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GENERAL NOTES

1. AN APPROVED SEISMIC GAS SHUT-OFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING.
2. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND AMENDMENTS.
3. THE CONTRACTOR SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS, SURVEY THE PROPERTY AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK. ALL COST SUBMITTED SHALL BE BASED ON A THROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED. ANY DISCREPANCY AND/OR UNCERTAINTY AS TO WHAT MATERIALS OR PRODUCT IS TO BE USED SHOULD BE VERIFIED WITH THE OWNER OR ENGINEER OF RECORD.
4. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE.
5. IN THE EVENT A DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE OWNER AND THE DESIGNER/ENGINEERS SHALL BE NOTIFIED, IN WRITING, IMMEDIATELY.
6. DEMOLITION CONTRACTOR SHALL RELOCATE REUSABLE MATERIALS TO DESIGNATED SALVAGE AREA, NON-USABLE MATERIALS SHALL BE PLACED APPROPRIATELY IN REFUSE BIN AND SHALL BE COVERED AT NIGHT AND DURING RELATIVE HIGH WINDS, RAIN, ETC...REFUSE BIN SHALL BE COVERED DURING TRANSFER TO AND FROM DUMP SITE. CONTRACTOR TO BE LIABLE FOR REFUSE SPILLING. ALL DEBRIS TO BE HAULED AWAY AND CLEAN-UP SHALL BE COMPLETED TO BROOM FINISH. EXISTING MATERIALS AND/OR STRUCTURE TO REMAIN SHALL BE PROTECTED FROM DUST, PAINT CHIPPING, ETC... BY USE OF PLASTIC OR WHATEVER IS REQUIRED FOR PROPER PROTECTION. EXISTING STRUCTURES SHALL HAVE BRACING AND SHORING AS REQUIRED TO PROTECT THE EXISTING STRUCTURE. PROVIDE DE-WATERING FACILITIES FOR CONSTRUCTION AS REQUIRED. COORDINATE AS-BUILT INFORMATION, STRUCTURAL, ETC. TO DESIGNER/ENGINEER AS REQUIRED.
7. THE DISCHARGE OF POLLUTANTS TO ANY STORM DRAINAGE SYSTEM IS PROHIBITED. NO SOID WASTE, PETROLEUM BYPRODUCTS, SOIL PARTICULATE, CONSTRUCTION WASTE MATERIALS, OR WASTEWATER GENERATED ON CONSTRUCTION SITES OR BY CONSTRUCTION ACTIVITIES SHALL BE PLACED, CONVEYED OR DISCHARGED INTO THE STREET, GUTTER OR STORM DRAIN SYSTEM.
8. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULLBOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, PURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
9. WHEN UTILITIES METER ALTERATION / RELOCATION OCCUR, INSTALLATION PROCEDURES SHALL BE VERIFIED AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
10. BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION IN ACCORDANCE WITH SECTION R319 OF THE 2022 CALIFORNIA RESIDENTIAL CODE.
11. THE FINISH GRADE AND IMPERVIOUS SURFACES SHALL DRAIN AWAY FROM THE FOUNDATION WALLS AT A MINIMUM SLOPE OF 2% OR SHALL FALL 6 INCHES WITHIN THE FIRST TEN FEET WHERE POSSIBLE.
12. A FOUNDATION FORMS CERTIFICATION THAT IS CERTIFIED BY A LICENSED LAND SURVEYOR WILL BE REQUIRED TO BE PROVIDED TO THE BUILDING INSPECTOR AT THE FIRST FOOTING INSPECTION.

SITE PLAN NOTES

THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 1 UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT SLOPE) FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT 10 FEET OF HORIZONTAL DISTANCE, A 5-PERCENT SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. SWALES USED FOR THIS PURPOSE SHALL BE SLOPED NOT LESS THAN 2 PERCENT WHERE LOCATED WITHIN 10 FEET OF THE BUILDING FOUNDATION. IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED NOT LESS THAN 2 PERCENT AWAY FROM THE BUILDING.

APPLICABLE CODE

LEGAL JURISDICTION : CITY OF CHULA VISTA, CA 91910

THE CURRENT PREVAILING BUILDING AND CONSTRUCTION CODES ARE AS FOLLOWS:

- 2025 CALIFORNIA RESIDENTIAL CODE
- 2025 CALIFORNIA FIRE CODE
- 2025 CALIFORNIA MECHANICAL CODE
- 2025 CALIFORNIA ELECTRICAL CODE
- 2025 CALIFORNIA PLUMBING CODE
- 2025 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS
- 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE

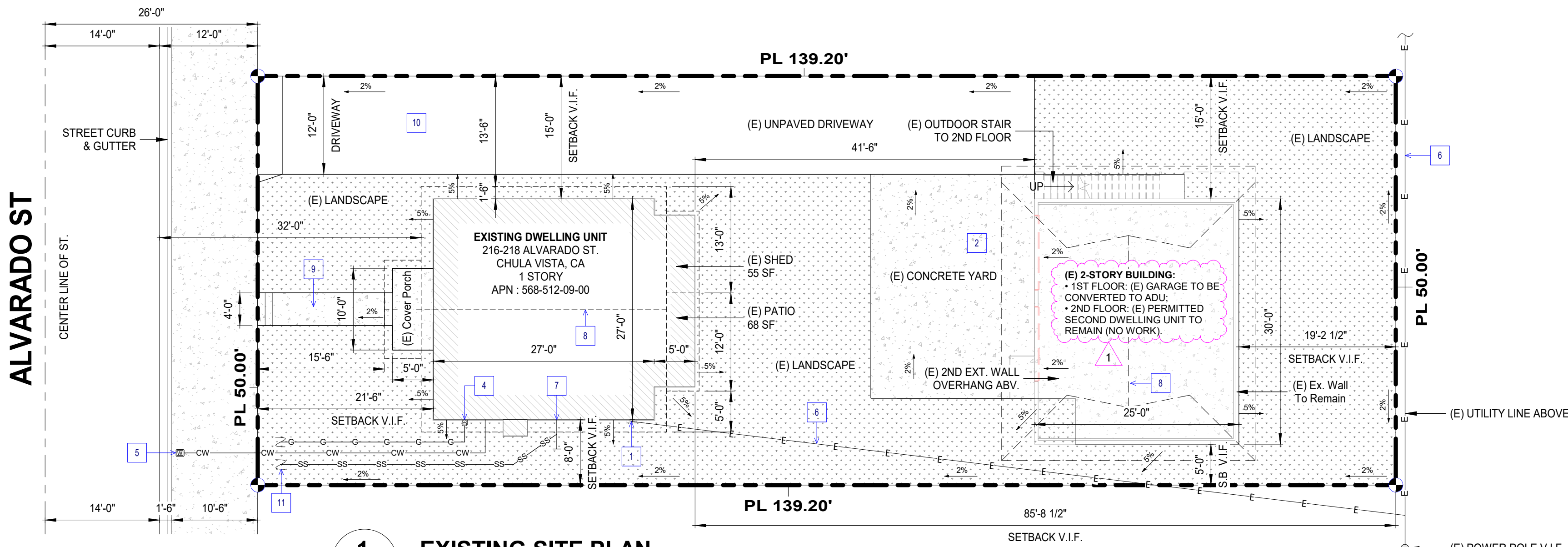
REGULATION OF THE STATE AND LOCAL FIRE MARSHALS & CITY ORDINANCE CHULA VISTA AMENDMENTS AND MUNICIPAL CODE.

PROJECT DATA

JURISDICTION HAVING AUTHORITY:	416-218 ALVARADO STREET, CHULA VISTA, SAN DIEGO, CA
ASSESSORS PARCEL NO. APN:	568-512-09-00
IN FLOOD ZONE FEMA SHIFA'S:	FLOOD ZONE X
CONSTRUCTION TYPE:	V-B
BEDROOMS:	1 BEDROOM (ADU)
ZONING:	R-1 (SINGLE-FAMILY RESIDENCE ZONE)
OCCUPANCY GROUP:	R3(U)
SPRINKLERS:	NO
NUMBER OF STORIES:	2 STORY (LOWER: GARAGE CONVERT TO NEW ADU, UPPER: EXISTING UNIT TO REMAIN)
BUILDING MAX HEIGHT:	22'-0" (NO CHANGE)
REQUIRED SETBACKS:	
REAR SIDE:	19'-2 1/2" (NO CHANGE, V.I.F)
TO (E) MAIN BUILDING:	5'-0" & 15'-0" (NO CHANGE, V.I.F)
SETBACKS INDICATE REQUIRED MINIMUM DISTANCE FROM PROPERTY LINES. CONTRACTOR TO VERIFY ON SITE.	46'-6" (NO CHANGE, V.I.F)
LOT SIZE:	7,201 SF (0.165 ACRE)
EXISTING BUILDING:	
EXISTING MAIN HOUSE:	846 SF (NO CHANGE)
EXISTING COVERED PORCH:	49 SF (NO CHANGE)
EXISTING UPPER FLOOR UNIT:	600 SF (NO CHANGE)
EXISTING GARAGE UNIT:	600 SF (TO BE CONVERTED TO ADU)
NEW CONSTRUCTION:	
(N) CONVERSION ADU LIVING AREA:	600 SF
TOTAL FLOOR AREA:	846 SF + 600 SF + 600 SF = 2,046 SF
TOTAL COVERAGE AREA:	NO CHANGE
MAXIMUM LOT COVERAGE:	45%
TOTAL LOT COVERAGE:	NO CHANGE

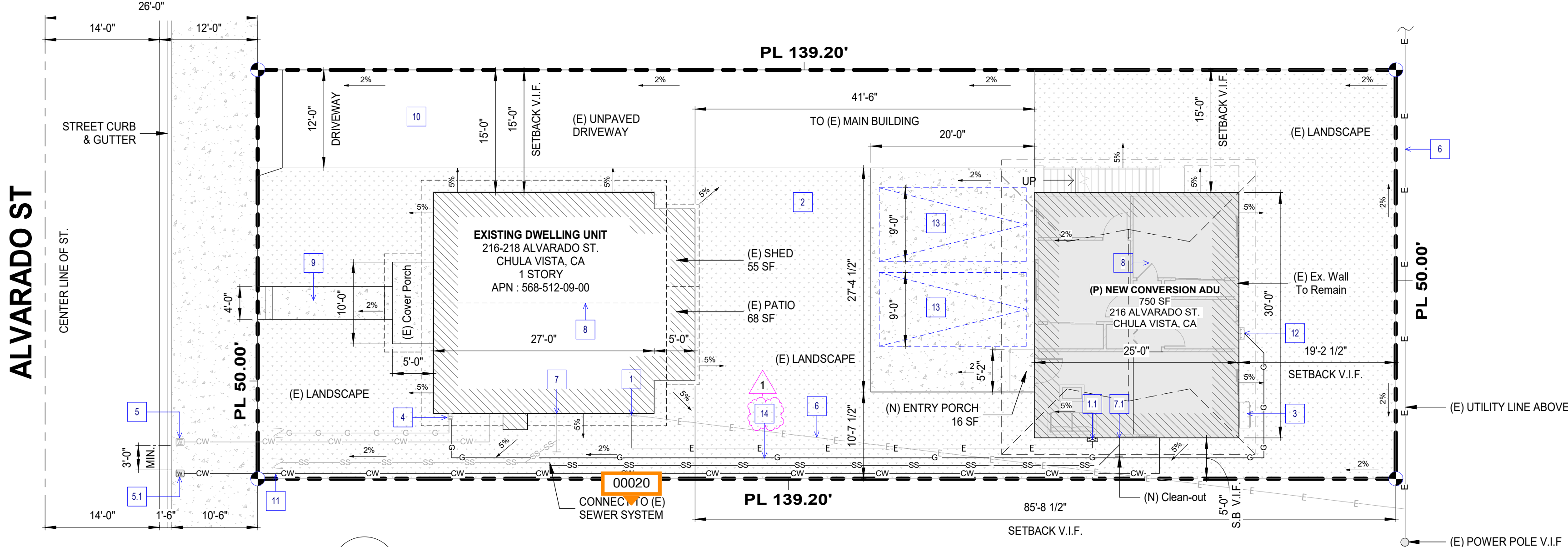
SITE PLAN KEY NOTES

- 1 EXISTING ELECTRICAL METER & PANEL.
- 2 (E) CONCRETE YARD
- 3 (N) MINI-SPLIT A/C UNIT ON PAD 3" MIN
- 4 (E) GAS METER
- 5 EXISTING WATER METER, 1" MIN (V.I.F)
- 6 OVERHEAD ELECTRICAL SERVICE
- 7 (E) SEWER LINES, MIN. 4" DIA. PVC
- 8 ROOF LINE ABOVE .TYP.
- 9 (E) CONCRETE WALKWAY
- 10 (E) UNPAVED DRIVEWAY
- 11 (E) MAIN CITY SEWER LINE CONNECTION
- 12 (N) TANKLESS WATER HEATER
- 13 (N) OPEN PARKING SPACE
- 14 (N) 1" GAS PIPE CONNECTED TO MAIN HOUSE GAS METER
- 15 (N) 100 AMP ELECTRICAL SUBPANEL (125 AMP BUS BAR RATED) FOR ADU
- 16 NEW ADU WATER METER, 1" MIN PER CITY REQ.
- 17 (N) SEWER LINES, MIN. 4" DIA. PVC, SLOPE 1/4-12 FROM ADU CONNECT TO (E) MAIN HOUSE SEWER LINES SYSTEM V.I.F
- 18 (N) SEWER LINES, MIN. 4" DIA. PVC, SLOPE 1/4-12 FROM ADU CONNECT TO (E) MAIN HOUSE SEWER LINES SYSTEM V.I.F
- 19 (N) TANKLESS WATER HEATER
- 20 (N) OPEN PARKING SPACE
- 21 (N) 1" GAS PIPE CONNECTED TO MAIN HOUSE GAS METER



1 EXISTING SITE PLAN

A.01 3/32" = 1'-0"



2 PROPOSED SITE PLAN

A.01 3/32" = 1'-0"

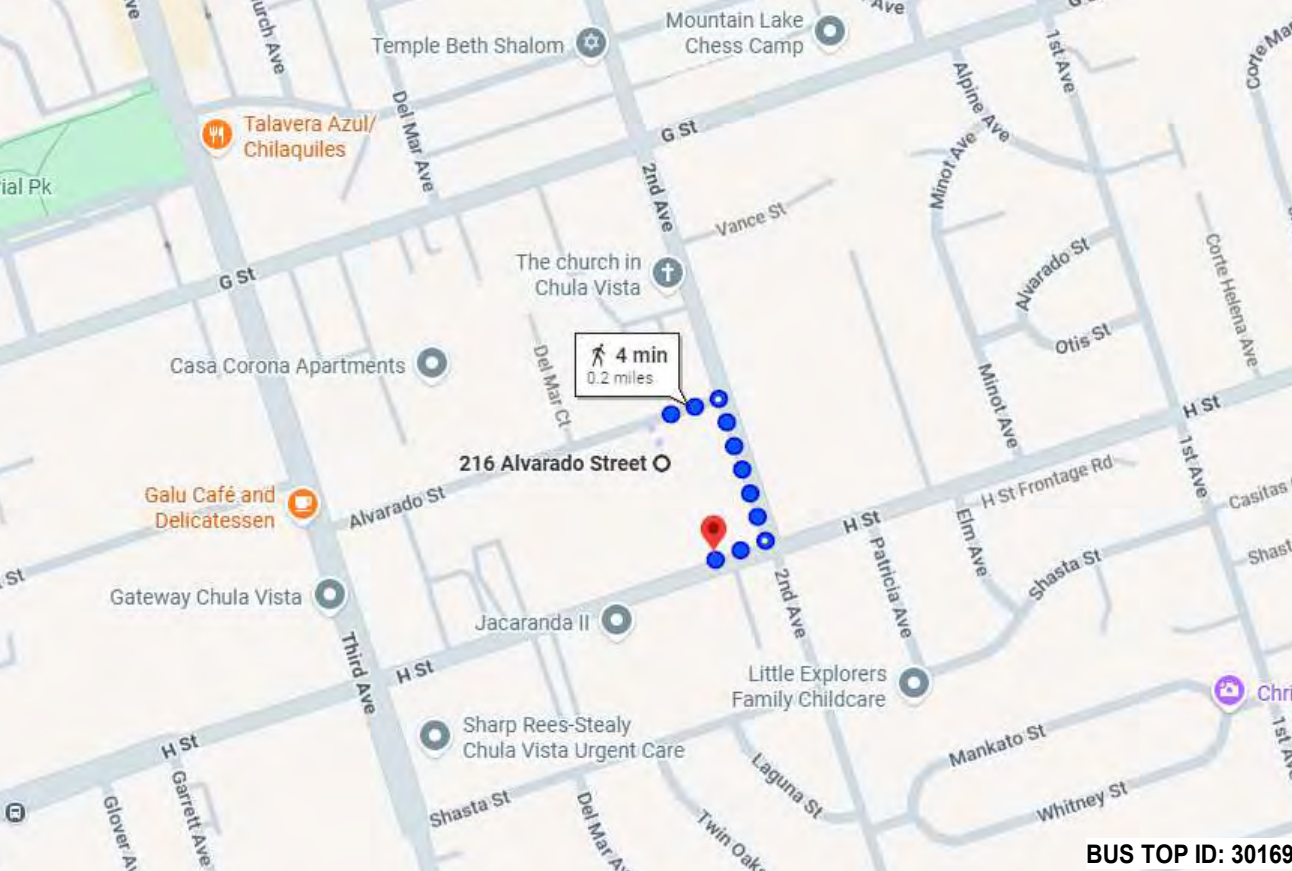
SITE LEGENDS

PROPERTY CORNER	
PROPERTY LINE	
CENTERLINE ROAD	
1" WATER SERVICE LINE PER CITY REQUIREMENTS	
4" SEWER LINE MIN. 1/4-12 SLOPED PER CITY REQUIREMENTS	
1" GAS SUPPLY LINE	
ELECTRICAL LINE	
(E) SITE FLATWORK/ WALKWAY/PATIO	
LANDSCAPE	
EXISTING CONSTRUCTION TO BE DEMOLISHED	
DRAINAGE DIRECTION (PER SURVEYOR)	

PROJECT DIRECTORY

APPLICANT		STRUCTURAL DESIGN	
NAME:	NAME	NAME:	KSU ENGINEERING
ADDRESS:	216-218 ALVARADO ST, CHULA VISTA, CA 91910	ADDRESS:	3603 BAKER STREET, SAN DIEGO, CA 92117
PHONE:	000-000-0000	PHONE:	619-737-2700
ARCHITECTURAL DESIGN			
NAME:	KSU ENGINEERING		
ADDRESS:	3603 BAKER STREET, SAN DIEGO, CA 92117		
PHONE:	619-737-2700		

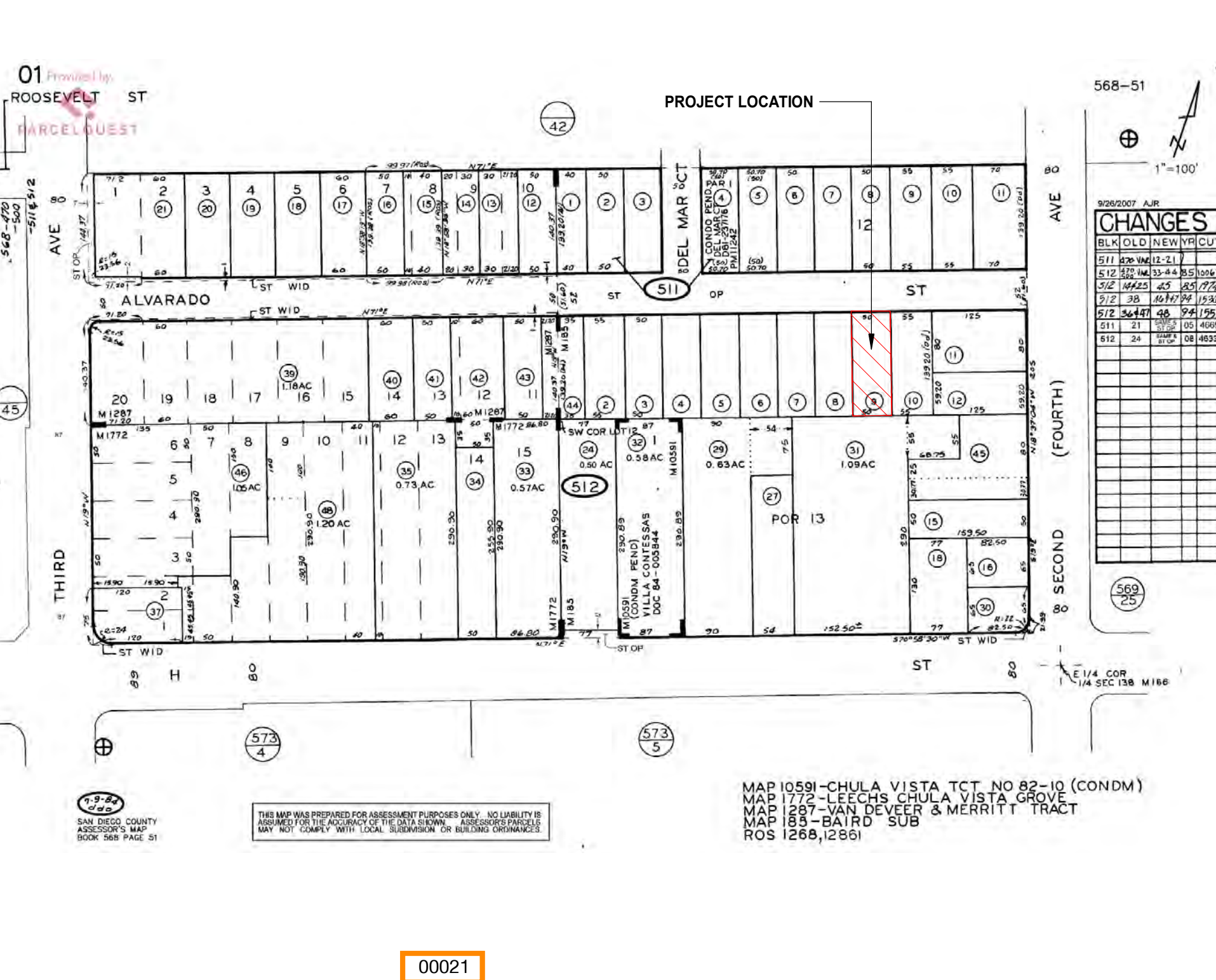
VICINITY MAP



SCOPE OF WORK

CONVERT EXISTING DETACHED GARAGE (ON GROUND FLOOR) INTO A NEW ACCESSORY DWELLING UNIT. PROPOSED 600 SF ADU WITH 2 BEDROOMS AND 2 BATHROOMS, INCLUDING MISCELLANEOUS MECHANICAL, ELECTRICAL, AND PLUMBING WORK. THE UPPER FLOOR IS AN EXISTING PERMITTED SECOND DWELLING UNIT (2-BEDROOM UNIT) WHICH WILL REMAIN.

PARCEL MAP



ALVARADO ST. ADU

216-218 ALVARADO STREET CHULA VISTA, CA

Revisions

Date	Description
1 04-20-2026	Plan check

Drawn by

Checked by

Project Eng.

Scale

Sheet Name

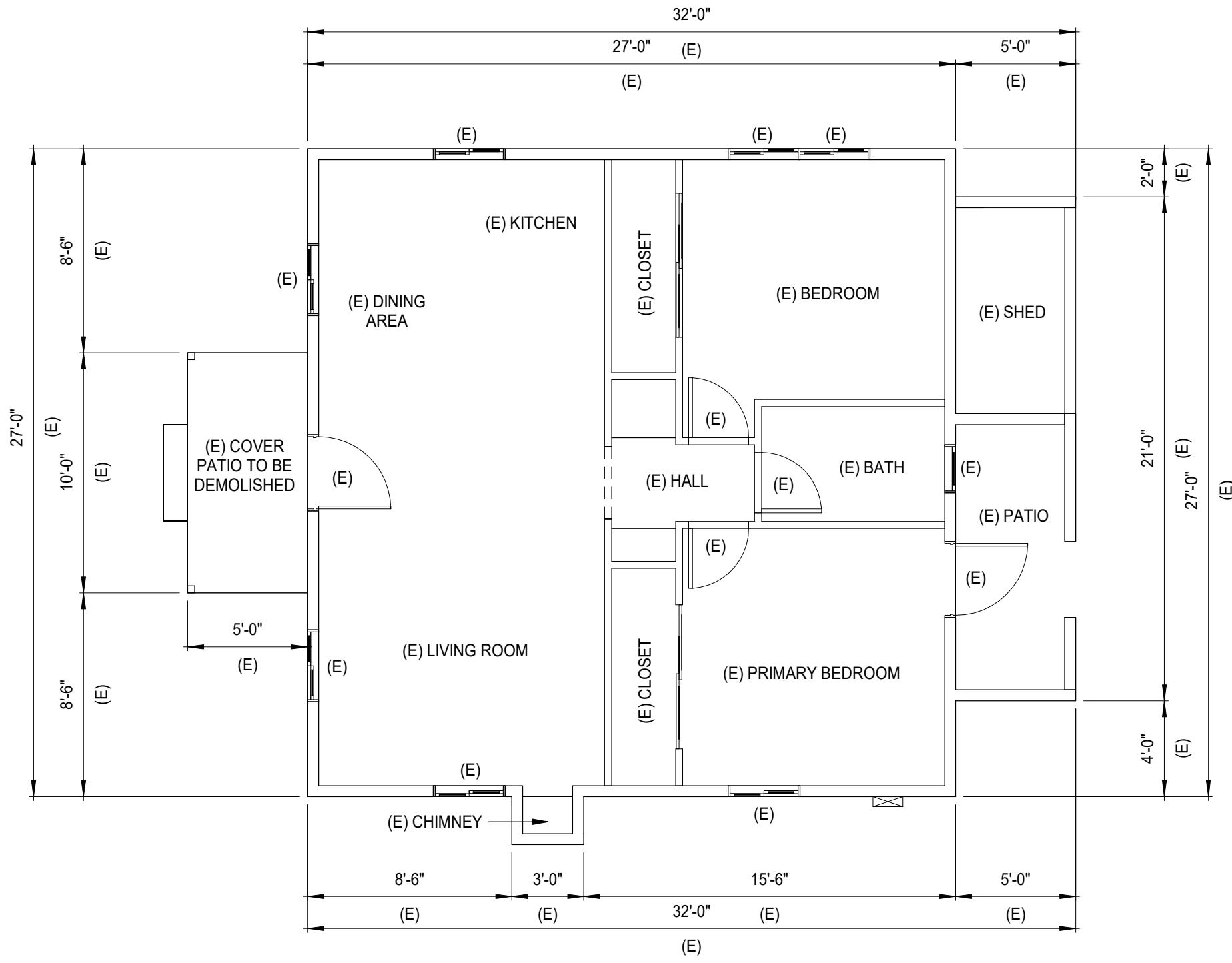
COVER SHEET/ SITE PLAN



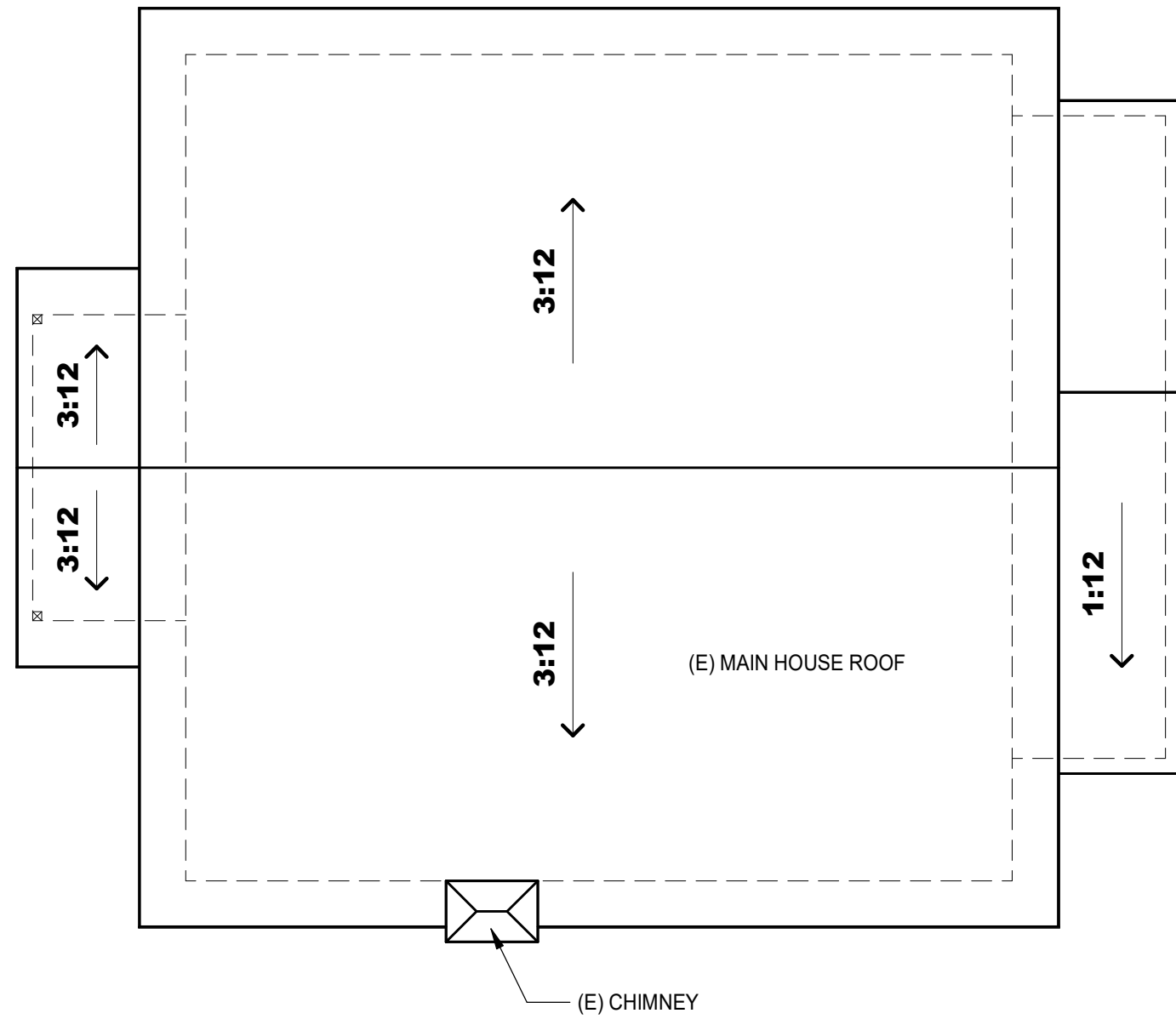
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A.01

Date	Job No	Rev.
11-21-25		#



1
A.02
EXISTING MAIN HOUSE FLOOR PLAN
3/16" = 1'-0"



2
A.02
EXISTING MAIN HOUSE ROOF PLAN
3/16" = 1'-0"

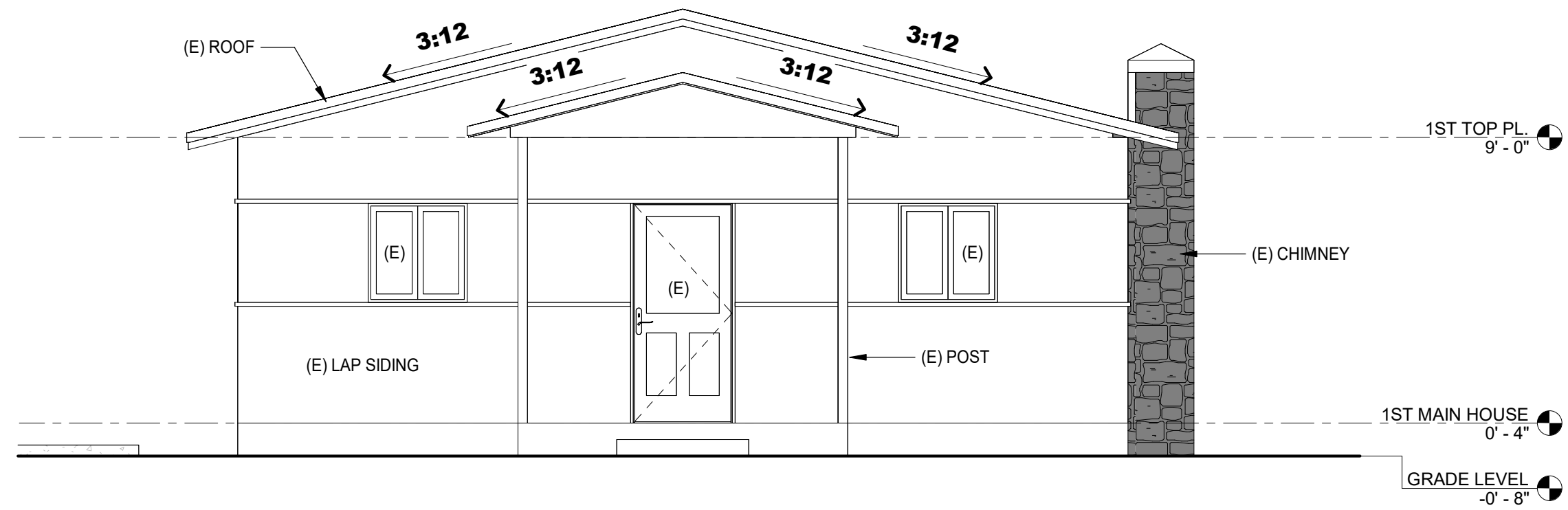
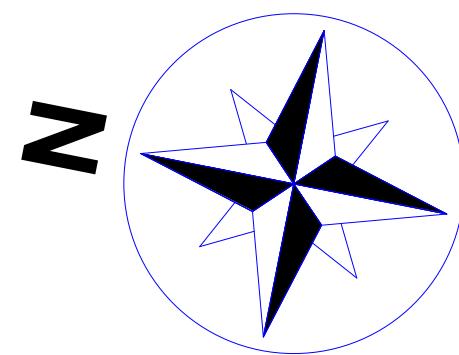
NOTES:

1. ALL DIMENSION ARE EXISTING AND ONLY FOR REFERENCE
2. EXISTING DRAWINGS ARE FOR REFERENCE ONLY, NOT FOR CONSTRUCTION

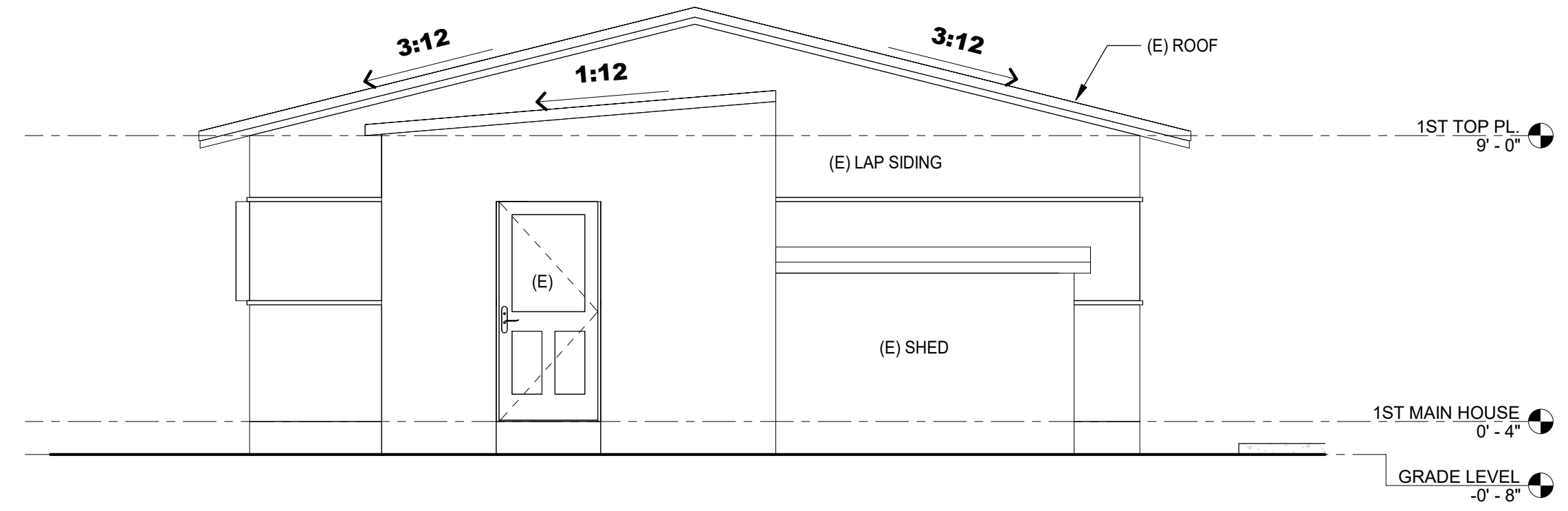
LEGEND:

