

**Construction Details**  
(Per 2022 CBC Section 1603.1.1 to 1603.1.9, 1604, 1605, and all other sections of Chapter 16)

PROJECT INFORMATION		Climate Zone:	
Name:	DESIGNER - Will Chambers	Climate Zone:	12
Address:	279 Cimmaron, Folsom, CA	Ground Elevation (Per ATC):	379 FT
Description:	Remodel / Addition	Soil Bearing Capacity:	1,500 psf
		Roof Drains:	Designed to accommodate 2"/hr of Rain

**STANDARDS**

Allowable Soil Bearing Pressure	qa =	1,500	psf
Wood Grade (Unless Noted Otherwise)	Grade =	DF No.2	UNO
Rebar Grade (Yield Strength)	fy =	60,000	psi
Compressive Strength of Concrete	fc =	2,500	psi

**DESIGN LOADS**

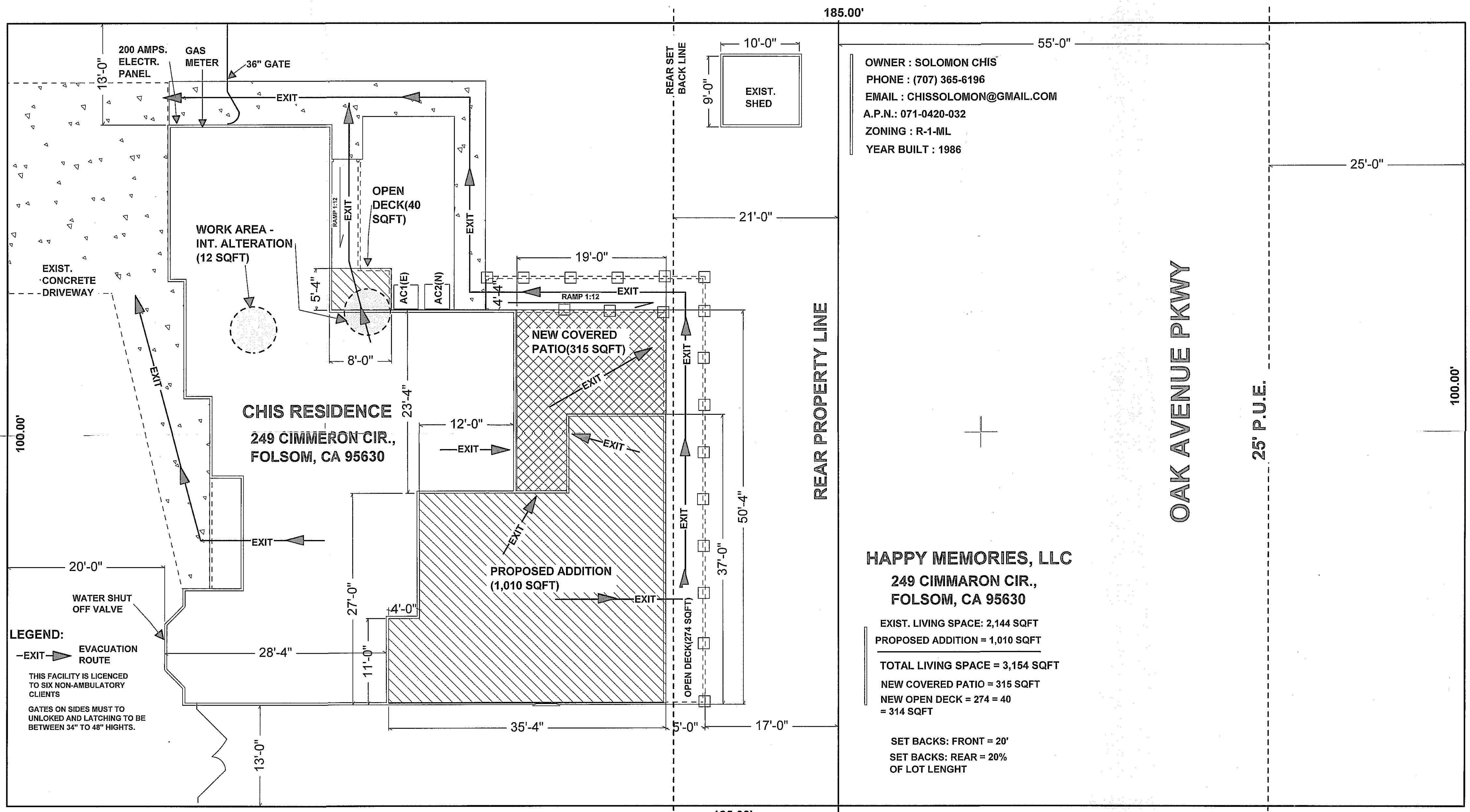
	DECK LL	INTERIOR LL	DL
Floor LL	60	40	15
Roof LL / DL	20	20	24
Ceiling LL / DL	10	5	
Snow LL			
Pg (Ground snow load)			
Pf (Flat-roof snow load)			
Ce (Snow exposure factor)			
Risk Category			
Is (Snow importance factor)			
Cs (Slope Factor)			
Ct (Thermal factor)			
i (Rain Intensity)			
Roof/Top Mounted Photovoltaic Panels			

**WIND DESIGN DATA**

Basic Design Wind Speed	Wsp =	94	mph
ASD Wind CBC 1609.1.1 Exceptions 4 & 5	Wasd =	72.8	mph
Risk Category	Risk =	II	
Surface Roughness Category	Surface =	C	
Exposure Category	Exp =	C	
Gcpi (Internal Pressure Coefficient)	Gcpi =	0.18	
Max Design Wind Pressure	P =	17.16	ft
H (Mean Roof Height)	H =	20.50	ft
RP (Roof Pitch)	RP =	5	:12

**EARTHQUAKE DESIGN DATA**

Seismic Isolated / Dampening System?	No	
Site Response Analysis required?	No	
Ground Motion Hazard Analysis required?	Yes	
I (Seismic Importance factor)	I =	1.0
Risk Category	Risk =	II
Ss (Spectral Response Acceleration, Short)	Ss =	0.5
S1 (Spectral Response Acceleration, Long)	S1 =	0.2
Soil Site Class (D per ASCE 7-22 11.4.3)	Site =	D
Fa (Site Coefficient)	Fa =	1.398
Fv (Long Period Site Coefficient)	Fv =	2.200
SDs (Spectral Response Coefficient, Short)	SDs =	0.520
SD1 (Spectral Response Coefficient, Long)	SD1 =	0.360
SDC (Seismic Design Category)	SDC =	D
Basic Seismic Force Resisting System	Type =	Light Frame Wood
Design Base Shear	Vs =	0.073
Cs (Seismic response coefficient)	Cs =	0.073
R (Response modification factor)	R =	6.5
Analysis Procedure (Simplified/Equivalent)	Type =	Equivalent Lateral
Long-Period Transition Period, TL	TL =	16
Detached One or Two Family Dwelling?	1/2 =	no
Project Exempt from Seismic Analysis?	Exempt =	No
Number of Stories	# Stories =	1



**SCOPE OF WORK :**

PROPOSED 1,010 SQF LIVING SPACE ADDITION	1	PLOT PLAN
EXIST. CARE HOME FACILITY UP TO SIX NON-AMBULATORY CLIENTS - CHAGE THE OWNERSHIP	2	FOUNDATION PLAN
PROPOSED NEW COVERED PATIO = 315 SQFT	3	FLOOR PLAN
POPOSED NEW OPEN DECK 314 SQFT	4	ELECTRICAL PLAN
	5	ROOF PLAN
	6	MECHANICAL & PLUMBING PLAN
	7	ELEVATION PLAN
	8	STRUCTURAL SD-1A
	9	STRUCTURAL SD-BA
	10	STRUCTURAL SD-2
	11	CALGREEN1
	12	CALGREEN2
	13	T24- 1
	14	T24- 2
	15	T24- 3

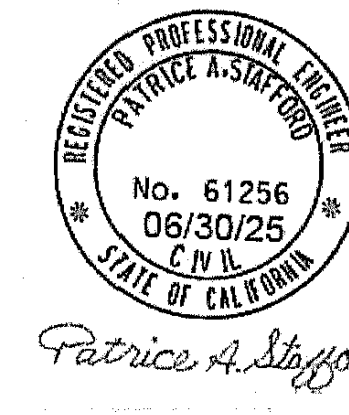
**SEISMIC ZONE C, EXPOSURE B, 85 MPH WIND SPEED AND CLIMATE ZONE 12**

**THE FACILITY IS TO BE LICENCED TO 6 NON-AMBULATORY CLIENTS - ONLY ONE BUSINESS LICENCE OWNER**

**RESTRAINT SHALL NOT BE PRACTICED IN THIS FACILITY. (CRC T335.2.1)**

**CONSTRUCTION TYPE V-B, EXIST. R-1.1, PROPOSED R-1.1, NON SPRINKLERED (R225.5.1)(2)**

**SEISMIC ZONE C, EXPOSURE B, 85 MPH WIND SPEED AND CLIMATE ZONE 12**

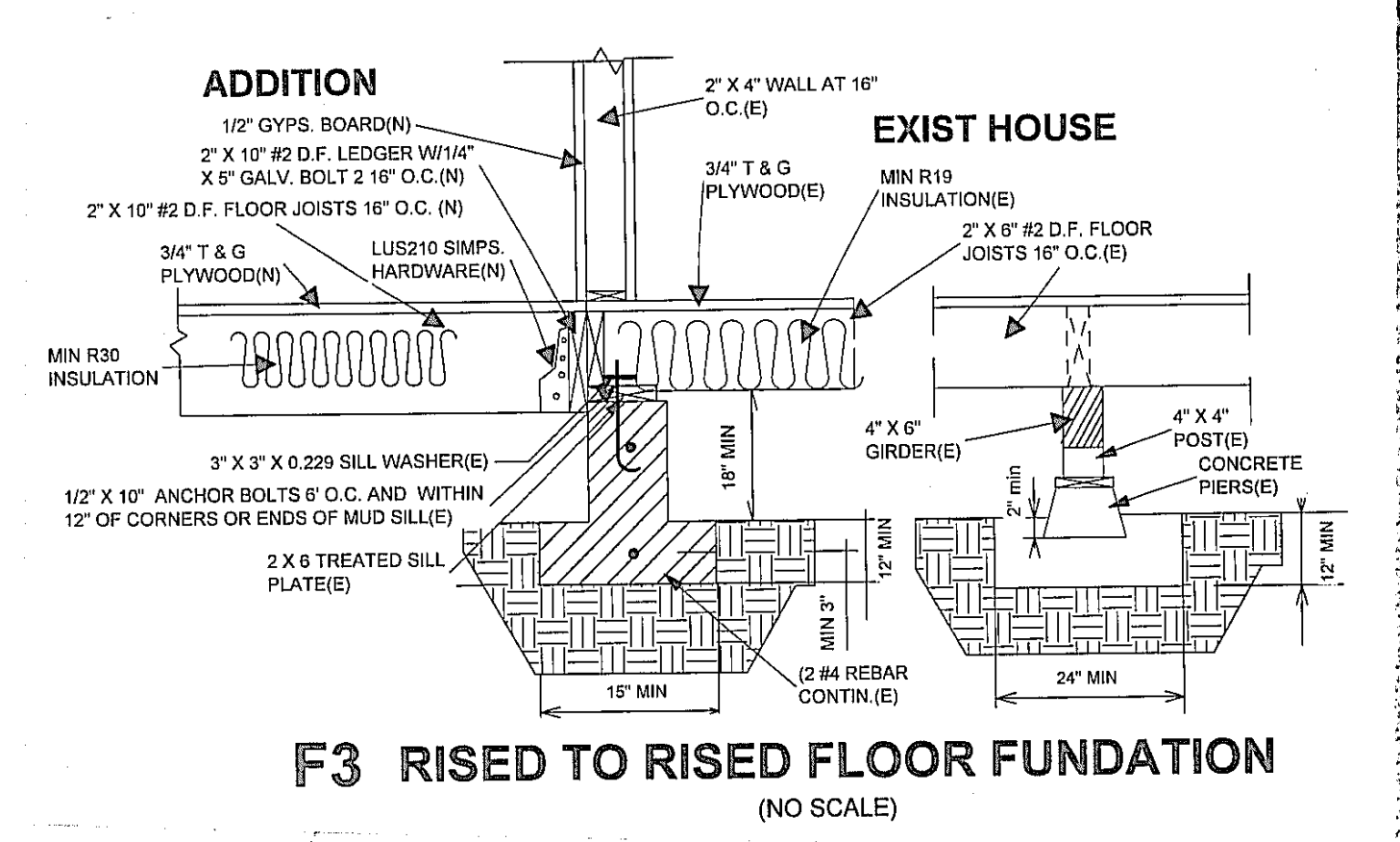
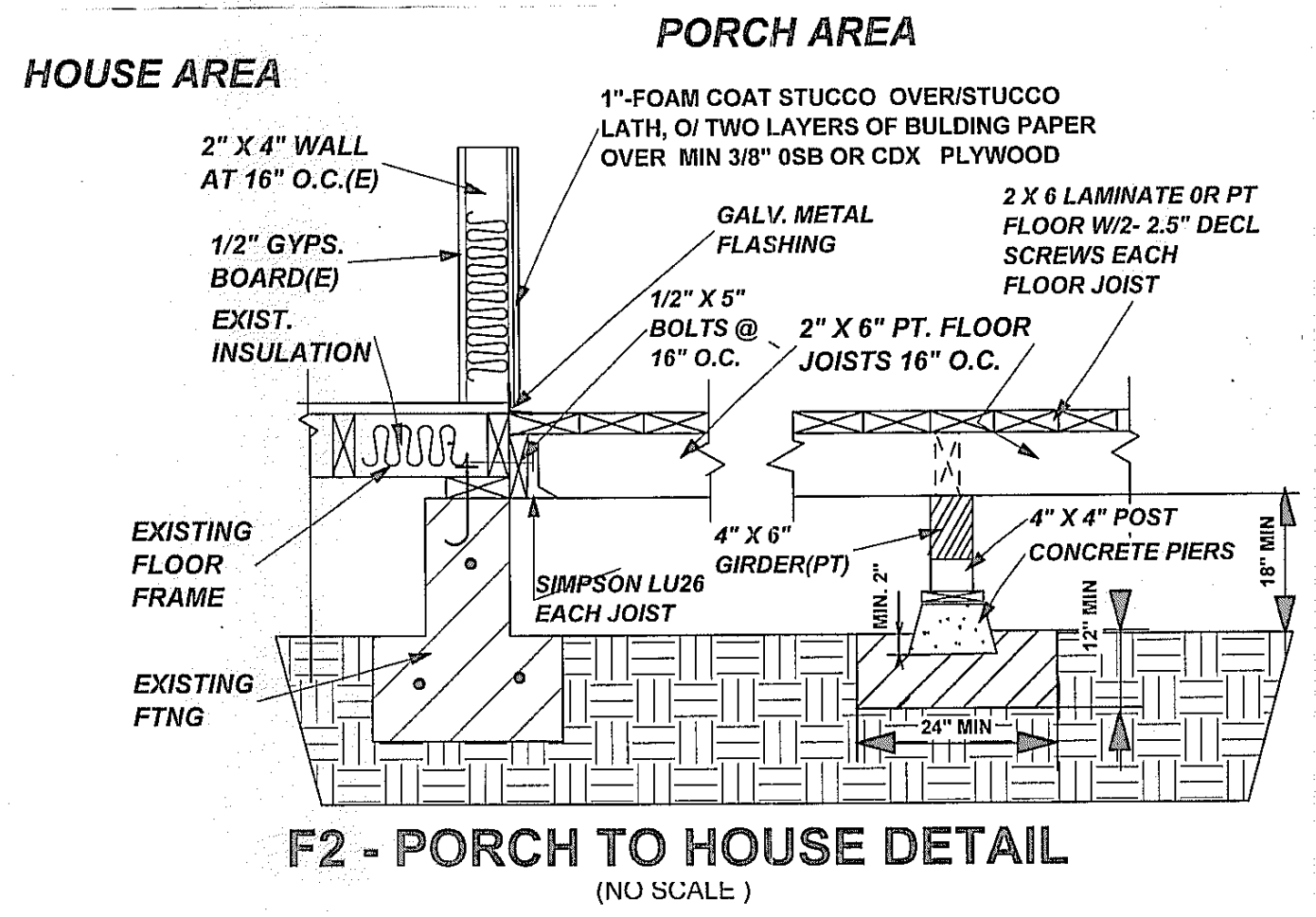
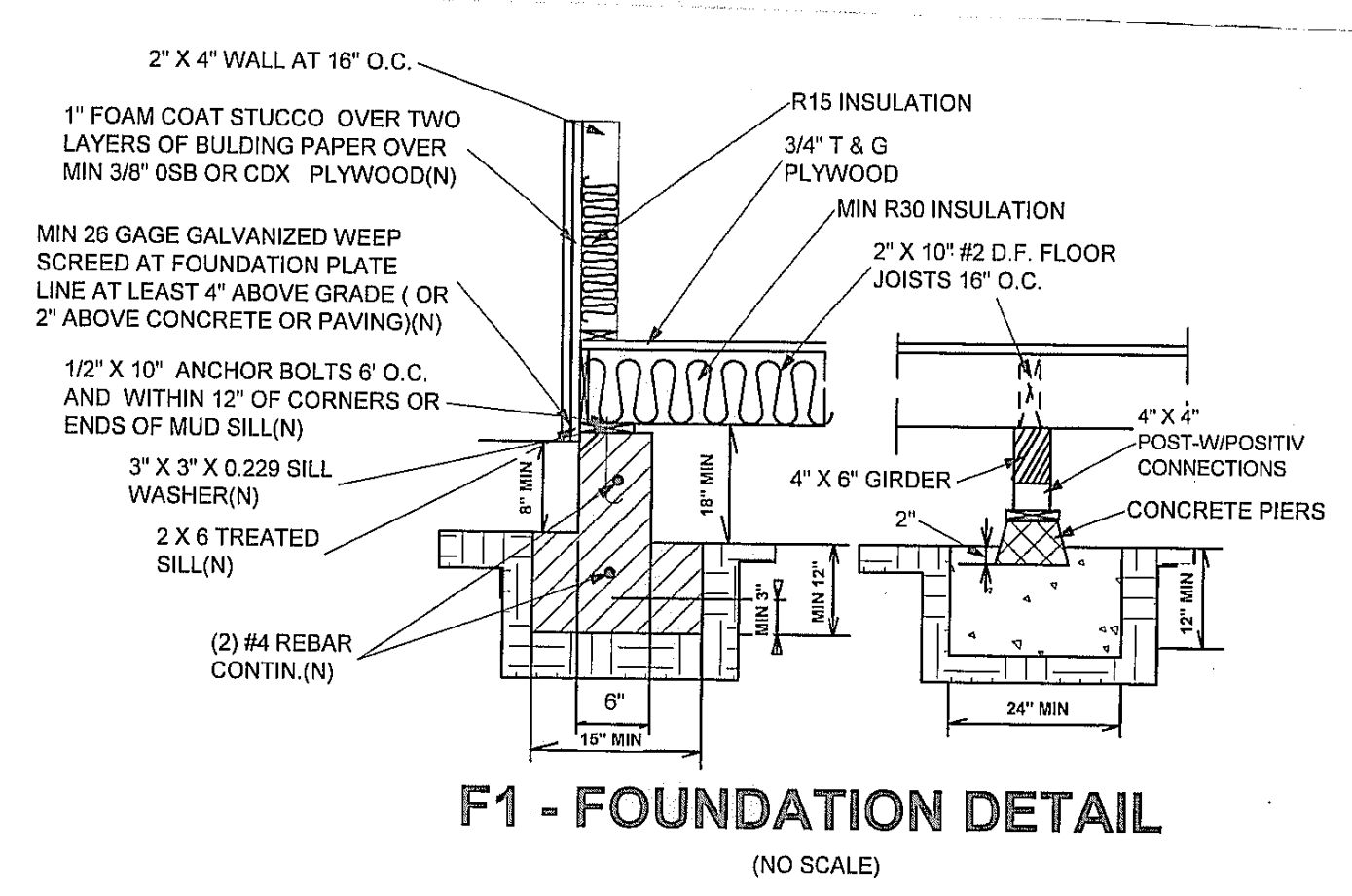


THE 2022 C.R.C., C.M.C., C.P.C., 2022 C.E.C., 2022 T24, 2022 CFC AND ALL RELATED NFPA STANDARDS, 2022 CALGREEN BUILDING CODE STANDARDS, OCCUPANCY GROUP DIVISION BUILDING USE, PARCEL NO., AND CONSTRUCTION TYPE AS AMENDED BY STATE OF CALIFORNIA AND LOCAL JURISDICTION ARE APPLICABLE TO THIS PROJECT.

DATE: 10/22/24

**HAPPY MEMORIES II, LLC - ADDITION**  
 PHONE : (707) 365-6196

SCALE: 1/8" = 1' - 0"	OWNER SIGNATURE	DRAWN BY: JOHN RADU
DATE: 10/22/24		PHONE #: (916) 425-1067
<b>ADDRESS : 249 CIMMARON CIR., FOLSOM, CA 95630</b>		
<b>PLOT PLAN</b>		<b>DRAWING NUMBER</b>
		<b>1 OF 14</b>



**LEGEND:**

EXIST. FOOTING  
NEW FOOTING

RISED FLOOR FOUNDATION (E & N)

REPRESENTS HOLDOWN PER BRACE WALL SCHEDULE

REPRESENTS 5.5" X 14" UNDERFLOOR VENTS

**UNDERFLOOR VENTING CALCULATION:**

- 1,010 SQFT 21-150 = 7 SQFT DIRECT VENT

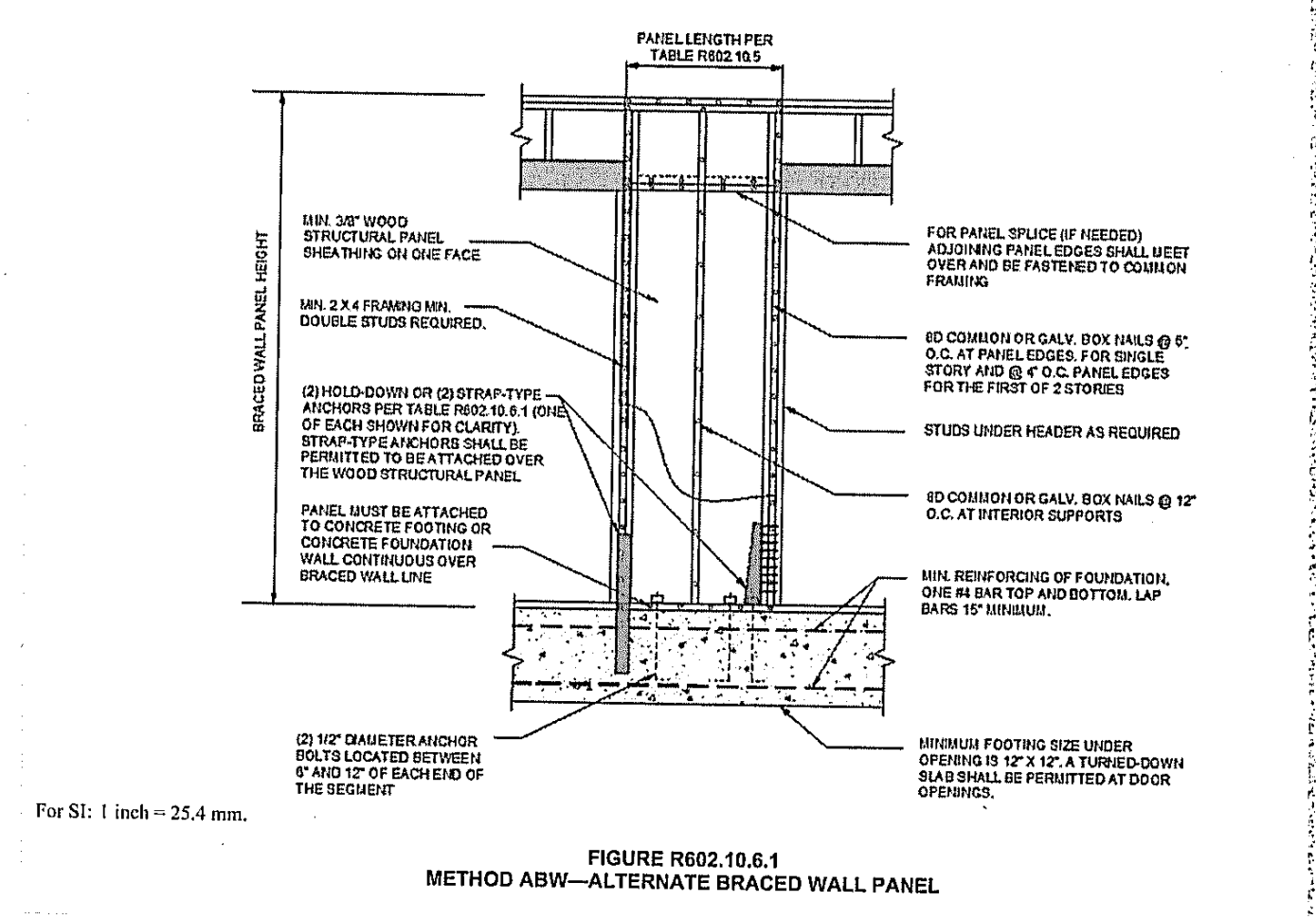
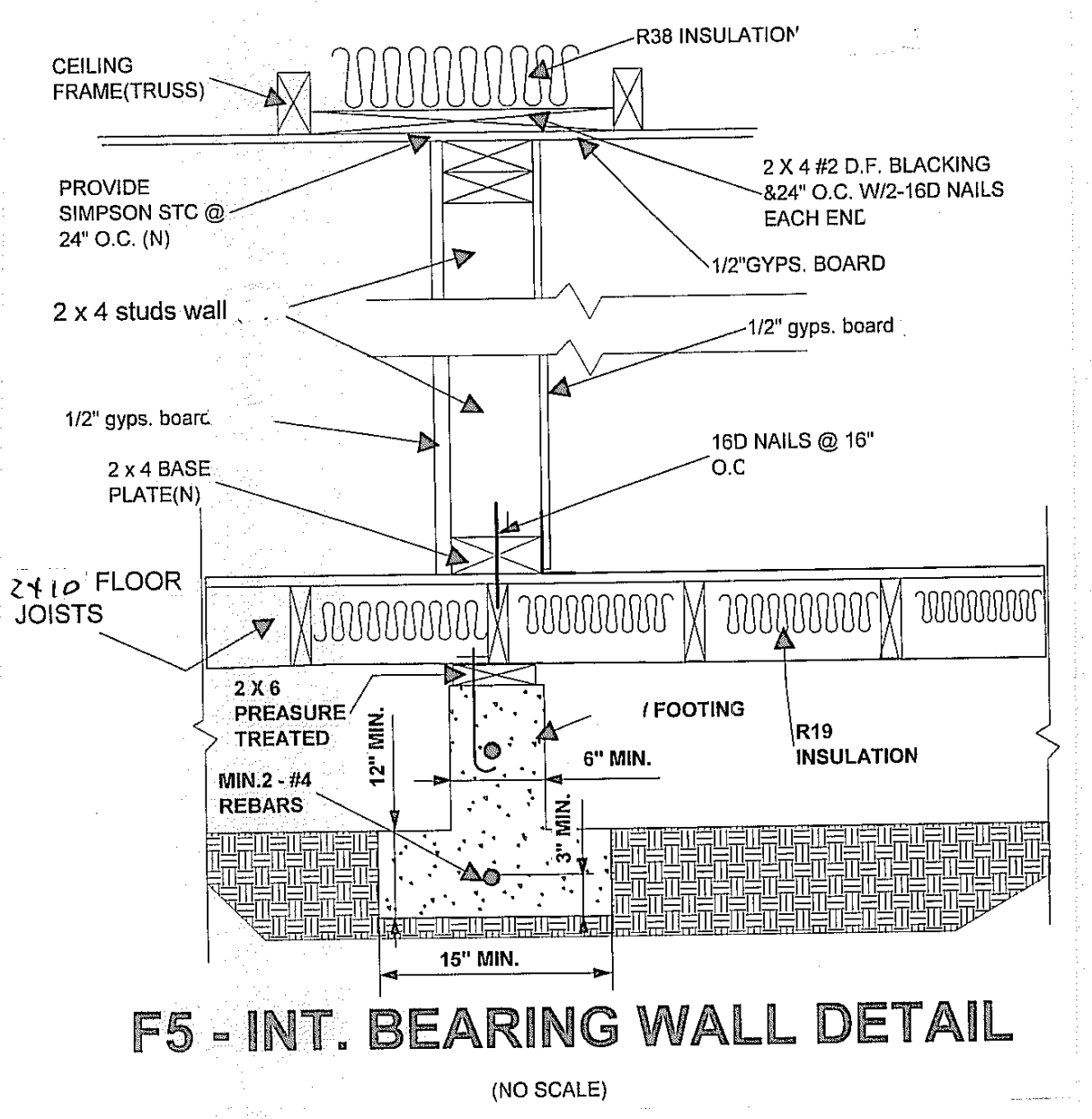
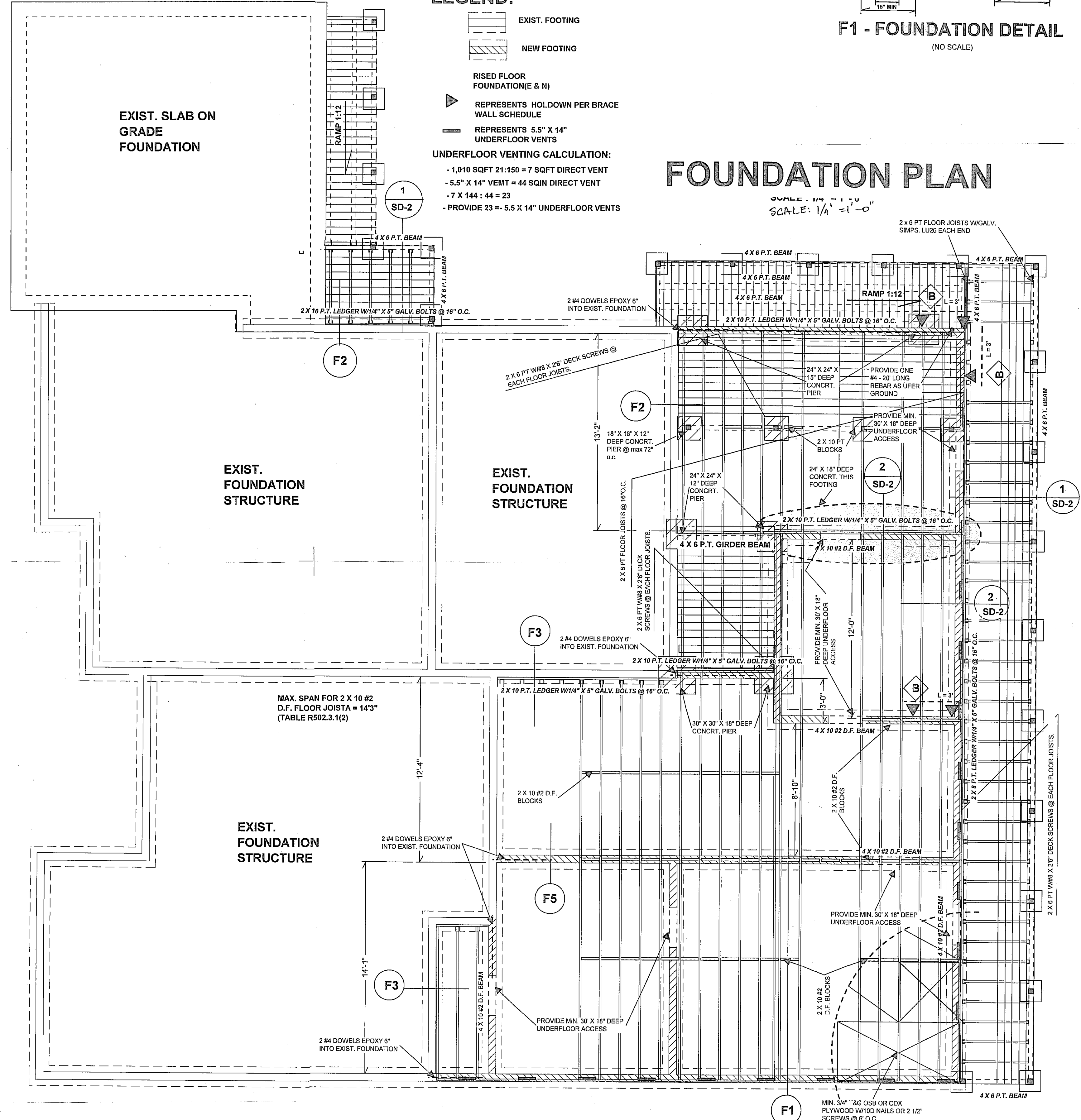
- 5.5" X 14" VENT = 44 SQIN DIRECT VENT

