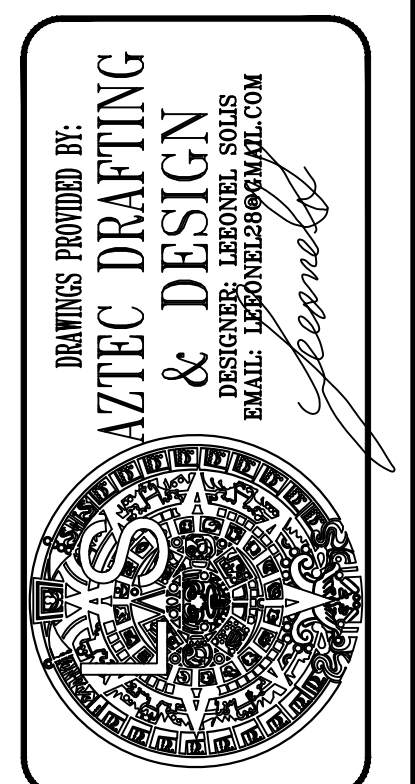


SHEET INDEX	
Sheet No.	SHEET NAME
SP-1	SITE PLAN
A-1	EXISTING FLOOR PLAN
A-2	NEW ADDITION FLOOR PLAN
A-3	ADU FLOOR PLAN
A-4	ADU ELECTRICAL PLAN
A-5	ADU ELEVATIONS
A-6	ADU ELEVATIONS
A-7	ADDITION ELEVATIONS
A-8	ADU ROOF PLAN / TRUSS LAYOUT
A-9	SECTION VIEW
A-10	UTILITY LAYOUT PLAN
S-1	STRUCTURAL NOTES
S-1.1	TYPICAL DETAILS
S-2	FOUNDATION PLAN
S-3	ROOF FRAMING PLAN
S-4	STRUCTURAL DETAILS
T-1	TRUSSES CALCS
T-01-05	TITLE 24 ENERGY CONSERVATION

CODE COMPLIANCE

PROJECT DESIGNED BASED ON THE FOLLOWING CODES:
 2019 CALIFORNIA ELECTRICAL CODE (CEC)
 2019 CALIFORNIA MECHANICAL CODE (CMC)
 2019 CALIFORNIA PLUMBING CODE (CPC)
 2019 CALIFORNIA FIRE CODE (CFC)
 2019 CALIFORNIA BUILDING CODE (CBC)
 2017 NATIONAL ELECTRICAL CODE (NEC)
 2019 CALIFORNIA ENERGY CODE
 2019 CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN)
 AND ALL CITY OF NATIONAL CITY AMENDMENTS.

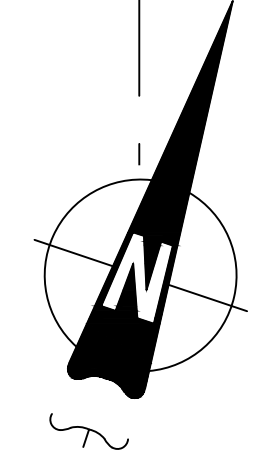
- SPECIFY AS INDICATED IN CF1R FORM (TITLE 24):
- DUCT SEALING (Y or N)
 - REFRIGERANT CHARGE (Y or N)
 - COOLING SYSTEM AIRFLOW (Y or N)
 - COOLING SYSTEM UNIT FAN EFFICACY (Y or N)
 - COOLING SYSTEM SEER AND/OR EER ABOVE MIN. (Y or N)
 - WHOLE-BUILDING VENTILATION AIRFLOW (Y or N)
 - BUILDING ENVELOPE AIR LEAKAGE (Y or N)
 - QUALITY INSULATION INSTALLATION (Y or N)
 - OTHER (SPECIFY BELOW)



JUAN MANUEL DIARTE
 DETACH ADDITIONAL DWELLING UNIT
 1523 E 14th St, NATIONAL CITY CA 91950
 APN: 557-342-09-00
 UTILITY: SDG&E
 AJH: NATIONAL CITY

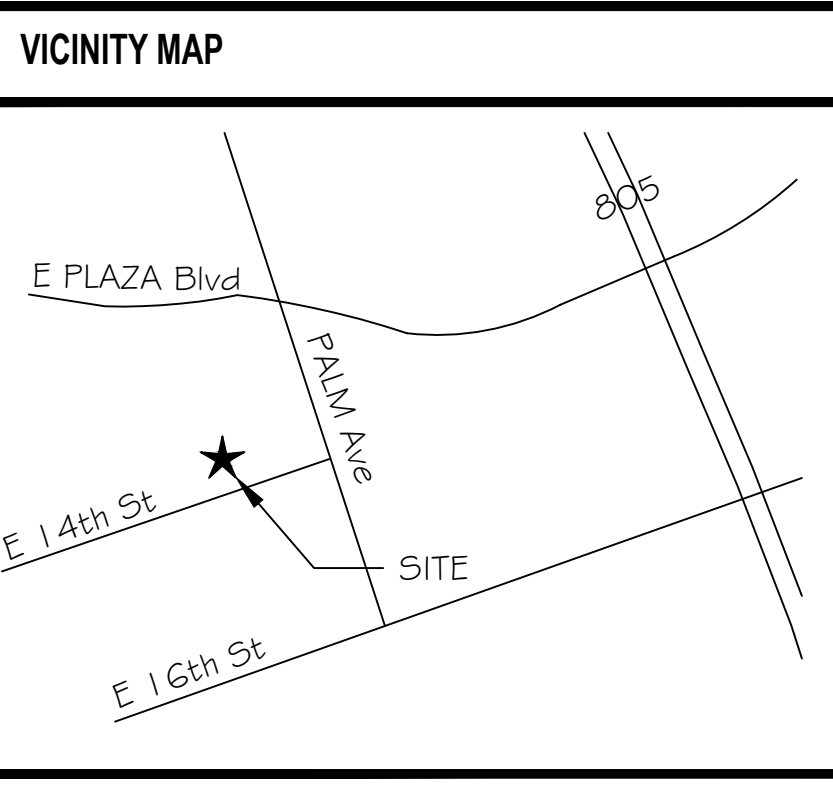
COVER SHEET & SITE PLAN

AZTEC DRAFTING & DESIGN
 DESIGNER: LEEONEL SOLIS
 EMAIL: LEEONEL28@GMAIL
 PHONE: 619-414-8506



ENGINEERING SCALE: 1" = 10'-0"

1 SITE PLAN
 1"=10'



OWNER INFORMATION

NAME: JUAN MANUEL DIARTE
 ADDRESS: 1523 E 14th St, NATIONAL CITY, 91950
 PHONE: 1-619-773-3727
 EMAIL: VER01983@HOTMAIL.COM

CONTACT INFORMATION

NAME: JUAN MANUEL DIARTE
 ADDRESS: 1523 E 14th St, NATIONAL CITY, 91950
 PHONE: 1-619-773-3727
 EMAIL: VER01983@HOTMAIL.COM

PARCEL INFORMATION

APN: 557-342-09-00
 EXISTING LOT AREA: 6,859 sqft
 EXISTING TENANT AREA: 1,096 sqft
 ZONING: RS2
 BUILDING TYPE: V
 OCCUPANCY GROUP: R3
 CONSTRUCTION TYPE: -

PROJECT SCOPE

NEW 498 SF DETACHED ACCESSORY DWELLING UNIT
 NEW 152 SF BEDROOM & BATHROOM TO EXISTING HOME

PERVIOUS AREA INFORMATION

PERVIOUS SURFACE AREA TABLE				
SITE ID	PERVIOUS ITEM	DIMENSIONS	AREA (sf)	NOTES

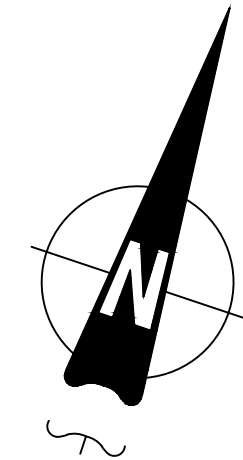
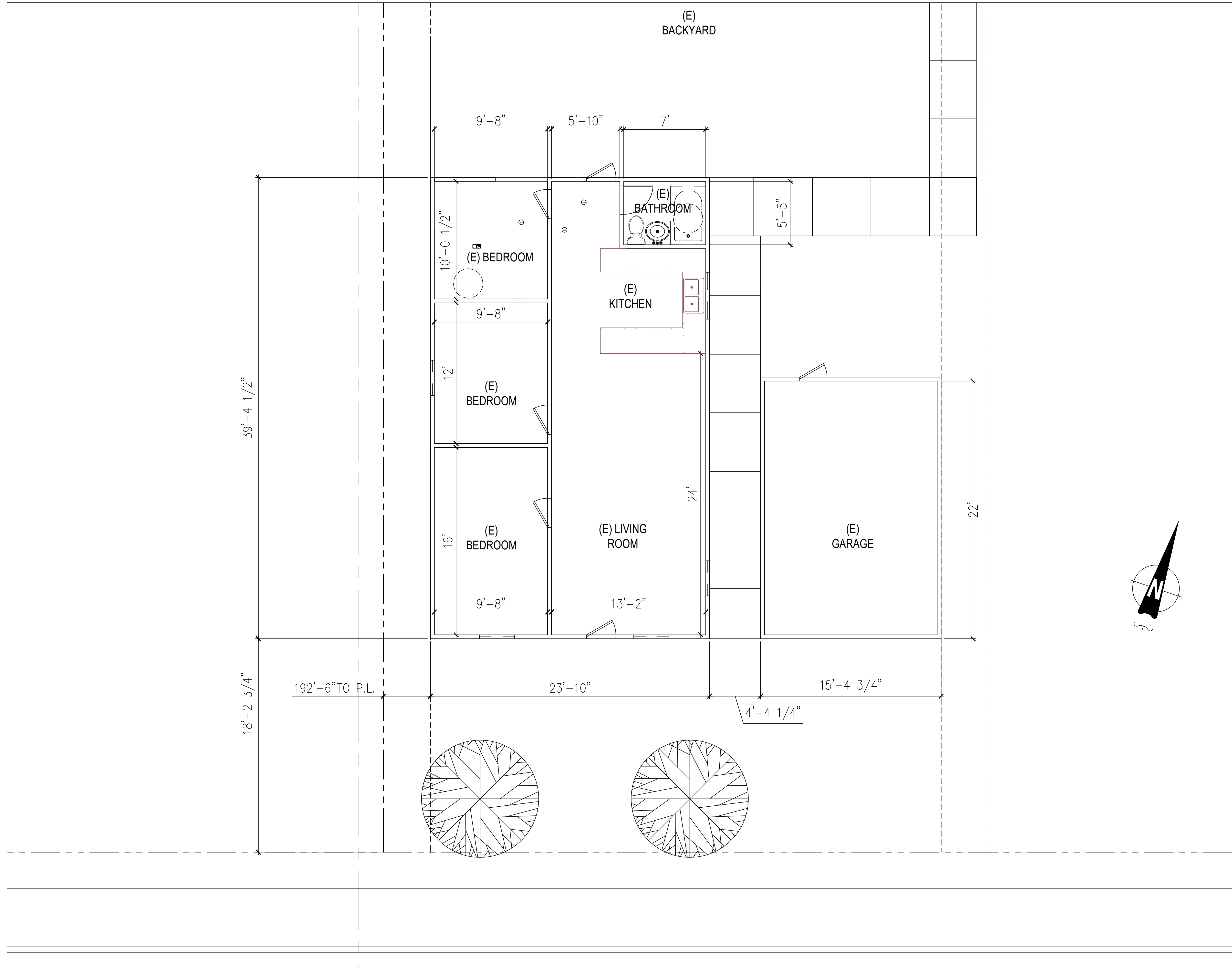
PERVIOUS ELEMENT MANUFACTURER: _____
 PERVIOUS ELEMENT SLOPE AND DIRECTION OF SLOPE: _____
 MAINTENANCE PROGRAM: _____
 PERVIOUS ELEMENT CROSS SECTION LOCATED IN SHEET: _____
 CONSTRUCTED PERVIOUS SURFACES SHALL NOT BE SEALED

IMPERVIOUS AREA INFORMATION

IMPERVIOUS SURFACE AREA TABLE				
SITE ID	IMPERVIOUS ITEM	DIMENSIONS	NEW OR REPLACED AREA (sf)	EXISTING AREA (sf)
1	ADU + OVERHANGS	29'-7" x 21'-9"	643 SF	
2	BEDROOM	12'-8" x 12'-0"	152 SF	
3				
4				

REVISION	
NO.	DATE
0	02/14/22

PROJECT NO. P013
 SHEET NO. **SP-1**



FLOOR PLAN NOTES

1. EXTERIOR WALLS WITHIN 3 FEET OF PROPERTY LINE (SPRINKLERS) OR 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS) REQUIRE 1-HOUR FIRE RATING FOR EXPOSURE TO BOTH SIDES
2. PROJECTIONS:
 - PROHIBITED WITHIN 2 FEET OF PROPERTY LINE
 - 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 3FT OF PROPERTY LINE (SPRINKLERS)
 - 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
3. OPENINGS:
 - PROHIBITED WITHIN 3FT OF PROPERTY LINE
 - MAXIMUM 25% OF WALL AREA WITHIN 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS)
4. PENETRATIONS:
 - 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 3FT OF PROPERTY LINE (SPRINKLERS)
 - 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
5. CONCRETE LANDING WITH MIN 36" DEPTH AND A MAXIMUM OF 1-1/2" LOWER THAN TOP OF DOOR THRESHOLD

AZTEC DRAFTING & DESIGN
 9119 JAMACHA RD, SUITE 115
 SPRING VALLEY, CA 91977
 CELL: 619-414-8508

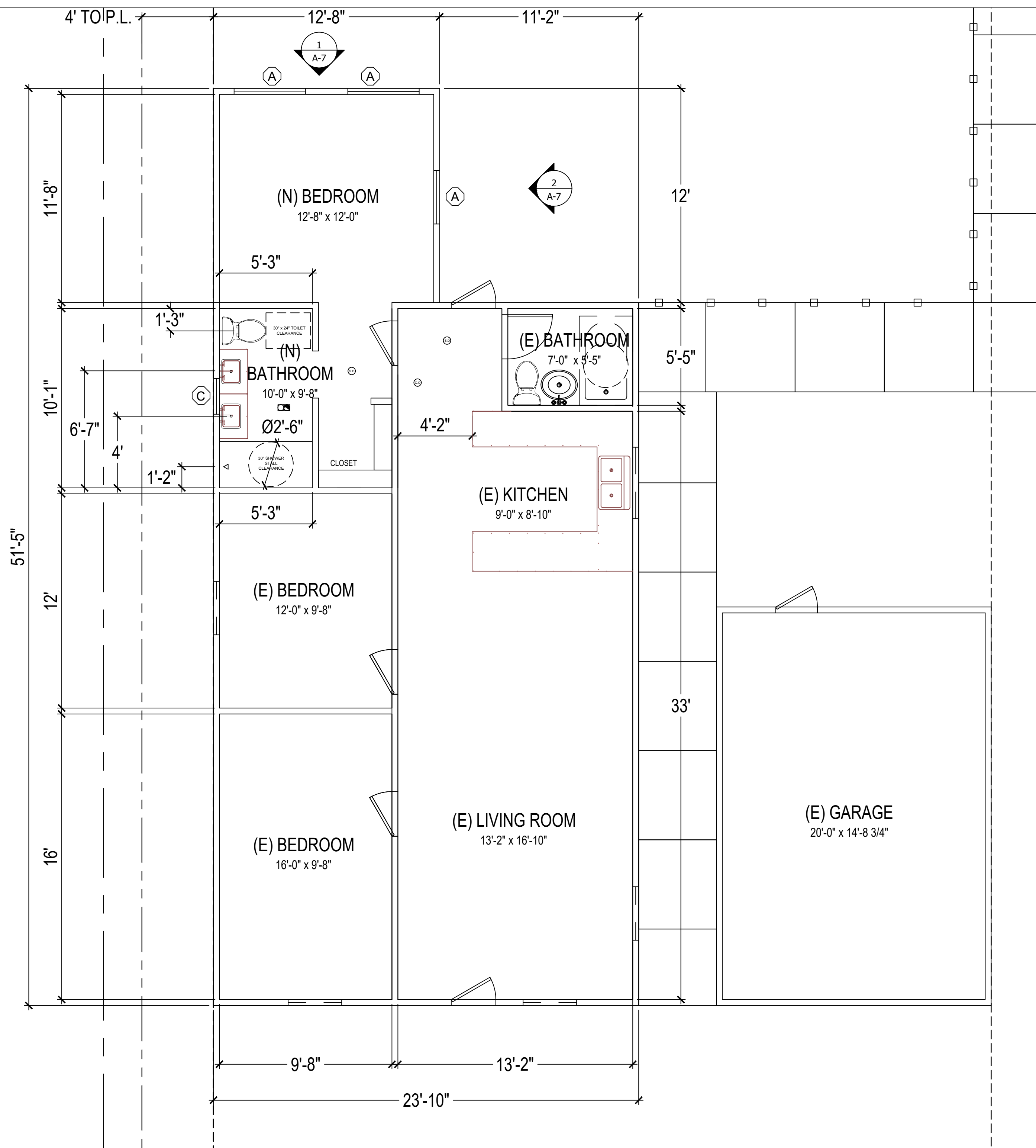
DRAWINGS PROVIDED BY:
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 9119 JAMACHA RD, SUITE 115
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 EMAIL: LEON@AZTECDRAFTING.COM

JUAN MANUEL DIARTE
 DETACH ADDITIONAL DWELLING UNIT
 1523 E 14th St, NATIONAL CITY CA 91950
 APN: 557-342-09-00
 UTILITY: SDG&E
 AJH: NATIONAL CITY

EXISTING FLOOR PLAN

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PROJECT NO. P013		
SHEET NO. A-1		

EXISTING FLOOR PLAN
 1/4" = 1'-0"



FLOOR PLAN NOTES

- EXTERIOR WALLS WITHIN 3 FEET OF PROPERTY LINE (SPRINKLERS) OR 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS) REQUIRE 1-HOUR FIRE RATING FOR EXPOSURE TO BOTH SIDES
- PROJECTIONS:
 - PROHIBITED WITHIN 2 FEET OF PROPERTY LINE
 - 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 3FT OF PROPERTY LINE (SPRINKLERS)
 - 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
- OPENINGS:
 - PROHIBITED WITHIN 3FT OF PROPERTY LINE
 - MAXIMUM 25% OF WALL AREA WITHIN 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS)
- PENETRATIONS:
 - 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 3FT OF PROPERTY LINE (SPRINKLERS)
 - 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
- CONCRETE LANDING WITH MIN 36" DEPTH AND A MAXIMUM OF 1-1/2" LOWER THAN TOP OF DOOR THRESHOLD

PLUMBING NOTES

- MIN. 1/4" PER FOOT SLOPE FOR WASTE PIPES PER SECTION 708 CPC
- BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.
- ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
- EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX(6) INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.
- ALL DRAINAGE WASTE AND VENT PIPE SHALL COMPLY WITH TABLE 703.2 CPC.
- SHOWER AND TUB-SHOWER COMBINATIONS SHALL BE PROVIDED WITH MIXING VALVES PER SECTION 408.3 CPC.
- TOILETS SHALL BE ULTRA-LOW FLUSH TYPE (1.28 G.P.F. MAX.)
- EACH SHOWERHEAD SHALL NOT EXCEED A WATER FLOW OF 1.8 GPM.
- KITCHEN SINK FAUCET SHALL NOT EXCEED A WATER FLOW 1.8 GPM.
- EACH LAVATORY FAUCET SHALL NOT EXCEED A WATER FLOW OF 1.2 GPM.
- ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
- COPPER PIPING FOR ALL POTABLE WATER SYSTEMS.

SHOWER PLAN NOTES

- MIN. 1/4" PER FOOT SLOPE FOR WASTE PIPES PER SECTION 708 CPC
- BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.
- ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
- EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX(6) INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.
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- EACH SHOWERHEAD SHALL NOT EXCEED A WATER FLOW OF 1.8 GPM.
- KITCHEN SINK FAUCET SHALL NOT EXCEED A WATER FLOW 1.8 GPM.
- EACH LAVATORY FAUCET SHALL NOT EXCEED A WATER FLOW OF 1.2 GPM.
- ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
- COPPER PIPING FOR ALL POTABLE WATER SYSTEMS.

NEW ADDITION FLOOR PLAN
1/4" = 1'-0"

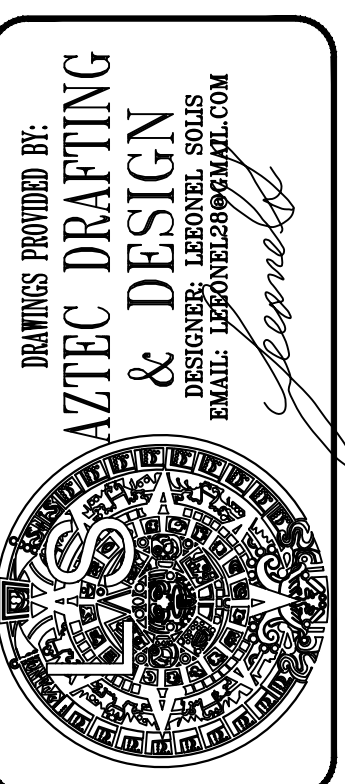
WINDOW SCHEDULE					
MARK	DIMENSION	TYPE	TEMPERED	U-factor	SHGC
(A)	4'-0" x 4'-0"	SLIDING		0.3000	0.2300

EXTERIOR WINDOWS, EXTERIOR GLAZED DOORS, GLAZED OPENINGS WITHIN EXTERIOR DOORS, GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS, AND EXTERIOR STRUCTURAL GLASS VENEER SHALL COMPLY WITH ONE OF THE FOLLOWING: (SELECT ONE)

- MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION 2406 SAFETY GLAZING, AND WHERE ANY GLAZING FRAMES MADE OF VINYL MATERIALS SHALL HAVE WELDED CORNERS, METAL REINFORCEMENT IN INTERLOCK AREA, AND BE CERTIFIED TO AAMA/WDMA/CSA 101/1.S.2/A40
- MINIMUM 20-MIN FIRE-RESISTANCE-RATED
- MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2

ELECTRICAL LEGEND

⊕	DUPLEX OUTLET	⊙	HIGH EFFICACY RECESSED LIGHT
⊞	WALL SWITCH	⊕	GARBAGE DISPOSAL
⊞ _{G.D.}	GARBAGE DISPOSAL SWITCH		
⊞ _{V.S.}	VACANCY SENSOR		
⊞	4" DIA DRYER VENT		
⊙	SMOKE DETECTOR		FAN & LIGHT COMBO
⊙	CARBON MONOXIDE ALARM		
⊞	EXHAUST FAN AND LIGHT COMBINATION		
⊙	HIGH EFFICACY LIGHT FIXTURE		



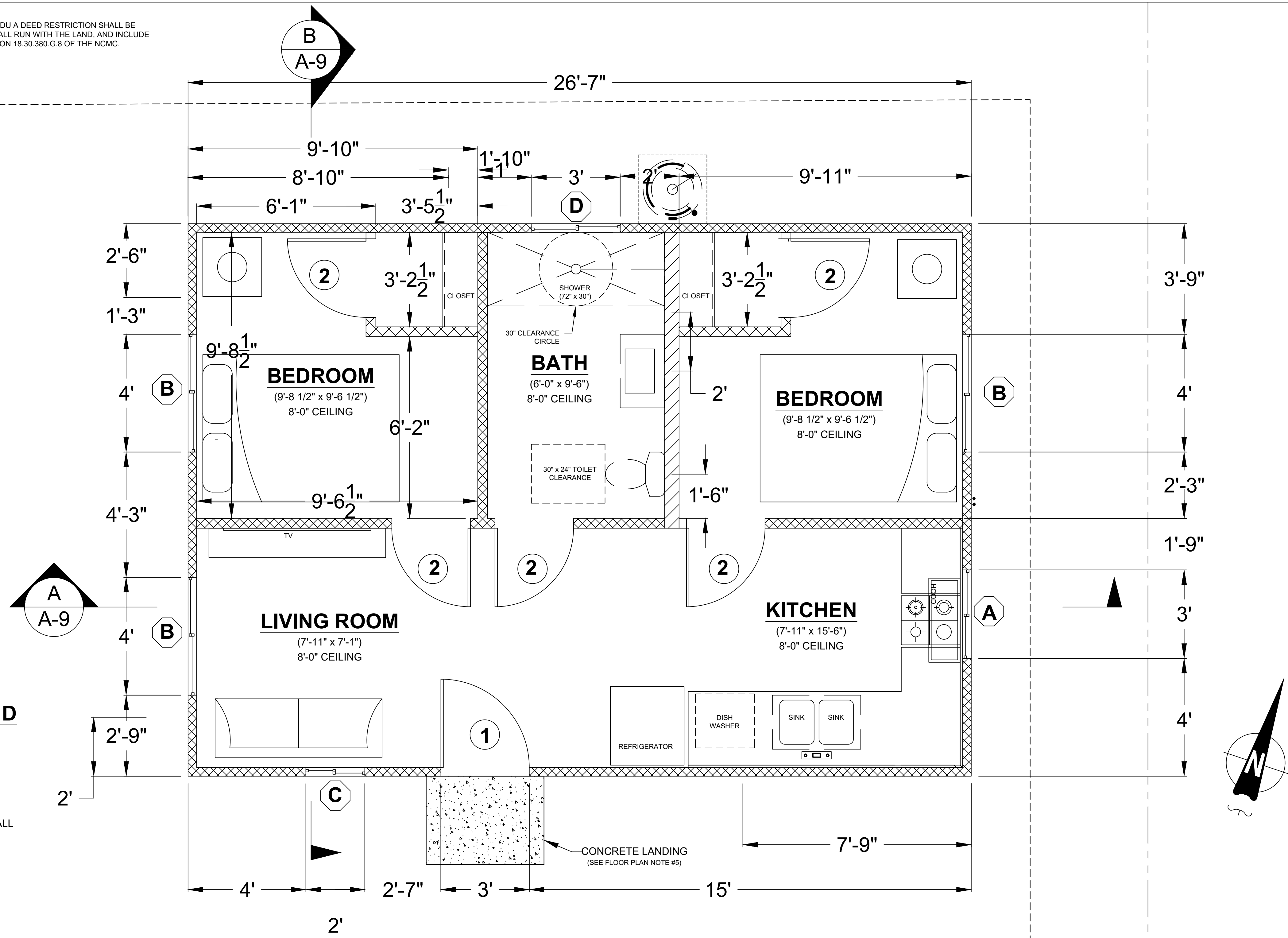
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DESIGNED BY: JUAN MANUEL DIARTE
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UTILITY: SDG&E
AJH: NATIONAL CITY

NEW ADDITION FLOOR PLAN

REVISION		
0	-	02/14/22
PROJECT NO. P013		
SHEET NO. A-2		

NOTE:
 1. AS A CONDITION OF APPROVAL FOR THE ADU A DEED RESTRICTION SHALL BE RECORDED WITH THE COUNTY, WHICH SHALL RUN WITH THE LAND, AND INCLUDE LANGUAGE IN CONFORMANCE WITH SECTION 18.30.380.G.8 OF THE NCMC.