	EXISTING CONSTRUCTION TO BE REMAINED
	EXISTING CONSTRUCTION TO BE DEMOLISHED
(E)	EXISTING CONSTRUCTION

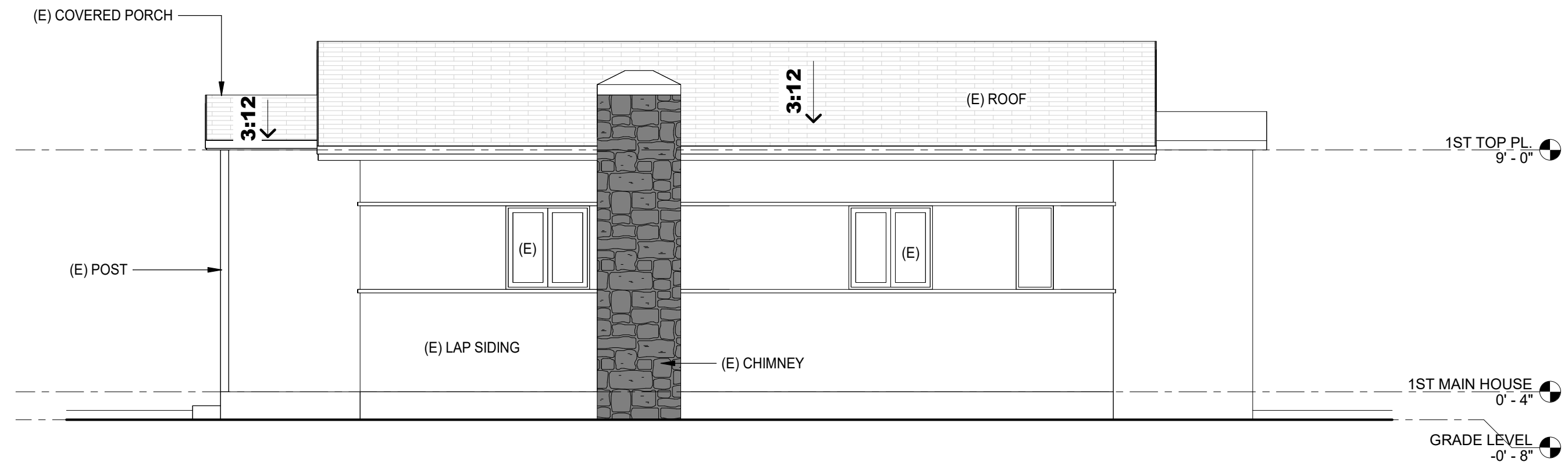
DEMO EXTERIOR WALL TABLE	
EXISTING EXTERIOR WALL (LF')	100 FT
EXISTING TO REMAIN (LF')	81 FT
NEW EXTERIOR WALL (LF')	18 FT



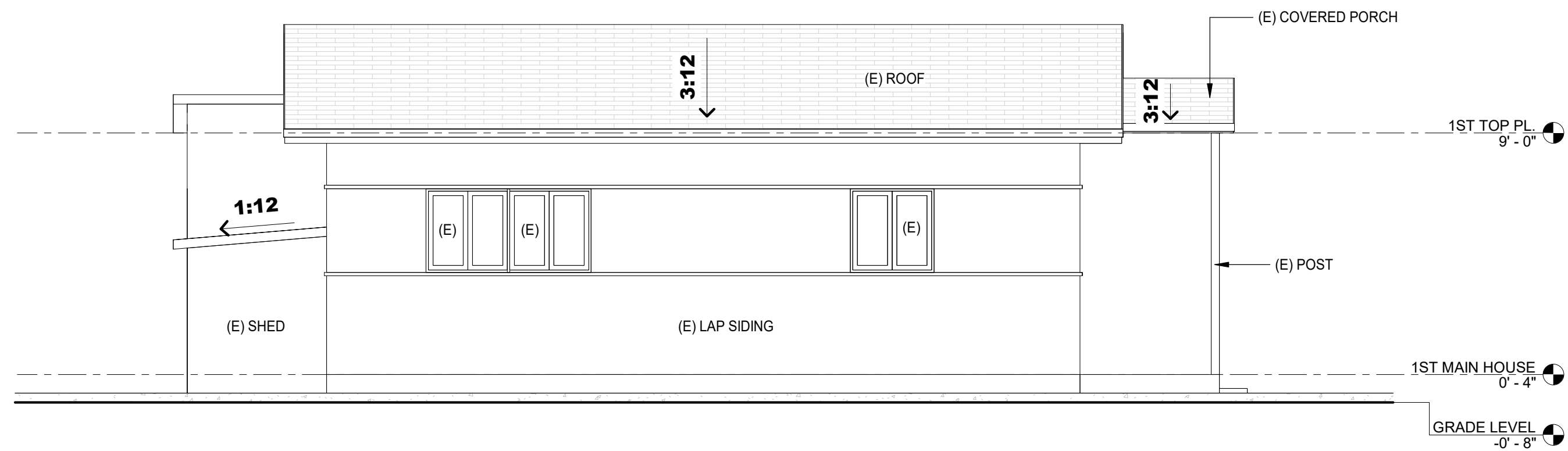
3
A.02
EXISTING MAIN HOUSE_ NORTH WEST ELEVATION
1/4" = 1'-0"



4
A.02
EXISTING MAIN HOUSE_ SOUTH EAST ELEVATION
1/4" = 1'-0"



5
A.02
EXISTING MAIN HOUSE_ SOUTH WEST ELEVATION
1/4" = 1'-0"



6
A.02
EXISTING MAIN HOUSE_ NORTH EAST ELEVATION
1/4" = 1'-0"

Revisions		
Date	Description	
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EXISTING MAIN
HOUSE PLANS &
ELEVATIONS



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A.02

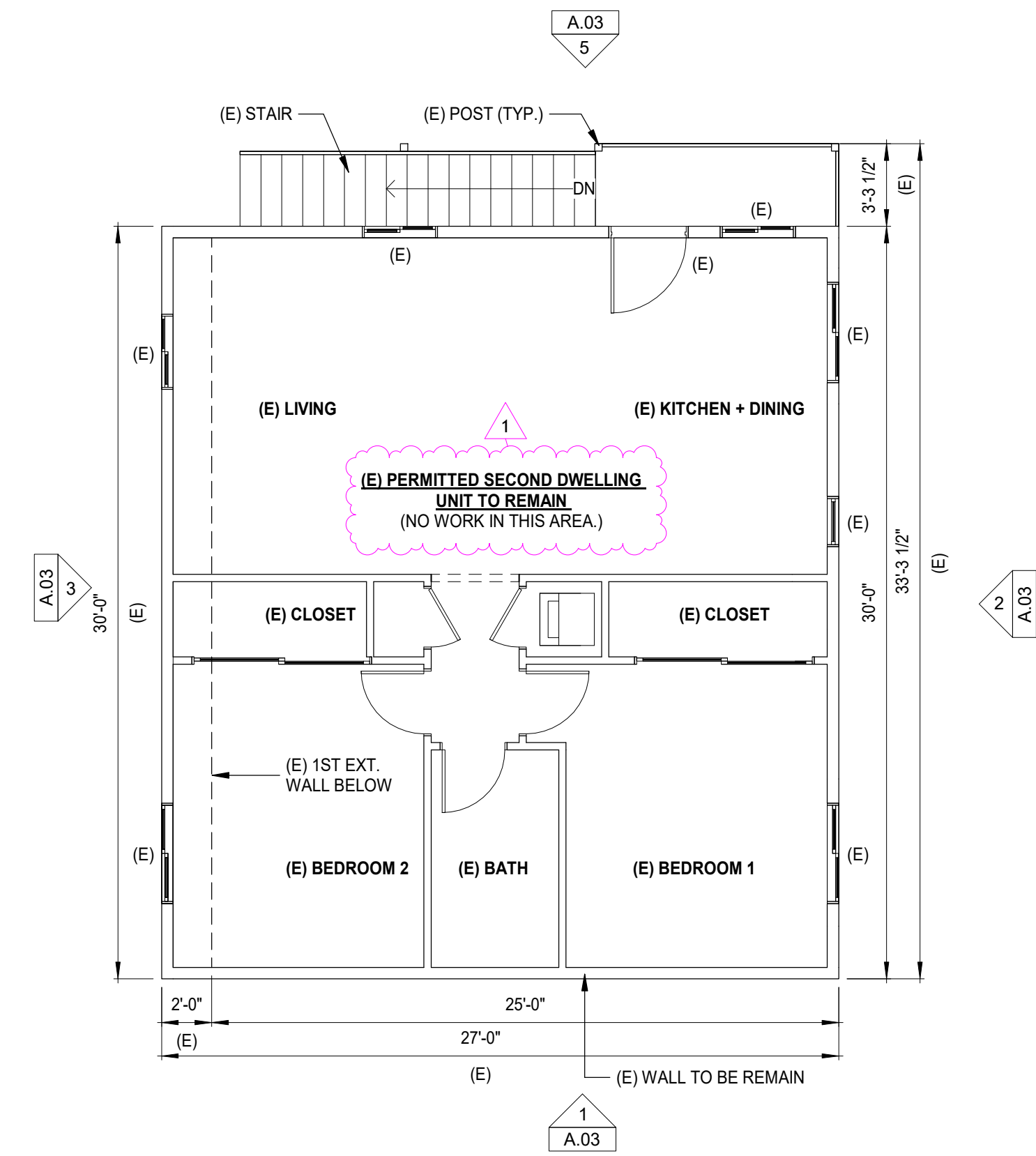
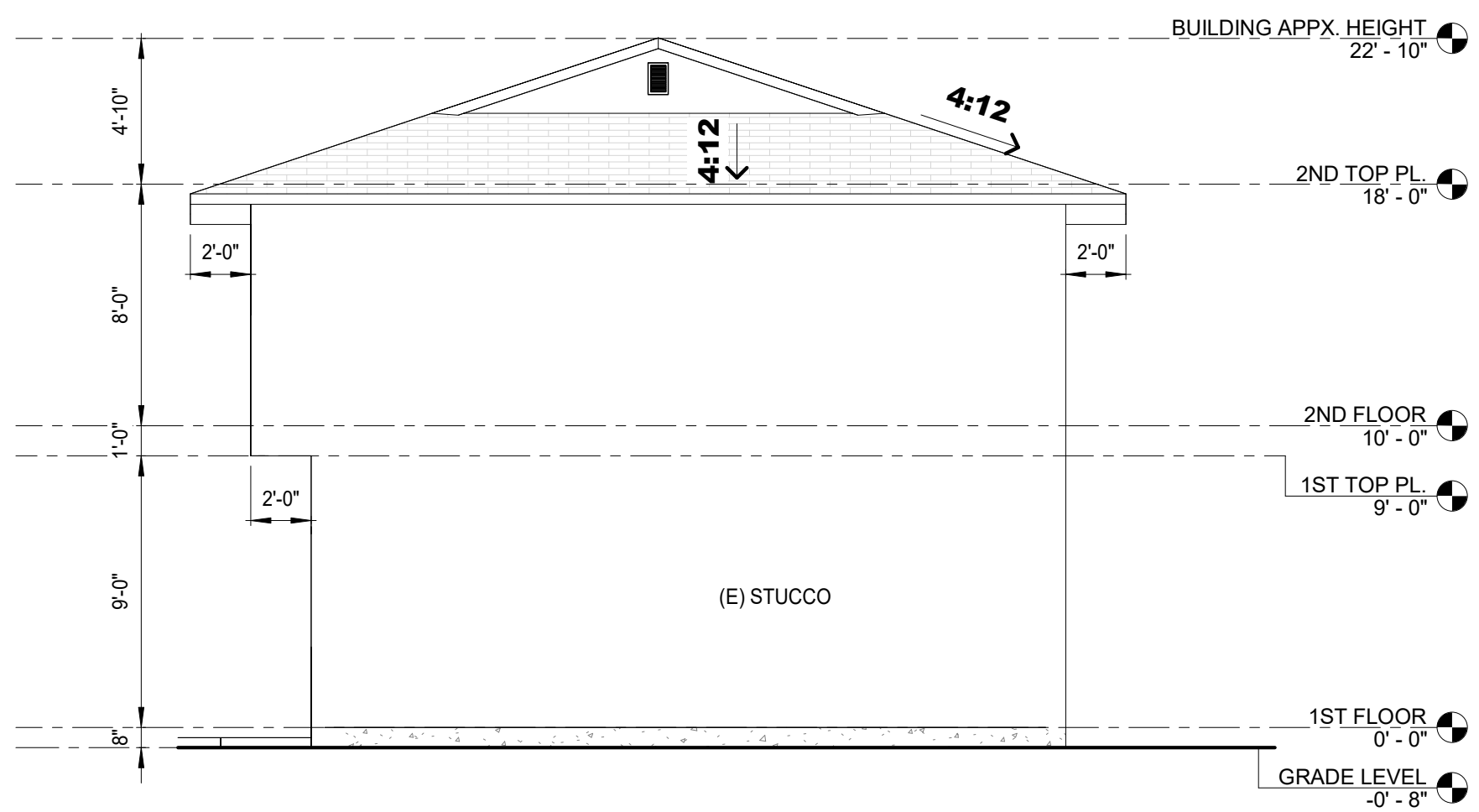
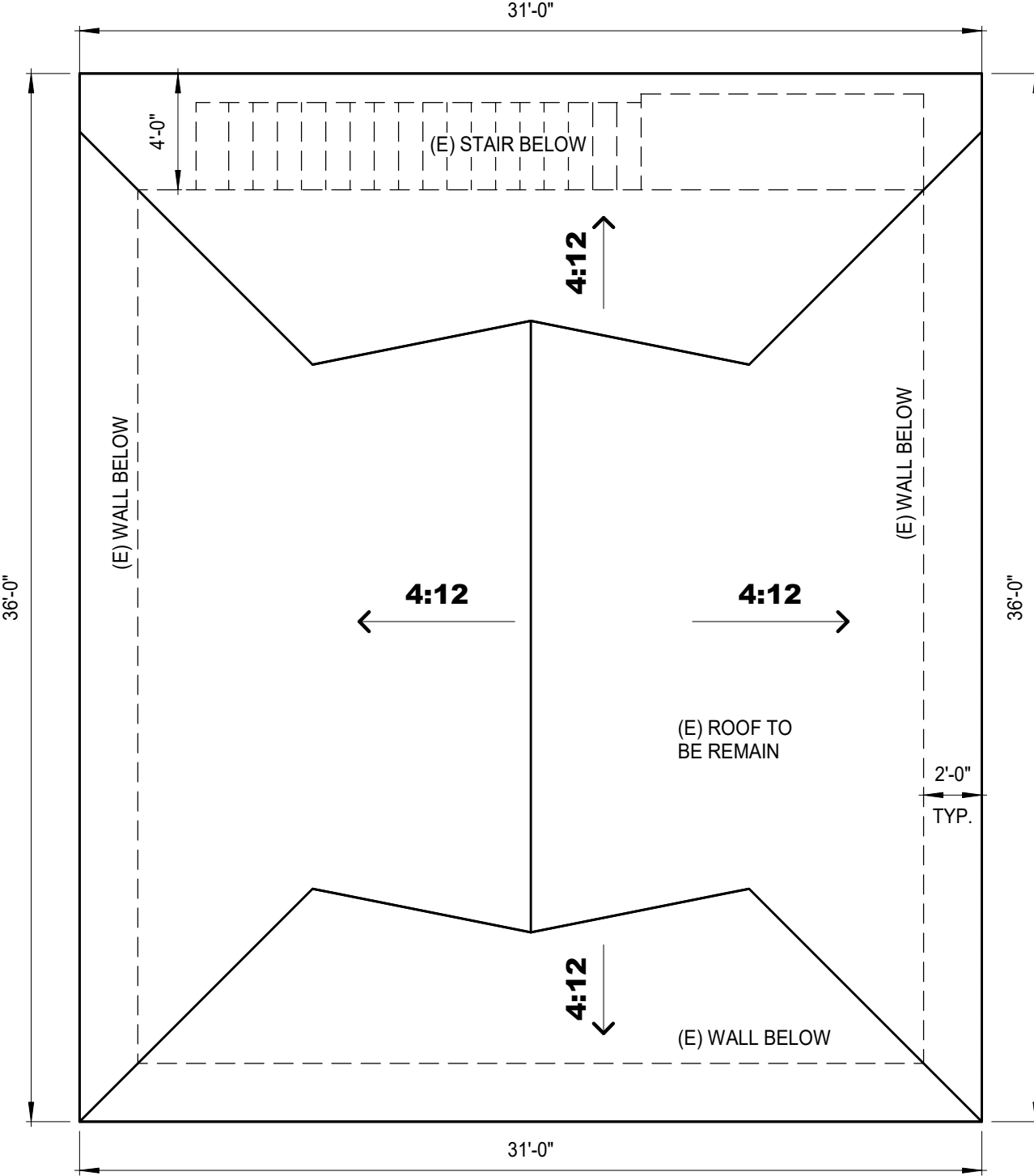
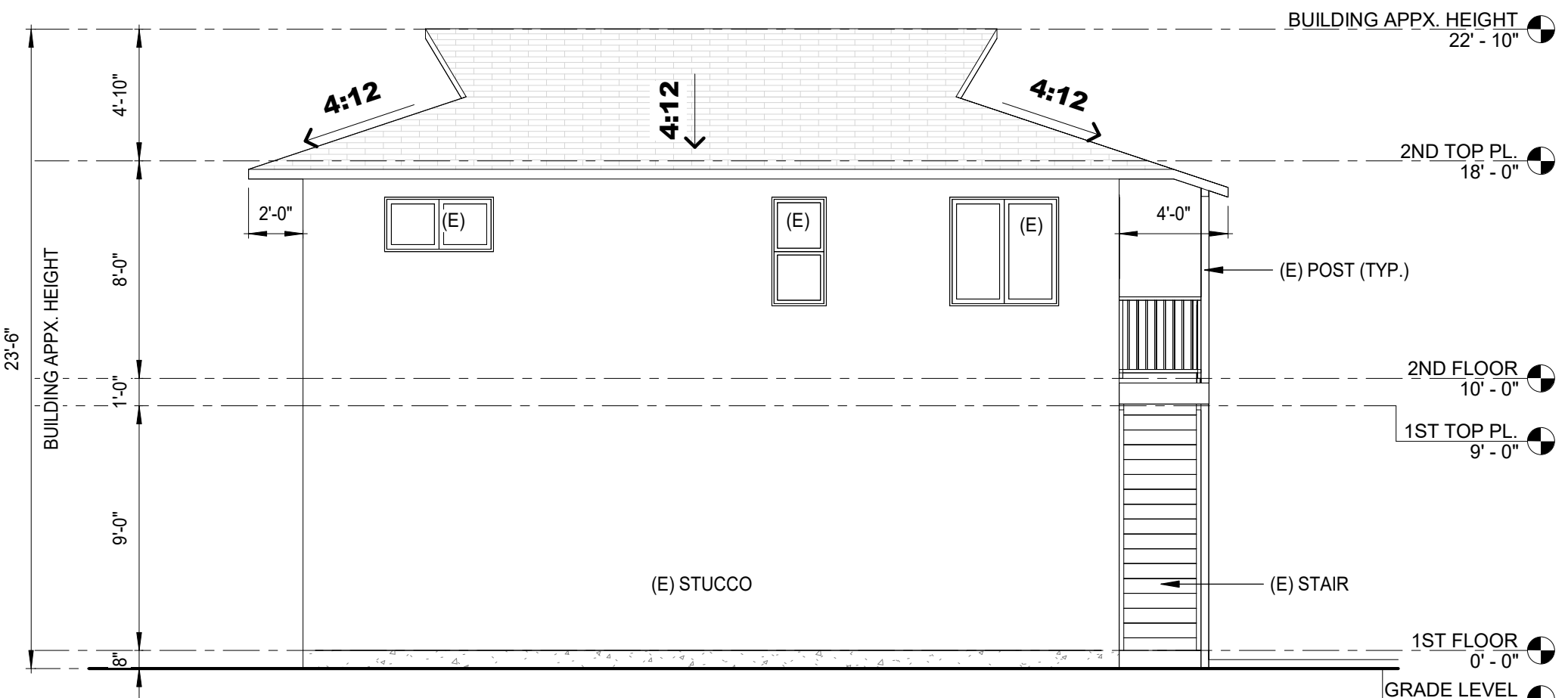
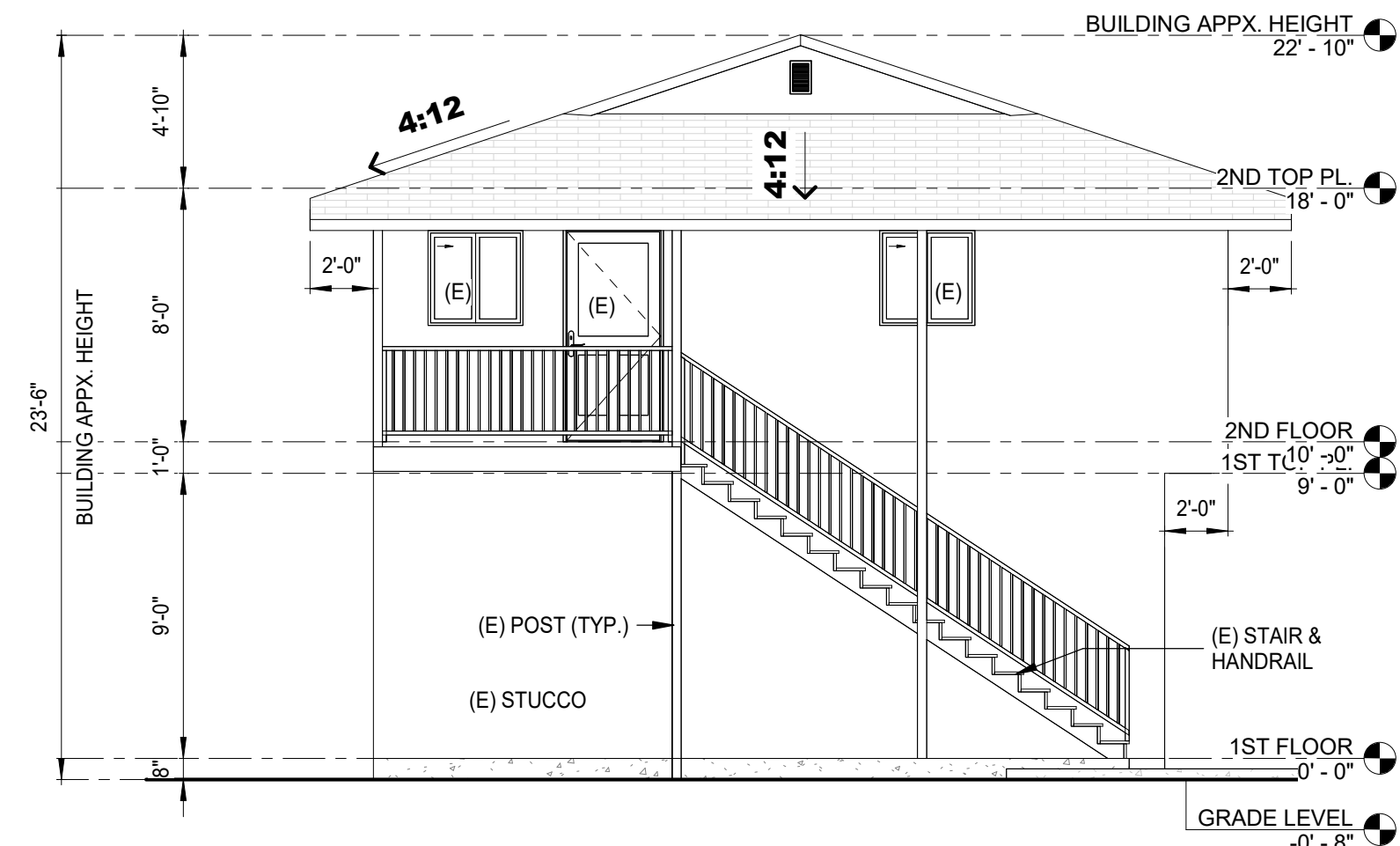
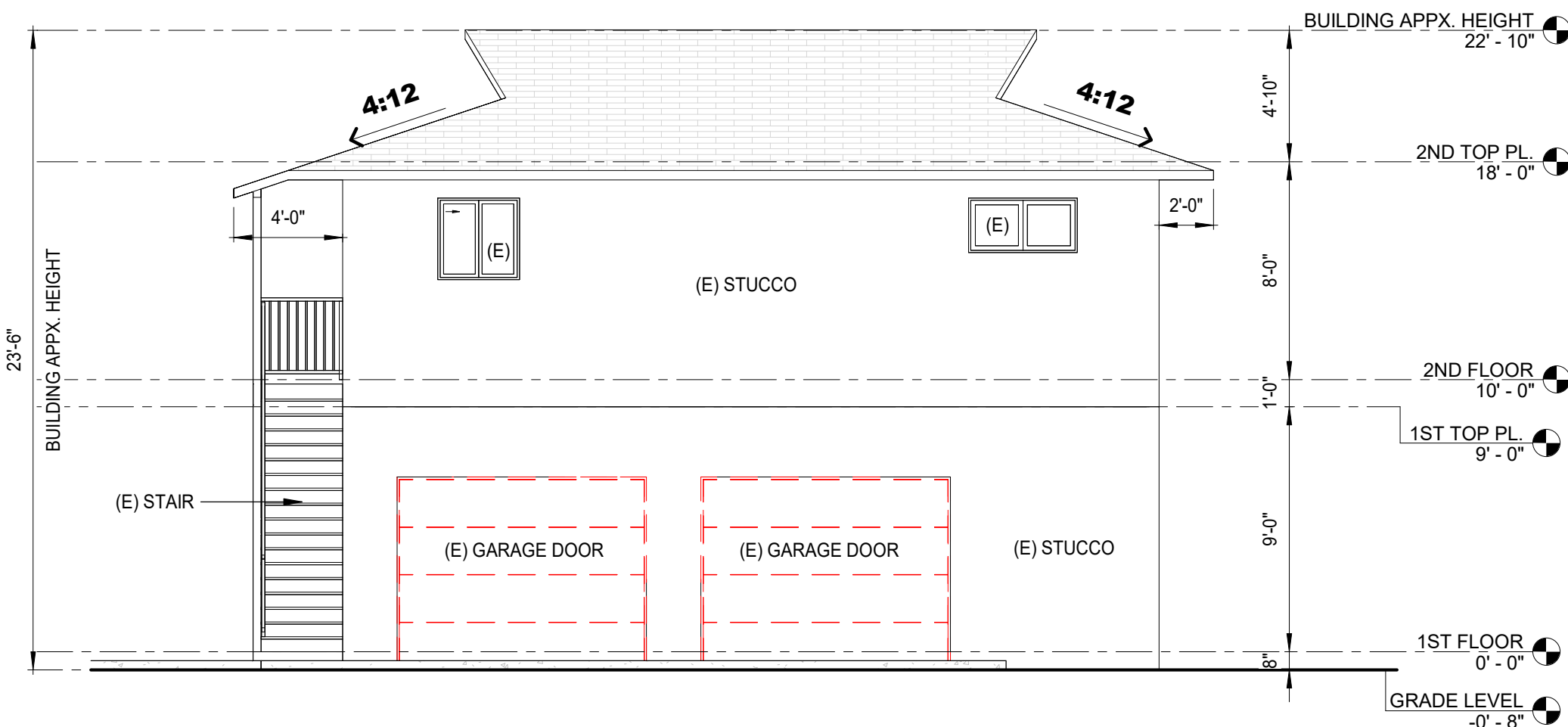
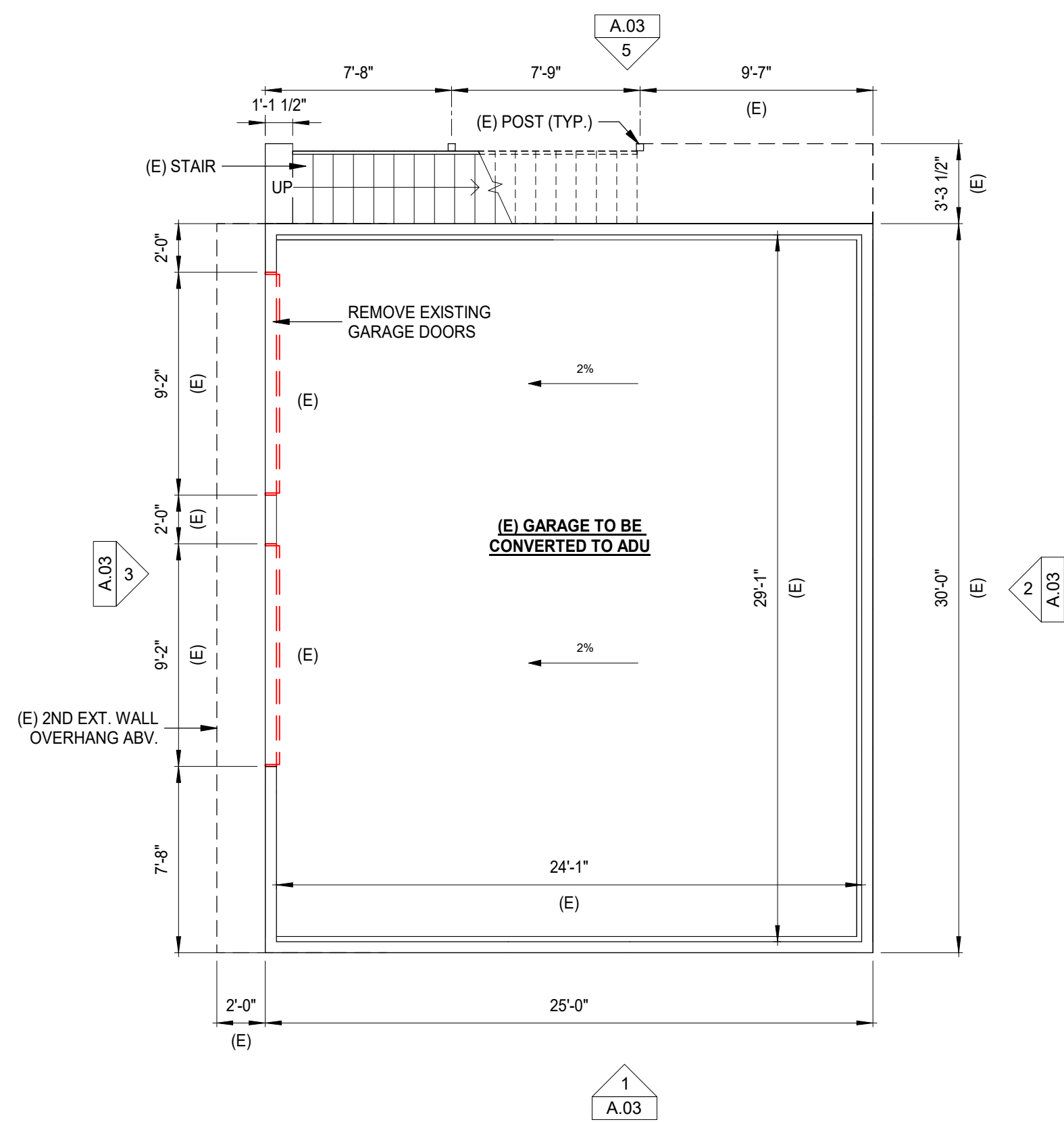
Date	Job No	Rev.
11-21-25		#

Revisions		
Date	Description	
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Scale
Sheet Name
EXISTING 2-STORY BUILDING PLANS & ELEVATIONS



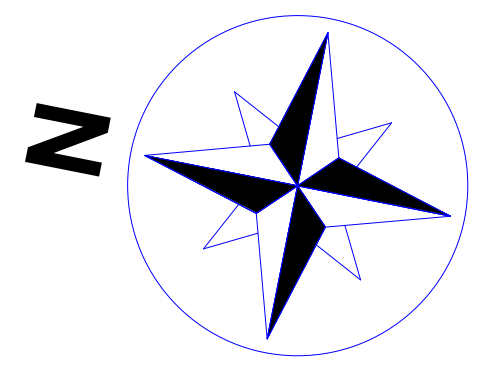
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NOTES:

- ALL DIMENSION ARE EXISTING AND ONLY FOR REFERENCE
- EXISTING DRAWINGS ARE FOR REFERENCE ONLY, NOT FOR CONSTRUCTION

LEGEND:	
	EXISTING CONSTRUCTION TO BE REMAINED
	EXISTING CONSTRUCTION TO BE DEMOLISHED
(E)	EXISTING CONSTRUCTION



AGING-IN-PLACE AND FALL PREVENTION

R327.1.1 REINFORCEMENT FOR GRAB BARS
AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH THIS SECTION. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION.

1. REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY.
2. REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH (51 MM BY 203 MM) NOMINAL LUMBER. [11/2 INCH BY 71/4 INCH (38 MM BY 184 MM) ACTUAL DIMENSION] OR OTHER CONSTRUCTION MATERIAL PROVIDING EQUAL HEIGHT AND LOAD CAPACITY. REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES (812.8 MM) AND 39 1/4 INCHES (997 MM) ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING.
3. WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.
4. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED.
5. BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES (152.4 MM) ABOVE THE BATHTUB RIM.

EXCEPTIONS:
1. WHERE THE WATER CLOSET IS NOT PLACED ADJACENT TO A SIDE WALL CAPABLE OF ACCOMMODATING A GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLD-AWAY OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS APPROVED BY THE ENFORCING AGENCY.

2. REINFORCEMENT SHALL NOT BE REQUIRED IN WALL FRAMING FOR PRE-FABRICATED SHOWER ENCLOSURES AND BATHTUB WALL PANELS WITH INTEGRAL FACTORY-INSTALLED GRAB BARS OR WHEN FACTORY-INSTALLED REINFORCEMENT FOR GRAB BARS IS PROVIDED.

3. SHOWER ENCLOSURES THAT DO NOT PERMIT INSTALLATION OF REINFORCEMENT AND/OR GRAB BARS SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCING AGENCY.

4. BATHTUBS WITH NO SURROUNDING WALLS, OR WHERE WALL PANELS DO NOT PERMIT THE INSTALLATION OF REINFORCEMENT SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCING AGENCY.

5. REINFORCEMENT OF FLOORS SHALL NOT BE REQUIRED FOR BATHTUBS AND WATER CLOSETS INSTALLED ON CONCRETE SLAB FLOORS.

R327.1.3 INTERIOR DOORS
EFFECTIVE JULY 1, 2024, AT LEAST ONE BATHROOM AND ONE BEDROOM ON THE ENTRY LEVEL SHALL PROVIDE A DOORWAY WITH A NET CLEAR OPENING OF NOT LESS THAN 32 INCHES (812.8 MM), MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM THE CLOSED POSITION, OR, IN THE CASE OF A TWO- OR THREE-STORY SINGLE FAMILY DWELLING, ON THE SECOND OR THIRD FLOOR OF THE DWELLING IF A BATHROOM OR BEDROOM IS NOT LOCATED ON THE ENTRY LEVEL.

R327.1.4 DOORBELL BUTTONS
DOORBELL BUTTONS OR CONTROLS, WHEN INSTALLED, SHALL NOT EXCEED 48 INCHES (1219.2 MM) ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE DOORBELL BUTTON ASSEMBLY, WHERE DOORBELL BUTTONS INTEGRATED WITH OTHER FEATURES ARE REQUIRED TO BE INSTALLED ABOVE 48 INCHES (1219.2 MM) MEASURED FROM THE EXTERIOR FLOOR OR LANDING. A STANDARD DOORBELL BUTTON OR CONTROL SHALL ALSO BE PROVIDED AT A HEIGHT NOT EXCEEDING 48 INCHES (1219.2 MM) ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE DOORBELL BUTTON OR CONTROL.

FLOOR PLAN KEY NOTES:

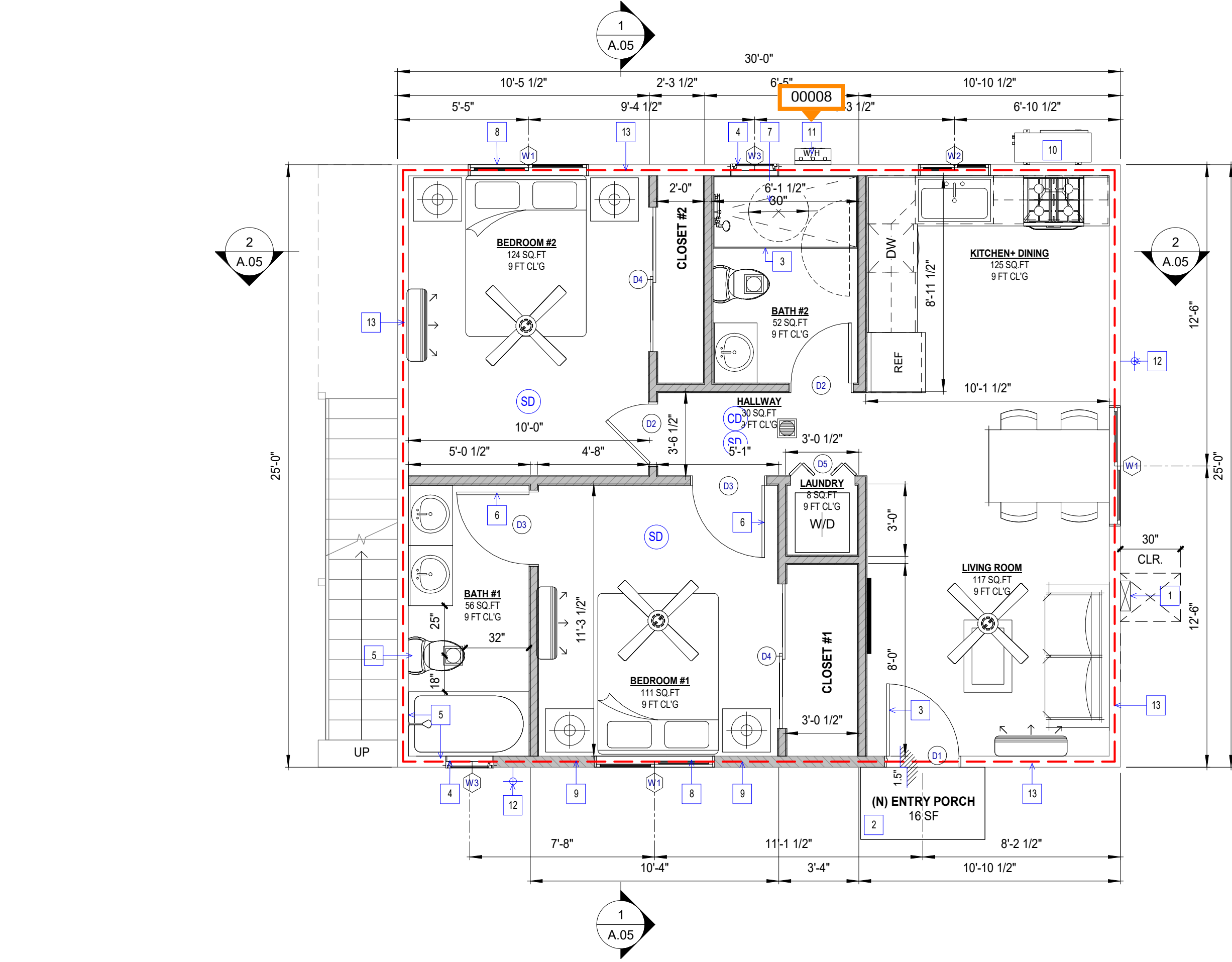
- 1 (N) 100 AMP ELECTRICAL SUBPANEL (125 AMP BUS BAR RATED) FOR ADU
- 2 LANDING. 1 1/2" BELOW THRESHOLD.MINIMUM 36" IN DEPTH.MIN. 2% SLOPE AWAY FROM BLDG.
- 3 TEMPERED GLASS
- 4 OBSCURED, TEMPERED GLASS
- 5 2x8 BACKING FOR FUTURE GRAB BAR INSTALLATION, SEE NOTE ON "AGING-IN PLACE"
- 6 32" MIN. CLR. INTERIOR DOOR SEE NOTE ON "AGING-IN PLACE"
- 7 SHOWER COMPARTMENT REGARDLESS OF SHAPE, HAVING A MIN. OF INTERIOR FLOOR AREA OF 1024 SQUARE IN., AND ALSO CAPABLE OF ENCOMPASSING 30 IN CIRCLE
- 8 EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET. THE NET CLEAR HEIGHT OF THE OPENING SHALL BE NOT LESS THAN 24" AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20". THE BOTTOM OF THE CLEAR OPENING SHALL NOT BE GREATER THAN 44" MEASURED FROM THE FLOOR. CRC R310.2.1 & R310.2.2
- 9 INFILL EXISTING GARAGE DOOR OPENING WITH NEW WOOD-FRAMED WALL
- 10 (N) MINI SPLIT HVAC UNIT ON 3" THIK. CONCRETE PAD.
- 11 (N) GAS TANKLESS WATER HEATER RE1996N, OUTDOOR, 199,000 BTU, UEF 0.82 (PER TITLE 24 CALCULATIONS). SEE PLUMBING FOR ISOLATION VALVES AND SERVICE VALVES AT HOT AND COLD WATER CONNECTIONS.
- 12 (N) HOSE-BIBB LOCATION
- 13 EXISTING WALL TO BE UPGRADED TO 1-HOUR FIRE-RATED (WALL SUPPORTING RATED ASSEMBLIES). SEE DETAIL 1/A.08.

