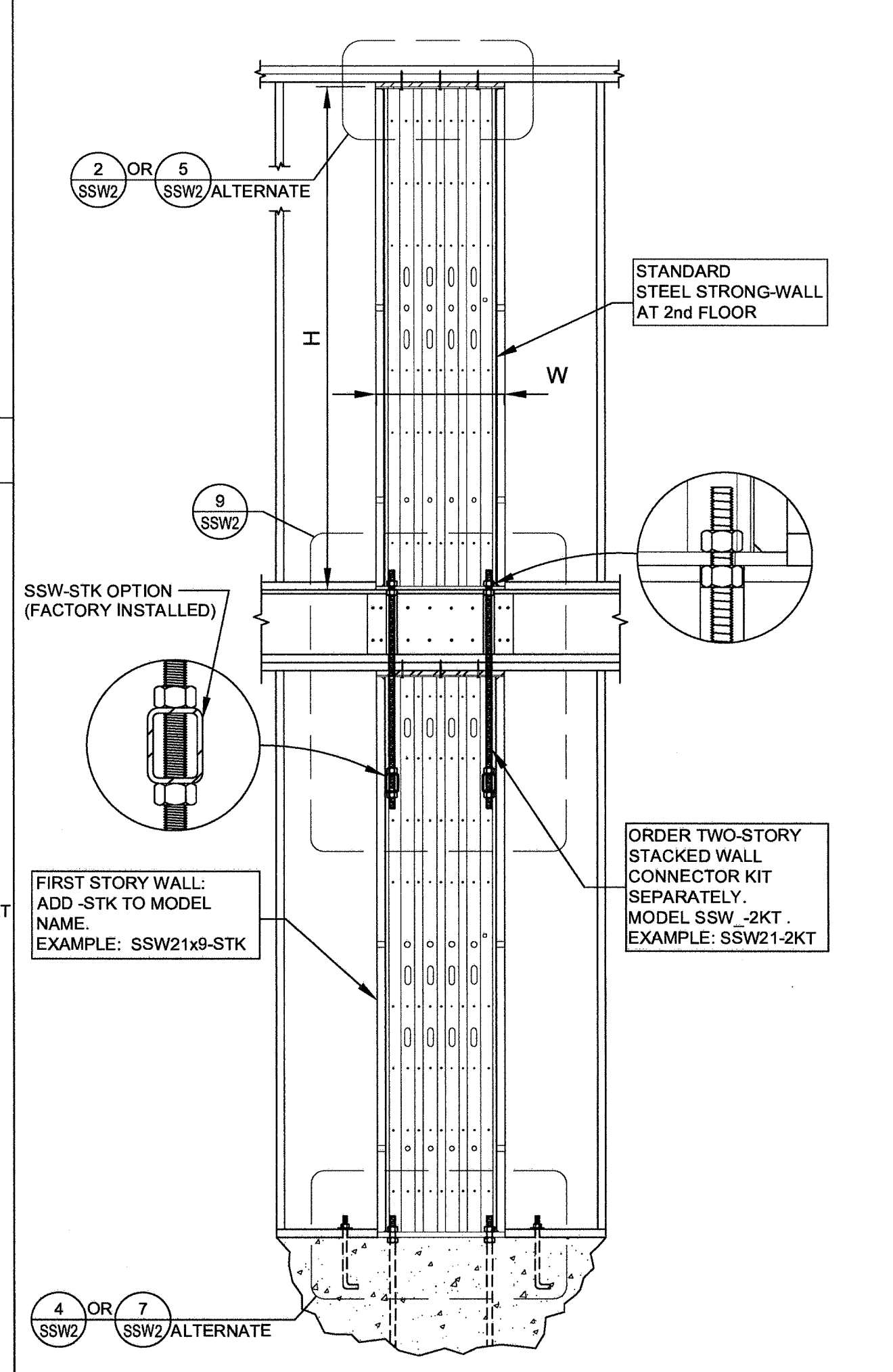
**ALTERNATE GARAGE WALL OPTIONS** 3



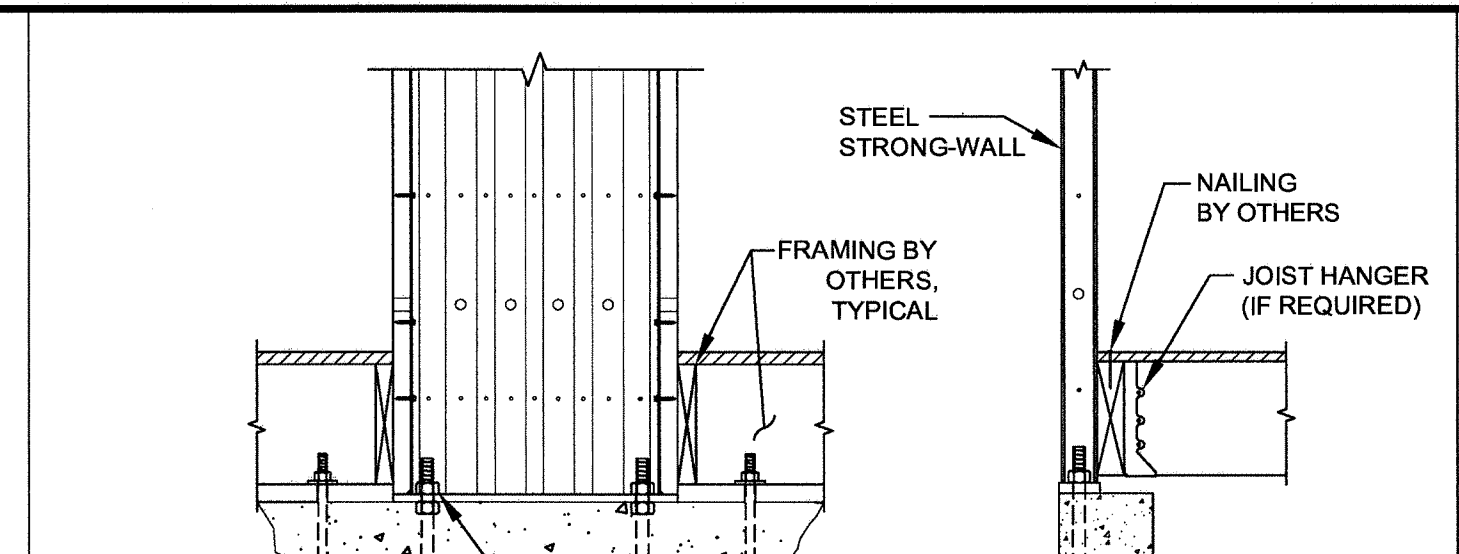
**STRONG-WALL ON CONCRETE** 4



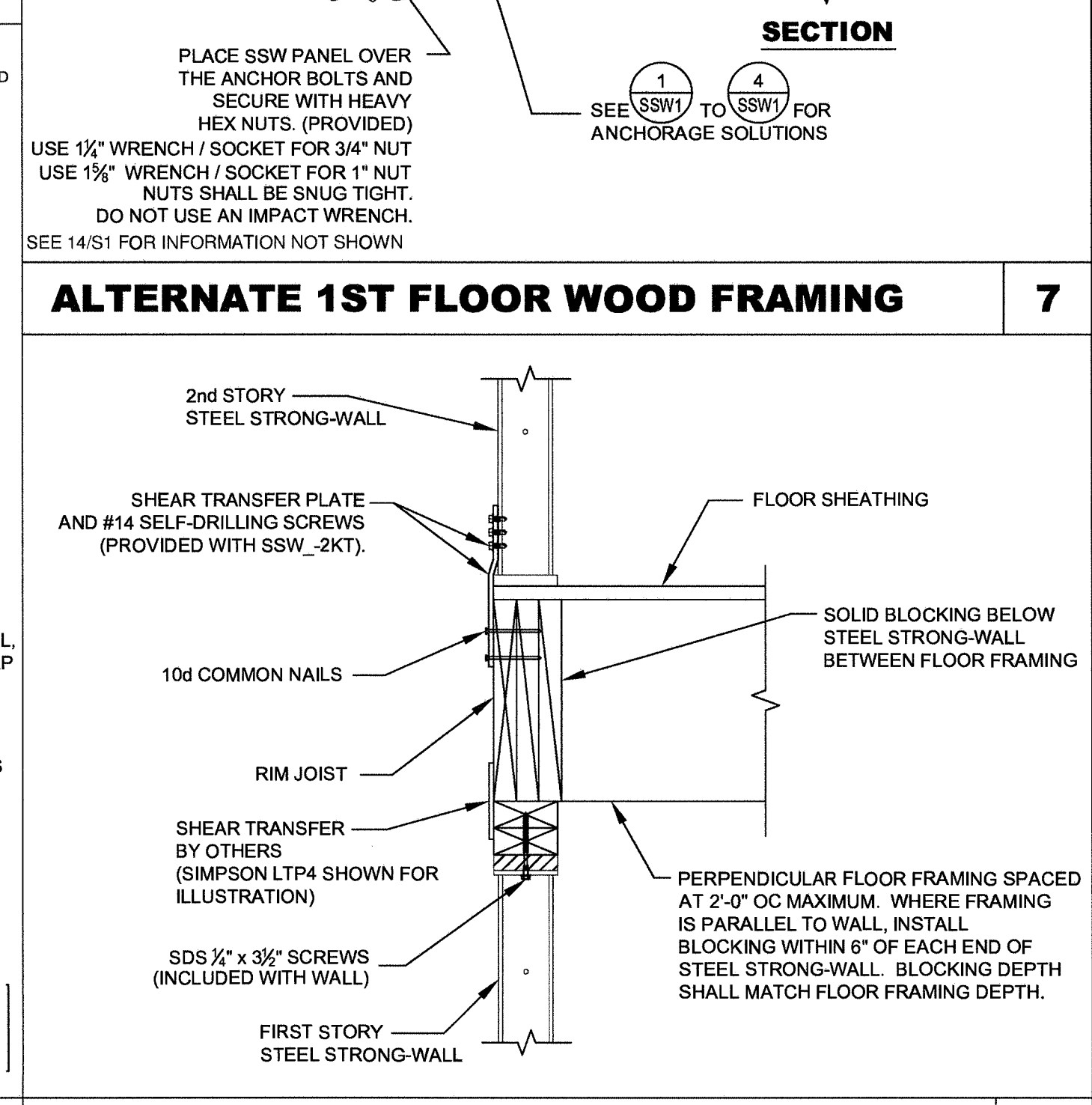
**TOP OF WALL HEIGHT ADJUSTMENTS** 5



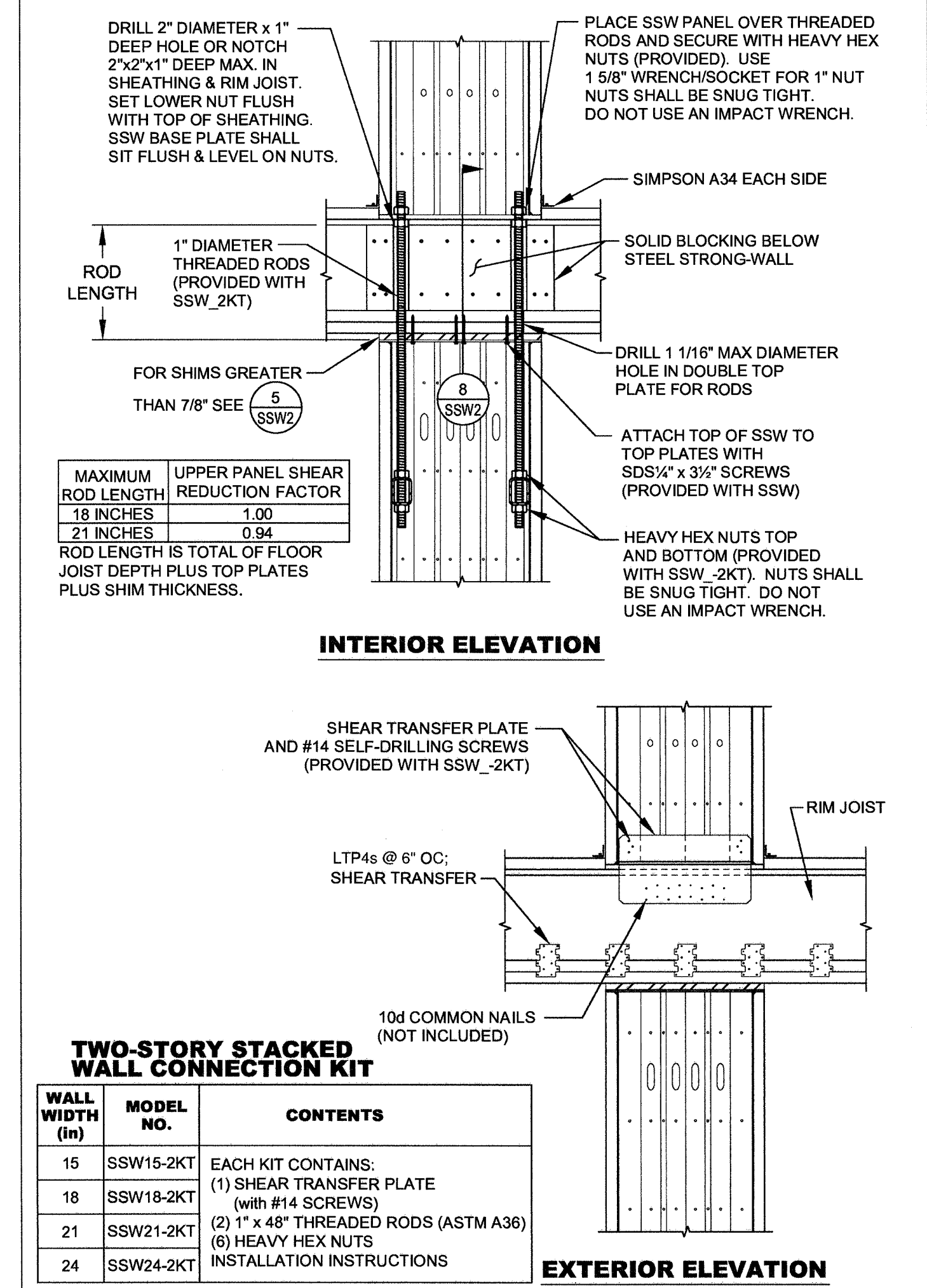
**TWO-STORY STACKED** 6



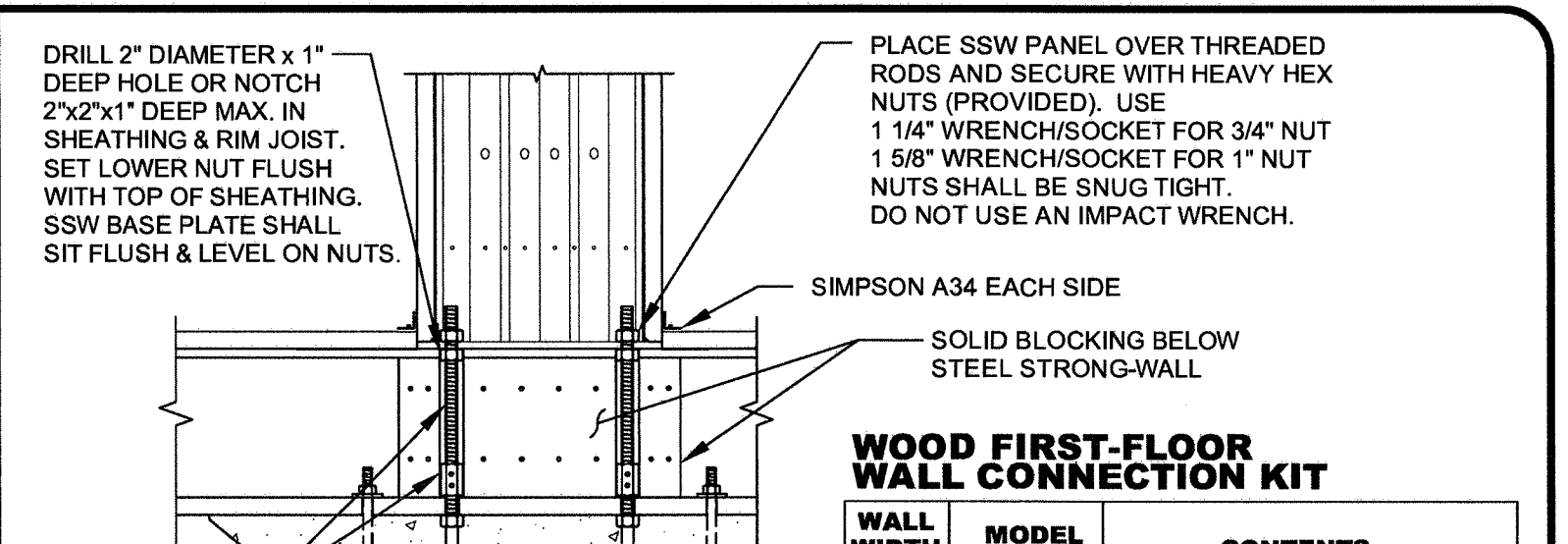
**ALTERNATE 1ST FLOOR WOOD FRAMING** 7



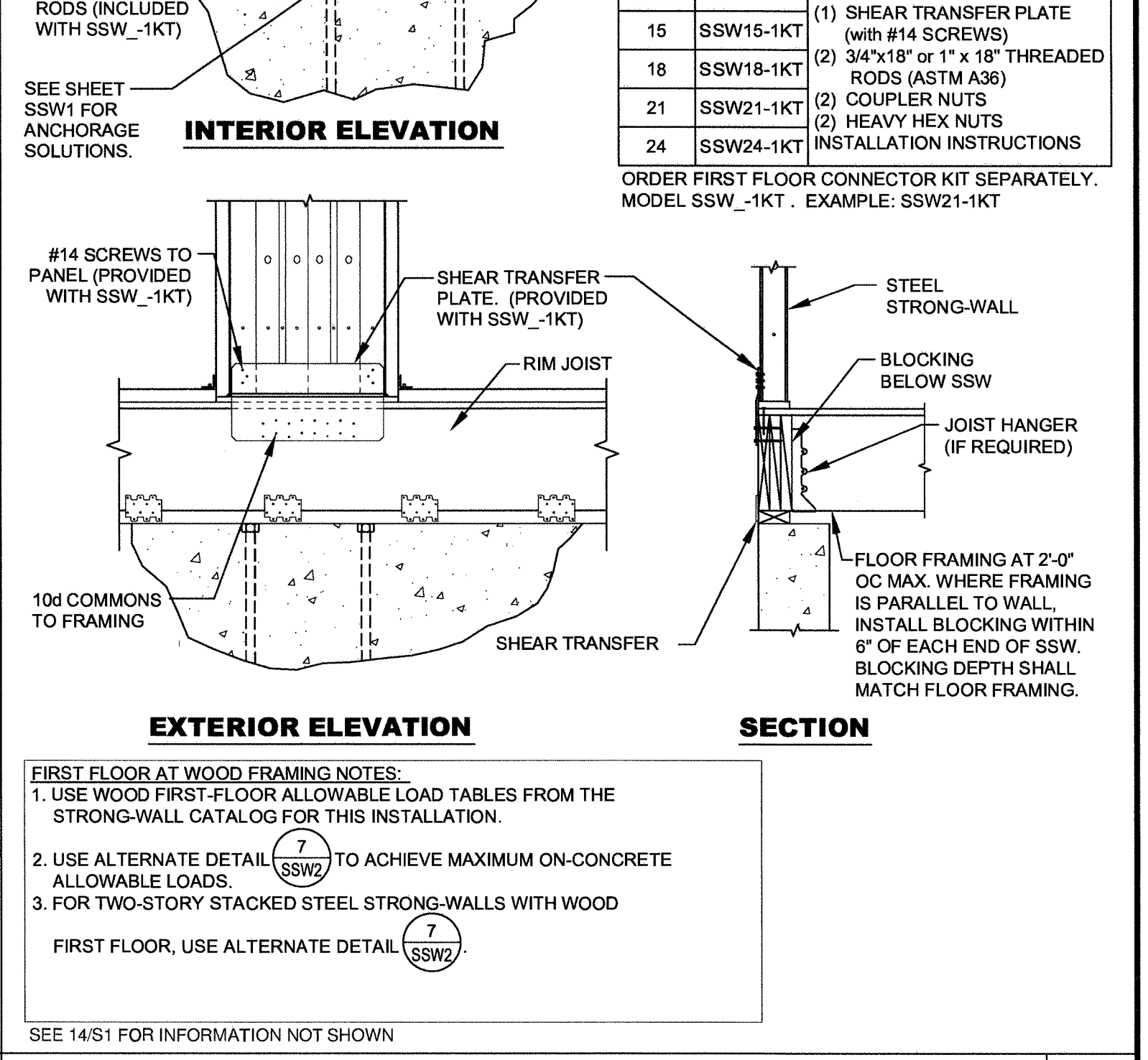