- 7 X 144 = 44 = 23

- PROVIDE 23 = 5.5 X 14" UNDERFLOOR VENTS

# FOUNDATION PLAN

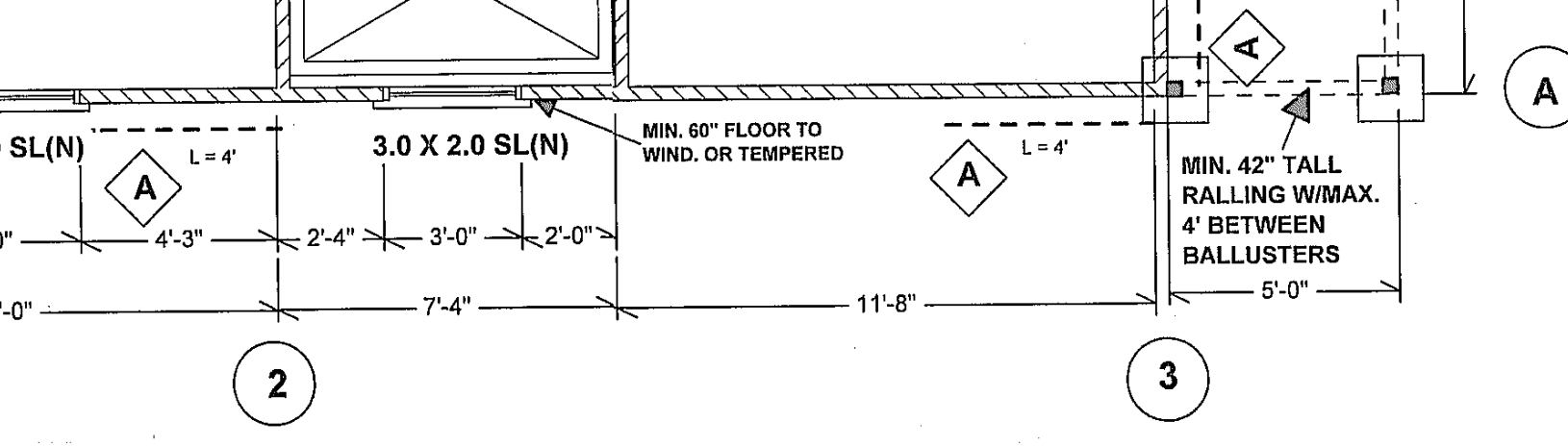
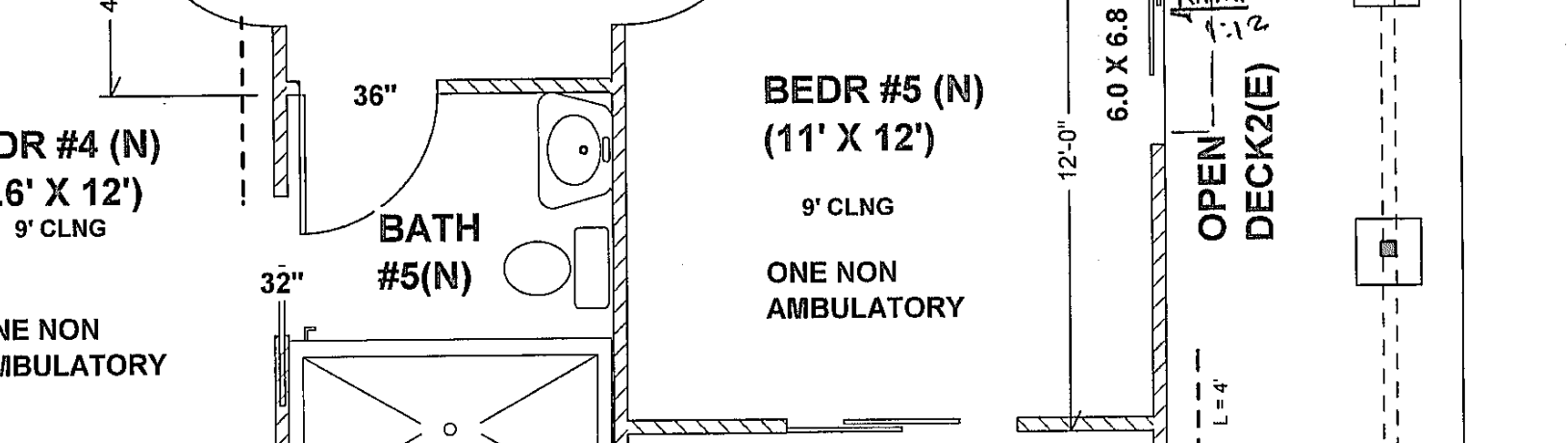
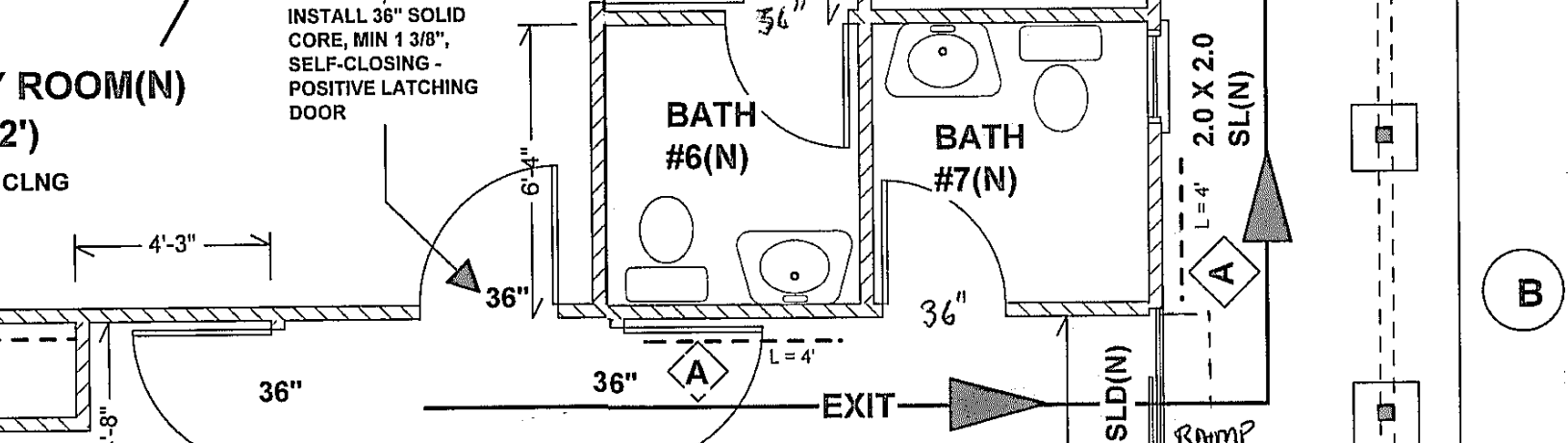
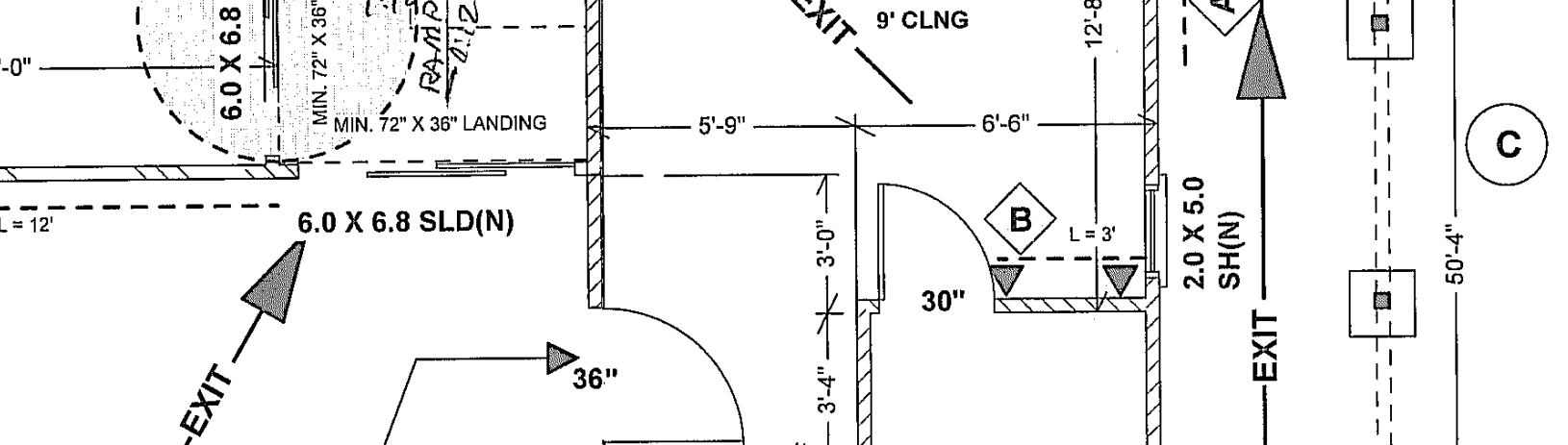
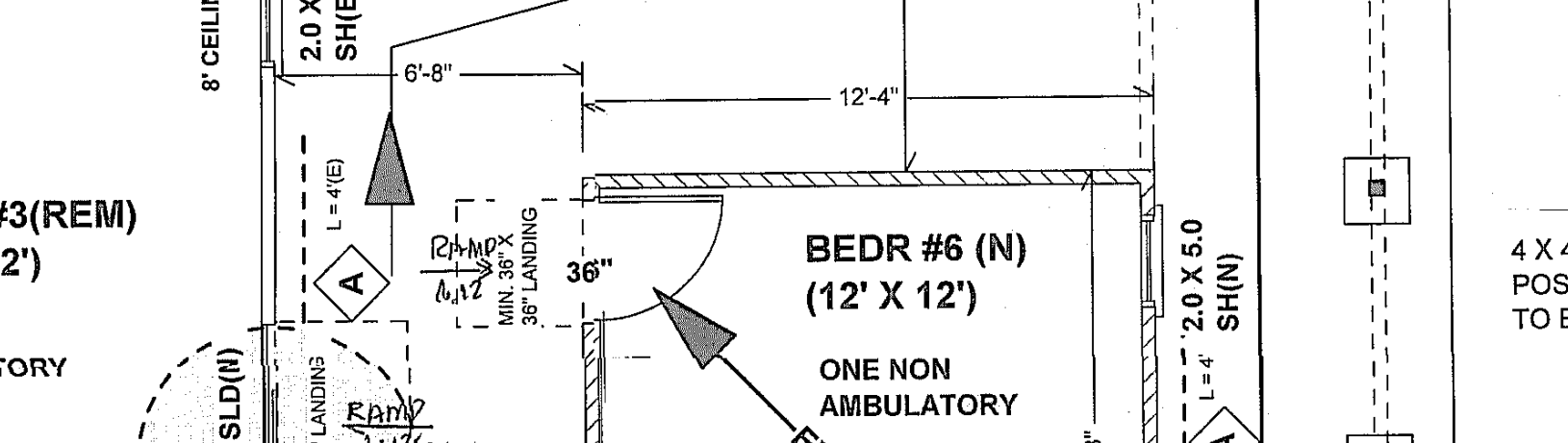
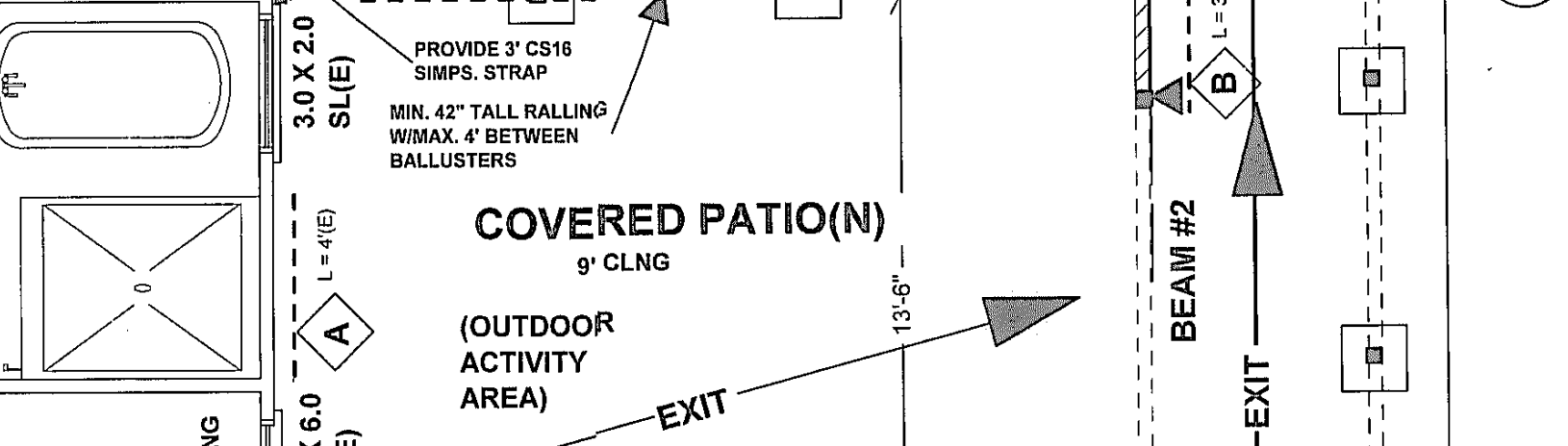
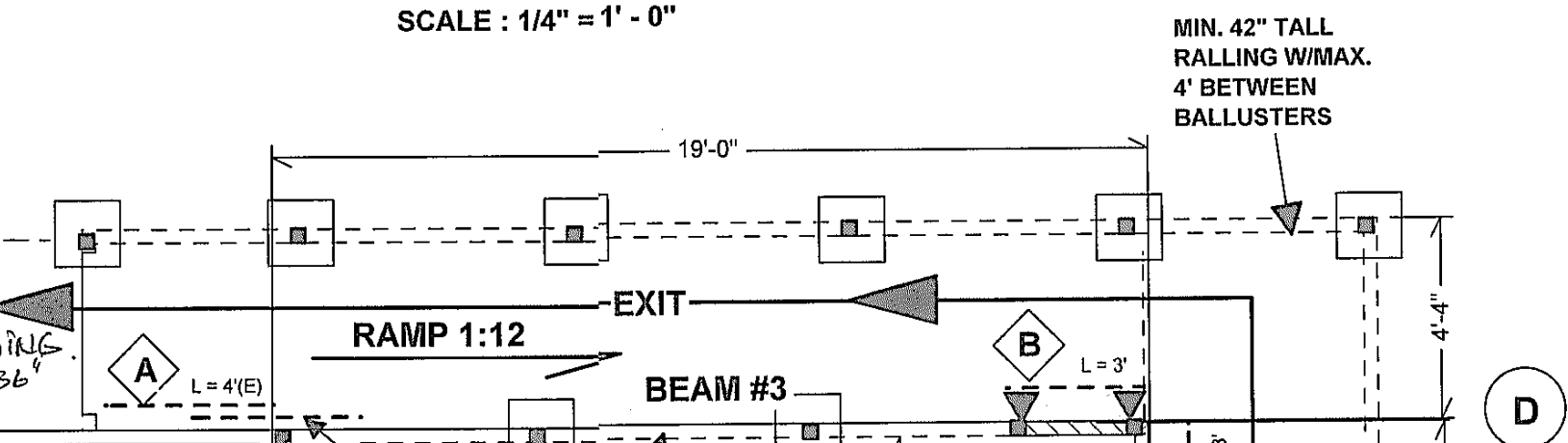
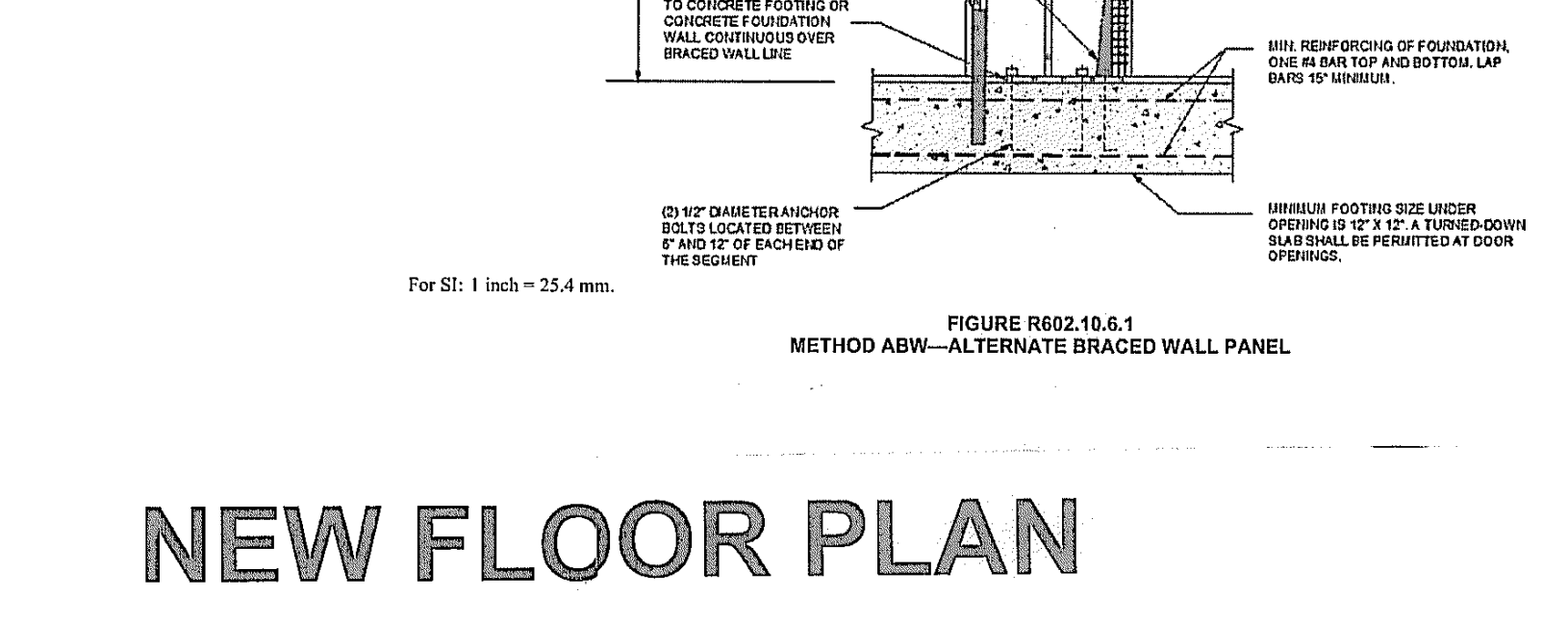
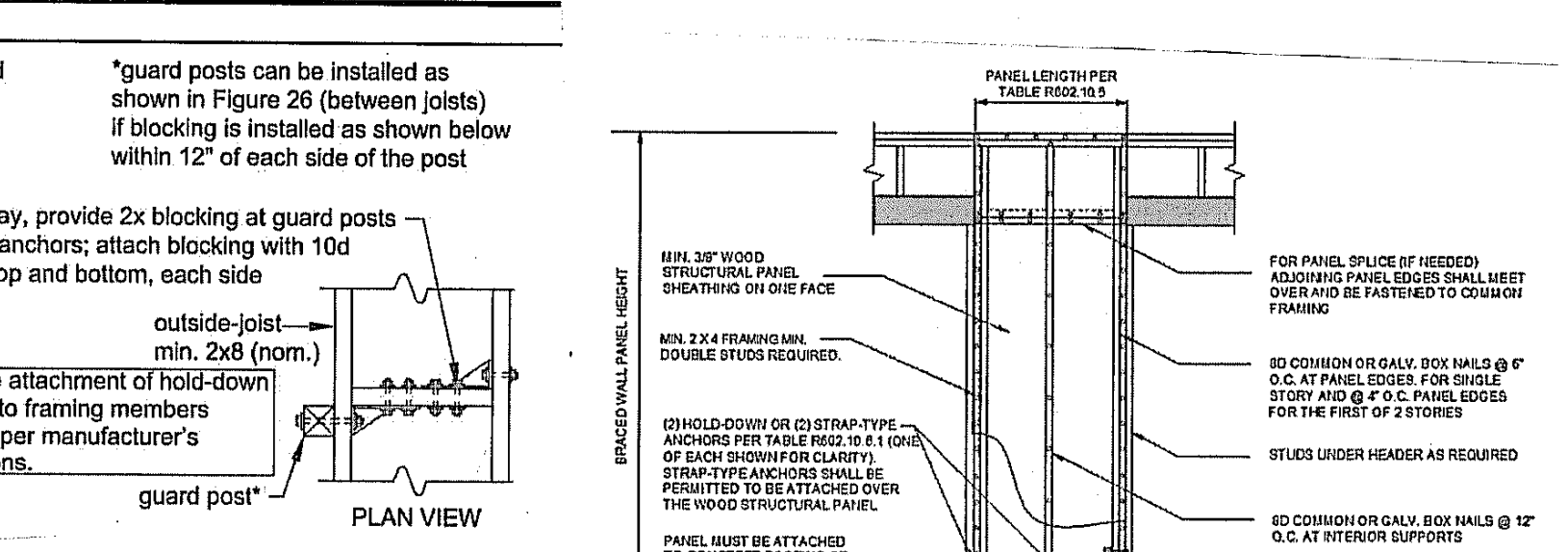
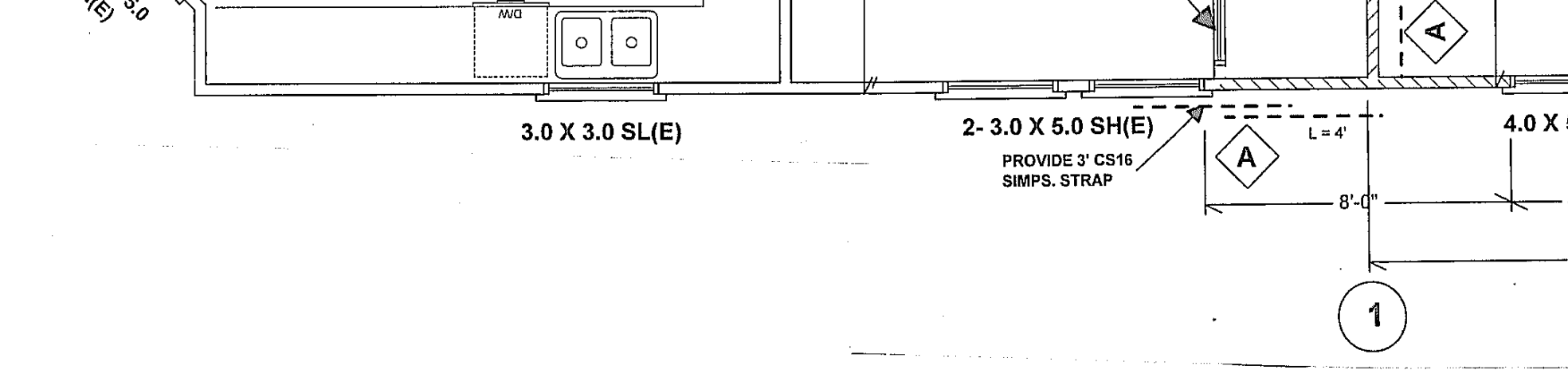
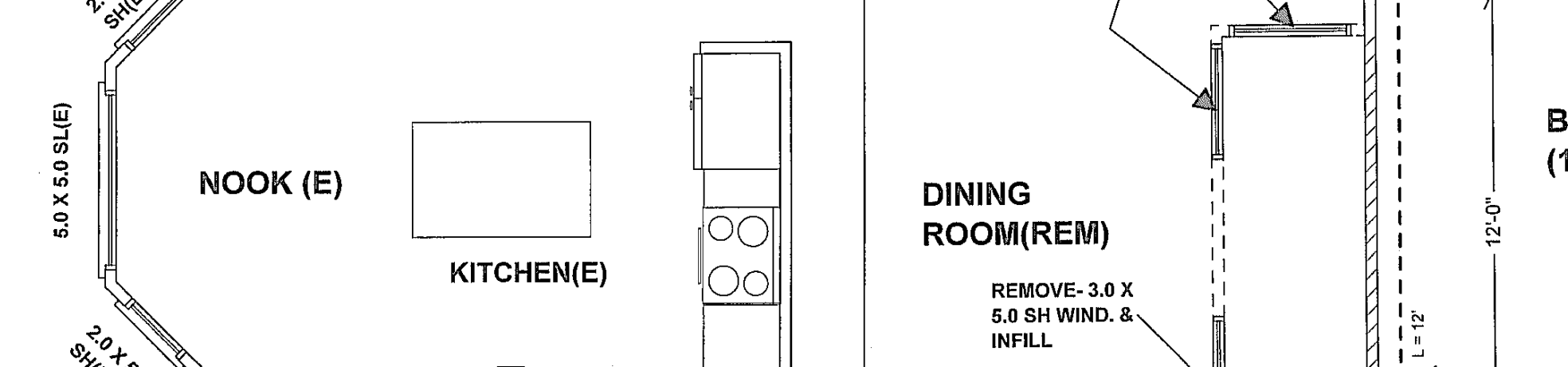
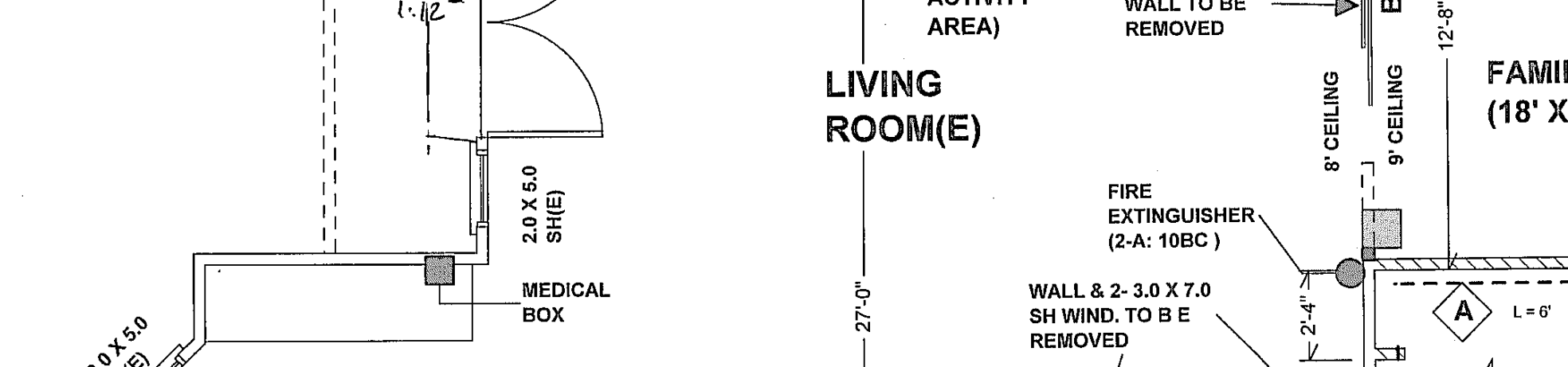
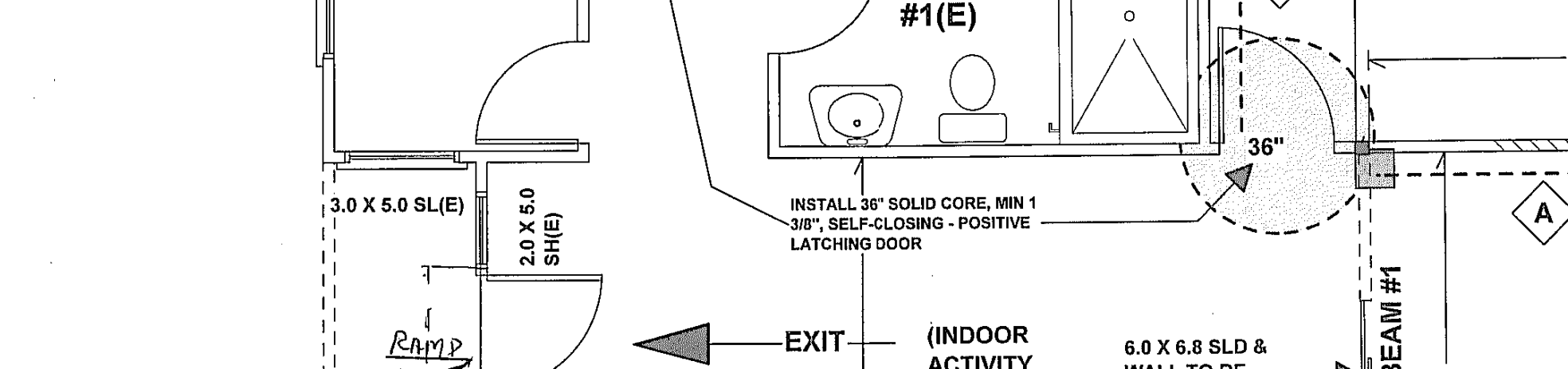
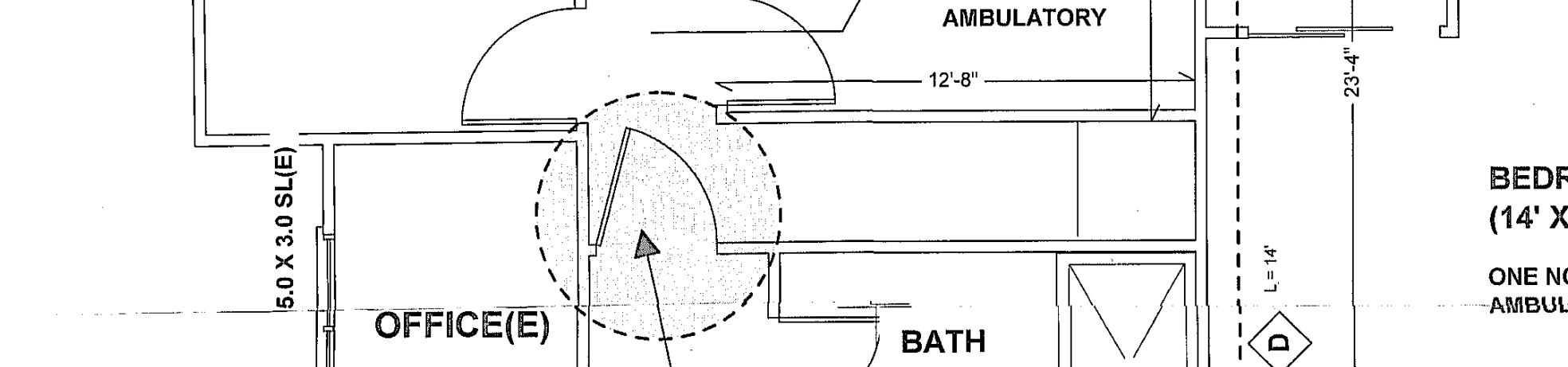
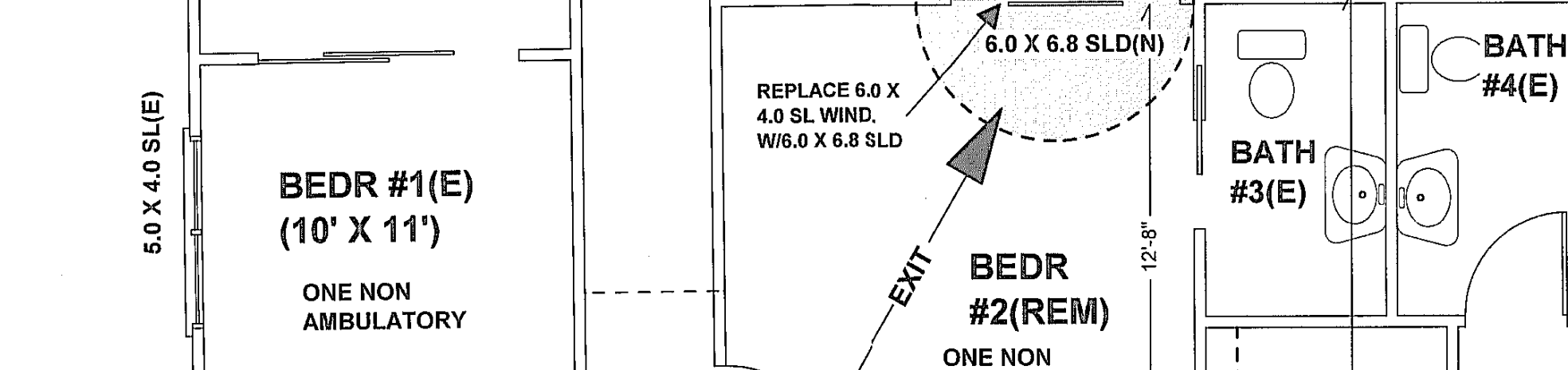
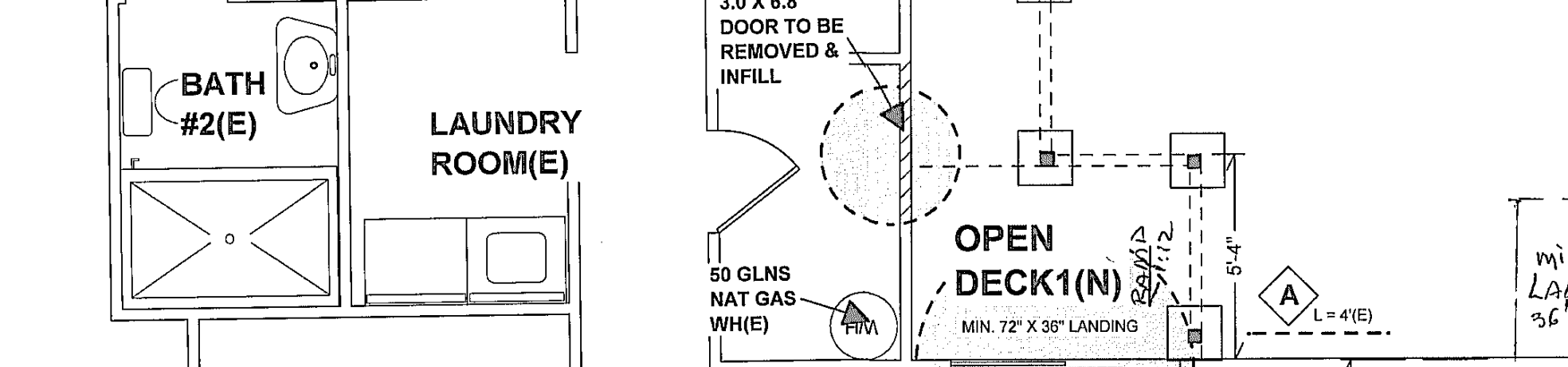
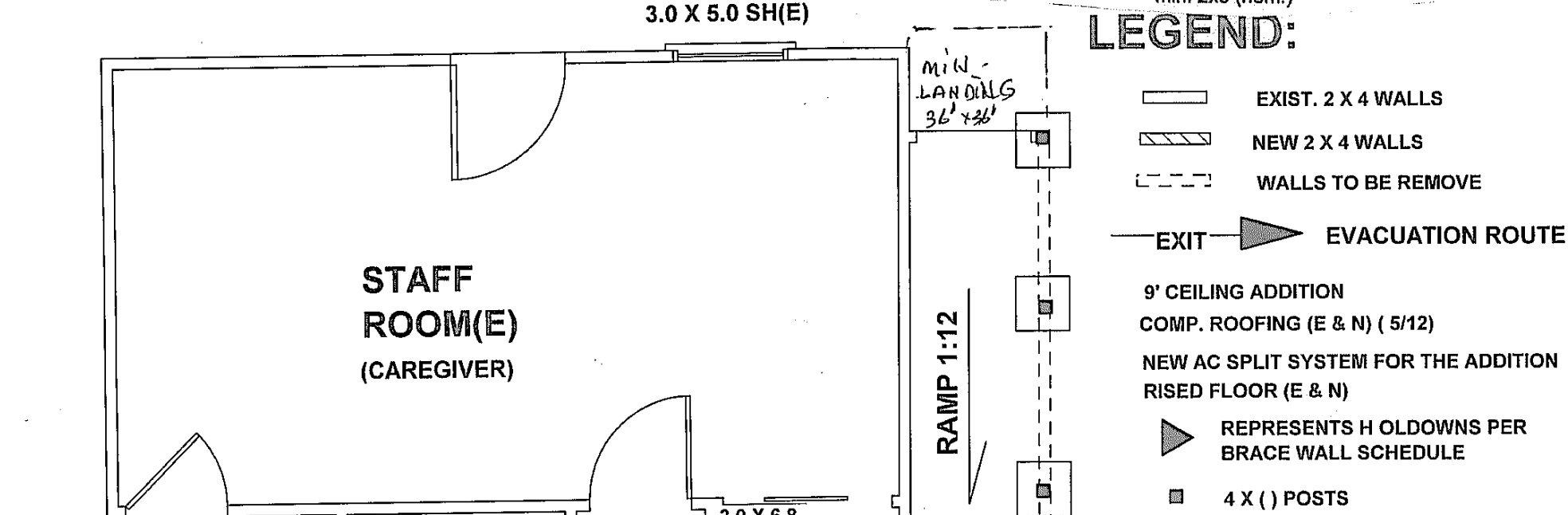
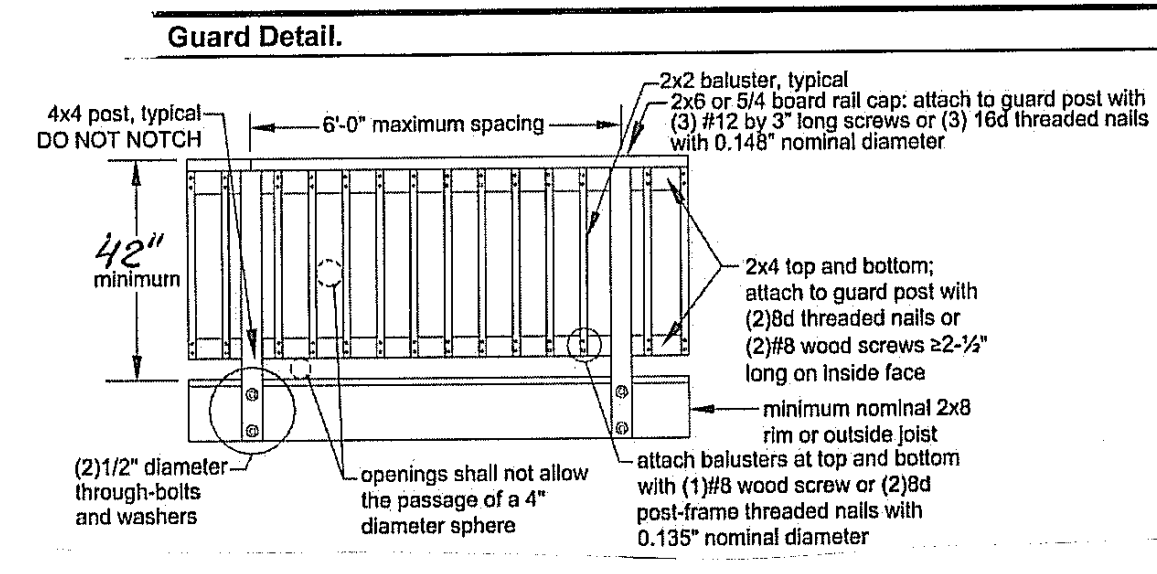
SCALE: 1/4" = 1'-0"