SYMBOL LEGEND:

- XX DOOR TYPE, SEE SCHEDULE A.04
- XX WINDOW TYPE, SEE SCHEDULE A.04
- XX KEY NOTE
- 1.5" STEP AT SLAB

LEGEND:

- WALL MOUNTED AIR HANDLER
- DUCTLESS MINI-SPLIT HEAT PUMP SYSTEM (WALL-MOUNTED)
- LAUNDRY EXHAUST
- SMOKE DETECTOR HARDWIRED w/ BATTERY BACK UP. PHOTO-ELECTRIC TYPE
- CARBON MONOXIDE DETECTOR ALARM HARDWIRED w/ BATTERY BACK UP
- 1-HR FIRE RATED WALL
- ELECTRICAL METER/ PANEL PER KEYNOTE
- EXHAUST FAN SHALL BE ENERGY STAR RATED. CEILING MOUNTED LIGHT w/ VENT 100 CFM MIN. INTERMITTENT W/ HUMIDITY CONTROL PER CMC 402.5, BETWEEN 50%-80% SHALL BE DUCTED TO OUTSIDE THROUGH ROOF/ EXTERIOR WALL
- IAQ FAN: SEE T-24 FOR SELECTIONPANASONIC, WHISPERGREEN® SELSCT FAN, 50-80-110 SFM, MULTI-SPEED, MODEL FV-051VKS2.0.5 SOME
- TANKLESS WATER HEATER
- KITCHEN EXHAUST FAN MIN. 100 CFM DUCTED TO OUTSIDE THROUGH ROOF OR EXTERIOR WALL



1 A.04 PROPOSED CONVERSION ADU FLOOR PLAN
1/4" = 1'-0"

- LEGEND:**
- EXISTING CONSTRUCTION TO BE REMAINED
- NEW CONSTRUCTION

FLOOR PLAN NOTES

1. VERIFY ALL APPLIANCE EQUIPMENT AND FIXTURE DIMENSIONS AND INSTALLATION REQUIREMENTS PRIOR TO CASEWORK FABRICATION INSTALLATION.
2. FINISH END WALLS OF CABINETS FLANKING OPENING TO MATCH CABINET FACE. PRIME & PAINT EXPOSED GYP. BD. WALL TO MATCH WALLS. INSTALL MATCHING BASE BD.
3. EXTEND FLOORING UNDER APPLIANCES RESTING ON FLOOR.
4. SHOWER COMPARTMENTS AND WALLS ABOVE BATH TUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH, NON-ABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 72 INCHES ABOVE THE DRAIN INLET.
5. OFFSET ALL IMMEDIATELY ADJACENT DOOR OPENINGS 4" FROM PERPENDICULAR WALL, UNO.
6. CEILING HEIGHTS INDICATED ARE MEASURED FROM FINISH FLOOR TO BOTTOM OF CEILING FINISH.
7. SMOKE DETECTORS WILL BE PROVIDED PER CHAPTER 3 CRC. THE SMOKE DETECTOR WILL BE HARD WIRED WITH BATTERY BACK-UP AND LOCATED (1) IN EACH BEDROOM, HALLWAYS OUTSIDE BEDROOMS, AND ON EACH STORY. SMOKE DETECTOR ALARM SOUND MUST BE AUDIBLE IN SLEEPING AREAS WHICH MAY REQUIRE INTERCONNECTED SMOKE DETECTORS WITHIN THE UNIT. SEE PLANS FOR LOCATIONS. INSTALL AND LOCATE PER MFG. LISTED REQUIREMENTS.
8. PROVIDE CARBON MONOXIDE DETECTOR ALARMS ON CEILINGS OR WALLS OUTSIDE SLEEPING ROOMS PER CHAPTER 3 CRC. CARBON MONOXIDE DETECTOR SHALL BE INTERCONNECTED SUCH THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL ALARM.
9. BATHROOM FANS MUST BE ENERGY STAR W/ HUMIDISTAT CONTROLLER AND MUST BE DUCTED TO THE EXTERIOR OF THE BUILDING
10. PROVIDE BACKING FOR ALL ACCESSORIES, FIXTURES AND WINDOW COVERINGS.
11. PROVIDE TWO LAYERS OF GRADE D OR 60-MINUTE GRADE D PAPER OVER ALL WOOD BASE SHEATHING AT EXTERIOR WALLS.
12. PROVIDE LOW CONSUMPTION WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
13. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH A NATURAL LIGHT IN ACCORDANCE WITH SECTION R303.1 OR SHALL BE PROVIDE AN AVERAGE ILLUMINATION OF 6 FEET CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30" ABOVE THE FLOOR LEVEL
14. GLAZING WHICH IS LESS THAN 60 INCHES FROM A FLOOR AND WITHIN A 24" ARC OF A DOORWAY'S VERTICAL EDGE MUST COMPLY WITH CH.3 CRC
15. DOMESTIC DRYER MOISTURE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14 FEET (4267 MM), INCLUDING TWO 90 DEGREE (1.57 RAD) ELBOWS. A LENGTH OF 2 FEET (610 MM) SHALL BE DEDUCTED FOR EACH 90 DEGREE (1.57 RAD) ELBOW IN EXCESS OF TWO.
16. ACCESS TO ATTIC AIR FURNACE MUST BE WITHIN 20" OF UNIT AND SHALL HAVE A CONTINUOUS SOLID WALKWAY AT LEAST 24" WIDE. A SWITCH CONTROL IS ALSO REQUIRED (CMC 304.4.1)
17. SMOKE DETECTOR SHALL BE INTERCONNECTED SUCH THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL ALARMS.
18. A MINIMUM OF 20 FT. FROM PERMANENT COOKING EQUIPMENT (OR 10' WITH PHOTO-ELECTRIC TYPE), PHOTO-ELECTRIC TYPE SMOKE DETECTOR IN KITCHEN AREA.

DOOR/WINDOW NOTES (AS APPLICABLE)

1. ALL DOORS AND WINDOWS SHALL MEET CITY'S SECURITY ORDINANCE.
2. ALL EXTERIOR DOORS & WINDOWS SHALL BE WEATHER TIED AND PROVIDE WITH INSECT SCREEN-METAL. DOORS & WINDOWS SHALL BE IN COMPLIANCE WITH ANSI STD. A13 OR A1342.
3. THE MANUFACTURED WINDOWS AND SLIDING DOOR SHALL HAVE A LABEL ATTACHED CERTIFIED BY THE NATIONALS FENESTRATION RATING COUNCIL (NFRC) AND COMPLIANCE WITH THE ENERGY CALCULATIONS.
4. THE LOAD RESISTANCE OF GLASS UNDER UNIFORM LOAD SHALL BE DETERMINED IN ACCORDANCE WITH ASTM E1300.
5. ALL TEMPERED GLASS (T.G.) SHALL BE ACID-ETCHED, SAND-BLASTED, CERAMIC-FIRED, LASER-ETCHED, OR EMBOSSED PER CRC 2406.3.
6. GLAZING AND INSULATION SHALL CONFORM TO THE STATE ENERGY INSULATION STANDARD.
7. DEAD BOLT LOCKS ARE REQUIRED ON ALL EXTERIOR DOORS (INCLUDING HOUSE TO GARAGE)
8. GLAZING SHALL BE SAFETY GLAZING IF LESS THAN 72" ABOVE BATHROOM FINISH FLOOR
9. SLIDING GLASS DOORS AND WINDOWS LOCATED LESS THAN 16 FEET ABOVE ANY SURFACE AVAILABLE FOR USE BY THE PUBLIC SHALL BE CAPABLE OF BEING LOCKING SECURELY. MOVEABLE PANELS SHALL NOT BE EASILY REMOVED FROM THE FRAME.
10. ALL MAIN OR FRONT ENTRY TO DWELLINGS SHALL BE ARRANGED SO THAT THE OCCUPANT HAS A VIEW OF THE AREA IMMEDIATELY OUTSIDE WITHOUT OPENING DOOR. SUCH VIEW MAY BE PROVIDED BY A DOOR VIEW, A VIEW PORT, WINDOW, OR OTHER OPENING.
11. ALL SWINGING DOORS SHALL BE EQUIPPED WITH A DEAD BOLT WITH A MINIMUM THROW OF 1 INCH AND AN EMBEDMENT OF NOT LESS THAN 5/8 INCH.
12. THE INACTIVE LEAF OF A PAIR OF DOORS AND THE UPPER LEAF OF DUTCH DOORS SHALL BE EQUIPPED WITH A DEAD BOLT.
13. NON-REMOVABLE PINS SHALL BE USED IN PIN TYPE HINGES WHICH ARE ACCESSIBLE FROM THE OUTSIDE WHEN THE DOOR IS CLOSED.
14. UNFRAMED GLASS DOORS SHALL BE FULLY TEMPERED GLASS NOT LESS THAN 1/2" THICK.
15. NARROW-FRAMED GLASS DOORS SHALL BE FULLY TEMPERED GLASS NOT LESS THAN 1/4" THICK.
16. ANY GLASS WHICH IS LOCATED WITHIN 40 INCHES OF THE BLOCKING DEVICE ON A DOOR SHALL BE FULLY TEMPERED, OR HAVE APPROVED METAL BARS, SCREENS OR GRILLS.
17. IT IS CONTRACTOR'S RESPONSIBILITY TO CONFIRM DOOR/WINDOW ROUGH OPENING DIMENSIONS WITH THE MANUFACTURE/SUPPLIER PRIOR TO BEGIN CONSTRUCTION
18. AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. (R309.4)
19. EMERGENCY EGRESS:
A. MIN. SET CLEAR OPENING OF 5.7 SQUARE FEET.
B. MIN. SET CLEAR HEIGHT OF 24 INCHES.
C. WINDOW SILL CLEAR OPENING EMERGENCY EGRESS NO MORE THAN 44 INCHES ABOVE THE FLOOR.

A - DOOR SCHEDULE						
Type Mark	Width	Height	Head Height	Count	Door Type	Finish Comments
D1	3' - 0"	6' - 8"	6' - 8"	1	ENTRY DOOR	TEMPERED, 32" CLR.
D2	2' - 6"	6' - 8"	6' - 8"	2	FLUSH SWING	
D3	3' - 0"	6' - 8"	6' - 8"	2	FLUSH SWING	32" CLR.
D4	6' - 0"	6' - 8"	6' - 8"	2	SLIDING CLOSET	
D5	2' - 8"	6' - 8"	6' - 8"	1	LOUVER DOOR	100 SQ.IN MIN

A - WINDOW SCHEDULE						
Type Mark	Window Opening		Head Height	Count	Description	U-FACTOR
	Width	Height				
W1	5' - 0"	4' - 0"	6' - 8"	3	SLIDER, DOUBLE GLASS, VINYL	0.3/0.23
W2	3' - 0"	3' - 0"	6' - 8"	1	SLIDER, DOUBLE GLASS, VINYL	0.3/0.23
W3	2' - 0"	2' - 0"	6' - 8"	2	AWNING, DOUBLE GLASS, VINYL	0.3/0.23

A - ROOM SCHEDULE				
Name	Area	Perimeter	Height	Comments
LIVING ROOM	117 SF	43' - 4 1/2"	9' CEILING	
KITCHEN+ DINING	125 SF	45' - 0"	9' CEILING	
HALLWAY	30 SF	24' - 3 1/4"	9' CEILING	
BATH #2	52 SF	29' - 2 1/2"	9' CEILING	
LAUNDRY	8 SF	11' - 7 3/4"	9' CEILING	
BEDROOM #1	111 SF	42' - 3 3/4"	9' CEILING	
BEDROOM #2	124 SF	44' - 9 1/2"	9' CEILING	
BATH #1	56 SF	32' - 5 3/4"	9' CEILING	
CLOSET #1	23 SF	21' - 9"	9' CEILING	
CLOSET #2	16 SF	21' - 0"	9' CEILING	



ALVARADO ST. ADU

216-218 ALVARADO STREET CHULA VISTA, CA

Revisions		
Date	Description	
1 04-20-2026	Plan check	

Drawn by

Checked by

Project Eng.

Scale

Sheet Name

PROPOSED ADU FLOOR PLAN



Sheet No

A.04

Date 11-21-25	Job No	Rev. #
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ELEVATION & SECTION NOTES

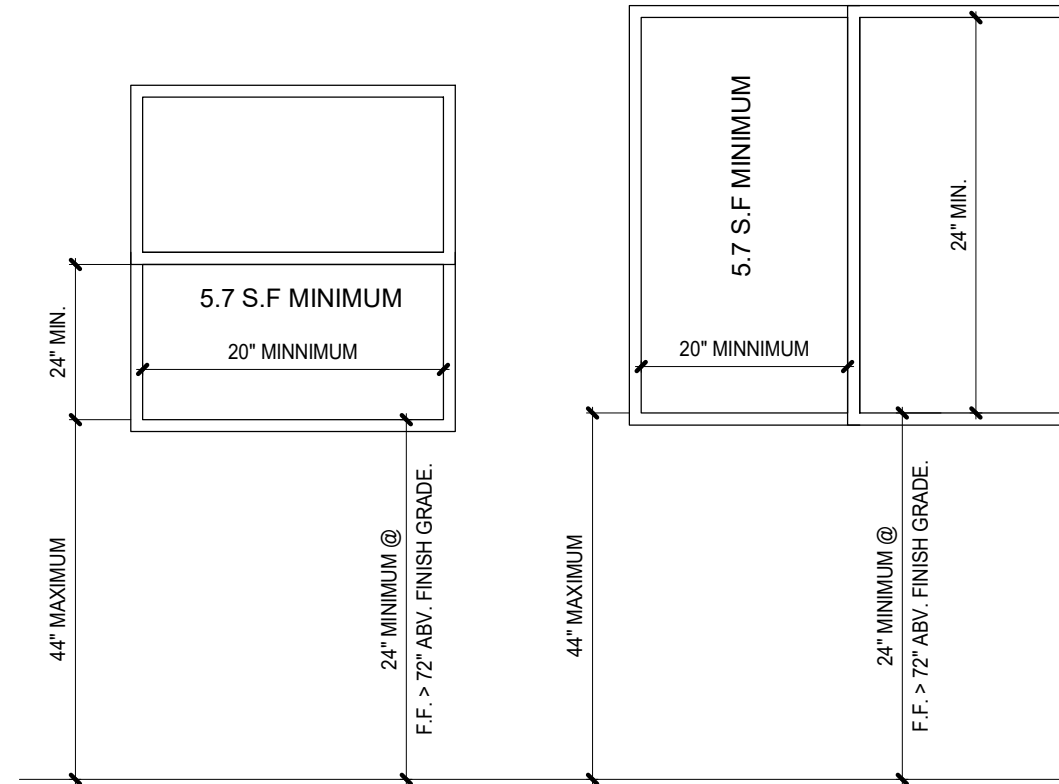
1. PROVIDE FIRE BLOCKING IN CONCEALED SPACES 10" O.C. HORIZONTAL, VERTICALLY AT THE CEILING AND FLOOR LEVELS, CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES, CONCEALED SPACES BETWEEN STAIR AND LANDING, OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES, WIRES, CHIMNEYS AND FIREPLACES, CRC R302.11.
2. ALL WOOD FRAMING MEMBERS THAT REST ON CONCRETE OR MASONRY EXTERIOR FOUNDATION WALLS AND ARE LESS THAN 8" TO THE EXPOSED GROUND SHALL BE PRESSURE TREATED OR NATURALLY DURABLE TO DECAY, CRC R317.2(2).
3. CONTRACTOR TO INCLUDE ALL FINISH AND COLOR SPECIFIED BY OWNER AND INTERIOR DESIGNER.
4. CONTRACTOR TO VERIFY W/ OWNER'S INTERIOR DESIGNER FOR MATERIAL SELECTION AND COLOR PRIOR TO FINAL PRICING AND CONSTRUCTION.
5. MIN. 3/8" CDX PLYWOOD THROUGH-OUT @ OUTSIDE FACE OF WALL.
6. ALL INTERIOR, DOOR, WINDOW SIDE, HEAD AND SILL TO BE MOLDING.
7. EXTERIOR CONCRETE LANDING TO COMPLY 2022 CRC R311.3
8. THERE SHALL BE A LANDING OR FLOOR ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF EACH LANDING SHALL BE NOT LESS THAN THE DOOR SERVED. EVERY LANDING SHALL HAVE A DIMENSION OF NOT LESS THAN 36 INCHES MEASURED IN THE DIRECTION OF TRAVEL. THE SLOPE AT EXTERIOR LANDINGS SHALL NOT EXCEED 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2 PERCENT).
9. LANDINGS AT THE REQUIRED DOOR SHALL NOT MORE THAN 1 1/2 INCHES LOWER THAN THE TOP OF THE THRESHOLD. EXCEPTION: THE LANDING SHALL BE NOT MORE THAN 7 3/4 INCHES BELOW THE TOP OF THE THRESHOLD PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING.
10. BOTH THE ADU AND PRIMARY DWELLING ROOF MUST MATCH AND BE SUBSTANTIALLY SIMILAR IN DESIGN, PITCH, COLOR, MATERIAL, AND TEXTURE.

SYMBOL LEGEND:

- XX DOOR ID, SEE SCHEDULE SHEET A.03
- XX WINDOW ID, SEE SCHEDULE SHEET A.03
- XX KEY NOTE ID, SEE KEYNOTE LEGEND
- EE&RO EGRESS ESCAPE AND RESCUE WINDOW

EMERGENCY EGRESS

1. WINDOW MANUFACTURER AND INSTALLER SHALL INSURE THAT ALL WINDOWS MEET OR EXCEED ALL EGRESS REQUIREMENTS OF CRC R310 & R312
 2. ALL WINDOWS AND SLIDING GLASS DOORS SHALL BE INSTALLED PER AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION AAMA 2400-02 RECOMMENDATIONS "STANDARD PRACTICE FOR INSTALLATION OF WINDOWS WITH INTEGRAL MOUNTING FLANGES IN STUD FRAME CONSTRUCTION".
 3. INSTALL AN ISOLATION MEMBRANE BELOW THE THRESHOLD OF ALL SLIDING GLASS DOORS THAT REST ON A CONCRETE SLAB.
 4. ALL SEALANT SHALL BE OF HIGH QUALITY AND REVIEWED OFR COMPATIBILITY WITH ASPHALTIC MEMBRANES AND FLASHING MATERIAL.
- EGRESS REQUIREMENTS:
1. MIN. SET CLEAR OPENING OF 5.7 SQUARE FEET.
 2. MIN. SET CLEAR HEIGHT OF 24 INCHES.
 3. WINDOW SILL CLEAR OPENING EMERGENCY EGRESS NO MORE THAN 44 INCHES ABOVE THE FLOOR.



ELEVATION KEYNOTES

- 1 (N) STUCCO - COLORS TO MATCH EXISTING BUILDING
- 2 TEMP. GLASS
- 3 TEMP. OBSCURED GLASS
- 4 (N) 100 AMP ELECTRICAL SUBPANEL (125 AMP BUS BAR RATED) FOR ADU
- 5 CONCRETE LANDING, 1 1/2" BELOW THRESHOLD, MINIMUM 36" IN DEPTH, MIN. 2% SLOPE AWAY FROM BLDG.
- 6 PROPOSED MINI-SPLIT AC UNIT
- 7 PROPOSED TANKLESS WATER HEATER
- 8 EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET. THE NET CLEAR HEIGHT OF THE OPENING SHALL BE NOT LESS THAN 24" AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20". THE BOTTOM OF THE CLEAR OPENING SHALL NOT BE GREATER THAN 44" MEASURED FROM THE FLOOR. CRC R310.2.1 & R310.2.2

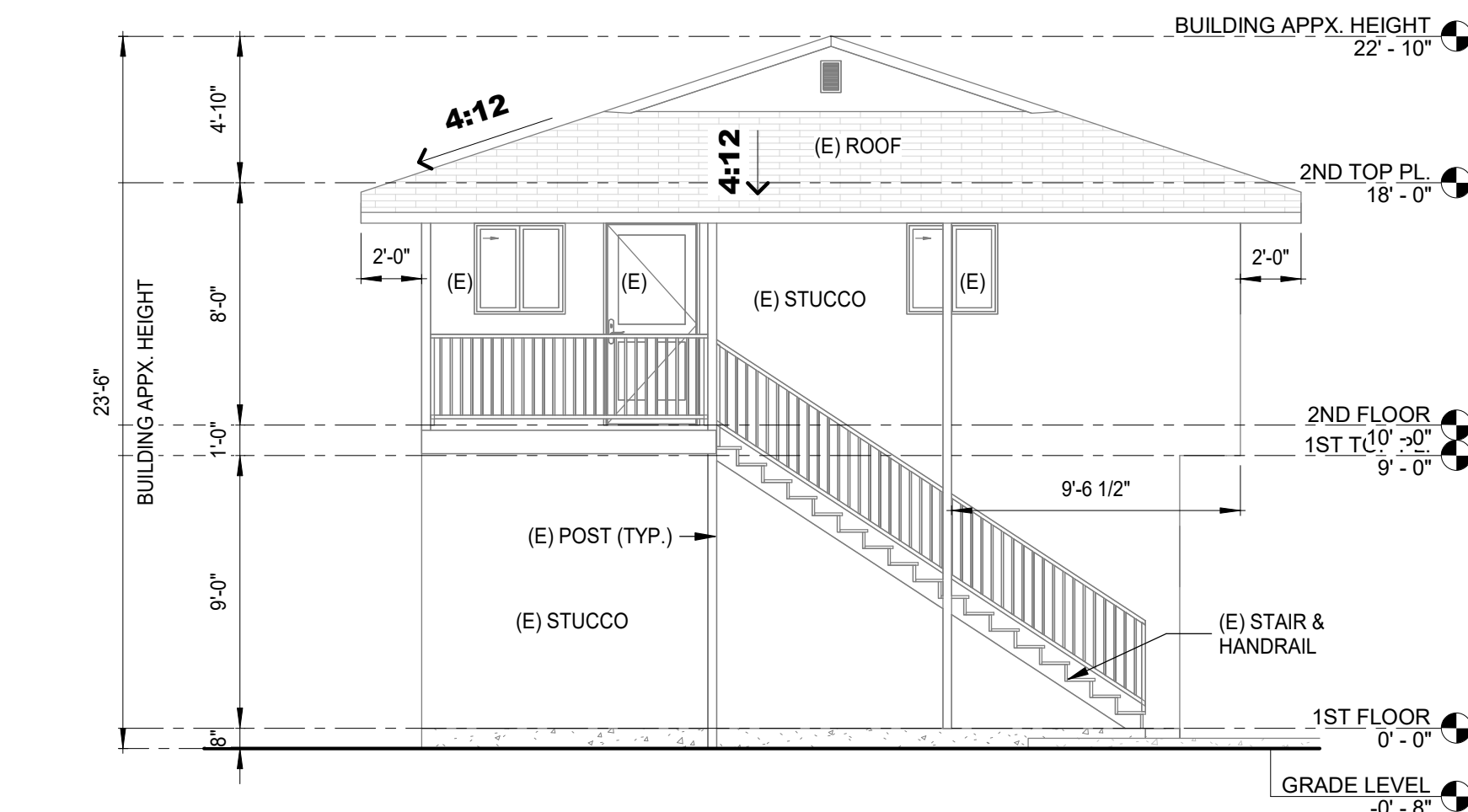


ALVARADO ST. ADU

216-218 ALVARADO STREET CHULA VISTA, CA

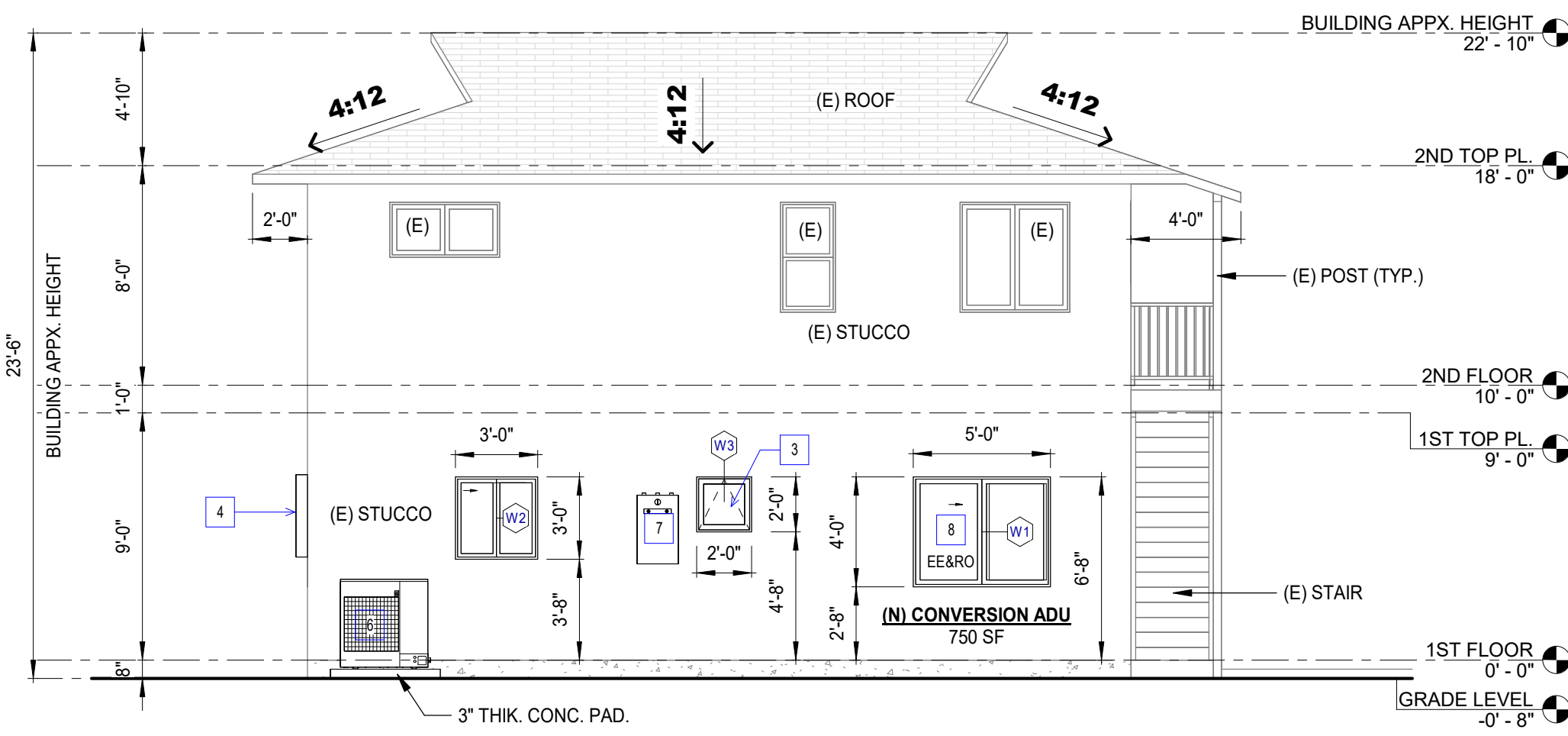
6 (P) 2-STORY UNIT - NORTH EAST ELEVATION

3/16" = 1'-0"



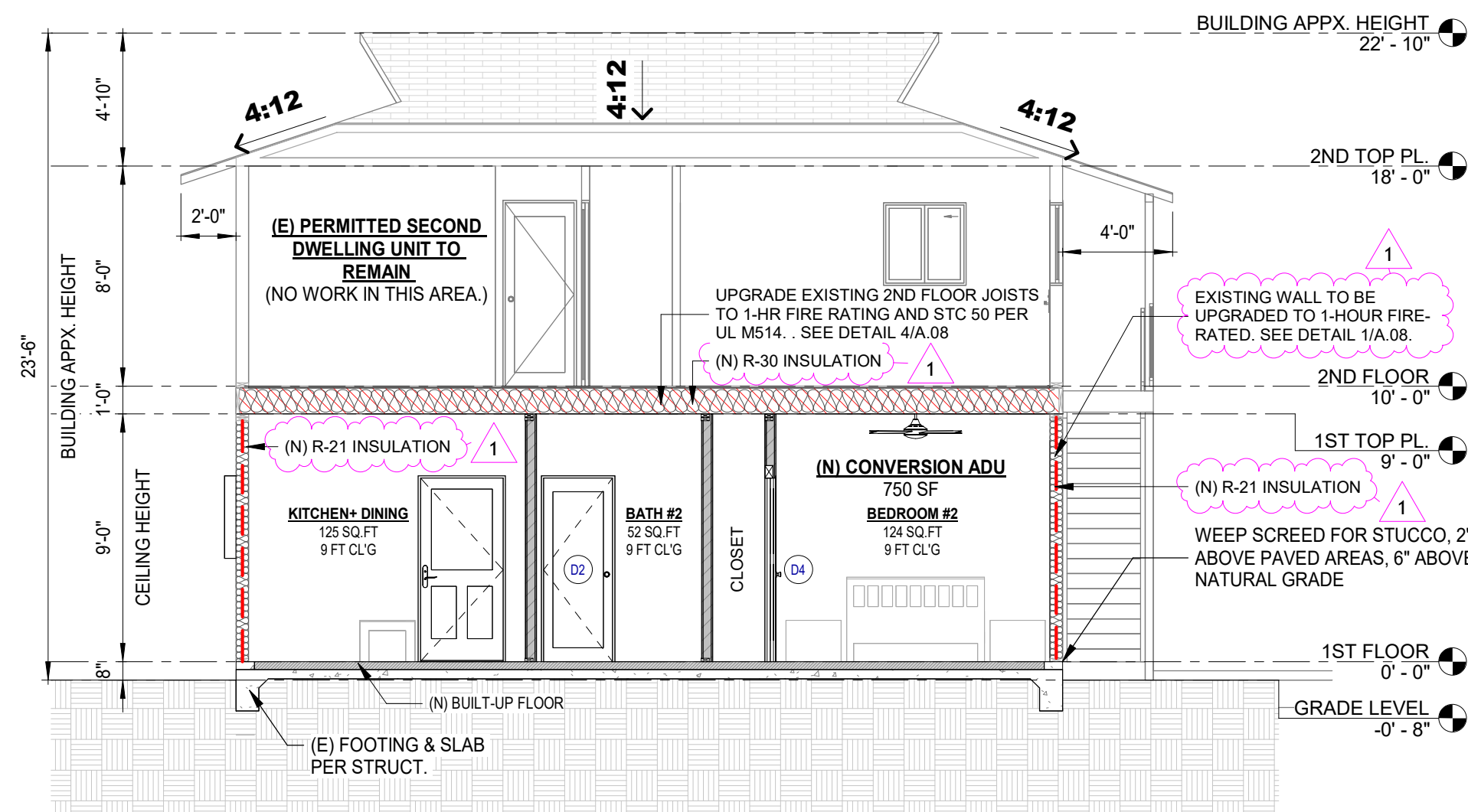
4 (P) 2-STORY UNIT- SOUTH EAST ELEVATION

3/16" = 1'-0"



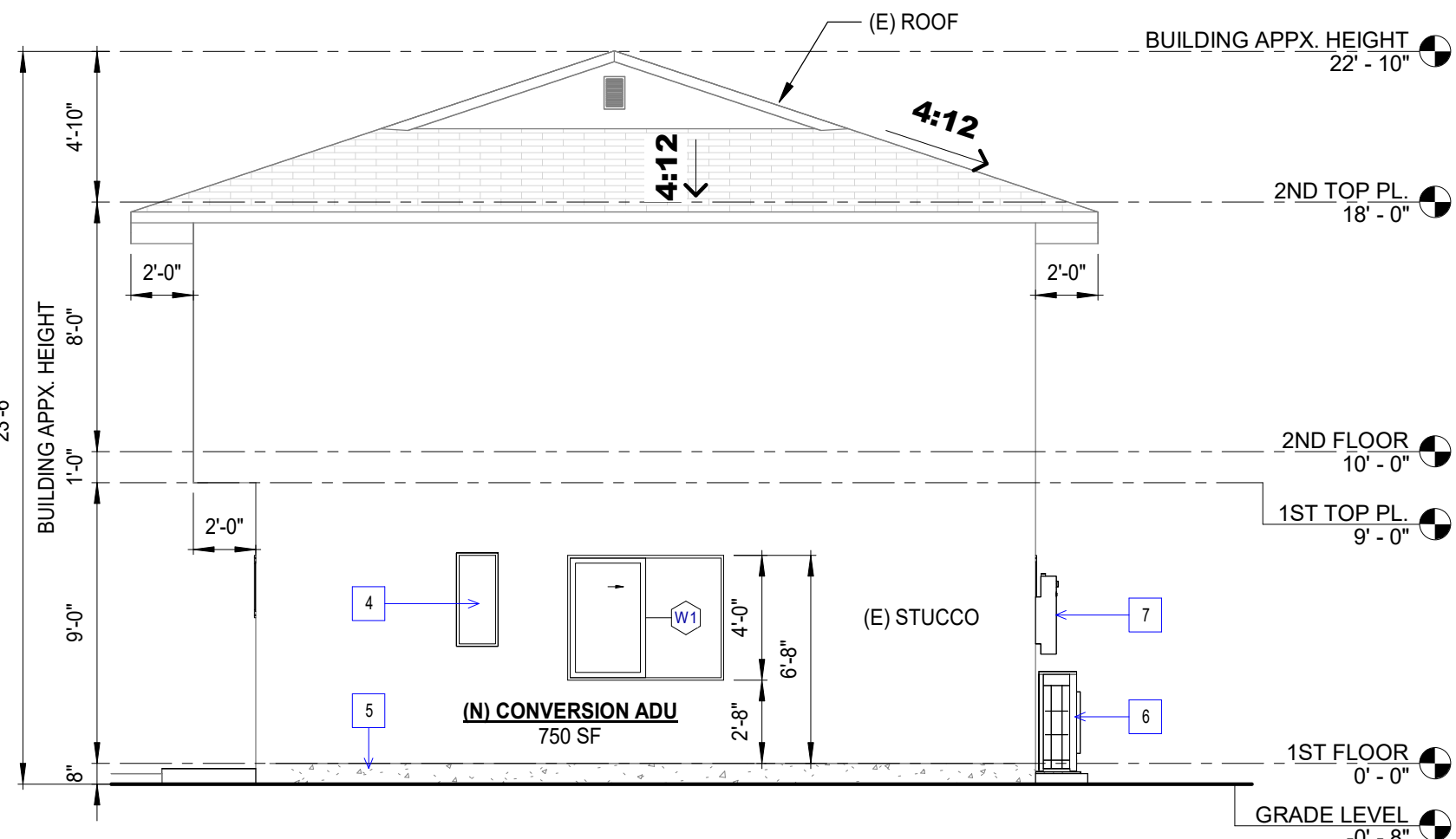
2 (P) CONVERSION ADU_ SECTION A-A

3/16" = 1'-0"