**TWO-STORY STACKED FLOOR SECTION** 8



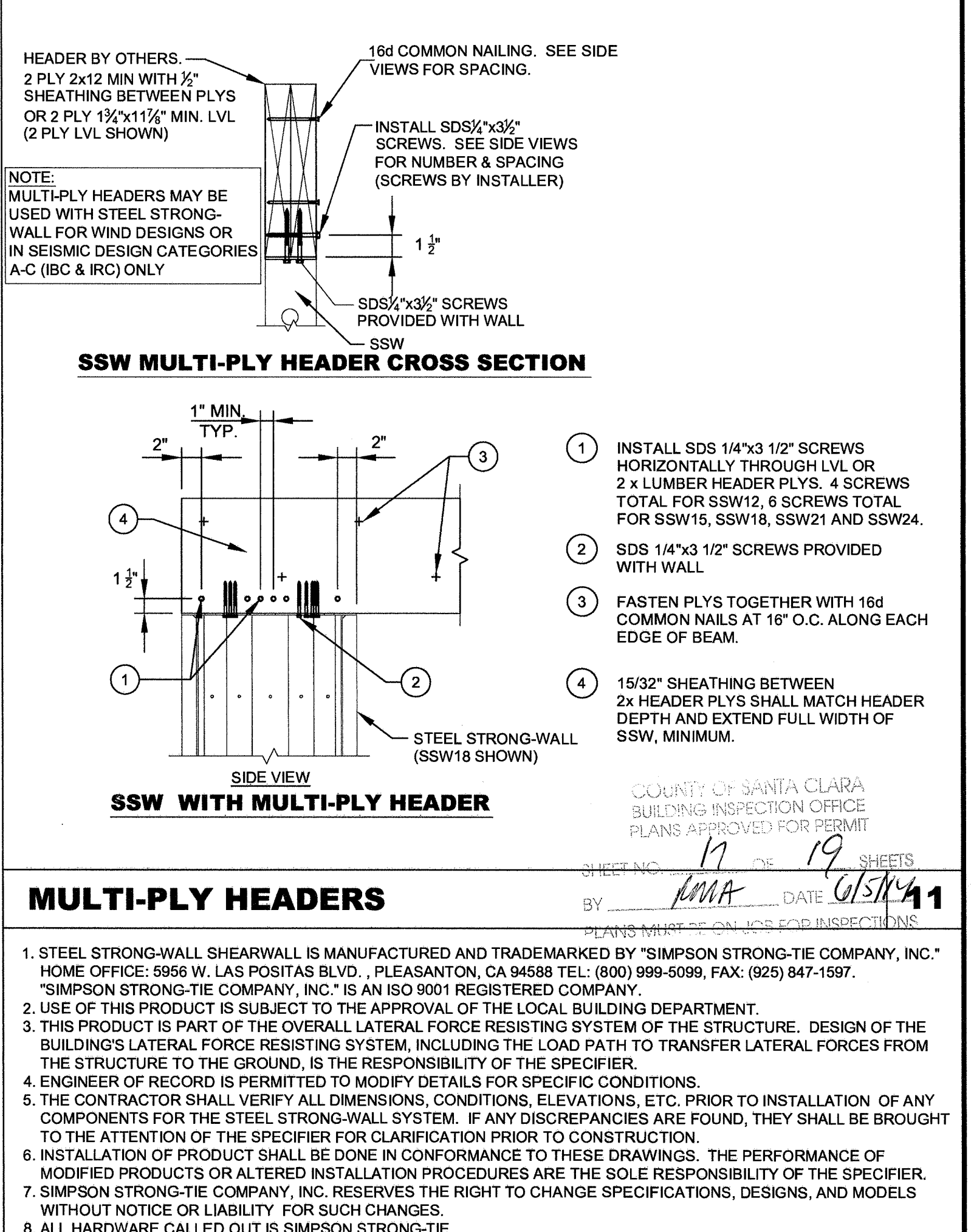
**TWO-STORY STACKED FLOOR FRAMING** 9



**WOOD FIRST-FLOOR WALL CONNECTION KIT** 10



**FIRST FLOOR AT WOOD FRAMING** 10

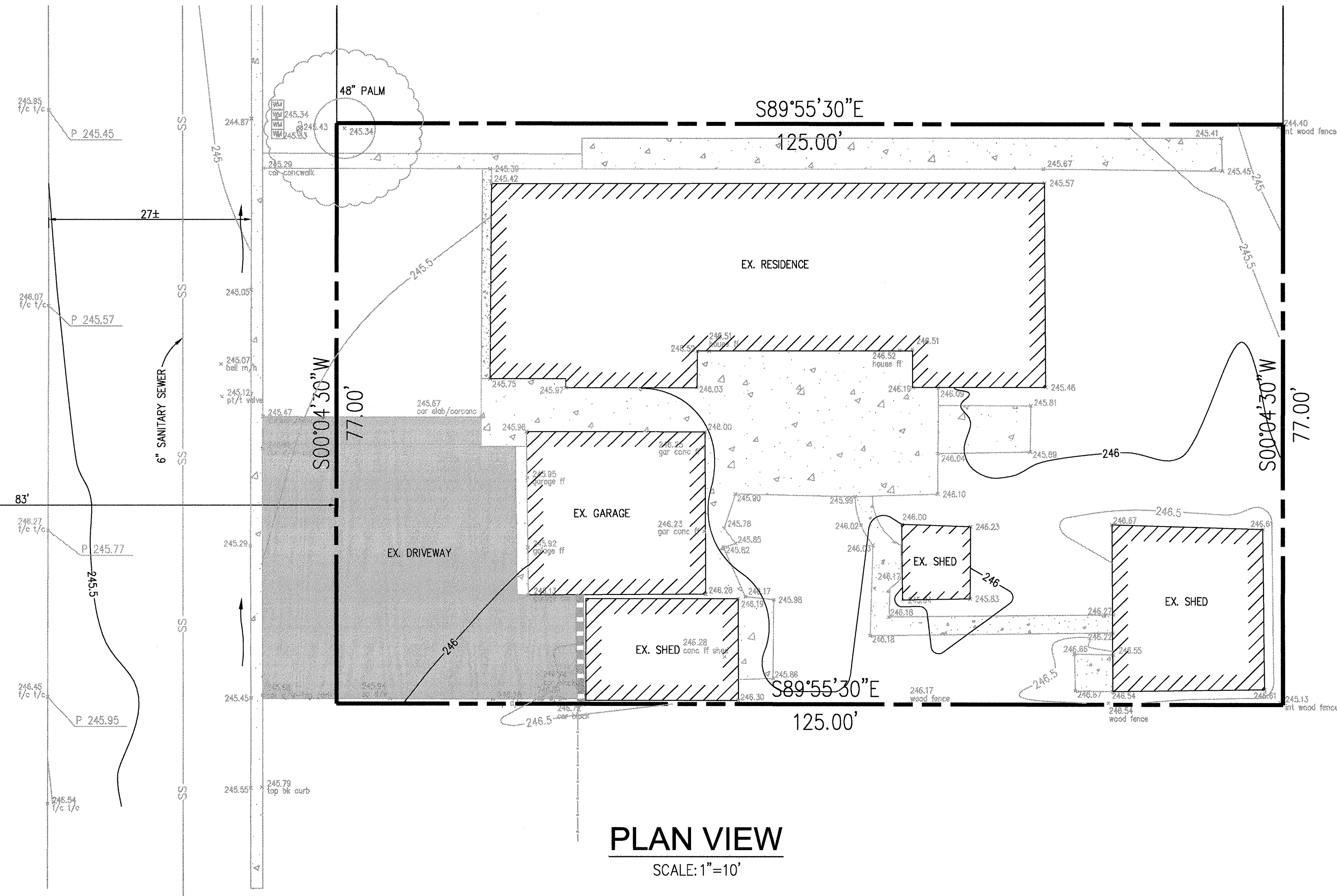


**NOTES** 12

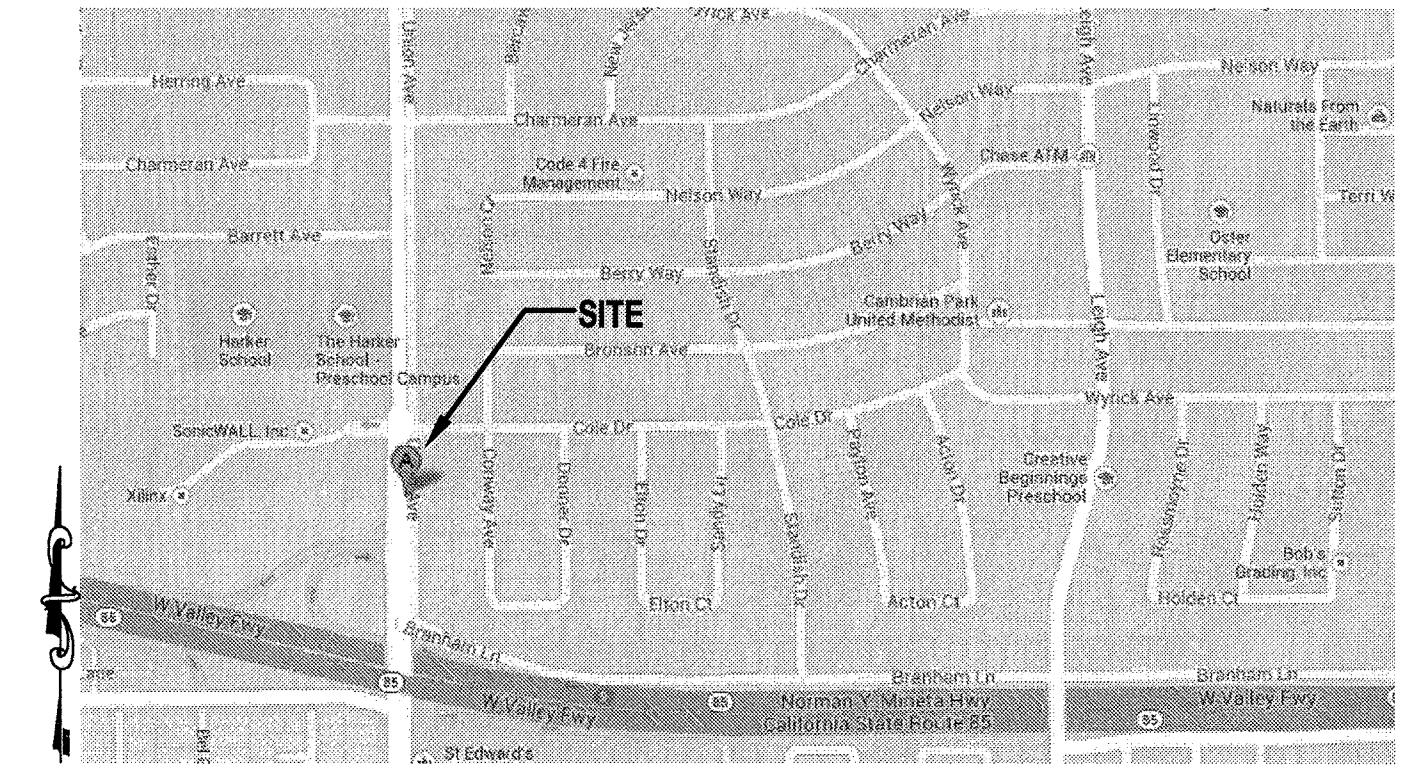
REVISIONS  
 NO. DATE  
 SIMPSON STRONG-TIE COMPANY, INC.  
