By using these standard plans, the user agrees to release the County of San Diego from any persons or property, including injury or death, or economic losses, arising out of the use of these construction documents. The use of these plans does not eliminate or reduce the user's responsibilities and duties in accordance with applicable laws, codes, and regulations. The user assumes full responsibility for the design, construction, and safety of the structures built according to these plans.

EXTERIOR WALLS OF BUILDINGS

- APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4
- APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
- 1-HOUR FIRE-RESISTANT-RATED MATERIAL
- NON-COMBUSTIBLE MATERIAL

FINISHED GRADE

- NON-COMBUSTIBLE MATERIAL
- REINFORCED CONCRETE FINISHING
- STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL COVERING SHALL HAVE AN EMBRACEMENT IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE FOLLOWING:

1. COMBUSTIBLE MATERIAL (STUCCO, CEMENT BOARD, ETC.) STOKEETED OR EXPOSED PLASTERED OR APPLIED AS AN EXTERIOR WALL FINISH SHALL COMPLY WITH ONE OF THE FOLLOWING:

   a. MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE FRAMING)
   b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
   c. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4

FINISHED FLOOR

- APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4
- APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
- 1-HOUR FIRE-RESISTANT-RATED MATERIAL
- NON-COMBUSTIBLE MATERIAL

DECK, BALCONY, AND EXTERIOR STAIR CONSTRUCTION, WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH ANY OF THE FOLLOWING:

1. MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE FRAMING)
2. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
3. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4

PATIO COVER, CARPORT AND TRELLIS CONSTRUCTION WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH ANY OF THE FOLLOWING:

1. MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE FRAMING)
2. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
3. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4

UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET INSTALLED OVER THE COMBUSTIBLE DECKING PERMITTED TO BE USED AS AN EXTERIOR WALL COVERING SHALL HAVE AN EMBRACEMENT IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE FOLLOWING:

1. COMBUSTIBLE MATERIAL (STUCCO, CEMENT BOARD, ETC.) STOKEETED OR EXPOSED PLASTERED OR APPLIED AS AN EXTERIOR WALL FINISH SHALL COMPLY WITH ONE OF THE FOLLOWING:

   a. MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE FRAMING)
   b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
   c. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4

WIND WORLD PLANS

1. ROOF MEMBERS HORIZONTAL TO THE FACADE SHALL BE CONSTRUCTED FROM 2 X 8 WOOD MEMBER AUGMENTED AT THE VALLEY WITH FLAT BAR AUGMENTATION, GROUPING OF THE FOLLOWING:

   a. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4
   b. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4
   c. APPROVED ALTERNATIVE DECKING MATERIAL MEETING THE FLAMMABILITY RATING PER CBC 708A.4

2. EXTERIOR WALL FINISHING SHALL BE CONSTRUCTED WITH EXCEPT AS FINISHED 6" OR 24 GAUGE DRAIN EDGE SHEET METAL OR OTHER APPROVED MATERIAL.

3. HORIZONTAL FLASHING BETWEEN ROOF MEMBERS HORIZONTAL TO THE FACADE SHALL BE CONSTRUCTED FROM 2 X 8 WOOD MEMBER AUGMENTED IF NEEDED BETWEEN THE ROOF MEMBERS HORIZONTAL TO THE FACADE WITH FLAT BAR AUGMENTATION.

4. EXTERIOR WALL FINISHING SHALL BE CONSTRUCTED WITH EXCEPT AS FINISHED 6" OR 24 GAUGE DRAIN EDGE SHEET METAL OR OTHER APPROVED MATERIAL.

5. CONSTRUCTION OF Teilharper Material AUGMENTED IF NEEDED BETWEEN THE ROOF MEMBERS HORIZONTAL TO THE FACADE WITH FLAT BAR AUGMENTATION.

6. EXTERIOR WALL FINISHING SHALL BE CONSTRUCTED WITH EXCEPT AS FINISHED 6" OR 24 GAUGE DRAIN EDGE SHEET METAL OR OTHER APPROVED MATERIAL.

7. CONSTRUCTION OF Teilharper Material AUGMENTED IF NEEDED BETWEEN THE ROOF MEMBERS HORIZONTAL TO THE FACADE WITH FLAT BAR AUGMENTATION.

8. CONSTRUCTION OF Teilharper Material AUGMENTED IF NEEDED BETWEEN THE ROOF MEMBERS HORIZONTAL TO THE FACADE WITH FLAT BAR AUGMENTATION.