**BRACEWALL SCHEDULE - WSP METHOD**

TYPE	MIK	SHEATHING	NAILING	ANCHOR BOLTS	HOLDOWN
BRACE WALL PANELS (PLYWOOD)	A	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX) OR 5/8" T1-11 EXT. SIDING OR 3-COAT STUCCO	6D @ 6" O.C. ON EDGE, 12" O.C. IN FIELD, BLOCK ALL EDGES	MIN. 1/2" DIA. X 16" @ 48" OC. WHERE FOOTING	N/A 32" CS16
ALTERNATE BRACE WALL PANELS	B	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX) OR 5/8" T1-11 EXT. SIDING	6D @ 6" O.C. ON EDGE, 12" O.C. IN FIELD, BLOCK ALL EDGES	5/8" DIA X 12" @ 12" OC	HDU2 WS2T816
PORTAL FRAME W/ HOLD DOWNS	C	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX)	6D @ 6" O.C. ON ALL FRAMING (STUDS, BLOCKING, AND SILLS)	ONE 5/8" DIAMETER	STH14 OR STH14R (RIM JOIST)
BRACE WALL PANELS (GYPS. BOARD)	D	MIN. 1/2" GYPS. BOARD	5D COOLER NAILS @ 7" O.C. - BLOCK ALL EDGES	N/A	N/A
SHEAR WALL	SW	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX)	6D @ 6" O.C. ON ALL FRAMING (STUDS, BLOCKING, AND SILLS)	SIMPSON SSTD16	HTT6 MST46C

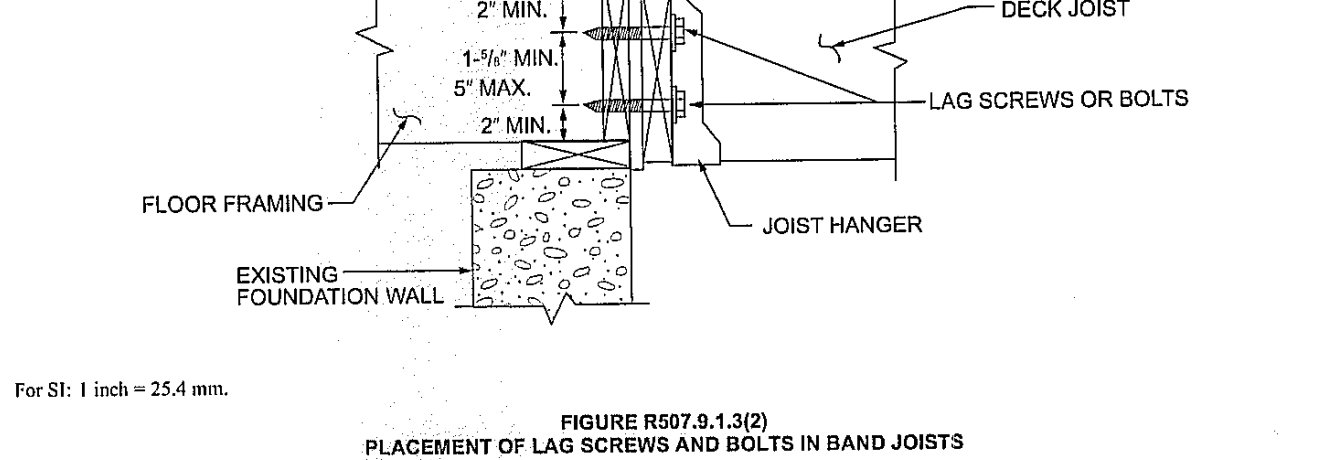
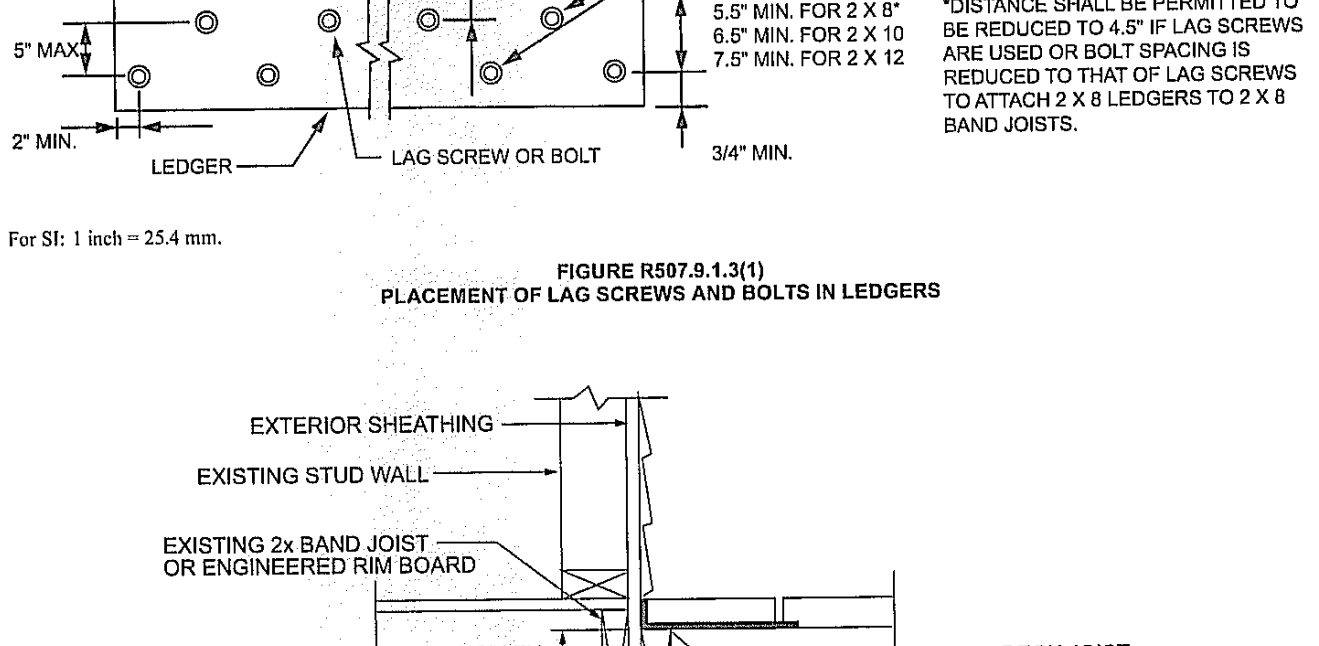
- NAILS AT BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACE WALL PANEL : 3-16d (3 1/2" X 0.135")



**TABLE R507.9.1.3(2) PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND BAND JOISTS**

Lag Screws	MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS		ENDS	ROW SPACING
	TOP EDGE	BOTTOM EDGE		
2 inches <sup>a</sup>	2 inches <sup>a</sup>	2 inches <sup>a</sup>	2 inches <sup>a</sup>	1 1/2 inches <sup>b</sup>
3 inches <sup>a</sup>	2 inches <sup>a</sup>	2 inches <sup>a</sup>	2 inches <sup>a</sup>	1 1/2 inches <sup>b</sup>

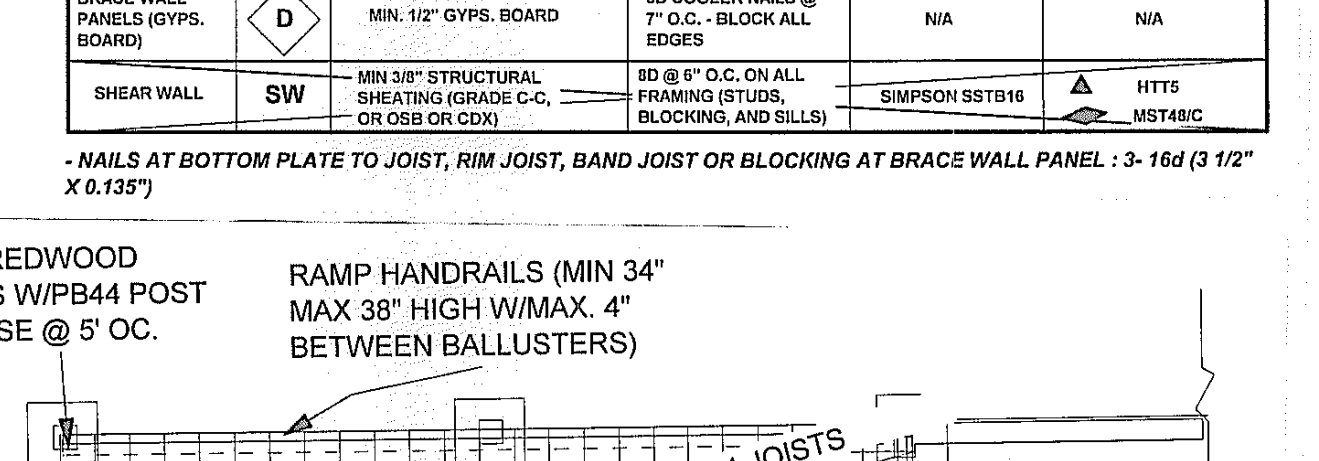
For S1: 1 inch = 25.4 mm.  
 a. Lag screws or bolts shall be staggered from the top to the bottom along the horizontal run of the deck ledger in accordance with Figure R507.9.1.3(1).  
 b. Maximum 5 inches.  
 c. For engineered rim joists, the manufacturer's recommendations shall govern.  
 d. The minimum distance from bottom row of lag screws or bolts to the top edge of the ledger shall be in accordance with Figure R507.9.1.3(1).