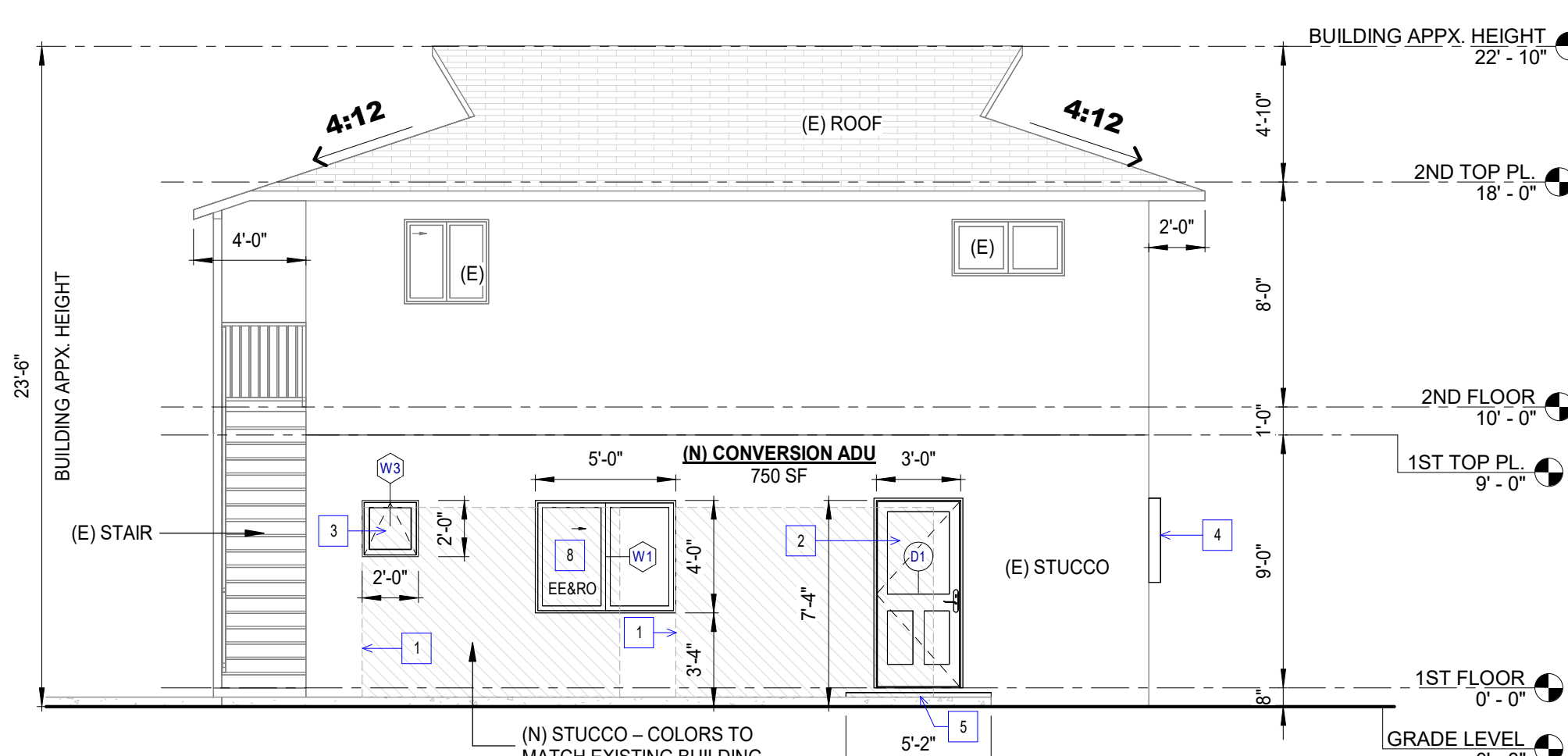
5 (P) 2-STORY UNIT- SOUTH WEST ELEVATION

3/16" = 1'-0"



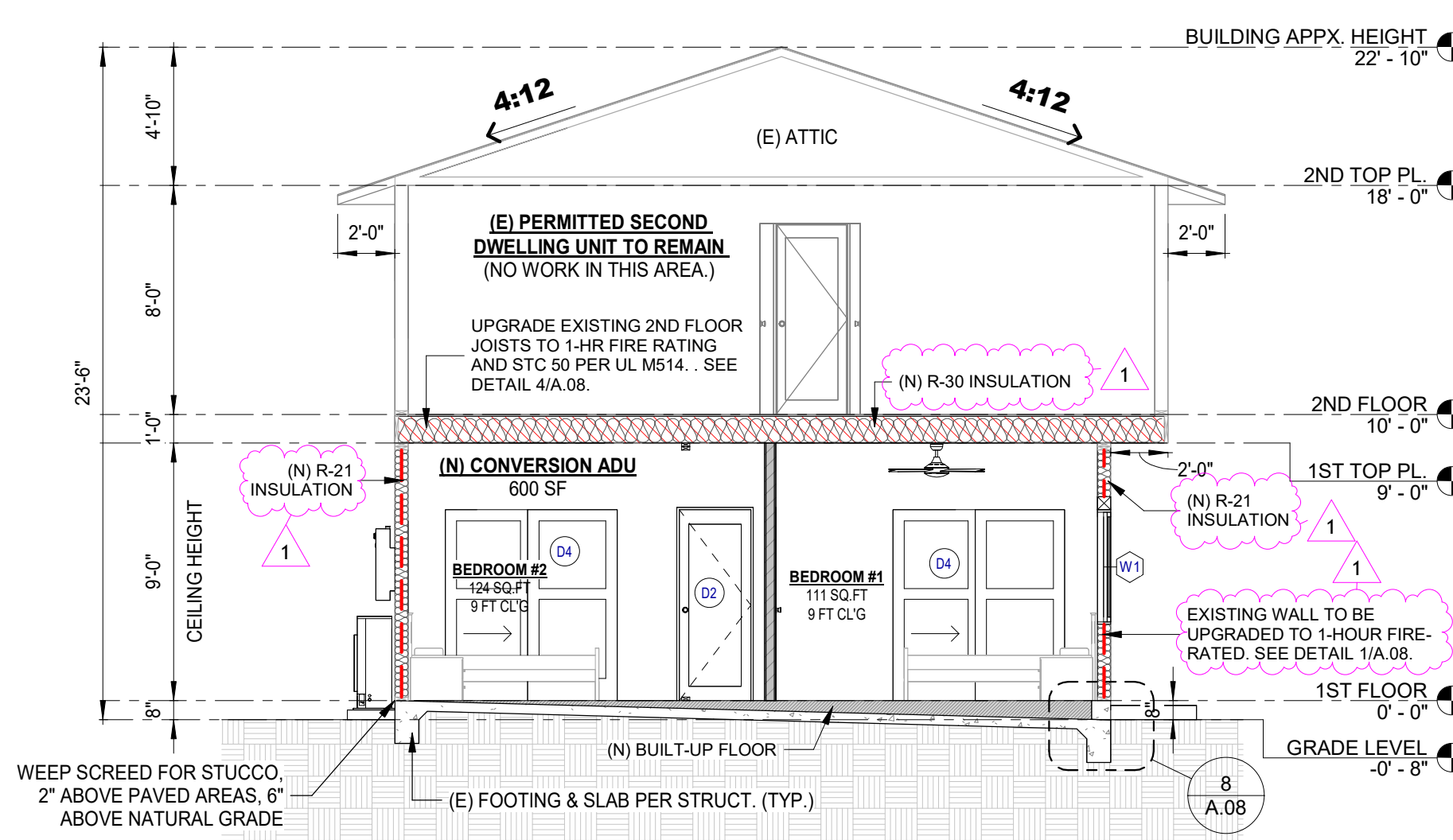
3 (P) 2-STORY UNIT- NORTH WEST ELEVATION

3/16" = 1'-0"



1 (P) CONVERSION ADU_ SECTION B-B

3/16" = 1'-0"



LEGEND:

- EXISTING CONSTRUCTION TO BE REMAINED
- NEW CONSTRUCTION

Revisions

Date	Description
04-20-2026	Plan check

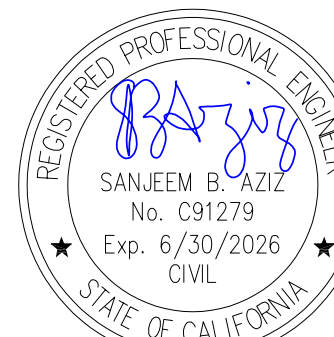
Drawn by

Checked by

Project Eng.

Scale

Sheet Name

PROPOSED ADU
ELEVATIONS &
SECTIONS

Sheet No

A.05

Date

11-21-25

Job No

Rev.

#

ELECTRICAL READY NOTE

1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE COOKTOP/CLOTHES DRYER/ HEATER AND BE ACCESSIBLE WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT (50 AMPS FOR COOKTOPS, 30 AMPS FOR DRYERS AND 30 AMPS FOR HEATERS) MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY". ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH CALIFORNIA ELECTRICAL CODE

2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE RESERVED SPACES TO ALLOW FOR THE INSTALLATION OF DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC COOKTOP/CLOTHES DRYER/ HEATER INSTALLATION. THE RESERVED SPACES SHALL BE PERMANENTLY MARK AS "FOR FUTURE 240V USE"

ELECTRICAL AGING-IN-PLACE

R327.1.2 ELECTRICAL RECEPTACLE OUTLET, SWITCH AND CONTROL HEIGHTS
ELECTRICAL RECEPTACLE OUTLETS, SWITCHES AND CONTROLS (INCLUDING CONTROLS FOR HEATING, VENTILATION AND AIR CONDITIONING) INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED NO MORE THAN 48 INCHES (1219.2 MM) MEASURED FROM THE TOP OF THE OUTLET BOX AND NOT LESS THAN 15 INCHES (381 MM) MEASURED FROM THE BOTTOM OF THE OUTLET BOX ABOVE THE FINISH FLOOR.

EXCEPTIONS:

1. DEDICATED RECEPTACLE OUTLETS; FLOOR RECEPTACLE OUTLETS; CONTROLS MOUNTED ON CEILING FANS AND CEILING LIGHTS; AND CONTROLS LOCATED ON APPLIANCES.

2. RECEPTACLE OUTLETS REQUIRED BY THE CALIFORNIA ELECTRICAL CODE ON A WALL SPACE WHERE THE DISTANCE BETWEEN THE FINISHED FLOOR AND A BUILT-IN FEATURE ABOVE THE FINISH FLOOR, SUCH AS A WINDOW, IS LESS THAN 15 INCHES (381 MM).

ELECTRICAL NOTES

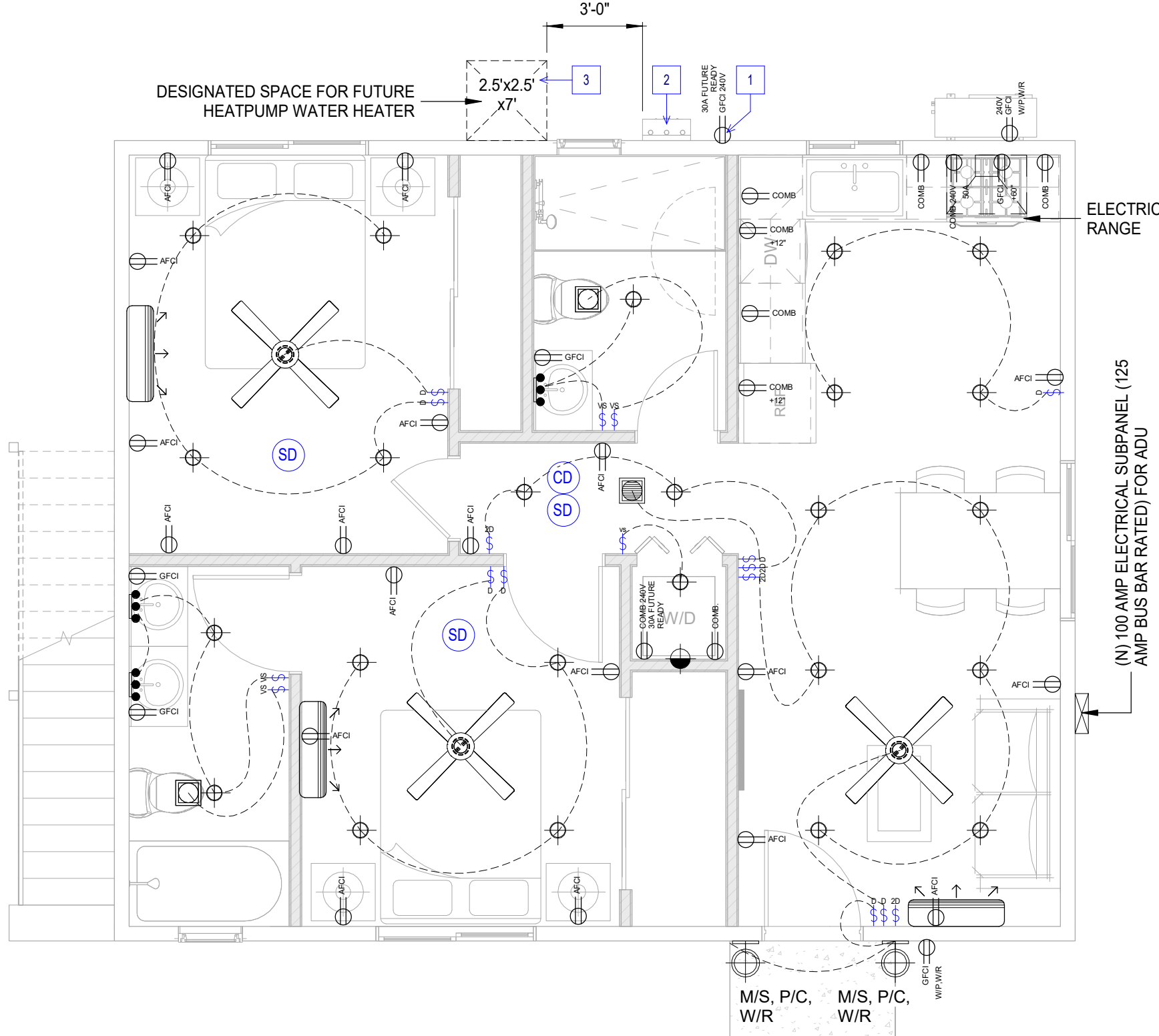
1. ALL INSTALLED LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH TABLE 150.0-A.
2. IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST ONE LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY A VACANCY SENSOR OR OCCUPANT SENSOR PROVIDED THE OCCUPANT SENSOR IS INITIALLY PROGRAMMED LIKE A VACANCY SENSOR (MANUAL-ON OPERATION), 150(K) 2I
3. LUMINAIRES RECESSED INTO CEILINGS SHALL MEET ALL THE FOLLOWING: LISTED FOR ZERO CLEARANCE INSULATION, LABELLED THAT CERTIFIES THE LUMINAIRE IS AIRTIGHT WITH A LEAKAGE LESS THAN 2.0CFM AT 75 PASCALS, SEALED WITH A GASKET OR CAULK, ALLOW REPLACEMENT AND MAINTENANCE TO BE READILY ACCESSIBLE FROM BELOW THE CEILING WITHOUT CUTTING HOLES IN THE CEILING, SHALL NOT CONTAIN SCREW BASE SOCKETS, AND SHALL CONTAIN LIGHT SOURCES THAT COMPLY WITH JA8.
4. ALL OUTDOOR LIGHTING SHALL BE CONTROLLED BY A MANUAL ON AND OFF SWITCH THAT DOES NOT OVERRIDE TO ON AND ONE OF THE FOLLOWING: CONTROLLED BY PHOTOCCELL AND MOTION SENSOR, PHOTO CONTROL AND AUTOMATIC SWITCH CONTROL, ASTRONOMICAL TIME CLOCK, OR ENERGY MANAGEMENT CONTROL SYSTEM. CBEES 150(K)3
5. NO CONTROLS SHALL BYPASS A DIMMER OR VACANCY SENSOR FUNCTION WHERE THAT DIMMER OR VACANCY SENSOR HAS BEEN INSTALLED TO COMPLY WITH 150.0(K).

WATER HEATER KEYNOTES

- 1 A DEDICATED 125V, 30A (10 AWG COPPER BRANCH CIRCUIT) ELECTRICAL RECEPTACLE THAT IS WITHIN 3 FEET OF THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS. THERE SHALL BE A RESERVED SINGLE POLE BREAKER SPACE IN THE ELECTRICAL PANEL, LABELED "FUTURE 240V USE". BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED.
- 2 A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP ASSISTANCE.
- 3 DESIGNATE A SPACE AT LEAST 2.5 FT. BY 2.5 FT. WIDE AND 7 FT. TALL SUITABLE FOR THE FUTURE INSTALLATION OF A HEAT PUMP WATER HEATER (HPWH).

ELECTRICAL NOTES

1. ALL WORK SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE AND REGULATIONS OF GOVERNING AGENCIES AND SHALL COMPLY WITH THE REQUIREMENTS OF THE SERVING POWER AND TELEPHONE COMPANIES.
2. ELECTRICAL OUTLETS SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 210-52.
3. LIGHTING OUTLETS CONTROLLED BY A WALL SWITCH SHALL BE PROVIDED IN ACCORDANCE WITH NEC ARTICLE 210-70.
4. LIGHT FIXTURES INSTALLED IN CLOTHES CLOSET WILL COMPLY WITH NEC ARTICLE 410-8
5. ELECTRICAL SERVICE SIZE: 200 AMPS, MIN.
6. GFCI OUTLETS ARE REQUIRED: FOR ALL KITCHEN RECEPTACLES THAT ARE DESIGNED TO SERVE COUNTERTOP SURFACES, DISHWASHERS, BATHROOMS, IN UNDER-FLOOR SPACES OR BELOW GRADE LEVEL, IN UNFINISHED BASEMENTS, CRAWL SPACE LIGHTING OUTLETS, IN EXTERIOR OUTLETS, WITHIN 6' OF A LAUNDRY/UTILITY/WET BAR SINK, LAUNDRY AREAS, AND IN ALL GARAGE OUTLETS INCLUDING OUTLETS DEDICATED TO A SINGLE DEVICE OR GARAGE DOOR OPENER. (CEC 210.8). KITCHEN AND LAUNDRY RECEPTACLE SHALL BE BOTH AFCI AND GFCI PROTECTED.
7. OUTDOOR RECEPTACLES SHALL BE LOCATED PER CODE MINIMUM REQUIREMENTS, AND AFCI, GFCI, W. R., AND W.P. WITH A BUBBLE COVER.
8. PROVIDE ACCESSIBLE JUNCTION BOX AND WRING FOR GROUNDING MAIN ELECTRICAL SERVICE TO REINFORCING BAR IN CONCRETE FOOTING, PER ARTICLE 250.52-48 CEC 20' LONG # 4 REBAR MIN.
9. RECEPTACLES AND WALL SWITCHES SHALL BE INSTALLED NOT LESS THAN 15" MEASURED FROM BOTTOM OF IT TO FINISH FLOOR AND LOCATED NO MORE THAN AT 48" MEASURED FROM TOP OF RECEPTACLES AND WALL SWITCHES TO FINISH FLOOR IN VERTICAL DIRECTION, UNLESS OTHERWISE NOTED. (CBC 1136).
10. MAINTAIN THREE FEET CLEAR FROM FACE OF ELECTRICAL PANEL TO WALL ANY WALL SURFACE OR OBSTRUCTION.
11. RECESSED CAN LIGHT FIXTURES IN INSUTATED SPACES ARE TO BE IC/AT RATED.
12. PROVIDE RECEPTACLES AT 6' FROM CORNERS, 12' ON CENTER.
13. LAUNDRY AND BATHROOM EXHAUST FANS SHALL PROVIDE A MINIMUMOF 50 CFM.
14. ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUIT IN KITCHEN, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENs, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECT BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER (AFCI) COMBINATION TYPE (CEC210.12).
15. OCCUPANCY SENSORS MUST HAVE NO MANUAL OVERRIDE, 30 MINUTES AND BE MICROWAVE / ULTRASONIC OR PASSIVE INFRA-RED TYPE.
16. PROVIDE COMBINATION SMOKE/ CARBON MONOXIDE DETECTORS IN EACH HALLWAY LEADING TO SLEEPING ROOMS, IN EACH SLEEPING ROOM, AT THE TOP OF STAIRS, AND IN EACH STORY. SMOKE DETECTORS SHALL NOT BE LOCATED IN KITCHEN, GARAGE, OR WITHIN 3 FEET OF DOORS TO KITCHEN OR BATHROOM OR SUPPLY AIR REGISTERS. DETECTORS HARD WIRED WITH BATTERY BACK-UP. DETECTORS TO BE INTERCONNECTED TO SOUND AT THE SAME TIME.
17. ALL 15A AND 20A RECEPTACLE OUTLETS SHALL BE LISTED TAMPERRESISTANT RECEPTACLES. ALL 15/20 AMPERE RECEPTACLES IN WET LOCATIONS SHALL HAVE IN-USE (BUBBLE) COVERS INSTALLED. ALL RECEPTACLES IN WET LOCATIONS SHALL ALSO BE LISTED WEATHER-RESISTANT TYPE GFCI. (CEC 406.9(B)(1))
18. ALL LIGHTS ARE HIGH EFFICACY
19. ALL RECEPTACLES REQUIRED GFCI SHALL BE COMBINATION OF AFCI, GFCI (CEC 210.52(E)(1))
20. LIGHT FIXTURES IN BATHROOMS, GARAGES, LAUNDRY ROOM AND UTILITY ROOMS SHALL BE HIGH EFFICACY. AT LEAST ONE LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY A VACANCY SENSOR.
21. RECESSED LIGHTS THAT ARE TO BE INSTALLED IN AN INSULATED CEILING OR CAVITY ARE REQUIRED TO HAVE A ZERO CLEARANCE INSULATION COVER (IC); BE CERTIFIED THAT THEY ARE TIGHT; AND SEALED WITH A GASKET OR CAULK BETWEEN THE THE HOUSING AND THE CEILING
22. AT LEAST ONE LIGHTING SHALL BE INSTALLED IN THE ATTIC.
23. A MINIMUM OF (1) 20-AMP CIRCUIT FOR BATHROOM(S) OUTLET. SUCH CIRCUIT SHALL HAVE NO OTHER OUTLETS. THIS CIRCUIT MAY SERVE MORE THAN ONE BATHROOM. 210-11(C)3)
24. PROVIDE GFCI RECEPTACLES AT BATHROOMS, KITCHEN COUNTERTOP SURFACES, LAUNDRY /WET BAR AREA WITHIN 6 FT FROM EDGE OF THE SINKS (CEC 210-8)
25. AT LEAST ONE LIGHT OUTLET, CONTROLLED BY A WALL SWITCH, SHALL BE INSTALLED IN EVERY HABITABLE ROOM, BATH ROOM, HALLWAY, GARAGE AND AT EACH OUT DOOR ENTRANCE.
26. EXTERIOR LIGHTING MOUNTED ON BUILDING TO BE HIGH EFFICACY AND CONTROLLED BY MANUAL ON/OFF SWITCH MOTION SENSOR WITHOUT OVERRIDE OR BYPASS SWITCH THAT DISABLES MOTION SENSOR AND:
- A. PHOTO-CONTROL NOT HAVING AN OVERRIDE OR BYPASS SWITCH THAT DISABLES PHOTO-CONTROL
- B. ASTRONOMICAL TIME CLOCK NOT HAVING OVERRIDE OR BYPASS SWITCH THAT DISABLES ASTRONOMICAL CLOCK
- C. ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) NOT HAVING OVERRIDE OR BYPASS SWITCH THAT ALLOWS LUMINAIRES TO BE ALWAYS ON
- D. RATED FOR WET LOCATIONS
27. THE MINIMUM SIZE GROUND WIRE SHALL BE #8 CU OR #6 AL.
28. ALL SERVICES SHALL BE GROUNDED WITH A CONCRETE ENCASED ELECTRODE OR A GROUND ROD AND BONDED TO THE COLD WATER PIPE (INCLUDING GAS PIPING AT NEW ADDITION AREA)



1
A.06
PROPOSED CEILING/ELECTRICAL FLOOR PLAN
1/4" = 1'-0"

LEGEND

- KITCHEN EXHAUST FAN MIN. 100 CFM DUCTED TO OUTSIDE THROUGH ROOF OR EXTERIOR WALL
- IAQ FAN: SEE T-24 FOR SELECTIONPANASONIC, WHISPERGREEN® SELSOT FAN, 50-80-110 SFM, MULTI-SPEED, MODEL FV-0511VKS2,0.5 SONE
- SMD SMOKE DETECTOR HARDWIRED w/ BATTERY BACK UP
- CD CARBON MONOXIDE DETECTOR ALARM HARDWIRED w/ BATTERY BACK UP
- WALL MOUNTED AIR HANDLER
- DUCTLESS MINI-SPLIT HEAT PUMP SYSTEM (WALL-MOUNTED)
- EXHAUST FAN SHALL BE ENERGY STAR RATED, CEILING MOUNTED LIGHT w/ VENT 100 CFM MIN. INTERMITTENT W/ HUMIDITY CONTROL PER CMC 402.5, BETWEEN 50%-80% SHALL BE DUCTED TO OUTSIDE THROUGH ROOF/EXTERIOR WALL
- CLOTHES DRYER MOISTURE EXHAUST DUCT (MIN. 4 INCH DIA.) TO THE OUTSIDE AND EQUIP WITH A BACK-DRAFT DAMPER. EXHAUST DUCT LENGTH IS LIMITED TO 14 FT. WITH 2 ELBOWS, THOUTH TO ROOF/WALL
- ELECTRICAL PANEL/METER PER KEYNOTE
- FAN & LIGHT COMBO
- VANITY LED LIGHT
- EXTERIOR WALL LED LIGHT W/PHOTO SENSOR
- L.E.D. RECESSED LIGHT FIXTURE
- SWITCH W/ MOTION SENSOR (VACANCY SENSOR)
- DIMMER SWITCH
- 2-WAY SWITCH
- 110V DUPLEX OUTLET, GROUND FAULT CIRCUIT INTERRUPT (ENTIRE CIRCUIT)
- 110V DUPLEX OUTLET, ARC FAULT CIRCUIT INTERRUPTER (ENTIRE CIRCUIT)
- 110V DUPLEX OUTLET WITH BOTH AFCI AND GFCI PROTECTED
- M/S : MOTION SENSOR
P/C : PHOTO CELL
W/P : WEATHER - RESISTANT
W/R : WATER PROOF



ALVARADO ST. ADU

216-218 ALVARADO STREET CHULA VISTA, CA

Revisions		
	Date	Description
1	04-20-2026	Plan check

Drawn by
Checked by
Project Eng.
Scale
Sheet Name
PROPOSED CEILING/ ELECTRICAL PLAN



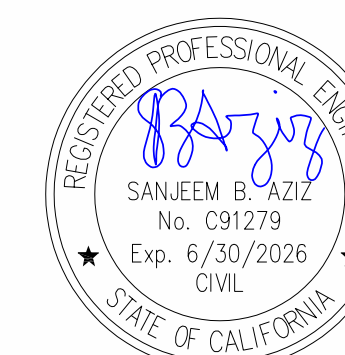
Sheet No		
A.06		
Date 11-21-25	Job No	Rev. #

ALVARADO ST. ADU
216-218 ALVARADO STREET CHULA VISTA, CA

Revisions		
Date	Description	
1 04-20-2026	Plan check	

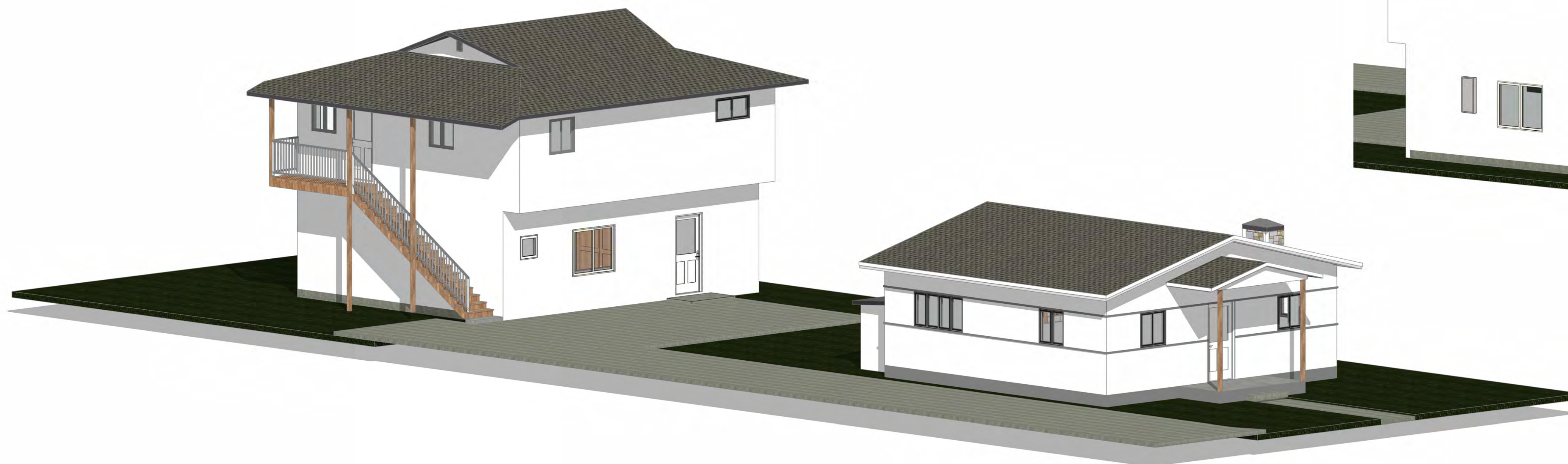
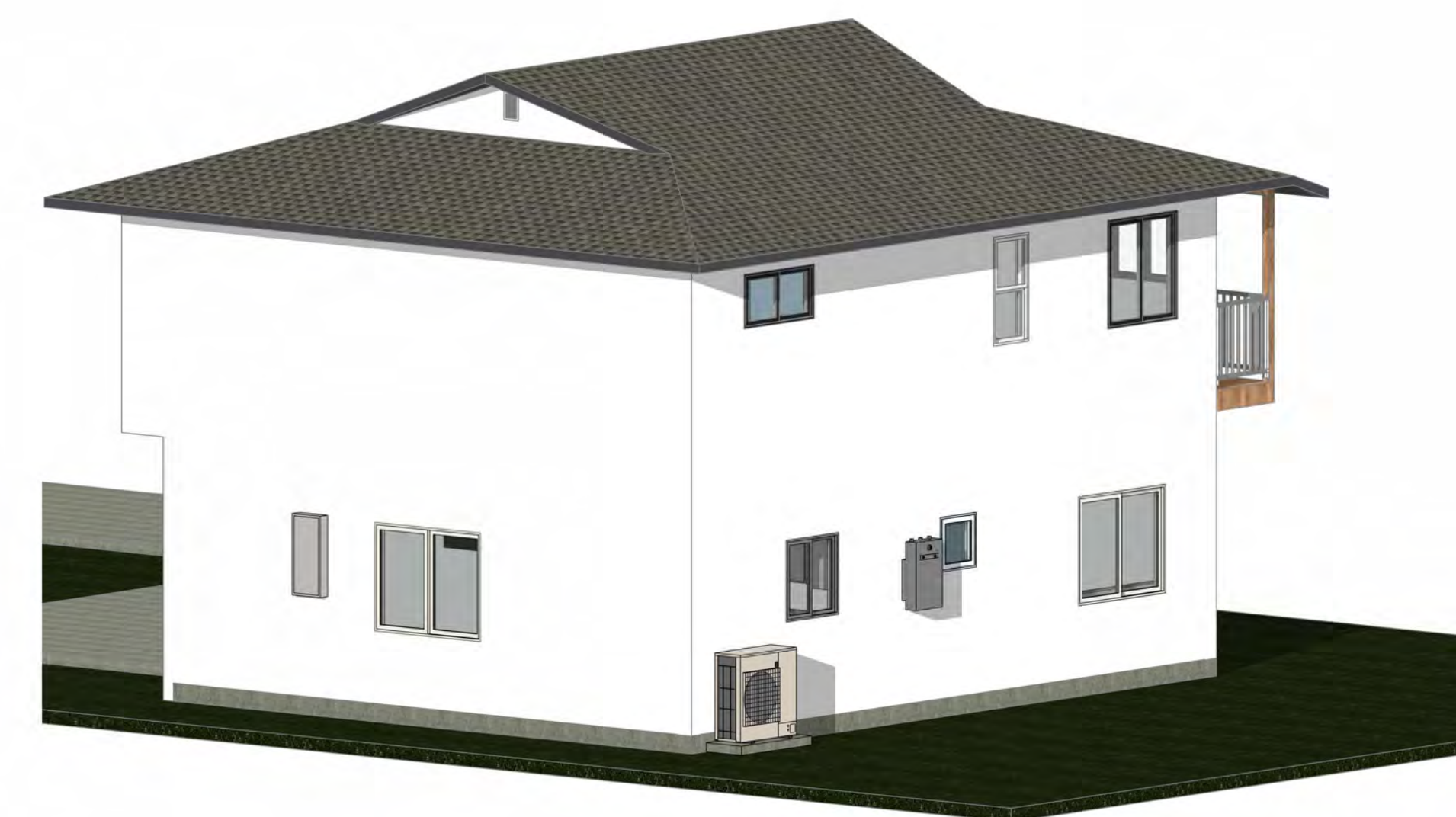
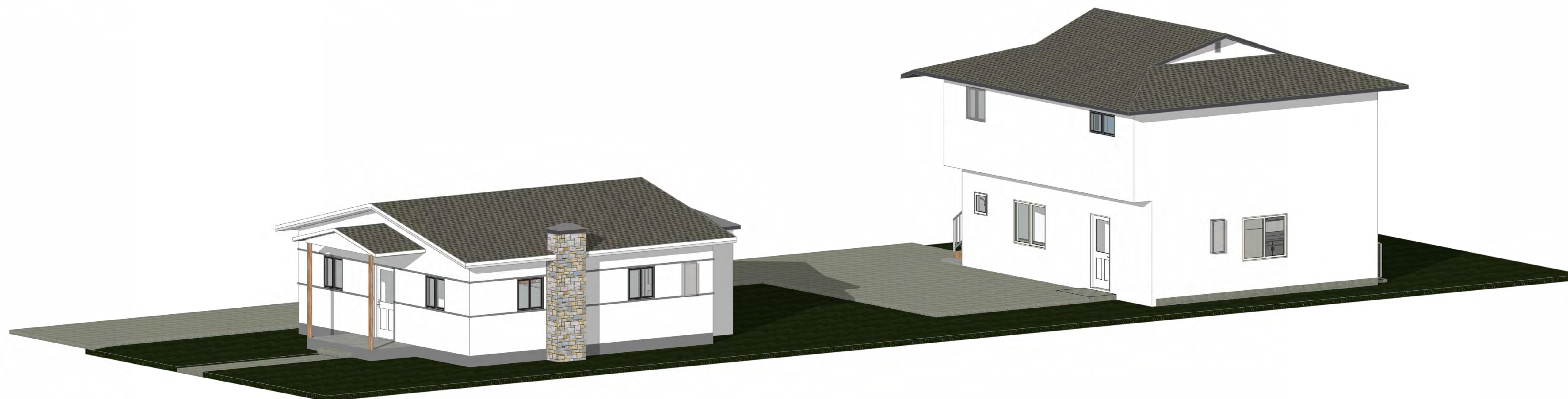
Drawn by _____
Checked by _____
Project Eng. _____
Scale _____