9. CONSTRUCTION OF Teilharper Material AUGMENTED IF NEEDED BETWEEN THE ROOF MEMBERS HORIZONTAL TO THE FACADE WITH FLAT BAR AUGMENTATION.

10. CONSTRUCTION OF Teilharper Material AUGMENTED IF NEEDED BETWEEN THE ROOF MEMBERS HORIZONTAL TO THE FACADE WITH FLAT BAR AUGMENTATION.
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" MINIMUM FIRE FIGHTER ACCESS.
5. 1'-6" SMOKE VENTILATION SETBACK AT RIDGES.

ATTIC VENTILATION REQUIRED
NET FREE CROSS VENTILATION AREA = 576 in²
VENT AREA REQ'D = 1200 ft² / 300 = 4 ft
2 x 144 = 576 in²

GABLE END VENTS
NFVA = 115 in²
QTY = 10 VENTS
VENT AREA PROVIDED = 2 x 115 in² = 230 in²

EAVE VENTS
NFVA = 36 in²
QTY = 10 VENTS
VENT AREA PROVIDED = 10 x 36 in² = 360 in²

TOTAL VENT AREA PROVIDED
(230 in²) + (360 in²) = 590 in²
> 576 in²
ATTIC VENTILATION REQUIRED
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FOR EAVE DETAILS—SEE SHEET A6 "DETAIL 1"

MIN 7' HORIZONTAL DISTANCE FROM EDGE OF FOOTING TO DAYLIGHT

SECTION A-A

SECTION B-B

WALL INSULATION: _________________
CEILING INSULATION: _______________
ROOF (TOP CHORD) INSULATION: ________________
INTERIOR FINISH: "GYP" BOARD
EXTERIOR WALL/PLUMBING WALL: 2"X6" STUD WALL
INTERIOR WALL: 2"X4" STUD WALL
RADIANT BARRIER IS REQUIRED
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
MANUFACTURED TRUSSES

SECTION KEY NOTES
1. WALL INSULATION
2. CEILING INSULATION
3. ROOF TRUSS CHOICE INSULATION
4. INTERIOR FINISH 2"X6" STUD WALL
5. EXTERIOR WALL/PLUMBING WALL 2"X6" STUD WALL
6. INTERIOR WALL 2"X4" STUD WALL
7. RADIANT BARRIER REQUIRED
8. CLIMATE ZONE 14 PROJECT (Y or N) if yes, see below
9. 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
10. MANUFACTURED TRUSSES

SECTIONS
1/4" = 1'-0"
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Persons or property, including injury or death, or economic losses, arising out of the use of these construction documents. The use of these plans does not eliminate or reduce the user's responsibility to verify any and all information.

### FOUNDATION PLAN

3/16" = 1'-0"

#### LEGEND
- # = BRAGGED WALL LINE
- Blank = No Additions

#### FOUNDATION PLAN NOTES
1. ALL FOUNDATION PLANS SHALL BE LIDED OVER AND HAVE A MORTAR FINISH OVER A 2" LAYER OF COMMERIAL ROADBASE, 3" THICK, APPLIABLE TO THE AREA.
2. THE BOTTOM PLATE WILL BE LASHED TO THE SILL PLATE WITH ANCHOR BOLTS.
3. PROVIDE A MINIMUM OF TWO ANCHOR BOLTS PER SILL PLATE WITH THE BOLTS LOCATED MINIMUM 10" AND MAXIMUM 18" FROM EACH END OF THE SILL.
4. ALL ANCHOR BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SILL PLATE WIDTH.
5. PROVIDE 8" X 8" X 10" A.B.'S AT 72" O/C FOR PRESSURE PREVENTION TREATMENTS AND PRESSURE TREATED WOOD STRUCTURAL PANEL SHEATHING.
6. RETARDANT TREATED WOOD SHALL BE HOT-DIPPED ZINC COATED FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD STRUCTURAL PANEL SHEATHING.
7. ALL ANCHOR ASSEMBLIES ALLOWED TO BE EMBEDDED WITHIN THE STRUCTURE.