**BRACEWALL SCHEDULE - WSP METHOD**

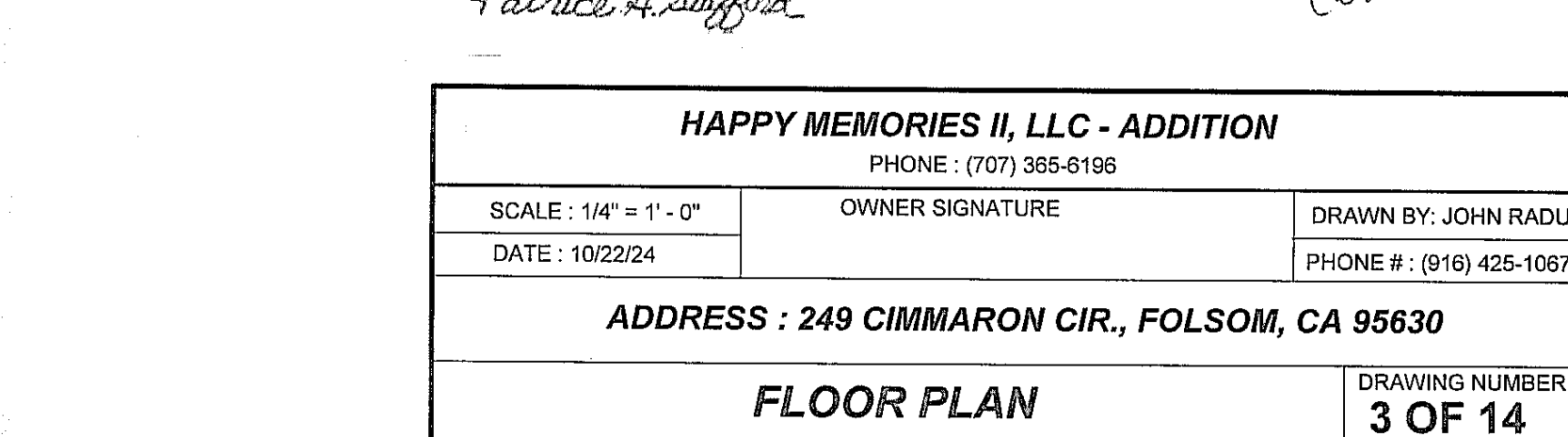
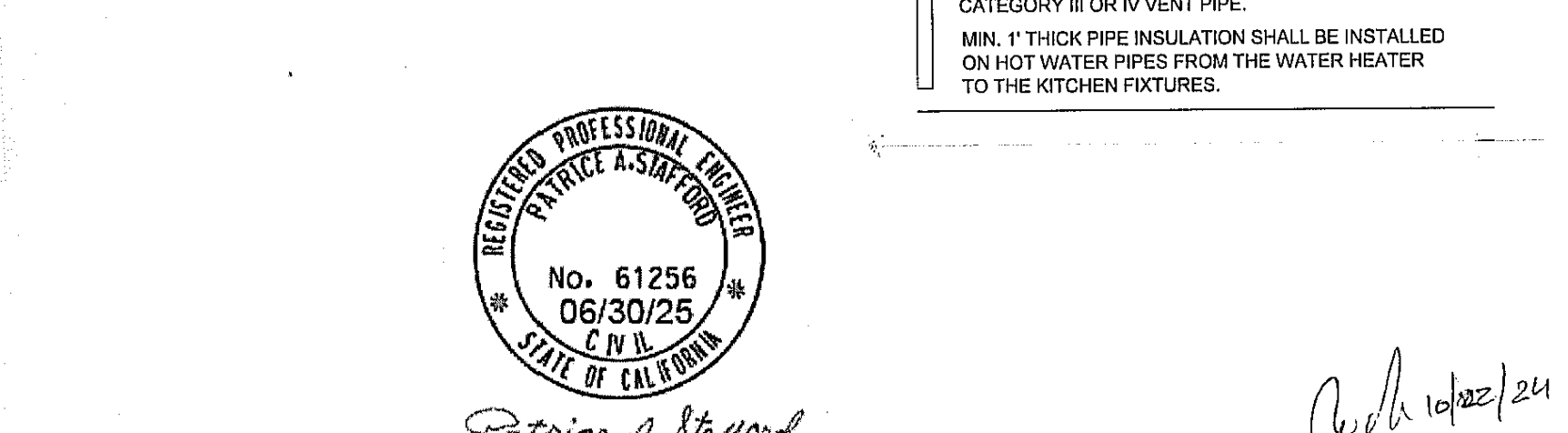
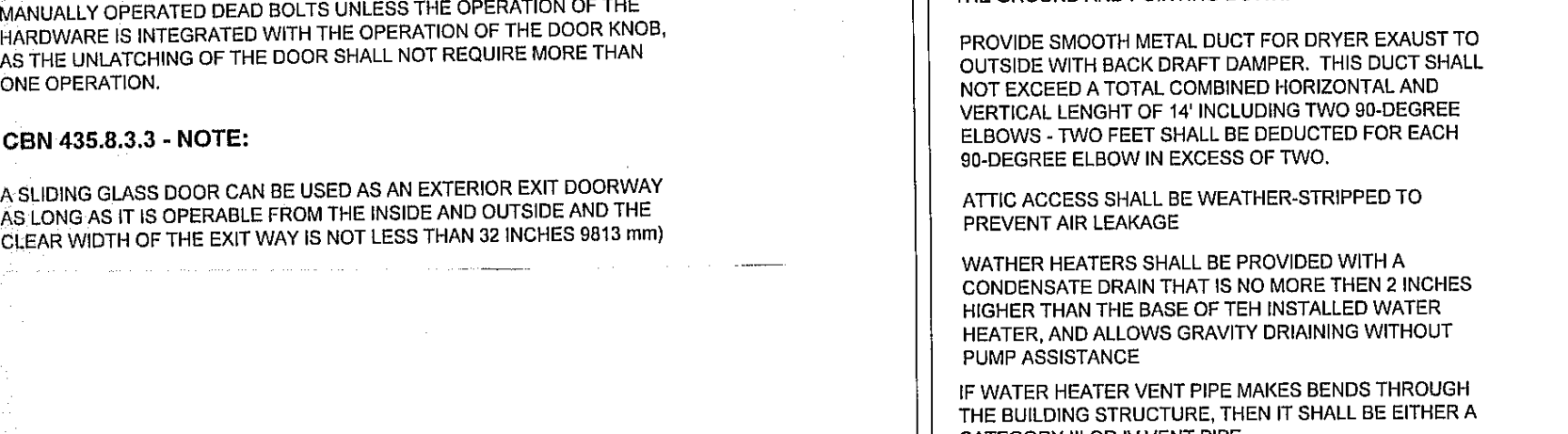
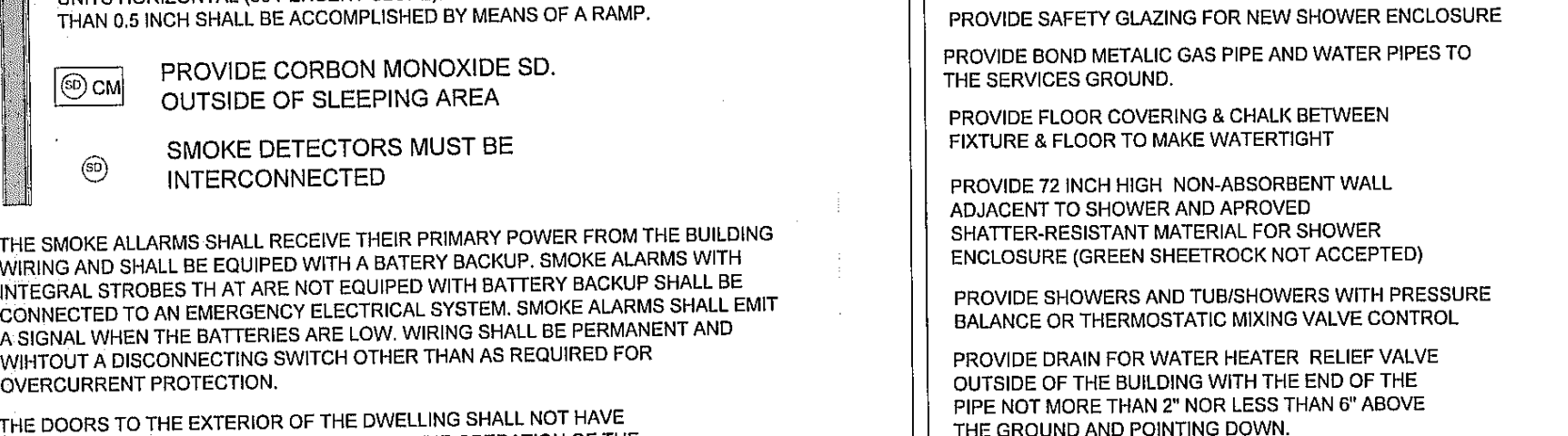
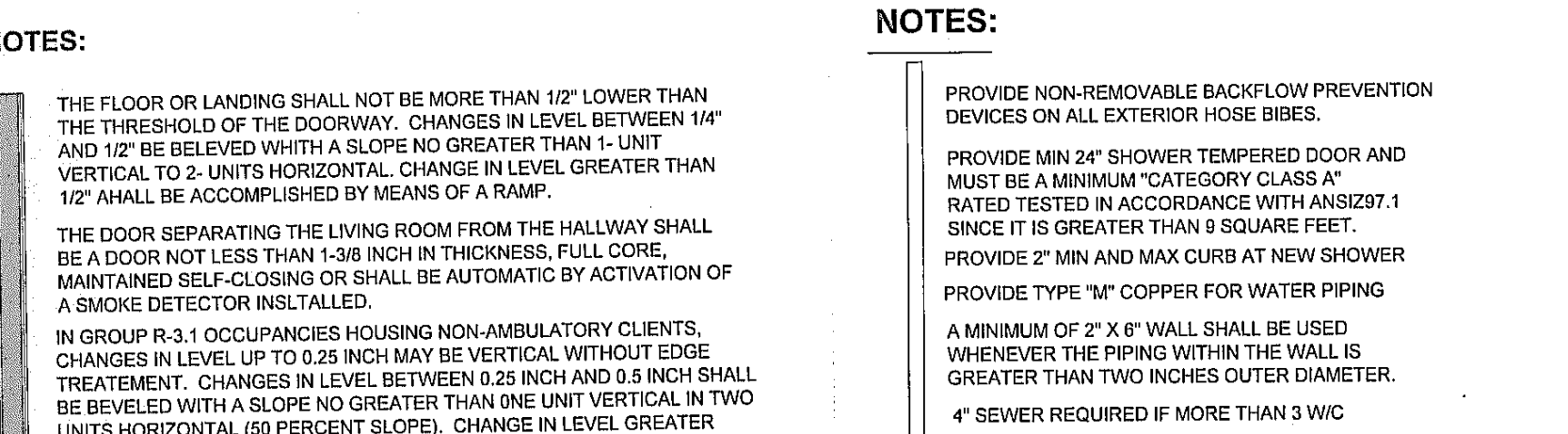
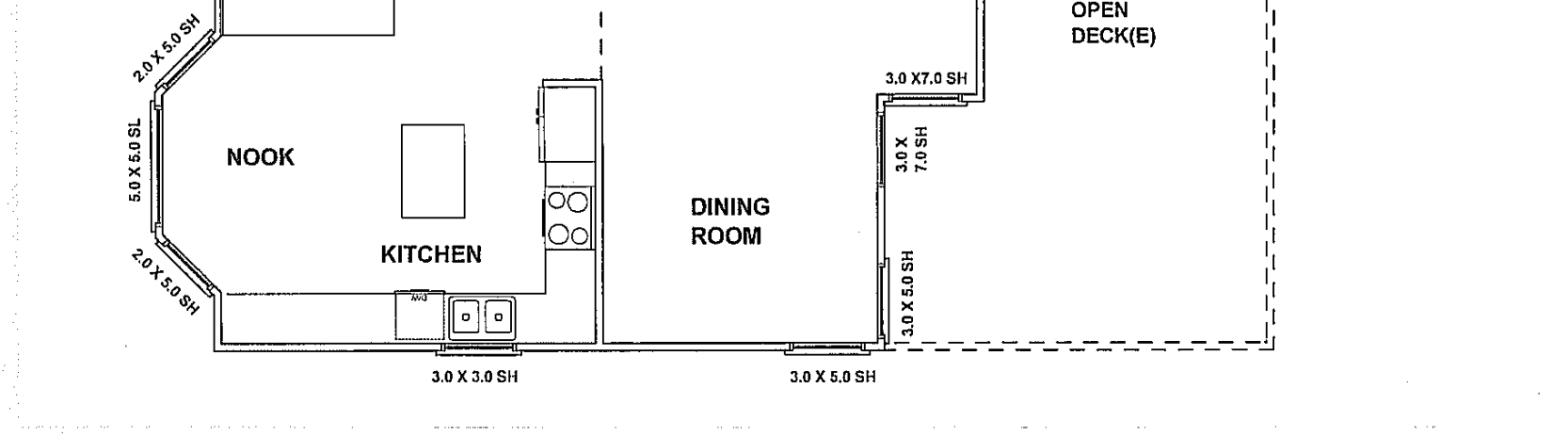
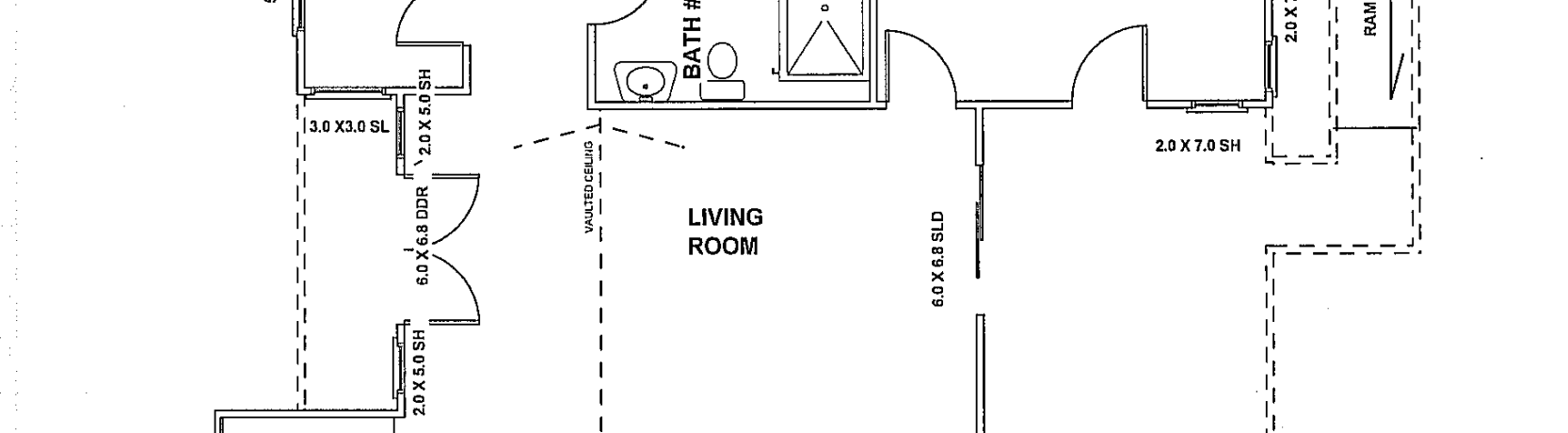
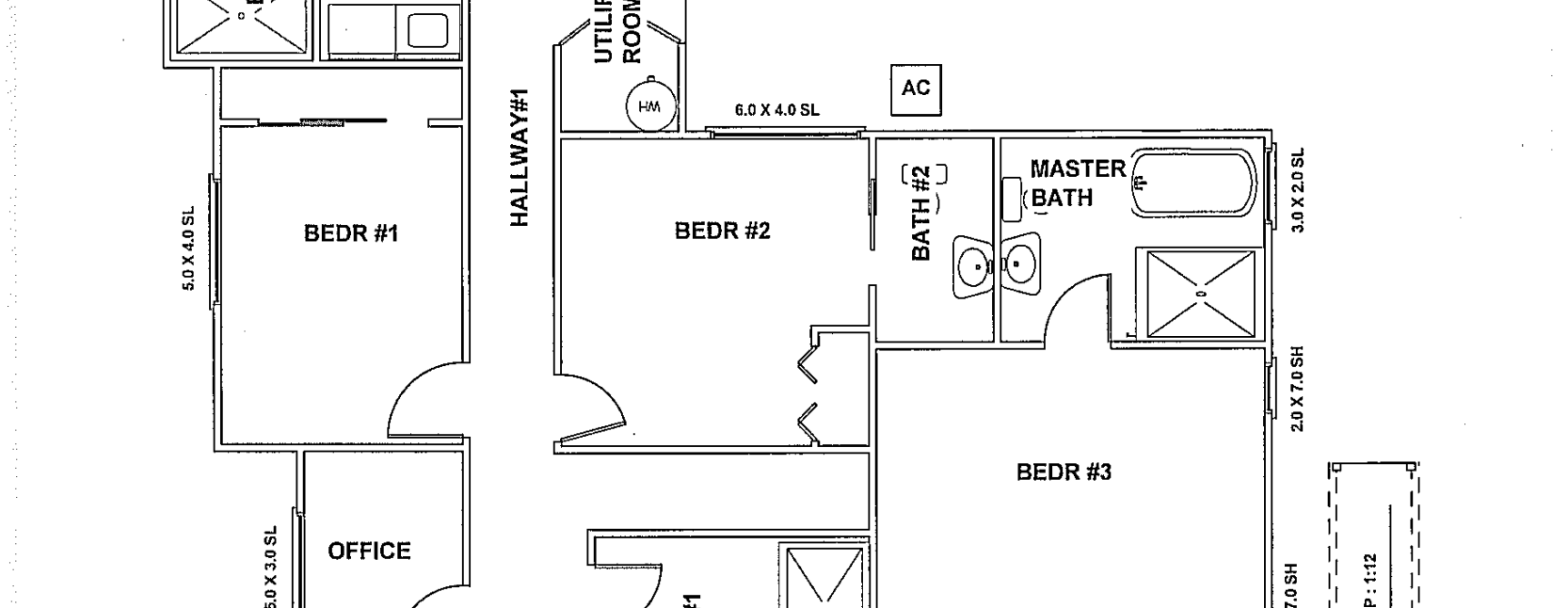
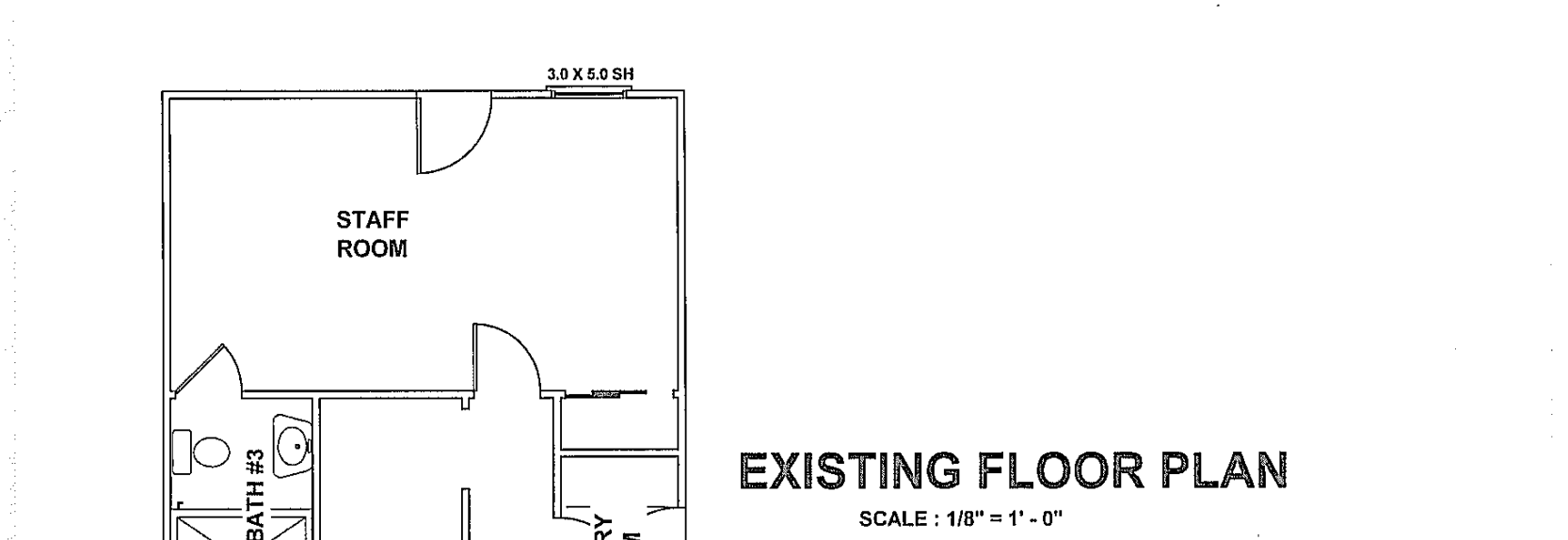
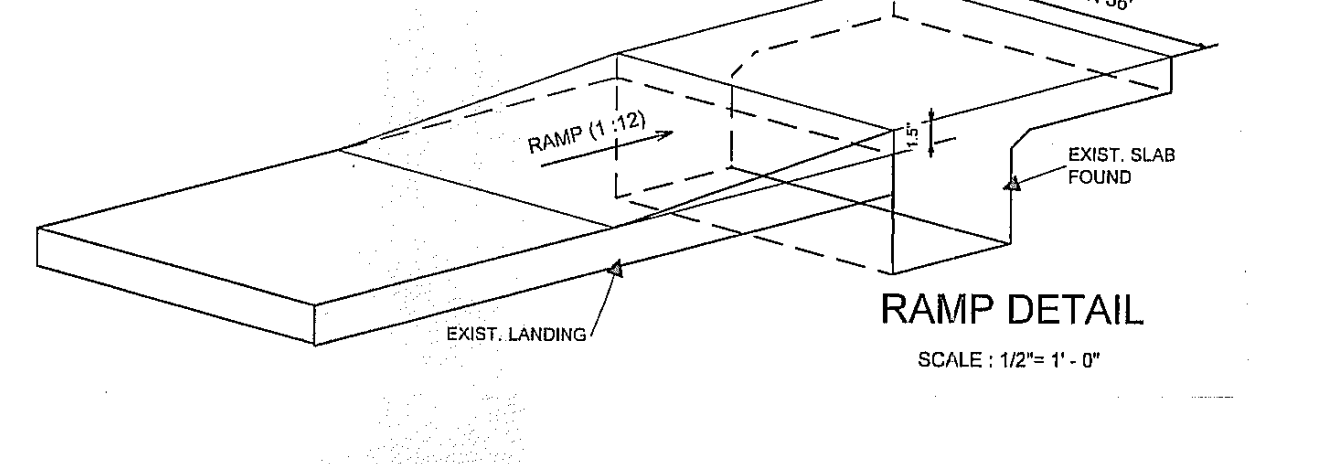
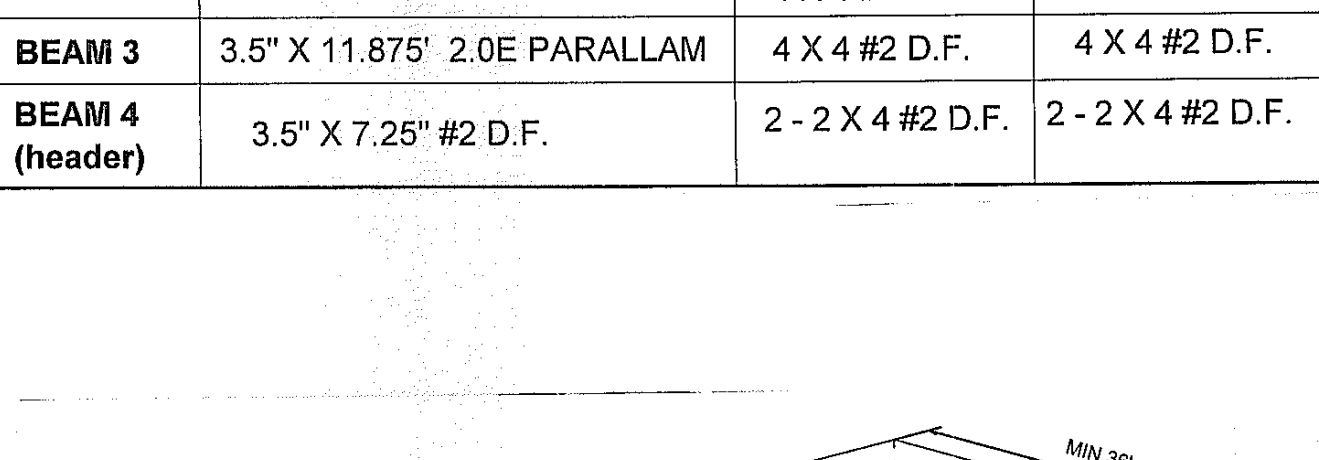
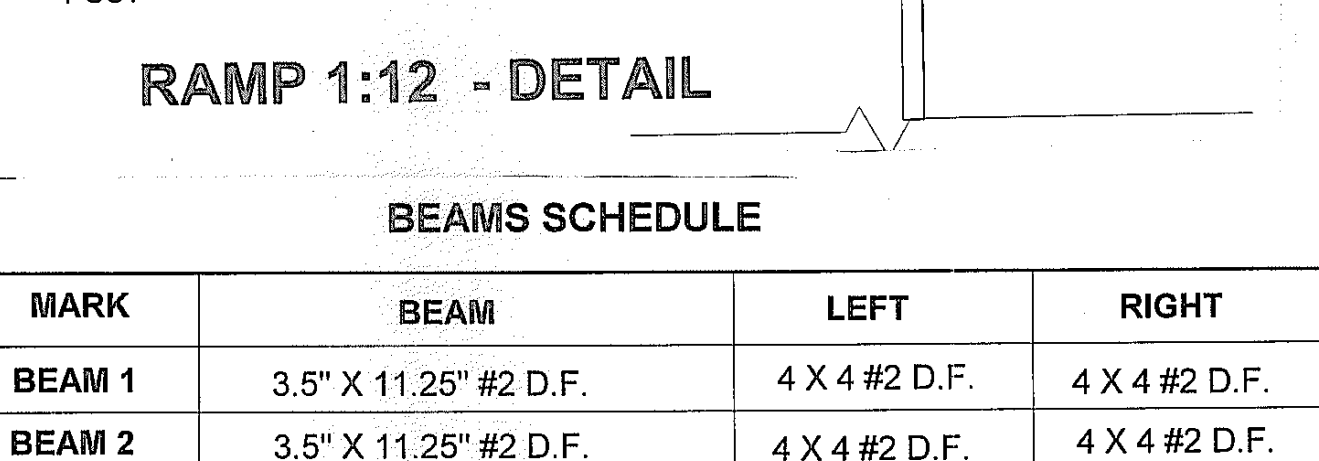
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BRACE WALL PANELS (PLYWOOD)	A	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX) OR 5/8" 1/4" EXT. SIDING OR 3-COAT STUCCO	8D @ 6" O.C. ON EDGE, 12" O.C. IN FIELD, BLOCK ALL EDGES	MIN. 1/2" DIA. X 16" @ 4' O.C. (WHERE FOOTING)	N/A
ALTERNATE BRACE WALL PANELS	B	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX) OR 5/8" 1/4" EXT. SIDING	8D @ 6" O.C. ON EDGE, 12" O.C. IN FIELD, BLOCK ALL EDGES	5/8" DIA X 12" @ 12" O.C.	HOUZ WISSTB16
PORTAL FRAME WIND-DOWNS	C	MIN 3/8" STRUCTURAL SHEATHING (OSB OR CDX)	8D @ 3" O.C. ON ALL FRAMING STUDS, BLOCKING, AND SILLS	ONE 5/8" DIAMETER	STH104 OR STH104RJ (RIM JOIST)
BRACE WALL PANELS (GYPS. BOARD)	D	MIN. 1/2" GYPS. BOARD	8D COOLER NAILS @ 7" O.C., BLOCK ALL EDGES	N/A	N/A
SHEAR WALL	SW	MIN 3/8" STRUCTURAL SHEATHING (OSB, CDX, OR OSB OR CDX)	8D @ 6" O.C. ON ALL FRAMING (STUDS, BLOCKING, AND SILLS)	SIMPSON S5T816	HTTS M5T64C

\*NAILS AT BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACE WALL PANEL : 3-16d (3 1/2" X 0.135")



**BEAMS SCHEDULE**

MARK	BEAM	LEFT	RIGHT
BEAM 1	3.5" X 11.25" #2 D.F.	4 X 4 #2 D.F.	4 X 4 #2 D.F.
BEAM 2	3.5" X 11.25" #2 D.F.	4 X 4 #2 D.F.	4 X 4 #2 D.F.
BEAM 3	3.5" X 11.875" 2.0E PARALLAM	4 X 4 #2 D.F.	4 X 4 #2 D.F.
BEAM 4 (header)	3.5" X 7.25" #2 D.F.	2 - 2 X 4 #2 D.F.	2 - 2 X 4 #2 D.F.



**NOTES:**

THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" BE BELIEVED WITH A SLOPE NO GREATER THAN 1: UNIT VERTICAL TO 2: UNITS HORIZONTAL. CHANGE IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.

THE DOOR SEPARATING THE LIVING ROOM FROM THE HALLWAY SHALL BE A DOOR NOT LESS THAN 1-3/8 INCH IN THICKNESS, FULL CORE, MAINTAINED SELF-CLOSING OR SHALL BE AUTOMATIC BY ACTIVATION OF A SMOKE DETECTOR INSTALLED.

IN GROUP R-3.1 OCCUPANCIES HOUSING NON-AMBULATORY CLIENTS, CHANGES IN LEVEL UP TO 0.25 INCH MAY BE VERTICAL WITHOUT EDGE TREATMENT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.3 INCH SHALL BE BELIEVED WITH A SLOPE NO GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50 PERCENT SLOPE). CHANGE IN LEVEL GREATER THAN 0.5 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.

PROVIDE CARBON MONOXIDE SD. OUTSIDE OF SLEEPING AREA.

SMOKE DETECTORS MUST BE INTERCONNECTED.

THE SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH A BATTERY BACKUP. SMOKE ALARMS WITH INTEGRAL STROBES THAT ARE NOT EQUIPPED WITH BATTERY BACKUP SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION.

THE DOORS TO THE EXTERIOR OF THE DWELLING SHALL NOT HAVE MANUALLY OPERATED DEAD BOLTS UNLESS THE OPERATION OF THE HARDWARE IS INTEGRATED WITH THE OPERATION OF THE DOOR KNOB, AS THE UNLATCHING OF THE DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.

CEN 435.8.3.3 - NOTE:  
 A SLIDING GLASS DOOR CAN BE USED AS AN EXTERIOR EXIT DOORWAY AS LONG AS IT IS OPERABLE FROM THE INSIDE AND OUTSIDE AND THE CLEAR WIDTH OF THE EXIT WAY IS NOT LESS THAN 32 INCHES (813 mm)

**NOTES:**

PROVIDE NON-REMOVABLE BACKFLOW PREVENTION DEVICES ON ALL EXTERIOR HOSE BIBES.

PROVIDE MIN 24" SHOWER TEMPERED DOOR AND MUST BE A MINIMUM CATEGORY CLASS A RATED TESTED IN ACCORDANCE WITH ANSI Z97.1 SINCE IT IS GREATER THAN 9 SQUARE FEET.

PROVIDE 2" MIN AND MAX CURB AT NEW SHOWER.

PROVIDE TYPE "M" COPPER FOR WATER PIPING.

A MINIMUM OF 2" X 6" WALL SHALL BE USED WHENEVER THE PIPING WITHIN THE WALL IS GREATER THAN TWO INCHES OUTER DIAMETER.

4" SEWER REQUIRED IF MORE THAN 3 WC.

PROVIDE SAFETY GLAZING FOR NEW SHOWER ENCLOSURE.

PROVIDE BOND METALIC GAS PIPE AND WATER PIPES TO THE SERVICES GROUND.

PROVIDE FLOOR COVERING & CHALK BETWEEN FURNITURE & FLOOR TO MAKE WATER-TIGHT.

PROVIDE 72 INCH HIGH NON-ABSORBENT WALL ADJACENT TO SHOWER AND APPROVED SHATTER-RESISTANT MATERIAL FOR SHOWER ENCLOSURE (GREEN SHEETROCK NOT ACCEPTED).

PROVIDE SHOWERS AND TUBS SHOWERS WITH PRESSURE BALANCE OR THERMOSTATIC MIXING VALVE CONTROL.

PROVIDE DRAIN FOR WATER HEATER RELIEF VALVE OUTSIDE OF THE BUILDING WITH THE END OF THE PIPE NOT MORE THAN 2" NOR LESS THAN 6" ABOVE THE GROUND AND POINTING DOWN.