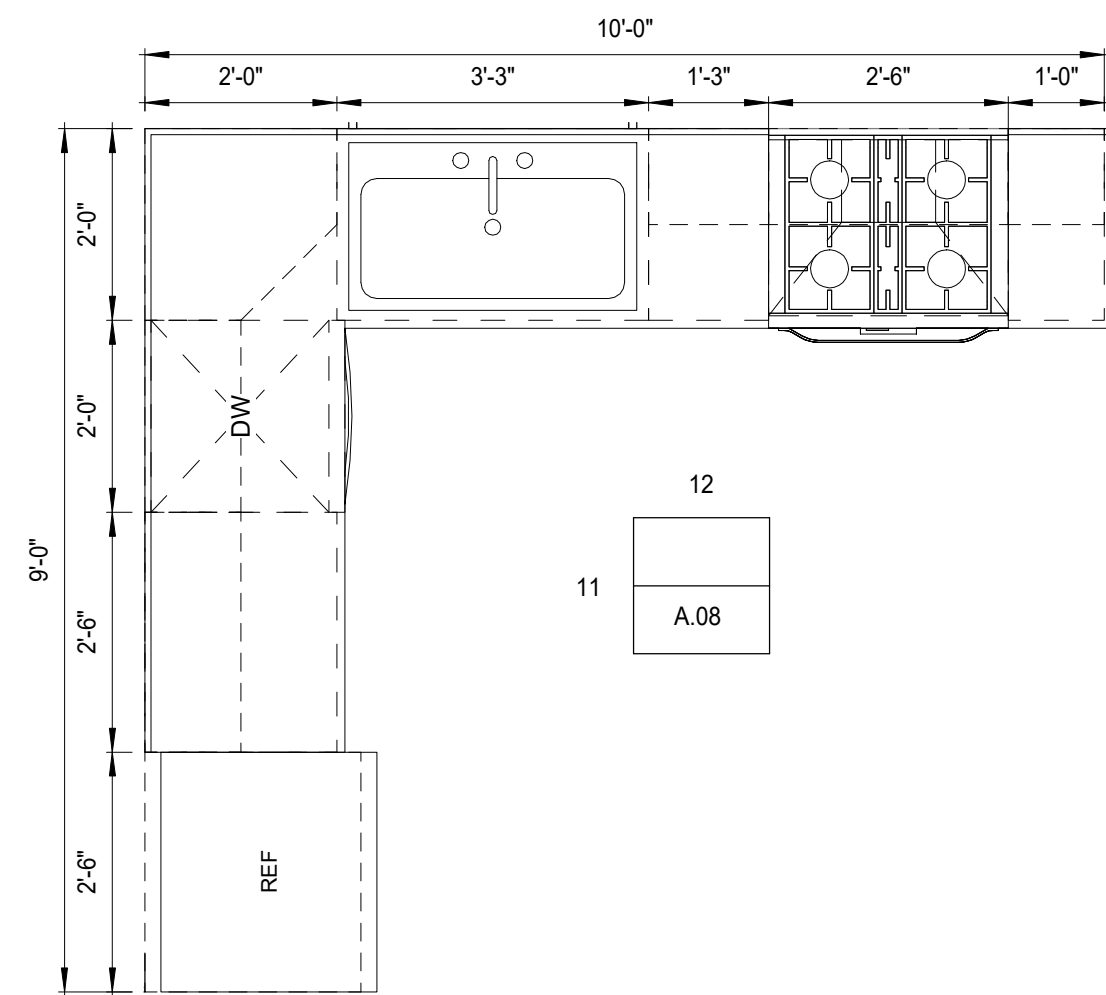
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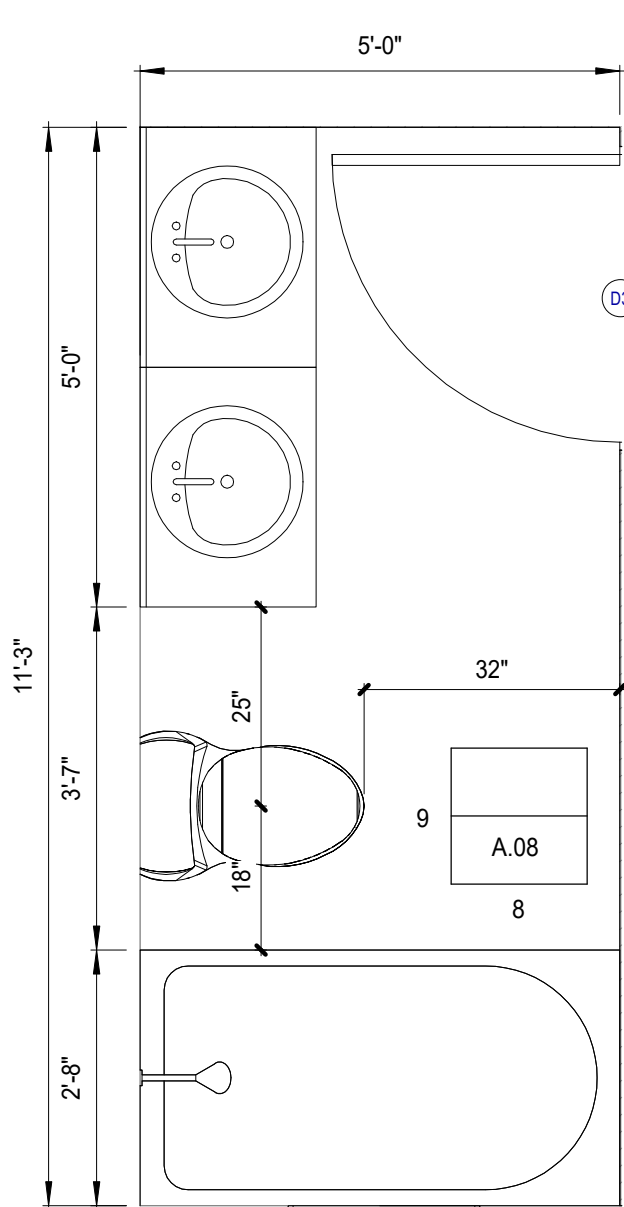
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Date 11-21-25	Job No	Rev. #
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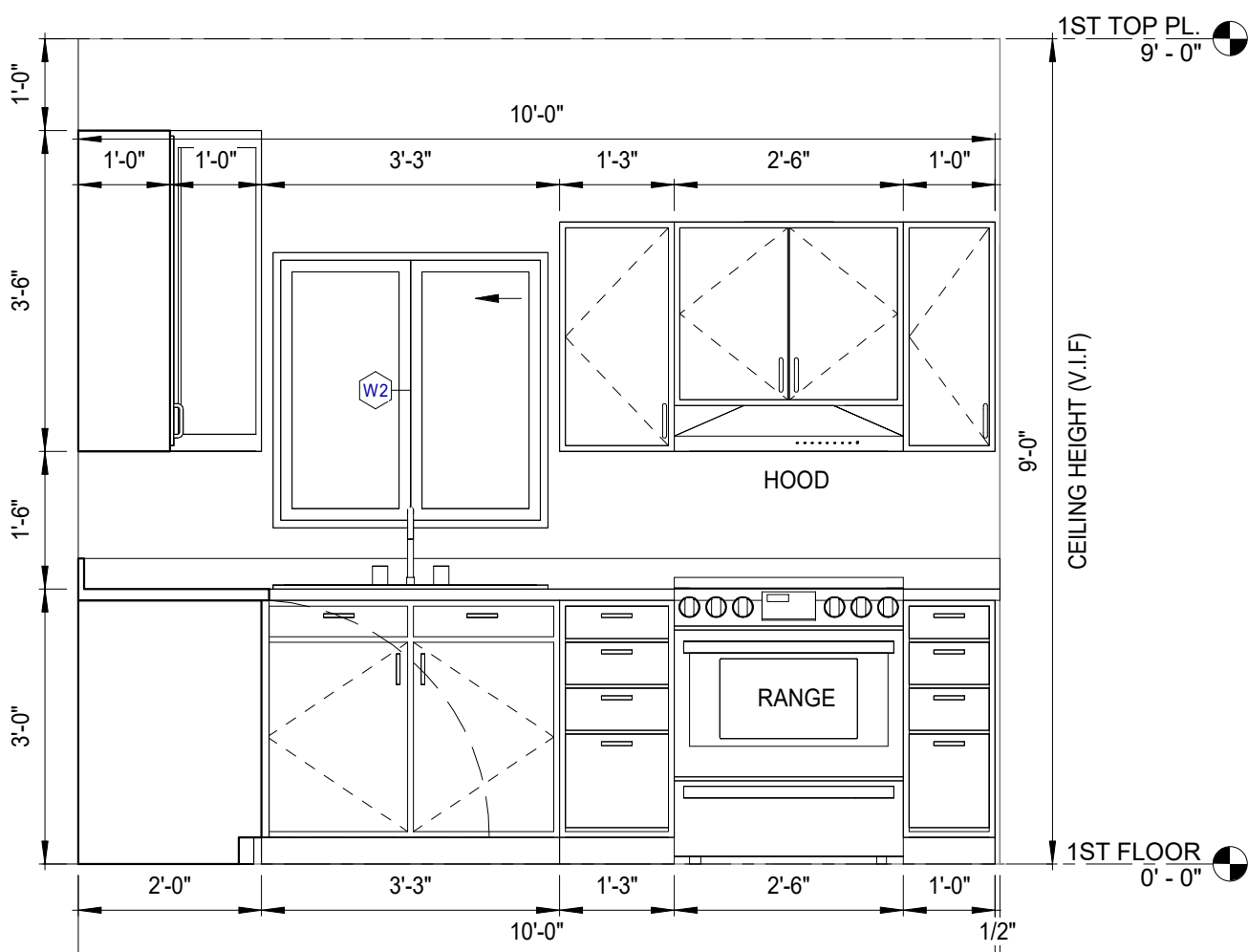




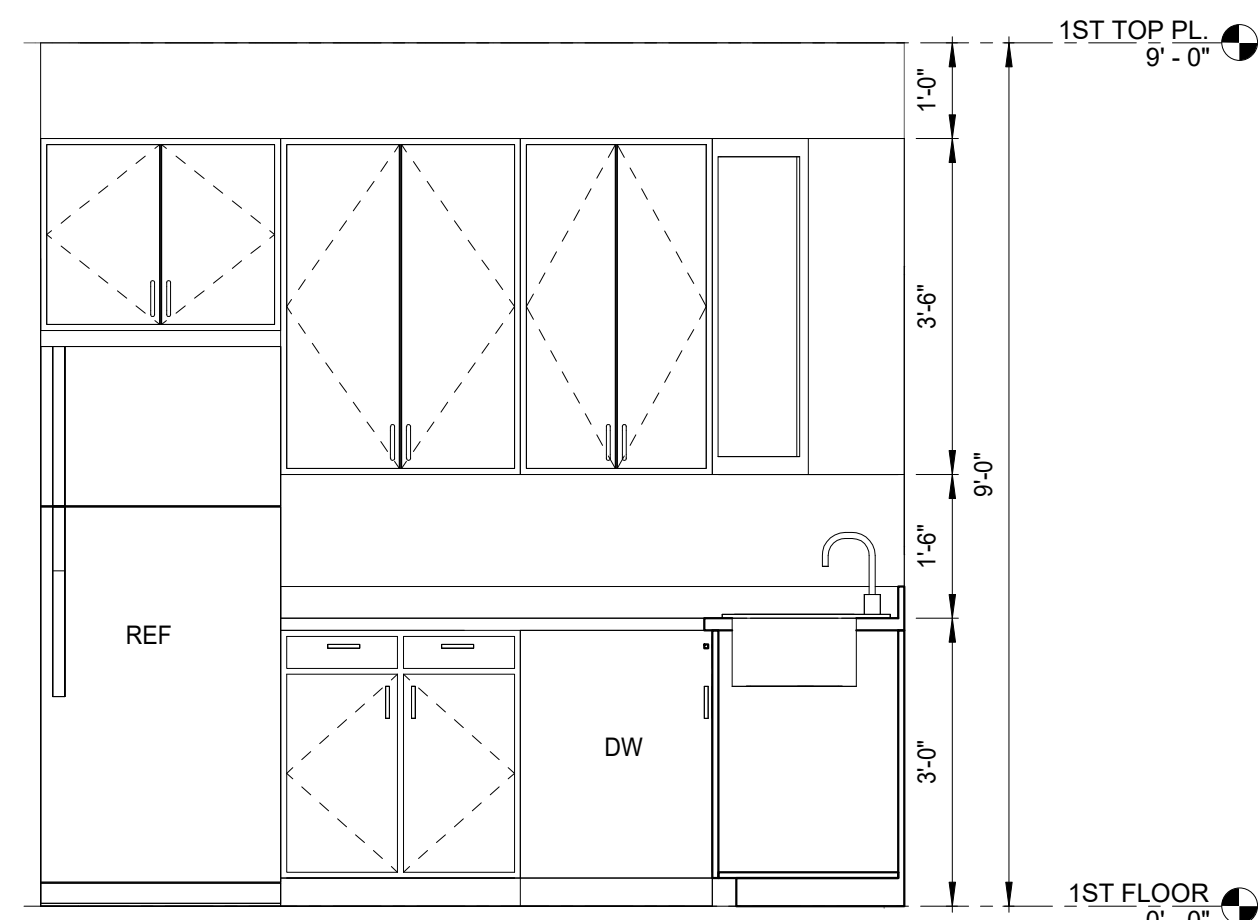
A
A.08 KITCHEN FLOOR PLAN
1/2" = 1'-0"



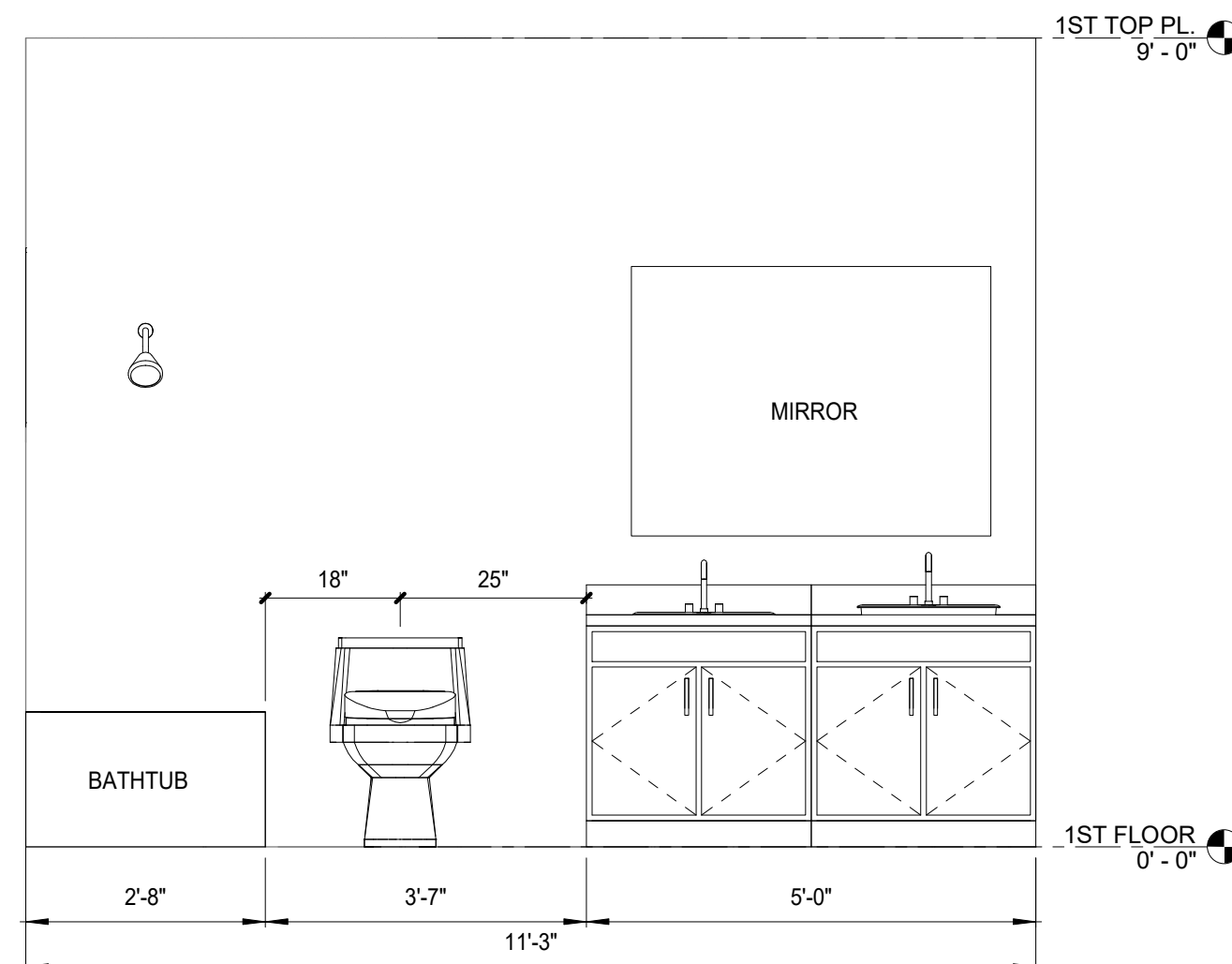
B
A.08 BATHROOM #1 FLOOR PLAN
1/2" = 1'-0"



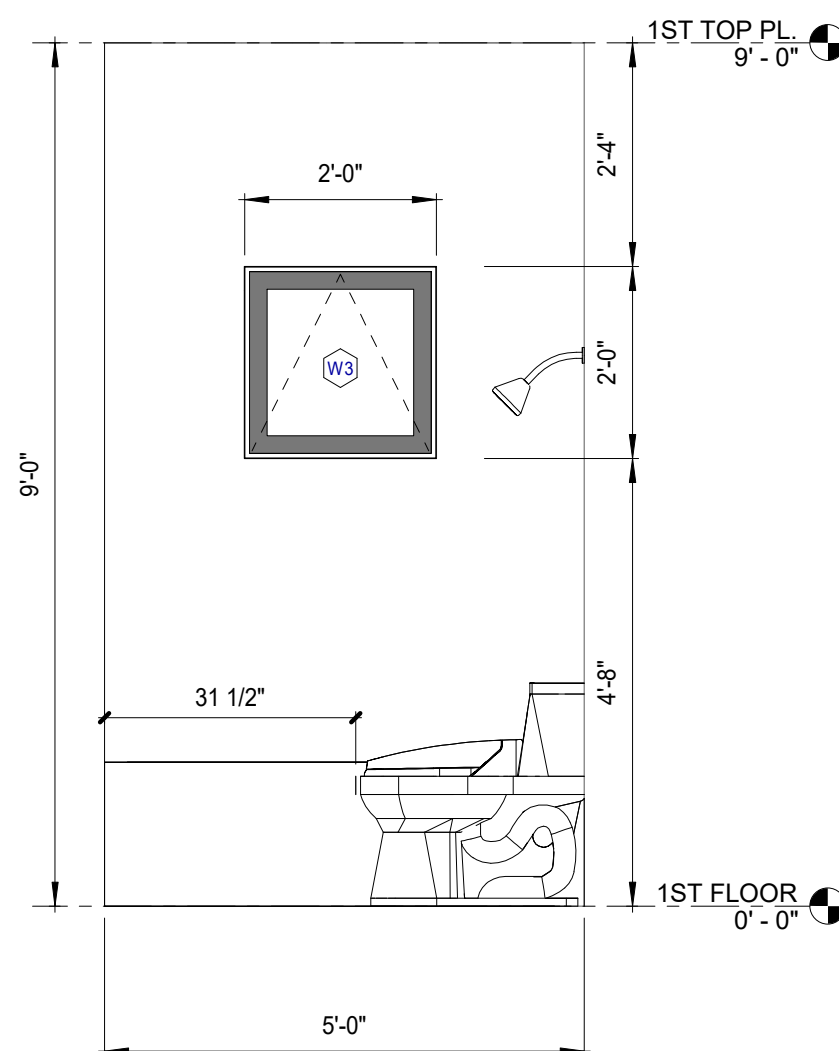
C
A.08 KITCHEN ELEVATION 1
1/2" = 1'-0"



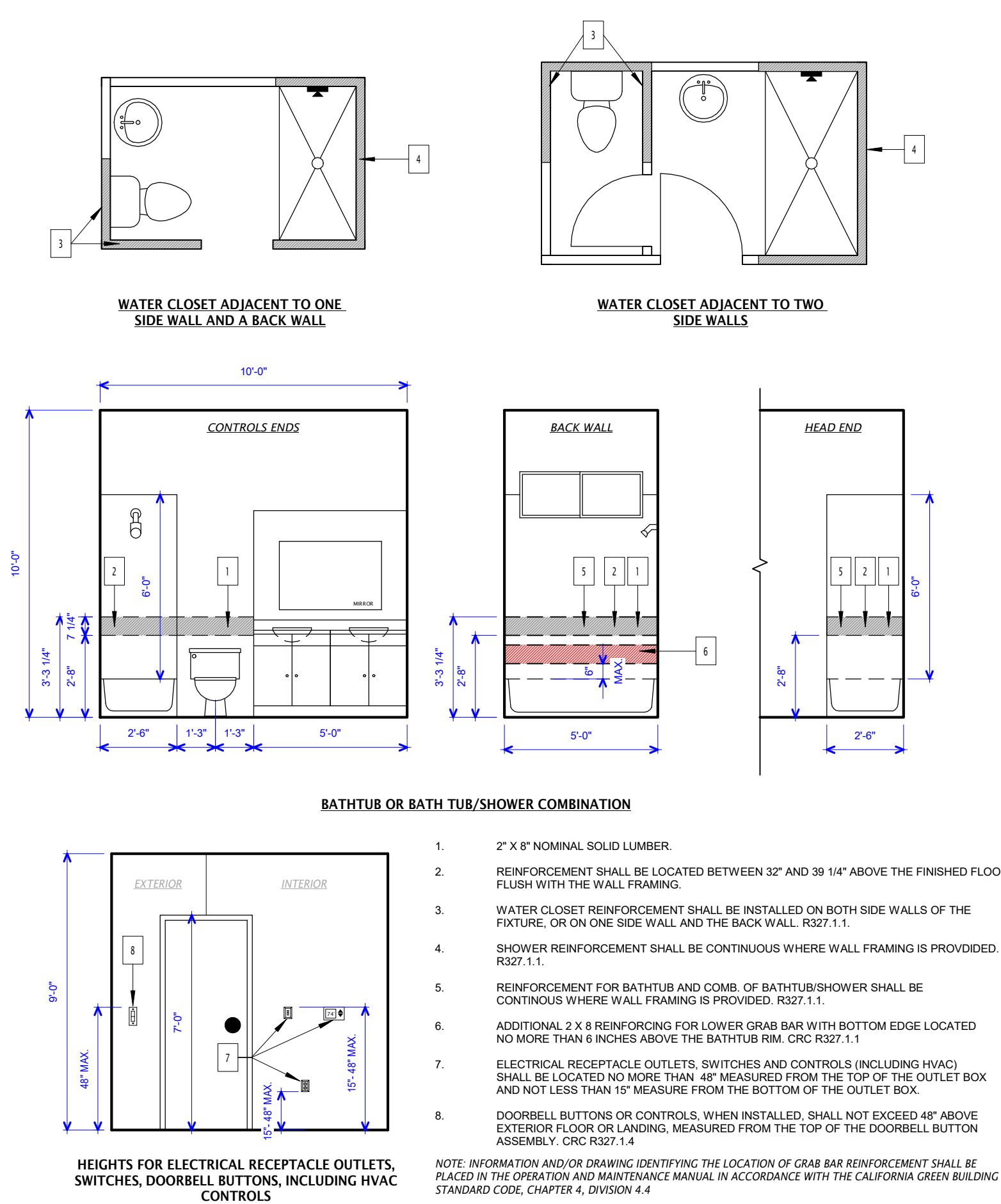
D
A.08 KITCHEN ELEVATION 2
1/2" = 1'-0"



E
A.08 BATHROOM #1 ELEVATION 1
1/2" = 1'-0"

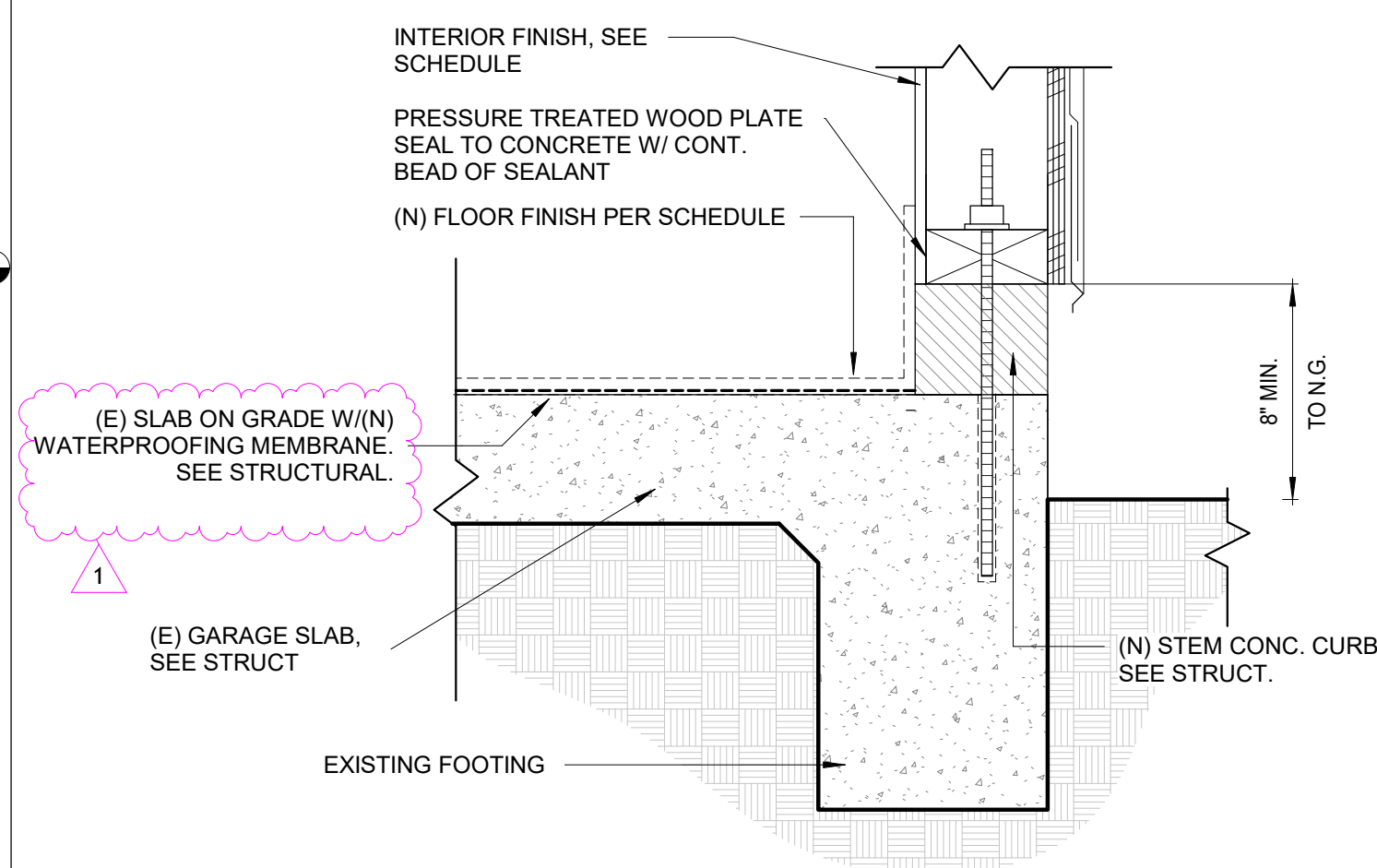


F
A.08 BATHROOM #1 ELEVATION 2
1/2" = 1'-0"



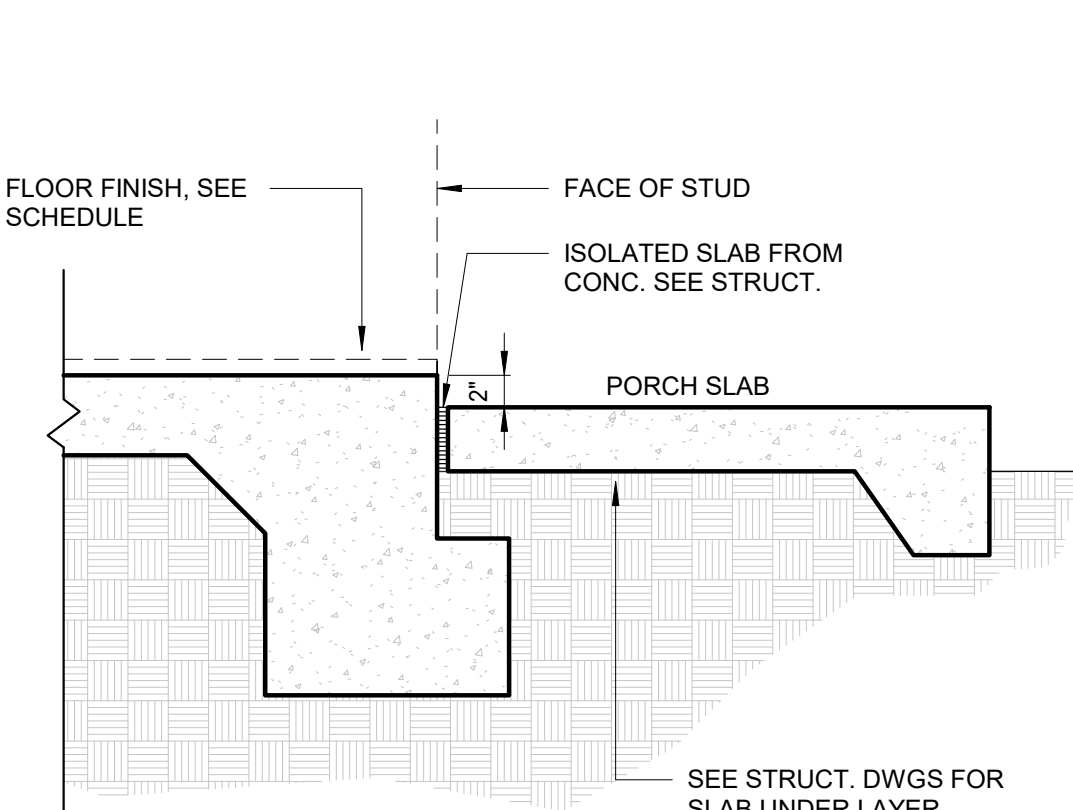
AGING IN PLACE RQMT'S PER CRC 327

N/A 9



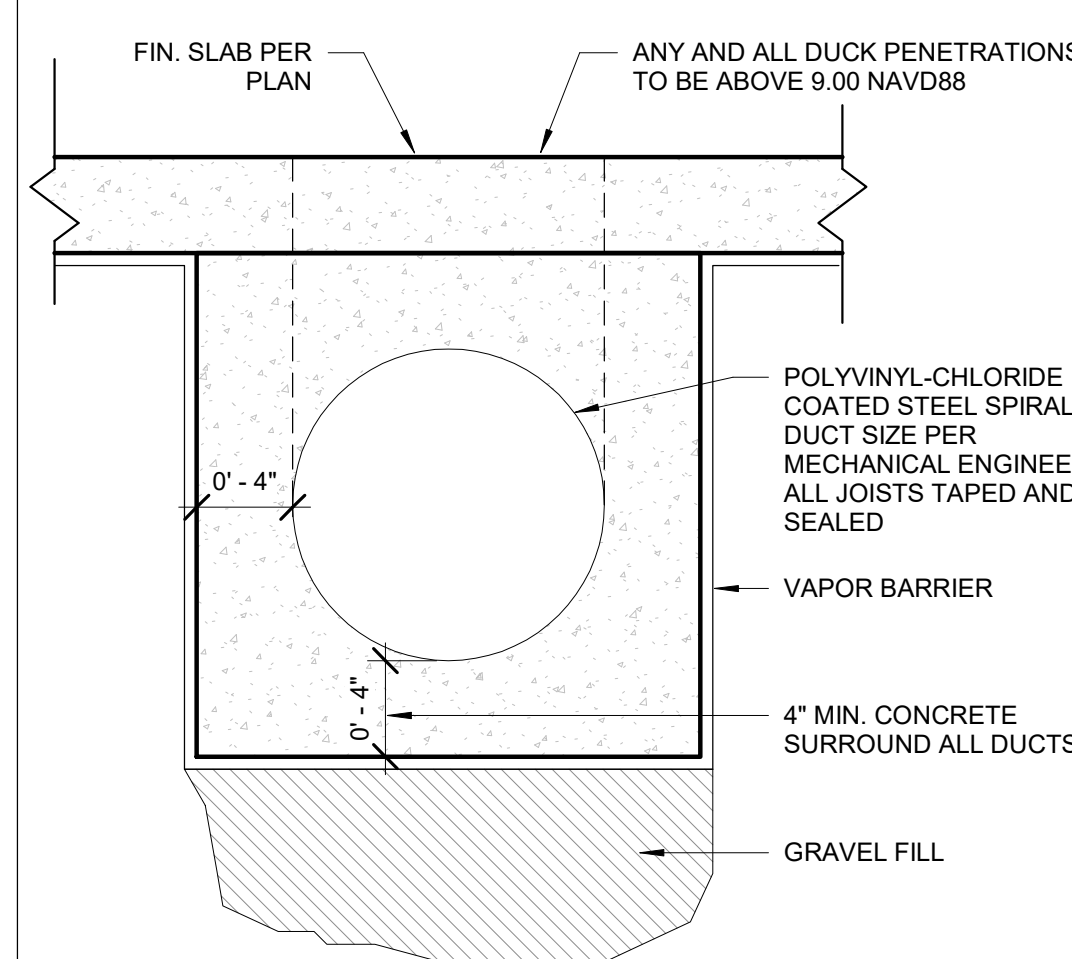
(E) SLAB W/ (N) W.P. MEMBRANE

N/A 8



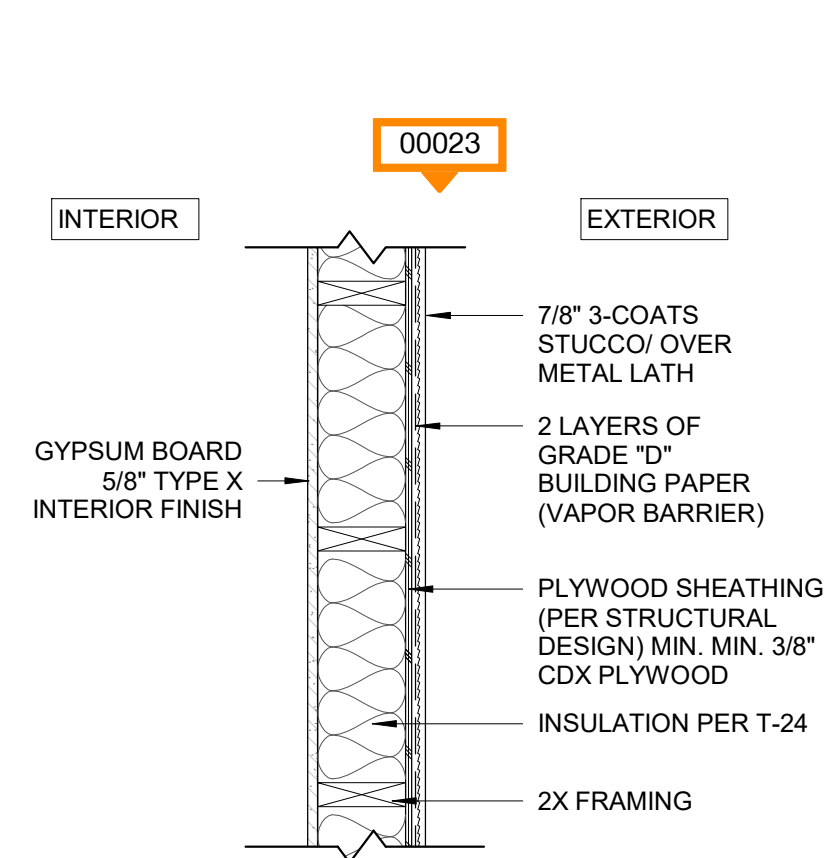
HOUSE TO PORCH

N/A 7



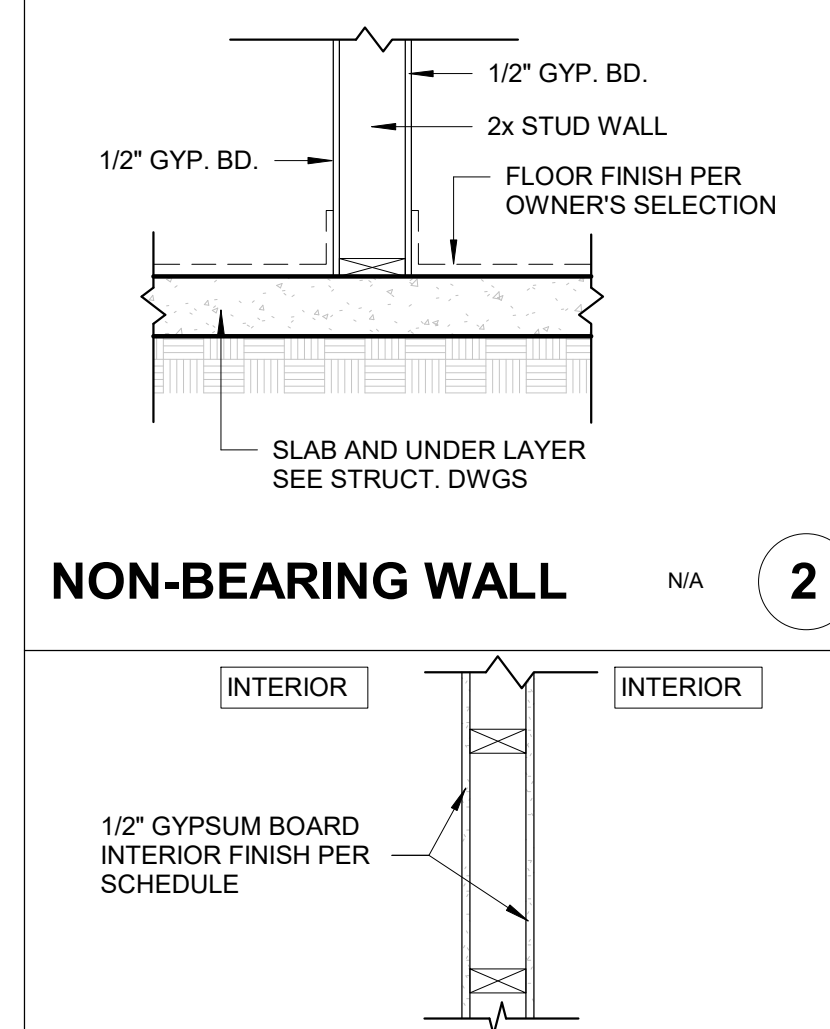
UNDER SLAB DUCT SYSTEM

N/A 6



1-HR FIRE RATED WALL

N/A 1

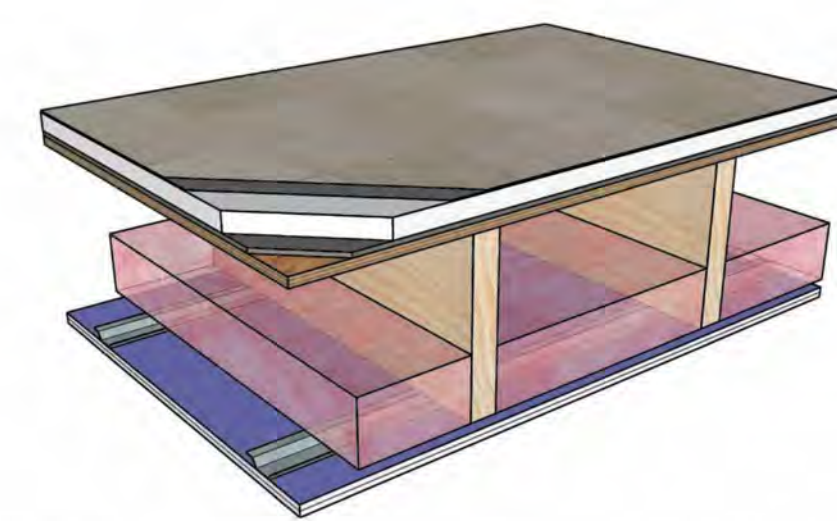


NON-BEARING WALL

N/A 2

INTERIOR WALL

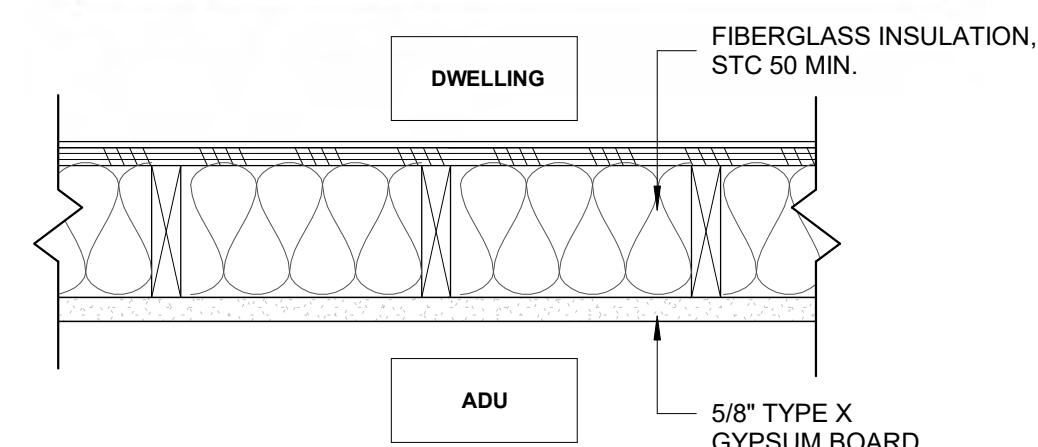
N/A 3



STC-58 IIC-60 NGC 5018018 NGC 7018008

Framing: 2x10 wood joists, 16" o.c.
Insulation: 3-1/2" glass fiber
Floor: Vinyl tile on foam mat on 1" gypsum underlayment on 1/4" random filament sound control mat on 5/8" plywood
Ceiling: 3/4" SoundBreak XP Ceiling Board on RC-1