WALL LEGEND

- 2x6 WALL
- 2x4 WALL
- 2x4 PONY WALL

FLOOR PLAN
 1/2" = 1'-0"

WINDOW SCHEDULE				
MARK	DIMENSION	TYPE	TEMPERED	NOTES
(A)	3'-0" x 4'-0"	SLIDING		
(B)	4'-0" x 4'-0"	SLIDING		
(C)	2'-0" x 3'-0"	SLIDING	Y	
(D)	3'-0" x 2'-0"	SLIDING	Y	

EXTERIOR WINDOWS, EXTERIOR GLAZED DOORS, GLAZED OPENINGS WITHIN EXTERIOR DOORS, GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS, AND EXTERIOR STRUCTURAL GLASS VENEER SHALL COMPLY WITH ONE OF THE FOLLOWING: (SELECT ONE)
 A. MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION 2406 SAFETY GLAZING, AND WHERE ANY GLAZING FRAMES MADE OF VINYL MATERIALS SHALL HAVE WELDED CORNERS, METAL REINFORCEMENT IN INTERLOCK AREA, AND BE CERTIFIED TO AAMA/WDMA/CSA 101/I.S.2/A40
 B. MINIMUM 20-MIN FIRE-RESISTANCE-RATED.
 C. MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2

DOOR SCHEDULE				
MARK	DIMENSION	TYPE	TEMPERED	NOTES
(1)	3'-0" x 6'-8"	SWINGING		1-3/8" SOLID CORE
(2)	2'-8" x 6'-8"	SWINGING		
(3)	8'-0" x 6'-8"	SLIDING		6FT CLOSET

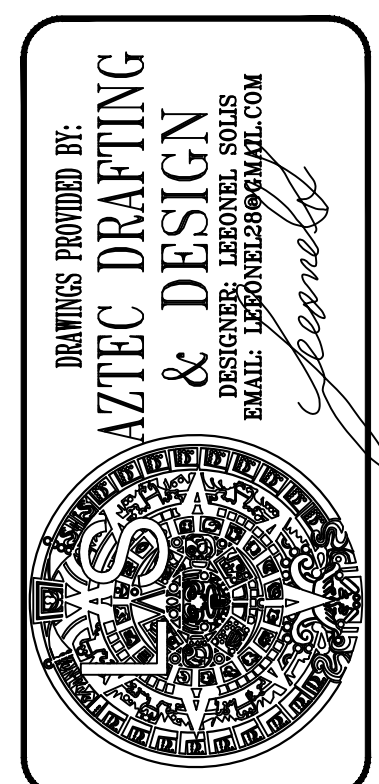
EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING: (SELECT ONE)
 A. EXTERIOR SURFACE OR CLADDING OF NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL
 B. SOLID CORE WOOD COMPLYING WITH THE FOLLOWING:
 - STILES AND RAILS MINIMUM 1-3/8 INCHES THICK
 - RAISED PANELS MINIMUM 1-1/4 INCHES THICK
EXCEPTION: EXTERIOR PERIMETER OF RAISED PANEL MAY TAPER TO A TONGUE MINIMUM 3/8 INCHES THICK
 C. MINIMUM 20-MIN FIRE RATED WHEN TESTED PER NFPA 252
 D. MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1

FLOOR PLAN NOTES

- EXTERIOR WALLS WITHIN 3 FEET OF PROPERTY LINE (SPRINKLERS) OR 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS) REQUIRE 1-HOUR FIRE RATING FOR EXPOSURE TO BOTH SIDES
- PROJECTIONS:
 - PROHIBITED WITHIN 2 FEET OF PROPERTY LINE
 - 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 3FT OF PROPERTY LINE (SPRINKLERS)
 - 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
- OPENINGS:
 - PROHIBITED WITHIN 3FT OF PROPERTY LINE
 - MAXIMUM 25% OF WALL AREA WITHIN 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS)
- PENETRATIONS:
 - 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 3FT OF PROPERTY LINE (SPRINKLERS)
 - 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
- CONCRETE LANDING WITH MIN 36" DEPTH AND A MAXIMUM OF 1-1/2" LOWER THAN TOP OF DOOR THRESHOLD

OPTIONAL ROLL-IN SHOWER PLAN NOTES

- SHOWER COMPARTMENT SEAT
 - MUST BE FOLDING TYPE, NOT TO EXCEED MORE THAN 6 INCHES FROM MOUNTING WALL WHEN FOLDED
 - LOCATED WITHIN 27 INCHES OF SHOWER CONTROLS
 - MOUNTED MINIMUM 17 INCHES AND MAXIMUM 19 INCHES ABOVE BATHROOM FINISHED FLOOR
 - SEAT INSTALLED ON SIDE WALL ADJACENT TO CONTROLS AND EXTENDING FROM BACK WALL TO POINT WITHIN 3 INCHES OF SHOWER COMPARTMENT ENTRY
 - STRUCTURAL ADEQUACY OF MOUNTING HARDWARE AND FASTENERS TO ACCOMMODATE 250 POUND POINT LOAD APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE
- SHOWER GRAB BARS
 - MOUNTED MINIMUM 33 INCHES AND MAXIMUM 36 INCHES ABOVE SHOWER FLOOR
 - NOT EXTENDING OVER SHOWER SEAT
 - IF CROSS SECTION IS CIRCULAR, MINIMUM 1-1/4" AND MAXIMUM 2" OUTSIDE DIAMETER
 - IF CROSS SECTION IS NON-CIRCULAR, MINIMUM 4" AND MAXIMUM 4.8" PERIMETER AND MAXIMUM 2-1/4" CROSS SECTION DIMENSION
 - GRAB BARS MOUNTED ADJACENT TO A WALL, 1-1/2" ABSOLUTE SPACE BETWEEN WALL AND GRAB BAR
 - MINIMUM 1-1/2" SPACE BETWEEN GRAB BAR AND PROJECTING OBJECTS BELOW AND AT ENDS
 - MINIMUM 12 INCH SPACE BETWEEN GRAB BAR AND PROJECTING OBJECTS ABOVE
 - SURFACE MATERIAL OF ANY WALLS OR OBJECTS ADJACENT TO GRAB BARS MUST BE FREE OF SHARP OR ABRASIVE ELEMENTS AND HAVE ROUNDED EDGES.
 - STRUCTURAL ADEQUACY OF MOUNTING HARDWARE AND FASTENERS TO ACCOMMODATE 250 POUND POINT LOAD APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE
 - WALL REINFORCEMENT TO BE PROVIDED AT LOCATION OF GRAB BARS (E.G. BLOCKING)
- OPERABLE PARTS OF SHOWER CONTROLS AND FAUCETS:
 - INSTALLED ON BACK WALL OF SHOWER COMPARTMENT ADJACENT TO SEAT WALL
 - LOCATED MINIMUM 19 INCHES AND MAXIMUM 27 INCHES FROM SEAT WALL
 - LOCATED ABOVE GRAB BAR BUT NO HIGHER THAN 48 INCHES ABOVE SHOWER FLOOR
 - CENTERLINE AT MINIMUM 39 INCHES AND MAXIMUM 41 INCHES ABOVE SHOWER FLOOR
 - SINGLE-LEVER DESIGN
 - OPERABLE WITH MAXIMUM 5 POUNDS OF FORCE
 - OPERABLE WITH ONE HAND AND WITHOUT TIGHT GRASPING, PINCHING, OR TWISTING OF WRIST
- SPRAYER UNIT AND ASSOCIATED OPERABLE PARTS SHALL BE PROVIDED PER THE FOLLOWING:
 - OPERABLE PARTS, INCLUDING HANDLE, TO BE INSTALLED ON BACK WALL OF SHOWER COMPARTMENT MINIMUM 19 INCHES AND MAXIMUM 27 INCHES FROM SEAT WALL
 - OPERABLE PARTS LOCATED ABOVE GRAB BAR BUT NO HIGHER THAN 48 INCHES ABOVE SHOWER FLOOR, MEASURED TO TOP OF MOUNTING BRACKET
 - MINIMUM 59 INCH LONG HOSE
 - CAPABLE FOR USE AS FIXED SHOWER HEAD AND HAND HELD SHOWER
 - ON/OFF CONTROL WITH NON-POSITIVE SHUT OFF
 - ADJUSTABLE -HEIGHT SHOWER HEADS ON VERTICAL BAR SHALL NOT OBSTRUCT USE OF BATHTUB GRAB BARS
- WHERE SOAP DISHES ARE PROVIDED, MAXIMUM 40 INCHES ABOVE SHOWER FLOOR AND WITHIN REACH LIMITS FROM THE SHOWER SEAT
- MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS OF ROLL-IN SHOWER FLOORS
- MAXIMUM 2" HIGH THRESHOLDS WITH MAXIMUM 50% BEVELED SLOPE AT ROLL-IN SHOWERS
- WHERE DRAINS ARE PROVIDED AT ROLL-IN SHOWERS, MAXIMUM 2" GRATE OPENINGS FLUSH WITH SHOWER FLOOR SURFACE



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ADU FLOOR PLAN

REVISION	
0	02/14/22

PROJECT NO. P013
 SHEET NO. A-3

ELECTRICAL NOTES

- KITCHENS REQUIRE EXHAUST FANS WITH A MINIMUM 100 CFM DUCTED TO THE EXTERIOR. DETAIL COMPLIANCE BY INCLUDING A COMPLYING EXHAUST FAN OR A DUCTED RANGE HOOD TO THE EXTERIOR.
- 3"x3"x0.229" PLATE WASHERS SHALL BE USED ON EACH SILL PLATE ANCHOR BOLT
- FOR STANDARD CUT WASHERS PLACED BETWEEN PLATE WASHER AND NUT, HOLE IN PLATE WASHER MAY BE DIAGONALLY SLOTTED WITH MAXIMUM LARGER WIDTH THAN BOLT DIAMETER AND MAXIMUM 1-3/4" SLOT LENGTH
- PROVIDE A MINIMUM OF TWO ANCHOR BOLTS PER SILL PLATE WITH ONE BOLT LOCATED MAXIMUM 12" AND MINIMUM 7 BOLT DIAMETERS FROM EACH END OF EACH SECTION.
- BOLTS LOCATED IN THE MIDDLE THIRD OF THE SILL PLATE WIDTH
- FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE HOT-DIPPED ZINC COATED GALVANIZED, STAINLESS STEEL OR COPPER
- NO LPG PIPING ASSEMBLIES ALLOWED IN OR BENEATH SLABS WITHIN THE STRUCTURE
- ELECTRICAL RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT. (CEC 406.12)
- AT LEAST ONE 120 VOLT, 20-AMP BRANCH SHALL BE PROVIDED TO SUPPLY BATHROOM RECEPTACLE OUTLETS.
- ARC FAULT CIRCUIT INTERRUPTER PROTECTION FOR ALL OUTLETS.

UTILITY PLAN NOTES

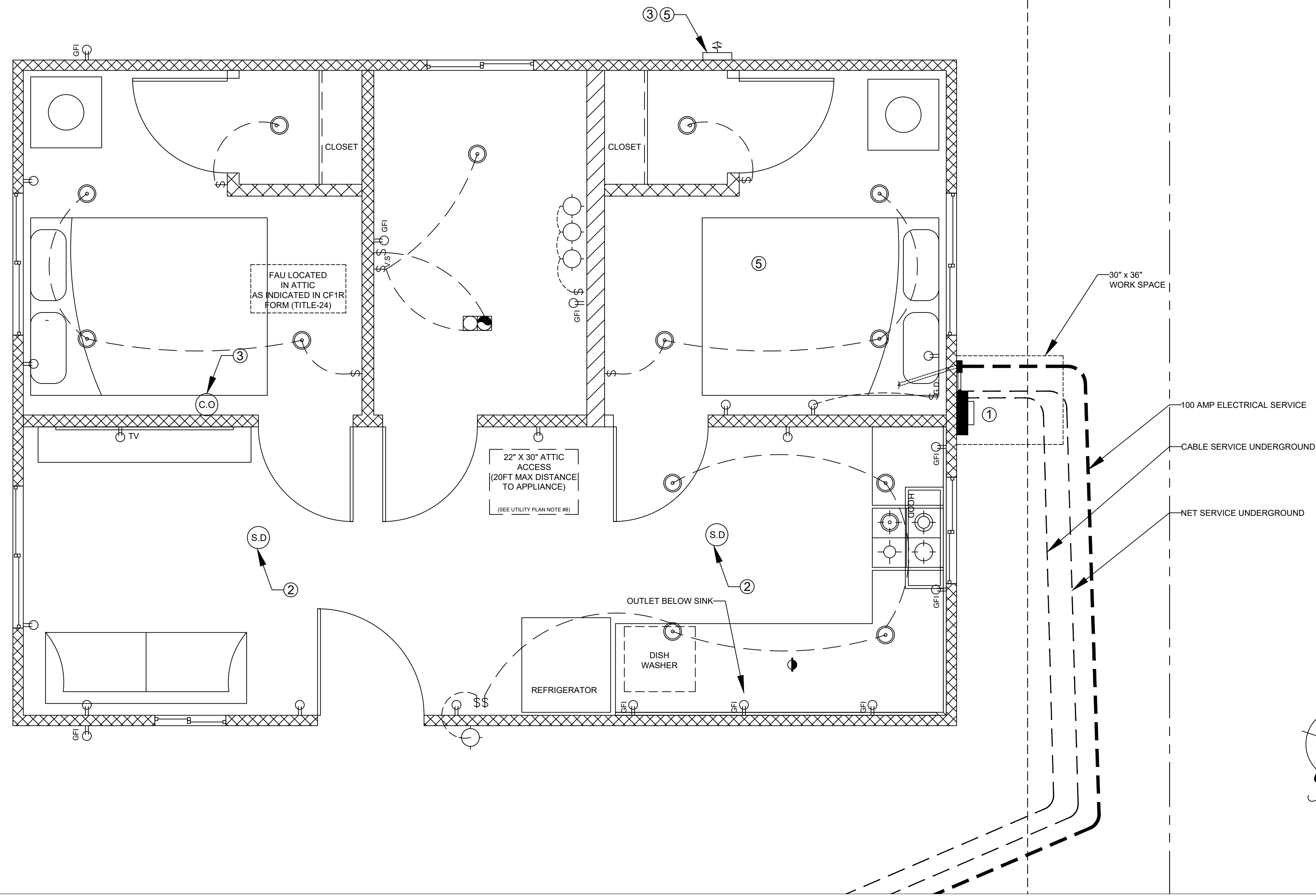
- LOCAL EXHAUST FANS TO EXTERIOR TO PROVIDE MINIMUM 50 CFM INTERMITTENT OR 20 CFM CONTINUOUS VENTILATION.
- SMOKE DETECTORS TO BE INTERCONNECTED PER CRC R314.4 AND HARD-WIRED WITH BATTERY BACK-UP PER CRC R314.6
- CARBON MONOXIDE ALARMS TO BE INTERCONNECTED PER CRC R315.7 AND HARD-WIRED WITH BATTERY BACK-UP PER CRC R315.5
- 4" Ø DRYER VENT WITH MAXIMUM 14 FOOT COMBINED HORIZONTAL AND VERTICAL LENGTH WITH TWO 90 DEGREE ELBOWS.
- A MECHANICAL EXHAUST VENTILATION SYSTEM, SUPPLY VENTILATION SYSTEM, OR COMBINATION THEREOF SHALL BE INSTALLED FOR EACH DWELLING UNIT TO PROVIDE WHOLE-BUILDING VENTILATION WITH OUTDOOR AIR IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISSION.
- AN INTERMITTENTLY OR CONTINUOUSLY OPERATING LOCAL MECHANICAL EXHAUST VENTILATION SYSTEM SHALL BE INSTALLED IN EACH BATHROOM WITH A BATHTUB, SHOWER, OR SIMILAR MOISTURE SOURCE AND IN EACH KITCHEN IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISSION. INTERMITTENT LOCAL EXHAUST VENTILATION AIRFLOW RATES SHALL BE 50 CFM IN BATHROOMS AND 100 CFM IN KITCHENS. CONTINUOUS LOCAL EXHAUST VENTILATION AIRFLOW RATES SHALL BE 20 CFM IN BATHROOMS AND 5 AIR CHANGES PER HOUR IN KITCHENS BASED ON KITCHEN VOLUME.
- WATER HEATER OR FURNACE SHALL BE A DIRECT-VENT APPLIANCE
- LISTED GASKETED SELF CLOSING DOOR REQUIRED FOR GAS FAU
- MINIMUM 3" CLEARANCES FROM NEW BATHROOM AND KITCHEN RANGE HOOD EXHAUST TERMINATION TO ANY BUILDING OPENING AND PROPERTY LINE.
- EXHAUST DUCTS AND DRYER VENTS SHALL BE EQUIPPED WITH BACK-DRAFT DAMPERS PER SEC. 504.1.1 CMC.

LIGHTING PLAN NOTES

- ALL LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH CBEE'S TABLE 150.0-A
- ALL LED LUMINAIRES AND LAMPS SHALL BE MARKED "JA8-2016" AND LISTED IN THE CALIFORNIA ENERGY COMMISSION DATABASE AT [HTTPS://CACERTAPPLIANCES.ENERGY.CA.GOV/PAGES/APPLIANCESEARCH.ASPX](https://cacertappliances.energy.ca.gov/PAGES/APPLIANCESEARCH.ASPX)
- ALL RECESSED DOWNLIGHT AND ENCLOSED LUMINAIRES SHALL BE MARKED "JA8-2016-E" AND LISTED IN THE CALIFORNIA ENERGY COMMISSION DATABASE AT [HTTPS://CACERTAPPLIANCES.ENERGY.CA.GOV/PAGES/APPLIANCESEARCH.ASPX](https://cacertappliances.energy.ca.gov/PAGES/APPLIANCESEARCH.ASPX)
- RECESSED DOWNLIGHT LUMINAIRES IN CEILINGS SHALL NOT BE SCREW-BASED
- BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS: AT LEAST ONE LUMINAIRE IN EACH SPACE SHALL BE CONTROLLED BY A VACANCY SENSOR
- ALL LUMINAIRES REQUIRING "JA8-2016" OR "JA8-2016-E" MARKING SHALL BE CONTROLLED BY A DIMMER OR VACANCY SENSOR
EXCEPTION: CLOSETS LESS THAN 70 S.F. & HALLWAYS
- OUTDOOR LIGHTING PERMANENTLY MOUNTED TO BUILDINGS SHALL BE CONTROLLED BY ONE OF THE FOLLOWING:
 - PHOTOCONTROL AND MOTION SENSOR
 - PHOTOCONTROL AND AUTOMATIC TIME-SWITCH CONTROL
 - ASTRONOMICAL TIME CLOCK
 - ENERGY MANAGEMENT CONTROL SYSTEM PER CBEE'S 150.0(K)3A111C

SOLAR READY KEY NOTES

- THE MAIN ELECTRICAL SERVICE PANEL SHALL NOT BE OF A TYPE WITH A CENTER-FED MAIN CIRCUIT BREAKER AND SHALL INCLUDE RESERVED SPACE ALLOWING FOR INSTALLATION OF DOUBLE-POLE CIRCUIT BREAKERS FOR A FUTURE SOLAR PHOTOVOLTAIC SYSTEM. SUCH RESERVED SPACE SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER OR MAIN CIRCUIT BREAKER LOCATION. THE RESERVED SPACE SHALL BE PERMANENTLY AND VISIBLY MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC"
- APPROVED MINIMUM 4-INCH SQUARE ELECTRICAL JUNCTION BOX LOCATED WITHIN 72 INCHES HORIZONTALLY AND 12 INCHES VERTICAL OF MAIN ELECTRICAL SERVICE PANEL
- MINIMUM 1 INCH DIAMETER LISTED ELECTRICAL METALLIC RACEWAY ORIGINATING AT READILY ACCESSIBLE ATTIC LOCATION WITH PROXIMITY TO SOLAR ZONE AREA AND TERMINATING AT THE REQUIRED ELECTRICAL JUNCTION BOX
- MINIMUM 1 INCH DIAMETER LISTED ELECTRICAL METALLIC RACEWAY ORIGINATING AT THE REQUIRED ELECTRICAL JUNCTION BOX AND TERMINATING AT THE MAIN ELECTRICAL SERVICE PANEL
- ELECTRICAL JUNCTION BOX AND SEGMENT OF METALLIC RACEWAY IN THE ATTIC SHALL BE PERMANENTLY AND VISIBLY MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC"



WALL LEGEND

- 2x6 WALL
- 2x4 WALL
- 2x4 PONY WALL

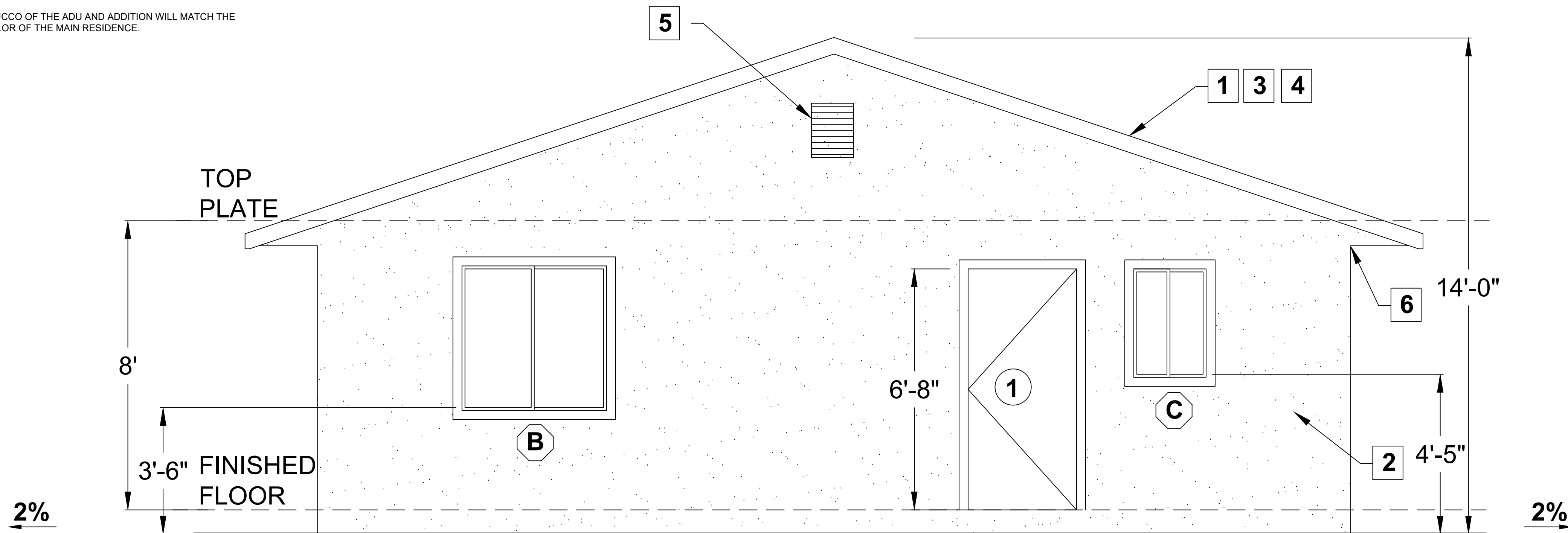
ELECTRICAL PLAN

1/2" = 1'-0"

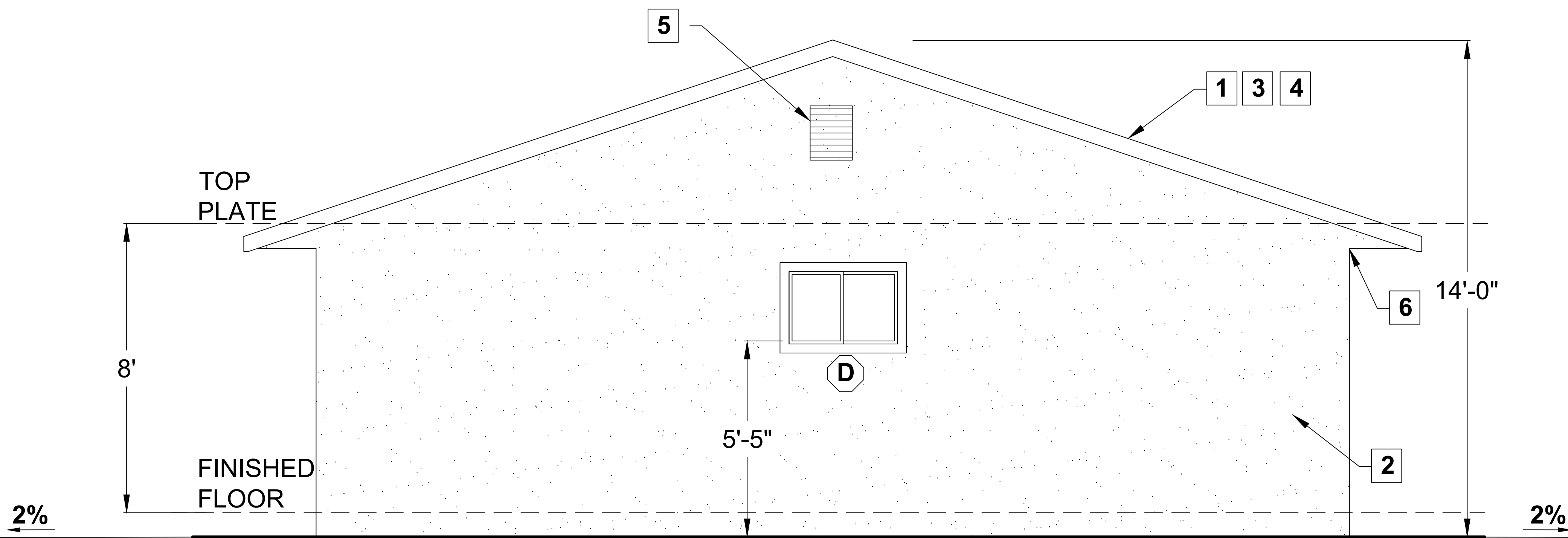
ELECTRICAL LEGEND

☐	DUPLEX OUTLET	☉	HIGH EFFICACY RECESSED LIGHT
⌘	WALL SWITCH	⌀	GARBAGE DISPOSAL
⌘ _{G,D}	GARBAGE DISPOSAL SWITCH		
⌘ _{V,S}	VACANCY SENSOR		
⌀	4" DIA DRYER VENT		
Ⓢ	SMOKE DETECTOR		
Ⓢ	CARBON MONOXIDE ALARM		
Ⓢ	EXHAUST FAN AND LIGHT COMBINATION		
Ⓢ	HIGH EFFICACY LIGHT FIXTURE		
			FAN & LIGHT COMBO

- NOTE:
- CLEARLY VISIBLE ADDRESS NUMBER WITH 4" TALL LETTERS, WITH 4" TALL LETTERS, WITH A 1/2" MIN STROKE PER CRC R319.
 - STUCCO OF THE ADU AND ADDITION WILL MATCH THE COLOR OF THE MAIN RESIDENCE.



FRONT



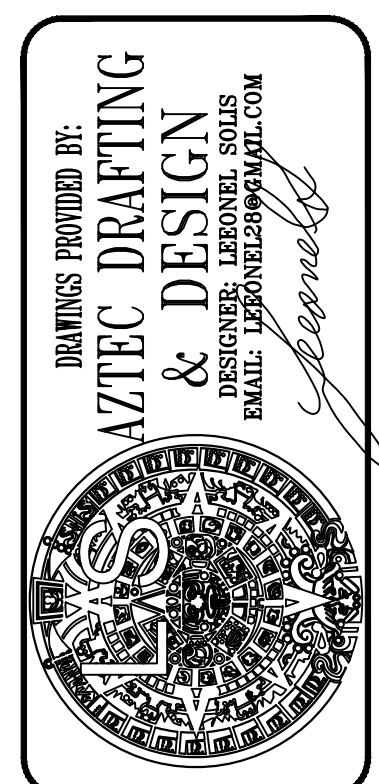
BACK

ELEVATION KEY NOTES

- ROOF: CLASS 'A' FIRE RATING - ROOF MATERIAL: OWENS CORNING ASPHALT SHINGLES FIRE RATING CLASS A. UNDERLAYMENT: OWENS CORNING ProArmor SYNTHETIC ROOFING UNDERLAYMENT. LISTING REPORT #: PROA21
- EXTERIOR WALL FINISH: STUCCO PAINTED TO MATCH EXISTING
- ROOF PITCH: 4:12
- RADIANT BARRIER IS REQUIRED
- GABLE VENT (SEE NOTE 5 & 6 BELOW) MANUFACTURER: GIBRALTAR BUILDING PRODUCTS MODEL: GLFF1418WH-0.125 NFVA: 110sqin (71 in²)
- EAVE VENT (SEE NOTE 5 & 6 BELOW)
 - A: MANUFACTURER: GIBRALTAR BUILDING PRODUCTS
 - B: GALV. STEEL 2-WAY REVERSIBLE VENT
 - C: 71sqin (MIN 23 in²)

WILDFIRE ZONE PLAN NOTES

- IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE FOLLOWING MEANS OF PROTECTING SPACES AT EAVES ENDS.
 - a. FIRE-STOPPING WITH APPROVED MATERIALS
 - b. ONE LAYER OF 72 POUND (32.4 KG) MINERAL-SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER THE COMBUSTIBLE DECKING
 - c. OTHERWISE CONSTRUCTED TO PREVENT INTRUSION OF FLAMES AND EMBERS
- EXPOSED VALLEY FLASHINGS SHALL BE CONSTRUCTED WITH NOT LESS THAN 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL. INSTALLED OVER A MINIMUM 36-INCH-WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY.
- ANY ROOF GUTTERS SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS.
- SKYLIGHTS SHALL BE TEMPERED GLASS.
- ALL VENTS (ROOF, FOUNDATION, COMBUSTION-AIR, ETC) SHALL RESIST THE INTRUSION OF FLAMES AND EMBERS
- VENTILATION OPENINGS FOR ENCLOSED ATTICS, EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION OPENINGS, AND VENT OPENINGS IN EXTERIOR WALLS AND EXTERIOR DOORS SHALL BE LISTED TO ASTM E 2886 AND COMPLY WITH ALL OF THE FOLLOWING:
 - a. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST
 - b. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST
 - c. THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 DEGREES FAHRENHEIT (350 DEGREES CELSIUS)
- EXTERIOR WALL FINISH SHALL COMPLY WITH ONE OF THE FOLLOWING:
 - a. NON-COMBUSTIBLE MATERIAL (STUCCO, CEMENT FIBER BOARD, ETC)
 - STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL COVERING SHALL BE 7/8-INCH THICK
 - NONCOMBUSTIBLE OR FIRE-RETARDANT-TREATED WOOD SHAKE USED AS AN EXTERIOR WALL COVERING SHALL HAVE AN UNDERLAYMENT OF MINIMUM 1/2-INCH FIRE-RATED GYPSUM SHEATHING THAT IS TIGHTLY BUTTED, OR TAPED AND MUDDED, OR AN UNDERLAYMENT OF OTHER IGNITION-RESISTANT MATERIAL APPROVED BY THE BUILDING OFFICIAL.
 - b. IGNITION-RESISTANT MATERIAL
- PATIO COVER, CARPORT AND TRELLIS CONSTRUCTION WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH ANY OF THE FOLLOWING:
 - NON-COMBUSTIBLE MATERIAL
 - 1-HOUR FIRE-RESISTANT-RATED MATERIAL
 - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 - MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE SHEATHING, 4X6 RAFTERS/BEAMS, 6X6 POSTS)
- DECK, BALCONY, AND EXTERIOR STAIR CONSTRUCTION, WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH THE FOLLOWING:
 - a. FRAMING
 - NON-COMBUSTIBLE MATERIAL
 - 1-HOUR FIRE-RESISTANT-RATED MATERIAL
 - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 - MODIFIED HEAVY TIMBER (MIN 4X8 JOISTS, 4X10 OR 6X8 BEAMS, 6X6 POSTS)
 - b. DECKING AND TREAD MATERIAL (ANY OF THE FOLLOWING):
 - NON-COMBUSTIBLE MATERIAL
 - 1-HOUR FIRE-RESISTANT-RATED MATERIAL
 - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 - APPROVED ALTERNATIVE DECKING MATERIAL MEETING TESTS REQUIREMENTS OF COUNTY BUILDING CODE 92.1.709A.1.4)
- EXTERIOR GARAGE DOORS SHALL RESIST THE INTRUSION OF EMBERS INTO THE GARAGE BY LIMITING THE SIZE OF ANY GAPS AT THE BOTTOM, SIDES, AND TOP OF THE DOOR TO 1/8 INCH OR LESS USING ONE OF THE FOLLOWING METHODS
 - a. WEATHER-STRIPPING PRODUCTS WITH TENSILE STRENGTH AND FLAMMABILITY RATING PER CBC 708A.4
 - b. DOOR OVERLAPS ONTO JAMBS AND HEADERS
 - c. GARAGE DOOR JAMBS AND HEADERS COVERED WITH METAL FLASHING
- PAPER-FACED INSULATION PROHIBITED IN ATTICS OR OTHER VENTILATED SPACES.
- FENCES OR ANY STRUCTURE WITHIN 5 FEET OF BUILDING SHALL BE CONSTRUCTED PER ONE OF THE FOLLOWING:
 - a. NON-COMBUSTIBLE MATERIAL
 - b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 - c. MATERIAL MEETING SAME FIRE-RESISTIVE STANDARDS AS EXTERIOR WALLS OF BUILDINGS



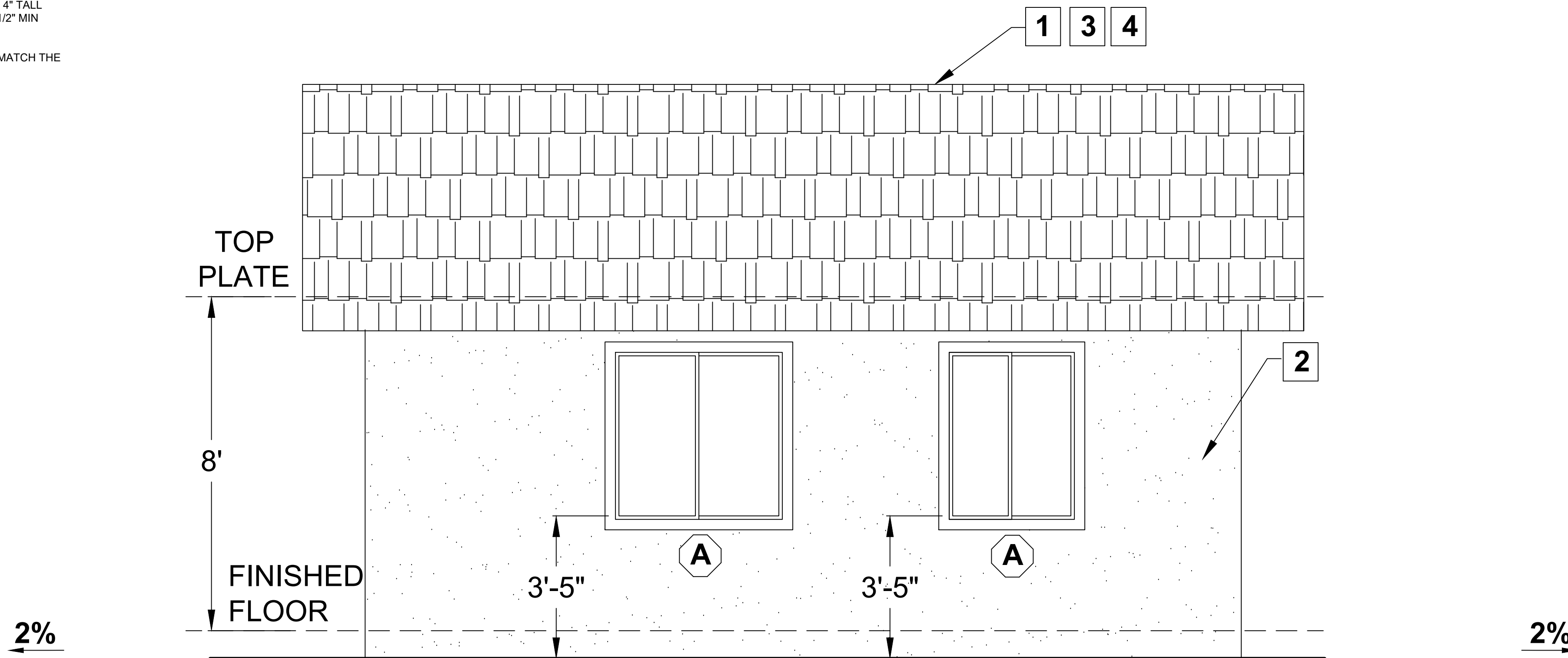
JUAN MANUEL DIARTE
DETACH ADDITIONAL DWELLING UNIT
1523 E 14th St, NATIONAL CITY CA 91950
APN: 557-342-09-00
UTILITY: SDG&E
AJH: NATIONAL CITY