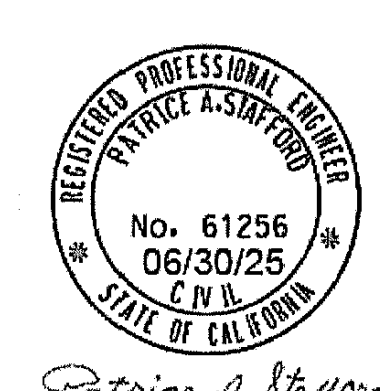
PROVIDE SMOOTH METAL DUCT FOR DRYER EXHAUST TO OUTSIDE WITH BACK DRAFT DAMPER. THIS DUCT SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14' INCLUDING TWO 90-DEGREE ELBOWS - TWO FEET SHALL BE DEDUCTED FOR EACH 90-DEGREE ELBOW IN EXCESS OF TWO.

ATTIC ACCESS SHALL BE WEATHER-STRIPPED TO PREVENT AIR LEAKAGE.

WATER HEATERS SHALL BE PROVIDED WITH A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOWS GRAVITY DRAINING WITHOUT PUMP ASSISTANCE.

IF WATER HEATER VENT PIPE MAKES BENDS THROUGH THE BUILDING STRUCTURE, THEN IT SHALL BE EITHER A CATEGORY III OR IV VENT PIPE.

MIN. 1" THICK PIPE INSULATION SHALL BE INSTALLED ON HOT WATER PIPES FROM THE WATER HEATER TO THE KITCHEN FIXTURES.



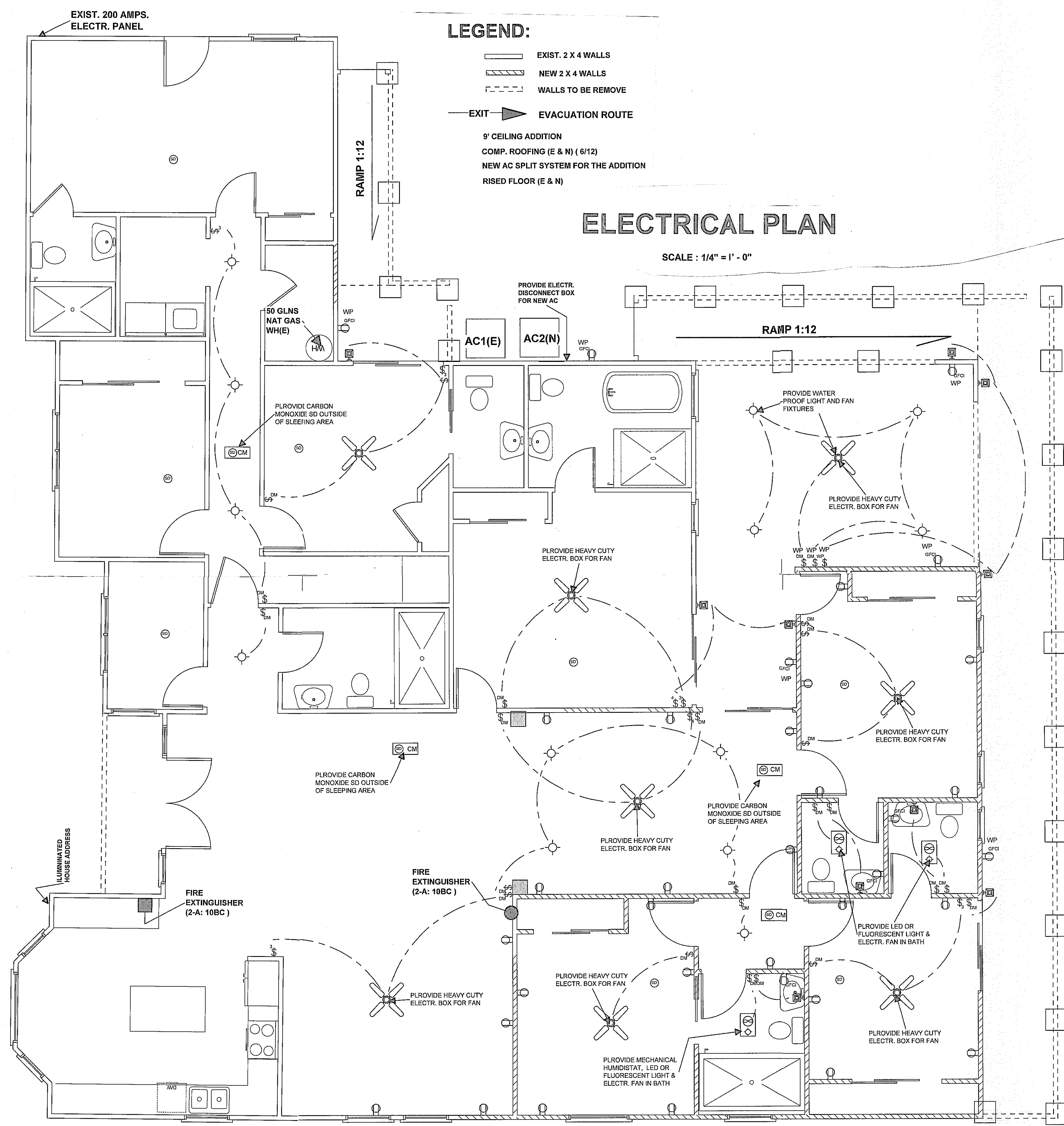
**HAPPY MEMORIES II, LLC - ADDITION**  
 PHONE: (707) 395-6195

SCALE: 1/4" = 1' - 0"  
 DATE: 10/22/24

OWNER SIGNATURE  
 DRAWN BY: JOHN RADU  
 PHONE #: (916) 425-1067

ADDRESS: 249 CIMMARON CIR., FOLSOM, CA 95630

**FLOOR PLAN**  
 DRAWING NUMBER: 3 OF 14



**LEGEND:**

- EXIST. 2 X 4 WALLS
- ▨ NEW 2 X 4 WALLS
- - - WALLS TO BE REMOVE
- ➔ EXIT
- ➔ EVACUATION ROUTE
- 9' CEILING ADDITION
- COMP. ROOFING (E & N) (6/12)
- NEW AC SPLIT SYSTEM FOR THE ADDITION
- RISED FLOOR (E & N)

# ELECTRICAL PLAN

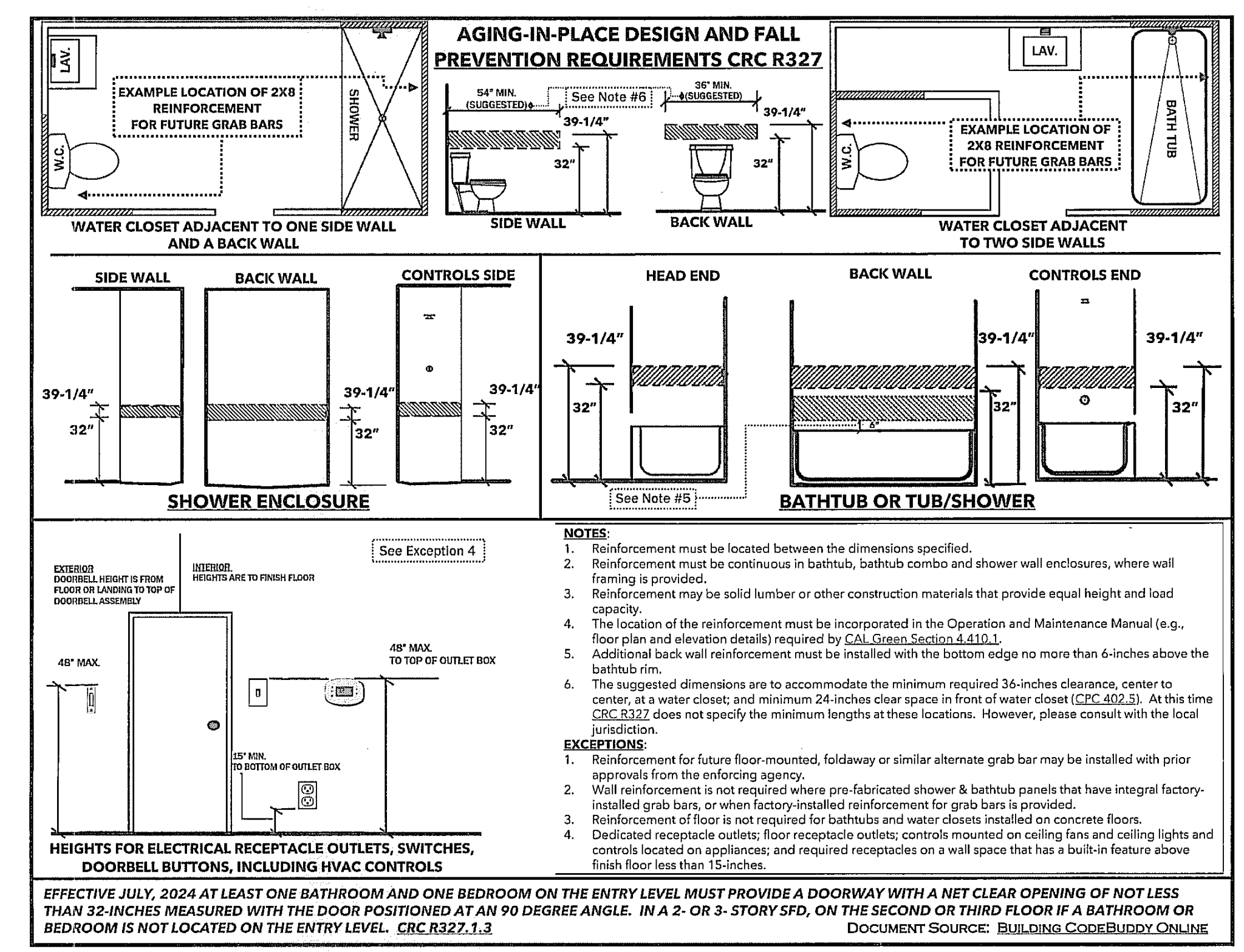
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## ELECTRICAL SYMBOL KEYS

- AFCI ARK FAULT INTERRUPT OUTLETS-TAMPERS RESISTANT
  - 110V DUPL. ELECTRIC OUTLET - TAMPERS RESISTANT
  - 110V GFCI DUPL. ELECTRIC OUTLET - TAMPERS RESISTANT
  - 110V OUTDOOR EL. OUTLET-TAMPERS RESISTANT
  - ALL 220V OUTLETS SHALL BE GFCI
  - 220V - THREE PHASES W/ GROUND OUTLET
  - SINGLE POLE SWITCH
  - THREE WAY SWITCH
  - DIMMER SWITCH
  - DUAL SPOTLIGHT W/MOTION SENSOR
  - FLUORESCENT OR LED LIGHT & FIXTURE
  - LIGHT & FIXTURE
  - SURFACE MOUNTED FLUORESCENT LIGHT
  - SMOKE DETECTORS MUST BE INTERCONNECTED W/ BATTERY BACKUP
  - CARBON MONOXIDE SMOKE DETECTORS MUST BE INTERCONNECTED W/BATTERY BACKUP
  - REC. LIGHT/FAN
  - CEILING PADDLE FAN
- OUTDOOR RECEPTACLES SHALL BE WEATERPROOF AND HAVE GFCI RECEPTACLES IN WET LOCATIONS MUST HAVE A LISTED "EXTRA DUTY" COVER.
- Electrical receptacles, outlets, switches and controls (including controls for heating, ventilation and air conditioning and doorbell button) intended to be used by occupants shall be located no more than 48 inches measured from the top of the outlet box and not less than 15 inches measured from the bottom of the outlet above the finish floor.
- ALL 220V OUTLETS SHALL BE GFCI

## ELECTR. NOTES:

- PROVIDE CARBON MONOXIDE SMOKE DETECTORS OUTSIDE HABITABLE AREA SMOKE DETECTORS MUST BE INTERCONNECTED
  - ALL 125-VOLTS, 15- AND 20 AMPS RECEPTACLE OUTLETS SHALL BE TAMPER-RESISTANT RECEPTACLES.
  - PROVIDE SEPARATE GFCI CIRCUIT FOR BATHROOM (20 AMPS)
  - PROVIDE MECHANICAL HUMIDISTAT CONTROLLED FAN IN NEW BATH
  - PROVIDE SPECIAL HEAVY-DUTTY ELECTRICAL BOX FOR CEILING FAN
  - PROVIDE HIGH EFFICACY LIGHT (E.G. FLORESCENT) AT ALL GENERAL ROOMS AND HALLS OR CONTROLLED BY A MANUAL OR OCCUPANCY SENSOR OR A DIMMER SWITCH
  - PROVIDE HIGH EFFICACY LIGHT (E.G. FLORESCENT) AT ALL OUTDOOR LIGHTING ATTACHED TO THE HOUSE OR SWITCHED BY MOTION SENSOR AND PHOTO CONTROL
  - ALL RECESSED LIGHTS MUST BE BOTH ZERO CLEARANCE AND AIR TIGHT RATED
  - > 6 POUND OR EXCEED 18 INCHES IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER
  - ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15- AND 20 AMPS OUTLETS INSTALLED IN DWELLING UNIT BEDROOM, KITCHEN, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, SUNROOMS, RECREATION ROOMS, CLOSET, HALLWAYS, LAUNDRY AREA OR SIMILAR ROOMS OR AREA SHALL BE ARC-FAULT CIRCUIT INTERRUPTER (AFCI) PROTECTED.
  - EXHAUST FANS MUST BE SWITCHED SEPARATE FROM LIGHTING OR UTILIZE A DEVICE WHERE LIGHTING CAN BE TURN OFF WHILE THE FAN IS RUNNING, EXCLUDES KITCHEN EXHAUST HOODS.
  - LIGHTING INSTALLED IN ATTACHED AND DETACHED GARAGES, LAUNDRY ROOMS AND UTILITY ROOMS SHALL BE HIGH EFFICACY LIGHTING FIXTURES AND BE CONTROLLED BY VACANCY SENSORS
  - PROVIDE SEPARATE SWITCHES FOR EXHAUST FAN AND LIGHT FIXTURE COMBINATION IN ALL BATHROOMS
  - SMOKE ALARMS SHALL NOT BE INSTALLED WITHIN A 36" HORIZONTAL PATH FROM THE SUPPLY REGISTERS OF A FORCED AIR OR COOLING SYSTEM AND SHALL BE INSTALLED OUTSIDE OF THE DIRECT AIRFLOW FROM THOSE REGISTERS.
  - ALL PERMANENTLY INSTALLED LUMINAIRES IN DWELLING UNITS SHALL BE HIGH EFFICACY AND HAVE MANUAL ON/OFF CONTROLS AND VACANCY SENSORS OR DIMMERS EXCEPT FOR HALLWAYS & CLOSETS LESS THAN 79 SQ FT.
  - SMOKE ALARMS SHALL NOT BE INSTALLED WITHIN A 36" HORIZONTAL PATH FROM THE TIP OF THE BLADE OF A CEILING-SUSPENDED FAN
  - Luminaires installed in wet or damp locations shall be installed such that water cannot enter or accumulate in wiring compartments, lampholders, or other electrical parts. All luminaires installed in wet locations shall be marked "Suitable for Wet Locations". All luminaires installed in damp locations shall be marked "Suitable for Damp Locations".
- SMOKE ALARMS SHALL BE ELECTRICALLY INTERCONNECTED SO AS TO CAUSE ALL SMOKE ALARMS TO SOUND A DISTINCTIVE ALARM SIGNAL UPON ACTUATION OF ANY SINGLE SMOKE ALARM. SUCH ALARM SIGNAL SHALL BE AUDIBLE THROUGHOUT THE FACILITY AT A MINIMAL LEVEL OF 15 DB ABOVE AMBIENT NOISE LEVEL. THESE DEVICES NEED TO BE INTERCONNECTED TO ANY OTHER FIRE ALARM DEVICE, HAVE A CONTROL PANEL, OR BE ELECTRICALLY SUPERVISED OR PROVIDED WITH EMERGENCY POWER.
- PERMANENTLY INSTALLED LIGHTING IN CABINETS MUST BE HIGH EFFICACY.
- LIGHTING IN BATHROOMS, GARAGES, LAUNDRY ROOMS & UTILITY ROOMS MUST HAVE AT LEAST ONE LUMINAIRE CONTROLLED BY VACANCY SENSORS.
- WHERE MORE THAN ONE CARBON MONOXIDE ALARM IS REQUIRED TO BE INSTALLED WITHIN THE DWELLING UNIT OR WITHIN A SLEEPING UNIT, THE ALARMS SHALL BE INTERCONNECTED IN A MANNER THAT ACTIVATION OF ONE ALARM SHALL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT.
- AN INTERSYSTEM BONDING TERMINATION FOR CONNECTION OF INTERSYSTEM BONDING CONDUCTORS REQUIRED FOR OTHER SYSTEMS SHALL BE PROVIDED EXTERNAL TO ENCLOSURES AT THE SERVICE EQUIPMENT OR METERING EQUIPMENT ENCLOSURE. THE INTERSYSTEM BONDING TERMINATION SHALL CONSIST OF A SET OF TERMINALS WITH THE CAPACITY FOR CONNECTION OF NOT THAN TREE INTERSYSTEM BONDING CONDUCTORS
- IN EACH SPAC ATTACHED GARAGE AND EACH DETACHED GARAGE WITH ELECTRICAL POWER AT LEAST ONE RECEPTACLE SHALL BE INSTALLED FOR EACH CAR SPACE IN ADDITION TO RECEPTACLES REQUIRED FOR SPECIFIC EQUIPMENT. THE BRANCH CIRCUIT SUPPLYING THIS RECEPTACLE(S) SHALL NOT SUPPLY OUTLETS OUTSIDE OF THE GARAGE.
- GFCI PROTECTION IS REQUIRED FOR ALL 15A AND 20A, 125V RECEPTACLES INSTALLED IN THE FOLLOWING LOCATIONS:  
- SINKS - GFCI PROTECTION FOR RECEPTACLE IS REQUIRED WITHIN AN ARC MEASUREMENT OF 6 FT. FROM THE OUTSIDE EDGE OF THE SINK.  
- BATH TUBS OR SHOWER STALLS - GFCI PROTECTION IS REQUIRED FOR RECEPTACLES LOCATED WITHIN 6 FT. OF THE OUTSIDE EDGE OF A BATHTUB OR SHOWER STALL.  
- LAUNDRY AREA - RECEPTACLES INSTALLED IN LAUNDRY AREAS OF A DWELLING UNIT SHALL BE GFCI PROTECTED.  
- DWELLING UNIT DISHWASHERS - OUTLETS SUPPLYING DISHWASHERS IN A DWELLING UNIT MUST BE GFCI PROTECTED.
- PERMANENTLY INSTALLED OUTDOOR LIGHTING ATTACHE TO RESIDENCE OR OTHER BUILDINGS MUST BE HIGH EFFICACY AND MUST BE CONTROLLED BY A MANUAL ON AND OFF SWITCH, AND USE ONE OF THESE CONTROL TYPES: (1) PHOTO-CONTROL AND MOTION SENSOR OR PHOTO-CONTROL AND AUTOMATIC TIME SWITCH, (2) PHOTO-CONTROL AND AUTOMATIC TIME SWITCH OR ASTRONOMICAL TIME CLOCK THAT AUTOMATICALLY TURNS OUTDOOR LIGHTING OFF DURING DAYLIGHT HOURS OR (3) - ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) THAT PROVIDES THE FUNCTIONALITY OF AN ASTRONOMICAL TIME CLOCK.
- PROVIDE ONE 110V OUTLET & LIGHT IN ATTIC FOR HVAC

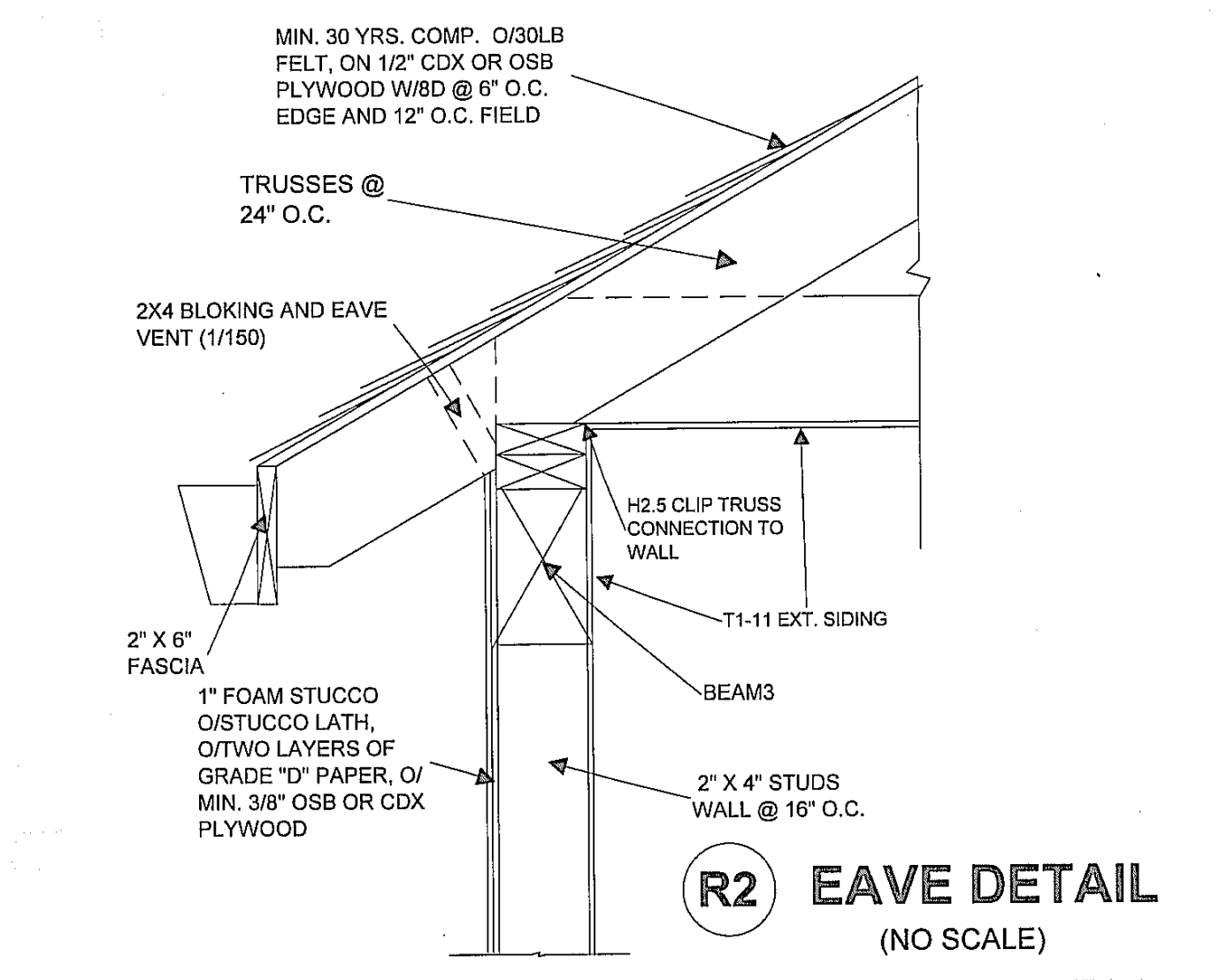
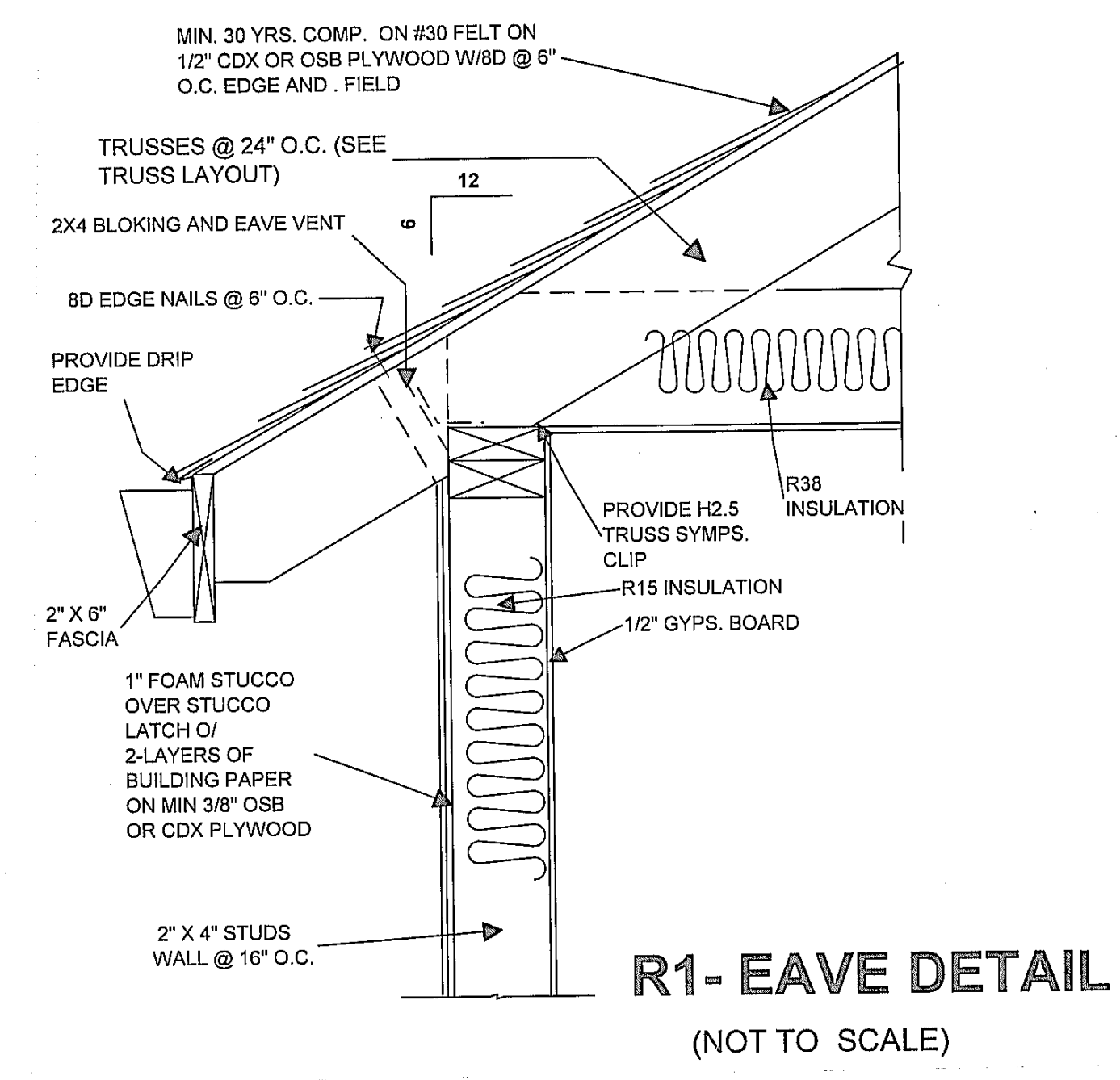
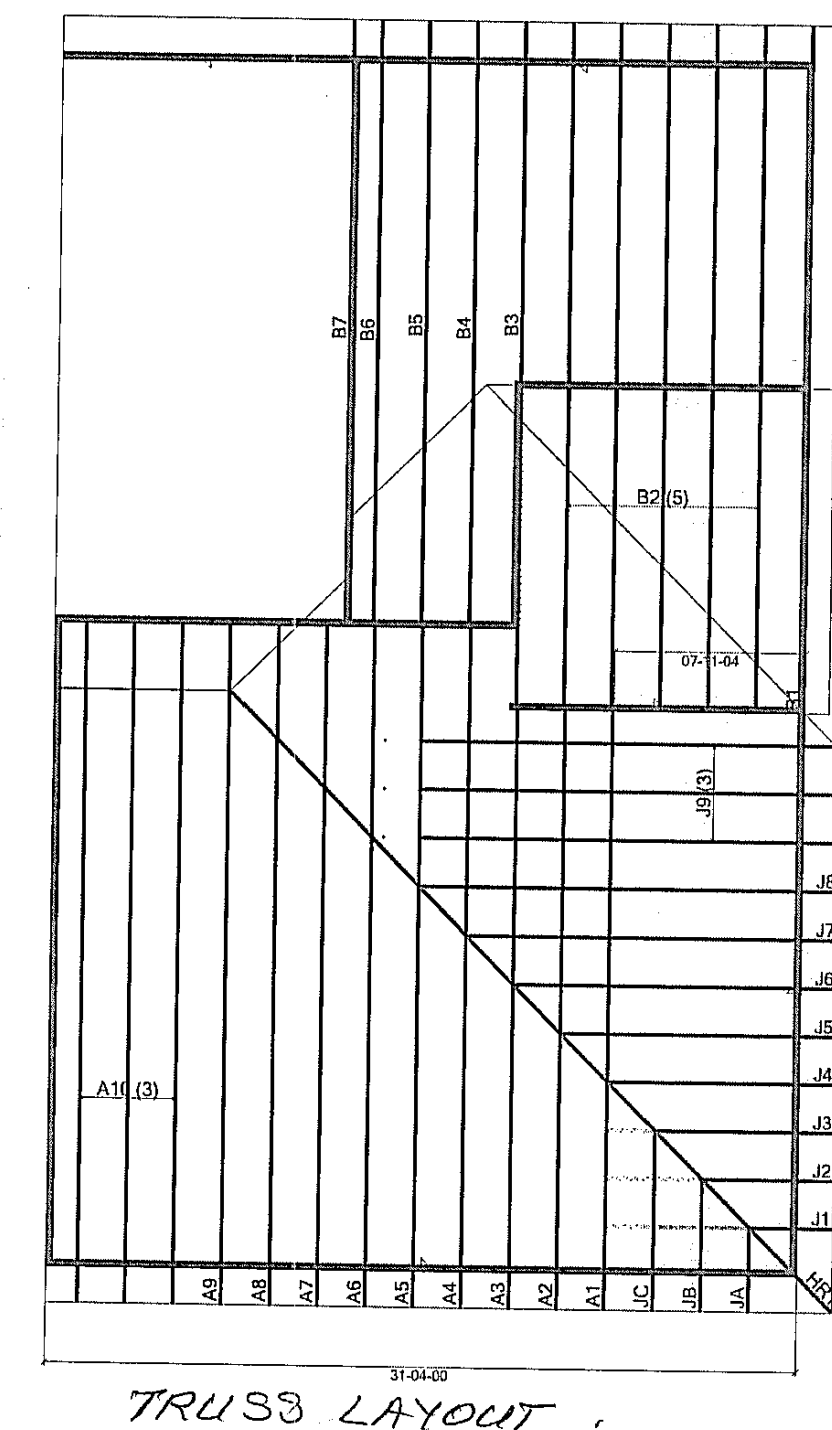
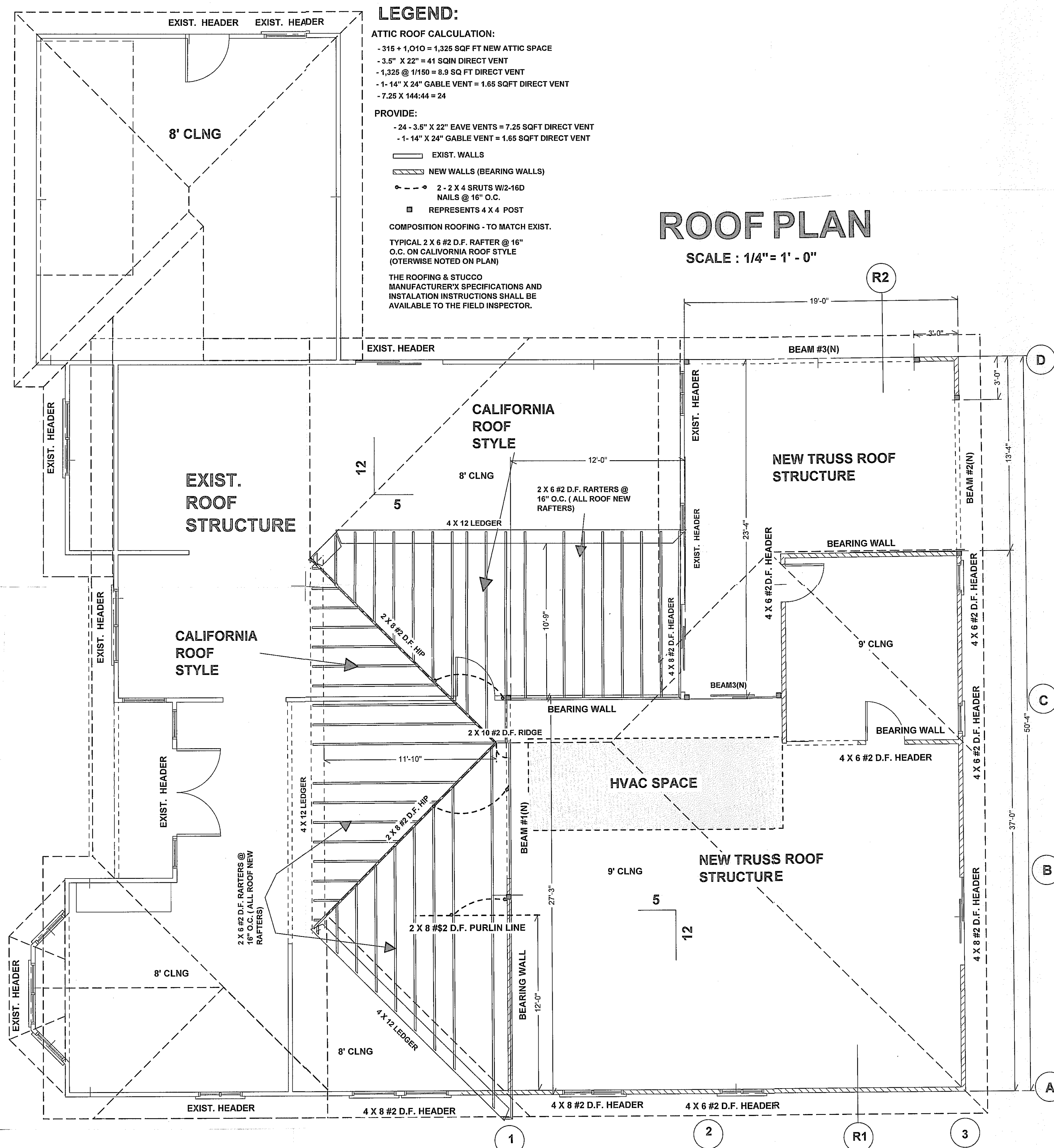