 HOME OFFICE: 5956 W. LAS POSTAS BLVD., PLEASANTON, CA 94588  
 TEL: (800) 999-5099  
 THERE IS NO EQUAL  
**STEEL STRONG-WALL**  
 FRAMING DETAILS  
 ENGINEERED DESIGNS  
 NAME: \_\_\_\_\_  
 DATE: 9-21-2009  
 SCALE: N.T.S.  
 CHECKED: \_\_\_\_\_  
 SHEET: **SSW2**  
 OF SHEETS: \_\_\_\_\_  
 JOB NO.: \_\_\_\_\_

AVE.

UNION



**PLAN VIEW**  
SCALE: 1"=10'



VICINITY MAP  
N.T.S.

**ABBREVIATIONS**

- B/W BACK OF WALK
- BW BOTTOM WALL
- BC BOTTOM OF CURB
- CP CONTROL POINT
- EX EXISTING
- FF FINISH FLOOR
- FG FINISH GRADE
- FL FLOW LINE
- G.G. GROUND
- PL PROPOSED
- (P) PROPERTY LINE
- SNF SEARCHED FOR NOT FOUND
- SSCO SANITARY SEWER CLEAN OUT
- SSMH SANITARY SEWER MANHOLE
- SVC SERVICE
- TBR EX. TREE / TREE WELL TO BE REMOVED
- TC TOP OF CURB
- UGND UNDERGROUND

**LEGEND**

- 5.30 EX. CONTOUR MAJOR
- 5.34 EX. CONTOUR MINOR