ADU ELEVATIONS

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PROJECT NO. P013		
SHEET NO. A-5		

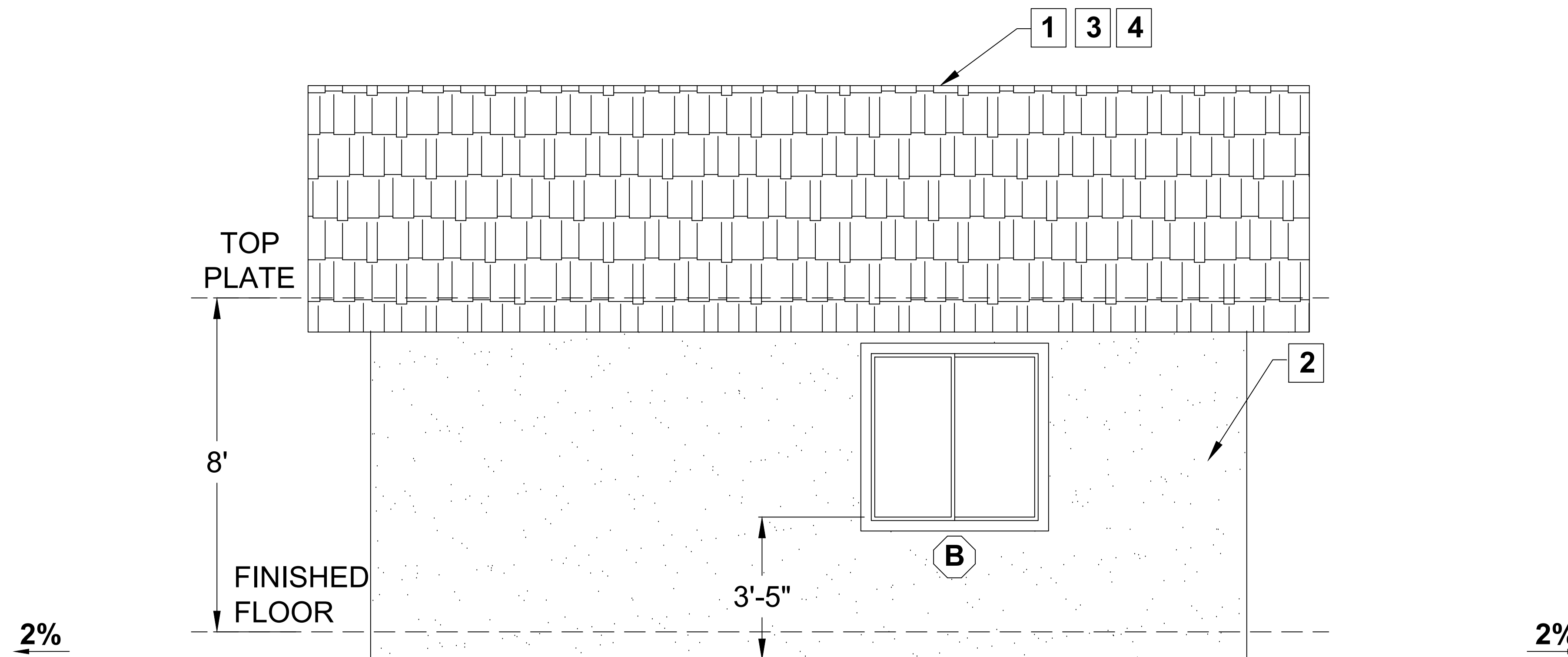
ELEVATIONS
1/2" = 1'-0"

- NOTE:
1. CLEARLY VISIBLE ADDRESS NUMBER WITH 4" TALL LETTERS, WITH 4" TALL LETTERS, WITH A 1/2" MIN STROKE PER CRC R319.
 2. STUCCO OF THE ADU AND ADDITION WILL MATCH THE COLOR OF THE MAIN RESIDENCE.



RIGHT

FINISHED GRADE



LEFT

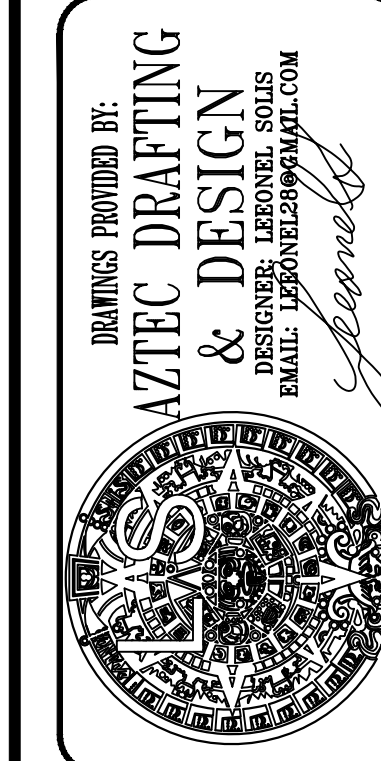
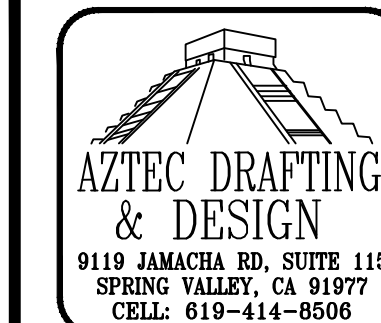
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ELEVATION KEY NOTES

SEE SHEET A3 FOR KEY NOTES

WILDFIRE ZONE PLAN NOTES

1. IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE FOLLOWING MEANS OF PROTECTING SPACES AT EAVES ENDS.
 - a. FIRE-STOPPING WITH APPROVED MATERIALS
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 - c. OTHERWISE CONSTRUCTED TO PREVENT INTRUSION OF FLAMES AND EMBERS
2. EXPOSED VALLEY FLASHINGS SHALL BE CONSTRUCTED WITH NOT LESS THAN 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL INSTALLED OVER A MINIMUM 36-INCH-WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY.
3. ANY ROOF GUTTERS SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS.
4. SKYLIGHTS SHALL BE TEMPERED GLASS.
5. ALL VENTS (ROOF, FOUNDATION, COMBUSTION-AIR, ETC) SHALL RESIST THE INTRUSION OF FLAMES AND EMBERS
6. VENTILATION OPENINGS FOR ENCLOSED ATTICS, EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION OPENINGS, AND VENT OPENINGS IN EXTERIOR WALLS AND EXTERIOR DOORS SHALL BE LISTED TO ASTM E 2886 AND COMPLY WITH ALL OF THE FOLLOWING:
 - a. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST
 - b. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST
 - c. THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 DEGREES FAHRENHEIT (350 DEGREES CELSIUS)
7. EXTERIOR WALL FINISH SHALL COMPLY WITH ONE OF THE FOLLOWING:
 - a. NON-COMBUSTIBLE MATERIAL (STUCCO, CEMENT FIBER BOARD, ETC)
 - STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL COVERING SHALL BE 7/8-INCH THICK
 - NONCOMBUSTIBLE OR FIRE-RETARDANT-TREATED WOOD SHAKE USED AS AN EXTERIOR WALL COVERING SHALL HAVE AN UNDERLAYMENT OF MINIMUM 1/2-INCH FIRE-RATED GYPSUM SHEATHING THAT IS TIGHTLY BUTTED, OR TAPED AND MUDDED, OR AN UNDERLAYMENT OF OTHER IGNITION-RESISTANT MATERIAL APPROVED BY THE BUILDING OFFICIAL.
 - b. IGNITION-RESISTANT MATERIAL
8. PATIO COVER, CARPORT AND TRELLIS CONSTRUCTION WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH ANY OF THE FOLLOWING:
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 - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 - MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE SHEATHING, 4X6 RAFTERS/BEAMS, 6X6 POSTS)
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 - a. FRAMING
 - NON-COMBUSTIBLE MATERIAL
 - 1-HOUR FIRE-RESISTANT-RATED MATERIAL
 - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 - MODIFIED HEAVY TIMBER (MIN 4X8 JOISTS, 4X10 OR 6X8 BEAMS, 6X6 POSTS)
 - b. DECKING AND TREAD MATERIAL (ANY OF THE FOLLOWING):
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10. EXTERIOR GARAGE DOORS SHALL RESIST THE INTRUSION OF EMBERS INTO THE GARAGE BY LIMITING THE SIZE OF ANY GAPS AT THE BOTTOM, SIDES, AND TOP OF THE DOOR TO 1/8 INCH OR LESS USING ONE OF THE FOLLOWING METHODS
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 - b. DOOR OVERLAPS ONTO JAMBS AND HEADERS
 - c. GARAGE DOOR JAMBS AND HEADERS COVERED WITH METAL FLASHING
11. PAPER-FACED INSULATION PROHIBITED IN ATTICS OR OTHER VENTILATED SPACES.
12. FENCES OR ANY STRUCTURE WITHIN 5 FEET OF BUILDING SHALL BE CONSTRUCTED PER ONE OF THE FOLLOWING:
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 - c. MATERIAL MEETING SAME FIRE-RESISTIVE STANDARDS AS EXTERIOR WALLS OF BUILDINGS



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ADU ELEVATIONS

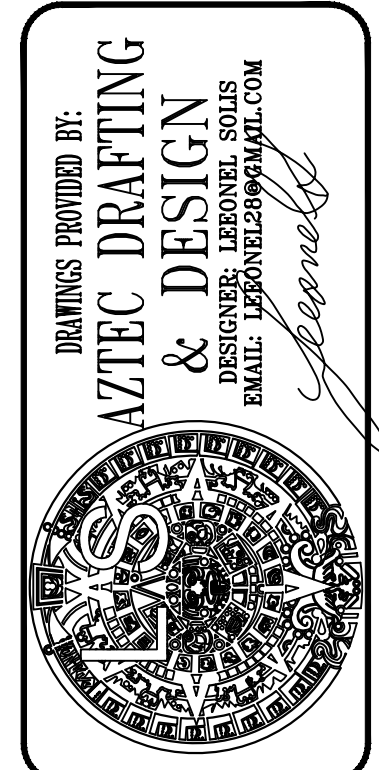
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PROJECT NO.
P013

SHEET NO.
A-6

ELEVATION KEY NOTES

SEE SHEET A3 FOR KEY NOTES

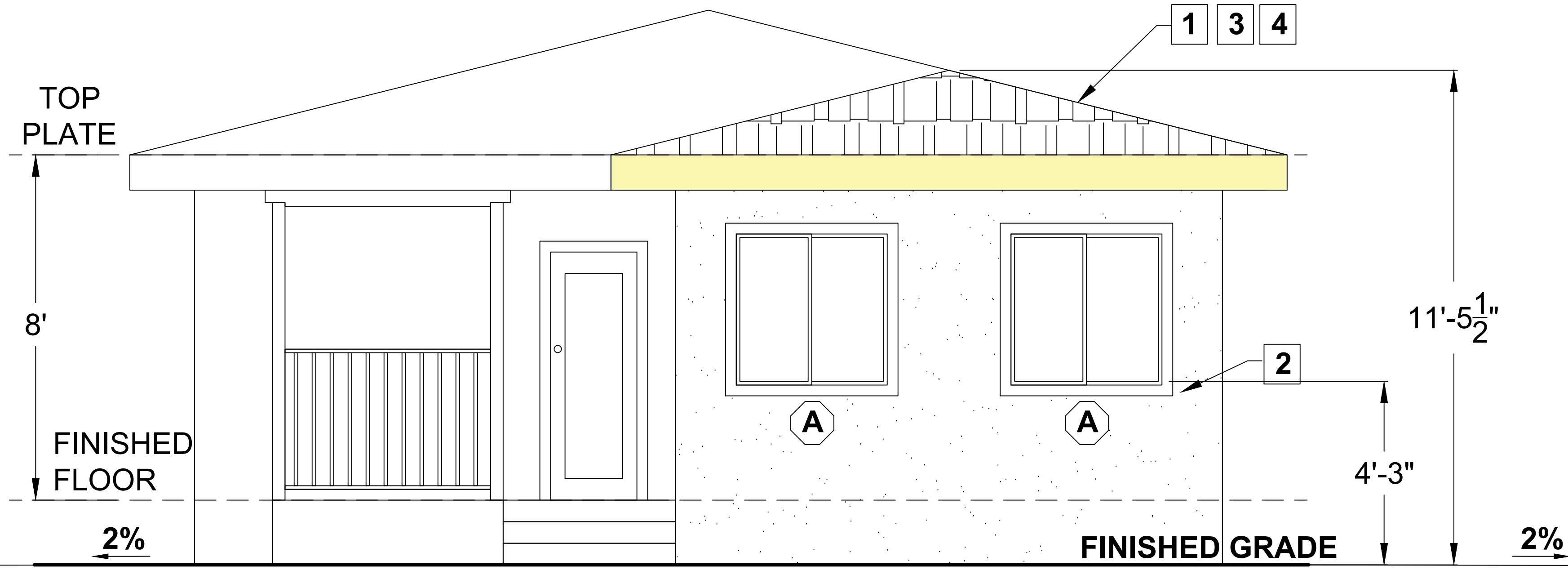


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 9119 JAMACHA RD, SUITE 115
 SPRING VALLEY, CA 91777
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 EMAIL: JDIARTE@AZTECDRAFTING.COM

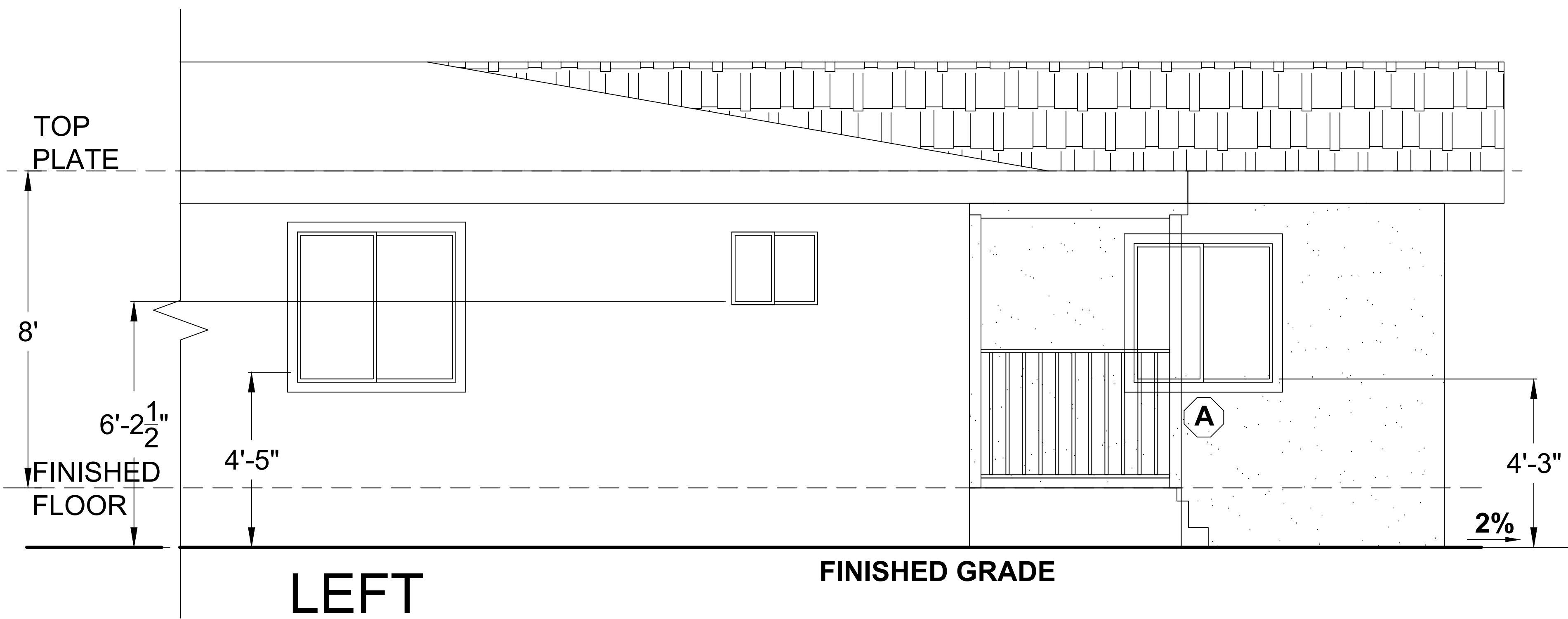
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ADDITION ELEVATIONS

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PROJECT NO. P013	
SHEET NO. A-7	

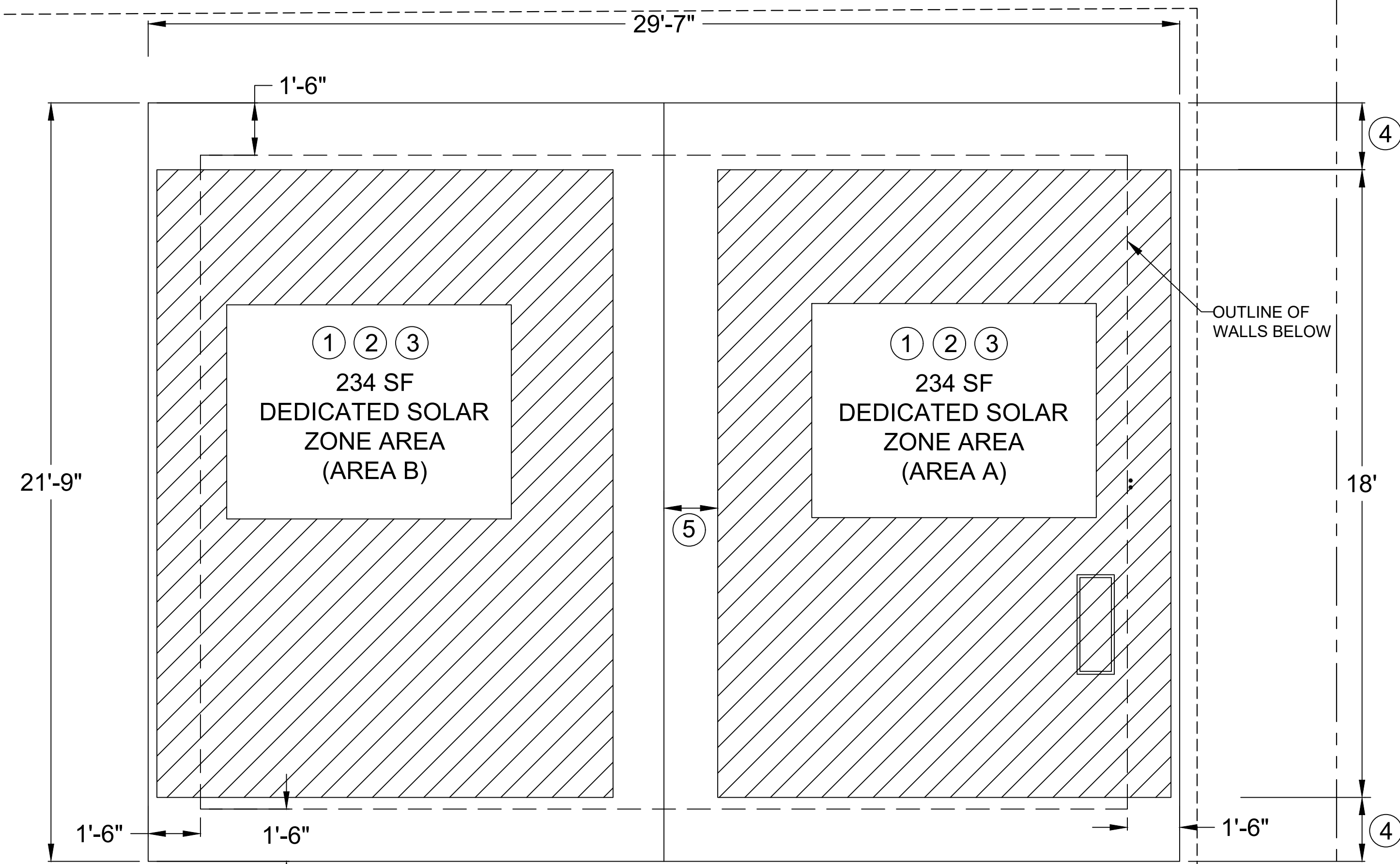


BACK



LEFT

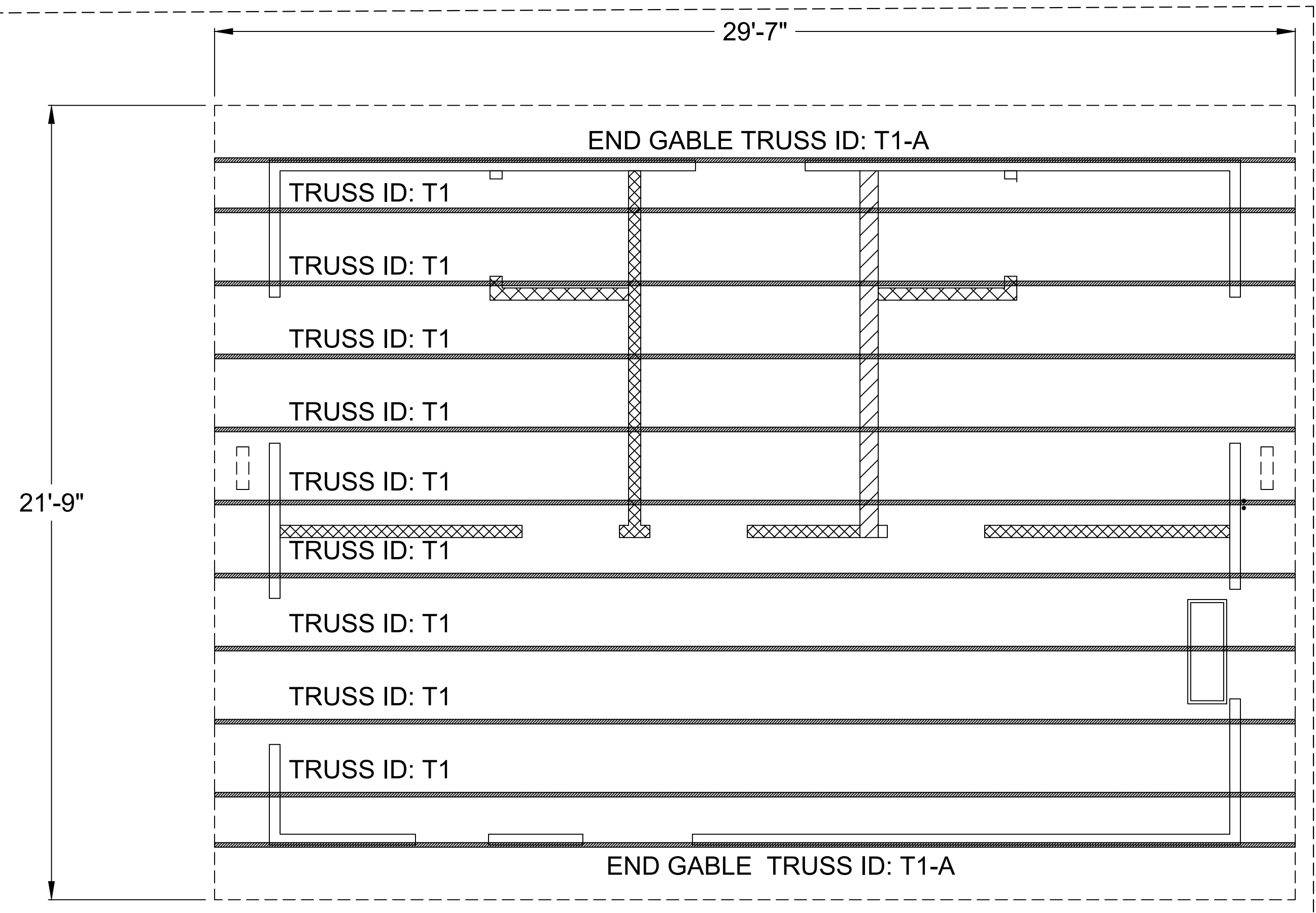
ELEVATIONS
1/2" = 1'-0"



DEDICATED SOLAR ZONE AREA

$\frac{3}{8}" = 1'-0"$

NOTE:
INSTALLATION OF ROOFING SHALL BE IN ACCORDANCE WITH
MANUFACTURER'S SPECIFICATIONS



ROOF PLAN / TRUSS LAYOUT

$\frac{3}{8}" = 1'-0"$

ATTIC VENTILATION REQUIRED

NET FREE CROSS VENTILATION AREA = $\frac{1}{300}$
 VENT AREA REQ'D = $498 \text{ ft}^2 / 300 = 1.66 \text{ ft}^2 \times 144 = 240 \text{ in}^2$

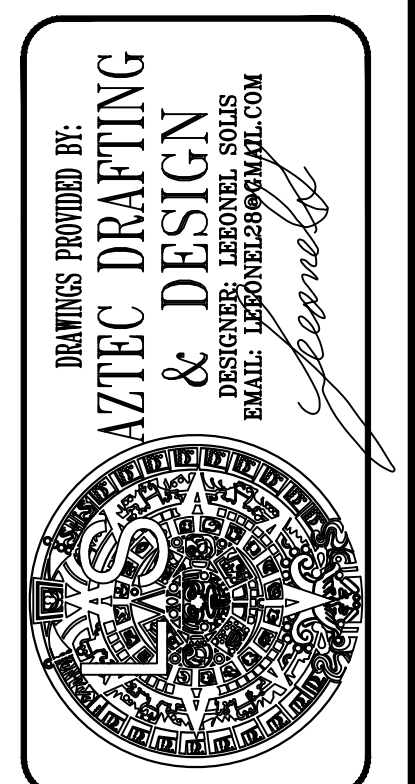
GABLE END VENTS
 NFVA = 110 in^2
 QTY = 2 VENTS
 VENT AREA PROVIDED = $2 \times 110 \text{ in}^2 = 220 \text{ in}^2$

EAVE VENTS
 NFVA = 71 in^2
 QTY = 2 VENTS
 VENT AREA PROVIDED = $2 \times 71 \text{ in}^2 = 142 \text{ in}^2$

TOTAL VENT AREA PROVIDED
 $(220 \text{ in}^2) + (142 \text{ in}^2) = 362 \text{ in}^2 > 240 \text{ in}^2$

SOLAR READY KEY NOTES

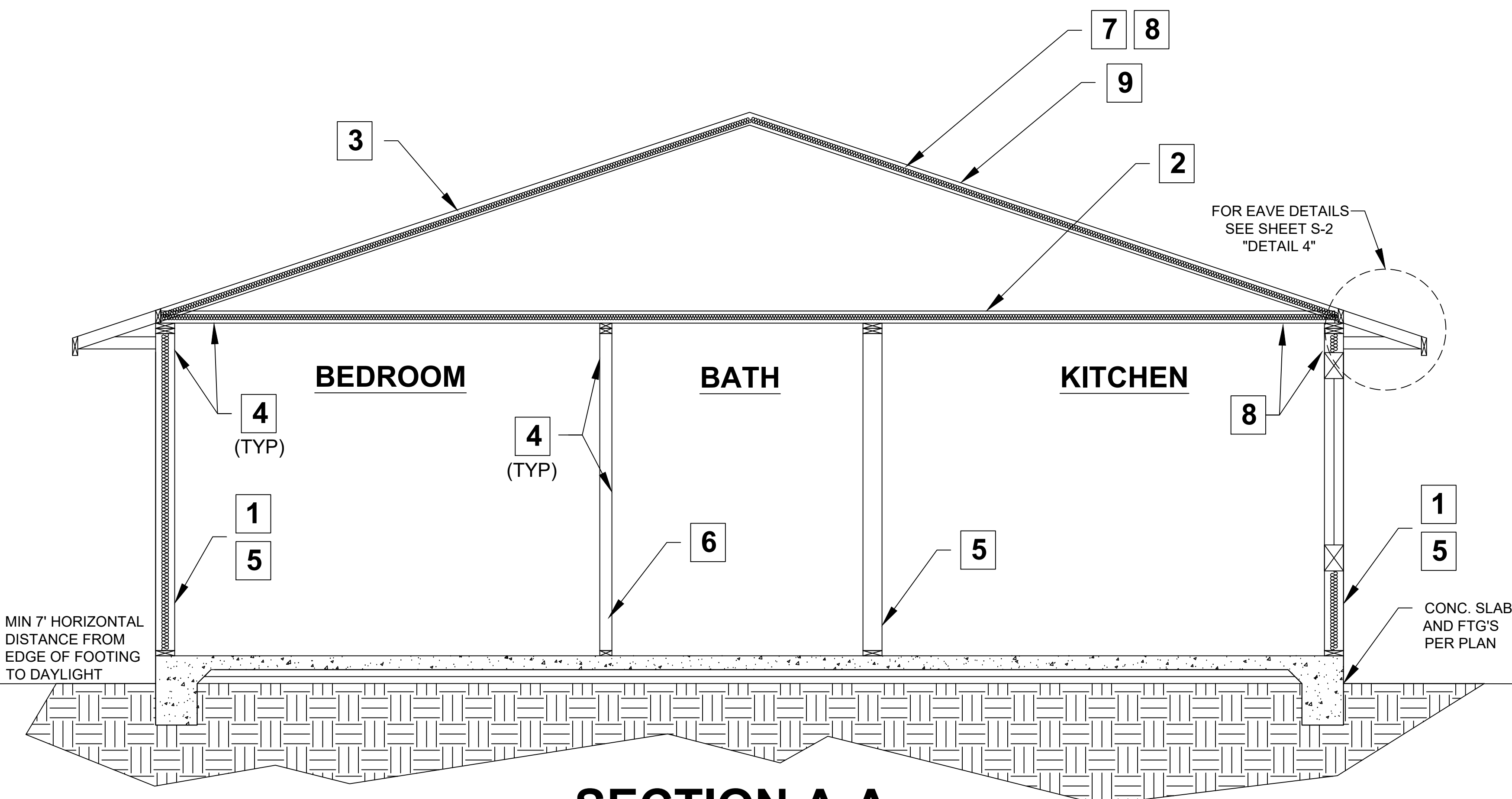
1. MIN 250 S.F. SOLAR ZONE AREA
2. DEDICATED SOLAR ZONE AREA LOCATED BETWEEN 110 AND 270 DEGREES OF TRUE NORTH - USE AREA A OR B AS NEEDED.
3. NO OBSTRUCTIONS - INCLUDING VENTS, CHIMNEYS, SKYLIGHTS, ARCHITECTURAL FEATURES, ROOF-MOUNTED EQUIPMENT - LOCATED WITHIN SOLAR ZONE.
4. 3' MIN FIRE FIGHTER ACCESS
5. 1'-6" SMOKE VENTILATION SETBACK AT RIDGES
6. SOLAR PANEL WILL BE INSTALLED UNDER A DEFERRED SUBMITTAL.