**HAPPY MEMORIES II, LLC - ADDITION**  
PHONE : (707) 365-6196

SCALE : 1/4" = 1' - 0" OWNER SIGNATURE DRAWN BY: JOHN RADU  
DATE : 10/22/24 PHONE # : (916) 425-1057

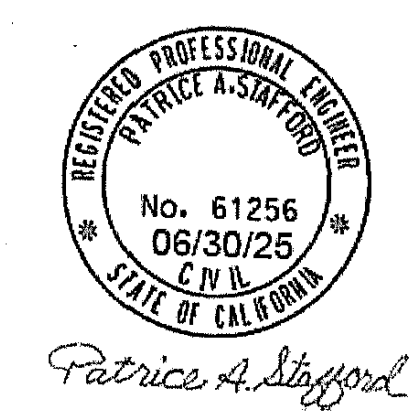
ADDRESS : 249 CIMMARON CIR., FOLSOM, CA 95630

**ELECTRICAL PLAN** DRAWING NUMBER  
4 OF 14



**BEAMS SCHEDULE**

MARK	BEAM	LEFT	RIGHT
BEAM 1	3.5" X 11.25" #2 D.F.	4 X 4 #2 D.F.	4 X 4 #2 D.F.
BEAM 2	3.5" X 11.25" #2 D.F.	4 X 4 #2 D.F.	4 X 4 #2 D.F.
BEAM 3	3.5" X 11.875" 2.0E PARALLAM	4 X 4 #2 D.F.	4 X 4 #2 D.F.
BEAM 4 (header)	3.5" X 7.25" #2 D.F.	2 - 2 X 4 #2 D.F.	2 - 2 X 4 #2 D.F.

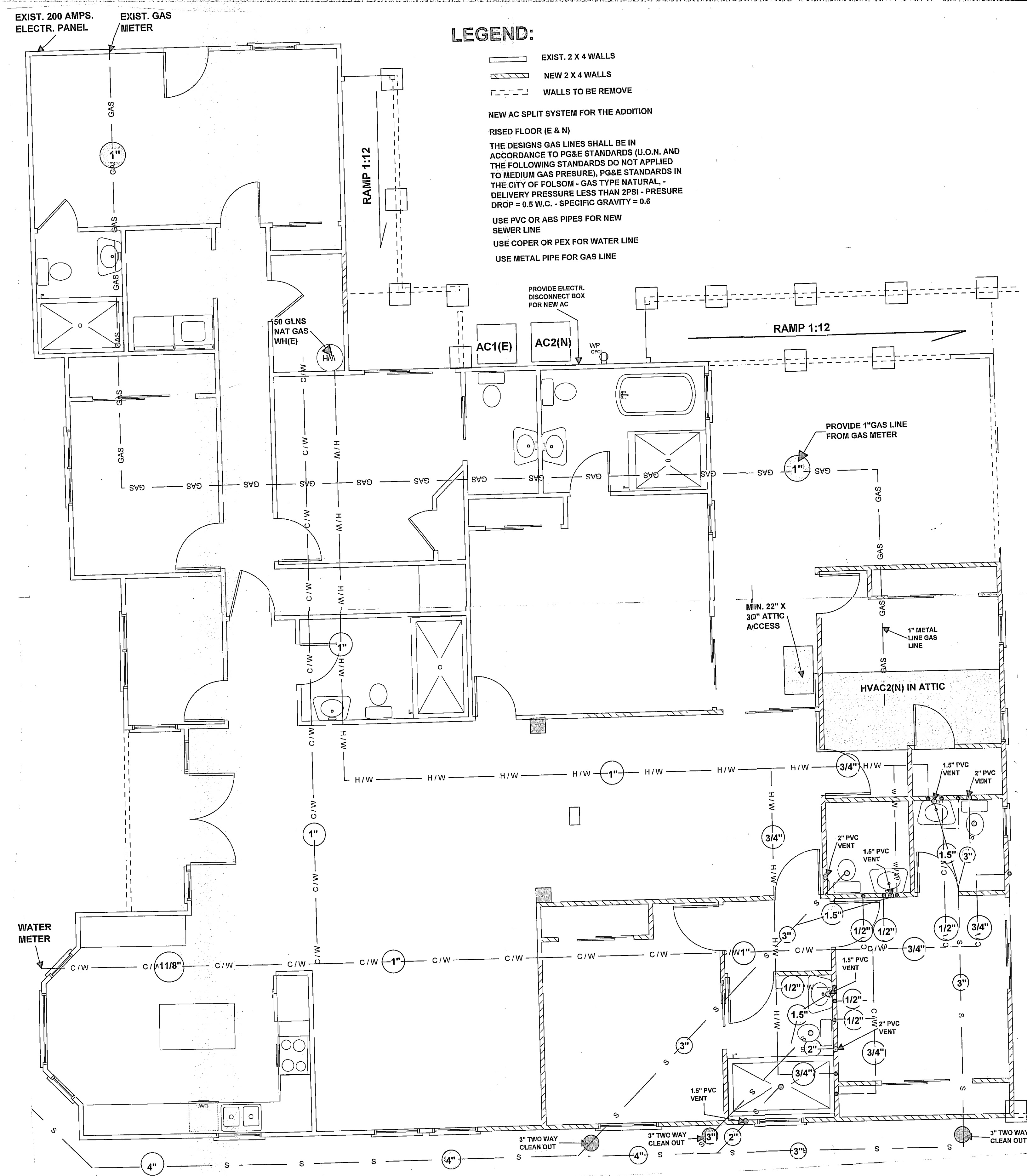
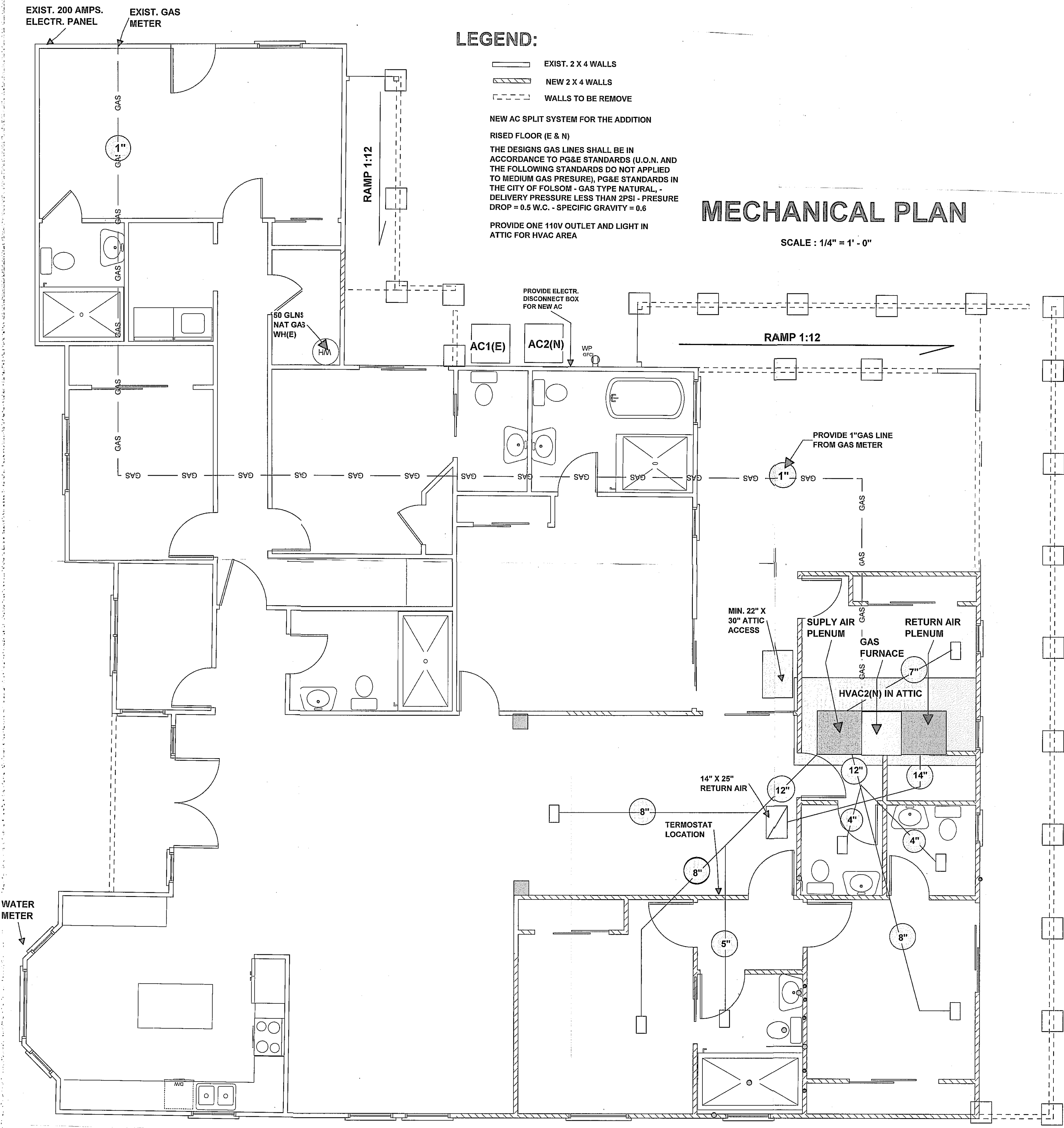


**HAPPY MEMORIES II, LLC - ADDITION**  
PHONE: (707) 365-6196

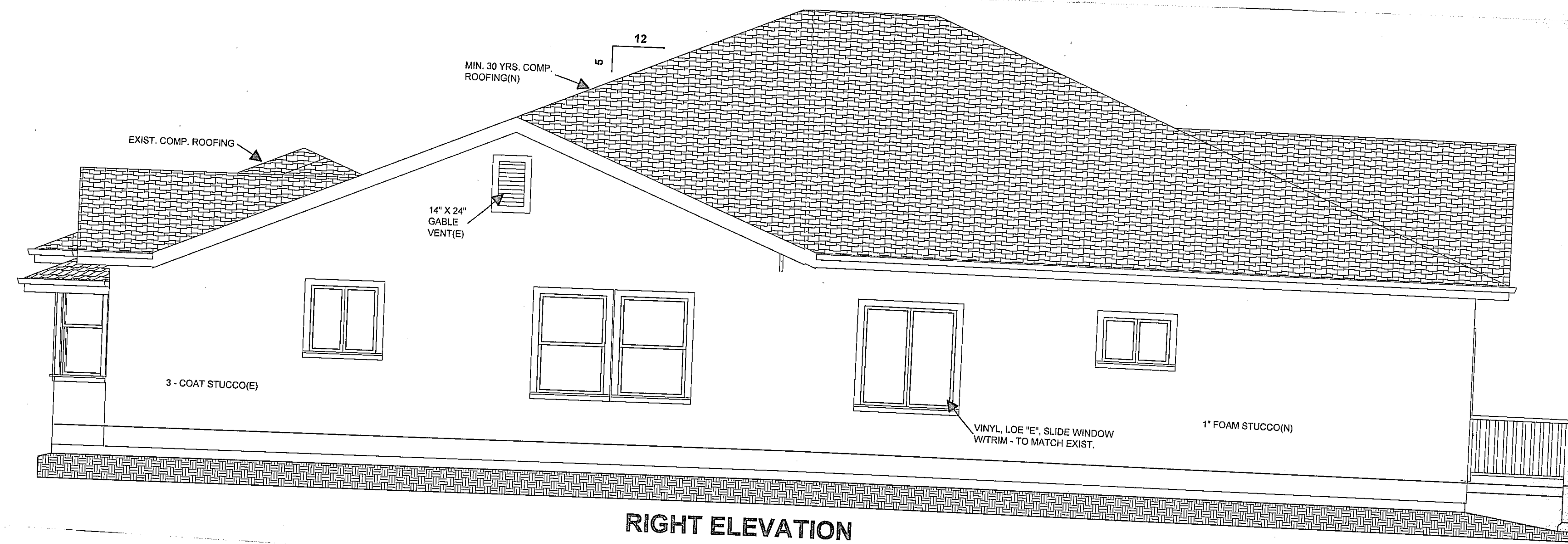
SCALE: 1/4" = 1' - 0"      OWNER SIGNATURE      DRAWN BY: JOHN RADU  
DATE: 10/22/24      PHONE #: (916) 425-1067

**ADDRESS: 249 CIMMARON CIR., FOLSOM, CA 95630**

**ROOF PLAN**      DRAWING NUMBER: 5 OF 14

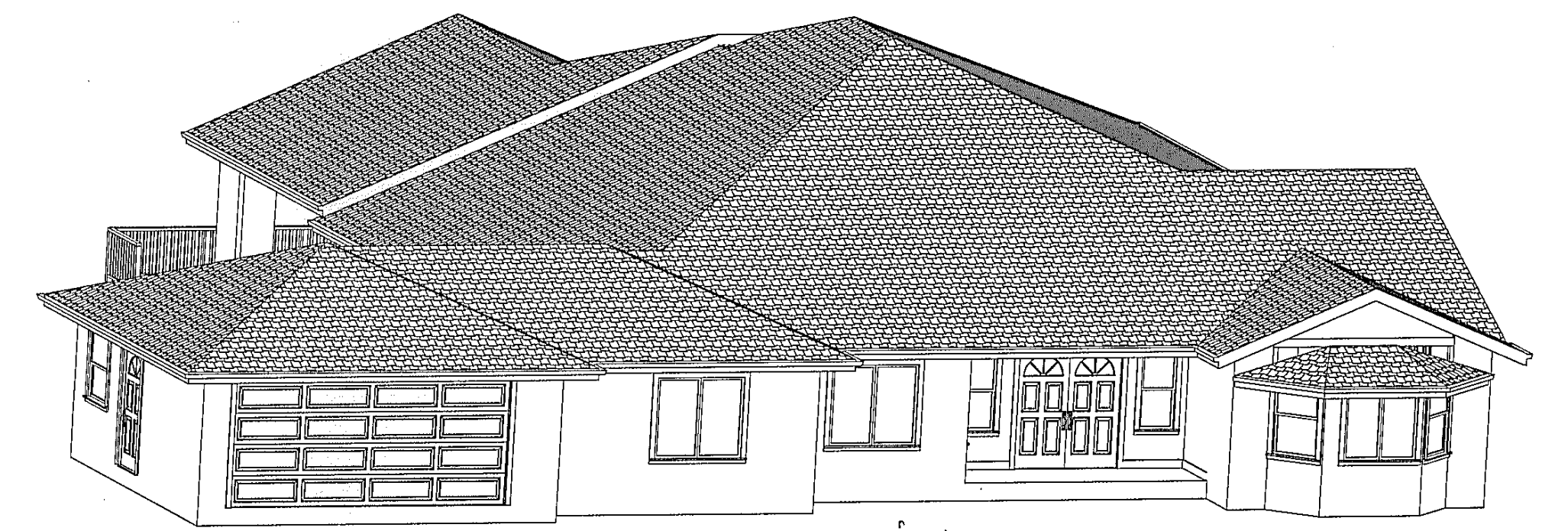


<b>HAPPY MEMORIES II, LLC - ADDITION</b>		
PHONE: (707) 385-6198		
SCALE: 1/4" = 1' - 0"	OWNER SIGNATURE	DRAWN BY: JOHN RADU
DATE: 10/22/24		PHONE #: (916) 425-1087
ADDRESS: 249 CIMMARON CIR., FOLSOM, CA 95630		
<b>MECHANICAL &amp; PLUMBING PLAN</b>		DRAWING NUMBER
		<b>6 OF 14</b>

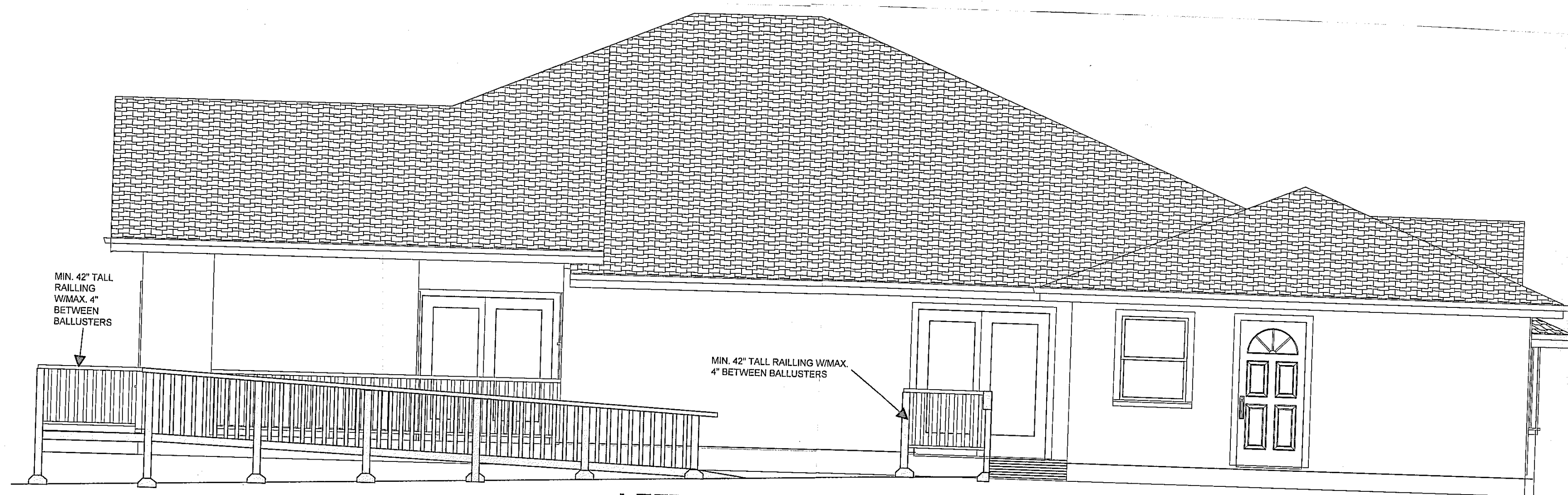


**RIGHT ELEVATION**

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

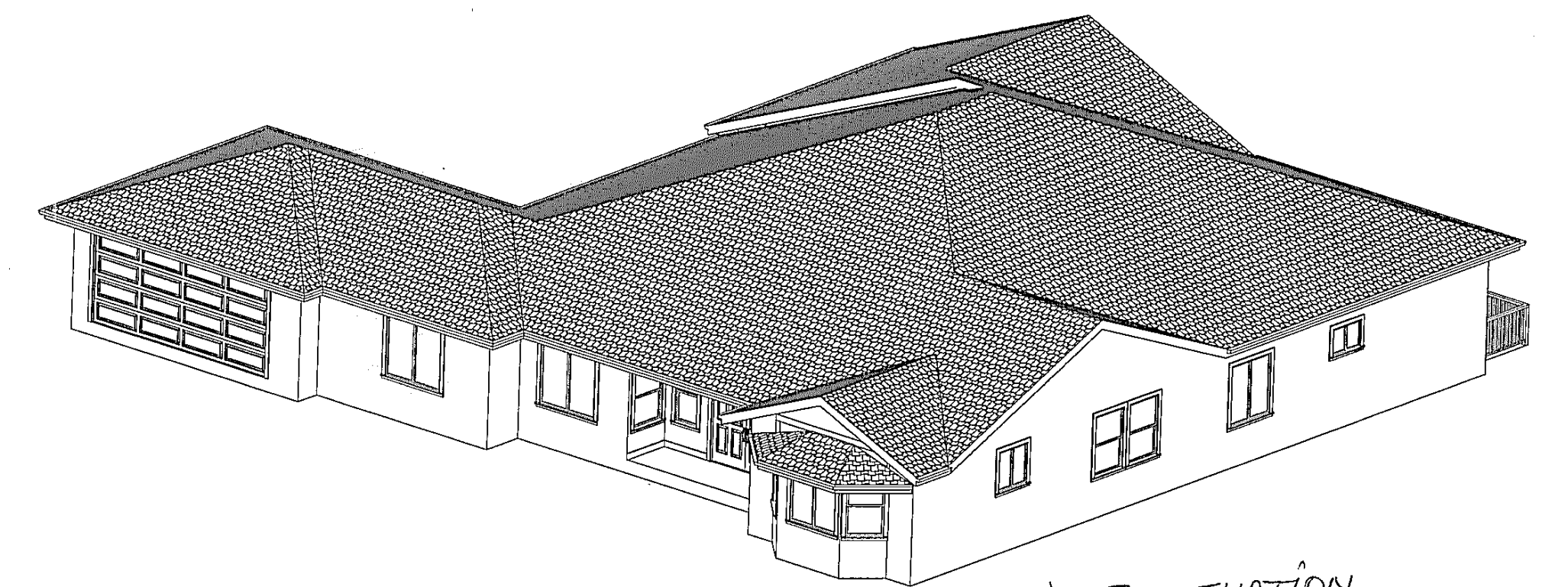


3D - FRONT - LEFT ELEVATION

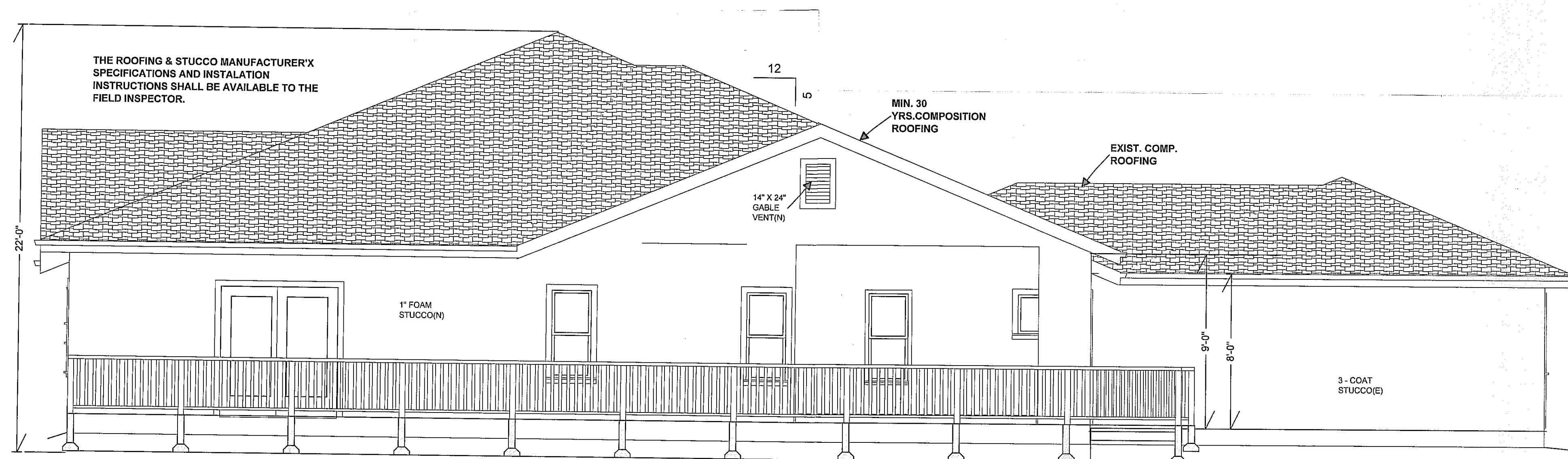


**LEFT ELEVATION**

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



3D - FRONT - RIGHT ELEVATION



**REAR ELEVATION**

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

*John Radu*

<b>HAPPY MEMORIES II, LLC - ADDITION</b>		
PHONE: (707) 385-6196		
SCALE: 1/4" = 1'-0"	OWNER SIGNATURE	DRAWN BY: JOHN RADU
DATE: 10/22/24		PHONE #: (916) 425-1067
ADDRESS: 249 CIMMARON CIR., FOLSOM, CA 95630		
<b>ELEVATION PLAN</b>		DRAWING NUMBER
		<b>7 OF 14</b>

# STRUCTURAL NOTES:

## GENERAL NOTES:

- ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE (C.B.C.) AND C.B.C. STANDARDS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.
- DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE RESPONSIBLE PARTY AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.
- TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH ANY SPECIFICATIONS, THESE NOTES SHALL GOVERN.
- PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ANY OF THESE DRAWINGS INCLUDED IN THE CONSTRUCTION DOCUMENTS.
- ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISH GROUND FLOOR ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- PROVIDE INSPECTIONS AS REQUIRED BY THE BUILDING DEPT. OR THESE DRAWINGS.
- CONTRACTOR OR OWNER IS RESPONSIBLE FOR THE INSTALLATION AND SHALL PROVIDE PROPER FUNCTION OF ALL COSMETIC TREATMENTS AND FINISHES - INCLUDING, BUT NOT LIMITED TO: TILE, STUCCO, GYPSUM BOARD, PAINT, ETC. WHERE STANDARD SPECIFICATIONS CALL FOR CONSTRUCTION MORE STRINGENT THAN SHOWN ON THESE PLANS, THE CONTRACTOR OR OWNER SHALL ADJUST THE CONSTRUCTION ACCORDINGLY.
- CONTRACTOR SHALL READ AND BE FAMILIAR WITH ALL FACETS OF THE PLANS AND SPECIFICATIONS AND SHALL REQUEST CLARIFICATION AS REQUIRED BEFORE COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONSTRUCTION WHICH IS IN DEVIATION FROM THESE PLANS.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS AND SHALL OBTAIN APPROVAL BEFORE CONTINUING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR THE CORRECT INSTALLATION OF ALL MANUFACTURED PRODUCTS, INCLUDING BUT NOT LIMITED TO OSB, T1-11 PARALLAMS AND MICRO-LAMS. ALL INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

## FOUNDATION:

- FOUNDATION SOIL STRATA IS NATIVE SOIL OR ENGINEERED FILL AS PER THE PROJECT SOILS REPORT WHEN APPLICABLE. IF ANY DISCREPANCIES EXIST BETWEEN THE SOILS REPORT & THESE PLANS, THE SOILS REPORT SHALL GOVERN. SOILS REPORT: NOT AVAILABLE  
WHEN NO SOILS REPORT IS AVAILABLE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR OWNER TO ENSURE THAT ALL SOIL CONDITIONS ARE APPROPRIATE FOR THE CONSTRUCTION OF THIS PROJECT AS DRAWN. FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED FOUNDATION SOIL STRATA.
- THE ELEVATIONS OF BOTTOMS OF FOOTINGS AS SHOWN ON THESE DRAWINGS INDICATE THE ESTIMATED MINIMUM FOUNDATION DEPTHS.
- FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF.
- BOTTOMS OF FOOTINGS SHALL EXTEND A MINIMUM OF 12" BELOW LOWEST ADJACENT GRADE FOR ONE STORY SECTIONS, 18" FOR TWO STORIES (U.O.N.)
- THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE TYPICAL FOOTING STEP DETAIL ON THESE DRAWINGS.
- CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.