- EX BUILDING, DRIVEWAY
- E ELECTRICAL LINE
- EX GAS LINE
- EX SANITARY SEWER LINE
- EX STORM DRAIN LINE
- EX OVERHEAD WIRE
- EX CURB & GUTTER
- EX WOOD FENCE
- EX WATER
- EXISTING STREET LIGHT BOX
- EXISTING LAMPOLIER
- EXISTING ELECTROLIER/TRAFFIC SIGN
- EXISTING TREE TO BE REMOVED
- SS PROPOSED SANITARY SEWER
- SD PROPOSED STORM DRAIN
- G PROPOSED GAS
- W PROPOSED WATER
- 5.34 PROPOSED CONTOUR
- BT PROPOSED BUILDING
- JT PROPOSED JOINT UTILITIES
- E PROPOSED ELECTRICAL LINE
- PROPOSED DECK / PLATER / WALKWAY / DWY
- PROPOSED CURB & GUTTER
- PROPOSED VEGETATION SWALE / FLOW LINE
- BUILDING SETBACK LINES
- PROPERTY LINE
- STREET CENTER LINE

TS CIVIL ENGINEERING, INC.  
1776 TECHNOLOGY DRIVE  
SAN JOSE, CA 95110



CIVIL ENGINEERING

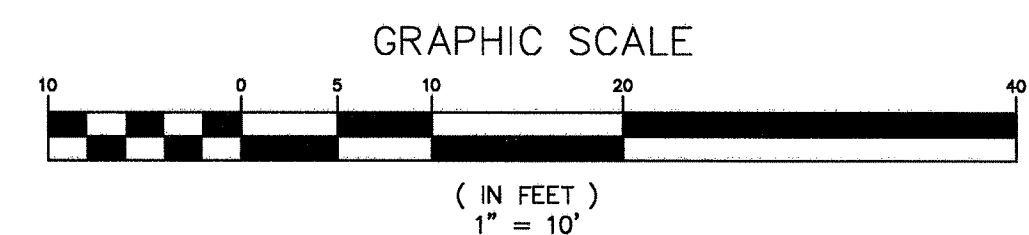
TOLL FREE: 888.327.7070 FAX: 408.452.9301