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ROOF PLAN / TRUSS LAYOUT

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PROJECT NO. P013		
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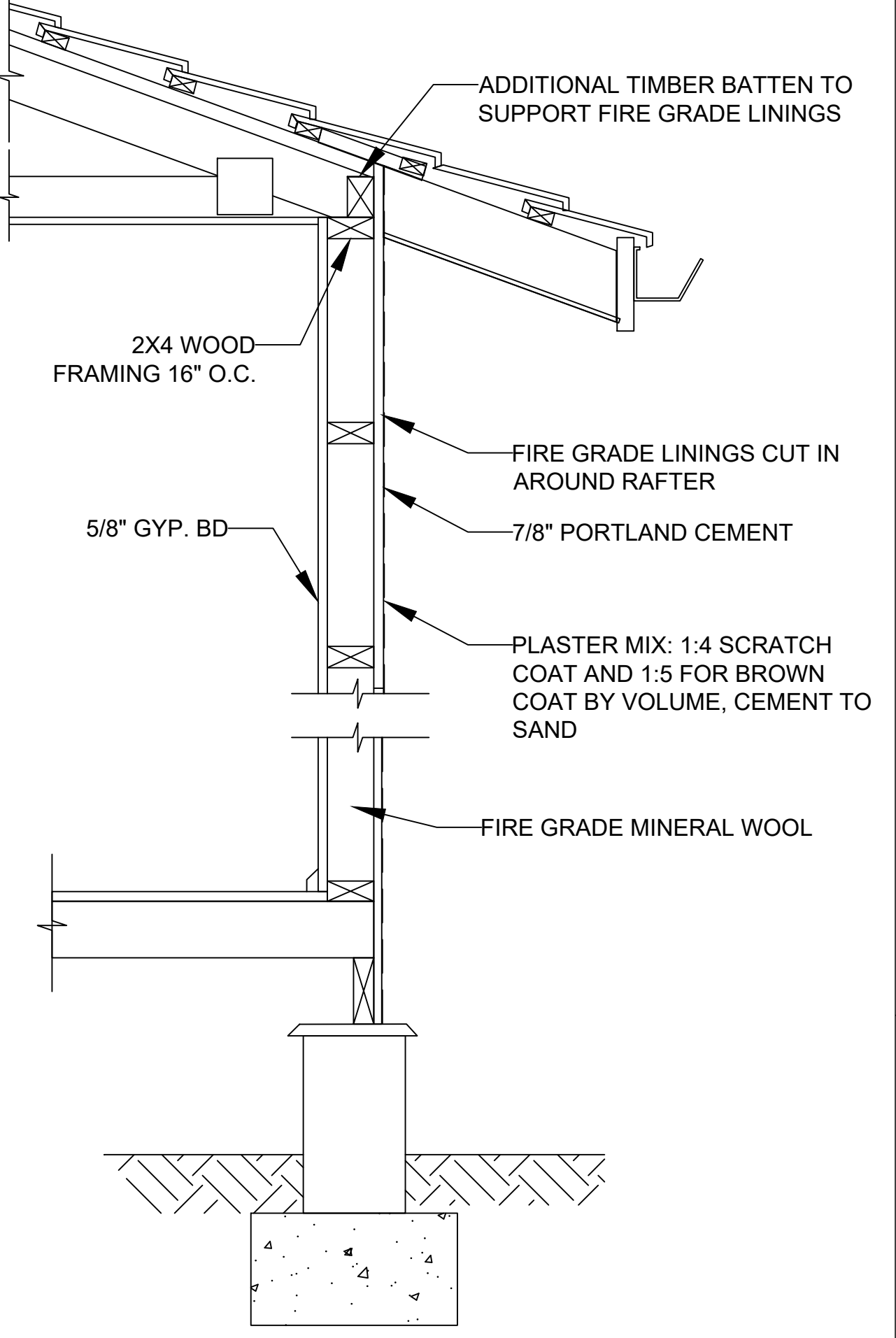


SECTION A-A

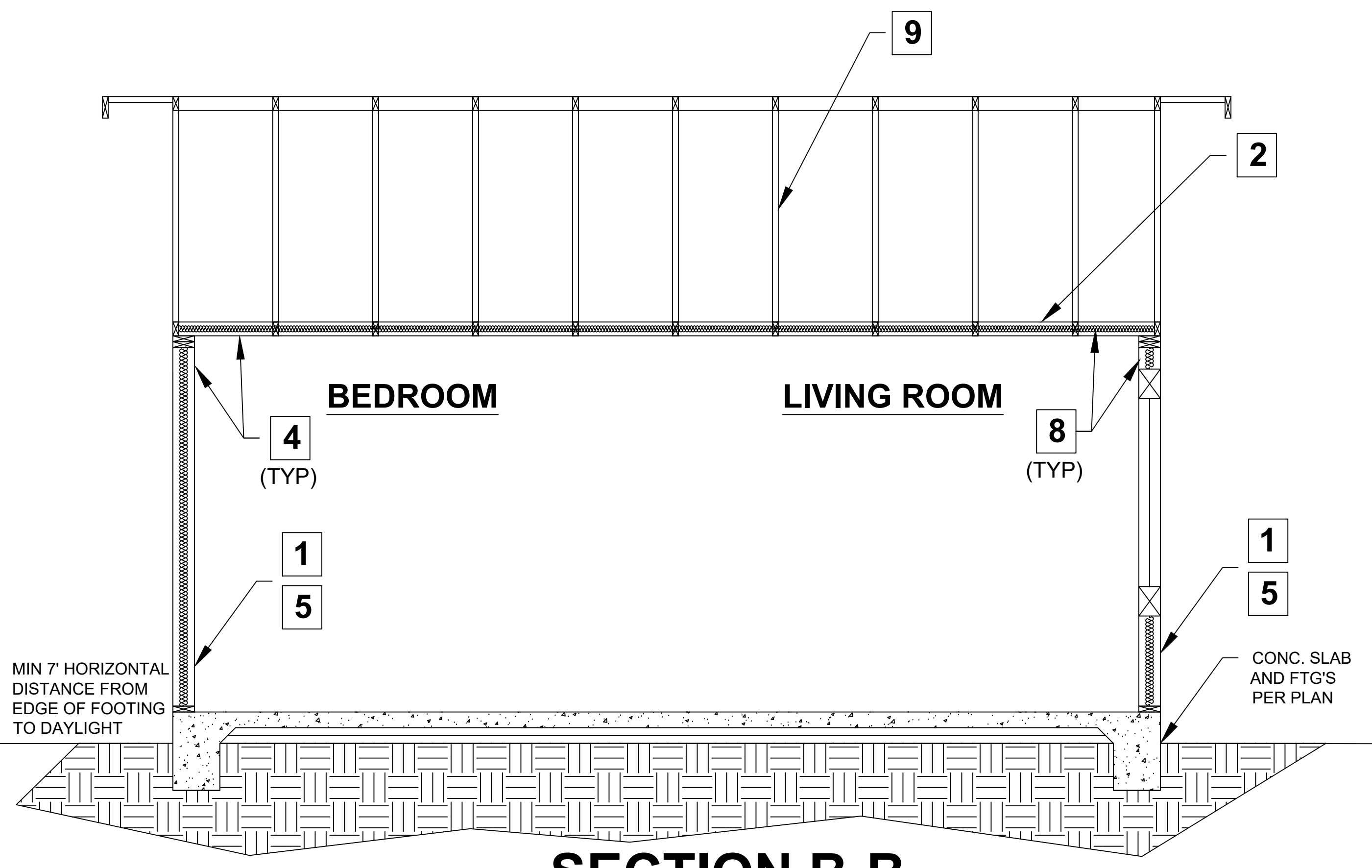
SECTION KEY NOTES

1. WALL INSULATION: R 15
2. CEILING INSULATION: R 30
3. ROOF (TOP CHORD) INSULATION: R 0
4. INTERIOR FINISH: ½" GYPSUM BOARD
5. EXTERIOR WALL/PLUMBING WALL: 2X6 STUD WALL
6. INTERIOR WALL: 2X4 STUD WALL
7. RADIANT BARRIER IS REQUIRED
8. CLIMATE ZONE 14 PROJECT (Y or N) if yes, see below:
A CLASS I OR II VAPOR RETARDER SHALL BE INSTALLED ON THE CONDITIONED SPACE SIDE OF ALL INSULATION IN ALL EXTERIOR WALLS AND VENTED ATTICS
9. MANUFACTURED TRUSSES

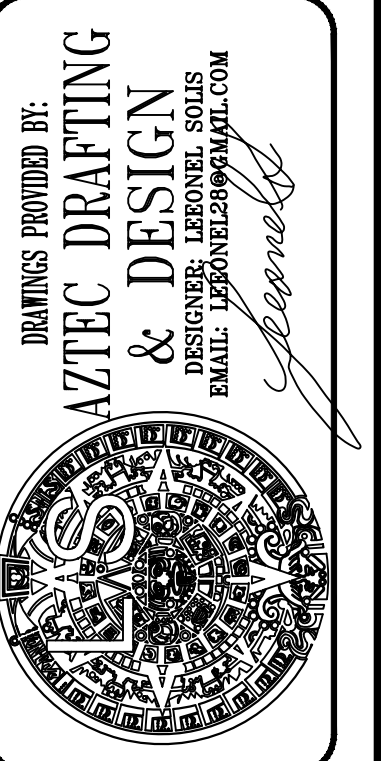
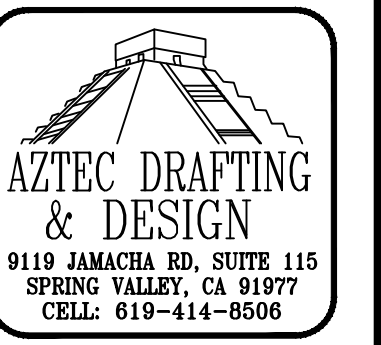
NOTE:
ONE-HOUR FIRE RESISTIVE WALL SHALL
COMPLY WITH CBC TABLE 721.1(2), ITEM 15-3.1



ONE-HOUR FIREWALL
1" = 1'-0"



SECTION B-B



DRRAWINGS PROVIDED BY:
AZTEC DRAFTING & DESIGN
DESIGNED BY: JUAN MANUEL DIARTE
EMAIL: JDIARTE@AZTECDRAFTING.COM

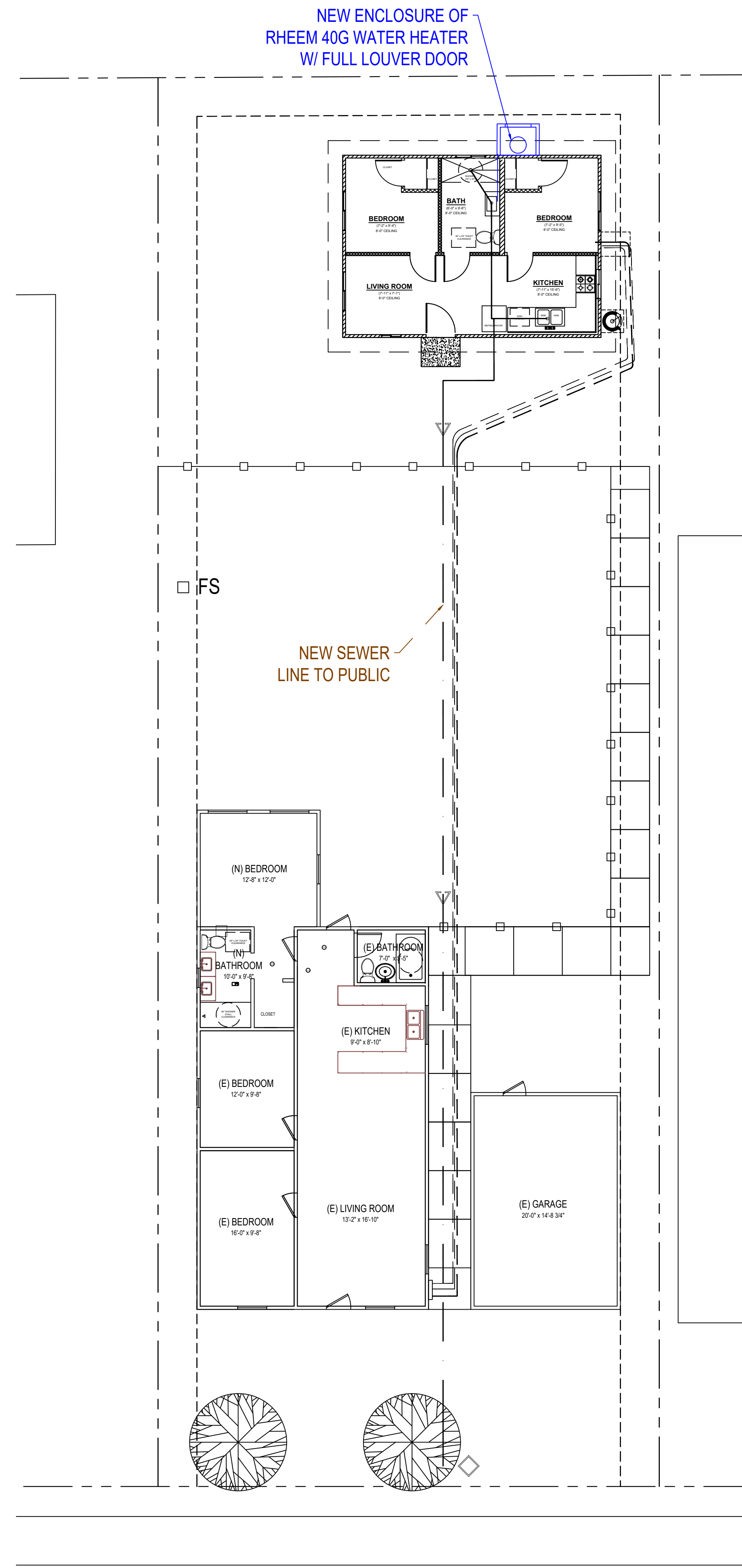
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SECTIONS & DETAILS

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0	02/14/22

PROJECT NO.
P013

SHEET NO.
A-9



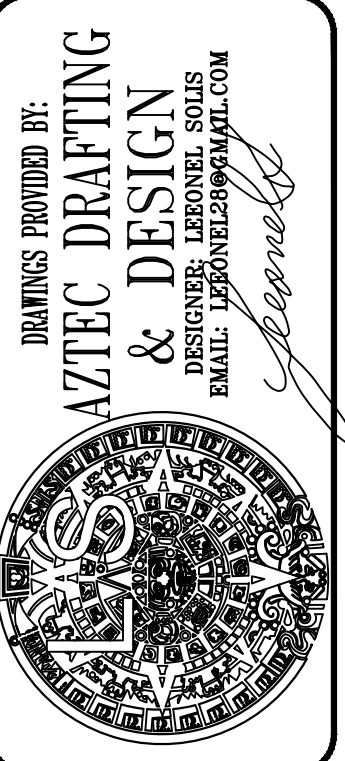
1 **UTILITY LAYOUT PLAN**
3/4"=1'

PLUMBING NOTES

1. MIN. 1/4" PER FOOT SLOPE FOR WASTE PIPES PER SECTION 708 CPC
2. BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.
3. ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
4. EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX(6) INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.
5. ALL DRAINAGE WASTE AND VENT PIPE SHALL COMPLY WITH TABLE 703.2 CPC.
6. SHOWER AND TUB-SHOWER COMBINATIONS SHALL BE PROVIDED WITH MIXING VALVES PER SECTION 408.3 CPC.
7. TOILETS SHALL BE ULTRA-LOW FLUSH TYPE (1.28 G.P.F. MAX.)
8. EACH SHOWERHEAD SHALL NOT EXCEED A WATER FLOW OF 1.8 GPM.
9. KITCHEN SINK FAUCET SHALL NOT EXCEED A WATER FLOW 1.8 GPM.
10. EACH LAVATORY FAUCET SHALL NOT EXCEED A WATER FLOW OF 1.2 GPM.
11. ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
12. COPPER PIPING FOR ALL POTABLE WATER SYSTEMS.

GENERAL REQUIREMENTS

1. ALL SURFACE WATER TO DRAIN AWAY FROM BUILDING AND PROPERTY LINE TO ALLEY OR STREET.
2. CONTRACTOR TO COMPLY WITH ALL OSHA REQUIREMENTS.
3. STATE HEALTH & SAFETY CODE SEC. 17921.9 BANS THE USE OF CHLORINATED POLYVINYL CHLORIDE (CPVC) FOR INTERIOR WATER-SUPPLY PIPING.
4. VOC'S ARE TO BE DOCUMENTED FOR ADHESIVES, PAINTS AND COATINGS, CARPET, COMPOSITION WOOD PRODUCTS. DOCUMENTATION TO BE PROVIDED BY PRODUCT CERTIFICATION AND SPECIFICATIONS. CHAIN OF CUSTODY CERTIFICATIONS, OR OTHER MEANS ACCEPTABLE TO THE ENFORCING AGENCY. CGBSC 4.504.2.
5. ALL SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, SHALL BE CAPABLE OF ENCOMPASSING A 30 INCH CIRCLE.
6. PERMANENT VACUUM BREAKERS SHALL BE INCLUDED WITH ALL NEW HOSE BIBS.
7. ALL ABS AND PVC PIPING AND FITTINGS SHALL BE ENCLOSED WITHIN WALLS AND FLOORS COVERED WITH 'TYPE 'X' GYPSUM BOARD OR SIMILAR ASSEMBLIES THAT PROVIDE THE SAME LEVEL OF FIRE PROTECTION. PROTECTION OF MEMBRANE PENETRATIONS IS NOT REQUIRED.
8. SHOWER COMPARTMENTS AND BATHTUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A NON-ABSORBENT SURFACE THAT EXTENDS TO A HEIGHT OF NOT LESS THAN 6-FEET ABOVE FLOOR. (CRC R307.2)

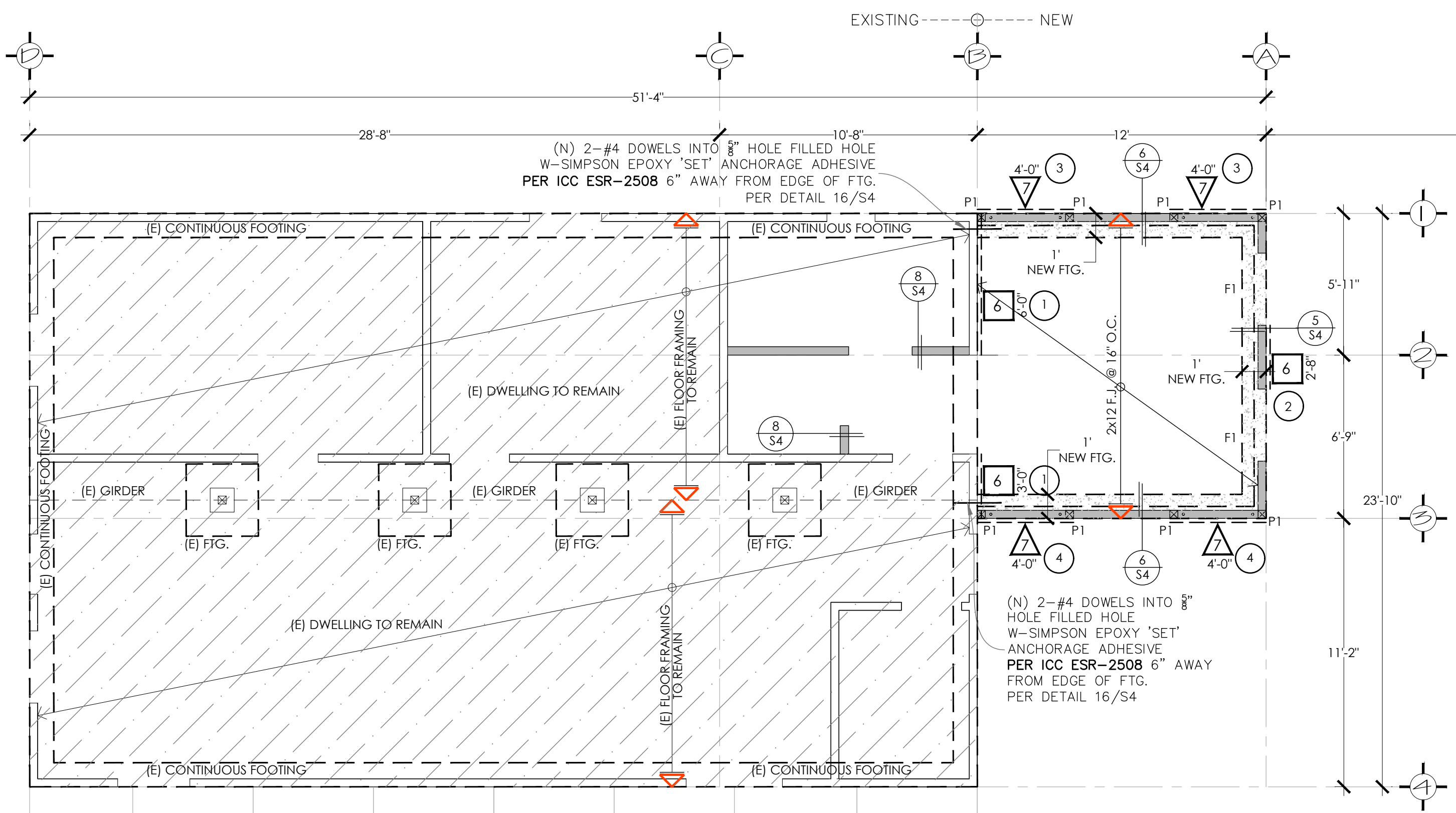


DRAWINGS PROVIDED BY:
AZTEC DRAFTING & DESIGN
 9119 JAMACHA RD, SUITE 115
 SPRING VALLEY, CA 91977
 CELL: 619-414-8508
 EMAIL: JLD@AZTECDRAFTING.COM

JUAN MANUEL DIARTE
 DETACH ADDITIONAL DWELLING UNIT
 1523 E 14th St, NATIONAL CITY CA 91950
 APN: 557-342-09-00
 UTILITY: SDG&E
 AJH: NATIONAL CITY

UTILITY LAYOUT

REVISION		
0	-	02/14/22
PROJECT NO. P013		
SHEET NO. A-10		

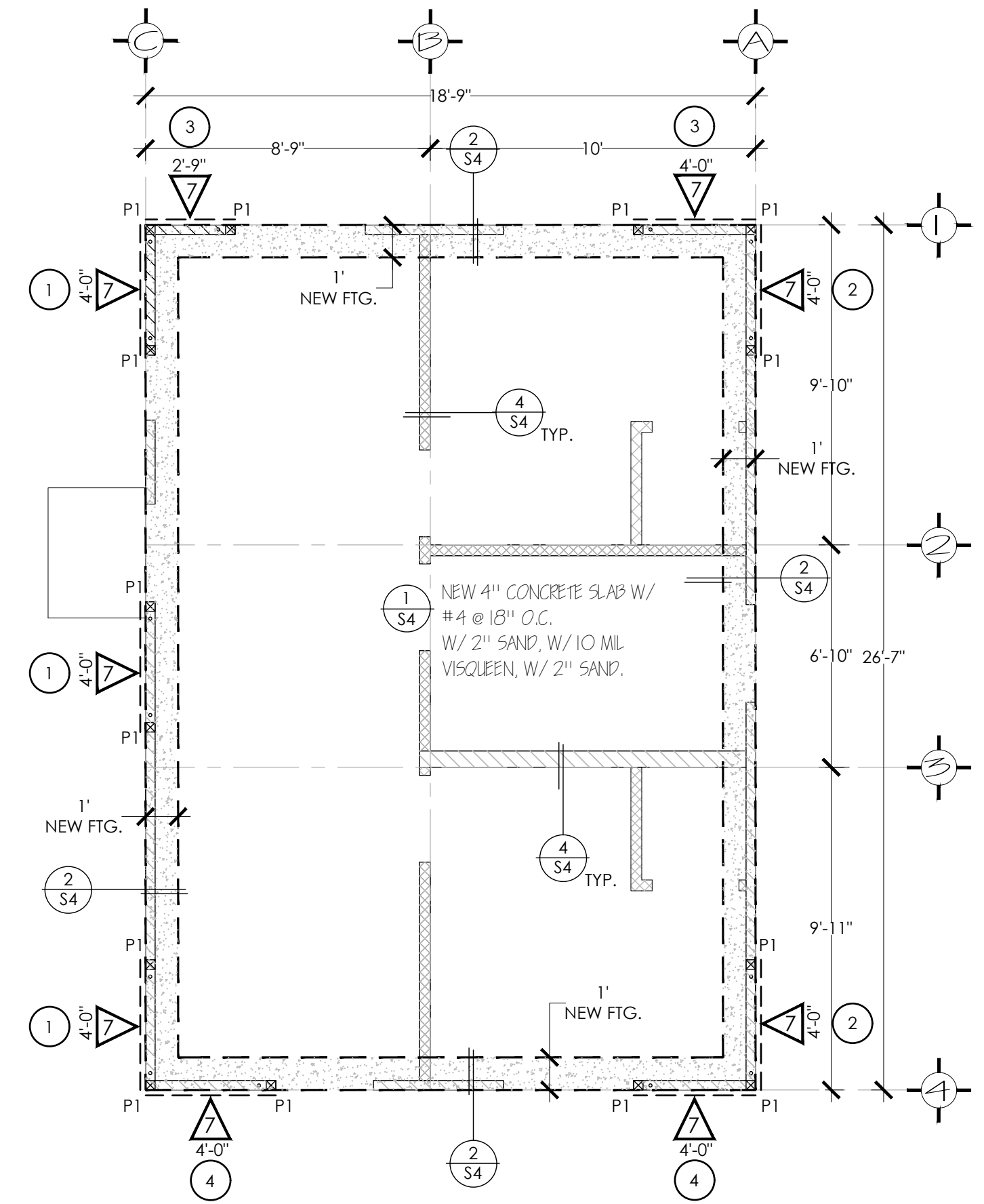


KEY LEGEND	
CONT. FIG.	12" X 18" 2 #4 T. & B.
F1	24" X 48" X 12" #4 @ 12" O.C. E.W.
P1	4" X 4" WOOD POST W/HDU2

ALL BEAM TO COLUMN CONNECTIONS SHALL USE SIMPSON COLUMN CAPS CONNECTORS OR CUSTOM SIMILAR, PER DETAIL 3/S1.1

WALLS LEGEND	
	PROPOSED WOOD-FRAMED WALLS USING 2X4 STUDS @ 16" O.C. MAX. 8'-0" HIGH PER CRC SECTION R602.3.1
	EXISTING WOOD-FRAMED WALLS TO REMAIN THE SAME.

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



FOUNDATION PLAN ADU
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES:

- REFER TO SHEETS S1 FOR GENERAL NOTES & STANDARD DETAILS. THESE NOTES & DETAILS SHALL BE USED WHERE APPLICABLE WHETHER SPECIFICALLY REFERENCED OR NOT.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
 - ALL DIMENSIONS NOT SHOWN.
 - ALL OPENINGS NOT SHOWN.
 - ALL NON-BEARING WALL NOT SHOWN.
- EXTERIOR WALLS ARE 2x4 AT 16" O.C AND 2x6's @ 16" O.C. AT STAIRS
- a) THE STRUCTURE WILL BE LOCATED ON NATIVE/UNDISTURBED

SOIL SIGNATURE _____ LICENSED ENGINEER

b) IF THE BUILDING INSPECTOR SUSPECTS FILL, EXPANSIVE SOIL OR ANY GEOLOGIC INSTABILITY BASED UPON OBSERVATION OF THE FOUNDATION EXCAVATION, A SOILS OR GEOLOGICAL REPORT, AND RESUBMIT OF PLANS TO PLAN CHECK TO VERIFY THAT THE REPORT RECOMMENDATIONS HAVE BEEN INCORPORATED, MAY BE REQUIRED.

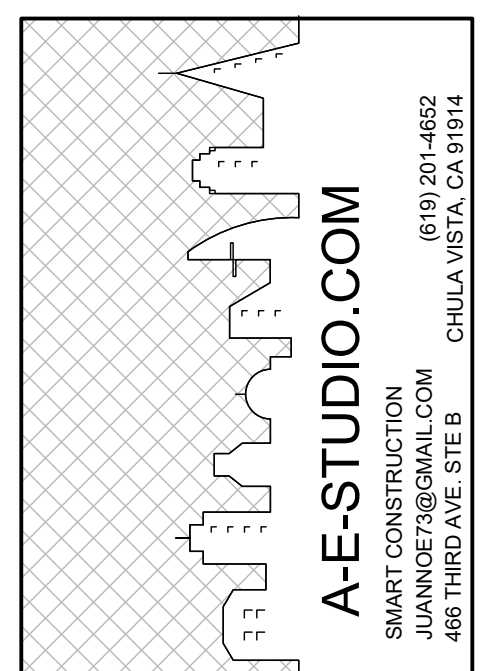
5. PROVIDE A MIN. OF 2 BOLTS PER PIECE OF SILL OR WOOD PLATE. ONE BOLT SHALL BE LOCATED NOT MORE THAN 12" OR LESS THAN 7 BOLT DIAMETER FROM EA. END OF THE PIECE OF SILL OR WOOD PLATES. BOLTS SHALL BE INSTALLED W/ PROPERLY TIGHTENED NUTS & WASHERS

6. PROVIDE STEEL WASHERS OF MIN. 3" X 3" X 1/4" THICKNESS AT EACH WOOD PLATE OR SILL BOLT.

7. SHEAR-WALL PER SCHEDULE ON S1.1 SHEET

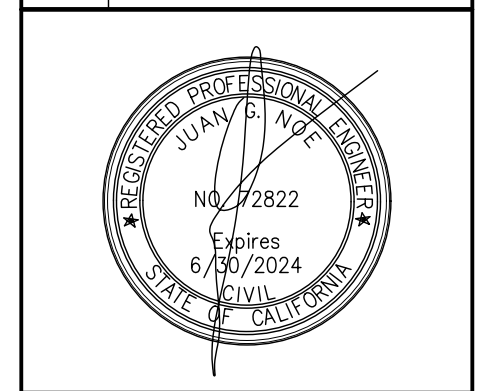
* ANY DIFFERENCES BETWEEN PLANS AND REAL DIMENSIONS OR MATERIALS SHALL BE REPORTED IMMEDIATELY TO THE STRUCTURAL ENGINEER.

FASTENERS IN PRESERVATIVE-TREATED WOOD AND FIRE-RETARDANT WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.