## SITE:

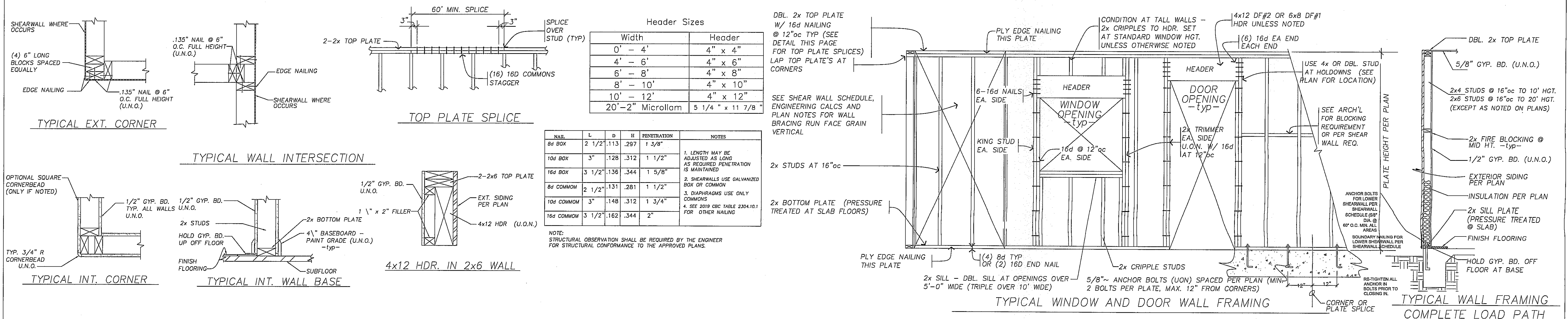
- CONTRACTOR SHALL RECOGNIZE AND NOTIFY ENGINEER IF CLAYS OR SOILS NOT SUITABLE FOR CONSTRUCTION ARE PRESENT. CONSTRUCTION SHALL NOT CONTINUE WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL PROPERTY LINES AND CORNERS AND SHALL ENSURE THAT CONSTRUCTION IS WITHIN ALL APPLICABLE SETBACKS AND EASEMENTS. CONTRACTOR TO VERIFY ALL CONDITIONS INDICATED ON THESE PLANS.
- THE ENTIRE AREA TO BE COVERED BY STRUCTURES SHALL BE STRIPPED TO A SUFFICIENT DEPTH TO REMOVE SURFACE VEGETATION, ETC.
- ALL GRADING SHALL CONFORM TO LOCAL GRADING ORDINANCES. GRADE AROUND STRUCTURE TO PROVIDE MINIMUM 2% DRAINAGE AWAY FROM THE BUILDING. CONNECT ROOF DRAINS / DOWN SPOUTS TO UNDERGROUND 4" PVC PIPE AND DRAIN TO STREET OR SUMP HOLE.
- BEFORE POURING CONCRETE, ALL FORMS SHALL BE CLEARED OF DEBRIS AND DRIED OF ANY STANDING WATER.

## CONCRETE:

- CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C39. ALL CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATORS.
- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE C.B.C. AND ACI STANDARD 318, LATEST EDITION, OF THE AMERICAN CONCRETE INSTITUTE UNLESS SHOWN OR NOTED OTHERWISE ON THESE DRAWINGS.
- AGGREGATE SHALL CONFORM TO ASTM C-33.
- CEMENT SHALL BE ASTM C-150, TYPE I OR TYPE II.
- REINFORCING STEEL SHALL BE DEFORMED CONFORMING TO ASTM A615 GRADE 40 UNLESS OTHERWISE NOTED.
- WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A-185.
- WELDING OF REINFORCING STEEL SHALL BE PERFORMED ONLY WHERE INDICATED ON THE DRAWINGS AND SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE REINFORCING STEEL WELDING SOCIETY. PROVIDE WELDING PROCEDURE AND MILL TEST REPORTS FOR ALL REINFORCEMENT TO BE WELDED. ENGINEER SHALL APPROVE WELDING PROCEDURE AND MILL TEST REPORTS PRIOR TO EXECUTION OF WELDING.
- COVERAGE FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE C.B.C. AND ACI STANDARD 318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- LAP SPLICES FOR REINFORCING SHALL BE 40 BAR DIAMETERS OR 10" MINIMUM UNLESS SHOWN OTHERWISE ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS OR SPLICES. HOOKS SHALL BE C.B.C. STANDARD HOOKS UNLESS SHOWN OTHERWISE.
- CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ASTM C94 AND ACI STANDARD 304.
- ALL EMBEDDED ITEMS SHALL BE PLACED ACCURATELY AND SECURELY PRIOR TO BEGINNING CONCRETE PLACEMENT.
- CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE.
- PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY FABRICATION.
- SUBMIT CONCRETE MIX DESIGNS TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF ANY CONCRETE.
- ALL GROUT SHALL BE NON-METALLIC NON-SHRINK GROUT AS APPROVED BY THE ENGINEER.
- REINFORCING AND EMBEDMENT ITEMS SHALL BE FREE OF EXCESSIVE SCALE OR RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCE THAT WILL IMPAIR BOND WITH CONCRETE.

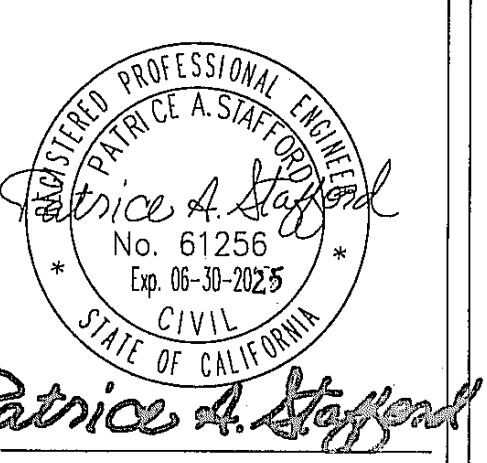
## WOOD:

- STRUCTURAL FRAMING SHALL BE DOUGLAS FIR - LARCH GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION. GRADES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE DRAWINGS.  
6X & LARGER MEMBERS -NO. 1    2X & 4X MEMBERS -NO. 2 (MINIMUM)  
WALL STUDS STANDARD MINIMUM
- ALL PLYWOOD SHOWN ON THESE DRAWINGS SHALL BE C-D WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS1-09. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX  
ROOF PLY SHALL BE PANEL INDEX 24/0 U.O.N, FLOOR PLY SHALL BE PANEL INDEX 48/24 U.O.N. EQUIVALENT OSB MAY REPLACE PLYWOOD SHEARWALLS OR DIAPHRAGMS
- SILL PLATES SHALL BE PRESSURE PRESERVATIVE TREATED DOUGLAS FIR.
- PROVIDE BLOCKING FOR ALL FRAMING MEMBERS AT ALL SUPPORTS.
- BOLTS FOR TIMBER CONNECTIONS SHALL BE ASTM A307 MACHINE BOLTS UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION. BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER.
- HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER.
- PROVIDE 0.229"x3"x3" SQUARE CUT ANCHOR BOLT WASHERS OR EQUIVALENT CUT PLATE WASHERS UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
- WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON THESE DRAWINGS.
- WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
- NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH C.B.C. TABLE 2304.9.1
- STRUCTURAL NAILING SHALL BE WITH COMMON NAILS U.O.N ON TABLE BELOW
- PROVIDE LATERAL SUPPORT FOR ALL FRAMING MEMBERS AT POINTS OF SUPPORT
- PROVIDE SHOP DRAWINGS FOR ALL PREFABRICATED JOIST MEMBERS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH C.B.C. SECTION 2301 CONVENTIONAL CONSTRUCTION PROVISIONS, AS A MINIMUM.
- ALL PREFABRICATED CONNECTING HARDWARE SPECIFIED IS MANUFACTURED BY SIMPSON COMPANY, SAN LEANDRO, CALIFORNIA, UNLESS OTHERWISE NOTED. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR MAXIMUM RATED VALUES.
- ALL GLU-LAM BEAMS SHALL BE 24F-V4 DF/DF, U.O.N.  
All GLU-LAMS SHALL BE MARKED "ANSI/AITC- STANDARD A 190.1"  
GLU-LAMS SHALL BE PROVIDED BY A CERTIFIED MANUFACTURER  
PROVIDE CERTIFICATION TO BUILDING INSPECTOR  
PROVIDE MINIMUM CAMBER UNLESS OTHERWISE NOTED  
ALL PARALLAMS AND SHALL HAVE E = 2,000,000 PSI  
ALL MICRO-LAMS SHALL HAVE E = 1,700,000 PSI  
ALL TIMBERSTRAND SHALL HAVE E = 1,300,000 PSI OR 1,700,000 PSI
- BLOCK UNSUPPORTED EDGES OF PLYWOOD OR GYP. BD SHEARWALLS.
- MAXIMUM MOISTURE CONTENT SHALL BE 19.0%.
- ALL BEAMS INTENDED FOR EXTERIOR USE SHALL BE TREATED FOR EXPOSURE TO WATER



REVISIONS	BY

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STRUCTURAL NOTES & SPECIFICATIONS

ADDRESS:  
249 CIMMARON CIR.,  
FOLSOM, CA 95630

DATE: 10/22/24  
JOB NO.:

SD1A



# STRUCTURAL NOTES: NAILING SCHEDULE

**TABLE 2304.10.2  
FASTENING SCHEDULE**

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER <sup>1</sup>	SPACING AND LOCATION
<b>Roof</b>		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2 1/2" x 0.131") 2-3" x 0.131" nails 2-3" 14 gage staples	Each end, toenail
Flat blocking to truss and web filler	2-16d common (3 1/2" x 0.162") 3-3" x 0.131" nails 3-3" 14 gage staples	End nail
2. Ceiling joists to top plate	16d common (3 1/2" x 0.162") @ 6" o.c. 3" x 0.131" nails @ 6" o.c. 3" x 14 gage staples @ 6" o.c.	Face nail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see Section 2308.7.3.1, Table 2308.7.3.1)	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)	3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
5. Collar tie to rafter	3-10d common (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	3-10 common (3" x 0.148"); or 3-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	2 toenails on one side and 1 toenail on opposite side of rafter or truss <sup>2</sup>
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3 1/2" x 0.162"); or 3-16d box (3 1/2" x 0.135"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER <sup>1</sup>	SPACING AND LOCATION
	3-3" 14 gage staples, 7/16" crown	
	3-10d common (3 1/2" x 0.148"); or 4-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
<b>Wall</b>		
8. Stud to stud (not at braced wall panels)	16d common (3 1/2" x 0.162"); 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	24" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3 1/2" x 0.162") 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" x 0.162") 16d box (3 1/2" x 0.135")	16" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 5-8d box (2 1/2" x 0.113")	Toenail
12. Top plate to top plate	16d common (3 1/2" x 0.162") 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	16" o.c. face nail
13. Top plate to top plate, at end joints	8-16d common (3 1/2" x 0.162"); or 12-16d box (3 1/2" x 0.135"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" x 0.162") 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	16" o.c. face nail
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3 1/2" x 0.162"); or 3-16d box (3 1/2" x 0.135"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face nail

16. Stud to top or bottom plate	3-16d box (3 1/2" x 0.135"); or 4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-8d box (2 1/2" x 0.113"); or 4-3" 14 gage staples, 7/16" crown	Toenail
17. Top plates, laps at corners and intersections	2-16d common (3 1/2" x 0.162"); or 3-16d box (3 1/2" x 0.135"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
18. 1" brace to each stud end plate	2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Face nail
19. 1" x 6" sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2-1 1/2" 16 gage staples, 1" crown	Face nail
20. 1" x 8" and wider sheathing to each bearing	3-8d common (2 1/2" x 0.131"); or 3-8d box (2 1/2" x 0.113"); or 3-10d box (3" x 0.128"); or 3-1 1/2" 16 gage staples, 1" crown Wider than 1" x 8" 3-8d common (2 1/2" x 0.131"); or 4-8d box (2 1/2" x 0.113"); or 3-10d box (3" x 0.128"); or 4-1 1/2" 16 gage staples, 1" crown	Face nail

Floor		
21. Joist to sill, top plate, or girder	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or floor 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail
22. Rim joist, band joist, or blocking to top plate, sill or other framing below	8d box (2 1/2" x 0.113") 8d common (2 1/2" x 0.131"); or 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	4" o.c., toenail 6" o.c., toenail

23. 1" x 6" subfloor or less to each joist	3" 14 gage staples, 7/16" crown 3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 2-1 1/2" 16 gage staples, 1" crown	Face nail
24. 2" subfloor to joist or girder	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162")	Blind and face nail
25. 2" planks (plank & beam — floor & roof)	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162")	Each bearing, face nail
26. Built-up girders and beams, 2" lumber layers	20d common (4" x 0.192") 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	32" o.c., face nail at top and bottom staggered on opposite sides 24" o.c. face nail at top and bottom staggered on opposite sides
27. Ledger strip supporting joists or rafters	And: 2-20d common (4" x 0.192"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Ends and at each splice, face nail
28. Joist to band joist or rim joist	3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Each joist or rafter, face nail
29. Bridging or blocking to joist, rafter or truss	3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	End nail

Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing <sup>3</sup>			
Fastener	Edges (inches)	Intermediate supports (inches)	
30. 1/2" — 1/4"	6d common or deformed (2" x 0.113"); or 2 7/8" x 0.113" nail (subfloor and wall)	6	12
	8d common or deformed (2 1/2" x 0.131" x 0.281" head) (roof) or RSRS-01 (2 7/8" x 0.113") nail (roof) <sup>4</sup>	6"	6"

	1 1/2" x 16 gage staple, 7/16" crown (subfloor end wall)	4	8
	2 1/8" x 0.113" x 0.266" head nail (roof)	3"	3"
	1 1/2" x 16 gage staple, 7/16" crown (roof)	3"	3"
31. 1/2" — 7/8"	8d common (2 1/2" x 0.131"); or deformed (2" x 0.113") (subfloor end wall) 8d common or deformed (2 1/2" x 0.131" x 0.281" head) (roof) or RSRS-01 (2 7/8" x 0.113") nail (roof) <sup>4</sup>	6	12
	2 1/8" x 0.113" x 0.266" head nail; or 2" 16 gage staple, 7/16" crown	4	8
32. 3/8" — 1/2"	10d common (3" x 0.148"); or deformed (2 1/2" x 0.131" x 0.281" head)	6	12

Other exterior wall sheathing			
33. 1/2" fiberboard sheathing <sup>5</sup>	1 1/2" x 0.120", galvanized roofing nail (1/2" head diameter); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6
34. 3/8" fiberboard sheathing <sup>5</sup>	1 3/4" x 0.120" galvanized roofing nail (1/2" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6

Wood structural panels, combination subfloor underlayment to framing			
35. 3/8" and less	8d common (2 1/2" x 0.131"); or deformed (2" x 0.113"); or deformed (2" x 0.120")	6	12
36. 7/8" — 1"	8d common (2 1/2" x 0.131"); or deformed (2 1/2" x 0.131"); or deformed (2 1/2" x 0.120")	6	12
37. 1 1/8" — 1 1/2"	10d common (3" x 0.148"); or deformed (2 1/2" x 0.131"); or deformed (2 1/2" x 0.120")	6	12

Panel siding to framing			
38. 1/2" or less	6d corrosion-resistant siding (1 7/8" x 0.106"); or 6d corrosion-resistant casing (2" x 0.099")	6	12
39. 3/4"	8d corrosion-resistant siding (2 7/8" x 0.128"); or 8d corrosion-resistant casing	6	12

Interior paneling			
40. 1/2"	4d casing (1 1/2" x 0.080"); or 4d finish (1 1/2" x 0.072")	6	12
41. 3/4"	6d casing (2" x 0.099"); or 6d finish (2" x 0.092") (End supports at 24 inches)	6	12

For SI: 1 inch = 25.4 mm.  
<sup>a</sup> Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and she refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.  
<sup>b</sup> Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (2 if strength axis in the long direction of the panel, unless otherwise marked).  
<sup>c</sup> Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.  
<sup>d</sup> RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.  
<sup>e</sup> Tabulated fastener requirements apply where the ultimate design wind speed is less than 140 mph. For wood structural panel roof sheathing attached to gable end framing and to intermediate supports within 48 inches of roof edges and ridges, nails shall be spaced at 4 inches on center where the ultimate design wind speed is greater than 130 mph in Exposure B or greater than 110 mph in Exposure C. Spacing exceeding 6 inches on center at intermediate supports shall be permitted where the fastening is designed per the AWC 1025.  
<sup>f</sup> Fastening is only permitted where the ultimate design wind speed is less than or equal to 110 mph.  
<sup>g</sup> Nails and staples are carbon steel meeting the specifications of ASTM F1667. Connections using nails and staples of other materials, such as stainless steel, shall be designed by acceptable engineering practice or approved under Section 104.11.

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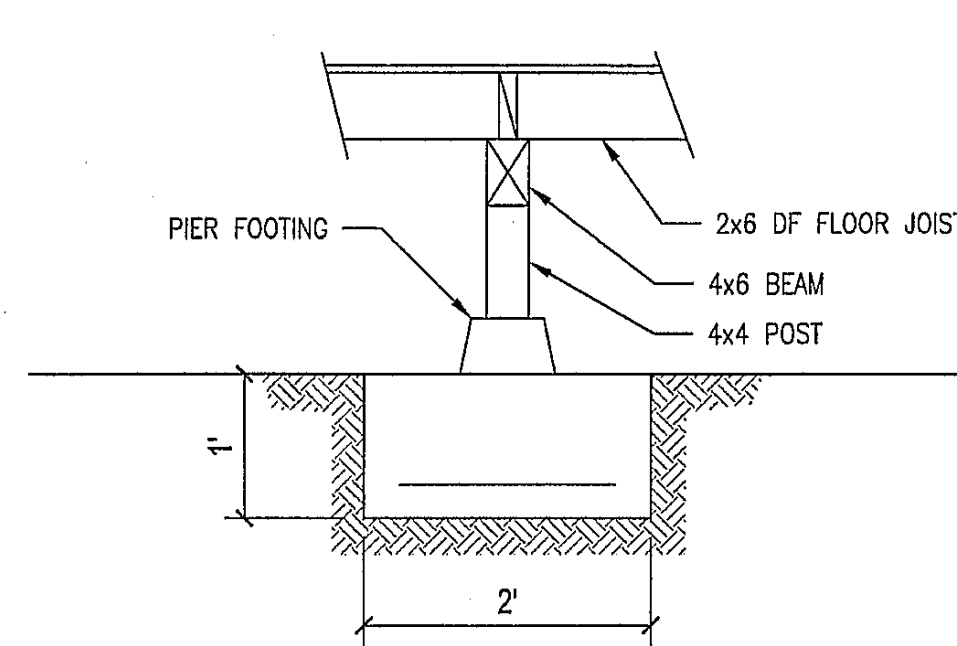
*Patrice A. Stafford*

**STRUCTURAL NOTES  
 NAILING SCHEDULE**

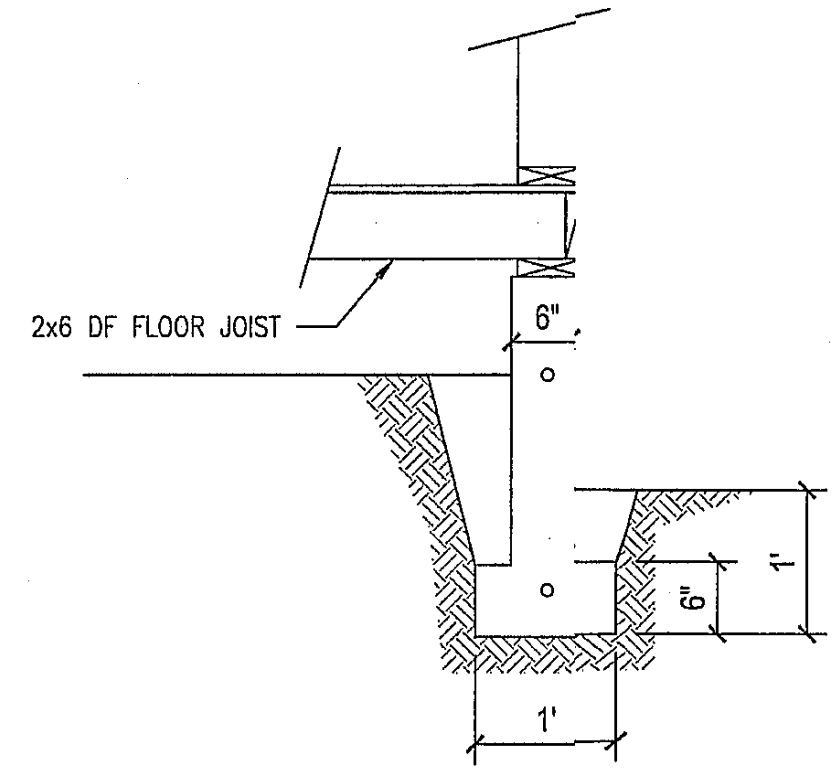
**ADDRESS:**  
 249 CIMMARON CIR.,  
 FOLSOM, CA 95630

DATE  
 10/22/24  
 JOB NO.