UL Design: M514 - 1 hour



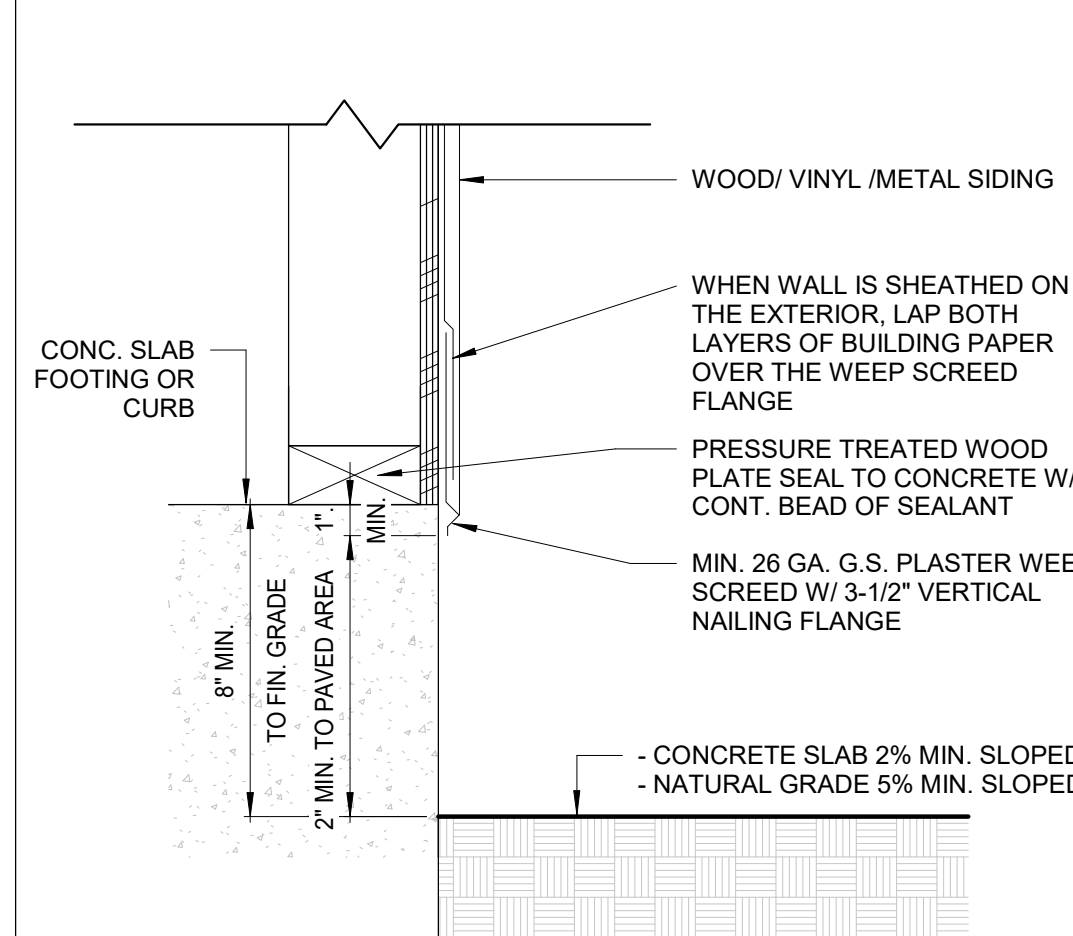
WOOD JOIST, GYPSUM WALLBOARD
ONE LAYER OF 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE SHALL BE INSTALLED PERPENDICULAR TO THE CEILING FRAMING AND SHALL BE FASTENED AT MAXIMUM 6 INCHES O.C. BY MIN. 1 7/8 INCHES 6D COATED NAILS OR EQUIVALENT DRYWALL SCREWS

REQ'D FIRE BARRIER CRC SEC. R302.6

OCCUPANCY SEPARATION

ADU-UPPER UNIT FLOOR

N/A 4



WEEP SCREED DETAIL

N/A 5

Revisions		
Date	Description	
04-20-2026	Plan check	1

Drawn by
Checked by
Project Eng.
Scale
Sheet Name
ARCHITECTURAL DETAILS



Sheet No		
A.08		
Date	Job No	Rev.
11-21-25		#

NOTE
C: CONTRACTOR
A: ARCHITECT
E: ENGINEER
O: OWNER



California

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 1

Y	N/A	RESPON. PARTY		Y	N/A	RESPON. PARTY		Y	N/A	RESPON. PARTY		Y	N/A	RESPON. PARTY		Y	N/A	RESPON. PARTY		
			CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL	☐	☐			☐	☐			☐	☐			☐	☐			
			301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.																	
			301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration.	☐	☐			☐	☐			☐	☐							
			The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section 4.106.4.3 for application.																	
			Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section.																	
			Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.																	
			301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] The provisions of individual sections of CALGreen may apply to either low-rise residential buildings high-rise residential buildings, or both. Individual sections will be designated by banners to indicate where the section applies specifically to low-rise only (LR) or high-rise only (HR). When the section applies to both low-rise and high-rise buildings, no banner will be used.																	
			SECTION 302 MIXED OCCUPANCY BUILDINGS																	
			302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.																	
			Exceptions: 1. [HCD] Accessory structures and accessory occupancies serving residential buildings shall comply with Chapter 4 and Appendix A4, as applicable. 2. [HCD] For purposes of CALGreen, livework units, complying with Section 419 of the <i>California Building Code</i> , shall not be considered mixed occupancies. Live/Work units shall comply with Chapter 4 and Appendix A4, as applicable.					☐	☐											
			DIVISION 4.1 PLANNING AND DESIGN																	
			ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development BSC California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development LR Low Rise HR High Rise AA Additions and Alterations N New					☐	☐											
			CHAPTER 4 RESIDENTIAL MANDATORY MEASURES																	
			SECTION 4.102 DEFINITIONS 4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (<i>and are included here for reference</i>)																	
			FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water.					☐	☐											
			WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls.					☐	☐											
			4.106 SITE DEVELOPMENT 4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section.	☐	☐	☐														
			4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site. 1. Retention basins of sufficient size shall be utilized to retain storm water on the site. 2. Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency. 3. Compliance with a lawfully enacted storm water management ordinance.	☐	☐	☐														
			Note: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil. (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)																	
			4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 1. Swales 2. Water collection and disposal systems 3. French drains 4. Water retention gardens 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.	☐	☐	☐		☐	☐											
			Exception: Additions and alterations not altering the drainage path.																	
			4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Section 4.106.4.1 or 4.106.4.2. Electric vehicle supply equipment (EVSE) shall comply with the <i>California Electrical Code</i> .	☐	☐	☐														
			Exceptions: 1. On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: 1.1 Where there is no local utility power supply or the local utility is unable to supply adequate power. 1.2 Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 4.106.4, may adversely impact the construction cost of the project. 2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking facilities.	☐	☐	☐		☐	☐											
			4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.																	
			Exemption: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i> .					☐	☐											
			4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".																	
			4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities. When parking is provided, parking spaces for new multifamily dwellings, hotels and motels shall meet the requirements of Section 4.106.4.2.2. Calculations for spaces shall be rounded up to the nearest whole number. A parking space served by electric vehicle supply equipment or designed as an EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by a local jurisdiction. See Vehicle Code Section 22511.2 for further details.	☐	☐			☐	☐											
			4.106.4.2.1 Reserved.					☐	☐											
			4.106.4.2.2 Multifamily dwellings, hotels and motels 1. EV ready parking spaces with receptacles. a. Multifamily parking facilities with assigned parking. Where dwelling units are provided with assigned parking spaces equal to or greater than the number of dwelling units, at least one low power Level 2 EV charging receptacle shall be provided at an assigned parking space for each dwelling unit. 1. Where the total number of dwelling units exceeds the number of assigned parking spaces, all assigned parking spaces shall be provided with one low power Level 2 EV charging receptacle. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the <i>California Building Code</i> , or parking facilities otherwise incapable of supporting electric vehicle charging. b. Multifamily parking facilities with unassigned parking. Where dwelling units are provided with unassigned parking spaces equal to or greater than the number of dwelling units, at least one low power Level 2 EV charging receptacle shall be provided at an unassigned parking space for each dwelling unit. 1. Where the total number of dwelling units exceeds the number of unassigned parking spaces, all unassigned parking spaces shall be provided with one low power Level 2 EV charging receptacle. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the <i>California Building Code</i> , or parking facilities otherwise incapable of supporting electric vehicle charging. 3. Multifamily parking facilities with assigned and unassigned parking. Where multifamily buildings are provided with both assigned and unassigned parking spaces equal to or greater than the number of dwelling units, at least one low power Level 2 EV charging receptacle shall be provided for each dwelling unit at either the assigned or unassigned parking space, but not both. d. Receptacle power source. EV charging receptacles in multifamily parking facilities at assigned parking spaces shall be provided with a dedicated branch circuit connected to the dwelling unit's electrical panel, unless determined as infeasible by the project builder or designer and subject to concurrence of the local enforcing agency. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the <i>California Building Code</i> , or parking facilities otherwise incapable of supporting electric vehicle charging. e. Receptacle configurations. 208/240V EV charging receptacles shall comply with one of the following configurations: 1. For 20-ampere receptacles, NEMA 6-20R 2. For 30-ampere receptacles, NEMA 14-30R 3. For 50-ampere receptacles, NEMA 14-50R	☐	☐			☐	☐											
			2. EV ready parking spaces with EV chargers a. Multifamily parking facilities with unassigned or common use parking. In addition to the low power Level 2 EV charging receptacle requirements of Section 4.106.4.2.2 (1), twenty-five (25) percent of unassigned or common use parking spaces not already provided with low power Level 2 EV charging receptacles, pursuant to Section 4.106.4.2.2 (1), shall be equipped with Level 2 EV chargers and shall be made available for use by all residents or guests. b. EV charger connectors. EV chargers shall be equipped with J1772 or J3400 connectors.	☐	☐	☐		☐	☐											
			c. An automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EV chargers shall have a capacity of not less than 30 amperes.					☐	☐											
			4.106.4.2.2.1 Electric vehicle charging stations (EVCS). Electric vehicle charging stations required by Section 4.106.4.2.2, Item 2, with EV chargers installed shall comply with Section 4.106.4.2.2.1.1.	☐	☐	☐		☐	☐											
			Exception: Electric vehicle charging stations serving public accommodations, public housing, motels and hotels shall not be required to comply with this section. See <i>California Building Code</i> , Chapter 11B, for applicable requirements.																	
			4.106.4.2.2.1.1 Electric vehicle charging stations (EVCS) spaces with EV chargers installed; dimensions and location. EVCS spaces shall be designed to comply with the following: 1. The minimum length of each EVCS space shall be 18 feet (5486 mm). 2. The minimum width of each EVCS space shall be 9 feet (2743 mm). 3. One in every 25 EVCS spaces, but not less than one, shall also have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EVCS space is 12 feet (3658 mm). Surface space for this EVCS space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction. These EVCS spaces shall also comply with at least one of the following: a. The EVCS space shall be located adjacent to an accessible parking space meeting the requirements of the <i>California Building Code</i> , Chapter 11A, to allow use of the EV charger from the accessible parking space. b. The EVCS space shall be located on an accessible route, as defined in the <i>California Building Code</i> , Chapter 2, to the building. Exception: Electric vehicle charging stations designed and constructed in compliance with the <i>California Building Code</i> , Chapter 11B, are not required to comply with Section 4.106.4.2.2.1.1.	☐	☐	☐		☐	☐											
			4.106.4.2.2.1.2 Accessible electric vehicle charging station spaces. In addition to the requirements in Section 4.106.4.2.2.1.1, all EV chargers, where installed, shall comply with the accessibility provisions for EV chargers in the <i>California Building Code</i> , Chapter 11B. EV ready spaces and EVCS in multifamily developments shall comply with <i>California Building Code</i> , Chapter 11A, Section 1109A.																	
			4.106.4.2.3 Reserved.					☐	☐											
			4.106.4.2.4 Reserved.																	
			4.106.4.2.5 Electric vehicle ready space signage. Electric vehicle ready spaces shall be identified by signage or pavement markings, in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).					☐	☐											
			4.106.4.2.6 Hotels and motels. 1. EV ready parking spaces with receptacles. a. Hotels and motels. Forty (40) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the <i>California Building Code</i> , or parking facilities otherwise incapable of supporting electric vehicle charging. b. Receptacle configurations. 208/240V EV charging receptacles shall comply with one of the following configurations: 1. For 20-ampere receptacles, NEMA 6-20R 2. For 30-ampere receptacles, NEMA 14-30R 3. For 50-ampere receptacles, NEMA 14-50R2	☐	☐	☐		☐	☐											
			2. EV Ready parking spaces with EV chargers. a. Hotels and motels. Twenty-five (25) percent of the total number of parking spaces shall be equipped with Level 2 EV chargers. b. EV charger connectors. EV chargers shall be equipped with J1772 or J3400 connectors. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the <i>California Building Code</i> , or parking facilities otherwise incapable of supporting electric vehicle charging.																	
			c. An automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EV chargers shall have a capacity of not less than 30 amperes.																	
			4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings, hotels and motels. When existing parking facilities are altered or new parking spaces are added to existing parking facilities, and the work requires a building permit, each parking space added or altered shall have access to either a low power Level 2 EV charging receptacle or Level 2 EV charger, unless determined as infeasible by the project builder or designer and subject to concurrence of the local enforcing agency. Exception: Where work requiring a permit is being performed for the installation of 120-volt electrical receptacle(s) for level 1 EV charging.	☐	☐			☐	☐											
			4.106.4.4 Bicycle parking. Bicycle parking shall comply with Sections 4.106.4.4.1 through 4.106.4.4.3. 4.106.4.4.1 Short-term bicycle parking for multifamily buildings, hotels and motels. Provide on-site bicycle parking at a ratio of one parking space for every 10,000 square feet, but not less than two spaces. Short-term bicycle parking shall be located within 200 feet of building entrances, and readily visible to passers-by. Acceptable parking facilities shall be conveniently accessed from the street and may include, but not be limited to: 1. Permanently anchored bicycle parking devices, racks, or lockers in an unsheltered, open area. 2. Covered or uncovered enclosures with permanently anchored bicycle parking devices or racks. 4.106.4.4.2 Long-term bicycle parking for multifamily buildings. Provide on-site bicycle parking at a ratio of one parking space for every two dwelling units. Acceptable parking facilities shall be conveniently accessed from the street and may include, but not be limited to: 1. Covered, lockable enclosures with permanently anchored bicycle parking devices or racks. 2. Lockable bicycle storage rooms with permanently anchored bicycle parking devices or racks. 3. Lockable, weatherproof, permanently anchored bicycle lockers. 4.106.4.4.3 Long-term bicycle parking for hotel and motel buildings. Provide one on-site long-term bicycle parking space for every 25,000 square feet, but not less than two. Acceptable parking facilities shall be conveniently accessed from the street and may include, but not be limited to: 1. Covered, lockable enclosures with permanently anchored bicycle parking devices or racks. 2. Lockable bicycle storage rooms with permanently anchored bicycle parking devices or racks. 3. Lockable, weatherproof, permanently anchored bicycle lockers.	☐	☐	☐		☐	☐											
			DIVISION 4.2 ENERGY EFFICIENCY																	
			4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.					☐	☐											
			DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION																	
			4.303 INDOOR WATER USE 4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.4.4. Note: All noncompliant plumbing fixtures in any residential real property shall be replaced with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy, or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.	☐	☐	☐		☐	☐											
			4.303.1.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.					☐	☐											
			4.303.1.2 Urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush. The effective flush volume of all other urinals shall not exceed 0.5 gallons per flush.																	
			4.303.1.3 Showerheads. 4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads. 4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead.																	
			4.303.1.4 Faucets. 4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi. 4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside of dwellings or sleeping units) in residential buildings shall not exceed 0.5 gallons per minute at 60 psi. 4.303.1.4.3 Metering Faucets. Metering faucets when installed in residential buildings shall not deliver more than 0.2 gallons per cycle. 4.303.1.4.4 Kitchen Faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction. 4.303.1.4.5 Pre-rinse spray valves. When installed, commercial pre-rinse spray valves shall meet the requirements in the California Plumbing Code, Section 420.3.	☐	☐	☐		☐	☐											
			4.303.2 Submeters for multifamily buildings and dwelling units in mixed-used residential/commercial buildings. Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the <i>California Plumbing Code</i> .					☐	☐											
			4.303.3 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1 of the <i>California Plumbing Code</i> .																	
			4.304 OUTDOOR WATER USE 4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. NOTES: 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the <i>California Code Regulations</i> , Title 23, Chapter 2.7, Division 2. MWELO and supporting documents, including water budget calculator, are available at: https://www.water.ca.gov/																	
			DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY																	
			4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE 4.406.1 ROBBENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in sole-bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency. 4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65 percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance. Exceptions: 1. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite. 3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility.	☐	☐	☐		☐	☐											
			4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency. 1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale. 2. Specify if construction and demolition waste materials will be sorted on-site (source separated) or bulk mixed (single stream). 3. Identify diversion facilities where the construction and demolition waste material collected will be taken. 4. Identify construction methods employed to reduce the amount of construction and demolition waste generated. 5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.					☐	☐											



ALVARADO ST. ADU

216-218 ALVARADO STREET CHULA VISTA, CA

[illegible]

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.

NOT FOR CONSTRUCTION - THIS PLAN IS FOR BUILDING DEPARTMENT REVIEW ONLY. SUBJECT TO REVISION

A.10

Date 11-21-25	Job No	Rev #
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DESIGN CRITERIA

A. GENERAL	
BUILDING CODE	2022 CBC
RISK CATEGORY	II
B. SOIL PARAMETERS	
BASED ON PRESUMPTIVE LOAD-BEARING VALUES (TABLE 1806.2, CBC)	
ALLOWABLE SOIL BEARING PRESSURE	1500 psf
ALLOWABLE PASSIVE PRESSURE	100 psf/ft

C. GRAVITY DESIGN PARAMETERS (psf)

	LOAD	ROOF	FLOOR	CEILING	EXTERIOR WALL	INTERIOR WALL
DEAD		15	15	8	17	10
ROOF LIVE		20				
LIVE		-	40	10		

D. LATERAL DESIGN PARAMETERS	
WIND PARAMETERS	
EXPOSURE CATEGORY	C
DESIGN SPEED	96 mph

SEISMIC PARAMETERS	
SEISMIC DESIGN CATEGORY	D
SEISMIC IMPORTANCE FACTOR, I _e	1
SITE CLASS	D-DEFAULT
SHORT PERIOD SPECTRAL ACCELERATION, S _s	1.07
1ST PERIOD SPECTRAL ACCELERATION, S ₁	0.363
SHORT PERIOD ACCELERATION PARAMETER, S _{0.1}	0.856
1 SECOND ACCELERATION PARAMETER, S _{0.1}	0.469
MAIN LATERAL RESISTING SYSTEM	WOOD SHEARWALL
RESPONSE MODIFICATION FACTOR, R	6.5
SEISMIC RESPONSE COEFFICIENT, C _s	0.132
DESIGN BASE SHEAR V = 0.7C _s W	0.092W

GENERAL NOTES

- REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.
- STRUCTURAL INFORMATION SHOWN ON FRAMING PLANS IS FOR THE MAIN STRUCTURAL ELEMENTS. NON-STRUCTURAL ELEMENTS SHALL BE CONSTRUCTED PER APPROVED CODE REQUIREMENTS.
- DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT MODIFIED DETAIL FOR APPROVAL BY THE EOR TO FABRICATION AND INSTALLATION.
- DO NOT USE SCALED DIMENSIONS. USE WRITTEN DIMENSIONS, WHERE NO DIMENSION IS PROVIDE, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. FIELD MEASURE EXISTING DIMENSIONS NOT NOTED.
- OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE BEGINNING WORK. SPECIAL CARE SHALL BE TAKEN TO PROJECT UTILITIES THAT ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS.
- DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, ENGINEER OR CONSTRUCTION MANAGER SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
- SPECIFICATIONS RELATED TO WATERPROOFING, INCLUDING BUT NOT LIMITED TO MEMBRANES, WATERSTOPS, SEALANTS, FLASHING, VAPOR BARRIER, ARE AS SPECIFIED BY ARCHITECT/WATER PROOFING CONSULTANT.
- CONSTRUCTION MATERIALS SHALL BE DISTRIBUTED WHEN PLACED ON THE STRUCTURE SUCH THAT LOADS DO NOT EXCEED DESIGN LIVE LOADS OR RESULT IN AN UNBALANCED CONDITION.
- APPROVAL FROM THE AUTHORITY HAVING JURISDICTION MUST BE OBTAINED PRIOR TO INSTALLATION OF ITEMS REQUIRING DEFERRED SUBMITTAL.
- STRUCTURAL ELEMENTS INDICATED AS "BY OTHERS" ARE NOT INCLUDED IN THIS SCOPE OF WORK.
- THE GENERAL CONTRACTOR SHALL PROVIDE SEPARATE SUBMITTALS FOR SUCH ELEMENTS TO THE ENGINEER OF RECORD FOR REVIEW. UPON EOR ACCEPTANCE, SUBMITTALS SHALL BE FORWARDED TO THE BUILDING DEPARTMENT FOR FINAL REVIEW AND APPROVAL.

CONCRETE NOTES

- ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI, U.N.O.
- CONCRETE IS REINFORCED AND CAST-IN-PLACE, U.N.O. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF AC318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AND THE LATEST EDITION OF AC1117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS".
- NO MORE THAN ONE GRADE OF CONCRETE SHALL BE ON THE JOB SITE AT ANY ONE TIME.
- CONCRETE MIXES SHALL BE PREPARED WITH TYPE II/V PORTLAND CEMENT CONFORMING TO ASTM C150.
- CONCRETE MIX DESIGNS CONTAINING FLY ASH MAY BE USED WHERE CONCRETE IS NOT VISUALLY EXPOSED. FLY ASH SHALL CONFORM WITH ASTM C618 AND MAY REPLACE UP TO 20% PORTLAND CEMENT BY VOLUME.
- CONCRETE MIX PROPORTIONING SHALL MEET STATISTICAL STRENGTH REQUIREMENTS OF ACI 301 AND ACI 214R. MIX DESIGNS SHOWING COMPLIANCE WITH STRENGTH REQUIREMENTS TO BE SUBMITTED TO E.O.R FOR REVIEW.
- NORMAL WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33. LIGHT WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C330.
- CONCRETE STRENGTH TEST REPORTS SHALL BE IN COMPLIANCE WITH ACI 318 AND SHALL BE SUBMITTED TO E.O.R.
- WATER USED IN MIXING CONCRETE SHALL CONFORM WITH ASTM C1602.
- THOROUGHLY CLEAN AND ROUGHEN ALL HARDENED CONCRETE AND MASONRY SURFACES TO RECEIVE NEW CONCRETE. INTERFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF 1/4", U.N.O.N.

REINFORCING STEEL NOTES

- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 FOR ALL SIZES.
- ALL REINFORCING TO BE ACCURATELY AND SECURELY LOCATED PRIOR TO POURING CONCRETE.
- ALL HORIZONTAL REINFORCEMENT TO HAVE MATCHING DOWELS AT CORNERS OF WALLS. ALL VERTICAL REINFORCEMENT TO HAVE MATCHING DOWELS TO FOOTING, U.O.N.
- COVER SHALL BE: 3" CLEAR FOR CONCRETE CAST AGAINST EARTH, 2" CLEAR FOR CONCRETE EXPOSED TO MOISTURE BUT NOT CAST AGAINST EARTH, AND 1 1/2" FOR ALL OTHER CONDITIONS. (U.N.O)

FOUNDATION NOTES

- REFER TO NOTE #1 UNDER REINFORCED CONCRETE FOR CONCRETE STRENGTH SPECIFICATIONS.
- THE REQUIREMENTS OUTLINED IN CHAPTER 18 OF THE BUILDING CODE MUST BE ADHERED TO AS THE MINIMUM STANDARD UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED IN THE DRAWINGS OR TECHNICAL SPECIFICATIONS.
- ALL CONCRETE SHALL MEET THE REQUIRED STRENGTH AND SLUMP PER STRUCTURAL DESIGN. WHEN EXPOSED TO SULFATE-CONTAINING SOLUTIONS, IT SHALL CONFORM TO ASTM C-150 TYPE V PORTLAND CEMENT AND COMPLY WITH CBC SECTION 1904 (ACI 318 SECTION 19.3.2.1). AGGREGATES MUST MEET ASTM C-33 STANDARDS, AND MIXING WATER MUST BE CLEAN AND POTABLE.
- CONCRETE PLACEMENT MUST BE PERFORMED AS A CONTINUOUS OPERATION UNLESS OTHERWISE SPECIFIED. THE SLAB SURFACE SHALL BE CURED USING 'HUNTS' COMPOUND OR AN EQUIVALENT PRODUCT, OR BY OTHER METHODS IN ACCORDANCE WITH INDUSTRY BEST PRACTICES.
- CALCIUM CHLORIDE-CONTAINING ADMIXTURES SHALL NOT BE USED IN THE CONCRETE MIX.
- BEFORE PLACING CONCRETE, THE CONTRACTOR SHALL MOISTEN THE SAND/MEMBRANE UNDERLAYMENT TO ENSURE UNIFORM CURING. CONCRETE SLABS SHALL NOT BE POURED DURING OR IMMEDIATELY AFTER RAINFALL. THE SAND LAYER BENEATH VISQUEEN MUST NOT BE SATURATED AT THE TIME OF THE POUR, AND ANY STANDING WATER MUST BE REMOVED PRIOR TO PLACEMENT.
- EXCAVATED FOOTING BOTTOMS MUST BE LEVEL, CLEAN, AND FREE OF LOOSE MATERIALS OR WATER BEFORE CONCRETE IS POURED. OVER-EXCAVATED AREAS MUST BE BACKFILLED WITH CONCRETE OR PROPERLY COMPACTED FILL. BACKFILLING SHOULD NOT OCCUR UNTIL THE SUPPORTING FOUNDATION, WALLS, AND SLAB HAVE REACHED ADEQUATE STRENGTH TO RESIST LATERAL SOIL PRESSURE.
- FOOTINGS MUST REST ON UNDISTURBED NATIVE SOIL OR COMPACTED ENGINEERED FILL.
- ALL EXCAVATIONS MUST BE PROPERLY BACKFILLED WITH NON-EXPANSIVE SOIL. HOWEVER, BACKFILL BEHIND RETAINING WALLS MUST ONLY BE PLACED AFTER THE CONCRETE OR MASONRY HAS REACHED ITS FULL DESIGN STRENGTH.
- IF NO GEOTECHNICAL REPORT IS PROVIDED, IT IS THE RESPONSIBILITY OF THE LICENSED GENERAL CONTRACTOR OR OWNER-BUILDER TO VERIFY THAT THE STRUCTURE IS ENTIRELY SITUATED ON UNDISTURBED, NON-EXPANSIVE NATIVE SOIL. IF FILL, EXPANSIVE SOIL, OR ANY SIGNS OF GEOLOGICAL INSTABILITY ARE SUSPECTED, THE GEOTECHNICAL ENGINEER AND THE ENGINEER OF RECORD MUST BE CONSULTED TO MODIFY THE DESIGN ACCORDINGLY.
- PRESATURATION REQUIREMENTS FOR SUBGRADE SOILS AND SETBACK DISTANCES FOR EXTERIOR FOOTINGS FROM DESCENDING SLOPES MUST BE FOLLOWED.
- THE FINISHED GRADE AROUND THE PERIMETER OF THE SLAB SHALL BE CONSTRUCTED TO ENSURE THAT RAIN AND IRRIGATION WATER DRAINS AWAY FROM THE STRUCTURE.
- SITE AND PAD PREPARATION, INCLUDING BUT NOT LIMITED TO GRADING, FILL COMPACTION, PRESATURATION, AND CONCRETE SLAB BASE PREPARATION, SHALL BE COMPLETED AS REQUIRED.
- FOUNDATION DRAWINGS PREPARED BY THE ENGINEER OF RECORD REFLECT STRUTURAL REQUIREMENTS, FOR DIMENSIONS, SLOPES, RECESSES, SHELVES, PATIOS, STOOPS, AND PORCHES NOT INDICATED IN THE FOUNDATION DRAWINGS, REFER TO THE ARCHITECTURAL PLANS. THE CONTRACTOR AND ARCHITECT MUST VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION TO ENSURE PROPER FIT.
- WHERE NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE, THE EXISTING SURFACE SHALL BE ROUGHENED TO A MINIMUM AMPLITUDE OF 1/4".
- GRADE BEAMS SHALL BE POURED MONOLITHICALLY ALONG THEIR ENTIRE LENGTH.
- ALUMINUM CONDUIT, SLEEVES, AND EMBEDS ARE NOT PERMITTED IN CONCRETE.
- NO PIPES OR CONDUITS SHALL PASS BENEATH ISOLATED COLUMN FOOTINGS OR CONTINUOUS WALL FOOTINGS UNLESS SPECIFICALLY DETAILLED AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING OFFICIAL.
- ALL CONDUITS SHALL BE PLACED WITHIN THE MIDDLE ONE-THIRD OF THE SLAB THICKNESS. THE MAXIMUM CONDUIT DIAMETER SHALL BE 1-1/4", AND CONDUITS MUST BE SPACED AT LEAST 4 INCHES APART FROM EACH OTHER AND FROM REINFORCING STEEL UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.
- A MINIMUM OF ONE #4 REINFORCING BAR SHALL BE PROVIDED FOR ELECTRICAL GROUNDING, WITH THE LOCATION VERIFIED WITH THE ELECTRICAL CONTRACTOR.
- ALL HOLDOWNS AND POST ANCHORS MUST BE SECURED IN PLACE PRIOR TO THE FOUNDATION INSPECTION.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL MATERIALS AND FABRICATION MUST COMPLY WITH THE REQUIREMENTS SET FORTH IN CHAPTER 22 OF THE BUILDING CODE AND RELEVANT REFERENCED STANDARDS.
- UNLESS OTHERWISE SPECIFIED, ALL STEEL SHALL BE COATED WITH A RUST-RESISTANT PRIMER AND MEET ASTM A36 (FY = 36 KSI) AT A MINIMUM. WIDE FLANGE (W) SHAPES MUST CONFORM TO ASTM A992 (FY = 50 KSI).
- STEEL PIPES MUST COMPLY WITH ASTM A53, GRADE B, WITH A YIELD STRENGTH OF 35 KSI.
- ROUND HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B (FY = 42 KSI).
- RECTANGULAR AND SQUARE HSS TUBING MUST COMPLY WITH ASTM A500, GRADE B (FY = 46 KSI).
- HP SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM A572, GRADE 50 (FY = 50 KSI).
- ALL WELDING PROCEDURES AND MATERIALS FOR STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF SECTION 2204.1 OF THE BUILDING CODE. UNLESS SPECIFIED OTHERWISE, WELDING SHALL BE PERFORMED USING SHIELDED METAL ARC WELDING (SMAW) OR SUBMERGED ARC WELDING (SAW) PROCESSES WITH E70XX LOW-HYDROGEN ELECTRODES.
- BOLTED CONNECTIONS FOR STEEL MEMBERS MUST COMPLY WITH ASTM A325N AND SECTION 2204.2 OF THE BUILDING CODE UNLESS OTHERWISE NOTED. BOLT HOLES SHALL BE DRILLED OR PUNCHED AND SHOULD BE 1/16" LARGER THAN THE BOLT DIAMETER.
- ALL PREFABRICATED STEEL MOMENT FRAMES MUST BE SUPPLIED PER THE MANUFACTURER'S SPECIFICATIONS. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS, DESIGN CALCULATIONS, AND APPROVED MOMENT FRAME TEST REPORTS (ICC, IAMP, OR APPENDIX 5 TESTING FROM AISC SEISMIC PROVISIONS) TO THE ENGINEER OF RECORD FOR REVIEW.
- STRUCTURAL WELDING AND STEEL FABRICATION MUST BE COMPLETED IN A SHOP APPROVED BY A SPECIAL INSPECTION AGENCY RECOGNIZED BY THE BUILDING OFFICIAL. ALL FIELD WELDING MUST BE PERFORMED BY A CERTIFIED WELDER, WITH CONTINUOUS INSPECTION BY A SPECIAL INSPECTOR. BOTH THE WELDER AND INSPECTOR MUST BE APPROVED BY THE BUILDING OFFICIAL.
- NON-SHRINK GROUT MUST BE USED BENEATH BASE PLATES, WITH A COMPRESSIVE STRENGTH THAT MATCHES OR EXCEEDS THAT OF THE SUPPORTING CONCRETE OR MASONRY.

WOOD SPECIFICATIONS & NOTES

- SAWN FRAMING LUMBER - DOUGLAS FIR-LARCH U.N.O:
 - BEAMS/ POST/ RAFTERS & ALL OTHER STRUCTURAL FRAMING:
 - 2x, 4x MEMBERS: NO. 2
 - 6x, 8x MEMBERS: NO. 1
 - STUDS: USE STUD GRADE IF HEIGHT UP TO 9'-0" AND NO. 2 IF TALLER THAN 9'-0".
 - PLATES AND BLOCKING: NO. 2
 - ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE PRESERVATIVE TREATED.
 - ALL FRAMING LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AT TIME OF INSTALLATION AND FABRICATION.
- ENGINEERED LUMBER:

ALL VERSA-LAM LAMINATED VENEER LUMBER MEMBERS (LVL) SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ICC ES ESR-1040:

 - BEAM/HEADERS WITH 1 3/4" WIDE: Fb = 2800 psi, Fv = 285 psi, E = 2,066 psi
 - BEAM/HEADERS WITH 3 1/2" AND WIDER: Fb = 3100 psi, Fv = 285 psi, E = 2,066 psi
 - RIMBOARD: Fb = 1750 psi, Fv = 225 psi, E = 1,366 psi
- DIAPHRAGM (U.N.O. ON PLAN):
 - ROOF SHEATHING: INSTALL 15/32" THICK APA-RATED EXP 1 PANELS WITH A MINIMUM SPAN RATING OF 32/16. FASTEN USING 8D COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND BEARING SUPPORTS, AND 12" O.C. AT INTERMEDIATE FRAMING.
 - FLOOR SHEATHING: INSTALL 23/32" APA-RATED STURD-I-FLOOR TONGUE-AND-GROOVE EXP 1 PANELS WITH A MINIMUM SPAN RATING OF 24" O.C. SECURE WITH 10D COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND BEARING SUPPORTS, AND 12" O.C. AT INTERMEDIATE FRAMING.
 - INSTALLATION AND USAGE REQUIREMENTS SHALL COMPLY WITH NER-108.
 - ALL STRUCTURAL GRADE PANELS SHALL BE IDENTIFIED WITH A CERTIFICATION MARK FROM AN APPROVED AGENCY: APA, PES/TECO, OR PITTSBURG.
 - ADHESIVES USED FOR SECURING FLOOR SHEATHING TO FRAMING MEMBERS SHALL MEET APA SPECIFICATION AF-01.
 - ROOF DIAPHRAGM NAILING MUST BE VERIFIED PRIOR TO CONCEALMENT. PLYWOOD FACE GRAIN SHALL BE INSTALLED PERPENDICULAR TO SUPPORTS. FLOORS SHALL UTILIZE TONGUE-AND-GROOVE PANELS OR BLOCKED EDGES. PANEL SPANS SHALL BE IN ACCORDANCE WITH TABLE 2304.8(1).
- STRUCTURAL GLUED LAMINATED MEMBERS:
 - ALL STRUCTURAL GLUED LAMINATED MEMBERS SHALL BE COMBINATION 24F-V4 DF/DF (24F-V8 DF/DF AT ALL CONTINUOUS OR CANTILEVER APPLICATIONS) FABRICATED AND ERECTED IN ACCORDANCE WITH ANSI/ASTM STANDARD A190.1 AND ASTM D3737.
 - ADHESIVE SHALL BE EXTERIOR TYPE ADHESIVE MEETING REQUIREMENTS OF US COMMERCIAL STANDARD PS-56 AND ASTM D3737.
 - THE FABRICATOR SHALL FURNISH AITC CERTIFICATES TO THE STRUCTURAL ENGINEER AND THE BUILDING INSPECTION DEPARTMENT PRIOR TO FRAMING INSPECTION.
- ALL LEDGERS SHOULD BE SPLICED WITH ST22 STRAP, U.N.O.
- THE FRAMING CONTRACTOR SHALL NOTIFY THE E.O.R. IN WRITING PRIOR TO CONSTRUCTION IF THE ROOFING DEAD LOAD EXCEEDS 10 PSF.
- STUD WALLS PERPENDICULAR TO CONCRETE OR MASONRY WALLS SHALL BE SECURED USING 5/8" DIAMETER x 8" LONG A307 ANCHOR BOLTS AT THE TOP, MID-HEIGHT, AND BOTTOM.
- INSTALL WINDOWS AND DOORS IN STUD WALLS ONLY AFTER DEAD LOADS HAVE BEEN APPLIED. PROVIDE A 1/2" SHIM GAP AT THE HEAD FOR SETTLEMENT TOLERANCE.
- ALL POSTS SHALL BE CONTINUOUS FROM FOUNDATION TO ROOF. WHERE DISCONTINUITY OCCURS AT JOIST SPACES OR ABOVE BEAMS/HEADERS TO LOWER TOP PLATES, PROVIDE SOLID BLOCKING WITH STUD POSTS.
- ALL VERTICAL PIPES PASSING THROUGH PLATES AND/OR SOLID RIM BEAMS SHALL BE DRILLED WITH CLEAN-CUT HOLES MAINTAINING A 1/16" TOLERANCE. NOTCHING OR CUTTING OF PLATES IS STRICTLY PROHIBITED.
- BLOCKING AND BRIDGING -- PROVIDE AS FOLLOWS:
 - INSTALL 2X SOLID BLOCKING BETWEEN JOISTS AND RAFTERS AT ALL BEARING LOCATIONS.
 - INSTALL 2X SOLID BLOCKING BETWEEN JOISTS AND RAFTERS AT SPACING NOT TO EXCEED 8'-0" ON CENTER, AND NOT MORE THAN 8'-0" FROM ANY SUPPORT.
 - BLOCKING MAY BE OMITTED BETWEEN CEILING JOISTS AND RAFTERS THAT ARE 2X8 OR SMALLER.
- FIELD-CUT ENDS, NOTCHES AND DRILLED HOLES OF PERSERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD.
- BLOCKING FOR FASTENENING PANEL EDGES SHALL BE NOT LESS THAN UTILITY GRADE LUMBER. FIREBLOCKING SHALL BE OF ANY GRADE LUMBER. BLOCKING AND FIRE BLOCKING SHALL BE NO LESS THAN 2X NORNINAL SIZE.
- EXTERIOR CRIPPLE WALLS WITH A STUD HEIGHT LESS THAN 14" SHALL BE CONTINUOUSLY SHEATHED ON ONE SIDE AND FASTENED TO BOTH THE TOP AND BOTTOM PLATES.