#### WOOD STRUCTURAL PANEL SHEATHING

<table>
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<tr>
<th>PANEL</th>
<th>MINIMUM NAIL SPACING (S)</th>
<th>MINIMUM STUD SPACING (S)</th>
<th>MINIMUM STUD SPACING (N)</th>
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#### DETAIL 1 (NTS)

- CONCRETE SLAB INTO SOUTH AT SERVICE ELEVATION
- FOOTING TO DAYLIGHT
- **CONCRETE SLAB PER FOUNDATION SHEET**
- **NO A.B.S**
- MIDPOINT 12" OVER 4" SAND
- **4" CONCRETE SLAB WITH NO.3 BARS AT 12" O/C**
- **4" DIA X 10" A.B.'S AT 72" O/C**
- **METAL STUCCO SCREED MIN 4" A.F.G.**
- **8" DIA X 10" A.B.'S AT 72" O/C**
- **5" X P.T.D.F. BOTTOM PLATE W/ #4 BOLTS**
- **12" CASING**
- **12" METAL FRAMING**
- **12" M.T. FRAMING**
- **4" CONCRETE SLAB PER FOUNDATION SHEET**

#### DETAIL 2 (NTS)

- **CONCRETE SLAB INTO SOUTH AT SERVICE ELEVATION**
- **FOOTING TO DAYLIGHT**
- **CONCRETE SLAB PER FOUNDATION SHEET**
- **NO A.B.S**
- **MIDPOINT 12" OVER 4" SAND**
- **4" CONCRETE SLAB WITH NO.3 BARS AT 12" O/C**
- **4" DIA X 10" A.B.'S AT 72" O/C**
- **METAL STUCCO SCREED MIN 4" A.F.G.**
- **5" X P.T.D.F. BOTTOM PLATE W/ #4 BOLTS**
- **12" CASING**
- **12" METAL FRAMING**
- **12" M.T. FRAMING**
- **4" CONCRETE SLAB PER FOUNDATION SHEET**
By using these standard plans, the user agrees to release the County of San Diego from any responsibility to verify any and all information. The user agrees to assume all claims, liabilities, suits, and demands on account of any injury, damage, or loss to persons or property, including injury or death, or economic losses, arising out of the use of these construction documents. The use of these plans does not eliminate or reduce the user's responsibility to verify any and all information.

NOTE: ROOF SHEATHING TO BE 2 APA-RATED SHEATHING 240 AT 1/2" O/C EDGE NAILING AND 12" O/C FIELD NAILING. USE EDGE NAILING AT ALL DRAG TRUSSES.

LEGEND

@ BRACED WALL LINE

W O O D S TR U C T U R A L P A N E L S H E A T I N G

<table>
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<tr>
<th>MARK</th>
<th>MINIMUM NAIL</th>
<th>MINIMUM WOOD STRUCTURAL PANEL SPAN</th>
<th>MINIMUM NOMINAL PANEL THICKNESS (in)</th>
<th>MAXIMUM WALL STUD SPACING (in)</th>
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</table>

Wood structural panels shall conform to DOC PS 1, DOC PS 2 or ANSI/NAFHA PS 2020. CSA O457 or CSA O205 panels shall be identified by a grade mark or certificate of inspection issued by an approved agency. Vertical joints of panel sheathing shall occur over and be fastened to common studs. Horizontal joints in braced wall panels shall occur over and be fastened to common blocking of a minimum 1 1/2" thickness.
**A. General**

- Plumbing fixtures per CalGreen 301.1.1 and CalGreen 4.303.1 gases.

- Carry a single header joist located within 3 feet of the trimmer joist bearing. When the building's conditioned area, volume, or size. (CalGreen 101.3, CalGreen 301.1.1)

- Particle board supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous embedded in concrete exposed to weather.

- Naturally durable or preservative-treated wood shall be used in crawl spaces shall be of naturally durable or preservative-treated wood in crawl spaces.

- Batts or blankets of mineral or glass fiber of other approved materials installed in such a thickness of 23/32-inch wood structural panel with joints backed by 23/32-inch I-joist or C-joist.

- Foundation and Underfloor Ventilation. The number, size, and spacing of fasteners connecting wood structural members supporting moisture-permeable floors or roofs exposed to moisture.

- Rafters shall be framed to a ridge board or to each other with minimum 22-inch unobstructed width. (CPC 408.5 and CPC 408.6)

- Shear wall joints. Cripple walls shall be braced per CRC R602.10.11.

- Minimum 2 inches by 2 inches. (CRC R502.10)

- Foundation inspectors shall be at points within upper third and lower third of water heater vertical strips minimum 2 inches by 2 inches. (CRC R502.10)

- Rafters or roof trusses shall be connected to top of wall at studs. (CRC R802.3.1)

- Straps shall be at points within upper third and lower third of water heater vertical strips minimum 2 inches by 2 inches. (CRC R502.10)

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