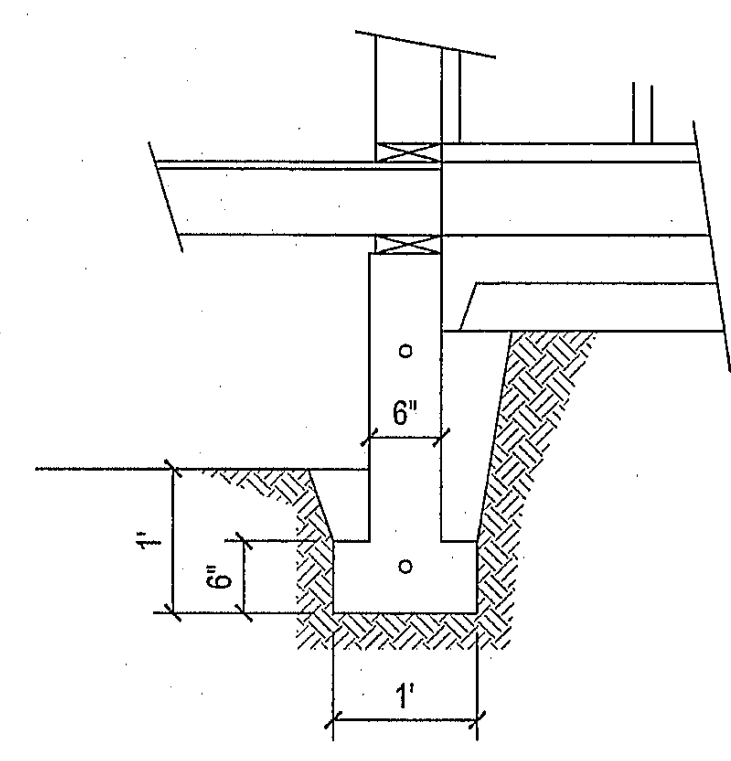
**SD1B**



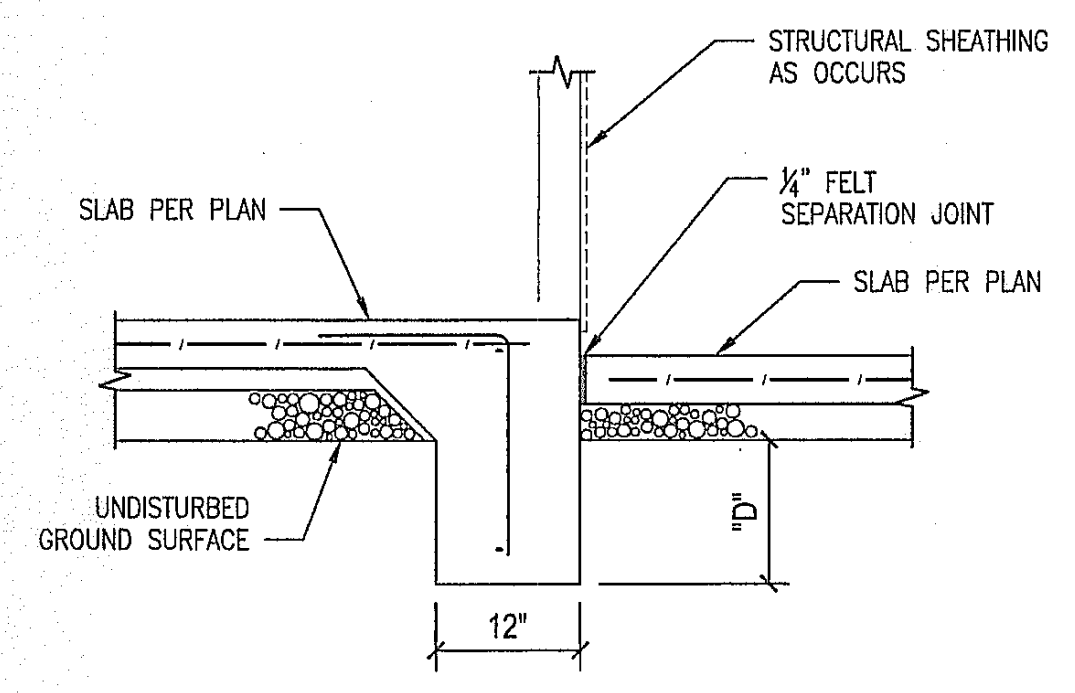
DETAIL A  
3/4" = 1'-0"



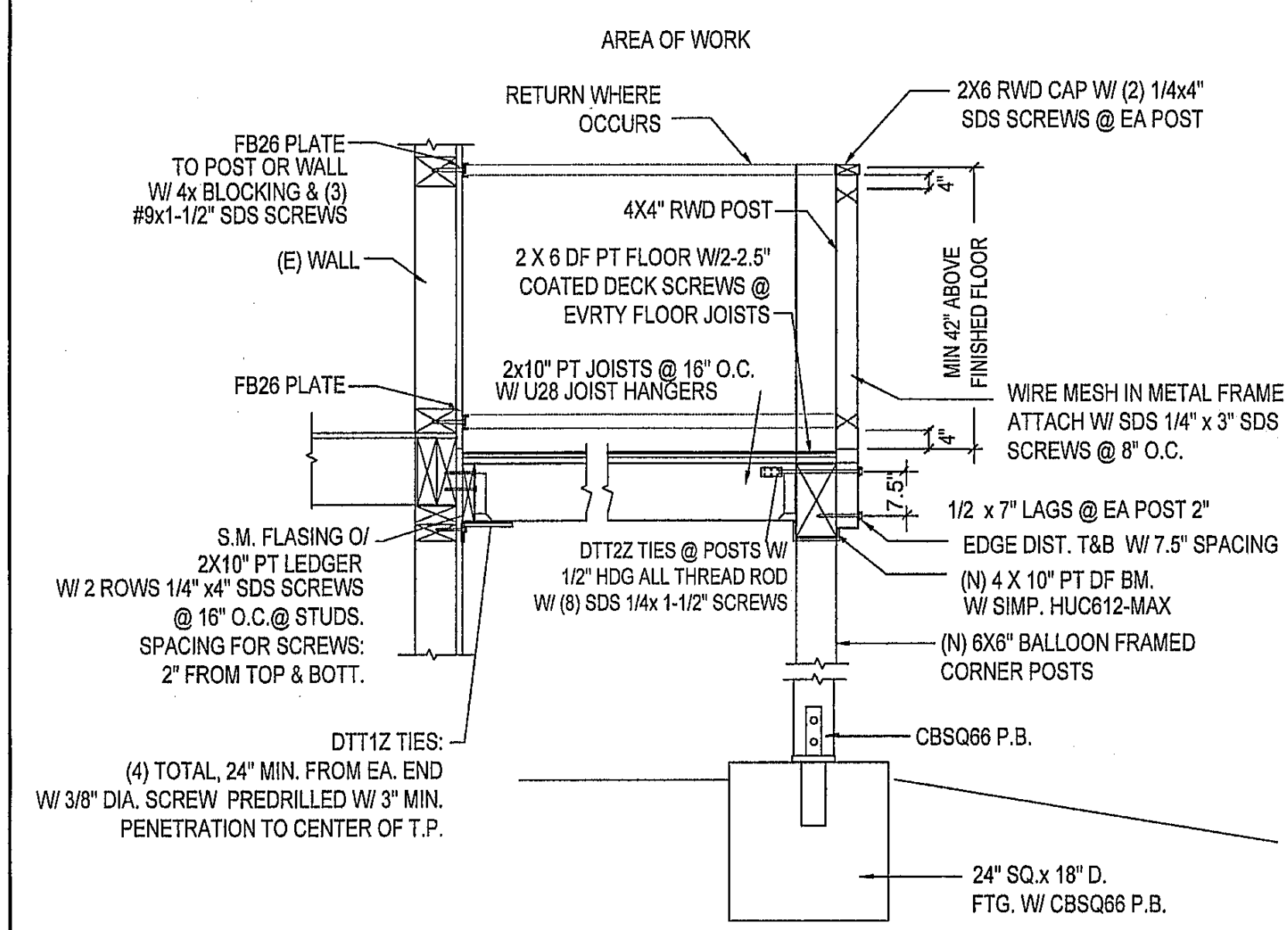
DETAIL B  
3/4" = 1'-0"



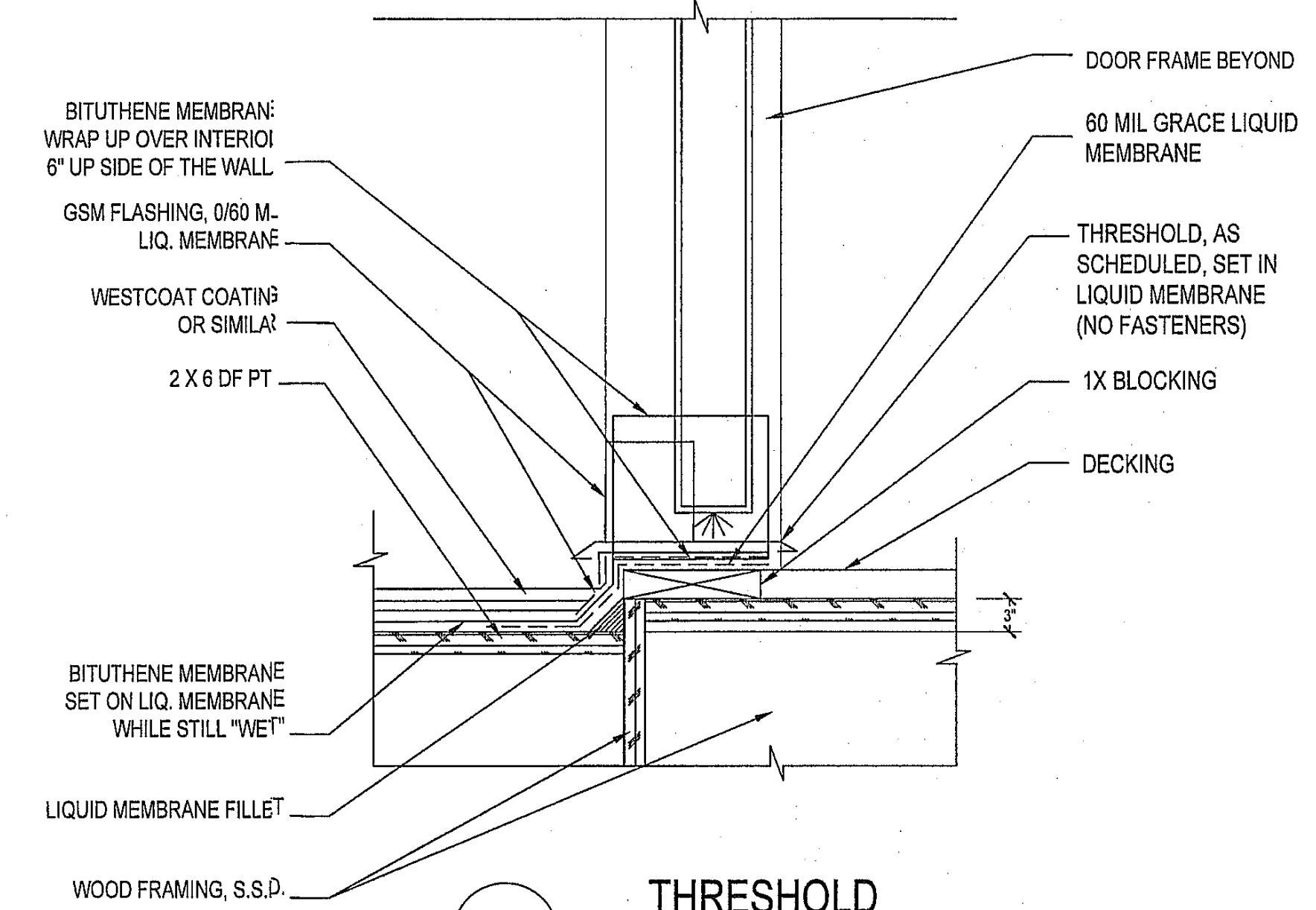
DETAIL C  
3/4" = 1'-0"



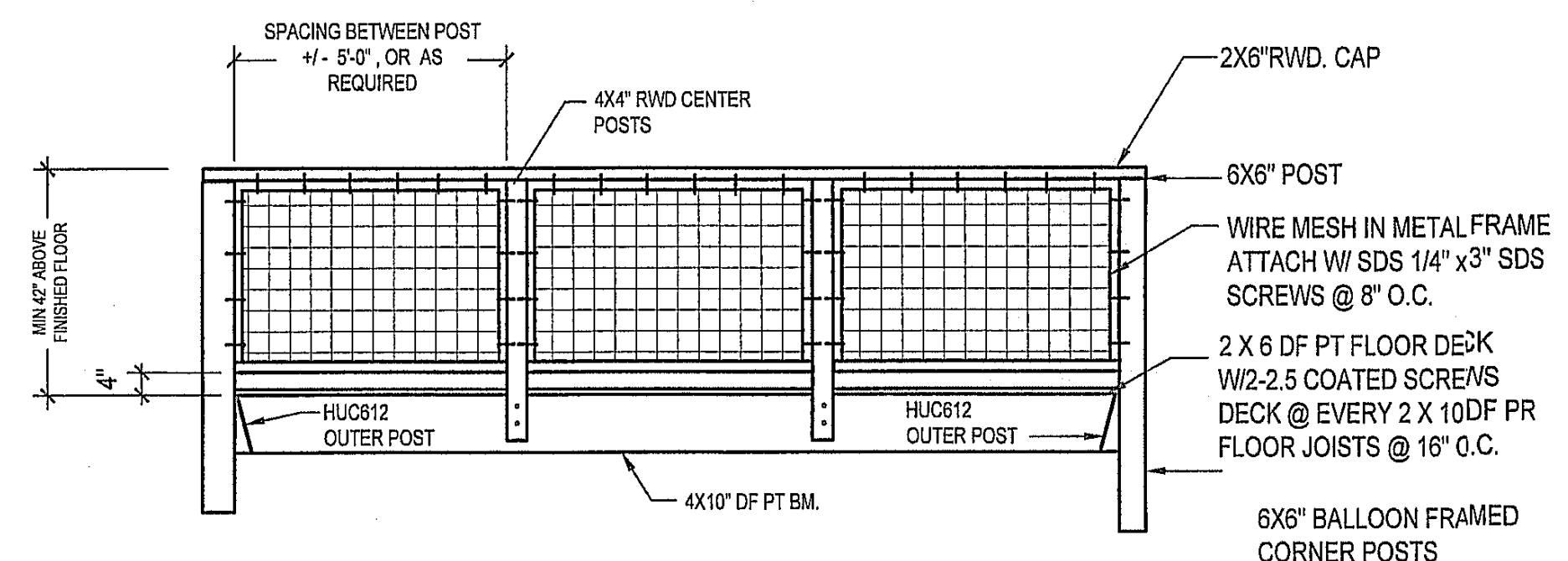
DETAIL D  
3/4" = 1'-0"



1 RAILING DETAIL

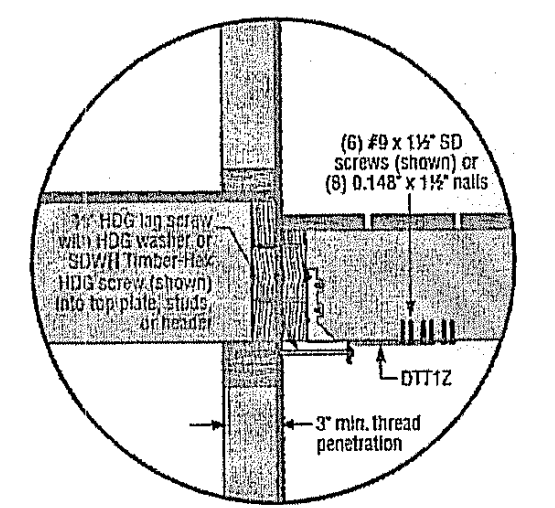
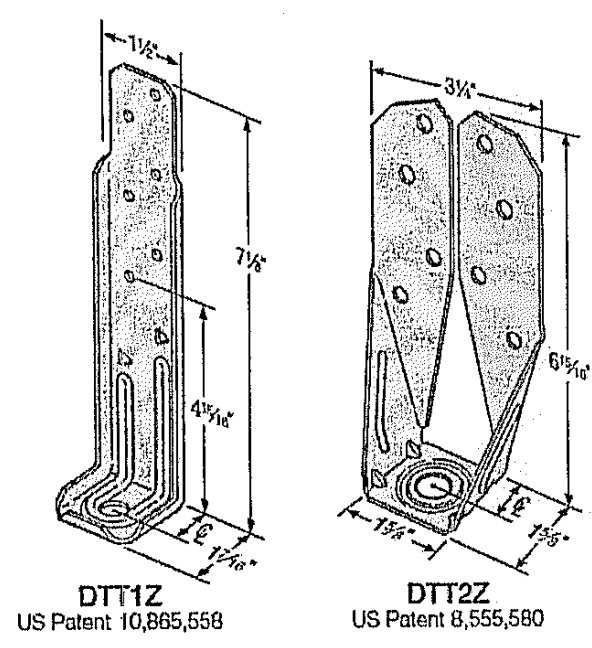


2 THRESHOLD

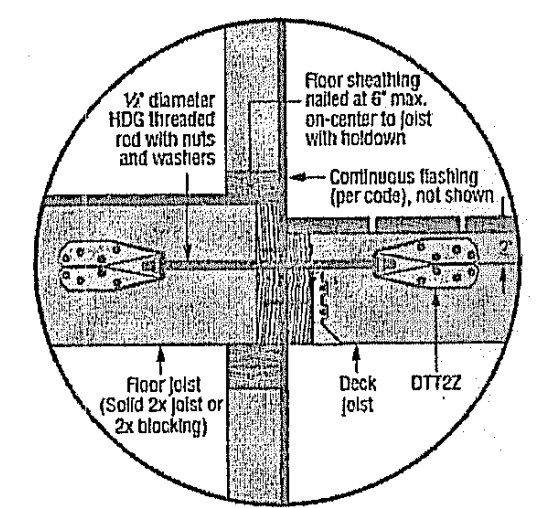


3- RAILING DETAIL

- NOTES:
1. THE MAXIMUM DISTANCE BETWEEN ALL HORIZONTAL RAIL OPENINGS IS 4 INCHES
  2. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4" MIN AND 6.25" MAXIMUM, AN O.D. CROSS-SECTION DIMENSION 2.25" MAXIMUM. SEE CA BUILDING CODE SECTION 11B-505.7.2
  3. RAILINGS SHALL BE CAPABLE OF WITHSTANDING A 50 POUND LINEAR OR 200 POUND CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY LOCATION PER 2019 CBC 1607.8.1
  4. ALL HARDWARE CONNECTORS (HANGERS, CLIPS, NAILS, ETC) ATTACHED TO PRESERVATIVE TREATED LUMBER SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER 2019 CBC 2304.10.5



Typical DTT1Z Deck-to-House Lateral Load Connection  
For more information on lateral load connections, see technical bulletin T-C-DECKLAT at strongtie.com



4- Typical DTT2Z Deck-to-House Lateral Load Connection  
For more information on lateral load connections, see technical bulletin T-C-DECKLAT at strongtie.com

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PROJECT NAME:

STRUCTURAL  
DETAILS 2 AND DECK  
FRAMING DETAILS

ADDRESS:  
249 CIMMARON CIR.,  
FOLSOM, CA 95630

DATE: 10/21/24  
JOB NO.

SD2





GENERAL INFORMATION table with columns for Item, Project Name, Run Title, Project Location, City, Zip code, Climate Zone, Building Type, Project Scope, Addition Cond. Floor Area (ft²), Existing Cond. Floor Area (ft²), Total Cond. Floor Area (ft²), ADU Bedroom Count, Fuel Type.

COMPLIANCE RESULTS table with columns for Item, Building Complies with Computer Performance, This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.

ZONE INFORMATION table with columns for Item, Zone Name, Zone Type, HVAC System Name, Zone Floor Area (ft²), Avg. Ceiling Height, Water Heating System 1, Status.

OPAQUE SURFACES table with columns for Item, Name, Zone, Construction, Azimuth, Orientation, Gross Area (ft²), Window and Door Area (ft²), Tilt (deg), Wall Exceptions, Status, Verified Existing Condition.

FENESTRATION / GLAZING table with columns for Item, Name, Type, Surface, Orientation, Azimuth, Width (ft), Height (ft), Mult., Area (ft²), U-factor, SHGC, SHGC Source, Exterior Shading, Status, Verified Existing Condition.

OPAQUE DOORS table with columns for Item, Name, Side of Building, Area (ft²), U-factor, Status, Verified Existing Condition.

OVERHANGS AND FINS table with columns for Item, Window, Overhang, Left Fin, Right Fin, Depth, Top Up, Dist L, Bot Up, Depth, Top Up, Dist R, Bot Up, Status, Verified Existing Condition, Existing Construction.

ENERGY USE SUMMARY table with columns for Energy Use, Standard Design Source Energy (EDR1) (kBtu/ft²-yr), Standard Design TDV Energy (EDR2) (kTDU/ft²-yr), Proposed Design Source Energy (EDR1) (kBtu/ft²-yr), Proposed Design TDV Energy (EDR2) (kTDU/ft²-yr), Compliance Margin (EDR1), Compliance Margin (EDR2).

OPAQUE SURFACES table with columns for Item, Name, Zone, Construction, Azimuth, Orientation, Gross Area (ft²), Window and Door Area (ft²), Tilt (deg), Wall Exceptions, Status, Verified Existing Condition.

ATTIC table with columns for Item, Name, Construction, Type, Roof Rise (x in 12), Roof Reflectance, Roof Emittance, Radiant Barrier, Cool Roof, Status, Verified Existing Condition.

FENESTRATION / GLAZING table with columns for Item, Name, Type, Surface, Orientation, Azimuth, Width (ft), Height (ft), Mult., Area (ft²), U-factor, SHGC, SHGC Source, Exterior Shading, Status, Verified Existing Condition.

OPAQUE SURFACE CONSTRUCTIONS table with columns for Item, Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, Assembly Layers.

ENERGY USE INTENSITY table with columns for Item, Standard Design (kBtu/ft²-yr), Proposed Design (kBtu/ft²-yr), Compliance Margin (kBtu/ft²-yr), Margin Percentage.

REQUIRED SPECIAL FEATURES table with columns for Item, Feature description.

HERS FEATURE SUMMARY table with columns for Item, Feature description.

BUILDING - FEATURES INFORMATION table with columns for Item, Project Name, Conditioned Floor Area (ft²), Number of Dwelling Units, Number of Bedrooms, Number of Zones, Number of Ventilation Cooling Systems, Number of Water Heating Systems.

FENESTRATION / GLAZING table with columns for Item, Name, Type, Surface, Orientation, Azimuth, Width (ft), Height (ft), Mult., Area (ft²), U-factor, SHGC, SHGC Source, Exterior Shading, Status, Verified Existing Condition.

OPAQUE SURFACE CONSTRUCTIONS table with columns for Item, Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, Assembly Layers.

BUILDING ENVELOPE - HERS VERIFICATION table with columns for Item, Quality Insulation Installation (QII), High R-value Spray Foam Insulation, Building Envelope Air Leakage, CFM50.

WATER HEATING SYSTEMS table with columns for Item, Name, System Type, Distribution Type, Water Heater Name, Number of Units, Solar Heating System, Compact Distribution, HERS Verification, Water Heater Name (#), Status, Verified Existing Condition, Existing Water Heating System.

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Name	Heating Element Type	Tank Type	# of Units	Tank Vol. (gal)	Heating Efficiency Type	Efficiency	Rated Input Type	Input Rating or Pilot	Tank Insulation R-value (Int/Ext)	Standby Loss or Recovery Eff	1st Hr. Rating or Flow Rate	Tank Location	Status	Verified Existing Condition
DHW Heater 1	Gas	Small Storage	1	50	EF	0.63	Btu/Hr	75000	0	80	n/a		Existing	No

01	02	03	04	05	06	07
Name	Pipe Insulation	Parallel Piping	Compact Distribution	Compact Distribution Type	Recirculation Control	Shower Drain Water Heat Recovery
DHW Sys 1 - 1/1	Not Required	Not Required	Not Required	None	Not Required	Not Required

01	02	03	04	05	06	07	08	09	10	11	12
Name	System Type	Heating Unit Name	Heating Equipment Count	Cooling Unit Name	Cooling Equipment Count	Fan Name	Distribution Name	Required Thermostat Type	Status	Verified Existing Condition	Existing HVAC System
Existing HVAC1	Heating and cooling system other	Heating Component 1	1	Cooling Component 1	1	HVAC Fan 1	Air Distribution System 1	n/a	Existing	No	
Addition HVAC2	Heating and cooling system other	Heating Component 2	1	Cooling Component 2	1	HVAC Fan 2	Air Distribution System 2	Setback	New	No	

Registration Number: 424-P010197099A-000-000-000000-0000  
Registration Date/Time: 09/02/2024 17:00  
HERS Provider: CHEERS  
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CA Building Energy Efficiency Standards - 2022 Residential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220901  
Report Generated: 2024-09-02 16:36:03

01	02	03	04	05
Name	System Type	Number of Units	Heating Efficiency	Heating Unit Brand
Heating Component 1	Central gas furnace	1	AFUE - 78	n/a
Heating Component 2	Central gas furnace	1	AFUE - 94	n/a

01	02	03	04	05	06	07	08	09
Name	System Type	Number of Units	Efficiency Metric	Efficiency EER/EER2/CEER	Efficiency SEER/SEER2	Zonally Controlled	Multi-speed Compressor	HERS Verification
Cooling Component 1	Central split AC	1	EER/SEER	10	13	Not Zonal	Single Speed	Cooling Component 1-HERS-cool
Cooling Component 2	Central split AC	1	EER/SEER	12.5	16	Not Zonal	Single Speed	Cooling Component 2-HERS-cool

01	02	03	04	05	06
Name	Verified Airflow	Airflow Target	Verified EER/SEER2	Verified SEER/SEER2	Verified Refrigerant Charge
Cooling Component 2-HERS-cool	Required	350	Required	Required	Required

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Name	Type	Design Type	Duct Ins. R-value	Return R-value	Supply R-value	Return R-value	Surface Area	Bypass Duct	Duct Leakage	HERS Verification	Status	Verified Existing Condition	Existing Distribution system	New Ducts >= 25 ft	
Air Distribution System 1	Unconditioned attic	Non-Verified	R-4.2	R-4.2	Attic	Attic	n/a	n/a	No Bypass Duct	Existing (not specified)	Existing	No			n/a
Air Distribution System 2	Unconditioned attic	Non-Verified	R-8	R-8	Attic	Attic	n/a	n/a	No Bypass Duct	Sealed and Tested	Alteration	No			n/a

01	02	03	04	05	06	07	08	09
Name	Duct Leakage Verification	Duct Leakage Target (%)	Verified Duct Location	Verified Duct Design	Buried Ducts	Deeply Buried Ducts	Low-leakage Air Handler	Low Leakage Ducts Entirely in Conditioned Space
Air Distribution System 2-HERS-dist	Yes	30.0	Not Required	Not Required	Not Required	Credit not taken	Not Required	No

01	02	03	04
Name	Type	Fan Power (Watts/CFM)	Name
HVAC Fan 1	HVAC Fan	0.58	HVAC Fan 1-HERS-fan
HVAC Fan 2	HVAC Fan	0.45	HVAC Fan 2-HERS-fan

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01	02	03
Name	Verified Fan Watt Draw	Required Fan Efficacy (Watts/CFM)
HVAC Fan 1-HERS-fan	Not Required	0
HVAC Fan 2-HERS-fan	Required	0.45

01	02	03	04	05	06	07	08	09
Dwelling Unit	Airflow (CFM)	Fan Efficacy (W/CFM)	IAQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recovery Effectiveness - SRE/ASRE	Includes Fault Indicator Display?	HERS Verification	Status
Sfam IAQVentRgt	144	0.35	Exhaust	No	n/a / n/a	No	Yes	

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**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: David Morgan	Documentation Author Signature: <i>David Morgan</i>
Company: Red Tape Express	Signature Date: 09/02/2024
Address: 6015 Bear Creek Court Elk Grove, CA 95758	CEA/HERS Certification Identification (if applicable): Phone: (916) 684-6687

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
I certify the following under penalty of perjury, under the laws of the State of California:

- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance.
- I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Responsible Designer Name: John Radu	Responsible Designer Signature: <i>John Radu</i>
Company: Radu General Construction	Date Signed: 09/02/2024
Address: 4916 Melvin Drive Carmichael, CA 95608	License: 804432 Phone: (916) 425-1067

Digitally signed by California Home Energy Efficiency Rating Services (CHEERS). This digital signature is provided in order to secure the content of this registered document, and it in no way creates legal action or liability for the accuracy of the information.

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**Red Tape Express**  
6015 Bear Creek Court  
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(916) 684-6687 (Phone) (916) 776-1687 (Fax)

**Title 24 Energy Compliance Documentation**

**Chis Residence Addition**  
249 Cimarron Circle  
Folsom, California 95630  
Job Number: JRC-508A.5

**T24-2**



### 2022 Single-Family Residential Mandatory Requirements Summary

NOTE: Single-family residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information.

Table of 2022 Single-Family Residential Mandatory Requirements Summary. Includes sections for Building Envelope, Fireplaces, Space Conditioning, Water Heating, and Plumbing Systems.

5/6/22



### 2022 Single-Family Residential Mandatory Requirements Summary

Table of 2022 Single-Family Residential Mandatory Requirements Summary. Includes sections for Energy Storage System (ESS) Ready, Heat Pump Space Heater Ready, Electric Cooktop Ready, and Electric Clothes Dryer Ready.

\*Exceptions may apply.

5/6/22



### 2022 Single-Family Residential Mandatory Requirements Summary

Table of 2022 Single-Family Residential Mandatory Requirements Summary. Includes sections for Pilot Lights, Building Cooling and Heating Loads, Clearances, Liquid Line Drier, Water Heating, Space Conditioning System, and Ducts and Fans.

5/6/22

### RESIDENTIAL MEASURES SUMMARY RMS-1

RESIDENTIAL MEASURES SUMMARY RMS-1. Summary table for 249 Cimmeron Circle, Folsom, CA. Includes sections for INSULATION, FENESTRATION, HVAC SYSTEMS, HVAC DISTRIBUTION, and WATER HEATING.

EnergyPro 9.3 by EnergySoft User Number 1294 ID: JRC508A5 Page 17 of 26



### 2022 Single-Family Residential Mandatory Requirements Summary

Table of 2022 Single-Family Residential Mandatory Requirements Summary. Includes sections for Space Conditioning System Airflow Rate and Fan Efficacy, Ventilation and Indoor Air Quality, Pool and Spa Systems and Equipment, and Lighting.

5/6/22

### RESIDENTIAL MEASURES SUMMARY RMS-1

RESIDENTIAL MEASURES SUMMARY RMS-1. Summary table for 249 Cimmeron Circle, Folsom, CA. Includes sections for INSULATION, FENESTRATION, HVAC SYSTEMS, HVAC DISTRIBUTION, and WATER HEATING.

EnergyPro 9.3 by EnergySoft User Number 1294 ID: JRC508A5 Page 18 of 26



### 2022 Single-Family Residential Mandatory Requirements Summary

Table of 2022 Single-Family Residential Mandatory Requirements Summary. Includes sections for Screw based luminaires, Light Sources in Enclosed or Recessed Luminaires, Light Sources in Drawers, Cabinets, and Linen Closets, Interior Switches and Controls, Accessible Controls, Multiple Controls, Mandatory Requirements, Energy Management Control Systems, Automatic Shutoff Controls, Independent controls, Dimmers, Internally illuminated address signs, Residential Garages for Eight or More Vehicles, and Solar Readiness.

5/6/22

### RESIDENTIAL MEASURES SUMMARY RMS-1

RESIDENTIAL MEASURES SUMMARY RMS-1. Summary table for 249 Cimmeron Circle, Folsom, CA. Includes sections for INSULATION, FENESTRATION, HVAC SYSTEMS, HVAC DISTRIBUTION, and WATER HEATING.

EnergyPro 9.3 by EnergySoft User Number 1294 ID: JRC508A5 Page 19 of 26

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T24-3