SHOP DRAWINGS NOTES

- SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS. THESE DRAWINGS WILL BE REVIEWED ONLY FOR GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS. SUCH REVIEW DOES NOT INDICATE THAT THE SHOP DRAWINGS ARE COMPLETE OR FREE OF ERRORS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF THE SHOP DRAWINGS. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE CONTRACT DRAWINGS SHALL BE CLOUdeD. NONE OF THESE SHALL BE CONSIDERED APPROVED AFTER THE ENGINEER'S REVIEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- SHOP DRAWINGS SHALL NOT SUPERSEDE OR REPLACE THE ORIGINAL CONTRACT DRAWINGS. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A LICENSED ENGINEER REGISTERED IN THE APPLICABLE JURISDICTION. ENGINEERING SYSTEM SOLUTIONS SHALL NOT BE RESPONSIBLE FOR THE ADEQUACY OF DESIGNS PERFORMED BY OTHERS.
- SHOP DRAWINGS SHALL REFERENCE THE DATE AND DELTA (IF APPLICABLE) OF THE CONTRACT DRAWINGS.
- THE ENGINEER OF RECORD'S (E.O.R.) REVIEW OF SHOP DRAWINGS IS LIMITED TO GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS. THE E.O.R. DOES NOT REVIEW OR VERIFY PRODUCT DESIGN, DIMENSIONS, OR QUANTITIES.

NAILING & HARDWARE NOTES

- CONNECTORS FOR WOOD CONSTRUCTION NOTED ON PLANS AND DETAILS SHALL BE SIMPSON COMPANY STRONG-TIE CONNECTORS OR APPROVED EQUAL.
- ALL JOIST HANGERS SHALL BE SIMPSON U HANGER, ALL BEAM HANGERS SHALL BE SIMPSON HU HANGERS U.N.O. ON PLAN OR DETAIL. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
- ALL MACHINE BOLTS SHALL CONFORM TO ASTM A307.
- TYPICALLY SILLS ON CONCRETE FOOTING SHALL BE ANCHORED WITH 5/8" DIAMETER X 12" MIN. LENGTH MACHINE BOLTS WITH 7" EMBEDMENT AT 72" O.C. LOCATE BOLTS 6" MIN. AND 12" MAX. FROM EACH END OF EACH PLATE. THERE SHALL BE AT LEAST 2 BOLTS IN EACH PLATE.
- AT SHEAR WALLS, ANCHOR BOLT SPACING NOT OVER 48" O.C. SEE SHEAR WALL SCHEDULE FOR SPECIFIC SPACING OF ANCHOR BOLTS WHICH MAY BE NOTED AS LESS THAN 48" O.C. EDGE(S) OF PLATE WASHERS SHALL BE 1/2" MAX. FROM INSIDE FACE OF SHEAR PANEL(S).
- ANCHOR BOLTS SHALL BE INSTALLED WITH PLATE WASHERS OF MIN. 3" SQ. x 0.229" THICK BETWEEN SILL PLATE AND NUT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1-3/4". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PATE WASHER AND THE NUT.
- AT INTERIOR NON-SHEAR WALLS, USE SIMPSON PHNW SERIES 0.145 Ø PINS WITH A PENETRATION OF 1 1/4" INTO SLAB AT 16" O.C. TO BE INSTALLED IN ACCORDANCE WITH ICC ESR-2108.
- WHERE NOTCHES FOR PIPES, ETC., EXCEED 1/3 THE WIDTH OF THE SILL, PLACE A BOLT WITHIN 6" OF EACH SIDE OF NOTCH. TIEDOWN BOLTS SHALL NOT BE CONSIDERED AS SILL BOLTS.
- BOLT HOLES IN WOOD AND STEEL SHALL BE THE DIAMETER OF THE BOLT PLUS 1/16"
- FASTENERS, INCLUDING NUTS AND WASHERS, AND CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED AND FIRE-RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. STAPLES SHALL BE OF STAINLESS STEEL. COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURER'S RECOMMENDATIONS. IN THE ABSENCE OF MANUFACTURER'S RECOMMENDATIONS, NOT LESS THAN ASTM A653 TYPE G185 ZINC-COATED GALVANIZED STEEL OR EQUIVALENT, SHALL BE USED. FASTENERS IN CONTACT WITH FIRE-RETARDANT TREATED WOOD OTHER THAN NAILS, STAPLES AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B695, CLASS 55 MIN.
- ALL NAILS SHALL BE SINKER NAILS AND STAGGERED U.N.O., EXCEPT AS SHOWN IN NAILING SCHEDULE.
- ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
- LAG SCREWS PER ANSI/ASME STANDARD B18.2.1 PROVIDE LEAD HOLE SAME DIAMETER AND DEPTH AS SHANK AND THEN DRILL HOLE 60%-70% OF SHANK DIAMETER FOR THREADED PORTIONS.

2022 CBC TABLE 2304.10.2 FASTNING SCHEDULE

CONNECTION	NAILING	LOCATION
1. JOIST TO SILL OR GIRDER	3-8D	TOENAIL
2. BRIDGING TO JOIST	2-8D	TOENAIL EA. END
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2-8D	FACE NAIL
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3-8D	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2-16D	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16D (BOX) AT 16" O.C. (3) 16D (BOX) AT 16"	TYPICAL FACE NAIL BRACED WALL PANELS
7. TOP PLATE TO STUD	2-16D	BLIND AND FACE NAIL
8. STUD TO SOLE PLATE	2x4 STUD 4-8D 2-16D 2x6 STUD 6-8D 4-16D 8-16D 2x8 STUD 6-16D	TOENAIL END NAIL TOENAIL END NAIL TOENAIL END NAIL
9. DOUBLE STUDS	16D (BOX) AT 24" O.C.	FACE NAIL
10. DOUBLED TOP PLATES DOUBLE TOP PLATES	16D (BOX) AT 16" O.C. 8-16D	TYPICAL FACE NAIL LAP SPLICE
11. BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE	3-8D	TOENAIL
12. RIM JOIST TO TOP PLATE	8D AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	2-16D	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16D	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	3-8D	TOENAIL
16. CONTINUOUS HEADER TO STUD	4-8D	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS	3-16D	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS	3-16D	FACE NAIL
19. RAFTER TO PLATE	3-8D	TOENAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2-8D	FACE NAIL
21. 1" x 8" SHEATHING TO EACH BEARING	3-8D	FACE NAIL
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3-8D	FACE NAIL
23. BUILT-UP CORNER STUDS	16D	24" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20D AT 32" O.C. 2-20D	FACE NAIL AT TOP & BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS & AT EACH SPLICE
25. 2" PLANKS	16D	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3-10D	FACE NAIL
27. JACK RAFTER TO HIP	3-10D 2-16D	TOENAIL FACE NAIL
28. ROOF RAFTER TO 2-BY RIDGE BEAM	2-16D 2-16D	TOENAIL FACE NAIL
29. JOIST TO BAND JOIST	3-16D	FACE NAIL
30. LEDGER STRIP	3-16D	FACE NAIL

NOTES: 1. COMMON NAILS SHALL BE USED (U.N.O.)
2. JOIST CAN BE EITHER SAWN LUMBER OR I-JOIST PER PLAN

SPECIAL INSPECTION:

- SPECIAL INSPECTIONS SHALL BE CONDUCTED IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE. REFER TO THE INSPECTION SCHEDULE BELOW - ONLY THE MARKED ITEMS ARE REQUIRED.
- THE OWNER MUST HIRE ONE OR MORE QUALIFIED SPECIAL INSPECTORS TO OVERSEE CONSTRUCTION INSPECTIONS. THESE INSPECTORS MUST DEMONSTRATE COMPETENCY IN THEIR SPECIFIC FIELD OF INSPECTION TO THE SATISFACTION OF THE BUILDING OFFICIAL.
- WHEN WORK IS PERFORMED AT AN APPROVED AND REGISTERED FABRICATION FACILITY, SPECIAL INSPECTIONS MAY NOT BE NECESSARY. APPROVED FABRICATORS MUST PROVIDE A COMPLIANCE CERTIFICATE FOR OFFSITE FABRICATION OF STRUCTURAL COMPONENTS SUCH AS PRECAST CONCRETE, GLUED LAMINATED TIMBER, AND STRUCTURAL STEEL.
- INDEPENDENT SPECIAL INSPECTORS MUST CONDUCT ALL REQUIRED INSPECTIONS. SITE VISITS BY THE STRUCTURAL ENGINEER OR BUILDING OFFICIAL DO NOT REPLACE OR FULFILL THE SPECIAL INSPECTION REQUIREMENTS.
- INSPECTION REPORTS SHALL BE SUBMITTED TO BOTH THE BUILDING OFFICIAL AND THE ENGINEER OF RECORD (E.O.R.). FINAL REPORTS FROM SPECIAL INSPECTORS MUST VERIFY THAT THE STRUCTURAL SYSTEM CONFORMS TO THE APPROVED DESIGN DOCUMENTS.
- ENSURING THAT ALL REQUIRED INSPECTIONS ARE COMPLETED IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- WORK REQUIRING SPECIAL INSPECTION MUST BE REVIEWED BY THE DESIGNATED SPECIAL INSPECTOR BOTH DURING CONSTRUCTION AND UPON COMPLETION. CONTINUOUS INSPECTION REQUIRES FULL-TIME SUPERVISION, WHEREAS PERIODIC INSPECTION IS CONDUCTED INTERMITTENTLY.
- FOR STRUCTURAL WOOD COMPONENTS, PERIODIC INSPECTIONS ARE REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, DIAPHRAGMS, AND THEIR FASTENING SYSTEMS, INCLUDING NAILING, BOLTING, ANCHORING, AND CONNECTIONS OF SEISMIC FORCE-RESISTING ELEMENTS SUCH AS DRAG STRUTS, BRACES, AND HOLDOWNS. EXCEPTION: SPECIAL INSPECTION IS NOT NEEDED WHEN THE SHEATHING FASTENER SPACING EXCEEDS 4 INCHES ON CENTER. INSPECTIONS MUST TAKE PLACE BEFORE THE WORK IS COVERED.
- THE SPECIAL INSPECTIONS LISTED ARE IN ADDITION TO THOSE PERFORMED BY THE BUILDING OFFICIAL. THIS LIST IS NOT EXHAUSTIVE.

INSPECTION SCHEDULE	
INSPECTION ITEMS REQ'D	CODE REFERENCE
☒ STRUCTURAL WOOD (NOTE #8)	CBC 1705.12.1, 1705.13.2
☒ POST INSTALLED ANCHORS	CBC Table 1705.3.8, ICC APPROVAL
☒ EPOXY DOWELS	ESR 4057
☐ SOIL CONDITION (SOIL REPORT)	CBC Table 1705.6
☐ CONCRETE/SHOTCRETE WORK	CBC Table 1705.3
☐ REINFORCING STEEL	CBC Table 1705.2.2, 1705.3
☐ MASONRY WORK	CBC 1705.4
☐ COLD FORMED STEEL	CBC 1705.12.2, 1705.13.3
☐ STRUCTURAL STEEL	CBC 1705.2
☐ STRUCTURAL STEEL WELDING	CBC 1705.2
☐ HIGH STRENGTH BOLTING	CBC 1705.2
☐ CAST IN PLACE DEEP FOUNDATION	CBC Table 1705.8
☐ HIGH-STRENGTH NON-SHRINK GROUT	CBC 1705.2, 1705.3

REV.	DESCRIPTION	DATE
	FIRST ISSUE	11-25-2025
⚠	PLAN CHECK	04-17-2026

PROJECT:

216-218 ALVARADO ST,
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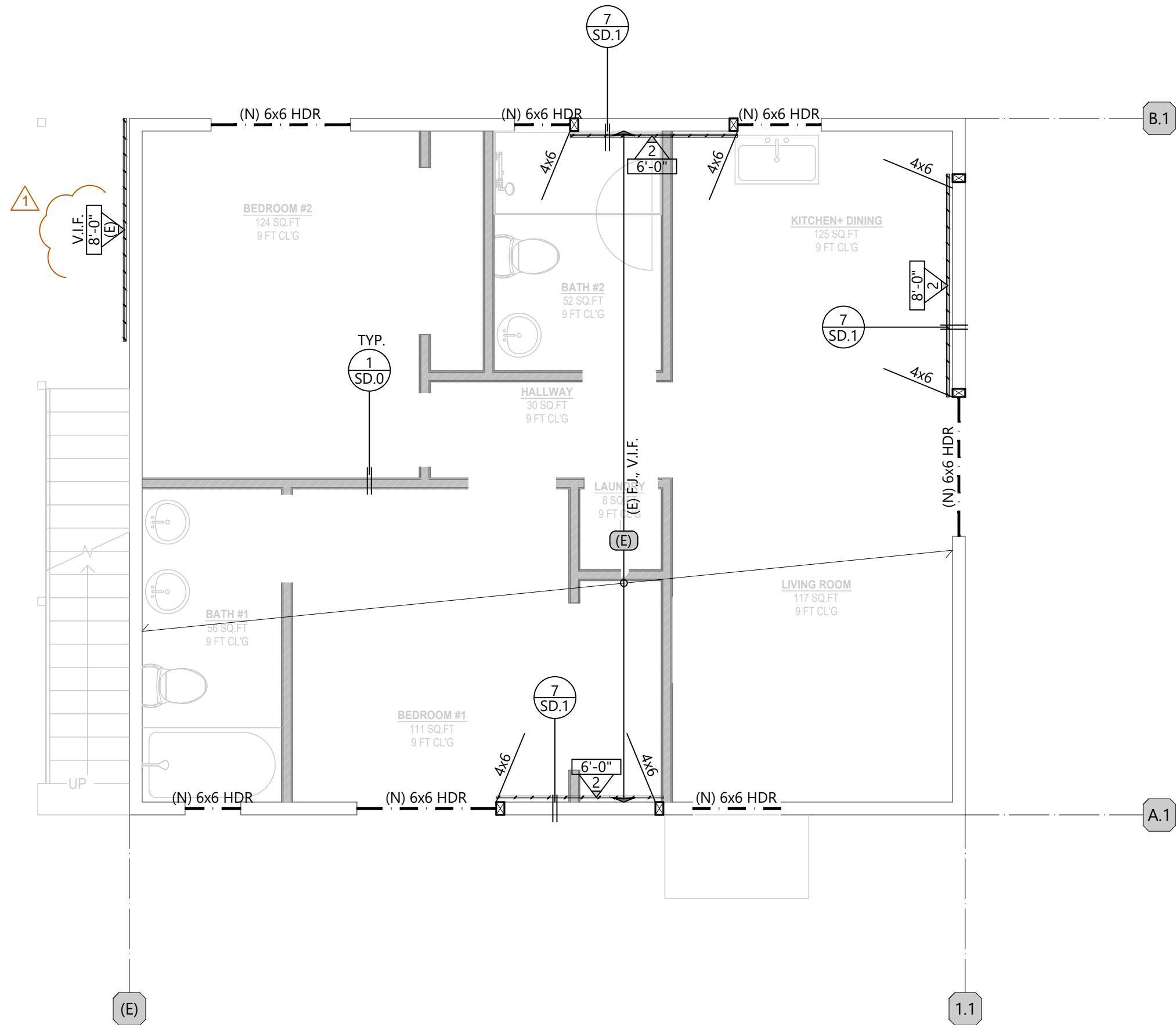
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SHEET NUMBER:

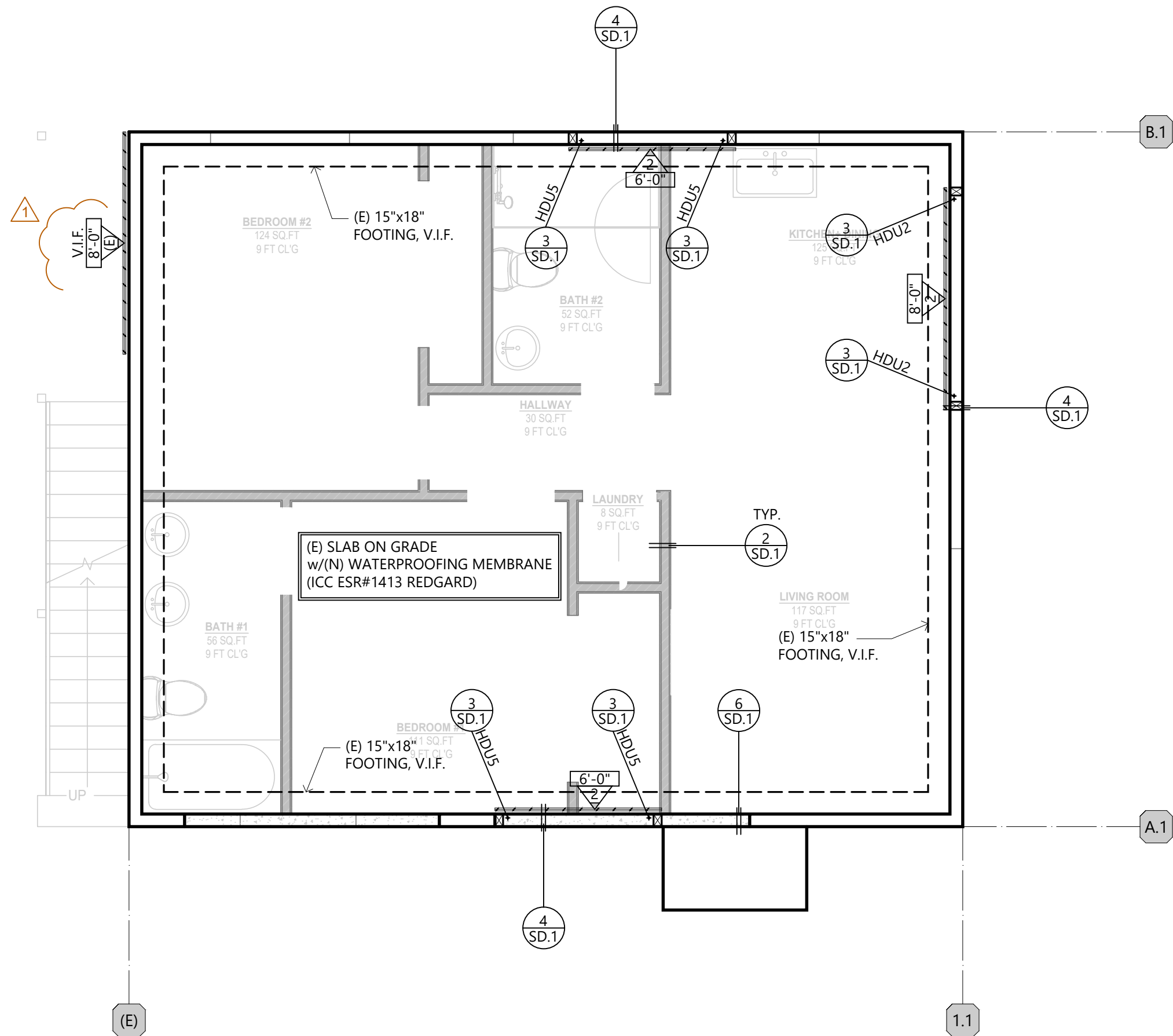
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SHEET INDEX	
S-0	GENERAL NOTES.
S-1	FRAMING PLAN.
SD.0	TYPICAL DETAILS.
SD.1	STRUCTURAL DETAILS.



FLOOR FRAMING PLAN

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



FOUNDATION PLAN

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

SHEAR WALL SCHEDULE

2022 CALIFORNIA BUILDING CODE								
WALL TYPE	SHEATHING APA-RATED	BLK'G & STUD SIZE AT ADJ. PANEL EDGES	NAILING		SHEAR CLIPS (A35 OR LTP4)	SILL PLATE ATTACHMENT		ALLOWABLE SHEAR (PLF)
			EDGE (E.N.)	FIELD (F.N.)		FRAMED FLOOR	CONCRETE	
1	3/8" sheathing	2x	8d @ 6" O.C.	8d @ 12" O.C.	@ 24" O.C.	1/4"x6" SDS @ 16" O.C.	5/8" ϕ A.B. @ 48" O.C.	260
2	3/8" sheathing	3x	8d @ 4" O.C.	8d @ 12" O.C.	@ 16" O.C.	1/4"x6" SDS @ 12" O.C.	5/8" ϕ A.B. @ 42" O.C.	380
3	3/8" sheathing	3x	8d @ 4" O.C.	8d @ 12" O.C.	@ 8" O.C.	1/4"x6" SDS @ 8" O.C.	5/8" ϕ A.B. @ 36" O.C.	490
4	3/8" sheathing	3x	8d @ 2" O.C.	8d @ 12" O.C.	@ 8" O.C.	1/4"x6" SDS @ 6" O.C.	5/8" ϕ A.B. @ 24" O.C.	640
5	15/32" Struc. I	3x	10d @ 2" O.C.	10d @ 12" O.C.	@ 6" O.C.	1/4"x6" SDS @ 5" O.C.	5/8" ϕ A.B. @ 18" O.C.	870
3D	3/8" sheathing BOTH SIDES	3x	8d @ 3" O.C.	8d @ 12" O.C.	@ 4" O.C.	1/4"x6" SDS @ 4" O.C.	5/8" ϕ A.B. @ 18" O.C.	980
4D	3/8" sheathing BOTH SIDES	3x	8d @ 2" O.C.	8d @ 12" O.C.	@ 4" O.C.	1/4"x6" SDS @ 3" O.C.	5/8" ϕ A.B. @ 12" O.C.	1280
5D	15/32" Struc. I BOTH SIDES	3x	10d @ 2" O.C.	10d @ 12" O.C.	@ 3" O.C.	1/4"x6" SDS @ 2.5" O.C.	5/8" ϕ A.B. @ 9" O.C.	1740

NOTES:

(1) PROVIDE STAGGERED NAILING AT ALL PANEL EDGES. NAILS ARE MINIMUM 1/2" AT PANEL EDGES & MINIMUM 3/8" FROM STUD EDGES.

(2) STUDS ARE SPACED @ 16" O.C. MAX. UNO.

(3) COMMON NAILS MUST BE USED WITH NO SUBSTITUTION.

(4) FOR SHEARWALL TYPE 3D, 4D, 5D, SILL PLATE SHALL BE 3x MIN.

NOTES:

- (1) PROVIDE STAGGERED NAILING AT ALL PANEL EDGES. NAILS ARE MINIMUM 1/2" FROM PANEL EDGES & MINIMUM 3/8" FROM STUD EDGES.
- (2) STUDS ARE SPACED @ 16" O.C. MAX., UNO.
- (3) COMMON NAILS MUST BE USED WITH NO SUBSTITUTION.
- (4) FOR SHEARWALL TYPE 3D, 4D, 5D, SILL PLATE SHALL BE 3x MIN.

SHEARWALL NOTES

1. SEE SHEET S-0 FOR RELATED NOTES AND REFERENCES.
2. SHEAR WALLS CANNOT BE USED AS PLUMBING WALLS, UNLESS APPROVED BY E.O.R. IN WRITING.
3. AT DOUBLE SIDED SHEAR WALLS, POST W/E.N. PER PLAN TO RECEIVE E.N. FROM BOTH SIDES.
4. WHEN MULTIPLE STUDS ARE USED INSTEAD OF A SINGLE POST, PLYWOOD SHEAR WALL TO BE NAILED TO ALL STUDS RECEIVING HOLDOWNS.
5. DO NOT BREAK SHEAR WALL AT PERPENDICULAR WALL LOCATIONS UNLESS SPECIFICALLY DETAILED ON PLANS. INSTALL SHEAR WALL PRIOR TO FRAMING OF PERPENDICULAR WALLS.
6. THE CONTRACTOR SHALL VERIFY THAT THE TOP OF HARDY FRAMES/STRONG WALLS ALIGNS WITH THE TOP PLATE HEIGHT SHOWN ON THE PLANS. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER OF RECORD.
7. ALL SHEAR PANELS SHALL HAVE CONTINUOUS SHEATHING MATERIAL FROM ONE END TO THE OTHER AND FROM PLATE TO PLATE AS SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE FRAMING SUCH THAT CONTINUITY OF SHEAR PANELS IS ASSURED.

FRAMING NOTES

1. SEE SHEET S-0 FOR RELATED NOTES AND REFERENCES.
2. SEE DETAIL 3/SD.0 FOR TYPICAL HEADER W/TRIMMER, U.N.O. ON PLAN.
3. ROOF WALL TOP PLATE SHOULD BE SPICED PER DETAIL 2A/SD.0 U.N.O. ON PLANS.
4. TYPICAL STUD BEARING WALLS, 10 FT MAX HEIGHT, SHALL BE AS SCHEDULED BELOW. TYPICAL NON-BEARING WALLS, USE 2x4 UP TO 14 FT HEIGHT OR 2x6 UP TO 20 FT HEIGHT. FOR OTHER CONDITIONS, SEE CASE-BY-CASE DESIGN AND NOTES ON PLAN

STUD WALL SUPPORTING	MAX. STUD SPACING (INCHES)			
	2x4	2-2x4	2x6	2-2x6
ROOF ONLY	24	24	24	24
ONE FLOOR ONLY	24	24	24	24
ONE FLOOR & ROOF	16	24	24	24
TWO FLOOR & ROOF	12	16	16	24

5. TYPICAL CEILING JOISTS WITH DEAD LOAD DL = 8.0 psf, LIVE LOAD LL = 10.0 psf. FOR OTHER CONDITIONS, SEE CASE-BY-CASE DESIGN AND FRAMING SCHEDULE

C.J.	MAX CEILING JOIST SPACING (INCHES)						
	20'-0"	18'-0"	15'-3"	14'-0"	12'-0"	9'-9"	8'-6"
2x4	N/A	N/A	N/A	N/A	N/A	12	16
2x6	N/A	N/A	12	16	24	24	24
2x8	12	16	24	24	24	24	24

FOUNDATION NOTES

1. SEE SHEET S-0 FOR RELATED NOTES AND REFERENCES.
2. APPROVED PROPRIETARY ANCHORS SUCH AS MASA OR MASAP MAY BE USED WHERE PERMITTED, IN ACCORDANCE WITH ICC-ESR #2555. MAINTAIN MINIMUM 4" END DISTANCE
3. HOLD DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION
4. ALL HOLDOWNS AND POST ANCHORS TO BE INSTALLED ACCORDING TO MOST CURRENT SIMPSON STRONG TIE SPECIFICATIONS AND REQUIREMENTS OF ICC-ER REPORTS & SHALL BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION. DIMENSIONS ARE NOT FURNISHED TO SIMPSON HOLDOWNS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SUPERINTENDENT, THE FRAMING CONTRACTOR AND THE CONCRETE CONTRACTOR TO LOCATE THESE ANCHORS IN THE EXACT LOCATION. REFER TO DETAILS FOR PROPER INSTALLATION.
5. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE 0.229"x3" PLATE WASHERS ON THE POST OPPOSITE THE HOLDOWN AND HOLDOWN SHALL BE TIGHTENED TO FINGER TIGHT PLUS ONE HALF WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING.

SYMBOLS LEGEND

	DIRECTION OF FRAMING MEMBER PER SCHEDULE
	FRAMING AREA DIVISION
	SHEAR PANEL LENGTH AND NUMBER. REFER TO SHEARWALL SCHEDULE FOR PANEL TYPE
	STRONG WALL OR HARDY FRAME
	LINE OF LATERAL FORCE RESISTANCE, REFER TO E.O.R. CALCULATIONS
	HEADER OR DROP BEAM PER PLAN
	FLUSH BEAM PER PLAN
	BEAM NUMBER, REFER TO E.O.R. CALCULATIONS
	POST OR TRIMMER AS NOTED POST OR TRIMMER FROM FLOOR ABOVE
	KEY NOTE NUMBER
	DETAIL NUMBER DETAIL SHEET NUMBER
	DRAW DIRECTION
	(E) CONTINUOUS FOOTING
	(E) PAD
	PAD ID, REFER TO E.O.R. CALCULATIONS PAD NUMBER PER SCHEDULE
	DROP IN SLAB (VERIFY PRIOR TO CONSTRUCTION)
	HOLDOWN TYPE, SEE 3/SD.1 FOR CONNECTION DETAIL (U.N.O.)

FRAMING SCHEDULE

MARK	MEMBER TYPE
(E)	EXISTING FRAMING

REV.	DESCRIPTION	DATE
	FIRST ISSUE	11-25-2025
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PROJECT:

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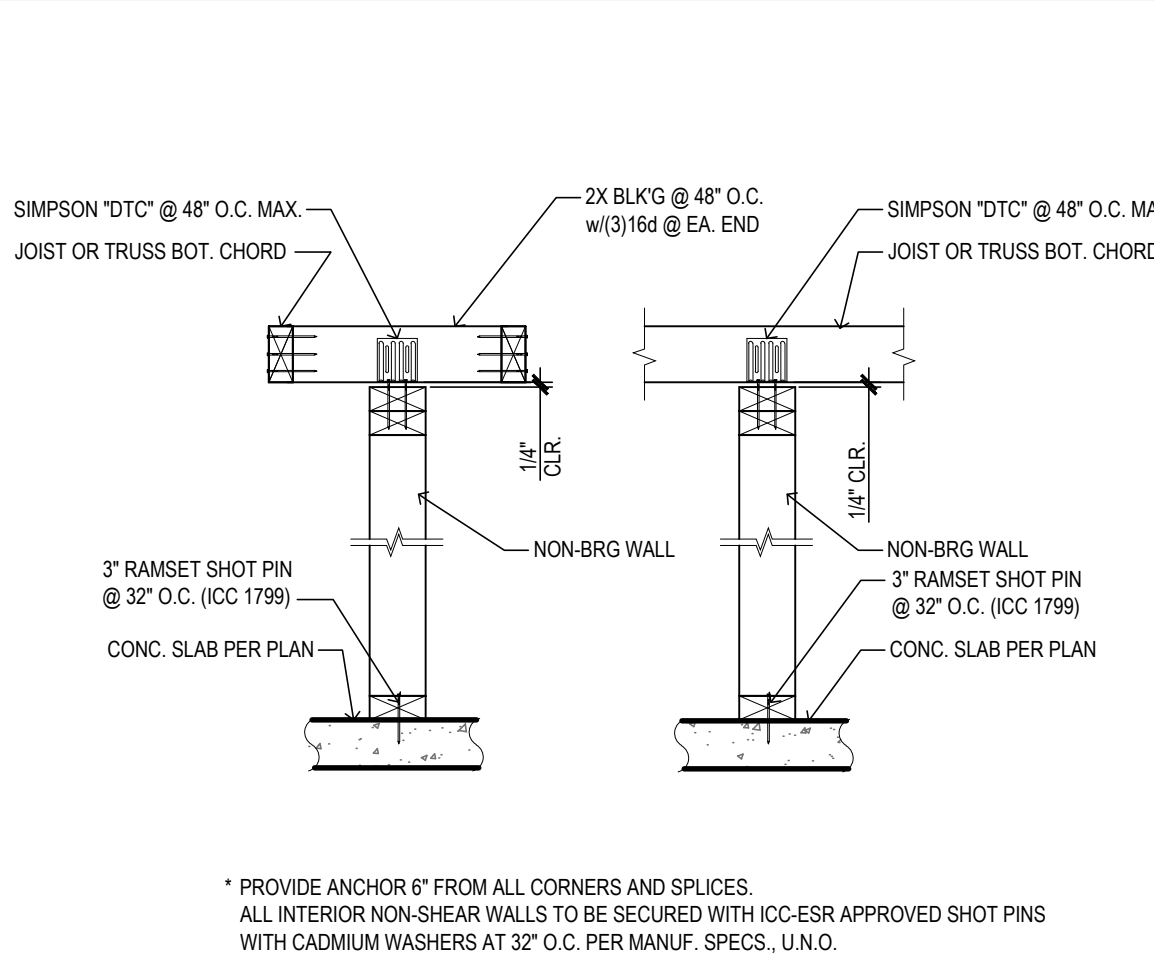
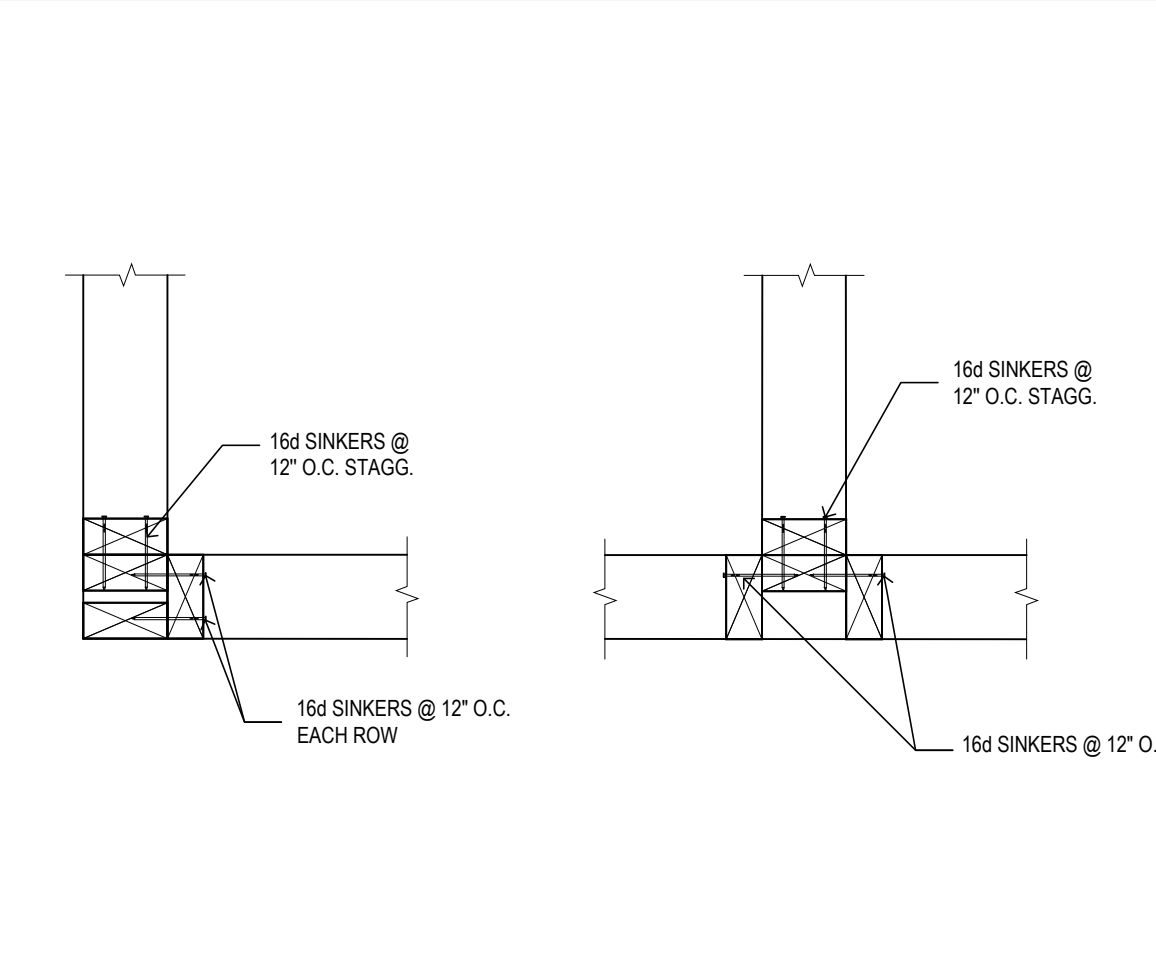


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FRAMING
PLAN

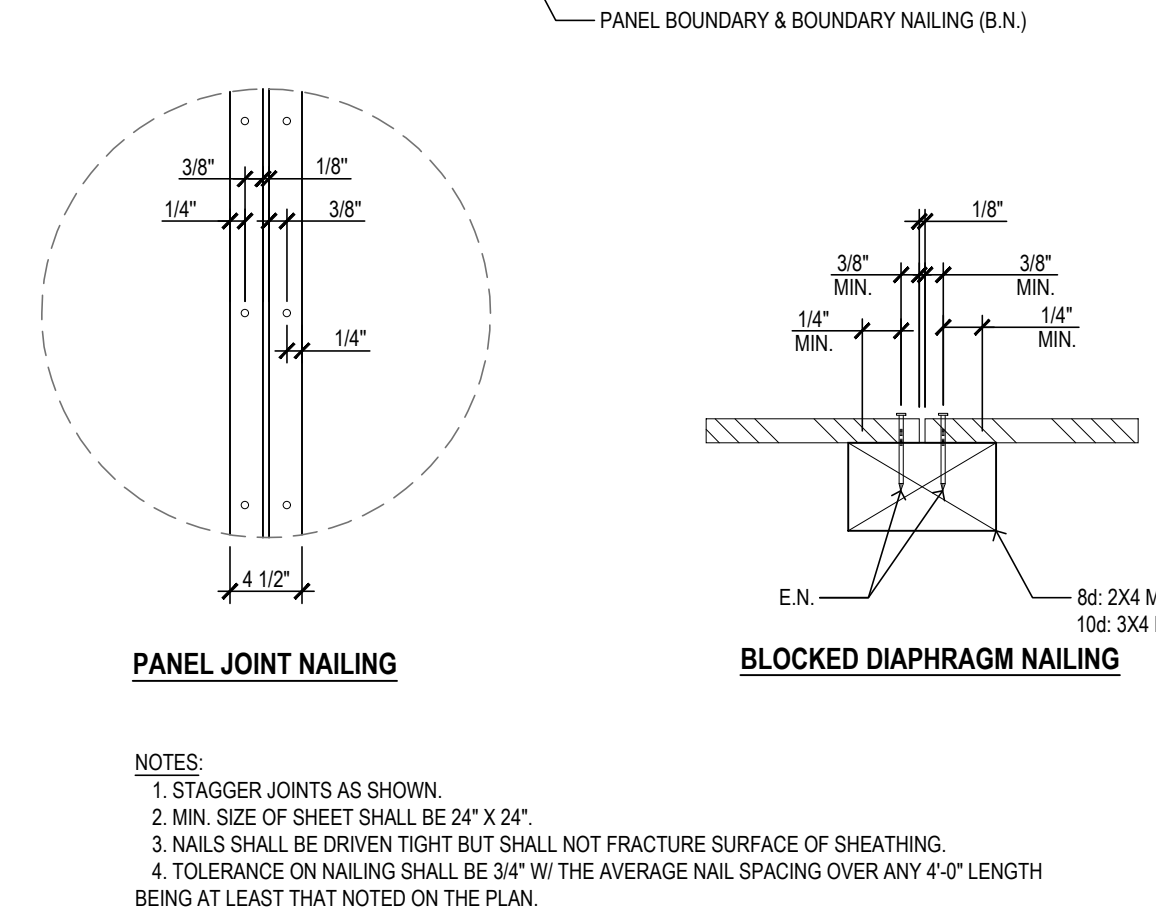
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	PLAN CHECK	04-17-2026
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1 NON-BEARING WALL



2.1.1 NAIL SPLICE

Diagram showing a cross-section of a roof edge with top plates and studs. The splice is made by overlapping the top plates and securing them with nails. Labels include: TOP PLATES, STUDS PER PLAN, NAIL SPLICE, EQ. (Equal), SIMPSON STRAP PER SCHEDULE, and SPLICED OVER STUDS.