Date February 17, 2023

REVISIONS	

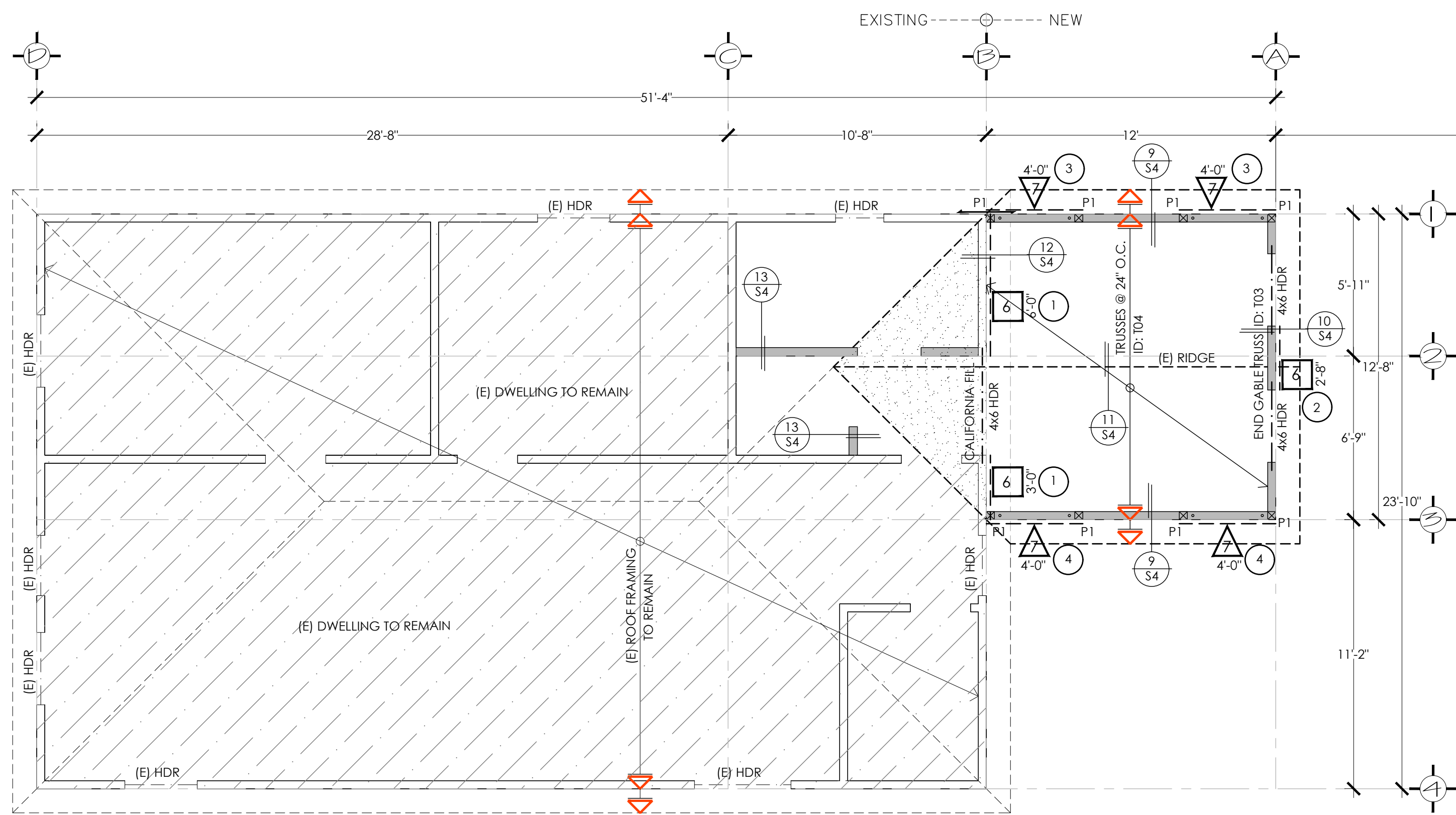


ADDITION & NEW ADU
1523 E 14th ST, NATIONAL CITY, CALIFORNIA 91950

02-17-2023

FOUNDATION PLAN

S2



TYP. ROOF DIAPH.
 1/2" PLYWD. INDEX (S2/16)
 10d @ 4" E.N. & B.N.
 10d @ 12" F.N.

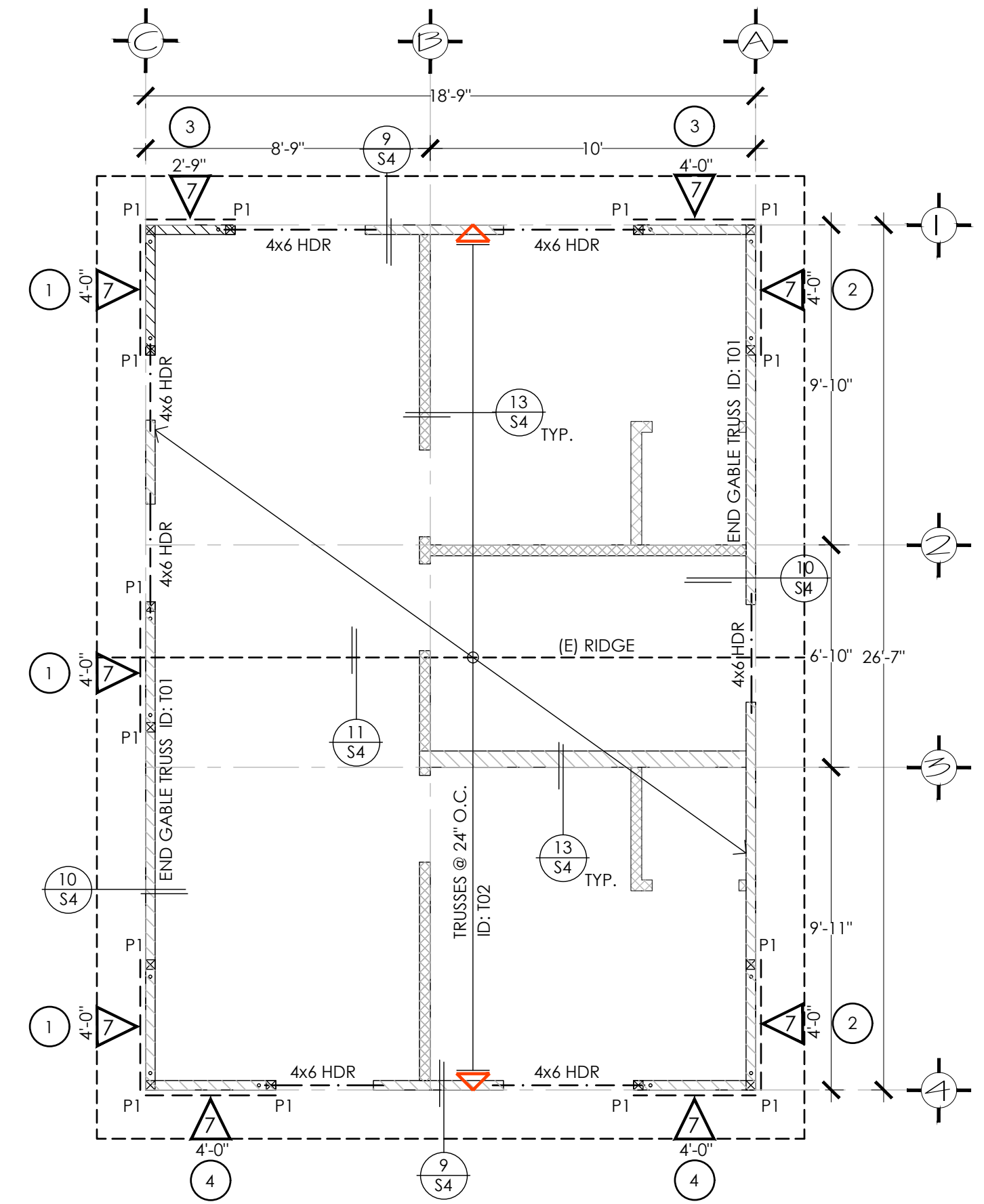
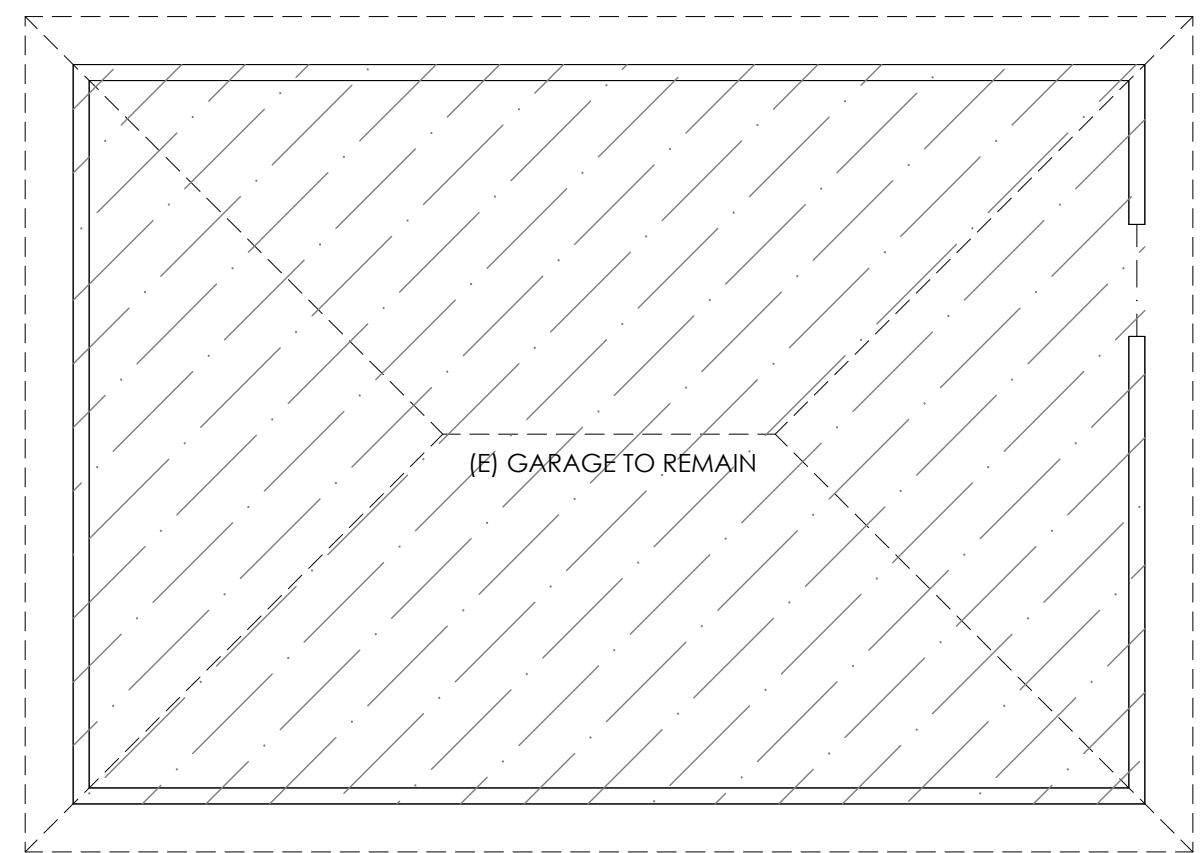
"DIAPHRAGM SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH W/ THE SURFACE OF THE SHEATHING"

KEY LEGEND	
P1	4"x4" WOOD POST
HDR-01	4x6 HDR
HDR-02	4x8 HDR
HDR-03	4 x 12 BM

ALL BEAM TO COLUMN CONNECTIONS SHALL USE SIMPSON COLUMN CAPS CONNECTORS OR CUSTOM SIMILAR, PER DETAIL 3/S1.1

WALLS LEGEND	
	PROPOSED WOOD-FRAMED WALLS USING 2X4 STUDS @ 16" O.C. MAX. 8'-0" HIGH PER CRC SECTION R602.3.1
	EXISTING WOOD-FRAMED WALLS TO REMAIN THE SAME.

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



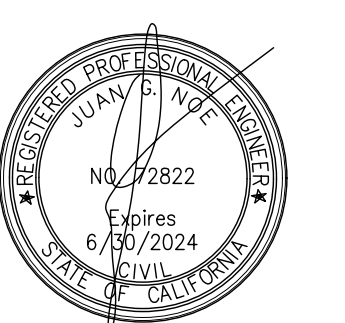
ROOF FRAMING PLAN ADU
 SCALE: 1/4" = 1'-0"

FRAMING NOTES:

- REFER TO SHEETS S1.1 FOR GENERAL NOTES & STANDARD DETAILS. THESE NOTES & DETAILS SHALL BE USED WHERE APPLICABLE WHETHER SPECIFICALLY REFERENCED OR NOT.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
 - ALL DIMENSIONS NOT SHOWN.
 - ALL OPENINGS NOT SHOWN.
 - ALL NON-BEARING WALL NOT SHOWN.
- STUDS= 2X4's @ 16" O.C. WOOD STUDS WHERE APPLICABLE
- INDICATES SHEAR WALL MARK FROM THIS LEVEL TO LEVEL ABOVE PER SHEAR WALL SCHEDULE ON S1 PROVIDE NON-SHEAR PLYWOOD ADJACENT TO SHEAR PANELS IN ORDER TO PROVIDE A FLUSH FINISH.
 - INDICATES SHEAR WALL PANEL APPROX. MIN. LENGTH IF NOT SHOWN, THEN PROVIDE PLYWOOD ON ENTIRE FACE.
 - INDICATES SHEAR WALL PANEL NUMBER PER STRUCTURAL CALCULATIONS
- | | |
|-----|---------------------------------------|
| (B) | INDICATES BEAM DIRECTLY BELOW JOISTS. |
| (F) | INDICATES BEAM FLUSH W/ JOISTS. |
| (H) | INDICATES HEADER. |
| (L) | INDICATES LINTEL. |
- FOR POSTS, POST TO BEAM CONNECTION SEE UNO
- DO NOT CUT, NOTCH, DRILL, BORE, SHAVE, TAPER OR FOR ANY REASON MODIFY PRE-ENGINEERED/MANUFACTURED STRUCTURAL ELEMENTS SUCH AS GLUED-LAMINATED MEMBERS, PARALAMS, MICROLAMS, I-JOIST, LIGHT GAUGE METAL MEMBERS AND OTHER SIMILAR TIMBER OR STEEL PRODUCTS OR A LETTER OF CERTIFICATION FROM THE MANUFACTURE'S ENGINEER WITH DETAIL SIGNED AND STAMPED IS ISSUED AND AUTHORIZED BY THE PROJECT ENGINEER OF RECORD AND APPROVED BY THE CITY OF SAN DIEGO BUILDING OFFICIAL.

Date February 17, 2023

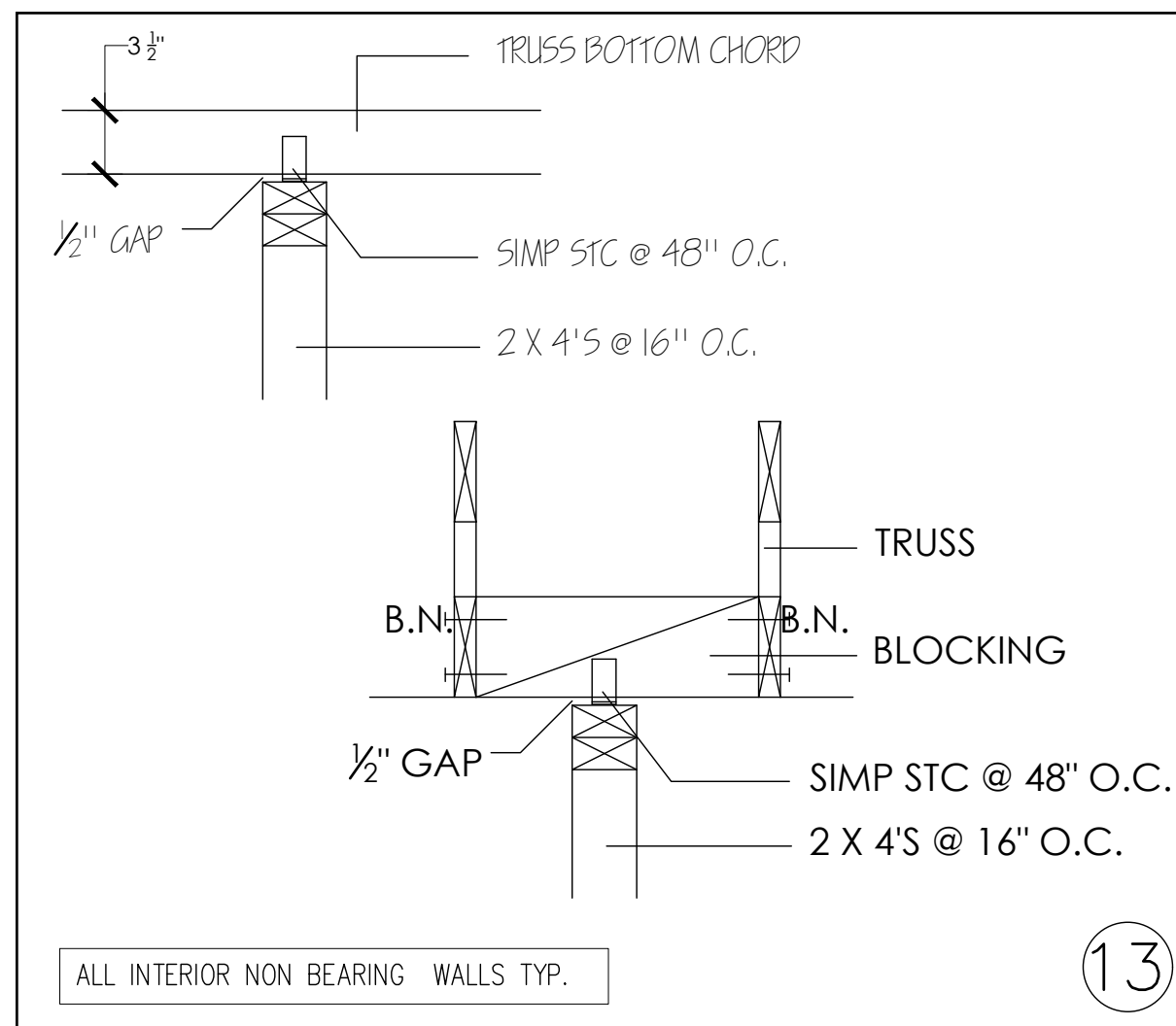
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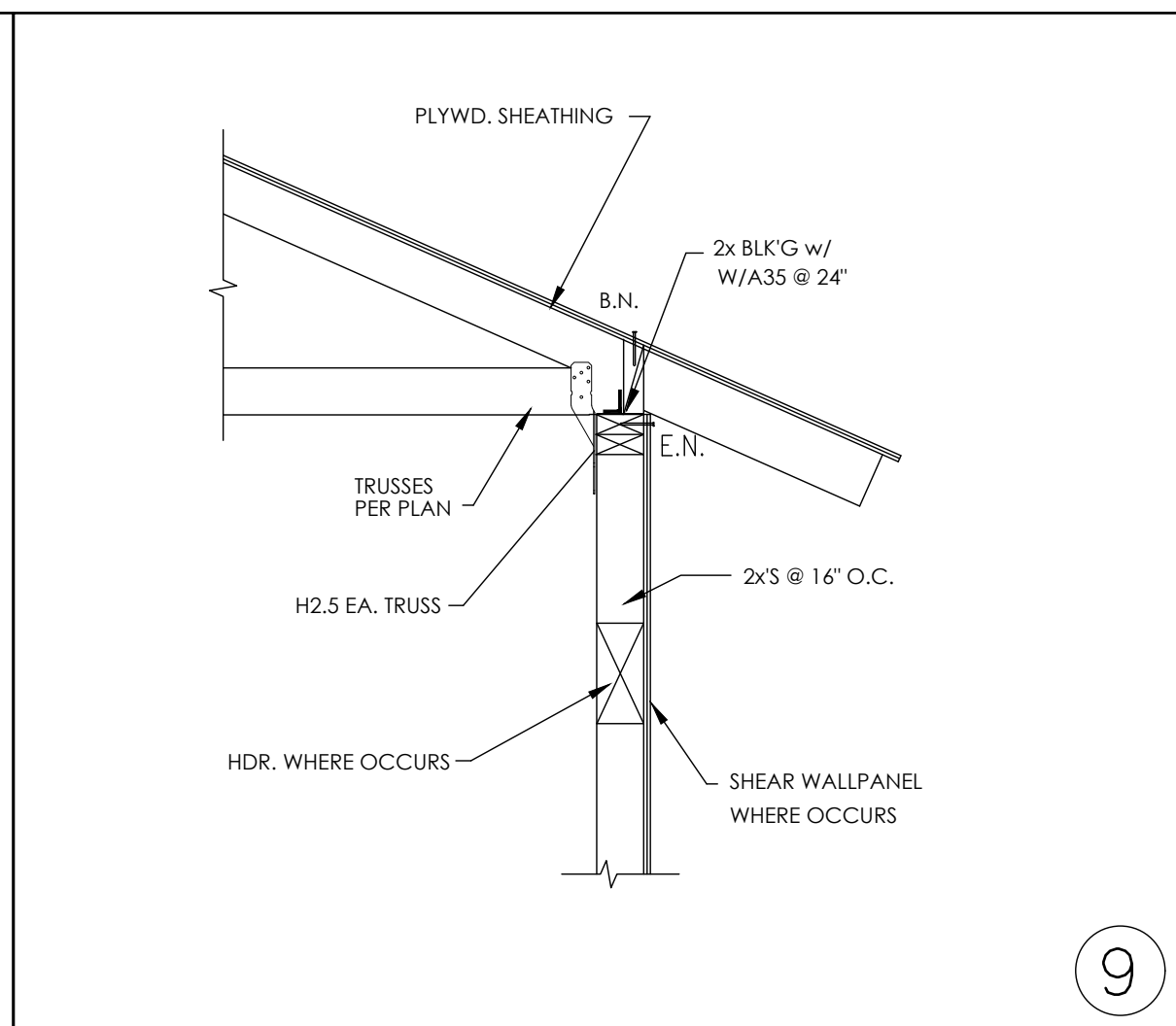
02-17-2023

ROOF FRAMING PLAN

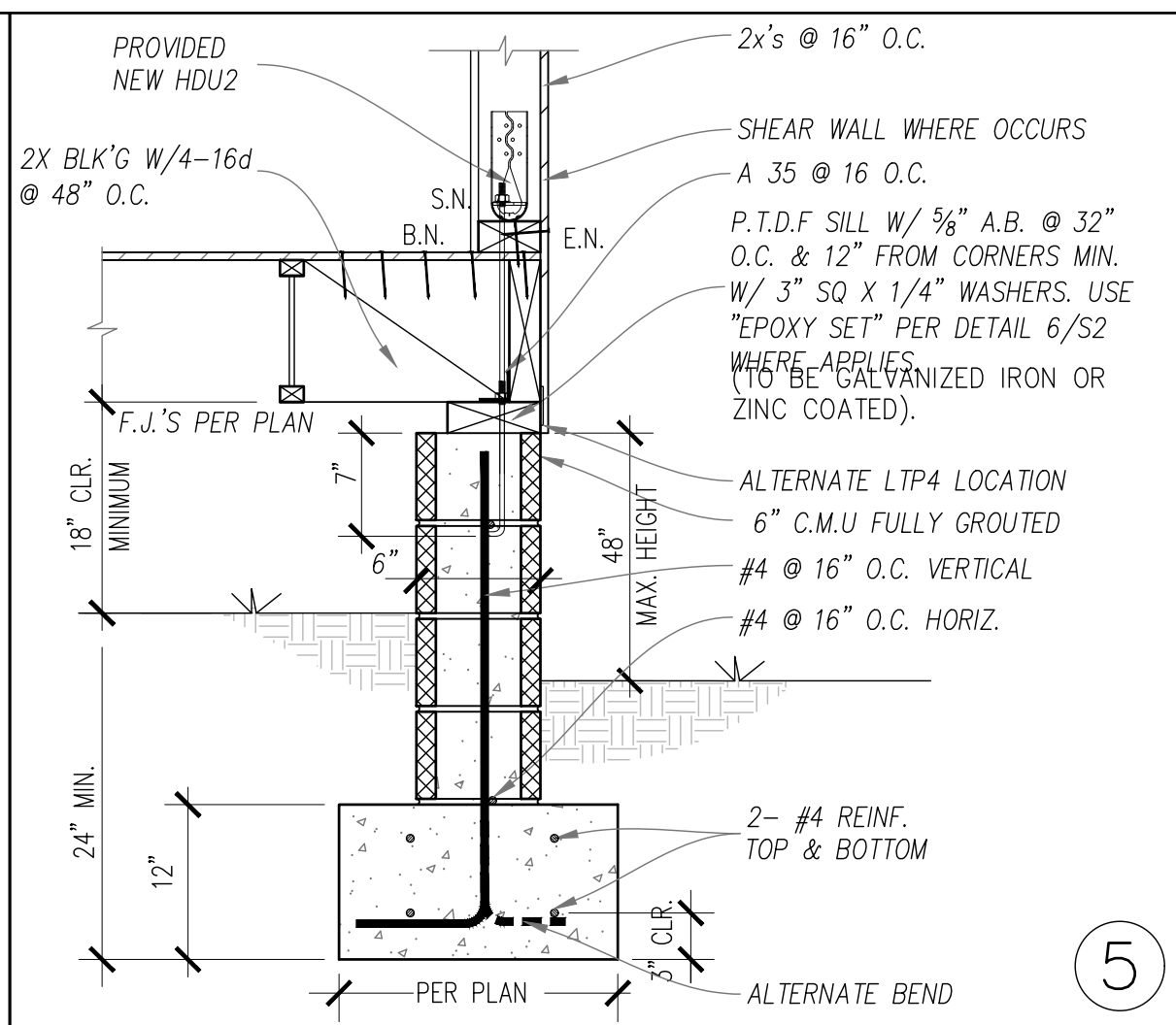
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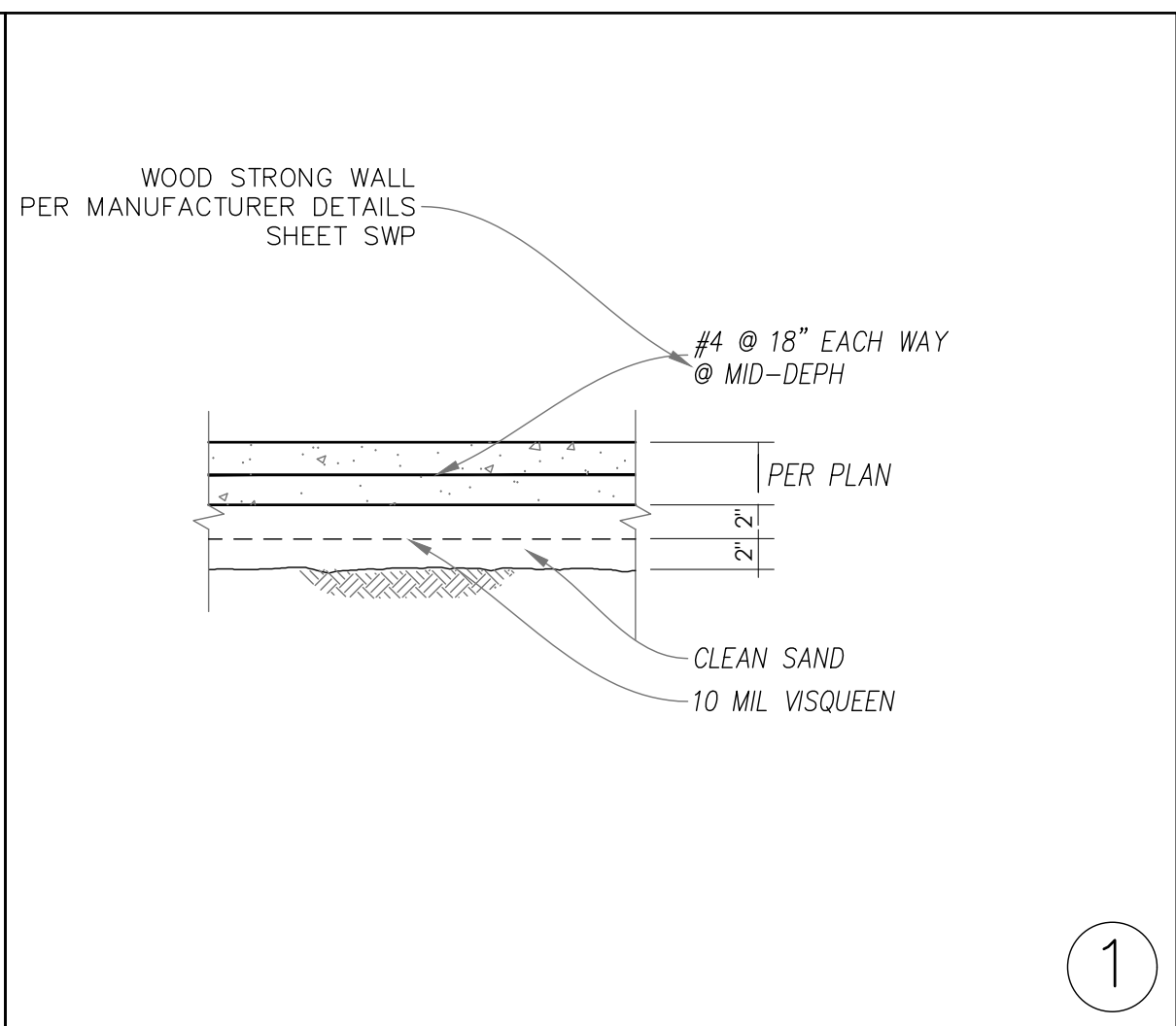
ALL INTERIOR NON BEARING WALLS TYP. 13