PH: 408.452.9300

NO.	DATE	BY	REVISIONS
7			
6			
5			
4			
3			
2			
1	3-7-12		ADDED EX. P.F.S. NEW P.C.S ON WINCHESTER & KNOWLES

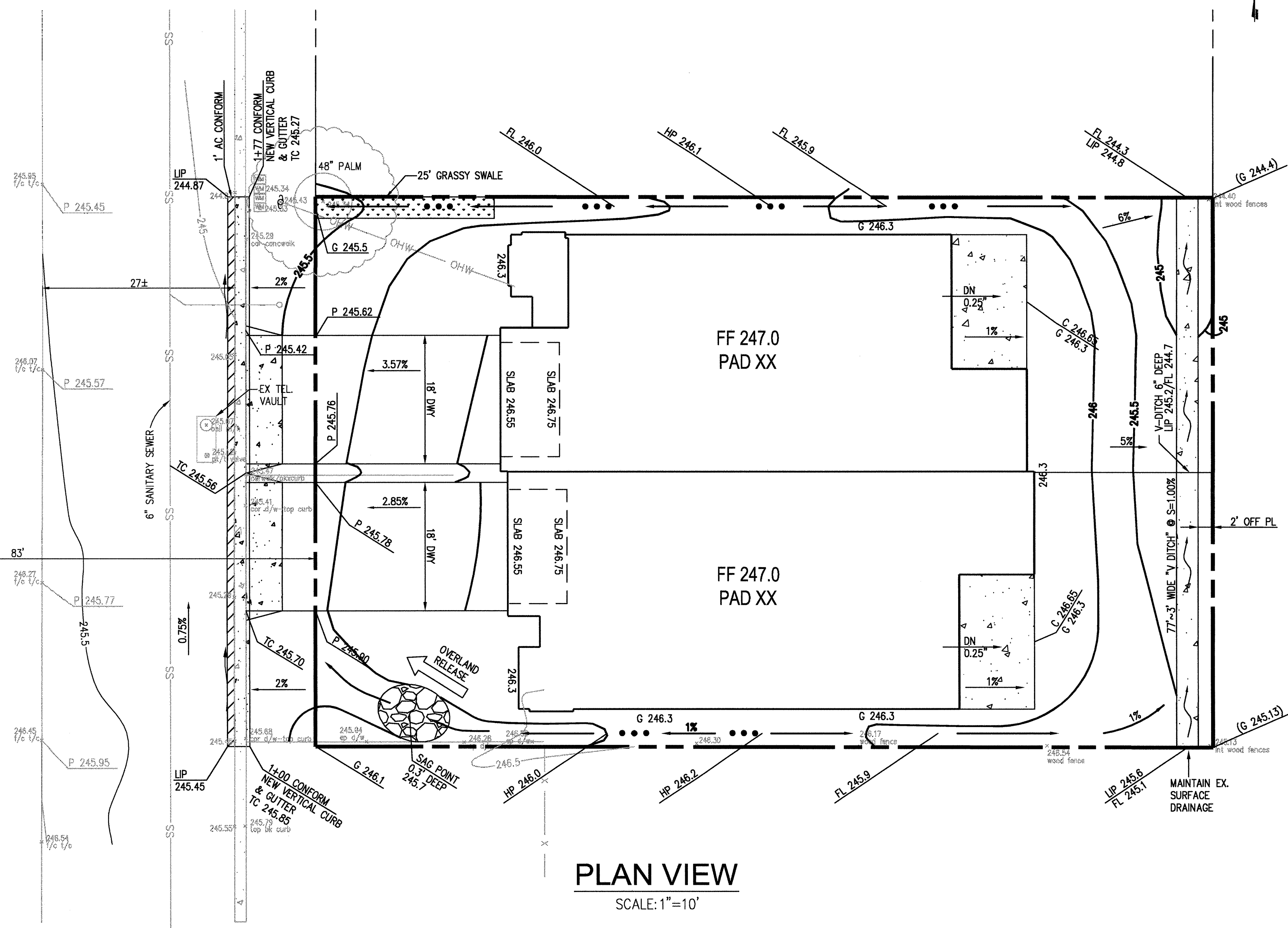
**TOPOGRAPHIC/  
EXISTING CONDITIONS MAP**

DATE: 11/27/13  
SCALE: 1"=10'  
DRAWN BY: AC  
SURVEYED BY: HB  
PROJ ENGR: TJS  
CHECK BY: TJS  
SHEET NO.  
**C-1**  
OF 1 SHEETS  
JOB NO.  
13-277



AVE.

UNION



PLAN VIEW  
SCALE: 1"=10'

SITE

VICINITY MAP  
N.T.S.

ABBREVIATIONS

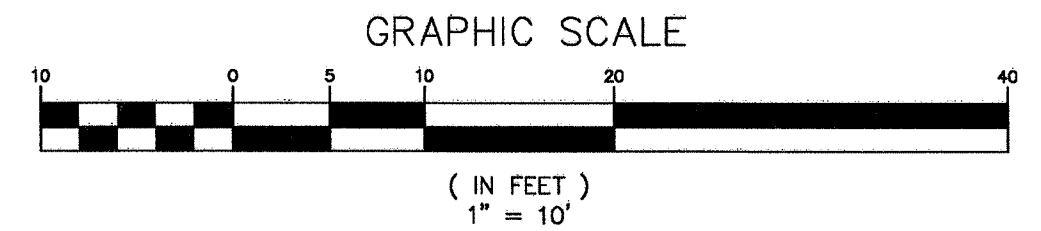
- B/W BACK OF WALK
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- FG FINISH GRADE
- FL FLOW LINE
- G GROUND
- PL PROPERTY LINE
- P PROPOSED
- (P) SEARCHED FOR NOT FOUND
- SFNF SANITARY SEWER CLEAN OUT
- SSCD SANITARY SEWER CLEAN OUT
- SMH SANITARY SEWER MANHOLE
- SVC SERVICE
- TBR EX. TREE / TREE WELL TO BE REMOVED
- TC TOP OF CURB
- UGND UNDERGROUND

LEGEND

- SS PROPOSED SANITARY SEWER
- SD PROPOSED STORM DRAIN
- G PROPOSED GAS
- W PROPOSED WATER
- 334 PROPOSED CONTOUR
- PROPOSED BUILDING
- PROPOSED JOINT UTILITIES
- PROPOSED ELECTRICAL LINE
- PROPOSED DECK/PLATER/WALKWAY/DWY
- PROPOSED CURB & GUTTER
- PROPOSED VEGETATION SWALE/FLOW LINE
- BUILDING SETBACK LINES
- PROPERTY LINE
- STREET CENTER LINE

LEGAL DESCRIPTION:

LOT 4 OF BLOCK 18-TRACT 845 CAMBRIAN PARK  
UNIT NUMBER 6, RECORDED JULY 23, 1951, BOOK  
34 OF MAPS PAGES 10 & 11, SANTA CLARA  
COUNTY RECORDS.