2.1.2 ALT. STRAP SPLICE

Diagram showing an alternative splice method using a Simpson strap. Labels include: ALT. STRAP SPLICE, EQ., SIMPSON STRAP PER SCHEDULE, and SPLICED OVER STUDS.

2.1.3 TYPICAL AT RIDGE

Diagram showing a cross-section of a roof ridge. Labels include: (2) 2x TOP PLATE, STRAP PER SCHEDULE, and TYPICAL AT RIDGE.

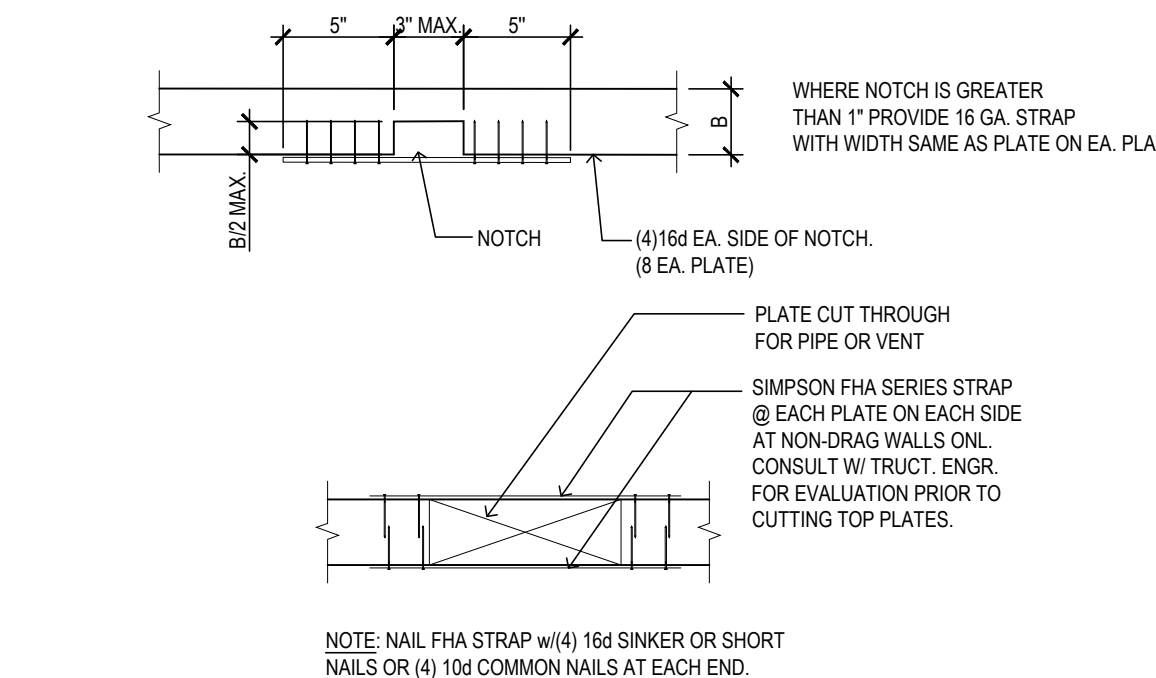
2.1.4 TYPICAL CORNER SPLICE

Diagram showing a corner splice detail. Label: TYP. CORNER SPLICE.

MARK	NAIL SPLICE		ALT. STRAP SPLICE
	NO. OF NAILS	MIN. LAP (FT)	
A	10	4	ST722
B	16	4	ST6224
C	22	6	ST6236
D	24	6	MST37
E	32	8	MST48
F	36	8	MST60
G	42	8	CMST12-72"

ALL NAILS ARE 16d SINKER OR 10d COMMON

2 TYPICAL SPLICE TOP PLATE



Technical drawing of a window header assembly. The drawing shows a cross-section of a window opening with a header above it. Key components and dimensions are labeled:

- Top Header:** SIMPSON A34 AT OPENING WIDER THAN 8'-0"
- Header Depth:** (2)16d MIN. (ADD (2)16d FOR EA. 2" OF ADDITIONAL HEADER DEPTH)
- Header Material:** DOUBLE STUDS OR POST PER PLAN
- Header Spacing:** 2x STUDS PER SCHEDULE ON PLAN
- Header Location:** 2x WINDOW SILL WHERE OCCURS (2)2x SILL AT OPENING WIDER THAN 4'-0"
- Sill Plate:** SILL PL.
- Trim:** TRIMMER PER SCHEDULE, U.N.O. ON PLANS
- Stagger:** 16d @ 12" o.c. STAGGER
- Nails:** (2)16d TOE NAILS
- Top Edge:** (2)2x TOP PL.
- Header Per Schedule:** HEADER PER SCHEDULE, U.N.O. ON PLAN

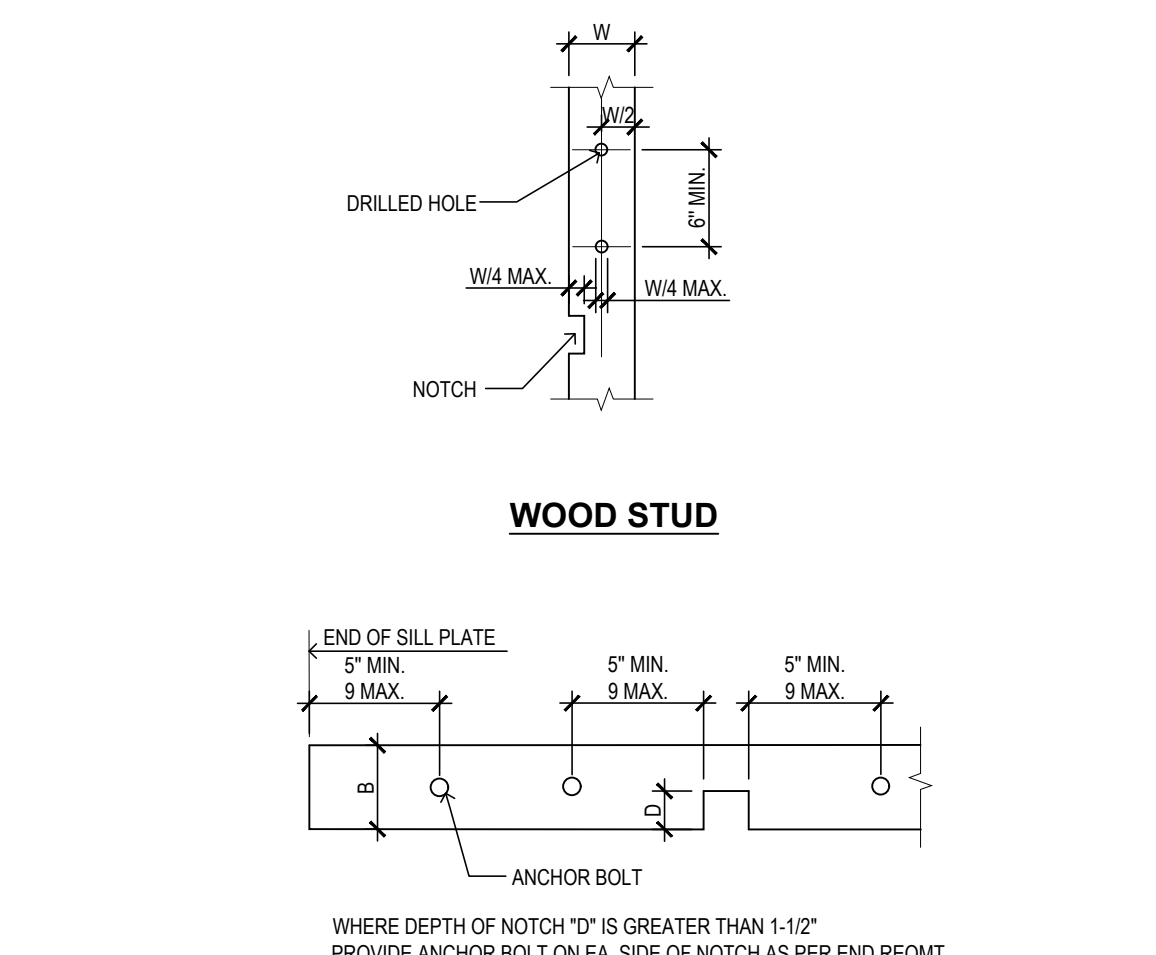
Below the main drawing is a table for header dimensions and a detail view of the header assembly.

OPENING WIDTH MAX.	MIN. NOMINAL HEADER 'D'	TRIMMERS	
		4" WALL	6" WALL
4'-0"	4"	2x4	2x6
6'-0"	6"	2x4	2x6
8'-0"	8"	2,2x4	2x6
10'-0"	10"	2,2x4	2,2x6
12'-0"	12"	2,2x4	2,2x6

Below the table is a detail view of the header assembly showing the header per schedule, trimmer, and window sill. The detail view includes the following labels:

- Header Per Schedule:** HEADER PER SCHEDULE, U.N.O. ON PLANS
- Trimmer:** TRIMMER PER SCHEDULE, U.N.O. ON PLANS
- Window Sill:** WINDOW SILL WHERE OCCURS (2)2x SILL AT OPENING WIDER THAN 4'-0"
- Header Depth:** 16" MIN. DEPTH
- Header Material:** 2x EA. SIDE AND CONT. PL.W.D. 3" w/ 16d @ 12" o.c. SIDE STAGGER
- Header Width:** WIDTH SAME AS STUD WIDTH
- Header Type:** **SOLID**
- Header Label:** **BUILT-UP** (AT OPENINGS UP TO 6'-0")

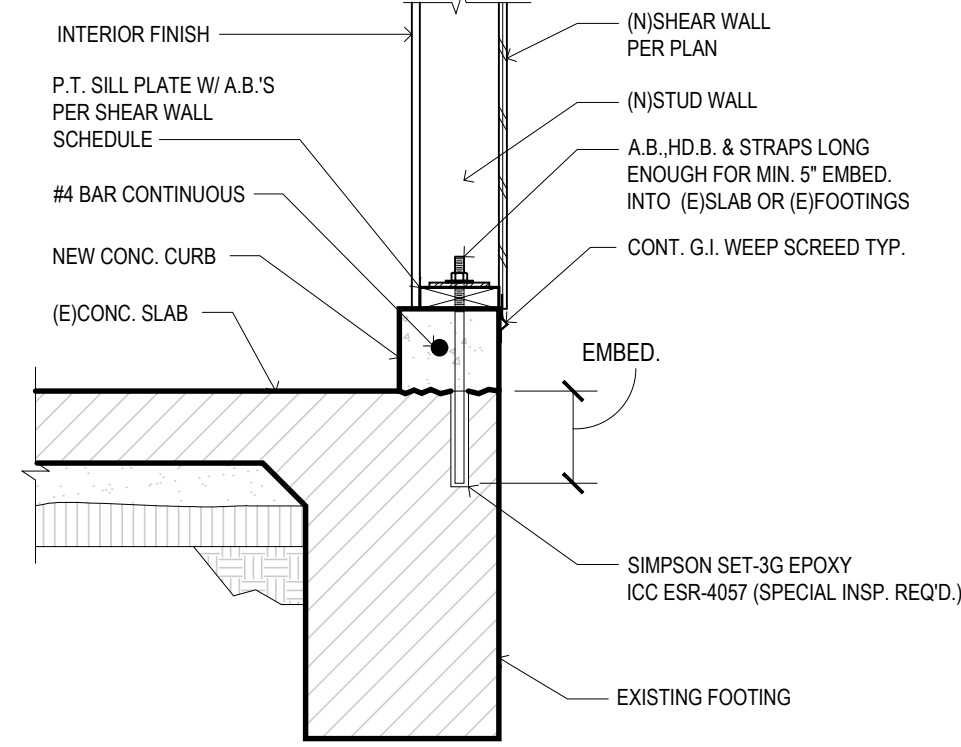
3 | TYPICAL STUD WALL FRAMING AT OPENING DETAIL



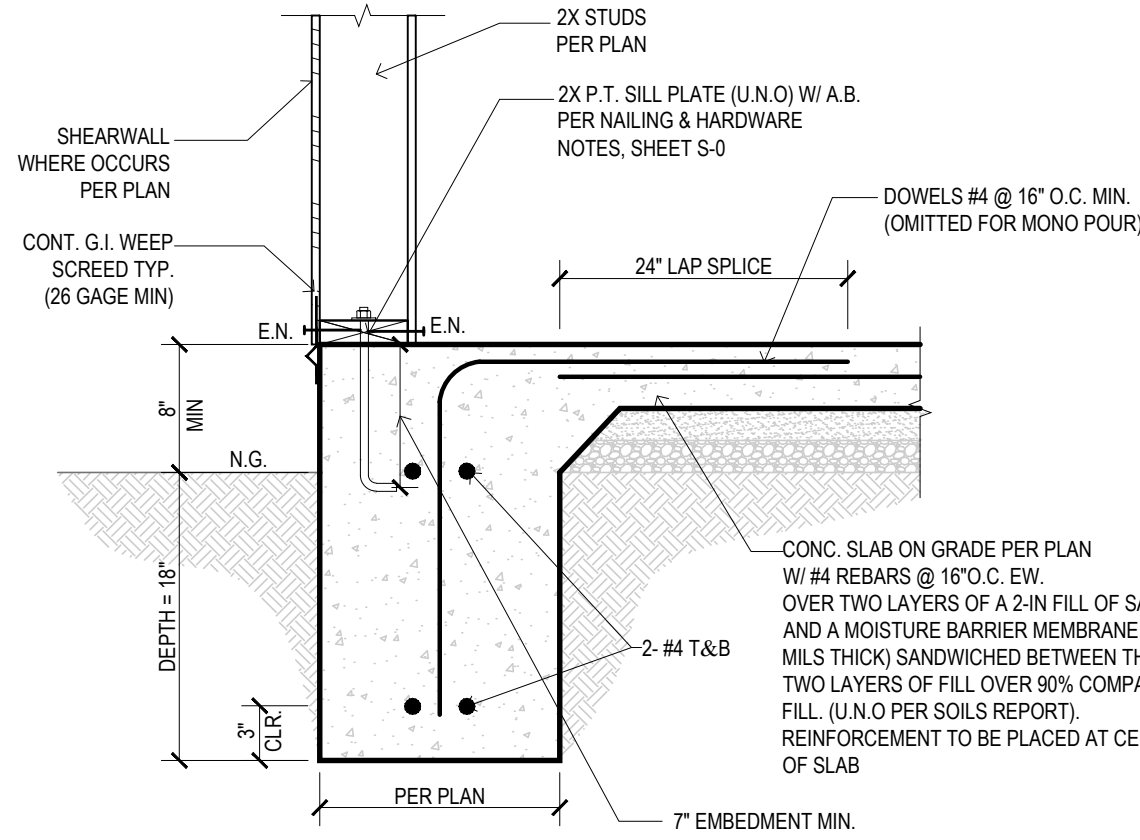
4 | SAWN LUMBER CUTTING, NOTCHING & DRILLING

SD.0

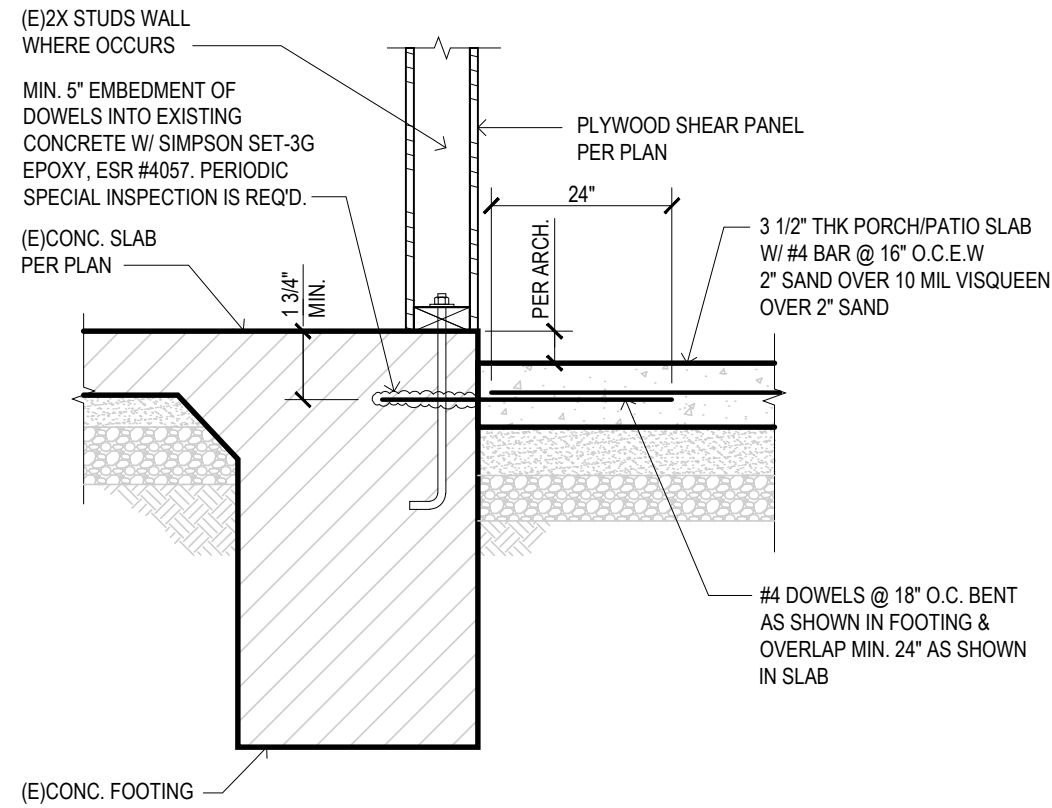
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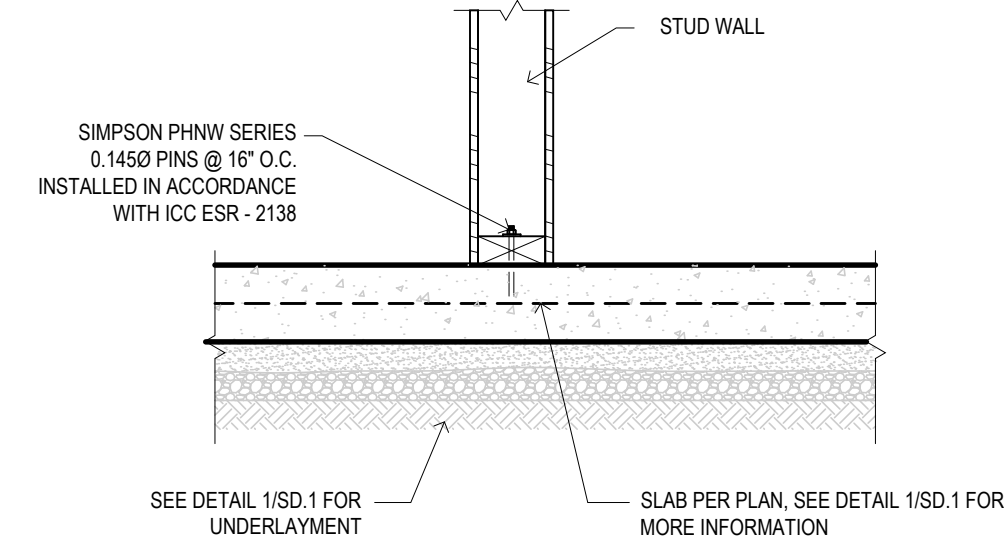
5 NEW CURB TO EXISTING FOOTING



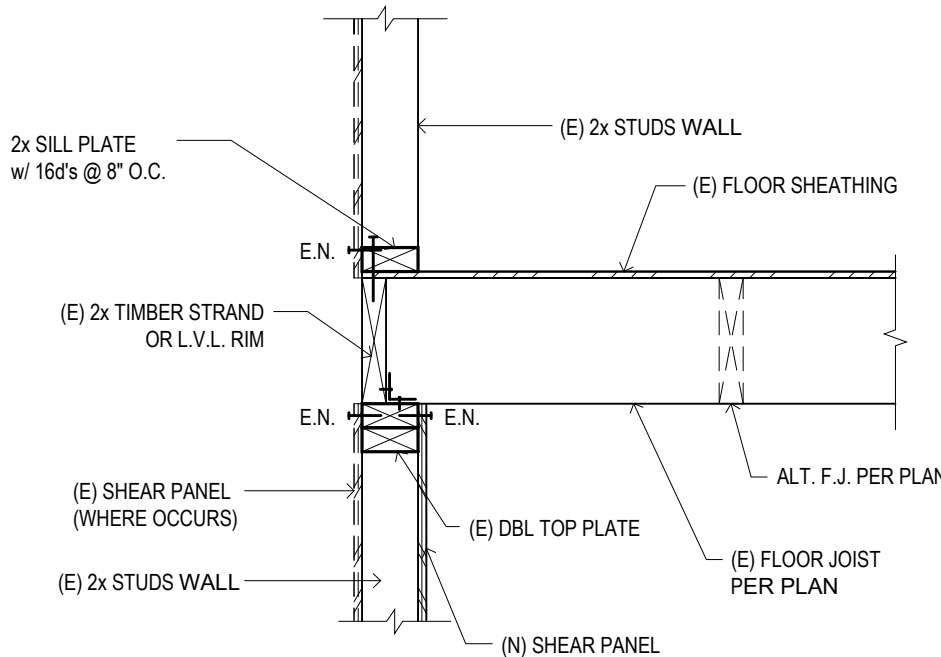
1 TYPICAL EXTERIOR FOOTING



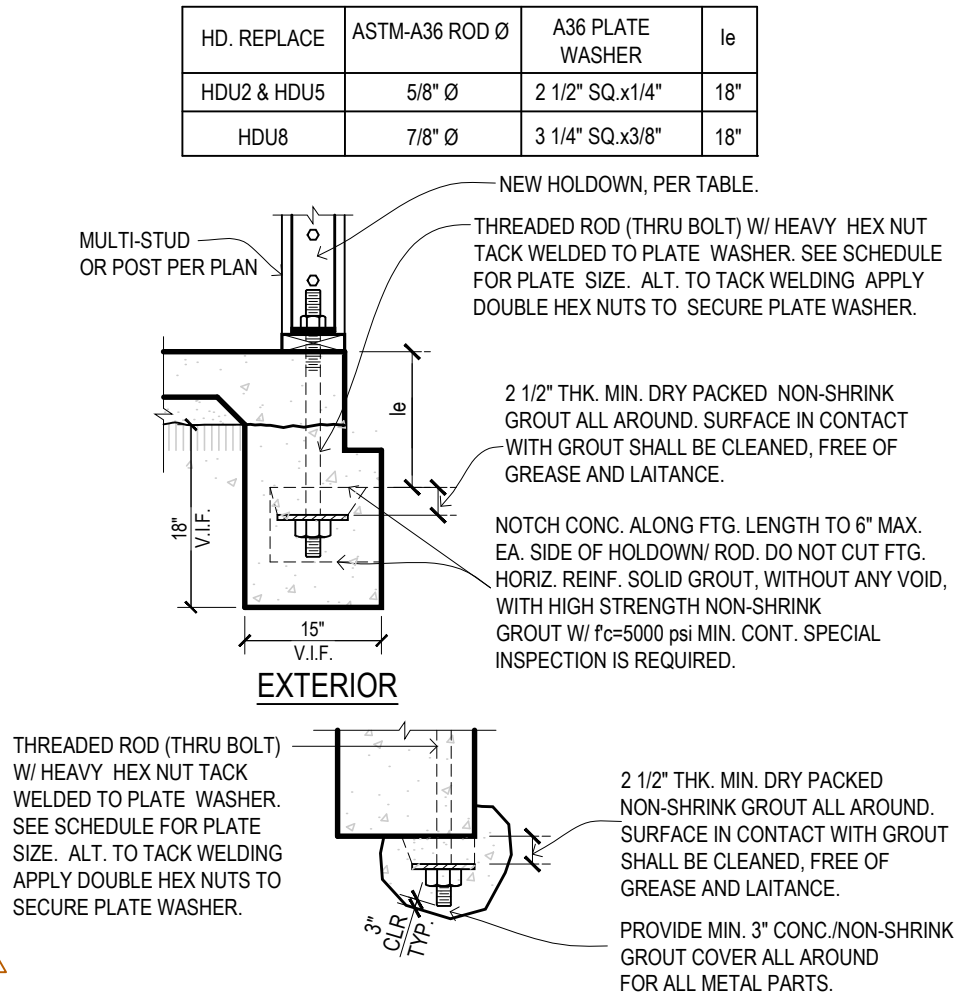
6 CONNECTION DETAIL



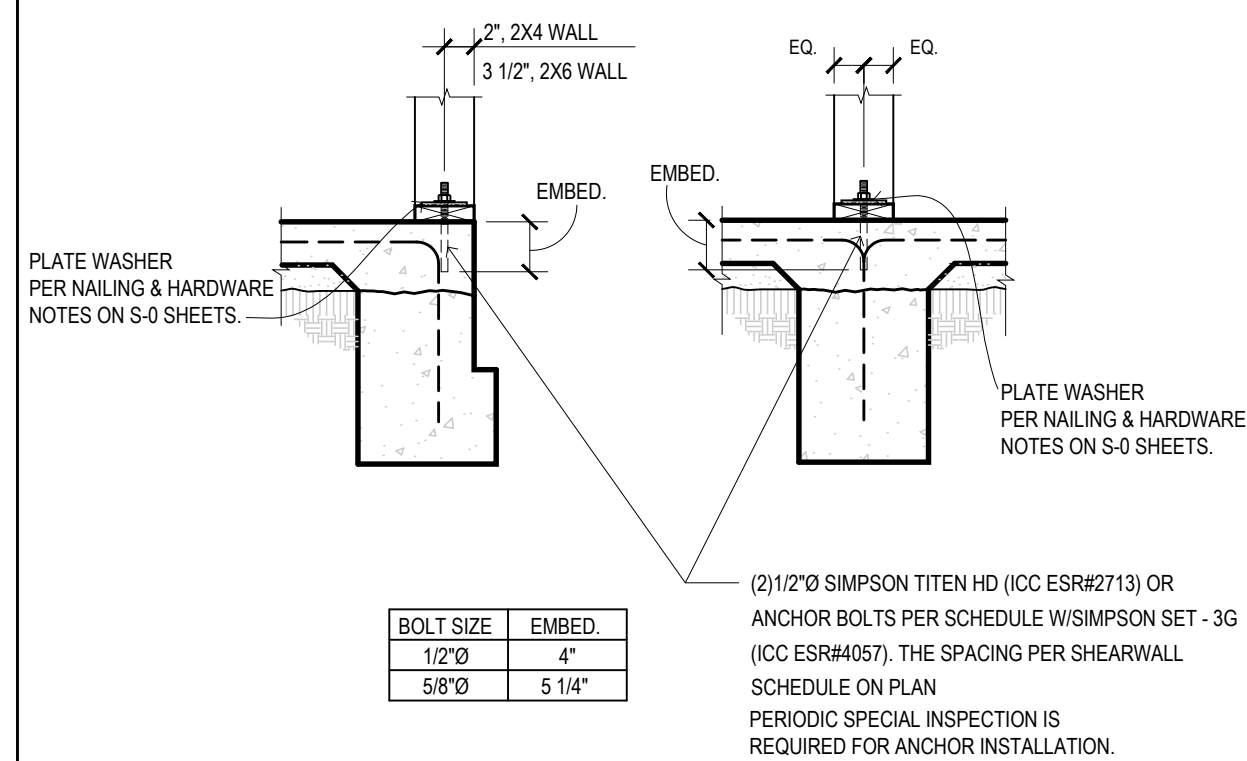
2 NON-BEARING INTERIOR WALL



7 SHEAR TRANSFER



3 HOLDOWN TO (E) EXTERIOR FOOTING



4 ANCHOR BOLT TO EXISTING FOOTING

REV.	DESCRIPTION	DATE
	FIRST ISSUE	11-25-2025
	PLAN CHECK	04-17-2026

PROJECT:

216-218 ALVARADO ST,
CHULA VISTA, CA 91910



SHEET TITLE:

STRUCTURAL
DETAILS

SHEET NUMBER:

SD.1



2025 CALGREEN RESIDENTIAL MANDATORY MEASURES
EFFECTIVE January 1, 2026

See specific referenced sections for complete details on CAI Green mandatory requirements.

2025 CAL GREEN CODE

	New Multifamily dwellings, hotels and motels	
4.106.4.2.2	1. EV ready parking spaces with receptacles. a. Multifamily parking facilities with assigned parking. Where dwelling units are provided with assigned parking spaces equal to or greater than the number of dwelling units, at least one low power Level 2 EV charging receptacle shall be provided at an assigned parking space for each dwelling unit. 1. Where the total number of dwelling units exceeds the number of assigned parking spaces, all assigned parking spaces shall be provided with one low power Level 2 EV charging receptacle. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the California Building Code; or parking facilities otherwise incapable of supporting electric vehicle charging. b. Multifamily parking facilities with unassigned parking. Where dwelling units are provided with assigned parking spaces equal to or greater than the number of dwelling units, at least one low power Level 2 EV charging receptacle shall be provided at an unassigned parking space for each dwelling unit. 1. Where the total number of dwelling units exceeds the number of unassigned parking spaces, all unassigned parking spaces shall be provided with one low power Level 2 EV charging receptacle. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the California Building Code; or parking facilities otherwise incapable of supporting electric vehicle charging. c. Multifamily parking facilities with assigned and unassigned parking. Where multifamily buildings are provided with both assigned and unassigned parking spaces equal to or greater than the number of dwelling units, at least one low power Level 2 EV charging receptacle shall be provided for each dwelling unit at either the assigned or unassigned parking space, but not both. d. Receptacle power source. EV charging receptacles in multifamily parking facilities at assigned parking spaces shall be provided with a dedicated branch circuit connected to the dwelling unit's electrical panel, unless determined as infeasible by the project builder or designer and subject to concurrence of the local enforcing agency. Exception: Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the California Building Code; or parking facilities otherwise incapable of	

- Calculations for spaces shall be rounded up to the nearest whole number.
- A parking space served by electric vehicle supply equipment (EVSE) or designed as an EV charging space shall count as at least one standard automobile parking space.

an EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by a local jurisdiction. See Vehicle Code Section 22511.2 for further details.

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2025 CALGREEN RESIDENTIAL MANDATORY MEASURES
EFFECTIVE January 1, 2026

See specific referenced sections for complete details on CALGreen mandatory requirements.

2025 CALGREEN CODE

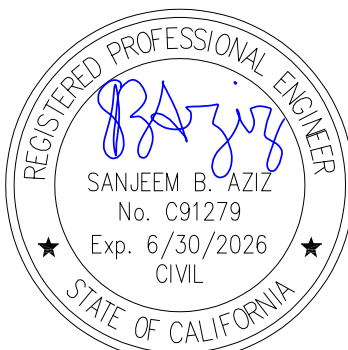
	devices or racks.
	3. Lockable, weatherproof, permanently anchored bicycle lockers.
DIVISION 4.2 – WATER EFFICIENCY	
SECTION	REQUIREMENTS
	Scope
4.201.1 & 5.201.1	- Energy efficiency requirements for low-rise residential (single-family) (Section 4.201.1); and high-rise residential (multifamily) and hotels/motels (Section 5.201.1) are now in both residential and nonresidential chapters of CALGreen. - Standards for residential buildings do not require compliance with levels of minimum energy efficiency beyond those required by the 2022 <i>California Energy Code</i>.
DIVISION 4.3 – WATER EFFICIENCY AND CONSERVATION	
SECTION	REQUIREMENTS
	Water conserving plumbing fixtures and fittings
	Plumbing fixtures and fittings shall comply with the following:
	4.303.1.1 – Water closets: ≤ 1.28 gpf/flush. 4.303.1.2 – Wall mounted urinals: ≤ 0.125 gpf/flush; all other urinals ≤ 0.5 gpf/flush. 4.303.1.3.1 – Single showerheads: ≤ 1.8 gpm @ 80 psi. 4.303.1.3.2 – Multiple showerheads: combined flow rate of all showerheads controlled by a single valve shall not exceed 1.8 gpm @ 80 psi, or only 1 shower outlet is to be in operation at a time.
4.303.1	4.303.1.4.1 – Residential lavatory faucets: maximum flow rate ≤ 1.2 gpm @ 60 psi; minimum flow rate ≥ 0.8 gpm @ 20 psi. 4.303.1.4.2 – Lavatory faucets in common and public use areas of residential buildings: ≤ 0.5 gpm @ 60 psi. 4.303.1.4.3 – Metering faucets: ≤ 0.2 gallons per cycle. 4.303.1.4.4 – Kitchen faucets: ≤ 1.8 gpm @ 60 psi; temporary increase to 2.2 gpm allowed but shall default to 1.8 gpm. 4.303.1.4.5 – Pre-rinse spray valves: When installed, Commercial Pre-Rinse Spray Valves shall meet the requirements in the <i>California Plumbing Code, Section 420.3</i> .

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216-218 ALVARADO STREET CHULA VISTA, CA

Revisions		
	Date	Description
1	04-20-2026	Plan check

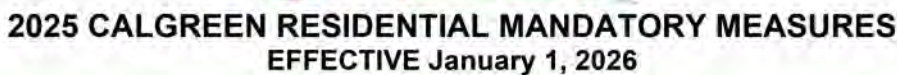
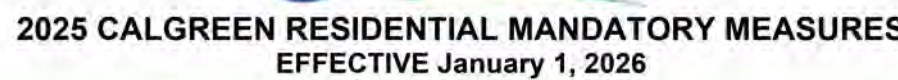
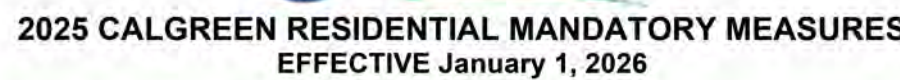
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A.11

Date	Job No	Rev
11-21-25		#

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216-218 ALVARADO STREET CHULA VISTA, CA

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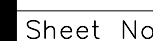
Checked by _____

Project Eng.

Scale

Sheet Name

CALGREEN REQUIREMENTS



A.12

Date 11-21-25	Job No	Rev. #
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