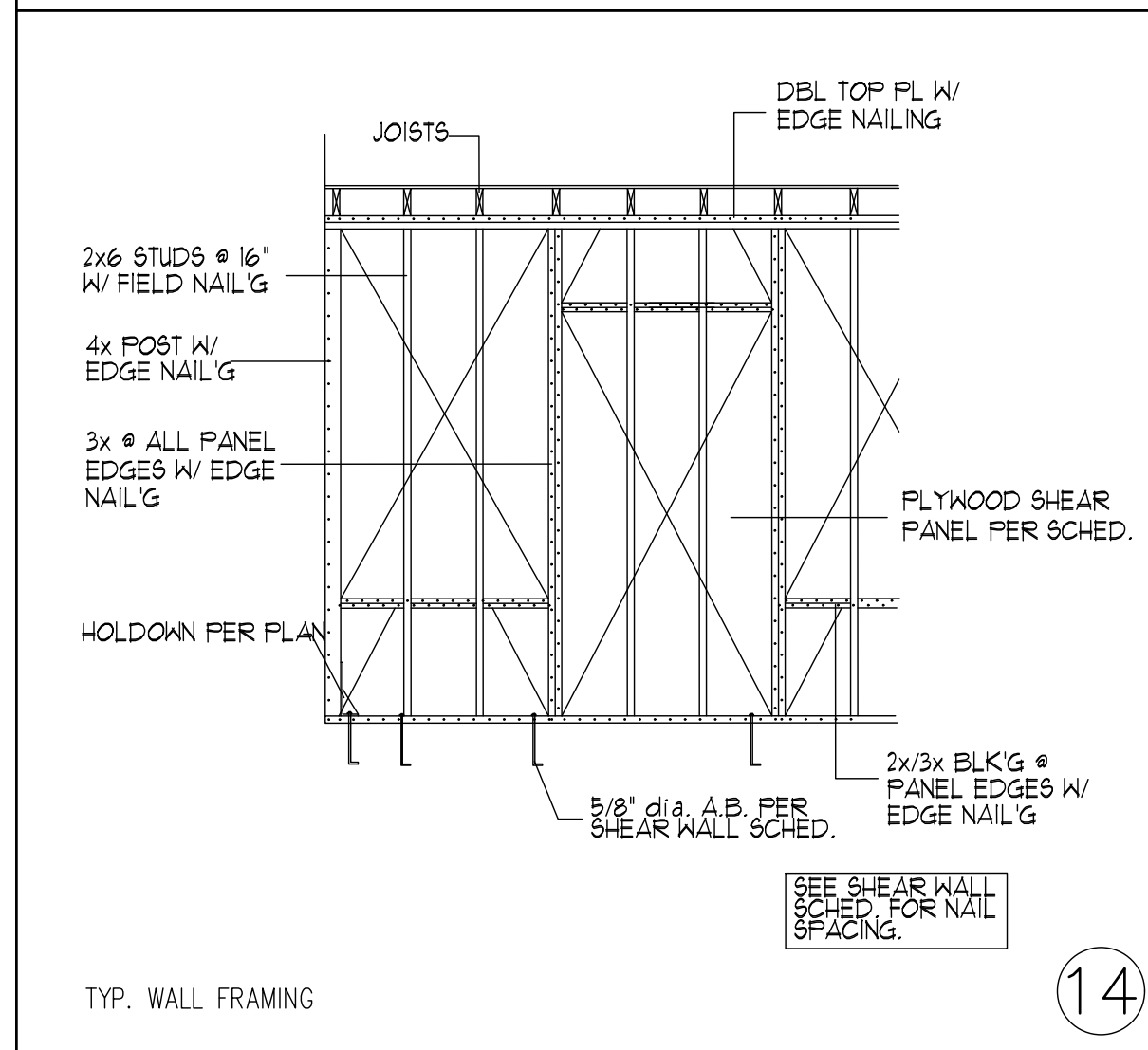
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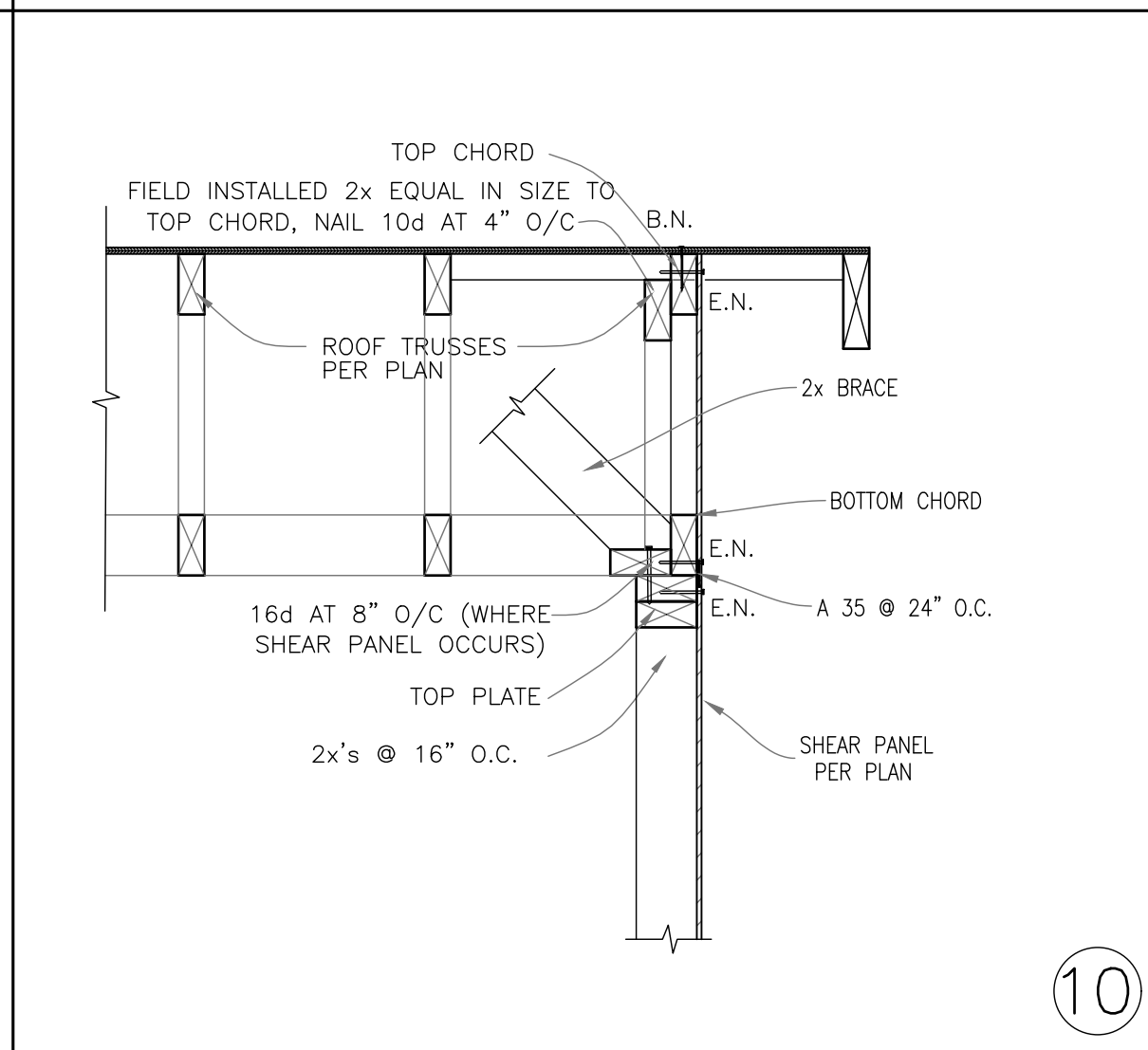
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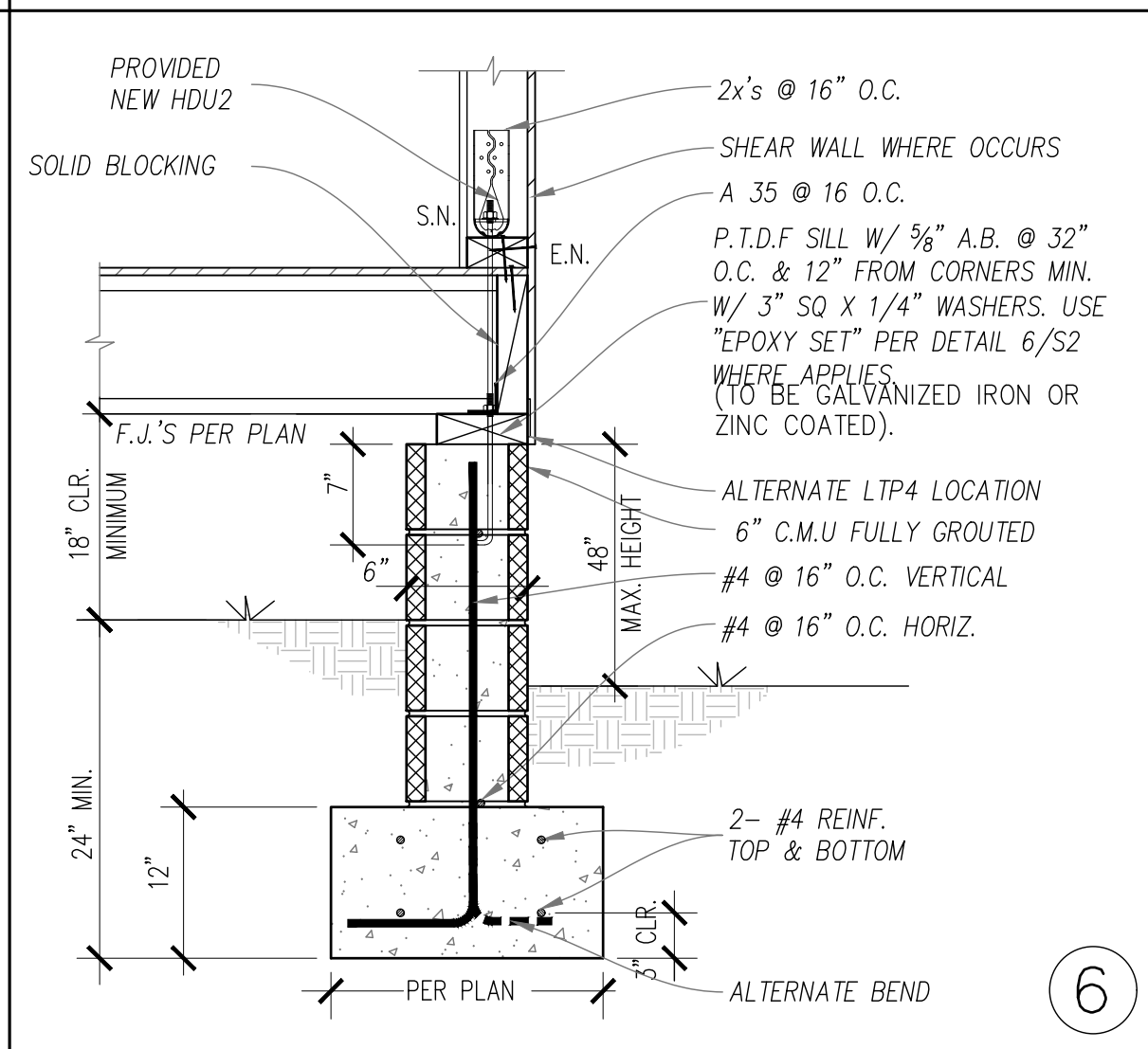
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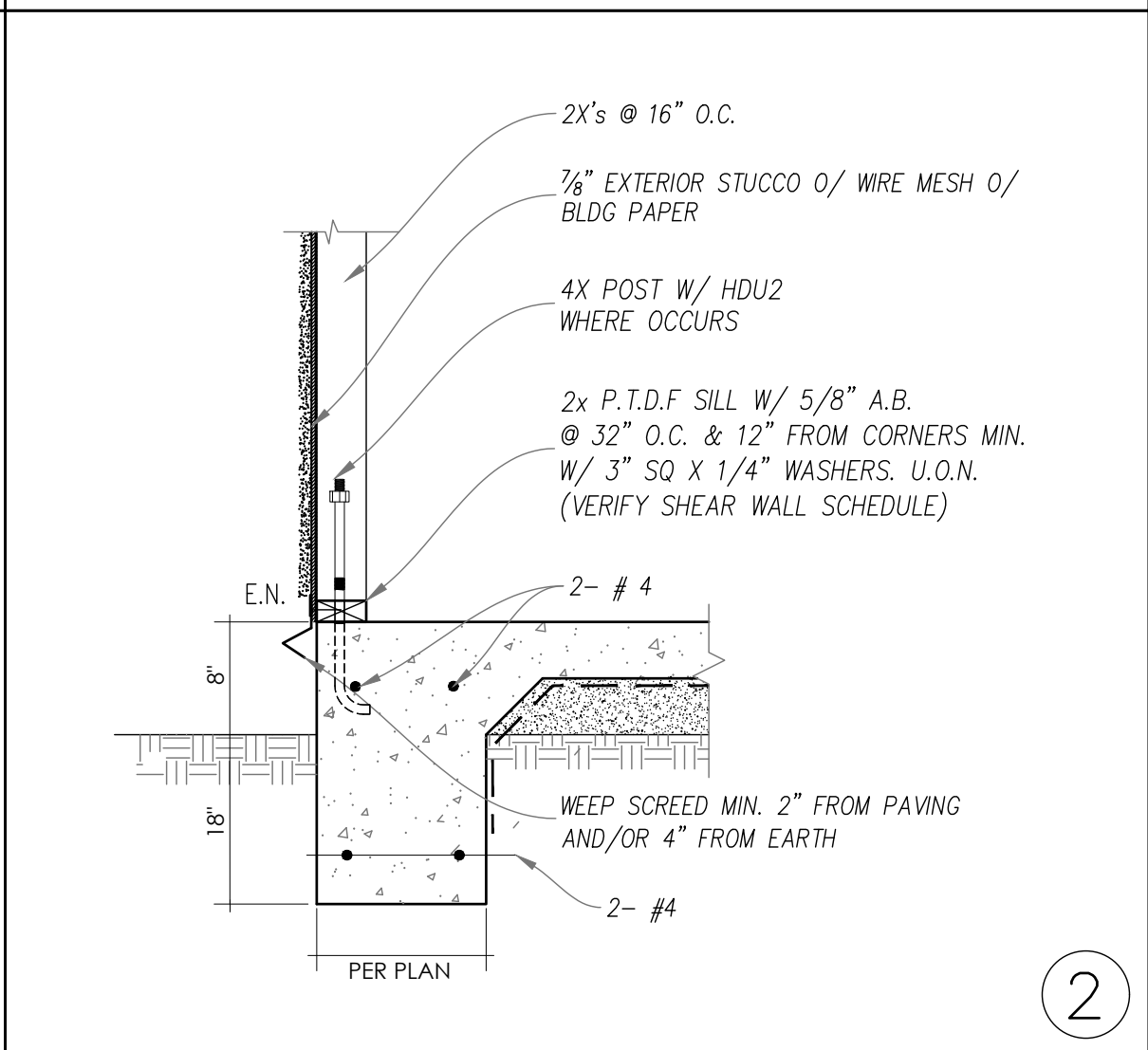
TYP. WALL FRAMING 14



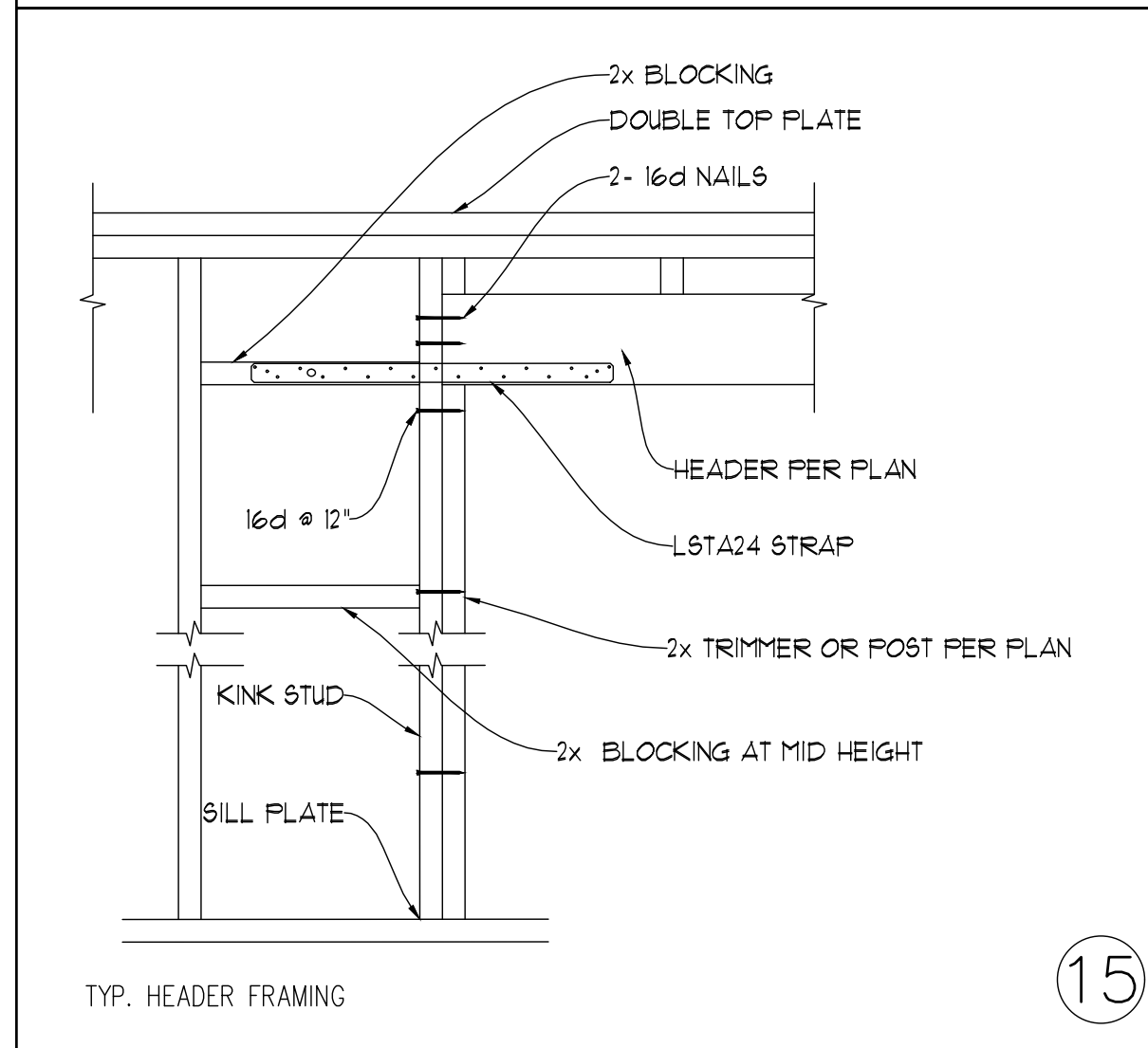
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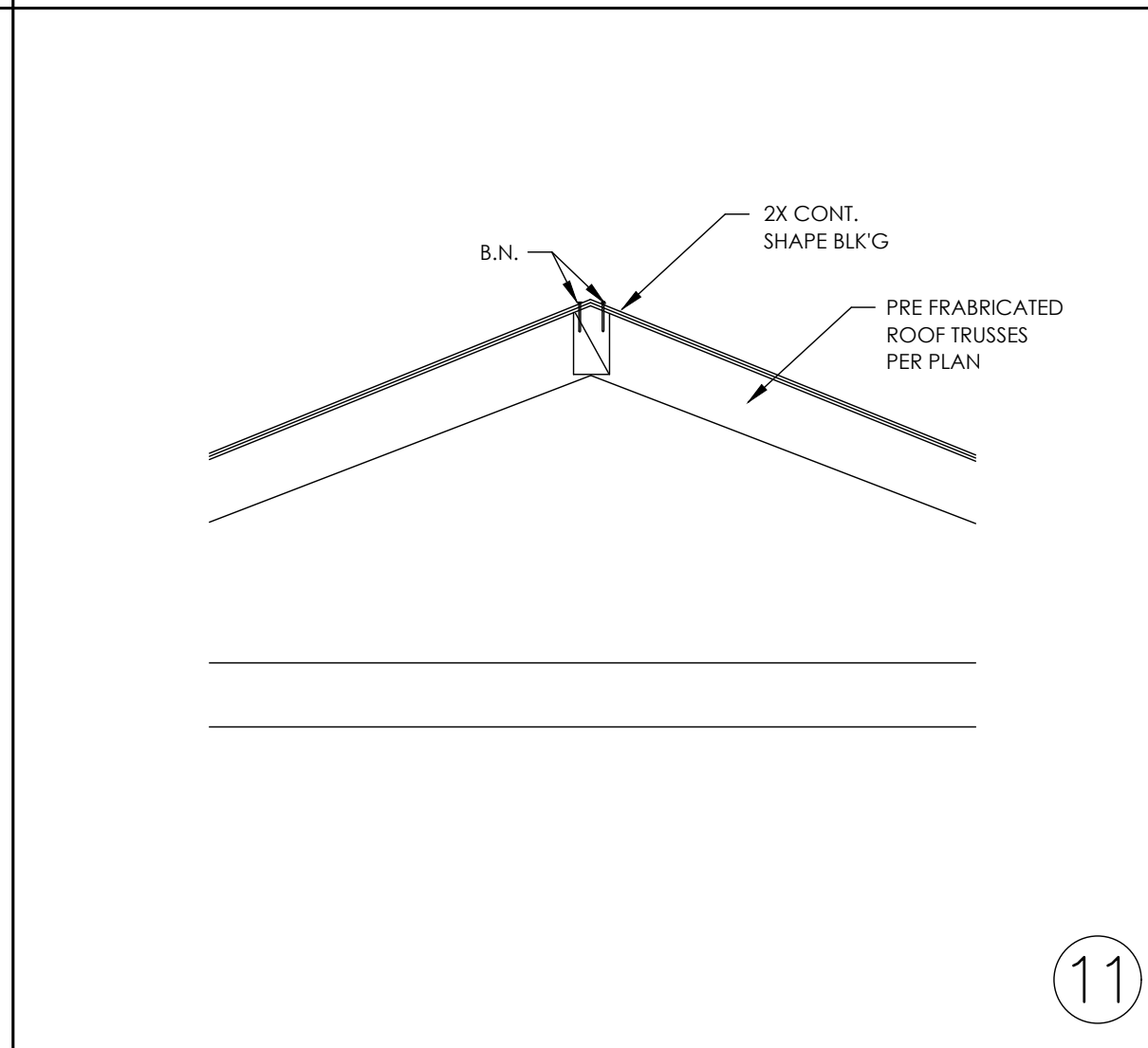
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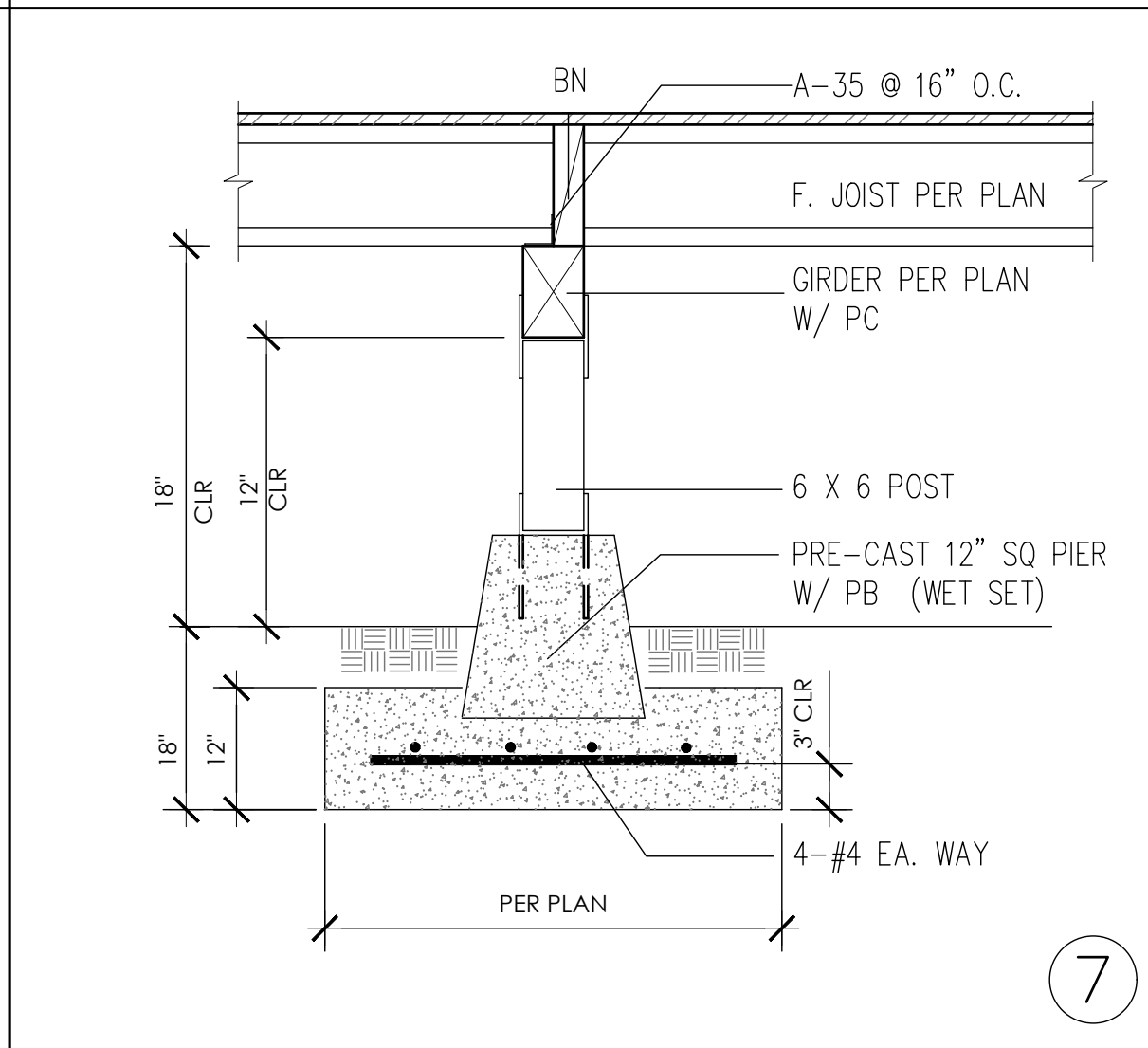
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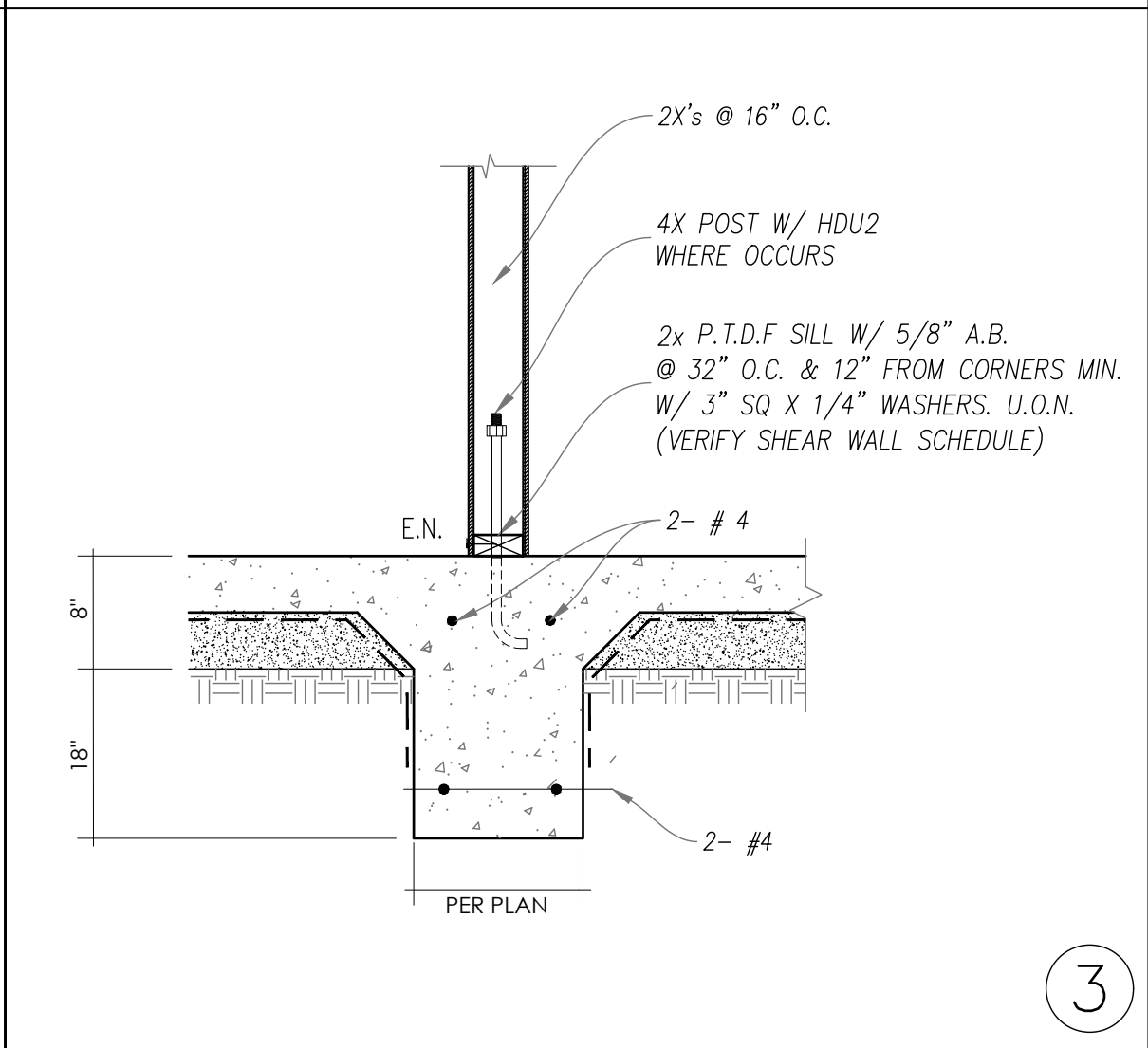
TYP. HEADER FRAMING 15



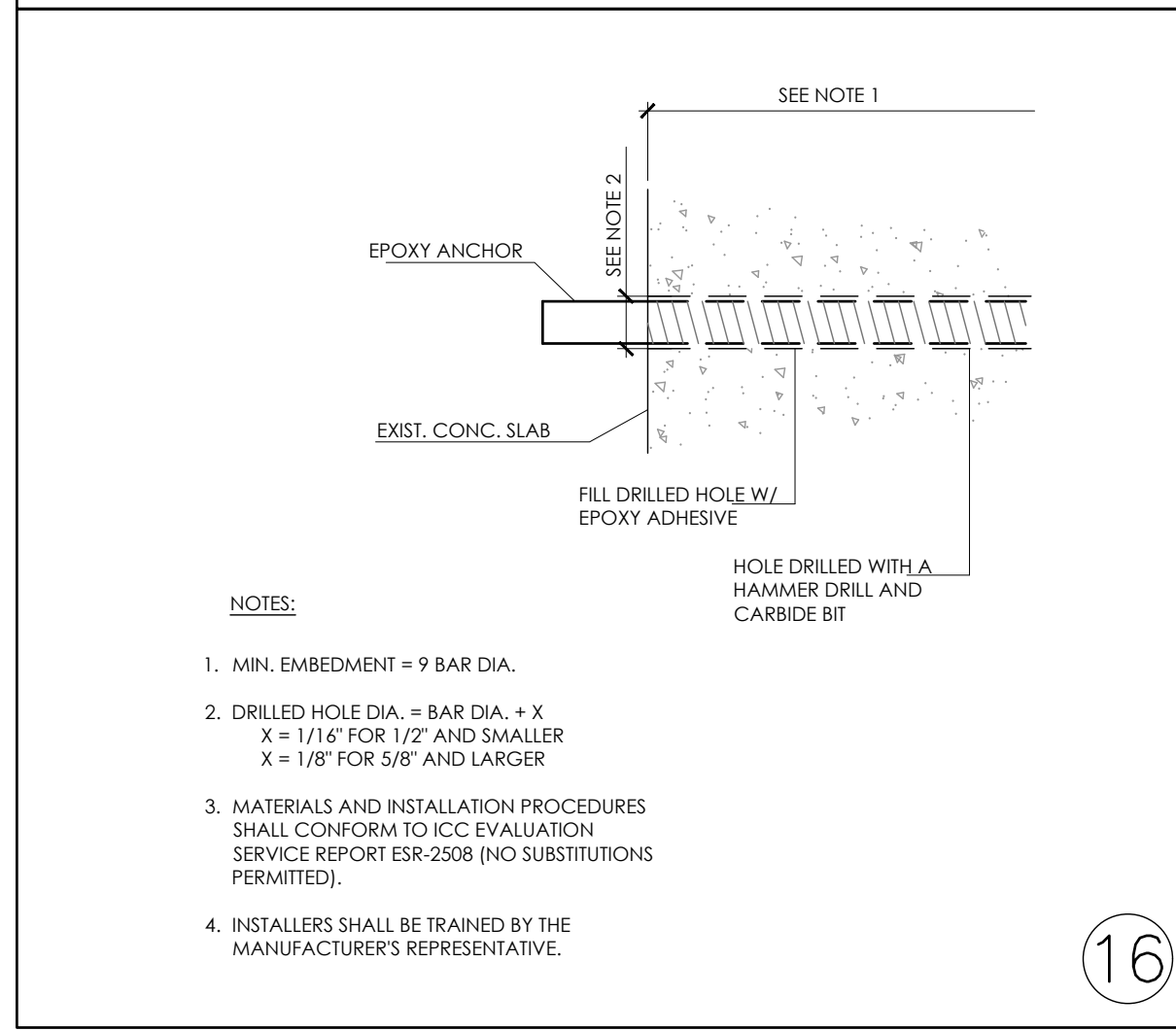
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7