TS CIVIL ENGINEERING, INC.  
1776 TECHNOLOGY DRIVE  
SAN JOSE, CA 95110



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NO.	DATE	REVISIONS	BY
7			
6			
5			
4			
3			
2			
1			

GRADING & DRAINAGE PLAN

DATE: 12-12-13  
SCALE: 1"=10'  
DRAWN BY: AC  
SURVEYED BY: HB  
PROJ ENGR: TJS  
CHECK BY: TJS  
SHEET NO.  
**C-2**  
OF 1 SHEETS  
JOB NO.  
13-277

CERTIFICATE OF COMPLIANCE: Residential (Part 4 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
OPAGUE SURFACE DETAILS table with columns: Surface, Area, U-Factor, Fenestration, etc.
FENESTRATION SURFACE DETAILS table with columns: ID, Type, Area, U-Factor, SHGC, etc.
EXTERIOR SHADING DETAILS table with columns: ID, Exterior Shade Type, SHGC, etc.

CERTIFICATE OF COMPLIANCE: Residential (Part 4 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
OPAGUE SURFACE DETAILS table with columns: Surface, Area, U-Factor, Fenestration, etc.
FENESTRATION SURFACE DETAILS table with columns: ID, Type, Area, U-Factor, SHGC, etc.
EXTERIOR SHADING DETAILS table with columns: ID, Exterior Shade Type, SHGC, etc.

PERFORMANCE CERTIFICATE: Residential (Part 3 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
ANNUAL ENERGY USE SUMMARY table with columns: Space Heating, Space Cooling, Fans, etc.
BUILDING COMPLEX - NO HERS VERIFICATION REQUIRED section with Building Front Orientation, Fuel Available at Site, etc.
STATEMENT OF COMPLIANCE section with The documentation author hereby certifies that the documentation is accurate and complete.

PERFORMANCE CERTIFICATE: Residential (Part 2 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
SPECIAL FEATURES INSPECTION CHECKLIST table with columns: Item, Pass/Fail, etc.
HERS REQUIRED VERIFICATION section with Name in this section requires field testing and/or verification by a certified HERS Rater.

PERFORMANCE CERTIFICATE: Residential (Part 1 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
FIELD INSPECTION ENERGY CHECKLIST table with columns: Item, Pass/Fail, etc.
INSULATION table with columns: Location, Construction Type, Cavity, Area, etc.
FENESTRATION table with columns: Orientation, Area, U-Factor, SHGC, etc.
HVAC SYSTEMS table with columns: Qty, Heating, Cooling, etc.
HVAC DISTRIBUTION table with columns: Location, Heating, Cooling, etc.
WATER HEATING table with columns: Qty, Type, Gallons, etc.

MANDATORY MEASURES SUMMARY: Residential (Page 3 of 3) MF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
List of mandatory measures including:
§15000.10 Permanently installed luminaires in bathrooms, attached and detached garages, laundry rooms, closets and utility rooms shall be high efficacy.
§15000.11 Permanently installed low efficacy luminaires shall be allowed provided that they are controlled by a manual-on occupant sensor certified to comply with the applicable requirements of §119.

MANDATORY MEASURES SUMMARY: Residential (Page 2 of 3) MF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
List of mandatory measures including:
§15000.11 Permanently installed low efficacy luminaires in closets less than 70 square feet are not required to be controlled by a manual-on occupant sensor.
§15000.12 Luminaires increased into insulated ceilings shall be listed for zero-emittance insulation contact (R1) by Underwriters Laboratories or other nationally recognized testing laboratory and have a label that certifies the luminaire is airtight with air leakage less than 2.0 CFM @ 75 Pascals when tested in accordance with ASTM E2908, and be sealed with a gasket or caulk between the luminaire housing and ceiling.

MANDATORY MEASURES SUMMARY: Residential (Page 1 of 3) MF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
List of mandatory measures including:
§15000.12 Low-rise residential buildings subject to the Standards must comply with all applicable mandatory measures listed, regardless of the compliance approach used.
§15000.13 Water heating recirculation loops serving multiple dwelling units and High Rise residential occupancies meet the air release valve, backflow prevention, pump isolation valve, and recirculation flow connection requirements of §11501.6.

CERTIFICATE OF COMPLIANCE: Residential (Part 5 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
BUILDING ZONE INFORMATION table with columns: System Name, Zone Name, New, Existing, Aband, etc.
HVAC SYSTEMS table with columns: System Name, Qty, Heating Type, Min. Eff, etc.
HVAC DISTRIBUTION table with columns: System Name, Heating, Cooling, Duct Location, etc.
WATER HEATING SYSTEMS table with columns: System Name, Qty, Type, Distribution, etc.
MULTI-FAMILY WATER HEATING DETAILS table with columns: System Name, Heating, Cooling, Duct Location, etc.

CERTIFICATE OF COMPLIANCE: Residential (Part 4 of 5) CF-1R
Project Name: Union Ave Duplex
Building Type: Single Family
Date: 2/8/2014
OPAGUE SURFACE DETAILS table with columns: Surface, Area, U-Factor, Fenestration, etc.
FENESTRATION SURFACE DETAILS table with columns: ID, Type, Area, U-Factor, SHGC, etc.
EXTERIOR SHADING DETAILS table with columns: ID, Exterior Shade Type, SHGC, etc.

COUNTY OF SANTA CLARA
BUILDING INSPECTION OFFICE
PLANS APPROVED FOR PERMIT
SHEET NO. 18 OF 19 SHEETS
BY: [Signature] DATE: 6/2/14
PLANS MUST BE ON JOB FOR INSPECTIONS

FRI Energy Consultants, LLC
21 N. Harrison Avenue, Suite 210
Campbell, Ca. 95008
Phone: 408-866-1620 Fax: 408-866-6832
UNION AVE DUPLEX
T24-1