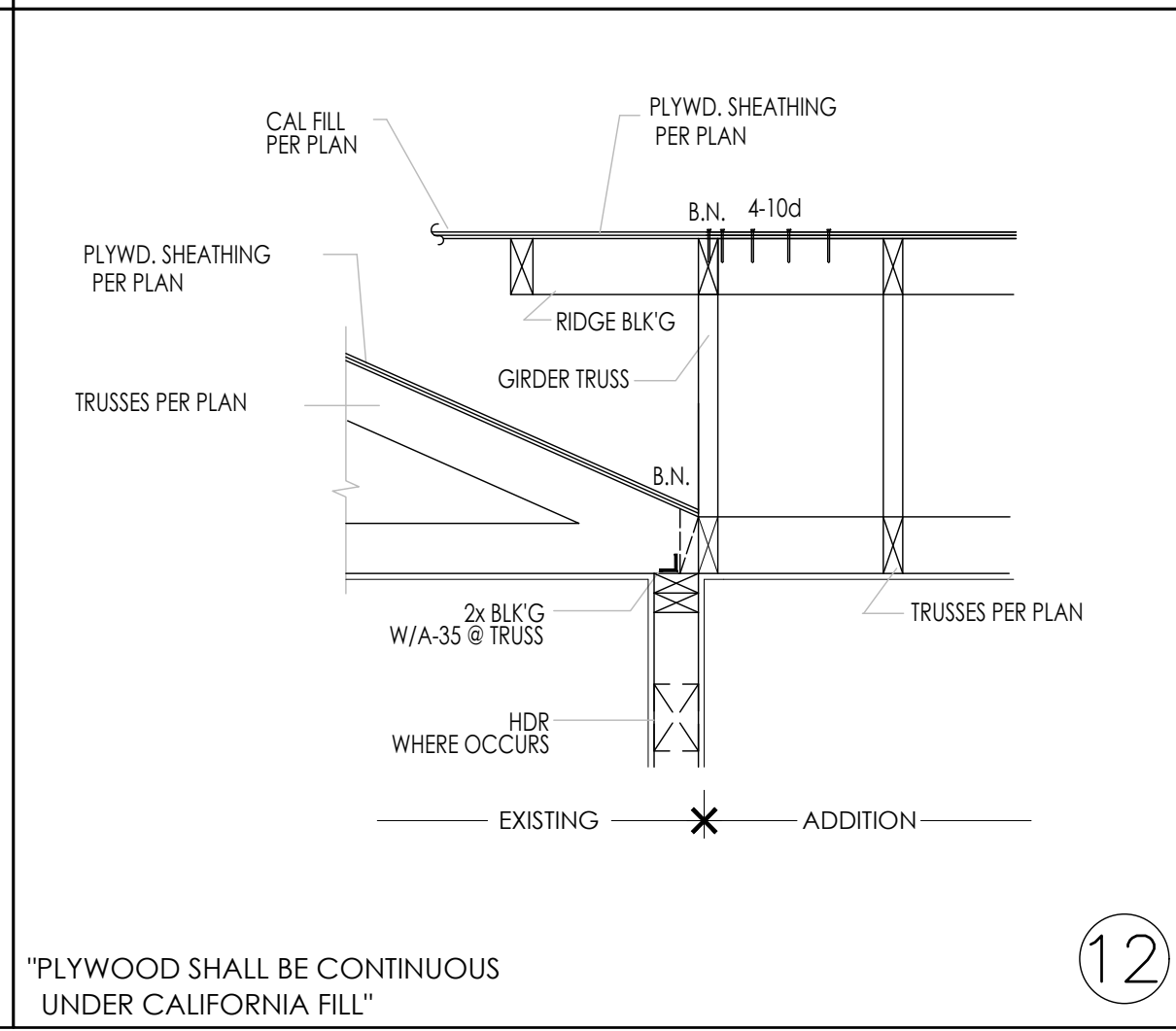


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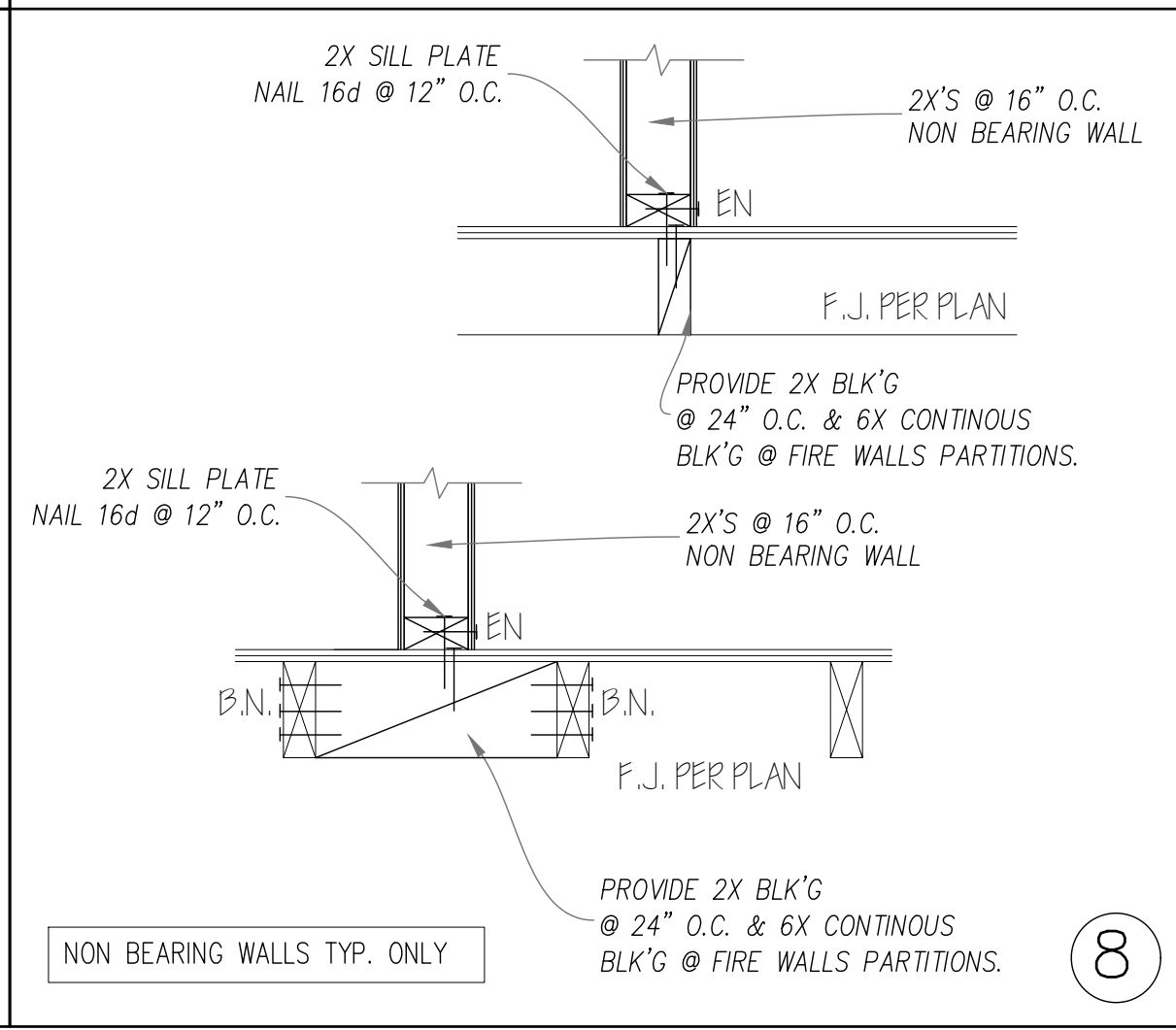


- NOTES:
- MIN. EMBEDMENT = 9 BAR DIA.
 - DRILLED HOLE DIA. = BAR DIA. + X
X = 1/16" FOR 1/2" AND SMALLER
X = 1/8" FOR 5/8" AND LARGER
 - MATERIALS AND INSTALLATION PROCEDURES SHALL CONFORM TO ICC EVALUATION SERVICE REPORT ESR-2508 (NO SUBSTITUTIONS PERMITTED).
 - INSTALLERS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE.

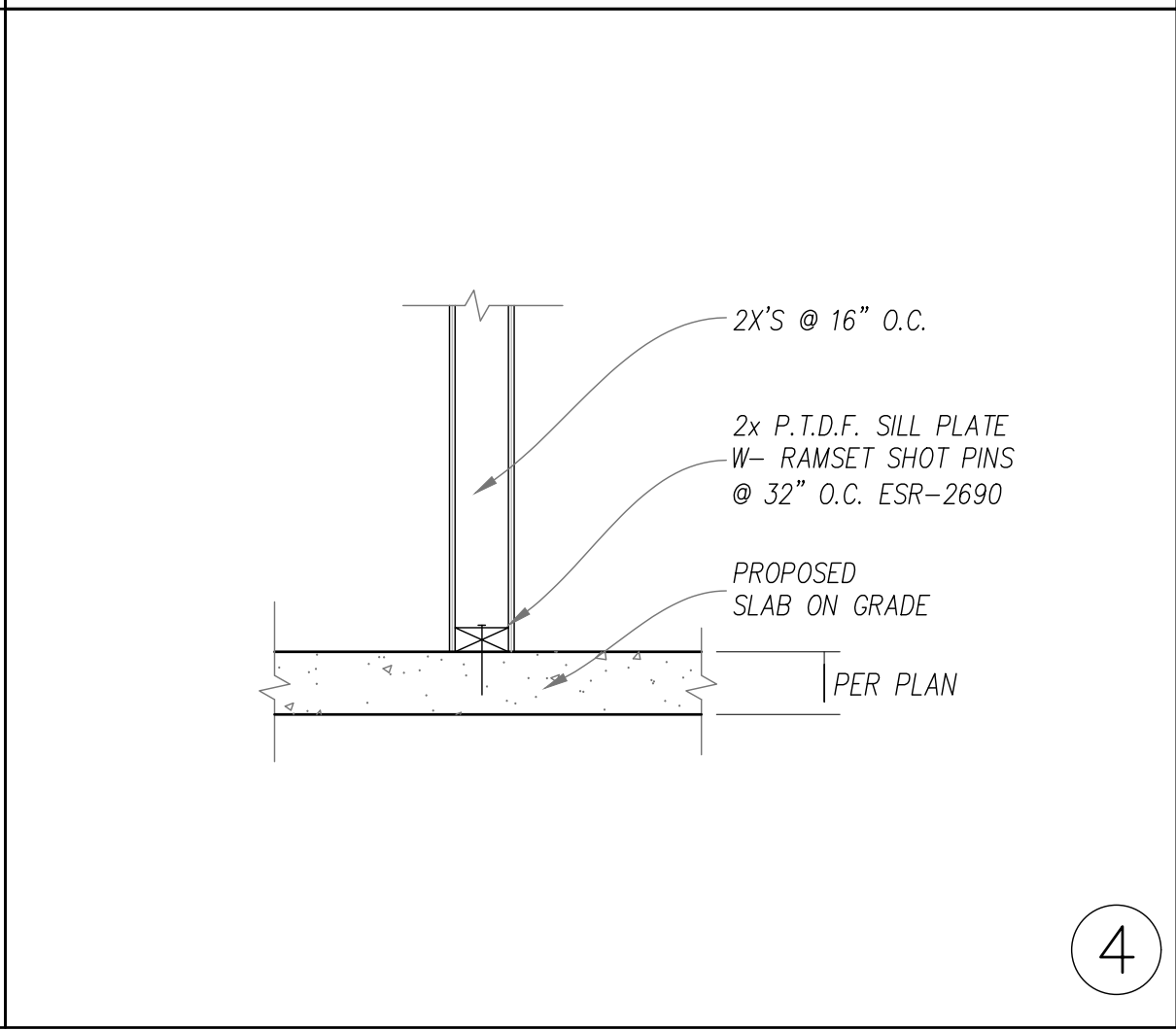
16



12



8



4

A-E-STUDIO.COM
SMART CONSTRUCTION
JUANNE@AESTUDIO.COM
466 THIRD AVE STE B
CHULA VISTA, CA 91914
(619) 201-4652

Date February 17, 2023

REVISIONS	

ADDITION & NEW ADU
1523 E 14th ST, NATIONAL CITY, CALIFORNIA 91950

02-17-2023

STRUCTURAL DETAILS

S4



MiTek USA, Inc.
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661
Telephone 916-755-3571

Re: 230080
14th st

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Pacific Truss (El Cajon).

Pages or sheets covered by this seal: R74806870 thru R74806873

My license renewal date for the state of California is September 30, 2024.



February 17, 2023

Zhao, Xiaoming

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customer file reference purpose only, and was not taken into account in the preparation of these designs.

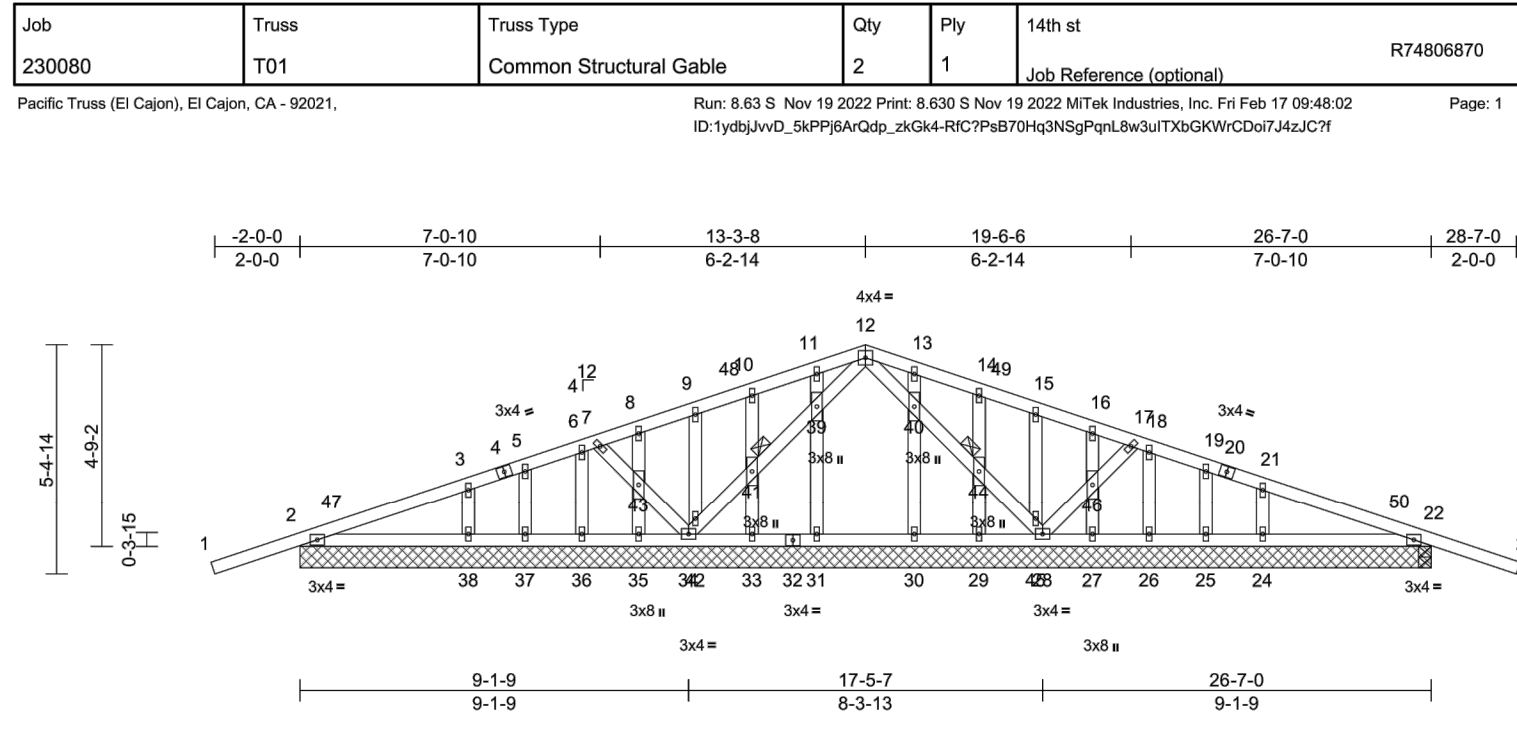


Table with columns: Loading, TOP CHORD, BOT CHORD, WEBS, BRACING, TOP CHORD, BOT CHORD, JOINTS, REACTIONS, FORCES, TOP CHORD. Includes material specifications, dimensions, and design notes.



February 17, 2023

WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 rev. 9/19/2020 BEFORE USE. Design valid for use only with MiTek connectors...

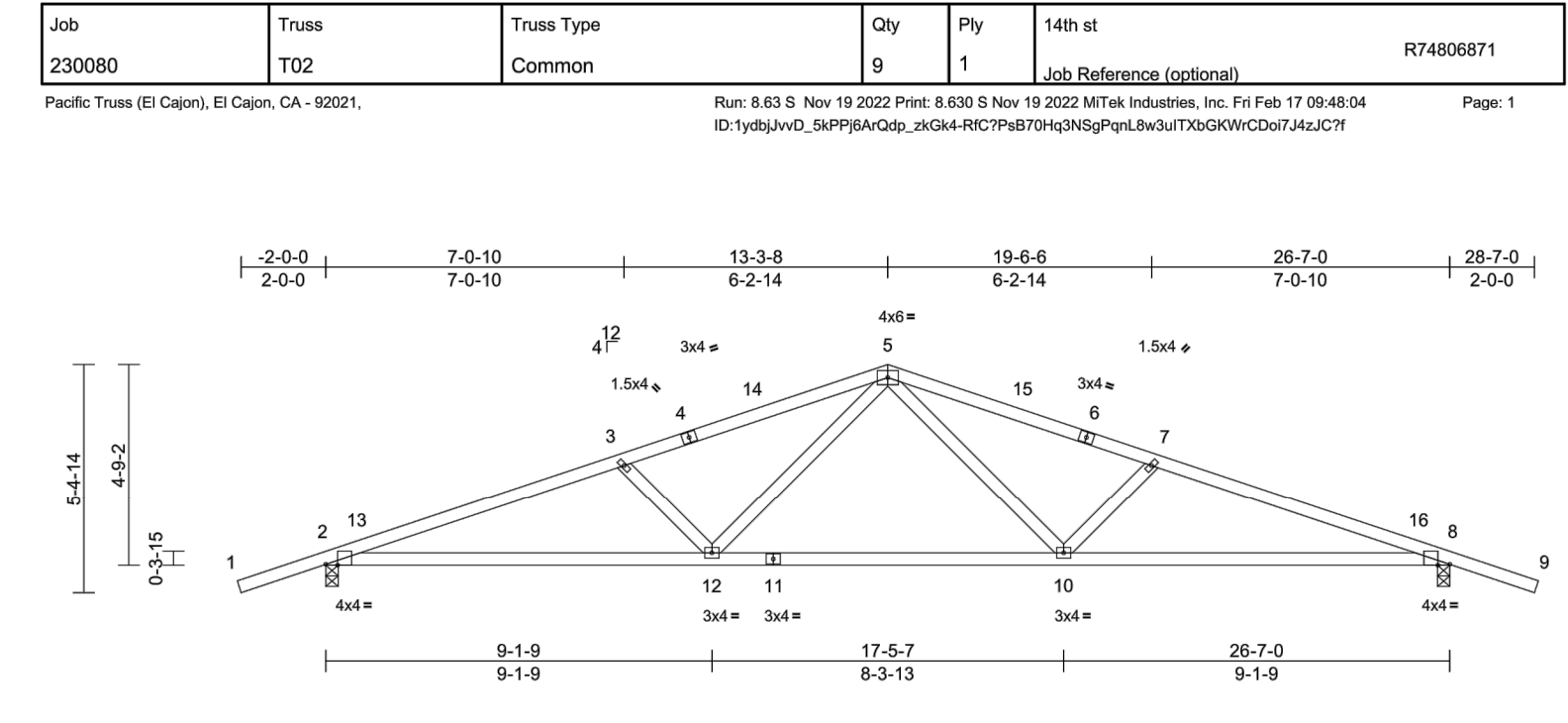


Table with columns: Loading, TOP CHORD, BOT CHORD, WEBS, BRACING, TOP CHORD, BOT CHORD, JOINTS, REACTIONS, FORCES, TOP CHORD. Includes material specifications, dimensions, and design notes.



February 17, 2023

WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 rev. 9/19/2020 BEFORE USE. Design valid for use only with MiTek connectors...

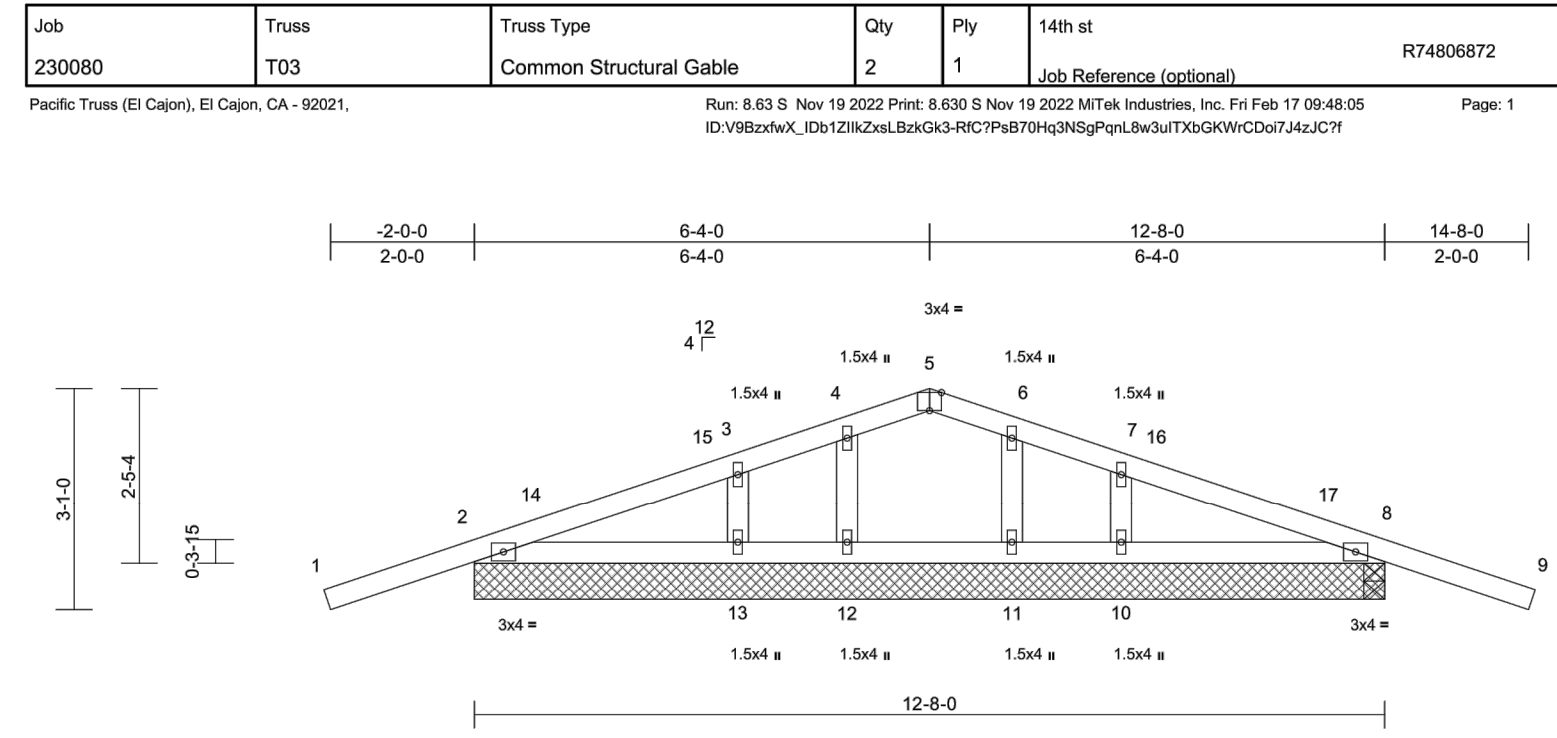


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February 17, 2023

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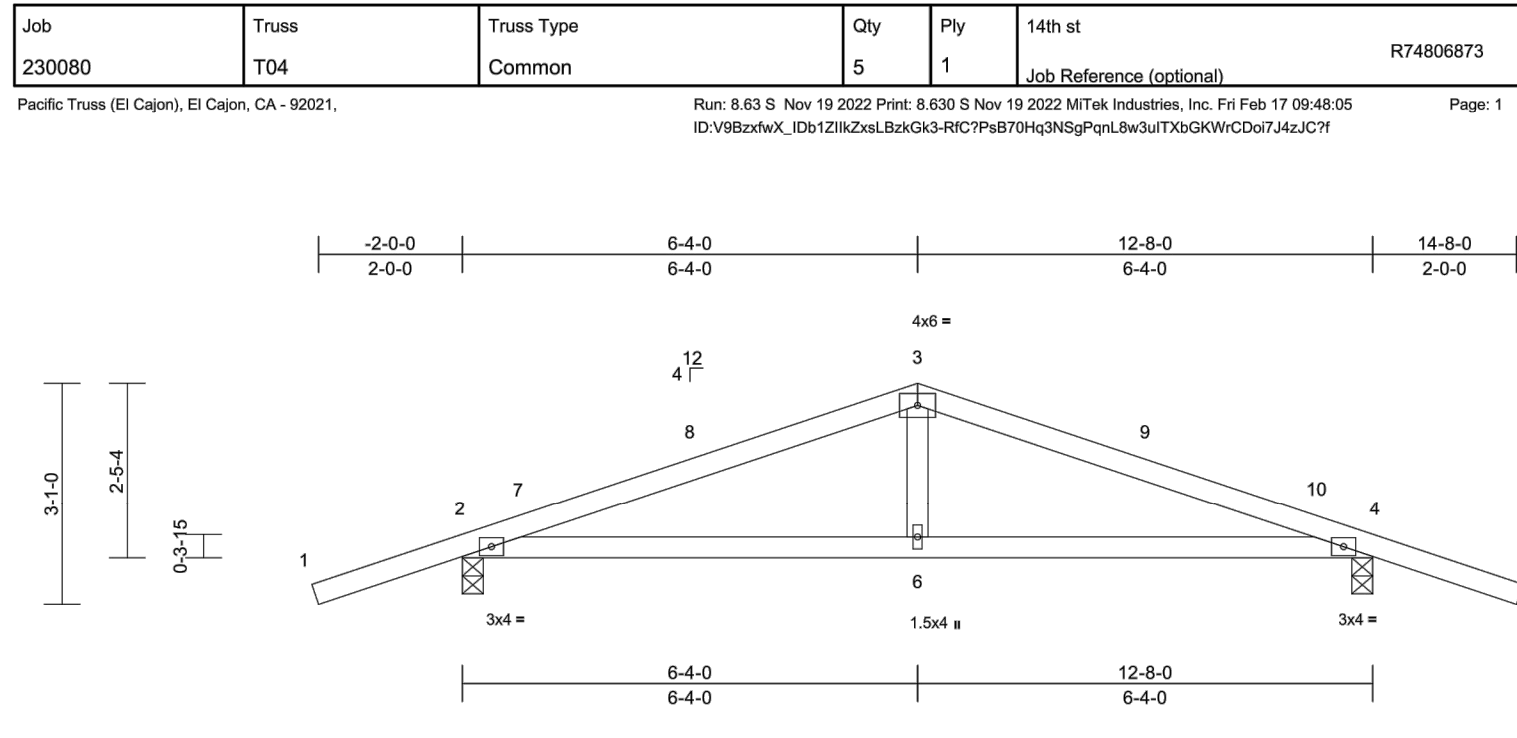
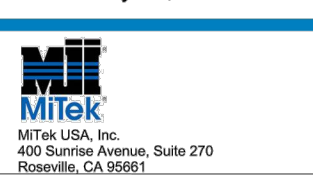


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February 17, 2023

WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 rev. 9/19/2020 BEFORE USE. Design valid for use only with MiTek connectors...

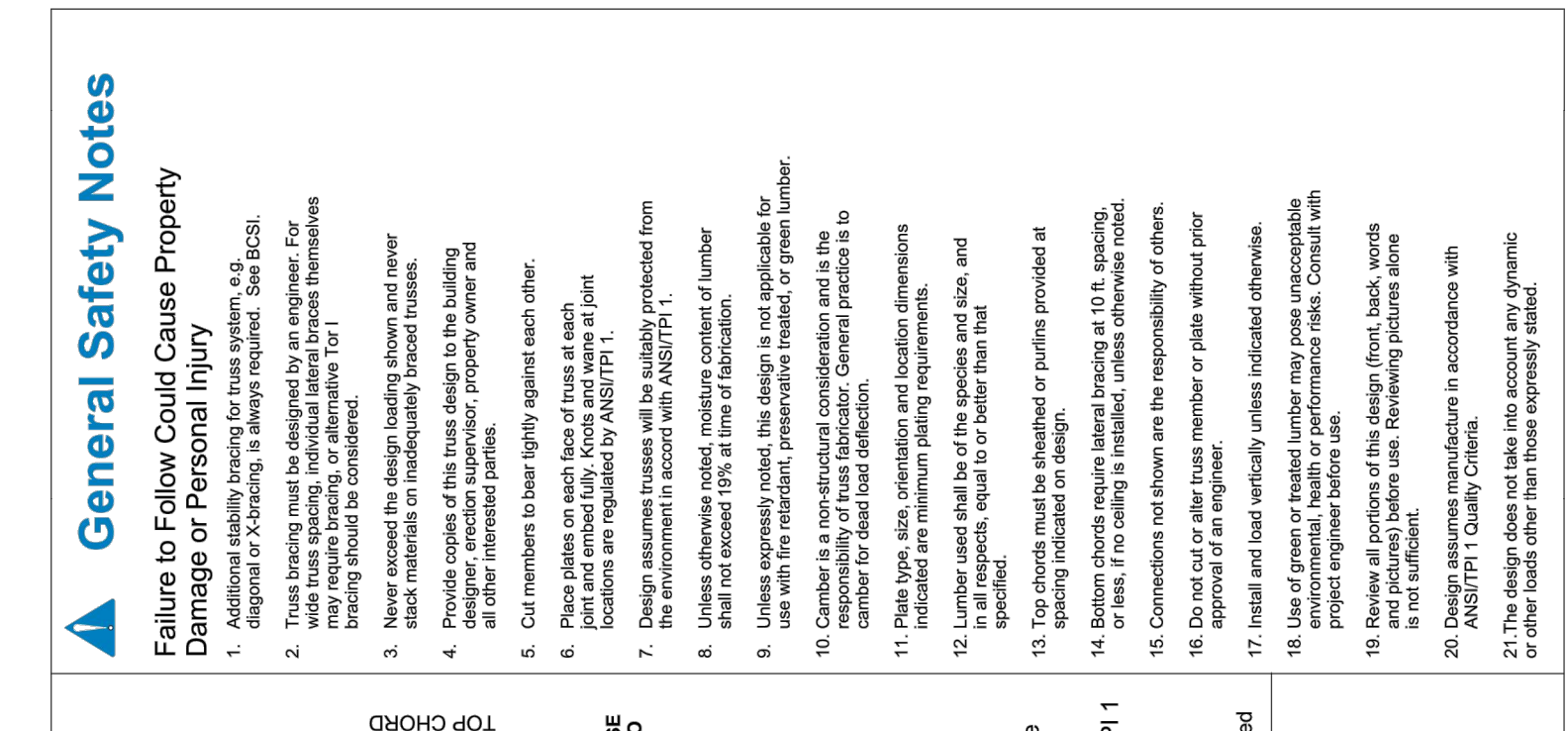
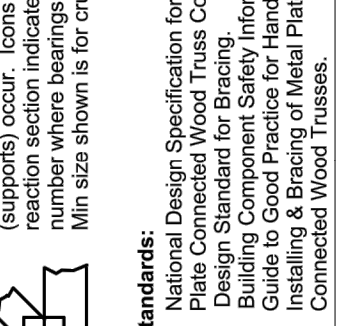
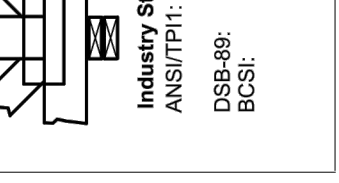


Table with columns: Loading, TOP CHORD, BOT CHORD, WEBS, BRACING, TOP CHORD, BOT CHORD, JOINTS, REACTIONS, FORCES, TOP CHORD. Includes material specifications, dimensions, and design notes.



February 17, 2023

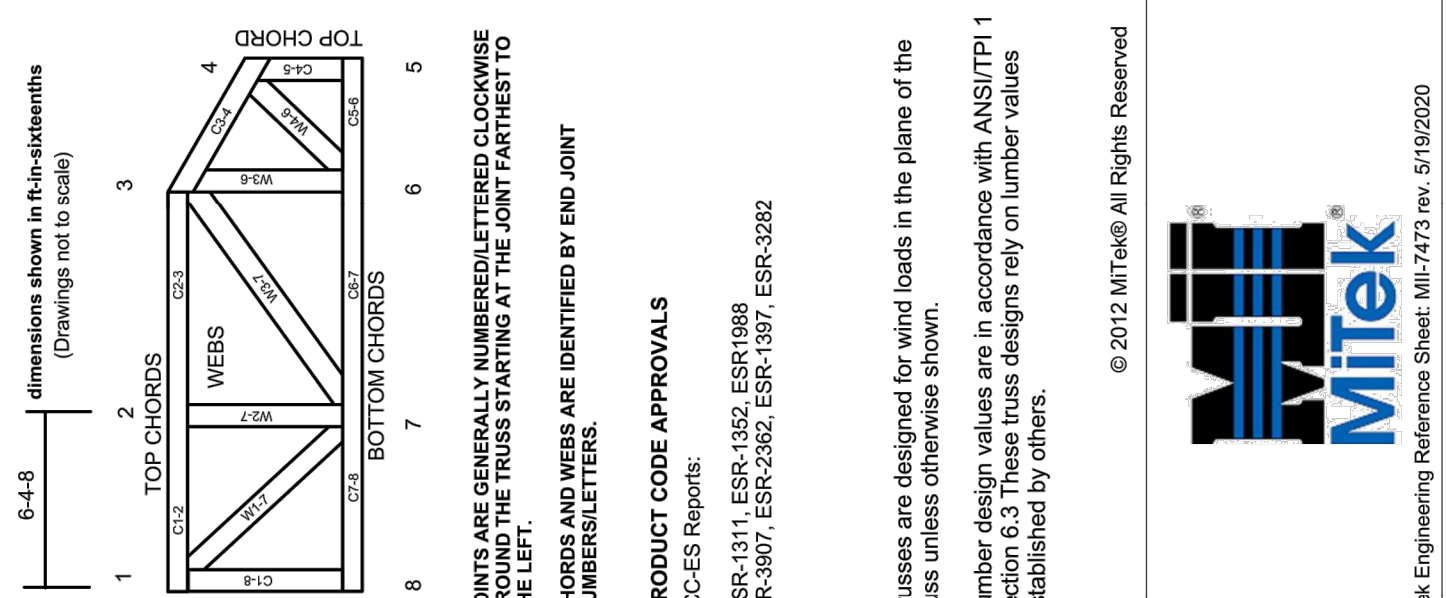
WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 rev. 9/19/2020 BEFORE USE. Design valid for use only with MiTek connectors...



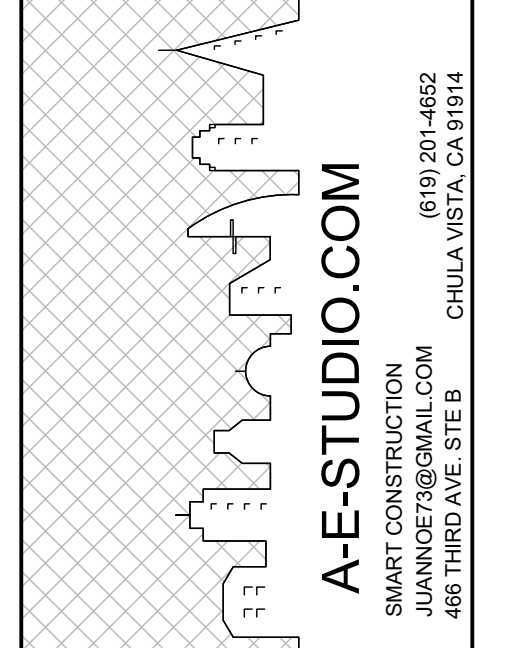
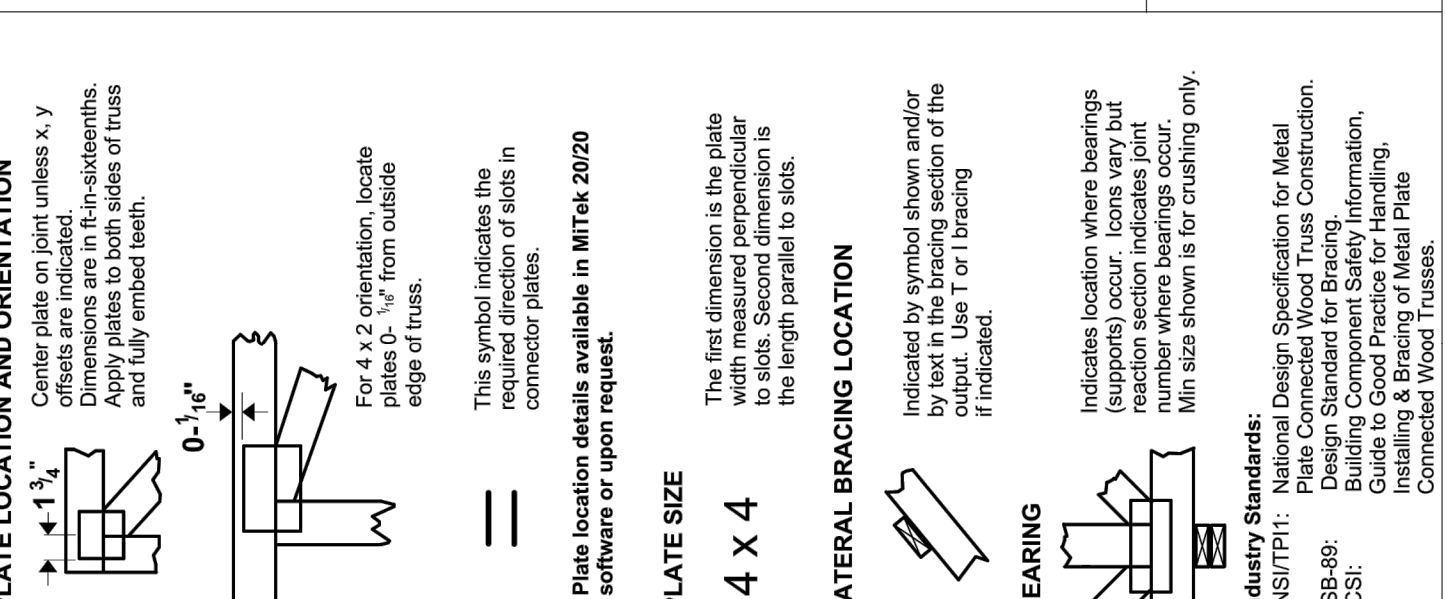
General Safety Notes

- Failure to Follow Could Cause Property Damage or Personal Injury
Additional safety notes for truss systems, including warnings about load capacity, installation, and safety protocols.

Numbering System

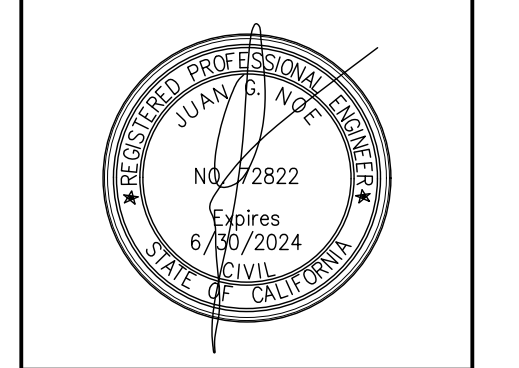


Symbols



Date February 17, 2023

REVISIONS table with columns for revision number and description.



February 17, 2023



ADDITON & NEW ADU
1523 E 14th ST, NATIONAL CITY, CALIFORNIA 91950

02-17-2023

TRUSSES CALCS

T1

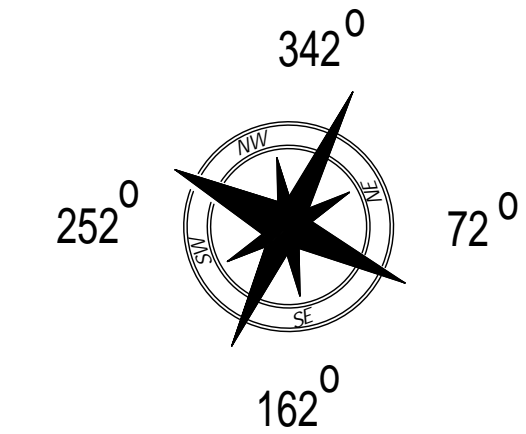
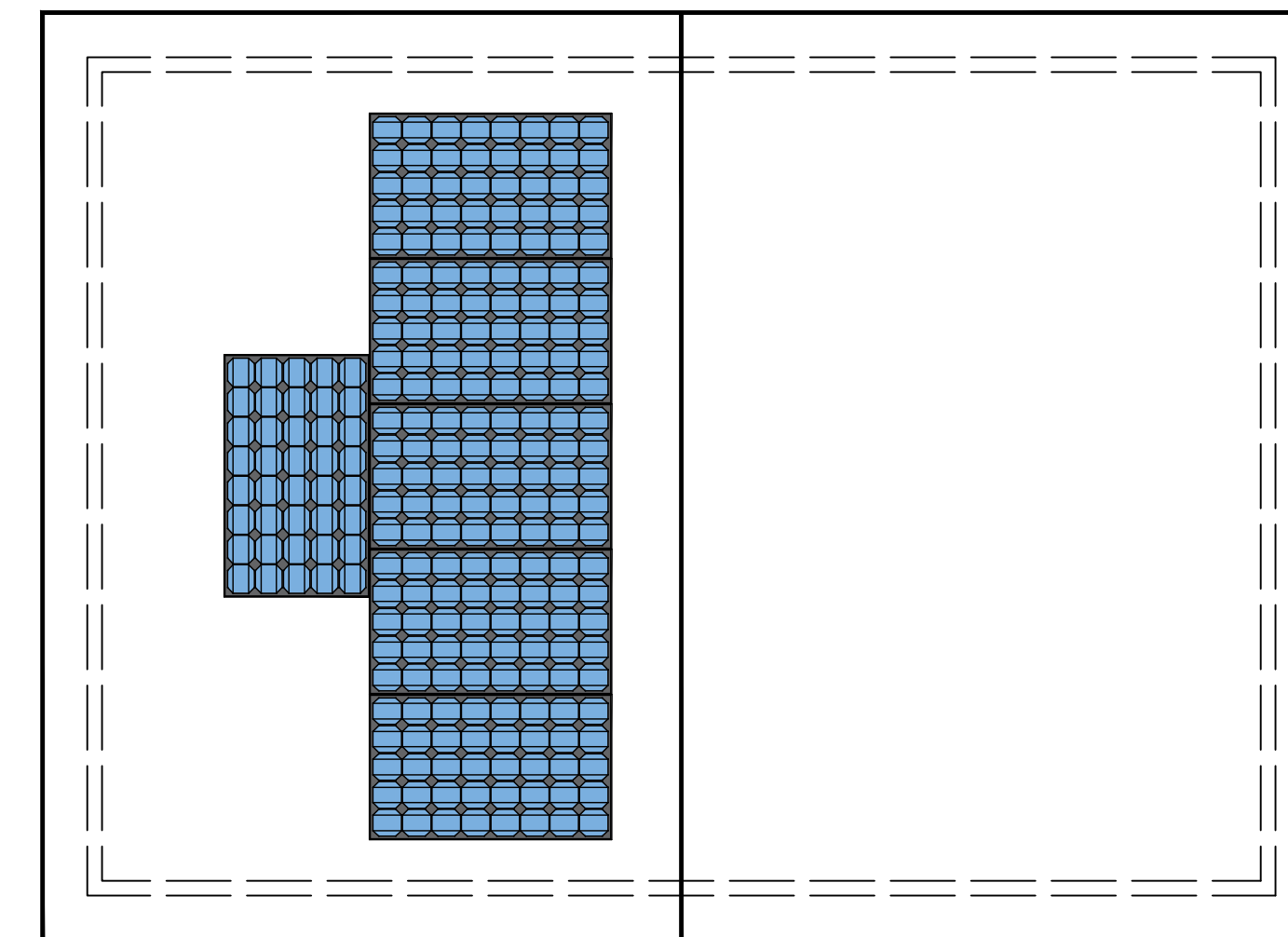
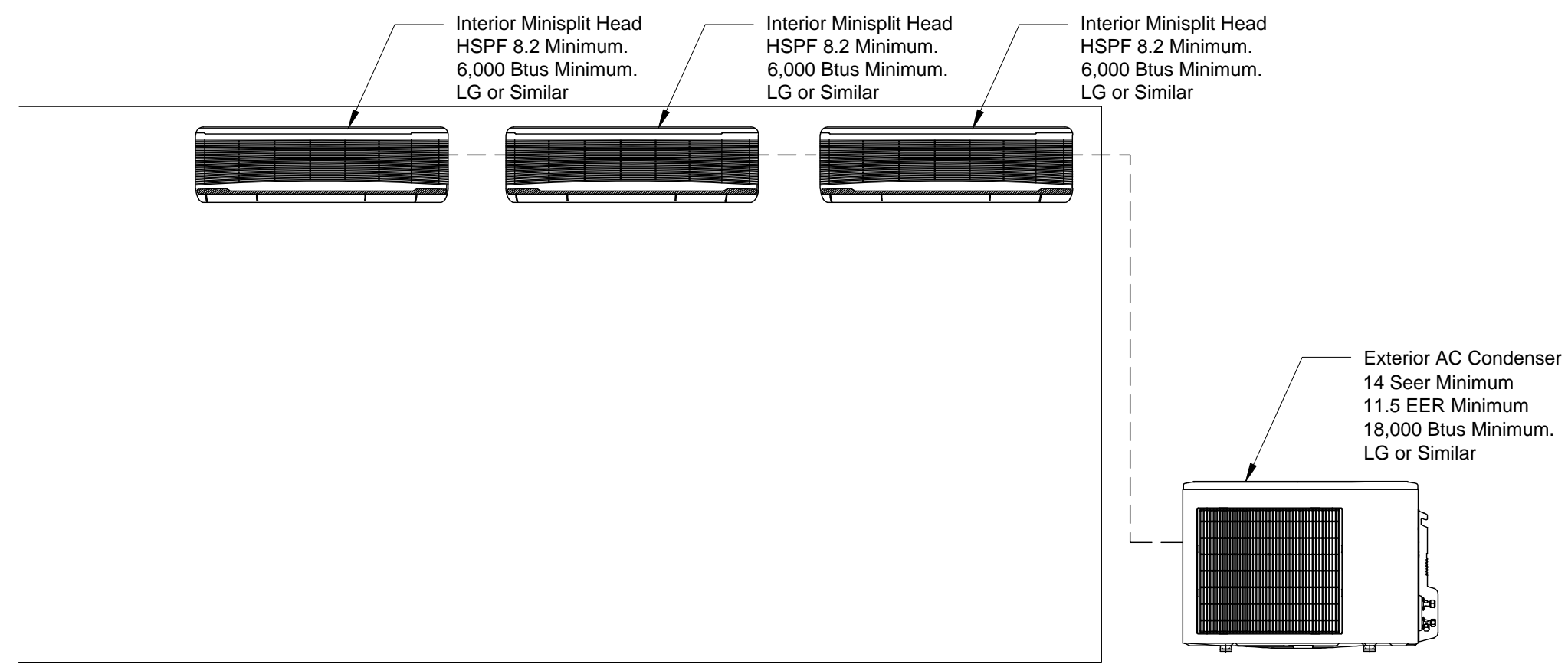


Estudio75
 Ricardo H. Perez
 4275 Executive Square Suite#200 La Jolla, CA 92037
 (619) 274-2838 / t24.e75@gmail.com

1523 E 14TH Street
 National City, California 91950

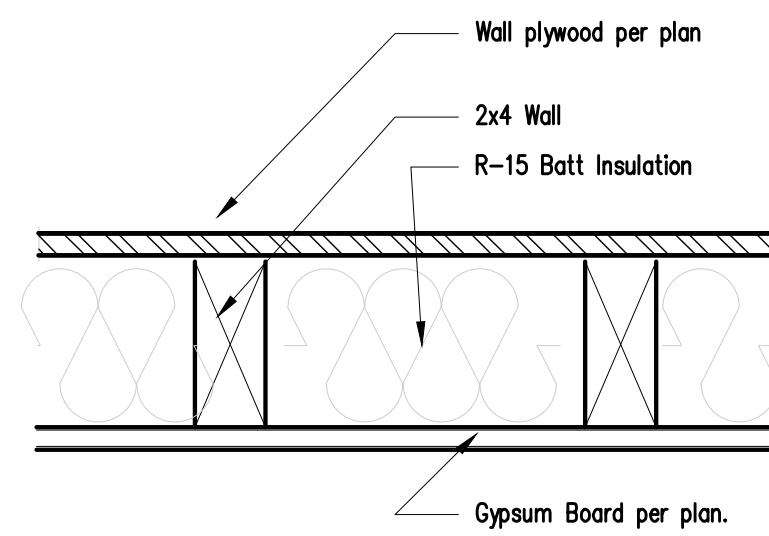
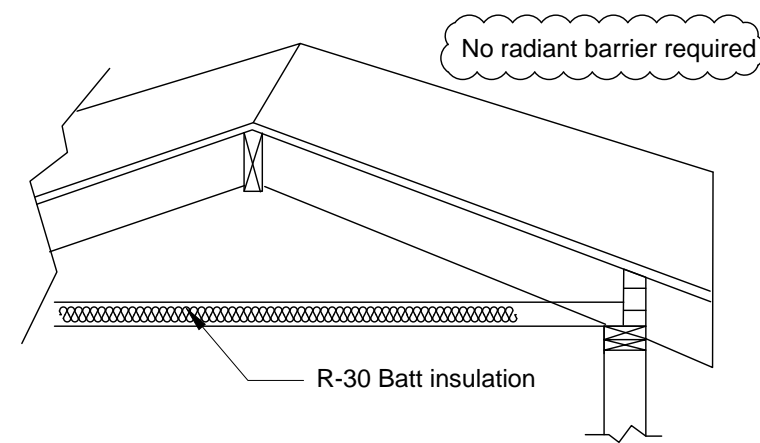
Project
 Address

T03



REQUIRED PV SYSTEMS - SIMPLIFIED											
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
1.79	NA	Standard	Fixed	none	true	150-270	n/a	n/a	<=7:12	96	98

MINISPLIT DETAIL



INSULATION AT ROOF ATTIC

INSULATION AT EXTERIOR WALL

REQUIRED PV SYSTEMS

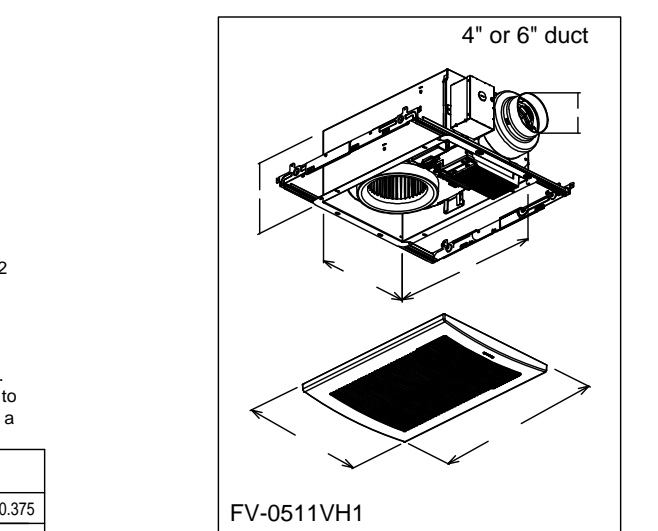
Certificate of Product Ratings

AHRI Certified Reference Number : 8552226 Date : 02-07-2020 Model Status : Active
 Brand Name : RHEEM
 Model Number : RTG-950VLN-1
 Rated as follows in accordance with Department of Energy (DOE) Water Heater test procedures as published in the latest edition of the Code of Federal Regulations, 10 CFR Part 430 and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:
 Max GPM : 5.0
 Uniform Energy Factor : 0.82
 The following data is for reference only and is not certified by AHRI
 Energy Source : Natural Gas
 Heater Type : Instantaneous
 Usage Bin : High Usage
 Nominal Capacity (gal) : 0
 DOE Rated Storage Volume (gal) : 0
 Input (MBtu/h) : 199.9
 Recovery Efficiency, (%) : 84
 Heat Traps : No

PANASONIC FV-0511VH1
 Specification Submittal Data / Panasonic Ventilation Fan/Heater

Description:
 Ventilating fan/heater shall be low noise ceiling mount type rated for continuous run. Fan/heater shall be certified by the Home Ventilating Institute (HVI). Heating elements shall be included. Evaluated by Underwriters Laboratories and conform to both UL and cUL safety standards. Fan/heater is not intended for installation over a sub-power enclosure.
Motor/Blower:
 -Enclosed brushless ECM motor technology rated for continuous run.
 -Fan ventilation rates shall be manually adjustable for 50-80-110 CFM.
 -Power rating shall be 120 volts and 60 Hz.
 -Motor equipped with thermal-cutoff fuse.
 -Removable with permanently lubricated plug-in motor.
 -Minimum 20 Amp dedicated circuit required.
Housing:
 -26 gauge Zinc-Aluminum-Magnesium (ZAM) housing.
 -Integrated dual 4" or 6" diameter duct adapter.
 -Built-in back draft damper.
 -Built-in metal flange provides blocking for penetrations through drywall as an Air Barrier, and assists with the decrease in leakage in the building envelope during blower door testing.
 -Building Envelope during blower door testing.
 -Suitable for installation in ceilings insulated up to R60.
 -Articulating and expandable installation bracket up to 24".

Grille:
 -Attractive design using Poly Pro material.
 -Attaches directly to housing with tension springs.
 -Circulation grille with built-in diffuser for higher output velocity and directional heat throw.
Heater:
 -1600W Positive Temperature Coefficient (PTC) heater for greater safety and reliability.
 -Heater is self-limiting. As it approaches designed operating temperature, the electrical consumption automatically decreases, which prevents overheating.
Warranty:
 -6 years ECM Motor, 5 years LED, 3 years all other parts.
Architectural Specifications:
 -Ventilation fan/heater combination shall be ceiling mount, with built-in speed selector. Select from 50/80/110 CFM and no more than $0.3/0.3/0.7$ sone as certified by the Home Ventilating Institute (HVI) at 0.1 static pressure in inches water gauge (w.g.), with 5/8/2 1/2 CFM and no more than 0.8/1.0/1.5 sone as certified by HVI at 0.25 w.g., and no less than 53/80/110 CFM at 0.375 w.g.
 -Power Consumption shall be no greater than 4,777/7,712 watts at 0.1 w.g., 8,613/3,119.0 watts at 0.25 w.g., and 12,318/2,265.0 watts at 0.375 w.g.
 -Energy efficiency shall be no less than 10.6/10.4/9.2 CFM/watt at 0.1 w.g., 6.9/6.5 CFM/watt at 0.25, and 4.3/4.5/4.0 CFM/watt at 0.375 w.g. Power rating shall be 120V/60Hz. Minimum 20 Amp dedicated circuit required. Duct diameter shall be inclusive of an integrated dual 4" or 6" duct adapter. Also suitable for installation in ceilings insulated up to R60. Fan/heater is not intended for installation over a



WhisperWarm DC FV-0511VH1	4"			6"		
	0.1	0.25	0.375	0.1	0.25	0.375
Static Pressure in inches w.g.	0.1	0.25	0.375	0.1	0.25	0.375
Air Volume (CFM)	110	112	110	80	82	50
Noise (sone)	0.7	1.5	-	0.3	1.0	-
Power Consumption (watts)	12	19.0	26.0	7.7	13.3	18.2
Energy Efficiency (CFM/Watt)	9.2	5.9	4	10.4	6.2	4.5
Speed (RPM)	861	1090	1249	736	1008	1173
Current (amps)	0.24	0.37	0.49	0.16	0.26	0.36
MAX. Current (amps)	0.50					
Power Rating (V/Hz)	120/60					
Motor Type	ECM					
ENERGY STAR rated	N/A - No ENERGY STAR category for fan/heater					

*Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375".
 -HVI testing and certification based on 4" duct.

ECM Motor Technology:
 When the fan senses static pressure, its speed is automatically increased to ensure that the desired CFM is not compromised, which allows the fan to perform as rated.

HERS FEATURE SUMMARY

The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry

Building-level Verifications:

- Indoor air quality ventilation
- Kitchen range hood

Cooling System Verifications:

- None

Heating System Verifications:

- Verified heat pump rated heating capacity

HVAC Distribution System Verifications:

- None

Domestic Hot Water System Verifications:

- None

GAS TANKLESS WATER HEATER

IAQ FAN (HERS VERIFICATION REQUIRED)

ENERGY EFFICIENCY HERS VERIFICATION

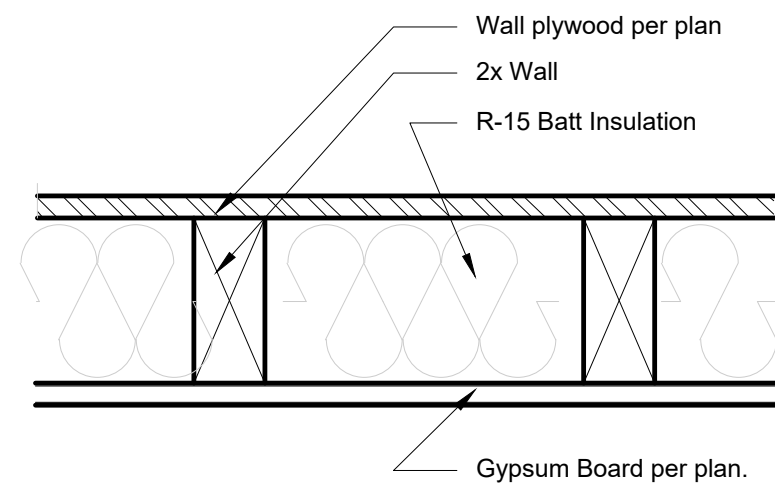


Studio75
 Ricardo H. Perez
 4275 Executive Square Suite#200 La Jolla, CA 92037
 (619) 274-2838 / t24.e75@gmail.com

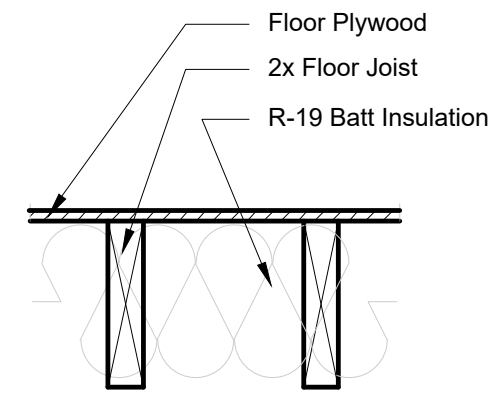
Addition
 1523 E 14th. St.
 National City, California 91950

Project Address

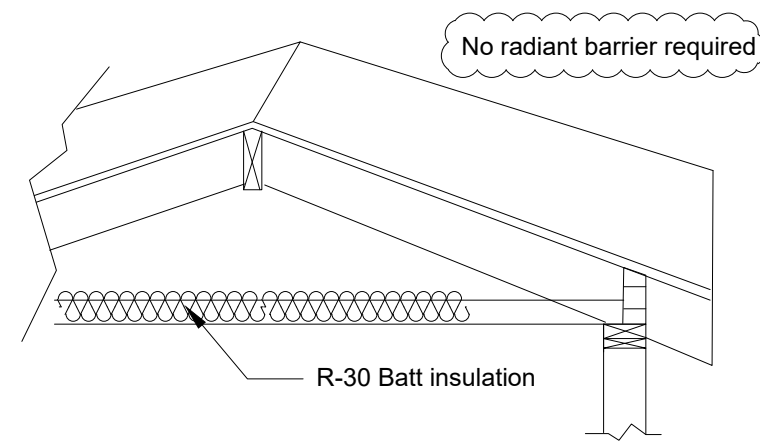
T05



INSULATION AT EXTERIOR WALL



INTERIOR AT RAISED FLOOR



INSULATION AT ROOF ATTIC

PROPERLY COMPLETED AND SIGNED CERTIFICATES OF INSTALLATION (CF2R FORMS) SHALL BE PROVIDED TO THE INSPECTOR IN THE FIELD. FOR PROJECTS REQUIRING HERS VERIFICATION, THE CF2R FORMS SHALL BE REGISTERED WITH A CALIFORNIA-APPROVED HERS PROVIDER DATA REGISTRY.

PROPERLY COMPLETED CERTIFICATES OF VERIFICATION (CF3R FORMS) SHALL BE PROVIDED TO THE INSPECTOR IN THE FIELD FOR ITEMS REQUIRING HERS VERIFICATION. CF3R FORMS SHALL BE REGISTERED WITH A CALIFORNIA-APPROVED HERS PROVIDER DATA REGISTRY.

Windows: U-Factor=.30 SHGC=.23	French Door: U-Factor=.30 SHGC=.23	Folding Door: U-Factor=.30 SHGC=.23	Skylight: U-Factor=.30 SHGC=.23
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ENERGY EFFICIENCY HERS VERIFICATION